

Aboveground Storage Tank Facility Plan

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Prepared for:

The University of Texas at Austin

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Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: The University of Texas at Austin, JJ Pickle Research Campus Austin					2. Regulated Entity No.: RN102316197				
3. Customer Name: The University of Texas at Austin					4. Customer No.: CN601097413				
5. Project Type: (Please circle/check one)	New <input checked="" type="checkbox"/>		Modification			Extension		Exception	
6. Plan Type: (Please circle/check one)	WPAP	CZP	SCS	UST	AST <input checked="" type="checkbox"/>	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential		Non-residential <input checked="" type="checkbox"/>			8. Site (acres):		9.49	
9. Application Fee:	\$3,250		10. Permanent BMP(s):				Stormwater detention pond, vegetative filter strips, tank secondary containments.		
11. SCS (Linear Ft.):	N/A		12. AST/UST (No. Tanks):				Five ASTs		
13. County:	Travis		14. Watershed:				Shoal Creek watershed within the Colorado River watershed		

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the “Texas Groundwater Conservation Districts within the EAPP Boundaries” map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	<u>1</u>	—
Region (1 req.)	—	<u>1</u>	—
County(ies)	—	<u>1</u>	—
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Barton Springs/ Edwards Aquifer <u> </u> Hays Trinity <u> </u> Plum Creek	<u> </u> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<u> </u> Austin <u> </u> Buda <u> </u> Dripping Springs <u> </u> Kyle <u> </u> Mountain City <u> </u> San Marcos <u> </u> Wimberley <u> </u> Woodcreek	<u>1</u> <u> </u> Austin <u> </u> Bee Cave <u> </u> Pflugerville <u> </u> Rollingwood <u> </u> Round Rock <u> </u> Sunset Valley <u> </u> West Lake Hills	<u> </u> Austin <u> </u> Cedar Park <u> </u> Florence <u> </u> Georgetown <u> </u> Jerrell <u> </u> Leander <u> </u> Liberty Hill <u> </u> Pflugerville <u> </u> Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Trinity-Glen Rose	<u> </u> Edwards Aquifer Authority	<u> </u> Kinney	<u> </u> EAA <u> </u> Medina	<u> </u> EAA <u> </u> Uvalde
City(ies) Jurisdiction	<u> </u> Castle Hills <u> </u> Fair Oaks Ranch <u> </u> Helotes <u> </u> Hill Country Village <u> </u> Hollywood Park <u> </u> San Antonio (SAWS) <u> </u> Shavano Park	<u> </u> Bulverde <u> </u> Fair Oaks Ranch <u> </u> Garden Ridge <u> </u> New Braunfels <u> </u> Schertz	NA	<u> </u> San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

The University of Texas at Austin / Irezama Anderson

Irezama Anderson

Print Name of Customer/Authorized Agent

[Signature]

11/10/2024

Signature of Customer/Authorized Agent

Date

****FOR TCEQ INTERNAL USE ONLY****

Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

General Information Form (TCEQ-0587)

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: The University of Texas at Austin / Irezama Anderson

Date: 1/10/2024

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: The University of Texas at Austin, JJ Pickle Research Campus Austin

2. County: Travis

3. Stream Basin: Colorado River Basin

4. Groundwater Conservation District (If applicable): N/A

5. Edwards Aquifer Zone:

☐ Recharge Zone

☒ Transition Zone

6. Plan Type:

☐ WPAP

☐ SCS

☐ Modification

☒ AST

☐ UST

☐ Exception Request

7. Customer (Applicant):

Contact Person: Irezama Anderson

Entity: Associate Director for Environmental Operations / The University of Texas at Austin

Mailing Address: P.O. Box 7729

City, State: Austin, Texas

Zip: 78713-7729

Telephone: 512.471.3511

FAX: 512.471.6918

Email Address: nanderson@austin.utexas.edu

8. Agent/Representative (If any):

Contact Person: Janice King

Entity: Consultant / Braun Intertec Corporation

Mailing Address: 2105 Donley Drive, Suite 400

City, State: Austin, Texas

Zip: 78758

Telephone: 512.221.8902

FAX: 512.493.9693

Email Address: JaKing@braunintertec.com

9. Project Location:

- ☒ The project site is located inside the city limits of Austin, Texas.
- ☐ The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.
- ☐ The project site is not located within any city's limits or ETJ.

10. ☒ The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

The project site is located at the Microelectronics and Engineering Research Building at 10100 Harry Ransom Trail in Austin, TX 78758. When traveling north on US Highway 183, turn right onto Burnet Road. Travel north for approximately 0.8 mile and turn left onto Read Granberry Trail. Travel 0.2 mile and turn left onto Harry Ransom Trail. The Microelectronics and Engineering Research Building will be on the right.

11. ☒ **Attachment A – Road Map.** A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.
12. ☒ **Attachment B - USGS / Edwards Recharge Zone Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:
- ☒ Project site boundaries.
 - ☒ USGS Quadrangle Name(s).
 - ☒ Boundaries of the Recharge Zone (and Transition Zone, if applicable).
 - ☒ Drainage path from the project site to the boundary of the Recharge Zone.
13. ☒ **The TCEQ must be able to inspect the project site or the application will be returned.** Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate

the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

☒ Survey staking will be completed by this date: January 17, 2024

14. ☒ **Attachment C – Project Description.** Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

- ☒ Area of the site
- ☒ Offsite areas
- ☒ Impervious cover
- ☒ Permanent BMP(s)
- ☒ Proposed site use
- ☒ Site history
- ☒ Previous development
- ☒ Area(s) to be demolished

15. Existing project site conditions are noted below:

- ☐ Existing commercial site
- ☐ Existing industrial site
- ☐ Existing residential site
- ☒ Existing paved and/or unpaved roads
- ☐ Undeveloped (Cleared)
- ☐ Undeveloped (Undisturbed/Uncleared)
- ☒ Other: Existing research facility

Prohibited Activities

16. ☒ I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding tanks as parts of organized collection systems; and
- (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. ☒ I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

18. The fee for the plan(s) is based on:

- ☐ For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- ☐ For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- ☒ For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
- ☐ A request for an exception to any substantive portion of the regulations related to the protection of water quality.
- ☐ A request for an extension to a previously approved plan.

19. ☒ Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

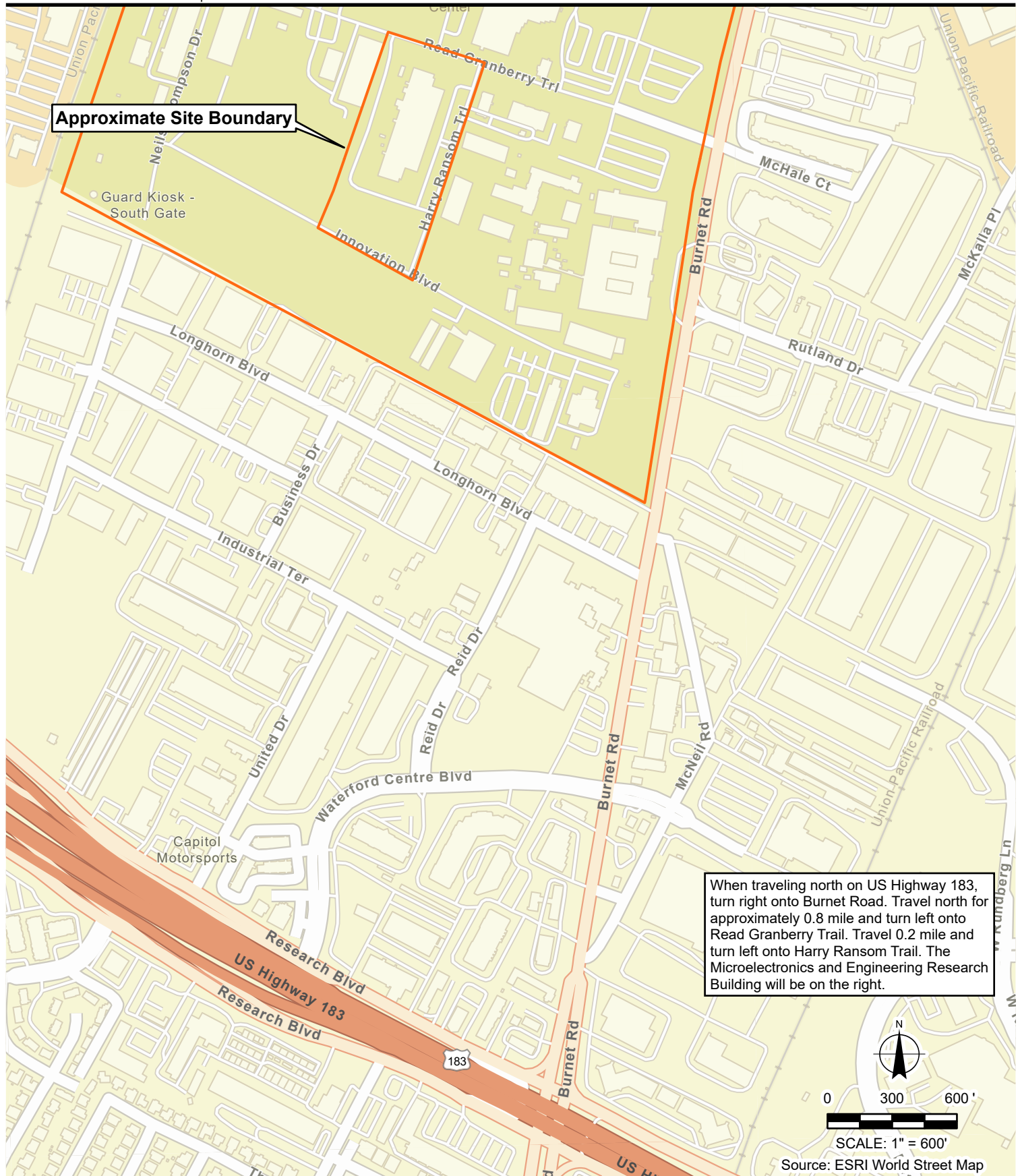
- ☐ TCEQ cashier
- ☒ Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- ☐ San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

20. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

21. ☒ No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.

Attachment A

Road Map



**BRAUN
INTERTEC**
The Science You Build On.

2105 Donley Dr, Suite 400
Austin, TX 78758
512.493.9691
braunintertec.com

Project No:
B2310079

Drawing No:
AttA_RoadMap

Drawn By: SL
Date Drawn: 12/20/2023
Checked By: RD
Last Modified: 1/8/2024

J.J. Pickle Research Campus Edwards Aquifer AST Facility Plan

10100 Harry Ransom Trail

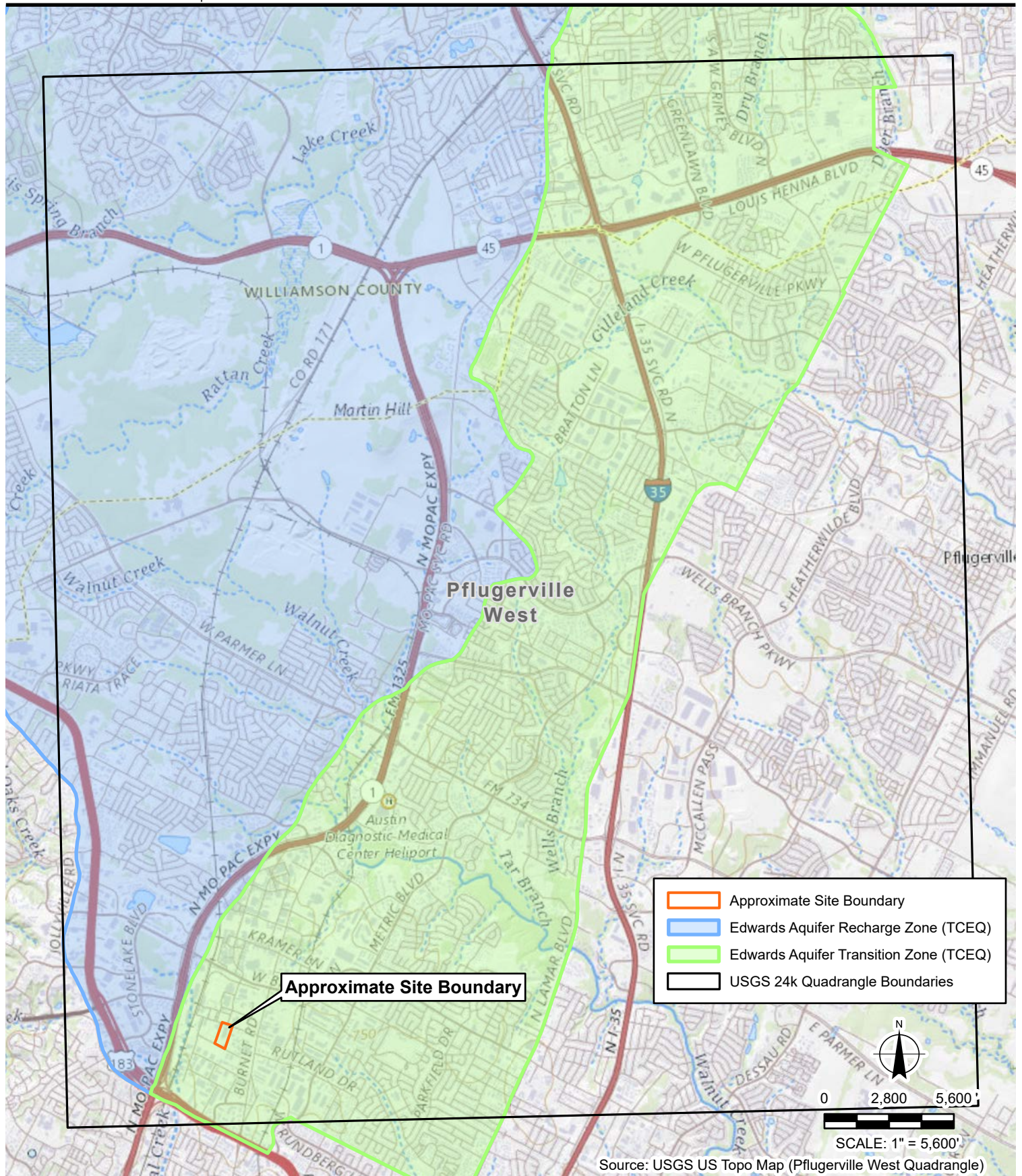
Austin, Texas

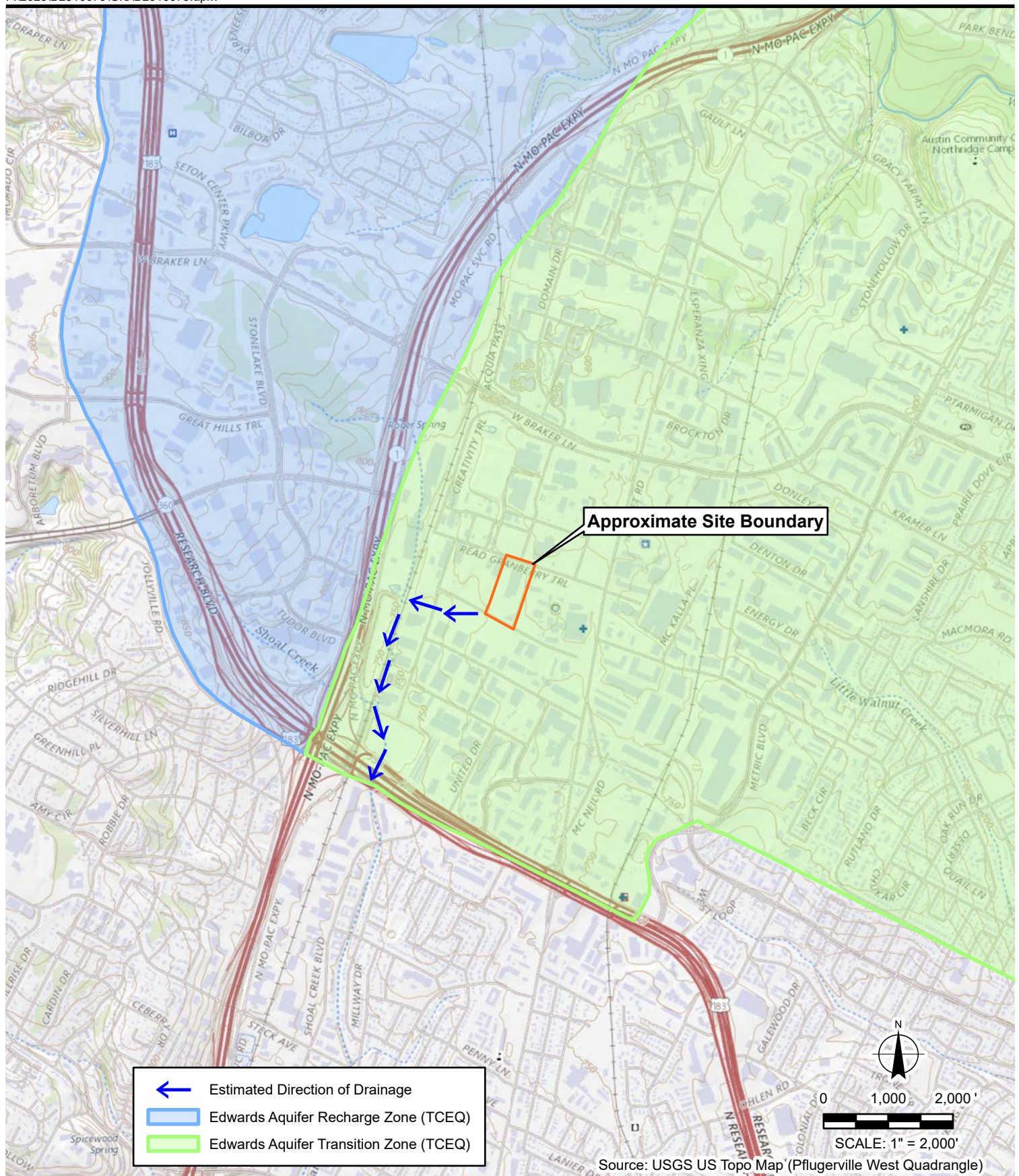
Road Map

Attachment A

Attachment B

USGS / Edwards Recharge Zone Map





**BRAUN
INTERTEC**
The Science You Build On.

2105 Donley Dr, Suite 400
Austin, TX 78758
512.493.9691
braunintertec.com

Project No:
B2310079

Drawing No:
AttB_USGS_Edwards2

Drawn By: SL
Date Drawn: 12/20/2023
Checked By: RD
Last Modified: 1/8/2024

J.J. Pickle Research Campus Edwards Aquifer AST Facility Plan

10100 Harry Ransom Trail

Austin, Texas

**USGS / Edwards
Recharge
Zone Map**

Attachment B

Attachment C

Project Description

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

The project is located on The University of Texas at Austin J.J. Pickle Research Campus at the Microelectronics & Engineering Research Center (MER) at 10100 Harry Ransom Trail in Austin, Texas (Site). Historically, the J.J. Pickle Research Campus was a magnesium plant during World War II. At the conclusion of the war, in 1949, the property was purchased from the federal government by The University of Texas at Austin and named the Off-Campus Research Center. In 1953 the location was renamed the Balcones Research Center. The property has been regularly developed since the time of purchase to include research facilities, a conference center, and infrastructure. The location was renamed in 1994 to the J.J. Pickle Research Campus. The MER was constructed in 1991 and is composed of 157,069 square feet (sq ft) of space dedicated to research.

The MER location has not undergone any significant modification or remodeling since initial construction was complete. The project Site will consist of the main building with clean room laboratories, chemical distribution building, MEP support building, offices, and paved parking areas. The Site encompasses 9.49 acres and all Site activities will be conducted on-Site; no activities will be conducted off-Site. The building is surrounded by impervious cover on the west, south, and east sides of the building with small strips of grass between the building and the parking lot areas. This project has four phases: A-1, A-2, B-1, and B-2.

- Phase A-1 includes procuring semiconductor tools;
- Phase A-2 includes renovating three existing spaces into cleanrooms for some of the tools purchased in Phase A-1 without disturbing outdoor spaces;
- Phase B-1 includes procuring additional semiconductor tools; and
- Phase B-2 includes renovating 13,750 sq ft of lab spaces into cleanrooms; build a MEP Support Building, a Chemical Waste Tank Building (location of regulated ASTs and associated piping), and a Chemical/Gas Storage Building to support the cleanroom spaces; replace existing roof; replace aged HVAC system; provide code-compliant office spaces and restrooms; update existing Fire Alarm System; add a Gas-detection System; and at the North side of MER building add a power supply to a N2 generator and connect the chemical waste piping for the North-MER cleanrooms to the new Chemical Waste Tank System located at the south side of MER building.

There will be indoor and outdoor demolitions. Indoor demolitions will include approximately 14,000 sq ft of interior spaces on the first floor of the south side of MER building, and the outdoor demolitions will include a concrete loading dock and asphalt paving for approximately 12,000 sq ft at the southwest side of the MER building. Additionally, there will be portions of the on-Site road that will be demolished for construction of the new buildings and utility installations.

Permanent best management practices (BMPs) will include a new stormwater detention pond and vegetative filter strips, and secondary containment to be constructed for each aboveground storage tank

(AST). A stormwater detention pond will be constructed at the southwest corner of the property to collect stormwater before discharging to the City of Austin Municipal Separate Storm Sewer System (MS4). The pond is visually inspected by Environmental, Health, and Safety (EHS) personnel twice annually and mowed and/or serviced by landscape services, as needed.

Vegetative filter strips will be installed as temporary BMPs along the west side inside the limits of construction to prevent sediment from leaving the Site. The vegetative filter strips will be retained as permanent BMPs and inspected annually.

Stormwater from the site initially drains to Roger Spring, which discharges to Shoal Creek (within the Shoal Creek watershed), and then onto the Colorado River (the Colorado River watershed). The site is located within the Shoal Creek watershed which is within the Colorado River watershed.

The Chemical Waste Tank Building will house five ASTs:

- A 6,000-gallon tank part of the pH-1 equalization acid waste tank system (9,000-gallons total);
- A 3,000-gallon tank part of the pH-1 equalization acid waste tank system (9,000-gallons total);
- A 150-gallon hydrofluoric acid waste tank;
- A 5,000-gallon solvent waste tank; and
- A 5,000-gallon tunnel acid waste tank.

All ASTs are double-walled and will be stored above their own secondary containment pit that can hold 150 percent of the volume of the tank. In addition, all tanks are located inside a building that can act as tertiary containment. ASTs and their containments will be inspected weekly during the course of normal operations. Any needed maintenance will be performed immediately when identified. Needed repairs will be scheduled immediately in order to maintain operations and environmental compliance. Inspections will be documented and retained on Site.

The final Plan Sheets are included at the end of this application that show construction related to the ASTs. Some pages of the Plan Sheets refer to “future phases”. These “future phases” include construction that is not associated with the ASTs discussed above. Additionally, there are some pages with the word “Temp” or “Temporary” in the sheet name or with a disclaimer box on the side. The term “temporary package” refers to the first part of the project (B-2X and B-2Y cleanrooms) which will need to use temporary infrastructure, including temporary electricity, gases/chemicals, air handling units, etc. to operate B-2X & B-2Y cleanrooms and semiconductor tools. Permanent infrastructure would take more time to install due to necessary internal university processing for contracting, submittal review, approval, etc. Temporary infrastructure does not include outdoor construction.

Geologic Assessment Form (TCEQ-0585)



Geologic Assessment - Edwards Aquifer AST Facility Plan

J.J. Pickle Research Campus
10100 Harry Ransom Trail
Austin, Texas

Prepared for:

The University of Texas at Austin

Project B2310079
January 5, 2024

Braun Intertec Corporation

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Melissa Wann,
P.G.

Telephone: 512-790-7181

Fax: 512-493-9693

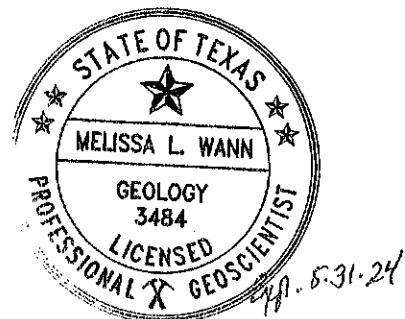
Date: 1/4/2024

Representing: Braun Intertec Corporation, TBPG Registration No. 50151 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Melissa Wann

Regulated Entity Name: The University of Texas at Austin



Project Information

1. Date(s) Geologic Assessment was performed: 12/12/2023

2. Type of Project:

☐ WPAP
☐ SCS

☒ AST
☐ UST

3. Location of Project:

☐ Recharge Zone
☒ Transition Zone
☐ Contributing Zone within the Transition Zone

4. ☒ **Attachment A - Geologic Assessment Table.** Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.
5. ☒ Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
UtD - Urban land, Austin and whitewright soils	D	2.5
UsC - Austin-Urban land complex	D	3

Soil Name	Group*	Thickness(feet)

** Soil Group Definitions (Abbreviated)*

- A. Soils having a high infiltration rate when thoroughly wetted.
- B. Soils having a moderate infiltration rate when thoroughly wetted.
- C. Soils having a slow infiltration rate when thoroughly wetted.
- D. Soils having a very slow infiltration rate when thoroughly wetted.

6. ☒ **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. ☒ **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. ☒ **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1": 400'
 Applicant's Site Plan Scale: 1" = 20'
 Site Geologic Map Scale: 1" = 20'
 Site Soils Map Scale (if more than 1 soil type): 1" = 20'
9. Method of collecting positional data:
☒ Global Positioning System (GPS) technology.

- ☐ Other method(s). Please describe method of data collection: _____
10. ☒ The project site and boundaries are clearly shown and labeled on the Site Geologic Map.
11. ☒ Surface geologic units are shown and labeled on the Site Geologic Map.
12. ☒ Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
- ☐ Geologic or manmade features were not discovered on the project site during the field investigation.
13. ☒ The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
- ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- ☐ The wells are not in use and have been properly abandoned.
- ☐ The wells are not in use and will be properly abandoned.
- ☐ The wells are in use and comply with 16 TAC Chapter 76.
- ☒ There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

15. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

LIST OF ATTACHMENTS

Attachment A Geologic Assessment Table

Attachment B Stratigraphic Column

Attachment C Site Geology & Photographic Log

Attachment D Site Maps

Attachment E Physical Setting Report

Attachment A
Geologic Assessment Table

[illegible]

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date 1/2/2024

Geologic Assessment Table - Attachment 1

GPS Requirements

DATUM: WGS 84

METHOD: GPS Unit - Garmin eTrex 30x

DATE: 12/12/2023

USER: Wesmond Williams

Attachment B
Stratigraphic Column

SYSTEM	GROUP	FORMATION or MEMBER	APPROX. THICKNESS (ft)
UPPER CRETACEOUS	N/A	Austin Chalk (Kau)	Up to 420 ft
		Eagle Ford Group and Buda Limestone undivided, (Keb)	25 to 110 ft

Attachment B
Stratigraphic Column
 J.J. Pickle Research Campus
 Austin, Texas

BRAUN
INTERTEC
 The Science You Build On.

12/13/2023

Braun Project No.: B2310079

Drawn by: WW

Checked by: MW

Revised by:

Attachment C
Site Geology & Photographic Log

ATTACHMENT C - SITE GEOLOGY

The University of Texas Systems Project Area, outlined in green on Attachment D is an approximately 11.1-acre lot located at 10100 Harry Ransom Trail, Austin, Travis County, Texas. The lot consists of a research facility, asphalt-paved parking lot, roadways, drainage features, and a solar panel farm. Site reconnaissance was performed on the entire Project Area lot to evaluate surficial drainage features; however, the Geologic Assessment focused on the regulated activity area where the aboveground storage tanks (ASTs) are planned for construction. Attachment D shows the regulated activity area, an approximately 2.7-acre area (the Site) outlined in red, and the Project Area outlined in green.

Located in north Travis County, the Site is within the Edwards Aquifer Transition Zone and located on the western edge and uplifted portion of the Balcones Fault Zone. The Balcones Fault Zone divides two distinct physiographic provinces: the structurally uplifted Hill Country of the Edwards Plateau to the west and the Blackland Prairie of the Gulf Coast Plain to the east. The uplifted portion of the Balcones Fault Zone contains generally flat-lying beds with normal faulting. Based on a review of the Bureau of Economic Geology (BEG) Geologic Atlas of Texas, Austin Sheet (1974), the nearest mapped fault is located approximately 0.5 mile northwest of the Site.

Site topography slopes to the southwest with elevations ranging from approximately 235 to 238 feet above mean sea level (AMSL). Two primary drainage features were observed at the Site; one along the western Site boundary and one to the south of the proposed construction area. Surface water runoff appears to occur as overland flow with general drainage towards the southwest.

Based on a review of the Bureau of Economic Geology (BEG) Geologic Atlas of Texas, Austin Sheet (1974), the majority of the Site is underlain by the Austin Chalk (Kau), which is underlain by the Eagle Ford Group and Buda Limestone undivided, (Keb), both formations are Upper Cretaceous in age. The Austin Chalk consists of grayish to white chalk and marl with microgranular calcite. The underlying Eagle Ford consists of silty limestone and calcareous shale containing fossils of fish teeth and fish bones while the Buda Limestone consists of poorly bedded to nodular, fine-grained bioclastic limestone.

A field survey of the Site was conducted by Wesmond Williams on December 12, 2023. The field survey included reconnaissance of the entire Project Area (which includes the regulated activity area/Site) to evaluate surficial drainage features. On-foot reconnaissance using approximately 30-foot or smaller transects was performed to evaluate the Site, with particular interest in undeveloped/unpaved areas and drainage areas where bedrock may be exposed or there may be a discreet recharge path.

A pre-reconnaissance review of the United States Geological Survey (USGS) National Water Information System showed a feature, reported as a well (USGS-302308097434401) located on the western portion of the Site. However, during the Site reconnaissance no surficial evidence of the well was observed in the plotted location. In addition, further evaluation of the USGS record lists the site type as “Facility – Pavement Site” and not a groundwater well site. Designation as a Facility – Pavement Site is used for areas where the land surface is covered by asphalt/concrete and environmental measurements at the surface are expected to be influenced by human activities such as pavement runoff; the record indicated no groundwater was analyzed.

Drainage features were observed along the west/southwest and to the south of the Site. A small section of exposed bedrock of the Austin Chalk was observed in the drainage way on the southwestern portion of the Site. However, the majority of the drainage was covered with vegetation or soil and no karst features were observed in the exposed bedrock at the time of the Site reconnaissance.

ATTACHMENT C - SITE GEOLOGY

The following manmade features were observed during Site reconnaissance are assumed to be constructed in bedrock and are listed in the Geologic Assessment Table:

Wastewater lines: Manholes associated with these lines were observed during the Site reconnaissance. The locations of these lines and manholes and proposed wastewater lines and manholes are shown on the **Attachment D Geologic Map** and **Soils Map**. It is conservatively assumed that the existing lines are, and the proposed lines will be constructed in bedrock. No surficial evidence of solution cavities or depressions were observed along the existing wastewater lines to indicate the presence of karst features; therefore, the infiltration rate is considered to be low, and they are not considered sensitive features. It assumed that the existing wastewater lines were backfilled with sand and/or gravel materials as “infill.”

No other manmade features, natural features, or documented sensitive features were observed in the area during the field reconnaissance.



Photo 1: View of south Site boundary, viewed facing northwest.



Photo 2: View of west Site boundary, showing drainage feature viewed facing southwest.

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INTERTEC

Attachment C
Photographic Log

J.J. Pickle Research Campus
Austin, Texas

12/12/2023

Geologic Assessment

Project No. B2310079



Photo 3: View of drainage way on the southwestern portion of Site, viewed facing northeast.



Photo 4: View of exposed bedrock in drainage way on the southwestern portion of Site, viewed facing northeast.

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Attachment C
Photographic Log

J.J. Pickle Research Campus
Austin, Texas

12/12/2023

Geologic Assessment

Project No. B2310079



Photo 5: View of staging area on southwestern portion of Site, viewed facing west.



Photo 6: View of paved parking area on southern portion of Site, viewed facing southwest.

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Attachment C
Photographic Log

J.J. Pickle Research Campus
Austin, Texas

12/12/2023

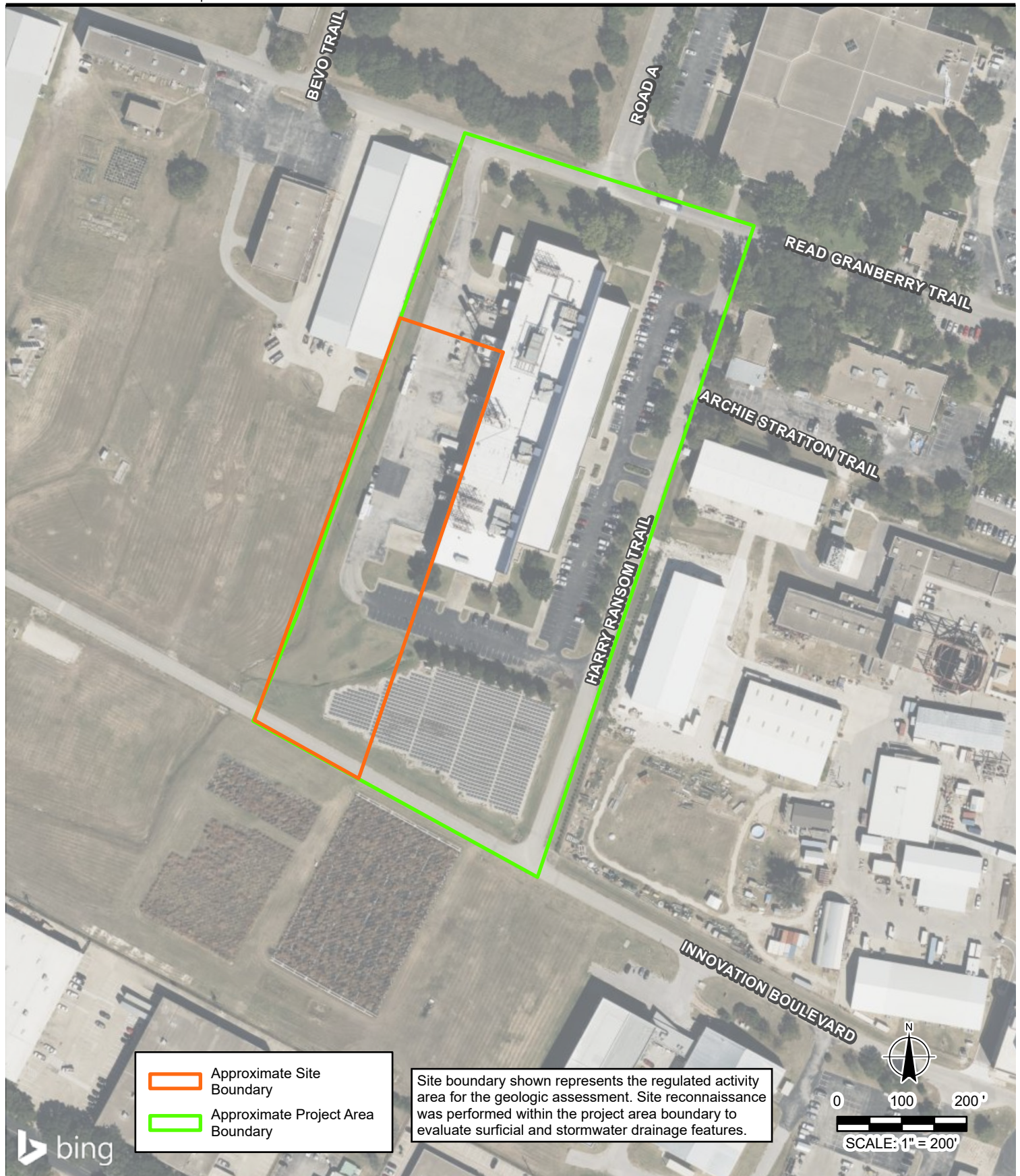
Geologic Assessment

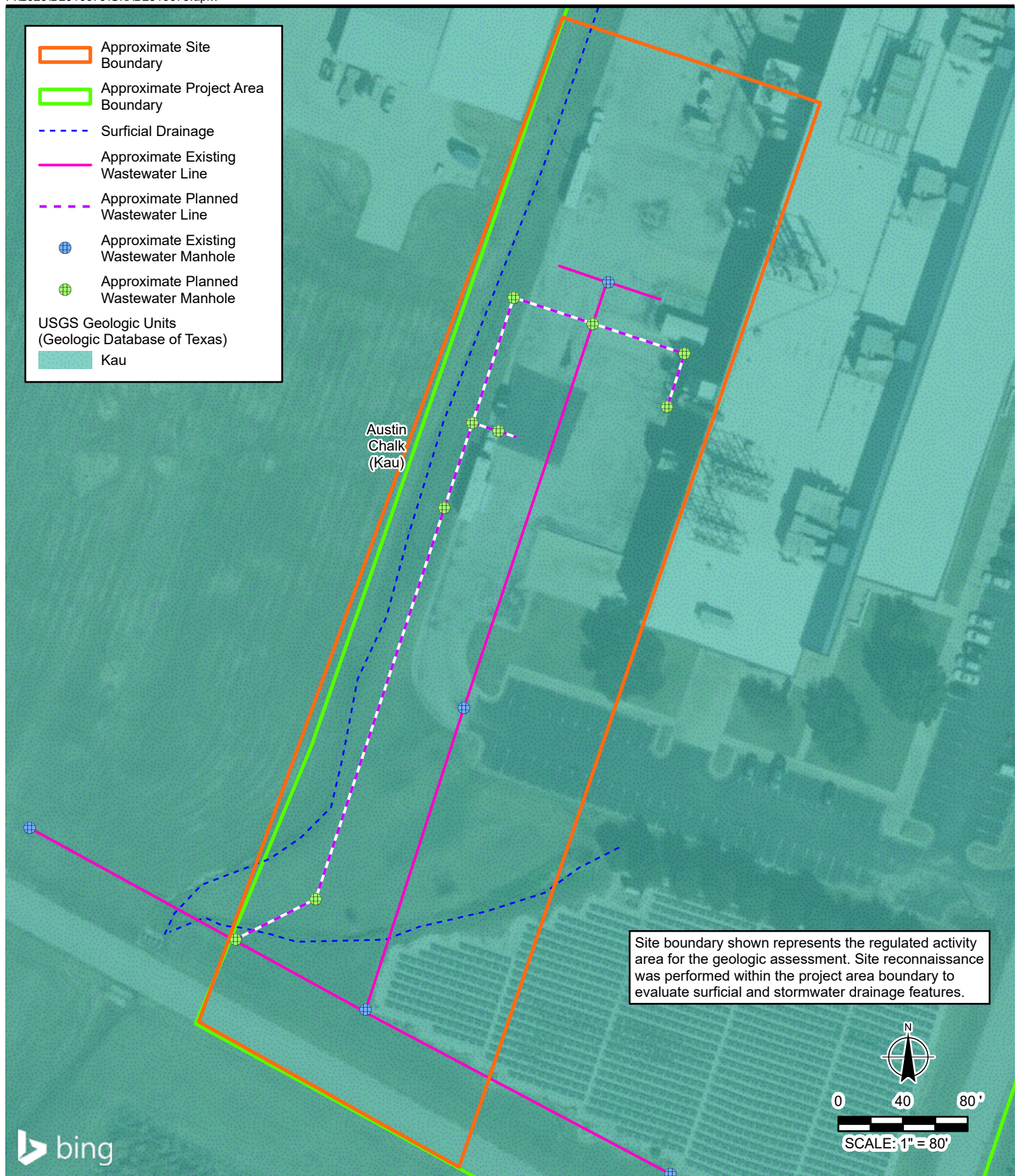
Project No. B2310079



Photo 8: View of portion of solar farm on southern portion of Site, viewed facing northwest.

Attachment D
Site Maps





Drawing Information

Project No:
B2310079
Drawing No:
ATD-2_Geo_Poster

Drawn By: SL
Drawn Date: 1/2/2024
Checked By: MW
Last Modified: 1/4/2024

Project Information

J.J. Pickle
Research Campus
Edwards Aquifer
AST Facility Plan

10100 Harry
Ransom Trail

Austin, Texas

Geologic Maps

Site boundary shown represents the regulated activity area for the geologic assessment. Site reconnaissance was performed within the project area boundary to evaluate surficial and stormwater drainage features.

Approximate Site Boundary

Approximate Project Area Boundary

Approximate Existing Wastewater Manhole

Approximate Planned Wastewater Manhole

Approximate Existing Wastewater Line

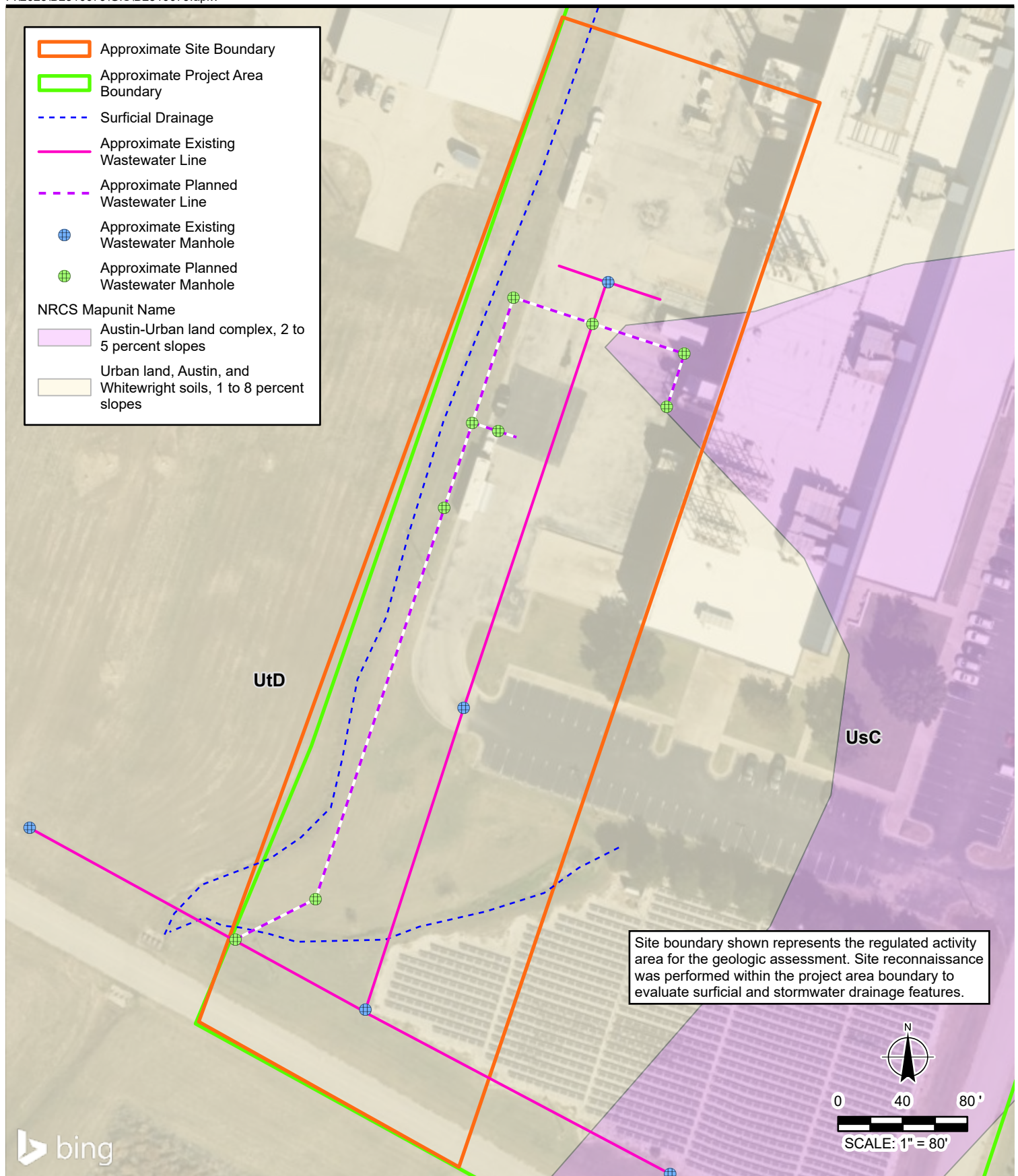
Approximate Planned Wastewater Line

USGS Geologic Units
(Geologic Database of Texas)

Kau

01020Feet

Austin
Chalk
(Kau)



Drawing Information

Project No:
B2310073

Drawing No:
A1D-4_Soil_Poster

Drawn By: SL
Drawn Date: 1/2/2024
Checked By: MW
Last Modified: 1/4/2024

Project Information

J.J. Pickle
Research Campus
Edwards Aquifer
AST Facility Plan

10100 Harry
Ransom Trail

Austin, Texas

Soil Map

Attachment D-4

Site boundary shown represents the regulated activity area for the geologic assessment. Site reconnaissance was performed within the project area boundary to evaluate surficial and stormwater drainage features.

Approximate Site Boundary

Approximate Project Area Boundary

Surficial Drainage

Approximate Existing Wastewater Line

Approximate Planned Wastewater Line

Approximate Existing Wastewater Manhole

Approximate Planned Wastewater Manhole

NRCS Mapunit Name

Austin-Urban land complex, 2 to 5 percent slopes

Urban land, Austin, and Whitewright soils, 1 to 5 percent slopes

0 10 20

Feet

U1D

U5C

F:\023182310073\GIS\B2310073.aprx

Attachment E
Physical Setting Report



Property Information

Order Number:	23120600473p
Date Completed:	December 7, 2023
Project Number:	B2310079
Project Property:	Edwards Aquifer AST Facility Plan JJ Pickle Research Campus Austin TX
Coordinates:	
Latitude:	30.3855636
Longitude:	-97.72828652
UTM Northing:	3362196.11082 Meters
UTM Easting:	622181.846931 Meters
UTM Zone:	UTM Zone 14R
Elevation:	779.48 ft
Slope Direction:	WSW

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Hydrologic Information.....	4
Geologic Information.....	7
Soil Information.....	9
Pipeline and Survey Map.....	15
Wells and Additional Sources.....	17
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Detail Report.....	26
Radon Information.....	314
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The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2019)

0 0.2 0.4 0.8 Miles



Quadrangle(s): Pflugerville West, TX; Austin East, TX

Source: USGS 7.5 Minute Topographic Map

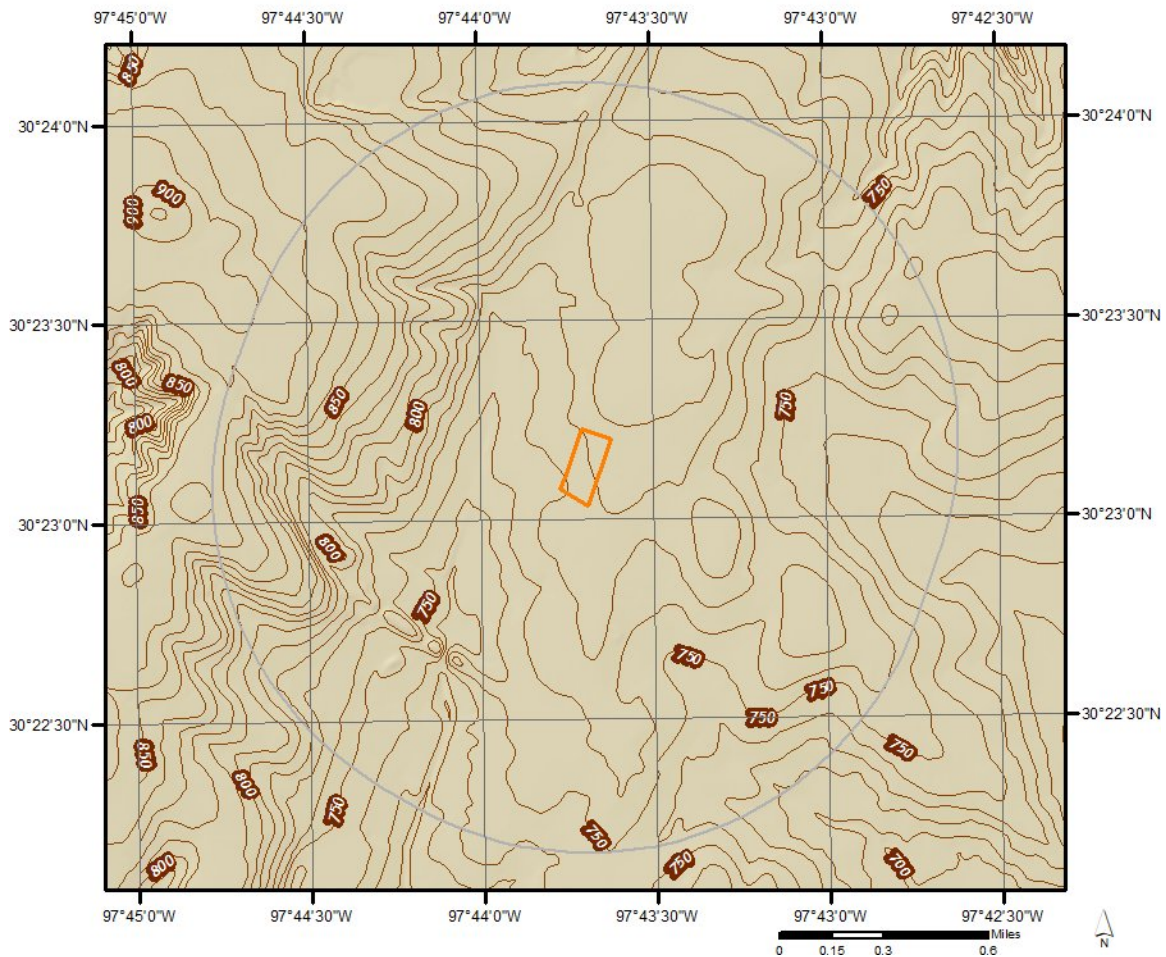


Topographic Information

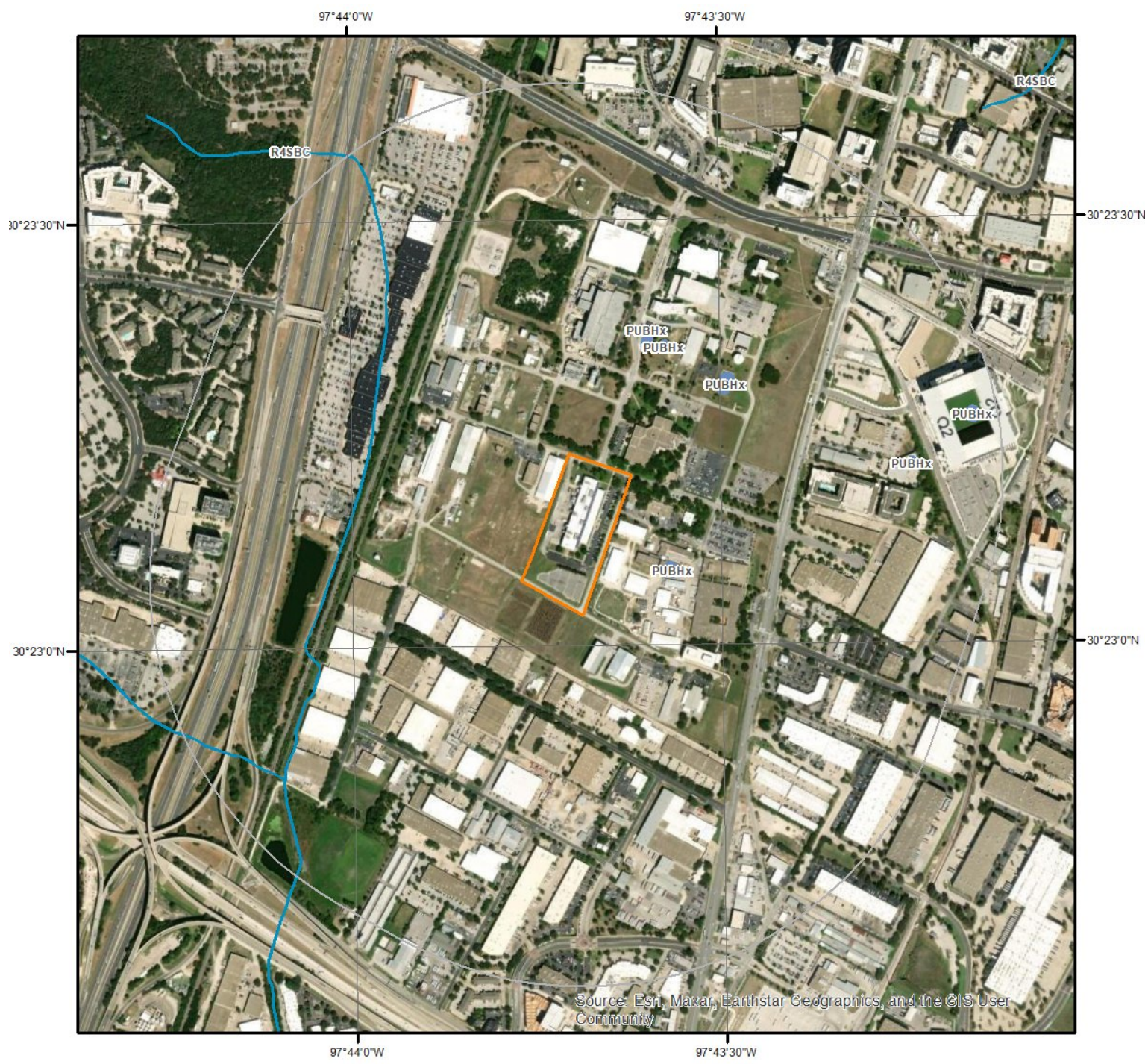
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

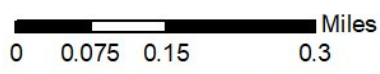
Elevation: 779.48 ft
Slope Direction: WSW



Hydrologic Information



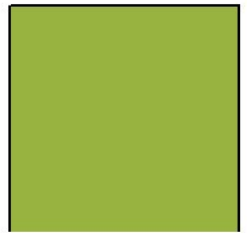
Wetland



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

-  1% Annual Chance Flood Hazard

 Regulatory Floodway

 Special Floodway

 Area of Undetermined Flood Hazard
-  0.2% Annual Chance Flood Hazard

 Future Conditions 1% Annual Chance Flood Hazard

 Area with Reduced Risk Due to Levee

 Area with Risk Due to Levee

 Open Water

Quadrangle(s): Pflugerville West,TX;
Austin East,TX



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area:	48453C0455J(effective:2016-01-06) 48453C0265K(effective:2016-01-06) 48491C0650E(effective:2008-09-26)
--------------------------------	--

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

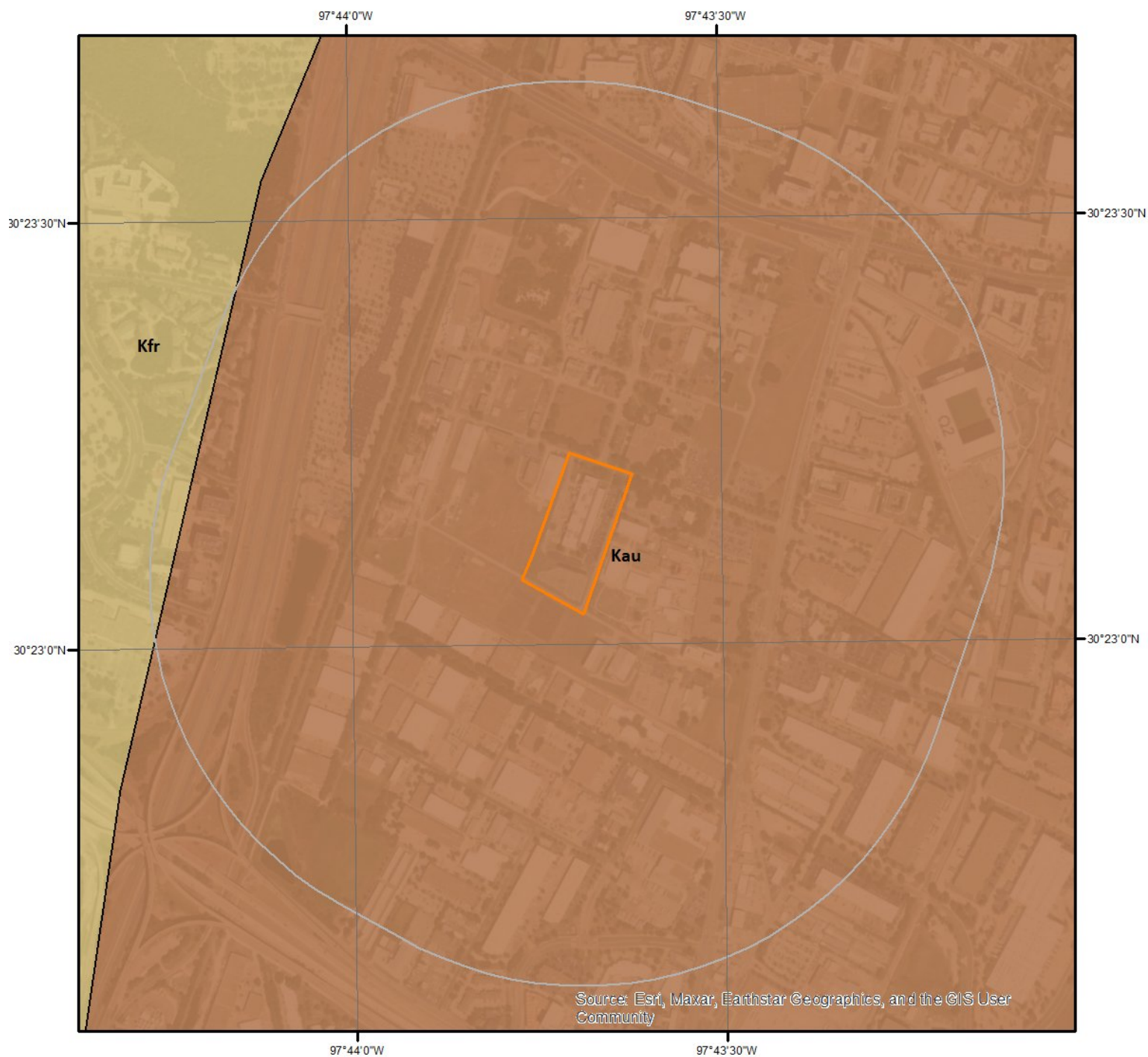
Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Kau

Unit Name:	Austin Chalk
Unit Age:	Phanerozoic Mesozoic Cretaceous-Late [Gulfian]
Primary Rock Type:	limestone
Secondary Rock Type:	mudstone
Unit Description:	Austin Chalk

Geologic Unit Kfr

Unit Name:	Fredericksburg Group
Unit Age:	Phanerozoic Mesozoic Cretaceous-Early [Comanchean]
Primary Rock Type:	limestone
Secondary Rock Type:	mudstone
Unit Description:	Fredericksburg Group

Soil Information



SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit AsB (0.27%)

Map Unit Name:	Austin silty clay, 1 to 3 percent slopes
Bedrock Depth - Min:	74cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Austin(90%)

horizon Ap(0cm to 41cm)	Silty clay
horizon Bw(41cm to 56cm)	Silty clay
horizon Bk(56cm to 74cm)	Silty clay
horizon Cr(74cm to 144cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: AsB - Austin silty clay, 1 to 3 percent slopes

Component: Austin (90%)

The Austin component makes up 90 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from chalk. Depth to a root restrictive layer, bedrock, paralithic, is 22 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 80 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Houston Black (10%)

Generated brief soil descriptions are created for major soil components. The Houston Black soil is a minor component.

Map Unit HsD (10.26%)

Map Unit Name:	Houston Black soils and Urban land, 0 to 8 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Houston Black(56%)

horizon H1(0cm to 20cm)	Clay
horizon H2(20cm to 76cm)	Clay
horizon H3(76cm to 203cm)	Clay

Urban land(30%)

horizon H1(0cm to 102cm)	Variable
--------------------------	----------

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: HsD - Houston Black soils and Urban land, 0 to 8 percent slopes

Component: Houston Black (56%)

The Houston Black component makes up 56 percent of the map unit. Slopes are 0 to 8 percent. This component is on linear gilgai on ridges on dissected plains. The parent material consists of residuum weathered from calcareous shale of Taylor Marl and Eagleford Shale. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is very high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY011TX Southern Blackland ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Urban land (30%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Unnamed (14%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit SbA (6.87%)

Map Unit Name: San Saba soils and Urban land, 0 to 2 percent slopes

Bedrock Depth - Min: 97cm

Watertable Depth - Annual Min:

Drainage Class - Dominant: Moderately well drained

Hydrologic Group - Dominant: D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

San Saba(60%)

horizon A(0cm to 56cm)	Clay
horizon Bss(56cm to 97cm)	Clay
horizon R(97cm to 132cm)	Bedrock

Urban land(25%)

horizon M(0cm to 25cm)	Material
------------------------	----------

Component Description:

Minor map unit components are excluded from this report.

Map Unit: SbA - San Saba soils and Urban land, 0 to 2 percent slopes

Component: San Saba (60%)

The San Saba component makes up 60 percent of the map unit. Slopes are 0 to 2 percent. This component is on ridges on dissected plateaus. The parent material consists of calcareous clayey slope alluvium and/or residuum weathered from limestone and/or marl over hard residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 24 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is very high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R081CY358TX Deep Redland 29-35 Pz ecological site. Nonirrigated land capability classification is 3s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 10 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Urban land (25%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Volente (5%)

Generated brief soil descriptions are created for major soil components. The Volente soil is a minor component.

Component: Speck (5%)

Generated brief soil descriptions are created for major soil components. The Speck soil is a minor component.

Component: Eckrant (5%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Eckrant soil is a minor component.

Map Unit TaD (2.72%)

Map Unit Name:	Eckrant very stony clay, 5 to 18 percent slopes
Bedrock Depth - Min:	20cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Eckrant(90%)	
horizon A1(0cm to 13cm)	Very stony clay
horizon A2(13cm to 20cm)	Extremely flaggy clay
horizon R(20cm to 76cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: TaD - Eckrant very stony clay, 5 to 18 percent slopes

Component: Eckrant (90%)

The Eckrant component makes up 90 percent of the map unit. Slopes are 5 to 18 percent. This component is on ridges on dissected plateaus. The parent material consists of residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 6 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 5 percent. This component is in the R081CY360TX Low Stony Hill 29-35 Pz ecological site. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 25 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Brackett (5%)

Generated brief soil descriptions are created for major soil components. The Brackett soil is a minor component.

Component: Rock outcrop (5%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit UsC (68.86%)

Map Unit Name:	Austin-Urban land complex, 2 to 5 percent slopes
Bedrock Depth - Min:	74cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Austin(55%)	
horizon Ap(0cm to 41cm)	Silty clay
horizon Bw(41cm to 56cm)	Silty clay
horizon Bk(56cm to 74cm)	Silty clay
horizon Cr(74cm to 144cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: UsC - Austin-Urban land complex, 2 to 5 percent slopes

Component: Austin (55%)

The Austin component makes up 55 percent of the map unit. Slopes are 2 to 5 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from Austin chalk formation. Depth to a root restrictive layer, bedrock, paralithic, is 22 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 80 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Urban land (40%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Whitewright (5%)

Generated brief soil descriptions are created for major soil components. The Whitewright soil is a minor component.

Map Unit UtD (9.19%)

Map Unit Name:	Urban land, Austin, and Whitewright soils, 1 to 8 percent slopes
Bedrock Depth - Min:	36cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Urban land(40%)

horizon H1(0cm to 102cm)	Variable
--------------------------	----------

Austin(30%)

horizon H1(0cm to 38cm)	Silty clay
horizon H2(38cm to 91cm)	Silty clay
horizon H3(91cm to 132cm)	Bedrock

Whitewright(25%)

horizon H1(0cm to 15cm)	Clay loam
horizon H2(15cm to 36cm)	Clay loam
horizon H3(36cm to 122cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: UtD - Urban land, Austin, and Whitewright soils, 1 to 8 percent slopes

Component: Urban land (40%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Austin (30%)

The Austin component makes up 30 percent of the map unit. Slopes are 1 to 8 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from chalk. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 55 percent.

Component: Whitewright (25%)

The Whitewright component makes up 25 percent of the map unit. Slopes are 1 to 8 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from Austin chalk formation. Depth to a root restrictive layer, bedrock, paralithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is

Soil Information

moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 55 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Unnamed (5%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit UuE (1.84%)

Map Unit Name:	Urban land and Brackett soils, 1 to 12 percent slopes
Bedrock Depth - Min:	46cm
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Urban land(40%)	
horizon M(0cm to 25cm)	Cemented material
Brackett(35%)	
horizon A(0cm to 15cm)	Gravelly clay loam
horizon Bw(15cm to 46cm)	Clay loam
horizon Cr(46cm to 152cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: UuE - Urban land and Brackett soils, 1 to 12 percent slopes

Component: Urban land (40%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Brackett (35%)

The Brackett component makes up 35 percent of the map unit. Slopes are 1 to 12 percent. This component is on stair stepped ridges on dissected plateaus. The parent material consists of residuum weathered from limestone. Depth to a root restrictive layer, bedrock, paralithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R081CY355TX Adobe 29-35 Pz ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 65 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Eckrant (14%)

Generated brief soil descriptions are created for major soil components. The Eckrant soil is a minor component.

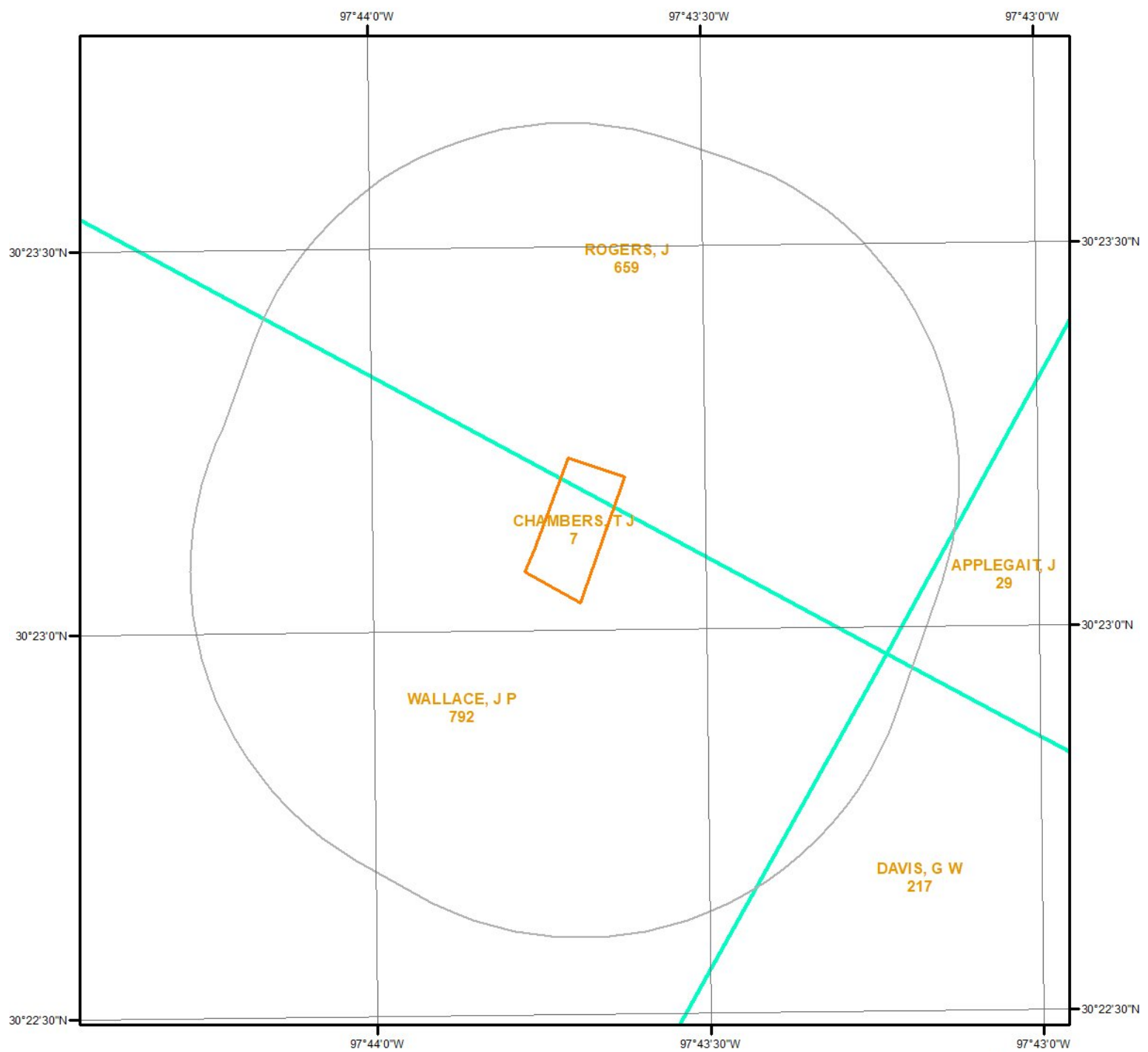
Component: Rock outcrop (8%)

Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Travis (3%)

Generated brief soil descriptions are created for major soil components. The Travis soil is a minor component.

Pipeline and Survey Information



Survey & Pipeline Map

This maps shows Survey & Pipeline around the target property. Please refer to the report for detailed descriptions.

Legend

- Pipeline
- Survey

0 0.2 0.4 Miles

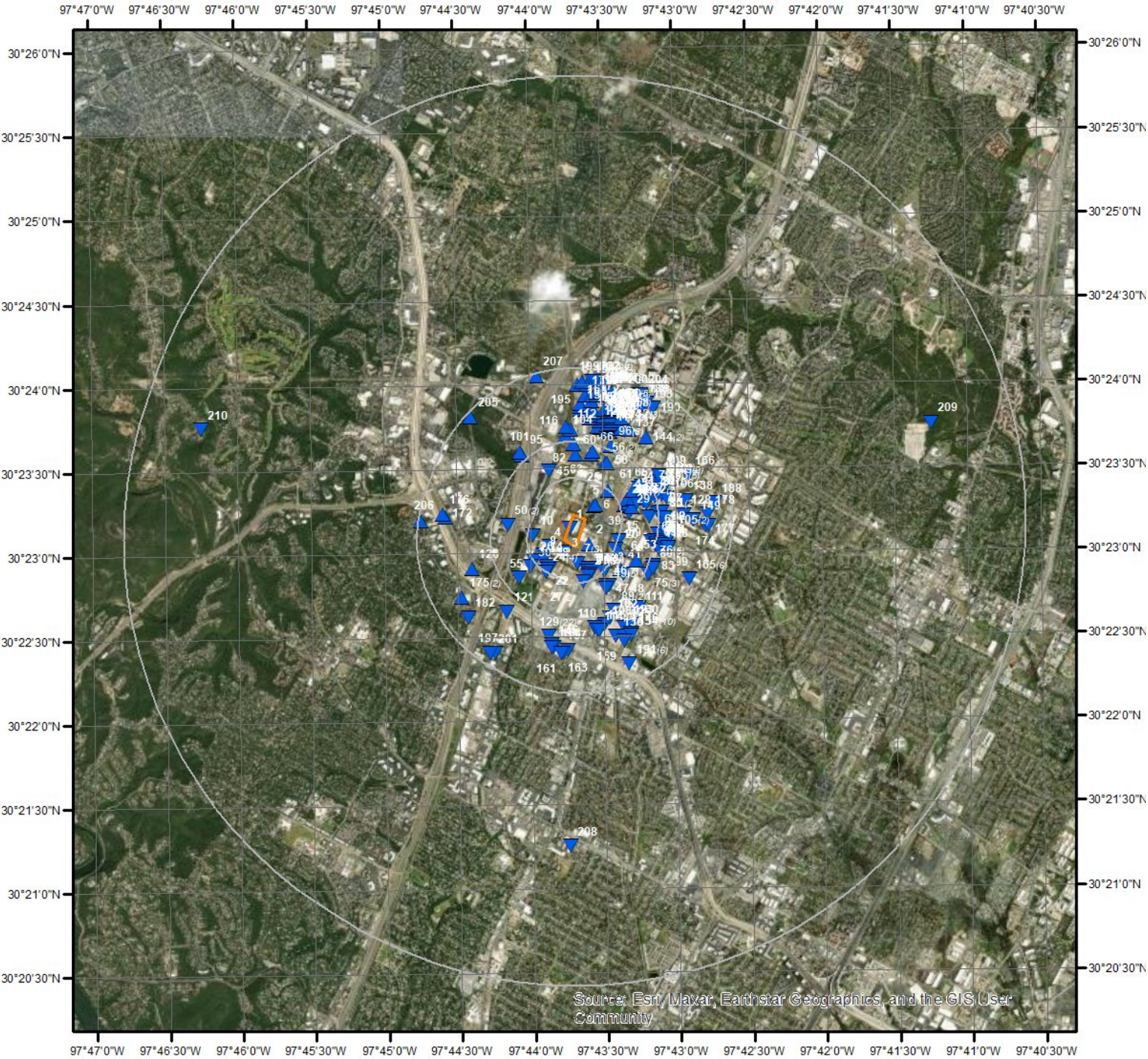


Pipeline and Survey Detail Report

The previous page shows a pipeline and survey map. Detailed information about each unit is provided below.

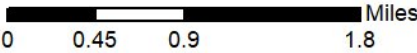
No pipeline records found for the project property or surrounding properties.

Wells and Additional Sources



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Wells & Additional Sources



- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- ▲ OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- ▼ OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
21	TX2270263	1143.88	SSE
21	TX2270267	1143.88	SSE
21	TX2270189	1143.88	SSE
21	TX2270265	1143.88	SSE
21	TX2270230	1143.88	SSE
21	TX2270319	1143.88	SSE
50	TX0260050	2071.49	W
50	TX0260049	2071.49	W
53	TX2270046	2221.35	ESE
175	TX2270295	4200.55	WSW
175	TX2270228	4200.55	WSW

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
21	TX2270189	1143.88	SSE
21	TX2270267	1143.88	SSE

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
1	USGS-302308097434401	0.00	-
5	USGS-302316097430401	557.21	NE
25	USGS-302322097432801	1297.56	NE
101	USGS-302336097440401	2953.56	NW
137	USGS-08155595	3581.96	NNE
176	USGS-302314097443601	4448.00	W

Wells from NWIS

Map Key	ID	Distance (ft)	Direction
No records found			

State Sources

Fort Bend Subsidence District Water Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Groundwater Database

Map Key	Owner Name	Distance (ft)	Direction
2	Balcones Research Cntr Univ. of Texas	417.48	SE

Wells and Additional Sources Summary

2	5835709	417.48	SE
6	Balcones Research Center	630.09	NE
6	5835701	630.09	NE
60	Balcones Research Center	2170.54	N
60	5835721	2170.54	N
95	University of Texas Roger Spring	2820.10	NW
95	5835718	2820.10	NW
121	5835704	3314.54	SW
121	George Shafer	3314.54	SW
172	5835719	4341.88	W
172	Beal Stone	4341.88	W
182	George Shafet	4453.99	SW
182	5835714	4453.99	SW
206	Mrs. Tom Williams	5188.24	W
206	5835702	5188.24	W

Harris Galveston Subsidence District Water Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

High Plains Water Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Plotted Water Wells

Map Key	WWD ID	Distance (ft)	Direction
116	892996	3185.27	N
208	945094	10826.68	S
209	1013913	12900.83	ENE
210	852170	13638.49	WNW

Plugged Water Wells

Map Key	Well Rpt Track No	Distance (ft)	Direction
3		388.13	SSW
4		560.19	SW
8		946.04	SW
10		1114.52	W
11		1001.36	SSE
12		1089.15	SSW
13		1038.27	SSE
13		1038.27	SSE
13		1038.27	SSE
16		1081.16	SSE
19		1129.12	SSE
23		1361.33	SE
24		1351.71	SW
24		1351.71	SW

Wells and Additional Sources Summary

24		1351.71	SW
26		1348.15	SW
30		1540.27	SW
45		1773.23	NNW
46	75187	1795.59	SSE
46		1795.59	SSE
46	75186	1795.59	SSE
46	75188	1795.59	SSE
47		1850.01	SSE
49		1877.01	SSE
55		2135.02	SW
56		2145.84	NNE
56		2145.84	NNE
58		2177.19	NNE
63		2261.91	NNE
66		2384.49	NNE
68		2652.68	E
71		2502.33	ENE
75		2772.84	ESE
75		2772.84	ESE
75		2772.84	ESE
77		2644.54	ENE
78		2852.57	ESE
79	362818	2597.12	ENE
82		2571.48	N
85		2743.72	E
86		2891.05	E
88	362816	2691.91	ENE
90		2890.05	E
91		2831.36	E
91		2831.36	E
94		3009.92	E
99		3149.27	E
100	362819	2883.69	ENE
103	362815	2923.06	ENE
103	362813	2923.06	ENE
104		2883.20	N
105		3115.88	E
106	362822	3002.58	ENE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
108		3013.50	SSE
113	362821	3159.52	ENE
114		3132.89	SSE
114		3132.89	SSE
117		3252.81	NNE
117		3252.81	NNE
118		3283.34	NNE
119		3294.62	NNE
122		3305.28	NNE
124		3405.81	NNE
124		3405.81	NNE
127		3443.80	NNE
128		3532.93	E
131		3466.37	NNE
132		3498.17	NNE
132		3498.17	NNE
132		3498.17	NNE
133		3523.45	NNE
135		3540.05	N
138		3669.24	ENE

Wells and Additional Sources Summary

139		3645.64	NNE
140		3663.19	NNE
141		3639.48	N
142		3672.68	NNE
144	271537	3672.58	NE
145		3668.40	SSW
148		3758.69	NNE
149		3883.16	E
150		3754.81	N
151		3772.95	N
152		3804.23	NNE
153		3745.70	S
154	194171	3794.36	SSE
154		3794.36	SSE
154		3794.36	SSE
154		3794.36	SSE
154		3794.36	SSE
154	194174	3794.36	SSE
154	194188	3794.36	SSE
154		3794.36	SSE
154	194178	3794.36	SSE
155		3766.30	S
156		3794.89	N
156		3794.89	N
157		3764.77	S
158		3874.34	NNE
160		3895.68	N
161		3883.62	S
162		3958.70	NNE
162		3958.70	NNE
163		3895.61	S
164		3960.90	NNE
165	83602	4240.69	ESE
165	83601	4240.69	ESE
165	83600	4240.69	ESE
166		4003.75	ENE
167		4016.07	NNE
168		3996.48	N
169		4044.82	NNE
170		4073.58	NNE
173		4152.10	N
174		4330.44	E
177		4417.87	E
178		4408.43	E
179		4314.27	N
180		4350.87	N
181		4383.89	N
183		4482.83	N
184		4521.60	N
186		4566.84	NNE
187		4618.20	NNE
187		4618.20	NNE
187		4618.20	NNE
189		4616.20	NNE
190		4653.58	NNE
191	174511	4651.92	SSE
191	174512	4651.92	SSE
191	175025	4651.92	SSE
192		4680.61	N
192		4680.61	N
193		4696.26	NNE
194		4717.77	N
195		4697.36	N
196		4725.96	N
198		4745.62	NNE
199		4808.83	N

Wells and Additional Sources Summary

200	4853.70	NNE
202	4849.45	N
204	4889.66	NNE
207	5156.68	NNW

Public Water Systems Wells and Surface Intakes

Map Key	ID	Distance (ft)	Direction
No records found			

Select Wells from SDR

Map Key	ID	Distance (ft)	Direction
No records found			

Submitted Drillers Report Database

Map Key	Well Rpt Track No	Distance (ft)	Direction
7	45263	621.58	S
7	45262	621.58	S
7	45260	621.58	S
9	45921	949.50	SSE
11	45920	1001.36	SSE
14	45918	1079.56	SW
15	310309	1372.52	ESE
17	310308	1392.55	ESE
18	45416	1133.25	SW
19	45919	1129.12	SSE
20	310310	1475.04	ESE
22	45415	1220.27	SW
24	45414	1351.71	SW
27	603758	1307.62	S
27	603788	1307.62	S
28	578197	1503.53	ENE
29	567389	1596.72	ENE
31	559274	1573.40	ENE
32	559263	1581.42	ENE
33	559268	1584.92	ENE
34	559273	1584.88	ENE
35	559258	1591.34	ENE
36	559267	1596.48	ENE
37	559265	1604.81	ENE
38	578194	1610.98	ENE
39	503965	1616.32	ENE
40	507159	1618.55	ENE
40	507150	1618.55	ENE
40	507154	1618.55	ENE
40	507138	1618.55	ENE
41	294061	1810.95	SE
42	578202	1661.44	ENE
43	581142	1666.08	ENE
44	578200	1743.25	ENE
46	75186	1795.59	SSE
46	75188	1795.59	SSE
46	75187	1795.59	SSE
48	294060	1985.54	SE
49	327445	1877.01	SSE
49	327416	1877.01	SSE
49	327413	1877.01	SSE
49	327444	1877.01	SSE

Wells and Additional Sources Summary

51	633569	1897.00	ENE
52	616905	1945.26	ENE
54	495285	1989.27	NE
57	499582	2179.91	ENE
59	499585	2282.31	E
61	495282	2185.16	ENE
62	439891	2249.25	ENE
62	439892	2249.25	ENE
64	589697	2510.12	E
65	495284	2309.47	ENE
67	598659	2621.38	E
69	598662	2731.58	ESE
70	589571	2731.77	E
72	589496	2718.43	E
73	589680	2785.74	ESE
74	598665	2776.65	E
76	45405	2833.84	ESE
76	45411	2833.84	ESE
76	45410	2833.84	ESE
76	45408	2833.84	ESE
76	45409	2833.84	ESE
79	366389	2597.12	ENE
79	362818	2597.12	ENE
80	45404	2867.89	ESE
80	45403	2867.89	ESE
81	499583	2621.64	ENE
83	578289	2898.14	ESE
84	578286	2878.86	E
87	499588	2748.78	E
88	362816	2691.91	ENE
89	58167	2699.66	SSE
89	58160	2699.66	SSE
92	525431	2909.53	E
93	525430	2983.31	E
97	366388	2859.63	ENE
98	578280	3148.40	E
100	362819	2883.69	ENE
102	468520	2872.84	SSE
103	366396	2923.06	ENE
103	362815	2923.06	ENE
103	362813	2923.06	ENE
105	544827	3115.88	E
106	362822	3002.58	ENE
107	418118	3007.41	ENE
107	418122	3007.41	ENE
107	418123	3007.41	ENE
107	418115	3007.41	ENE
109	283930	3056.88	ENE
110	176063	3014.63	SSE
111	6096	3155.73	SE
111	6100	3155.73	SE
111	6097	3155.73	SE
111	6098	3155.73	SE
111	6099	3155.73	SE
112	352836	3076.79	N
113	362821	3159.52	ENE
115	137956	3154.68	SSE
115	137957	3154.68	SSE
120	352835	3319.65	NNE
123	58173	3358.47	SSE
125	58210	3399.77	SSE
129	126522	3401.26	SSW
129	131277	3401.26	SSW
129	126523	3401.26	SSW
129	126530	3401.26	SSW
129	126543	3401.26	SSW

Wells and Additional Sources Summary

129	126521	3401.26	SSW
129	126544	3401.26	SSW
129	126531	3401.26	SSW
129	126528	3401.26	SSW
129	126536	3401.26	SSW
129	126539	3401.26	SSW
129	131280	3401.26	SSW
129	131278	3401.26	SSW
129	126518	3401.26	SSW
129	126529	3401.26	SSW
129	126541	3401.26	SSW
129	126542	3401.26	SSW
129	126538	3401.26	SSW
129	126526	3401.26	SSW
129	131279	3401.26	SSW
129	131274	3401.26	SSW
129	126524	3401.26	SSW
130	58171	3455.01	SSE
134	352834	3538.94	NNE
136	468521	3553.67	SSE
143	194171	3665.18	SSE
144	271537	3672.58	NE
146	194178	3708.23	SSE
147	414976	3726.20	NNE
147	414975	3726.20	NNE
147	414977	3726.20	NNE
148	352833	3758.69	NNE
154	194188	3794.36	SSE
159	194174	3845.42	SSE
165	83601	4240.69	ESE
165	83602	4240.69	ESE
165	83600	4240.69	ESE
171	425350	4084.13	NNE
171	425345	4084.13	NNE
171	425347	4084.13	NNE
171	425349	4084.13	NNE
171	425343	4084.13	NNE
185	111654	4547.32	N
185	111673	4547.32	N
185	111656	4547.32	N
185	111671	4547.32	N
185	111657	4547.32	N
185	135795	4547.32	N
185	111670	4547.32	N
185	111655	4547.32	N
185	111674	4547.32	N
185	111663	4547.32	N
185	111658	4547.32	N
185	111659	4547.32	N
185	111666	4547.32	N
188	26977	4696.92	E
191	175025	4651.92	SSE
191	174512	4651.92	SSE
191	174511	4651.92	SSE
197	643031	4778.89	SSW
201	643030	4883.76	SW
203	267707	4863.50	N
203	267706	4863.50	N
203	267709	4863.50	N
203	267704	4863.50	N
205	539897	5094.49	NW

Underground Injection Control

Map Key	ID	Distance (ft)	Direction
24	erisinfo.com Environmental Risk Information Services		Order No: 23120600473p

Wells and Additional Sources Summary

No records found

Water Utility Database

Map Key	ID	Distance (ft)	Direction
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No records found

Well Log Reports from Plotted Water Wells

Map Key	Grid No	Distance (ft)	Direction
96	58-35-7G	2787.53	NNE
96	IBM	2787.53	NNE
96	58-35-7G	2787.53	NNE
96	IBM	2787.53	NNE
96	58-35-7G	2787.53	NNE
96	IBM	2787.53	NNE
126	58-35-7F	3455.49	WSW
126	JAMES FRY	3455.49	WSW

Wells and Additional Sources Detail Report

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2:

State Code:

TX

Zip Code:

78758

City Name:

AUSTIN

Address Line 1:

2809 LONGHORN BLVD

PWS ID:

TX2270263

PWS Type Code:

CWS

PWS Type Description:

Community Water System

Primary Source Code:

GW

Primary Source Desc:

Groundwater

PWS Activity Code:

I

PWS Activity Description:

Inactive

PWS Deactivation Date:

01/02/1998

Phone Number:

512-263-2707

--Details--

Population Served Count:

1050

City Served:

County Served:

State Served:

TX

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2:

2809 LONGHORN BLVD

State Code:

TX

Zip Code:

787587623

City Name:

AUSTIN

Address Line 1:

C/O ST ENVIRONMENTAL SERVICES

PWS ID:

TX2270267

PWS Type Code:

CWS

PWS Type Description:

Community Water System

Primary Source Code:

SWP

Primary Source Desc:

Purchased Surface Water

PWS Activity Code:

I

PWS Activity Description:

Inactive

PWS Deactivation Date:

01/06/1998

Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 1200

City Served:

County Served:

State Served: TX

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2: 2809 LONGHORN BLVD

State Code: TX

Zip Code: 78758

City Name: AUSTIN

Address Line 1: CITY OF AUSTIN

PWS ID: TX2270189

PWS Type Code: CWS

PWS Type Description: Community Water System

Primary Source Code: SW

Primary Source Desc: Surface Water

PWS Activity Code: I

PWS Activity Description: Inactive

PWS Deactivation Date: 04/10/2005

Phone Number:

--Details--

Population Served Count: 3870

City Served:

County Served:

State Served: TX

Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2:

State Code: TX

Zip Code: 78758

City Name: AUSTIN

Address Line 1: 2809 LONGHORN BLVD

PWS ID: TX2270265

PWS Type Code: CWS

PWS Type Description: Community Water System

Primary Source Code: GW

Primary Source Desc: Groundwater

PWS Activity Code: I

Wells and Additional Sources Detail Report

PWS Activity Description: Inactive
PWS Deactivation Date: 01/11/1998
Phone Number:

--Details--

Population Served Count: 1600
City Served:
County Served:
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2: 11855 RESEARCH B
State Code: TX
Zip Code: 78758
City Name: AUSTIN
Address Line 1: 2809 LONGHORN BLVD
PWS ID: TX2270230
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/04/1998
Phone Number: 512-219-9191

--Details--

Population Served Count: 5880
City Served:
County Served:
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	PWSV

Address Line 2: 2809 LONGHORN BLVDL
State Code: TX
Zip Code: 787587623
City Name: AUSTIN
Address Line 1: C/O ECO RESOURCES INC
PWS ID: TX2270319
PWS Type Code: CWS

Wells and Additional Sources Detail Report

PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1998
Phone Number:

--Details--

Population Served Count: 70
City Served:
County Served:
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	W	0.39	2,071.49	776.72	PWSV

Address Line 2:
State Code: TX
Zip Code: 78759-5930
City Name: AUSTIN
Address Line 1: 9606 N MOPAC EXPY STE 125
PWS ID: TX0260050
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 512-459-7100

--Details--

Population Served Count: 0
City Served:
County Served: Burleson
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	W	0.39	2,071.49	776.72	PWSV

Address Line 2:
State Code: TX
Zip Code: 78759-5930

Wells and Additional Sources Detail Report

City Name: AUSTIN
Address Line 1: 9606 N MOPAC EXPY STE 125
PWS ID: TX0260049
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GWP
Primary Source Desc: Purchased groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 512-342-6819

--Details--

Population Served Count: 0
City Served:
County Served: Burleson
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	ESE	0.42	2,221.35	783.28	PWSV

Address Line 2: 2404 RUTLAND DRIVE #104
State Code: TX
Zip Code: 78758
City Name: AUSTIN
Address Line 1: C/O E R RATHGEBER
PWS ID: TX2270046
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1992
Phone Number:

--Details--

Population Served Count: 423
City Served:
County Served:
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
175	WSW	0.80	4,200.55	796.23	PWSV

Wells and Additional Sources Detail Report

Address Line 2: 8870 BUSINESS PARK DR - NO 500
State Code: TX
Zip Code: 78759
City Name: AUSTIN
Address Line 1:
PWS ID: TX2270295
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/05/1989
Phone Number:

--Details--

Population Served Count: 8
City Served:
County Served:
State Served: TX
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
175	WSW	0.80	4,200.55	796.23	PWSV

Address Line 2: 8870 BUSINESS PARK DR - NO 500
State Code: TX
Zip Code: 78759
City Name: AUSTIN
Address Line 1:
PWS ID: TX2270228
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/12/1990
Phone Number:

--Details--

Population Served Count: 10941
City Served:
County Served:
State Served: TX

Wells and Additional Sources Detail Report

Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	SDWIS

PWS ID: TX2270189
PWS Type: Community water system
No of Facilities: 2
No of Violations: 6
No of Site Visits: 0
Cities Served: -
Counties Served: Travis
Population Served Count: 3,870
Primacy Agency: Texas
EPA Region: Region 6

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSE	0.22	1,143.88	770.21	SDWIS

PWS ID: TX2270267
PWS Type: Community water system
No of Facilities: 1
No of Violations: 0
No of Site Visits: 0
Cities Served: -
Counties Served: Travis
Population Served Count: 1,200
Primacy Agency: Texas
EPA Region: Region 6

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	775.09	FED USGS

Site No: USGS-302308097434401
Site Type: Facility: Pavement
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS Texas Water Science Center
Station Name: UT Pickle Research Campus MER Building, Austin, TX

Wells and Additional Sources Detail Report

Latitude: 30.38566667000000
Longitude: -97.7288611000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.11	557.21	792.71	FED USGS

Site No: USGS-302316097430401
Site Type: Well
Formation Type: Edwards and Associated Limestones
Date Drilled: 19421029
Well Depth: 610
Well Depth Unit: ft
Well Hole Depth: 610
Well Hole Depth Unit: ft
Reporting Agency: USGS Texas Water Science Center
Station Name: YD-58-35-701
Latitude: 30.38798166000000
Longitude: -97.7261178000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NE	0.25	1,297.56	792.63	FED USGS

Site No: USGS-302322097432801
Site Type: Facility: Pavement
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS Texas Water Science Center
Station Name: UT Pickle Research Campus ROC Building, Austin, TX
Latitude: 30.38944444000000
Longitude: -97.7244444000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	NW	0.56	2,953.56	798.53	FED USGS

Site No: USGS-302336097440401
Site Type: Spring
Formation Type: Edwards and Associated Limestones
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:

Wells and Additional Sources Detail Report

Well Hole Depth Unit:

Reporting Agency: USGS Texas Water Science Center

Station Name: YD-58-35-718

Latitude: 30.39333333000000

Longitude: -97.7344444000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
137	NNE	0.68	3,581.96	792.30	FED USGS

Site No: USGS-08155595

Site Type: Stream

Formation Type:

Date Drilled:

Well Depth:

Well Depth Unit:

Well Hole Depth:

Well Hole Depth Unit:

Reporting Agency: USGS Texas Water Science Center

Station Name: Shoal Ck Trib at MCC, Austin, TX

Latitude: 30.39548140000000

Longitude: -97.7219511000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
176	W	0.84	4,448.00	846.85	FED USGS

Site No: USGS-302314097443601

Site Type: Spring

Formation Type: Edwards and Associated Limestones

Date Drilled:

Well Depth:

Well Depth Unit:

Well Hole Depth:

Well Hole Depth Unit:

Reporting Agency: USGS Texas Water Science Center

Station Name: YD-58-35-719

Latitude: 30.38722220000000

Longitude: -97.7433333000000

Groundwater Database

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SE	0.08	417.48	781.72	GWDB

Well Rep Track No:

