# **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**

- 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: <a href="http://www.tceq.texas.gov/field/eapp">http://www.tceq.texas.gov/field/eapp</a>.
- 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**

- 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: Sri Shirdi Sai Baba Temple				2. Regulated Entity No.: (512) 260-2721				
3. Customer Name: Sri Shirdi Sai Baba Temple of Austin		<b>4. Customer No.:</b> (512) 413-7171						
5. Project Type: (Please circle/check one)	New	Modification		Extension		Exception		
6. Plan Type: (Please circle/check one)	WPAP CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)	Residential	Non-residential			8. Sit	te (acres): 4.03 acres		
9. Application Fee:	\$500	10. Permanent BM		BMP(s	s):	EXISTING WAT	ER QUALITY POND	
11. SCS (Linear Ft.):	None	12. AST/UST (No. Tanks)			ıks):	None		
13. County:	Williamson	14. Watershed:				Brushy Creek		

# **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.)						
Region (1 req.)	_	_				
County(ies)						
Groundwater Conservation District(s)	Edwards Aquifer AuthorityBarton Springs/ Edwards AquiferHays TrinityPlum Creek	Barton Springs/ Edwards Aquifer	NA			
City(ies) Jurisdiction	AustinBudaDripping SpringsKyleMountain CitySan MarcosWimberleyWoodcreek	AustinBee CavePflugervilleRollingwoodRound RockSunset ValleyWest Lake Hills	AustinCedar ParkFlorenceGeorgetownJerrellLeanderLiberty HillPflugervilleRound Rock			

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)					
Region (1 req.)			_		_
County(ies)					
Groundwater Conservation District(s)	Edwards Aquifer Authority Trinity-Glen Rose	Edwards Aquifer Authority	Kinney	EAA Medina	EAA Uvalde
City(ies) Jurisdiction	Castle HillsFair Oaks RanchHelotesHill Country VillageHollywood ParkSan Antonio (SAWS)Shavano Park	Bulverde Fair Oaks Ranch Garden Ridge New Braunfels Schertz	NA	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.			
Way Atmadja, PE			
Print Name of <del>Customer</del> /Authorized Agent			
W. Atmadja	8/20/22		
Signature of <del>Customer</del> /Authorized Agent	Date		

**FOR TCEQ INTERNAL USE ONLY**				
Date(s)Reviewed:	Date Ad	ministratively Complete:		
Received From:	Correct	Number of Copies:		
Received By:	Received By: Distribution Date:			
EAPP File Number:	Complex	x:		
Admin. Review(s) (No.):	No. AR	Rounds:		
Delinquent Fees (Y/N):	Review '	Time Spent:		
Lat./Long. Verified:	SOS Cus	stomer Verification:		
Agent Authorization Complete/Notarized (Y/N):	Fee	Payable to TCEQ (Y/N):		
Core Data Form Complete (Y/N):	Check:	· ·		
Core Data Form Incomplete Nos.:		Less than 90 days old (Y/N):		

# Contributing Zone Exception Request Form

### **Texas Commission on Environmental Quality**

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), 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 **Contributing Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of <del>Customer</del>/Agent: <u>Way Atmadja</u>, PE

Date: <u>7/3/22</u>

Signature of <del>Customer/</del>Agent: *Way Atmadja*, PE

Regulated Entity Name: Sri Shirdi Sai Baba Temple

# **Project Information**

- 1. County: Williamson
- 2. Stream Basin: Brushy Creek
- 3. Groundwater Conservation District (if applicable): N/A
- 4. Customer (Applicant):

Contact Person: Jill Edwards
Entity: Sri Shirdi Sai Baba Temple

Mailing Address: 2509 West New Hope Dr.

City, State: Cedar Park, Texas Zip: 78613
Telephone: (512) 260-2721 Fax:

Email Address: jilledwards108@gmail.com

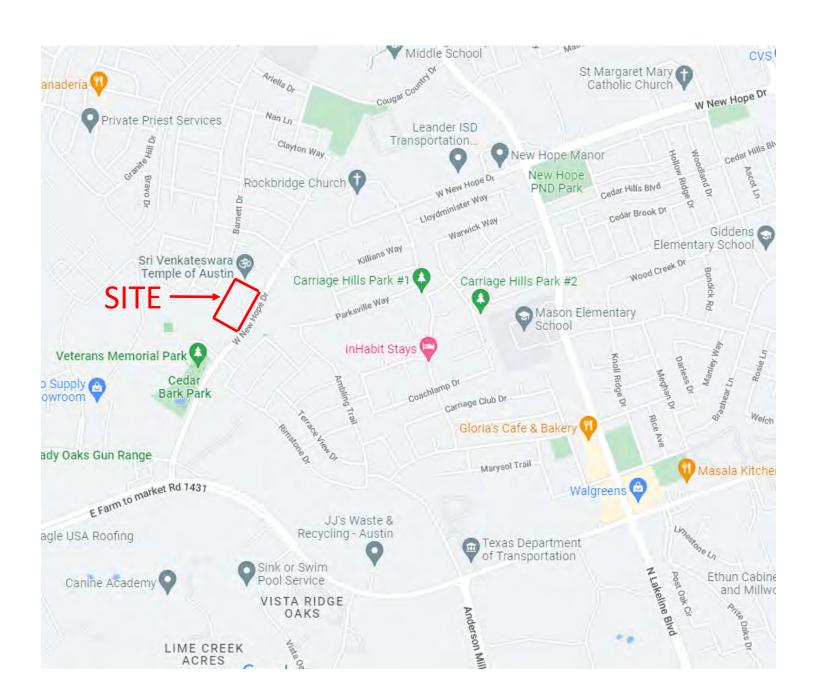
5.	Agent/Representative (If any):
	Contact Person: Way Atmadja, PE Entity: Way Consulting Engineers, Inc.  Mailing Address: 11615 Angus Rd., Ste 119 City, State: Austin, Texas Zip: 78759 Telephone: (512) 343-0766 Fax: Email Address: way@wayengineering.com
6.	Project Location
	<ul> <li>This project is inside the city limits of <a href="Cedar">Cedar</a> Park</li> <li>This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of</li> </ul>
	This project is not located within any city limits or ETJ.
7.	The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.  2509 West New Hope Dr., Cedar Park, Texas
8.	Attachment A - Road Map. A road map showing directions to and location of the project site is attached. The map clearly shows the boundary of the project site.
9.	Attachment B - USGS Quadrangle Map. A copy of the USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) should clearly show:
	<ul> <li>Project site boundaries.</li> <li>USGS Quadrangle Name(s). Leander Quadrangle</li> </ul>
10.	Attachment C - Project Narrative. A detailed narrative description of the proposed project is provided at the end of this form. The project description is consistent throughout the application and contains, at a minimum, the following details:
	<ul> <li>X Area of the site</li> <li>X Offsite areas</li> <li>X Impervious cover</li> <li>X Permanent BMP(s)</li> <li>X Proposed site use</li> <li>X Site history</li> <li>X Previous development</li> <li>X Area(s) to be demolished</li> </ul>
11.	Existing project site conditions are noted below:
	<ul> <li>Existing commercial site</li> <li>Existing industrial site</li> <li>Existing residential site</li> <li>Existing paved and/or unpaved roads</li> </ul>