State Well No: 5835709

Owner Name: Balcones Research Cntr Univ. of Texas

Wells and Additional Sources Detail Report

Drilling Start Dt:
Drilling Month:
Drilling Day:
Drilling Year: 1942
Well Depth: 1833
Well Usage: Unused
Water Level Status:
Latitude: 30.3841670
Longitude: -97.7266670
Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835709&Type=GWDB>
Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835709&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NE	0.12	630.09	792.94	GWDB

Well Rep Track No:
State Well No: 5835701
Owner Name: Balcones Research Center
Drilling Start Dt:
Drilling Month: 3
Drilling Day: 26
Drilling Year: 1942
Well Depth: 610
Well Usage: Public Supply
Water Level Status:
Latitude: 30.3880560
Longitude: -97.7258330
Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835701&Type=GWDB>
Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835701&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	N	0.41	2,170.54	788.34	GWDB

Well Rep Track No:
State Well No: 5835721
Owner Name: Balcones Research Center
Drilling Start Dt:
Drilling Month: 6
Drilling Day:
Drilling Year: 1988
Well Depth: 1265
Well Usage: Unused
Water Level Status:

Wells and Additional Sources Detail Report

Latitude: 30.3930556
Longitude: -97.7280556
Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835721&Type=GWDB>
Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835721&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	NW	0.53	2,820.10	787.22	GWDB

Well Rep Track No:
State Well No: 5835718
Owner Name: University of Texas Roger Spring
Drilling Start Dt:
Drilling Month:
Drilling Day:
Drilling Year:
Well Depth:
Well Usage: Unused
Water Level Status:
Latitude: 30.3930560
Longitude: -97.7341670
Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835718&Type=GWDB>
Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835718&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	SW	0.63	3,314.54	740.62	GWDB

Well Rep Track No:
State Well No: 5835704
Owner Name: George Shafer
Drilling Start Dt:
Drilling Month:
Drilling Day:
Drilling Year:
Well Depth: 400
Well Usage: Plugged or Destroyed
Water Level Status:
Latitude: 30.3775000
Longitude: -97.7361110
Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835704&Type=GWDB>
Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835704&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

172 W 0.82 4,341.88 837.79 GWDB

Well Rep Track No:

State Well No: 5835719

Owner Name: Beal Stone

Drilling Start Dt:

Drilling Month:

Drilling Day:

Drilling Year:

Well Depth:

Well Usage: Unused

Water Level Status:

Latitude: 30.3869450

Longitude: -97.7430560

Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations

Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835719&Type=GWDB>

Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835719&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
182	SW	0.84	4,453.99	766.47	GWDB

Well Rep Track No:

State Well No: 5835714

Owner Name: George Shafet

Drilling Start Dt:

Drilling Month:

Drilling Day:

Drilling Year:

Well Depth: 65

Well Usage: Unused

Water Level Status:

Latitude: 30.3769440

Longitude: -97.7405560

Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations

Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835714&Type=GWDB>

Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835714&Cnty=Travis>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
206	W	0.98	5,188.24	872.30	GWDB

Well Rep Track No:

State Well No: 5835702

Owner Name: Mrs. Tom Williams

Drilling Start Dt:

Wells and Additional Sources Detail Report

Drilling Month:
 Drilling Day:
 Drilling Year: 1935
 Well Depth: 49
 Well Usage: Unused
 Water Level Status:
 Latitude: 30.3866670
 Longitude: -97.7458340
 Data Source: Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations
 Well Info Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetReports.aspx?Num=5835702&Type=GWDB>
 Document Link: <https://www3.twdb.texas.gov/apps/waterdatainteractive//GetScannedImage.aspx?Num=5835702&Cnty=Travis>

Plotted Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	N	0.60	3,185.27	787.95	WATER WELLS

WWD ID: 892996 Deg: 58
 Grid No: 58-35-7 Sev Min: 35
 TX Grid ID: 53311.0 Two Min: 7
 TX Grid: 53603.0 Shape Length: 0.0
 Perimeter: 17210.939 Shape Area: 0.0017359778285
 County: TRAVIS
 Data Source : Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
208	S	2.05	10,826.68	731.35	WATER WELLS

WWD ID: 945094 Deg: 58
 Grid No: 58-43-1 Sev Min: 43
 TX Grid ID: 53647.0 Two Min: 1
 TX Grid: 53938.0 Shape Length: 0.0
 Perimeter: 17214.502 Shape Area: 0.00173598895311
 County: TRAVIS
 Data Source : Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
209	ENE	2.44	12,900.83	689.01	WATER WELLS

WWD ID: 1013913 Deg: 58
 Grid No: 58-35-8 Sev Min: 35
 TX Grid ID: 53312.0 Two Min: 8
 TX Grid: 53595.0 Shape Length: 0.0
 Perimeter: 17212.445 Shape Area: 0.00173630326076
 County: TRAVIS

Wells and Additional Sources Detail Report

Data Source : Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
210	WNW	2.58	13,638.49	683.84	WATER WELLS

WWD ID:	852170	Deg:	58
Grid No:	58-34-9	Sev Min:	34
TX Grid ID:	53310.0	Two Min:	9
TX Grid:	53607.0	Shape Length:	0.0
Perimeter:	17210.93	Shape Area:	0.00173597409899
County:	TRAVIS		

Data Source : Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO

Plugged Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SSW	0.07	388.13	773.22	PLUGGED WELLS

License No:	2897	Well Address 1:	3106 Longhorn Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92135	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW3
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.383334
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	0
Driller Address 2:		Longitude:	-97.729444
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78759	Long Second:	46
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		

Wells and Additional Sources Detail Report

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SW	0.11	560.19	764.63	PLUGGED WELLS

License No:	2897	Well Address 1:	3306 Longhorn Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92134	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW2
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.383889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	2
Driller Address 2:		Longitude:	-97.731111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78759	Long Second:	52
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SW	0.18	946.04	760.25	PLUGGED WELLS

License No:	54616	Well Address 1:	3203 Longhorn Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	26053	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-08-05	Owner Well No:	MW-1
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway

Wells and Additional Sources Detail Report

Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-07-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.383055
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second: 59
Driller Address 2:	Longitude: -97.731944
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 55
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	W	0.21	1,114.52	757.59	PLUGGED WELLS

License No: 2897	Well Address 1: 9610 Neils Thompson Drive
Variance No:	Well Address 2:
Plug Rpt Track No: 92133	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2014-01-15	Owner Well No: MW1
No Wells Plugged:	Owner Name: Industrial Properties, LLC
Plugging Name: Amador Hinojosa	Owner Address 1: 2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2014-01-09	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: unknown	Owner Zip: 78758
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.385
Apprentice Signed:	Lat Degree: 30
Driller Signed: Amador Hinojosa	Lat Minute: 23
Driller Address 1: 5222 Thunder Creek Road, Ste B	Lat Second: 6
Driller Address 2:	Longitude: -97.733055

Wells and Additional Sources Detail Report

Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78759	Long Second:	59
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	SSE	0.19	1,001.36	770.93	PLUGGED WELLS

License No:	54616	Well Address 1:	2804 Longhorn Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	30779	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2006-04-04	Owner Well No:	MW-2
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2006-02-08	Owner City:	Irving
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	75062
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	53
Driller Address 2:		Longitude:	-97.726944
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	37
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

12 SSW 0.21 1,089.15 765.09 PLUGGED WELLS

License No:	2897	Well Address 1:	3201 Longhorn Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92136	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW4
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381944
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	22
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	55
Driller Address 2:		Longitude:	-97.731111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78759	Long Second:	52
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSE	0.20	1,038.27	770.61	PLUGGED WELLS

License No:	54616	Well Address 1:	2804 Longhorn Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	30780	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2006-04-04	Owner Well No:	MW-3
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2006-02-08	Owner City:	Irving

Wells and Additional Sources Detail Report

Orig License No:	Owner State:	TX
Orig Driller Name:	Owner Zip:	75062
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.381389
Apprentice Signed:	Lat Degree:	30
Driller Signed: Mark Kevin Denson	Lat Minute:	22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second:	53
Driller Address 2:	Longitude:	-97.726667
Driller City: Austin	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78735	Long Second:	36
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Terracon		
Original Company Name:		
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSE	0.20	1,038.27	770.61	PLUGGED WELLS

License No: 54616	Well Address 1: 2804 Longhorn Boulevard
Variance No:	Well Address 2:
Plug Rpt Track No: 30778	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2006-04-04	Owner Well No: MW-1
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugging Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-02-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.381389
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second: 53
Driller Address 2:	Longitude: -97.726667
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43

Wells and Additional Sources Detail Report

Driller Zip:	78735	Long Second:	36
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSE	0.20	1,038.27	770.61	PLUGGED WELLS

License No:	54616	Well Address 1:	2804 Longhorn Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	30781	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2006-04-04	Owner Well No:	MW-4
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2006-02-08	Owner City:	Irving
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	75062
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	53
Driller Address 2:		Longitude:	-97.726667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	36
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SSE	0.20	1,081.16	769.81	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No: 54616	Well Address 1: 2804 Longhorn Boulevard
Variance No:	Well Address 2:
Plug Rpt Track No: 30782	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2006-04-04	Owner Well No: MW-5
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugger Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-02-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.381389
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second: 53
Driller Address 2:	Longitude: -97.726389
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 35
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SSE	0.21	1,129.12	769.93	PLUGGED WELLS

License No: 54616	Well Address 1: 2804 Longhorn Boulevard
Variance No:	Well Address 2:
Plug Rpt Track No: 30783	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2006-04-04	Owner Well No: MW-6
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugger Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-02-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062

Wells and Additional Sources Detail Report

Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	52
Driller Address 2:		Longitude:	-97.726667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	36
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SE	0.26	1,361.33	767.34	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47377	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-04-30	Owner Well No:	139
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	22
Driller Address 1:	PO Box 525	Lat Second:	53
Driller Address 2:		Longitude:	-97.725
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	

Wells and Additional Sources Detail Report

Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.	
Original Company Name:		
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments:	No Data	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.26	1,351.71	758.11	PLUGGED WELLS

License No:	54616	Well Address 1:	3206 Industrial Terrace
Variance No:		Well Address 2:	
Plug Rpt Track No:	30777	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2006-04-04	Owner Well No:	MW-3
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2006-02-08	Owner City:	Irving
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	75062
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	53
Driller Address 2:		Longitude:	-97.731667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	54
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.26	1,351.71	758.11	PLUGGED WELLS

License No:	54616	Well Address 1:	3206 Industrial Terrace
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Wells and Additional Sources Detail Report

Variance No:	Well Address 2:
Plug Rpt Track No: 30776	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2006-04-04	Owner Well No: MW-2
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugging Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-02-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.381389
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second: 53
Driller Address 2:	Longitude: -97.731667
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 54
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.26	1,351.71	758.11	PLUGGED WELLS

License No: 54616	Well Address 1: 3206 Industrial Terrace
Variance No:	Well Address 2:
Plug Rpt Track No: 30775	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2006-04-04	Owner Well No: MW-1
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugging Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-02-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:

Wells and Additional Sources Detail Report

Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	53
Driller Address 2:		Longitude:	-97.731667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	54
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SW	0.26	1,348.15	749.73	PLUGGED WELLS

License No:	2897	Well Address 1:	9416 Neils Thompson Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92137	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW5
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.3825
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	22
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	57
Driller Address 2:		Longitude:	-97.733055
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78759	Long Second:	59
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No

Wells and Additional Sources Detail Report

Company Name: Austin Geo-Logic
 Original Company Name:
 Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet
 Comments: No Data
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	SW	0.29	1,540.27	746.64	PLUGGED WELLS

License No:	2897	Well Address 1:	9324 Neils Thompson Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92138	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW6
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381944
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	22
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	55
Driller Address 2:		Longitude:	-97.733334
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	44
Driller Zip:	78759	Long Second:	0
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NNW	0.34	1,773.23	770.06	PLUGGED WELLS

License No:	54516	Well Address 1:	10515 N MoPac
Variance No:		Well Address 2:	
Plug Rpt Track No:	29652	Well City:	Austin

Wells and Additional Sources Detail Report

Well Rpt Track No:	Well Zip: 78759
Date Submitted: 2006-01-18	Owner Well No: 1
No Wells Plugged:	Owner Name: Simon Properties Group
Plugging Name: Michael Becker, P.G.	Owner Address 1: 115 W Washington, Suite 15
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-01-11	Owner City: East Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name: unknown	Owner Zip: 46204
Original Well Use: Withdrawal of Water	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.391389
Apprentice Signed:	Lat Degree: 30
Driller Signed: Michael G Becker, P.G.	Lat Minute: 23
Driller Address 1: PO Box 867	Lat Second: 29
Driller Address 2:	Longitude: -97.731111
Driller City: Marble Falls	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78654	Long Second: 52
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: APEX Drilling Inc.	
Original Company Name:	
Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	PLUGGED WELLS

License No: 54611	Well Address 1: 9061 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 113155	Well City: Austin
Well Rpt Track No: 75187	Well Zip:
Date Submitted: 2006-01-31	Owner Well No: TMW2
No Wells Plugged:	Owner Name: Valero
Plugging Name: Brian Kern	Owner Address 1: 9061 Burnet Rd
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-01-10	Owner City: Austin
Orig License No: 54611	Owner State: TX
Orig Driller Name: Brian Kern	Owner Zip:
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 2006-01-10	County: Travis
Apprentice Reg No:	Latitude: 30.38

Wells and Additional Sources Detail Report

Apprentice Signed:		Lat Degree:	30
Driller Signed:	Brian Kern	Lat Minute:	22
Driller Address 1:	P.O. Box 81621	Lat Second:	48
Driller Address 2:		Longitude:	-97.724722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78708	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Total Support Services		
Original Company Name:	Total Support Services		
Plugging Method:	Unknown		
Comments:	2006-010		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	PLUGGED WELLS

License No:	54616	Well Address 1:	9601 Burnet Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	91989	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2013-12-31	Owner Well No:	MW-3
No Wells Plugged:		Owner Name:	City of Austin
Plugging Name:	Kevin Denson	Owner Address 1:	505 Barton Springs Road
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2013-12-24	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78704
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.38
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	48
Driller Address 2:		Longitude:	-97.724722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			

Wells and Additional Sources Detail Report

Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet
 Comments: No Data
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	PLUGGED WELLS

License No:	54611	Well Address 1:	9061 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	113154	Well City:	Austin
Well Rpt Track No:	75186	Well Zip:	
Date Submitted:	2006-01-31	Owner Well No:	TMW1
No Wells Plugged:		Owner Name:	Valero
Plugging Name:	Brian Kern	Owner Address 1:	9061 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2006-01-10	Owner City:	Austin
Orig License No:	54611	Owner State:	TX
Orig Driller Name:	Brian Kern	Owner Zip:	
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2006-01-10	County:	Travis
Apprentice Reg No:		Latitude:	30.38
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Brian Kern	Lat Minute:	22
Driller Address 1:	P.O. Box 81621	Lat Second:	48
Driller Address 2:		Longitude:	-97.724722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78708	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Total Support Services		
Original Company Name:	Total Support Services		
Plugging Method:	Unknown		
Comments:	2006-010		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	PLUGGED WELLS

License No:	54611	Well Address 1:	9061 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	113156	Well City:	Austin
Well Rpt Track No:	75188	Well Zip:	
Date Submitted:	2006-01-31	Owner Well No:	B3

Wells and Additional Sources Detail Report

No Wells Plugged:	Owner Name: Valero
Plugger Name: Brian Kern	Owner Address 1: 9061 Burnet Rd
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-01-10	Owner City: Austin
Orig License No: 54611	Owner State: TX
Orig Driller Name: Brian Kern	Owner Zip:
Original Well Use: Environmental Soil Boring	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 2006-01-10	County: Travis
Apprentice Reg No:	Latitude: 30.38
Apprentice Signed:	Lat Degree: 30
Driller Signed: Brian Kern	Lat Minute: 22
Driller Address 1: P.O. Box 81621	Lat Second: 48
Driller Address 2:	Longitude: -97.724722
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78708	Long Second: 29
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Total Support Services	
Original Company Name: Total Support Services	
Plugging Method: Unknown	
Comments: 2006-010	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	SSE	0.35	1,850.01	761.44	PLUGGED WELLS

License No: 54616	Well Address 1: 9601 Burnet Road
Variance No:	Well Address 2:
Plug Rpt Track No: 91988	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2013-12-31	Owner Well No: MW-2
No Wells Plugged:	Owner Name: City of Austin
Plugger Name: Kevin Denson	Owner Address 1: 505 Barton Springs Road
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2013-12-24	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78704
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.38
Apprentice Signed:	Lat Degree: 30
Driller Signed: Kevin Denson	Lat Minute: 22

Wells and Additional Sources Detail Report

Driller Address 1:	5307 Industrial Oaks	Lat Second:	48
Driller Address 2:		Longitude:	-97.724444
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	28
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.36	1,877.01	759.98	PLUGGED WELLS

License No:	54616	Well Address 1:	9601 Burnet Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	91990	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2013-12-31	Owner Well No:	MW-4
No Wells Plugged:		Owner Name:	City of Austin
Plugging Name:	Kevin Denson	Owner Address 1:	505 Barton Springs Road
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2013-12-24	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78704
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.379722
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	47
Driller Address 2:		Longitude:	-97.724722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		

Wells and Additional Sources Detail Report

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	SW	0.40	2,135.02	740.91	PLUGGED WELLS

License No:	2897	Well Address 1:	9230 Neils Thompson Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92139	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-15	Owner Well No:	MW7
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugger Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-09	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.380833
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	22
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	51
Driller Address 2:		Longitude:	-97.734722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	44
Driller Zip:	78759	Long Second:	5
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	NNE	0.41	2,145.84	791.24	PLUGGED WELLS

License No:	54437	Well Address 1:	Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	48323	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-06-20	Owner Well No:	#132
No Wells Plugged:		Owner Name:	DPR Construction
Plugger Name:	Frederick Smith	Owner Address 1:	9606 Mopac N., Suite 300

Wells and Additional Sources Detail Report

Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2008-05-20	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: Harrison Water Well	Owner Zip: 78759
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.392222
Apprentice Signed:	Lat Degree: 30
Driller Signed: Frederick Smith	Lat Minute: 23
Driller Address 1: P.O. Box 525	Lat Second: 32
Driller Address 2:	Longitude: -97.724722
Driller City: Dripping Springs	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78620	Long Second: 29
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Whisenant & Lyle Water Services Inc	
Original Company Name:	
Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	NNE	0.41	2,145.84	791.24	PLUGGED WELLS

License No: 54437	Well Address 1: Braker Lane
Variance No:	Well Address 2:
Plug Rpt Track No: 48324	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2008-06-20	Owner Well No: #126
No Wells Plugged:	Owner Name: DPR Construction
Plugging Name: Frederick Smith	Owner Address 1: 9606 Mopac N., Suite 300
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2008-05-20	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: Harrison Water Well	Owner Zip: 78759
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.392222
Apprentice Signed:	Lat Degree: 30
Driller Signed: Frederick Smith	Lat Minute: 23
Driller Address 1: P.O. Box 525	Lat Second: 32
Driller Address 2:	Longitude: -97.724722

Wells and Additional Sources Detail Report

Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	NNE	0.41	2,177.19	791.35	PLUGGED WELLS

License No:	54437	Well Address 1:	Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	48322	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-06-20	Owner Well No:	#6
No Wells Plugged:		Owner Name:	DPR Construction
Plugging Name:	Frederick Smith	Owner Address 1:	9606 Mopac N., Suite 300
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-05-20	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78759
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.392222
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Frederick Smith	Lat Minute:	23
Driller Address 1:	P.O. Box 525	Lat Second:	32
Driller Address 2:		Longitude:	-97.724444
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	28
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

63	NNE	0.43	2,261.91	793.01	PLUGGED WELLS
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License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22629	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 2
No Wells Plugged:		Owner Name:	Austin Domain, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	1209 W 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-10	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.393056
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	35
Driller Address 2:		Longitude:	-97.726389
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	35
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNE	0.45	2,384.49	793.75	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22640	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 125
No Wells Plugged:		Owner Name:	Austin Domain, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	1209 W 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-16	Owner City:	Austin

Wells and Additional Sources Detail Report

Orig License No:		Owner State:	TX
Orig Driller Name:	Associated Drilling Co	Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1987-10-15	County:	Travis
Apprentice Reg No:		Latitude:	30.393334
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	36
Driller Address 2:		Longitude:	-97.726111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	34
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	E	0.50	2,652.68	750.57	PLUGGED WELLS

License No:	58164	Well Address 1:	10317 McKalla Place
Variance No:		Well Address 2:	
Plug Rpt Track No:	229432	Well City:	Austin
Well Rpt Track No:		Well Zip:	
Date Submitted:	2023-05-08	Owner Well No:	MW-1
No Wells Plugged:	1	Owner Name:	McKalla Station, LP
Plugging Name:		Owner Address 1:	3800 North Lamar Blvd, Suite 350
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2023-05-03	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78756
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.385056
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Brad Eskue	Lat Minute:	23
Driller Address 1:	P.O. Box 70	Lat Second:	6.2
Driller Address 2:		Longitude:	-97.718831
Driller City:	Azle	Long Degree:	97
Driller State:	TX	Long Minute:	43

Wells and Additional Sources Detail Report

Driller Zip:	76098	Long Second:	7.79
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Eagle Remediation		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	ENE	0.47	2,502.33	758.50	PLUGGED WELLS

License No:	54616	Well Address 1:	10715 Burnet Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	171258	Well City:	Austin
Well Rpt Track No:		Well Zip:	
Date Submitted:	2017-09-11	Owner Well No:	MW-1
No Wells Plugged:	1	Owner Name:	City of Austin
Plugging Name:	Kevin Denson	Owner Address 1:	505 Barton Springs Road, Suite 1350
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2017-08-17	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78704
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.388833
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	19.8
Driller Address 2:		Longitude:	-97.7195
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	10.2
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	ESE	0.53	2,772.84	769.05	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No: 54616	Well Address 1: 2315 Rutland Drive
Variance No:	Well Address 2:
Plug Rpt Track No: 26050	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-08-05	Owner Well No: MW-1
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugger Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-07-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.381111
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks, Ste. 160	Lat Second: 52
Driller Address 2:	Longitude: -97.72
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 12
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data loc update by tdb, 8/1/14	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	ESE	0.53	2,772.84	769.05	PLUGGED WELLS

License No: 54616	Well Address 1: 2315 Rutland Drive
Variance No:	Well Address 2:
Plug Rpt Track No: 26052	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-08-05	Owner Well No: MW-3
No Wells Plugged:	Owner Name: Industrial Properties Corp.
Plugger Name: Mark Kevin Denson	Owner Address 1: 400 East Carpenter Freeway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-07-08	Owner City: Irving
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 75062

Wells and Additional Sources Detail Report

Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	52
Driller Address 2:		Longitude:	-97.72
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	12
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data loc update by twdb, 8/1/14		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	ESE	0.53	2,772.84	769.05	PLUGGED WELLS

License No:	54616	Well Address 1:	2315 Rutland Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	26051	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-08-05	Owner Well No:	MW-2
No Wells Plugged:		Owner Name:	Industrial Properties Corp.
Plugging Name:	Mark Kevin Denson	Owner Address 1:	400 East Carpenter Freeway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-07-08	Owner City:	Irving
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	75062
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.381111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks, Ste. 160	Lat Second:	52
Driller Address 2:		Longitude:	-97.72
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	12
Driller Oth Cntry:		Hor Datum Type:	

Wells and Additional Sources Detail Report

Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name:	Terracon	
Original Company Name:		
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments:	No Data loc update by twdb, 8/1/14	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	ENE	0.50	2,644.54	749.59	PLUGGED WELLS

License No:	54616	Well Address 1:	10715 Burnet Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	171259	Well City:	Austin
Well Rpt Track No:		Well Zip:	
Date Submitted:	2017-09-11	Owner Well No:	MW-2
No Wells Plugged:	1	Owner Name:	City of Austin
Plugging Name:	Kevin Denson	Owner Address 1:	505 Barton Springs Road, Suite 1350
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2017-08-17	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78704
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.387167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	13.8
Driller Address 2:		Longitude:	-97.718667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	7.2
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	ESE	0.54	2,852.57	754.36	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No: 54616	Well Address 1: 2213 Rutland
Variance No:	Well Address 2:
Plug Rpt Track No: 211908	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2021-09-15	Owner Well No: MW-3
No Wells Plugged: 1	Owner Name: HPI
Plugging Name: Kevin Denson	Owner Address 1: 3700 n 360
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2021-09-01	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78746
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.383667
Apprentice Signed:	Lat Degree: 30
Driller Signed: Kevin Denson	Lat Minute: 23
Driller Address 1: 5307 Industrial Oaks	Lat Second: 1.2
Driller Address 2:	Longitude: -97.718667
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 7.2
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: Yes
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ENE	0.49	2,597.12	758.08	PLUGGED WELLS

License No: 2897	Well Address 1: 2501 W. Braker Lane
Variance No:	Well Address 2:
Plug Rpt Track No: 146117	Well City: Austin
Well Rpt Track No: 362818	Well Zip: 78758
Date Submitted: 2014-05-16	Owner Well No: B4
No Wells Plugged:	Owner Name: Coastal Rim Properties
Plugging Name: Amador Hinojosa	Owner Address 1: 7610 Isabella Way
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2014-04-22	Owner City: Gilroy
Orig License No: 2897	Owner State: CA
Orig Driller Name: Amador Hinojosa	Owner Zip: 95020
Original Well Use: Environmental Soil Boring	Owner Oth Cntry:

Wells and Additional Sources Detail Report

Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 2014-04-22	County: Travis
Apprentice Reg No:	Latitude: 30.389445
Apprentice Signed:	Lat Degree: 30
Driller Signed: Amador Hinojosa	Lat Minute: 23
Driller Address 1: 5222 Thunder Creek Rd. B-2	Lat Second: 22
Driller Address 2:	Longitude: -97.719444
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78769	Long Second: 10
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation: 759	Loc Verfd by Drllr: No
Company Name: Austin Geo-Logic	
Original Company Name: Austin Geo-Logic	
Plugging Method: Unknown	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	N	0.49	2,571.48	788.40	PLUGGED WELLS

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22520	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 23
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-09	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.394167
Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second: 39
Driller Address 2:	Longitude: -97.728333
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78748	Long Second: 42
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7

Wells and Additional Sources Detail Report

Elevation:	Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services	
Original Company Name:		
Plugging Method:	Tremmie pipe cement from bottom to top	
Comments:	Well log states TD is 123'. Actual TD is 85'	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	E	0.52	2,743.72	747.42	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:	036-05	Well Address 2:	
Plug Rpt Track No:	22633	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 62
No Wells Plugged:		Owner Name:	JER Austin Tech, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	1650 Tysons Blvd, Ste 1600
Plugging Mtd Descr:	See Comments	Owner Address 2:	
Plugging Date:	2005-02-15	Owner City:	McLean
Orig License No:		Owner State:	VA
Orig Driller Name:	Harrison Water Wells	Owner Zip:	22101
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-02-08	County:	Travis
Apprentice Reg No:		Latitude:	30.386667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	12
Driller Address 2:		Longitude:	-97.718333
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Other		
Comments:	Per Variance No 036 05. Chlorinated Pea Gravel from 480' to 281' (2' below casing depth at 279'). Cement from 281' to 0.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	E	0.55	2,891.05	750.37	PLUGGED WELLS

License No:	54616	Well Address 1:	2213 Rutland
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Wells and Additional Sources Detail Report

Variance No:		Well Address 2:	
Plug Rpt Track No:	211907	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2021-09-15	Owner Well No:	MW-2
No Wells Plugged:	1	Owner Name:	HPI
Plugging Name:	Kevin Denson	Owner Address 1:	3700 N 360
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2021-09-01	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78746
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.384167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	3
Driller Address 2:		Longitude:	-97.718333
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	ENE	0.51	2,691.91	753.56	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146116	Well City:	Austin
Well Rpt Track No:	362816	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B3
No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-04-22	Owner City:	Gilroy
Orig License No:	2897	Owner State:	CA
Orig Driller Name:	Amador Hinojosa	Owner Zip:	95020
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	

Wells and Additional Sources Detail Report

Orig Drill Date:	2014-04-22	County:	Travis
Apprentice Reg No:		Latitude:	30.388889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Rd. B-2	Lat Second:	20
Driller Address 2:		Longitude:	-97.718889
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78769	Long Second:	8
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:	756	Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:	Austin Geo-Logic		
Plugging Method:	Unknown		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	E	0.55	2,890.05	746.60	PLUGGED WELLS

License No:	54616	Well Address 1:	10300 Metropolitan
Variance No:		Well Address 2:	
Plug Rpt Track No:	208275	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2021-04-12	Owner Well No:	MW-2
No Wells Plugged:	1	Owner Name:	CREA Capital
Plugging Name:	Kevin Denson	Owner Address 1:	1601 S Mopac
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2021-04-05	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78746
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.385333
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	7.2
Driller Address 2:		Longitude:	-97.718
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	4.8
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes

Wells and Additional Sources Detail Report

Company Name: Terracon
 Original Company Name:
 Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet
 Comments:
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	E	0.54	2,831.36	745.90	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22632	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 61
No Wells Plugged:		Owner Name:	JER Austin Tech, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	1650 Tysons Blvd, Ste 1600
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-11	Owner City:	McLean
Orig License No:		Owner State:	VA
Orig Driller Name:	Harrison Water Wells	Owner Zip:	22101
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-02-21	County:	Travis
Apprentice Reg No:		Latitude:	30.386667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	12
Driller Address 2:		Longitude:	-97.718055
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	5
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	TD is different from well log. Well log states TD is 135'. TD measured in field is 52'.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	E	0.54	2,831.36	745.90	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22641	Well City:	Austin

Wells and Additional Sources Detail Report

Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-25	Owner Well No: MW 127
No Wells Plugged:	Owner Name: JER Austin Tech, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 1650 Tysons Blvd, Ste 1600
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-11	Owner City: McLean
Orig License No:	Owner State: VA
Orig Driller Name: Associated Drilling Co	Owner Zip: 22101
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 1987-10-15	County: Travis
Apprentice Reg No:	Latitude: 30.386667
Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1002 Jousting Place	Lat Second: 12
Driller Address 2:	Longitude: -97.718055
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78746	Long Second: 5
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Environmental Operations, Inc	
Original Company Name:	
Plugging Method: Tremmie pipe cement from bottom to top	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	E	0.57	3,009.92	749.36	PLUGGED WELLS

License No: 54616	Well Address 1: 10300 Metropolitan
Variance No:	Well Address 2:
Plug Rpt Track No: 208274	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2021-04-12	Owner Well No: MW-1
No Wells Plugged: 1	Owner Name: CREA Capital
Plugging Name: Kevin Denson	Owner Address 1: 1601 S Mopac
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2021-04-05	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78746
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.384

Wells and Additional Sources Detail Report

Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	2.4
Driller Address 2:		Longitude:	-97.718
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	4.8
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	E	0.60	3,149.27	749.27	PLUGGED WELLS

License No:	54616	Well Address 1:	2213 Rutland
Variance No:		Well Address 2:	
Plug Rpt Track No:	211906	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2021-09-15	Owner Well No:	MW-1
No Wells Plugged:	1	Owner Name:	HPI
Plugging Name:	Kevin Denson	Owner Address 1:	3700 N 360
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2021-09-01	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78746
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.383667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	1.2
Driller Address 2:		Longitude:	-97.717667
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	3.6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			

Wells and Additional Sources Detail Report

Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet
 Comments:
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	ENE	0.55	2,883.69	758.16	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146118	Well City:	Austin
Well Rpt Track No:	362819	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B5
No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-04-22	Owner City:	Gilroy
Orig License No:	2897	Owner State:	CA
Orig Driller Name:	Amador Hinojosa	Owner Zip:	95020
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2014-04-22	County:	Travis
Apprentice Reg No:		Latitude:	30.390278
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Rd. B-2	Lat Second:	25
Driller Address 2:		Longitude:	-97.718889
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78769	Long Second:	8
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:	759	Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:	Austin Geo-Logic		
Plugging Method:	Unknown		
Comments:	water level: Dry		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.55	2,923.06	753.31	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146115	Well City:	Austin
Well Rpt Track No:	362815	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B2

Wells and Additional Sources Detail Report

No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-04-22	Owner City:	Gilroy
Orig License No:	2897	Owner State:	CA
Orig Driller Name:	Amador Hinojosa	Owner Zip:	95020
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2014-04-22	County:	Travis
Apprentice Reg No:		Latitude:	30.389445
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Rd. B-2	Lat Second:	22
Driller Address 2:		Longitude:	-97.718333
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78769	Long Second:	6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:	751	Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:	Austin Geo-Logic		
Plugging Method:	Unknown		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.55	2,923.06	753.31	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146114	Well City:	Austin
Well Rpt Track No:	362813	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B1
No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-04-22	Owner City:	Gilroy
Orig License No:	2897	Owner State:	CA
Orig Driller Name:	Amador Hinojosa	Owner Zip:	95020
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2014-04-22	County:	Travis
Apprentice Reg No:		Latitude:	30.389445
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23

Wells and Additional Sources Detail Report

Driller Address 1:	5222 Thunder Creek Rd. B-2	Lat Second:	22
Driller Address 2:		Longitude:	-97.718333
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78769	Long Second:	6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:	754	Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:	Austin Geo-Logic		
Plugging Method:	Unknown		
Comments:	water level: Dry		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	N	0.55	2,883.20	785.71	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22639	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 120
No Wells Plugged:		Owner Name:	Multech Community Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-14	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Associated Drilling Co	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1987-10-12	County:	Travis
Apprentice Reg No:		Latitude:	30.395
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	42
Driller Address 2:		Longitude:	-97.729167
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	45
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			

Wells and Additional Sources Detail Report

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	E	0.59	3,115.88	743.88	PLUGGED WELLS

License No:	54616	Well Address 1:	10300 Metropolitan
Variance No:		Well Address 2:	
Plug Rpt Track No:	208273	Well City:	Austin
Well Rpt Track No:		Well Zip:	78729
Date Submitted:	2021-04-12	Owner Well No:	MW-3
No Wells Plugged:	1	Owner Name:	CREA Capital
Plugging Name:		Owner Address 1:	1601 S Mopac
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2021-04-05	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78746
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.384956
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	5.84
Driller Address 2:		Longitude:	-97.717353
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	2.47
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	ENE	0.57	3,002.58	748.29	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146120	Well City:	Austin
Well Rpt Track No:	362822	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B7
No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way

Wells and Additional Sources Detail Report

Plugging Mtd Descr: Plugging Date: 2014-04-22 Orig License No: 2897 Orig Driller Name: Amador Hinojosa Original Well Use: Environmental Soil Boring Orig Wel Use Descr: Orig Drill Date: 2014-04-22 Apprentice Reg No: Apprentice Signed: Driller Signed: Amador Hinojosa Driller Address 1: 5222 Thunder Creek Rd. B-2 Driller Address 2: Driller City: Austin Driller State: TX Driller Zip: 78769 Driller Oth Cntry: Driller Country: Elevation: 750 Company Name: Austin Geo-Logic Original Company Name: Austin Geo-Logic Plugging Method: Unknown Comments: water level: Dry Well Location Description:	Owner Address 2: Owner City: Gilroy Owner State: CA Owner Zip: 95020 Owner Oth Cntry: Owner Country: County: Travis Latitude: 30.388611 Lat Degree: 30 Lat Minute: 23 Lat Second: 19 Longitude: -97.717778 Long Degree: 97 Long Minute: 43 Long Second: 4 Hor Datum Type: Grid No: 58-35-7 Loc Verfd by Drllr: No
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No: 4868 Variance No: Plug Rpt Track No: 37952 Well Rpt Track No: Date Submitted: 2007-04-25 No Wells Plugged: Plugger Name: James E. Neal Plugging Mtd Descr: Plugging Date: 2007-04-03 Orig License No: Orig Driller Name: Original Well Use: Monitor Orig Wel Use Descr: Orig Drill Date: Apprentice Reg No: Apprentice Signed: Driller Signed: James E. Neal Driller Address 1: 4412 Bluemel Road Driller Address 2:	Well Address 1: 9315 McNeil Road Well Address 2: Well City: Austin Well Zip: 78758 Owner Well No: MW-2DB Owner Name: Capital Metro. Trans. Auth. Owner Address 1: 2910 East 5th Street Owner Address 2: Owner City: Austin Owner State: TX Owner Zip: 78702 Owner Oth Cntry: Owner Country: County: Travis Latitude: 30.376111 Lat Degree: 30 Lat Minute: 22 Lat Second: 34 Longitude: -97.725
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Wells and Additional Sources Detail Report

Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No:	4868	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	37953	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-04-25	Owner Well No:	MW-22
No Wells Plugged:		Owner Name:	Capital Metro. Trans. Auth.
Plugging Name:	James E. Neal	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-04-03	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.376111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	James E. Neal	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	34
Driller Address 2:		Longitude:	-97.725
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

108 SSE 0.57 3,013.50 754.72 PLUGGED WELLS

License No:	4868	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	37949	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-04-25	Owner Well No:	MW-20
No Wells Plugged:		Owner Name:	Capital Metro. Trans. Auth.
Plugging Name:	James E. Neal	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-04-03	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.376111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	James E. Neal	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	34
Driller Address 2:		Longitude:	-97.725
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No:	4868	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	37950	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-04-25	Owner Well No:	MW-21
No Wells Plugged:		Owner Name:	Capital Metro. Trans. Auth.
Plugging Name:	James E. Neal	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-04-03	Owner City:	Austin

Wells and Additional Sources Detail Report

Orig License No:	Owner State:	TX
Orig Driller Name:	Owner Zip:	78702
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.376111
Apprentice Signed:	Lat Degree:	30
Driller Signed: James E. Neal	Lat Minute:	22
Driller Address 1: 4412 Bluemel Road	Lat Second:	34
Driller Address 2:	Longitude:	-97.725
Driller City: San Antonio	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78240	Long Second:	30
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Vortex Drilling, Inc.		
Original Company Name:		
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No: 4868	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 37954	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2007-04-25	Owner Well No: MW-23
No Wells Plugged:	Owner Name: Capital Metro. Trans. Auth.
Plugging Name: James E. Neal	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2007-04-03	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.376111
Apprentice Signed:	Lat Degree: 30
Driller Signed: James E. Neal	Lat Minute: 22
Driller Address 1: 4412 Bluemel Road	Lat Second: 34
Driller Address 2:	Longitude: -97.725
Driller City: San Antonio	Long Degree: 97
Driller State: TX	Long Minute: 43

Wells and Additional Sources Detail Report

Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No:	4868	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	37951	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-04-25	Owner Well No:	MW-7
No Wells Plugged:		Owner Name:	Capital Metro. Trans. Auth.
Plugging Name:	James E. Neal	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-04-03	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.376111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	James E. Neal	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	34
Driller Address 2:		Longitude:	-97.725
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No: 4868	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 37947	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2007-04-25	Owner Well No: MW-2SB
No Wells Plugged:	Owner Name: Capital Metro. Trans. Auth.
Plugging Name: James E. Neal	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2007-04-03	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.376111
Apprentice Signed:	Lat Degree: 30
Driller Signed: James E. Neal	Lat Minute: 22
Driller Address 1: 4412 Bluemel Road	Lat Second: 34
Driller Address 2:	Longitude: -97.725
Driller City: San Antonio	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78240	Long Second: 30
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Vortex Drilling, Inc.	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	SSE	0.57	3,013.50	754.72	PLUGGED WELLS

License No: 4868	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 37948	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2007-04-25	Owner Well No: MW-4
No Wells Plugged:	Owner Name: Capital Metro. Trans. Auth.
Plugging Name: James E. Neal	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2007-04-03	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78702

Wells and Additional Sources Detail Report

Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.376111
Apprentice Signed:		Lat Degree:	30
Driller Signed:	James E. Neal	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	34
Driller Address 2:		Longitude:	-97.725
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ENE	0.60	3,159.52	754.22	PLUGGED WELLS

License No:	2897	Well Address 1:	2501 W. Braker Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	146119	Well City:	Austin
Well Rpt Track No:	362821	Well Zip:	78758
Date Submitted:	2014-05-16	Owner Well No:	B6
No Wells Plugged:		Owner Name:	Coastal Rim Properties
Plugging Name:	Amador Hinojosa	Owner Address 1:	7610 Isabella Way
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-04-22	Owner City:	Gilroy
Orig License No:	2897	Owner State:	CA
Orig Driller Name:	Amador Hinojosa	Owner Zip:	95020
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2014-04-22	County:	Travis
Apprentice Reg No:		Latitude:	30.39
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Rd. B-2	Lat Second:	24
Driller Address 2:		Longitude:	-97.717778
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78769	Long Second:	4
Driller Oth Cntry:		Hor Datum Type:	

Wells and Additional Sources Detail Report

Driller Country:		Grid No:	58-35-7
Elevation:	755	Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:	Austin Geo-Logic		
Plugging Method:	Unknown		
Comments:	water level: Dry		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	SSE	0.59	3,132.89	761.12	PLUGGED WELLS

License No:	5003	Well Address 1:	9200 Burnet Rd.
Variance No:		Well Address 2:	
Plug Rpt Track No:	69494	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2011-02-14	Owner Well No:	MW# 1,3
No Wells Plugged:		Owner Name:	7-Eleven # 34251
Plugging Name:	Jon Storm	Owner Address 1:	9200 Burnet Rd.
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2011-02-07	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	N/A	Owner Zip:	78751
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.375555
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Jon M. Storm	Lat Minute:	22
Driller Address 1:	5066 Brush Creek Rd.	Lat Second:	32
Driller Address 2:		Longitude:	-97.725833
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	76119	Long Second:	33
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Strata Core Drilling Co.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	SSE	0.59	3,132.89	761.12	PLUGGED WELLS

License No:	5003	Well Address 1:	9200 Burnet Rd.
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Wells and Additional Sources Detail Report

Variance No: Plug Rpt Track No: 69495 Well Rpt Track No: Date Submitted: 2011-02-14 No Wells Plugged: Plugger Name: Jon Storm Plugging Mtd Descr: Plugging Date: 2011-02-07 Orig License No: Orig Driller Name: N/A Original Well Use: Monitor Orig Wel Use Descr: Orig Drill Date: Apprentice Reg No: Apprentice Signed: Driller Signed: Jon M. Storm Driller Address 1: 5066 Brush Creek Rd. Driller Address 2: Driller City: Fort Worth Driller State: TX Driller Zip: 76119 Driller Oth Cntry: Driller Country: Elevation: Company Name: Strata Core Drilling Co. Original Company Name: Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet Comments: No Data Well Location Description:	Well Address 2: Well City: Austin Well Zip: 78758 Owner Well No: MW# 2 Owner Name: 7-Eleven # 34251 Owner Address 1: 9200 Burnet Rd. Owner Address 2: Owner City: Austin Owner State: TX Owner Zip: 78751 Owner Oth Cntry: Owner Country: County: Travis Latitude: 30.375555 Lat Degree: 30 Lat Minute: 22 Lat Second: 32 Longitude: -97.725833 Long Degree: 97 Long Minute: 43 Long Second: 33 Hor Datum Type: Grid No: 58-35-7 Loc Verfd by Drllr: No
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	NNE	0.62	3,252.81	794.89	PLUGGED WELLS

License No: 54437 Variance No: Plug Rpt Track No: 47435 Well Rpt Track No: Date Submitted: 2008-05-01 No Wells Plugged: Plugger Name: Fred Smith Plugging Mtd Descr: Plugging Date: 2008-04-03 Orig License No: Orig Driller Name: Harrison Water Well Original Well Use: Monitor Orig Wel Use Descr:	Well Address 1: 11400 N Burnet Rd Well Address 2: Well City: Austin Well Zip: 78758 Owner Well No: 101 Owner Name: Chasco Constructors Owner Address 1: PO Box 1057 Owner Address 2: Owner City: Round Rock Owner State: TX Owner Zip: 78680 Owner Oth Cntry: Owner Country:
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Wells and Additional Sources Detail Report

Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.395278
Apprentice Signed:	Lat Degree:	30
Driller Signed: Fred Smith	Lat Minute:	23
Driller Address 1: PO Box 525	Lat Second:	43
Driller Address 2:	Longitude:	-97.724167
Driller City: Dripping Springs	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78620	Long Second:	27
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Whisenant & Lyle Water Services, Inc.		
Original Company Name:		
Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	NNE	0.62	3,252.81	794.89	PLUGGED WELLS

License No: 54437	Well Address 1:	11400 Burnet Rd
Variance No:	Well Address 2:	
Plug Rpt Track No: 47436	Well City:	Austin
Well Rpt Track No:	Well Zip:	78758
Date Submitted: 2008-05-01	Owner Well No:	96
No Wells Plugged:	Owner Name:	Chasco Constructors
Plugging Name: Fred Smith	Owner Address 1:	PO Box 1057
Plugging Mtd Descr:	Owner Address 2:	
Plugging Date: 2008-04-03	Owner City:	Round Rock
Orig License No:	Owner State:	TX
Orig Driller Name: Harrison Water Well	Owner Zip:	78680
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.395278
Apprentice Signed:	Lat Degree:	30
Driller Signed: Fred Smith	Lat Minute:	23
Driller Address 1: PO Box 525	Lat Second:	43
Driller Address 2:	Longitude:	-97.724167
Driller City: Dripping Springs	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78620	Long Second:	27
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No

Wells and Additional Sources Detail Report

Company Name: Whisenant & Lyle Water Services, Inc.
 Original Company Name:
 Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet
 Comments: No Data
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	NNE	0.62	3,283.34	795.74	PLUGGED WELLS

License No:	54616	Well Address 1:	2800 1/2 Kramer Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	171765	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2017-09-28	Owner Well No:	MW-4
No Wells Plugged:	1	Owner Name:	SP Austin LLC
Plugging Name:	Kevin Denson	Owner Address 1:	500 Stevens Avenue
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2017-09-21	Owner City:	Solana Beach
Orig License No:		Owner State:	CA
Orig Driller Name:		Owner Zip:	92075
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2017-09-21	County:	Travis
Apprentice Reg No:		Latitude:	30.395667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	44.4
Driller Address 2:		Longitude:	-97.725167
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	30.6
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	NNE	0.62	3,294.62	795.25	PLUGGED WELLS

License No:	54616	Well Address 1:	2800 1/2 Kramer Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	171764	Well City:	Austin

Wells and Additional Sources Detail Report

Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2017-09-28	Owner Well No: MW-3
No Wells Plugged: 1	Owner Name: SP Austin LLC
Plugging Name: Kevin Denson	Owner Address 1: 500 Stevens Avenue
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2017-09-21	Owner City: Solana Beach
Orig License No:	Owner State: CA
Orig Driller Name:	Owner Zip: 92075
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.3955
Apprentice Signed:	Lat Degree: 30
Driller Signed: Kevin Denson	Lat Minute: 23
Driller Address 1: 5307 Industrial Oaks	Lat Second: 43.8
Driller Address 2:	Longitude: -97.7245
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 28.2
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: Yes
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	NNE	0.63	3,305.28	795.18	PLUGGED WELLS

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22525	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 102
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-06	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.395834

Wells and Additional Sources Detail Report

Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second: 45
Driller Address 2:	Longitude: -97.725555
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78748	Long Second: 32
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Hinojosa Water Well Services	
Original Company Name:	
Plugging Method: Tremmie pipe cement from bottom to top	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	NNE	0.65	3,405.81	794.24	PLUGGED WELLS

License No: 2525	Well Address 1: 11400 BURNET RD.
Variance No:	Well Address 2:
Plug Rpt Track No: 6518	Well City: AUSTIN
Well Rpt Track No:	Well Zip:
Date Submitted: 2002-05-29	Owner Well No: MW-128
No Wells Plugged:	Owner Name: JER-BRE AUSTIN TECH L.P.
Plugger Name: LEE GEBBERT	Owner Address 1: 100 CONGRESS AVE. STE 1310
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2002-02-28	Owner City: AUSTIN
Orig License No:	Owner State: TX
Orig Driller Name: ASSOCIATED DRILLING	Owner Zip: 78701
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 1987-10-16	County: Travis
Apprentice Reg No:	Latitude: 30.395556
Apprentice Signed:	Lat Degree: 30
Driller Signed: LEE GEBBERT	Lat Minute: 23
Driller Address 1: 8834 CIRCLE DR.	Lat Second: 44
Driller Address 2:	Longitude: -97.723611
Driller City: AUSTIN	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78736	Long Second: 25
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: GEOPROJECTS INTERNATIONAL, INC.	
Original Company Name:	

Wells and Additional Sources Detail Report

Plugging Method: Tremmie pipe cement from bottom to top
 Comments: ENTERED BY WLS
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	NNE	0.65	3,405.81	794.24	PLUGGED WELLS

License No:	2525	Well Address 1:	11400 BURNET RD.
Variance No:		Well Address 2:	
Plug Rpt Track No:	6517	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	
Date Submitted:	2002-05-29	Owner Well No:	MW-29
No Wells Plugged:		Owner Name:	JER-BRE AUSTIN TECH L.P.
Plugging Name:	LEE GEBBERT	Owner Address 1:	100 CONGRESS AVE. STE 1310
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2002-02-28	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:	ASSOCIATED DRILLING	Owner Zip:	78701
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1987-10-16	County:	Travis
Apprentice Reg No:		Latitude:	30.395556
Apprentice Signed:		Lat Degree:	30
Driller Signed:	LEE GEBBERT	Lat Minute:	23
Driller Address 1:	8834 CIRCLE DR.	Lat Second:	44
Driller Address 2:		Longitude:	-97.723611
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	25
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTERNATIONAL, INC.		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	ENTERED BY WLS		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NNE	0.65	3,443.80	795.09	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47388	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-04-30	Owner Well No:	20

Wells and Additional Sources Detail Report

No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.395834
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	45
Driller Address 2:		Longitude:	-97.724167
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	27
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	E	0.67	3,532.93	740.93	PLUGGED WELLS

License No:	2897	Well Address 1:	2210 Denton Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92130	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-14	Owner Well No:	MW5
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-08	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.386945
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23

Wells and Additional Sources Detail Report

Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	13
Driller Address 2:		Longitude:	-97.715834
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	78759	Long Second:	57
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	NNE	0.66	3,466.37	795.37	PLUGGED WELLS

License No:	54616	Well Address 1:	2800 1/2 Kramer Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	171762	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2017-09-28	Owner Well No:	MW-2
No Wells Plugged:	1	Owner Name:	SP Austin LLC
Plugging Name:	Kevin Denson	Owner Address 1:	500 Stevens Avenue
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2017-09-21	Owner City:	Solana Beach
Orig License No:		Owner State:	CA
Orig Driller Name:		Owner Zip:	92075
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	45.6
Driller Address 2:		Longitude:	-97.7245
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	28.2
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			

Wells and Additional Sources Detail Report

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	NNE	0.66	3,498.17	793.22	PLUGGED WELLS

License No:	2525	Well Address 1:	1140 BURNET RD.
Variance No:		Well Address 2:	
Plug Rpt Track No:	5721	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	
Date Submitted:	2002-03-28	Owner Well No:	MW 60
No Wells Plugged:		Owner Name:	JER-BRE AUSTIN TECH
Plugging Name:	LEE GEBBERT	Owner Address 1:	100 CONGRESS, STE 1310
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2002-01-15	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:	HARRISON WATER WELLS	Owner Zip:	78701
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-03-01	County:	Travis
Apprentice Reg No:		Latitude:	30.395556
Apprentice Signed:		Lat Degree:	30
Driller Signed:	LEE GEBBERT	Lat Minute:	23
Driller Address 1:	8834 CIRCLE DR.	Lat Second:	44
Driller Address 2:		Longitude:	-97.722778
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	22
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTL		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	ENTERED BY DG		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	NNE	0.66	3,498.17	793.22	PLUGGED WELLS

License No:	2525	Well Address 1:	1140 BURNET RD.
Variance No:		Well Address 2:	
Plug Rpt Track No:	5720	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	
Date Submitted:	2002-03-28	Owner Well No:	MW 129
No Wells Plugged:		Owner Name:	JER-BRE AUSTIN TECH
Plugging Name:	LEE GEBBERT	Owner Address 1:	100 CONGRESS, STE 1310

Wells and Additional Sources Detail Report

Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2002-01-15	Owner City: AUSTIN
Orig License No:	Owner State: TX
Orig Driller Name: ASSOCIATED DRILLING	Owner Zip: 78701
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 1987-10-16	County: Travis
Apprentice Reg No:	Latitude: 30.395556
Apprentice Signed:	Lat Degree: 30
Driller Signed: LEE GEBBERT	Lat Minute: 23
Driller Address 1: 8834 CIRCLE DR.	Lat Second: 44
Driller Address 2:	Longitude: -97.722778
Driller City: AUSTIN	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78736	Long Second: 22
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: GEOPROJECTS INTL	
Original Company Name:	
Plugging Method: Tremmie pipe cement from bottom to top	
Comments: ENTERED BY DG	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	NNE	0.66	3,498.17	793.22	PLUGGED WELLS

License No: 2525	Well Address 1: 1140 BURNET RD.
Variance No:	Well Address 2:
Plug Rpt Track No: 5722	Well City: AUSTIN
Well Rpt Track No:	Well Zip:
Date Submitted: 2002-03-28	Owner Well No: MW 59
No Wells Plugged:	Owner Name: JER-BRE AUSTIN TECH
Plugging Name: LEE GEBBERT	Owner Address 1: 100 CONGRESS, STE 1310
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2002-01-15	Owner City: AUSTIN
Orig License No:	Owner State: TX
Orig Driller Name: HARRISON WATER WELLS	Owner Zip: 78701
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 1985-02-21	County: Travis
Apprentice Reg No:	Latitude: 30.395556
Apprentice Signed:	Lat Degree: 30
Driller Signed: LEE GEBBERT	Lat Minute: 23
Driller Address 1: 8834 CIRCLE DR.	Lat Second: 44
Driller Address 2:	Longitude: -97.722778

Wells and Additional Sources Detail Report

Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	22
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTL		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	ENTERED BY DG		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	NNE	0.67	3,523.45	794.44	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22527	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 105
No Wells Plugged:		Owner Name:	Multeck Community Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington St
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-08	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	47
Driller Address 2:		Longitude:	-97.725278
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	31
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

135 N 0.67 3,540.05 791.12 PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22528	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 136
No Wells Plugged:		Owner Name:	Multeck Community Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington St
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-08	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	48
Driller Address 2:		Longitude:	-97.726389
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	35
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
138	ENE	0.69	3,669.24	747.78	PLUGGED WELLS

License No:	2897	Well Address 1:	2200 Denton Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92131	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-14	Owner Well No:	MW6
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2014-01-08	Owner City:	Austin

Wells and Additional Sources Detail Report

Orig License No:	Owner State: TX
Orig Driller Name: unknown	Owner Zip: 78758
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.388334
Apprentice Signed:	Lat Degree: 30
Driller Signed: Amador Hinojosa	Lat Minute: 23
Driller Address 1: 5222 Thunder Creek Road, Ste B	Lat Second: 18
Driller Address 2:	Longitude: -97.715556
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 42
Driller Zip: 78759	Long Second: 56
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Austin Geo-Logic	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	NNE	0.69	3,645.64	794.16	PLUGGED WELLS

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22526	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 104
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-08	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.396667
Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second: 48
Driller Address 2:	Longitude: -97.725
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43

Wells and Additional Sources Detail Report

Driller Zip:	78748	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NNE	0.69	3,663.19	794.45	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47408	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	106
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396389
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	47
Driller Address 2:		Longitude:	-97.723889
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	26
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
141	N	0.69	3,639.48	790.65	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22522	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 75
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-08	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.396945
Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second: 49
Driller Address 2:	Longitude: -97.726389
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78748	Long Second: 35
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Hinojosa Water Well Services	
Original Company Name:	
Plugging Method: Tremmie pipe cement from bottom to top	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNE	0.70	3,672.68	794.48	PLUGGED WELLS

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22524	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 98
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-06	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204

Wells and Additional Sources Detail Report

Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	48
Driller Address 2:		Longitude:	-97.724722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	29
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
144	NE	0.70	3,672.58	780.64	PLUGGED WELLS

License No:	54611	Well Address 1:	11005 Burnett Rd.
Variance No:		Well Address 2:	
Plug Rpt Track No:	133499	Well City:	Austin
Well Rpt Track No:	271537	Well Zip:	
Date Submitted:	2011-11-14	Owner Well No:	B1
No Wells Plugged:		Owner Name:	Capitol Food Mart
Plugging Name:	Brian Kern	Owner Address 1:	11005 Burnett Rd.
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2011-10-25	Owner City:	Austin
Orig License No:	54611	Owner State:	TX
Orig Driller Name:	Brian Kern	Owner Zip:	
Original Well Use:	Environmental Soil Boring	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2011-10-25	County:	Travis
Apprentice Reg No:		Latitude:	30.394722
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Brian Kern	Lat Minute:	23
Driller Address 1:	P.O. Box 81621	Lat Second:	41
Driller Address 2:		Longitude:	-97.72
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78708	Long Second:	12
Driller Oth Cntry:		Hor Datum Type:	

Wells and Additional Sources Detail Report

Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name:	Total Support Services	
Original Company Name:	Total Support Services	
Plugging Method:	Unknown	
Comments:		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
145	SSW	0.69	3,668.40	752.29	PLUGGED WELLS

License No:	54616	Well Address 1:	9150 Research Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	47919	Well City:	Austin
Well Rpt Track No:		Well Zip:	78757
Date Submitted:	2008-05-30	Owner Well No:	MW-2
No Wells Plugged:		Owner Name:	Group 1 Automotive, Inc.
Plugging Name:	Kevin Denson	Owner Address 1:	950 Echo Lane, Suite 100
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-03-22	Owner City:	Houston
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	77024
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.374167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	27
Driller Address 2:		Longitude:	-97.731111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	52
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
148	NNE	0.71	3,758.69	794.22	PLUGGED WELLS

License No:	54616	Well Address 1:	2800 1/2 Kramer Lane
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Wells and Additional Sources Detail Report

Variance No:	Well Address 2:
Plug Rpt Track No: 103739	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2015-08-11	Owner Well No: MW-1
No Wells Plugged:	Owner Name: Endeavor Real Estate
Plugger Name: Kevin Denson	Owner Address 1: 500 West 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2015-07-26	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78701
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.396667
Apprentice Signed:	Lat Degree: 30
Driller Signed: Kevin Denson	Lat Minute: 23
Driller Address 1: 5307 Industrial Oaks	Lat Second: 48
Driller Address 2:	Longitude: -97.723889
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 26
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
149	E	0.74	3,883.16	739.02	PLUGGED WELLS

License No: 2897	Well Address 1: 2120 Denton Drive
Variance No:	Well Address 2:
Plug Rpt Track No: 92129	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2014-01-14	Owner Well No: MW4
No Wells Plugged:	Owner Name: Industrial Properties, LLC
Plugger Name: Amador Hinojosa	Owner Address 1: 2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2014-01-08	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: unknown	Owner Zip: 78758
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:

Wells and Additional Sources Detail Report

Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.386389
Apprentice Signed:	Lat Degree:	30
Driller Signed: Amador Hinojosa	Lat Minute:	23
Driller Address 1: 5222 Thunder Creek Road, Ste B	Lat Second:	11
Driller Address 2:	Longitude:	-97.714723
Driller City: Austin	Long Degree:	97
Driller State: TX	Long Minute:	42
Driller Zip: 78759	Long Second:	53
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Austin Geo-Logic		
Original Company Name:		
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
150	N	0.71	3,754.81	791.01	PLUGGED WELLS

License No: 3127	Well Address 1:	11400 Burnet Rd
Variance No:	Well Address 2:	
Plug Rpt Track No: 22523	Well City:	Austin
Well Rpt Track No:	Well Zip:	78758
Date Submitted: 2005-02-18	Owner Well No:	MW 76
No Wells Plugged:	Owner Name:	Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1:	115 West Washington St
Plugging Mtd Descr:	Owner Address 2:	
Plugging Date: 2005-02-08	Owner City:	Indianapolis
Orig License No:	Owner State:	IN
Orig Driller Name:	Owner Zip:	46204
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.397222
Apprentice Signed:	Lat Degree:	30
Driller Signed: Benito Hinojosa	Lat Minute:	23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second:	50
Driller Address 2:	Longitude:	-97.726111
Driller City: Austin	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78748	Long Second:	34
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No

Wells and Additional Sources Detail Report

Company Name: Hinojosa Water Well Services
 Original Company Name:
 Plugging Method: Tremmie pipe cement from bottom to top
 Comments:
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
151	N	0.71	3,772.95	791.77	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22518	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 15
No Wells Plugged:		Owner Name:	Multeck Community Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-08	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.397222
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	50
Driller Address 2:		Longitude:	-97.725833
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	33
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	Well log states TD is 167'. Actual TD is 45'.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
152	NNE	0.72	3,804.23	793.99	PLUGGED WELLS

License No:	54616	Well Address 1:	3100 Kramer Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	162277	Well City:	Austin

Wells and Additional Sources Detail Report

Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2016-09-22	Owner Well No: MW-2
No Wells Plugged: 1	Owner Name: Greystar GP II, LLC
Plugging Name: Kevin Denson	Owner Address 1: 6300 Bridgepoint Parkway
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2016-09-21	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78730
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.396833
Apprentice Signed:	Lat Degree: 30
Driller Signed: Kevin Denson	Lat Minute: 23
Driller Address 1: 5307 Industrial Oaks	Lat Second: 48.6
Driller Address 2:	Longitude: -97.724
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 26.4
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: Yes
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments:	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
153	S	0.71	3,745.70	752.85	PLUGGED WELLS

License No: 54616	Well Address 1: 9150 Research Boulevard
Variance No:	Well Address 2:
Plug Rpt Track No: 47923	Well City: Austin
Well Rpt Track No:	Well Zip: 78757
Date Submitted: 2008-05-30	Owner Well No: EW-1
No Wells Plugged:	Owner Name: Group 1 Automotive, Inc.
Plugging Name: Kevin Denson	Owner Address 1: 950 Echo Lane, Suite 100
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2008-03-22	Owner City: Houston
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 77024
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.373889

Wells and Additional Sources Detail Report

Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 22
Driller Address 1: 5307 Industrial Oaks	Lat Second: 26
Driller Address 2:	Longitude: -97.730833
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 51
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-43-1
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No: 54776	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 64891	Well City: Austin
Well Rpt Track No: 194171	Well Zip: 78758
Date Submitted: 2010-07-20	Owner Well No: MW-30
No Wells Plugged:	Owner Name: Capital Metro Trans. Auth.
Plugger Name: Robert Joiner	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2010-07-15	Owner City: Austin
Orig License No: 4868	Owner State: TX
Orig Driller Name: James E. Neal	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 2009-09-03	County: Travis
Apprentice Reg No:	Latitude: 30.375
Apprentice Signed:	Lat Degree: 30
Driller Signed: Robert Jonier	Lat Minute: 22
Driller Address 1: 4412 Bluemel Road	Lat Second: 30
Driller Address 2:	Longitude: -97.721944
Driller City: San Antonio	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78240	Long Second: 19
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Vortex Drilling, Inc.	
Original Company Name:	

Wells and Additional Sources Detail Report

Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet
 Comments: No Data
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64896	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-1-B-S
No Wells Plugged:		Owner Name:	Capital Metro Trans. Auth.
Plugging Name:	Robert Joiner	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2010-07-15	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.375
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Robert Jonier	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	30
Driller Address 2:		Longitude:	-97.721944
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64895	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-1-B-D

Wells and Additional Sources Detail Report

No Wells Plugged:	Owner Name:	Capital Metro Trans. Auth.
Plugging Name: Robert Joiner	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:	
Plugging Date: 2010-07-15	Owner City:	Austin
Orig License No:	Owner State:	TX
Orig Driller Name:	Owner Zip:	78702
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.375
Apprentice Signed:	Lat Degree:	30
Driller Signed: Robert Jonier	Lat Minute:	22
Driller Address 1: 4412 Bluemel Road	Lat Second:	30
Driller Address 2:	Longitude:	-97.721944
Driller City: San Antonio	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78240	Long Second:	19
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Vortex Drilling, Inc.		
Original Company Name:		
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No: 54776	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 64893	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2010-07-20	Owner Well No: MW-14B
No Wells Plugged:	Owner Name: Capital Metro Trans. Auth.
Plugging Name: Robert Joiner	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2010-07-15	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.375
Apprentice Signed:	Lat Degree: 30
Driller Signed: Robert Jonier	Lat Minute: 22

Wells and Additional Sources Detail Report

Driller Address 1:	4412 Bluemel Road	Lat Second:	30
Driller Address 2:		Longitude:	-97.721944
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64892	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-13B
No Wells Plugged:		Owner Name:	Capital Metro Trans. Auth.
Plugging Name:	Robert Joiner	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2010-07-15	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.375
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Robert Jonier	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	30
Driller Address 2:		Longitude:	-97.721944
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		

Wells and Additional Sources Detail Report

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64890	Well City:	Austin
Well Rpt Track No:	194174	Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-31
No Wells Plugged:		Owner Name:	Capital Metro Trans. Auth.
Plugger Name:	Robert Joiner	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2010-07-15	Owner City:	Austin
Orig License No:	4868	Owner State:	TX
Orig Driller Name:	James E. Neal	Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2009-09-03	County:	Travis
Apprentice Reg No:		Latitude:	30.375
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Robert Jonier	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	30
Driller Address 2:		Longitude:	-97.721944
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64888	Well City:	Austin
Well Rpt Track No:	194188	Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-33
No Wells Plugged:		Owner Name:	Capital Metro Trans. Auth.
Plugger Name:	Robert Joiner	Owner Address 1:	2910 East 5th Street

Wells and Additional Sources Detail Report

Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2010-07-15	Owner City: Austin
Orig License No: 4868	Owner State: TX
Orig Driller Name: James E. Neal	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 2009-09-04	County: Travis
Apprentice Reg No:	Latitude: 30.375
Apprentice Signed:	Lat Degree: 30
Driller Signed: Robert Jonier	Lat Minute: 22
Driller Address 1: 4412 Bluemel Road	Lat Second: 30
Driller Address 2:	Longitude: -97.721944
Driller City: San Antonio	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78240	Long Second: 19
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Vortex Drilling, Inc.	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No: 54776	Well Address 1: 9315 McNeil Road
Variance No:	Well Address 2:
Plug Rpt Track No: 64894	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2010-07-20	Owner Well No: MW-15B
No Wells Plugged:	Owner Name: Capital Metro Trans. Auth.
Plugging Name: Robert Joiner	Owner Address 1: 2910 East 5th Street
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2010-07-15	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name:	Owner Zip: 78702
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.375
Apprentice Signed:	Lat Degree: 30
Driller Signed: Robert Jonier	Lat Minute: 22
Driller Address 1: 4412 Bluemel Road	Lat Second: 30
Driller Address 2:	Longitude: -97.721944

Wells and Additional Sources Detail Report

Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	PLUGGED WELLS

License No:	54776	Well Address 1:	9315 McNeil Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	64889	Well City:	Austin
Well Rpt Track No:	194178	Well Zip:	78758
Date Submitted:	2010-07-20	Owner Well No:	MW-32
No Wells Plugged:		Owner Name:	Capital Metro Trans. Auth.
Plugging Name:	Robert Joiner	Owner Address 1:	2910 East 5th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2010-07-15	Owner City:	Austin
Orig License No:	4868	Owner State:	TX
Orig Driller Name:	James E. Neal	Owner Zip:	78702
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2009-09-04	County:	Travis
Apprentice Reg No:		Latitude:	30.375
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Robert Jonier	Lat Minute:	22
Driller Address 1:	4412 Bluemel Road	Lat Second:	30
Driller Address 2:		Longitude:	-97.721944
Driller City:	San Antonio	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78240	Long Second:	19
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Vortex Drilling, Inc.		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

155 S 0.71 3,766.30 752.41 PLUGGED WELLS

License No:	54616	Well Address 1:	9150 Research Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	47918	Well City:	Austin
Well Rpt Track No:		Well Zip:	78757
Date Submitted:	2008-05-30	Owner Well No:	MW-1
No Wells Plugged:		Owner Name:	Group 1 Automotive, Inc.
Plugging Name:	Kevin Denson	Owner Address 1:	950 Echo Lane, Suite 100
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-03-22	Owner City:	Houston
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	77024
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.373889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	26
Driller Address 2:		Longitude:	-97.731111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	52
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
156	N	0.72	3,794.89	788.16	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22521	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 69
No Wells Plugged:		Owner Name:	Multeck Community Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington St
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-09	Owner City:	Indianapolis

Wells and Additional Sources Detail Report

Orig License No:	Owner State:	IN
Orig Driller Name:	Owner Zip:	46204
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.3975
Apprentice Signed:	Lat Degree:	30
Driller Signed: Benito Hinojosa	Lat Minute:	23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second:	51
Driller Address 2:	Longitude:	-97.7275
Driller City: Austin	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78748	Long Second:	39
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name: Hinojosa Water Well Services		
Original Company Name:		
Plugging Method: Tremmie pipe cement from bottom to top		
Comments:		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
156	N	0.72	3,794.89	788.16	PLUGGED WELLS

License No: 3127	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 22519	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2005-02-18	Owner Well No: MW 17
No Wells Plugged:	Owner Name: Multeck Community Cntr, LP
Plugging Name: Benito Hinojosa	Owner Address 1: 115 West Washington St
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2005-02-09	Owner City: Indianapolis
Orig License No:	Owner State: IN
Orig Driller Name:	Owner Zip: 46204
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.3975
Apprentice Signed:	Lat Degree: 30
Driller Signed: Benito Hinojosa	Lat Minute: 23
Driller Address 1: 1811 Ralph C Craig Ln	Lat Second: 51
Driller Address 2:	Longitude: -97.7275
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43

Wells and Additional Sources Detail Report

Driller Zip:	78748	Long Second:	39
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
157	S	0.71	3,764.77	756.11	PLUGGED WELLS

License No:	54616	Well Address 1:	9150 Research Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	47921	Well City:	Austin
Well Rpt Track No:		Well Zip:	78757
Date Submitted:	2008-05-30	Owner Well No:	MW-4
No Wells Plugged:		Owner Name:	Group 1 Automotive, Inc.
Plugging Name:	Kevin Denson	Owner Address 1:	950 Echo Lane, Suite 100
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-03-22	Owner City:	Houston
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	77024
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.373611
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	25
Driller Address 2:		Longitude:	-97.729167
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	45
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
158	NNE	0.73	3,874.34	792.23	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47433	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	58
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugger Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.396667
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	48
Driller Address 2:		Longitude:	-97.722778
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	22
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
160	N	0.74	3,895.68	787.73	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22638	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 118
No Wells Plugged:		Owner Name:	Multech Community Center, LP
Plugger Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-14	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Associated Drilling Co	Owner Zip:	46204

Wells and Additional Sources Detail Report

Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1987-10-12	County:	Travis
Apprentice Reg No:		Latitude:	30.397778
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	52
Driller Address 2:		Longitude:	-97.7275
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	39
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
161	S	0.74	3,883.62	754.34	PLUGGED WELLS

License No:	54616	Well Address 1:	9150 Research Boulevard
Variance No:		Well Address 2:	
Plug Rpt Track No:	47922	Well City:	Austin
Well Rpt Track No:		Well Zip:	78757
Date Submitted:	2008-05-30	Owner Well No:	MW-5
No Wells Plugged:		Owner Name:	Group 1 Automotive, Inc.
Plugging Name:	Kevin Denson	Owner Address 1:	950 Echo Lane, Suite 100
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-03-22	Owner City:	Houston
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	77024
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.373333
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Mark Kevin Denson	Lat Minute:	22
Driller Address 1:	5307 Industrial Oaks	Lat Second:	24
Driller Address 2:		Longitude:	-97.729722
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	47
Driller Oth Cntry:		Hor Datum Type:	

Wells and Additional Sources Detail Report

Driller Country:	Grid No:	58-43-1
Elevation:	Loc Verfd by Drllr:	No
Company Name:	Terracon	
Original Company Name:		
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments:	No Data	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	NNE	0.75	3,958.70	793.26	PLUGGED WELLS

License No:	54616	Well Address 1:	3100 Kramer Lane
Variance No:		Well Address 2:	
Plug Rpt Track No:	162276	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2016-09-22	Owner Well No:	MW-1
No Wells Plugged:	1	Owner Name:	Greystar GP II, LLC
Plugging Name:	Kevin Denson	Owner Address 1:	6300 Bridgepoint Parkway
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2016-09-21	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78730
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.397333
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Kevin Denson	Lat Minute:	23
Driller Address 1:	5307 Industrial Oaks	Lat Second:	50.4
Driller Address 2:		Longitude:	-97.724167
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78735	Long Second:	27
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	Yes
Company Name:	Terracon		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	NNE	0.75	3,958.70	793.26	PLUGGED WELLS

License No:	54616	Well Address 1:	3100 Kramer Lane
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Wells and Additional Sources Detail Report

Variance No: Plug Rpt Track No: 162278 Well Rpt Track No: Date Submitted: 2016-09-22 No Wells Plugged: 1 Plugger Name: Plugging Mtd Descr: Plugging Date: 2016-09-21 Orig License No: Orig Driller Name: Original Well Use: Monitor Orig Wel Use Descr: Orig Drill Date: Apprentice Reg No: Apprentice Signed: Driller Signed: Kevin Denson Driller Address 1: 5307 Industrial Oaks Driller Address 2: Driller City: Austin Driller State: TX Driller Zip: 78735 Driller Oth Cntry: Driller Country: Elevation: Company Name: Terracon Original Company Name: Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet Comments: Well Location Description:	Well Address 2: Well City: Austin Well Zip: 78758 Owner Well No: MW-3 Owner Name: Greystar GP II, LLC Owner Address 1: 6300 Bridgepoint Parkway Owner Address 2: Owner City: Austin Owner State: TX Owner Zip: 78730 Owner Oth Cntry: Owner Country: County: Travis Latitude: 30.397333 Lat Degree: 30 Lat Minute: 23 Lat Second: 50.4 Longitude: -97.724167 Long Degree: 97 Long Minute: 43 Long Second: 27 Hor Datum Type: Grid No: 58-35-7 Loc Verfd by Drllr: Yes
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
163	S	0.74	3,895.61	753.66	PLUGGED WELLS

License No: 54616 Variance No: Plug Rpt Track No: 47920 Well Rpt Track No: Date Submitted: 2008-05-30 No Wells Plugged: Plugger Name: Kevin Denson Plugging Mtd Descr: Plugging Date: 2008-03-22 Orig License No: Orig Driller Name: Original Well Use: Monitor Orig Wel Use Descr:	Well Address 1: 9150 Research Boulevard Well Address 2: Well City: Austin Well Zip: 78757 Owner Well No: MW-3 Owner Name: Group 1 Automotive, Inc. Owner Address 1: 950 Echo Lane, Suite 100 Owner Address 2: Owner City: Houston Owner State: TX Owner Zip: 77024 Owner Oth Cntry: Owner Country:
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Wells and Additional Sources Detail Report

Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.373333
Apprentice Signed:	Lat Degree:	30
Driller Signed: Mark Kevin Denson	Lat Minute:	22
Driller Address 1: 5307 Industrial Oaks	Lat Second:	24
Driller Address 2:	Longitude:	-97.73
Driller City: Austin	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78735	Long Second:	48
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-43-1
Elevation:	Loc Verfd by Drllr:	No
Company Name: Terracon		
Original Company Name:		
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments: No Data		
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
164	NNE	0.75	3,960.90	792.94	PLUGGED WELLS

License No: 54437	Well Address 1:	11400 Burnet Rd
Variance No:	Well Address 2:	
Plug Rpt Track No: 47412	Well City:	Austin
Well Rpt Track No:	Well Zip:	78758
Date Submitted: 2008-05-01	Owner Well No:	103
No Wells Plugged:	Owner Name:	RREEF Domain Group
Plugging Name: Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:	Owner Address 2:	
Plugging Date: 2008-04-04	Owner City:	Austin
Orig License No:	Owner State:	TX
Orig Driller Name: Harrison Water Well	Owner Zip:	78758
Original Well Use: Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.3975
Apprentice Signed:	Lat Degree:	30
Driller Signed: Fred Smith	Lat Minute:	23
Driller Address 1: PO Box 525	Lat Second:	51
Driller Address 2:	Longitude:	-97.724722
Driller City: Dripping Springs	Long Degree:	97
Driller State: TX	Long Minute:	43
Driller Zip: 78620	Long Second:	29
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No

Wells and Additional Sources Detail Report

Company Name: Whisenant & Lyle Water Services, Inc.
 Original Company Name:
 Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet
 Comments: No Data
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	PLUGGED WELLS

License No:	2948	Well Address 1:	1822 Rutland Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	69045	Well City:	Austin
Well Rpt Track No:	83602	Well Zip:	78758
Date Submitted:	2011-01-18	Owner Well No:	MW-6
No Wells Plugged:		Owner Name:	Conoco Phillips
Plugging Name:	Edgar G. Alcala	Owner Address 1:	1822 Rutland Drive
Plugging Mtd Descr:	See Comments	Owner Address 2:	
Plugging Date:	2010-12-20	Owner City:	Austin
Orig License No:	3180	Owner State:	TX
Orig Driller Name:	John Egan Talbot	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2006-05-04	County:	Travis
Apprentice Reg No:	58101	Latitude:	30.380555
Apprentice Signed:	Edgar G. Alcala	Lat Degree:	30
Driller Signed:	Robert L. Flair	Lat Minute:	22
Driller Address 1:	2415 Cullen Street	Lat Second:	50
Driller Address 2:		Longitude:	-97.715278
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	76107	Long Second:	55
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Sunbelt Industrial Services, Inc.		
Original Company Name:			
Plugging Method:	Other		
Comments:	Removed all PVC well casing from 0-25' of well. Plugged with 2 bags of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	PLUGGED WELLS

License No:	2948	Well Address 1:	1822 Rutland Drive
Variance No:		Well Address 2:	

Wells and Additional Sources Detail Report

Plug Rpt Track No:	69044	Well City:	Austin
Well Rpt Track No:	83601	Well Zip:	78758
Date Submitted:	2011-01-18	Owner Well No:	MW-5
No Wells Plugged:		Owner Name:	Conoco Phillips
Plugging Name:	Edgar G. Alcala	Owner Address 1:	1822 Rutland Drive
Plugging Mtd Descr:	See Comments	Owner Address 2:	
Plugging Date:	2010-12-20	Owner City:	Austin
Orig License No:	3180	Owner State:	TX
Orig Driller Name:	John Egan Talbot	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2006-05-04	County:	Travis
Apprentice Reg No:	58101	Latitude:	30.380555
Apprentice Signed:	Edgar G. Alcala	Lat Degree:	30
Driller Signed:	Robert L. Flair	Lat Minute:	22
Driller Address 1:	2415 Cullen Street	Lat Second:	50
Driller Address 2:		Longitude:	-97.715278
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	76107	Long Second:	55
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Sunbelt Industrial Services, Inc.		
Original Company Name:			
Plugging Method:	Other		
Comments:	Removed all PVC well casing from 0-25' of well. Plugged with 2 bags of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	PLUGGED WELLS

License No:	2948	Well Address 1:	1822 Rutland Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	69043	Well City:	Austin
Well Rpt Track No:	83600	Well Zip:	78758
Date Submitted:	2011-01-18	Owner Well No:	MW-4
No Wells Plugged:		Owner Name:	Conoco Phillips
Plugging Name:	Edgar G. Alcala	Owner Address 1:	1822 Rutland Drive
Plugging Mtd Descr:	See Comments	Owner Address 2:	
Plugging Date:	2010-12-20	Owner City:	Austin
Orig License No:	3180	Owner State:	TX
Orig Driller Name:	John Egan Talbot	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2006-05-04	County:	Travis

Wells and Additional Sources Detail Report

Apprentice Reg No:	58101	Latitude:	30.380555
Apprentice Signed:	Edgar G. Alcala	Lat Degree:	30
Driller Signed:	Robert L. Flair	Lat Minute:	22
Driller Address 1:	2415 Cullen Street	Lat Second:	50
Driller Address 2:		Longitude:	-97.715278
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	76107	Long Second:	55
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Sunbelt Industrial Services, Inc.		
Original Company Name:			
Plugging Method:	Other		
Comments:	Removed all PVC well casing from 0-25' of well. Plugged with 2 bags of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface.		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
166	ENE	0.76	4,003.75	773.59	PLUGGED WELLS

License No:	2525	Well Address 1:	150FT. SOUTH OF BURNET & BRAKER EASTSIDE
Variance No:		Well Address 2:	
Plug Rpt Track No:	28740	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	78744
Date Submitted:	2005-11-30	Owner Well No:	MW-2
No Wells Plugged:		Owner Name:	CITY OF AUSTIN
Plugging Name:	LEE GEBBERT	Owner Address 1:	125 E.11TH STREET
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-03-11	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78701
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-07-15	County:	Travis
Apprentice Reg No:		Latitude:	30.390834
Apprentice Signed:		Lat Degree:	30
Driller Signed:	LEE GEBBERT	Lat Minute:	23
Driller Address 1:	8834 CIRCLE DRIVE	Lat Second:	27
Driller Address 2:		Longitude:	-97.715278
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	78736	Long Second:	55
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTERNATIONAL, INC		

Wells and Additional Sources Detail Report

Original Company Name:

Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet

Comments: No Data

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
167	NNE	0.76	4,016.07	792.99	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47427	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	100
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.3975
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	51
Driller Address 2:		Longitude:	-97.724167
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	27
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
168	N	0.76	3,996.48	787.43	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22636	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758

Wells and Additional Sources Detail Report

Date Submitted:	2005-02-25	Owner Well No:	MW 78
No Wells Plugged:		Owner Name:	Multech Community Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-21	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Harrison Water Wells	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-03-26	County:	Travis
Apprentice Reg No:		Latitude:	30.398056
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	53
Driller Address 2:		Longitude:	-97.7275
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	39
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
169	NNE	0.77	4,044.82	792.78	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47429	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	94
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.3975
Apprentice Signed:		Lat Degree:	30

Wells and Additional Sources Detail Report

Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	51
Driller Address 2:		Longitude:	-97.723889
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	26
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
170	NNE	0.77	4,073.58	792.60	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47428	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	99
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.3975
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	51
Driller Address 2:		Longitude:	-97.723611
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	25
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		

Wells and Additional Sources Detail Report

Comments: No Data

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
173	N	0.79	4,152.10	786.01	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22637	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 84
No Wells Plugged:		Owner Name:	Multech Community Center, LP
Plugger Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-21	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Harrison Water Wells	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-06-13	County:	Travis
Apprentice Reg No:		Latitude:	30.398334
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	54
Driller Address 2:		Longitude:	-97.726111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	34
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
174	E	0.82	4,330.44	736.99	PLUGGED WELLS

License No:	2897	Well Address 1:	2106 Denton Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92128	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-14	Owner Well No:	MW3
No Wells Plugged:		Owner Name:	Industrial Properties, LLC

Wells and Additional Sources Detail Report

Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2013-01-08	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.385834
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	9
Driller Address 2:		Longitude:	-97.713334
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	78759	Long Second:	48
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
177	E	0.84	4,417.87	737.73	PLUGGED WELLS

License No:	2897	Well Address 1:	2106 Denton Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92126	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-14	Owner Well No:	MW2
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2013-01-08	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.385834
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	9

Wells and Additional Sources Detail Report

Driller Address 2:		Longitude:	-97.713056
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	78759	Long Second:	47
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
178	E	0.83	4,408.43	744.71	PLUGGED WELLS

License No:	2897	Well Address 1:	2100 Denton Drive
Variance No:		Well Address 2:	
Plug Rpt Track No:	92124	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2014-01-14	Owner Well No:	MW1
No Wells Plugged:		Owner Name:	Industrial Properties, LLC
Plugging Name:	Amador Hinojosa	Owner Address 1:	2808 Longhorn Boulevard, Ste 308
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2013-01-08	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	unknown	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.386945
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Amador Hinojosa	Lat Minute:	23
Driller Address 1:	5222 Thunder Creek Road, Ste B	Lat Second:	13
Driller Address 2:		Longitude:	-97.713056
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	42
Driller Zip:	78759	Long Second:	47
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Austin Geo-Logic		
Original Company Name:			
Plugging Method:	Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
179	N	0.82	4,314.27	784.19	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22642	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 141
No Wells Plugged:		Owner Name:	The Domain Shopping Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-17	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Central Texas Drilling Co	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1989-03-06	County:	Travis
Apprentice Reg No:		Latitude:	30.398889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	56
Driller Address 2:		Longitude:	-97.726944
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	37
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
180	N	0.82	4,350.87	782.75	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22635	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 73
No Wells Plugged:		Owner Name:	The Domain Shopping Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	

Wells and Additional Sources Detail Report

Plugging Date:	2005-02-21	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Harrison Water Wells	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-03-08	County:	Travis
Apprentice Reg No:		Latitude:	30.398889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	56
Driller Address 2:		Longitude:	-97.726111
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	34
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
181	N	0.83	4,383.89	783.01	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22630	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 10
No Wells Plugged:		Owner Name:	The Domain Shopping Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-17	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.398889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	56
Driller Address 2:		Longitude:	-97.725555
Driller City:	Austin	Long Degree:	97

Wells and Additional Sources Detail Report

Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	32
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
183	N	0.85	4,482.83	780.97	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22631	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 12
No Wells Plugged:		Owner Name:	The Domain Shopping Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-17	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.399167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	57
Driller Address 2:		Longitude:	-97.725555
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	32
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

184 N 0.86 4,521.60 780.93 PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22515	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 9
No Wells Plugged:		Owner Name:	The Domain Shopping Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-08	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.399167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	57
Driller Address 2:		Longitude:	-97.725
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	Well log states 167' TD. Actual TD is 68'		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
186	NNE	0.86	4,566.84	780.87	PLUGGED WELLS

License No:	54616	Well Address 1:	SEC Domain Dr at Esperanza Dr
Variance No:		Well Address 2:	
Plug Rpt Track No:	51286	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-11-21	Owner Well No:	MW-1
No Wells Plugged:		Owner Name:	White Lodging Services Corp
Plugging Name:	Kevin Denson	Owner Address 1:	1000 East 80th Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-11-20	Owner City:	Merrillville
Orig License No:		Owner State:	IN

Wells and Additional Sources Detail Report

Orig Driller Name:	Owner Zip: 46410
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.399167
Apprentice Signed:	Lat Degree: 30
Driller Signed: Mark Kevin Denson	Lat Minute: 23
Driller Address 1: 5307 Industrial Oaks	Lat Second: 57
Driller Address 2:	Longitude: -97.724444
Driller City: Austin	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78735	Long Second: 28
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Terracon	
Original Company Name:	
Plugging Method: Pour in 3/8 bentonite chips when standing water in well is less than 100 feet depth, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
187	NNE	0.87	4,618.20	780.80	PLUGGED WELLS

License No: 54437	Well Address 1: 11400 Burnet Rd
Variance No:	Well Address 2:
Plug Rpt Track No: 47434	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2008-05-01	Owner Well No: 1
No Wells Plugged:	Owner Name: RREEF Domain Group
Plugging Name: Fred Smith	Owner Address 1: 11400 Burnet Rd
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2008-04-04	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: Harrison Water Well	Owner Zip: 78758
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.399167
Apprentice Signed:	Lat Degree: 30
Driller Signed: Fred Smith	Lat Minute: 23
Driller Address 1: PO Box 525	Lat Second: 57
Driller Address 2:	Longitude: -97.723889
Driller City: Dripping Springs	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78620	Long Second: 26

Wells and Additional Sources Detail Report

Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name:	Whisenant & Lyle Water Services, Inc.
Original Company Name:	
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet
Comments:	No Data
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
187	NNE	0.87	4,618.20	780.80	PLUGGED WELLS

License No:	Well Address 1:	11400 Burnet Rd
Variance No:	Well Address 2:	
Plug Rpt Track No:	Well City:	Austin
Well Rpt Track No:	Well Zip:	78758
Date Submitted:	Owner Well No:	4
No Wells Plugged:	Owner Name:	RREEF Domain Group
Plugger Name:	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:	Owner Address 2:	
Plugging Date:	Owner City:	Austin
Orig License No:	Owner State:	TX
Orig Driller Name:	Owner Zip:	78758
Original Well Use:	Owner Oth Cntry:	
Orig Wel Use Descr:	Owner Country:	
Orig Drill Date:	County:	Travis
Apprentice Reg No:	Latitude:	30.399167
Apprentice Signed:	Lat Degree:	30
Driller Signed:	Lat Minute:	23
Driller Address 1:	Lat Second:	57
Driller Address 2:	Longitude:	-97.723889
Driller City:	Long Degree:	97
Driller State:	Long Minute:	43
Driller Zip:	Long Second:	26
Driller Oth Cntry:	Hor Datum Type:	
Driller Country:	Grid No:	58-35-7
Elevation:	Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.	
Original Company Name:		
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments:	No Data	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
187	NNE	0.87	4,618.20	780.80	PLUGGED WELLS

Wells and Additional Sources Detail Report

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47430	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	81
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.399167
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	PO Box 525	Lat Second:	57
Driller Address 2:		Longitude:	-97.723889
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78760	Long Second:	26
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
189	NNE	0.87	4,616.20	779.58	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	47431	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2008-05-01	Owner Well No:	53
No Wells Plugged:		Owner Name:	RREEF Domain Group
Plugging Name:	Fred Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2008-04-04	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	

Wells and Additional Sources Detail Report

Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.398056
Apprentice Signed:	Lat Degree: 30
Driller Signed: Fred Smith	Lat Minute: 23
Driller Address 1: PO Box 525	Lat Second: 53
Driller Address 2:	Longitude: -97.720555
Driller City: Dripping Springs	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78620	Long Second: 14
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Whisenant & Lyle Water Services, Inc.	
Original Company Name:	
Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
190	NNE	0.88	4,653.58	778.89	PLUGGED WELLS

License No: 4227	Well Address 1: 11301 BURNET RD.
Variance No:	Well Address 2:
Plug Rpt Track No: 103551	Well City: AUSTIN
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2015-07-31	Owner Well No:
No Wells Plugged:	Owner Name: WESTERN INTERNATIONAL REALTY
Plugging Name: AARON GLASS	Owner Address 1: 13647 MONTFORD DRIVE
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2015-07-28	Owner City: DALLAS
Orig License No: UNKNOWN	Owner State: TX
Orig Driller Name: UNKNOWN	Owner Zip: 75240
Original Well Use: Withdrawal of Water	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date:	County: Travis
Apprentice Reg No:	Latitude: 30.3975
Apprentice Signed:	Lat Degree: 30
Driller Signed: AARON GLASS	Lat Minute: 23
Driller Address 1: 2520 HWY. 290 WEST	Lat Second: 51
Driller Address 2:	Longitude: -97.719167
Driller City: DRIPPING SPRINGS	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78620	Long Second: 9
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7

Wells and Additional Sources Detail Report

Elevation:	Loc Verfd by Drllr:	No
Company Name:	CENTEX PUMP & SUPPLY, INC.	
Original Company Name:		
Plugging Method:	Large diameter well filled with clay material from top to bottom	
Comments:	PUMPED H2O OUT, CHLORINATED HOLE, FILLED W/CLAY MATERIAL & PACKED DOWN.	
Well Location Description:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	PLUGGED WELLS

License No:	3121	Well Address 1:	9200 Burnett Rd.
Variance No:		Well Address 2:	
Plug Rpt Track No:	123809	Well City:	Austin
Well Rpt Track No:	174511	Well Zip:	78758
Date Submitted:	2009-04-13	Owner Well No:	TMW# 4
No Wells Plugged:		Owner Name:	7- Eleven # 34251
Plugging Name:	Roddy Qualls	Owner Address 1:	9200 Burnett Rd.
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2009-04-09	Owner City:	Austin
Orig License No:	3121	Owner State:	TX
Orig Driller Name:	Roddy Lee Qualls	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2009-04-09	County:	Travis
Apprentice Reg No:	58033	Latitude:	30.372222
Apprentice Signed:	Shane Munro	Lat Degree:	30
Driller Signed:	Roddy Qualls	Lat Minute:	22
Driller Address 1:	5066 Brush Creek Rd.	Lat Second:	20
Driller Address 2:		Longitude:	-97.722222
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	76119	Long Second:	20
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Strata Core Drilling		
Original Company Name:	Strata Core Drilling		
Plugging Method:	Unknown		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	PLUGGED WELLS

License No:	3121	Well Address 1:	9200 Burnett Rd.
Variance No:		Well Address 2:	

Wells and Additional Sources Detail Report

Plug Rpt Track No:	123810	Well City:	Austin
Well Rpt Track No:	174512	Well Zip:	78758
Date Submitted:	2009-04-13	Owner Well No:	TMW# 1,2,5,6
No Wells Plugged:		Owner Name:	7- Eleven # 34251
Plugging Name:	Roddy Qualls	Owner Address 1:	9200 Burnett Rd.
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2009-04-09	Owner City:	Austin
Orig License No:	3121	Owner State:	TX
Orig Driller Name:	Roddy Lee Qualls	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2009-04-09	County:	Travis
Apprentice Reg No:	58033	Latitude:	30.372222
Apprentice Signed:	Shane Munro	Lat Degree:	30
Driller Signed:	Roddy Qualls	Lat Minute:	22
Driller Address 1:	5066 Brush Creek Rd.	Lat Second:	20
Driller Address 2:		Longitude:	-97.722222
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	76119	Long Second:	20
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Strata Core Drilling		
Original Company Name:	Strata Core Drilling		
Plugging Method:	Unknown		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	PLUGGED WELLS

License No:	3121	Well Address 1:	9200 Burnett Rd.
Variance No:		Well Address 2:	
Plug Rpt Track No:	123869	Well City:	Austin
Well Rpt Track No:	175025	Well Zip:	78758
Date Submitted:	2009-04-16	Owner Well No:	TMW# 3
No Wells Plugged:		Owner Name:	7- Eleven # 34251
Plugging Name:	Roddy Qualls	Owner Address 1:	9200 Burnett Rd.
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2009-04-09	Owner City:	Austin
Orig License No:	3121	Owner State:	TX
Orig Driller Name:	Roddy Lee Qualls	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	2009-04-09	County:	Travis

Wells and Additional Sources Detail Report

Apprentice Reg No:	58033	Latitude:	30.372222
Apprentice Signed:	Shane Munro	Lat Degree:	30
Driller Signed:	Roddy Qualls	Lat Minute:	22
Driller Address 1:	5066 Brush Creek Rd.	Lat Second:	20
Driller Address 2:		Longitude:	-97.722222
Driller City:	Fort Worth	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	76119	Long Second:	20
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-43-1
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Strata Core Drilling		
Original Company Name:	Strata Core Drilling		
Plugging Method:	Unknown		
Comments:			
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
192	N	0.89	4,680.61	778.35	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22634	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-25	Owner Well No:	MW 66
No Wells Plugged:		Owner Name:	The Domain Shopping Center, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-17	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:	Harrison Water Wells	Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-02-19	County:	Travis
Apprentice Reg No:		Latitude:	30.399722
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1002 Jousting Place	Lat Second:	59
Driller Address 2:		Longitude:	-97.725555
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78746	Long Second:	32
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Environmental Operations, Inc		

Wells and Additional Sources Detail Report

Original Company Name:
 Plugging Method: Tremmie pipe cement from bottom to top
 Comments:
 Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
192	N	0.89	4,680.61	778.35	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22517	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 108
No Wells Plugged:		Owner Name:	The Domain Shopping Cntr, LP
Plugging Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-09	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.399722
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	59
Driller Address 2:		Longitude:	-97.725555
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	32
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	Well log states 167' TD. Actual TD is 68'		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
193	NNE	0.89	4,696.26	778.31	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	41389	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758

Wells and Additional Sources Detail Report

Date Submitted:	2007-09-10	Owner Well No:	54
No Wells Plugged:		Owner Name:	Reef Domain Group
Plugger Name:	Frederick M Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-08-13	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1984-07-07	County:	Travis
Apprentice Reg No:		Latitude:	30.398056
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Frederick M Smith	Lat Minute:	23
Driller Address 1:	P.O. Box 525	Lat Second:	53
Driller Address 2:		Longitude:	-97.72
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	12
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
194	N	0.89	4,717.77	778.25	PLUGGED WELLS

License No:	3127	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	22516	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2005-02-18	Owner Well No:	MW 107
No Wells Plugged:		Owner Name:	The Domain Shopping Cntr, LP
Plugger Name:	Benito Hinojosa	Owner Address 1:	115 West Washington Street
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2005-02-09	Owner City:	Indianapolis
Orig License No:		Owner State:	IN
Orig Driller Name:		Owner Zip:	46204
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.399722
Apprentice Signed:		Lat Degree:	30

Wells and Additional Sources Detail Report

Driller Signed:	Benito Hinojosa	Lat Minute:	23
Driller Address 1:	1811 Ralph C Craig Ln	Lat Second:	59
Driller Address 2:		Longitude:	-97.725
Driller City:	Austin	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78748	Long Second:	30
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Hinojosa Water Well Services		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	Well log states 167' TD. Actual TD is 68'		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
195	N	0.89	4,697.36	798.28	PLUGGED WELLS

License No:	2897	Well Address 1:	11400 BURNET ROAD
Variance No:		Well Address 2:	
Plug Rpt Track No:	15105	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2004-01-30	Owner Well No:	MW-38
No Wells Plugged:		Owner Name:	JER/BRE AUSTIN TECH, L.P.
Plugging Name:	AMADOR HINOJOSA	Owner Address 1:	1209 W. 5TH STREET STE.200
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2004-01-22	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.400001
Apprentice Signed:		Lat Degree:	30
Driller Signed:	AMADOR HINOJOSA	Lat Minute:	24
Driller Address 1:	8834 CIRCLE DRIVE	Lat Second:	0
Driller Address 2:		Longitude:	-97.727778
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	40
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTERNATIONAL, INC.		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		

Wells and Additional Sources Detail Report

Comments: CUT CASING TWO FEET BELOW GROUND

Well Location Description:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
196	N	0.90	4,725.96	779.57	PLUGGED WELLS

License No:	2897	Well Address 1:	11400 BURNET ROAD
Variance No:		Well Address 2:	
Plug Rpt Track No:	15106	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2004-01-30	Owner Well No:	MW-79
No Wells Plugged:		Owner Name:	JER/BRE AUSTIN TECH, L.P.
Plugging Name:	AMADOR HINOJOSA	Owner Address 1:	1209 W. 5TH STREET STE.200
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2004-01-19	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:	HARRISON WATER WELLS	Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-03-26	County:	Travis
Apprentice Reg No:		Latitude:	30.400001
Apprentice Signed:		Lat Degree:	30
Driller Signed:	AMADOR HINOJOSA	Lat Minute:	24
Driller Address 1:	8834 CIRCLE DRIVE	Lat Second:	0
Driller Address 2:		Longitude:	-97.726667
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	36
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTERNATIONAL, INC.		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	CUT CASING TWO FEET BELOW GROUND		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
198	NNE	0.90	4,745.62	778.29	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Rd
Variance No:		Well Address 2:	
Plug Rpt Track No:	41391	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-09-10	Owner Well No:	22
No Wells Plugged:		Owner Name:	Rreef Domain Group

Wells and Additional Sources Detail Report

Plugging Name:	Frederick M Smith	Owner Address 1:	11400 Burnet Rd
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2007-08-13	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Well	Owner Zip:	78758
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1984-07-06	County:	Travis
Apprentice Reg No:		Latitude:	30.398334
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Frederick M Smith	Lat Minute:	23
Driller Address 1:	P.O. Box 525	Lat Second:	54
Driller Address 2:		Longitude:	-97.720278
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	13
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
199	N	0.91	4,808.83	784.43	PLUGGED WELLS

License No:	2897	Well Address 1:	11400 BURNET ROAD
Variance No:		Well Address 2:	
Plug Rpt Track No:	15111	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2004-01-30	Owner Well No:	MW-19
No Wells Plugged:		Owner Name:	JER/BRE AUSTIN TECH, L.P.
Plugging Name:	AMADOR HINOJOSA	Owner Address 1:	1209 W. 5TH STREET STE. 200
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2003-12-31	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:		Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.400278
Apprentice Signed:		Lat Degree:	30
Driller Signed:	AMADOR HINOJOSA	Lat Minute:	24
Driller Address 1:	8834 CIRCLE DRIVE	Lat Second:	1

Wells and Additional Sources Detail Report

Driller Address 2:	Longitude: -97.727222
Driller City: AUSTIN	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78736	Long Second: 38
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: GEOPROJECTS INTERNATIONAL, INC	
Original Company Name:	
Plugging Method: Tremmie pipe cement from bottom to top	
Comments: CUT CASING TWO FEET BELOW GROUND	
Well Location Description:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
200	NNE	0.92	4,853.70	777.31	PLUGGED WELLS

License No: 54437	Well Address 1: 11400 Burnet Road
Variance No:	Well Address 2:
Plug Rpt Track No: 35733	Well City: Austin
Well Rpt Track No:	Well Zip: 78758
Date Submitted: 2007-01-16	Owner Well No: MW56
No Wells Plugged:	Owner Name: IBM c/o SpawGlass Contractors
Plugging Name: Fred Smith	Owner Address 1: 1111 Smith Road
Plugging Mtd Descr:	Owner Address 2:
Plugging Date: 2006-12-22	Owner City: Austin
Orig License No:	Owner State: TX
Orig Driller Name: Harrison Water Wells	Owner Zip: 78721
Original Well Use: Monitor	Owner Oth Cntry:
Orig Wel Use Descr:	Owner Country:
Orig Drill Date: 1984-07-07	County: Travis
Apprentice Reg No:	Latitude: 30.398889
Apprentice Signed:	Lat Degree: 30
Driller Signed: Fred Smith	Lat Minute: 23
Driller Address 1: P. O. Box 525	Lat Second: 56
Driller Address 2:	Longitude: -97.720833
Driller City: Dripping Springs	Long Degree: 97
Driller State: TX	Long Minute: 43
Driller Zip: 78620	Long Second: 15
Driller Oth Cntry:	Hor Datum Type:
Driller Country:	Grid No: 58-35-7
Elevation:	Loc Verfd by Drllr: No
Company Name: Whisenant & Lyle Water Services, Inc.	
Original Company Name:	
Plugging Method: Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet	
Comments: No Data	
Well Location Description:	

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
202	N	0.92	4,849.45	777.04	PLUGGED WELLS

License No:	2897	Well Address 1:	11400 BURNET ROAD
Variance No:		Well Address 2:	
Plug Rpt Track No:	15107	Well City:	AUSTIN
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2004-01-30	Owner Well No:	MW-80
No Wells Plugged:		Owner Name:	JER/BRE AUSTIN TECH, L.P.
Plugging Name:	AMADOR HINOJOSA	Owner Address 1:	1209 W. 5TH STREET STE.200
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2004-01-19	Owner City:	AUSTIN
Orig License No:		Owner State:	TX
Orig Driller Name:	HARRISON WATER WELLS	Owner Zip:	78703
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1985-03-26	County:	Travis
Apprentice Reg No:		Latitude:	30.400278
Apprentice Signed:		Lat Degree:	30
Driller Signed:	AMADOR HINOJOSA	Lat Minute:	24
Driller Address 1:	8834 CIRCLE DRIVE	Lat Second:	1
Driller Address 2:		Longitude:	-97.726111
Driller City:	AUSTIN	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78736	Long Second:	34
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	GEOPROJECTS INTERNATIONAL, INC.		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	CUT CASING TWO FEET BELOW GROUND		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
204	NNE	0.93	4,889.66	776.63	PLUGGED WELLS

License No:	54437	Well Address 1:	11400 Burnet Road
Variance No:		Well Address 2:	
Plug Rpt Track No:	35734	Well City:	Austin
Well Rpt Track No:		Well Zip:	78758
Date Submitted:	2007-01-16	Owner Well No:	MW55
No Wells Plugged:		Owner Name:	IBM c/o SpawGlass Contractors
Plugging Name:	Fred Smith	Owner Address 1:	1111 Smith Road
Plugging Mtd Descr:		Owner Address 2:	

Wells and Additional Sources Detail Report

Plugging Date:	2006-12-22	Owner City:	Austin
Orig License No:		Owner State:	TX
Orig Driller Name:	Harrison Water Wells	Owner Zip:	78721
Original Well Use:	Monitor	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:	1984-07-07	County:	Travis
Apprentice Reg No:		Latitude:	30.398889
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Fred Smith	Lat Minute:	23
Driller Address 1:	P. O. Box 525	Lat Second:	56
Driller Address 2:		Longitude:	-97.720555
Driller City:	Dripping Springs	Long Degree:	97
Driller State:	TX	Long Minute:	43
Driller Zip:	78620	Long Second:	14
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Whisenant & Lyle Water Services, Inc.		
Original Company Name:			
Plugging Method:	Tremmie pipe bentonite from bottom to 2 feet from surface, cement top 2 feet		
Comments:	No Data		
Well Location Description:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
207	NNW	0.98	5,156.68	794.61	PLUGGED WELLS

License No:	1955	Well Address 1:	Century Park Blvd.
Variance No:		Well Address 2:	
Plug Rpt Track No:	3510	Well City:	
Well Rpt Track No:		Well Zip:	
Date Submitted:	2001-10-11	Owner Well No:	
No Wells Plugged:		Owner Name:	Continental Properties
Plugging Name:	Byron Benoit	Owner Address 1:	P.O. Box 220
Plugging Mtd Descr:		Owner Address 2:	
Plugging Date:	2001-04-04	Owner City:	Mendmonee Falls
Orig License No:		Owner State:	WI
Orig Driller Name:		Owner Zip:	53052
Original Well Use:	Withdrawal of Water	Owner Oth Cntry:	
Orig Wel Use Descr:		Owner Country:	
Orig Drill Date:		County:	Travis
Apprentice Reg No:		Latitude:	30.400834
Apprentice Signed:		Lat Degree:	30
Driller Signed:	Byron Benoit	Lat Minute:	24
Driller Address 1:	P.O. Box 1060	Lat Second:	3
Driller Address 2:		Longitude:	-97.7325
Driller City:	Manchaca	Long Degree:	97

Wells and Additional Sources Detail Report

Driller State:	TX	Long Minute:	43
Driller Zip:	78652	Long Second:	57
Driller Oth Cntry:		Hor Datum Type:	
Driller Country:		Grid No:	58-35-7
Elevation:		Loc Verfd by Drllr:	No
Company Name:	Associated Drilling Co.		
Original Company Name:			
Plugging Method:	Tremmie pipe cement from bottom to top		
Comments:	logged by TF		
Well Location Description:			

Submitted Drillers Report Database

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.12	621.58	774.90	SDR WELLS

License No:	54616	Well Address1:	2800 Longhorn Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45263	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-6
Apprentice Reg No:		Owner Name:	CH Realty
No of Wells Drill:		Owner Addr1:	1501 K Street NW
Date Submitted:	2004-09-22	Owner Addr2:	
Type of Work:	New Well	Owner City:	Washington
Typ of Wrk Oth Descr:		Owner State:	DC
Seal Method:	Other	Owner Zip:	20005
Seal Mthd Oth Desc:	Hand-mixed	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2004-09-17	Driller Address1:	5307 Industrial Oaks
Drilling End Dt:	2004-09-17	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Ausitn
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.382222
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	56
Chemical Analysis:		Longitude:	-97.728055

Wells and Additional Sources Detail Report

Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	41
Grid No:	58-35-7		
Company Name:	HBC/Terracon		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45263&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.12	621.58	774.90	SDR WELLS

License No:	54616	Well Address1:	2800 Longhorn Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45262	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-5
Apprentice Reg No:		Owner Name:	CH Realty
No of Wells Drill:		Owner Addr1:	1501 K Street NW
Date Submitted:	2004-09-22	Owner Addr2:	
Type of Work:	New Well	Owner City:	Washington
Typ of Wrk Oth Descr:		Owner State:	DC
Seal Method:	Other	Owner Zip:	20005
Seal Mthd Oth Desc:	Hand-mixed	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2004-09-17	Driller Address1:	5307 Industrial Oaks
Drilling End Dt:	2004-09-17	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Ausitn
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.382222
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	56
Chemical Analysis:		Longitude:	-97.728055
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43

Wells and Additional Sources Detail Report

Known Loc Error:	No	Long Second:	41
Grid No:	58-35-7		
Company Name:	HBC/Terracon		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45262&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	S	0.12	621.58	774.90	SDR WELLS

License No:	54616	Well Address1:	2800 Longhorn Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45260	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:		Owner Name:	CH Realty
No of Wells Drill:		Owner Addr1:	1501 K Street NW
Date Submitted:	2004-09-22	Owner Addr2:	
Type of Work:	New Well	Owner City:	Washington
Typ of Wrk Oth Descr:		Owner State:	DC
Seal Method:	Other	Owner Zip:	20005
Seal Mthd Oth Desc:	Hand-mixed	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2004-09-17	Driller Address1:	5307 Industrial Oaks
Drilling End Dt:	2004-09-17	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Ausitn
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.382222
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	56
Chemical Analysis:		Longitude:	-97.728055
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	41
Grid No:	58-35-7		

Wells and Additional Sources Detail Report

Company Name: HBC/Terracon
 Well Location Description:
 Comments:
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45260&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSE	0.18	949.50	771.71	SDR WELLS

License No:	4926	Well Address1:	2600-2800 Longhorn Blvd.
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45921	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-10-04	Owner Addr2:	
Type of Work:	New Well	Owner City:	Houston
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-17	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-17	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	765
Complt by Driller:		Latitude:	30.381667
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	54
Chemical Analysis:		Longitude:	-97.726667
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	36
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			

Wells and Additional Sources Detail Report

Comments: Project #: 96047830-001B
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45921&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	SSE	0.19	1,001.36	770.93	SDR WELLS

License No:	4926	Well Address1:	2600-2800 Longhorn Blvd.
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45920	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-10-04	Owner Addr2:	
Type of Work:	New Well	Owner City:	Houston
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-16	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	767
Complt by Driller:		Latitude:	30.381389
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	53
Chemical Analysis:		Longitude:	-97.726944
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	37
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			
Comments:	Project #: 96047830-001B		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		

Wells and Additional Sources Detail Report

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45920&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SW	0.20	1,079.56	761.37	SDR WELLS

License No:	4926	Well Address1:	3203 Longhorn Blvd.
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45918	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-10-04	Owner Addr2:	
Type of Work:	New Well	Owner City:	Houston
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-16	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	749
Complt by Driller:		Latitude:	30.3825
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	57
Chemical Analysis:		Longitude:	-97.731944
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	55
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			
Comments:	Project #: 96047830.002B		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45918&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

15	ESE	0.26	1,372.52	778.81	SDR WELLS
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License No:	2897	Well Address1:	9901 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	310309	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:	59167	Owner Name:	Kuperman, Orr & Albers, P.C.
No of Wells Drill:		Owner Addr1:	2801 Via Fortuna
Date Submitted:	2013-01-31	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Unknown	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2013-01-29	Driller Address1:	5222 Thunder Creek Rd. Ste B-2
Drilling End Dt:	2013-01-29	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:	Hamilton McRae	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.384445
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	4
Chemical Analysis:	No	Longitude:	-97.723333
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	24
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=310309&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	ESE	0.26	1,392.55	779.08	SDR WELLS

Wells and Additional Sources Detail Report

<p>License No: 2897</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 310308</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No: 59167</p> <p>No of Wells Drill:</p> <p>Date Submitted: 2013-01-31</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Unknown</p> <p>Seal Mthd Oth Descr:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2013-01-29</p> <p>Drilling End Dt: 2013-01-29</p> <p>Proposed Use: Monitor</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Aprv by Variance:</p> <p>Loc Vfy by Driller: No</p> <p>Sealed by Driller: No</p> <p>Sealed by Name:</p> <p>Driller Signed: Amador Hinojosa</p> <p>Apprentice Signed: Hamilton McRae</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Descr:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Descr:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Austin Geo-Logic</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=310308&Type=SDR-Well</p>	<p>Well Address1: 9901 Burnet Road</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: MW-1</p> <p>Owner Name: Kuperman, Orr & Albers, P.C.</p> <p>Owner Addr1: 2801 Via Fortuna</p> <p>Owner Addr2:</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78746</p> <p>Owner Country:</p> <p>Driller Name: Amador Hinojosa</p> <p>Driller Address1: 5222 Thunder Creek Rd. Ste B-2</p> <p>Driller Addr2:</p> <p>Driller City: Austin</p> <p>Driller State: TX</p> <p>Driller Zip: 78759</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.383611</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 1</p> <p>Longitude: -97.723611</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 25</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SW	0.21	1,133.25	762.18	SDR WELLS

License No: 4926	Well Address1: 3206 Industrial Terrace
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Wells and Additional Sources Detail Report

PWS No: Plug Rpt Track No: Well Rpt Track No: 45416 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2004-09-24 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Tremie Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2004-08-17 Drilling End Dt: 2004-08-17 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Lloyd Bruce Milton Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Best Drilling Services, Inc. Well Location Description: Comments: Project #: 96047830.005 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45416&Type=SDR-Well	Well Addr2: Well City: Austin Well Zip: Owner Well No: MW-3 Owner Name: CH Realty/Acquisitions III, L.L.C. Owner Addr1: 2100 McKinney Avenue, Suite 70 Owner Addr2: Owner City: Dallas Owner State: TX Owner Zip: 75201 Owner Country: Driller Name: Lloyd Bruce Milton Driller Address1: P.O. Box 845 Driller Addr2: Driller City: Friendswood Driller State: TX Driller Zip: 77549 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: 760 Latitude: 30.381944 Lat Degree: 30 Lat Minute: 22 Lat Second: 55 Longitude: -97.731389 Long Degree: 97 Long Minute: 43 Long Second: 53
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SSE	0.21	1,129.12	769.93	SDR WELLS

License No: 4926 PWS No: Plug Rpt Track No:	Well Address1: 2600-2800 Longhorn Blvd. Well Addr2: Well City: Austin
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Wells and Additional Sources Detail Report

Well Rpt Track No: 45919	Well Zip:
Orig Well Rpt Trk No:	Owner Well No: MW-1
Apprentice Reg No:	Owner Name: CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:	Owner Addr1: 2100 McKinney Avenue, Suite 70
Date Submitted: 2004-10-04	Owner Addr2:
Type of Work: New Well	Owner City: Houston
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Tremie	Owner Zip: 75201
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Lloyd Bruce Milton
Drilling Start Dt: 2004-08-16	Driller Address1: P.O. Box 845
Drilling End Dt: 2004-08-16	Driller Addr2:
Proposed Use: Monitor	Driller City: Friendswood
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 77549
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Lloyd Bruce Milton	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type:
Surf Comp Oth Descr:	Elevation: 771
Complt by Driller:	Latitude: 30.381111
Pump Type:	Lat Degree: 30
Pump Type Oth Descr:	Lat Minute: 22
Pump Depth:	Lat Second: 52
Chemical Analysis:	Longitude: -97.726667
Injurious Water:	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 36
Grid No: 58-35-7	
Company Name: Best Drilling Services, Inc.	
Well Location Description:	
Comments: Project #: 96047830-001B	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45919&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	ESE	0.28	1,475.04	779.78	SDR WELLS

License No: 2897	Well Address1: 9901 Burnet Road
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 310310	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-3

Wells and Additional Sources Detail Report

Apprentice Reg No:	59167	Owner Name:	Kuperman, Orr & Albers, P.C.
No of Wells Drill:		Owner Addr1:	2801 Via Fortuna
Date Submitted:	2013-01-31	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Unknown	Owner Zip:	78746
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2013-01-29	Driller Address1:	5222 Thunder Creek Rd. Ste B-2
Drilling End Dt:	2013-01-29	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:	Hamilton McRae	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.383611
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	1
Chemical Analysis:	No	Longitude:	-97.723333
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	24
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=310310&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SW	0.23	1,220.27	761.55	SDR WELLS

License No:	4926	Well Address1:	3206 Industrial Terrace
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45415	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70

Wells and Additional Sources Detail Report

Date Submitted:	2004-09-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	Dallas
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-17	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-17	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	787
Complt by Driller:		Latitude:	30.381667
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	54
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			
Comments:	Project #: 96047830.005		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45415&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.26	1,351.71	758.11	SDR WELLS

License No:	4926	Well Address1:	3206 Industrial Terrace
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45414	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-09-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	Dallas

Wells and Additional Sources Detail Report

Typ of Wrk Oth Descr: Seal Method: Tremie Seal Mthd Oth Descr: Plugged w/i 48Hrs: No Drilling Start Dt: 2004-08-17 Drilling End Dt: 2004-08-17 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Lloyd Bruce Milton Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Descr: Complt by Driller: Pump Type: Pump Type Oth Descr: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Best Drilling Services, Inc. Well Location Description: Comments: Project #: 96047830.005 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45414&Type=SDR-Well	Owner State: TX Owner Zip: 75201 Owner Country: Driller Name: Lloyd Bruce Milton Driller Address1: P.O. Box 845 Driller Addr2: Driller City: Friendswood Driller State: TX Driller Zip: 77549 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: 829 Latitude: 30.381389 Lat Degree: 30 Lat Minute: 22 Lat Second: 53 Longitude: -97.731667 Long Degree: 97 Long Minute: 43 Long Second: 54
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	S	0.25	1,307.62	771.68	SDR WELLS

License No: 55002 PWS No: Plug Rpt Track No: Well Rpt Track No: 603758 Orig Well Rpt Trk No: Apprentice Reg No: 60326 No of Wells Drill: 1 Date Submitted: 2022-04-28 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed	Well Address1: 2809 Longhorn Boulevard Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-1 Owner Name: Aquila Commercial, LLC Owner Addr1: 1717 West 6th Street, Suite 400 Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78703
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Wells and Additional Sources Detail Report

Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2022-03-15 Drilling End Dt: 2022-03-15 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes Sealed by Driller: Yes Sealed by Name: Driller Signed: Gary B. Leifeste* Apprentice Signed: Steven Stackhouse Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Yes Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Partners, LP Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=603758&Type=SDR-Well	Owner Country: Driller Name: Gary B Leifeste Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.380393 Lat Degree: 30 Lat Minute: 22 Lat Second: 49.41 Longitude: -97.727414 Long Degree: 97 Long Minute: 43 Long Second: 38.69
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	S	0.25	1,307.62	771.68	SDR WELLS

License No: 55002 PWS No: Plug Rpt Track No: Well Rpt Track No: 603788 Orig Well Rpt Trk No: Apprentice Reg No: 60326 No of Wells Drill: 1 Date Submitted: 2022-04-28 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No	Well Address1: 2809 Longhorn Boulevard Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-2 Owner Name: Aquila Commercial, LLC Owner Addr1: 1717 West 6th Street, Suite 400 Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78703 Owner Country: Driller Name: Gary B Leifeste
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Wells and Additional Sources Detail Report

Drilling Start Dt:	2022-03-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2022-03-15	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste*	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.380393
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	49.41
Chemical Analysis:	No	Longitude:	-97.727414
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	38.69
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=603788&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	ENE	0.28	1,503.53	789.11	SDR WELLS

License No:	60112	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	578197	Well Zip:	78202
Orig Well Rpt Trk No:		Owner Well No:	MW-2A
Apprentice Reg No:	60831	Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2021-07-12	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2021-05-13	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2021-05-14	Driller Addr2:	

Wells and Additional Sources Detail Report

Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	David R. Lozano	Dist to Prop Line:	
Apprentice Signed:	Craig Wilcox	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.388049
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.98
Chemical Analysis:	No	Longitude:	-97.722539
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	21.14
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578197&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	ENE	0.30	1,596.72	778.92	SDR WELLS

License No:	60112	Well Address1:	10409 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	567389	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	Travis County Adult Probation
No of Wells Drill:	1	Owner Addr1:	10409 Burnet Road
Date Submitted:	2021-02-25	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2020-12-21	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2020-12-21	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX

Wells and Additional Sources Detail Report

TCEQ Approve Plans:	Driller Zip:	78240
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller:	Driller Country:	
Sealed by Driller:	Dist to Sep Contam:	
Sealed by Name:	Dist to Septic Tk:	
Driller Signed:	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl:	Horizon Datum Type:	
Surf Comp Oth Desc:	Elevation:	
Complt by Driller:	Latitude:	30.387147
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	23
Pump Depth:	Lat Second:	13.73
Chemical Analysis:	Longitude:	-97.722001
Injurious Water:	Long Degree:	97
County:	Long Minute:	43
Known Loc Error:	Long Second:	19.2
Grid No:		
Company Name:		
Well Location Description:		
Comments:		
Data Source:		Full SDR Database; SDRDB Well Location (Map)
Drillers Well Report:		https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=567389&Type=SDR-Well

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	ENE	0.30	1,573.40	786.94	SDR WELLS

License No:	Well Address1:	Research Square
PWS No:	Well Addr2:	10435 Burnet Road
Plug Rpt Track No:	Well City:	Austin
Well Rpt Track No:	Well Zip:	78758
Orig Well Rpt Trk No:	Owner Well No:	B-7
Apprentice Reg No:	Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	Owner Addr2:	
Type of Work:	Owner City:	Austin
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method:	Owner Zip:	78701
Seal Mthd Oth Desc:	Owner Country:	
Plugged w/i 48Hrs:	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	Driller Addr2:	
Proposed Use:	Driller City:	San Antonio
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240
Apprve by Variance:	Driller Oth Cntry:	

Wells and Additional Sources Detail Report

Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	David R. Lozano	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:		Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.388016
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.86
Chemical Analysis:	No	Longitude:	-97.722292
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	20.25
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559274&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	ENE	0.30	1,581.42	786.94	SDR WELLS

License No:	60112	Well Address1:	Research Square
PWS No:		Well Addr2:	10435 Burnet Road
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	559263	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-2
Apprentice Reg No:		Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2020-11-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2020-10-28	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2020-10-28	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	

Wells and Additional Sources Detail Report

Sealed by Name:	Dist to Septic Tk:
Driller Signed: David R. Lozano	Dist to Prop Line:
Apprentice Signed: Joe Lopez	Dist Verifi Method:
Surface Compl:	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.38801
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 16.84
Chemical Analysis: No	Longitude: -97.722263
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 20.15
Grid No: 58-35-7	
Company Name: Vortex Drilling Partners, LP	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559263&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	ENE	0.30	1,584.92	786.94	SDR WELLS

License No: 60112	Well Address1: Research Square
PWS No:	Well Addr2: 10435 Burnet Road
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 559268	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-5
Apprentice Reg No:	Owner Name: Ironwood Real Estate LP
No of Wells Drill: 1	Owner Addr1: 207 San Jacinto Boulevard, Suite 300
Date Submitted: 2020-11-16	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Desc:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78701
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: DAVID R LOZANO
Drilling Start Dt: 2020-10-28	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2020-10-28	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Desc:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: David R. Lozano	Dist to Prop Line:

Wells and Additional Sources Detail Report

Apprentice Signed: Joe Lopez	Dist Verifi Method:
Surface Compl:	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.388054
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 16.99
Chemical Analysis: No	Longitude: -97.722268
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 20.16
Grid No: 58-35-7	
Company Name: Vortex Drilling Partners, LP	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559268&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	ENE	0.30	1,584.88	787.50	SDR WELLS

License No: 60112	Well Address1: Research Square
PWS No:	Well Addr2: 10435 Burnet Road
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 559273	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-6
Apprentice Reg No:	Owner Name: Ironwood Real Estate LP
No of Wells Drill: 1	Owner Addr1: 207 San Jacinto Boulevard, Suite 300
Date Submitted: 2020-11-16	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78701
Seal Mthd Oth Descr:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: DAVID R LOZANO
Drilling Start Dt: 2020-10-28	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2020-10-28	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprv by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: David R. Lozano	Dist to Prop Line:
Apprentice Signed: Joe Lopez	Dist Verifi Method:
Surface Compl:	Horizon Datum Type:

Wells and Additional Sources Detail Report

Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.388087
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 17.11
Chemical Analysis: No	Longitude: -97.722281
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 20.21
Grid No: 58-35-7	
Company Name: Vortex Drilling Partners, LP	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559273&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	ENE	0.30	1,591.34	786.94	SDR WELLS

License No: 60112	Well Address1: Research Square
PWS No:	Well Addr2: 10435 Burnet Road
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 559258	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-1
Apprentice Reg No:	Owner Name: Ironwood Real Estate LP
No of Wells Drill: 1	Owner Addr1: 207 San Jacinto Boulevard, Suite 300
Date Submitted: 2020-11-16	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78701
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: DAVID R LOZANO
Drilling Start Dt: 2020-10-28	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2020-10-28	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: David R. Lozano	Dist to Prop Line:
Apprentice Signed: Joe Lopez	Dist Verifi Method:
Surface Compl:	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.38805

Wells and Additional Sources Detail Report

Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	23
Pump Depth:	Lat Second:	16.98
Chemical Analysis: No	Longitude:	-97.722245
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	20.08
Grid No: 58-35-7		
Company Name: Vortex Drilling Partners, LP		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559258&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	ENE	0.30	1,596.48	787.50	SDR WELLS

License No:	60112	Well Address1:	Research Square
PWS No:		Well Addr2:	10435 Burnet Road
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	559267	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-4
Apprentice Reg No:		Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2020-11-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2020-10-28	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2020-10-28	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	David R. Lozano	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:		Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.388079
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23

Wells and Additional Sources Detail Report

Pump Depth:	Lat Second:	17.08	
Chemical Analysis:	No	Longitude:	-97.722239
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	20.06
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559267&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	ENE	0.30	1,604.81	786.05	SDR WELLS

License No:	60112	Well Address1:	Research Square
PWS No:		Well Addr2:	10435 Burnet Road
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	559265	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-3
Apprentice Reg No:		Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2020-11-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2020-10-28	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2020-10-28	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	David R. Lozano	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:		Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.38805
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.98
Chemical Analysis:	No	Longitude:	-97.7222

Wells and Additional Sources Detail Report

Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19.92
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=559265&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	ENE	0.31	1,610.98	786.05	SDR WELLS

License No:	60112	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	578194	Well Zip:	78202
Orig Well Rpt Trk No:		Owner Well No:	MW-1A
Apprentice Reg No:	60831	Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2021-07-12	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	DAVID R LOZANO
Drilling Start Dt:	2021-05-13	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2021-05-14	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	David R. Lozano	Dist to Prop Line:	
Apprentice Signed:	Craig Wilcox	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.388014
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.85
Chemical Analysis:	No	Longitude:	-97.722166
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43

Wells and Additional Sources Detail Report

Known Loc Error:	No	Long Second:	19.8
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578194&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	ENE	0.31	1,616.32	784.58	SDR WELLS

License No:	59856	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	503965	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:	60326	Owner Name:	Ironwood Real Estate LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard, Suite 300
Date Submitted:	2019-02-22	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Juan R Martinez
Drilling Start Dt:	2019-02-01	Driller Address1:	4412 Bluemel
Drilling End Dt:	2019-02-01	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Juan R. Martinez	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.387937
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	16.57
Chemical Analysis:	No	Longitude:	-97.722121
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19.64
Grid No:	58-35-7		

Wells and Additional Sources Detail Report

Company Name: Vortex Drilling
 Well Location Description:
 Comments:
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=503965&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	ENE	0.31	1,618.55	785.14	SDR WELLS

License No:	54776	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	507159	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-5
Apprentice Reg No:		Owner Name:	Ironwood
No of Wells Drill:	1	Owner Addr1:	10435 Burnet Road
Date Submitted:	2019-04-02	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Robert Joiner
Drilling Start Dt:	2019-03-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2019-03-08	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Robert Joiner	Dist to Prop Line:	
Apprentice Signed:	Brian Muzny	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.387967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.68
Chemical Analysis:	No	Longitude:	-97.722124
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19.65
Grid No:	58-35-7		
Company Name:	Vortex Drilling		
Well Location Description:			

Wells and Additional Sources Detail Report

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=507159&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	ENE	0.31	1,618.55	785.14	SDR WELLS

License No:	54776	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	507150	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	Ironwood
No of Wells Drill:	1	Owner Addr1:	10435 Burnet Road
Date Submitted:	2019-04-02	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Robert Joiner
Drilling Start Dt:	2019-03-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2019-03-08	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Robert Joiner	Dist to Prop Line:	
Apprentice Signed:	Brian Muzny	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.387967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.68
Chemical Analysis:	No	Longitude:	-97.722124
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19.65
Grid No:	58-35-7		
Company Name:	Vortex Drilling		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		

Wells and Additional Sources Detail Report

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=507150&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	ENE	0.31	1,618.55	785.14	SDR WELLS

License No:	54776	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	507154	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:		Owner Name:	Ironwood
No of Wells Drill:	1	Owner Addr1:	10435 Burnet Road
Date Submitted:	2019-04-02	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Robert Joiner
Drilling Start Dt:	2019-03-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2019-03-08	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Robert Joiner	Dist to Prop Line:	
Apprentice Signed:	Brian Muzny	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.387967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	16.68
Chemical Analysis:	No	Longitude:	-97.722124
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19.65
Grid No:	58-35-7		
Company Name:	Vortex Drilling		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=507154&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	ENE	0.31	1,618.55	785.14	SDR WELLS
<div> <div> License No: 54776 PWS No: Plug Rpt Track No: Well Rpt Track No: 507138 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: 1 Date Submitted: 2019-04-02 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2019-03-07 Drilling End Dt: 2019-03-08 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes Sealed by Driller: Yes Sealed by Name: Driller Signed: Robert Joiner Apprentice Signed: Brian Muzny Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Yes Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=507138&Type=SDR-Well </div> <div> Well Address1: 10435 Burnet Road Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-2 Owner Name: Ironwood Owner Addr1: 10435 Burnet Road Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: Robert Joiner Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.387967 Lat Degree: 30 Lat Minute: 23 Lat Second: 16.68 Longitude: -97.722124 Long Degree: 97 Long Minute: 43 Long Second: 19.65 </div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	SE	0.34	1,810.95	779.65	SDR WELLS

Wells and Additional Sources Detail Report

License No: 2897	Well Address1: 9715 Burnet Road
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 294061	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-3
Apprentice Reg No: 59167	Owner Name: Thrivent Financial for Lutherans
No of Wells Drill:	Owner Addr1: 625 4th Ave. S
Date Submitted: 2012-07-30	Owner Addr2:
Type of Work: New Well	Owner City: Minneapolis
Typ of Wrk Oth Descr:	Owner State: MN
Seal Method: Unknown	Owner Zip: 55415
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Amador Hinojosa
Drilling Start Dt: 2012-07-19	Driller Address1: 5222 Thunder Creek Road
Drilling End Dt: 2012-07-19	Driller Addr2:
Proposed Use: Monitor	Driller City: Austin
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78759
Aprv by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Amador Hinojosa	Dist to Prop Line:
Apprentice Signed: Hamilton McRae	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.381667
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 22
Pump Depth:	Lat Second: 54
Chemical Analysis: No	Longitude: -97.723055
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 23
Grid No: 58-35-7	
Company Name: Austin Geo-Logic	
Well Location Description:	
Comments: Water Level: dry.	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=294061&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	ENE	0.31	1,661.44	786.35	SDR WELLS

Wells and Additional Sources Detail Report

<p>License No: 60112</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 578202</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No: 60831</p> <p>No of Wells Drill: 1</p> <p>Date Submitted: 2021-07-12</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Hand Mixed</p> <p>Seal Mthd Oth Desc:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2021-05-13</p> <p>Drilling End Dt: 2021-05-14</p> <p>Proposed Use: Monitor</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Aprv by Variance:</p> <p>Loc Vfy by Driller: Yes</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: David R. Lozano</p> <p>Apprentice Signed: Craig Wilcox</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Desc:</p> <p>Complt by Driller: Yes</p> <p>Pump Type:</p> <p>Pump Type Oth Desc:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Vortex Drilling Partners, LP</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578202&Type=SDR-Well</p>	<p>Well Address1: 10435 Burnet Road</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78202</p> <p>Owner Well No: MW-7</p> <p>Owner Name: Ironwood Real Estate LP</p> <p>Owner Addr1: 207 San Jacinto Boulevard, Suite 300</p> <p>Owner Addr2:</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78701</p> <p>Owner Country:</p> <p>Driller Name: DAVID R LOZANO</p> <p>Driller Address1: 4412 Bluemel Road</p> <p>Driller Addr2:</p> <p>Driller City: San Antonio</p> <p>Driller State: TX</p> <p>Driller Zip: 78240</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.388187</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 17.47</p> <p>Longitude: -97.722064</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 19.43</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	ENE	0.32	1,666.08	789.06	SDR WELLS

<p>License No: 4868</p> <p>PWS No:</p>	<p>Well Address1: Research Square</p> <p>Well Addr2: 10435 Burnet Road</p>
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Wells and Additional Sources Detail Report

Plug Rpt Track No: Well Rpt Track No: 581142 Orig Well Rpt Trk No: Apprentice Reg No: 60831 No of Wells Drill: 1 Date Submitted: 2021-08-16 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2021-06-28 Drilling End Dt: 2021-06-28 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes Sealed by Driller: Yes Sealed by Name: Driller Signed: James E. Neal Apprentice Signed: Craig Wilcox Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Yes Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Partners, LP Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=581142&Type=SDR-Well	Well City: Austin Well Zip: 78758 Owner Well No: MW-8 Owner Name: Ironwood Real Estate LP Owner Addr1: 207 San Jacinto Boulevard, Suite 300 Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78701 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.388593 Lat Degree: 30 Lat Minute: 23 Lat Second: 18.93 Longitude: -97.722238 Long Degree: 97 Long Minute: 43 Long Second: 20.06
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	ENE	0.33	1,743.25	781.23	SDR WELLS

License No: 60112 PWS No: Plug Rpt Track No: Well Rpt Track No: 578200	Well Address1: 10435 Burnet Road Well Addr2: Well City: Austin Well Zip: 78202
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Wells and Additional Sources Detail Report

<p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No: 60831</p> <p>No of Wells Drill: 1</p> <p>Date Submitted: 2021-07-12</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Hand Mixed</p> <p>Seal Mthd Oth Desc:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2021-05-13</p> <p>Drilling End Dt: 2021-05-14</p> <p>Proposed Use: Monitor</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Apprve by Variance:</p> <p>Loc Vfy by Driller: Yes</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: David R. Lozano</p> <p>Apprentice Signed: Craig Wilcox</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Desc:</p> <p>Complt by Driller: Yes</p> <p>Pump Type:</p> <p>Pump Type Oth Desc:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Vortex Drilling Partners, LP</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578200&Type=SDR-Well</p>	<p>Owner Well No: MW-4A</p> <p>Owner Name: Ironwood Real Estate LP</p> <p>Owner Addr1: 207 San Jacinto Boulevard, Suite 300</p> <p>Owner Addr2:</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78701</p> <p>Owner Country:</p> <p>Driller Name: DAVID R LOZANO</p> <p>Driller Address1: 4412 Bluemel Road</p> <p>Driller Addr2:</p> <p>Driller City: San Antonio</p> <p>Driller State: TX</p> <p>Driller Zip: 78240</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.387819</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 16.15</p> <p>Longitude: -97.721667</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 18</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	SDR WELLS

<p>License No: 54611</p> <p>PWS No:</p> <p>Plug Rpt Track No: 113154</p> <p>Well Rpt Track No: 75186</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p>	<p>Well Address1: 9061 Burnet Rd</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip:</p> <p>Owner Well No: TMW1</p> <p>Owner Name: Valero</p>
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Wells and Additional Sources Detail Report

No of Wells Drill: Date Submitted: 2006-01-31 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Gravity Seal Mthd Oth Desc: Plugged w/i 48Hrs: Yes Drilling Start Dt: 2006-01-10 Drilling End Dt: 2006-01-10 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Brian Kern Apprentice Signed: Surface Compl: Unknown Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Total Support Services Well Location Description: Comments: 2006-010 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=75186&Type=SDR-Well	Owner Addr1: 9061 Burnet Rd Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: Owner Country: Driller Name: Brian Kern Driller Address1: P.O. Box 81621 Driller Addr2: Driller City: Austin Driller State: TX Driller Zip: 78708 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.38 Lat Degree: 30 Lat Minute: 22 Lat Second: 48 Longitude: -97.724722 Long Degree: 97 Long Minute: 43 Long Second: 29
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	SDR WELLS

License No: 54611 PWS No: Plug Rpt Track No: 113156 Well Rpt Track No: 75188 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2006-01-31	Well Address1: 9061 Burnet Rd Well Addr2: Well City: Austin Well Zip: Owner Well No: B3 Owner Name: Valero Owner Addr1: 9061 Burnet Rd Owner Addr2:
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Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Gravity	Owner Zip:	
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Brian Kern
Drilling Start Dt:	2006-01-10	Driller Address1:	P.O. Box 81621
Drilling End Dt:	2006-01-10	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78708
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Brian Kern	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.38
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	48
Chemical Analysis:		Longitude:	-97.724722
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29
Grid No:	58-35-7		
Company Name:	Total Support Services		
Well Location Description:			
Comments:	2006-010		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=75188&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.34	1,795.59	761.14	SDR WELLS

License No:	54611	Well Address1:	9061 Burnet Rd
PWS No:		Well Addr2:	
Plug Rpt Track No:	113155	Well City:	Austin
Well Rpt Track No:	75187	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	TMW2
Apprentice Reg No:		Owner Name:	Valero
No of Wells Drill:		Owner Addr1:	9061 Burnet Rd
Date Submitted:	2006-01-31	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX

Wells and Additional Sources Detail Report

Seal Method:	Gravity	Owner Zip:	
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Brian Kern
Drilling Start Dt:	2006-01-10	Driller Address1:	P.O. Box 81621
Drilling End Dt:	2006-01-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78708
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Brian Kern	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.38
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	48
Chemical Analysis:		Longitude:	-97.724722
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29
Grid No:	58-35-7		
Company Name:	Total Support Services		
Well Location Description:			
Comments:	2006-010		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=75187&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	SE	0.38	1,985.54	778.98	SDR WELLS

License No:	2897	Well Address1:	9715 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	294060	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:	59167	Owner Name:	Thrivent Financial for Lutherans
No of Wells Drill:		Owner Addr1:	625 4th Ave S
Date Submitted:	2012-07-30	Owner Addr2:	
Type of Work:	New Well	Owner City:	Minneapolis
Typ of Wrk Oth Descr:		Owner State:	MN
Seal Method:	Unknown	Owner Zip:	55415
Seal Mthd Oth Descr:		Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2012-07-19	Driller Address1:	5222 Thunder Creek Road
Drilling End Dt:	2012-07-19	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:	Hamilton McRae	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.381111
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	52
Chemical Analysis:	No	Longitude:	-97.722778
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	22
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:	Water Level: dry.		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=294060&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.36	1,877.01	759.98	SDR WELLS

License No:	54776	Well Address1:	9601 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	327445	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:	59190	Owner Name:	City of Austin Real Estate Services
No of Wells Drill:		Owner Addr1:	505 Barton Springs Rd,Ste.1300
Date Submitted:	2013-07-26	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78704
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Robert Joiner
Drilling Start Dt:	2013-07-16	Driller Address1:	4412 Bluemel Road

Wells and Additional Sources Detail Report

Drilling End Dt:	2013-07-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Robert Joiner	Dist to Prop Line:	
Apprentice Signed:	Heriberto Martinez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.379722
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	47
Chemical Analysis:		Longitude:	-97.724722
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=327445&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.36	1,877.01	759.98	SDR WELLS

License No:	54776	Well Address1:	9601 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	327416	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:	59190	Owner Name:	City of Austin Real Estate Services
No of Wells Drill:		Owner Addr1:	505 Barton Springs Rd, Ste. 1300
Date Submitted:	2013-07-26	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78704
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Robert Joiner
Drilling Start Dt:	2013-07-16	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2013-07-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: Yes	Dist to Sep Contam:	
Sealed by Name:	Dist to Septic Tk:	
Driller Signed: Robert Joiner	Dist to Prop Line:	
Apprentice Signed: Heriberto Martinez	Dist Verifi Method:	
Surface Compl: Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:	Elevation:	
Complt by Driller:	Latitude:	30.379722
Pump Type:	Lat Degree:	30
Pump Type Oth Descr:	Lat Minute:	22
Pump Depth:	Lat Second:	47
Chemical Analysis:	Longitude:	-97.724722
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	29
Grid No: 58-35-7		
Company Name: Vortex Drilling, Inc.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=327416&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.36	1,877.01	759.98	SDR WELLS

License No: 54776	Well Address1: 9601 Burnet Road
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 327413	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-1
Apprentice Reg No: 59190	Owner Name: City of Austin Real Estate Services
No of Wells Drill:	Owner Addr1: 505 Barton Springs Rd,Ste.1300
Date Submitted: 2013-07-26	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78704
Seal Mthd Oth Descr:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Robert Joiner
Drilling Start Dt: 2013-07-16	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2013-07-16	Driller Addr2:
Proposed Use: Monitor	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Robert Joiner Apprentice Signed: Heriberto Martinez Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling, Inc. Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=327413&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.379722 Lat Degree: 30 Lat Minute: 22 Lat Second: 47 Longitude: -97.724722 Long Degree: 97 Long Minute: 43 Long Second: 29
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.36	1,877.01	759.98	SDR WELLS

License No: 54776 PWS No: Plug Rpt Track No: Well Rpt Track No: 327444 Orig Well Rpt Trk No: Apprentice Reg No: 59190 No of Wells Drill: Date Submitted: 2013-07-26 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2013-07-16 Drilling End Dt: 2013-07-16 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No	Well Address1: 9601 Burnet Road Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-3 Owner Name: City of Austin Real Estate Services Owner Addr1: 505 Barton Springs Rd,Ste.1300 Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78704 Owner Country: Driller Name: Robert Joiner Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Robert Joiner	Dist to Prop Line:	
Apprentice Signed:	Heriberto Martinez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.379722
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	47
Chemical Analysis:		Longitude:	-97.724722
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=327444&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	ENE	0.36	1,897.00	780.47	SDR WELLS

License No:	58171	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	633569	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-12
Apprentice Reg No:		Owner Name:	Ironwood Real Estate, LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard
Date Submitted:	2023-03-10	Owner Addr2:	Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	78701
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Jaime Vasquez
Drilling Start Dt:	2023-02-24	Driller Address1:	PO BOX 19064
Drilling End Dt:	2023-02-24	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Houston
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77224
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	

Wells and Additional Sources Detail Report

Driller Signed:	Jaime Vasquez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.388665
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	19.19
Chemical Analysis:	No	Longitude:	-97.721475
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	17.31
Grid No:	58-35-7		
Company Name:	Envirotech Drilling Services LLC		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=633569&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	ENE	0.37	1,945.26	777.19	SDR WELLS

License No:	58171	Well Address1:	10435 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	616905	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-11
Apprentice Reg No:		Owner Name:	Ironwood Real Estate, LP
No of Wells Drill:	1	Owner Addr1:	207 San Jacinto Boulevard
Date Submitted:	2022-09-09	Owner Addr2:	Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Jaime Vasquez
Drilling Start Dt:	2022-09-01	Driller Address1:	PO BOX 19064
Drilling End Dt:	2022-09-01	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Houston
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77224
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Jaime Vasquez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	

Wells and Additional Sources Detail Report

Surface Compl:	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.388227
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 17.62
Chemical Analysis: No	Longitude: -97.721132
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 16.08
Grid No: 58-35-7	
Company Name: Envirotech Drilling Services LLC	
Well Location Description:	
Comments: bgs - Below Ground Surface No soil samples were collected	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=616905&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NE	0.38	1,989.27	785.60	SDR WELLS

License No: 59656	Well Address1: 10615 Burnet Road
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 495285	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: GW3
Apprentice Reg No:	Owner Name: Capella Capital Commercial Partners
No of Wells Drill: 1	Owner Addr1: 6836 Bee Caves Rd
Date Submitted: 2018-11-10	Owner Addr2: Building 1, Suite 330
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78746
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Hamilton Lane Mcrae
Drilling Start Dt: 2018-10-31	Driller Address1: 1316 Ridgefield Loop
Drilling End Dt: 2018-10-31	Driller Addr2:
Proposed Use: Other	Driller City: Round Rock
Prop Use Oth Descr: Piezometer	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78665
Aprv by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Hamilton L. McRae	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type: NAD83
Surf Comp Oth Desc:	Elevation: 778

Wells and Additional Sources Detail Report

Complt by Driller:	Yes	Latitude:	30.389413
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	21.89
Chemical Analysis:	No	Longitude:	-97.721575
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	17.67
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:	located in the lot on the north side of the Rent Equip yard.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=495285&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	ENE	0.41	2,179.91	767.96	SDR WELLS

License No:	59656	Well Address1:	10414 MC KALLA PL
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	499582	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B1
Apprentice Reg No:		Owner Name:	Precourt Sports Ventures, LLC
No of Wells Drill:	1	Owner Addr1:	5075 S. Syracuse Street
Date Submitted:	2019-01-02	Owner Addr2:	Suite 700
Type of Work:	New Well	Owner City:	Denver
Typ of Wrk Oth Descr:		Owner State:	CO
Seal Method:	Hand Mixed	Owner Zip:	80237
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Hamilton Lane Mcrae
Drilling Start Dt:	2018-12-27	Driller Address1:	1316 Ridgefield Loop
Drilling End Dt:	2018-12-27	Driller Addr2:	
Proposed Use:	Other	Driller City:	Round Rock
Prop Use Oth Descr:	Piezo	Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78665
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L. McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Desc:		Elevation:	764
Complt by Driller:	Yes	Latitude:	30.388256
Pump Type:		Lat Degree:	30

Wells and Additional Sources Detail Report

Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 17.72
Chemical Analysis: No	Longitude: -97.720367
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 13.32
Grid No: 58-35-7	
Company Name: Austin Geo-Logic	
Well Location Description:	Access for site is off south of Discount Tire located at Burnet Road and Braker Lane. Take the road behind the Discount tire into the City of Austin storage and materials yard. Piezo is in their yard.
Comments:	
Data Source:	Full SDR Database; SDRDB Well Location (Map)
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=499582&Type=SDR-Well

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	E	0.43	2,282.31	759.98	SDR WELLS

License No: 59656	Well Address1: 10414 MC KALLA PL
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 499585	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B9
Apprentice Reg No:	Owner Name: Precourt Sports Ventures, LLC
No of Wells Drill: 1	Owner Addr1: 5075 S. Syracuse Street
Date Submitted: 2019-01-02	Owner Addr2: Suite 700
Type of Work: New Well	Owner City: Denver
Typ of Wrk Oth Descr:	Owner State: CO
Seal Method: Hand Mixed	Owner Zip: 80237
Seal Mthd Oth Descr:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Hamilton Lane Mcrae
Drilling Start Dt: 2018-12-27	Driller Address1: 1316 Ridgefield Loop
Drilling End Dt: 2018-12-27	Driller Addr2:
Proposed Use: Other	Driller City: Round Rock
Prop Use Oth Descr: Piezo	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78665
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Hamilton L. McRae	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type: NAD83
Surf Comp Oth Descr:	Elevation: 756
Complt by Driller: Yes	Latitude: 30.386739
Pump Type:	Lat Degree: 30
Pump Type Oth Descr:	Lat Minute: 23
Pump Depth:	Lat Second: 12.26

Wells and Additional Sources Detail Report

Chemical Analysis:	No	Longitude:	-97.719797
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	11.27
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:	Access for site is off south of Discount Tire located at Burnet Road and Braker Lane. Take the road behind the Discount tire into the City of Austin storage and materials yard. Piezo is in their yard.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=499585&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	ENE	0.41	2,185.16	774.37	SDR WELLS

License No:	59656	Well Address1:	10615 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	495282	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	GW1
Apprentice Reg No:		Owner Name:	Capella Capital Commercial Partners
No of Wells Drill:	1	Owner Addr1:	6836 Bee Caves Rd
Date Submitted:	2018-11-10	Owner Addr2:	Building 1, Suite 330
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Hamilton Lane Mcrae
Drilling Start Dt:	2018-10-08	Driller Address1:	1316 Ridgefield Loop
Drilling End Dt:	2018-10-08	Driller Addr2:	
Proposed Use:	Other	Driller City:	Round Rock
Prop Use Oth Descr:	Piezometer	Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78665
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L. McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Descr:		Elevation:	776
Complt by Driller:	Yes	Latitude:	30.389583
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	22.5
Chemical Analysis:	No	Longitude:	-97.720972

Wells and Additional Sources Detail Report

Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	15.5
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:	located in the lot on the north side of the Rent Equip yard.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=495282&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ENE	0.43	2,249.25	764.67	SDR WELLS

License No:	4868	Well Address1:	10601 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	439891	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	City of Austin
No of Wells Drill:	1	Owner Addr1:	P.O. Box 1088
Date Submitted:	2017-01-03	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78767
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-12-27	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-12-27	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	Tony Elmendorf	Dist Verifi Method:	
Surface Compl:	Surface Sleeve Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.388074
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	17.07
Chemical Analysis:	No	Longitude:	-97.720087
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43

Wells and Additional Sources Detail Report

Known Loc Error:	No	Long Second:	12.31
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=439891&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ENE	0.43	2,249.25	764.67	SDR WELLS

License No:	4868	Well Address1:	10601 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	439892	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	City of Austin
No of Wells Drill:	1	Owner Addr1:	P.O. Box 1088
Date Submitted:	2017-01-03	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78767
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-12-27	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-12-27	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	Tony Elmendorf	Dist Verifi Method:	
Surface Compl:	Surface Sleeve Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.388074
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	17.07
Chemical Analysis:	No	Longitude:	-97.720087
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	12.31
Grid No:	58-35-7		

Wells and Additional Sources Detail Report

Company Name: Vortex Drilling Inc.
 Well Location Description:
 Comments:
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=439892&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	E	0.48	2,510.12	757.92	SDR WELLS

License No:	4868	Well Address1:	10301 McKalla Place
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	589697	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:		Owner Name:	CREA Capital GP, LLC
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2021-11-23	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2021-10-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2021-10-25	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:	Steven Garcia	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.384336
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	3.61
Chemical Analysis:	No	Longitude:	-97.719544
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	10.36
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			

Wells and Additional Sources Detail Report

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=589697&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	ENE	0.44	2,309.47	769.49	SDR WELLS

License No:	59656	Well Address1:	10615 Burnet Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	495284	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	GW2
Apprentice Reg No:		Owner Name:	Capella Capital Commercial Partners
No of Wells Drill:	1	Owner Addr1:	6836 Bee Caves Rd
Date Submitted:	2018-11-10	Owner Addr2:	Building 1, Suite 330
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Hamilton Lane Mcrae
Drilling Start Dt:	2018-10-31	Driller Address1:	1316 Ridgefield Loop
Drilling End Dt:	2018-10-31	Driller Addr2:	
Proposed Use:	Other	Driller City:	Round Rock
Prop Use Oth Descr:	Piezometer	Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78665
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L. McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Descr:		Elevation:	771
Complt by Driller:	Yes	Latitude:	30.389747
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	23.09
Chemical Analysis:	No	Longitude:	-97.720626
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	14.25
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:	located in the lot on the north side of the Rent Equip yard.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		

Wells and Additional Sources Detail Report

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=495284&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	E	0.50	2,621.38	755.62	SDR WELLS

License No:	55002	Well Address1:	10109/10201/10209/10301 Mc Kalla Place
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	598659	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-5
Apprentice Reg No:	60326	Owner Name:	Mc Kalla Place
No of Wells Drill:	1	Owner Addr1:	CREA Capital GP LLC
Date Submitted:	2022-03-07	Owner Addr2:	1601 South Mopac Expressway, Suite 175
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Gary B Leifeste
Drilling Start Dt:	2022-01-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2022-01-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste*	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.384341
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	3.63
Chemical Analysis:	No	Longitude:	-97.719168
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	9
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=598659&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	ESE	0.52	2,731.58	755.98	SDR WELLS

License No:	55002	Well Address1:	10109/10201/10209/10301 Mc Kalla Place
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	598662	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-6
Apprentice Reg No:	60326	Owner Name:	Mc Kalla Place
No of Wells Drill:	1	Owner Addr1:	CREA Capital GP LLC
Date Submitted:	2022-03-07	Owner Addr2:	1601 South Mopac Expressway, Suite 175
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Gary B Leifeste
Drilling Start Dt:	2022-01-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2022-01-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste*	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.383862
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	1.9
Chemical Analysis:	No	Longitude:	-97.718994
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	8.38
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=598662&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	E	0.52	2,731.77	754.26	SDR WELLS
License No:	4868	Well Address1:	10301 McKalla Place		
PWS No:		Well Addr2:			
Plug Rpt Track No:		Well City:	Austin		
Well Rpt Track No:	589571	Well Zip:	78758		
Orig Well Rpt Trk No:		Owner Well No:	MW-2		
Apprentice Reg No:		Owner Name:	CREA Capital GP, LLC		
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175		
Date Submitted:	2021-11-22	Owner Addr2:			
Type of Work:	New Well	Owner City:	Austin		
Typ of Wrk Oth Descr:		Owner State:	TX		
Seal Method:	Hand Mixed	Owner Zip:	78746		
Seal Mthd Oth Desc:		Owner Country:			
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal		
Drilling Start Dt:	2021-10-25	Driller Address1:	4412 Bluemel Road		
Drilling End Dt:	2021-10-25	Driller Addr2:			
Proposed Use:	Monitor	Driller City:	San Antonio		
Prop Use Oth Descr:		Driller State:	TX		
TCEQ Approve Plans:		Driller Zip:	78240		
Apprve by Variance:		Driller Oth Cntry:			
Loc Vfy by Driller:	Yes	Driller Country:			
Sealed by Driller:	Yes	Dist to Sep Contam:			
Sealed by Name:		Dist to Septic Tk:			
Driller Signed:	James E. Neal	Dist to Prop Line:			
Apprentice Signed:	Steven Garcia	Dist Verifi Method:			
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:			
Surf Comp Oth Descr:		Elevation:			
Complt by Driller:	Yes	Latitude:	30.384138		
Pump Type:		Lat Degree:	30		
Pump Type Oth Descr:		Lat Minute:	23		
Pump Depth:		Lat Second:	2.9		
Chemical Analysis:	No	Longitude:	-97.718879		
Injurious Water:	No	Long Degree:	97		
County:	Travis	Long Minute:	43		
Known Loc Error:	No	Long Second:	7.96		
Grid No:	58-35-7				
Company Name:	Vortex Drilling Partners, LP				
Well Location Description:					
Comments:					
Data Source:	Full SDR Database; SDRDB Well Location (Map)				
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=589571&Type=SDR-Well				

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

72	E	0.51	2,718.43	753.27	SDR WELLS
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License No:	4868	Well Address1:	10301 McKalla Place
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	589496	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	CREA Capital GP, LLC
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2021-11-19	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2021-10-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2021-10-25	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:	Steven Garcia	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.38442
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	3.91
Chemical Analysis:	No	Longitude:	-97.718814
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	7.73
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=589496&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	ESE	0.53	2,785.74	755.17	SDR WELLS

Wells and Additional Sources Detail Report

License No:	4868	Well Address1:	10301 McKalla Place
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	589680	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	CREA Capital GP, LLC
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2021-11-23	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2021-10-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2021-10-25	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:	Steven Garcia	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.383769
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	1.57
Chemical Analysis:	No	Longitude:	-97.71885
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	7.86
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, LP		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=589680&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	E	0.53	2,776.65	752.67	SDR WELLS

License No:	55002	Well Address1:	10109/10201/10209/10301 Mc
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Wells and Additional Sources Detail Report

Kalla Place

PWS No: Plug Rpt Track No: Well Rpt Track No: 598665 Orig Well Rpt Trk No: Apprentice Reg No: 60326 No of Wells Drill: 1 Date Submitted: 2022-03-07 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2022-01-04 Drilling End Dt: 2022-01-04 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Aprv by Variance: Loc Vfy by Driller: Yes Sealed by Driller: Yes Sealed by Name: Driller Signed: Gary B. Leifeste* Apprentice Signed: Steven Stackhouse Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Yes Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Partners, LP Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=598665&Type=SDR-Well	Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-7 Owner Name: Mc Kalla Place Owner Addr1: CREA Capital GP LLC Owner Addr2: 1601 South Mopac Expressway, Suite 175 Owner City: Austin Owner State: TX Owner Zip: 78746 Owner Country: Driller Name: Gary B Leifeste Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.384377 Lat Degree: 30 Lat Minute: 23 Lat Second: 3.76 Longitude: -97.718636 Long Degree: 97 Long Minute: 43 Long Second: 7.09
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.54	2,833.84	766.41	SDR WELLS

License No: 4926 PWS No:	Well Address1: 2315 Rutland Dr. Well Addr2:
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Wells and Additional Sources Detail Report

Plug Rpt Track No: Well Rpt Track No: 45405 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2004-09-24 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Tremie Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2004-08-19 Drilling End Dt: 2004-08-19 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Lloyd Bruce Milton Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Best Drilling Services, Inc. Well Location Description: Comments: Project #: 96047830.005 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45405&Type=SDR-Well	Well City: Austin Well Zip: Owner Well No: MW-3 Owner Name: CH Realty/Acquisitions III, L.L.C. Owner Addr1: 2100 McKinney Avenue, Suite 70 Owner Addr2: Owner City: Dallas Owner State: TX Owner Zip: 75201 Owner Country: Driller Name: Lloyd Bruce Milton Driller Address1: P.O. Box 845 Driller Addr2: Driller City: Friendswood Driller State: TX Driller Zip: 77549 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: 776 Latitude: 30.381944 Lat Degree: 30 Lat Minute: 22 Lat Second: 55 Longitude: -97.719444 Long Degree: 97 Long Minute: 43 Long Second: 10
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.54	2,833.84	766.41	SDR WELLS

License No: 4926 PWS No: Plug Rpt Track No: Well Rpt Track No: 45411	Well Address1: 2315 Rutland Dr. Well Addr2: Well City: Austin Well Zip:
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Wells and Additional Sources Detail Report

<p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill:</p> <p>Date Submitted: 2004-09-24</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Tremie</p> <p>Seal Mthd Oth Descr:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2004-08-19</p> <p>Drilling End Dt: 2004-08-19</p> <p>Proposed Use: Environmental Soil Boring</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Aprve by Variance:</p> <p>Loc Vfy by Driller: No</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: Lloyd Bruce Milton</p> <p>Apprentice Signed:</p> <p>Surface Compl: Unknown</p> <p>Surf Comp Oth Descr:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Descr:</p> <p>Pump Depth:</p> <p>Chemical Analysis:</p> <p>Injurious Water:</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Best Drilling Services, Inc.</p> <p>Well Location Description:</p> <p>Comments: Project #: 96047830.005</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45411&Type=SDR-Well</p>	<p>Owner Well No: SB-4</p> <p>Owner Name: CH Realty/Acquisitions III, L.L.C.</p> <p>Owner Addr1: 2100 McKinney Avenue, Suite 70</p> <p>Owner Addr2:</p> <p>Owner City: Dallas</p> <p>Owner State: TX</p> <p>Owner Zip: 75201</p> <p>Owner Country:</p> <p>Driller Name: Lloyd Bruce Milton</p> <p>Driller Address1: P.O. Box 845</p> <p>Driller Addr2:</p> <p>Driller City: Friendswood</p> <p>Driller State: TX</p> <p>Driller Zip: 77549</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.381944</p> <p>Lat Degree: 30</p> <p>Lat Minute: 22</p> <p>Lat Second: 55</p> <p>Longitude: -97.719444</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 10</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.54	2,833.84	766.41	SDR WELLS

<p>License No: 4926</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 45410</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p>	<p>Well Address1: 2315 Rutland Dr.</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip:</p> <p>Owner Well No: SB-3</p> <p>Owner Name: CH Realty/Acquisitions III, L.L.C.</p>
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Wells and Additional Sources Detail Report

<p>No of Wells Drill:</p> <p>Date Submitted: 2004-09-24</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Tremie</p> <p>Seal Mthd Oth Desc:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2004-08-19</p> <p>Drilling End Dt: 2004-08-19</p> <p>Proposed Use: Environmental Soil Boring</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Apprve by Variance:</p> <p>Loc Vfy by Driller: No</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: Lloyd Bruce Milton</p> <p>Apprentice Signed:</p> <p>Surface Compl: Unknown</p> <p>Surf Comp Oth Desc:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Desc:</p> <p>Pump Depth:</p> <p>Chemical Analysis:</p> <p>Injurious Water:</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Best Drilling Services, Inc.</p> <p>Well Location Description:</p> <p>Comments: Project #: 96047830.005</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45410&Type=SDR-Well</p>	<p>Owner Addr1: 2100 McKinney Avenue, Suite 70</p> <p>Owner Addr2:</p> <p>Owner City: Dallas</p> <p>Owner State: TX</p> <p>Owner Zip: 75201</p> <p>Owner Country:</p> <p>Driller Name: Lloyd Bruce Milton</p> <p>Driller Address1: P.O. Box 845</p> <p>Driller Addr2:</p> <p>Driller City: Friendswood</p> <p>Driller State: TX</p> <p>Driller Zip: 77549</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.381944</p> <p>Lat Degree: 30</p> <p>Lat Minute: 22</p> <p>Lat Second: 55</p> <p>Longitude: -97.719444</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 10</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.54	2,833.84	766.41	SDR WELLS

<p>License No: 4926</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 45408</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill:</p> <p>Date Submitted: 2004-09-24</p>	<p>Well Address1: 2315 Rutland Dr.</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip:</p> <p>Owner Well No: SB-1</p> <p>Owner Name: CH Realty/Acquisitions III, L.L.C.</p> <p>Owner Addr1: 2100 McKinney Avenue, Suite 70</p> <p>Owner Addr2:</p>
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Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Dallas
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-19	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-19	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.381944
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	55
Chemical Analysis:		Longitude:	-97.719444
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	10
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			
Comments:	Project #: 96047830.005		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45408&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.54	2,833.84	766.41	SDR WELLS

License No:	4926	Well Address1:	2315 Rutland Dr.
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45409	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	SB-2
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-09-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	Dallas
Typ of Wrk Oth Descr:		Owner State:	TX

Wells and Additional Sources Detail Report

Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-19	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-19	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Friendswood
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77549
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Lloyd Bruce Milton	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.381944
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	55
Chemical Analysis:		Longitude:	-97.719444
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	10
Grid No:	58-35-7		
Company Name:	Best Drilling Services, Inc.		
Well Location Description:			
Comments:	Project #: 96047830.005		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45409&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ENE	0.49	2,597.12	758.08	SDR WELLS

License No:	2897	Well Address1:	2501 W Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	366389	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW2
Apprentice Reg No:		Owner Name:	Coastal Rim Properties
No of Wells Drill:		Owner Addr1:	7610 Isabella Way
Date Submitted:	2014-06-19	Owner Addr2:	
Type of Work:	New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	78758
Seal Mthd Oth Descr:	open hole	Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-06-10	Driller Address1:	5222 Thunder Creek Road, SteB2
Drilling End Dt:	2014-06-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	N/A
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	N/A
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	760
Complt by Driller:		Latitude:	30.389445
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	n/a	Lat Minute:	23
Pump Depth:		Lat Second:	22
Chemical Analysis:	No	Longitude:	-97.719444
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	10
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=366389&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	ENE	0.49	2,597.12	758.08	SDR WELLS

License No:	2897	Well Address1:	2501 W. Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:	146117	Well City:	Austin
Well Rpt Track No:	362818	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B4
Apprentice Reg No:		Owner Name:	Coastal Rim Properties
No of Wells Drill:		Owner Addr1:	7610 Isabella Way
Date Submitted:	2014-05-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	95020
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-04-22	Driller Address1:	5222 Thunder Creek Rd. B-2

Wells and Additional Sources Detail Report

Drilling End Dt:	2014-04-22	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78769
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	759
Complt by Driller:		Latitude:	30.389445
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	22
Chemical Analysis:	Yes	Longitude:	-97.719444
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	10
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362818&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ESE	0.54	2,867.89	767.31	SDR WELLS

License No:	4926	Well Address1:	2315 Rutland Dr.
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	45404	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:		Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	2004-09-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	Dallas
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Tremie	Owner Zip:	75201
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	2004-08-18	Driller Address1:	P.O. Box 845
Drilling End Dt:	2004-08-18	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Friendswood

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	77549
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller:	Driller Country:	
Sealed by Driller:	Dist to Sep Contam:	
Sealed by Name:	Dist to Septic Tk:	
Driller Signed:	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl:	Horizon Datum Type:	
Surf Comp Oth Desc:	Elevation:	772
Complt by Driller:	Latitude:	30.381667
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	54
Chemical Analysis:	Longitude:	-97.719444
Injurious Water:	Long Degree:	97
County:	Long Minute:	43
Known Loc Error:	Long Second:	10
Grid No:		
Company Name:		
Well Location Description:		
Comments:		
Data Source:		
Drillers Well Report:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ESE	0.54	2,867.89	767.31	SDR WELLS

License No:	Well Address1:	2315 Rutland Dr.
PWS No:	Well Addr2:	
Plug Rpt Track No:	Well City:	Austin
Well Rpt Track No:	Well Zip:	
Orig Well Rpt Trk No:	Owner Well No:	MW-1
Apprentice Reg No:	Owner Name:	CH Realty/Acquisitions III, L.L.C.
No of Wells Drill:	Owner Addr1:	2100 McKinney Avenue, Suite 70
Date Submitted:	Owner Addr2:	
Type of Work:	Owner City:	Dallas
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method:	Owner Zip:	75201
Seal Mthd Oth Desc:	Owner Country:	
Plugged w/i 48Hrs:	Driller Name:	Lloyd Bruce Milton
Drilling Start Dt:	Driller Address1:	P.O. Box 845
Drilling End Dt:	Driller Addr2:	
Proposed Use:	Driller City:	Friendswood
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	77549

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Lloyd Bruce Milton Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Best Drilling Services, Inc. Well Location Description: Comments: Project #: 96047830.005 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=45403&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: 768 Latitude: 30.381667 Lat Degree: 30 Lat Minute: 22 Lat Second: 54 Longitude: -97.719444 Long Degree: 97 Long Minute: 43 Long Second: 10
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	ENE	0.50	2,621.64	755.06	SDR WELLS

License No: 59656 PWS No: Plug Rpt Track No: Well Rpt Track No: 499583 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: 1 Date Submitted: 2019-01-02 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Descr: Plugged w/i 48Hrs: No Drilling Start Dt: 2018-12-27 Drilling End Dt: 2018-12-27 Proposed Use: Other Prop Use Oth Descr: Piezo TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes	Well Address1: 10414 MC KALLA PL Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: B3 Owner Name: Precourt Sports Ventures, LLC Owner Addr1: 5075 S. Syracuse Street Owner Addr2: Suite 700 Owner City: Denver Owner State: CO Owner Zip: 80237 Owner Country: Driller Name: Hamilton Lane Mcrae Driller Address1: 1316 Ridgefield Loop Driller Addr2: Driller City: Round Rock Driller State: TX Driller Zip: 78665 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L. McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Desc:		Elevation:	753
Complt by Driller:	Yes	Latitude:	30.388756
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	19.52
Chemical Analysis:	No	Longitude:	-97.719075
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	8.67
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:	Access for site is off south of Discount Tire located at Burnet Road and Braker Lane. Take the road behind the Discount tire into the City of Austin storage and materials yard. Piezo is in their yard.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=499583&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	ESE	0.55	2,898.14	755.56	SDR WELLS

License No:	58171	Well Address1:	10220 Metropolitan Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	578289	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	HPI Real Estate Services and Investments Inc
No of Wells Drill:	1	Owner Addr1:	3700 N Capital of Texas Highway
Date Submitted:	2021-07-13	Owner Addr2:	Suite 420
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Jaime Vasquez
Drilling Start Dt:	2021-06-24	Driller Address1:	PO BOX 19064
Drilling End Dt:	2021-06-24	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Houston
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77224
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	

Wells and Additional Sources Detail Report

Sealed by Name:	Dist to Septic Tk:
Driller Signed: Jaime Vasquez	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller: Yes	Latitude: 30.383417
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 0.3
Chemical Analysis: No	Longitude: -97.718617
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 7.02
Grid No: 58-35-7	
Company Name: Envirotech Drilling Services LLC	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578289&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	E	0.55	2,878.86	750.96	SDR WELLS

License No: 58171	Well Address1: 10220 Metropolitan Drive
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 578286	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-2
Apprentice Reg No:	Owner Name: HPI Real Estate Services and Investments Inc
No of Wells Drill: 1	Owner Addr1: 3700 N Capital of Texas Highway
Date Submitted: 2021-07-13	Owner Addr2: Suite 420
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Poured	Owner Zip: 78746
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Jaime Vasquez
Drilling Start Dt: 2021-06-24	Driller Address1: PO BOX 19064
Drilling End Dt: 2021-06-24	Driller Addr2:
Proposed Use: Monitor	Driller City: Houston
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 77224
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Jaime Vasquez	Dist to Prop Line:

Wells and Additional Sources Detail Report

Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller: Yes	Latitude: 30.384115
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 2.81
Chemical Analysis: No	Longitude: -97.718394
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 6.22
Grid No: 58-35-7	
Company Name: Envirotech Drilling Services LLC	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578286&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	E	0.52	2,748.78	748.06	SDR WELLS

License No: 59656	Well Address1: 10414 MC KALLA PL
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 499588	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B11
Apprentice Reg No:	Owner Name: Precourt Sports Ventures, LLC
No of Wells Drill: 1	Owner Addr1: 5075 S. Syracuse Street
Date Submitted: 2019-01-02	Owner Addr2: Suite 700
Type of Work: New Well	Owner City: Denver
Typ of Wrk Oth Descr:	Owner State: CO
Seal Method: Hand Mixed	Owner Zip: 80237
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Hamilton Lane Mcrae
Drilling Start Dt: 2018-12-27	Driller Address1: 1316 Ridgefield Loop
Drilling End Dt: 2018-12-27	Driller Addr2:
Proposed Use: Other	Driller City: Round Rock
Prop Use Oth Descr: Piezo	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78665
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Hamilton L. McRae	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type: NAD83

Wells and Additional Sources Detail Report

Surf Comp Oth Desc:	Elevation: 754
Complt by Driller: Yes	Latitude: 30.387172
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 13.82
Chemical Analysis: No	Longitude: -97.718336
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 6.01
Grid No: 58-35-7	
Company Name: Austin Geo-Logic	
Well Location Description: Access for site is off south of Discount Tire located at Burnet Road and Braker Lane. Take the road behind the Discount tire into the City of Austin storage and materials yard. Piezo is in their yard.	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=499588&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	ENE	0.51	2,691.91	753.56	SDR WELLS

License No: 2897	Well Address1: 2501 W. Braker Lane
PWS No:	Well Addr2:
Plug Rpt Track No: 146116	Well City: Austin
Well Rpt Track No: 362816	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B3
Apprentice Reg No:	Owner Name: Coastal Rim Properties
No of Wells Drill:	Owner Addr1: 7610 Isabella Way
Date Submitted: 2014-05-16	Owner Addr2:
Type of Work: New Well	Owner City: Gilroy
Typ of Wrk Oth Descr:	Owner State: CA
Seal Method: Unknown	Owner Zip: 95020
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: Yes	Driller Name: Amador Hinojosa
Drilling Start Dt: 2014-04-22	Driller Address1: 5222 Thunder Creek Rd. B-2
Drilling End Dt: 2014-04-22	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: Austin
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78769
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Amador Hinojosa	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Unknown	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation: 756
Complt by Driller:	Latitude: 30.388889

Wells and Additional Sources Detail Report

Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	20
Chemical Analysis:	Yes	Longitude:	-97.718889
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	8
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362816&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	SSE	0.51	2,699.66	749.03	SDR WELLS

License No:	2859	Well Address1:	9313 McNeil Rd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	58167	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1BS
Apprentice Reg No:		Owner Name:	Capital Metro
No of Wells Drill:		Owner Addr1:	2910 E. 5th St.
Date Submitted:	2005-05-05	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	
Seal Mthd Oth Desc:	tremmied	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Samuel A Ramirez
Drilling Start Dt:	2004-12-15	Driller Address1:	P.O. box 1562
Drilling End Dt:	2005-03-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Marcos
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78667
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Samuel A Ramirez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	741
Complt by Driller:		Latitude:	30.3775
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	22

Wells and Additional Sources Detail Report

Pump Depth:	.00	Lat Second:	39
Chemical Analysis:		Longitude:	-97.723889
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	26
Grid No:	58-35-7		
Company Name:	Coretech Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=58167&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	SSE	0.51	2,699.66	749.03	SDR WELLS

License No:	2859	Well Address1:	9313 McNiel Rd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	58160	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	MW-1BD
Apprentice Reg No:		Owner Name:	Capital Metro
No of Wells Drill:		Owner Addr1:	2910 E. 5th St.
Date Submitted:	2005-05-05	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	
Seal Mthd Oth Desc:	tremmied	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Samuel A Ramirez
Drilling Start Dt:	2004-12-16	Driller Address1:	P.O. box 1562
Drilling End Dt:	2005-03-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Marcos
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78667
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Samuel A Ramirez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	741
Complt by Driller:		Latitude:	30.3775
Pump Type:	Other	Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	22
Pump Depth:	.00	Lat Second:	39
Chemical Analysis:		Longitude:	-97.723889

Wells and Additional Sources Detail Report

Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	26
Grid No:	58-35-7		
Company Name:	Coretech Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=58160&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	E	0.55	2,909.53	746.13	SDR WELLS

License No:	59856	Well Address1:	10300 Metropolitan Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	525431	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:	60326	Owner Name:	CREA Capital GP, LLC
No of Wells Drill:	1	Owner Addr1:	1601 South MoPac Expressway Suite 160
Date Submitted:	2019-10-29	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin, TX
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Juan R Martinez
Drilling Start Dt:	2019-09-19	Driller Address1:	4412 Bluemel
Drilling End Dt:	2019-09-19	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Juan R. Martinez	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.385345
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	7.24
Chemical Analysis:	No	Longitude:	-97.717935
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43

Wells and Additional Sources Detail Report

Known Loc Error:	No	Long Second:	4.57
Grid No:	58-35-7		
Company Name:	Vortex Drilling Partners, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=525431&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	E	0.57	2,983.31	749.68	SDR WELLS

License No:	59856	Well Address1:	10300 Metropolitan Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	525430	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:	60326	Owner Name:	CREA Capital GP, LLC
No of Wells Drill:	1	Owner Addr1:	1601 South MoPac Expressway Suite 160
Date Submitted:	2019-10-29	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin, TX
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Juan R Martinez
Drilling Start Dt:	2019-09-19	Driller Address1:	4412 Bluemel
Drilling End Dt:	2019-09-19	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Juan R. Martinez	Dist to Prop Line:	
Apprentice Signed:	Steven Stackhouse	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.384031
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	2.51
Chemical Analysis:	No	Longitude:	-97.718077
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	5.08
Grid No:	58-35-7		

Wells and Additional Sources Detail Report

Company Name: Vortex Drilling Partners, Inc.
 Well Location Description:
 Comments:
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=525430&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	ENE	0.54	2,859.63	750.62	SDR WELLS

License No:	2897	Well Address1:	2501 W Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	366388	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW1
Apprentice Reg No:		Owner Name:	Coastal Rim Properties
No of Wells Drill:		Owner Addr1:	7610 Isabella Way
Date Submitted:	2014-06-19	Owner Addr2:	
Type of Work:	New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	78758
Seal Mthd Oth Desc:	open hole	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-06-10	Driller Address1:	5222 Thunder Creek Road, SteB2
Drilling End Dt:	2014-06-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	N/A
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	N/A
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	752
Complt by Driller:		Latitude:	30.388889
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:	n/a	Lat Minute:	23
Pump Depth:		Lat Second:	20
Chemical Analysis:	No	Longitude:	-97.718333
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	6
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			

Wells and Additional Sources Detail Report

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=366388&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	E	0.60	3,148.40	749.27	SDR WELLS

License No:	58171	Well Address1:	10220 Metropolitan Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	578280	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	HPI Real Estate Services and Investments Inc
No of Wells Drill:	1	Owner Addr1:	3700 N Capital of Texas Highway
Date Submitted:	2021-07-13	Owner Addr2:	Suite 420
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Jaime Vasquez
Drilling Start Dt:	2021-06-24	Driller Address1:	PO BOX 19064
Drilling End Dt:	2021-06-24	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Houston
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77224
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Jaime Vasquez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.38365
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	1.14
Chemical Analysis:	No	Longitude:	-97.717677
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	3.64
Grid No:	58-35-7		
Company Name:	Envirotech Drilling Services LLC		

Well Location Description:

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Wells and Additional Sources Detail Report

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=578280&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	ENE	0.55	2,883.69	758.16	SDR WELLS

License No:	2897	Well Address1:	2501 W. Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:	146118	Well City:	Austin
Well Rpt Track No:	362819	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B5
Apprentice Reg No:		Owner Name:	Coastal Rim Properties
No of Wells Drill:		Owner Addr1:	7610 Isabella Way
Date Submitted:	2014-05-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	95020
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-04-22	Driller Address1:	5222 Thunder Creek Rd. B-2
Drilling End Dt:	2014-04-22	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78769
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	759
Complt by Driller:		Latitude:	30.390278
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	25
Chemical Analysis:	Yes	Longitude:	-97.718889
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	8
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:	water level: Dry		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362819&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	SSE	0.54	2,872.84	750.16	SDR WELLS
<div> <div> License No: 59656 PWS No: Plug Rpt Track No: Well Rpt Track No: 468520 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: 1 Date Submitted: 2018-01-12 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2017-12-04 Drilling End Dt: 2017-12-04 Proposed Use: Other Prop Use Oth Descr: piezometer TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes Sealed by Driller: Yes Sealed by Name: Driller Signed: Hamilton L. McRae Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Yes Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Austin Geo-Logic Well Location Description: Located in the NW corner of the lot with the large warehouse. Comments: dry hole. Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=468520&Type=SDR-Well </div> <div> Well Address1: 9315 McNeil Road Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: B1 Owner Name: Capital Metro Transit Authority Owner Addr1: 2910 East 5th Street Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78702 Owner Country: Driller Name: Hamilton Lane Mcrae Driller Address1: 1402 Yogi Berra CV Driller Addr2: Driller City: Round Rock Driller State: TX Driller Zip: 78665 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: NAD83 Elevation: 751 Latitude: 30.37675 Lat Degree: 30 Lat Minute: 22 Lat Second: 36.3 Longitude: -97.724367 Long Degree: 97 Long Minute: 43 Long Second: 27.72 </div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.55	2,923.06	753.31	SDR WELLS

Wells and Additional Sources Detail Report

<p>License No: 2897</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 366396</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill:</p> <p>Date Submitted: 2014-06-19</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Other</p> <p>Seal Mthd Oth Desc: open hole</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2014-06-10</p> <p>Drilling End Dt: 2014-06-10</p> <p>Proposed Use: Monitor</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Aprvr by Variance:</p> <p>Loc Vfy by Driller: No</p> <p>Sealed by Driller: No</p> <p>Sealed by Name:</p> <p>Driller Signed: Amador Hinojosa</p> <p>Apprentice Signed:</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Desc:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Desc: n/a</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Austin Geo-Logic</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=366396&Type=SDR-Well</p>	<p>Well Address1: 2501 W Braker Lane</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: MW3</p> <p>Owner Name: Coastal Rim Properties</p> <p>Owner Addr1: 7610 Isabella Way</p> <p>Owner Addr2:</p> <p>Owner City: Gilroy</p> <p>Owner State: TX</p> <p>Owner Zip: 78758</p> <p>Owner Country:</p> <p>Driller Name: Amador Hinojosa</p> <p>Driller Address1: 5222 Thunder Creek Road, SteB2</p> <p>Driller Addr2:</p> <p>Driller City: Austin</p> <p>Driller State: TX</p> <p>Driller Zip: 78759</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam: N/A</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line: N/A</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation: 755</p> <p>Latitude: 30.389445</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 22</p> <p>Longitude: -97.718333</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 6</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.55	2,923.06	753.31	SDR WELLS

Wells and Additional Sources Detail Report

License No: 2897	Well Address1: 2501 W. Braker Lane
PWS No:	Well Addr2:
Plug Rpt Track No: 146115	Well City: Austin
Well Rpt Track No: 362815	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B2
Apprentice Reg No:	Owner Name: Coastal Rim Properties
No of Wells Drill:	Owner Addr1: 7610 Isabella Way
Date Submitted: 2014-05-16	Owner Addr2:
Type of Work: New Well	Owner City: Gilroy
Typ of Wrk Oth Descr:	Owner State: CA
Seal Method: Unknown	Owner Zip: 95020
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: Yes	Driller Name: Amador Hinojosa
Drilling Start Dt: 2014-04-22	Driller Address1: 5222 Thunder Creek Rd. B-2
Drilling End Dt: 2014-04-22	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: Austin
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78769
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Amador Hinojosa	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Unknown	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation: 751
Complt by Driller:	Latitude: 30.389445
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 22
Chemical Analysis: Yes	Longitude: -97.718333
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 6
Grid No: 58-35-7	
Company Name: Austin Geo-Logic	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362815&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	ENE	0.55	2,923.06	753.31	SDR WELLS

License No: 2897	Well Address1: 2501 W. Braker Lane
PWS No:	Well Addr2:

Wells and Additional Sources Detail Report

Plug Rpt Track No: 146114	Well City: Austin
Well Rpt Track No: 362813	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B1
Apprentice Reg No:	Owner Name: Coastal Rim Properties
No of Wells Drill:	Owner Addr1: 7610 Isabella Way
Date Submitted: 2014-05-16	Owner Addr2:
Type of Work: New Well	Owner City: Gilroy
Typ of Wrk Oth Descr:	Owner State: CA
Seal Method: Unknown	Owner Zip: 95020
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: Yes	Driller Name: Amador Hinojosa
Drilling Start Dt: 2014-04-22	Driller Address1: 5222 Thunder Creek Rd. B-2
Drilling End Dt: 2014-04-22	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: Austin
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78769
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Amador Hinojosa	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Unknown	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation: 754
Complt by Driller:	Latitude: 30.389445
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 22
Chemical Analysis: Yes	Longitude: -97.718333
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 6
Grid No: 58-35-7	
Company Name: Austin Geo-Logic	
Well Location Description:	
Comments: water level: Dry	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362813&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	E	0.59	3,115.88	743.88	SDR WELLS

License No: 58171	Well Address1: 10300 Metropolitan Drive
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 544827	Well Zip: 78758

Wells and Additional Sources Detail Report

<p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill: 1</p> <p>Date Submitted: 2020-06-03</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Poured</p> <p>Seal Mthd Oth Descr:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2019-09-19</p> <p>Drilling End Dt: 2019-09-19</p> <p>Proposed Use: Monitor</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Aprv by Variance:</p> <p>Loc Vfy by Driller: Yes</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: Jaime Vasquez</p> <p>Apprentice Signed:</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Descr:</p> <p>Complt by Driller: Yes</p> <p>Pump Type:</p> <p>Pump Type Oth Descr:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Envirotech Drilling Services LLC</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=544827&Type=SDR-Well</p>	<p>Owner Well No: MW-3</p> <p>Owner Name: CREA Capital GP, LLC</p> <p>Owner Addr1: 1601 South Mopac Expressway</p> <p>Owner Addr2: Suite 175</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78746</p> <p>Owner Country:</p> <p>Driller Name: Jaime Vasquez</p> <p>Driller Address1: PO BOX 19064</p> <p>Driller Addr2:</p> <p>Driller City: Houston</p> <p>Driller State: TX</p> <p>Driller Zip: 77224</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.384955</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 5.84</p> <p>Longitude: -97.717353</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 2.47</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	ENE	0.57	3,002.58	748.29	SDR WELLS

<p>License No: 2897</p> <p>PWS No:</p> <p>Plug Rpt Track No: 146120</p> <p>Well Rpt Track No: 362822</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p>	<p>Well Address1: 2501 W. Braker Lane</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: B7</p> <p>Owner Name: Coastal Rim Properties</p>
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Wells and Additional Sources Detail Report

No of Wells Drill:	Owner Addr1:	7610 Isabella Way
Date Submitted: 2014-05-16	Owner Addr2:	
Type of Work: New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:	Owner State:	CA
Seal Method: Unknown	Owner Zip:	95020
Seal Mthd Oth Desc:	Owner Country:	
Plugged w/i 48Hrs: Yes	Driller Name:	Amador Hinojosa
Drilling Start Dt: 2014-04-22	Driller Address1:	5222 Thunder Creek Rd. B-2
Drilling End Dt: 2014-04-22	Driller Addr2:	
Proposed Use: Environmental Soil Boring	Driller City:	Austin
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78769
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: No	Dist to Sep Contam:	
Sealed by Name:	Dist to Septic Tk:	
Driller Signed: Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl: Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:	Elevation:	750
Complt by Driller:	Latitude:	30.388611
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	23
Pump Depth:	Lat Second:	19
Chemical Analysis: Yes	Longitude:	-97.717778
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	4
Grid No: 58-35-7		
Company Name: Austin Geo-Logic		
Well Location Description:		
Comments: water level: Dry		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362822&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.57	3,007.41	754.98	SDR WELLS

License No: 4868	Well Address1: 2601 West Braker Lane
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 418118	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-2
Apprentice Reg No:	Owner Name: Cypress Real Estate Advisors, Inc.
No of Wells Drill: 1	Owner Addr1: 1601 South Mopac Expressway, Suite 175
Date Submitted: 2016-03-28	Owner Addr2:

Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-03-02	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-03-02	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	764
Complt by Driller:	Yes	Latitude:	30.389967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	23.88
Chemical Analysis:	No	Longitude:	-97.718286
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	5.83
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=418118&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.57	3,007.41	754.98	SDR WELLS

License No:	4868	Well Address1:	2601 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	418122	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	VP-1
Apprentice Reg No:		Owner Name:	Cypress Real Estate Advisors, Inc.
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2016-03-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX

Wells and Additional Sources Detail Report

Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-03-02	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-03-02	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	764
Complt by Driller:	Yes	Latitude:	30.389967
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	23.88
Chemical Analysis:	No	Longitude:	-97.718286
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	5.83
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=418122&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.57	3,007.41	754.98	SDR WELLS

License No:	4868	Well Address1:	2601 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	418123	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	VP-2
Apprentice Reg No:		Owner Name:	Cypress Real Estate Advisors, Inc.
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2016-03-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Descr:		Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-03-02	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-03-02	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	764
Complt by Driller:	Yes	Latitude:	30.389967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	23.88
Chemical Analysis:	No	Longitude:	-97.718286
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	5.83
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=418123&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.57	3,007.41	754.98	SDR WELLS

License No:	4868	Well Address1:	2601 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	418115	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	Cypress Real Estate Advisors, Inc.
No of Wells Drill:	1	Owner Addr1:	1601 South Mopac Expressway, Suite 175
Date Submitted:	2016-03-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78746
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-03-02	Driller Address1:	4412 Bluemel Road

Wells and Additional Sources Detail Report

Drilling End Dt:	2016-03-02	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	764
Complt by Driller:	Yes	Latitude:	30.389967
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	23.88
Chemical Analysis:	No	Longitude:	-97.718286
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	5.83
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=418115&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	ENE	0.58	3,056.88	761.84	SDR WELLS