	Undeveloped (Cleared)
	Undeveloped (Undisturbed/Not cleared)
Χ	Other:

- 12. X Attachment D Nature Of Exception. A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter B for which an exception is being requested have been identified in the description. Per Attachment C
- 13. X Attachment E Equivalent Water Quality Protection. Documentation demonstrating equivalent water quality protection for surface streams which enter the Edwards Aquifer is attached. Per Attachment E

# Administrative Information

- 14. X 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.
- 15. X The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

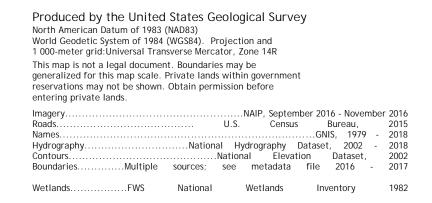


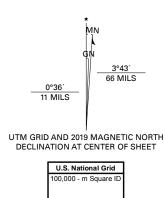
# SRI SHIRDI SAI BABA TEMPLE

2505 West New Hope Drive, Cedar Park, Texas 78613

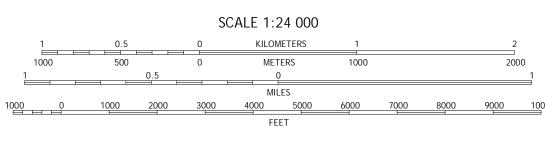
# **ATTACHMENT - A**







Grid Zone Designati 14R



CONTOUR INTERVAL 10 FEET

NORTH AMERICAN VERTICAL DATUM OF 1988



3 Georgetown

6 Mansfield Dam 7 Jollyville

8 Pflugerville West

4 Nameless 5 Round Rock









#### WAY CONSULTING ENGINEERS, INC.

STRUCTURAL & CIVIL ENGINEERING COMPANY
www.wayengineering.com

Date: July 3, 2022

To: TCEQ

Edwards Aquifer Protection division

Austin Regional Office 12100 Park 35 Circle Austin, TX 78753

Re: SRI SHIRDI SAI BABA TEMPLE

**Pavilion Addition** 

2505 W. New Hope Drive, Cedar Park, Texas 78613

SITE AREA: 4.03 Acres

The project consists of a proposed 48'x48'outdoor pavilion and its associated sidewalk to be built on the side lawn, behind the parking lot.

The additional impervious cover will be approximately 2,500 SF or 0.06 acre.

Currently, the property has an existing water quality pond as permitted and constructed in around 2008. Excerpts of the related sheets of the 2008 plans (by MWM Design Group) are attached, and the TCEQ approval letter is also attached in this submittal.

Per the Drainage Area Map, sheet C561, the existing detention and water quality (Sedimentation/Filtration) ponds are designed for a total impervious cover of 53.9% or 2.05 acres. Subtracting the as-built impervious cover (building and pavement) of 1.89 acres, the remaining unused impervious cover 1.92 acres, which is greater than the 0.06 acre additional impervious cover proposed for the pavilion. Therefore, the existing water quality pond still has extra capacity to treat runoff from the proposed pavilion, and no pond modification is needed.

I believe this pavilion causes no adverse impact to the existing system, and therefore, request your approval for this project.

If you have any questions, please don't hesitate to call me.