License No:	4227	Well Address1:	2506 W. BRAKER LANE
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	AUSTIN
Well Rpt Track No:	283930	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	
Apprentice Reg No:		Owner Name:	LASERWASH OF BRAKER LANE
No of Wells Drill:		Owner Addr1:	2506 W. BRAKER LANE
Date Submitted:	2012-04-17	Owner Addr2:	
Type of Work:	New Well	Owner City:	AUSTIN
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	78758
Seal Mthd Oth Desc:	PRESSURE TRIMMIE CEMENT	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Aaron G Glass
Drilling Start Dt:	2012-02-07	Driller Address1:	2520 HWY. 290 WEST
Drilling End Dt:	2012-02-07	Driller Addr2:	
Proposed Use:	Industrial	Driller City:	DRIPPING SPRINGS

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78620
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: Yes	Dist to Sep Contam:	75+
Sealed by Name:	Dist to Septic Tk:	
Driller Signed: AARON GLASS	Dist to Prop Line:	45
Apprentice Signed:	Dist Verifi Method:	OWNER
Surface Compl: Surface Sleeve Installed	Horizon Datum Type:	
Surf Comp Oth Descr:	Elevation:	
Complt by Driller:	Latitude:	30.390834
Pump Type: Submersible	Lat Degree:	30
Pump Type Oth Descr:	Lat Minute:	23
Pump Depth:	Lat Second:	27
Chemical Analysis: No	Longitude:	-97.718611
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	7
Grid No: 58-35-7		
Company Name: CENTEX PUMP & SUPPLY, INC.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=283930&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	SSE	0.57	3,014.63	760.17	SDR WELLS

License No: 54834	Well Address1:	9200 Burnett Rd
PWS No:	Well Addr2:	
Plug Rpt Track No:	Well City:	Austin
Well Rpt Track No: 176063	Well Zip:	78758
Orig Well Rpt Trk No:	Owner Well No:	MW1, MW2, MW3
Apprentice Reg No:	Owner Name:	7-11 Store 34251
No of Wells Drill:	Owner Addr1:	9200 Burnett Rd
Date Submitted: 2009-04-27	Owner Addr2:	
Type of Work: New Well	Owner City:	Austin
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method: Other	Owner Zip:	78758
Seal Mthd Oth Descr: Mix	Owner Country:	
Plugged w/i 48Hrs: No	Driller Name:	Michael Bridges
Drilling Start Dt: 2009-04-26	Driller Address1:	5066 Brushcreek Rd
Drilling End Dt: 2009-04-26	Driller Addr2:	
Proposed Use: Monitor	Driller City:	Fort Worth
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	76119

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: Mike Bridges Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: SCI Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=176063&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.375833 Lat Degree: 30 Lat Minute: 22 Lat Second: 33 Longitude: -97.726111 Long Degree: 97 Long Minute: 43 Long Second: 34
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.60	3,155.73	754.86	SDR WELLS

License No: 54616 PWS No: Plug Rpt Track No: Well Rpt Track No: 6096 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2002-03-30 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2002-02-11 Drilling End Dt: 2002-02-11 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No	Well Address1: 2311 West Rundberg Lane Well Addr2: Well City: Austin Well Zip: 78759 Owner Well No: MW-1 Owner Name: Trammell Crow Company Owner Addr1: 400 West 15th St, Ste. 1100 Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78701 Owner Country: Driller Name: Mark Kevin Denson Driller Address1: 5307 Industrial Oaks, Ste. 160 Driller Addr2: Driller City: Austin Driller State: TX Driller Zip: 78735 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.377778
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	40
Chemical Analysis:		Longitude:	-97.721111
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	16
Grid No:	58-35-7		
Company Name:	HBC Engineering		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=6096&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.60	3,155.73	754.86	SDR WELLS

License No:	54616	Well Address1:	2311 West Rundberg Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	6100	Well Zip:	78759
Orig Well Rpt Trk No:		Owner Well No:	MW-5
Apprentice Reg No:		Owner Name:	Trammell Crow Company
No of Wells Drill:		Owner Addr1:	400 West 15th St, Ste. 1100
Date Submitted:	2002-03-30	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2002-02-11	Driller Address1:	5307 Industrial Oaks, Ste. 160
Drilling End Dt:	2002-02-11	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	

Wells and Additional Sources Detail Report

Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.377778
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	40
Chemical Analysis:		Longitude:	-97.721111
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	16
Grid No:	58-35-7		
Company Name:	HBC Engineering		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=6100&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.60	3,155.73	754.86	SDR WELLS

License No:	54616	Well Address1:	2311 West Rundberg Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	6097	Well Zip:	78759
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	Trammell Crow Company
No of Wells Drill:		Owner Addr1:	400 West 15th St, Ste. 1100
Date Submitted:	2002-03-30	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2002-02-11	Driller Address1:	5307 Industrial Oaks, Ste. 160
Drilling End Dt:	2002-02-11	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	

Wells and Additional Sources Detail Report

Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.377778
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	40
Chemical Analysis:		Longitude:	-97.721111
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	16
Grid No:	58-35-7		
Company Name:	HBC Engineering		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=6097&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.60	3,155.73	754.86	SDR WELLS

License No:	54616	Well Address1:	2311 West Rundberg Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	6098	Well Zip:	78759
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	Trammell Crow Company
No of Wells Drill:		Owner Addr1:	400 West 15th St, Ste. 1100
Date Submitted:	2002-03-30	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2002-02-11	Driller Address1:	5307 Industrial Oaks, Ste. 160
Drilling End Dt:	2002-02-11	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	

Wells and Additional Sources Detail Report

Complt by Driller:	Latitude:	30.377778
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	40
Chemical Analysis:	Longitude:	-97.721111
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	16
Grid No: 58-35-7		
Company Name: HBC Engineering		
Well Location Description:		
Comments:		
Data Source:	Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=6098&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.60	3,155.73	754.86	SDR WELLS

License No:	54616	Well Address1:	2311 West Rundberg Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	6099	Well Zip:	78759
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:		Owner Name:	Trammell Crow Company
No of Wells Drill:		Owner Addr1:	400 West 15th St, Ste. 1100
Date Submitted:	2002-03-30	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Mark Kevin Denson
Drilling Start Dt:	2002-02-11	Driller Address1:	5307 Industrial Oaks, Ste. 160
Drilling End Dt:	2002-02-11	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78735
Aprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Mark Kevin Denson	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.377778
Pump Type:		Lat Degree:	30

Wells and Additional Sources Detail Report

Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	40
Chemical Analysis:	Longitude:	-97.721111
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	16
Grid No: 58-35-7		
Company Name: HBC Engineering		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=6099&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	N	0.58	3,076.79	788.75	SDR WELLS

License No:	2897	Well Address1:	3300 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	352836	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW4
Apprentice Reg No:		Owner Name:	SRG Cactus Exploration, LLC
No of Wells Drill:		Owner Addr1:	500 Stevens Avenue
Date Submitted:	2014-01-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	92075
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-01-20	Driller Address1:	5222 Thunder Creek Road, Ste B
Drilling End Dt:	2014-01-20	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	808
Complt by Driller:		Latitude:	30.395556
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:	N/A	Lat Minute:	23
Pump Depth:		Lat Second:	44

Wells and Additional Sources Detail Report

Chemical Analysis:	No	Longitude:	-97.728611
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	43
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=352836&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ENE	0.60	3,159.52	754.22	SDR WELLS

License No:	2897	Well Address1:	2501 W. Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:	146119	Well City:	Austin
Well Rpt Track No:	362821	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B6
Apprentice Reg No:		Owner Name:	Coastal Rim Properties
No of Wells Drill:		Owner Addr1:	7610 Isabella Way
Date Submitted:	2014-05-16	Owner Addr2:	
Type of Work:	New Well	Owner City:	Gilroy
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	95020
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-04-22	Driller Address1:	5222 Thunder Creek Rd. B-2
Drilling End Dt:	2014-04-22	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78769
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	755
Complt by Driller:		Latitude:	30.39
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	24
Chemical Analysis:	Yes	Longitude:	-97.717778
Injurious Water:	No	Long Degree:	97

Wells and Additional Sources Detail Report

County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	4
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:	water level: Dry		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=362821&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SSE	0.60	3,154.68	759.94	SDR WELLS

License No:	3180	Well Address1:	9313 McNeil Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	137956	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	
Apprentice Reg No:		Owner Name:	Capital Metro for Lopez-Garcia Group
No of Wells Drill:		Owner Addr1:	9313 McNeil Road
Date Submitted:	2008-03-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	John E Talbot
Drilling Start Dt:	2005-02-16	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2005-02-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	John Talbot	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.375555
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	32
Chemical Analysis:	No	Longitude:	-97.725555
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	32

Wells and Additional Sources Detail Report

Grid No:	58-35-7
Company Name:	Vortex Drilling, Inc.
Well Location Description:	
Comments:	\$dfs
Data Source:	Full SDR Database; SDRDB Well Location (Map)
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=137956&Type=SDR-Well

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SSE	0.60	3,154.68	759.94	SDR WELLS

License No:	3180	Well Address1:	9313 McNeil Road
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	137957	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	
Apprentice Reg No:		Owner Name:	Capital Metro for Lopez-Garcia Group
No of Wells Drill:		Owner Addr1:	9313 McNeil Road
Date Submitted:	2008-03-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	John E Talbot
Drilling Start Dt:	2005-02-16	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2005-02-16	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	John Talbot	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375555
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	32
Chemical Analysis:	No	Longitude:	-97.725555
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	32
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		

Wells and Additional Sources Detail Report

Well Location Description:

Comments: \$dfs
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=137957&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	NNE	0.63	3,319.65	795.12	SDR WELLS

License No:	2897	Well Address1:	3300 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	352835	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW3
Apprentice Reg No:		Owner Name:	SRG Cactus Exploration, LLC
No of Wells Drill:		Owner Addr1:	500 Stevens Avenue
Date Submitted:	2014-01-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-01-20	Driller Address1:	5222 Thunder Creek Road, Ste B
Drilling End Dt:	2014-01-20	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	808
Complt by Driller:		Latitude:	30.395556
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	23
Pump Depth:		Lat Second:	44
Chemical Analysis:	No	Longitude:	-97.724444
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	28
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			

Wells and Additional Sources Detail Report

Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=352835&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.64	3,358.47	746.21	SDR WELLS

License No:	2859	Well Address1:	9313 McNeil RD
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin TX
Well Rpt Track No:	58173	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-14B
Apprentice Reg No:		Owner Name:	Capital Metro
No of Wells Drill:		Owner Addr1:	2910 E. 5th st.
Date Submitted:	2005-05-05	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Samuel A Ramirez
Drilling Start Dt:	2004-12-16	Driller Address1:	P.O. box 1562
Drilling End Dt:	2005-03-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Marcos
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78667
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Samuel A. Ramirez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	749
Complt by Driller:		Latitude:	30.376111
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	22
Pump Depth:	.00	Lat Second:	34
Chemical Analysis:		Longitude:	-97.7225
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	21
Grid No:	58-35-7		
Company Name:	Coretech Drilling Inc.		
Well Location Description:			
Comments:			

Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=58173&Type=SDR-Well>

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SSE	0.64	3,399.77	745.88	SDR WELLS

License No:	2859	Well Address1:	9313 McNeil Rd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	58210	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-13B
Apprentice Reg No:		Owner Name:	Capital Metro
No of Wells Drill:		Owner Addr1:	2910 E. 5th Street
Date Submitted:	2005-05-05	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Samuel A Ramirez
Drilling Start Dt:	2004-12-15	Driller Address1:	P.O.box 1562
Drilling End Dt:	2005-03-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Marcos
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78667
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Samuel A. Ramirez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	749
Complt by Driller:		Latitude:	30.375833
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	22
Pump Depth:	.00	Lat Second:	33
Chemical Analysis:		Longitude:	-97.722778
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	22
Grid No:	58-35-7		
Company Name:	Coretech Drilling Inc		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=58210&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

129	SSW	0.64	3,401.26	752.30	SDR WELLS
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License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126522	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 13
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126522&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

Wells and Additional Sources Detail Report

License No: 4868	Well Address1: 9150 Research Boulevard
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 131277	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW - 2
Apprentice Reg No:	Owner Name: Town North Nissan
No of Wells Drill:	Owner Addr1: 9150 Research Boulevard
Date Submitted: 2008-01-10	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78758
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: James E Neal
Drilling Start Dt: 2007-12-13	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2007-12-14	Driller Addr2:
Proposed Use: Monitor	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name: Vortex Drilling, Inc.	Dist to Septic Tk:
Driller Signed: James E. Neal	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.375
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 22
Pump Depth:	Lat Second: 30
Chemical Analysis: No	Longitude: -97.731389
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 53
Grid No: 58-35-7	
Company Name: Vortex Drilling Inc.	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=131277&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868	Well Address1: 9150 Research Boulevard
PWS No:	Well Addr2:

Wells and Additional Sources Detail Report

Plug Rpt Track No: Well Rpt Track No: 126523 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2007-11-07 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2007-10-15 Drilling End Dt: 2007-10-15 Proposed Use: Environmental Soil Boring Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: No Sealed by Name: Vortex Drilling, Inc. Driller Signed: James E. Neal Apprentice Signed: Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Inc. Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126523&Type=SDR-Well	Well City: Austin Well Zip: 78758 Owner Well No: SB - 14 Owner Name: Town North Nissan Owner Addr1: 9150 Research Boulevard Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.375 Lat Degree: 30 Lat Minute: 22 Lat Second: 30 Longitude: -97.731389 Long Degree: 97 Long Minute: 43 Long Second: 53
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: Well Rpt Track No: 126530	Well Address1: 9150 Research Boulevard Well Addr2: Well City: Austin Well Zip: 78758
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Wells and Additional Sources Detail Report

<p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill:</p> <p>Date Submitted: 2007-11-07</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Hand Mixed</p> <p>Seal Mthd Oth Descr:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2007-10-15</p> <p>Drilling End Dt: 2007-10-15</p> <p>Proposed Use: Environmental Soil Boring</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Apprve by Variance:</p> <p>Loc Vfy by Driller: No</p> <p>Sealed by Driller: No</p> <p>Sealed by Name: Vortex Drilling, Inc.</p> <p>Driller Signed: James E. Neal</p> <p>Apprentice Signed:</p> <p>Surface Compl: Alternative Procedure Used</p> <p>Surf Comp Oth Descr:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Descr:</p> <p>Pump Depth:</p> <p>Chemical Analysis:</p> <p>Injurious Water:</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Vortex Drilling Inc.</p> <p>Well Location Description:</p> <p>Comments:</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126530&Type=SDR-Well</p>	<p>Owner Well No: SB - 5</p> <p>Owner Name: Town North Nissan</p> <p>Owner Addr1: 9150 Research Boulevard</p> <p>Owner Addr2:</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78758</p> <p>Owner Country:</p> <p>Driller Name: James E Neal</p> <p>Driller Address1: 4412 Bluemel Road</p> <p>Driller Addr2:</p> <p>Driller City: San Antonio</p> <p>Driller State: TX</p> <p>Driller Zip: 78240</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.375</p> <p>Lat Degree: 30</p> <p>Lat Minute: 22</p> <p>Lat Second: 30</p> <p>Longitude: -97.731389</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 53</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

<p>License No: 4868</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 126543</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p>	<p>Well Address1: 9150 Research Boulevard</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: SB - 10</p> <p>Owner Name: Town North Nissan</p>
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Wells and Additional Sources Detail Report

No of Wells Drill: Date Submitted: 2007-11-07 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2007-10-15 Drilling End Dt: 2007-10-15 Proposed Use: Environmental Soil Boring Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: No Sealed by Name: Vortex Drilling, Inc. Driller Signed: James E. Neal Apprentice Signed: Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Inc. Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126543&Type=SDR-Well	Owner Addr1: 9150 Research Boulevard Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.375 Lat Degree: 30 Lat Minute: 22 Lat Second: 30 Longitude: -97.731389 Long Degree: 97 Long Minute: 43 Long Second: 53
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: Well Rpt Track No: 126521 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2007-11-07	Well Address1: 9150 Research Boulevard Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: SB - 12 Owner Name: Town North Nissan Owner Addr1: 9150 Research Boulevard Owner Addr2:
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Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126521&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126544	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 11
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX

Wells and Additional Sources Detail Report

Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126544&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126531	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 6
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126531&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126528	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 2
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road

Wells and Additional Sources Detail Report

Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126528&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126536	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 7
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: No	Dist to Sep Contam:	
Sealed by Name: Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed: James E. Neal	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl: Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:	Elevation:	
Complt by Driller:	Latitude:	30.375
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	30
Chemical Analysis:	Longitude:	-97.731389
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	53
Grid No: 58-35-7		
Company Name: Vortex Drilling Inc.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126536&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868	Well Address1:	9150 Research Boulevard
PWS No:	Well Addr2:	
Plug Rpt Track No:	Well City:	Austin
Well Rpt Track No: 126539	Well Zip:	78758
Orig Well Rpt Trk No:	Owner Well No:	SB - 9
Apprentice Reg No:	Owner Name:	Town North Nissan
No of Wells Drill:	Owner Addr1:	9150 Research Boulevard
Date Submitted: 2007-11-07	Owner Addr2:	
Type of Work: New Well	Owner City:	Austin
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method: Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:	Owner Country:	
Plugged w/i 48Hrs: No	Driller Name:	James E Neal
Drilling Start Dt: 2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt: 2007-10-15	Driller Addr2:	
Proposed Use: Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: No Sealed by Name: Vortex Drilling, Inc. Driller Signed: James E. Neal Apprentice Signed: Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling Inc. Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126539&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.375 Lat Degree: 30 Lat Minute: 22 Lat Second: 30 Longitude: -97.731389 Long Degree: 97 Long Minute: 43 Long Second: 53
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: Well Rpt Track No: 131280 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2008-01-10 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2007-12-13 Drilling End Dt: 2007-12-14 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No	Well Address1: 9150 Research Boulevard Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW - 5 Owner Name: Town North Nissan Owner Addr1: 9150 Research Boulevard Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:	No	Longitude:	-97.731389
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=131280&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	131278	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW - 3
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2008-01-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-12-13	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-12-14	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	

Wells and Additional Sources Detail Report

Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:	No	Longitude:	-97.731389
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=131278&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126518	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 1
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	

Wells and Additional Sources Detail Report

Surface Compl:	Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Desc:		Elevation:
Complt by Driller:		Latitude: 30.375
Pump Type:		Lat Degree: 30
Pump Type Oth Desc:		Lat Minute: 22
Pump Depth:		Lat Second: 30
Chemical Analysis:		Longitude: -97.731389
Injurious Water:		Long Degree: 97
County:	Travis	Long Minute: 43
Known Loc Error:	No	Long Second: 53
Grid No:	58-35-7	
Company Name:	Vortex Drilling Inc.	
Well Location Description:		
Comments:		
Data Source:	Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126518&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126529	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 3
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	

Wells and Additional Sources Detail Report

Complt by Driller:	Latitude:	30.375
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	30
Chemical Analysis:	Longitude:	-97.731389
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	53
Grid No: 58-35-7		
Company Name: Vortex Drilling Inc.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126529&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126541	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 4
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30

Wells and Additional Sources Detail Report

Pump Type Oth Desc:	Lat Minute:	22
Pump Depth:	Lat Second:	30
Chemical Analysis:	Longitude:	-97.731389
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	53
Grid No: 58-35-7		
Company Name: Vortex Drilling Inc.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126541&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No: 4868	Well Address1: 9150 Research Boulevard
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 126542	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: SB - 17
Apprentice Reg No:	Owner Name: Town North Nissan
No of Wells Drill:	Owner Addr1: 9150 Research Boulevard
Date Submitted: 2007-11-07	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78758
Seal Mthd Oth Descr:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: James E Neal
Drilling Start Dt: 2007-10-15	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2007-10-15	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name: Vortex Drilling, Inc.	Dist to Septic Tk:
Driller Signed: James E. Neal	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Descr:	Elevation:
Complt by Driller:	Latitude: 30.375
Pump Type:	Lat Degree: 30
Pump Type Oth Descr:	Lat Minute: 22
Pump Depth:	Lat Second: 30

Wells and Additional Sources Detail Report

Chemical Analysis:	Longitude:	-97.731389	
Injurious Water:	Long Degree:	97	
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126542&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126538	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 8
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97

Wells and Additional Sources Detail Report

County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126538&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126526	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 16
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53

Wells and Additional Sources Detail Report

Grid No:	58-35-7
Company Name:	Vortex Drilling Inc.
Well Location Description:	
Comments:	
Data Source:	Full SDR Database; SDRDB Well Location (Map)
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126526&Type=SDR-Well

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	131279	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW - 4
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2008-01-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-12-13	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-12-14	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:	No	Longitude:	-97.731389
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		

Wells and Additional Sources Detail Report

Well Location Description:

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=131279&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	131274	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW - 1
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2008-01-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-12-13	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-12-14	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:	No	Longitude:	-97.731389
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			

Wells and Additional Sources Detail Report

Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=131274&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	SSW	0.64	3,401.26	752.30	SDR WELLS

License No:	4868	Well Address1:	9150 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	126524	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SB - 15
Apprentice Reg No:		Owner Name:	Town North Nissan
No of Wells Drill:		Owner Addr1:	9150 Research Boulevard
Date Submitted:	2007-11-07	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-10-15	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-10-15	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling, Inc.	Dist to Septic Tk:	
Driller Signed:	James E. Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.375
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	22
Pump Depth:		Lat Second:	30
Chemical Analysis:		Longitude:	-97.731389
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	53
Grid No:	58-35-7		
Company Name:	Vortex Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=126524&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	SSE	0.65	3,455.01	747.03	SDR WELLS

License No:	2859	Well Address1:	9313 McNeil Rd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	58171	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-15B
Apprentice Reg No:		Owner Name:	Capital Metro
No of Wells Drill:		Owner Addr1:	2910 E. 5th St.
Date Submitted:	2005-05-05	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Unknown	Owner Zip:	
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Samuel A Ramirez
Drilling Start Dt:	2004-12-16	Driller Address1:	P.O. box 1562
Drilling End Dt:	2005-03-10	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Marcos
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78667
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Samuel A Ramirez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	749
Complt by Driller:		Latitude:	30.376111
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	22
Pump Depth:	.00	Lat Second:	34
Chemical Analysis:		Longitude:	-97.721944
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	19
Grid No:	58-35-7		
Company Name:	Coretech Drilling Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=58171&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

134	NNE	0.67	3,538.94	794.88	SDR WELLS
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License No:	2897	Well Address1:	3300 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	352834	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW2
Apprentice Reg No:		Owner Name:	SRG Cactus Exploration, LLC
No of Wells Drill:		Owner Addr1:	500 Stevens Avenue
Date Submitted:	2014-01-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-01-20	Driller Address1:	5222 Thunder Creek Road, Ste B
Drilling End Dt:	2014-01-20	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	808
Complt by Driller:		Latitude:	30.396111
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	23
Pump Depth:		Lat Second:	46
Chemical Analysis:	No	Longitude:	-97.724167
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	27
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=352834&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
136	SSE	0.67	3,553.67	750.48	SDR WELLS

Wells and Additional Sources Detail Report

<p>License No: 59656</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 468521</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill: 1</p> <p>Date Submitted: 2018-01-12</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Hand Mixed</p> <p>Seal Mthd Oth Desc:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2017-12-04</p> <p>Drilling End Dt: 2017-12-04</p> <p>Proposed Use: Other</p> <p>Prop Use Oth Descr: piezometer</p> <p>TCEQ Approve Plans:</p> <p>Apprve by Variance:</p> <p>Loc Vfy by Driller: Yes</p> <p>Sealed by Driller: Yes</p> <p>Sealed by Name:</p> <p>Driller Signed: Hamilton L. McRae</p> <p>Apprentice Signed:</p> <p>Surface Compl: Surface Slab Installed</p> <p>Surf Comp Oth Desc:</p> <p>Complt by Driller: Yes</p> <p>Pump Type:</p> <p>Pump Type Oth Desc:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-43-1</p> <p>Company Name: Austin Geo-Logic</p> <p>Well Location Description: Located in the SE corner of the lot with the large warehouse.</p> <p>Comments: dry hole.</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=468521&Type=SDR-Well</p>	<p>Well Address1: 9315 McNeil Road</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: B4</p> <p>Owner Name: Capital Metro Transit Authority</p> <p>Owner Addr1: 2910 East 5th Street</p> <p>Owner Addr2:</p> <p>Owner City: Austin</p> <p>Owner State: TX</p> <p>Owner Zip: 78702</p> <p>Owner Country:</p> <p>Driller Name: Hamilton Lane Mcrae</p> <p>Driller Address1: 1402 Yogi Berra CV</p> <p>Driller Addr2:</p> <p>Driller City: Round Rock</p> <p>Driller State: TX</p> <p>Driller Zip: 78665</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type: NAD83</p> <p>Elevation: 749</p> <p>Latitude: 30.374961</p> <p>Lat Degree: 30</p> <p>Lat Minute: 22</p> <p>Lat Second: 29.86</p> <p>Longitude: -97.723692</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 25.29</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
143	SSE	0.69	3,665.18	745.40	SDR WELLS

License No: 4868	Well Address1: 9315 McNeil Road
PWS No:	Well Addr2:

Wells and Additional Sources Detail Report

Plug Rpt Track No: 64891	Well City: Austin
Well Rpt Track No: 194171	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: MW-30
Apprentice Reg No:	Owner Name: Capital Metro. Trans. Auth.
No of Wells Drill:	Owner Addr1: 2910 East 5th Street
Date Submitted: 2009-09-23	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78702
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: James E Neal
Drilling Start Dt: 2009-09-03	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2009-09-03	Driller Addr2:
Proposed Use: Monitor	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: James E. Neal	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.375
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 22
Pump Depth:	Lat Second: 30
Chemical Analysis:	Longitude: -97.722778
Injurious Water:	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 22
Grid No: 58-35-7	
Company Name: Vortex Drilling, Inc.	
Well Location Description:	
Comments: Amended 3/16/10 Ref.# 7982	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=194171&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
144	NE	0.70	3,672.58	780.64	SDR WELLS

License No: 54611	Well Address1: 11005 Burnett Rd.
PWS No:	Well Addr2:
Plug Rpt Track No: 133499	Well City: Austin
Well Rpt Track No: 271537	Well Zip:

Wells and Additional Sources Detail Report

Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: Date Submitted: 2011-11-14 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Gravity Seal Mthd Oth Desc: Plugged w/i 48Hrs: Yes Drilling Start Dt: 2011-10-25 Drilling End Dt: 2011-10-25 Proposed Use: Environmental Soil Boring Prop Use Oth Descr: TCEQ Approve Plans: Aprv by Variance: Loc Vfy by Driller: No Sealed by Driller: No Sealed by Name: Driller Signed: Brian Kern Apprentice Signed: Surface Compl: Unknown Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Total Support Services Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=271537&Type=SDR-Well	Owner Well No: B1 Owner Name: Capitol Food Mart Owner Addr1: 11005 Burnett Rd. Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: Owner Country: Driller Name: Brian Kern Driller Address1: P.O. Box 81621 Driller Addr2: Driller City: Austin Driller State: TX Driller Zip: 78708 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.394722 Lat Degree: 30 Lat Minute: 23 Lat Second: 41 Longitude: -97.72 Long Degree: 97 Long Minute: 43 Long Second: 12
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
146	SSE	0.70	3,708.23	742.45	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: 64889 Well Rpt Track No: 194178 Orig Well Rpt Trk No: Apprentice Reg No:	Well Address1: 9315 McNeil Road Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-32 Owner Name: Capital Metro. Trans. Auth.
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Wells and Additional Sources Detail Report

No of Wells Drill: Date Submitted: 2009-09-23 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2009-09-04 Drilling End Dt: 2009-09-04 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: James E. Neal Apprentice Signed: Surface Compl: Surface Slab Installed Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling, Inc. Well Location Description: Comments: Amended 3/16/10 Ref.#7984 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=194178&Type=SDR-Well	Owner Addr1: 2910 East 5th Street Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78702 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.375278 Lat Degree: 30 Lat Minute: 22 Lat Second: 31 Longitude: -97.721944 Long Degree: 97 Long Minute: 43 Long Second: 19
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	NNE	0.71	3,726.20	794.20	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: Well Rpt Track No: 414976 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: 1 Date Submitted: 2016-02-15	Well Address1: Kramer Lane & Newman Drive Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: MW-2 Owner Name: Greystar GP II, LLC Owner Addr1: 6300 Bridgepoint Parkway Owner Addr2: Building 3, Suite 300
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Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78730
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-02-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-02-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	806
Complt by Driller:	Yes	Latitude:	30.396839
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	48.62
Chemical Analysis:	No	Longitude:	-97.724781
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29.21
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=414976&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	NNE	0.71	3,726.20	794.20	SDR WELLS

License No:	4868	Well Address1:	Kramer Lane & Newman Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	414975	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-1
Apprentice Reg No:		Owner Name:	Greystar GP II, LLC
No of Wells Drill:	1	Owner Addr1:	6300 Bridgepoint Parkway
Date Submitted:	2016-02-15	Owner Addr2:	Building 3, Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX

Wells and Additional Sources Detail Report

Seal Method:	Hand Mixed	Owner Zip:	78730
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-02-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-02-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	806
Complt by Driller:	Yes	Latitude:	30.396839
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	48.62
Chemical Analysis:	No	Longitude:	-97.724781
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29.21
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=414975&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	NNE	0.71	3,726.20	794.20	SDR WELLS

License No:	4868	Well Address1:	Kramer Lane & Newman Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	414977	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-3
Apprentice Reg No:		Owner Name:	Greystar GP II, LLC
No of Wells Drill:	1	Owner Addr1:	6300 Bridgepoint Parkway
Date Submitted:	2016-02-15	Owner Addr2:	Building 3, Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78730
Seal Mthd Oth Desc:		Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2016-02-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2016-02-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	James E Neal	Dist to Prop Line:	
Apprentice Signed:	David Lozano	Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	806
Complt by Driller:	Yes	Latitude:	30.396839
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	48.62
Chemical Analysis:	No	Longitude:	-97.724781
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	29.21
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=414977&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
148	NNE	0.71	3,758.69	794.22	SDR WELLS

License No:	2897	Well Address1:	3300 West Braker Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	352833	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW1
Apprentice Reg No:		Owner Name:	SRG Cactus Exploration, LLC
No of Wells Drill:		Owner Addr1:	500 Stevens Avenue
Date Submitted:	2014-01-28	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Unknown	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Amador Hinojosa
Drilling Start Dt:	2014-01-20	Driller Address1:	5222 Thunder Creek Road, Ste B

Wells and Additional Sources Detail Report

Drilling End Dt:	2014-01-20	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78759
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Amador Hinojosa	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	809
Complt by Driller:		Latitude:	30.396667
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:	N/A	Lat Minute:	23
Pump Depth:		Lat Second:	48
Chemical Analysis:	No	Longitude:	-97.723889
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	26
Grid No:	58-35-7		
Company Name:	Austin Geo-Logic		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=352833&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SSE	0.72	3,794.36	740.76	SDR WELLS

License No:	4868	Well Address1:	9315 McNeil Road
PWS No:		Well Addr2:	
Plug Rpt Track No:	64888	Well City:	Austin
Well Rpt Track No:	194188	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-33
Apprentice Reg No:		Owner Name:	Capital Metro. Trans. Auth.
No of Wells Drill:		Owner Addr1:	2910 East 5th Street
Date Submitted:	2009-09-23	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78702
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2009-09-04	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2009-09-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: Yes	Dist to Sep Contam:	
Sealed by Name:	Dist to Septic Tk:	
Driller Signed: James E. Neal	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl: Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:	Elevation:	
Complt by Driller:	Latitude:	30.375
Pump Type:	Lat Degree:	30
Pump Type Oth Descr:	Lat Minute:	22
Pump Depth:	Lat Second:	30
Chemical Analysis: No	Longitude:	-97.721944
Injurious Water: No	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	19
Grid No: 58-35-7		
Company Name: Vortex Drilling, Inc.		
Well Location Description:		
Comments: Amended 3/16/10 Ref.# 7985		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=194188&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
159	SSE	0.73	3,845.42	743.54	SDR WELLS

License No: 4868	Well Address1:	9315 McNeil Road
PWS No:	Well Addr2:	
Plug Rpt Track No: 64890	Well City:	Austin
Well Rpt Track No: 194174	Well Zip:	78758
Orig Well Rpt Trk No:	Owner Well No:	MW-31
Apprentice Reg No:	Owner Name:	Capital Metro. Trans. Auth.
No of Wells Drill:	Owner Addr1:	2910 East 5th Street
Date Submitted: 2009-09-23	Owner Addr2:	
Type of Work: New Well	Owner City:	Austin
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method: Hand Mixed	Owner Zip:	78702
Seal Mthd Oth Descr:	Owner Country:	
Plugged w/i 48Hrs: No	Driller Name:	James E Neal
Drilling Start Dt: 2009-09-03	Driller Address1:	4412 Bluemel Road
Drilling End Dt: 2009-09-03	Driller Addr2:	
Proposed Use: Monitor	Driller City:	San Antonio
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78240

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: Yes Sealed by Name: Driller Signed: James E. Neal Apprentice Signed: Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: County: Travis Known Loc Error: No Grid No: 58-43-1 Company Name: Vortex Drilling, Inc. Well Location Description: Comments: Amended 3/16/10 Ref.# 7983 Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=194174&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.374444 Lat Degree: 30 Lat Minute: 22 Lat Second: 28 Longitude: -97.722778 Long Degree: 97 Long Minute: 43 Long Second: 22
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	SDR WELLS

License No: 3180 PWS No: Plug Rpt Track No: 69044 Well Rpt Track No: 83601 Orig Well Rpt Trk No: Apprentice Reg No: 1638 No of Wells Drill: Date Submitted: 2006-05-24 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2006-05-04 Drilling End Dt: 2006-05-04 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No	Well Address1: 1822 RUTLAND ROAD Well Addr2: Well City: AUSTIN Well Zip: 78758 Owner Well No: MW-5 Owner Name: FORMER CIRCLE K # 2485 Owner Addr1: 1822 RUTLAND DRIVE Owner Addr2: Owner City: AUSTIN Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: John E Talbot Driller Address1: 4412 BLUEMEL ROAD Driller Addr2: Driller City: SAN ANTONIO Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	JOHN EGAN TALBOT	Dist to Prop Line:	
Apprentice Signed:	MARTIN CASAREZ	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.380555
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	50
Chemical Analysis:		Longitude:	-97.715278
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	42
Known Loc Error:	No	Long Second:	55
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING		
Well Location Description:			
Comments:	Amended 9/24/10 Ref.# 8416		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=83601&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	SDR WELLS

License No:	3180	Well Address1:	1822 RUTLAND ROAD
PWS No:		Well Addr2:	
Plug Rpt Track No:	69045	Well City:	AUSTIN
Well Rpt Track No:	83602	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-6
Apprentice Reg No:	1638	Owner Name:	FORMER CIRCLE K # 2485
No of Wells Drill:		Owner Addr1:	1822 RUTLAND DRIVE
Date Submitted:	2006-05-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	AUSTIN
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	John E Talbot
Drilling Start Dt:	2006-05-04	Driller Address1:	4412 BLUEMEL ROAD
Drilling End Dt:	2006-05-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	SAN ANTONIO
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	

Wells and Additional Sources Detail Report

Driller Signed:	JOHN EGAN TALBOT	Dist to Prop Line:	
Apprentice Signed:	MARTIN CASAREZ	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.380555
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	50
Chemical Analysis:		Longitude:	-97.715278
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	42
Known Loc Error:	No	Long Second:	55
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING		
Well Location Description:			
Comments:	Amended 9/24/10 Ref.# 8417		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=83602&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	ESE	0.80	4,240.69	761.81	SDR WELLS

License No:	3180	Well Address1:	1822 RUTLAND ROAD
PWS No:		Well Addr2:	
Plug Rpt Track No:	69043	Well City:	AUSTIN
Well Rpt Track No:	83600	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	MW-4
Apprentice Reg No:	1638	Owner Name:	FORMER CIRCLE K # 2485
No of Wells Drill:		Owner Addr1:	1822 RUTLAND DRIVE
Date Submitted:	2006-05-24	Owner Addr2:	
Type of Work:	New Well	Owner City:	AUSTIN
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	John E Talbot
Drilling Start Dt:	2006-05-04	Driller Address1:	4412 BLUEMEL ROAD
Drilling End Dt:	2006-05-04	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	SAN ANTONIO
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	JOHN EGAN TALBOT	Dist to Prop Line:	
Apprentice Signed:	MARTIN CASAREZ	Dist Verifi Method:	

Wells and Additional Sources Detail Report

Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.380555
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	50
Chemical Analysis:		Longitude:	-97.715278
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	42
Known Loc Error:	No	Long Second:	55
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING		
Well Location Description:			
Comments:	Amended 9/24/10 Ref.# 8415		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=83600&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNE	0.77	4,084.13	792.63	SDR WELLS

License No:	59554	Well Address1:	Newman Drive & Kramer Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	425350	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-5
Apprentice Reg No:		Owner Name:	SP Austin, LLC
No of Wells Drill:	1	Owner Addr1:	500 Stevens Avenue
Date Submitted:	2016-07-01	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Hand Mixed	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Heriberto Martinez
Drilling Start Dt:	2016-06-07	Driller Address1:	
Drilling End Dt:	2016-06-07	Driller Addr2:	4412 Bluemel Road
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Heriberto Martinez	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	

Wells and Additional Sources Detail Report

Complt by Driller:	Yes	Latitude:	30.397606
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	51.38
Chemical Analysis:	No	Longitude:	-97.723861
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	25.9
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:	Vacant lot at the North East corner of Newman Drive & Kramer Lane.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=425350&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNE	0.77	4,084.13	792.63	SDR WELLS

License No:	59554	Well Address1:	Newman Drive & Kramer Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	425345	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-2
Apprentice Reg No:		Owner Name:	SP Austin, LLC
No of Wells Drill:	1	Owner Addr1:	500 Stevens Avenue
Date Submitted:	2016-07-01	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Hand Mixed	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Heriberto Martinez
Drilling Start Dt:	2016-06-07	Driller Address1:	
Drilling End Dt:	2016-06-07	Driller Addr2:	4412 Bluemel Road
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Heriberto Martinez	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.397606
Pump Type:		Lat Degree:	30

Wells and Additional Sources Detail Report

Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 51.38
Chemical Analysis: No	Longitude: -97.723861
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 25.9
Grid No: 58-35-7	
Company Name: VORTEX DRILLING INC.	
Well Location Description: Vacant lot at the North East corner of Newman Drive & Kramer Lane.	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=425345&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNE	0.77	4,084.13	792.63	SDR WELLS

License No: 59554	Well Address1: Newman Drive & Kramer Lane
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 425347	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-3
Apprentice Reg No:	Owner Name: SP Austin, LLC
No of Wells Drill: 1	Owner Addr1: 500 Stevens Avenue
Date Submitted: 2016-07-01	Owner Addr2:
Type of Work: New Well	Owner City: Solana Beach
Typ of Wrk Oth Descr:	Owner State: CA
Seal Method: Hand Mixed	Owner Zip: 92075
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Heriberto Martinez
Drilling Start Dt: 2016-06-07	Driller Address1:
Drilling End Dt: 2016-06-07	Driller Addr2: 4412 Bluemel Road
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Heriberto Martinez	Dist to Prop Line:
Apprentice Signed: Joe Lopez	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller: Yes	Latitude: 30.397606
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 51.38

Wells and Additional Sources Detail Report

Chemical Analysis:	No	Longitude:	-97.723861
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	25.9
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:	Vacant lot at the North East corner of Newman Drive & Kramer Lane.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=425347&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNE	0.77	4,084.13	792.63	SDR WELLS

License No:	59554	Well Address1:	Newman Drive & Kramer Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	425349	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-4
Apprentice Reg No:		Owner Name:	SP Austin, LLC
No of Wells Drill:	1	Owner Addr1:	500 Stevens Avenue
Date Submitted:	2016-07-01	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Hand Mixed	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Heriberto Martinez
Drilling Start Dt:	2016-06-07	Driller Address1:	
Drilling End Dt:	2016-06-07	Driller Addr2:	4412 Bluemel Road
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Heriberto Martinez	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.397606
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	51.38
Chemical Analysis:	No	Longitude:	-97.723861
Injurious Water:	No	Long Degree:	97

Wells and Additional Sources Detail Report

County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	25.9
Grid No:	58-35-7		
Company Name:	VORTEX DRILLING INC.		
Well Location Description:	Vacant lot at the North East corner of Newman Drive & Kramer Lane.		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=425349&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	NNE	0.77	4,084.13	792.63	SDR WELLS

License No:	59554	Well Address1:	Newman Drive & Kramer Lane
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	425343	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-1
Apprentice Reg No:		Owner Name:	SP Austin, LLC
No of Wells Drill:	1	Owner Addr1:	500 Stevens Avenue
Date Submitted:	2016-07-01	Owner Addr2:	
Type of Work:	New Well	Owner City:	Solana Beach
Typ of Wrk Oth Descr:		Owner State:	CA
Seal Method:	Hand Mixed	Owner Zip:	92075
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Heriberto Martinez
Drilling Start Dt:	2016-06-07	Driller Address1:	
Drilling End Dt:	2016-06-07	Driller Addr2:	4412 Bluemel Road
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Heriberto Martinez	Dist to Prop Line:	
Apprentice Signed:	Joe Lopez	Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.397606
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	51.38
Chemical Analysis:	No	Longitude:	-97.723861
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	25.9

Wells and Additional Sources Detail Report

Grid No:	58-35-7
Company Name:	VORTEX DRILLING INC.
Well Location Description:	Vacant lot at the North East corner of Newman Drive & Kramer Lane.
Comments:	
Data Source:	Full SDR Database; SDRDB Well Location (Map)
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=425343&Type=SDR-Well

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111654	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-1
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		

Wells and Additional Sources Detail Report

Well Location Description:

Comments: Amended by TWDB HD
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111654&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111673	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-10
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			

Wells and Additional Sources Detail Report

Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111673&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111656	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-4
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111656&Type=SDR-Well		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111671	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-9
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111671&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

185	N	0.86	4,547.32	780.94	SDR WELLS
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License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111657	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-5
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111657&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

Wells and Additional Sources Detail Report

License No: 3180	Well Address1: SE Crnr Domain Dr/Esperanza Dr
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 135795	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-13/MW-1
Apprentice Reg No: 57214	Owner Name: The Domain
No of Wells Drill: 1	Owner Addr1: SE Crnr Domain Dr/Esperanza Dr
Date Submitted: 2008-03-03	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78758
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: John E Talbot
Drilling Start Dt: 2008-02-20	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2008-02-20	Driller Addr2:
Proposed Use: Monitor	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Aprv by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name: Vortex Drilling, Inc.	Dist to Septic Tk:
Driller Signed: John E. Talbot	Dist to Prop Line:
Apprentice Signed: Martin Casarez	Dist Verifi Method:
Surface Compl: Surface Slab Installed	Horizon Datum Type:
Surf Comp Oth Descr:	Elevation:
Complt by Driller:	Latitude: 30.399246
Pump Type:	Lat Degree: 30
Pump Type Oth Descr:	Lat Minute: 23
Pump Depth:	Lat Second: 57.29
Chemical Analysis: No	Longitude: -97.725029
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 30.1
Grid No: 58-35-7	
Company Name: Vortex Drilling Inc.	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=135795&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No: 4868	Well Address1: Domain Drive and Esperanza Drive
PWS No:	Well Addr2:

Wells and Additional Sources Detail Report

Plug Rpt Track No: Well Rpt Track No: 111670 Orig Well Rpt Trk No: Apprentice Reg No: No of Wells Drill: 1 Date Submitted: 2007-05-10 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Hand Mixed Seal Mthd Oth Desc: Plugged w/i 48Hrs: No Drilling Start Dt: 2007-04-25 Drilling End Dt: 2007-04-25 Proposed Use: Environmental Soil Boring Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: Yes Sealed by Driller: No Sealed by Name: Vortex Drilling Inc. Driller Signed: James Neal Apprentice Signed: Surface Compl: Alternative Procedure Used Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: No Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-35-7 Company Name: Vortex Drilling, Inc. Well Location Description: Comments: Amended by TWDB HD Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111670&Type=SDR-Well	Well City: Austin Well Zip: 78758 Owner Well No: B-7 Owner Name: White Lodging Services Corp. Owner Addr1: 1000 East 80th Place, Suite 60 Owner Addr2: Owner City: Merrillville Owner State: IN Owner Zip: 46410 Owner Country: Driller Name: James E Neal Driller Address1: 4412 Bluemel Road Driller Addr2: Driller City: San Antonio Driller State: TX Driller Zip: 78240 Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.399246 Lat Degree: 30 Lat Minute: 23 Lat Second: 57.29 Longitude: -97.725029 Long Degree: 97 Long Minute: 43 Long Second: 30.1
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No: 4868 PWS No: Plug Rpt Track No: Well Rpt Track No: 111655	Well Address1: Domain Drive and Esperanza Drive Well Addr2: Well City: Austin Well Zip: 78758
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Wells and Additional Sources Detail Report

<p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p> <p>No of Wells Drill: 1</p> <p>Date Submitted: 2007-05-10</p> <p>Type of Work: New Well</p> <p>Typ of Wrk Oth Descr:</p> <p>Seal Method: Hand Mixed</p> <p>Seal Mthd Oth Descr:</p> <p>Plugged w/i 48Hrs: No</p> <p>Drilling Start Dt: 2007-04-25</p> <p>Drilling End Dt: 2007-04-25</p> <p>Proposed Use: Environmental Soil Boring</p> <p>Prop Use Oth Descr:</p> <p>TCEQ Approve Plans:</p> <p>Apprve by Variance:</p> <p>Loc Vfy by Driller: Yes</p> <p>Sealed by Driller: No</p> <p>Sealed by Name: Vortex Drilling Inc.</p> <p>Driller Signed: James Neal</p> <p>Apprentice Signed:</p> <p>Surface Compl: Alternative Procedure Used</p> <p>Surf Comp Oth Descr:</p> <p>Complt by Driller:</p> <p>Pump Type:</p> <p>Pump Type Oth Descr:</p> <p>Pump Depth:</p> <p>Chemical Analysis: No</p> <p>Injurious Water: No</p> <p>County: Travis</p> <p>Known Loc Error: No</p> <p>Grid No: 58-35-7</p> <p>Company Name: Vortex Drilling, Inc.</p> <p>Well Location Description:</p> <p>Comments: Amended by TWDB HD</p> <p>Data Source: Full SDR Database; SDRDB Well Location (Map)</p> <p>Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111655&Type=SDR-Well</p>	<p>Owner Well No: B-2</p> <p>Owner Name: White Lodging Services Corp.</p> <p>Owner Addr1: 1000 East 80th Place, Suite 60</p> <p>Owner Addr2:</p> <p>Owner City: Merrillville</p> <p>Owner State: IN</p> <p>Owner Zip: 46410</p> <p>Owner Country:</p> <p>Driller Name: James E Neal</p> <p>Driller Address1: 4412 Bluemel Road</p> <p>Driller Addr2:</p> <p>Driller City: San Antonio</p> <p>Driller State: TX</p> <p>Driller Zip: 78240</p> <p>Driller Oth Cntry:</p> <p>Driller Country:</p> <p>Dist to Sep Contam:</p> <p>Dist to Septic Tk:</p> <p>Dist to Prop Line:</p> <p>Dist Verifi Method:</p> <p>Horizon Datum Type:</p> <p>Elevation:</p> <p>Latitude: 30.399246</p> <p>Lat Degree: 30</p> <p>Lat Minute: 23</p> <p>Lat Second: 57.29</p> <p>Longitude: -97.725029</p> <p>Long Degree: 97</p> <p>Long Minute: 43</p> <p>Long Second: 30.1</p>
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

<p>License No: 4868</p> <p>PWS No:</p> <p>Plug Rpt Track No:</p> <p>Well Rpt Track No: 111674</p> <p>Orig Well Rpt Trk No:</p> <p>Apprentice Reg No:</p>	<p>Well Address1: Domain Drive and Esperanza Drive</p> <p>Well Addr2:</p> <p>Well City: Austin</p> <p>Well Zip: 78758</p> <p>Owner Well No: B-12</p> <p>Owner Name: White Lodging Services Corp.</p>
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Wells and Additional Sources Detail Report

No of Wells Drill: 1	Owner Addr1: 1000 East 80th Place, Suite 60
Date Submitted: 2007-05-10	Owner Addr2:
Type of Work: New Well	Owner City: Merrillville
Typ of Wrk Oth Descr:	Owner State: IN
Seal Method: Hand Mixed	Owner Zip: 46410
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: James E Neal
Drilling Start Dt: 2007-04-25	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2007-04-25	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: Yes	Driller Country:
Sealed by Driller: No	Dist to Sep Contam:
Sealed by Name: Vortex Drilling Inc.	Dist to Septic Tk:
Driller Signed: James Neal	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Desc:	Elevation:
Complt by Driller:	Latitude: 30.399246
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 23
Pump Depth:	Lat Second: 57.29
Chemical Analysis: No	Longitude: -97.725029
Injurious Water: No	Long Degree: 97
County: Travis	Long Minute: 43
Known Loc Error: No	Long Second: 30.1
Grid No: 58-35-7	
Company Name: Vortex Drilling, Inc.	
Well Location Description:	
Comments:	
Data Source: Full SDR Database; SDRDB Well Location (Map)	
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111674&Type=SDR-Well	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No: 4868	Well Address1: Domain Drive and Esperanza Drive
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 111663	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: B-11
Apprentice Reg No:	Owner Name: White Lodging Services Corp.
No of Wells Drill: 1	Owner Addr1: 1000 East 80th Place, Suite 60
Date Submitted: 2007-05-10	Owner Addr2:

Wells and Additional Sources Detail Report

Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111663&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111658	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-6
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN

Wells and Additional Sources Detail Report

Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111658&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111659	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-8
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Descr:		Owner Country:	

Wells and Additional Sources Detail Report

Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111659&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	N	0.86	4,547.32	780.94	SDR WELLS

License No:	4868	Well Address1:	Domain Drive and Esperanza Drive
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	111666	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	B-3
Apprentice Reg No:		Owner Name:	White Lodging Services Corp.
No of Wells Drill:	1	Owner Addr1:	1000 East 80th Place, Suite 60
Date Submitted:	2007-05-10	Owner Addr2:	
Type of Work:	New Well	Owner City:	Merrillville
Typ of Wrk Oth Descr:		Owner State:	IN
Seal Method:	Hand Mixed	Owner Zip:	46410
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	James E Neal
Drilling Start Dt:	2007-04-25	Driller Address1:	4412 Bluemel Road

Wells and Additional Sources Detail Report

Drilling End Dt:	2007-04-25	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Approve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:	Vortex Drilling Inc.	Dist to Septic Tk:	
Driller Signed:	James Neal	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.399246
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	23
Pump Depth:		Lat Second:	57.29
Chemical Analysis:	No	Longitude:	-97.725029
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	30.1
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:	Amended by TWDB HD		
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=111666&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
188	E	0.89	4,696.92	753.80	SDR WELLS

License No:	50243	Well Address1:	Kramer @ Metric
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	26977	Well Zip:	
Orig Well Rpt Trk No:		Owner Well No:	mw-30
Apprentice Reg No:		Owner Name:	Datum
No of Wells Drill:		Owner Addr1:	15811 Vision Drive
Date Submitted:	2003-10-20	Owner Addr2:	
Type of Work:	New Well	Owner City:	Pflugerville
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Other	Owner Zip:	78660
Seal Mthd Oth Desc:	hand mix	Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Michael D Holt
Drilling Start Dt:	2003-09-09	Driller Address1:	PO Box 81621
Drilling End Dt:	2003-09-09	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Austin

Wells and Additional Sources Detail Report

Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	78708
Apprve by Variance:	Driller Oth Cntry:	
Loc Vfy by Driller: No	Driller Country:	
Sealed by Driller: No	Dist to Sep Contam:	
Sealed by Name: TSS	Dist to Septic Tk:	
Driller Signed: Mike Holt	Dist to Prop Line:	
Apprentice Signed:	Dist Verifi Method:	
Surface Compl: Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Desc:	Elevation:	
Complt by Driller:	Latitude:	30.388056
Pump Type:	Lat Degree:	30
Pump Type Oth Desc:	Lat Minute:	23
Pump Depth:	Lat Second:	17
Chemical Analysis:	Longitude:	-97.712223
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	42
Known Loc Error: No	Long Second:	44
Grid No: 58-35-7		
Company Name: Total Support Services		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=26977&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	SDR WELLS

License No: 3121	Well Address1:	9200 Burnett Rd.
PWS No:	Well Addr2:	
Plug Rpt Track No: 123869	Well City:	Austin
Well Rpt Track No: 175025	Well Zip:	78758
Orig Well Rpt Trk No:	Owner Well No:	TMW# 3
Apprentice Reg No: 58033	Owner Name:	7- Eleven # 34251
No of Wells Drill:	Owner Addr1:	9200 Burnett Rd.
Date Submitted: 2009-04-16	Owner Addr2:	
Type of Work: New Well	Owner City:	Austin
Typ of Wrk Oth Descr:	Owner State:	TX
Seal Method: Not Applicable	Owner Zip:	78758
Seal Mthd Oth Desc:	Owner Country:	
Plugged w/i 48Hrs: Yes	Driller Name:	Roddy Lee Qualls
Drilling Start Dt: 2009-04-08	Driller Address1:	5066 Brush Creek Rd.
Drilling End Dt: 2009-04-09	Driller Addr2:	
Proposed Use: Monitor	Driller City:	Fort Worth
Prop Use Oth Descr:	Driller State:	TX
TCEQ Approve Plans:	Driller Zip:	76119

Wells and Additional Sources Detail Report

Apprve by Variance: Loc Vfy by Driller: No Sealed by Driller: No Sealed by Name: Driller Signed: Roddy Qualls Apprentice Signed: Shane Munro Surface Compl: Unknown Surf Comp Oth Desc: Complt by Driller: Pump Type: Pump Type Oth Desc: Pump Depth: Chemical Analysis: Injurious Water: No County: Travis Known Loc Error: No Grid No: 58-43-1 Company Name: Strata Core Drilling Well Location Description: Comments: Data Source: Full SDR Database; SDRDB Well Location (Map) Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=175025&Type=SDR-Well	Driller Oth Cntry: Driller Country: Dist to Sep Contam: Dist to Septic Tk: Dist to Prop Line: Dist Verifi Method: Horizon Datum Type: Elevation: Latitude: 30.372222 Lat Degree: 30 Lat Minute: 22 Lat Second: 20 Longitude: -97.722222 Long Degree: 97 Long Minute: 43 Long Second: 20
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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	SDR WELLS

License No: 3121 PWS No: Plug Rpt Track No: 123810 Well Rpt Track No: 174512 Orig Well Rpt Trk No: Apprentice Reg No: 58033 No of Wells Drill: Date Submitted: 2009-04-13 Type of Work: New Well Typ of Wrk Oth Descr: Seal Method: Not Applicable Seal Mthd Oth Desc: Plugged w/i 48Hrs: Yes Drilling Start Dt: 2009-04-09 Drilling End Dt: 2009-04-09 Proposed Use: Monitor Prop Use Oth Descr: TCEQ Approve Plans: Apprve by Variance: Loc Vfy by Driller: No	Well Address1: 9200 Burnett Rd. Well Addr2: Well City: Austin Well Zip: 78758 Owner Well No: TMW# 1,2,5,6 Owner Name: 7- Eleven # 34251 Owner Addr1: 9200 Burnett Rd. Owner Addr2: Owner City: Austin Owner State: TX Owner Zip: 78758 Owner Country: Driller Name: Roddy Lee Qualls Driller Address1: 5066 Brush Creek Rd. Driller Addr2: Driller City: Fort Worth Driller State: TX Driller Zip: 76119 Driller Oth Cntry: Driller Country:
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Wells and Additional Sources Detail Report

Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Roddy Qualls	Dist to Prop Line:	
Apprentice Signed:	Shane Munro	Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.372222
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	20
Chemical Analysis:		Longitude:	-97.722222
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	20
Grid No:	58-43-1		
Company Name:	Strata Core Drilling		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=174512&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	SSE	0.88	4,651.92	733.69	SDR WELLS

License No:	3121	Well Address1:	9200 Burnett Rd.
PWS No:		Well Addr2:	
Plug Rpt Track No:	123809	Well City:	Austin
Well Rpt Track No:	174511	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	TMW# 4
Apprentice Reg No:	58033	Owner Name:	7- Eleven # 34251
No of Wells Drill:		Owner Addr1:	9200 Burnett Rd.
Date Submitted:	2009-04-13	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Not Applicable	Owner Zip:	78758
Seal Mthd Oth Descr:		Owner Country:	
Plugged w/i 48Hrs:	Yes	Driller Name:	Roddy Lee Qualls
Drilling Start Dt:	2009-04-08	Driller Address1:	5066 Brush Creek Rd.
Drilling End Dt:	2009-04-09	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Fort Worth
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	76119
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	No	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	

Wells and Additional Sources Detail Report

Driller Signed:	Roddy Qualls	Dist to Prop Line:	
Apprentice Signed:	Shane Munro	Dist Verifi Method:	
Surface Compl:	Unknown	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.372222
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	20
Chemical Analysis:		Longitude:	-97.722222
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	20
Grid No:	58-43-1		
Company Name:	Strata Core Drilling		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=174511&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
197	SSW	0.91	4,778.89	736.72	SDR WELLS

License No:	59656	Well Address1:	8700 Shoal Creek Blvd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	643031	Well Zip:	78757
Orig Well Rpt Trk No:		Owner Well No:	PZ2
Apprentice Reg No:		Owner Name:	Karnak Holdings LLC
No of Wells Drill:	1	Owner Addr1:	1301 W 25th Street
Date Submitted:	2023-07-08	Owner Addr2:	Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78705
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Hamilton Lane Mcrae
Drilling Start Dt:	2023-06-30	Driller Address1:	1316 Ridgefield Loop
Drilling End Dt:	2023-06-30	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Round Rock
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78665
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	

Wells and Additional Sources Detail Report

Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Desc:		Elevation:	733
Complt by Driller:	Yes	Latitude:	30.373419
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	24.31
Chemical Analysis:	No	Longitude:	-97.737475
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	44
Known Loc Error:	No	Long Second:	14.91
Grid No:	58-43-1		
Company Name:	Austin Geo-Logic		
Well Location Description:	located in the northeastern interior corner of the buildings		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=643031&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
201	SW	0.92	4,883.76	739.51	SDR WELLS

License No:	59656	Well Address1:	8700 Shoal Creek Blvd
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	643030	Well Zip:	78757
Orig Well Rpt Trk No:		Owner Well No:	PZ1
Apprentice Reg No:		Owner Name:	Karnak Holdings LLC
No of Wells Drill:	1	Owner Addr1:	1301 W 25th Street
Date Submitted:	2023-07-08	Owner Addr2:	Suite 300
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78705
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Hamilton Lane Mcrae
Drilling Start Dt:	2023-06-30	Driller Address1:	1316 Ridgfield Loop
Drilling End Dt:	2023-06-30	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Round Rock
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78665
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Hamilton L McRae	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	NAD83
Surf Comp Oth Desc:		Elevation:	735

Wells and Additional Sources Detail Report

Complt by Driller:	Yes	Latitude:	30.373369
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	22
Pump Depth:		Lat Second:	24.13
Chemical Analysis:	No	Longitude:	-97.738006
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	44
Known Loc Error:	No	Long Second:	16.82
Grid No:	58-43-1		
Company Name:	Austin Geo-Logic		
Well Location Description:	south of the westernmost building		
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=643030&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	N	0.92	4,863.50	775.71	SDR WELLS

License No:	55002	Well Address1:	3306 Esperanza Crossing
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	267707	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SG-3
Apprentice Reg No:		Owner Name:	The Domain
No of Wells Drill:		Owner Addr1:	3306 Esperanza Crossing
Date Submitted:	2011-10-06	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Gary B Leifeste
Drilling Start Dt:	2011-09-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2011-09-07	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.400278
Pump Type:		Lat Degree:	30

Wells and Additional Sources Detail Report

Pump Type Oth Desc:	Lat Minute:	24
Pump Depth:	Lat Second:	1
Chemical Analysis:	Longitude:	-97.725833
Injurious Water:	Long Degree:	97
County: Travis	Long Minute:	43
Known Loc Error: No	Long Second:	33
Grid No: 58-35-7		
Company Name: Vortex Drilling, Inc.		
Well Location Description:		
Comments:		
Data Source: Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report: https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=267707&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	N	0.92	4,863.50	775.71	SDR WELLS

License No: 55002	Well Address1: 3306 Esperanza Crossing
PWS No:	Well Addr2:
Plug Rpt Track No:	Well City: Austin
Well Rpt Track No: 267706	Well Zip: 78758
Orig Well Rpt Trk No:	Owner Well No: SG-2
Apprentice Reg No:	Owner Name: The Domain
No of Wells Drill:	Owner Addr1: 3306 Esperanza Crossing
Date Submitted: 2011-10-06	Owner Addr2:
Type of Work: New Well	Owner City: Austin
Typ of Wrk Oth Descr:	Owner State: TX
Seal Method: Hand Mixed	Owner Zip: 78758
Seal Mthd Oth Desc:	Owner Country:
Plugged w/i 48Hrs: No	Driller Name: Gary B Leifeste
Drilling Start Dt: 2011-09-07	Driller Address1: 4412 Bluemel Road
Drilling End Dt: 2011-09-07	Driller Addr2:
Proposed Use: Environmental Soil Boring	Driller City: San Antonio
Prop Use Oth Descr:	Driller State: TX
TCEQ Approve Plans:	Driller Zip: 78240
Apprve by Variance:	Driller Oth Cntry:
Loc Vfy by Driller: No	Driller Country:
Sealed by Driller: Yes	Dist to Sep Contam:
Sealed by Name:	Dist to Septic Tk:
Driller Signed: Gary B. Leifeste	Dist to Prop Line:
Apprentice Signed:	Dist Verifi Method:
Surface Compl: Alternative Procedure Used	Horizon Datum Type:
Surf Comp Oth Descr:	Elevation:
Complt by Driller:	Latitude: 30.400278
Pump Type:	Lat Degree: 30
Pump Type Oth Desc:	Lat Minute: 24
Pump Depth:	Lat Second: 1

Wells and Additional Sources Detail Report

Chemical Analysis:	Longitude:	-97.725833	
Injurious Water:	Long Degree:	97	
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	33
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=267706&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	N	0.92	4,863.50	775.71	SDR WELLS

License No:	55002	Well Address1:	3306 Esperanza Crossing
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	267709	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SG-4
Apprentice Reg No:		Owner Name:	The Domain
No of Wells Drill:		Owner Addr1:	3306 Esperanza Crossing
Date Submitted:	2011-10-06	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Gary B Leifeste
Drilling Start Dt:	2011-09-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2011-09-07	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:		Latitude:	30.400278
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	24
Pump Depth:		Lat Second:	1
Chemical Analysis:		Longitude:	-97.725833
Injurious Water:		Long Degree:	97

Wells and Additional Sources Detail Report

County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	33
Grid No:	58-35-7		
Company Name:	Vortex Drilling, Inc.		
Well Location Description:			
Comments:			
Data Source:	Full SDR Database; SDRDB Well Location (Map)		
Drillers Well Report:	https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=267709&Type=SDR-Well		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	N	0.92	4,863.50	775.71	SDR WELLS

License No:	55002	Well Address1:	3306 Esperanza Crossing
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	267704	Well Zip:	78758
Orig Well Rpt Trk No:		Owner Well No:	SG-1
Apprentice Reg No:		Owner Name:	The Domain
No of Wells Drill:		Owner Addr1:	3306 Esperanza Crossing
Date Submitted:	2011-10-06	Owner Addr2:	
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Hand Mixed	Owner Zip:	78758
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Gary B Leifeste
Drilling Start Dt:	2011-09-07	Driller Address1:	4412 Bluemel Road
Drilling End Dt:	2011-09-07	Driller Addr2:	
Proposed Use:	Environmental Soil Boring	Driller City:	San Antonio
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	78240
Apprve by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	No	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Gary B. Leifeste	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Alternative Procedure Used	Horizon Datum Type:	
Surf Comp Oth Desc:		Elevation:	
Complt by Driller:		Latitude:	30.400278
Pump Type:		Lat Degree:	30
Pump Type Oth Desc:		Lat Minute:	24
Pump Depth:		Lat Second:	1
Chemical Analysis:		Longitude:	-97.725833
Injurious Water:		Long Degree:	97
County:	Travis	Long Minute:	43
Known Loc Error:	No	Long Second:	33

Wells and Additional Sources Detail Report

Grid No: 58-35-7
 Company Name: Vortex Drilling, Inc.
 Well Location Description:
 Comments:
 Data Source: Full SDR Database; SDRDB Well Location (Map)
 Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=267704&Type=SDR-Well>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
205	NW	0.96	5,094.49	864.76	SDR WELLS

License No:	58171	Well Address1:	10400 Research Boulevard
PWS No:		Well Addr2:	
Plug Rpt Track No:		Well City:	Austin
Well Rpt Track No:	539897	Well Zip:	78759
Orig Well Rpt Trk No:		Owner Well No:	MW-2
Apprentice Reg No:		Owner Name:	Slate Real Estate Partners
No of Wells Drill:	1	Owner Addr1:	201 W 5th St
Date Submitted:	2020-04-02	Owner Addr2:	Ste 100
Type of Work:	New Well	Owner City:	Austin
Typ of Wrk Oth Descr:		Owner State:	TX
Seal Method:	Poured	Owner Zip:	78701
Seal Mthd Oth Desc:		Owner Country:	
Plugged w/i 48Hrs:	No	Driller Name:	Jaime Vasquez
Drilling Start Dt:	2020-03-20	Driller Address1:	PO BOX 19064
Drilling End Dt:	2020-03-20	Driller Addr2:	
Proposed Use:	Monitor	Driller City:	Houston
Prop Use Oth Descr:		Driller State:	TX
TCEQ Approve Plans:		Driller Zip:	77224
Aprv by Variance:		Driller Oth Cntry:	
Loc Vfy by Driller:	Yes	Driller Country:	
Sealed by Driller:	Yes	Dist to Sep Contam:	
Sealed by Name:		Dist to Septic Tk:	
Driller Signed:	Jaime Vasquez	Dist to Prop Line:	
Apprentice Signed:		Dist Verifi Method:	
Surface Compl:	Surface Slab Installed	Horizon Datum Type:	
Surf Comp Oth Descr:		Elevation:	
Complt by Driller:	Yes	Latitude:	30.396873
Pump Type:		Lat Degree:	30
Pump Type Oth Descr:		Lat Minute:	23
Pump Depth:		Lat Second:	48.74
Chemical Analysis:	No	Longitude:	-97.740018
Injurious Water:	No	Long Degree:	97
County:	Travis	Long Minute:	44
Known Loc Error:	No	Long Second:	24.06
Grid No:	58-35-7		
Company Name:	Envirotech Drilling Services LLC		

Wells and Additional Sources Detail Report

Well Location Description:

Comments:

Data Source: Full SDR Database; SDRDB Well Location (Map)

Drillers Well Report: <https://www3.twdb.texas.gov/apps/waterdatainteractive/GetReports.aspx?Num=539897&Type=SDR-Well>

Well Log Reports from Plotted Water Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	NNE	0.53	2,787.53	791.57	TCEQ WELL LOGS

Grid No: 58-35-7G
Date Drilled: 06/27/1980
Owners Name: IBM
County: TRAVIS
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 520
Latitude: 30.39388
Longitude: -97.724025

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	NNE	0.53	2,787.53	791.57	TCEQ WELL LOGS

Grid No: 58-35-7G
Date Drilled: 06/11/1980
Owners Name: IBM
County: TRAVIS
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 555
Latitude: 30.39388
Longitude: -97.724025

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	NNE	0.53	2,787.53	791.57	TCEQ WELL LOGS

Grid No: 58-35-7G
Date Drilled: N/A
Owners Name: IBM
County: TRAVIS
Water Usage: IRRIGATION
Static Level: NOT REPORTED
Depth Drilled: 600

Wells and Additional Sources Detail Report

Latitude: 30.39388
Longitude: -97.724025

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	WSW	0.65	3,455.49	802.06	TCEQ WELL LOGS

Grid No: 58-35-7F
Date Drilled: 07/29/1975
Owners Name: JAMES FRY
County: TRAVIS
Water Usage: DOMESTIC
Static Level: 60
Depth Drilled: 280
Latitude: 30.381823
Longitude: -97.740022

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *TRAVIS* County: **3**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *TRAVIS* County

No Measures/Homes:	53
Geometric Mean:	0.9
Arithmetic Mean:	1.4
Median:	0.8
Maximum:	7
% >4 pCi/L:	8
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the State/EPA Residential Radon Survey of Texas conducted during 1990-91. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

Wells from NWIS

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This select NWIS Wells dataset contains specific Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern. Applicable NWIS database information is obtained

Appendix

through the Water Quality Data Portal (WQP). The WQP is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Fort Bend Subsidence District Water Wells

WW FORT BEND

List of water wells in the Fort Bend Subsidence District, boundaries of which are defined as all the territory within Fort Bend County. The Fort Bend Subsidence District was created by the Texas Legislature in 1989 as a conservation and reclamation district to control land subsidence and manage groundwater resources through regulation, conservation, and coordination with suppliers of alternative water sources to assure an adequate quantity and quality of water for the future. The District's purpose is to provide for the regulation of the withdrawal of groundwater within the District to prevent subsidence that contributes to flooding, inundation or overflow of areas within the District, including rising waters resulting from storms or hurricanes.

Groundwater Database

GWDB

The Texas Water Development Board (TWDB) Groundwater Database (GWDB) contains information on selected water wells, springs, oil/gas tests (that were originally intended to be or were converted to water wells), water levels and water quality.

Harris Galveston Subsidence District Water Wells

WW HARRIS GAL

List of water wells in the Harris-Galveston Subsidence District (HGSD). The HGSD was created by the 64th Texas Legislature as an underground water conservation district in 1975 to provide regulation of groundwater withdrawal to control subsidence.

High Plains Water Wells

WW HIGH PLAINS

Inventory of water wells in the High Plains Underground Water Conservation District No. 1 (HPUWCD), which was created in 1951. As a political subdivision of Texas, HPUWCD is charged with protecting, preserving and conserving aquifers within the District's 16-county service area.

Oil and Gas Wells

OGW

Oil and Gas Well Data made available by the Railroad Commission of Texas.

Pipelines

PIPELINE

Locations of interstate and intrastate gas and liquids pipelines, made available by the Railroad Commission of Texas (RRC). Data is derived from RRC T-4 Permit applications ("Application for Permit to Operate a Pipeline in Texas"), which facilitate regulatory functions of the Pipeline Safety Section of the RRC. The digital data used to create the files was taken from the forms system within the RRC, from the General Land Office (GLO) county survey maps, and, United States Geological Survey (USGS) quadrangle maps.

Plotted Water Wells

WATER WELLS

A list of water wells in Texas that are plotted in Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer. The database provides the best representation of water well driller's reports available to the TCEQ as of the date of records collected. Note: records are plotted using the Texas Land Survey Grid System, identifying the 2.5 minute grid where wells are located but do not contain the offset necessary to pinpoint a specific location. Therefore, plotted locations are accurate to a resolution of 2.5 minute (2-3 miles).

Plugged Water Wells

PLUGGED WELLS

A list of plugged water wells from the Submitted Drillers Report (SDR) Database. This list is maintained by the Texas Water Development Board (TWDB).

Public Water Systems Wells and Surface Intakes

PWSW

Public Water Supply Water Well Sites and Public Water Supply Surface Water Intake Sites in the State of Texas made available by the Texas Commission on Environmental Quality (TCEQ). The locations for these layers were obtained by the Water Supply Division as recorded from various sources, and the data provider indicates that some locational errors have been identified. As resources allow, TCEQ intends to improve the accuracy of these locations to meet the standards set forth in the agency's Positional Data Policy.

Select Wells from SDR

SDRW WELLS

Locations of wells from the Submitted Drillers Report (SDR) Database with select proposed usage:

Appendix

Domestic, Fracking Supply, Industrial, Irrigation, Other, Public Supply, Rig Supply, Stock, Unknown. SDR is populated from the online Texas Well Report Submission and Retrieval System (TWRSSRS), a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application requiring registered water-well drillers to submit reports. Excludes SDR records with the following proposed usage: Closed-Loop Geothermal, De-watering, Environmental Soil Boring, Extraction, Injection, Monitor, Test Well.

Submitted Drillers Report Database

SDR WELLS

The Submitted Drillers Report (SDR) Database is populated from the online Texas Well Report Submission and Retrieval System (TWRSSRS) which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

Surveys

SURVEY

Survey boundaries made available by the Railroad Commission of Texas (RRC). A survey is a certified measured description of a piece of land. In Texas, original surveys were performed as part of the patenting process whereby land was transferred from the public domain. These "patent surveys", recorded at the Texas General Land Office (GLO), constitute an official land grid for the State and are the basis for subsequent land surveys. The digital data used to create surveys were taken from the forms system within the RRC, from the General Land Office (GLO) county survey maps, and United States Geological Survey (USGS) quadrangle maps.

Underground Injection Control

UIC

List of underground injection control (UIC) permits in the Texas Commission on Environmental Quality (TCEQ) Central Registry database. Includes Class I, Class III, Class IV, Class 5, and non permitted UICs; does not include injection wells regulated by the Railroad Commission of Texas.

Water Utility Database

WUD

The Water Utility Database is defined as a collection of data from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCEQ. This database is an integrated database designed and developed to replace over 160 stand alone legacy systems representing over 5 million records of the former Texas Water Commission and the Texas Department of Health.

Well Log Reports from Plotted Water Wells

TCEQ WELL LOGS

Locations of TCEQ Water Wells as derived from well logs in the Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer, which includes unnumbered water wells and those plotted to 2.5 minute grid locations (2-3 miles). In this collection of Well Log Reports, locations have been manually verified.

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Aboveground Storage Tank Facility Plan Application (TCEQ-0575)

Aboveground Storage Tank Facility Plan Application

Texas Commission on Environmental Quality

For Permanent Storage on The Edwards Aquifer Recharge and Transition Zones And Relating to 30 TAC §213.5(e), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Aboveground Storage Tank Facility Plan Application** is hereby submitted for TCEQ review and Executive Director approval. The application was prepared by:

Print Name of Customer/Agent: The University of Texas at Austin / Irezama Anderson

Date: 1/10/2024

Signature of Customer/Agent:



Regulated Entity Name: The University of Texas at Austin, JJ Pickle Research Campus Austin

Aboveground Storage Tank (AST) Facility Information

1. Tanks and substance stored:

Table 1 - Tank and Substance Storage

AST Number	Size (Gallons)	Substance to be Stored	Tank Material
1	6,000 (part of 9,000-gallon tank system)	Acid Waste	Polypropylene
2	3,000 (part of 9,000-gallon tank system)	Acid Waste	Polypropylene

<i>AST Number</i>	<i>Size (Gallons)</i>	<i>Substance to be Stored</i>	<i>Tank Material</i>
3	150	Hydrofluoric Acid Waste	Polypropylene
4	5,000	Solvent Waste	Steel
5	5,000	Tunnel Acid Waste	Steel

Total x 1.5 = 28,725 Gallons

2. ☒ The AST will be placed within a containment structure that is sized to capture one and one-half (1 1/2) times the storage capacity of the system. For facilities with more than one tank system, the containment structure is sized to capture one and one-half (1 1/2) times the cumulative storage capacity of all systems.

☐ **Attachment A - Alternative Methods of Secondary Containment.** Alternative methods for providing secondary containment are proposed. Specifications that show equivalent protection for the Edwards Aquifer are attached.

3. Inside dimensions and capacity of containment structure(s):

Table 2 - Secondary Containment

<i>Length (L) (Ft.)</i>	<i>Width (W) (Ft.)</i>	<i>Height (H) (Ft.)</i>	<i>L x W x H = (Ft3)</i>	<i>Gallons</i>
See Attachment A.2 for secondary containment calculations				

Total: 42,193 Gallons

4. ☐ All piping, hoses, and dispensers will be located inside the containment structure.
- ☒ Some of the piping to dispensers or equipment will extend outside the containment structure.
- ☒ The piping will be aboveground
- ☒ The piping will be underground
5. ☒ The containment area must be constructed of and in a material impervious to the substance(s) being stored. The proposed containment structure will be constructed of Concrete with epoxy coatings.
6. ☒ **Attachment B - Scaled Drawing(s) of Containment Structure.** A scaled drawing of the containment structure that shows the following is attached:

- ☒ Interior dimensions (length, width, depth and wall and floor thickness).
- ☒ Internal drainage to a point convenient for the collection of any spillage.
- ☒ Tanks clearly labeled.
- ☒ Piping clearly labeled.
- ☒ Dispenser clearly labeled.

Site Plan Requirements

Items 7 - 18 must be included on the Site Plan.

7. ☒ The Site Plan must have a minimum scale of 1" = 400'.
Site Plan Scale: 1" = 140'.
8. 100-year floodplain boundaries:
 - ☐ Some part(s) of the project site is located within the 100-year floodplain. The floodplain is shown and labeled.
 - ☒ No part of the project site is located within the 100-year floodplain.
 - ☒ The 100-year floodplain boundaries are based on the following specific (including date of material) sources(s): Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRMs), Panel 0265K, Map Number 48453C0265K, January 6, 2016.
9. ☐ The layout of the development is shown with existing and finished contours at appropriate, but not greater than ten-foot contour intervals. Show lots, recreation centers, buildings, roads, etc.
- ☒ The layout of the development is shown with existing contours. Finished topographic contours will not differ from the existing topographic configuration and are not shown.
10. All known wells (oil, water, unplugged, capped and/or abandoned, test holes, etc.):
 - ☐ There are _____ (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply):
 - ☐ The wells are not in use and have been properly abandoned.
 - ☐ The wells are not in use and will be properly abandoned.
 - ☐ The wells are in use and comply with 16 TAC § 76.
 - ☒ There are no wells or test holes of any kind known to exist on the project site.
11. Geologic or manmade features which are on the site:
 - ☐ All sensitive geologic or manmade features identified in the Geologic Assessment are shown and labeled.
 - ☒ No sensitive geologic or manmade features were identified in the Geologic Assessment.
 - ☐ **Attachment C - Exception to the Geologic Assessment.** A request and justification for an exception to a portion of the Geologic Assessment is attached.

- 12. ☒ The drainage patterns and approximate slopes anticipated after major grading activities.
- 13. ☒ Areas of soil disturbance and areas which will not be disturbed.
- 14. ☒ Locations of major structural and nonstructural controls. These are the temporary and permanent best management practices.
- 15. ☒ Locations where soil stabilization practices are expected to occur.
- 16. ☐ Surface waters (including wetlands).
☒ N/A
- 17. ☒ Locations where stormwater discharges to surface water or sensitive features.
☐ There will be no discharges to surface water or sensitive features.
- 18. ☒ Legal boundaries of the site are shown.

Best Management Practices

- 19. ☒ Any spills must be directed to a point convenient for collection and recovery. Spills from storage tank facilities must be removed from the controlled drainage area for disposal within 24 hours of the spill.
 - ☐ In the event of a spill, any spillage will be removed from the containment structure within 24 hours of the spill and disposed of properly.
 - ☒ In the event of a spill, any spillage will be drained from the containment structure through a drain and valve within 24 hours of the spill and disposed of properly. The drain and valve system are shown in detail on the scaled drawing.
- 20. ☒ All stormwater accumulating inside the containment structure will be disposed of through an authorized waste disposal contractor.
 - ☒ Containment area will be covered by a roof.
 - ☐ Containment area will not be covered by a roof.
 - ☐ A description of the alternate method of stormwater disposal is submitted for the executive director's review and approval and is attached.
- 21. ☒ **Attachment D - Spill and Overfill Control.** A site-specific description of the methods to be used at the facility for spill and overfill control is attached.
- 22. ☒ **Attachment E - Response Actions to Spills.** A site-specific description of the planned response actions to spills that will take place at the facility is attached.

Administrative Information

- 23. A Water Pollution Abatement Plan (WPAP) is required for construction of any associated commercial, industrial or residential project located on the Recharge Zone.

- ☐ The WPAP application for this project was approved by letter dated _____. A copy of the approval letter is attached at the end of this application.
- ☐ The WPAP application for this project was submitted to the TCEQ on _____, but has not been approved.
- ☐ A WPAP application is required for an associated project, but it has not been submitted.
- ☐ There will be no building or structure associated with this project. In the event a building or structure is needed in the future, the required WPAP will be submitted to the TCEQ.
- ☒ The proposed AST is located on the Transition Zone and a WPAP is not required. Information requested in 30 TAC 213.5 subsection (b) (4)(B) and (C) and (5) is provided with this application. (Forms TCEQ-0600 Permanent Stormwater Section and TCEQ-0602 Temporary Stormwater Section or Stormwater Pollution Prevention Plan/SW3P).
24. ☒ This facility is subject to the requirements for the reporting and cleanup of surface spills and overfills pursuant to 30 TAC 334 Subchapter D relating to Release Reporting and Corrective Action.
25. ☒ Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
26. ☒ Any modification of this AST Facility Plan application will require executive director approval, prior to construction, and may require submission of a revised application, with appropriate fees.

Attachment A
Alternative Methods of Secondary Containment
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Alternative methods of secondary containment were not warranted and do not apply to the project. See containment information provided in the Aboveground Storage Tank Facility Plan (TCEQ-0575) and Secondary Containment Calculations in **Attachment A.2**.

Attachment A.2

Secondary Containment Calculations

Containment Calculations
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Aboveground Storage Tank Acid Waste System, Tanks #1 and #2 (One 6,000 gallon tank, One 3,000 gallon tank)

Containment 1¹	
Containment Type	Concrete
Containment Footprint (l x w) (ft ²)	366.0
Containment Height (ft)	7.25
Volume of Containment (l x w x h) (ft ³)	2,653
Volume of Containment (gal)	19,848

Largest Tank²	
Tank ID	1 & 2
Tank Volume (gal)	9,000
Tank Appurtenances (10% total volume) (gal) ³	900

Summary		
Containment Capacity (gal)	19,848	1
Tank Appurtenances (gal)	900	2
Net Containment Capacity (gal)=(1-2)	18,948	3
Volume of Largest Tank (gal)	9,000	4
Additional Containment Capacity (gal)=(3-4)	9,948	
Required Containment Capacity (gal)= (4 x 1.5)	13,500	

Notes:

¹ Measurements of containment provided on page 1T-S2.01 of the design plans, provided by The University of Texas at Austin. As seen on page 1T-S2.01 of the design plans, this containment has a downward U-shaped containment. The containment is an underground sump with the tanks for the acid waste system sitting on a platform at ground level above the containment.

² The tank system consists of one 6,000-gallon tank and one 3,000-gallon tank. Both tanks sit above one containment.

³ Appurtenance volume was assumed to be 10 percent.

Containment Calculations
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Aboveground Storage Tank #3, Hydrofluoric Acid Waste

Containment 2¹	
Containment Type	Concrete
Containment Footprint (l x w) (ft ²)	54.6
Containment Height (ft)	7.25
Volume of Containment (l x w x h) (ft ³)	396
Volume of Containment (gal)	2,959

Largest Tank	
Tank ID	3
Tank Volume (gal)	150
Tank Appurtenances (10% total volume) (gal) ²	15

Summary		
Containment Capacity (gal)	2,959	1
Tank Appurtenances (gal)	15	2
Net Containment Capacity (gal)=(1-2)	2,944	3
Volume of Largest Tank (gal)	150	4
Additional Containment Capacity (gal)=(3-4)	2,794	
Required Containment Capacity (gal)= (4 x 1.5)	225	

Notes:

¹ Measurements of containment provided on page 1T-S2.01 of the design plans, provided by The University of Texas at Austin.

² Appurtenance volume was assumed to be worst case at 10 percent.

Containment Calculations
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Aboveground Storage Tank #4, Solvent Waste

Containment 3¹	
Containment Type	Concrete
Containment Footprint (l x w) (ft ²)	150.0
Containment Height (ft)	8.75
Volume of Containment (l x w x h) (ft ³)	1,312
Volume of Containment (gal)	9,818

Largest Tank	
Tank ID	4
Tank Volume (gal)	5,000
Tank Appurtenances (10% total volume) (gal) ²	500

Summary		
Containment Capacity (gal)	9,818	1
Tank Appurtenances (gal)	500	2
Net Containment Capacity (gal)=(1-2)	9,318	3
Volume of Largest Tank (gal)	5,000	4
Additional Containment Capacity (gal)=(3-4)	4,318	
Required Containment Capacity (gal)= (4 x 1.5)	7,500	

Notes:

¹ Measurements of containment provided on page 1T-S2.01 of the design plans, provided by The University of Texas at Austin. As seen on page 1T-S2.01, the containment is a square underground sump with a raised square-shaped platform in the middle to hold the tank above the containment at ground level.

² Appurtenance volume was assumed to be worst case at 10 percent.

Containment Calculations
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Aboveground Storage Tank #5, Tunnel Acid Waste

Containment 4¹	
Containment Type	Concrete
Containment Footprint (l x w) (ft ²)	146.2
Containment Height (ft)	8.75
Volume of Containment (l x w x h) (ft ³)	1,279
Volume of Containment (gal)	9,568

Largest Tank	
Tank ID	5
Tank Volume (gal)	5,000
Tank Appurtenances (10% total volume) (gal) ²	500

Summary		
Containment Capacity (gal)	9,568	1
Tank Appurtenances (gal)	500	2
Net Containment Capacity (gal)=(1-2)	9,068	3
Volume of Largest Tank (gal)	5,000	4
Additional Containment Capacity (gal)=(3-4)	4,068	
Required Containment Capacity (gal)= (4 x 1.5)	7,500	

Notes:

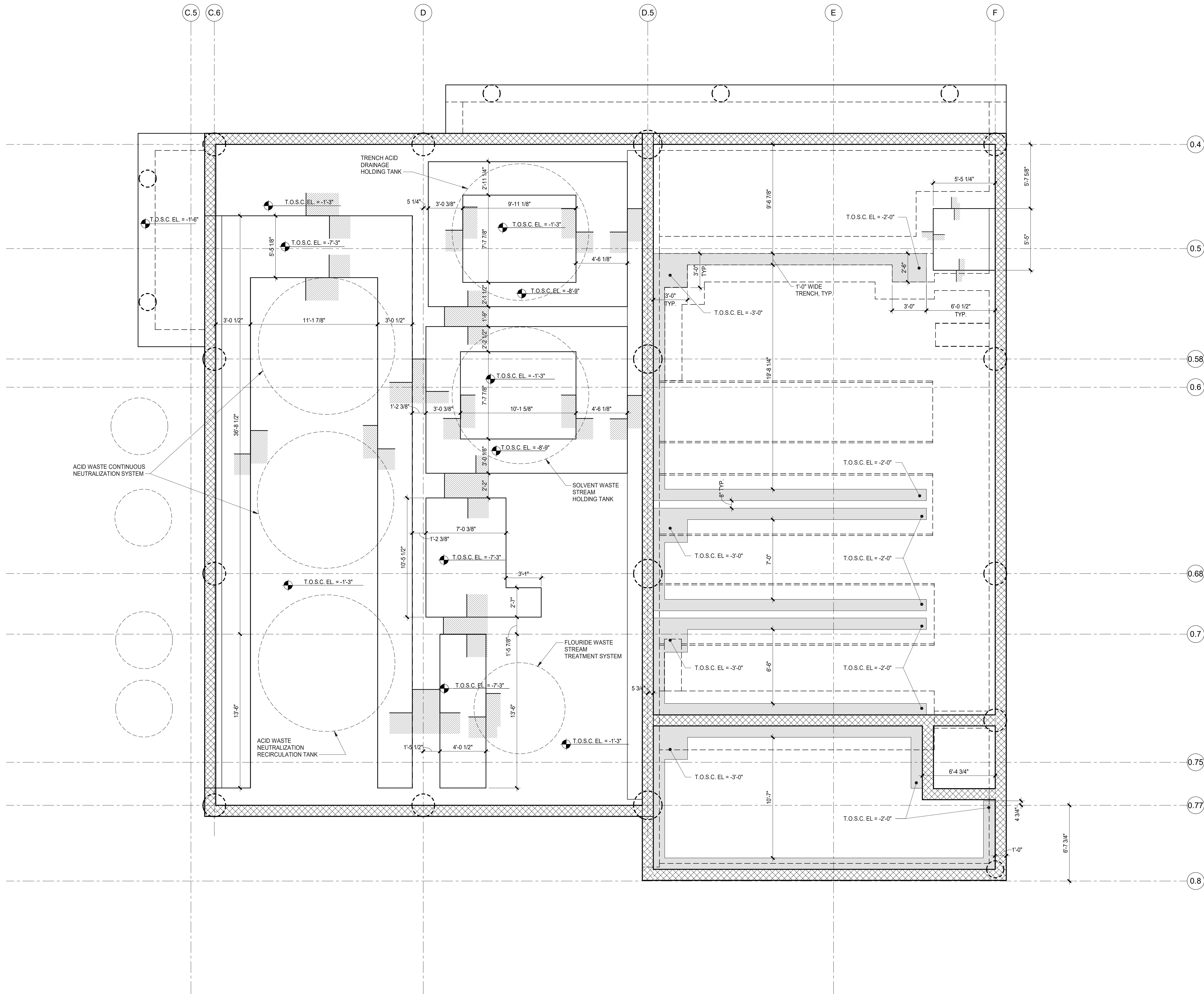
¹ Measurements of containment provided on page 1T-S2.01 of the design plans, provided by The University of Texas at Austin. As seen on page 1T-S2.01, the containment is a square underground sump with a raised square-shaped platform in the middle to hold the tank above the containment at ground level.

² Appurtenance volume was assumed to be worst case at 10 percent.

Attachment B

Scaled Drawings of Containment Structures

Autodesk Docs/2022392 UT MER Center Cleanroom Expansion/2023-05-25_STRUCT_23704_UTIMER_R23.rvt



1 ACID WASTE & CHEMICAL STORAGE DIMENSION PLAN
1/4" = 1'-0"

FOR OFFICIAL USE ON THIS UNIVERSITY OF TEXAS AT AUSTIN PROJECT ONLY

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

DR
Datum Rios
www.datarios.com | Co. Reg. No. F-16674
303 West Parkway, Suite 210
San Antonio, TX 78215, 210-469-3699
Datum Rios Project No. 23704

STRUCTURAL SHEETS ARE SEALED FOR ELEMENTS RELATED TO THE TEMPORARY PACKAGE ONLY. OTHER PHASES ARE SHOWN FOR REFERENCE AND PLANNING ONLY. STRUCTURAL FRAMING WILL REQUIRE FURTHER COORDINATION WITH OTHER DISCIPLINES FOR CONSTRUCTION.

SEAL / SIGNATURE:



ORIGINAL ISSUE DATE 01/05/24
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM
BUILD-OUT AND
EXPANSION

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

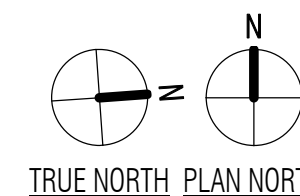
102-1400 -
PHASE B-2

SHEET TITLE:

ENLARGED PARTIAL
FRAMING PLAN

SHEET NUMBER:

1T-S2.01



Attachment C

Exception to the Geologic Assessment

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

No exception was made for the Geologic Assessment for the Aboveground Storage Tank Facility Plan for The University of Texas at Austin, JJ Pickle Research Campus in Austin. See the Geologic Assessment Form (TCEQ-0585) for the assessment details.

Attachment D
Spill and Overfill Control

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Each aboveground storage tank (AST) is equipped with high- and low-level alarms, as well as flow sensors and motorized block valves. Each AST is equipped with a secondary containment system that is able to hold one and a half times the amount that is stored in each tank.

Attachment E

Response Actions to Spills

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

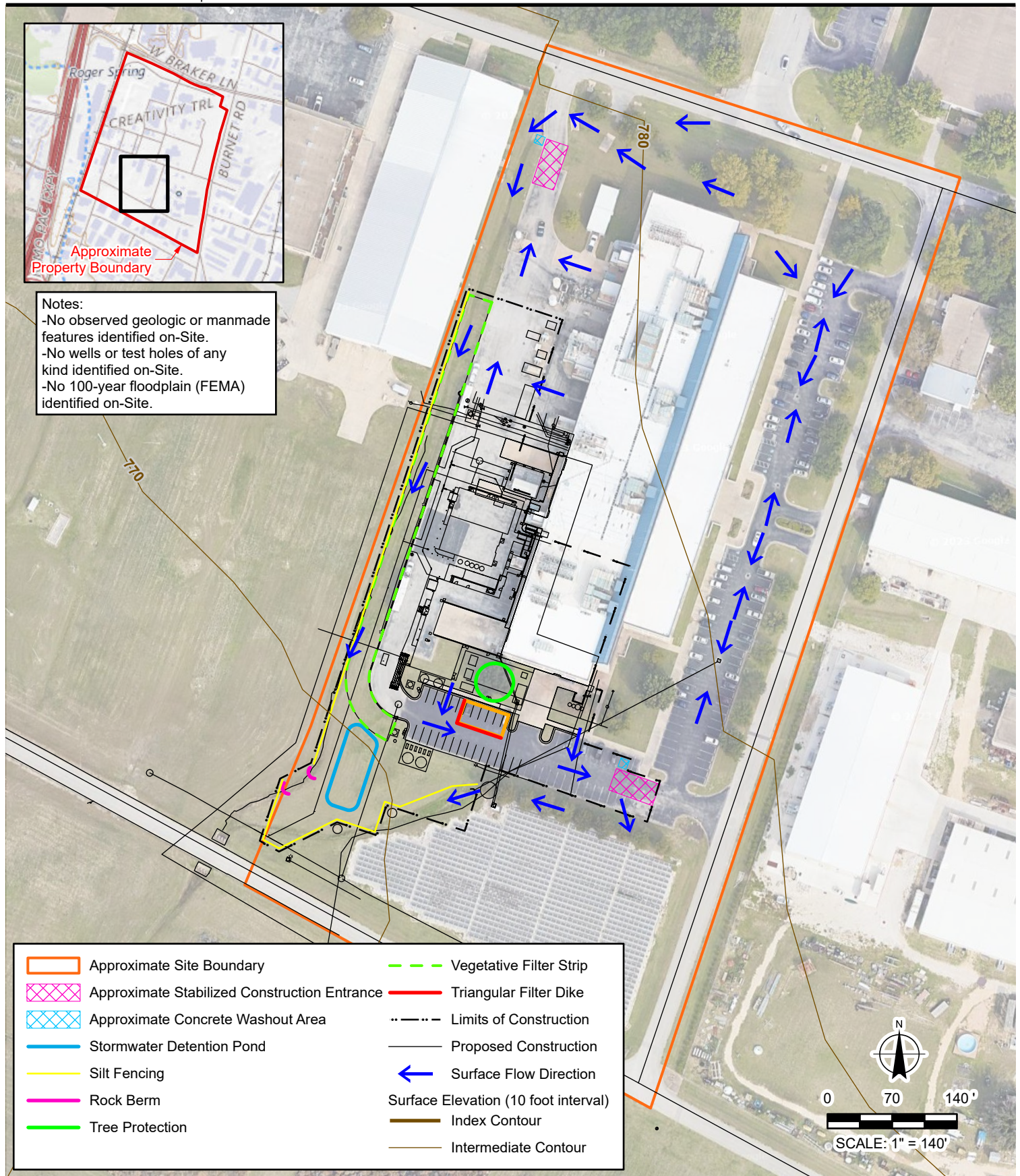
The University of Texas (UT) at Austin has a Spill Prevention, Control, and Countermeasure (SPCC) plan for the JJ Pickle Research Campus. Procedures are in place to respond to spills immediately during business hours and the university has an on-call system in place providing response coverage 24 hours a day. In the event of a spill at the aboveground storage tank farm, facility personnel will respond immediately to evaluate the situation and will notify Environmental, Health, and Safety (EHS) personnel, UT Police, and/or Austin Fire Department, as needed. EHS will coordinate response efforts utilizing internal and contracted cleanup.

The measures to be taken to contain spills are as follows:

- If it is safe to do so, identify the source and stop the leak or spill. Call 911 for help, if necessary.
- Eliminate ignition sources, including engines.
- Establish containment around the spill or ensure that established containment is secure (i.e., place booms, dirt or sorbent, or any other activity that is safe and will keep the release material from spreading).
- If the volume released exceeded the reportable quantity in accordance with 40 Code of Federal Regulations (CFR) 302.4, call the National Response Center (800.424.8802) and the Texas Commission on Environmental Quality Environmental Release Hotline (24-Hour) (800.832.8224).
- Supervise containment, repairs, and remediation activities.
- Ensure that all wastes are properly collected and disposed.
- Conduct sampling, if necessary, to document the removal of all spilled materials.

Attachment F

Site Plan



Attachment G

Tank and Piping Manufacturing Specifications

Quotation

RFQ # 11420C-0823



An Ovivo Company

October 19, 2023

Jacob Fritsch, PE
Senior Plumbing Engineer
Cleary Zimmermann Engineers

Subject: BUDGETARY: ProDELTA™ Plus 300 GPM Continuous pH Neutralization System
3,000 Gallon Equalization Tank
150 Gallon Batch HF Treatment System
1,500 Gallon Copper Waste Collection Tank and Transfer Pump Lift Station
5,000 Gallon Solvent Waste Collection Tank and Transfer Pump Lift Station
2,400 Gallon Acid, HF, and Copper Waste Fiberglass Pump Lift Stations
2,400 Gallon Solvent Waste Fiberglass Pump Lift Station

Dear Jacob,

Following is the budgetary proposal for a ProDELTA™ Plus **300 GPM** Continuous pH Neutralization System, **3000 Gallon Equalization Tank, 150 Gallon Batch HF Treatment System, 1500 Gallon Copper Waste Collection System, 5000 Gallon Solvent Waste Collection System, four (4) 2400 Gallon Acid, HF, and Copper Waste Fiberglass Pump Lift Stations, and a 2400 Gallon Solvent Waste Fiberglass Pump Lift Station.** The ProDELTA™ is a two-stage system with a PLC-based control panel designed for a continuous inlet flowrate of **300 GPM (hydraulically rated for 600 GPM)**. The advantage of a two-stage system is evidenced in treating wastewater with an extreme inlet pH and in providing insurance against an out-of-compliance discharge due to the presence of two reaction stages.

WASTECH CONTROLS & ENGINEERING, LLC ("Wastech") is a corporation that has been serving the wastewater and process industries since 1987. Wastech is a process system integrator specializing in turnkey solutions for various industries known for highly skilled labor force and well-trained engineering staff. Wastech is an ISO 9001:2015 certified company, has a UL508A and UL698A rated panel shop, and is an Allen Bradley Solution Provider. We have extensive process knowledge and sound manufacturing capabilities in semiconductor, pharmaceutical, biotechnology, metal finishing, food and beverage, wastewater treatment, and chemical processing industries.

PROCESS DESCRIPTION – pH NEUTRALIZATION SYSTEM

Wastewater enters the equalization tank where the waste is stored prior to treatment. The waste is then transferred to the pH system for treatment.

The ProDELTA™ Plus continuous pH neutralization system is a continuous two-stage skid-mounted system. The incoming flow enters the first stage reaction tank where coarse pH adjustment takes place. Each reaction tank is equipped with a mixer and is baffled to prevent any flow bypassing treatment prior to overflowing to the next reaction stage. The first stage reaction tank gravity overflows into the second stage reaction tank for final pH adjustment. The second stage reaction tank gravity overflows to the monitoring tank. If the pH in the monitoring tank is within the user specified dischargeable range the wastewater will gravity discharge from the system. 25-50% sodium hydroxide and 50% sulfuric acid are pumped into the reaction tanks based on pH probes installed in the tanks. Sulfuric acid and sodium hydroxide are pumped from customer supplied drums/totes placed near the system skid. The system metering pumps will be mounted on the edge of the system skid. The system includes a low-level switch for each of the customer's chemical drums/totes that will alarm in the control panel if the chemical supply is low. Addition of neutralization chemicals is controlled by a PLC-based control panel. The monitoring tank is equipped with a pH probe to monitor the discharge pH. This pH probe will be used to data log the discharge pH. The system

Quotation

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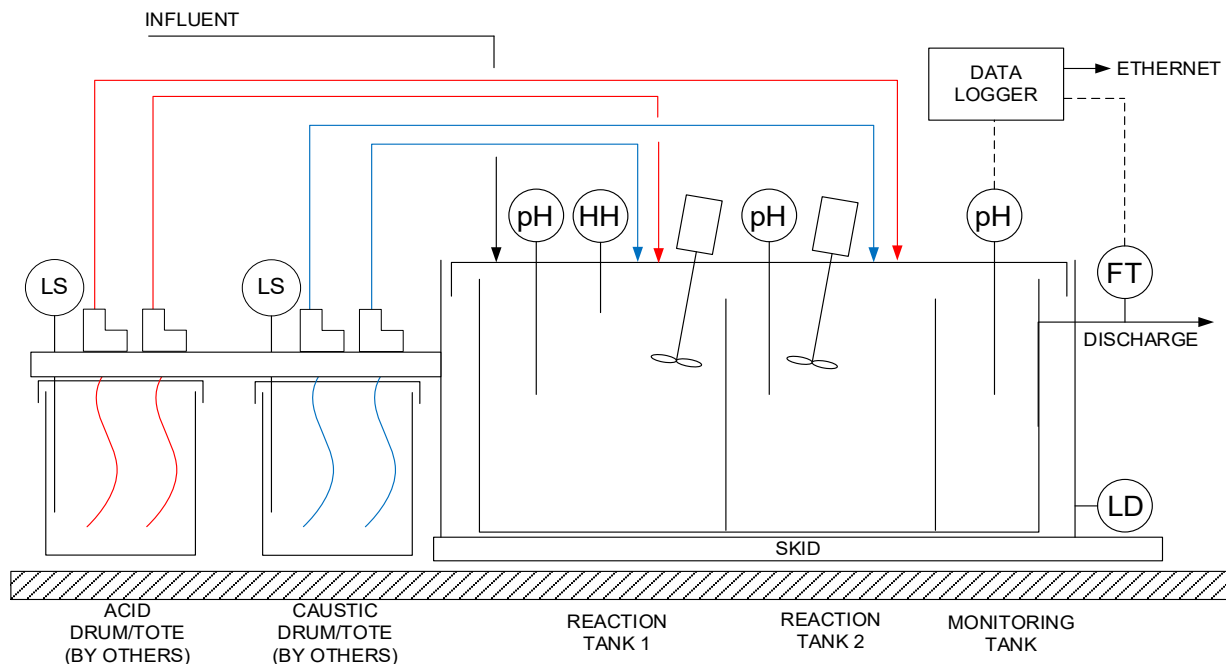
An Ovivo Company

includes a color touchscreen and the digital data logger is incorporated into the touchscreen. The data can be retrieved with a USB drive or a BACnet connection.

SPECIFICATION FOR PH NEUTRALIZATION SYSTEM

Inlet feed rate: **300 GPM (hydraulically rated up to 600 GPM)**
Incoming pH: 2-12 (occasionally up to 13)
Incoming Temp: < 140 °F (occasionally up to 180 °F)
Discharge pH: 6 to 8 (User adjustable)
Discharge Type: Gravity
Location: Outdoors, installed under a canopy (provided by others)

PRODELTA™ PLUS CONTINUOUS PH SYSTEM PROCESS DIAGRAM



EQUALIZATION TANK – MAJOR EQUIPMENT

- One (1) Epoxy coated steel skid
- One (1) Fabricated double-contained 3000 gallon polypropylene equalization tank, with the following:
 - Two (2) Horizontal transfer pumps, 304SS, each rated for 300 GPM @ 30' TDH
 - One (1) level transmitter for pump control
 - One (1) High-high level switch installed in the first reaction tank
 - Estimated tank dimensions to be 110" x 100" x 118" H
- Pipe and fittings to be constructed of SCH 80 CPVC
- Controls by pH System Control Panel

Quotation

RFQ # 11420C-0823



An Ovivo Company

NEUTRALIZATION SYSTEM – MAJOR EQUIPMENT

- One (1) Epoxy coated steel skid
- Two (2) Fabricated double-contained polypropylene reaction tanks each with the following:
 - One (1) Top mounted mixer with stainless steel shaft and impeller
 - One (1) Top mounted pH probe and preamplifier
 - One (1) High-high level switch installed in the first reaction tank
- One (1) Fabricated double-contained polypropylene monitoring tank including:
 - One (1) Top mounted pH probe and preamplifier
- Includes ladder and handrails
- One (1) Sodium hydroxide injection system including:
 - Two (2) Metering pumps for 25-50% sodium hydroxide
 - Two (2) Injection and foot valves
 - Two (2) Level switches for low caustic alarm
- One (1) Sulfuric acid injection system including:
 - Two (2) Metering pumps for 50% sulfuric acid
 - Two (2) Injection and foot valves
 - Two (2) Level switches for low acid alarm
- One (1) Discharge flowmeter, magnetic-type
- One (1) System leak detection switch
- **Estimated dimensions of 140" x 320" x 155" H**
- Pipe and fittings to be constructed of SCH 80 CPVC

NEUTRALIZATION SYSTEM UL RATED PLC-BASED CONTROL PANEL – MAJOR EQUIPMENT

- One (1) NEMA Type 4 powder-coated carbon steel enclosure
- One (1) Process On/Off switch
- One (1) Programmable Logic Controller, Allen Bradley CompactLogix with BACnet IP Communication
- One (1) Maple HMI color touchscreen with built-in data logger
 - Trending Includes the following:
 - Continuous pH measurement for process tanks
 - Discharge pH measurement for monitoring tank
 - Continuous and totalized discharge flowrate
- Three (3) pH transmitters
- One (1) Common Alarm Stack Light
- One (1) Audible alarm buzzer
- One (1) Alarm silence button
- PVC Conduit

As a standard feature, each ProDELTA control panel is equipped with the following interlocks/dry contacts:

- 1. One (1) Normally Closed (NC), pH Out of Range Alarm Dry Contact**
- 2. One (1) Normally Closed (NC), Common Alarm Dry Contact**
- 3. One (1) Normally Closed (NC), Influent permissive**

Quotation

RFQ # 11420C-0823



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SPECIFICATION FOR FLUORIDE REMOVAL SYSTEM

Influent Fluoride Concentration: TBC
Influent Temperature: < 140 °F
Batch Treatment Size: 150 Gallons
Batch Treatment Time: 3 Hours (estimated)
Discharge fluoride: < 20 ppm
Discharge Type: Pumped
Installation: Outdoors, installed under a canopy (provided by others)

Wastech will perform standard Startup and Commissioning services, which includes verification that the system is operating as intended in accordance with submitted and approved design and Site Acceptance Testing (SAT) documents. This proposal is based on the client's existing operating conditions and treatment chemistries that the client is supplying to Wastech. Wastech therefore cannot be held responsible for discharge compliance.

PROCESS DESCRIPTION – FLUORIDE REMOVAL SYSTEM

The city water control valve will open to allow the reaction tank to fill with a heel of water prior to treatment. The reaction tank will have a cone bottom to facilitate removal of solids from the tank. Calcium chloride will be pumped to the reaction tank based on the fluoride level within the tank. The calcium chloride will be pumped to the reaction tank with a chemical metering pump located on a pump shelf on the reaction tank skid. Calcium hydroxide will be added to the reaction tank based on the pH and fluoride measurement in the tank. The calcium hydroxide will be pumped to the reaction tank with an air operated diaphragm pump located on a pump shelf on the reaction tank skid.

Polymer is then added to the reaction tank to flocculate the solids into larger particles to facilitate settling. After polymer addition, the solids will be allowed to settle at the bottom of the cone bottom tank. The clear treated water will gravity drain through a decant line on the reaction tank to the discharge pump lift station for discharge from the system. The settled solids in the reaction tank will be pumped through a filter press to the discharge pump lift station. The solids from the filter press will be collected in a drum to be hauled off for disposal.

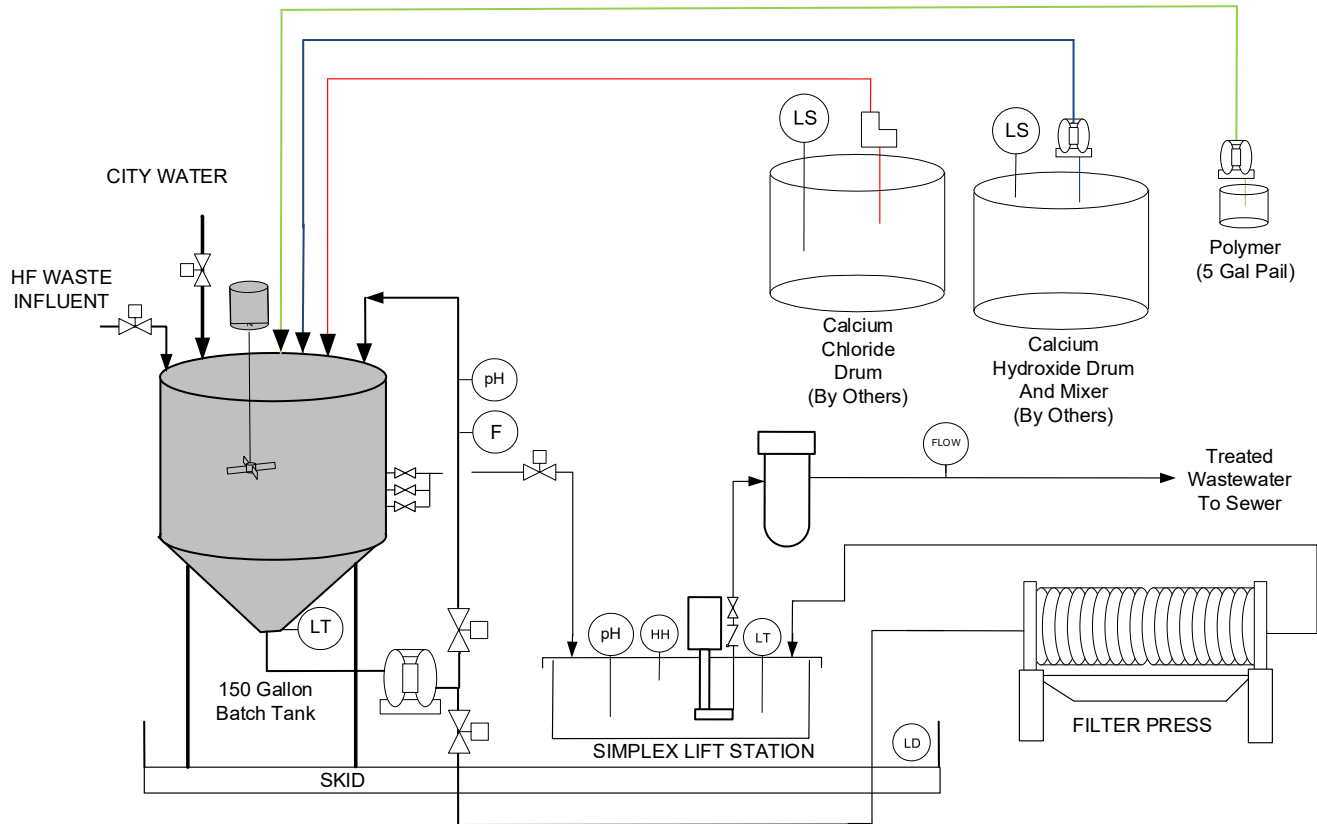
Quotation

RFQ # 11420C-0823



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FLUORIDE REMOVAL SYSTEM PROCESS DIAGRAM



FLUORIDE REMOVAL SYSTEM – MAJOR EQUIPMENT

- One (1) Fabricated polypropylene skid, includes containment berm
- One (1) 150 Gallon reaction tank, Polyethylene, single-contained, cone bottom, with the following:
 - One (1) Top mounted mixer with stainless steel shaft and impeller, Teflon coated
 - One (1) Multi-point level switch assembly, float-type
 - One (1) Air operated diaphragm pump for transfer/recirculation, polypropylene construction, includes stroke monitoring
 - One (1) pH probe, installed in the recirculation line
 - One (1) Fluoride probe, installed in the recirculation line
 - Two (2) Pneumatically actuated diaphragm valves for tank recirculation/transfer line, CPVC
 - One (1) Pneumatically actuated diaphragm valve for decant line, CPVC
 - One (1) Pneumatically actuated diaphragm valve for influent line, CPVC
- One (1) 3 FT³ filter press with extension legs and drum chute, shipped loose
- One (1) Pump Lift station for filtrate to final disposal with the following:
 - One (1) 32 gallon fabricated polypropylene discharge pump lift station, single-contained, with the following:
 - One (1) Vertical centrifugal pump rated for 30 gpm @ 30' TDH, CVPC construction
 - One (1) Top mounted level transmitter
 - One (1) Redundant high-high level switch

Quotation

RFQ # 11420C-0823



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- One (1) pH Probe and preamplifier
- One (1) Discharge bag filter housing
- One (1) Discharge flowmeter, magnetic type
- One (1) pump for 25-30% Calcium hydroxide
- One (1) Low level switch for installation in customer supplied calcium hydroxide drum
- One (1) pump for 25-35% Calcium chloride
- One (1) Low level switch for installation in customer supplied calcium chloride drum
- One (1) Neat Polymer Injection System
- Chemical dosing pumps installed on a polypropylene pump shelf located on the skid
- Estimated system dimensions to be 82" x 65" x 85" H
- One (1) System leak detection switch
- Piping and fittings constructed of SCH 80 CPVC

FLUORIDE REMOVAL SYSTEM UL RATED PLC-BASED CONTROL PANEL – MAJOR EQUIPMENT

- One (1) NEMA/UL Type 4 powder-coated carbon steel enclosure
- One (1) Process On/Off switch
- One (1) Programmable Logic Controller, Allen Bradley CompactLogix with BACnet Communication
- One (1) Maple Systems HMI, color touchscreen with built-in data logger
 - Trending Includes the following:
 - Continuous pH measurement for reaction tank
 - Continuous Fluoride measurement for reaction tank
 - Continuous and totalized discharge flowrate
- One (1) Variable frequency drive for reaction tank mixer, Allen Bradley
- One (1) pH transmitter
- One (1) Fluoride Analyzer
- One (1) Common Alarm Stack Light
- One (1) Audible alarm buzzer
- One (1) Alarm silence button
- PVC Conduit

COPPER HOLDING TANK – MAJOR EQUIPMENT

- One (1) Polypropylene skid
- One (1) Fabricated double-contained 1500 gallon polypropylene holding tank, with the following:
 - One (1) Level transmitter with display for pump control
 - One (1) High-high level switch installed in the first reaction tank
 - One (1) Tanker truck connection w/ball valve
 - Estimated tank dimensions to be 84" x 65" x 85" H
- One (1) System leak detection switch
- Pipe and fittings to be constructed of SCH 80 CPVC

COPPER HOLDING TANK UL RATED RELAY-BASED CONTROL PANEL – MAJOR EQUIPMENT

- One (1) NEMA/UL Type 4 powder-coated carbon steel enclosure
- One (1) Process On/Off switch
- Two (2) Pump HOA switches
- One (1) Common Alarm Stack Light

Quotation

RFQ # 11420C-0823



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- One (1) Audible alarm buzzer
- One (1) Alarm silence button
- PVC Conduit

SOLVENT HOLDING TANK – MAJOR EQUIPMENT

- One (1) Fabricated single-contained 5000 gallon 304SS holding tank, atmospheric, mill finish, with the following:
 - One (1) level transmitter with display for pump control
 - One (1) High-high level switch
 - One (1) Tanker truck connection w/ball valve
 - Estimated tank dimensions to be 126" x 96" x 126" H
- Pipe and fittings to be constructed of 304SS

SOLVENT HOLDING TANK UL RATED RELAY-BASED CONTROL PANEL – MAJOR EQUIPMENT

- One (1) NEMA/UL Type 4 powder-coated carbon steel enclosure
- One (1) Process On/Off switch
- Two (2) Pump HOA switches
- One (1) Common Alarm Stack Light
- One (1) Audible alarm buzzer
- One (1) Alarm silence button
- PVC Conduit
- Shipped loose, designed to be installed in a non-classified area.

FIBERGLASS PUMP LIFT STATIONS FOR ACID, HF AND COPPER WASTE – MAJOR EQUIPMENT PER EACH SYSTEM

- Fiberglass pump lift stations are for Acid waste (2), HF waste and Copper waste
- One (1) Fabricated fiberglass tank, 5' D x 16' H, 11' invert side inlet, single-contained, with non-traffic rated cover, including the following:
 - Two (2) Submersible pumps, 316SS, each operating 30 GPM @ 40' TDH
 - Each pump includes a discharge check valve and discharge isolation valve
 - Includes SS guiderail assembly
 - One (1) Submersible level transmitter
 - One (1) Redundant high-high level switch, ultrasonic type
- Pipe and fittings to be constructed of SCH 80 CPVC
- Controls provided by main system control panels for the respective waste system

no longer part
of scope.
1/11/24

FIBERGLASS PUMP LIFT STATIONS FOR SOLVENT WASTE – MAJOR EQUIPMENT

- One (1) Fabricated fiberglass tank, interior liner compatible with up to 1% solvent, 5' D x 16' H, 11' invert side inlet, single-contained, with non-traffic rated cover, including the following:
 - Two (2) Submersible pumps, 316SS, explosion-proof motors, rated for Class 1 Div. 1, each operating 30 GPM @ 40' TDH
 - Each pump includes a discharge check valve and discharge isolation valve
 - Includes SS guiderail assembly
 - One (1) Submersible level transmitter, 316 SS, intrinsically safe
 - One (1) Redundant high-high level switch, 316 SS, intrinsically safe

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- Pipe and fittings to be constructed of 316 stainless steel
- Controls provided by solvent system control panel

UTILITIES

- 460 VAC, 3-phase, 60Hz, **60 Amps Total for All Systems (to be confirmed during submittal)**
- **40-60 SCFM Compressed dry air @ 100 psig for instruments, pumps, and filter press**
- **City water – 5 gpm @ 40-60 psig for polymer injection and dilution, to be determined during detailed design**

BUDGETARY PRICING

WASTECH CONTROLS & ENGINEERING, LLC hereinafter referred to as the company to furnish subject to the terms and conditions hereinafter set forth, the equipment and materials described in this proposal. All sections of this proposal referred to will be considered an integral part of this quotation.

ProDELTA™ PLUS 300 GPM CONTINUOUS PH NEUTRALIZATION SYSTEM \$ 397,600.00 EA
(WASTECH P/N: PDP-300-2-DC-G-B-M-AM-4-N4-LR-DL-FL)
(HYDRAULICALLY RATED FOR 600 GPM)
(INCLUDES 3000 GALLON EQ TANK)

OPTIONAL: OUT OF SPEC RECIRCULATION \$ 14,400.00 EA
(INCLUDES DISCHARGE CONTROL VALVE AND OUT OF SPEC PUMP)

FLUORIDE REMOVAL SYSTEM \$ 249,500.00 EA
(WASTECH P/N: FRS-NA-150-1-3FP-M-AM-4-N4-DC-DL-FL)

COPPER WASTE COLLECTION SYSTEM..... \$ 56,500.00 EA
(INCLUDES 1500 GALLON COPPER WASTE HOLDING TANK)

SOLVENT WASTE COLLECTION SYSTEM..... \$ 209,200.00 EA
(5000 GALLON SOLVENT WASTE HOLDING TANK)

~~**FIBERGLASS LIFT STATIONS FOR AWN, HF AND COPPER WASTE, QTY 4 \$ 139,100.00 EA / \$ 556,400.00 TOTAL**~~

stainless steel lift
stations
1/11/2024

~~**FIBERGLASS LIFT STATION FOR SOLVENT WASTE \$ 171,700.00 EA**~~

pH PROBE CALIBRATION STAND \$ 500.00 EA
(WASTECH P/N: pH-CAL)

RECOMMENDED STARTUP AND TRAINING (TWO ENGINEERS ON-SITE FOR 4 DAYS) \$ 16,900.00
(INCLUDES ALL TRAVEL EXPENSES)

OPTIONAL: SkidLink – Hardware, Setup Fee, and 2-Year Data Contract (see Note Below) \$ 3,999.00

APPLICABLE SALES TAXES NOT INCLUDED
FOB CHATSWORTH, CA

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NOTE: SKIDLINK REMOTE MONITORING/SERVICE PLANS

SkidLink web-based technology allows your operators to log in to your system's HMI remotely from their own smartphones, tablets or computers. Requiring only a web browser and internet connection, SkidLink enables facilities personnel to be within arm's reach of your process equipment – any time of day, from anywhere in the world.

SkidLink also allows Wastech Engineers to tune, troubleshoot and service your system remotely over standard cellular data networks. The following items are featured in Wastech's SkidLink plan:

- Fast and reliable 4G cellular service
- No facility network tie-in, IT involvement, or special software required
- Password protected VPN connection with SSL/TLS security
- Access from nearly any device: PC, Mac, smartphone, tablet, notebook, etc.
- Remote web access for HMI
- Remote download of datalogger reports, past and present
- Email/text alarm notifications
- On-demand Wastech technical login

PAYMENT TERMS

- 35% down payment, due upon receipt of invoice, prior to submittal release
- 35% upon engineering submittal, Net 30 days
- 30% upon shipment, Net 30 days

ESTIMATED SCHEDULE AND DELIVERY

- Engineering Submittal: **4-5 weeks**
- Shipping after receipt of submittal approval: **18-20 weeks**

This delivery and schedule estimate is based upon all the information known to date and is contingent upon receipt of all the following:

- Written purchase order (fax is acceptable)
- Down-payment (with the written purchase order or within 5 days, if the purchase order is faxed)
- Project initiation can be expected within 2 weeks of receipt of purchase order.
- The estimated delivery date will be updated upon acceptance of design.
- *Wastech will have no liability for loss or damage resulting from delays in shipping or non-performance caused by war, riots, strikes, labor disputes, fires, embargoes, serious accidents, delays in receipt of materials from suppliers or subcontractors, acts of God, or any other circumstances beyond our control.*

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APPLICATION GUIDELINES

The Wastech system is designed to work with a variety of industrial wastewater streams. The performance is superior to any similar design in the marketplace. Its compact design makes it convenient for a wide variety of applications. However, some limitation does apply and limits its general use:

- 1) Extreme pH values reduce performance and sensor life
- 2) Large debris may clog plumbing and damage sensors
- 3) Not suitable for heavy metal removal
- 4) Not suitable for waste streams with traces of solvents, chelating agents and/or chemical solutions which will prevent conventional pH adjustment

SCOPE

- Process, Mechanical, Electrical, and Control Design (submittal drawings)
- Materials (mechanical, electrical, control)
- Mechanical and Electrical Fabrication
- Mechanical plumbing
- Control panel wiring
- PLC/HMI (touchscreen) programming
- Testing (Factory acceptance test)
- Documentation
 - As-built drawings (P&ID, Mechanical, Electrical Schematics, Panel Layout, Terminal Block Description)
 - Component Manuals
 - Bill of Material
 - Process & Equipment Description
 - Operation & Maintenance

OUT OF SCOPE

- Installation Supervision (OPTIONAL)
- Commissioning, Start-up, and Training (OPTIONAL)
- Delivery to job site (FOB Chatsworth, CA) - Truck at curbside, customer responsible for offloading and placement of goods
- Field Installation (electrical or mechanical) and site preparation
- Any components, spare parts and/or accessories not specified
- Control Panel is UL rated. Entire system is not UL rated as this is custom equipment. UL rating on this entire system can be obtained at additional cost.
- Structural anchor bolt calcs are excluded and can be provided at additional cost
- Any fees, permits, taxes and/or licenses

DISCLOSURE

The contents of this proposal and the engineering that it represents are proprietary. In the absence of appropriate compensation, permission to disclose to third parties requires written permission.

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MAINTENANCE

Degrees of maintenance depend on system usage and care. Field sensors and instruments providing control signals to the control system should be checked and calibrated every month or more frequently if required. Analytical sensors also should be replaced when damaged or calibration is not possible.

COMMISSIONING, START-UP AND TRAINING (IN EXCESS OF ANY QUOTED STARTUP TIME)

Our system is designed and built with ease-of-use in mind and fully tested for functionality before shipment, which requires minimal start-up and training onsite. Our "Operational and Maintenance" manuals provide clear start-up and operational instructions that eliminate costly start-up and training fees. Therefore, system startup and training shall be quoted as an optional item upon request. Any additional onsite start-up, training, and field services are available on time and material basis and can be quoted accordingly.

CONDITIONS OF SALE

- Sales, permitting, or other taxes, if applicable, are not included in the quoted price and will be the responsibility of the Customer.
- Title remains with Wastech until final payment.

TERMS AND CONDITIONS

1. The proposal of Wastech constitutes Wastech's contractual offer of goods and associated services, and customer's acceptance of this offer is expressly limited to the terms of this proposal. The scope and terms and conditions of this proposal represent the entire offer by Wastech and supersede all prior solicitations, discussions, agreements, understandings and representations between the parties. Any scope or terms and conditions included in customer's acceptance/purchase order that are in addition to or different from this proposal are hereby rejected.
2. **Payment terms are as indicated above.** 1% per month interest will be assessed on overdue invoices.
3. Credit is subject to Wastech's approval in its sole discretion. This quote in no way constitutes approval of credit. We expect a Wastech credit application to be completed and submitted for our approval.
4. This quotation must be referenced in the purchase order.
5. To the extent permissible by law, neither party shall have liability in connection with this proposal and any associated purchase order in excess of the proposal price (including any mutually agreed change orders), however this liability limit shall not be less than \$250,000 USD and shall not exceed \$5,000,000 USD. Notwithstanding any other proposal or purchase order term to the contrary, neither party shall be responsible to each other, or any third party, for any indirect or consequential loss or damage, from any cause whatsoever. The limitations in this Section 5 shall not apply to any claims based on third party property damage (other than the equipment supplied), third party personal injury (including death), intellectual property infringement, breach of confidentiality obligations, gross negligence, fraud, and/or failure to comply with applicable laws.
6. Each party shall protect and indemnify the other party, its parent and their respective officers, directors, employees and agents, from and against all claims, demands and causes of action asserted by, or in favor of, any entity to the extent of the indemnifying party's negligence or willful misconduct in connection with the performance of this proposal.

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This quote is based on our understanding of your verbal specifications and the documents received. Our quotation describes in detail what we are supplying contingent upon the approval of the engineer. Wastech is not a Contractor. We are a supplier of equipment and other related services. Retention is not acceptable.

Purchaser acknowledges:

- (i) The purchase price set forth in this Quotation/Sales Order is based on the prevailing market prices at the time of this Quotation/Sales Order and is valid for 15 days from when this Quote/Sales Order was issued**
- (ii) There will be a period of time between issuing this Quotation/Sales Order and when the items are ordered for the manufacture of the goods that are the subject to this Quotation/Sales Order**
- (iii) Due to the current volatility in the cost of material goods, our cost of material goods might change**

Accordingly, Purchaser agrees that it, and not the Seller, bears the risk of any increase in the cost of material goods and Seller reserves the right to increase the purchase price set forth in this Quotation/Sales Order as a result of any increase in the cost of material goods and Purchaser shall pay any such increased purchase price in accordance with the terms of this Quotation/Sales Order as if such increased purchase price was the purchase price originally included in this Quotation/Sales Order.

SOFTWARE LICENSE

The system is supplied with custom control and HMI software that has been developed by Wastech Controls and Engineering, LLC exclusively for our systems. The licensed software is provided for the sole purpose of being used with the purchased equipment and may not be copied or utilized in conjunction with any other systems without the permission of Wastech Controls and Engineering, LLC.

WARRANTY

Wastech Controls & Engineering, LLC will warrant all equipment for a maximum of 12 months from the date of start-up or 18 months from the date of shipment, whichever comes first. This warranty will cover all defects in materials or workmanship to the mechanical systems. Normal wear and tear or normal component replacement based upon usage is not covered. Replacement parts will be supplied to the customer per Wastech Controls parts exchange and return parts policy. Labor for removing the defective part or replacing the defective part is not included in this warranty. Any liability of Wastech Controls resulting from any defect in workmanship, material or design covered by this document shall be limited to and fully discharged by replacement of such item without charge. In no event shall Wastech Controls be liable for consequential damages.

Software products will be licensed to the customer and are supplied with a limited 60-day warranty from the date of the on-site performance test conducted during startup. Wastech Controls warrants the software to substantially perform in accordance with the specification if properly installed and operated on the hardware provided. During the warranty period, Wastech Controls agrees to repair or replace at its sole option and in no event shall Wastech Controls be liable for consequential damages of any kind. Continuing support beyond the warranty period will be billed on a labor and material basis.

Excluded from this warranty are pH electrodes. Electrodes are warranted for 30 days from the startup date or 3 months from the shipping date whichever occurs first. All other consumables are also excluded.

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Wastech Controls & Engineering LLC firmly backs all system design and equipment selections as the most effective way to provide our clients reliable and long-term performance. Wastech Controls warrants that the system supplied will meet the wastewater requirements specified earlier in this document. This warranty applies only if the influent to the system does not differ from the original specification and the operator follows the Wastech provided system instructions. Wastech shall have complied with this performance warranty following the satisfactory completion of the on-site performance test conducted during startup.

Best Regards,

Justin Gauvin, E.I.

Lead Application Engineer, Wastech Controls & Engineering, LLC

20600 Nordhoff Street Chatsworth, CA 91311

P: 818.998.3500 Ext. 227 **C:** 818.620.7505

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SECTION 226600 – LABORATORY WASTE SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.
- B. Specifications throughout all Divisions of the Project Manual are directly applicable to this Section, and this Section is directly applicable to them.

1.2 SUMMARY

- A. Provide materials and installation for a complete system, within and to five feet beyond building perimeter, unless noted otherwise on Contract Drawings; pipe, fittings, supports, testing and other normal parts that make the systems operable, code compliant and acceptable to the authorities having jurisdiction.

1.3 REFERENCE STANDARDS

- A. The latest published edition of a reference shall be applicable to this Project unless identified by a specific edition date.
- B. All reference amendments adopted prior to the effective date of this Contract shall be applicable to this Project.
- C. All materials, installation and workmanship shall comply with the applicable requirements and standards addressed within the following references:
 - 1. International Plumbing Code.
 - 2. All piping and material appurtenances routed through or located in air plenum spaces shall be ASTM E-84 listed and certified (25/50 Smoke and Flame Spread compliant).

1.4 QUALITY ASSURANCE

- A. All above ground pipe and fittings of same material shall be product of one manufacturer.
- B. All buried pipe and fittings of same material shall be product of one manufacturer.
- C. All materials shall be new and undamaged.
- D. Manufacturer Qualifications: Company shall have minimum three years documented experience specializing in manufacturing the products specified in this Section.
- E. Installer Qualifications: Company shall have minimum three years documented experience specializing in performing the Work and installing the types of materials specified within this Section. Installation of drainage and vent systems shall be performed by individuals licensed by the Texas State Board of Plumbing Examiners as a Journeyman or Master Plumber. Installation may be performed by Apprentice Plumbers provided they are registered with the Texas State Board of Plumbing examiners and under direct supervision of a licensed plumber. All installation shall be supervised by a licensed Master Plumber.

1.5 SUBMITTALS

- A. Product Data:
 - 1. Provide Code and Standards compliance, manufacturer's data for pipe, fittings, couplings, gaskets and all other products included within this Specification Section.
- B. Record Documents:

1. Submit test reports and inspection certification for all systems listed herein.
2. Provide full written description of manufacturer's warranty.
3. Record actual locations and sizes of piping.
4. Manufacturer's Installation Instructions.

C. Operation and Maintenance Data:

1. Include components of system, Record Documents, inspection data, installation instructions, exploded coupling assembly views, replacement part numbers and availability, location and contact numbers of the local supply depot.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Accept products on Site in shipping containers and maintain in place until installation.
- B. Provide temporary protection for materials not packaged within containers. Maintain in place until installation.
- C. Provide temporary end caps and closures on pipe and fittings. Maintain in place until installation.
- D. Protect installed piping and associated materials during progression of the construction period to avoid clogging with dirt, and debris and to prevent damage, paint spray, etc. Remove all foreign materials and clean materials as Work progresses.
- E. Protect all materials that are to be installed within this project from exposure to rain, freezing temperatures and direct sunlight.

1.7 EXTRA MATERIALS

- A. Furnish under provisions of Section 22 00 00.

PART 2 - PRODUCTS

2.1 LARGE EQUIPMENT MANUFACTURERS

- A. WASTECH
- B. OVIVIO
- C. OR APPROVED EQUAL

2.2 SLEEVES, INSERTS, AND FASTENINGS:

- A. General: All openings through all floors, walls, and roofs, etc., regardless of material for the passage of piping shall be sleeved. All penetrations must pass through sleeves except lab waste and vent piping installed under concrete slabs on fill. Sleeves shall be set in new construction before concrete is poured, as cutting holes through any part of the concrete will not be permitted unless acceptable to the Architect/Engineer. If a penetration is cored into an existing concrete, masonry or stone structure, then the installation of a sleeve will not be necessary.
- B. The minimum clearance between horizontal penetrations and sleeve shall be 1/4", except that the minimum clearance shall accommodate a PSI LinkSeal modular seal where piping exits the building, or penetrates a wall below ground level. Contractor shall be responsible for the accurate location of penetrations in the slab for the pipe. All penetrations shall be of ample size to accommodate the pipe. Sleeve materials shall be rigid metal of adequate strength. Void between sleeve and pipe shall be filled with Nelson Flameseal Firestop or approved equal caulk or putty.
- C. Installation of sleeves in walls shall be the same as for floors. Refer to the details on the project drawings.
- D. Sleeves for penetrations passing through walls or floors on or below grade shall be removed, if practical, and after the pipes have been installed, the void space around the pipe shall be caulked with a suitable

material to effect a waterproof penetration. Note that the practicality of the removal of the sleeve shall be the decision of the Construction Inspector. The decision of the Inspector shall be final.

- E. Inserts: Suitable concrete inserts for pipe and equipment hangers shall be set and properly located for all pipe and equipment to be suspended from concrete construction. If the inserts are later found not to be in the proper location for the placement of hangers, then drilled anchors shall be installed. Drilled anchors in concrete or masonry shall be submitted for the approval by the Owner.
- F. Fasteners: Fastening of pipes, conduits, etc., in the building shall be as follows: To wood members by wood screws; to masonry by threaded metal inserts, metal expansion screws, or toggle bolts, whichever is appropriate for the particular type of masonry; to steel machine screws or welding (when specifically permitted or directed), or bolts, and to concrete by suitable inserts anchored to reinforcing steel, and poured in place unless other means are indicated on the plans. Poweractuated fasteners (shooting) will not be acceptable under any circumstances. If it is necessary to install a method of fastening a hanger after the structure has been installed, then only clamps or drilled anchors shall be used.
 - 1. Under no circumstances will the use of plastic anchors or plastic expansion shields be permitted for any purpose whatsoever.
- G. Rat Proofing: The open space around all piping, etc., passing through the ground floor and/or exterior walls shall be rat-proofed in a manner acceptable to the Architect/Engineer.
- H. Weatherproofing: The annular space between a pipe and its sleeve in exterior walls or through floor to below grade shall be filled with polyurethane foam rods 50 percent greater in diameter than the space as backing and fill material and made watertight with a permanent elastic polysulfide compound. Seal both surfaces of wall or floor.
- I. Air Plenums: The space around piping, etc., passing through air plenums shall be made airtight in a manner acceptable to the Architect/Engineer.
- J. Fireproofing: All cable pipe, penetrations through roof, fire rated walls and floors shall be sealed with a foam or sealant as described below, that will form a watertight, vermin-tight barrier that is capable of containing smoke and fire up to 2000 degrees F for two hours. Sealing of cable trays, and conduits that extend through rated walls from ends of cable tray shall be done after conductors have been installed. For wet locations, the foam material shall be a silicone RTV foam or an approved equal. For dry locations a premixed putty equal to Nelson Flameseal Firestop putty may be used.

2.3 LAB WASTE AND VENT PIPING:

- A. Aboveground Pipe and Fittings: (Main building risers and branch feeds) shall be Flame- retardant schedule 40 polypropylene (FRPP) pipe. NSF listed type 1, conforming to ASTM D4101. Fittings shall be same material and thickness as pipe with DWV pattern with heat Electrofusion socket joints. Manufactured by IPEX ENFIELD, GF FUSEAL or ORION. Mechanical joints Manufactured by IPEX, LABLINE shall be used only from fixture connection points to cup sink, lab sink, p-traps, etc. and rough-in connection points. Mechanical joints and pipe fittings shall be Flame-retardant schedule 40 Flame-retardant Polypropylene (FRPP) and shall conform to ASTM F1412. Where pipe and fittings are within return air plenums spaces, provide chemical resistant ASTM F1673 PVDF (Polyvinylidene), compliant with ASTM E84 25/50 flame smoke requirements, UL 723 and UL 910. Fittings shall be same material and thickness as pipe with DWV pattern, with heat Electrofusion socket joints. Manufactured by IPEX PLENUMLINE, GF FUSEAL or ORION.
- B. Below Ground Pipe and Fittings: **Shall be double contained** non-flame retardant polypropylene pipe and fittings in accordance with ASTM D638, D792, D1785, and D4101. Pipe and fittings shall be schedule 40 wall thickness with DWV pattern fittings with socket ends and Electrofusion joints, using the piping system manufacturer's standard fusion power unit and fusion coils. Manufactured by GF FUSEAL, IPEX ENFIELD, or ORION.
- C. The joining of the cup sink tailpieces, p-traps and other sink outlets and strainers to the lab waste piping system shall be the responsibility of the Mechanical and / or Plumbing Contractor. Sink tailpieces and p-traps shall be constructed of flame-retardant polypropylene (FRPP) with mechanical joints and manufactured as noted above.

2.4 SOLVENT & ACID TANK WASTE AND VENT PIPING

- A. Aboveground Pipe and Fittings: (Main building risers and branch feeds) shall be schedule 40 BPE Certified 304/304L stainless steel pipe. NSF listed type 1, conforming to ASTM A249, A269, & A270. Fittings shall be same material and thickness as pipe with DWV patterns with either ANSI flanges or field welded. Manufactured by Garret Industrial, Swagelock or approved equal. Mechanical joints Manufactured by Garret Industrial, Swagelock or approved equal shall be used only from fixture connection points to cup sink, lab sink, p-traps, etc. and rough-in connection points. Mechanical joints and pipe fittings shall be schedule 40 304L Stainless Steel and shall conform to ASTM A249, A269, & A270..
- B. Below Ground Pipe and Fittings: shall be Double contained schedule 40 304L stainless steel pipe. NSF listed type 1, conforming to ASTM A249, A269, & A270. Fittings shall be same material and thickness as pipe with DWV patterns with either ANSI flanges or Groove connectors. Manufactured by Garret Industrial, Swagelock or approved equal. Mechanical joints Manufactured by Garret Industrial, Swagelock or approved equal shall be used only from fixture connection points to cup sink, lab sink, p-traps, etc. and rough-in connection points. Mechanical joints and pipe fittings shall be schedule 40 304L Stainless Steel and shall conform to ASTM A249, A269, & A270.
- C. The joining of the cup sink tailpieces, p-traps and other sink outlets and strainers to the lab waste piping system shall be the responsibility of the Mechanical and / or Plumbing Contractor. Sink tailpieces and p-traps shall be constructed of flame-retardant polypropylene (FRPP) with mechanical joints and manufactured as noted above.

2.5 CONTINUOUS PH NEUTRALIZATION SYSTEM WITH AUTO SHUTOFF AND RECIRCULATION LOOP

- A. SIMILAR TO WASTECH "ProDELTA" PLUS # PDP-300-2-DC-G-B-M-AM-4-4-N4-LR-DL-FL
- B. Equalization Tank – Major Equipment
 - 1. One Epoxy Coated Steel Skid
 - 2. One Fabricated Double-Contained 3000 gallon polypropylene equalization Tank w/ the following
 - a. Two Horizontal Transfer pumps, 304 Stainless Steel, Each rated for 300 GPM @ 30' TDH
 - b. One Level Transmitter for pump Control.
 - c. One High-high level switch installed in the first reaction tank
 - d. Estimated Tank dimensions to be 110" x 100" x 118" H
 - 3. Pipe and fittings to be constructed of SCH 80 Stainless Steel.
 - 4. Controls by Ph System Control Panel.
- C. Neutralization System – Major Equipment
 - 1. One (1) Epoxy coated steel skid
 - 2. Two (2) Fabricated double-contained polypropylene reaction tanks each with the following:
 - a. One (1) Top mounted mixer with stainless steel shaft and impeller
 - b. One (1) Top mounted pH probe and preamplifier
 - c. One (1) High-high level switch installed in the first reaction tank
 - 3. One (1) Fabricated double-contained polypropylene monitoring tank including:
 - a. One (1) Top mounted pH probe and preamplifier
 - 4. Includes ladder and handrails
 - 5. One (1) Sodium hydroxide injection system including:
 - a. Two (2) Metering pumps for 25-50% sodium hydroxide
 - b. Two (2) Injection and foot valves
 - c. Two (2) Level switches for low caustic alarm
 - 6. • One (1) Sulfuric acid injection system including:
 - a. Two (2) Metering pumps for 50% sulfuric acid
 - b. Two (2) Injection and foot valves
 - c. Two (2) Level switches for low acid alarm
 - 7. One (1) Discharge flowmeter, magnetic-type
 - 8. One (1) System leak detection switch
 - 9. Estimated dimensions of 140" x 320" x 155" H
 - 10. Pipe and fittings to be constructed of SCH 80 CPVC

D. Neutralization System UL Rated PLC-Based Control Panel -Major Equipment.

1. One Nema Type 4 Powder-coated carbon Steel enclosure
2. One Process On/Off switch
3. One Programmable Logic Controller, Allen Bradley CompactLogix with BACnet Ip Communication.
4. One Maple HMI Color touchscreen with built-in data logger
 - a. Trending Data:
 - 1) Continuous PH Measurement for process tanks
 - 2) Discharge PH measurement for Monitoring Tank
 - 3) Continuous and totalized discharge flow rate.
5. Three PH transmitters
6. One common Alarm silence button
7. PVC Conduit
8. Interlock/Dry Contacts
 - a. (1) Normally Closed (NCC), PH Out of Range Alarm Dry Contact
 - b. (1) Normally Closed (NC), Common Alarm Dry Contact
 - c. (1) Normally Closed (NC), Influent Permissive
 - d. (1) General Fault Dry contact
 - e. (2) Motor failure Alarms

2.6 FLUORIDE REMOVAL SYSTEM

A. Similar to WASTECH Model # FRS-NA-150-1-3FP-M-AM-4-N4-DC-DL-FL

B. Fluoride removal system – MAJOR EQUIPMENT

1. One Fabricated Polypropylene Skid, includes containment berm
2. One 150 gallon reaction tank, Polyethylene, single-contained, cone bottom, with the following:
 - a. One top mounted mixer with stainless steel shaft and impeller, Teflon coated
 - b. One Multi-point level switch assembly, float-type
 - c. One Air Operated diaphragm pump for transfer/recirculation, polypropylene construction, includes stroke monitoring.
 - d. One PH probe, Installed in the recirculation line.
 - e. Two Pneumatically actuated diaphragm valves for tank recirculation/transfer line, CPVC
 - f. One Pneumatically actuated diaphragm valve for decant line, CPVC
 - g. One Pneumatically actuated diaphragm valve for influent line, CPVC
3. One 3' filter press with extension legs and drum chute, shipped loose
4. One Pump lift station for filtrate to final disposal with the following:
 - a. One 32 gallon fabricated polypropylene discharge pump lift station, single contained, with the following:
 - b. One vertical centrifugal pump rated for 30 GPM @ 30' TDH, CPVC Construction
 - c. One Top mounted level transmitter
 - d. One Redundant high-high level switch
 - e. ON PH Probe and Preamplifier
 - f. One discharge bag Filter housing
 - g. One discharge flowmeter, magnetic type
5. One pump for 25-30% Calcium hydroxide
6. One Low level switch for installation in customer supplied calcium hydroxide drum
7. One pump for 25-35% Calcium chloride
8. One Low level switch for installation in customer supplied calcium chloride drum
9. One Neat Polymer Injection System
10. Chemical dosing pumps installed on polypropylene pump skid located on the skid
11. Estimated system dimensions to be 82" x 65" x 85" H
12. One System leak detection switch
13. Piping and fittings constructed of SCH 80 CPVC

C. Fluoride Removal system UL rated PLC based control panel – major equipment

1. One (1) NEMA/UL Type 4 powder-coated carbon steel enclosure
2. One (1) Process On/Off switch
3. One (1) Programmable Logic Controller, Allen Bradley CompactLogix with BACnet Communication

4. One (1) Maple Systems HMI, color touchscreen with built-in data logger
5. Trending Includes the following:
6. Continuous pH measurement for reaction tank
7. Continuous Fluoride measurement for reaction tank
8. Continuous and totalized discharge flowrate
9. One (1) Variable frequency drive for reaction tank mixer, Allen Bradley
10. One (1) pH transmitter
11. One (1) Fluoride Analyzer
12. One (1) Common Alarm Stack Light
13. One (1) Audible alarm buzzer
14. One (1) Alarm silence button
15. PVC Conduit
16. BAS POINTS/INTERLOCK
 - a. Pump failure alarm
 - b. General Fault Alarm
 - c. Discharge PH alarm
 - d.

2.7 SOLVENT HOLDING TANK:

1. Similar to WASTECH DSPLS-220-010-TC-DC

A. SOLVENT HOLDING TANK – MAJOR EQUIPMENT

1. One (1) Fabricated single-contained 5000 gallon 304SS holding tank, atmospheric, mill finish, with the following:
 - a. One (1) level transmitter with display for pump control
 - b. One (1) High-high level switch installed in the first reaction tank
 - c. One (1) Tanker truck connection w/ball valve
 - d. Estimated tank dimensions to be 126" x 96" x 126" H
2. Pipe and fittings to be constructed of 304SS

B. SOLVENT HOLDING TANK UL RATED RELAY-BASED CONTROL PANEL – MAJOR EQUIPMENT

1. One (1) NEMA/UL Type 4 powder-coated carbon steel enclosure
2. One (1) Process On/Off switch
3. Two (2) Pump HOA switches
4. One (1) Common Alarm Stack Light
5. One (1) Audible alarm buzzer
6. One (1) Alarm silence button
7. PVC Conduit
8. Shipped loose, designed to be installed in a non-classified area.

2.8 HANGERS:

- A. Entire system shall be installed free of stress. Horizontal lines shall allow for lateral movement of pipe and shall be supported by a hanger spaced as indicated in specification section 22 05 29 and as a minimum per the manufacturer recommendations. Vertical lines shall be supported by a riser clamp under the bottom most coupling in the stack. This riser clamp shall restrict sideward as well as downward movement. Three inch and larger diameter stacks shall be supported at each floor by a riser clamp on the pipe O.D., smaller diameter stacks shall be supported at every other floor. All riser clamps shall be padded with 1/4" thick solid neoprene or Buda-N rubber. Refer to pipe manufacturer's recommendations and guidelines for hanger spacing.

2.9 WALL, FLOOR AND CEILING PLATES:

- A. Except as otherwise noted, provide chrome plated brass floor and ceiling plates around all pipes passing exposed through walls, floors, or ceilings, in any spaces except underfloor and attic spaces. Plates shall be sized to fit snugly against the outside of the pipe or against the insulation on lines which are insulated and

positively secured to such pipe or insulation. Plates will not be required for piping where pipe sleeves extend 3/4" above finished floor. All equipment rooms are classified as finished areas.

2.10 TESTING:

- A. Test lab waste piping system as specified for sanitary waste and vent piping.
- B. Upon completion of the installation, but prior to turn-over of the system to the owner, proof must be provided that there are no cross-connections between the lab waste system and the storm drain system. Proof is provided by performing dye testing of all lab waste fixtures, in accordance with the UT EHS and Utilities Departments' sanitary waste dye testing procedure, located in the Supplemental Documents section of the UT PMCS Specifications web site.

2.11 PH NEUTRALIZATION SYSTEMS

Any PH system which treats discharge into the locally governed sanitary sewer system shall be approved by the UT Environmental Health and Safety (EHS) Department in accordance with the Pretreatment Device Compliance Procedure, located in the Supplemental Documents section of the UT PMCS Specifications web site.

The System shall be installed to all manufacturers' recommendations and shall meet with UT EHS requirements.

PART 3 -EXECUTION

3.1 EXAMINATION

- A. Verify excavations under provisions of Section 22 00 00.
- B. Verify that excavations are to required grade, dry, and not overexcavated.

3.2 INSTALLATION

- A. All the various piping systems shall be made up straight and true and run at proper grades to permit proper flow of the contained material. Lines shall also be graded for proper drainage.
- B. Piping shall follow as closely as possible the routes shown on Drawings which take into consideration conditions to be met at the site.
- C. Should any unforeseen conditions arise, lines shall be changed or rerouted as required after proper approval has been obtained.
- D. All piping shall be installed with due regard to expansion and contraction and so as to prevent excessive strain and stress in the piping, in connections, and in equipment to which the lines are connected.
- E. All piping shall be clean when it is installed. Before installation it shall be checked, upended, swabbed, if necessary, and all dirt from storage or from lying on the ground shall be removed.
- F. Procedure for Assembling Other Joints: For the assembly of the materials included in this section, consult the manufacturers for the recommended procedures.
- G. Install piping, fittings and accessories in strict accordance with the manufacturer's written installation instructions and applicable codes.
- H. Pipe Slope: Slope waste and vent piping as specified for Sanitary Waste and Vent Piping System.
- I. Damaged Piping: Remove damaged piping, including scratched or cracked piping, and replace at the Contractor's expense.

- J. Waterstops: Pipe passing through building walls or slabs shall pass through a pipe sleeve a minimum of 2 inches larger than the pipe OD. The annular space between the pipe and sleeve shall be sealed using segmented annular seals as specified in Section 22 05 00, Common Work Results for Plumbing.
- K. Vertical stacks shall be supported at each floor using riser clamps. The lowest riser support shall be located below the lowest coupling/hub on the stack and shall restrict sideways as well as downward motion.
- L. Provide cleanouts within the waste systems locations with clearances as required by the International Plumbing Code and at the base of each stack and at intervals not exceeding 75 feet in horizontal runs.

3.3 FIELD QUALITY CONTROL

- A. Inspect interior of sewerage piping to determine whether line displacement or other damage has occurred. Inspect after approximately 24 inches of backfill is in place and again at completion of Project.
 - 1. Defects requiring correction include the following:
 - a. Alignment: Less than full diameter of inside of pipe is visible between inspection points.
 - b. Deflection: Flexible piping with deflection that prevents passage of ball or cylinder of size not less than 92.5 percent of piping diameter.
 - c. Crushed, broken, cracked, or otherwise damaged piping.
 - d. Hydrostatic Tests for Drainage Piping:
 - 1) Allowable leakage is a maximum of 50 gal./inch of nominal pipe size per mile of pipe, during 24-hour period.
 - 2) Close openings in system and fill with water.
 - 3) Purge air and refill with water.
 - 4) Disconnect water supply.
 - 5) Test and inspect joints for leaks.
 - e. Air Tests for Drainage Piping: Comply with UNI-B-6.
 - 2. Leaks and loss in test pressure constitute defects that must be repaired.
 - 3. Submit separate reports for each test.
- B. Replace leaking sewerage piping using new materials and repeat testing until leakage is within allowances specified.
- C. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.
- D. Perform tests and inspections:
 - 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.
- E. Chemical-waste piping will be considered defective if it does not pass tests and inspections.
- F. Prepare test and inspection reports.

3.4 CLEANING

- G. Use procedures prescribed by authorities having jurisdiction or, if not prescribed, use procedures described below:
 - 1. Purge new piping and parts of existing piping that have been altered, extended, or repaired before using.
 - 2. Clean piping by flushing with potable water.

3.5 TRAINING

- A. Manufacturer to be present at time of startup and will train building ownership team on piece of equipment.

END OF SECTION

Temporary Stormwater Section (TCEQ-0602)

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: The University of Texas at Austin / Irezama Anderson

Date: 11/10/2024

Signature of Customer/Agent:



Regulated Entity Name: The University of Texas at Austin, JJ Pickle Research Campus Austin

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

☒ The following fuels and/or hazardous substances will be stored on the site: Gasoline and diesel fuel.

These fuels and/or hazardous substances will be stored in:

- ☐ Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- ☒ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- ☐ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- ☐ Fuels and hazardous substances will not be stored on the site.
- 2. ☒ **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. ☐ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. ☒ **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. ☒ **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - ☒ For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - ☒ For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. ☒ Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Roger Spring

Temporary Best Management Practices (TBMPs)

Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.

- 7. ☒ **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- ☐ A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
 - ☐ A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - ☒ A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - ☐ A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. ☐ The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- ☐ **Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
- ☒ There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. ☒ **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. ☒ **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - ☐ For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - ☐ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- ☒ There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. ☐ **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- ☒ N/A
12. ☒ **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. ☒ All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. ☒ If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. ☐ Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. ☒ Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.

17. ☒ **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached.

- 18. ☒ Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
- 19. ☒ Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

- 20. ☒ All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
- 21. ☒ If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
- 22. ☒ Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

Attachment A

Spill Response Actions

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

The University of Texas (UT) at Austin has a Spill Prevention, Control, and Countermeasure (SPCC) plan for the JJ Pickle Research Campus. Procedures are in place to respond to spills immediately during business hours and the university has an on-call system in place providing response coverage 24 hours a day. In the event of a spill at the aboveground storage tank farm, facility personnel will respond immediately to evaluate the situation and will notify Environmental, Health, and Safety (EHS) personnel, UT Police, and/or Austin Fire Department, as needed. EHS will coordinate response efforts utilizing internal and contracted cleanup.

The measures to be taken to contain spills of hydrocarbons or hazardous substances are as follows:

- If it is safe to do so, identify the source and stop the leak or spill. Call 911 for help, if necessary.
- Eliminate ignition sources, including engines.
- Establish containment around the spill or ensure that established containment is secure (i.e., place booms, dirt or sorbent, or any other activity that is safe and will keep the release material from spreading).
- If the volume released exceeded the reportable quantity in accordance with 40 Code of Federal Regulations (CFR) 302.4, call the National Response Center (800.424.8802) and the Texas Commission on Environmental Quality Environmental Release Hotline (24-Hour) (800.832.8224).
- Supervise containment, repairs, and remediation activities.
- Ensure that all wastes are properly collected and disposed.
- Conduct sampling, if necessary, to document the removal of all spilled materials.
- Document the event and remediation in the Storm Water Pollution Prevention Plan (SWP3).

Attachment B

Potential Sources of Contamination

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Construction activities at the site will produce pollutants that could cause stormwater contamination. Construction activities will involve demolition of concrete, asphalt, water and wastewater pipelines, and other building materials. Grading activities will be minor, but could produce the potential for stormwater contamination. In addition, construction activities will require the use of standard building construction materials such as hot mix asphalt, concrete, etc. that may have the potential to adversely impact stormwater runoff from the construction site. Activities that have a limited potential to contaminate stormwater would include:

- Storage, staging, and lay-down of equipment;
- Concrete washout activities (including washing the concrete mixing area of the trucks);
- Areas used to perform maintenance on construction equipment;
- Fuel, lubricant, and antifreeze leaks and spills from construction equipment or dump trucks;
- Oil/condensate leaks to the surrounding environment due to construction accidents; and
- Trash and debris blowing from dumpsters.

There will also be some soil excavation and vegetation clearing for pipeline installation. Best Management Practices addressing these contaminant sources are discussed in **Attachment D**.

In addition, the contractor will be responsible for preparing and implementing the Storm Water Pollution Prevention Plan (SWP3) which describes all measures that will be taken to address environmental requirements, including erosion/sediment controls, equipment maintenance, fueling practices, handling of materials and waste, employee training, etc. Contractor responsibilities will also be clearly specified in the general construction contract.

Attachment C

Sequence of Major Activities

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Major construction activities will take place in the third and fourth phases of construction. The sequence of major construction activities consists of the following:

Phase 3 (GMP 3):

- Demolition of the loading dock and asphalt paving for approximately 0.28 acre (12,000 square feet [sqft]) at the southwest side of the Microelectronics & Engineering Research Center (MER) building.
- Excavation of the outdoor trench area for piers and building pads down to existing rock grade, approximately 6 feet below the asphalt parking lot, for the new Acid Waste Building. Each building will have below grade utilities for water, wastewater, fire water, and electrical power fed from below grade.
- Installation of four ejector stations, measuring 5 feet in diameter and 15 feet deep. These will transfer chemicals through below grade piping to above grade holding tanks.
- Construction of a Mechanical Electrical Plumbing (MEP) Support Building and a Chemical Waste Tank Building.
- Addition of a power supply to a nitrogen (N₂) generator at the north side of MER building

Phase 4 (GMP 4):

- Demolition of portions of the on-site road to make way for construction of the new buildings and utility installations which will disturb less than 0.20 acre.
- Excavation for the new Central Utilities Building (CUB) and the new detention pond.
- Construction of a Chemical/Gas Storage Building to support the cleanroom spaces.
- Connection of the chemical waste piping for the North-MER cleanrooms to the new Chemical Waste Tank System located at the south side of the MER building.

Overall soil disturbance: the new Acid Waste Building will disturb 0.23 acre of soil, the new CUB will disturb 0.60 acre of soil, the new trenched utility piping will disturb 0.14 acre, and the new detention pond will disturb 0.20 acre of soil.

Silt fence will be installed around the limits of construction. Two rock berms will be installed in the drainage ditch to catch sediment, and vegetative filter strips will be used to filter stormwater. Any stormwater discharge which leaves the site will flow through the remainder of JJ Pickle Research Campus into the new stormwater detention pond at southwest corner of the campus before leaving the campus and ultimately entering into Roger Spring.

All erosion and sediment controls will be placed prior to any soil disturbance and will be adjusted or modified as construction proceeds to ensure that they operate as required. Existing vegetation will be preserved wherever possible.

Attachment D

Temporary Best Management Practices and Measures

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

The Microelectronics & Engineering Research Center (MER) is used for microelectronics research. The proposed project would convert office and storage space in the southern portion of the building into cleanrooms and workspaces for research. Additionally, outdoor construction will consist of building infrastructure adjacent to the existing structure to support the increased demand for utilities, and will consolidate the building's cleanroom waste into a single pH neutralization system and hazardous waste collection system. The site's existing drainage consists of paved areas that drain to a detention pond located southwest of the parking lot that discharges to the City of Austin Municipal Separate Storm Sewer System (MS4).

All areas with potential for stormwater discharge will be subject to temporary control measures in order to prevent the discharge of pollutants into the City of Austin MS4, Roger Spring, or the Edwards Aquifer. Temporary best management practices (BMPs), such as silt fences, rock berms, stabilized construction entrances/exits, concrete washout area, tree protection, vegetative filter strips, and triangular filter dikes, will be used on the project site during construction and after construction, as appropriate, until permanent vegetation is re-established.

Because the project site drains southwest, silt fence will be installed inside the west and south edges of the limits of construction. Vegetative filter strips will be installed along the west side of the property, and rock berms will be installed along the northwest drainage path. The rock berm will serve a dual purpose of trapping sediment as the runoff pools and reducing runoff velocity.

Dust control BMPs will be used to minimize the production of dust, including irrigation trucks and mulching, as necessary. Any runoff produced from dust suppression will be directed through erosion and sediment control BMPs. Tracking will be minimized onto adjacent roadways by ensuring construction activities and movement stay within the limits of construction, to the extent practicable; installing stabilized construction entrances/exits, where feasible; and sweeping, as needed. Fifty-foot-long stabilized construction entrances/exits will be established at the northwest and southeast entrances to the property. The contractor will ensure all construction traffic uses these stabilized entrances at all times for all ingress and egress.

A designated concrete washout area will be established at least 50 feet from any open ditches. A bermed and lined area will be maintained to retain concrete liquid and solid waste. Once concrete is set, it will be broken up and disposed of properly. A triangular filter dike will be installed along the west and south sides of the temporary staging area located at the south side of the existing building in the paved parking lot.

All erosion and sediment control BMPs will be installed prior to any soil disturbance. Except where clearing is required for excavation operations, all trees and vegetation will be preserved and protected from damage by the contractor's construction operations and equipment. The amount of disturbed soil will be minimized to the extent possible. Temporary vegetation will be established following excavation and grading in all areas that will remain untouched for more than 14 days. Permanent vegetation will be installed in areas not covered within 14 days of final grading. Any stripped topsoil will be replaced, the site will be seeded, and erosion control matting will be placed, as necessary. All staging and spoils storage will be contained within the limits of construction. Excess spoils that will not be used for site reclamation will be removed from the construction site. The perimeter and storm drain sediment controls and tree

Attachment D
Temporary Best Management Practices and Measures

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

protection will remain throughout construction until permanent re-vegetation is established. Stockpiles will need to be temporarily stabilized if kept onsite longer than 14 days.

In addition, the contractor will be responsible for preparing and implementing the Storm Water Pollution Prevention Plan (SWP3) which describes all measures that will be taken to address environmental requirements, including erosion/sediment controls, equipment maintenance, fueling practices, handling of materials and waste, employee training, etc. Contractor responsibilities will also be clearly specified in the general construction contract.

Attachment E
Request to Temporarily Seal a Feature

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

There are no naturally occurring sensitive features located on the project site. Therefore, there will be no temporary sealing of naturally occurring sensitive features on the project site.

Attachment F

Structural Practices

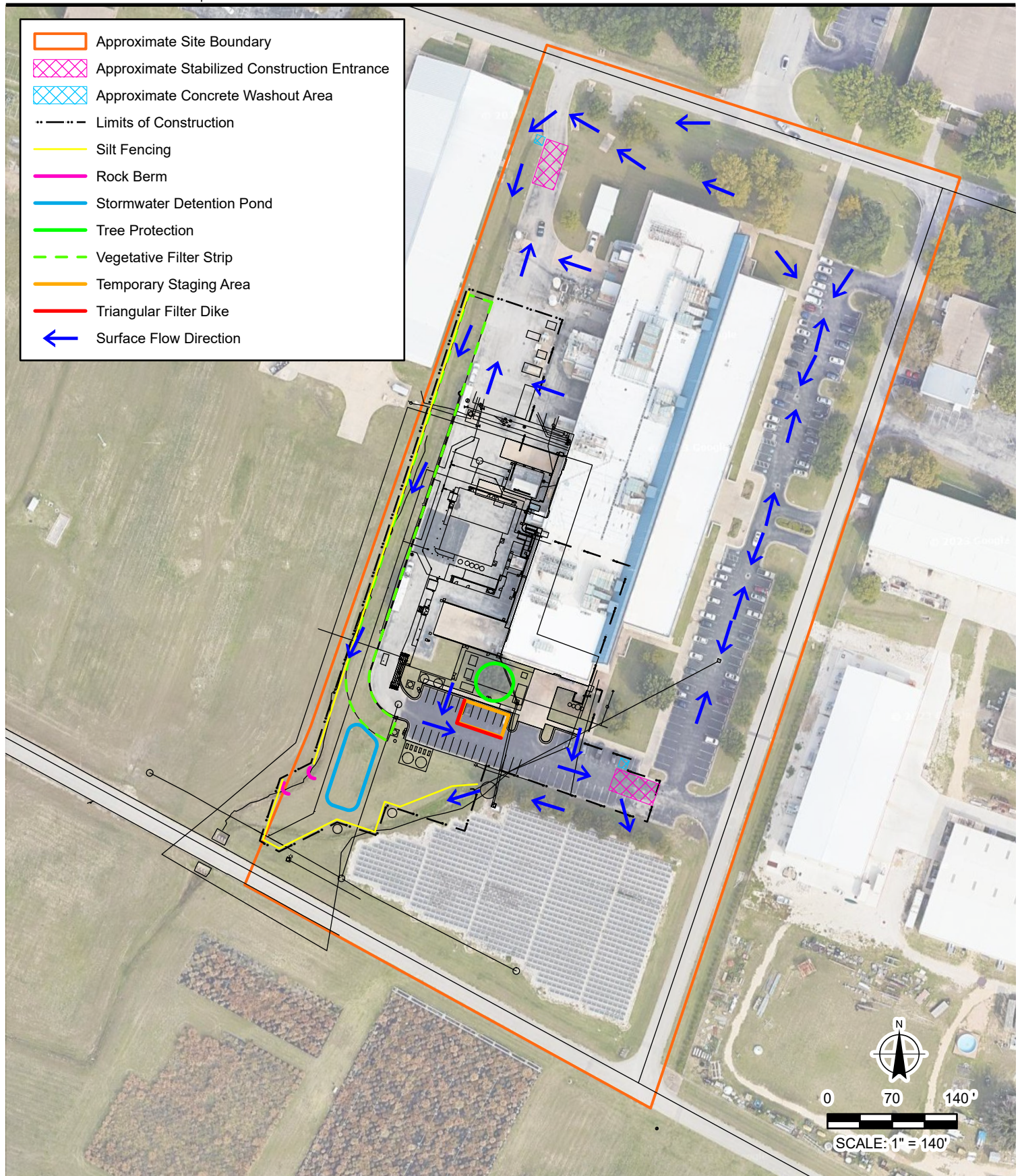
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

The structural practices described in **Attachment D** will limit runoff discharge of pollutants including silt fences, rock berms, stabilized construction entrances/exits, concrete washout area, tree protection, vegetative filter strips, and triangular filter dikes. For additional details, see **Attachment D**. These structural practices will be in place during and after construction, as appropriate, until permanent vegetation is re-established. The site is not located within a floodplain.

Attachment G
Drainage Area Map

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. All stormwater flows originating within the project limits of construction will be treated with the temporary best management practices (BMPs) described in **Attachment D**. Furthermore, any offsite flows that run on to the limits of construction will also be treated with the same BMPs before they are discharged.



Attachment H
Temporary Sediment Ponds Plans and Calculations
The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

No temporary sediment ponds are planned for the construction of the proposed project.

Attachment I

Inspection and Maintenance for BMPs

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Temporary best management practices (BMPs) will be inspected and maintained throughout construction to provide the highest protection to surface waters. The University of Texas at Austin and Flintco Construction personnel will conduct weekly inspections. Monthly inspections will be conducted by the certified BMP installer. The contractor will be responsible for recordkeeping and ensuring that a qualified individual conducts the inspections, as required. Inspection documentation will be kept onsite.

If a repair is necessary, it will be done at the earliest date possible, but no later than seven calendar days after the surrounding exposed ground has dried sufficiently to prevent further damage from heavy equipment. The areas adjacent to drainageways will have priority.

Silt Fence

1. Silt fencing will be installed according to the Erosion Control Plan, and will be inspected weekly, and after rain events.
2. Sediment will be removed when accumulation reaches 6 inches.
3. Torn fabric will be replaced or a second line of fencing will be installed parallel to the torn section.
4. Sections crushed or collapsed in the course of construction activity will be repaired or replaced. If a section of fence is obstructing vehicular access, it will be relocated to an area where it will provide equal protection without obstructing vehicles. A triangular filter dike may be preferable to a silt fence at common vehicle access points.
5. When construction is complete, sediment will be disposed of in a manner that will not cause additional siltation, the location of the removed silt fence will be revegetated, and the fence material will be disposed of in an approved landfill.

Tree Protection Fences

1. The tree protection fences will be inspected periodically, and insufficiencies will be repaired.
2. The tree protection measures will be installed in accordance with the City of Austin standard tree protection details and the approved Tree Protection Plans by the landscape architect.

Temporary Vegetation

1. Temporary vegetation will be inspected weekly and after each rain event to locate and repair any erosion.
2. Erosion from storms or other damage will be repaired as soon as practical by regrading the area and applying new revegetation mulch.
3. If the vegetated cover is less than 80 percent, revegetation mulch will be reapplied to the area.

Attachment I

Inspection and Maintenance for BMPs

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Rock Berms

1. Inspection will be made weekly and after each rainfall. For installations in drainage ditch, additional daily inspections should be made.
2. Sediment and other debris will be removed when buildup reaches 6 inches and the accumulated silt will be disposed of in an approved manner that will not cause additional siltation.
3. Loose wire sheathing will be repaired.
4. The rock beam will be reshaped, as needed, during inspection.
5. The rock beam will be replaced when the structure ceases to function as intended due to silt accumulation among the rocks, washout, construction traffic damage, etc.
6. The rock beam will be left in place until all upstream areas are stabilized and accumulated silt removed.

Temporary Construction Entrance/Exit

1. The temporary construction entrance will be maintained in a condition that will prevent tracking or flow of sediment onto adjacent roadways. Maintenance activities may require periodic top dressing with additional stone as conditions demand, and repair and/or cleanout of BMPs used to trap sediment.
2. All sediment spilled, dropped, washed, or tracked onto adjacent roadways will be removed immediately.
3. When necessary, wheels will be cleaned to remove sediment prior to entrance onto adjacent roadways.
4. When required, vehicle washing will be conducted on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin.
5. All sediment will be prevented from entering storm drains, ditches, or water courses by using approved methods.

Triangular Filter Dikes

1. Inspections will be made weekly and repair or replacement will be conducted promptly, as needed.
2. Accumulated silt will be removed when it reaches a depth of 6 inches and disposed of in a manner that will not cause additional siltation.

Attachment I

Inspection and Maintenance for BMPs

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Concrete Washout Areas

1. The excavation for the concrete truck washout shall be a minimum of 10 feet wide and of sufficient length and depth to accommodate 7 gallons of washout water and concrete per truck per day and/or 50 gallons of washout water and concrete per pump truck per day.
2. In the event that the concrete truck washout is constructed above ground, it shall be 10 feet wide and 10 feet long with the same requirements for containment as described in previous bullet.
3. The containment area shall be lined with 10 mil plastic sheeting without holes or tears, where there are seams these shall be secured according to manufacturers' directions.
4. The berm consisting of gravel bags, concrete blocks, or open graded rock shall be no less than 18 inches high and no less than 12 inches wide.
5. The plastic sheeting shall be of sufficient size so that it will overlap the top of the containment area and be wrapped around the gravel bags, concrete blocks, or open graded rock at least two times.
6. The gravel bags or concrete blocks shall be placed abutting each other to form a continuous berm around the outer perimeter of the containment area.
7. The washout material in the containment area shall not exceed 50 percent of capacity at any one time.
8. Solids shall be removed from containment area and disposed of properly. Any damage to the plastic sheeting shall be prepared or sheeting replaced before the next concrete washout or rain event.

Attachment J

Schedule of Interim and Permanent Soil Stabilization Practices

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

Erosion and sediment controls specified in **Attachment D** and the site Stormwater Pollution Prevention Plan (SWP3) will be installed one week before soil disturbance commences. The following conservation measures will be implemented during the project construction phases to avoid and minimize effects to water quality:

- All temporary best management practices (BMPs) will be in place prior to cutting, filling, or any other ground disturbing activity.
- Contractors must adhere to the plans and specifications.
- Contractors must adhere to the project SWP3 regarding equipment maintenance, materials storage, spill containment and response, waste containment and disposal.
- All erosion and sediment BMPs will be monitored weekly and after significant rain events and repaired to restore function of BMPs immediately in accordance with the SWP3.
- The new water quality features for the proposed project will be designed so that the detention pond southwest of the site will act as a hazardous material trap (HMT) in the case of a spill.
- The clearing of vegetation and topsoil will be limited to only the areas needed to accomplish project activities.
- Ground disturbing activities from heavy machinery will be limited in areas with steep (greater than 33 percent) slopes.
- Use of machinery will be avoided in wet and/or inundated areas to prevent rutting and sediment transport.
- Soil stabilization BMPs will be installed as soon as practicable after any ground disturbing activity has temporarily or permanently ceased.
- Any voids encountered would be inspected for their potential to be a sensitive recharge feature. The contractor will immediately notify UT EHS who will then notify the TCEQ, if the feature is sensitive, and construction activities within 50 feet of the void must stop until the void has been evaluated and mitigated as appropriate after assessment.

Attachment J

Schedule of Interim and Permanent Soil Stabilization Practices

The University of Texas at Austin, JJ Pickle Research Campus Austin
10100 Harry Ransom Trail
Austin, Texas

The following conservation measures will be implemented post-construction:

- All disturbed areas will be re-vegetated to the extent practicable, in compliance with Executive Order 13112 on Invasive Species and the Executive Memorandum on Beneficial Landscaping.
- Routine inspection, maintenance, repair, and retrofit of any permanent BMPs, including a stormwater detention pond and vegetative filter strips, will be completed.

The sequence of activities for excavation and grading is provided in **Attachment C**.

Records will be kept on site of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated. Additionally, stabilization practices will be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Agent Authorization Form (TCEQ-0599)

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I Irezama Anderson,
Print Name

Associate Director for Environmental Operations,
Title - Owner/President/Other

of The University of Texas at Austin, The University of Texas JJ Pickle Research Campus Austin,
Corporation/Partnership/Entity Name

have authorized Braun Intertec Corporation
Print Name of Agent/Engineer

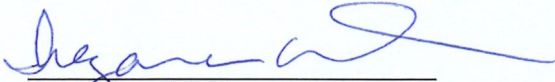
of Braun Intertec Corporation
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

SIGNATURE PAGE:


Applicant's Signature

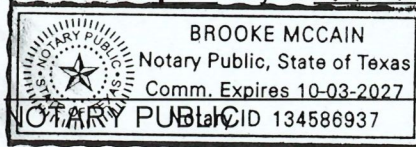
1/10/2024
Date

THE STATE OF Texas §

County of Travis §

BEFORE ME, the undersigned authority, on this day personally appeared Ivezama Anderson known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

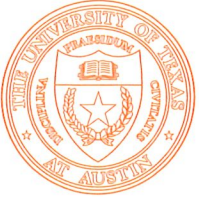
GIVEN under my hand and seal of office on this 10 day of January, 2024.



Brooke McCain
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10/3/2027

Signature Authority Memorandum



ENVIRONMENTAL HEALTH AND SAFETY

THE UNIVERSITY OF TEXAS AT AUSTIN

*P.O. Box 7729 • Austin, Texas 78713-7729
512-471-3511 • FAX 512-471-6918*

January 9, 2024

Memorandum for Texas Commission on Environmental Quality
Edwards Aquifer Protection Program

Subject: Edwards Aquifer Protection Plan Signature Authority

TCEQ Edwards Aquifer Protection Program,

The Associate Director for Environmental Programs, Irezama Anderson, has been delegated signature authority on my behalf for all Edwards Aquifer Protection Plans associated with the University of Texas at Austin.

If further information or clarification is needed, please contact me at your convenience.

Sincerely,

A handwritten signature in dark ink, appearing to read "Brent Stringfellow", written over a horizontal line.

Brent Stringfellow
Associate Vice President for Campus Operations

Application Fee Form (TCEQ-0574)

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: The University of Texas at Austin, JJ Pickle Research Campus Austin

Regulated Entity Location: 10100 Harry Ransom Trail, Austin, Texas 78758-4445

Name of Customer: The University of Texas at Austin

Contact Person: Irezama Anderson

Phone: 512.471.3511

Customer Reference Number (if issued): CN 601097413

Regulated Entity Reference Number (if issued): RN 102316197

Austin Regional Office (3373)

☐ Hays

☒ Travis

☐ Williamson

San Antonio Regional Office (3362)

☐ Bexar

☐ Medina

☐ Uvalde

☐ Comal

☐ Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

☒ Austin Regional Office

☐ San Antonio Regional Office

☐ Mailed to: TCEQ - Cashier

☐ Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

☐ Recharge Zone

☐ Contributing Zone

☒ Transition Zone

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	5 Tanks	\$ 3,250
Piping System(s)(only)	Each	\$
Exception	Each	\$
Extension of Time	Each	\$

Signature: 

Date: 1/10/2024

Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

Water Pollution Abatement Plans and Modifications

Contributing Zone Plans and Modifications

<i>Project</i>	<i>Project Area in Acres</i>	<i>Fee</i>
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

<i>Project</i>	<i>Cost per Linear Foot</i>	<i>Minimum Fee- Maximum Fee</i>
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

<i>Project</i>	<i>Cost per Tank or Piping System</i>	<i>Minimum Fee- Maximum Fee</i>
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

Extension of Time Requests

<i>Project</i>	<i>Fee</i>
-----------------------	-------------------

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150

Core Data Form (TCEQ-10400)



TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

A.1. SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)
CN 601097413		RN 102316197

[Follow this link to search for CN or RN numbers in Central Registry**](#)

A.2. SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership			
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
The University of Texas at Austin			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
	37217217217	74-6000203	170230239
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input checked="" type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	The University of Texas at Austin		
	1200 East Martin Luther King Jr. Boulevard, MC C2600		
	City	State	ZIP
Austin	TX	78712	ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
(512) 471-3511		() -	

A.3. SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	

The University of Texas at Austin, JJ Pickle Research Campus Austin								
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	10100 Burnet Road							
	City	Austin	State	TX	ZIP	78758	ZIP + 4	4445
24. County	Travis							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:								
26. Nearest City					State			Nearest ZIP Code
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
8221			611310					
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
Research and education facility								
34. Mailing Address:	The University of Texas at Austin							
	1200 East Martin Luther King Jr. Boulevard, MC C2600							
	City	Austin	State	TX	ZIP	78712	ZIP + 4	
35. E-Mail Address:								
36. Telephone Number		37. Extension or Code		38. Fax Number <i>(if applicable)</i>				
() -				() -				

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

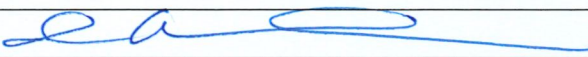
A.4. SECTION IV: Preparer Information

40. Name:	Rachel Dunn	41. Title:	Project Scientist
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 599-9786		() -	rdunn@braunintertec.com

A.5. SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	The University of Texas at Austin	Job Title:	Associate Director for Environmental Operations
-----------------	-----------------------------------	-------------------	---

Name (In Print):	Irezama Anderson	Phone:	(512) 471- 3511
Signature:		Date:	1/10/2024

Plan Sheets



The University of Texas at Austin
Project Management and Construction Services

MICROELECTRONICS RESEARCH CENTER
MER CLEANROOM BUILD-OUT AND EXPANSION PHASE B-2
CAPITAL PROJECT NO. 102-1400

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023 CONTRACT DATE: 02/01/2023 NUMBER: BSO 23 AE 11

GMP #3 - 100% CD SET B-2X+B-2Y CLEANROOMS

Note: The TUM serves as the Basis of Design (BOD) upon which Process Systems, MEP Infrastructure Systems, and other related systems are based. The TUM is color coded to indicate certain items and information in which: 1) the User (University of Texas at Austin) has provided and confirmed, and 2) items in which the User has not provided such information and/or confirmation and a UT approved assumption was utilized in its place.

PROJECT LOCATION:
MICROELECTRONICS
RESEARCH CENTER
10100 HARRY RANSOM TRAIL
AUSTIN, TX 78758

NOTE: COORDINATE WITH UT PMCS PROJECT
MANAGER (AS REQUIRED) FOR STAGING AND
CONSTRUCTION PARKING.

1" = 40'-0"

UT PRC CAMPUS - LOCATOR MAP 1



ARCHITECT:

Kirksey Architecture
(512) 961-9600
kirksey.com



ASSOCIATE ARCHITECT:

Fuse Architecture Studio
(512) 992-1520
fuse-arch.com



STRUCTURAL ENGINEER:

Datum Rios Engineers
(512) 469-9490
datumengineers.com



MEP ENGINEER:

Clearly Zimmermann / Moose Engineers, LLC
(512) 220-9200 / (210) 361-1400
clearlyzimmermann.com
mooseengineers.com



TECHNOLOGY CONSULTANT:

DataCom Design Group, LLC
(512) 478-6001
datacomdesign.com



PROCESS ENGINEER:

Forbes Innovation Group / Arete Engineering
(737) 400-0100 / (512) 231 8910
forbesinnovation.com
arete-eng.com



CIVIL ENGINEER:

Kimley-Horn
(512) 446-2237
kimley-horn.com



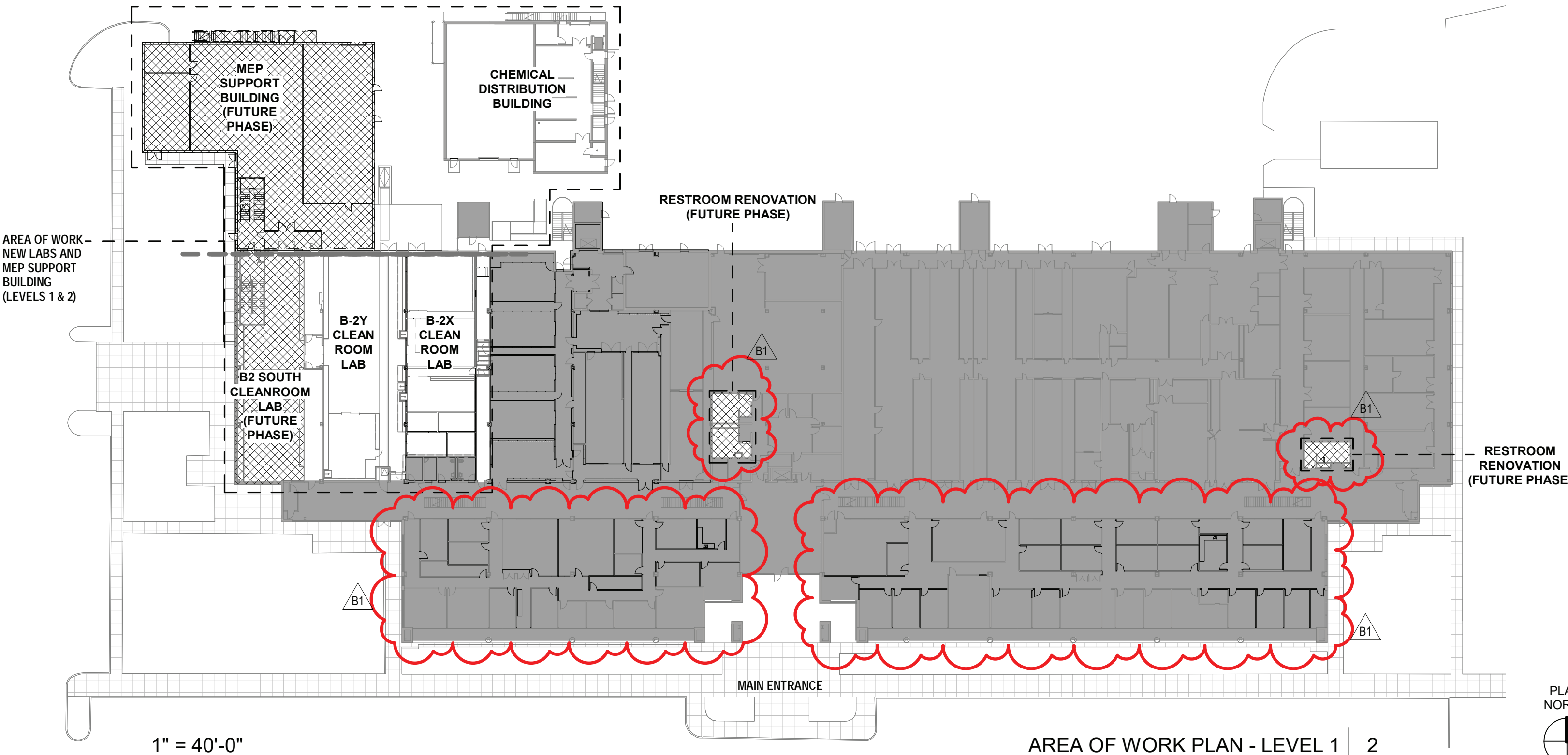
BUILDING ENVELOPE:

Hollon+Cannon Group, LLC
(512) 300-0452
hollon-cannon.com



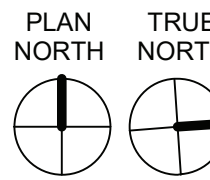
COST CONSULTANT:

Vermeulens
(512) 767-1120
vermeulens.com



1" = 40'-0"

AREA OF WORK PLAN - LEVEL 1 2



CONSULTANT

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

SEAL / SIGNATURE:



08 DECEMBER 2023

ORIGINAL ISSUE DATE

10/18/23
SHEET ISSUE DATE

ISSUE LOG

NO.	DATE	DESCRIPTION
1	10/18/2023	GMP #3 - 100% CD B-2X+B-2Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

**MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2**

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

102-1400

SHEET TITLE:

COVER SHEET

SHEET NUMBER:

A0.00

Highlighting indicates which plan sheets are included in this application package.