Sincerely,

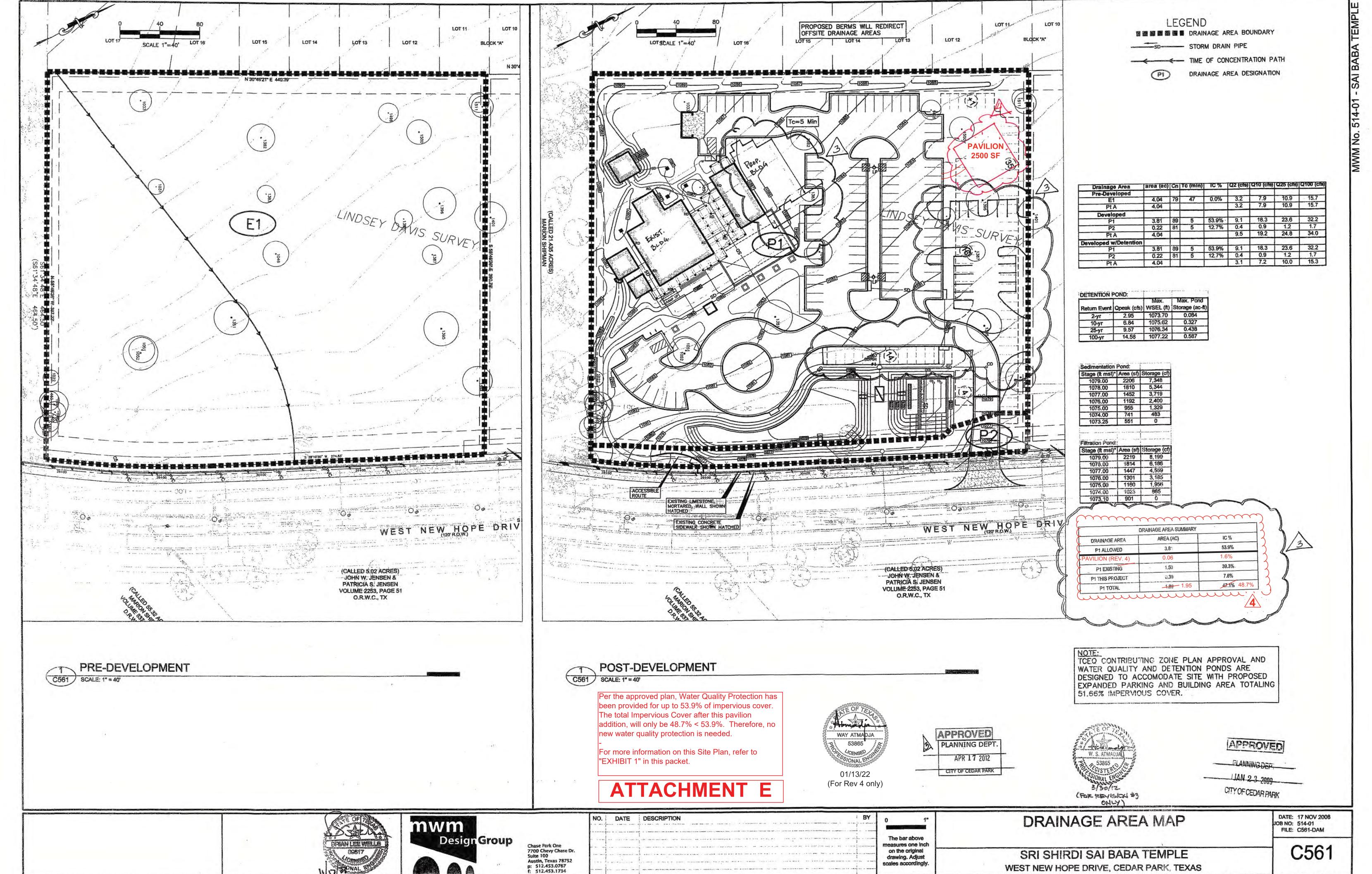
Way Atmadja, PE

Principal Firm #4909 WAY ATMADJA

53865

CENSEO MET

ATTACHMENT - C & D



4 3 4 4 4 4

SITE DEVELOPMENT # SD-08-00022

# **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:

	int Name of <del>Customer</del> /Agent: <u>Way A</u> tmadja, PE
Sig	gnature of Customer/Agent:
١	Way Atmadja
Re	egulated Entity Name: SRI SHIRDI SAI BABA TEMPLE
P	roject Information
P	otential Sources of Contamination
	amples: Fuel storage and use, chemical storage and use, use of asphaltic products, nstruction vehicles tracking onto public roads, and existing solid waste.
1.	Fuels for construction equipment and hazardous substances which will be used during construction: $N/A$
	The following fuels and/or hazardous substances will be stored on the site:
	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.

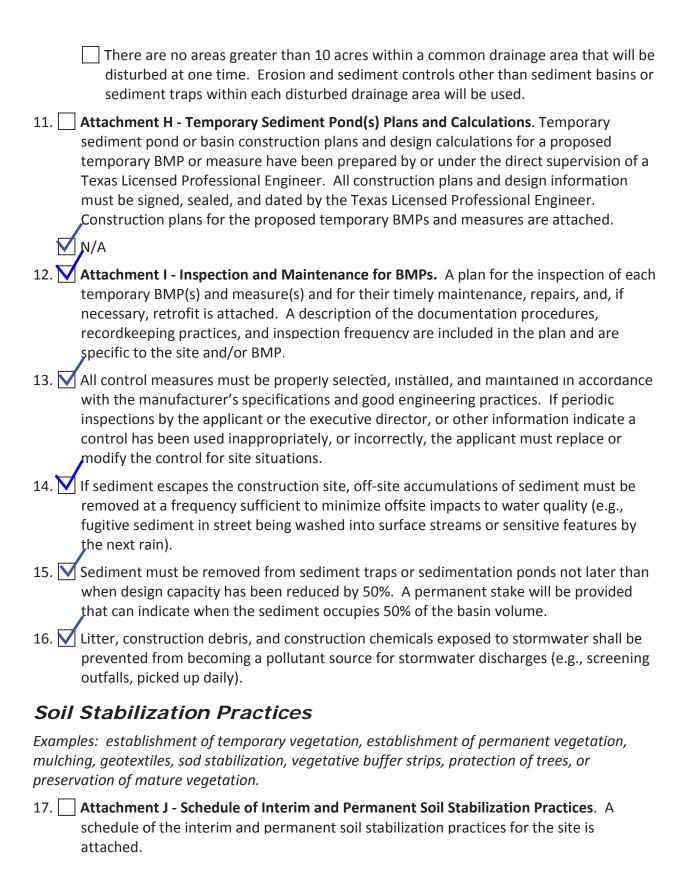
prior to moving the tanks onto the project.	
Fuels and hazardous substances will not be stored on the site.	
<ol> <li>Attachment A - Spill Response Actions. A site specific description of the measu taken to contain any spill of hydrocarbons or hazardous substances is attached.</li> </ol>	res to be
<ol> <li>Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet fro domestic, industrial, irrigation, or public water supply well, or other sensitive feet.</li> </ol>	m any
4. Attachment B - Potential Sources of Contamination. A description of any activity processes which may be a potential source of contamination affecting surface we quality is attached.	
Sequence of Construction	
5. Attachment C - Sequence of Major Activities. A description of the sequence of activities which will disturb soils for major portions of the site (grubbing, excava grading, utilities, and infrastructure installation) is attached.	-
For each activity described, an estimate (in acres) of the total area of the site disturbed by each activity is given.  For each activity described, include a description of appropriate temporary of measures and the general timing (or sequence) during the construction proof the measures will be implemented.	ontrol
6. Name the receiving water(s) at or near the site which will be disturbed or which receive discharges from disturbed areas of the project: Runoff from the pavilion water quality pond.	ill go to the

# 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. No sensitive feature has been detected in the limits of construction.
	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:
	<ul> <li>For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.</li> <li>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.</li> <li>For areas that will have more than 10 acres within a common drainage area</li> </ul>
	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.



- 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. Noted.

# 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.



#### WAY CONSULTING ENGINEERS, INC.

STRUCTURAL & CIVIL ENGINEERING COMPANY
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#### TEMPORARY STORMWATER SECTION

### ATTACHMENT A

Project: SRI SHIRDI SAI BABA TEMPLE

(OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

#### SPILL RESPONSE ACTIONS

The use of temporary fuel storage is not allowed on the project site. Construction equipment shall be fueled by off-site based location on an as-needed basis. If there is any minor spill of fuel, oil, paint, general contractor shall do the following:

- 1. Contain the spill to prevent spreading by creating an earthen dike as necessary.
- 2. Use absorbent material, sand, cat litter, or rags on spill instead of hosing down or burying the spill.
- 3. If the spill occurs during rain, cover spill with tarps or other material to prevent contamination of the runoff.
- 3. Recover the spilled materials, and absorbent material should then be promptly removed and disposed of properly.
- 4. Clean the contaminated area.
- 5. Spills: TCEQ Reportable Quantities In Texas, upon determining that a reportable discharge or spill has occurred, the responsible person must notify the state. The threshold quantity that triggers the requirement to report a spill is called the reportable quantity (RQ). The reportable quantity depends on the type of substance released and where released (e.g. into water vs. on land); different kinds of spills are subject to different provisions of state and federal rules. Please consult the following link for TCEQ Reportable Quantities: https://www.tceq.texas.gov/response/spills/spill\_rq.html



# WAY CONSULTING ENGINEERS, INC. STRUCTURAL & CIVIL ENGINEERING COMPANY

STRUCTURAL & CIVIL ENGINEERING COMPANY www.wayengineering.com

### TEMPORARY STORMWATER SECTION

# ATTACHMENT B

Project: SRI SHIRDI SAI BABA TEMPLE

(OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

### POTENTIAL SOURCE OF CONTAMINATION

- 1. Engine oil spill from vehicles; such as, trucks and cars.
- 2. Engine oil spill from construction tractor and other equipment.



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# TEMPORARY STORMWATER SECTION

### ATTACHMENT C

Project: SRI SHIRDI SAI BABA TEMPLE

(OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

### SEQUENCE OF MAJOR ACTIVITIES:

- 1. Install Silt Fence along the Limits of Construction as delineated on plan. No silt fence is needed against the existing curbs.
- 2. The LOC area is approximately 4,400 SF
- 3. Remove vegetation and the required soil removal (per Structural) within the footprint of the slab and the sidewalk.
- 4. Foundation and pavilion construction.
- 5. Sidewalk construction.
- 6. Minor final grading to assure positive drainage.
- 7. Install vegetation on all disturbed areas (within the limits of construction).



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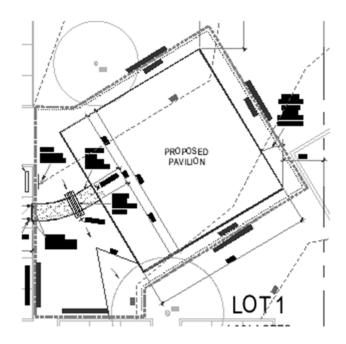
# **TEMPORARY STORMWATER SECTION**

# **ATTACHMENT D**

Project: SRI SHIRDI SAI BABA TEMPLE

(OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

Silt fence is proposed to be installed along the limits of construction as shown on plan (Sheet 26). From here, runoff is captured by an on-site water quality pond.





# WAY CONSULTING ENGINEERS, INC. STRUCTURAL & CIVIL ENGINEERING COMPANY

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### TEMPORARY STORMWATER SECTION

# **ATTACHMENT F**

Project: SRI SHIRDI SAI BABA TEMPLE

> (OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

#### STRUCTURAL PRACTICES

Silt fence will be installed downstream of the proposed disturbed areas to contain the mud and construction debris.



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#### TEMPORARY STORMWATER SECTION

### ATTACHMENT J

Project: SRI SHIRDI SAI BABA TEMPLE

(OUTDOOR PAVILION) 2509 W. New Hope Drive Cedar Park, Texas 78613

# SCHEDULE OF INTERIM & PERMANENT SOIL STABILIZATION PRACTICES

The Contractor shall stabilize areas that were disturbed during construction.

For temporary vegetative stabilization, from September 15 to March 1, seeding shall be the cool season cover crops (Wheat 0.5 pounds per 1000 SF, Oats at 0.5 pounds per 1000 SF, Cereal Rye Grain at 0.5 pounds per 1000 SF) with a total rate of 1.5 pounds per 1000 SF. Cool season cover crops are not permanent erosion control. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 1 pounds per 1000 SF.

For permanent vegetative stabilization, from September 15 to March 1, seeding is considered to be temporary stabilization only. If cool season cover crops exist where permanent vegetative stabilization is desired, the grasses shall be mowed to a height less than one half (½) inch and the area shall be reseeded in accordance to seeding from March 2 to September 14. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 1 pounds per 1000 SF with a purity of 95% with 85% germination. Bermuda grass is a warm season grass and is considered permanent erosion control.

# **Agent Authorization Form**

For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

- JIL	L EDWARDS	
	Print Name	
DIRE	CTOR/TREASURER	
	Title - Owner/President/Other	
of SRI SHI	RDI SAI BABA TEMPLE GARLST	TIN
	Corporation/Partnership/Entity Name	4 1
have authorized	Way Atmadja, PE	* .
	Print Name of Agent/Engineer	
of	Way Consulting Engineers, Inc.	
	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:

Lui Edwa	(05	7-1-2022
Applicant's Signature		Date

THE STATE OF Texas §

County of allen §

BEFORE ME, the undersigned authority, on this day personally appeared \( \lambda \lamb