#	SHEET NAME	#	SHEET NAME
GENERAL			
A0.00	COVER SHEET	1-P603	PLUMBING DETAILS
A0.01	SHEET INDEX	1-P604	PLUMBING DETAILS
A0.10	GRAPHIC STANDARDS	1-P605	PLUMBING DETAILS
A0.11	ABBREVIATIONS	1-P606	PLUMBING DETAILS
A0.20	CODE INFORMATION	1-P607	PLUMBING DETAILS
A0.21	HAZARDOUS MATERIAL ANALYSIS AND CODE SUMMARY	1T-P100	PLUMBING UNDERFLOOR PLAN - PHASE B2X & B2Y (TEMP)
A0.25	PHASING PLANS	1T-P210	PLUMBING PLAN - PHASE B2X & B2Y (TEMP)
1T-A0.31	LIFE SAFETY PLAN - LEVEL 1 - B2X & B2Y (TEMP)	1T-P301	PLUMBING WASTE WATER BUILDING UNDERFLOOR
1T-A0.32	LIFE SAFETY PLAN - LEVEL 2 - B2X & B2Y (TEMP)	1T-P302	PLUMBING WASTE WATER BUILDING UNDERFLOOR
1T-A0.33	OCCUPANT EGRESS FLOW	1T-P303	PLUMBING WASTE WATER BUILDING SECOND FLOOR
1T-A0.34	OCCUPANT EGRESS FLOW	1T-P501	PLUMBING RISER (TEMP)
A0.70	MASTER SCHEDULE	1T-P502	PLUMBING RISER (TEMP)
		1T-P503	PLUMBING RISER (TEMP)
		1T-P504	PLUMBING RISER (TEMP)
CIVIL		PROCESS ENGINEERING	
1T-C0.10	KHA GENERAL NOTES	D000	SYMBOLS AND LEGENDS
1T-C1.00	EXISTING CONDITIONS AND DEMO PLANS - 2X & B2Y (TEMP)	D001	GENERAL NOTES
1T-C1.10	EROSION CONTROL PLAN (SHEET 1 OF 2) - B2X & B2Y (TEMP)	D002	SPECIALTY GAS INSTALL MATRIX
1T-C1.11	EROSION CONTROL PLAN (SHEET 2 OF 2) - B2X & B2Y (TEMP)	D003	CHEMICAL INSTALL MATRIX
1T-C1.12	STANDARD DETAILS - B2X & B2Y (TEMP)	D100	SPECIALTY GAS PROCESS DIAGRAM - 1
1T-C2.00	OVERALL SITE, GRADING & DIMENSION PLAN - B2X & B2Y (TEMP)	D101	SPECIALTY GAS PROCESS DIAGRAM - 2
1T-C3.01	WASTEWATER PLAN - B2X & B2Y (TEMP)	D102	SPECIALTY GAS PROCESS DIAGRAM - 3
1T-C3.02	WATER PLAN - B2X & B2Y (TEMP)	D103	SPECIALTY GAS PROCESS DIAGRAM - 4
1T-C3.03	UTILITY DETAILS - B2X & B2Y (TEMP)	D104	SPECIALTY GAS UTILITY DIAGRAM
ARCHITECTURAL		D105	SPECIALTY GAS EQUIPMENT UTILITY DIAGRAM - 1
1T-A1.20	SITE PLAN	D106	SPECIALTY GAS EQUIPMENT UTILITY DIAGRAM - 2
1T-A2.31	FLOOR PLAN - LEVEL 1 - B2X & B2Y (TEMP)	D107	SPECIALTY GAS EQUIPMENT UTILITY DIAGRAM - 3
1T-A2.32	FLOOR PLAN - LEVEL 2 - B2X & B2Y (TEMP)	D108	SPECIALTY GAS SHM PROCESS DIAGRAM
1T-A2.41	REFLECTED CEILING PLAN - LEVEL 1 - B2X & B2Y (TEMP)	D109	SPECIALTY GAS EXHAUST DIAGRAM - 1
1T-A2.42	REFLECTED CEILING PLAN - LEVEL 2 - B2X & B2Y (TEMP)	D110	SPECIALTY INERT GAS DISTRIBUTION DIAGRAM
1T-A2.61	OVERALL FINISH PLAN - LEVEL 1	D111	BULK GAS N2 SOURCE DIAGRAM
1T-A2.62	OVERALL FINISH PLAN - LEVEL 2	D112	BULK GAS A2, O2, H2 SOURCE DIAGRAM
1T-A3.10	EXTERIOR ELEVATIONS	D113	BULK GAS PURIFIER ROOM DIAGRAM
1T-A4.10	BUILDING SECTIONS	D114	BULK GAS DISTRIBUTION DIAGRAM
1T-A4.11	BUILDING SECTIONS AND DETAILS	D115	BULK GAS TEMPORARY BUNDLES
1T-A4.20	WALL SECTIONS	D120	TYPICAL CDU HOOK-UP DIAGRAM
1T-A4.21	WALL SECTIONS	D121	TEMPORARY CUMBI HOOK-UP DIAGRAM
1T-A6.11	DOOR SCHEDULE AND TYPES - B2X + B2Y (TEMP)	D122	CHEM ROOM LIFT STATIONS
1T-A6.60	PARTITION TYPES	D130	CSL9044C DISTRIBUTION DIAGRAM
1T-A6.70	EXTERIOR ASSEMBLY TYPES	D140	UPW BLOCK DIAGRAM
1T-A7.10	STAIR ENLARGED PLANS AND SECTIONS	D141	UPW DISTRIBUTION DIAGRAM
1T-A7.11	STAIR ENLARGED PLANS AND SECTIONS	D160	PCW EQUIPMENT PAID
1T-A7.20	STAIR DETAILS	D161	PCW DISTRIBUTION DIAGRAM
1T-A7.21	STAIR DETAILS	D170	PROCESS VACUUM EQUIPMENT P&ID
CLEAN ROOM ARCHITECTURAL		D171	PROCESS VACUUM DISTRIBUTION P&ID
1T-CR2.31	CLEANROOM OVERALL PLANS - LEVEL 1 - B2X & B2Y (TEMP)	D180	COA EQUIPMENT PAID
1T-CR2.32	CLEANROOM ENLARGED PLANS - LEVEL 1 - B2X & B2Y (TEMP)	D181	COA DISTRIBUTION P&ID
1T-CR2.33	TOOL MOVE-IN PATH - B2X & B2Y (TEMP)	D190	HEAT GEN EXHAUST FANS P&ID
1T-CR2.34	TOOL MOVE-IN PATH - B2X & B2Y (TEMP)	D191	ACID EXHAUST FANS P&ID
1T-CR2.35	TOOL MOVE-IN PATH - B2X & B2Y (TEMP)	D192	VOC EXHAUST FANS P&ID
1T-CR2.36	TOOL MOVE-IN PATH - B2X & B2Y (TEMP)	D193	PROCESS EXHAUST DISTRIBUTION DIAGRAM
1T-CR2.37	TOOL MOVE-IN PATH - B2X & B2Y (TEMP)	D194	ACID EXHAUST SCRUBBER PAID
1T-CR2.43	CLEANROOM B2-X SLAB PLAN - B2X & B2Y (TEMP)	1T-D001	PROCESS TEMPORARY EQUIPMENT PLAN - LEVEL 1
1T-CR2.44	CLEANROOM B2-Y WEST ENLARGED TOOL PLAN - LEVEL 1 - B2X & B2Y (TEMP)	1T-D002	PROCESS TEMPORARY EQUIPMENT PLAN - LEVEL 2
1T-CR2.45	CLEANROOM B2-X WEST ENLARGED TOOL PLAN - LEVEL 1 - B2X & B2Y (TEMP)	1T-D001	PROCESS TEMPORARY GCS PIPING PLAN - LEVEL 1
1T-CR2.46	CLEANROOM B2-X EAST ENLARGED TOOL PLAN - LEVEL 1 - B2X & B2Y (TEMP)	1T-D002	PROCESS TEMPORARY GCS PIPING PLAN - LEVEL 2
1T-CR2.47	CLEANROOM B2-Y EAST ENLARGED TOOL PLAN - LEVEL 1 - B2X & B2Y (TEMP)	1T-D001	PROCESS TEMPORARY MECHANICAL PIPING PLAN - LEVEL 1
1T-CR2.48	VESTIBULE AT A2 AN B-2X	1T-D002	PROCESS TEMPORARY MECHANICAL PIPING PLAN - LEVEL 2
1T-CR2.49	VESTIBULE AT B2 SOUTH AND B2Y	1T-D001	PROCESS EQUIPMENT PLAN - LEVEL 1
1T-CR4.10	CLEANROOM INTERIOR ELEVATIONS - B2X & B2Y (TEMP)	1T-D002	PROCESS EQUIPMENT PLAN - LEVEL 2
1T-CR4.11	CLEANROOM INTERIOR ELEVATIONS - B2X & B2Y (TEMP)	1-D401	PROCESS MECHANICAL PIPING PLAN - LEVEL 1-AREA 1
1T-CR4.12	CLEANROOM INTERIOR ELEVATIONS - B2X & B2Y (TEMP)	1-D402	PROCESS MECHANICAL PIPING PLAN - LEVEL 1-AREA 2
1T-CR4.13	CLEANROOM WALL SECTIONS - B2X & B2Y (TEMP)	1-D403	PROCESS MECHANICAL PIPING PLAN - LEVEL 2
1T-CR4.14	CLEANROOM WALL SECTIONS - B2X & B2Y (TEMP)	1-D501	PROCESS EXHAUST DUCT PLAN - LEVEL 1
1T-CR6.12	CLEANROOM DETAILS - B2X & B2Y (TEMP)	1-D502	PROCESS EXHAUST DUCT PLAN - LEVEL 2
1T-CR6.13	CLEANROOM DETAILS - B2X & B2Y (TEMP)	1-D503	PROCESS EXHAUST DUCT PLAN - ROOF
1T-CR6.14	CLEANROOM DETAILS - B2X & B2Y (TEMP)	1-D601	PROCESS - SECTIONS - OVERALL
1T-CR6.15	ABOVE CEILING DETAILS	1-D602	PROCESS - SECTIONS - GCS BUILDING
1T-CR7.10	DOOR & FRAME SCHEDULE - B2X & B2Y (TEMP)	FIRE PROTECTION	
STRUCTURAL		1T-FA1.01	FIRE ALARM PLAN - B2X & B2Y (TEMP)
S0.01	ABBREVIATION AND GENERAL NOTES	1T-FA1.02	FIRE ALARM PLAN CHEM STORAGE BUILDING (TEMP)
S0.02	GENERAL NOTES	FA0.01	FIRE ALARM COVER SHEET
S0.03	GENERAL NOTES	FA2.01	FIRE ALARM RISER DIAGRAM AND SEQUENCE OF OPERATION
S1.32	LEVEL 2 LOAD MAP	FA2.02	FIRE ALARM DETAILS
S1.35	ROOF LOAD MAP	FA2.03	FIRE ALARM DETAILS
1T-S1.01	FLOOR PLAN - LEVEL 1 - B2X & B2Y (TEMP)	FA2.04	MASS NOTIFICATION SYSTEM NOTES AND DETAILS
1T-S1.02	FLOOR PLAN - LEVEL 2 - B2X & B2Y (TEMP)	FP0.01	FIRE PROTECTION COVER SHEET
1T-S1.03	1T-S1-03 - FLOOR PLAN - ROOF - B2X & B2Y (TEMP)	1T-FP1.01	FIRE PROTECTION PLAN - B2X & B2Y (TEMP)
S3.00	BUILDING SECTIONS	1T-FP1.02	FIRE PROTECTION PLANCHEM STORAGE BUILDING (TEMP)
S3.01	DRILLED PIER SCHEDULE AND FOUNDATION DETAILS	TOXIC GAS MONITORING	
S3.02	FOUNDATION TYPICAL DETAILS	TG001	SYMBOLS AND LEGEND
S3.03	FOUNDATION DETAILS	TG002	TGM SCHEDULES
S3.04	FOUNDATION DETAILS	TG003	TGM SCHEDULES
S3.05	STEEL COLUMN AND BASEPLATE DETAILS	TG004	TGM SCHEDULES
S3.06	SLAB & TRENCH DETAILS	TG005	TGM SCHEDULES
S3.07	FOUNDATION DETAILS	TG006	TGM SCHEDULES
S4.01	SIMPLE BEAM CONNECTION DETAILS	TG007	TGM SCHEDULES
S4.02	COMPOSITE STEEL DETAILS	TG008	TGM SCHEDULES
S4.03	ELEVATED FRAMING DETAILS	TG100	TGM SYSTEM BLOCK DIAGRAM
S4.10	MASONRY DETAILS	TG202	TOXIC GAS MONITORING DEVICE LOCATION PLAN CUB LEVEL 2
S5.01	ROOF TYPICAL DETAILS	TG203	TOXIC GAS MONITORING DEVICE LOCATION PLAN B2-X, B2-Y LEVEL 1
MECHANICAL		TG207	TOXIC GAS MONITORING DEVICE LOCATION PLAN CONTROL RM LEVEL 1
1T-M000	MECHANICAL SYMBOLS & ABBREVIATIONS	TG601	TGM DETAILS
1T-M100	MECHANICAL UNDERFLOOR PLAN - PHASE B2X & B2Y (TEMP)	TG602	TGM DETAILS
1T-M101	MECHANICAL PLAN - PHASE B2X & B2Y (TEMP)	TG603	TGM DETAILS
1T-M102	MECHANICAL PLAN - LVL 2 - PHASE B2X & B2Y (TEMP)	DATA NETWORKS	
1T-M103	MECHANICAL PLAN - ROOF - B2X & B2Y (TEMP)	T0.01	COMMUNICATIONS LEGEND AND NOTE
1T-M201	MECHANICAL AIR DEVICE PLAN - B2X & B2Y (TEMP)	T2.11	COMMUNICATIONS DEMO PLAN - LEVEL
1T-M301	MECHANICAL SCHEDULES	T2.30	COMMUNICATIONS FLOOR PLAN - LEVEL B2X & B2Y (TEMP)
1T-M302	MECHANICAL SCHEDULES	T2.31	COMMUNICATIONS FLOOR PLAN - LEVEL
1T-M401	MECHANICAL CONTROLS	T2.32	COMMUNICATIONS FLOOR PLAN - LEVEL
1T-M402	MECHANICAL CONTROLS	T2.33	COMMUNICATIONS FLOOR PLAN - LEVE 1&2 (OFFICE SOUTH
1T-M403	MECHANICAL CONTROLS	T2.34	COMMUNICATIONS FLOOR PLAN - LEVE 1&2 (OFFICE NORTH
1T-M404	MECHANICAL CONTROLS	T3.01	COMMUNICATIONS TELECOM ROOM DETAILS
1T-M405	MECHANICAL CONTROLS	T4.01	COMMUNICATIONS GENERAL DETAILS
1T-M406	MECHANICAL CONTROLS	T4.02	COMMUNICATIONS GENERAL DETAILS
1T-M501	MECHANICAL DETAILS	SC01.01	SECURITY LEGEND & NOTES
1T-M502	MECHANICAL DETAILS	SC3.01	SECURITY DOOR ELEVATIONS
1T-M503	MECHANICAL DETAILS	SC4.01	SECURITY GENERA DETAILS
1T-MD101	MECHANICAL DEMOLITION PLAN PHASE B2X & B2Y (TEMP)	ROOFING	
1T-MH101	HYDRONIC PLAN - LVL 1 - PHASE B2X & B2Y (TEMP)	R1	SITE PLAN WIND ZONE PLAN SCHEDULES
1T-MH102	HYDRONICS PLAN - LVL 2 - PHASE B2X & B2Y (TEMP)	R2	PARTIAL ROOF PLAN
ELECTRICAL		R3	PARTIAL ROOF PLAN
1T-E000	ELECTRICAL SYMBOLS ABBREVIATIONS	R4	PARTIAL ROOF PLANS, ROOF DETAILS
1T-E010	ELECTRICAL SITE PLAN TEMP	R5	ROOF DETAILS
1T-E100	ELECTRICAL LIGHTING PLAN - SUBFLOOR - PHASE B2X & B2Y (TEMP)	R6	ROOF DETAILS
1T-E101	ELECTRICAL FIXTURE SCHEDULE	R7	ROOF DETAILS
1T-E110	ELECTRICAL LIGHTING PLAN - PHASE B2X & B2Y (TEMP)	R8	ROOF DETAILS
1T-E120	ELECTRICAL LIGHTING PLAN - LVL 2 - PHASE B2X & B2Y (TEMP)	R9	ROOF DETAILS
1T-E200	ELECTRICAL POWER PLAN - SUBFLOOR - PHASE B2X & B2Y	R10	ROOF DETAILS
1T-E210	ELECTRICAL POWER PLAN - PHASE B2X & B2Y (TEMP)	R11	ROOF DETAILS
1T-E213	ELECTRICAL POWER PLAN - ROOF - PHASE B2X & B2Y (TEMP)	R12	ROOF DETAILS
1T-E214	ELECTRICAL POWER PLAN - LVL 1 (TEMP) - ELEC ROOM		
1T-E220	ELECTRICAL POWER PLAN - LVL 2 - PHASE B2X & B2Y (TEMP)		
1T-E224	ELECTRICAL POWER PLAN - LVL 2 (TEMP) - ELEC ROOM RENO		
1T-E310	ELECTRICAL MECHANICAL POWER PLAN - LVL 1 - PHASE B2X & B2Y (TEMP)		
1T-E320	ELECTRICAL MECHANICAL POWER PLAN - LVL 2 - PHASE B2X & B2Y (TEMP)		
1T-E330	ELECTRICAL MECHANICAL POWER PLAN - ROOF - PHASE B2X & B2Y (TEMP)		
1T-E401	ELECTRICAL ONE LINE DIAGRAM EXISTING - SG-1 RENO		
1T-E403	ELECTRICAL ONE LINE DIAGRAM EXISTING - SG-1 RENO		
1T-E404	ELECTRICAL ONE LINE DIAGRAM - B2Y1 & B2Y2		
1T-E501	ELECTRICAL SCHEDULES		
1T-E502	ELECTRICAL SCHEDULES		
1T-E503	ELECTRICAL SCHEDULES		
1T-E601	ELECTRICAL DETAILS		
1T-E602	ELECTRICAL DETAILS		
1T-ED224	ELECTRICAL POWER PLAN - LVL 2 (TEMP) - ELEC ROOM DEMO		
1T-ED401	ELECTRICAL ONE LINE DIAGRAM EXISTING - SG-1 DEMO		
PLUMBING			
1-P000	PLUMBING SYMBOLS & ABBREVIATIONS		
1-P010	PLUMBING SITE PLAN		
1-P401	PLUMBING SCHEDULES		
1-P601	PLUMBING DETAILS		
1-P602	PLUMBING DETAILS		

CONSULTANT

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

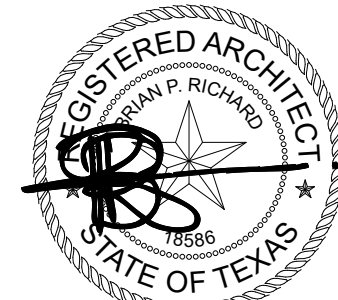
6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

SEAL / SIGNATURE:



08 DECEMBER 2023

ORIGINAL ISSUE DATE

10/18/23

SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
1018/2023		GMP #3 - 100% CD B2X-B2Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X-B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM BUILD-OUT AND EXPANSION PHASE B-2

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

102-1400

SHEET TITLE:

SHEET INDEX

SHEET NUMBER:

A0.01

MATERIAL INDICATIONS

SECTION		ELEVATION
	CONCRETE	
	PRECAST CONCRETE	
	CMU	
	BRICK	
	CAST/CURT STONE	
	NATURAL STONE	
	FINISHED WOOD	
	METAL LATH & PLASTER	
	CERAMIC/QUARRY TILE	
	GLASS/MIRROR	

FINISH PLAN SYMBOLS

ROOM NAME ###-#	ROOM SYMBOL - FINISH PLAN
WALL FINISH NOTE FLOOR FINISH BASE FINISH NOTE	
FINISH TRANSITION	
WALL FINISH NOTE BASE FINISH NOTE	FINISH NOTE
WALL FINISH NOTE	WALL FINISH NOTE
FLOOR FINISH NOTE	FLOOR FINISH NOTE
BASE FINISH NOTE	BASE FINISH NOTE
FLOOR FINISH START POINT	

DEMO PLAN SYMBOLS

	EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING DEMOLITION
	EXISTING DOOR, PARTITION AND/OR ELEMENT TO BE REMOVED / RELOCATED

LIFESAFETY PLAN SYMBOLS

	STEEL		SPRAYED FIREPROOFING
	ALUMINUM		BATT/BLANKET INSUL
	BRASS/BRONZE		RIGID INSUL
	GRADE/EARTH		GYPSUM SHEATHING
	GRAVEL		GYPSUM WALLBOARD
	SAND		BACKER ROD & SEALANT
	CONT. WOOD BLOCKING		JOINT FILLER
	DISCONT. WOOD SHIM		ACOUS. CEILING
	PLYWOOD		MINERAL WOOL

	TOP NUMBER: ACTUAL NUMBER OF OCCUPANTS USING THE STAIR FOR EGRESS BOTTOM NUMBER: EGRESS CAPACITY OF STAIR (BASED ON IBC 1005.3.1)	OCCUPANCY LOAD (STAIR)
	TOP NUMBER: ACTUAL NUMBER OF OCCUPANTS USING THE OPENING FOR EGRESS BOTTOM NUMBER: EGRESS CAPACITY OF OPENING (BASED ON IBC 1005.3.2)	OCCUPANCY LOAD (DOOR)
	AREA NUMBER OCC TYPE = A-1 OCCUPANTS = 250 TOTAL OCCUPANTS	AREA TAG
	TRAVEL DISTANCE = 000'-0" (MAX T.D. = 000'-0") COMMON PATH OF EGRESS = 000'-0" (MAX C.P.E. = 000'-0") DEAD END CORRIDOR = 000'-0" (MAX D.E.C. = 000'-0")	EGRESS PATHS

NR	NON RATED PARTITION	OS	0 HOUR SMOKE PARTITION
1F	1 HOUR FIRE RATED PARTITION/BARRIER	1S	1 HOUR SMOKE BARRIER
2F	2 HOUR FIRE RATED BARRIER	2S	2 HOUR SMOKE BARRIER
3F	3 HOUR FIRE RATED BARRIER	3S	3 HOUR SMOKE BARRIER
	FIRE EXTINGUISHER CABINET		EMERGENCY RESPIRATOR
	FIRE EXTINGUISHER		EMERGENCY SHOWER + EYE WASH
	FIRE HOSE OR STANDPIPE CONNECTION		EYE WASH
	FIRE HOSE CABINET WITH EXTINGUISHER		EAR PROTECTION
	FIRST AID CABINET		EYE WEAR
	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET		FALL PROTECTION
	KNOX BOX		MUSTER STATION
	FIRE BLANKET		SMOKING AREA
	EMERGENCY SHOWER		

POWER PLAN SYMBOLS

WALL MOUNTED DEVICES	
	WALL MOUNTED - SINGLE RECEPTACLE
	WALL MOUNTED - DUPLEX RECEPTACLE
	WALL MOUNTED - DUPLEX RECEPTACLE WITH USB PORT
	WALL MOUNTED - QUADRAPLEX RECEPTACLE
	WALL MOUNTED - 220 VOLT RECEPTACLE
	WALL MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
	WALL MOUNTED - DATA RECEPTACLE
	WALL MOUNTED - VOICE RECEPTACLE
	WALL MOUNTED - DATA/VOICE RECEPTACLE
	WALL MOUNTED - POWER FURNITURE FEED
	WALL MOUNTED - DATA/VOICE FURNITURE FEED
	WALL MOUNTED - JUNCTION BOX
	WALL MOUNTED - SPECIALTY DEVICE & JUNCTION BOX
	WALL MOUNTED - THERMOSTAT
	WALL MOUNTED - CARD READER
	WALL MOUNTED - BIOMETRIC READER
	WALL MOUNTED - INTERCOM
	WALL MOUNTED - LIGHT SWITCH
	RECESSED WALL MOUNTED TV BACK BOX
	WALL MOUNTED - OFFICE DESK AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS
	WALL MOUNTED - HUDDLE SPACE AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS
	WALL MOUNTED - COPIER AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS

FLOOR MOUNTED DEVICES	
	FLOOR MOUNTED - SINGLE RECEPTACLE
	FLOOR MOUNTED - DUPLEX RECEPTACLE
	FLOOR MOUNTED - QUADRAPLEX RECEPTACLE
	FLOOR MOUNTED - 220 RECEPTACLE
	FLOOR MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
	FLOOR MOUNTED - DATA RECEPTACLE
	FLOOR MOUNTED - VOICE RECEPTACLE
	FLOOR MOUNTED - DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION QUADRAPLEX & DATA/VOICE RECEPTACLE
	FLOOR MOUNTED - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
	FLOOR MOUNTED - POWER STUB-UP
	FLOOR MOUNTED - DATA/VOICE STUB-UP
	FLOOR MOUNTED - AV STUB-UP
	FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE STUB-UP
	FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV STUB-UP
	FLOOR MOUNTED - POWER FURNITURE FEED
	FLOOR MOUNTED - DATA/VOICE FURNITURE FEED
	FLOOR MOUNTED - AV FURNITURE FEED
	FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE FURNITURE FEED
	FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV FURNITURE FEED
	CEILING MOUNTED - POWER POLE

TABLETOP DEVICES	
	TABLETOP - SINGLE RECEPTACLE
	TABLETOP - DUPLEX RECEPTACLE
	TABLETOP - QUADRAPLEX RECEPTACLE
	TABLETOP - SPECIAL REQUIREMENT RECEPTACLE
	TABLETOP - DATA RECEPTACLE
	TABLETOP - VOICE RECEPTACLE
	TABLETOP - DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION QUADRAPLEX & DATA/VOICE RECEPTACLE
	TABLETOP - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
	TABLETOP - COMBINATION QUADRAPLEX, DATA/VOICE, & AV RECEPTACLE

SECURITY SYMBOLS	
	SECURITY CAMERA - WALL MOUNTED - FIXED
	SECURITY CAMERA - WALL MOUNTED - PAN
	SECURITY CAMERA - CEILING MOUNTED - FIXED
	SECURITY CAMERA - CEILING MOUNTED - PAN
	PANIC HARDWARE
	MOTION DETECTOR
	FAIL-SAFE MAGNETIC LOCK
	ELECTRIC STRIKE
	ELECTRIC MORTISE LOCK
	DOOR CONTACT
	CARD READER
	BIOMETRIC READER
	EMERGENCY CALL BUTTON
	REQUEST TO EXIT BUTTON

CEILING PLAN SYMBOLS

ROOM NAME ###-#	ROOM SYMBOL - CEILING PLAN
CEILING FINISH	
ROOM NAME ###-#	ROOM SYMBOL - CEILING PLAN
CEILING FINISH CEILING HEIGHT	
CEILING HEIGHT - ABOVE FINISH FLOOR (AFF)	
SUSPENDED ACOUSTICAL CEILING GRID	
SUSPENDED GYPSUM CEILING	
STRETCHED FABRIC CEILING SYSTEM	
EXIT SIGN - CEILING MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)	
EXIT SIGN - WALL MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)	
CEILING GRID START POINT	
CEILING FINISH TYPE	
CEILING TRANSITION	
SPEAKER	
MICROPHONE	
AUDIO VISUAL DEVICE	
LIGHT SENSOR	
WHITE NOISE EMITTER	
WIRELESS ACCESS POINT	
PHOTOCELL SENSOR	

LIGHTING SYMBOLS

LIGHTING SYMBOLS ARE GENERIC REPRESENTATIONS	
FIXTURE DESIGNATION (TYPICAL - IF REQUIRED)	
A	TROFFER
C	COVE
D	DOWNLIGHT
F	FLOOR
G	GARAGE
H	SCONCE
M	MECH / ELEC / UTILITY STRIP
P	PENDANT
SA	SITE - POLE
SB	SITE - MISC (ARCHITECTURAL / BUILDING)
U	UNDER CABINET / UPPER CABINET
V	VERTICAL
W	WALL WASHER
X	EXIT LIGHTING
Z	MISC / OTHER

FLOOR PLAN SYMBOLS

EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING CONSTRUCTION	
NEW DOOR, PARTITION AND/OR ELEMENT DOOR NUMBER (RE: DOOR SCHEDULE FOR TYPE AND HARDWARE INFORMATION.) (RE: DOOR MANEUVERING CLEARANCES SHEET)	
NORTH ARROW	
BUILDING ELEVATION / INTERIOR ELEVATION	
DETAIL NUMBER - TYP	
BUILDING SECTION	
SHEET NUMBER - TYP	
WALL SECTION	
SECTION DETAIL	
ENLARGED PLAN / DETAIL	
ROOM IDENTIFICATION	
PARTITION TYPE (RE: PARTITION SCHEDULE FOR DESCRIPTION)	
NR - NOT RATED 1F - 1 HOUR FIRE RATED 2F - 2 HOUR FIRE RATED 3F - 3 HOUR FIRE RATED	OS - 0 HOUR SMOKE PARTITION 1S - 1 HOUR SMOKE PARTITION 2S - 2 HOUR SMOKE PARTITION 3S - 3 HOUR SMOKE PARTITION
EXTERIOR WALL TYPE (RE: WALL TYPE SCHEDULE FOR DESCRIPTION)	
IF INCLUDED, NUMBER AFTER DECIMAL REFERS TO CONTINUOUS INSULATION THICKNESS	
.10 - 1" CONTINUOUS INSULATION .15 - 1.5" CONTINUOUS INSULATION .20 - 2" CONTINUOUS INSULATION .25 - 2.5" CONTINUOUS INSULATION .30 - 3" CONTINUOUS INSULATION .35 - 3.5" CONTINUOUS INSULATION	
ALIGN	ALIGN
MASTER SCHEDULE NOTE: REFER TO SHEET A0.70	
BRK-1 TA-1.1 GL-1	
CURTAINWALL TYPE	
WINDOW TYPE	
LOUVER TYPE	
CASEWORK / COUNTERTOP TYPE (S) SINGLE DOOR (D) DOUBLE DOOR	
MILLWORK / CASEWORK NOTE	
SHEET NOTE	
P.# FLOOR PLAN NOTE R.# REFLECTED CEILING PLAN NOTE PW.# POWER PLAN NOTE F.# FINISH PLAN NOTE D.# DEMO PLAN NOTE S.# SITE PLAN NOTE E.# EQUIPMENT PLAN NOTE FN.# FURNITURE PLAN NOTE ## SHEET NOTE LINKED TO SPECIFICATION SECTION FIRST NUMBER REFERENCES THE CSI DIVISION	
SHOWER HEAD	
REVISION CLOUD	
REVISION NUMBER	

NOTIFICATION TO GENERAL CONTRACTOR

THE INTER RELATION OF THE SPECIFICATIONS AND THE DRAWINGS: THE SPECIFICATIONS DETERMINES THE QUALITY, NATURE AND SETTING OF MATERIALS; THE DRAWINGS ESTABLISH THE QUANTITIES, DIMENSIONS AND DETAILS. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE AND WHATEVER IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL. SHOULD THE DRAWINGS DISAGREE IN THEMSELVES, OR WITH THE SPECIFICATIONS, OR IF PROPRIETARY INFORMATION DISAGREES WITH PERFORMANCE REQUIREMENTS IN EITHER THE DRAWINGS OR THE SPECIFICATIONS, THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK OR MATERIALS SHALL BE ESTIMATED UPON. SHOULD DISCREPANCIES OR DOUBT OCCUR, REQUEST CLARIFICATION FROM THE ARCHITECT. CONTRACTOR SHALL REQUEST CLARIFICATION IN SUFFICIENT TIME TO AVOID DELAYS AND INCREASES IN THE CONTRACT SUM.

REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

IF A DIMENSIONAL DISCREPANCY EXISTS, CONTRACTOR SHALL TAKE FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK. UPON COMMENCEMENT OF ANY ITEM OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS RELATED TO SUCH ITEM OF WORK AND SHALL MAKE ANY CORRECTIONS NECESSARY TO MAKE WORK PROPERLY FIT AT NO ADDITIONAL COST TO OWNER. BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, CONTRACTOR SHALL VERIFY DIMENSIONS AND CHECK CONDITIONS IN ORDER TO ASSURE THAT THEY PROPERLY REFLECT THOSE ON THE DRAWINGS. ANY INCONSISTENCY SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN ORDERED MATERIAL AND ACTUAL CONDITIONS, OF WHICH ARCHITECT WAS NOT NOTIFIED BEFOREHAND, COSTS TO CORRECT SUCH DISCREPANCIES SHALL BE BORNE BY CONTRACTOR.

SEAL / SIGNATURE:



ORIGINAL ISSUE DATE 10/18/23
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B1	10/18/2023	GMP #3 - 100% CD & 2X-B2-Y CLEANROOMS
	12/08/2023	GMP #3 - BULLETIN 01 B2-X-B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM BUILD-OUT AND EXPANSION PHASE B-2

PROJECT ADDRESS:
10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:
SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:
MICROELECTRONICS RESEARCH CENTER



BUILDING ABBREVIATION - NUMBER:

MER

CAPTAL PROJECT NUMBER:

102-1400

SHEET TITLE:

GRAPHIC STANDARDS

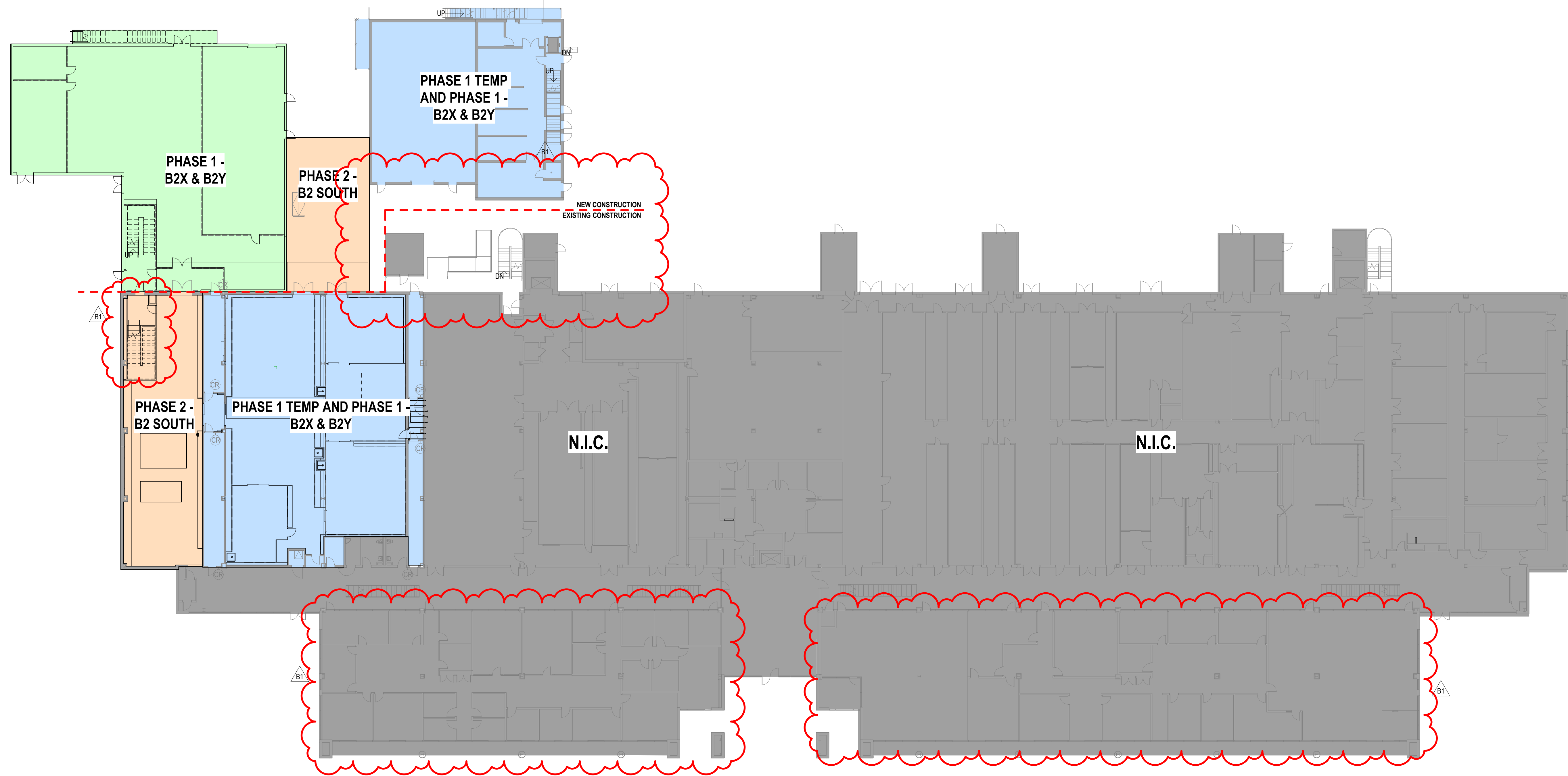
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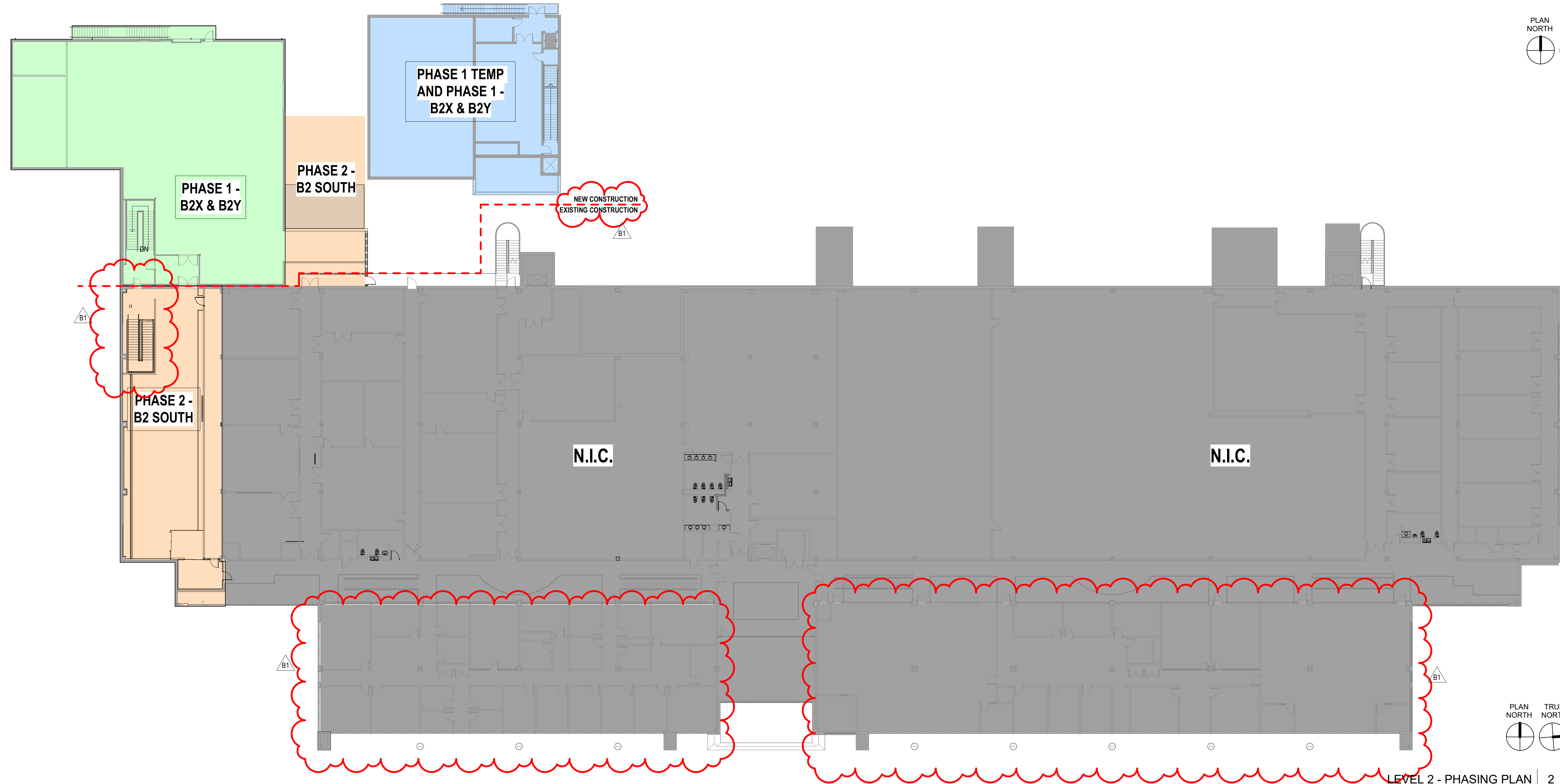
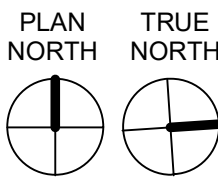
AB	ANCHOR BOLT	EA	EACH	LAM	LAMINATE(D)	RECEP	RECEPTION
AC	ACOUSTICAL SEALANT	EFOB	EXTERIOR FACE OF BUILDING	LAV	LAVATORY	RECEP	RECEPTACLE
ACC	ARCHITECTURAL CAST IN PLACE CONCRETE	EJ	EXPANSION JOINT	LGTH	LENGTH	RECOM	RECOMMENDATION
ACM	ALUMINUM COMPOSITE METAL	ELAS	ELASTIC (ELASTOMERIC)	LH	LEFT HAND	REC	RECESSED
ACOUS	ACOUSTICAL	ELEC	ELECTRICAL	LV	LEVEL	REG	REGULATION
ADJUST	ADJUSTABLE	ELEV	ELEVATOR	LIN	LINEAR	REINF	REINFORCED
ADJ	ADJACENT	EL	ELEVATION	LL	LINE LOAD	REQD	REQUIRED
ADW	ACCESS DOOR	ELAST	ELASTOMERIC	LT	LIGHT	RET	RETURN
AF	ACCESS FLOORING	EMER	EMERGENCY	LVR	LOUVER	REV	REVISION
AGG	ABOVE FINISH FLOOR	EP	EXPLOSION PROOF	LWT	LIGHTWEIGHT	RE	REFER TO
AGF	AGGREGATE	EQ	EQUIPMENT			RF	RESINOUS FLOORING
AHU	AIR HANDLING UNIT	EQUIP	EQUIPMENT			RFG	ROOFING
ALT	ALTERNATE	EQ	EQUAL	M	METER	RH	RIGHT HAND
ALU	ALUMINUM	EW	ELECTRIC WATER COOLER	MM	MILLIMETER	RM	ROOM
ALUM	ALUMINUM	EWI	ELECTRIC WATER HEATER	MACH	MACHINE	RO	ROUGH OPENING
ANG	ANGLE	EY	EACH WAY	MAINT	MAINTENANCE	ROW	RIGHT OF WAY
ANOD	ANODIZED	EXH	EXHAUST	MAS	MASONRY	RS	ROLLER SHADE
APPROX	APPROXIMATELY	EXIST	EXISTING	MATL	MATERIAL	RSF	RESILIENT SHEET FLOORING
APC	ACOUSTICAL PANEL CEILING	EXPAN	EXPANSION	MECH	MECHANICAL	RSF	RENTABLE SQUARE FOOT
ARCH	ARCHITECT/ARCHITECTURAL	EXP	EXPOSED	MEJ	MASONRY EXPANSION JOINT	RTF	RESILIENT TILE FLOORING
ASPH	ASPHALT	EXT	EXTERIOR	MEJ	MASONRY EXPANSION JOINT	RIA	RETURN AIR GRILLE
ATC	ACRYLIC TEXTURED COATING			MEP	MECHANICAL ELECTRICAL	RIA	RETURN AIR
ATN	ATTENUATING/ATTENUATING						
AUTO	AUTOMATIC						
AUX	AUXILIARY						
AV	AVENUE						
AVG	AVERAGE						
AIR	AIR CONDITIONING						
AV	AUDIO VISUAL						
B	BASE	F###	SHEET NOTE - FINISH PLAN	MF	METAL FINISHES	S###	SHEET NOTE - SITE
BD	BOARD	FV###	SHEET NOTE - FURNITURE PLAN	MFR	MANUFACTURER	SAWU	SOUND ABSORBING WALLTIS
BLDG	BUILDING	FA	FIRE ALARM	MH	MANHOLE	SCHED	SCHEDULE(D)
BLKS	BLOCKING	FC	FIRE CODE	MIN	MINIMUM	SC	STAINED CONCRETE
BLK	BLOCK	FD	FLOOR DRAIN	MISC	MISCELLANEOUS	SECT	SECTION
BM	BEAM	FE	FIRE EXTINGUISHER	MILDG	METAL LATH	SF	SQUARE FEET
BOT	BOTTOM	FEB	FIRE EXTINGUISHER, CABINET	MO	MASONRY OPENING	SHLV	SHELVES/SHELVING
B.O.	BOTTOM OF	FEC	FIRE EXTINGUISHER, CABINET	MR	MOISTURE RESISTANT	SHTG	SHOOTING
BR	BRICYCLE RACK	FEG	FIRE EXTINGUISHER, CABINET	MSV	MANUFACTURED STONE VENEER	SH	SHEET
BRG	BRICK	FH	FIRE HYDRANT	MTD	MOUNTED	SM	SIMILAR
BRK	BRICK	FIN	FINISH/FINISHED	MTG	MOUNTING	SKY	SKYLIGHT
BRKT	BRACKET	FIXT	FIXTURE	MTL	METAL	SMV	STONE MASONRY VENEER
BSMT	BASEMENT	FLRG	FLOORING	MULL	MULLION	SPEC	SPECIFICATION
BTB	BETWEEN	FLR	FLOOR	MULL	MULLION	SQ	SQUARE
B&B	BALLED & BUR LAPPED	FLSHG	FLASHING	N	NOT IN CONTRACT	SS	SOLID SURFACE
B-B	BACK TO BACK	F.P.W.	FLOOD PROTECTION WALL	NIC	NOT IN CONTRACT	STSL	STAINLESS STEEL
B.M.	BENCH MARK	FL	FLOOR LINE	NOM	NOMINAL	STA	STATION
BF	BOTH FACES	FM	FACTORY MUTUAL	NO. DR #	NUMBER	STAB	STABILIZE(D)
		FND	FOUNDATION	NRC	NOISE REDUCTION COEFFICIENT	STC	SOUND TRANSMISSION
		FR GL	FRITTED GLASS	NTS	NOT TO SCALE		COEFFICIENT
		FRP	FIBER REINFORCED PLASTIC			STC	STONE COUNTERTOP
		FRPF	FIBERPROOF(ING)			STF	STONE FACING
		FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR			STL	STEEL
		FS	FULL SIZE			STOR	STORAGE
		FTG	FOOTING			STRUCT	STRUCTURE/STRUCTURAL
		FT	FOOT (FEET)	OA	OVERALL	SUSP	SUSPENDED
		FURN	FURNISH	OC	ON CENTER(S)	SW	SWITCH
CB	CABINET	FURR	FURNISHED/FURNISHING	OC	OVERHEAD COILING DROOL	SAD	SUPPLY AIR DIFFUSER
CAB	CATCH BASIN	FV	FIELD VERIFY	OGG	OVERHEAD COILING GRILLES		
CCTV	CLOSED CIRCUIT TELEVISION	FVC	FIRE VALVE CABINET	OGD	OVERHEAD COILING GRILLES	T	TREAD
CCEM	CEMENT	FWC	FIRE VALVE COVERING	OFI	OUTSIDE DIAMETER	TA	TOILET ACCESSORY
CE	CERAMIC	FWP	FABRIC WRAPPED WALL PANELS	OFI	OWNER FURNISHED/OWNER INSTALLED	TCOC	TEXTURE COATING ON CONCRETE
CFM	COLD FORMED METAL FRAMING			OFF	OFFICE	TC	TRAFFIC COATING
CFT	CORR FLOOR TILE			OFI	OWNER FURNISHED/OWNER INSTALLED	TEL	TELEPHONE
CIP	CAST IN PLACE CONCRETE	GALV	GALVANIZED	OH	OVERHEAD	TEMP	TEMPERED
CJ	CONTROL JOINT	GAL	GALLON	OP	OPERABLE PARTITION	THK	THICKNESS
CKBD	CHALKBOARD	GA	GAUGE	OPH	OPPOSITE HAND	THRES	THRESHOLD
CLG	CEILING	GC	GENERAL CONTRACTOR	OPN	OPENING	TKBD	TACK BOARD
CLR							

PHASE #
DISCIPLINE
SHEET NUMBER

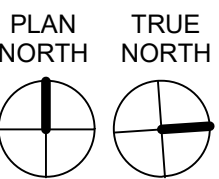
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LEVEL 1 - PHASING PLAN | 1



LEVEL 2 - PHASING PLAN | 2



PHASES

PHASE 1T - B2X & B2Y (TEMP) SCOPE
B2X & B2Y CLEAN ROOMS
UTILITY CHASE
ROOF REPLACEMENT
NEW CHEMICAL DISTRIBUTION AND WASTE TANK BUILDINGS
NEW CHEM SLURRY BUILDING

PHASE 1 - B2X & B2Y SCOPE
B2X & B2Y CLEAN ROOMS PERMANENT MEP CONNECTIONS ONLY
(ALL ARCH. AND CLEAN ROOM SCOPE COMPLETED IN PREVIOUS TEMP PHASE)
MEP CUR
UTILITY CHASE
EXISTING GAS BUNKER
FIRE ALARM UPGRADES

PHASE 2 - B2 SOUTH SCOPE
B2 SOUTH CLEAN ROOMS
NEW LOADING DOCK AND CANOPY
FIRE ALARM UPGRADES

CONSULTANT

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

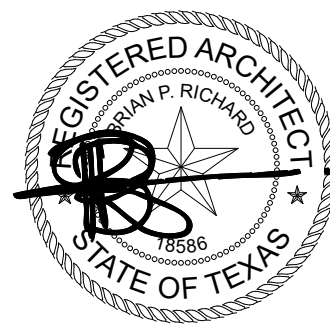
6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

SEAL / SIGNATURE:



08 DECEMBER 2023

ORIGINAL ISSUE DATE

10/18/23
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
10/18/2023		GMP #3 - 100% CD B-2X-B2-Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X-B2-Y CLEANROOMS

PROJECT TITLE:

**MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2**

PROJECT ADDRESS:
10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:
SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

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PHASING PLANS

SHEET NUMBER:

A0.25

DIVISION 4 MASONRY

042000 UNIT MASONRY

CMU-1	Location	Infill at Level 2 windows being removed
	Color / Texture	Match Existing
	Size	Match Existing
	Pattern	4" Scored Split Face CMU
CMU-2	Location	Infill at Level 1 doors and windows being removed, New Gas Bunker
	Color / Texture	Match Existing
	Size	Match Existing
	Pattern	4" Ribbed CMU
CMU-3	Location	Infill at wall openings that will be concealed
	Color / Texture	Plain Grey Utility Block
	Size	Match Existing

DIVISION 5 METALS

050510 METAL FINISHES

MF-1	Type	Fluoropolymer (PVDF)
	Product	Fluorpon Classic II
	Coat	2 coat
	Color	TBD
	Locations	Metal Wall Panels
MF-2	Type	MFG Prime coat for Painted finish
	Manufacturer	Varies
	Color	TBD
	Locations	Louvers, Doors, OH Doors

DIVISION 6 WOODS PLASTICS AND COMPOSITES

068200 GLASS-FIBER REINFORCED PLASTIC

WR-1	Manufacturer	As specified
	Product	As specified
	Thickness	As specified
	Height	8'-0"
	Finish	To be selected by Architect
	Locations	As shown on IF Plans

DIVISION 7 THERMAL

072100 THERMAL INSULATION (A/BE)

IN-1	Type	Polyisocyanurate
	Location	Roof
	R-Value	30
	Remarks	See Roofing drawings and specs for more info
IN-2	Type	Glass-fiber blanket
	Location	In between metal stud framing at exterior walls
	R-Value	19
IN-3	Type	Mineral-wool semi-rigid
	Location	Continuous insulation at metal panels
	R-Value	6.5

074113 SYMMETRICAL METAL ROOF PANELS (BE)

MFSS-1	Manufacturer	McElroy Metal
	Product	238T Standing Seam System
	Finish	Color to be selected by Architect
	Remarks	See Roofing drawings and specs for more info

074140 METAL WALL PANELS (BE)

MWP-1	Manufacturer	McElroy Metal
	Product	238T Standing Seam System
	Finish	Color to be selected by Architect
	Remarks	See Roofing drawings and specs for more info

074213.13 FORMED METAL WALL PANELS

FMWP-1	Manufacturer	Centria
	Product	Formed Metal Rainscreen Panel
	Profile	CS 260 Series
	Panel Width (Inches)	36"
	Panel Thickness (Guage)	22 GA
	Material	Steel
	Finish	Light Gray (Color to be selected by Architect)
	Remarks	Run Vertically
FMWP-2	Manufacturer	Centria
	Product	Formed Metal Rainscreen Panel
	Profile	CS 260 Series
	Panel Width (Inches)	12"
	Panel Thickness (Guage)	22 GA
	Material	Steel
	Finish	Dark Gray (Color to be selected by Architect)
	Remarks	Run Vertically

077200 ROOF ACCESSORIES (BE)

RR-1	Description	Ballasted Roof Rail
	Manufacturer	Garlock
	Product	RailGuard 200
	Size	42" High
	Material	As specified
	Finish	TBD (Color to be selected by Architect)

079500 EXPANSION JOINT

EJ-1	Description	Roof to Wall
	Manufacturer	Watson Bowman
	Product	Wabo Flash ECF

EJ-2	Description	Floor to Wall
	Manufacturer	Watson Bowman
	Product	Wabo Compreson Seal WE 100
EJ-3	Description	Floor to Floor
	Manufacturer	Watson Bowman
	Product	Wabo Hinge mount HDH 200

DIVISION 8 DOORS AND WINDOWS

083323 OVERHEAD COILING DOORS

OCD-1	Overhead Coiling Door Refer to Basis of Design listed in specifications	
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DIVISION 9 FINISHES

096116 CONCRETE FLOOR SEALER

CFS-1	Manufacturer	Dayton Superior
	Product	Day-Chem Sure Hard (J-17)
	Strip Curing Compound	Citrus Peel (J-48)
	Color	Clear
	Location	Stair, Back of House areas, as noted on IF Plans

096513 RESILIENT BASE AND ACCESSORIES

RBA-1	Description	Base
	Manufacturer	To Match Existing
	Product	To Match Existing
	Color	To Match Existing
	Size	6"
	Style / Profile	Cove
	Material Type	TS - Rubber,thermoset
	Location	Base of all painted /exposed drywall partitions

099100 PAINT

*Refer to specifications for paint type to be used for each substrate type.
General Note: All gypsum walls to be level 4 finish unless noted otherwise in schedule below.

PT-1	Manufacturer/Color No.	Sherwin Williams / Color to Match Existing (Interior Walls)
	Sheen	Eggshell - Satin at Walls; Semi-Gloss at Doors
	Gypsum Level	Level 4
	Remarks	To be used at interior walls and doors, U.N.O.
PT-2	Manufacturer/Color No.	Sherwin Williams / Color to Match Existing (Black)
	Sheen	Semi-Gloss
	Gypsum Level	N/A
	Remarks	To be used at all interior door frames
PT-3	Manufacturer/Color No.	Sherwin Williams / Color TBD (Medium Gray)
	Sheen	Semi-Gloss
	Gypsum Level	N/A
	Remarks	To be used at all exterior doors and frames, exposed columns, railings, metal fabrications

099140 SILICONE WATERPROOF BARRIER

WR-1	Manufacturer	GE Silicones
	Product	As Specified
	Finish	Translucent

DIVISION 10 SPECIALTIES

102600 WALL AND DOOR PROTECTION

WP-1	Description	Corner Guards
	Manufacturer	As specified
	Product / Model No.	As specified
	Finish 1	Stainless Steel
	Size	4 Feet High
	Thickness	As specified

104416 FIRE EXTINGUISHERS

FE-1	Description	Multi-Purpose Chemical (Class A,B,C Fires)
	Manufacturer	JL Industries
	Model No.	Cosmic 10E
	U/L Rating	4A-80BC
	Mounting	FE in Utility Corridors are bracket mounted- no cabinet
	Locations	Mechanical, Utility Corridors, Dock

FE-2	Description	Class B C Flamable liquids and Electrical fires
	Manufacturer	Amerex
	Model No.	Amerex 330 10 # Carbon Dioxide
	U/L Rating	20-B:C
	Mounting	As specified/noted on drawings
	Locations	Clean Room Labs

DIVISION 13 SPECIAL CONSTRUCTION

136965 STATIC-CONTROL RESILIENT FLOORING (CR)

SCRFF-1	Description	Static-control resilient tile flooring for cleanrooms
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings/IF Plans

136996 CLEANROOM HIGH-PERFORMANCE COATINGS (CR)

SC-01	Description	Chemical Resistant Epoxy Floor System
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

SC-02	Description	Trench & Secondary Containment Coating
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

SC-03	Description	Water-Based Epoxy Coating for Gypsum Board Substrates
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

SC-04	Description	Epoxy Coating System for use on Ferrous Metal
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

SC-05	Description	Epoxy Coating System for Embedded Steel Channels and Other Ferrous Metal Within Concrete Trenches and Containment Areas
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

SC-06	Description	Epoxy Coating System for CMU
	Manufacturer	As specified
	Product	As specified
	Color	As specified
	Thickness	As specified
	Size	As specified
	Location	As noted on CR drawings

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

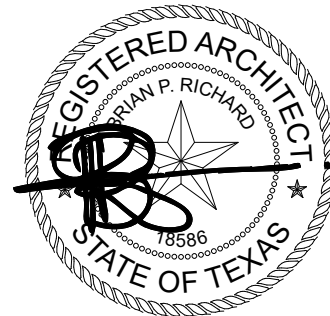
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kirksey.com

SEAL / SIGNATURE:



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	12/08/2023	GMP #3 - BULLETIN 01 B2-X-B2-Y CLEANROOMS

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PHASE B-2

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PMCS PROJECT MANAGER:

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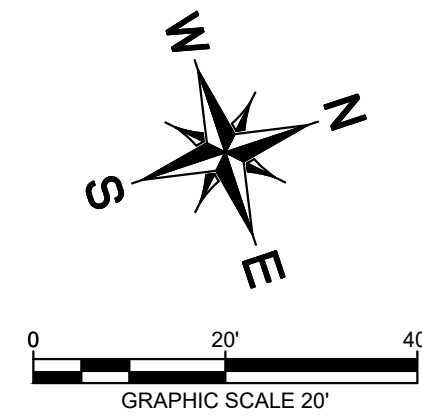
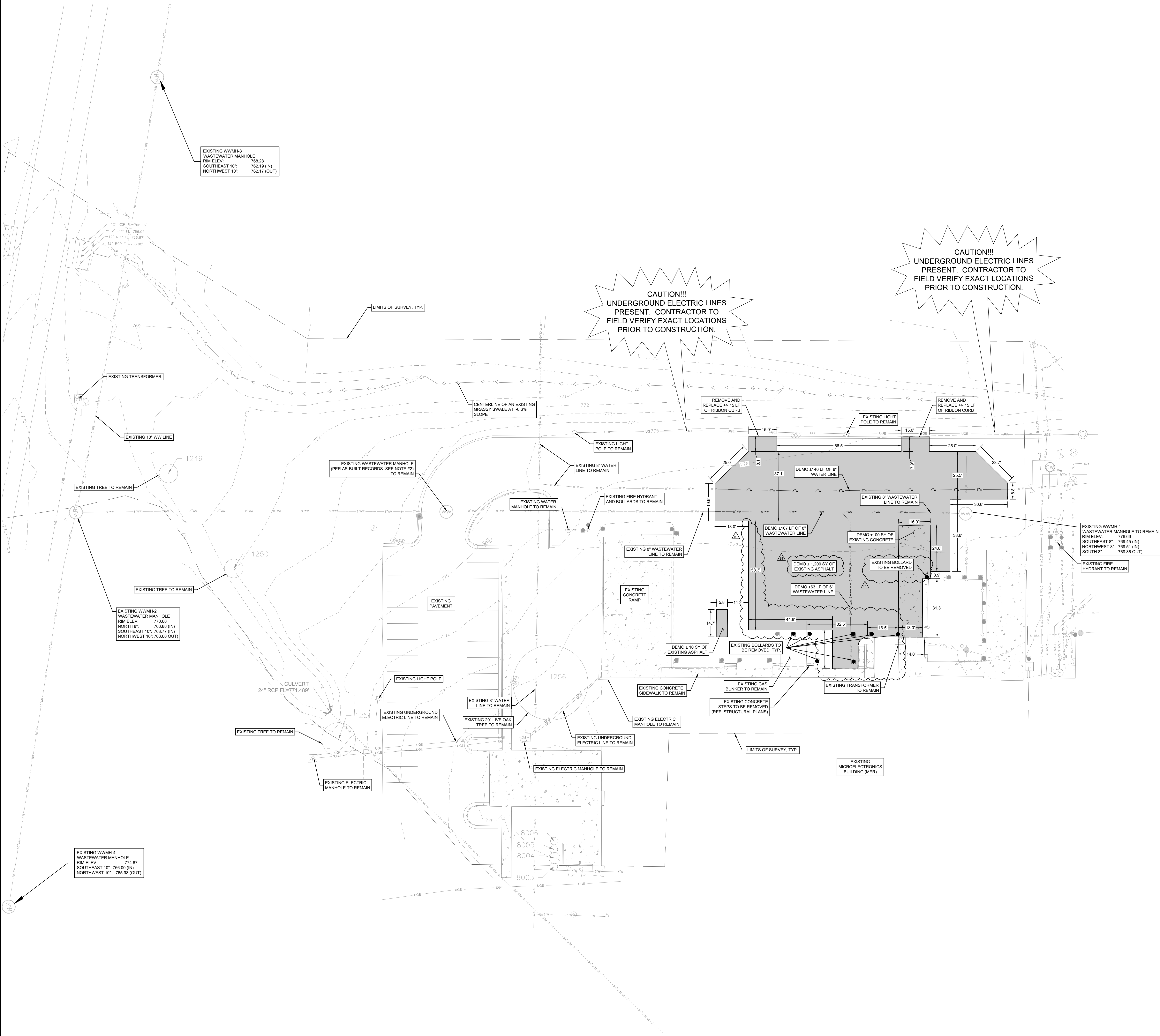
102-1400

SHEET TITLE:

MASTER SCHEDULE

SHEET NUMBER:

A0.70



LEGEND

- LIMITS OF SURVEY
- - - EXISTING EASEMENT
- - - UGE EXISTING UNDERGROUND ELECTRIC LINE
- - - W EXISTING WATER LINE
- - - WW EXISTING SANITARY SEWER LINE
- ☼ EXISTING POWER POLE
- ☼ EXISTING LIGHT POLE
- ☼ EXISTING FIRE HYDRANT
- ☼ EXISTING WATER METER
- ☼ EXISTING WATER VALVE
- ☼ EXISTING SANITARY SEWER MANHOLE
- - - EXISTING CONTOUR
- EXISTING TREE TO REMAIN
- LIMITS OF DEMOLITION
- Ⓜ EXISTING WATER VAULT
- Ⓛ EXISTING ELECTRIC INFRASTRUCTURE
- Ⓟ EXISTING ELECTRIC PULL BOX
- Ⓜ EXISTING WATER METER
- EXISTING BOLLARD

NOTES:

1. THE TREE, TOPOGRAPHIC, AND SUE SURVEYS WERE PERFORMED BY SAM, INC. ON 4/13/2023.
2. ACCORDING TO RECORDS, THERE IS A WASTEWATER MANHOLE IN THIS AREA, HOWEVER, SAM LLC BELIEVES IT TO BE PAVED OVER. WHILE IT IS NOT VISIBLE IN THE FIELD, SAM LLC LOCATED A POSSIBLE LOCATION FOR IT AS SHOWN IN PLAN VIEW.
3. NO DEMOLITION SHALL OCCUR UNTIL A PRE-CONSTRUCTION MEETING IS HELD WITH THE ENVIRONMENTAL INSPECTOR.
4. LOCATIONS OF PUBLIC AND FRANCHISE UTILITIES SHOWN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL CALL TEXAS 811 (1-800-344-8377) AT LEAST 48 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE TEXAS811 PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR ANY DAMAGE DONE TO THESE FACILITIES.
5. IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED THE OWNER SHALL BE NOTIFIED. THOSE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A MANNER APPROVED BY ALL GOVERNING AGENCIES AND IN A LANDFILL OR DISPOSAL FACILITY LICENSED TO ACCEPT HAZARDOUS MATERIAL.
6. CONTRACTOR TO VERIFY VERTICAL CLEARANCE OF OVERHEAD ELECTRICAL LINES PRIOR TO CONSTRUCTION. MINIMUM CLEARANCE OF 14' IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL OF EXISTING PAVEMENT SECTION, STRUCTURAL SUBGRADE, STRUCTURAL FOUNDATION, AND UTILITIES WITHIN THE SITE. CONTRACTOR TO DISPOSE ALL DEMOLITION SPOILS OFF-SITE IN A LEGAL MANNER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES, IRRIGATION LINES, PAVEMENT, ETC., TO REMAIN RESULTING FROM DEMOLITION ACTIVITIES AND REPAIR AT HIS OWN EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
8. ALL ITEMS TO BE REMOVED SHALL BE DISPOSED OFF-SITE IN A MANNER ACCEPTABLE TO ALL APPLICABLE REGULATIONS.
9. PERIMETER EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO DEMOLITION. REFERENCE EROSION CONTROL PLAN AND DETAILS FOR TYPE AND LOCATION.
10. CONTRACTOR TO REMOVE ANY EXISTING ONSITE DEBRIS OR TRASH. (TIRES, CONCRETE PADS, ETC.)
11. PRIOR TO REMOVAL OF ANY EXISTING FACILITIES, CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH ADJACENT PROPERTY OWNERS AND TENANTS TO REVIEW PLANS AND CONSTRUCTION ACTIVITIES. COORDINATE WITH THE UNIVERSITY OF TEXAS.
12. ALL DISTURBED AREAS NOT SUBJECT TO MASS GRADING SHALL BE GRADED TO DRAIN.
13. THIS PROJECT IS LOCATED IN THE EDWARDS AQUIFER TRANSITION ZONE WITH SPECIFIC ADDITIONAL REQUIREMENTS.

SEAL / SIGNATURE:



04/07/23 ORIGINAL ISSUE DATE 12/08/23 SHEET ISSUE DATE

ISSUE LOG

NO.	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - 100% CD B-2X-B-2Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B-2X-B-2Y CLEANROOMS

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EXPANSION
PHASE B-2

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PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

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CENTER



TEXAS

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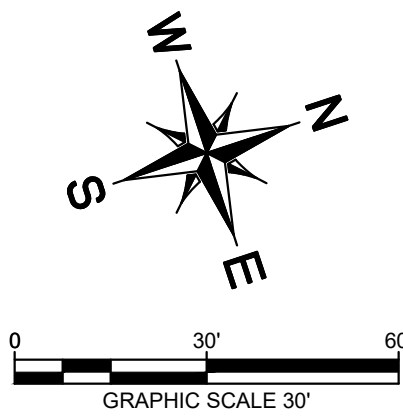
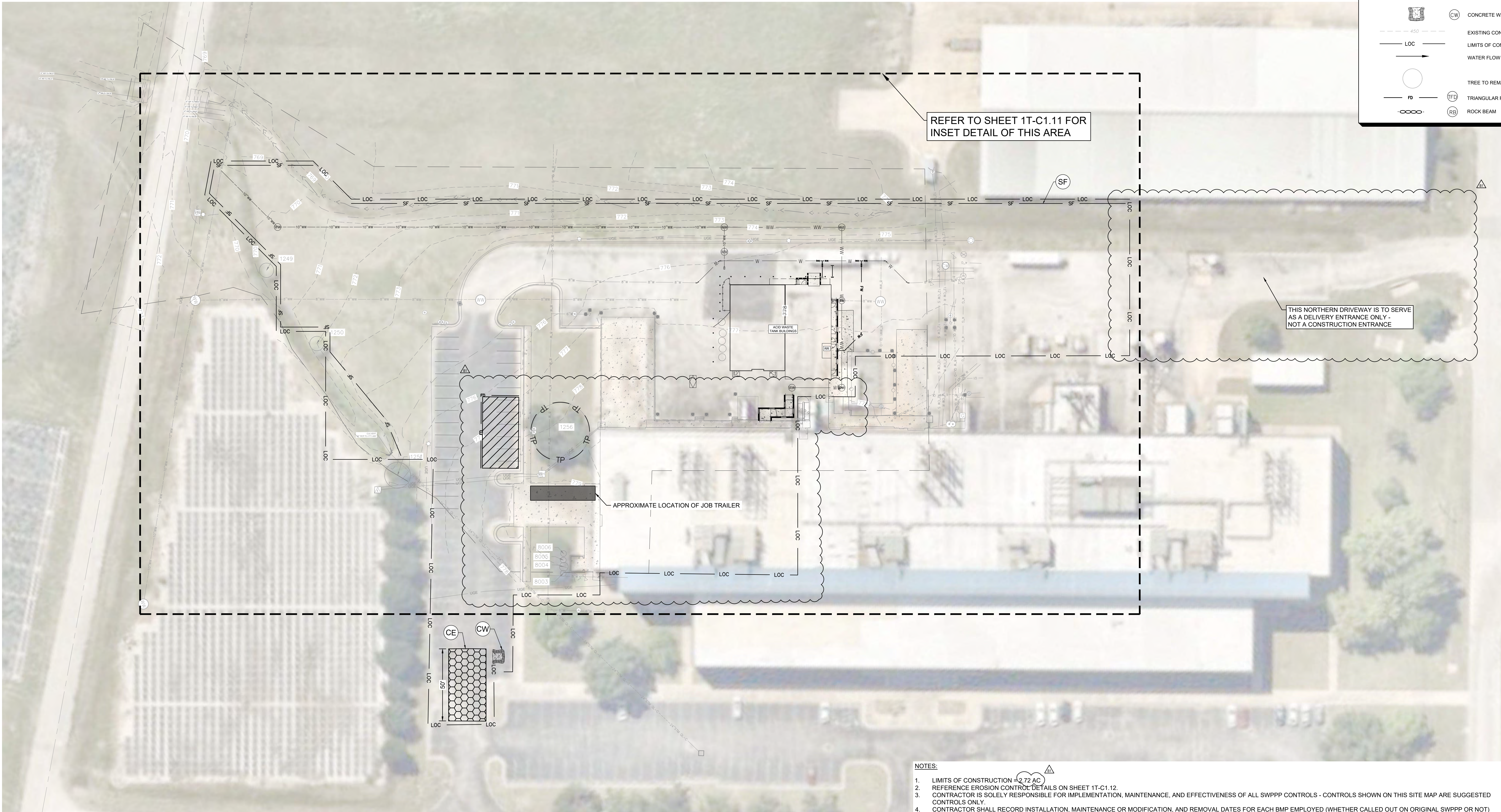
102-1400

SHEET TITLE:

EXISTING CONDITIONS AND
DEMO PLAN - B2X & B2Y
(TEMP)

SHEET NUMBER:

1T-C1.00



LEGEND

- SURVEY LIMITS
- SF — SILT FENCE
- TP — TREE PROTECTION
- CE STABILIZED CONSTRUCTION ENTRANCE
- SA EQUIPMENT & MATERIAL STAGING AREA
- CW CONCRETE WASHOUT AREA
- 450 --- EXISTING CONTOURS
- LOC — LIMITS OF CONSTRUCTION
- WATER FLOW ARROWS
- TREE TO REMAIN
- FD TRIANGULAR FILTER DIKE
- ITD TRIANGULAR FILTER DIKE
- RB ROCK BEAM

REFER TO SHEET 1T-C1.11 FOR
INSET DETAIL OF THIS AREA

THIS NORTHERN DRIVEWAY IS TO SERVE
AS A DELIVERY ENTRANCE ONLY -
NOT A CONSTRUCTION ENTRANCE

APPROXIMATE LOCATION OF JOB TRAILER

NOTES:

1. LIMITS OF CONSTRUCTION - 2.72 AC
2. REFERENCE EROSION CONTROL DETAILS ON SHEET 1T-C1.12.
3. CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
4. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
5. THE ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN & UT EHS DEPARTMENT RULES AND REGULATIONS
6. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURE DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D) OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
7. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
8. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
9. IN THE EVENT OF INCLEMENT WEATHER THAT MAY RESULT IN A FLOODING SITUATION, THE CONTRACTOR SHALL REMOVE INLET PROTECTION MEASURES UNTIL SUCH TIME AS THE WEATHER EVENT HAS PASSED.
10. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING [ECM 1.4.4.B.3, SECTION 5.1]. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY [ECM 1.4.4.D.4].
11. CONTRACTOR TO REVEGETATE/STABILIZE ALL DISTURBED SOIL.
12. SEE LANDSCAPE ARCHITECT PLANS FOR TREE PRESERVATION PLAN AND TREE LIST.
13. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE A DAY.
14. THE STAGING AND SPOILS AREAS SHALL ONLY BE ALLOWED DURING THE CONSTRUCTION PERIOD. NO SPOILS SHALL REMAIN AFTER COMPLETION OF THE PROJECT.
15. STOCKPILES WILL NEED TO BE TEMPORARILY STABILIZED IF KEPT ON-SITE LONGER THAN 14 DAYS.
16. ALL DISTURBED AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES. ALL DISTURBED AREAS WITH SLOPES 4:1 OR STEEPER, WHICH ARE NOT ARMORED OTHERWISE, SHALL HAVE A SOIL RETENTION BLANKET (CURLLEX II OR APPROVED EQUAL) INSTALLED TO ASSIST WITH REVEGETATION.
17. CONSTRUCTION CAN NOT START WITHOUT AN APPROVED SWPPP.
18. TREE PROTECTION FENCING SHALL BE INSTALLED AND ENCOMPASS THE ENTIRE AREA OF FULL CRITICAL ROOT ZONE (CRZ) PRIOR TO ANY CONSTRUCTION ACTIVITIES INCLUDING MATERIAL STORAGE, UTILITY WORK, INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES OR GRADING.
19. EROSION OR SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED AND MAINTAINED IN A MANNER THAT DOES NOT RESULT IN CUTS OR DAMAGE TO TREE ROOTS AND SHALL NOT RESULT IN SOIL BUILDUP WITHIN CRZ.
20. CONTRACTOR SHALL FOLLOW ALL GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN TREE PROTECTION ZONE. REFER TO TECHNICAL SPECIFICATION SECTION 01 56 39.

SEAL / SIGNATURE:



04/07/23 ORIGINAL ISSUE DATE 12/08/23 SHEET ISSUE DATE

ISSUE LOG

NO.	DATE	DESCRIPTION
10/18/2023		GMP #3 - 100% CD B-2X+B-2Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B-2X+B-2Y CLEANROOMS

PROJECT TITLE:

MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CARTAL PROJECT NUMBER:

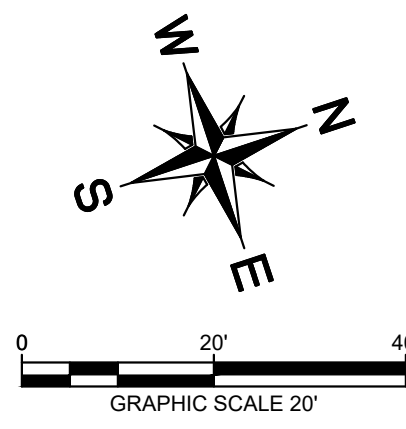
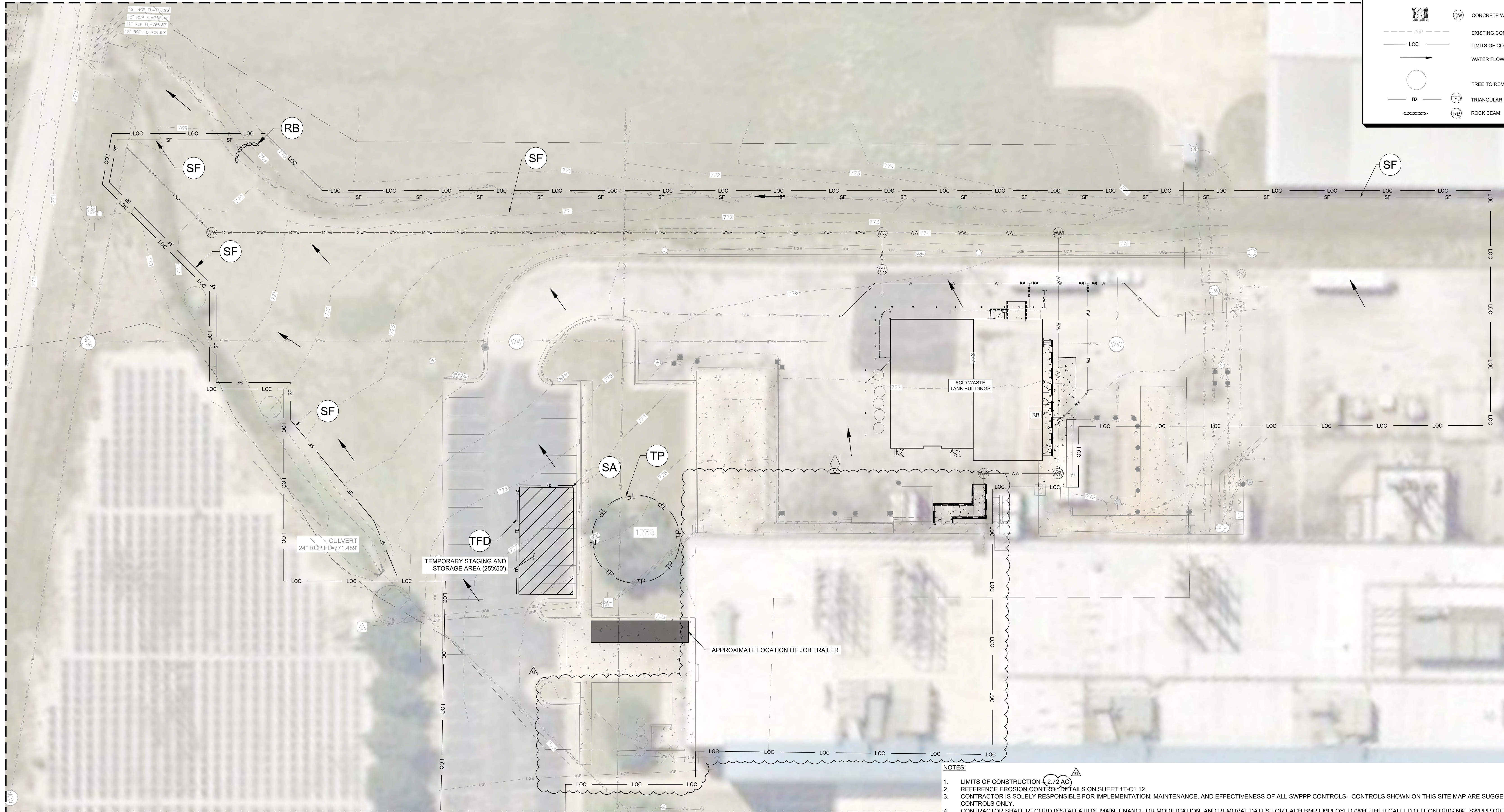
102-1400

SHEET TITLE:

EROSION CONTROL
PLAN (SHEET 1 OF 2) -
B2X & B2Y (TEMP)

SHEET NUMBER:

1T-C1.10



LEGEND	
—	SURVEY LIMITS
— SF —	SILT FENCE
— TP —	TREE PROTECTION
	CE STABILIZED CONSTRUCTION ENTRANCE
	SA EQUIPMENT & MATERIAL STAGING AREA
	CW CONCRETE WASHOUT AREA
— 450 —	EXISTING CONTOURS
— LOC —	LIMITS OF CONSTRUCTION
	WATER FLOW ARROWS
	TREE TO REMAIN
— TFD —	TRIANGULAR FILTER DIKE
	RB ROCK BEAM

NOTES:

1. LIMITS OF CONSTRUCTION (2.72 AC)
2. REFERENCE EROSION CONTROL DETAILS ON SHEET 1T-C1.12.
3. CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL SWPPP CONTROLS - CONTROLS SHOWN ON THIS SITE MAP ARE SUGGESTED CONTROLS ONLY.
4. CONTRACTOR SHALL RECORD INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL DATES FOR EACH BMP EMPLOYED (WHETHER CALLED OUT ON ORIGINAL SWPPP OR NOT) DIRECTLY ON THE SITE MAP.
5. THE ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN & UT EHS DEPARTMENT RULES AND REGULATIONS.
6. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURE DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D) OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
7. TEMPORARY AND PERMANENT STABILIZATION PRACTICES AND BMP'S SHALL BE INSTALLED AT THE EARLIEST POSSIBLE TIME DURING THE CONSTRUCTION SEQUENCE. AS AN EXAMPLE, PERIMETER SILT FENCE SHALL BE INSTALLED BEFORE COMMENCEMENT OF ANY GRADING ACTIVITIES. OTHER BMP'S SHALL BE INSTALLED AS SOON AS PRACTICABLE AND SHALL BE MAINTAINED UNTIL FINAL SITE STABILIZATION IS ATTAINED. CONTRACTOR SHALL ALSO REFERENCE CIVIL AND LANDSCAPE PLANS SINCE PERMANENT STABILIZATION IS PROVIDED BY LANDSCAPING, THE BUILDING(S), AND SITE PAVING.
8. BMP'S HAVE BEEN LOCATED AS INDICATED ON THIS PLAN IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN ORDER TO MINIMIZE SEDIMENT TRANSFER. FOR EXAMPLE: SILT FENCES LOCATED AT TOE OF SLOPE AND INLET PROTECTION FOR INLETS RECEIVING SEDIMENT FROM SITE RUN-OFF.
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10. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING [ECM 1.4.4.B.3, SECTION 5, 1]. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY [ECM 1.4.4.D.4].
11. CONTRACTOR TO REVEGETATE/STABILIZE ALL DISTURBED SOIL.
12. SEE LANDSCAPE ARCHITECT PLANS FOR TREE PRESERVATION PLAN AND TREE LIST.
13. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE A DAY.
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18. TREE PROTECTION FENCING SHALL BE INSTALLED AND ENCOMPASS THE ENTIRE AREA OF FULL CRITICAL ROOT ZONE (CRZ) PRIOR TO ANY CONSTRUCTION ACTIVITIES INCLUDING MATERIAL STORAGE, UTILITY WORK, INSTALLATION OF TEMPORARY CONSTRUCTION FACILITIES OR GRADING.
19. EROSION OR SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED AND MAINTAINED IN A MANNER THAT DOES NOT RESULT IN CUTS OR DAMAGE TO TREE ROOTS AND SHALL NOT RESULT IN SOIL BUILDUP WITHIN CRZ.
20. CONTRACTOR SHALL FOLLOW ALL GENERAL REQUIREMENTS AND LIMITATIONS FOR OPERATIONS WITHIN TREE PROTECTION ZONE. REFER TO TECHNICAL SPECIFICATION SECTION 01 56 39.

FOR OFFICIAL USE ON THIS UNIVERSITY OF TEXAS AT AUSTIN PROJECT ONLY

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas
6909 Portwest Drive
Houston Texas 77024
713 850 9600
kirksey.com

Kimley»Horn

10814 JOLLYVILLE ROAD AVALON IV
SUITE 200 AUSTIN, TX 78759
PHONE: 512-418-1771
FAX: 512-418-1791
WWW.KIMLEY-HORN.COM
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TBPE Firm No. 928

SEAL / SIGNATURE:



04/07/23
ORIGINAL ISSUE DATE

12/08/23
SHEET ISSUE DATE

ISSUE LOG

NO.	DATE	DESCRIPTION
10	10/18/2023	GMP #3 - 100% CD B-2X+B-2Y CLEANROOMS
B1	12/08/2023	GMP #3 - BULLETIN 01 B-2X+B-2Y CLEANROOMS

PROJECT TITLE:

MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PNCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

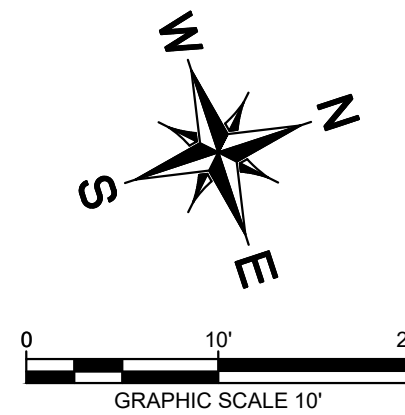
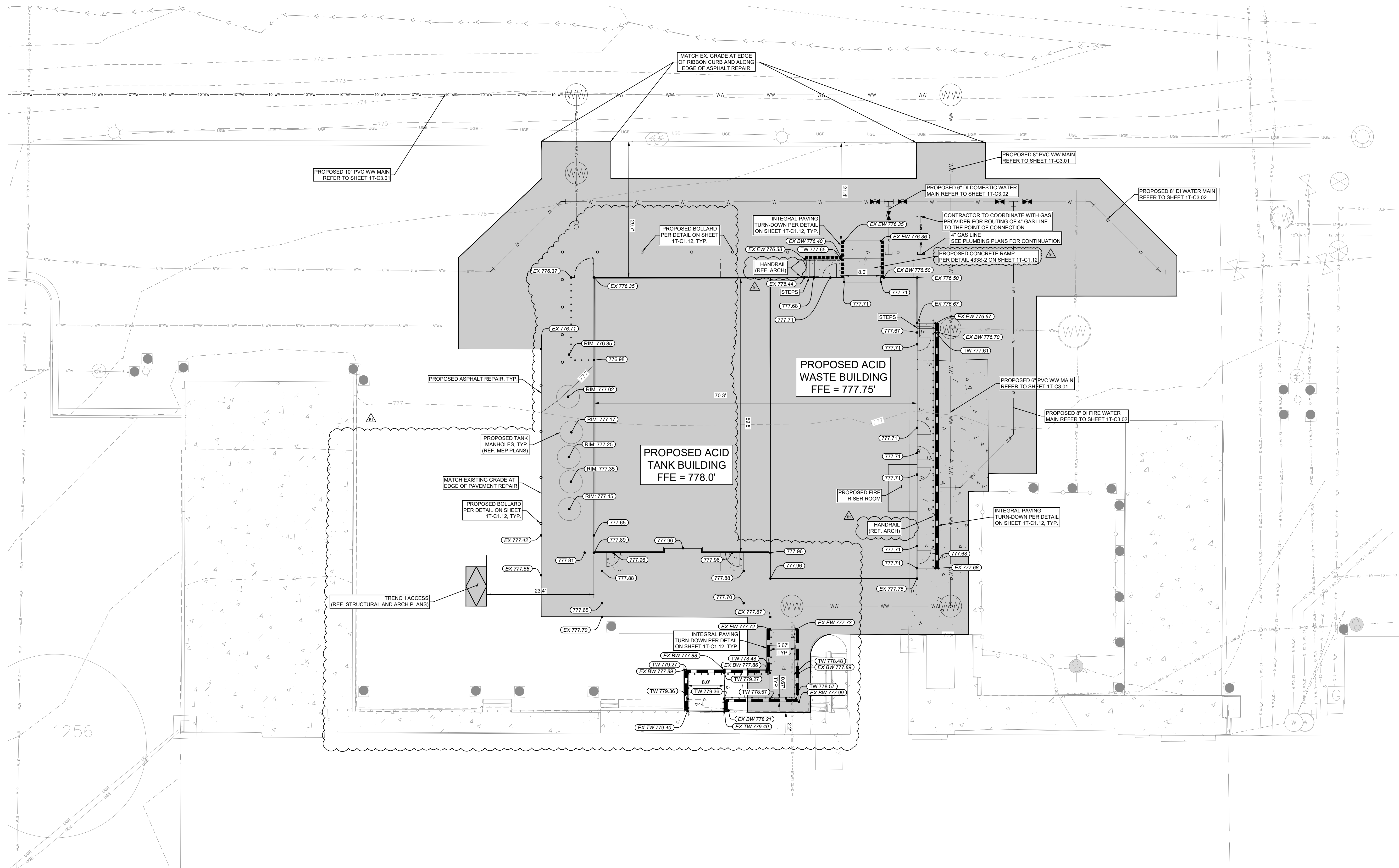
102-1400

SHEET TITLE:

EROSION CONTROL
PLAN (SHEET 2 OF 2) -
B2X & B2Y (TEMP)

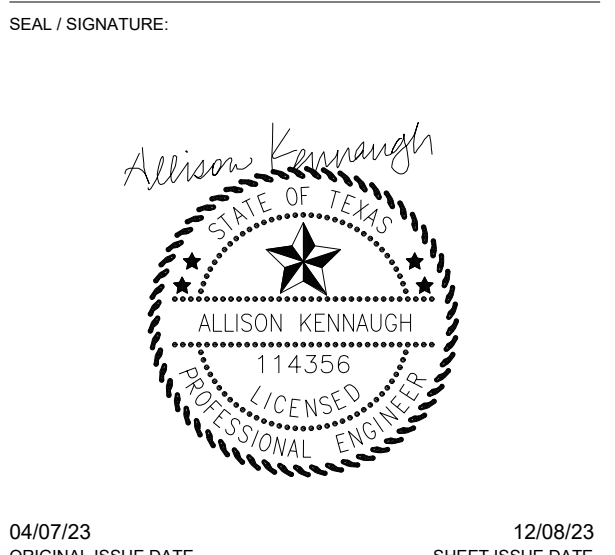
SHEET NUMBER:

1T-C1.11



LEGEND	
	SURVEY LIMITS
	PROPOSED WASTEWATER LINE
	PROPOSED WATER LINE
	PROPOSED WASTEWATER MANHOLE
	PROPOSED WASTEWATER CLEANOUT
	PROPOSED WATER VALVE
	PROPOSED TOP OF PAVEMENT ELEVATION
	EXISTING TOP OF PAVEMENT ELEVATION
	PROPOSED BOTTOM OF WALL
	PROPOSED INTEGRAL PAVING TURN-DOWN (SEE DETAIL ON SHEET 1T-C1.12)
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED PAVEMENT REPAIR LIMITS

- NOTES:
- THE TREE, TOPOGRAPHIC, AND SUE SURVEYS WERE PERFORMED BY SAM, INC. ON 4/13/2023. NO WARRANTY IS EXPRESSED OR IMPLIED AS TO THEIR ACCURACY. ALL FIRE DEPARTMENT ACCESS DRIVES/ROADS TO HAVE A MINIMUM 14' VERTICAL CLEARANCE.
 - ESTABLISH FIRE ZONES AS SHOWN ON SITE BY PAINTING CURB RED. STENCIL THE WORDS "FIRE ZONE/TOW-AWAY ZONE" IN WHITE LETTERS AT LEAST 3 INCHES HIGH AT 35-FOOT INTERVALS ALONG THE CURB. ALSO SIGNS SHALL BE POSTED AT BOTH ENDS OF A FIRE ZONE. ALTERNATE MARKING OF THE FIRE LANES MAY BE APPROVED BY THE FIRE CHIEF PROVIDED THE FIRE LANES ARE CLEARLY IDENTIFIED AT BOTH ENDS AND AT INTERVALS NOT TO EXCEED 35 FEET. SEC. 801.4.2
 - WARNING SIGNS ARE REQUIRED TO BE PLACED UNDER THE OVERHEAD ELECTRIC LINES TO MAKE ALL PERSONNEL AWARE OF THE ELECTRIC HAZARD. CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - ALL RAMP TO BE 3' UNLESS OTHERWISE NOTED.
 - SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP.
 - THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM RISE FOR ANY RAMP RUN IS 30 IN.
 - ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50.
 - GROUND SURFACES ALONG ACCESSIBLE ROUTES MUST BE STABLE, FIRM, AND SLIP RESISTANT.
 - CONTRACTOR TO VERIFY A.D.A. COMPLIANCE FOR GRADES IN ALL SIDEWALK ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. STANDARDS. NOT EXCEED 5.0% ALONG TRAVEL PATH WITH NOT MORE THAN 2.0% CROSS SLOPE AND NOT EXCEED 2.0% IN ANY DIRECTION IN ACCESSIBLE PARKING AREAS.
 - ALL LANDSCAPED AREAS ARE TO BE PROTECTED BY SIX INCH WHEEL CURBS, WHEELSTOPS, OR OTHER APPROVED BARRIERS AS PER EGM 2.4.7.
 - ALL PROPOSED ELEVATIONS ARE TOP-OF PAVEMENT OR NATURAL GROUND UNLESS OTHERWISE NOTED.
 - ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM.