JASMIN SALAZAR

Notary Public, State of Texas

Comm. Expires 10-20-2025

Notary ID 13076646-5

Jasaka Salazov
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 10.20.2025

# Application Fee Form

<b>Texas Commission on Environn</b> Name of Proposed Regulated En Regulated Entity Location: 2509	ntity: Sri Shirdi Sai Baba Te	emple			
Name of Customer: Sri Shirdi Sa	ii Baba Temple	(7.40) 000 0704			
Contact Person: <u>Jill Edw</u> ards		e: (512) 260-2721			
Customer Reference Number (i	f issued):CN <u>N/A</u>				
Regulated Entity Reference Nur	nber (if issued):RN <u>RN105</u>	600134			
Austin Regional Office (3373)					
Hays	Travis	X W	illiamson		
San Antonio Regional Office (3	362)				
Bexar	Medina	□Uv	alde		
Comal	Kinney	_			
Application fees must be paid b	<u> </u>	r money order, pavab	le to the <b>Texas</b>		
Commission on Environmental	•				
form must be submitted with y					
X Austin Regional Office		an Antonio Regional O	ffice		
X Mailed to: TCEQ - Cashier	San Antonio Regional Office  Overnight Delivery to: TCEQ - Cashier				
Revenues Section	<u>—</u>	2100 Park 35 Circle	CLQ Cusiner		
Mail Code 214		uilding A, 3rd Floor			
P.O. Box 13088		ustin, TX 78753			
Austin, TX 78711-3088		512)239-0357			
Site Location (Check All That A	·	712,233 0337			
Recharge Zone	X Contributing Zone	Transi	tion Zone		
Type of P	lan	Size	Fee Due		
Water Pollution Abatement Pla	_				
Plan: One Single Family Residen	-	Acres	\$		
Water Pollution Abatement Pla					
Plan: Multiple Single Family Res		Acres	\$		
Water Pollution Abatement Pla	n, Contributing Zone				
Plan: Non-residential		Acres	\$		
Sewage Collection System		L.F.	\$		
Lift Stations without sewer lines		Acres	\$		
Underground or Aboveground S	Storage Tank Facility	Tanks	\$		
Piping System(s)(only)		Each	\$		
Exception		Each	\$ 500.00		
Extension of Time		Each	\$		
Way Atmadja, ¶ Signature:	PE Date:	7/3/22			

# 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

Project	Project Area in Acres	Fee
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,	< 1	\$3,000
multi-family residential, schools, and other sites	1 < 5	\$4,000
where regulated activities will occur)	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

Drainet	Cost per Linear	Minimum Fee-
Project	Foot	Maximum Fee
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	Cost per Tank or Piping System	Minimum Fee- Maximum Fee
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



# TCEQ Core Data Form

TCEQ Use Only	

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

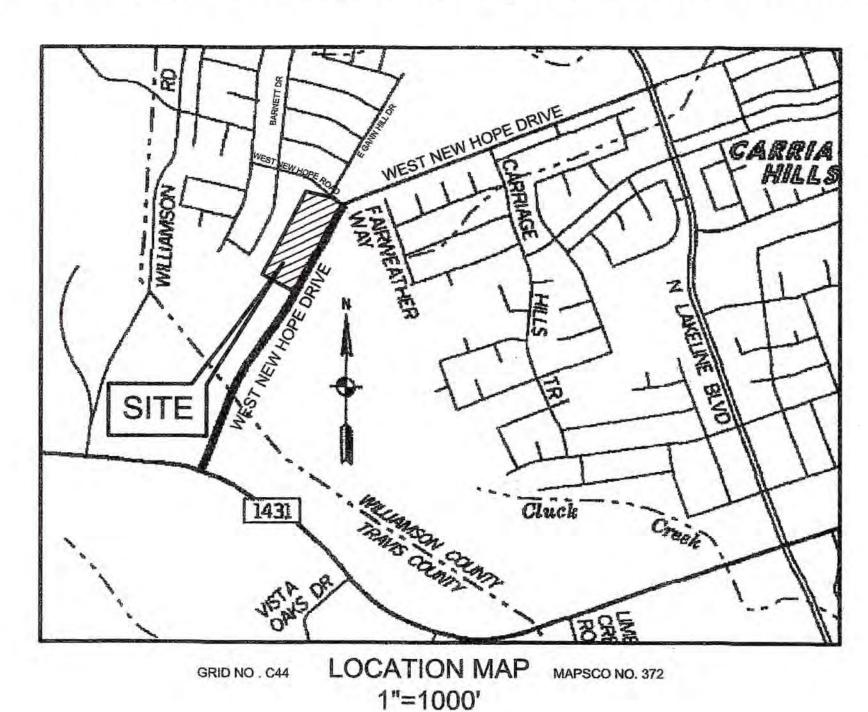
SE	ĽC	П	UN	I:	G	en	eral	In	toı	m	at	10	n
-	)						/			•			-

1. Reason for Submission ( <i>If other is checked please describe in space provided.</i> )  ☑ New Permit, Registration or Authorization ( <i>Core Data Form should be submitted with the program application.</i> )  ☐ Renewal ( <i>Core Data Form should be submitted with the renewal form</i> )  ☐ Other  2. Customer Reference Number ( <i>if issued</i> )  ☐ Sollow this link to search for CN or RN numbers in Control Projector*  ☐ RN 105600134						
2. Customer Reference Number <i>(if issued)</i> Follow this link to search for CN or RN numbers in						
for CN or RN numbers in						
for CN or RN numbers in	ssued)					
SECTION II: Customer Information						
4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yyyy) 7/3/22						
□ New Customer       □ Change in Regulated Entity Ownership         □ 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 acti	tive 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 between the company of the company of the customer between the customer betw	below:					
Sri Shirdi Sai Baba Temple						
7. TX SOS/CPA Filing Number 8. TX State Tax ID (11 digits) 9. Federal Tax ID (9 digits) 10. DUNS Number (if applicable) 26-0408335 021171638						
11. Type of Customer: Corporation Individual Partnership: General Limited						
Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other: <b>Religious</b>						
12. Number of Employees  13. Independently Owned and Operated?  14. O-20						
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following						
□ Owner       □ Operator       □ Owner & Operator         □ Occupational Licensee       □ Responsible Party       □ Voluntary Cleanup Applicant       □ Other:						
2509 West New Hope Drive						
15. Mailing Address:						
City Cedar Park State TX ZIP 78613 ZIP + 4						
16. Country Mailing Information (if outside USA) 17. E-Mail Address (if applicable)						
18. Telephone Number 20. Fax Number (if applicable,	<del>?</del> )					
( 512 ) 260-2721						
SECTION III: Regulated Entity Information						
	ermit application)					
21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a pe	☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information					
21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a pe   New Regulated Entity  Update to Regulated Entity Name  Update to Regulated Entity Information						
21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a pe	ds (removal of					
21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a per New Regulated Entity  Update to Regulated Entity Name  Update to Regulated Entity Information  The Regulated Entity Name submitted may be updated in order to meet TCEO Agency Data Standard	ds (removal of					

TCEQ-10400 (02/21) Page 1 of 2

the Regulated Entity:   No PO Boxes    City   Cedar Park   State   TX   ZIP   78613   ZIP + 4     24. County   Williamson					
City Cedar Park State TX ZIP 78613 ZIP 4  24. County Williamson  Enter Physical Location Description if no street address is provided.  25. Description to Physical Location:  26. Nearest City State Nearest ZIP Code  27. Latitude (N) In Decimal:  Degrees Minutes Seconds  30.52236 Primary SIC Code (4 digits)  30. Secondary SIC Code (4 digits)  31. Primary NAICS Code  32. Secondary NAICS Code					
Enter Physical Location Description if no street address is provided.  25. Description to Physical Location:  26. Nearest City  State  Nearest ZIP Code  27. Latitude (N) In Decimal:  Degrees  Minutes  Seconds  Degrees  Minutes  Seconds  -97.86775  29. Primary SIC Code (A digits)  30. Secondary SIC Code (A digits)  31. Primary NAICS Code  32. Secondary NAICS Code					
25. Description to Physical Location:  26. Nearest City  State  Nearest ZIP Code  27. Latitude (N) In Decimal:  Degrees  Minutes  Seconds  Degrees  Minutes  Seconds  -97.86775  28. Longitude (W) In Decimal:  Degrees  Minutes  Seconds  30.52236  31. Primary NAICS Code  32. Secondary NAICS Code					
Physical Location:  26. Nearest City  State  Nearest ZIP Code  27. Latitude (N) In Decimal:  Degrees  Minutes  Seconds  Degrees  Minutes  Seconds  -97.86775  29. Primary SIC Code (Adigits)  30. Secondary SIC Code (Adigits)  31. Primary NAICS Code  32. Secondary NAICS Code					
27. Latitude (N) In Decimal:  Degrees Minutes Seconds Degrees Minutes Seconds  30.52236 Primary SIC Code (Adigits) 30. Secondary SIC Code (Adigits) 31. Primary NAICS Code 32. Secondary NAICS Code					
Degrees Minutes Seconds Degrees Minutes Seconds  30.52236 -97.86775  29 Primary SIC Code (4 digits) 30 Secondary SIC Code (4 digits) 31. Primary NAICS Code 32. Secondary NAICS Code					
Degrees Minutes Seconds Degrees Minutes Seconds  30.52236 -97.86775  29 Primary SIC Code (4 digits) 30 Secondary SIC Code (4 digits) 31. Primary NAICS Code 32. Secondary NAICS Code					
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1 /9 PHILIALV SIL LODE MAINIST SIL SECOLIDALV SIL LODE MAINIST					
8661 813100					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)					
34. Mailing					
Address:					
City State ZIP 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.					
□ Dam Safety □ Districts □ Edwards Aquifer □ Emissions Inventory Air □ Industrial Hazardous Waste					
Municipal Solid Waste     □ New Source Review Air     □ OSSF     □ Petroleum Storage Tank     □ PWS					
Sludge ☐ Storm Water ☐ Title V Air ☐ Tires ☐ Used Oil					
Voluntary Cleanup       □ Waste Water       □ Wastewater Agriculture       □ Water Rights       □ Other:					
Voluntary Oceanity Control					
SECTION IV: Preparer Information					
40. Name: Way Atmadja, PE 41. Title: Principal					
42. Telephone Number 43. Ext./Code 44. Fax Number 45. E-Mail Address					
(512) 343-0766 ( ) way@wayengineering.com					
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: Way Consulting Engineers, Inc. Job Title: Principal					
Name (In Print): Way Atmadja, PE Phone: (512) 343- 0766					
Signature: W. Atmadja Date:					

TCEQ-10400 (02/21) Page 2 of 2



SD-08-00022 SUBMITTED

5 AUGUST 2008

OWNER
SRI SHIRDI SAI BABA TEMPLE OF AUSTIN
P.O. BOX 877
CEDAR PARK, TEXAS 78630
PHONE:512-528-0807
CONTACT: CRAIG EDWARDS

CIVIL ENGINEER / LANDSCAPE ARCHITECT / ARCHITECT MWM DESIGNGROUP, INC.

CHASE PARK ONE, 7700 CHEVY CHASE DR.

SUITE 100 AUSTIN, TEXAS 78752

PHONE:512-453-0767 FAX:512-453-1734

CONTACT: W. OWEN HARROD PHD, AIA

DATE DESCRIPTION

NUMBER .	DESCRIPTION OF REVISION/CORRECTION	REVISE (R) ADD (A) VOID (V) SHEET NOS	NET CHANGE IMPERVIOUS COVER	TOTAL IMPERVIOUS COVER (SQ FT)	CITY OF CEDAR PARK APPROVAL DATE	DATE
1	REVISE SIDEWALK PAVING, ADD CURB RAMP, ELIMINATE TREE WELLS IN SIDEWALK, REVISE GRADING, ELIMINATE RETAINING WALL AREA THEN REPLACED WITH TURF, AMEND IRRIGATION PLAN, REMOVE DETAILS NOT USED, CORRECT PLAN & PROFILE ELEVATION INCONSISTENCY, ADD ELECTRICAL SITE POWER & LIGHTING PLAN.	R; C001,C101,C401,C402, C501,L101,L191,L401 A; E-7.0 V; N/A	N/A	N/A	6-26-09	6-22-09
2	REMER PRIME AUGUMENT ON SOUTH PROPERTY LINE RESIDENCE STORMENT AT MEST RESO OF TENTRE RESIDENCE STORMEN ADD POND, ADD STORMENE TO PRIME LANDSCAFE AND REALLY,	2 cool, ciol, chol	0/4500 543	* 14	1-16-10	2-12-1
3	PRIPOSED BUILDONG, REMOVE 9 PAREMY SPACES AND ADD 29 NEW SPACES. PROPOSED STORM ILLET IN MENTARKING AREA AND CONNECT TO EXIST INLET.	R COO!, CNICZII, C401, C501, C561, C 192, Lloi			4.17.12	4.17.12
4	ADD 2500 SF PAVILION	R 1,0101,0211,0401 0501,0561,07921	+ 0.06 Ac			