ISSUE LOG		
NO.	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - 100% CD B-2X-B-2Y CLEANROOMS GMP #3 - BULLETIN 01 B-2X-B-2Y CLEANROOMS

PROJECT TITLE:

MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2

PROJECT ADDRESS:
10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:
SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:
MICROELECTRONICS RESEARCH
CENTER

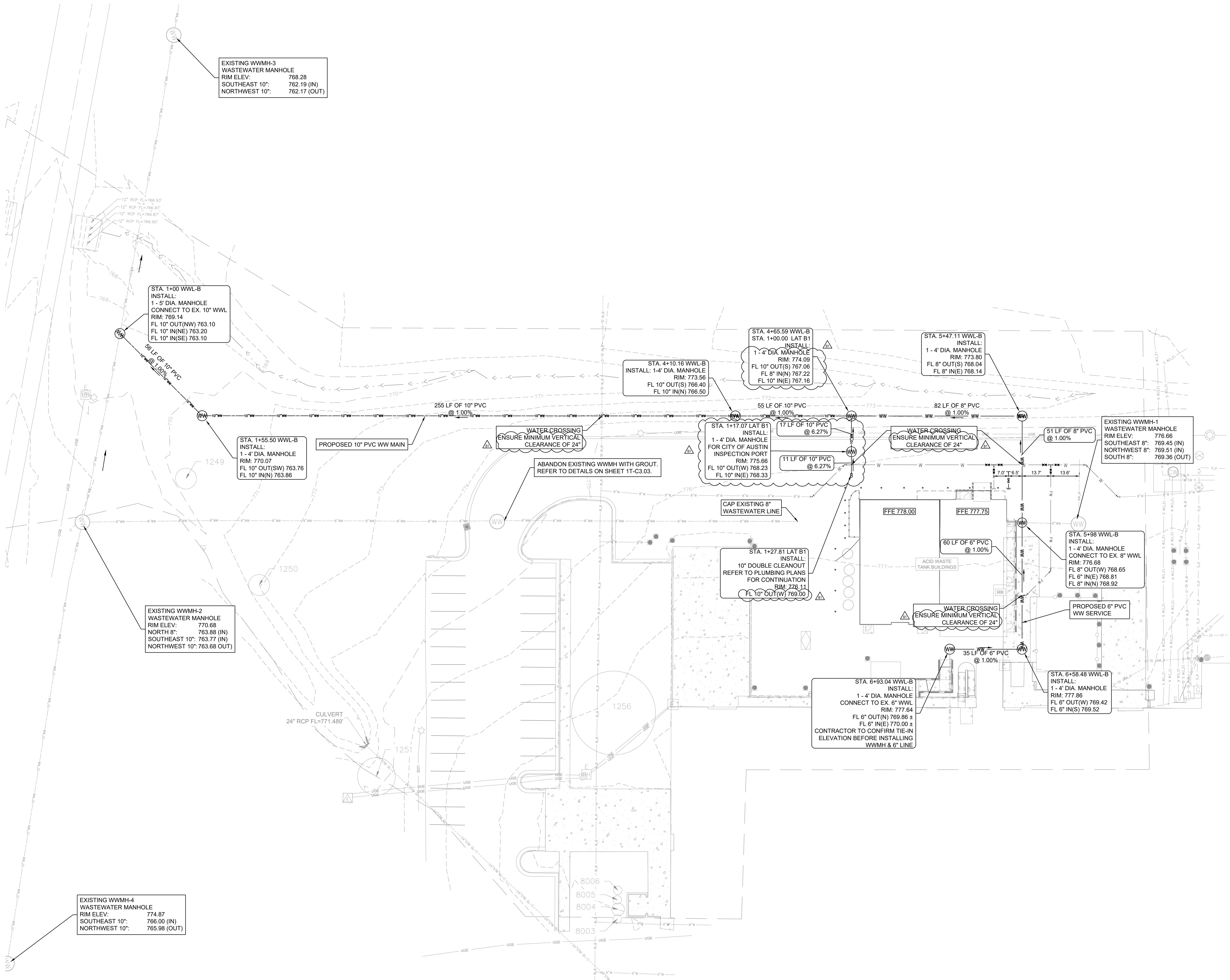


BUILDING ABBREVIATION - NUMBER:
MER

CAPITAL PROJECT NUMBER:
102-1400

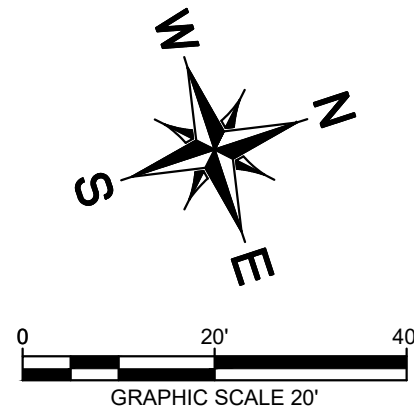
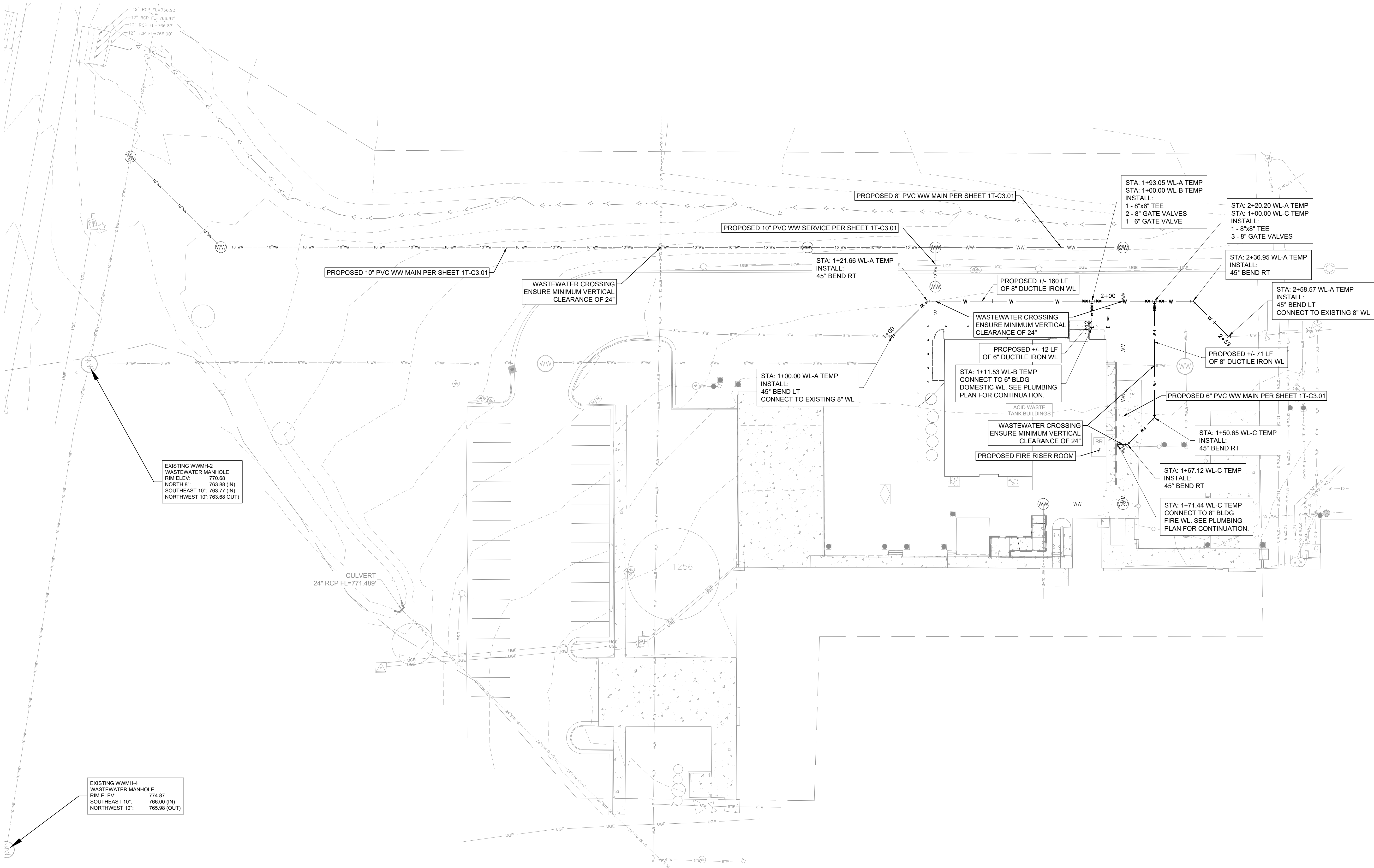
SHEET TITLE:
OVERALL SITE,
GRADING & DIMENSION
PLAN - B2X & B2Y (TEMP)

SHEET NUMBER:
1T-C2.00



LEGEND	
	SURVEY LIMITS
	PROPOSED WATER LINE
	PROPOSED WATER MANHOLE
	WASTEWATER CLEANOUT
	PROPOSED WATER LINE
	WASTEWATER FLOW DIRECTION
	PROPOSED TAPPING SLEEVE & VALVE
	EXISTING OVERHEAD POWER LINE
	EXISTING WATER LINE
	EXISTING WASTEWATER LINE
	EXISTING STORM SEWER LINE
	EXISTING POWER POLE
	EXISTING FIRE HYDRANT
	EXISTING WATER METER
	EXISTING WASTEWATER MANHOLE
	EXISTING WATER MANHOLE

- NOTES:
- REFER TO UNDERGROUND PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
 - ALL VALVES, MANHOLES, AND CLEANOUTS WITHIN PAVED AREAS SHALL HAVE HEAVY-DUTY TRAFFIC BEARING CASTINGS AND COVERS. ALL PRIVATE DOMESTIC WATER AND WASTEWATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (2021 EDITION).
 - 12 GAUGE TRACER WIRE TO BE INSTALLED ABOVE ALL NON-METALLIC WATER LINES.
 - PRIVATE WASTEWATER LINES SHALL CROSS UNDER PRIVATE WATER LINES WITH AT LEAST 1' OF VERTICAL SEPARATION MEASURED FROM THE OUTSIDE DIAMETER.
 - PRIVATE WASTEWATER LINES SHALL MAINTAIN AT LEAST 5' OF HORIZONTAL CLEARANCE FROM PRIVATE WATER LINES.
 - ALL PRIVATE WASTEWATER LINES SHALL BE SDR-35 ASTM D3034 UNLESS OTHERWISE NOTED.
 - ALL BUILDING SERVICES SHALL TERMINATE WITH A DOUBLE CLEANOUT PER DETAIL ON SHEET 1T-C3.03.
 - VERTICAL SEPARATION: PRIVATE WASTEWATER LINES SHALL CROSS UNDER PRIVATE WATER LINES WITH AT LEAST 2' OF VERTICAL SEPARATION MEASURED FROM THE OUTSIDE DIAMETER (TCEC SEC. 217.53).
 - HORIZONTAL SEPARATION: PRIVATE WATER LINES MUST BE LOCATED AT LEAST 9' AWAY FROM ALL WATER SUPPLY PIPES (TCEC SEC. 217.53).
 - REFER TO PLUMBING PLANS FOR LOCATIONS OF DRY UTILITIES.



LEGEND

—	SURVEY LIMITS
— WW —	PROPOSED WATER LINE
⊙	PROPOSED WATER MANHOLE
— W —	WASTEWATER CLEAOUT
— W —	PROPOSED WATER LINE
⊙	PROPOSED FIRE HYDRANT
— FW —	PROPOSED FIRE WATER LINE
— DW —	PROPOSED DOMESTIC WATER LINE
—	EXISTING OVERHEAD POWER LINE
— W —	EXISTING WATER LINE
— WW —	EXISTING WASTEWATER LINE
—	EXISTING STORM SEWER LINE
⊙	EXISTING POWER POLE
⊙	EXISTING FIRE HYDRANT
⊙	EXISTING WATER METER
⊙	EXISTING WASTEWATER MANHOLE
⊙	EXISTING WATER MANHOLE

NOTES:

- ALL PROPOSED PRIVATE WATER PIPE SHALL BE DUCTILE IRON CL350 WITH EXTERNAL FULLY RESTRAINED JOINTS UNLESS OTHERWISE NOTED. PER DIRECTION OF THE UNIVERSITY.
- REFER TO UNDERGROUND PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- FIRE HYDRANTS: THE FIRE HYDRANTS ARE CONSIDERED "PRIVATE" AND ARE NOT MAINTAINED BY AUSTIN WATER UTILITY. IT IS THE RESPONSIBILITY OF THE LAND OWNER TO PROVIDE FIRE HYDRANT MAINTENANCE.
- ALL POTABLE WATER SYSTEM COMPONENTS INSTALLED AFTER JANUARY 4, 2014, SHALL BE ESSENTIALLY "LEAD FREE" ACCORDING TO THE US SAFE DRINKING WATER ACT. EXAMPLES ARE VALVES (CORPORATION STOP, CURB STOP AND PRESSURE REDUCING), NIBBLES, BUSHINGS, PIPE, FITTINGS AND BACKFLOW PREVENTORS. FIRE HYDRANTS, TAPPING SADDLES AND 2 INCH AND LONGER GATE VALVES ARE THE ONLY COMPONENTS EXEMPT FROM THIS REQUIREMENT. COMPONENTS THAT ARE NOT CLEARLY IDENTIFIED BY THE MANUFACTURER AS MEETING THIS REQUIREMENT EITHER BY MARKINGS ON THE COMPONENT OR ON THE PACKAGING SHALL NOT BE INSTALLED.
- ALL VALVES, MANHOLES, AND CLEAOUTS WITHIN PAVED AREAS SHALL HAVE HEAVY-DUTY TRAFFIC BEARING CASTINGS AND COVERS.
- ALL PRIVATE DOMESTIC WATER AND WASTEWATER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE (2021 EDITION).
- NO WATER METERS ARE ALLOWED WITHIN SIDEWALK OR DRIVEWAY AREAS.
- 12 GAUGE TRACER WIRE TO BE INSTALLED ABOVE ALL NON-METALLIC WATER LINES.
- VERTICAL SEPARATION: PRIVATE WASTEWATER LINES SHALL CROSS UNDER PRIVATE WATER LINES WITH AT LEAST 2' OF VERTICAL SEPARATION MEASURED FROM THE OUTSIDE DIAMETER (ICED SEC. 217.53).
- HORIZONTAL SEPARATION: PRIVATE WATER LINES MUST BE LOCATED AT LEAST 9' AWAY FROM ALL WATER SUPPLY PIPES (ICED SEC. 217.53).
- REFER TO PLUMBING PLANS FOR LOCATIONS OF DRY UTILITIES.
- REFER TO FIRE PROTECTION PLAN SHEET BY OTHERS FOR LOCATION OF FIRE DEPARTMENT CONNECTION (FDC) AND POST INDICATOR VALVE (PIV).

ISSUE LOG		
NO	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - 100% CD B-2X-B-2Y CLEANROOMS GMP #3 - BULLETIN 01 B-2X-B-2Y CLEANROOMS

PROJECT TITLE:

MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B-2

PROJECT ADDRESS:
10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758
PMCS PROJECT MANAGER:
SCHILLER LIAO, PH.D.
DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023
BUILDING NAME:
MICROELECTRONICS RESEARCH CENTER



BUILDING ABBREVIATION - NUMBER:
MER

CAPITAL PROJECT NUMBER:
102-1400

SHEET TITLE:
WATER PLAN -
B2X & B2Y (TEMP)

SHEET NUMBER:
1T-C3.02

Autodesk Docs/2022392 UT MER Center Cleanroom Expansion/2023-06-25_STRUCT_23104_UTMER_R23.rvt

TYPICAL STRUCTURAL ABBREVIATIONS

ALL ABBREVIATIONS SHOWN
ARE NOT NECESSARILY USED

A		K	
ABOVE FINISH FLOOR	— AFF	KIPS (1000 LBS)	— k
ADDITIONAL	— ADDNL	KIP PER LINEAR FOOT	— KLF
ADJACENT	— ADJ.	KIP PER SQUARE FOOT	— KSF
AGGREGATE	— AGGR		
ALTERNATE	— ALT.	L	
ANCHOR BOLT	— A.B.	LIGHTWEIGHT CONCRETE	— LWT. CONC.
AND	— &	LIVE LOAD	— LL
ANGLE	— L	LONGITUDINAL	— LONG.
APPROVED	— APPD.	LONG LEG HORIZONTAL	— LLH
APPROXIMATE	— APPROX.	LONG LEG VERTICAL	— LLV
ARCHITECT	— ARCH.	LONG SIDE HORIZONTAL	— LSH
ARCHITECTURAL	— ARCH'L.	LONG SIDE VERTICAL	— LSV
ARCH'L. FINISH SURFACE	— A.F.S.	LOW POINT	— L.P.
AT	— @		
AIR CONDITIONER	— A/C	M	
AIR HANDLING UNIT	— AHU	MANUFACTURE(R)	— MFR.
		MASONRY OPENING	— M.O.
B		MATERIAL	— MAT.
BACK FACE	— B.F.	MAXIMUM	— MAX.
BACK TO BACK	— B.T. B.	MECHANICAL	— MECH.
BASEMENT	— BM.	MEZZANINE	— MEZZ.
BLOCK	— BLK.	MIDDLE	— MID.
BEARING	— BRG.	MINIMUM	— MIN.
BELOW FINISH FLOOR	— BFF	MISCELLANEOUS	— MSC.
BETWEEN	— BTWN.	MOMENT	— M
BEVEL (ED)	— BEV (D)	MOMENT CONNECTION(S)	— M.C. OR
BLOCK	— BLK.		
BLOCKING	— BLKG.	N	
BLOCK-OUT	— B.O.	NEAR FACE	— N.F.
BOTTOM	— BOT.	NOMINAL	— NOM.
BRACKET	— BRKT.	NON-SHRINK	— N.S.
BRICK LEDGE ELEVATION	— B.L.E.	NOT IN CONTRACT	— N.I.C.
BRIDGING	— BRDG.	NOT TO SCALE	— N.T.S.
BUILDING	— BLDG.	NUMBER	— NO. OR #
BUILDING LINE	— B.L.		
		O	
C		ON CENTER	— O.C.
CANTILEVER	— CANT.	OPENING(S)	— OPNG(S).
CAST IRON	— C.I.	OPPOSITE	— OPP.
CAST-IN-PLACE	— C.I.P.	OUTSIDE FACE	— O.F.
CEILING	— CLG.	OUTSIDE DIAMETER	— O.D.
CENTER LINE	— C.L.	OUTSTANDING	— OSTG.
CENTER OF GRAVITY	— C.G.		
CENTER TO CENTER	— C. TO C.	P	
CHANNEL	— C	PAN	— P
CLEAR OR CLEARANCE	— CLR.	PARALLEL	— PAR.
COLUMN	— COL.	PARTITION	— PARTN.
COMPRESSION	— C OR COMP.	PENETRATION	— PEN.
CONCRETE	— CONC.	PERPENDICULAR	— PERP.
CONCRETE MASONRY UNIT	— CMU	PIECE	— PC.
CONNECTION (S)	— CONN(S).	PLATE	— PL.
CONTINUOUS	— CONT.	POINT	— PT.
CONTRACTOR	— CONTR.	POUNDS PER SQUARE FOOT	— P.S.F.
CONTROL JOINT	— CT.J.	POUNDS PER SQUARE INCH	— P.S.I.
CONSTRUCTION	— CONST.	PRECAST CONCRETE	— P/C
CONSTRUCTION JOINT	— C.J.	PRE-ENGINEERED	— P/E
CORNER	— COR.	PRE-ENGINEERED BUILDING MANUFACTURER	— PEBM
COVER PLATE	— COV. PL.	PRE-ENGINEERED METAL BUILDING	— PEMB
		METAL BUILDING	— PEMB.
D		PREFABRICATED	— PREFAB.
DETAIL	— DET.	PRELIMINARY	— PRELIM.
DEAD LOAD	— DL	PROJECTION	— PROJ.
DEFORMED BAR ANCHOR	— D.B.A.		
DIAGONAL	— DIA.	R	
DIAMETER	— DIA.	RADIUS	— R
DIMENSION(S)	— DIM(S).	REINFORCED CONCRETE PIPE	— RCP
DOVETAIL	— DVTL.	REINFORCE(ING) (ED) (MENT)	— REINF.
DOWNSPOUT	— DS.	REMAINDER	— REM. OR R
DRAWING(S)	— DWG(S).	REQUIRE	— REQ.
DOUBLE	— DWL(S).	RETENTION SYSTEM	— RET. SYS.
		REQUIRED	— REQ'D.
E		RISER	— RIS.
EACH	— EA.	ROOF	— RF.
EACH FACE	— E.F.	ROOF DRAIN	— R.D.
EACH WAY	— E.W.	ROOF OPENING	— RF. OPNG.
EDGE ANGLE OFFSET	— E.A.O.	ROOM	— RM.
ELECTRICAL	— ELEC.	ROUND	— RND.
ELEVATION	— EL.		
ELEVATOR	— ELEV.	S	
ENGINEER	— ENGR.	SCHEDULE(D)	— SCHED.
ENTRANCE	— ENT.	SECTION	— SECT.
EQUAL	— EQ.	SHEAR	— V
EQUIPMENT	— EQUIP.	SHEET	— SH.T.
EXPANSION	— EXP.	SIDEWALK	— SW.
EXPANSION JOINT	— EXST.	SIMILAR	— SIM.
EXISTING	— EXST.	SPACE	— SPA.
EXTERIOR	— EXT.	SPECIFICATION(S)	— SPEC(S)
EXTRA STRONG	— X-STR.	SPECIFIED	— SPEC'D.
		SQUARE FOOT (FEET)	— S.F.
F		STANDARD	— STD.
FACE TO FACE	— F. TO F.	STEEL	— STL.
FABRICATOR	— FABR.	STIFFENER	— STIFF.
FAR SIDE	— F.S.	STRAIGHT	— STR.
FIELD VERIFY	— (F.V.)	STIRRUPS	— STR.
FINISHED	— FIN.	STRUCT.	— STRUCT.
FINISHED FLOOR	— FIN. FL.	STRUCTURAL	— STRUCT'L.
FIREPROOF(ING)	— FP.	SYMMETRICAL	— SYM.
FLANGE	— FLG.	SUBCONTRACTOR	— SUBCONTR.
FLOOR	— FL.	SUPPORT(S)	— SUPT(S).
FLOOR DRAIN	— F.D.		
FOUNDATION	— FDN.	T	
		TAPERED BEAM	— T.B.
G		GAGE OR GAUGE	— GA.
GAGE OR GAUGE	— GA.	GALVANIZED	— GALV.
GALVANIZED	— GALV.	GALVANIZED IRON	— G.I.
GALVANIZED IRON	— G.I.	GALVANIZED STEEL	— G.S.
GALVANIZED STEEL	— G.S.	GENERAL CONTRACTOR	— G.C.
GENERAL CONTRACTOR	— G.C.	GOVERNMENT	— GEN. CONTR.
GOVERNMENT	— GEN. CONTR.	GRADE	— GR.
GRADE	— GR.	GRADE BEAM	— GR. BM.
H			
HEADED STUDS	— H.S.	I	
HEIGHT	— HT.	INFORMATION	— INFO.
HIGH POINT	— H.P.	INSIDE DIAMETER	— I.D.
HOLLOW STRUCTURAL SHAPE	— HSS	INSIDE FACE	— I.F.
HORIZONTAL	— HK.	INTERIOR	— INT.
HOOK	— HK.	INTERMEDIATE	— INTERM.
		J	
I		JOINT(S)	— JT(S).
INFORMATION	— INFO.	JOIST(S)	— JST(S).
INSIDE DIAMETER	— I.D.		
INSIDE FACE	— I.F.	K	
INTERIOR	— INT.	WATERSTOP	— WS.
INTERMEDIATE	— INTERM.	WATERPROOFING	— WPG.
		WELDED WIRE MESH	— W.W.M.
J		WIND BRACE	— WB.
JOINT(S)	— JT(S).	WIND LOAD	— W.L.
JOIST(S)	— JST(S).	WINDOW	— WDW.
		WITH	— W/.
		WORK POINT	— WP.
		WOOD	— WD.
		WROUGHT IRON	— W.I.

TYPICAL SYMBOLS LEGEND

WB-1	INDICATES WIND BRACE - SEE WIND BRACE ELEVATIONS.
TRUSS	INDICATES TRUSS - SEE TRUSS ELEVATIONS.
	INDICATES MOMENT CONNECTION - SEE MOMENT CONNECTION DETAILS.
	INDICATES STEEL BEAM SPLICE - SEE STRUCTURAL STEEL SIMPLE BEAM CONNECTION DETAILS.
	INDICATES STRUCTURE OVER VOID - SEE EXPANSIVE CLAY SOIL DETAILS.
	INDICATES THAT COLUMN STARTS UPWARD FROM THIS LEVEL.
	INDICATES THAT COLUMN STOPS AT THIS LEVEL.

STRUCTURAL SYMBOLS

THE FOLLOWING SYMBOLS ARE USED TO REPRESENT THE MATERIALS SHOWN ON THE STRUCTURAL DRAWINGS. SEE SPECIFICATIONS AND GENERAL NOTES FOR MATERIAL QUALITIES REQUIRED.

	ARCHITECTURAL FINISHED SURFACE
	CAST-IN-PLACE CONCRETE
	CAST-IN-PLACE CONCRETE CUT IN PLAN
	STRUCTURAL PRECAST CONCRETE
	SAND GRAVEL, OR LOW P.I. FILL
	EARTH
	ROCK
	ARCHITECTURAL PRECAST CONCRETE
	NON-SHRINK GROUT
	SAND CEMENT GROUT
	STYROFOAM
	EXISTING
	C.M.U.
	BRICK
	STRUCTURAL STEEL
	WOOD (CONTINUOUS)
	WOOD (NON-CONTINUOUS)
	PLYWOOD
	GLUE LAMINATED LUMBER (GLU-LAM)
	MICRO LAMINATED LUMBER (MICRO-LAM)
	ROOF TOP MECHANICAL UNIT ON PLAN
	BEAM BOTTOM CHORD BRACING ON PLAN

TYPICAL PLAN NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ACTUAL SEA LEVEL ELEVATION RELATED TO DATUM ELEVATION = 100'-0" SHOWN ON DRAWINGS.
- SEE PLAN FOR TOP OF STRUCTURAL CONCRETE (T.O.S.C.) ELEVATION.
- T.O.S. EL. = BOTTOM OF METAL DECK ELEVATION SEE PLAN FOR TOP OF STEEL (T.O.S.) ELEVATION.
- T.O. WOOD EL. = TOP OF PLYWOOD DECK / TONGUE & GROOVE DECK ELEVATION. SEE PLAN FOR TOP OF WOOD ELEVATION.
- SHEET LIST:
THE DETAILS IN THE DRAWINGS WHICH ARE DESIGNATED AS "TYPICAL DETAILS," APPLY GENERALLY TO THE CONSTRUCTION IN ALL AREAS WHERE THE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS. REGARDLESS OF WHETHER OR NOT THE DETAILS ARE SPECIFICALLY REFERENCED IN THE DRAWINGS.
- SEE ARCH'L DWGS. FOR SIZES & LOCATIONS OF ROOF OPENINGS.
- REPETITIVE MEMBERS SUCH AS PURLINS AND JOISTS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED POINTS, U.N.O.
- JOIST BRIDGING NOT SHOWN FOR CLARITY. SEE GENERAL NOTE FOR JOIST BRIDGING REQUIREMENTS.
- NON-STANDARD JOISTS ARE DENOTED THUS:

DESIGNATES SPECIAL STEEL JOIST WITH ADDITIONAL DESIGN LOADS BEYOND THE NOTED OR TABULATED UNIFORM LOAD VALUES (SHOWN EITHER ON PLAN OR IN REFERENCED DETAIL).
- WHERE RTU'S ARE INDICATED ON PLAN AS SHOWN AT RIGHT, JOIST MANUFACTURER SHALL DESIGN JOISTS TO SUPPORT THE WEIGHT OF THE RTU'S IN ADDITION TO THE JOISTS' SPECIFIED (OR TABULATED) DISTRIBUTED LOADS :

DISTRIBUTE WEIGHT OF RTU'S TO EACH JOIST WHICH THE UNIT OVERLAPS AS FOLLOWS:
* FOR 2 JOISTS - 70% OF WEIGHT TO EACH JOIST.
* FOR 3 JOISTS - 40% OF WEIGHT TO EACH JOIST, 50% TO CENTER JOIST.
* FOR 4 JOISTS - 30% OF WEIGHT TO EACH JOIST.
* FOR 5 JOISTS - 30% OF WEIGHT TO EACH JOIST.
* FOR 6 JOISTS - 30% OF WEIGHT TO EACH JOIST.
FOR JOISTS LESS THAN HALF A JOIST SPACE AWAY FROM THE RTU - 50% OF WEIGHT.
FOR CONDITION SHOWN AT RIGHT, DISTRIBUTE WEIGHT AS SHOWN:

NOTE TO CONTRACTOR:
FIELD VERIFY ALL EXISTING DIMENSIONS & ELEVATIONS PRIOR TO FABRICATION OF MATERIALS AND CONSTRUCTION.

GENERAL

THE FOLLOWING GENERAL NOTES CONSTITUTE A MAJOR PART OF THE PLANS AND SPECIFICATIONS. STRICT COMPLIANCE WITH THESE NOTES IS ESSENTIAL TO THE PROPER CONSTRUCTION OF THE BUILDING.

- REFER TO THE PLAN NOTES, LOCATED IN THESE GENERAL NOTES, FOR APPLICATION OF DETAILS WHICH ARE DESIGNATED AS "TYPICAL DETAILS" IN THIS SET OF DRAWINGS.
- SLEEVES AND BLOCKOUTS REQUIRED FOR PASSAGE OF DUCTWORK, PIPING, DRAINS, CONDUIT, ETC., AND ANCHORS REQUIRED FOR ANCHORING EQUIPMENT AND PIPING ARE NOT GENERALLY INDICATED ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL DETERMINE SUCH REQUIREMENTS FROM OTHER SERIES DRAWINGS, SUBCONTRACTORS, AND SUPPLIERS AND SHALL COORDINATE THE LOCATIONS AND DETAILS FOR THESE ITEMS PRIOR TO FABRICATION OR CONSTRUCTION OF THE STRUCTURE. ANY CONFLICTS BETWEEN THESE ITEMS AND THE BUILDING STRUCTURE SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION.
- VERIFY, OR ESTABLISH, LOCATIONS AND DIMENSIONS OF ALL FRAMED OPENINGS RELATED TO EQUIPMENT OR DUCTWORK, INCLUDING INSULATION, IF ANY. WHERE SUBSTANTIAL RELOCATION OR RECONFIGURATION IS REQUIRED, SUBMIT A DRAWING TO THE ARCHITECT FOR REVIEW.
- LOCATE EXISTING REINFORCEMENT, USING APPROPRIATE IMAGING EQUIPMENT, PRIOR TO CUTTING OR DRILLING INTO EXISTING CONCRETE. DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT. IF THE REQUIRED OPERATIONS MAKE DAMAGING EXISTING REINFORCING UNAVOIDABLE, INFORM ARCHITECT SO THAT THE CONDITION MAY BE EVALUATED AND ALTERNATIVE DIRECTIONS GIVEN.
- MATERIALS OR PRODUCTS SUBMITTED FOR APPROVAL WHICH ARE NOT AS SPECIFIED IN THE DOCUMENTS SHALL BE ACCOMPANIED BY A CURRENT ES REPORT (BY ICC EVALUATION SERVICE, INC.) MATERIALS OR PRODUCTS THAT DO NOT HAVE AN ES REPORT INDICATING THE SUBSTITUTED MATERIAL OR PRODUCT TO BE EQUAL TO THAT SPECIFIED, WILL NOT BE CONSIDERED.

EXISTING CONDITIONS

- FIELD VERIFY ALL RELEVANT DIMENSIONS AND CONDITIONS AT EXISTING STRUCTURES PRIOR TO STARTING SHOP DRAWINGS AND THE CONSTRUCTION PROCESS IN THOSE AREAS. SUBMIT APPROPRIATE PLANS AND DETAILS REFLECTING THE FIELD VERIFIED EXISTING CONDITIONS FOR THE ARCHITECT'S USE.
- EXISTING CONDITIONS WHICH REQUIRE MODIFICATIONS TO THE DESIGN OF THE PROPOSED CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT.
- THE TESTING LABORATORY SHALL EXAMINE AND REPORT ON THE CONDITION OF PORTIONS OF THE EXISTING STRUCTURE WHICH WILL BE ALTERED OR WHICH WILL SUPPORT NEW FRAMING, WITH SPECIAL EMPHASIS ON THE FOLLOWING:
 - EXISTING BOLTED CONNECTIONS: IDENTIFY MISSING, DAMAGED OR OTHERWISE DETERIORATED BOLTS AND CONNECTION PLATES.
 - EXISTING WELDED CONNECTIONS: VERIFY THAT WELDS WERE COMPLETED AND ARE STILL IN GOOD CONDITION, SUITABLE FOR SUPPORT OF ADDITIONAL LOADS SHOWN ON DRAWINGS.
 - GENERAL CONDITION OF FRAMING IN AREAS TO BE LOADED OR ALTERED. CONFIGURATION AND EVIDENCE OF EXCESSIVE CORROSION OR OTHER DAMAGE SHALL BE REPORTED.

DESIGN LOADS

- DEAD LOADS INCLUDE THE WEIGHT OF THE STRUCTURAL COMPONENTS AND ALLOWANCES FOR PERMANENT PARTITIONS, PERMANENT FIXTURES, FINISHES, ROOFING, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION MATERIALS SHOWN OR SPECIFIED.
- LOADINGS FOR MECHANICAL ROOMS ARE BASED ON THE WEIGHTS OF ASSUMED EQUIPMENT, AS INDICATED ON THE MECHANICAL DRAWINGS (INCLUDING THE WEIGHT OF CONCRETE PADS, WHERE INDICATED). ANY CHANGES IN TYPE, SIZE, LOCATION OR NUMBER OF PIECES OF EQUIPMENT SHOULD BE REPORTED TO THE ARCHITECT FOR VERIFICATION OF THE ADEQUACY OF SUPPORTING MEMBERS PRIOR TO THE PLACEMENT OF SUCH EQUIPMENT.
- DESIGN LIVE LOADING FOR THE NEW ADDITION IS AS FOLLOWS:

ROOF	30 PSF
ROOF OVER CUB, ADDITIONAL HANGING LOAD	50 PSF
ROOF OVER NEW CLEAN ROOM GRID A-B, ADDITION HANGING LOAD	50 PSF
STAIRWAYS	100 PSF
CORRIDORS ABOVE FIRST FLOOR	80 PSF
CLEAN ROOM	200 PSF
ALL SLABS-ON-GRADE	250 PSF
MECHANICAL ROOM (MIN.)	200 PSF
CHEMICAL STORAGE BUILDING SECOND FLOOR	100 PSF

- DESIGN WIND LOADING IS AS FOLLOWS (NOTE: PER ASCE 7-16, WIND LOADS ARE ULTIMATE. SERVICE LOADS MAY BE OBTAINED BY DIVIDING THE STATED LOADS BY 1.6.):

DESIGN WIND LOADING IS AS FOLLOWS:
WIND LOADS LISTED ARE ULTIMATE LOADS IN ACCORDANCE WITH ASCE 7-16

WIND DESIGN OPTION		ENVELOPE PROCEDURE
BASIC WIND SPEED (3-SECOND GUST)		115 MPH
RISK CATEGORY		B
EXPOSURE CATEGORY		B
INTERNAL PRESSURE COEFFICIENT		0.18
RELIABLE ROOF DEAD LOAD TO RESIST UPLIFT (SERVICE)		5 PSF

ROOF PRESSURE(+) SUCTION(-) LOADS (NET = INCLUDING INTERNAL PRESSURE) - LOADS MAY BE LINEARLY INTERPOLATED BETWEEN VALUES FOR THE GIVEN TRIBUTARY AREAS. HOWEVER, UTILIZED VALUES MAY NOT BE LESS THAN 16 PSF, ULTIMATE, IN EITHER DIRECTION, NORMAL TO THE COMPONENT SURFACE:

INTERIOR ZONES - MORE THAN <21'-FT FROM EDGE, HIP, OR RIDGE (ZONE 1)	
10 SQ. FT.	+11' / -40 PSF
100 SQ. FT.	+8' / -31 PSF
>500 SQ. FT.	+8' / -25 PSF
END ZONES - WITHIN <21'-FT OF EDGE, HIP, OR RIDGE (ZONE 2)	
10 SQ. FT.	+11' / -53 PSF
100 SQ. FT.	+8' / -41 PSF
100 SQ. FT.	+8' / -34 PSF
CORNER ZONES - <7'-FT FROM CORNER OF EDGE, HIP OR RIDGE AT OVERLAPPING EDGES (ZONE 3)	
10 SQ. FT. OF TRIBUTARY AREA	+11' / -71 PSF
100 SQ. FT. OF TRIBUTARY AREA	+8' / -49 PSF
>500 SQ. FT.	+8' / -34 PSF
OVERHANGS AT END ZONES - WITHIN <21'-FT OF EDGE, HIP OR RIDGE (ZONE 2)	
10 SQ. FT.	+0/-53 PSF
100 SQ. FT.	+0/-38 PSF
2500 SQ. FT.	+0/-27 PSF
OVERHANGS AT CORNERS - <9'-FT FROM CORNER OF EDGE, HIP OR RIDGE AT OVERLAPPING EDGES (ZONE 3)	
10 SQ. FT.	+0/-21 PSF
100 SQ. FT.	+0/-45 PSF
2500 SQ. FT.	+0/-27 PSF
WALL PRESSURE/SUCTION	
INTERIOR ZONES - MORE THAN <18'-FT FROM EDGE (ZONE 4)	
10 SQ. FT.	+23/-25 PSF
100 SQ. FT.	+20/-22 PSF
2500 SQ. FT.	+17/-19 PSF
END ZONES - WITHIN <9'-FT OF EDGE (ZONE 5)	
10 SQ. FT.	+23/-31 PSF
100 SQ. FT.	+20/-24 PSF
2500 SQ. FT.	+17/-19 PSF

WALL PARAPETS:	
INTERIOR ZONES - MORE THAN <18'-FT FROM EDGE (ZONE 4)	
10 SQ. FT.	+70 PSF
100 SQ. FT.	+50 PSF
2500 SQ. FT.	+45 PSF
END ZONES - WITHIN <18'-FT OF EDGE (ZONE 5)	
10 SQ. FT.	+89 PSF
100 SQ. FT.	+63 PSF
2500 SQ. FT.	+45 PSF

*LOAD IS LESS THAN MINIMUM 16PSF, ULTIMATE - USE FOR INTERPOLATION ONLY

INTERIOR PRESSURE ON STRUCTURAL ELEMENTS (SERVICE)..... 5 PSF

7. SEISMIC DESIGN DATA (IBC):	
RISK CATEGORY	II
MAPPED SPECTRAL RESPONSE ACCELERATIONS, SS & S1	0.0530, 0.032
SITE CLASS	C
SPECTRAL RESPONSE COEFFICIENTS SDS /SD1	0.0460, 0.032
SEISMIC DESIGN CATEGORY	A
BASIC SEISMIC-FORCE-RESISTING SYSTEM	STEEL BRACED FRAMES/MASONRY WALLS
DESIGN BASE SHEAR	0.01W
SEISMIC RESPONSE COEFFICIENT, CS	0.010
RESPONSE MODIFICATION FACTOR, R	1.5
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE
DEFLECTION AMPLIFICATION FACTOR.....	3

8. SNOW LOADING (ASCE 7, SECTION 7):
GROUND SNOW LOAD..... 5 PSF

- STACKS OF MATERIALS OR OTHER CONSTRUCTION LOADS PLACED ON THE STRUCTURE SHALL NOT EXCEED THE STATED DESIGN LIVE LOAD FOR THE AREA AFFECTED UNLESS ADEQUATELY SHORED.

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

DR
Datum Rios
www.datumrios.com | Co. Reg. No. F-16974
303 West Parkway, Suite 210
San Antonio, TX 78215, 210-469-3609
Datum Rios Project No. 23704

STRUCTURAL SHEETS ARE SEALED FOR ELEMENTS RELATED TO THE TEMPORARY PACKAGE ONLY. OTHER PHASES ARE SHOWN FOR REFERENCE AND PLANNING ONLY. STRUCTURAL DRAWING WILL REQUIRE FURTHER COORDINATION WITH OTHER DISCIPLINES FOR CONSTRUCTION.

SEAL / SIGNATURE:

NICK KRATKIEWICZ
134435
OFFICIAL SEAL
04/05/2023

ORIGINAL ISSUE DATE

01/06/24
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X+B2-Y CLEANROOMS
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE

MER CLEANROOM BUILD-OUT AND EXPANSION

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH CENTER

UT

TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CODES & DESIGN SPECIFICATIONS

- BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE.
- DESIGN LOADS: ASCE 7-16 WITH SUPPLEMENT 1 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES."
- STRUCTURAL STEEL: AISC 360-16 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND AISC 341-16 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS."
- STRUCTURAL CONCRETE: "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19)," THE AMERICAN CONCRETE INSTITUTE.
- STRUCTURAL MASONRY: "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402-16)," THE MASONRY SOCIETY.

FIRE RESISTANCE

- THE STRUCTURAL SYSTEM AND CONSTRUCTION DETAILS ARE DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING: CONSTRUCTION TYPE I-B
FLOOR ASSEMBLY: 0 HOURS
ROOF ASSEMBLY: 0 HOURS
STRUCTURAL FRAME: 0 HOURS
CONSTRUCTION TYPE I-A
FLOOR ASSEMBLY: 1 HOUR
ROOF ASSEMBLY: 1 HOUR
STRUCTURAL FRAME: 1 HOUR
- STRUCTURAL FRAME CONSISTS OF COLUMNS AND MEMBERS FRAMING INTO COLUMNS, INCLUDING GIRDERS, BEAMS, AND BRACING.

SPECIAL INSPECTION REQUIREMENTS

- PERIODIC SITE OBSERVATIONS BY THE ENGINEER OF RECORD ARE SOLELY FOR THE PURPOSE OF DETERMINING GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THOSE LIMITED OBSERVATIONS ARE NOT A SUBSTITUTE FOR INSPECTIONS AND TESTING PERFORMED BY THE OWNER'S QUALIFIED, INDEPENDENT TESTING LABORATORY, NOR ARE THEY INTENDED TO IDENTIFY ALL DEFECTS AND DEFICIENCIES IN THE WORK BY THE CONTRACTOR. THOSE OBSERVATIONS DO NOT FULFILL ANY PART OF THE SPECIAL INSPECTIONS REQUIREMENTS GIVEN IN THE SPECIFICATIONS. THE DESIGNATED SPECIAL INSPECTOR IS SOLELY RESPONSIBLE FOR FULFILLING THE SPECIAL INSPECTION REQUIREMENTS AS OUTLINED HERE AND DEFINED IN THE SPECIFICATIONS.
- REFER TO THE SPECIFICATIONS FOR CODE MANDATED MATERIALS TESTING AND INSPECTION REQUIREMENTS FOR STRUCTURAL WORK.
- ITEMS OF STRUCTURAL CONSTRUCTION WHICH REQUIRE SPECIAL INSPECTION INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
FOUNDATION EXCAVATIONS AND FILL OPERATIONS
INSTALLATION OF DRILLED CONCRETE PIERS AND FOOTINGS
INSTALLATION OF CONCRETE FOOTINGS
PLACEMENT OF STRUCTURAL CONCRETE
PLACEMENT OF CONCRETE REINFORCING
PLACEMENT OF ANCHOR BOLTS PLACED IN CONCRETE OR MASONRY
INSTALLATION OF DRILLED-IN CONCRETE OR MASONRY ANCHORS (EXPANSION, FRICTION, CEMENTED, OR GROUTED ANCHORS)
CONSTRUCTION OF REINFORCED MASONRY
FABRICATION AND ERECTION OF STRUCTURAL STEEL
WELDING AND BOLTING OF STEEL CONNECTIONS
FIELD WELDING OF SHEAR STUDS
- ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS REQUIRING SPECIAL INSPECTIONS PER SECTION 1705 OF THE IBC HAVE NOT BEEN LISTED HERE. REFER TO ARCHMFP FOR SPECIAL INSPECTION REQUIREMENTS FOR THESE COMPONENTS.

CONCRETE MIX

- PROVIDE CONCRETE HAVING THE FOLLOWING GENERAL CHARACTERISTICS:

CLASS	28-DAY STRENGTH (PSI)	SLUMP (IN)	AGG. TYPE	MAX. SIZE (IN.)	USAGE
A	4000	4-6	HDRK	1 1/2	DRILLED PIERS WITHOUT CASING
B	3000	3-5	HDRK	1	CASED DRILLED PIERS
F	3000	3-5	HDRK	3/4	GRADE BEAMS, SLABS-ON-GRADE, FOOTINGS
- IN ADDITION TO THE CONCRETE PROPERTIES SCHEDULED ABOVE, THE WATER/CEMENT/IOUS MATERIALS (W/C) RATIO FOR THE CLASS B & F APPLICATIONS SHALL BE LIMITED TO THE MAXIMUM VALUES OF 0.47.
- MAXIMUM WATER/CEMENT RATIO FOR CONCRETE SLABS-ON-GRADE AND SLABS-ON-VOID BOXES SHALL BE AS SCHEDULED IN NOTE 2 ABOVE. CONTRACTOR SHALL USE LOWER WATER/CEMENT RATIO IF IT IS DETERMINED THAT THIS IS NEEDED TO PLACE FLOORING AS SCHEDULED.
- EXCEPT FOR CONCRETE FOR DRILLED PIERS, WHOSE SLUMP LIMITS ARE ABSOLUTE, SLUMP LIMITS ARE BASED ON MIXES WITHOUT WORKABILITY ADMIXTURES, AND MAY BE INCREASED WITH WORKABILITY ADMIXTURES. PROVIDED THAT BATCH PROPORTIONS ARE DETERMINED AND SUBMITTED IN THE MANNER DESCRIBED IN THE SPECIFICATIONS. WHEN A WORKABILITY ADMIXTURE IS USED, SLUMP SHALL CONFORM TO THE REQUIREMENTS OF THE ACCEPTED MIX DESIGN, WHICH SHALL NOT EXCEED 8 INCHES (WITH A TOLERANCE OF +0 AND -2.5 INCHES) AT TIME OF DISCHARGE.
- SLUMP LIMITS APPLY AT THE TRUCK AT THE TIME OF DISCHARGE EXCEPT THAT PUMPED CONCRETE SHALL BE SAMPLED AT THE DISCHARGE END OF THE HOSE.
- USE OF ACCELERATING OR SET-RETARDING ADMIXTURES REQUIRES PRIOR APPROVAL OF THE ARCHITECT. IN GENERAL, USE OF CALCIUM CHLORIDE WILL NOT BE PERMITTED.
CEMENT SHALL BE TYPE I, TYPE II OR TYPE III (ASTM C 150)

CONCRETE REINFORCEMENT

- REINFORCING STEEL SHALL BE NEW OR RECYCLED DOMESTIC DEFORMED BILLET STEEL, CONFORMING TO ASTM A 615, GRADE 60.
- REINFORCING STEEL SHOWN IN SECTIONS OF BEAMS, AND WALLS IS SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
- REFER TO DWEL SCHEDULE, SHEET S3.03, FOR ALL BARS MARKED "DWL" ON THE DRAWINGS.
- DETAIL REINFORCING BARS AND PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ACI DETAILING MANUAL.
- WHERE BAR TYPES FROM THE BAR BENDING DIAGRAM ARE SPECIFIED, PROVIDE BARS ACCORDINGLY. OTHERWISE, DETAIL BARS IN BEAMS, SLABS, AND WALLS AS FOLLOWS:
A. RUN TOP AND BOTTOM BARS CONTINUOUS, WITH SPLICES AND HOOKS AS DESCRIBED BELOW.
B. PROVIDE STANDARD 90 DEGREE HOOK ON TOP BARS AT CANTILEVER ENDS.
C. SPLICE TOP AND INTERMEDIATE BARS AT THE CENTER LINE BETWEEN MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
D. SPLICE BOTTOM BARS DIRECTLY OVER MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
E. HORIZONTAL BARS IN WALLS SHALL BE SPLICED AS SPECIFIED FOR TOP, BOTTOM, AND INTERMEDIATE BARS OF BEAMS.
F. CENTER BARS NOTED AS "AT SUPTS." OVER MEMBER SUPPORTS, AND CENTER BARS NOTED AS "BTWN. SUPTS." BETWEEN SUPPORTS.
G. PLACE BARS NOTED AS "2ND LAYER" BELOW THE PRIMARY TOP BARS (OR ABOVE THE PRIMARY BOTTOM BARS) AND PROVIDE #11 SPACER BARS PLACED AT INTERVALS OF 4'-0" BETWEEN THE TWO LAYERS OF BARS.
H. ALL BAR SPLICES IN BEAMS, SLABS, AND WALLS SHALL BE 30 BAR DIAMETERS, EXCEPT THAT SPLICES IN HORIZONTAL WALL BARS AND INTERMEDIATE BEAM BARS SHALL BE 60 BAR DIAMETERS.
I. PROVIDE CORNER BARS FOR EACH HORIZONTAL BAR AT THE INSIDE AND OUTSIDE FACES OF INTERSECTING BEAMS OR WALLS. REFER TO CORNER BAR DETAILS ON SHEET S3.03.
- BARS SHOWN IN THE SCHEDULE TO HOOK AT DISCONTINUOUS ENDS SHALL HAVE THE HOOK PLACED HORIZONTALLY AT EXTERIOR CORNERS.
- PROVIDE FOUNDATION DOWELS TO MATCH MASONRY WALL REINFORCEMENT. DOWELS SHALL EXTEND A MINIMUM OF 60 BAR DIAMETERS ABOVE AND 30 BAR DIAMETERS BELOW TOP OF FOUNDATION.
- CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, MEASURED TO NEAREST BAR, STIRRUP OR TIE:
A. AT SLABS-ON-GRADE, BEAM AND WALL SURFACES DEPOSITED AGAINST THE GROUND (WITH OR WITHOUT VAPOR RETARDER): 3".
B. AT FORMED FACES OF BEAMS, AND WALLS EXPOSED TO RAIN OR IN CONTACT WITH THE GROUND: 2".
C. STRUCTURAL SLABS ON LOOSE FILL: 3".
D. TOP STEEL IN SLABS:
INTERIOR EXPOSURE: 1"
EXPOSED TO WEATHER: 2"
E. TOP STEEL IN BEAMS:
INTERIOR EXPOSURE: 1 1/2"
EXPOSED TO WEATHER: 2"
- MAINTAIN THE SPECIFIED COVER DIMENSION WITHIN A TOLERANCE OF PLUS OR MINUS 3/8" EXCEPT FOR SLABS-ON-GRADE AND SOIL-FORMED MEMBERS, WHERE 5/8" TOLERANCE IS PERMITTED. EXTRA COVER WEAKENS THE MEMBER AND REDUCED COVER LEADS TO CORROSION.
- PROVIDE 5 TONS OF ADDITIONAL REINFORCING STEEL (#3 BARS AND LARGER) TO BE USED IN THE FIELD AS DIRECTED BY THE ARCHITECT/ENGINEER. LABOR FOR DETAILING, CUTTING, BENDING, AND PLACING BEING SHALL BE INCLUDED. ANY UNUSED PORTION OF THIS QUANTITY SHALL BE CREDITED TO THE OWNER AT THE RATE OF \$2500 PER TON.

CAST-IN-PLACE CONCRETE

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-19).
- CONSTRUCTION JOINTS IN BEAMS, SLABS AND WALLS SHALL ONLY OCCUR WITHIN 2'-0" OF MIDSPAN BETWEEN SUPPORTS. CONSTRUCTION JOINTS IN SOIL SUPPORTED SLABS-ON-GRADE SHALL BE WHERE SHOWN ON PLAN. SEE NOTES ON TYPICAL SLAB-ON-GRADE DETAIL 453.02 FOR LOCATING SLAB JOINTS. PILASTERS ON THE SIDES OF GRADE BEAMS AND WALLS SHALL BE CAST MONOLITHICALLY WITH THE GRADE BEAM OR WALL UNLESS SHOWN OTHERWISE. SUBMIT A DIAGRAM OF ALL PROPOSED CONSTRUCTION JOINTS WHICH ARE NOT SPECIFICALLY SHOWN ON THESE DRAWINGS (REFER TO SPECIFICATIONS).
- SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS, CURBS AND ALL EMBEDDED ITEMS SHALL BE PROVIDED FOR AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND AS REQUIRED BY EQUIPMENT MANUFACTURERS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6". INSTALLATION OF THESE ITEMS SHALL BE COORDINATED WITH SHOP DRAWINGS OF TRADES REQUIRING THESE ITEMS.
- SET FORMS TO FOLLOW SLOPES AND GRADES DEFINED ON PLAN, KEEPING MEMBER DEPTHS CONSTANT AT DEPTHS DETAILED OR SCHEDULED, UNLESS NOTED OTHERWISE. SLOPE UNIFORMLY BETWEEN ELEVATIONS GIVEN.
- ALL CONDUITS AND PIPES EMBEDDED IN CONCRETE SHALL COMPLY WITH ALL PROVISIONS SPECIFIED IN ACI 318-19, SECTIONS 20.7 AND 26.8, WITH THE FOLLOWING SPECIFIC REQUIREMENTS:
A. THE MAXIMUM OUTSIDE DIAMETER OF THE CONDUITS AND PIPES SHALL BE 1 1/2" MAX. O.D.". NONE PERMITTED IN SLABS THINNER THAN 4 1/2".
B. THE MINIMUM CLEAR DISTANCE BETWEEN CONDUITS AND PIPES SHALL BE 6".
C. AT FORMED SLABS, LOCATE IN MIDDLE THIRD OF SLAB THICKNESS BETWEEN THE TOP AND BOTTOM MAT OF REINFORCING.
D. NONE PERMITTED IN SLABS-ON-GRADE WHICH WILL BE PERMANENTLY EXPOSED OR SCHEDULED TO RECEIVE THIN SET TILE. PLACE ALL PIPES AND CONDUITS IN THE FILL BENEATH THE VAPOR RETARDER. RECOMPACT AS SPECIFIED.
E. IN NON-EXPOSED SLABS-ON-GRADE, LIMIT SIZE TO 1" O.D. IN 5' SLAB AND 1 1/4" O.D. IN 6" AND GREATER SLAB. SPACE 12" APART AND TIE TO UNDERSIDE OF REINFORCING MAT. WHERE LINES CONVERGE AT SOURCE, DOUBLE UP THE SLAB REINFORCING IN THE CONVERGENCE ZONE AND 3'-0" BEYOND. PLACE ALL LARGER LINES IN THE FILL BENEATH THE VAPOR RETARDER.
F. DO NOT DISPLACE REINFORCING STEEL FROM ITS PROPER POSITION.
- SLEEVES OR PIPES PASSING HORIZONTALLY THROUGH BEAMS MUST BE LOCATED IN THE MIDDLE THIRD OF THE SPAN AND WITHIN THE MIDDLE THIRD OF THE BEAM DEPTH. MAXIMUM DIAMETER SHALL BE ONE THIRD OF THE MEMBER DEPTH. SPACE AT LEAST 3 DIAMETERS CLEAR APART AND ADD ONE STIRRUP EACH SIDE OF EACH SLEEVE.
- PROVIDE SHEAR KEYS IN ALL CONSTRUCTION JOINTS IN BEAMS, IN ACCORDANCE WITH THE TYPICAL CONCRETE DETAILS.
- DOCK HEIGHT GRADE BEAMS SHALL BE BRACED FROM THE EXTERIOR DIRECTION PRIOR TO PLACING FILL. BRACING SHALL REMAIN IN PLACE UNTIL THE FLOOR SLAB HAS BEEN POURED AND HAS CURED FOR AT LEAST 7 DAYS.
- FLOORS ARE NOT DESIGNED TO SUPPORT FORMWORK AND WET CONCRETE WEIGHT OF NEXT LEVEL. CONTRACTOR SHALL DESIGN AND PROVIDE RESHORING TO PREVENT OVERSTRESSING THE STRUCTURE.
- THE HOUSEKEEPING PADS UNDER MECHANICAL EQUIPMENT ARE SHOWN AND SPECIFIED ON THE MECHANICAL DRAWINGS. REINFORCE HOUSEKEEPING PAD WITH #3@8" ON CENTER EACH WAY, UNLESS SHOWN OTHERWISE ON MECHANICAL DRAWINGS.
- WHERE GRADE BEAMS ARE TRENCH FORMED, THE TOP OF THE EXTERIOR FACE SHALL BE WOOD FORMED TO AT LEAST 1'-0" BELOW EXTERIOR FINISHED GRADE LEVEL.
- PROVIDE 20 CUBIC YARDS OF ADDITIONAL CONCRETE TO BE USED IN THE FIELD AS DIRECTED BY THE ARCHITECT/ENGINEER. LABOR FOR PLACEMENT AND FINISHING SHALL BE INCLUDED. ANY UNUSED PORTION OF THIS QUANTITY SHALL BE CREDITED TO THE OWNER AT THE RATE OF \$150 PER CUBIC YARD.

CONCRETE SPALL REPAIR

- CONCRETE THAT HAS ANY SPALLS DEEPER THAN 3/4" OR HONEYCOMBING OR IF REBAR IS EXPOSED SHALL BE REPAIRED.
- REPAIR MATERIALS (INSTALL ALL MATERIALS IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS):
A. BONDING AND ANTI-CORROSION AGENT
STO BONDING AND ANTI-CORROSION AGENT (CR246) - STD CORP., ATLANTA, GA
SIKA ARMATEC 110-SIKA CORP., LYNDBURST, NJ.
B. PATCHING MORTAR:
STO OVERHEAD MORTAR (CR702) - STO CORP., ATLANTA, GA
SIKATOP 123 - SIKA CORP., LYNDBURST, NJ
EMACO 577 IS - BASF CONSTRUCTION CHEMICALS LLC, SHAKOPEE, MN (FORM AND POUR OPTION FOR LARGE REPAIRS).
- REPAIR PROCEDURE SHALL BE AS FOLLOWS:
A. REMOVE HONEYCOMB AND SPALLED CONCRETE BY SAWCUTTING AROUND THE AREA REQUIRING REPAIR AND CHIPPING OUT THE PIECES USING A 30 LB. MAX CHIPPING HAMMER.
B. RUSTED REBAR MUST BE FULLY EXPOSED AND SANDBLASTED ON ALL SIDES.
C. APPLY ANTI-CORROSION AGENT TO BARS.
D. ENSURE EXISTING CONCRETE IS CLEAN AND AT A SATURATED SURFACE DRY (SSD) CONDITION BEFORE APPLYING PATCHING MORTAR.
E. APPLY PATCHING MORTAR TO RESTORE THE CONCRETE SECTION TO A MINIMUM COVERAGE OF 1/2" AND IN LIFTS NOT TO EXCEED 1 1/2" (EXCEPT IF EMACO 577 CI IS USED). BLEND REPAIR INTO SHAPE OF EXISTING SECTION, BUT DO NOT FEATHER EDGES.

ROOF MOUNTED MECHANICAL UNITS

- ROOF MOUNTED MECHANICAL UNIT LOCATIONS AND DESIGN WEIGHTS ARE SHOWN ON THE ROOF FRAMING PLANS. BEAMS ARE DESIGNED TO SUPPORT THIS ADDITIONAL LOAD. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ACTUAL SIZES, WEIGHTS, OR LOCATIONS DIFFER FROM THOSE SHOWN ON THE ROOF FRAMING PLANS. PROVIDE ADDITIONAL STEEL FRAMING, AS DETAILED, FOR SUPPORT OF RTU CURBS AND PROVIDE DECK SUPPORT ANGLES AT ALL ROOF OPENINGS.

STRUCTURAL STEEL

- COORDINATION OF THE ROOF STRUCTURE AND THE ARCHITECTURAL SECTIONS AND ELEVATIONS IS CRITICAL TO PROPER STRUCTURAL STEEL FABRICATION. ELEVATIONS OF TOP OF STRUCTURAL STEEL ARE SHOWN ON THE ARCHITECTURAL PLANS AND SECTIONS. REFER TO THESE SECTIONS AND DETAILS TO SET THE STEEL ELEVATIONS AND TO UNDERSTAND THE ARCHITECTURAL INTENT.
- TOLERANCE REQUIREMENTS - STRUCTURAL DRAWINGS INDICATE MISCELLANEOUS STEEL ELEMENTS SUCH AS SHELF ANGLES, UNTELS, SUPPORT MEMBERS FOR CURTAIN WALLS OR MASONRY, AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS WHICH ARE INTENDED TO SUPPORT OR BE COORDINATED WITH MATERIALS FURNISHED BY OTHER TRADES. IT IS THE INTENT OF THESE DRAWINGS THAT THESE ELEMENTS BE FIELD ATTACHED BY FIELD WELDING OR BOLTING TO MEET THE TOLERANCES REQUIRED BY OTHER TRADES, WHICH MAY BE MORE STRINGENT THAN A.I.S.C. TOLERANCES FOR STRUCTURAL STEEL. CONTRACTOR SHALL COORDINATE TRADES AND FIELD INSTALL MISCELLANEOUS STEEL ELEMENTS AND THE STRUCTURAL STEEL FRAME TO COMPLY WITH THE TOLERANCE CRITERIA FOR PROPER INSTALLATION OF MATERIALS BY OTHER TRADES.
- STRUCTURAL STEEL: AISC 360-16 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", EXCEPT WHERE INDICATED OTHERWISE IN THE DRAWINGS AND SPECIFICATIONS.
- STRUCTURAL STEEL MATERIAL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:
WIDE FLANGE (W) SHAPES AND TEES A 992 (50 KSI YIELD)
OTHER ROLLED SHAPES: PLATES AND RODS A 36 (36 KSI YIELD)
HOLLOW STRUCTURAL SHAPES (HSS OR TS) A 500, GRADE B OR GRADE C
42 KSI YIELD ROUND#46 KSI YIELD SQUARE)
A 151, GRADE B (35 KSI YIELD)
PIPE A 325N
F 1554 (36 KSI YIELD)
BOLTS FOR CONNECTIONS
ANCHOR BOLTS (ANCHOR RODS)
- PREDESIGNED BEAM CONNECTION DETAILS ARE SHOWN ON SHEET S4.01. OTHER TYPICAL CONNECTIONS ARE SHOWN IN TYPICAL DETAILS. CONNECTIONS WHICH ARE NOT SPECIFICALLY DETAILED SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE CONNECTION NOTES AND SPECIFICATIONS.
- ALL MOMENT CONNECTIONS SHALL BE FULL WELDED CONNECTIONS DESIGNED TO DEVELOP THE FULL CROSS-SECTION OF THE MEMBER. STIFFENER PLATES, WHERE SHOWN, ARE MANDATORY AND MAY NOT BE OMITTED. MOMENT CONNECTIONS ARE INDICATED ON THE PLANS BY A TRIANGULAR BULB ON THE END OF THE BEAM, OR BY THE LETTERS "MC".
- CANTILEVER BEAMS MOMENT CONNECTED TO THE FRAME SHALL BE THE SAME SIZE AS THE BACK-UP SPAN IF NO SIZE IS GIVEN.
- ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION.
- BACK TO BACK CHANNELS OR DOUBLE ANGLES ACTING AS COMPRESSION MEMBERS SHALL BE CONNECTED TO EACH OTHER AT THIRD POINTS ALONG THE LENGTH BY WELDING IN SPACER PLATES OF EQUAL THICKNESS TO THE GUSSET PLATES. UNEQUAL LEG ANGLES SHALL BE ORIENTED LONG LEG DOWN UNLESS NOTED OTHERWISE.
- TEMPORARY CONSTRUCTION BRACING OF STRUCTURAL STEEL FRAME SHALL REMAIN IN PLACE UNTIL AFTER ALL PERMANENT BRACING COMPONENTS HAVE BEEN COMPLETED. THE LATERAL-LOAD-RESISTING SYSTEM OF THE BUILDING INCLUDES MOMENT-CONNECTED RIGID FRAMES, DESIGNATED WIND BRACES, AND CONNECTING DIAPHRAGM ELEMENTS. THE METAL ROOF DECK AND COMPLETED CONCRETE FILL ON METAL FLOOR DECK ARE ESSENTIAL DIAPHRAGM COMPONENTS OF THE PERMANENT BRACING SYSTEM.
- WHERE W-SHAPES ARE USED AS ROOF PURLING, PROVIDE BOTTOM FLANGE BRACING PER DETAIL S55.01 AT MIDSPAN, MINIMUM, UNLESS OTHERWISE INDICATED ON PLANS.
- WIND BRACES IN THE VERTICAL PLANE ARE DENOTED BY "WB" ON THE PLAN. SEE WIND BRACE DETAILS FOR CONFIGURATIONS.

- STEEL ANGLES AND OTHER SHAPES THAT DEFINE THE EDGE OF THE FLOOR OR ROOF AND ARE SHOWN TO BE WELDED TO SUPPORTING BEAMS, SHALL BE FIELD WELDED, NOT SHOP WELDED, SO THAT THEIR POSITION CAN BE ADJUSTED TO CORRECT FOR FABRICATION AND ERECTION TOLERANCES OF THOSE SUPPORTING BEAMS AND PROVIDE AN EDGE THAT IS CONSISTENT WITH THE REQUIREMENTS OF THE FINISHES THAT IT SUPPORTS AND/OR ACCOMMODATES.
- CONNECT MISCELLANEOUS STEEL MEMBERS USING FILLET WELDS SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS SHOWN OTHERWISE.
- ALL STEEL SHALL BE FURNISHED WITH SHOP COAT OF RUST INHIBITIVE PRIMER.
- WHERE ANGLES ARE NOTED TO BE CONTINUOUS, PROVIDE FULL BUTT WELD AT SPLICES.
- WHERE TWO OR MORE PIECES ARE TO BE WELDED TOGETHER AND THEN HOT-DEP GALVANIZED, THE SPECIFIED WELD CONNECTING THE PIECES SHALL BE CONTINUOUS ALONG THE ENTIRE LENGTH OF THE INTERFACE (SEAL WELDED).
- PROVIDE 10 TONS OF ADDITIONAL STRUCTURAL STEEL TO BE USED IN THE FIELD AS DIRECTED BY THE ARCHITECT/ENGINEER. LABOR FOR DETAILING, FABRICATION, AND ERECTION SHALL BE INCLUDED. ANY UNUSED PORTION OF THIS QUANTITY SHALL BE CREDITED TO THE OWNER AT THE RATE OF \$6000 PER TON.

METAL ROOF DECK

- ROOF DECK SHALL BE 1.5" DEEP, 20 GAUGE, TYPE B, GALVANIZED METAL DECK, MEETING THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.
- ROOF DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.
AT EACH SUPPORT: PUDDLE WELDS AT EACH SIDE LAP AND AT INTERMEDIATE RIBS AT OF 12" ON CENTER.
AT SIDE LAPS: SCREWS EQUALLY SPACED BETWEEN SUPPORTS, NOT TO EXCEED 9" ON CENTER.
AT EXTERIOR SIDES, PARALLEL TO DECK SPAN: PUDDLE WELDS AT 12" ON CENTER.
- TYPICAL DECK CONNECTIONS SHALL BE AS FOLLOWS:
WHERE TWO OR MORE PIECES ARE TO BE WELDED TOGETHER AND THEN HOT-DEP GALVANIZED, THE SPECIFIED WELD CONNECTING THE PIECES SHALL BE CONTINUOUS ALONG THE ENTIRE LENGTH OF THE INTERFACE (SEAL WELDED).
- PUDDLE WELDS SHALL BE FULL-FUSION, 5/8" DIAMETER (MINIMUM) WELDS. METAL AROUND WELDS SHALL BE COMPLETELY INTACT AFTER WELDING.
- SUSPENDED CEILING, LIGHT FIXTURES, DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL DECK.

CONSULTANT:



Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com



STRUCTURAL SHEETS ARE SEALED FOR ELEMENTS RELATED TO THE TEMPORARY PACKAGE ONLY. OTHER PHASES ARE SHOWN FOR REFERENCE AND PLANNING ONLY. STRUCTURAL FRAMING WILL REQUIRE FURTHER COORDINATION WITH OTHER DISCIPLINES FOR CONSTRUCTION.

SEAL / SIGNATURE:



04/05/2023

ORIGINAL ISSUE DATE

01/06/24 SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM BUILD-OUT AND EXPANSION

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

102-1400 -
PHASE B-2

SHEET TITLE:

GENERAL NOTES

SHEET NUMBER:

S0.02

Autodesk Docs/2022392_UT MER Center Cleanroom Expansion/2025-05-25_STRUCT_23104_UTIMER_R23.rvt

SPECIAL INSPECTION TABLES FOR STRUCTURAL ELEMENTS - 2021

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE 2021 INTERNATIONAL BUILDING CODE (IBC) BY A SPECIAL INSPECTOR HIRED BY THE OWNER TO PERFORM THE SPECIAL INSPECTIONS LISTED BELOW. THE SPECIAL INSPECTOR SHALL BE QUALIFIED BY AN APPROVED AGENCY ACCORDING TO THE CITY'S BUILDING OFFICIAL TO PERFORM THE SPECIAL INSPECTIONS FOR WHICH THEY WILL BE UNDERTAKING. THE CONTRACTOR SHALL COORDINATE WITH AND NOTIFY THE SPECIAL INSPECTOR OF ALL TESTS. THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO VERIFY THAT THE ITEMS DETAILED IN THE CONSTRUCTION DOCUMENTS WERE BUILT ACCORDINGLY AND SHALL PREPARE, SIGN, AND FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ARCHITECT FOR ALL TIME SPENT AT THE SITE. THE INSPECTOR SHALL BRING DISCREPANCIES TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE ARCHITECT PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. THESE SPECIAL INSPECTIONS ARE IN ADDITION TO THE OTHER INSPECTIONS LISTED IN THESE STRUCTURAL NOTES OR PROJECT SPECIFICATIONS.
2. WHERE STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES ARE SHOP FABRICATED, THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR INSPECTION CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO THE CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS, UNLESS THE FABRICATOR IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.

VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL (AISC 360-16 TABLE N5.4)					
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	1. INSPECTION TASKS PRIOR TO WELDING:				
YES	A. WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	X	--		
YES	B. WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	X	--		
YES	C. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	X	--		
YES	D. MATERIAL IDENTIFICATION (TYPE/GRADE)	--	X		
YES	E. WELDER IDENTIFICATION SYSTEM	--	X		
YES	F. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) 1) JOINT PREPARATION 2) DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) 3) CLEANLINESS (CONDITION OF STEEL SURFACES) 4) TACKING (TACK WELD QUALITY AND LOCATION) 5) BACKING TYPE AND FIT (IF APPLICABLE)	--	X	AISC 360-16 N5.4.1; AWS D1.1	1705.2.1
YES	G. FIT-UP OF CJP GROOVE WELDS OF WSS, T-, V-, AND K-JOINTS WITHOUT BACKING (INCLUDING JOINT GEOMETRY) 1) JOINT PREPARATION 2) DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) 3) CLEANLINESS (CONDITION OF STEEL SURFACES) 4) TACKING (TACK WELD QUALITY AND LOCATION)	X	--		
YES	H. CONFIGURATION AND FINISH OF ACCESS HOLES	--	X		
YES	I. FIT-UP OF FILLET WELDS 1) DIMENSIONS (ALIGNMENT, GAPS AT ROOT) 2) CLEANLINESS (CONDITION OF STEEL SURFACES) 3) TACKING (TACK WELD QUALITY AND LOCATION)	--	X		
YES	J. CHECKING WELD EQUIPMENT	--	X		
	2. INSPECTION TASKS DURING WELDING:				
YES	A. CONTROL AND HANDLING OF WELDING CONSUMABLES 1) PACKAGING 2) EXPOSURE CONTROL	--	X		
YES	B. NO WELDING OVER CRACKED TACK WELDS	--	X		
YES	C. ENVIRONMENTAL CONDITIONS 1) WIND SPEED WITHIN LIMITS 2) PREHEATING AND TEMPERATURE	--	X		
YES	D. WPS FOLLOWED 1) SETTINGS ON WELD EQUIPMENT 2) TRAVEL SPEED 3) SELECTED WELDING MATERIALS 4) SHIELDING GAS TYPE/FLOW RATE 5) PREHEAT APPLIED 6) INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) 7) PROPER POSITION (F, V, H, OH)	--	X	AISC 360-16 N5.4.2; AWS D1.1	1705.2.1
YES	E. WELDING TECHNIQUES 1) INTERPASS AND FINAL CLEANING 2) EACH PASS WITHIN PROFILE LIMITATIONS 3) EACH PASS MEETS QUALITY REQUIREMENTS	--	X		
YES	F. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	X	--		
	3. INSPECTION TASKS AFTER WELDING:				
YES	A. WELDS CLEANED	--	X		
YES	B. SIZE, LENGTH AND LOCATION OF WELDS	X	--		
YES	C. WELDS MEET VISUAL ACCEPTANCE CRITERIA 1) CRACK PROHIBITION 2) WELD/BASE-METAL FUSION 3) CRATER CROSS SECTION 4) WELD PROFILES 5) WELD SIZE 6) UNDERCUT 7) POROSITY	X	--	AISC 360-16 N5.4.2; AWS D1.1	1705.2.1
YES	D. ARC STRIKES	X	--		
YES	E. K-AREA	X	--		
YES	F. WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	X	--		
YES	G. BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	X	--		
YES	H. REPAIR ACTIVITIES	X	--		
YES	I. DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	X	--		
YES	J. NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	--	X		

1. INSPECTION TASKS NOTED IN THIS TABLE ARE THE RESPONSIBILITY OF THE SPECIAL INSPECTOR OR QUALITY ASSURANCE INSPECTOR (QAI). THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR ALL INSPECTION TASKS INDICATED IN AISC 360 SECTION N5 AND ASSIGNED TO THE QUALITY CONTROL INSPECTOR (QCI).
2. INSPECTION TASKS MAY BE COORDINATED WITH THE FABRICATOR OR ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) WHERE INDICATED WITH THIS FOOTNOTE. ALL OTHER TASKS SHALL BE PERFORMED BY THE SPECIAL INSPECTOR.
3. WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) OF THE WELD.
4. AFTER HEAVY ROLLED SHAPES (PER AISC 360-16 SECTION A3.1c) AND BUILT-UP HEAVY SHAPES (PER AISC 360-16 SECTION A3.1d) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS.

REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TBAL 1705.23)					
SPECIAL INSPECTION REQUIRED	TYPE	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. INSTALLATION OF OPEN WEB STEEL JOISTS				
	A. END CONNECTIONS - WELDING OR BOLTED	--	X	SJI SPEC. LISTED IN SECTION 2207.1	
	B. BRIDGING - HORIZONTAL OR DIAGONAL	--			
	1. STANDARD BRIDGING	--	X	SJI SPEC. LISTED IN SECTION 2207.1	
	C. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2201.1.		X		

VERIFICATION AND INSPECTION TASKS FOR BOLTING STRUCTURAL STEEL (AISC 360-16 TABLES N5.6)					
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	1. INSPECTION TASKS PRIOR TO BOLTING:				
YES	A. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	X	--		
YES	B. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	--	X		
YES	C. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	--	X		
YES	D. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	--	X	AISC 360-16 N5.6-1	1705.2.1
YES	E. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	--	X		
YES	F. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	--	X		
YES	G. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	--	X		
	2. INSPECTION TASKS DURING BOLTING:				
YES	A. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	--	X		
YES	B. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	--	X	AISC 360-16 N5.6-2	1705.2.1
YES	C. FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	--	X		
YES	D. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RSCS SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	--	X		
	3. INSPECTION TASKS AFTER BOLTING:				
YES	A. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	X	--	AISC 360-16 N5.6-3	1705.2.1

1. INSPECTION TASKS NOTED IN THIS TABLE ARE THE RESPONSIBILITY OF THE SPECIAL INSPECTOR OR QUALITY ASSURANCE INSPECTOR (QAI). THE FABRICATOR AND ERECTOR ARE RESPONSIBLE FOR ALL INSPECTION TASKS INDICATED IN AISC 360-16 SECTION N5 AND ASSIGNED TO THE QUALITY CONTROL INSPECTOR (QCI).
2. INSPECTION TASKS MAY BE COORDINATED WITH THE FABRICATOR OR ERECTOR'S QUALITY CONTROL INSPECTOR (QCI) WHERE INDICATED WITH THIS FOOTNOTE. ALL OTHER TASKS SHALL BE PERFORMED BY THE SPECIAL INSPECTOR.

VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL (IBC TABLE 1705.2.2)					
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	1. INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:				
YES	A. VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	X	--	SDI QA/QC TABLE 1.1	
YES	B. DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	X	--		
YES	A. VERIFY COMPLIANCE OF DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	X	--	SDI QA/QC TABLE 1.2	
YES	B. VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	X	--		
YES	C. DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	X	--		
	3. INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:				
YES	A. WELDING PROCEDURE SPECIFICATION (WPSs) AVAILABLE	--	X	SDI QA/QC TABLE 1.3	
YES	B. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	--	X		
YES	C. MATERIAL IDENTIFICATION (TYPE GRADE)	--	X		
YES	D. CHECK WELDING EQUIPMENT	--	X		
	4. INSPECTION OR EXECUTION TASKS DURING WELDING:				
YES	A. USE OF QUALIFIED WORKERS	--	X	SDI QA/QC TABLE 1.4	
YES	B. CONTROL OF WELDING CONSUMABLES	--	X		
YES	C. ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	--	X		
YES	D. WPS FOLLOWED	--	X		
	5. INSPECTION OR EXECUTION TASKS AFTER WELDING:				
YES	A. VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDE LAP, AND PERIMETER WELDS	X	--	SDI QA/QC TABLE 1.5	
YES	B. WELDS MEET VISUAL ACCEPTANCE CRITERIA	X	--		
YES	C. VERIFY REPAIR ACTIVITIES	X	--		
YES	D. DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	X	--		
	6. INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENINGS:				
YES	A. MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	--	X	SDI QA/QC TABLE 1.6	
YES	B. PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	--	X		
YES	C. PROPER STORAGE FOR MECHANICAL FASTENERS	--	X		
	7. INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENINGS:				
YES	A. FASTENERS ARE POSITIONED AS REQUIRED	--	X	SDI QA/QC TABLE 1.7	
YES	B. FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	--	X		
	8. INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENINGS:				
YES	A. CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT, SIDE LAP, AND PERIMETER FASTENERS	--	X	SDI QA/QC TABLE 1.8	
YES	B. VERIFY REPAIR ACTIVITIES	--	X		
YES	C. DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	--	X		
	9. COLD-FORMED TRUSSES OVER 60'-0", INSPECTOR SHALL VERIFY THE FOLLOWING:				
YES	A. TEMPORARY INSTALLATION RESTRAINT/BRACING PER APPROVED TRUSS SUBMITTAL	--	X		1705.2.4
YES	B. PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/ BRACING ARE INSTALLED PER APPROVED TRUSS SUBMITTAL	--	X		

VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (IBC TABLE 1705.3)					
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	--	X	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3	--
YES	2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A708 B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" C. INSPECT ALL OTHER WELDS	--	--	AWS D1.4 ACI 318: 26.6.4	--
YES	3. INSPECTION OF ANCHORS CAST IN CONCRETE	--	X	ACI 318: 17.8.2	--
	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS B. MECHANICAL ANHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A	X	--	ACI 318: 17.8.2.4	--
YES	5. VERIFYING USE OF REQUIRED DESIGN MIX.	--	X	ACI 318: CH 19, 26.4.3, 26.4.4	
YES	6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--	ASTM C31, ASTM C172, ACI 318: 26.5, 26.12	--
YES	7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	--	ACI 318: 26.5	--
YES	8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X	ACI 318: 26.5.3-26.5.5	
	9. INSPECTION OF PRESTRESSED CONCRETE: A. APPLICATION OF PRESTRESSING FORCES: B. GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM:	X	--	ACI 318: 26.10	--
YES	10. ERECTION OF PRECAST CONCRETE MEMBERS.	--	X	ACI 318: 26.9	--
NO	11. FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (ADE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT FOR: A. INSTALLATION OF EMBEDDED PARTS B. COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS C. COMPLETION OF CONNECTIONS IN THE FIELD	X	--	ACI 318: 26.13.1.3 ACI 550.5	--
NO	12. INSPECT INSTALLATION OF TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5	--	X	ACI 318: 26.13.1.3	--
YES	12. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	--	X	ACI 318: 26.11.2	--
YES	13. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBERS BEING FORMED.	--	X	ACI 318: 26.11.1.2(b)	--

VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (TMS 602 TABLE 3 & 4)					
VERIFICATION, INSPECTION AND TESTING	FREQUENCY*			REFERENCED STANDARD	IBC REFERENCE
	LEVEL 1	LEVEL 2	LEVEL 3		
MINIMUM VERIFICATION					
1. PRIOR TO CONSTRUCTION, VERIFY COMPLIANCE OF SUBMITTALS	R	R	R	TMS 602:1.5	1705.4
2. VERIFICATION OF FM/AND FAAC PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE	NR	R	R	TMS 602:1.4B	
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE IN ACCORDANCE WITH ARTICLE 1.5.B.1.B.3 FOR SELF-CONSOLIDATING GROUT	NR	R	R	TMS 602:1.5, 1.6.3	
4. DURING CONSTRUCTION, VERIFICATION OF FM AND FAAC FOR EVERY 5000 SQUARE FEET (465 SQUARE METERS)	NR	NR	R	TMS 602:1.4B	
5. DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.	NR	NR	R	TMS 602:1.4B	
INSPECTION TASKS					
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					1705.4
A. PROPORTIONS OF SITE-PREPARED MORTAR	NR	P	P	TMS 602: 2.1, 2.6A, 2.6C	
B. CONSTRUCTION OF MORTAR JOINTS	NR	P	P	TMS 602: 2.4B, 2.4H	
C. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	NR	P	P	TMS 602: 3.4, 3.6A	
D. PRESTRESSING TECHNIQUE	NR	P	P	TMS 602: 3.6B	
E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	NR	C**/P***	C	TMS 602: 2.1, C.1	
F. SAMPLE PANEL CONSTRUCTION	NR	P	C	TMS 602: 1.6D	
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
A. GROUT SPACE	NR	P	C	TMS 602: 3.2D, 3.2F	
B. GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	NR	P	P	TMS 402: 10.8, 10.9 TMS 602: 2.4, 3.6	
C. PLACEMENT OF REINFORCEMENT, CONNECTORS AND PRESTRESSING TENDONS AND ANCHORAGES	NR	P	C	TMS 402: 6.1.3, 1.6.3.6, 6.3.7, TMS 602: 3.2E, 3.4	
D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	NR	P	P	TMS 602: 2.6B, 2.4, G.1.b	
3. VERIFY DURING CONSTRUCTION:					
A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	NR	P	P	TMS 602:1.5	
B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	NR	P	P	TMS 602: 3.3B	
C. SIZE AND LOCATION OF STRUCTURAL ELEMENTS	NR	P	P	TMS 602: 3.3F	
D. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION	NR	P	C	TMS 402: 1.2.1(e), 6.2.1, 6.3.1	
E. WELDING OF REINFORCEMENT	NR	C	C	TMS 402: 6.1, 6.1.2	
F. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F (4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F (32.2°C))	NR	P	P	TMS 602: 1.8C, 1.8D	
G. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	NR	C	C	TMS 602: 3.6B	
H. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	NR	C	C	TMS 602: 3.5, 3.6C	
I. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	NR	C**/P***	C	TMS 602: 3.3 V.9, 3.3 F.1.b	
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS	NR	P	C	TMS 602: 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, 1.4 B.4	

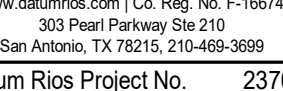
* FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED BY THE TABLE.
R = REQUIRED, NR = NOT REQUIRED, P = PERIODIC, C = CONTINUOUS

** REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY
*** REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY

VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1705.6)					
SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	--	X	--	1705.6
YES	2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	--	X	--	1705.6
YES	3. PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	--	X	--	1705.6
YES	4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X	--	--	1705.6
YES	5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	--	X	--	1705.6

VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (IBC TABLE 1705.8)					
SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	X	--	--	1705.8
YES	2. VERIFY PLACEMENT LOCATIONS AND PLUMBNESS. CONFIRM ELEMENT DIAMETERS, BELL DIAMETERS (IF APPLICABLE), LENGTHS, EMBEDMENT INTO BEDROCK (IF APPLICABLE) AND ADEQUATE END BEARING STRATA CAPACITY. RECORD CONCRETE OR GROUT VOLUMES.	X	--	--	1705.8
YES	3. FOR CONCRETE ELEMENTS, PERFORM ADDITIONAL INSPECTIONS IN ACCORDANCE WITH IBC SECTION 1705.3.	--	--	--	1705.8

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A circular professional engineer seal for the State of Texas. The outer ring contains the text "STATE OF TEXAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by small stars. In the center, there is a five-pointed star above the name "NICK KRATKIEWICZ". Below the name is the license number "134435" and the word "LICENSED" in a smaller font.