# INDEX OF SITE PLAN SHEETS:

C001	COVER SHEET
C002	NOTES
C003	PLAT
C101	SITE PLAN
C211	EROSION / SEDIMENTATION CONTROL
C291	EROSION / SEDIMENTATION CONTROL
C301	TRAFFIC CONTROL PLAN AND DETAILS
C401	SITE UTILITY PLAN
C402	OFFSITE WASTEWATER PLAN AND PROFILE
C491	DETAILS
C501	GRADING PLAN
C561	DRAINAGE AREA PLAN
C572	POND DETAILS
C791	DETAILS
C792	FIRE DEPARTMENT DETAILS
L101	LANDSCAPE PLAN
L191	LANDSCAPE DETAILS
L401	IRRIGATION PLAN
L491	IRRIGATION DETAILS
AC01	BUILDING ELEVATIONS

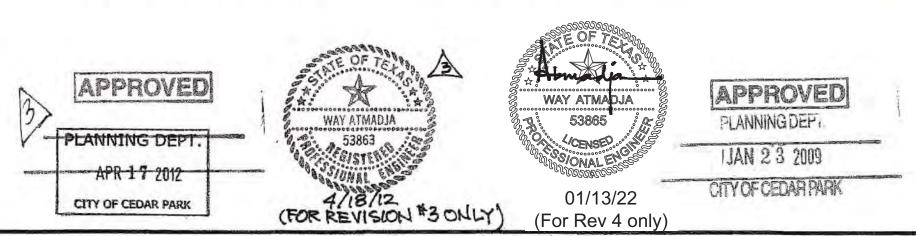
# NOTE:

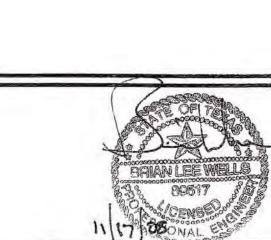
OAK WILT IS KNOWN TO OCCUR IN CLOSE PROXIMITY TO THE PROJECT SITE. NO OAK WILT IS CURRENTLY LOCATED AT THE PROJECT SITE. CONTRACTOR AND SUBCONTRACTOR SHALL TAKE EVERY PRECAUTION TO PREVENT THE SPREAD OF OAK WILT TO THE PROJECT SITE INCLUDING, BUT NOT LIMITED TO, PRUNING OF ALL TREE WORK WITH CLEAN SHARP TOOLS, UTILIZING TREE PAINT AFTER EACH PRUNING CUT, MONITOR EXISTING TREES FOR SIGNS OF DISEASE AND STRESS, COORDINATE WITH CERTIFIED ARBORIST IF OAK WILT IS DETECTED ON SITE.

ALL TREE WOUNDS, INCLUDING THOSE CREATED BY EXCAVATION, PRUNING, SNAGS, TRENCHING, ETC., SHALL BE COVERED (3" TOPSOIL OR MULCH) OR PAINTED WITH TREE PAINT WITHIN 4 HOURS OF WOUNDING TREE.

# GENERAL NOTES

- 1. THIS PROJECT IS LOCATED WITHIN THE BRUSHY CREEK WATERSHED, WHICH IS CLASSIFIED AS SUBURBAN
- NO PORTION OF THIS SITE IS WITHIN THE 100 YEAR FLOODPLAIN AS PER FEMA FIRM PANEL 48491C0325C DATED SEPTEMBER 26, 2008, FOR WILLIAMSON COUNTY, TEXAS.
- 3. TREES ARE BEING REMOVED IN CONJUNCTION WITH THE CONSTRUCTION OF THE PROJECT.
- 4. THIS SITE IS LOCATED WITHIN THE CONTRIBUTING ZONE OF THE EDWARD'S AQUIFER.
- 5. PURSUANT TO 15-12-131 OF THE CITY CODE, THE CONTRACTOR MAY NOT BLOCK, DIRECT, IMPEDE, OR REROUTE PEDESTRIAN AND VEHICULAR TRAFFIC, NOR PLACE A BARRICADE OR OTHER TRAFFIC CONTROL DEVICE IN A RIGHT-OF-WAY, WITHOUT FIRST OBTAINING A "TEMPORARY USE OF RIGHT-OF-WAY PERMIT" FROM THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION





Date 1-20-09

Date /- 20-09

Date 1-21-09

Reviewed for Code

Compliance

all Departments

CEDG Signature required from

3686

suce Hern

Site Development Permit Number SD-08-00022

Public Works

Urban Forester

Addressing Just bus



Chase Park One
7700 Chevy Chase Dr.
Sulte 100
Austin, Texas 78752
p: 512.453.0767
f: 512.453.1734

EXHIBIT-1(a)

The bar above measures one inch on the original drawing. Adjust scales accordingly.