01/05/2011
SHEET ISSUE DATE

NO	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X+B2-Y CLEANROOMS
B2	12/15/2023	GMP #3 - BULLETIN 02 B2-X+B2-Y CLEANROOMS
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

MER CLEANROOM BUILD-OUT AND EXPANSION

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME: MICROELECTRONICS RESEARCH CENTER



TEXAS

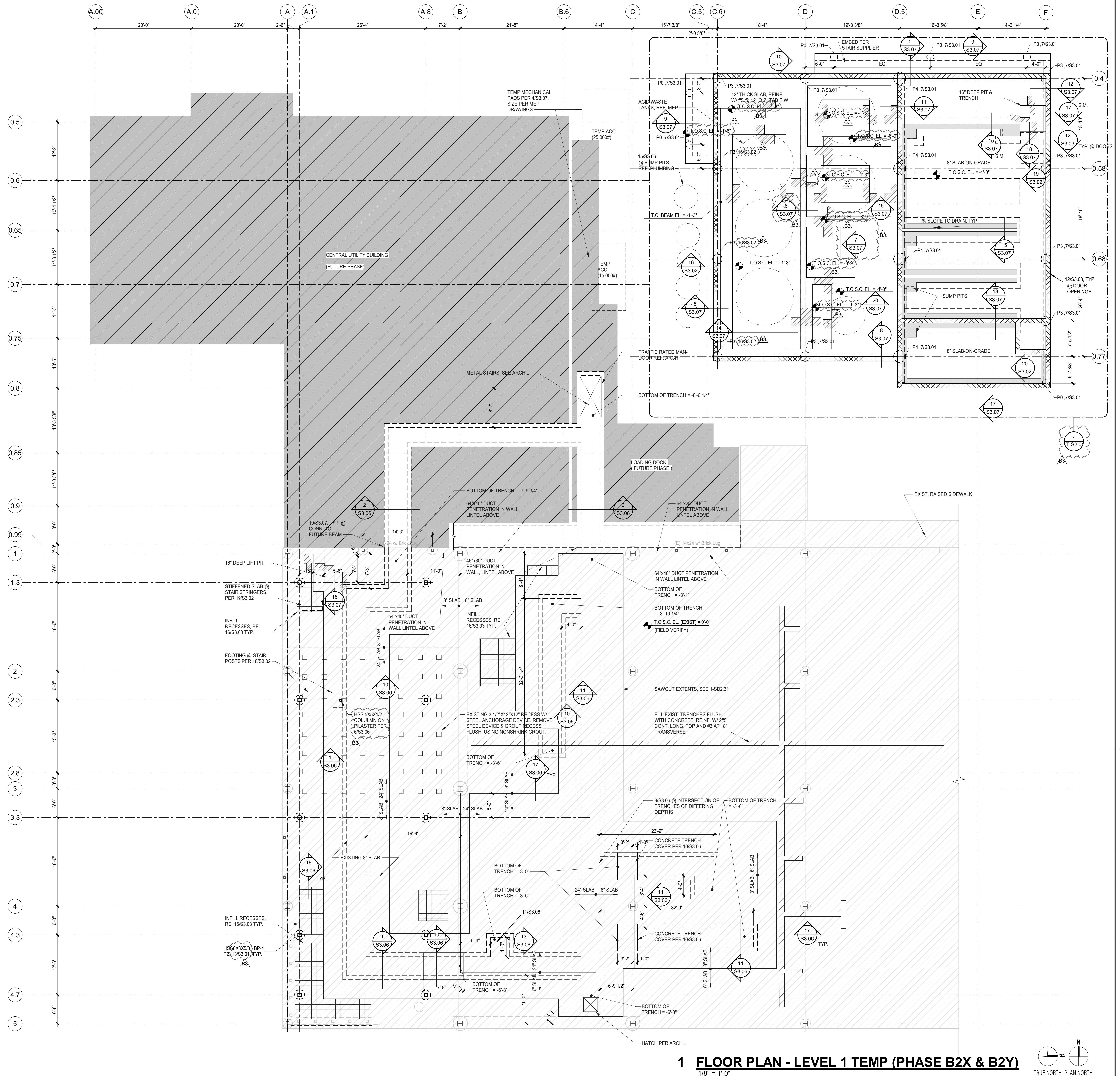
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PHASE B-2**

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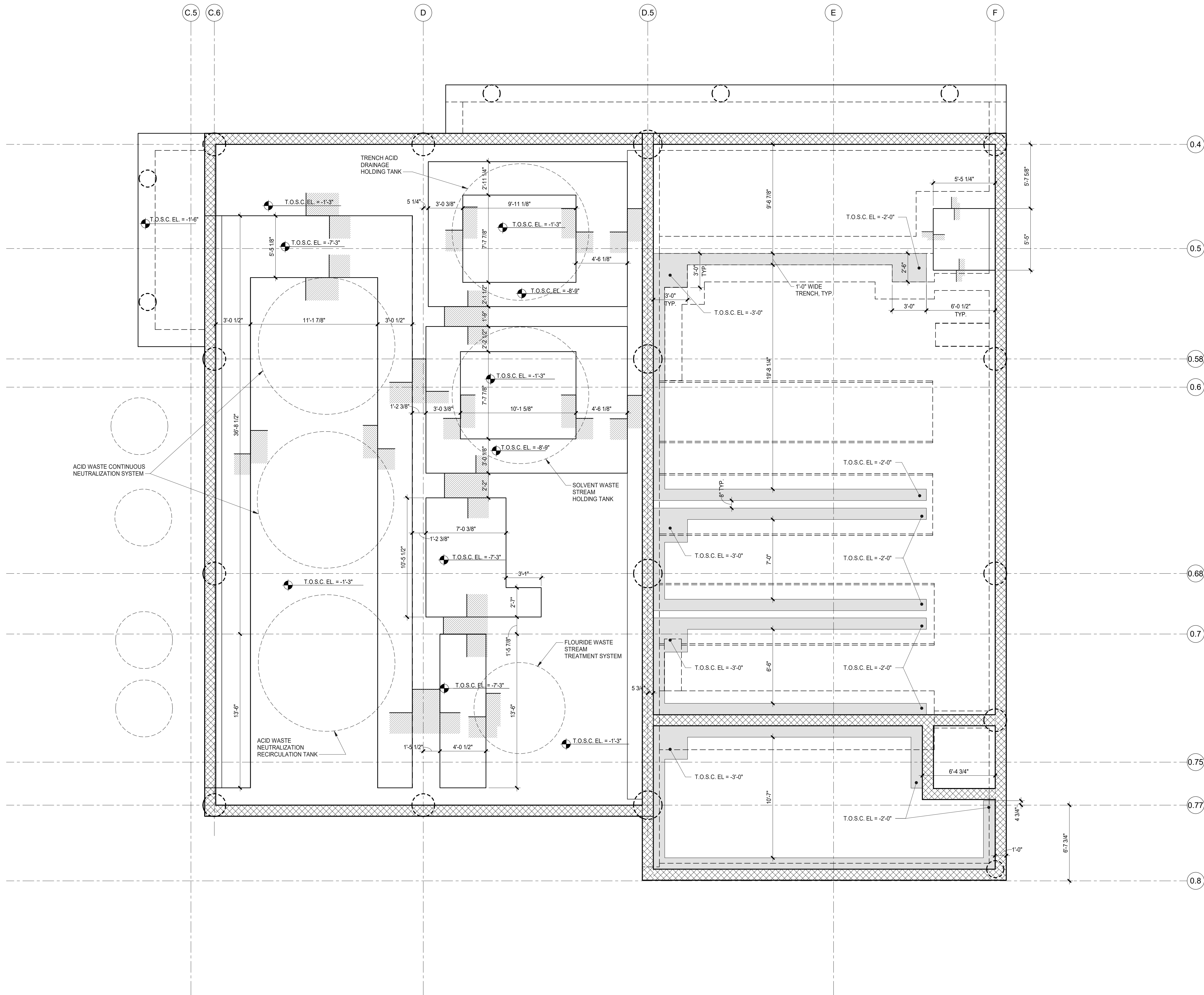
FLOOR PLAN - LEVEL 1
B2X & B2Y (TEMP)

1T-S1.01



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1 **ACID WASTE & CHEMICAL STORAGE DIMENSION PLAN**
1/4" = 1'-0"

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CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

DR
Datum Rios
www.datumrios.com | Co. Reg. No. F-16674
303 West Parkway, Suite 210
San Antonio, TX 78215, 210-469-3699
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ORIGINAL ISSUE DATE 01/05/24
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM BUILD-OUT AND EXPANSION

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

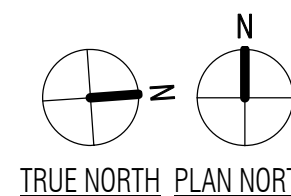
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PHASE B-2**

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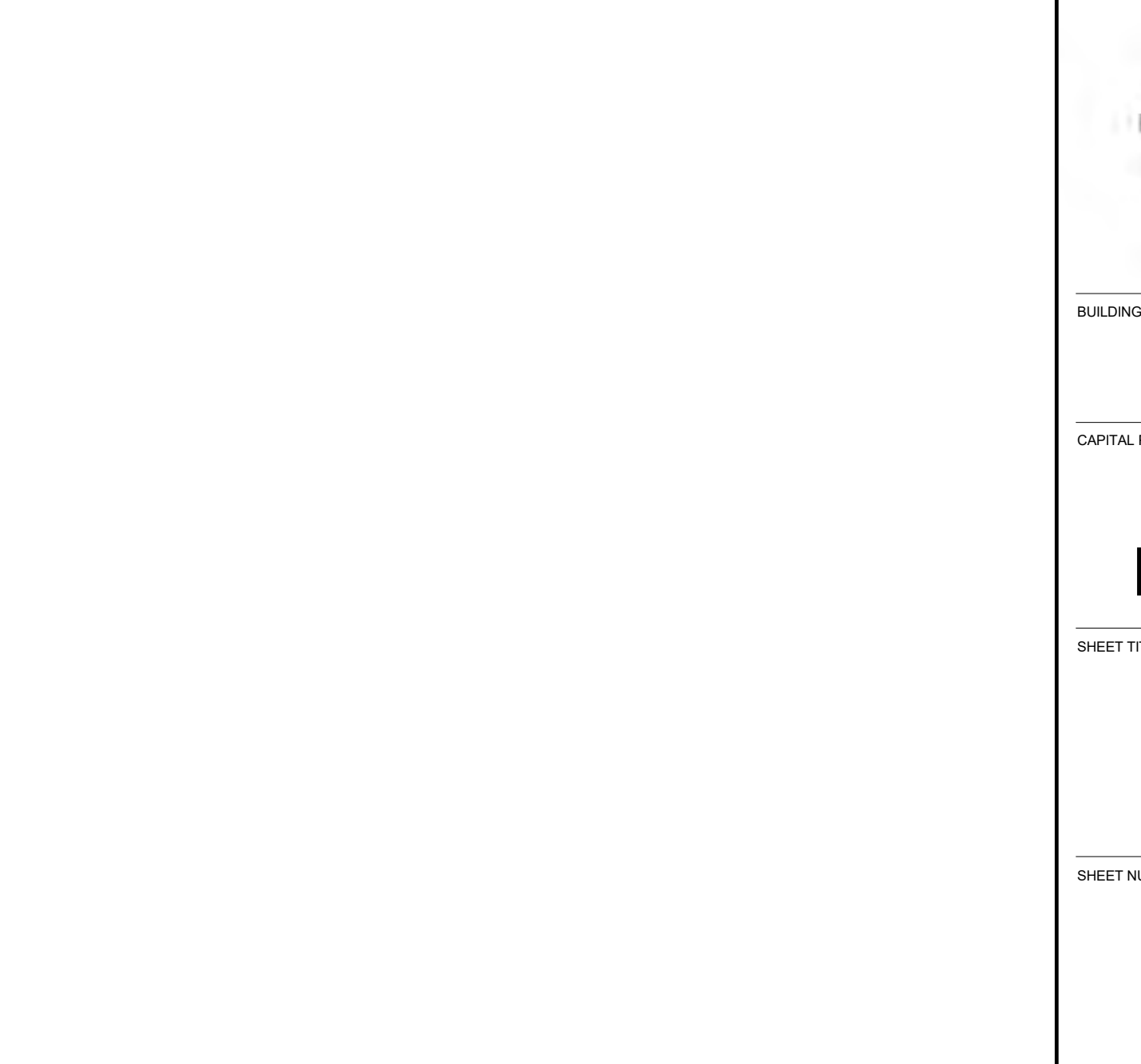
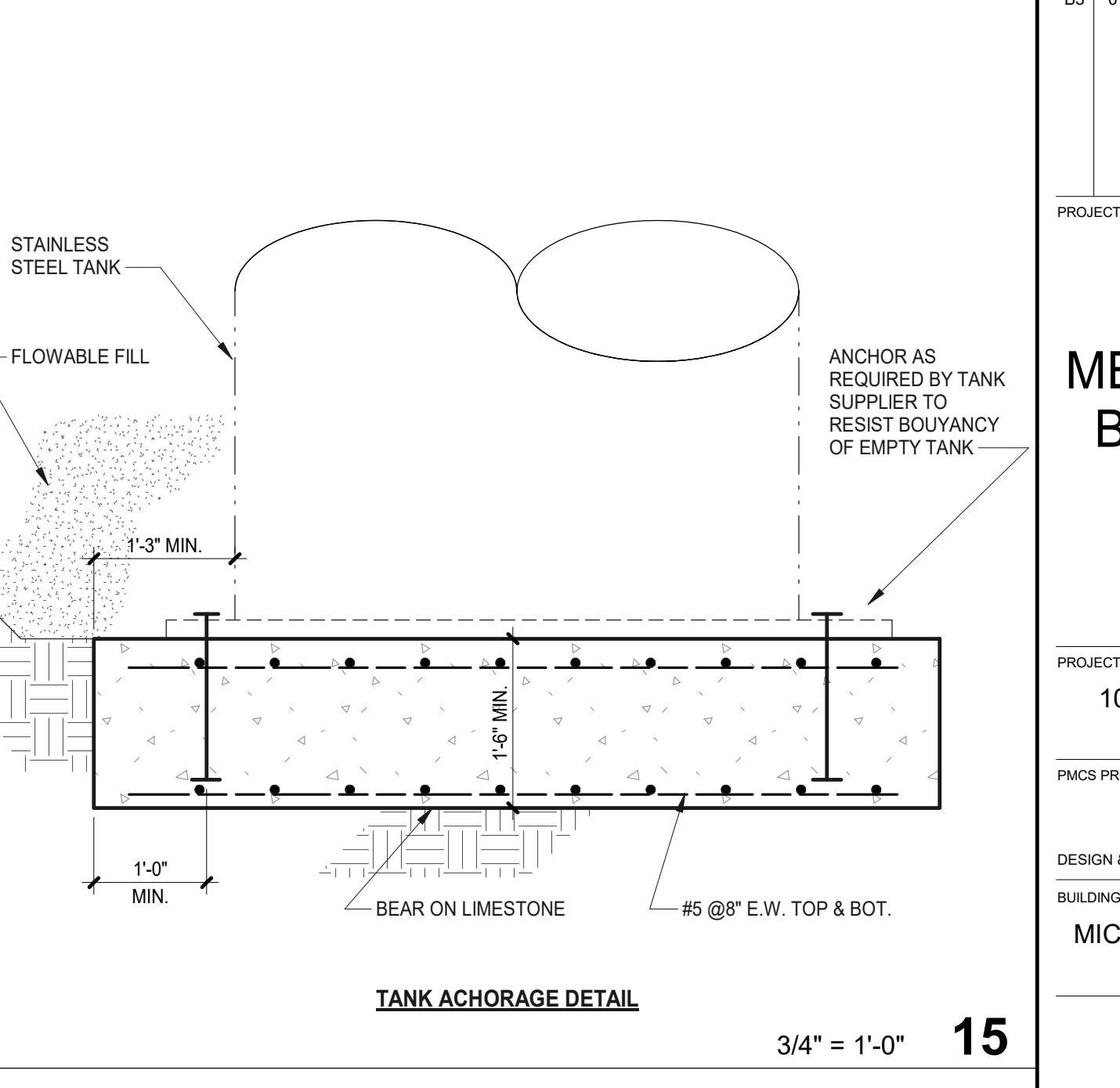
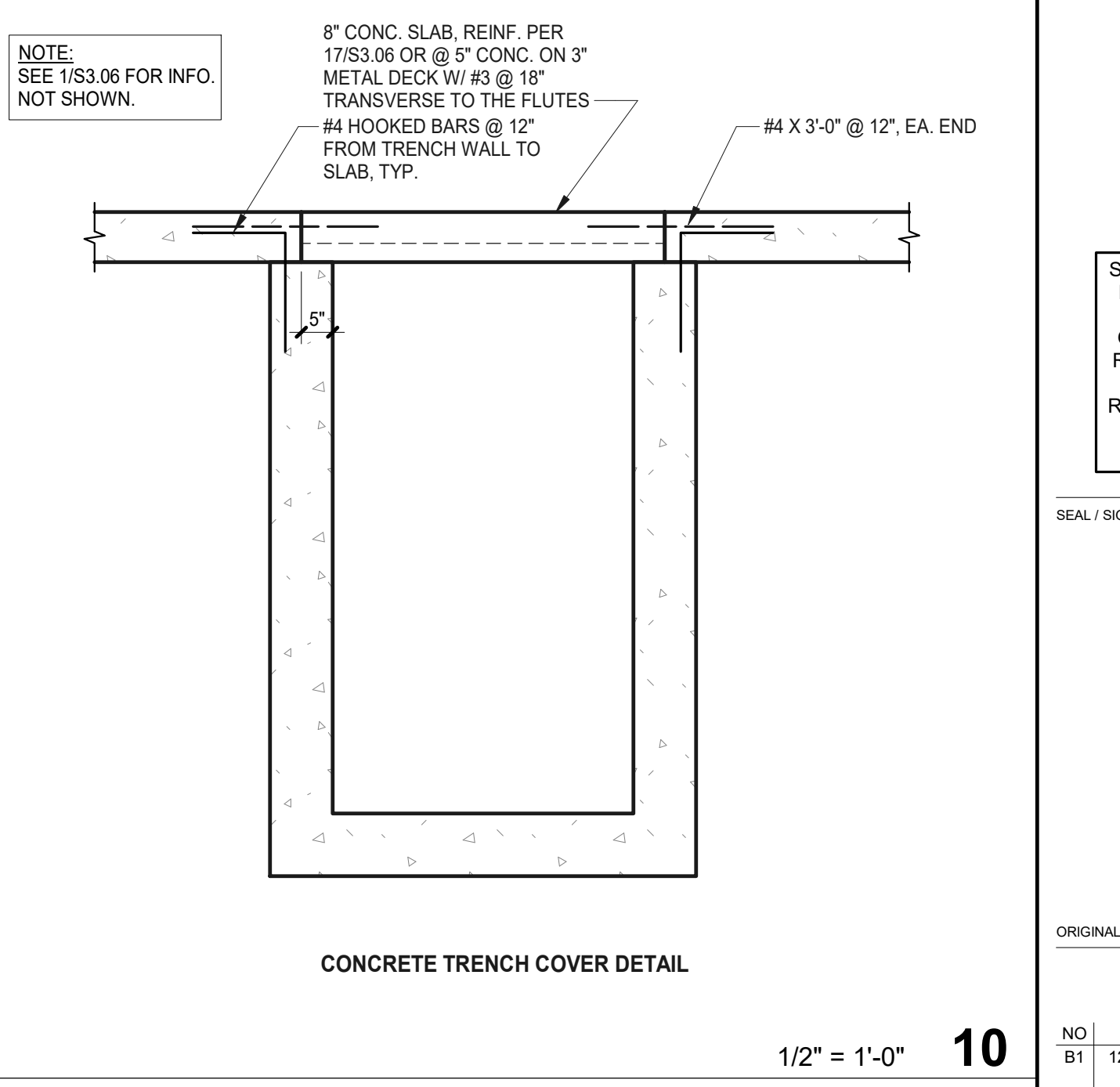
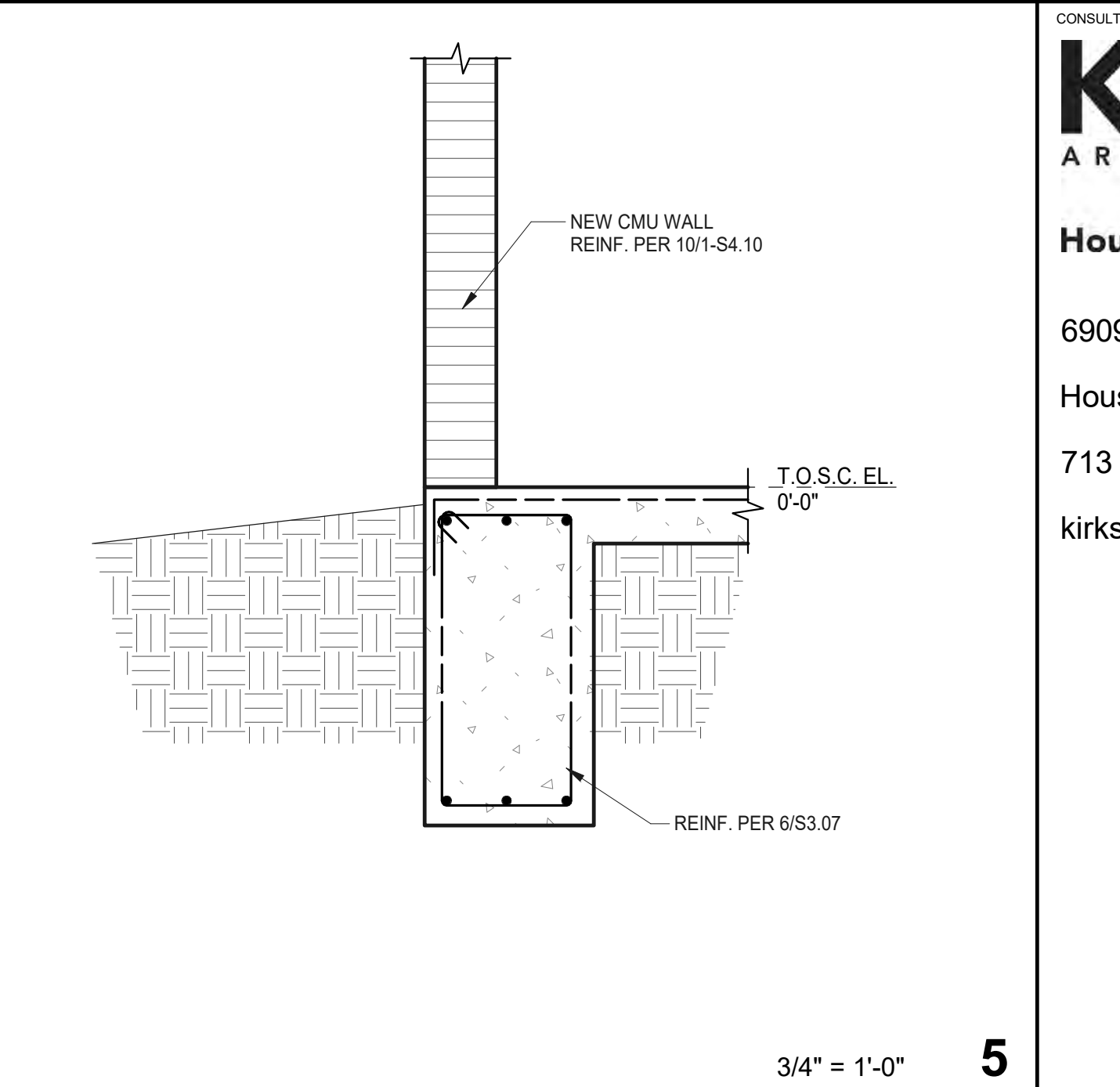
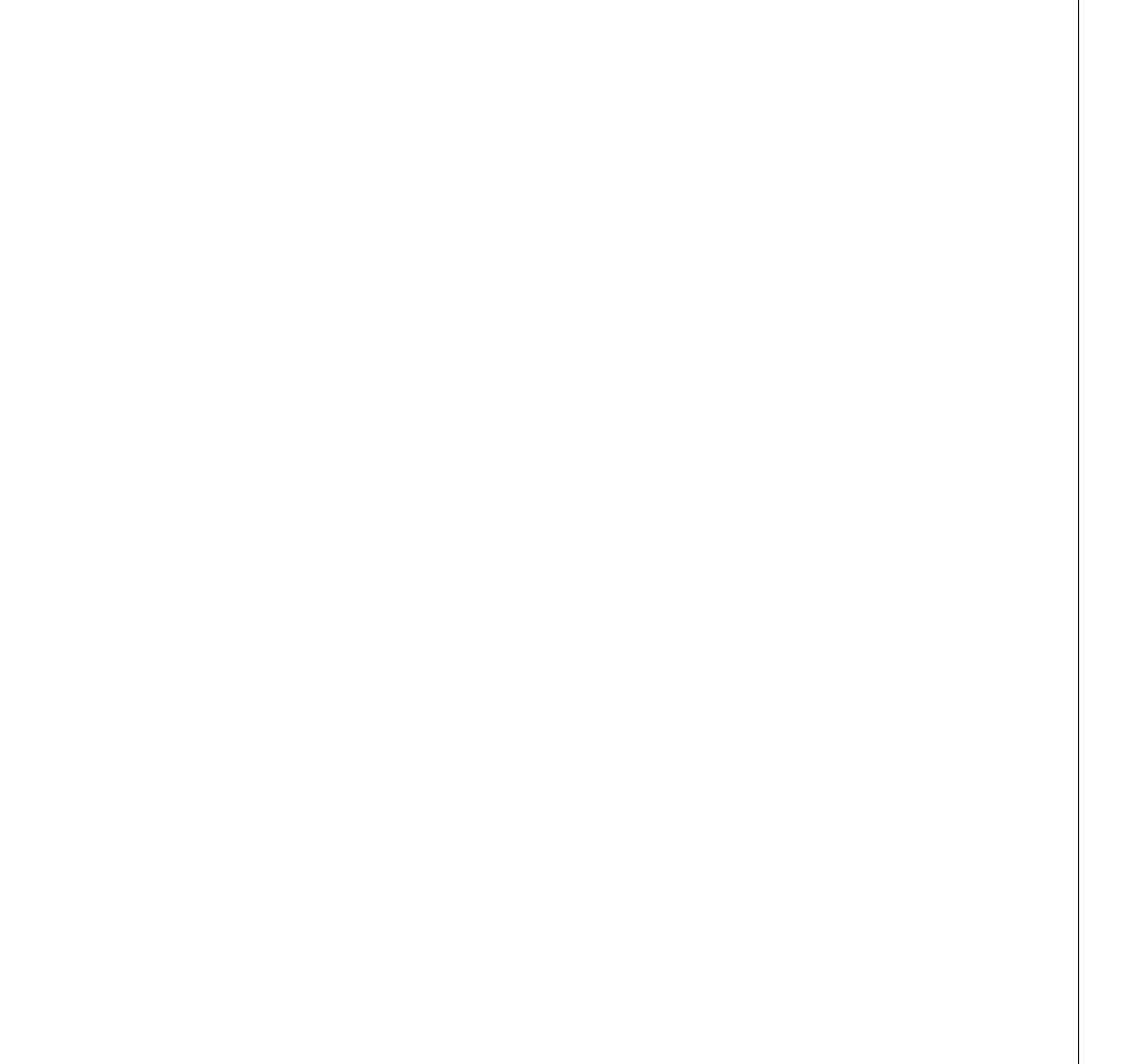
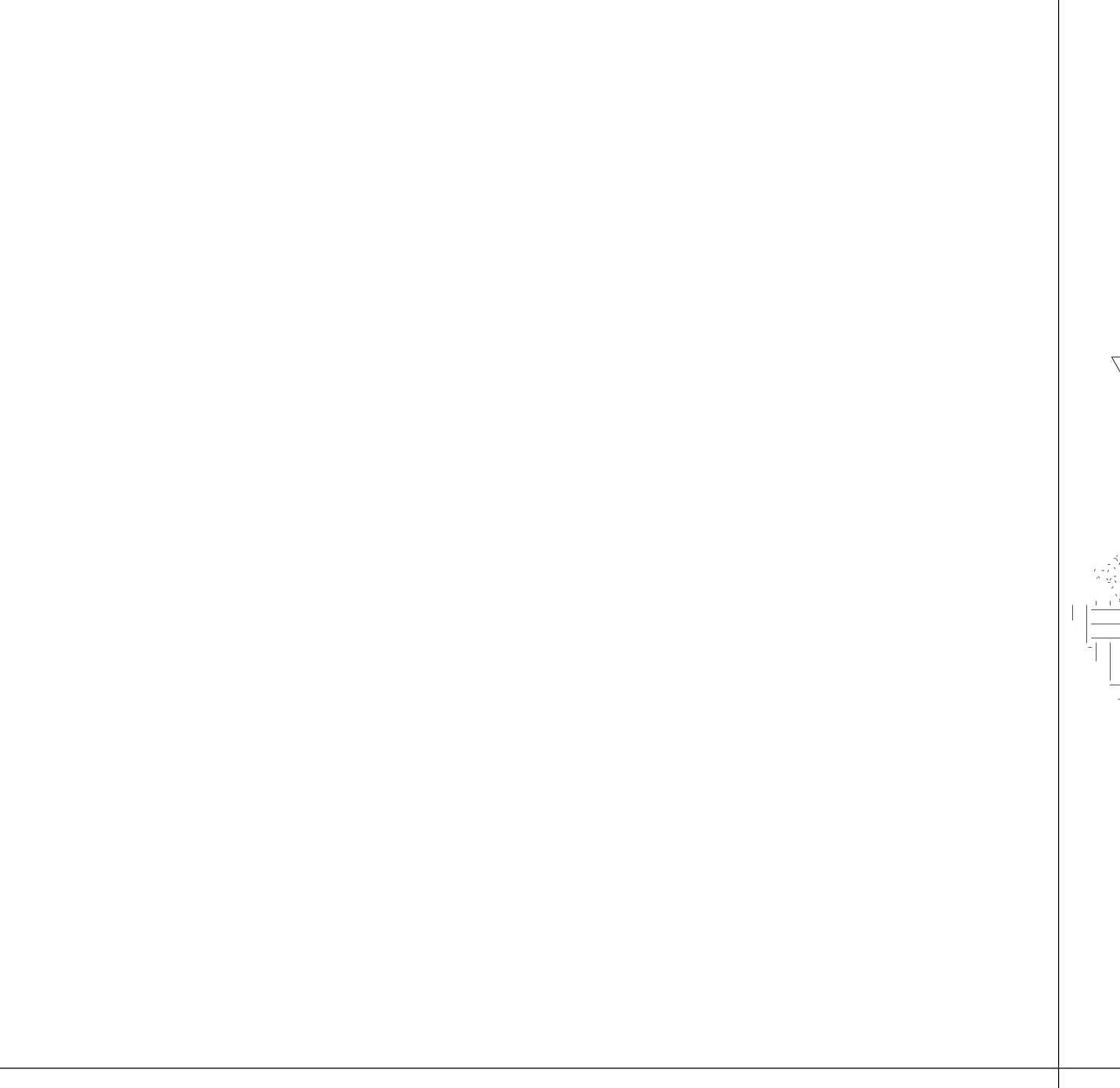
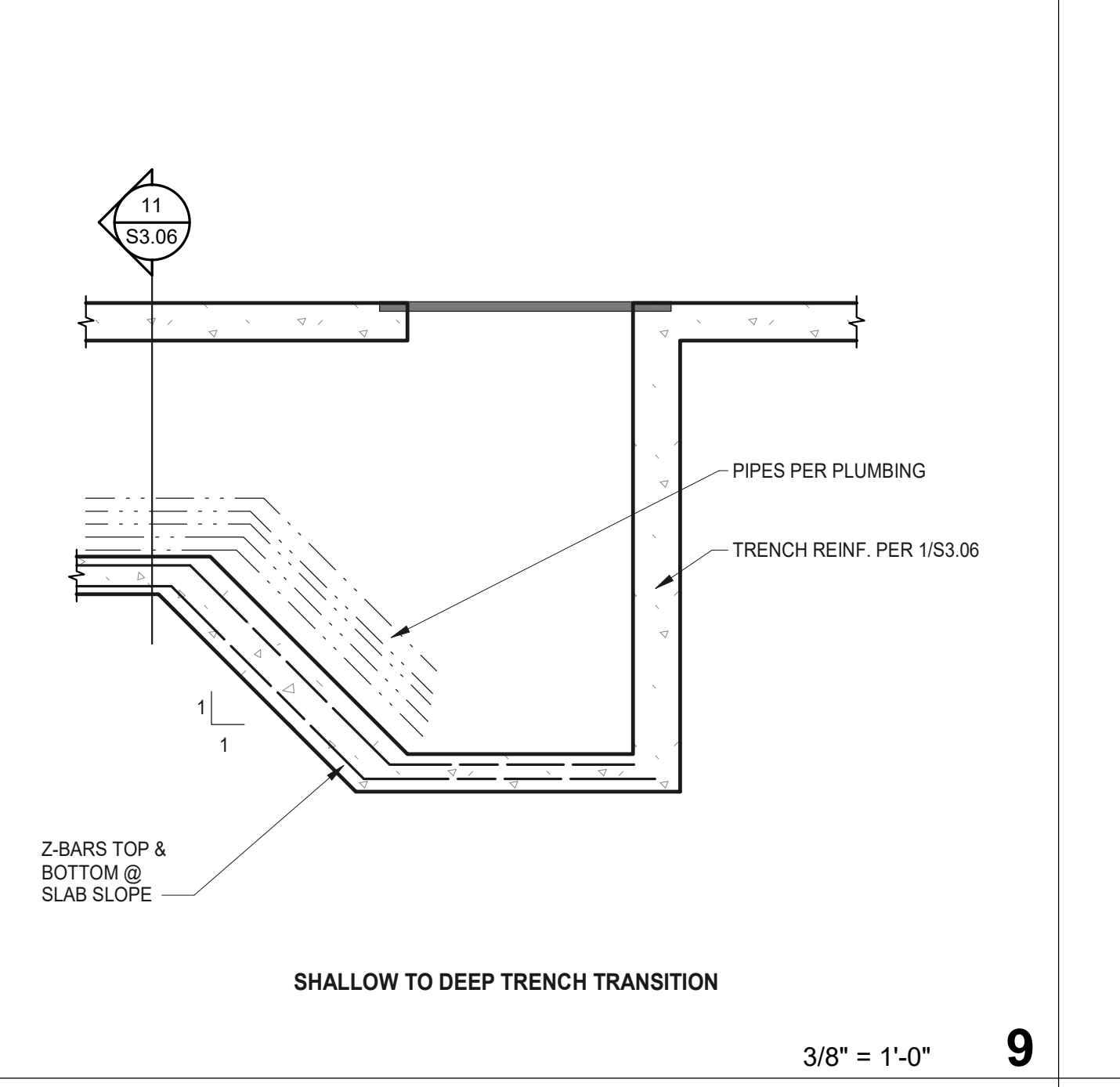
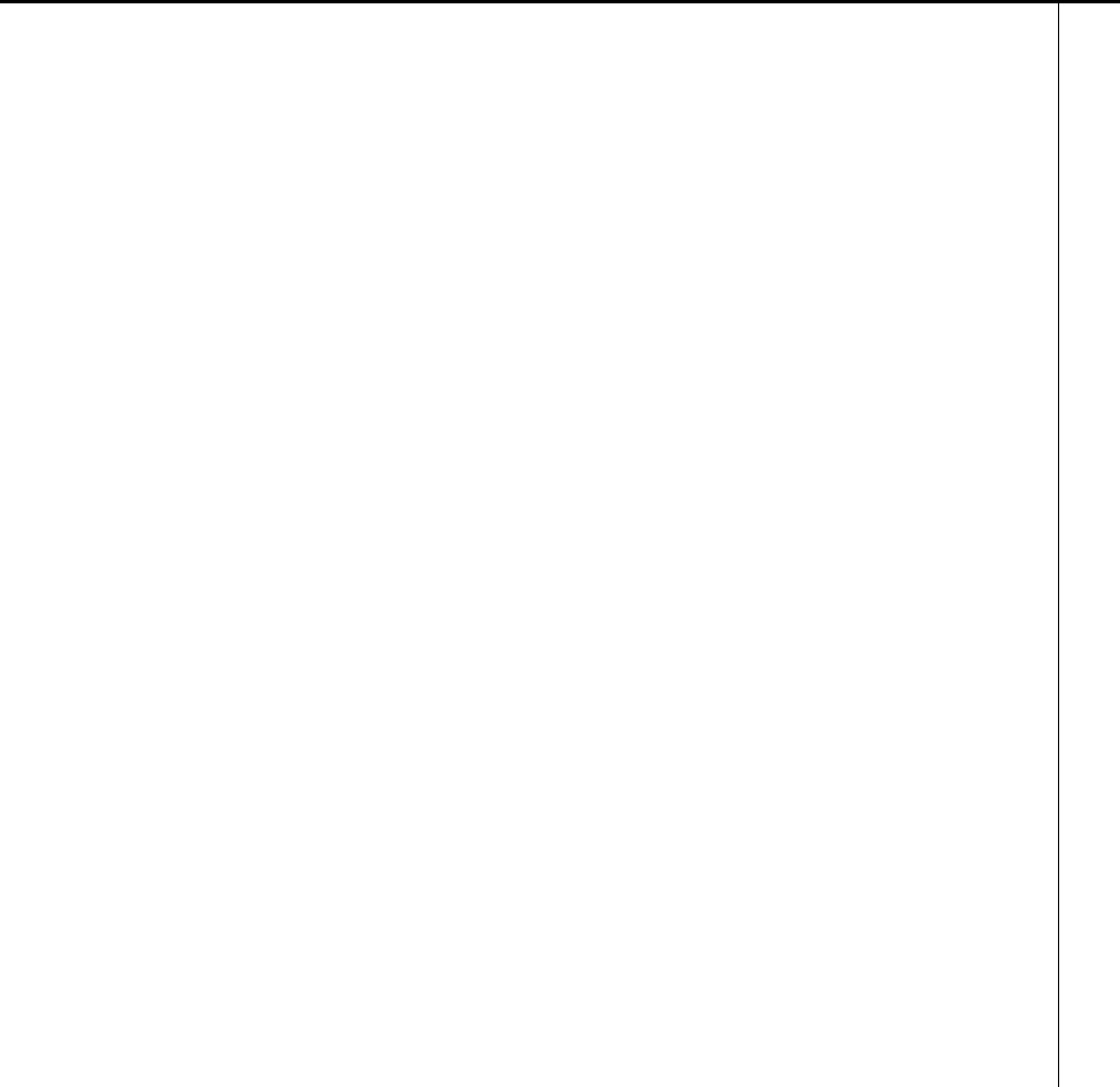
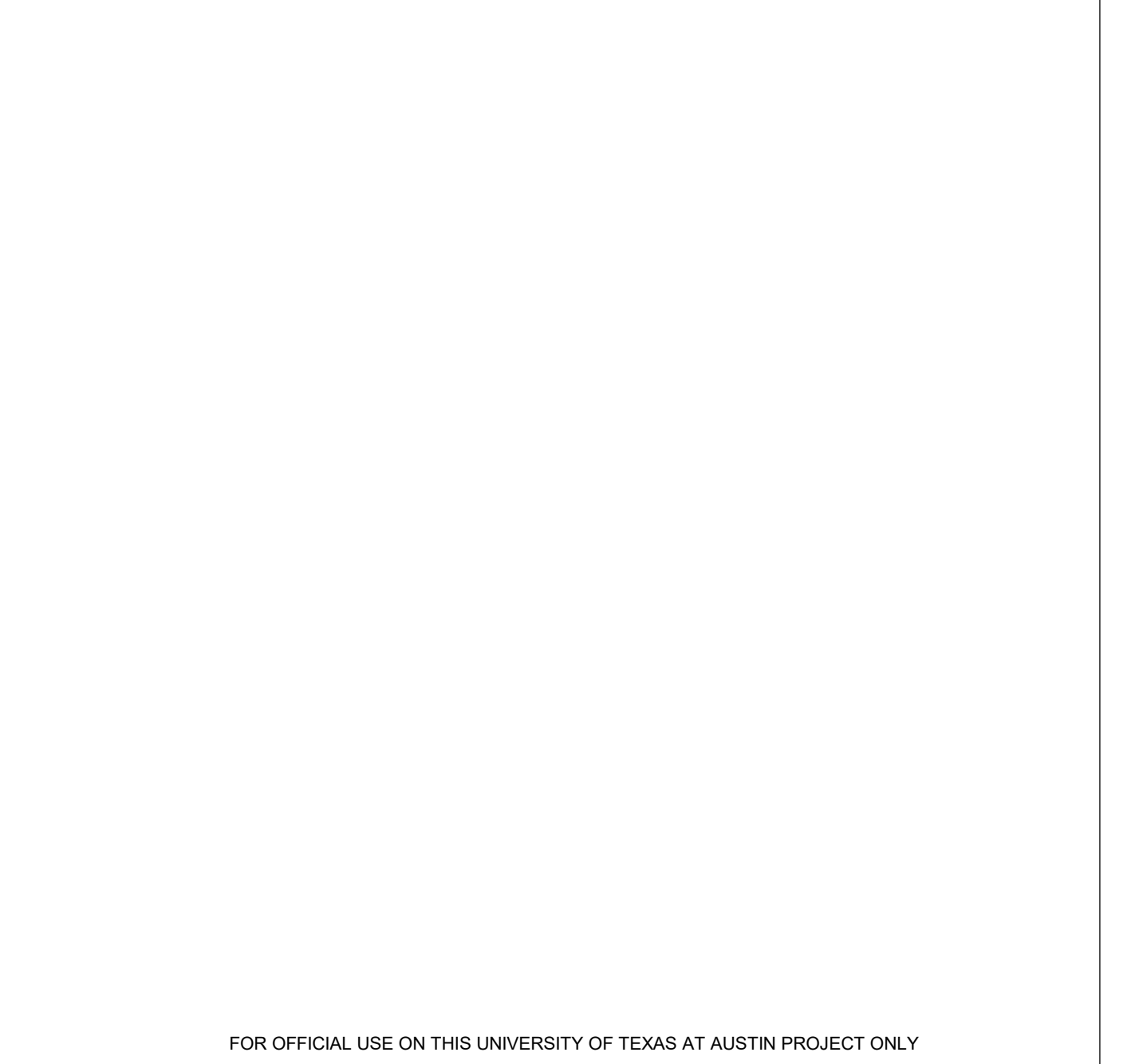
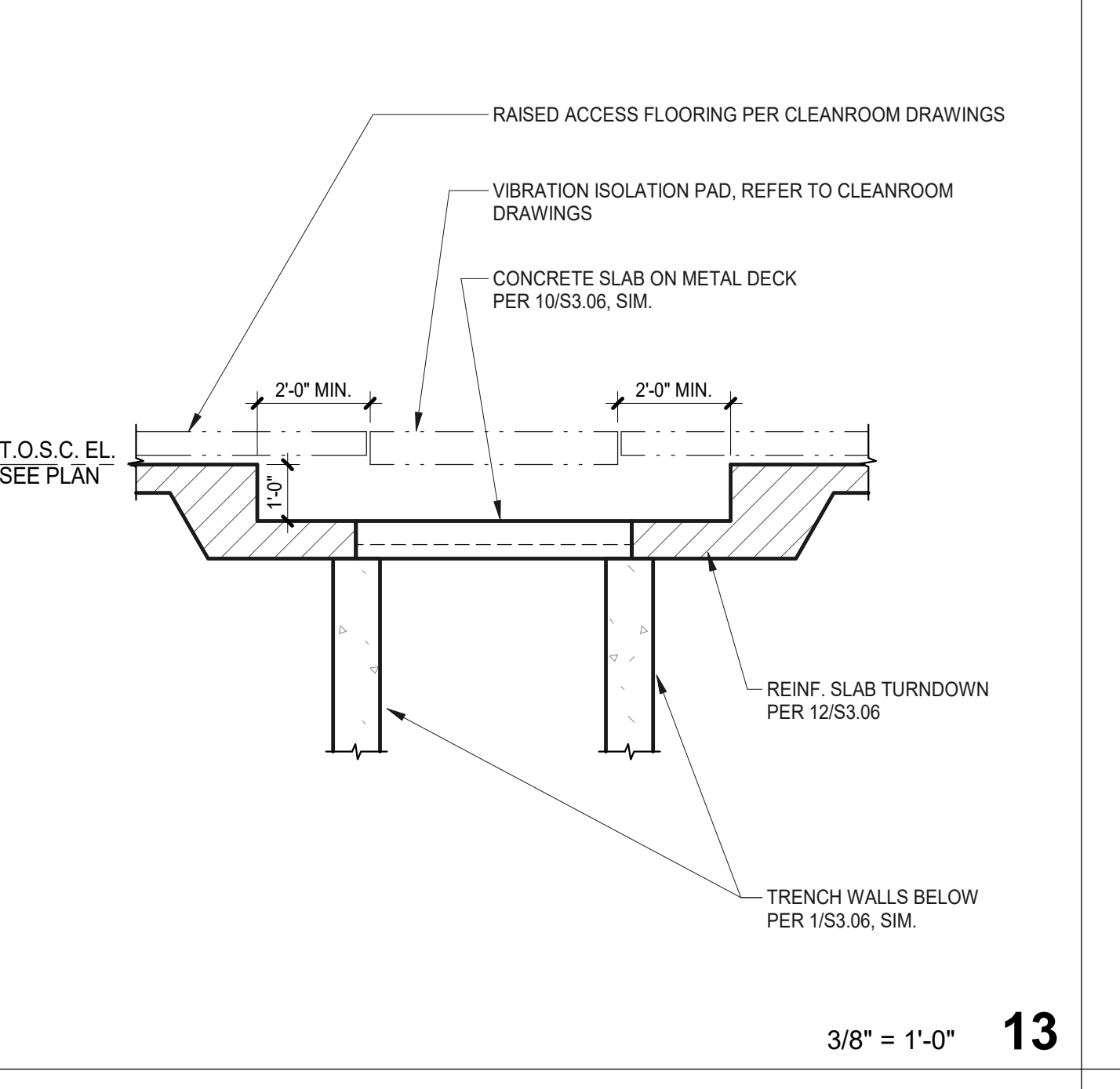
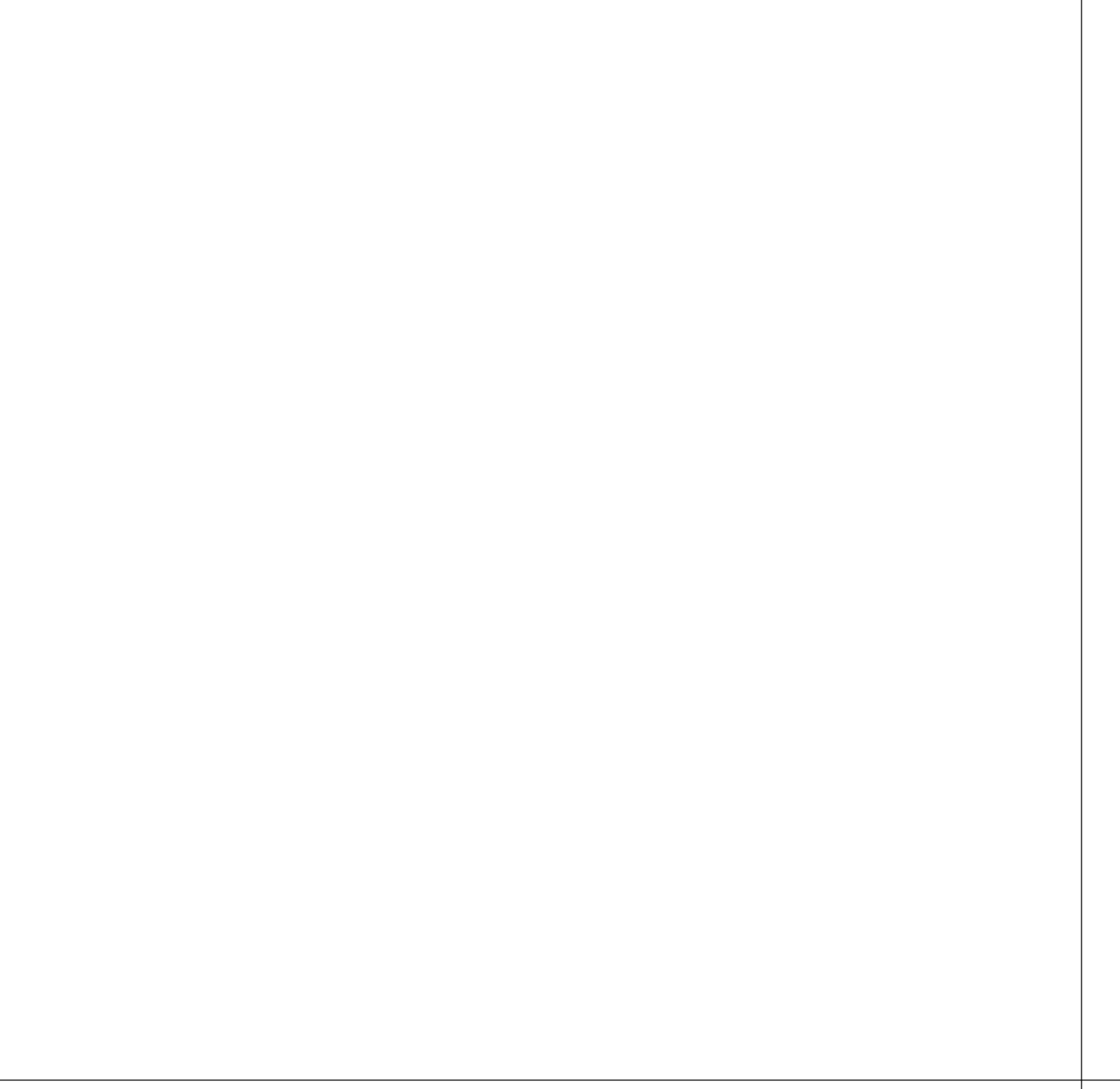
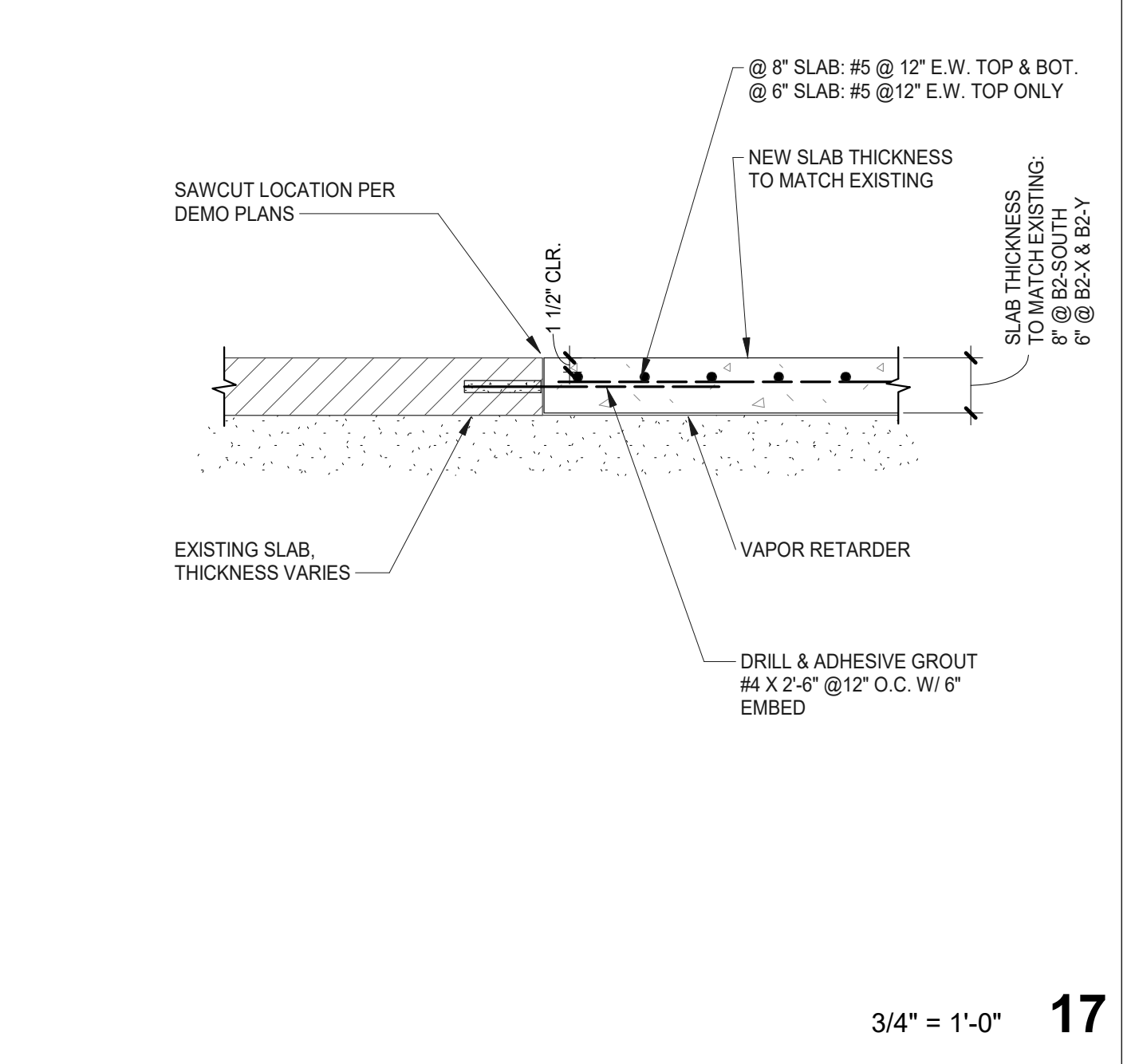
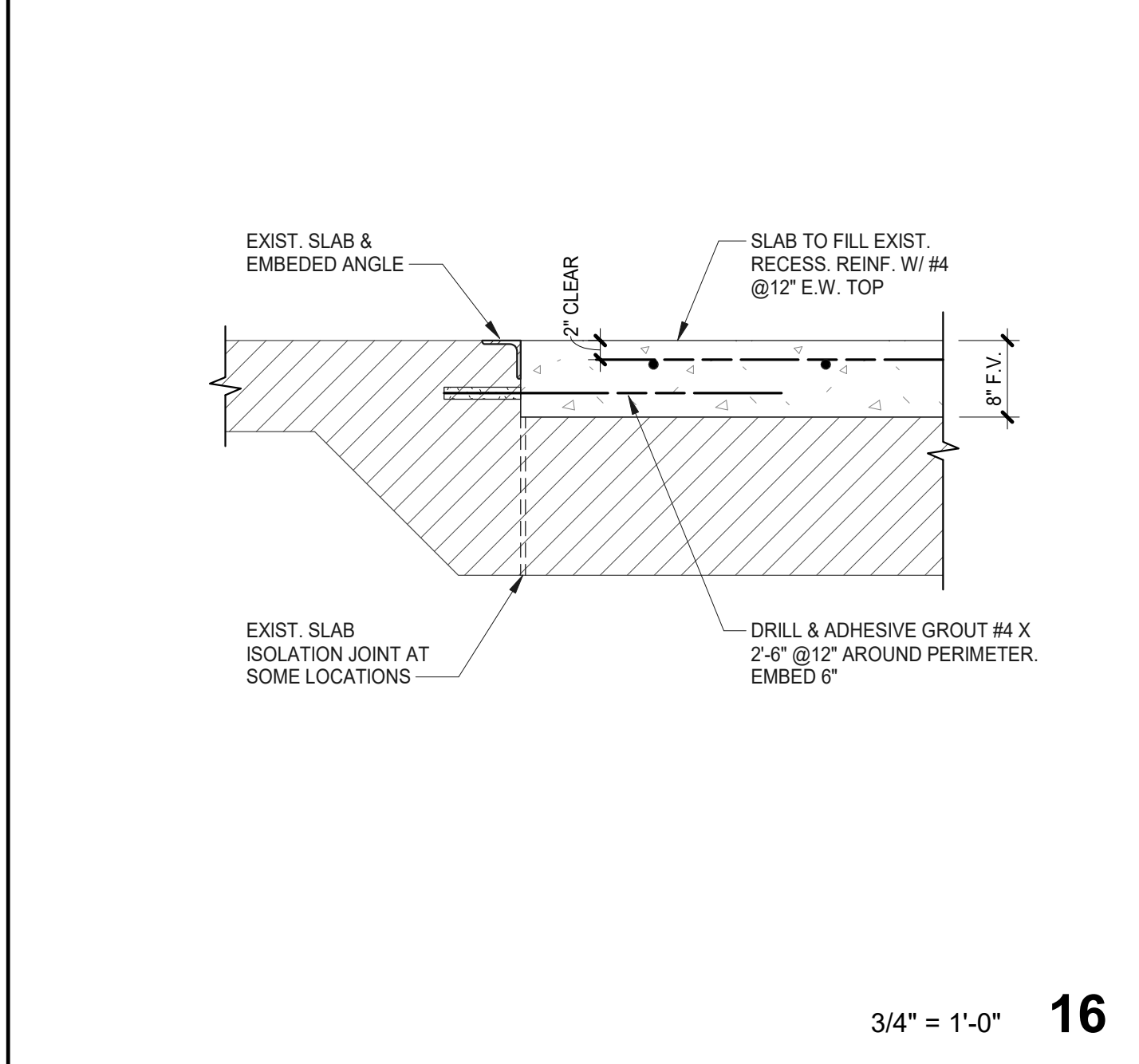
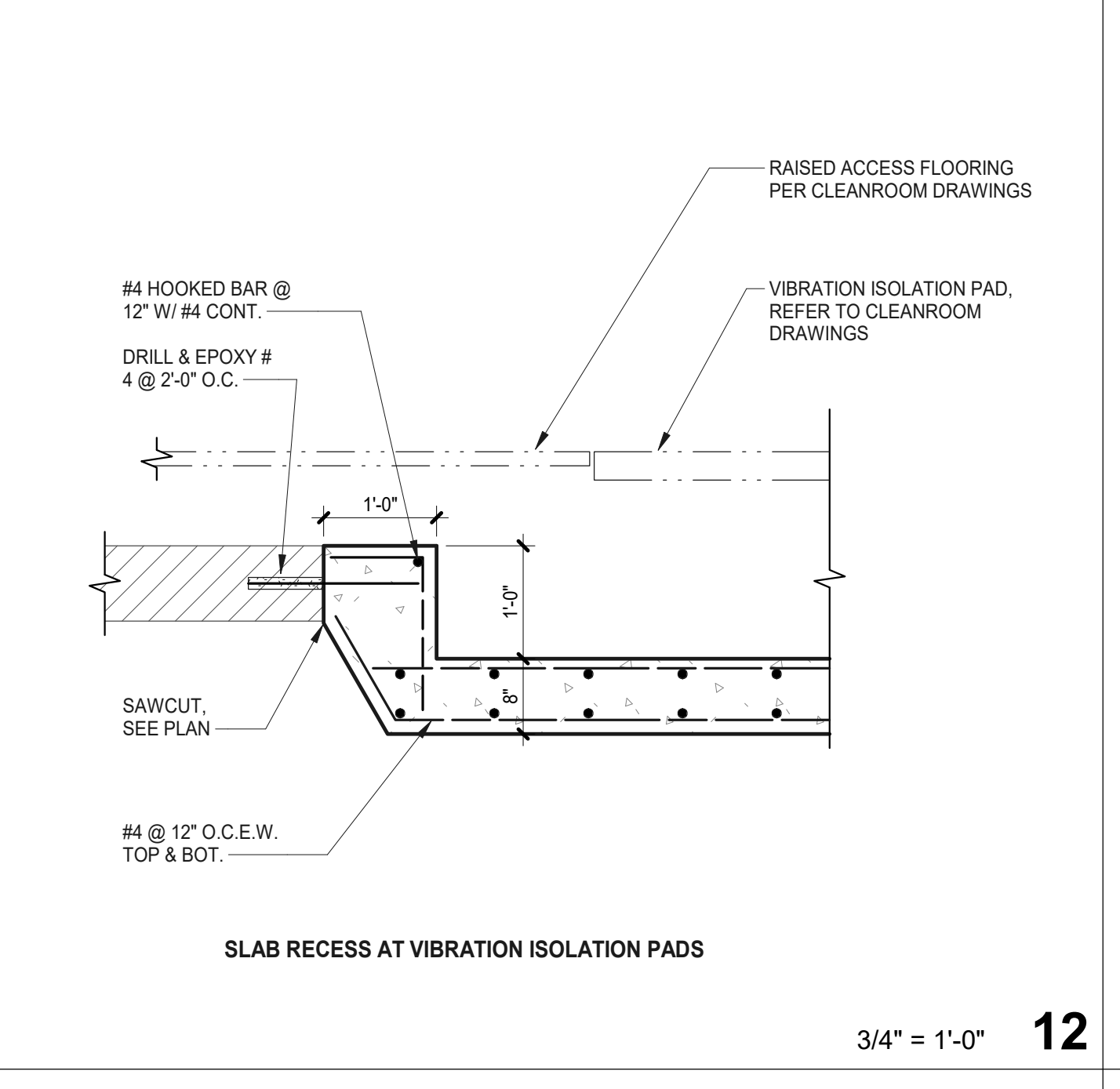
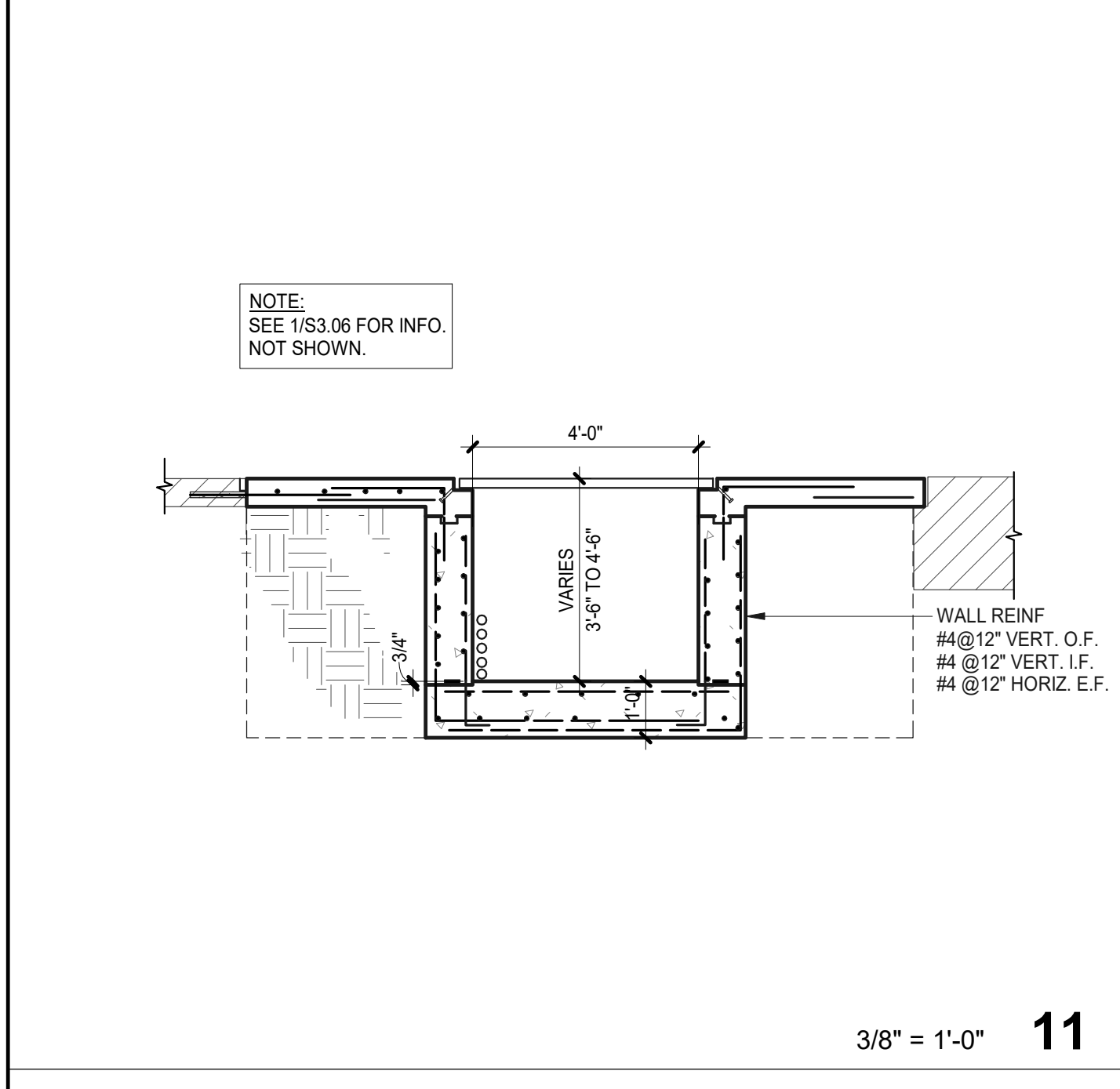
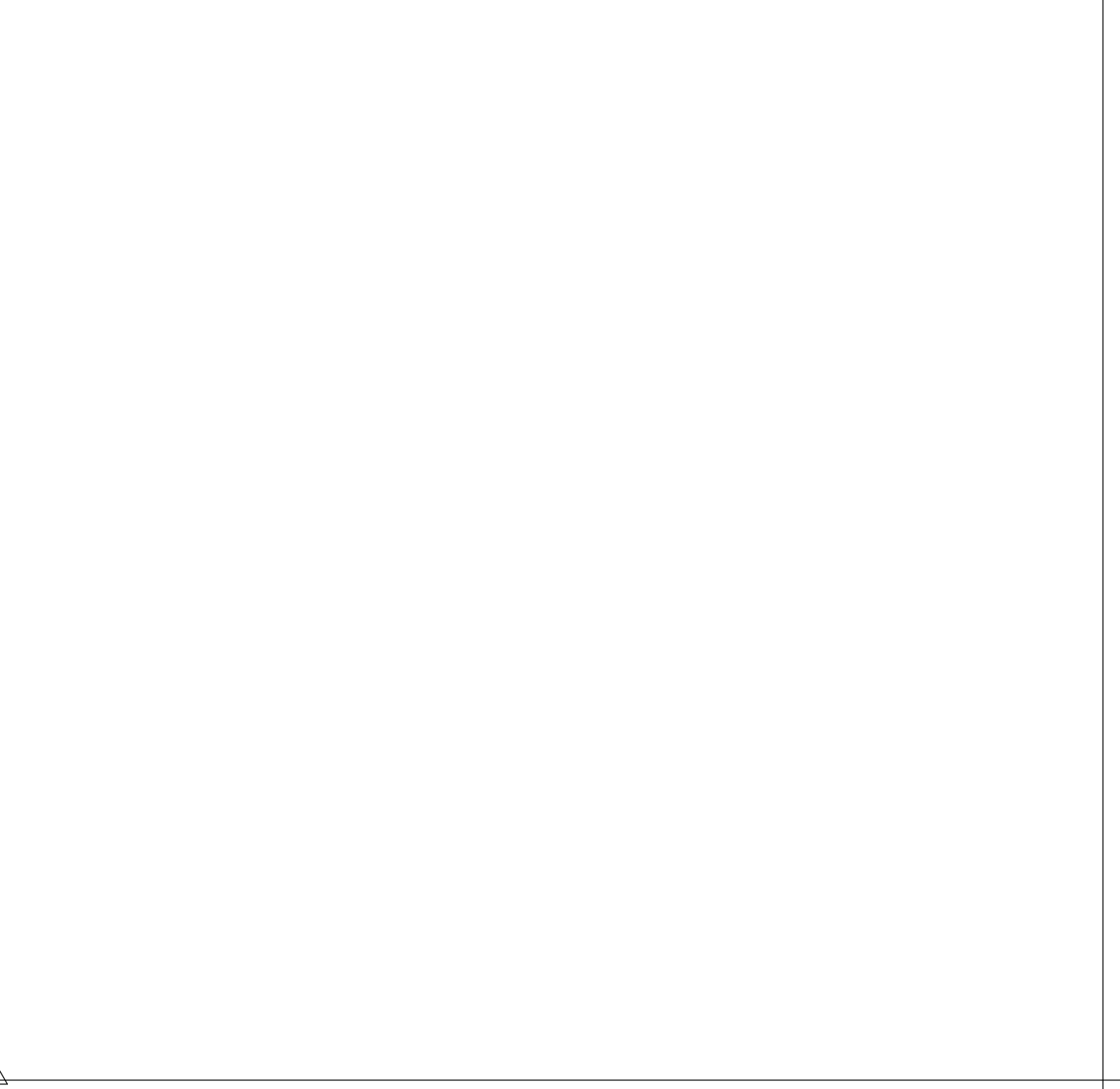
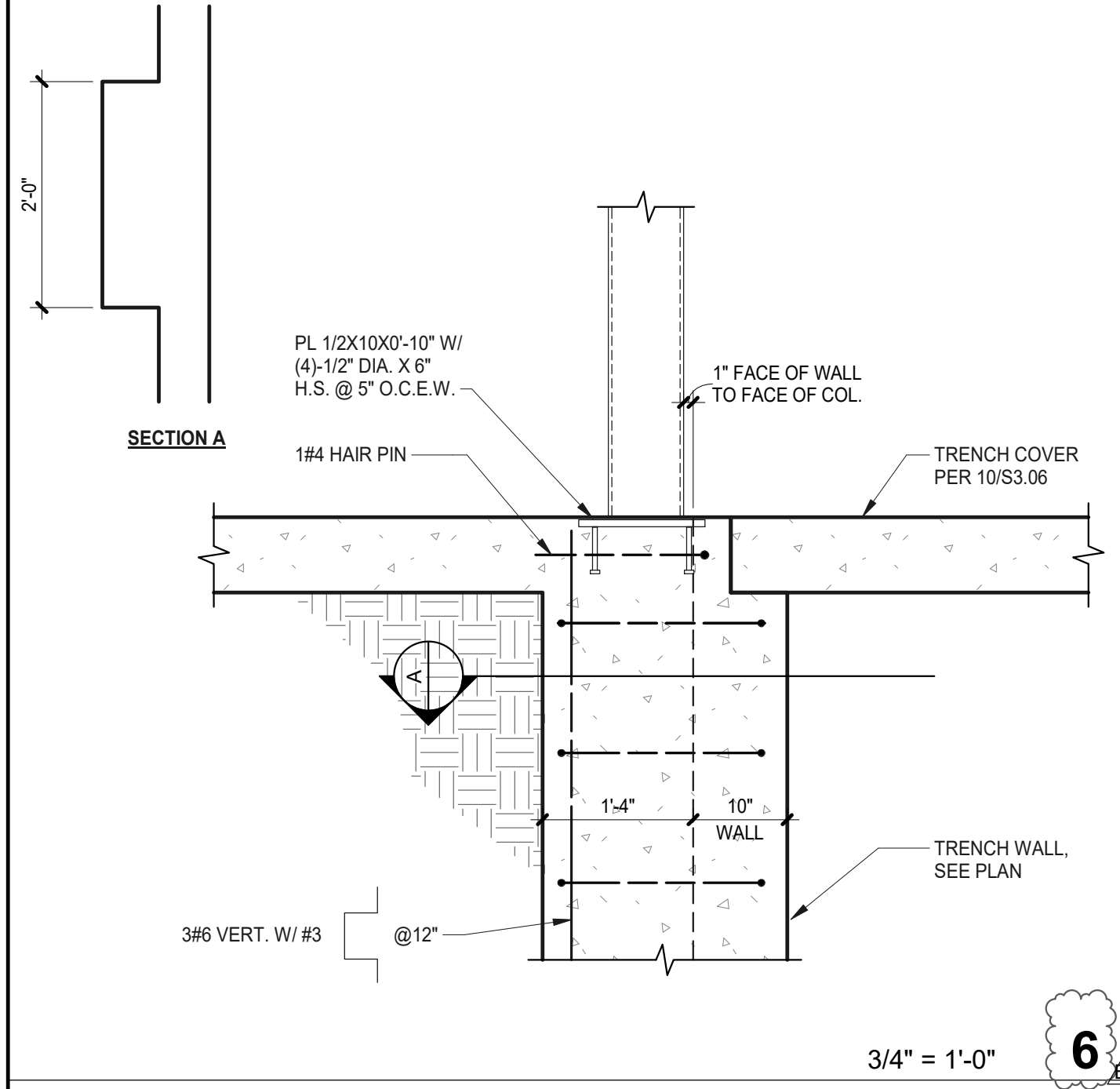
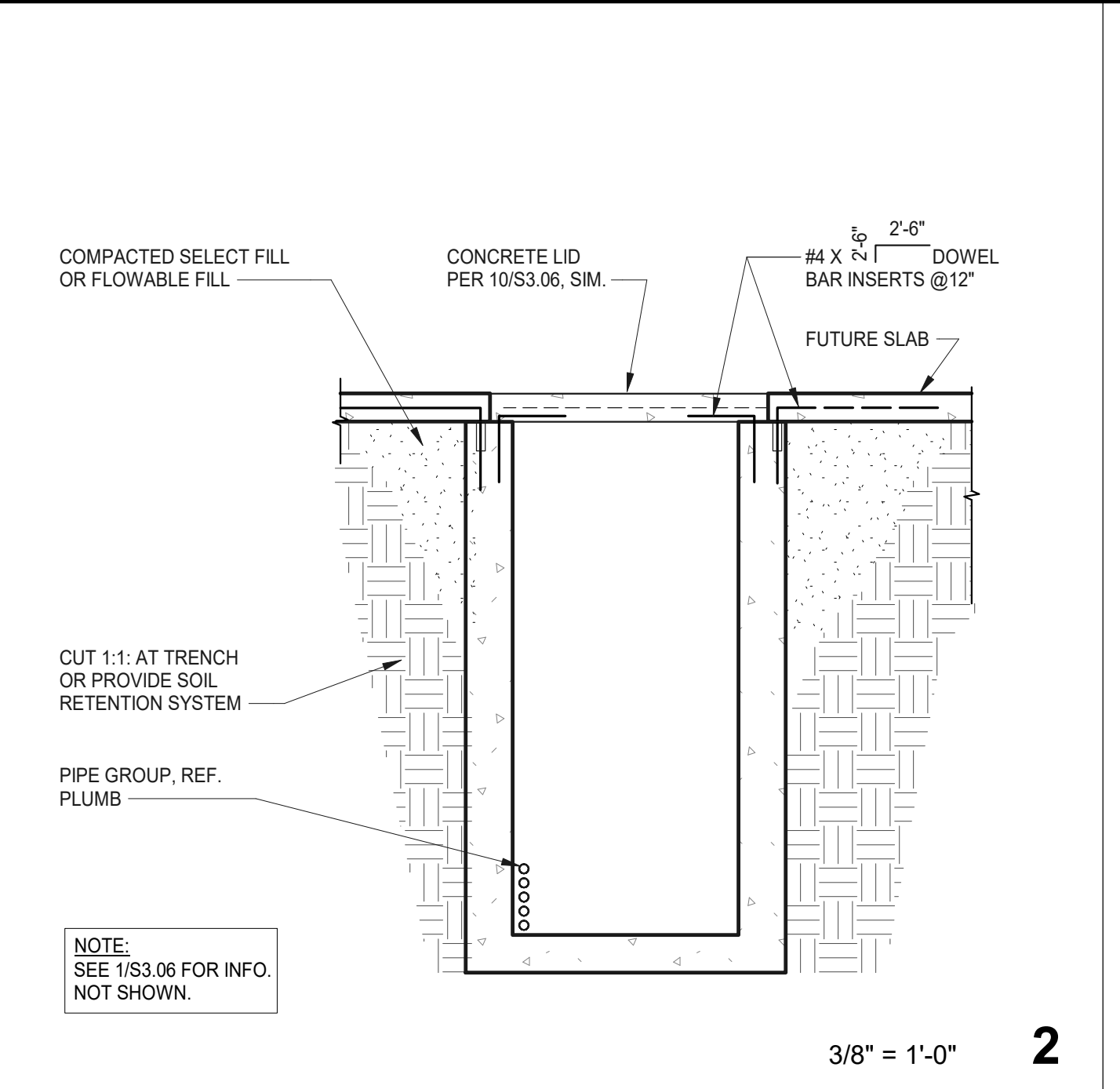
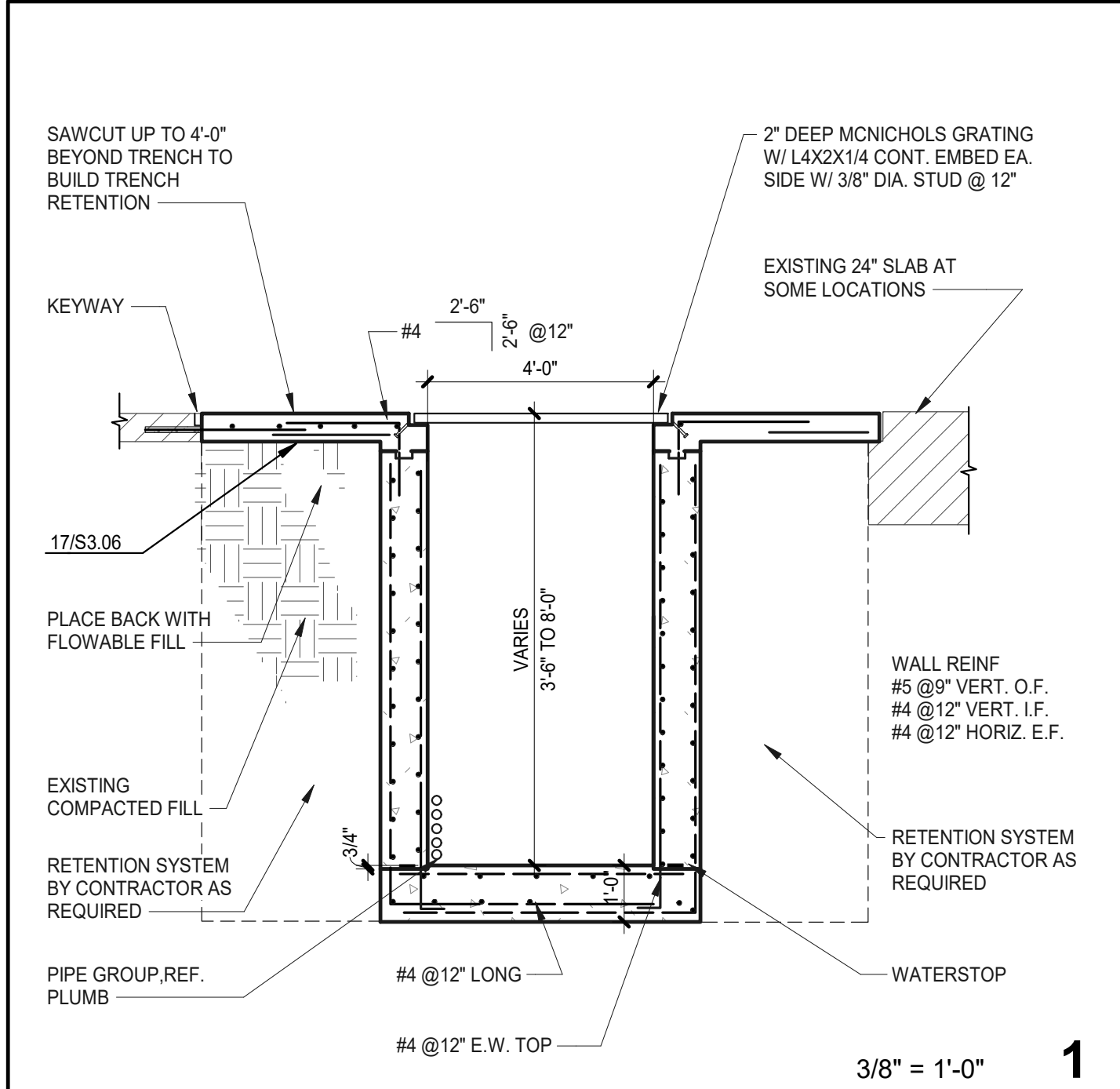
**ENLARGED PARTIAL
FRAMING PLAN**

SHEET NUMBER:

1T-S2.01



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CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive
Houston Texas 77024
713 850 9600
kirksey.com

DR
Datum Rios
www.datumrios.com | Co. Reg. No. F-16674
303 West Parkway, Suite 210
San Antonio, TX 78215, 210-499-3699
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SEAL / SIGNATURE:

NICK KRATKIEWICZ
134435
OFFICIAL ENGINEERING SEAL
04/05/2023

ORIGINAL ISSUE DATE 01/05/2024
SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B1	12/08/2023	GMP #3 - BULLETIN 01 B2-X+B2-Y CLEANROOMS
B3	01/05/2024	GMP #3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

MER CLEANROOM BUILD-OUT AND EXPANSION

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH CENTER

BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

102-1400 - PHASE B-2

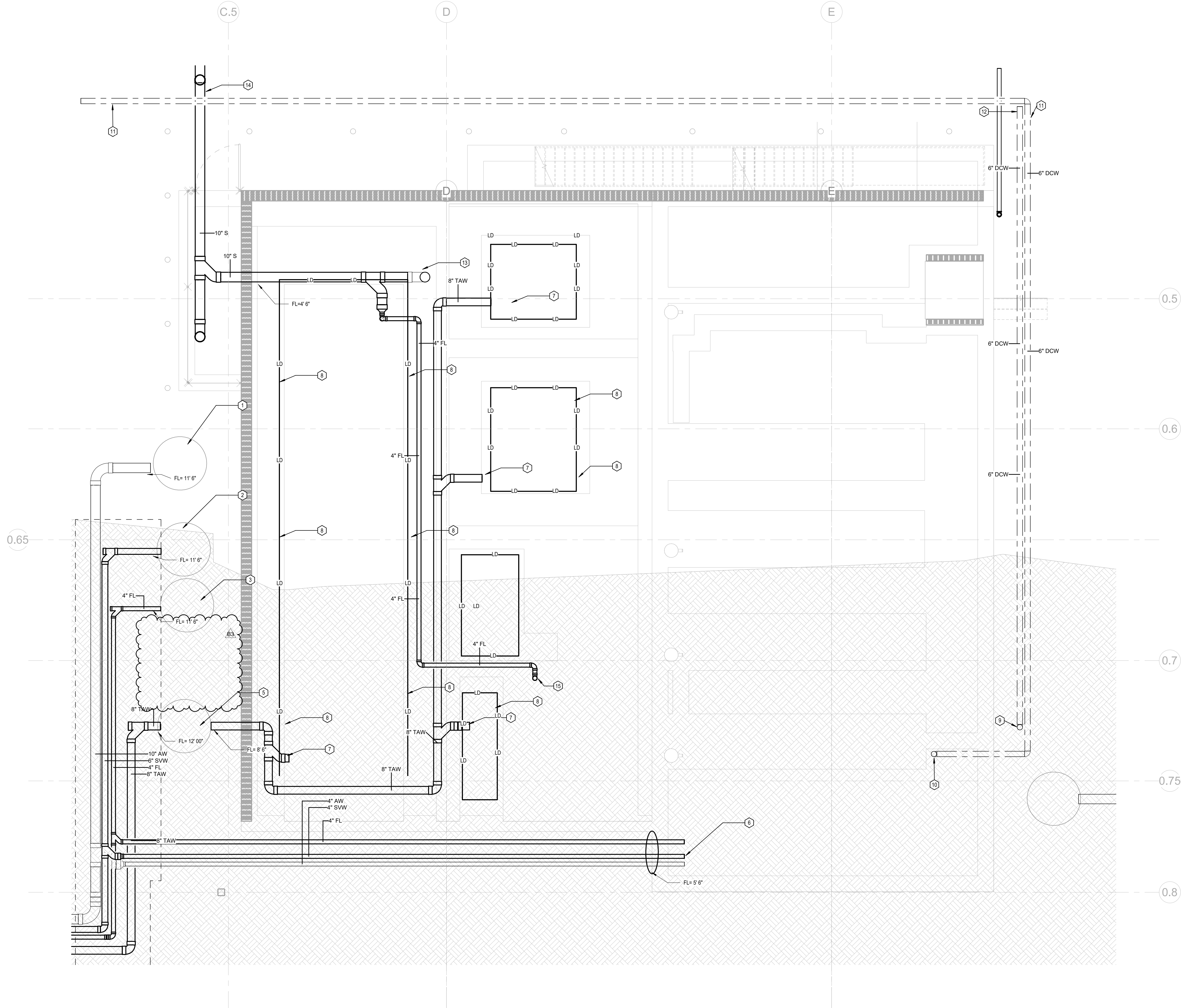
SHEET TITLE:

SLAB & TRENCH DETAILS

SHEET NUMBER:

S3.06

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1
1T-P301
1/4" = 1'-0"

**PLUMBING UNDERFLOOR PLAN - WASTE WATER
MANAGEMENT BLDG**

PLUMBING KEYED NOTES:

- A. PROVIDE ALL FLOOR DRAINS/SINKS AND OTHERS WASTE RECEPTORS WITH PROSET TRAP GUARDS UNLESS OTHERWISE INDICATED TO HAVE ANOTHER FORM OF TRAP PROTECTION.
B. CONTRACTOR TO COORDINATE ALL DOWNTIMES OF THE EXISTING SYSTEMS WITH THE OWNER/HAU PRIOR TO STARTING WORK.
C. EXISTING PIPING IS SHOWN LIGHT. ALL PIPING SHOWN BOLD IS NEW CONSTRUCTION. WHERE CONTRACTOR IS CONNECTING TO THE EXISTING SYSTEM, VERIFY PIPE TYPE AND PROVIDE TRANSITION FITTING IF REQUIRED.
D. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK. ALL PIPING SHOWN UNDERGROUND SHALL BE DOUBLE CONTAINED PIPING WITH A LEAK DETECTION CABLE AT THE ENTRANCE OF THE SECOND LAYER WITHIN THE SUMP PITS. THE LEAK DETECTION CABLE SHALL BE CONNECTED TO THE MAIN LEAK DETECTION PANEL FOR THE BUILDING.

PLUMBING KEYNOTES

- 1 5" DIAMETER SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 250 GPM. ACID WASTE PIT. 4" PVDF LINE RUN TO ACID WASTE SYSTEM.
2 5" DIAMETER SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 50 GPM. SOLVENT WASTE 1 PIT. 4" PVDF LINE RUN TO SOLVENT WASTE SYSTEM.
3 5" DIAMETER SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 50 GPM. TRENCH ACID WASTE PIT.
4 N/A
5 5" DIAMETER SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 50 GPM. FLOURIDE PIT
6 4" AW, HW, & SWW ENTERING CHEMICAL BUILDING ROUGHLY AT THIS LOCATION. SEE PROCESSED DRAWINGS FOR CONT. COORDINATE EXACT ENTRY LOCATION WITH STRUCTURAL ENGINEER PRIOR TO STARTING WORK. DESIGN OF PROCESS DRAINAGE LINE NOT FINISHED LINES SHOWN FOR GENERAL COORDINATION.
7 8" TUNNEL ACID WASTE LINE CONNECTION TO SECONDARY WASTE PIT. LINE TO CONFORM WITH STAINLESS STEEL PIPING SPEC AND BE DOUBLE WALL. PROVIDE CONNECTION FROM TANK @ 1' BELOW RIM OF TANK TO SERVE AS OVERFLOW.
8 LEAK DETECTION ROPE MOUNTED TO SURFACE OF TRENCH AREAS.
9 6" COLD WATER PIPING UP TO FLOOR ABOVE.
10 6" COLD WATER PIPING FROM ABOVE.
11 6" COLD WATER PIPING TO PROCESSED EQUIPMENT.
12 6" CW FROM CIVIL SEE CIVIL PLANS FOR CONT.
13 10" SANITARY WASTE FROM PH NEUTRALIZING SYSTEM. DESIGN STILL IN PROCESS SEE UPCOMING DESIGN DOCUMENTS FOR EXACT LOCATION AND FLOW.
14 10" SANITARY STUB OUT TO CIVIL. FL= 9' - 0" BELOW FINISHED FLOOR. SEE CIVIL FOR CONT. (325 GPM DISCHARGE). REFER TO PLUMBING SITE PLAN FOR MORE INFORMATION. PROVIDE DOUBLE YARD CLEANOUT PRIOR TO CONNECTION TO CIVIL.
15 4" FLOURIDE SYSTEM TREATED WASTE FROM ABOVE.

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com



1344 S. Flores, Suite 203 San Antonio, Texas 78204
P: 210.3611400 | TBPE No. F-19823

SEAL / SIGNATURE:



01/05/2024

12/08/2023

ORIGINAL ISSUE DATE

01/05/2023

SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
B1	12/08/2023	GMP#3 - BULLETIN 01 B2-X+B2-Y CLEANROOMS
B3	01/05/2023	GMP#3 - BULLETIN 03 B2-X+B2-Y CLEANROOMS

PROJECT TITLE:

**MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B2**

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER



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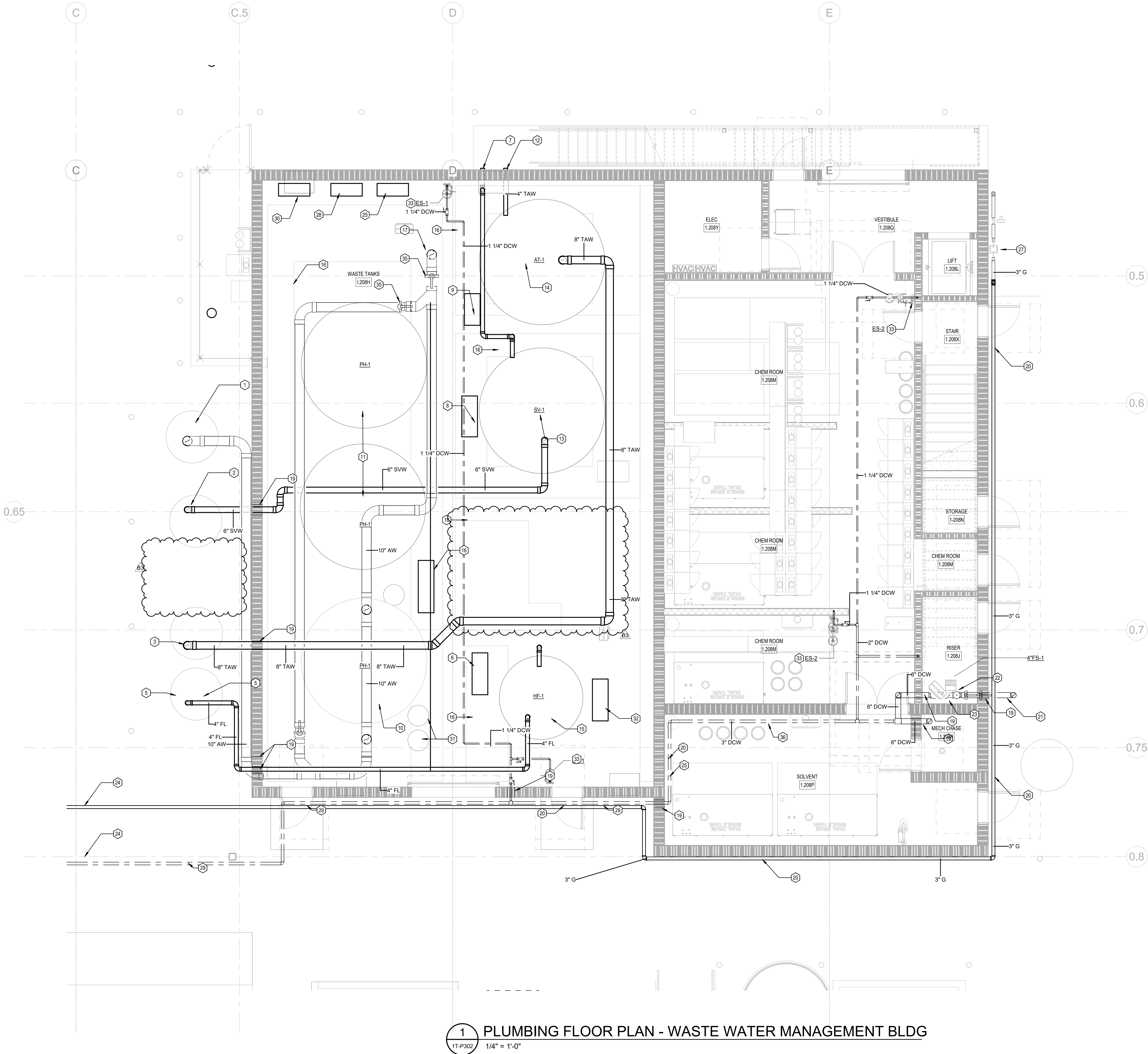
102-1400

SHEET TITLE:

**PLUMBING WASTE
WATER BUILDING
UNDERFLOOR**

SHEET NUMBER:

1T-P301



PLUMBING KEYED NOTES:

- PROVIDE ALL FLOOR DRAIN/SINKS AND OTHERS WASTE RECEPTORS WITH PROSET TRAP GUARDS UNLESS OTHERWISE INDICATED TO HAVE ANOTHER FORM OF TRAP PROTECTION.
- CONTRACTOR TO COORDINATE ALL DOWNTIMES OF THE EXISTING SYSTEMS WITH THE OWNER/HAU PRIOR TO STARTING WORK.
- EXISTING PIPING IS SHOWN LIGHT. ALL PIPING SHOWN BOLD IS NEW CONSTRUCTION. WHERE CONTRACTOR IS CONNECTING TO THE EXISTING SYSTEM, VERIFY PIPE TYPE AND PROVIDE TRANSITION FITTING IF REQUIRED.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO WORK. DESIGN OF AREA IN PROCESS DRAWINGS WILL BE UPDATED AS SCOPE DEVELOPS. SEE DETAILS FOR MORE INFORMATION.

PLUMBING KEYED NOTES:

- 5" DIAMETER BY 15' DEEP SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 250 GPM. ACID WASTE PIT. 4" PVDF LINE RUN TO ACID WASTE SYSTEM.
- 5" DIAMETER BY 12' DEEP SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS. SOLVENT WASTE 1 PIT. 4" PVDF LINE RUN TO SOLVENT WASTE SYSTEM.
- 5" DIAMETER SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS SIZED FOR 50 GPM. TRENCH ACID WASTE PIT.
- N/A
- 5" DIAMETER BY SUMP PIT WITH DUAL SUBMERSIBLE SUMP PUMPS. FLOURIDE PIT.
- FLOURIDE WASTE STREAM HOLDING TANK CONTROL PANEL.
- SOLVENT WASTE COLLECTION POINT. THREADED CONNECTION WITHIN STAINLESS STEEL CONTAINMENT BOX.
- SOLVENT WASTE STREAM HOLDING TANK CONTROL PANEL.
- TUNNEL ACID WASTE HOLDING TANK CONTROL PANEL.
- ACID WASTE NEUTRALIZATION RECIRCULATION EQUALIZATION TANK.
- ACID WASTE CONTINUOUS NEUTRALIZATION SYSTEM CONSISTING OF TWO 3000 GALLON TANKS WITH MULTIPLE CHEMICAL DRUMS FOR NEUTRALIZATION OF BASE AND ACIDS. BASIS OF DESIGN BASED AROUND WASTECH CONTROLS & ENGINEERING CUSTOM ACID WASTE SYSTEM. ANTICIPATED CONSTANT FLOW AT 325 GPM. SEE DETAIL 1/1-P007 FOR PIPING LAYOUT. SEE MANUFACTURERS INSTALLATION INSTRUCTIONS FOR EXACT PIPING ROUTING. PIPING SHOWN IS DIAGRAMATIC IN NATURE.
- TAW WASTE COLLECTION POINT. THREADED CONNECTION WITHIN STAINLESS STEEL CONTAINMENT BOX.
- SOLVENT WASTE STREAM 1 HOLDING TANK 5000 GALLON TANK. TANK WILL HAVE LEVEL SENSORS THAT REPORT BACK TO BAS SYSTEM ONCE HIGH LEVEL IS REACHED.
- TRENCH ACID DRAINAGE HOLDING TANK 5000 GALLON TANK. TANK WILL HAVE LEVEL SENSORS THAT REPORT BACK TO BAS SYSTEM ONCE HIGH LEVEL IS REACHED.
- FLOURIDE WASTE STREAM TREATMENT SYSTEM. SEE 2/1-P007.
- SECONDARY CONTAINMENT SUMP PIT.
- 10" SANITARY WASTE LINE TO STUBOUT @ 5' 00" BELOW FINISHED FLOOR. FLOW TO BE 400 GPM.
- N/A
- PROVIDE SLEEVE FOR TWO HOUR RATED ASSEMBLY.
- ROUTE DOMESTIC PIPING ALONG WALL.
- 6" CW FROM BELOW AND ROUTED INTO THE BUILDING. INSULATE AND HEAT TRACE PIPIN ON EXTERIOR OF BUILDING.
- 4" DOMESTIC WATER METER W/ BYPASS
- 6" RPZ WITH STRAINER UPSTREAM OF CONNECTION FOR TEMPORARY EQUIPMENT CONNECTIONS.
- SEE 1T-P210 FOR CONT.
- HEAT TRACE CONTROL PANELS TO BE COORDINATED WITH DIV. 26 PRIOR TO STARTING WORK. ESTIMATED LOAD IS 30 AMPS AT 208 V THREE PHASE.
- N/A
- NATURAL GAS METER BY OTHERS. 6000 CFH @ 5 PSI & 50V
- HEAT TRACE CONTROL PANELS TO BE COORDINATED WITH DIV. 26 PRIOR TO STARTING WORK. ESTIMATED LOAD IS 10 AMPS AT 208 V THREE PHASE.
- PROVIDE HEAT TRACE WIRE ON EXPOSED ON DOMESTIC COLD WATER PIPE. SEE KEYNOTE 28 PANEL.
- LEAK DETECTION CONTROL PANEL.
- ACID AND CAUSTIC DRUMS BY OTHERS. SEE 1/1-P007 FOR DETAIL.
- FLOURIDE FILTER PRESS.
- ROUTE 1 1/4" CW DOWN IN WALL TO EMERGENCY SHOWER. PROVIDE TYPE B SHOCK ARRESTOR UPSTREAM OF CONNECTION. INDIRECT WASTE DRAIN LINE TO NEAREST SECONDARY CONTAINMENT PIT.
- N/A
- MOTORIZED BLOCK VALVE CONTROLLED BY PH-1 CONTROL PANEL.
- PIPING INSTALLED IN CLASS 1 DIV 2 AREA TO BE CONTAINED IN TYPE 304 STAINLESS STEEL SLEEVE.

CONSULTANT:

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Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

MOOSE
ENGINEERS

1344 S. Flores, Suite 203 San Antonio, Texas 78204
P: 210.361.1400 | TBPE No. F-19823

SEAL / SIGNATURE:



12/08/2023 ORIGINAL ISSUE DATE 01/05/2024 SHEET ISSUE DATE

ISSUE LOG

NO	DATE	DESCRIPTION
A	10/18/2023	GMP #3 - 100% CD B2-X-B2-Y CLEANROOMS
B1	12/08/2023	GMP#3 - BULLETIN 01 B2-X-B2-Y CLEANROOMS
B3	01/05/2023	GMP#3 - BULLETIN 03 B2-X-B2-Y CLEANROOMS

PROJECT TITLE:

MER
CLEANROOM
BUILD-OUT AND
EXPANSION
PHASE B2

PROJECT ADDRESS:

10100 HARRY RANSOM TRAIL
AUSTIN TEXAS 78758

PMCS PROJECT MANAGER:

SCHILLER LIAO, PH.D.

DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER

TEXAS

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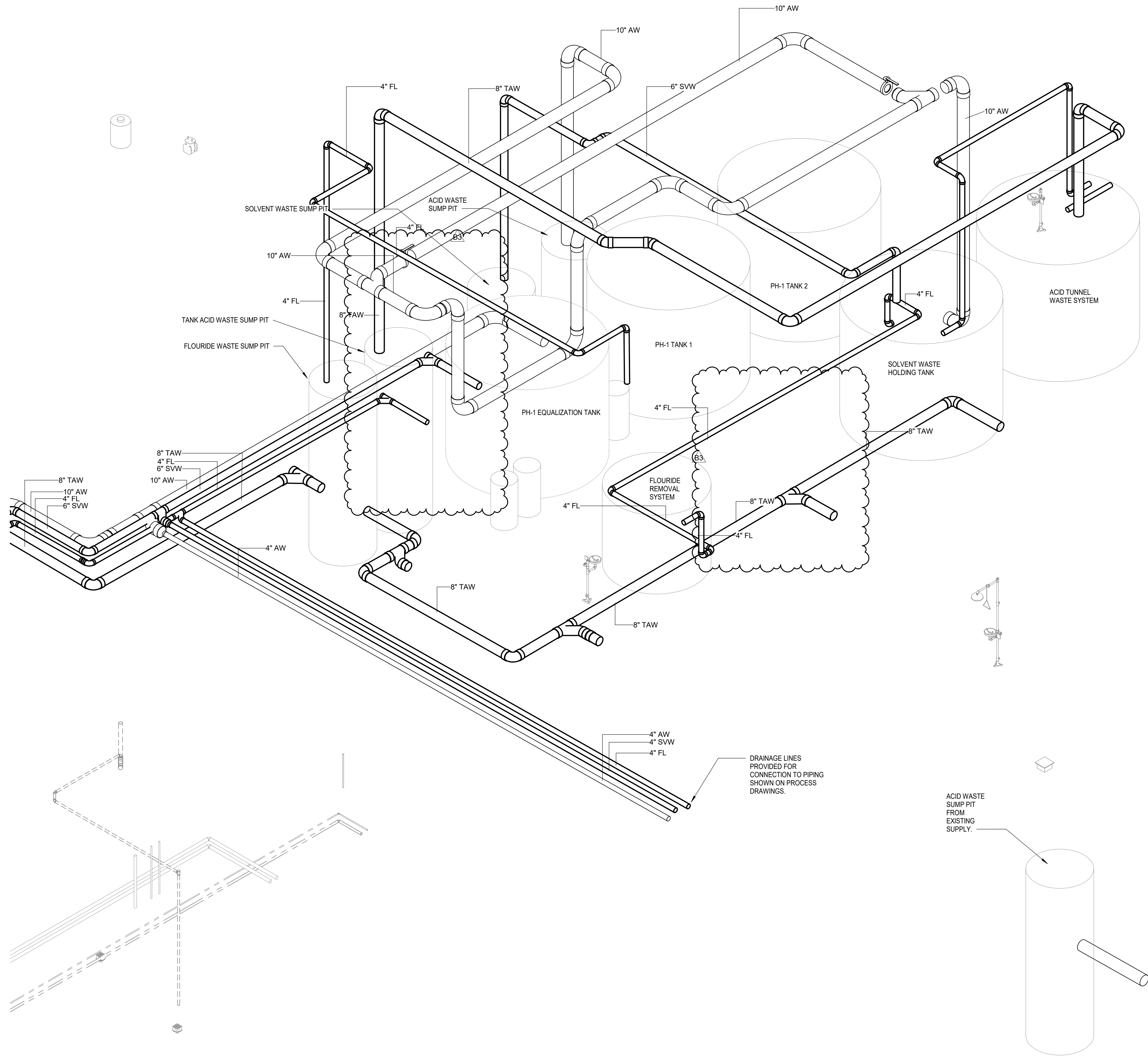
SHEET TITLE:

PLUMBING WASTE
WATER BUILDING

SHEET NUMBER:

1T-P302

1/5/2024 10:50:18 AM Autodesk Docs:/2022392 UT MER Center Cleanroom Expansion/230006 - UT MER Cleanroom - MEP23.rvt



PLUMBING RISER - SANITARY WASTE AND VENT WASTE BUILDING.

1
1T-P502

CONSULTANT:

Kirksey
ARCHITECTURE

Houston + Austin + Dallas

6909 Portwest Drive

Houston Texas 77024

713 850 9600

kirksey.com

MOOSE
ENGINEERS
1344 S. Flores, Suite 203 San Antonio, Texas 78204
P: 210.361.1400 | TBPE No. F-19823

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12/08/2023 ORIGINAL ISSUE DATE 01/05/2023 SHEET ISSUE DATE

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DESIGN & CONSTRUCTION STANDARDS VERSION: 3-2023

BUILDING NAME:

MICROELECTRONICS RESEARCH
CENTER

TEXAS

BUILDING ABBREVIATION - NUMBER:

MER

CAPITAL PROJECT NUMBER:

102-1400

SHEET TITLE:

PLUMBING RISER
(TEMP)

SHEET NUMBER:

1T-P502