COVER

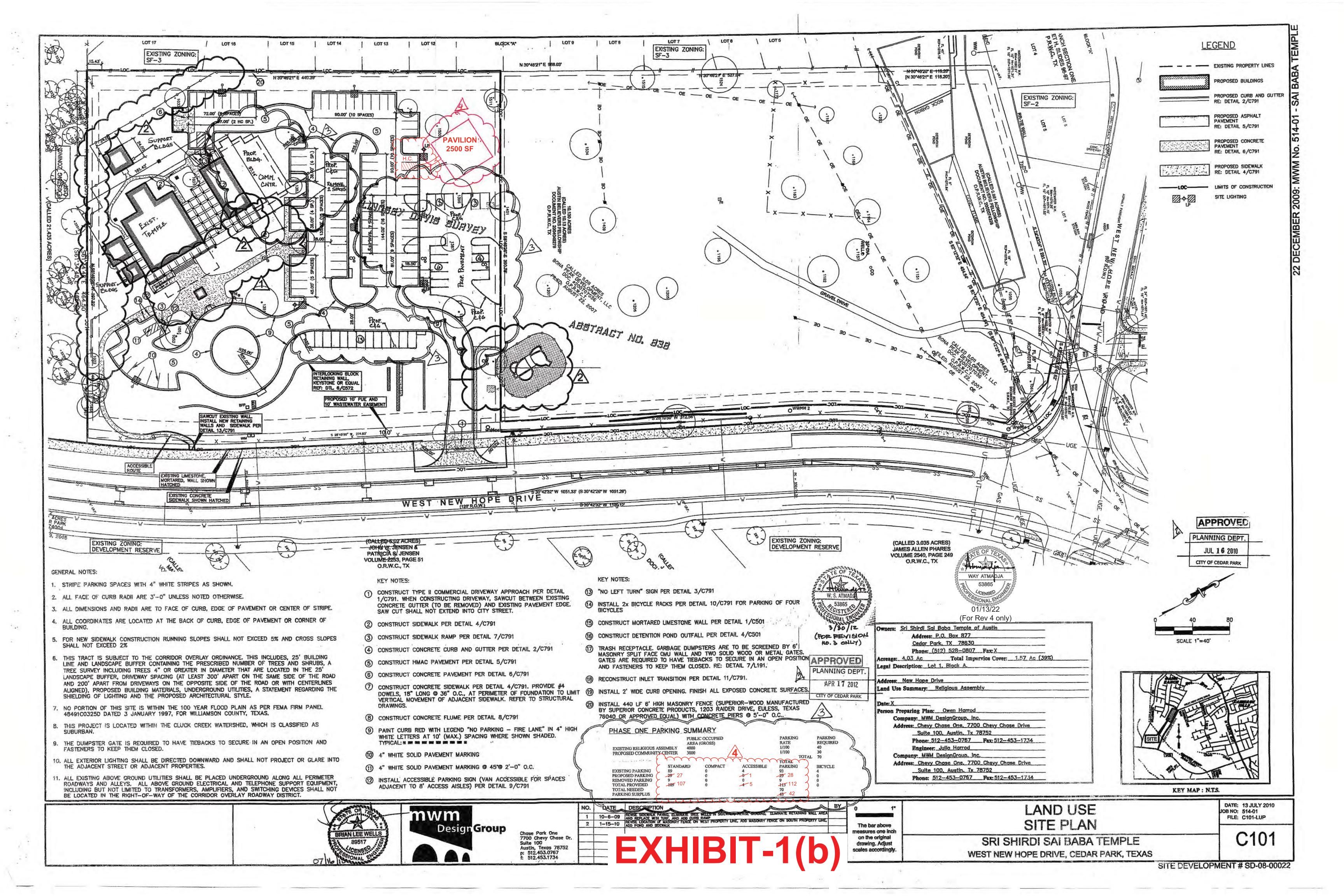
SRI SHIRDI SAI BABA TEMPLE

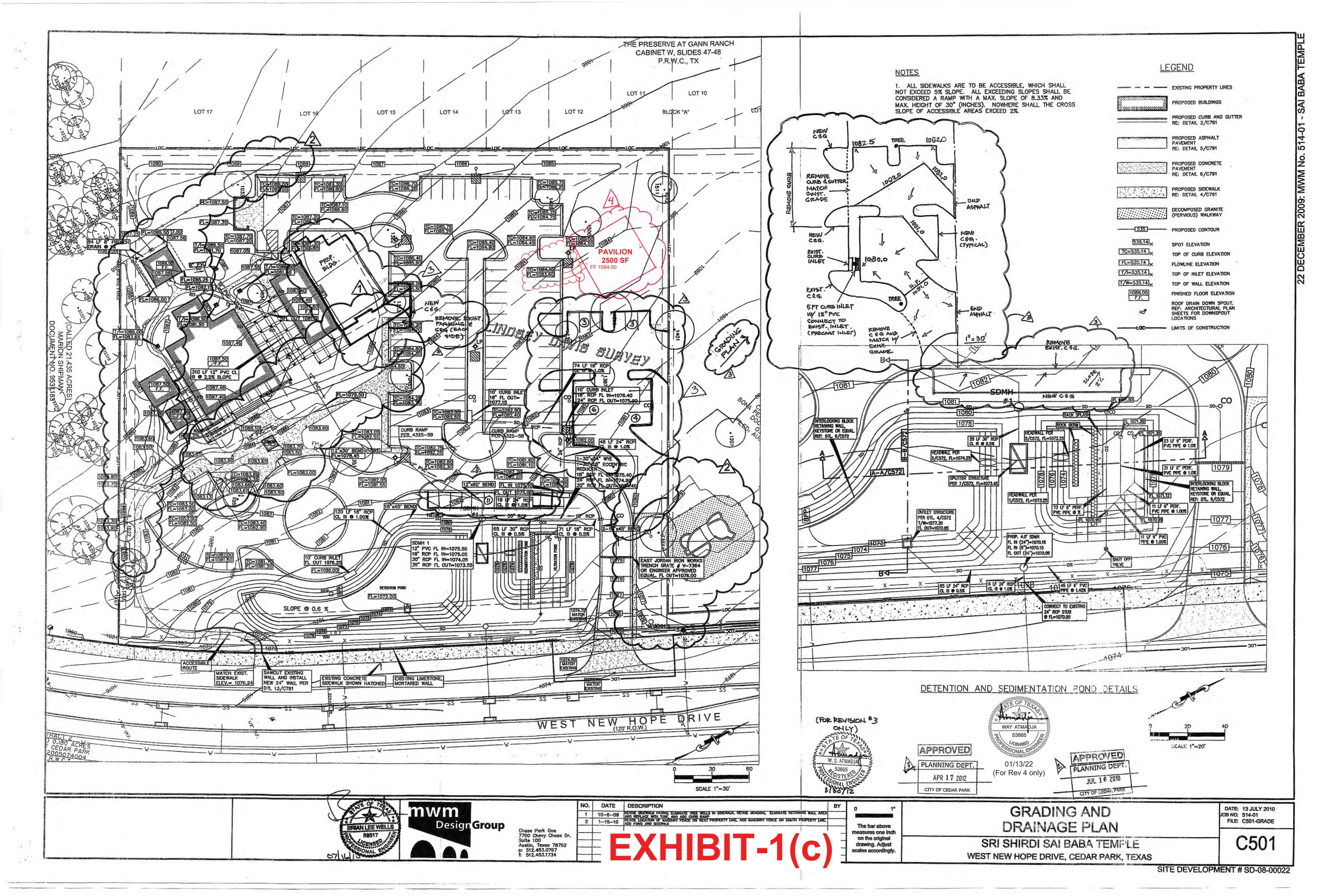
DATE: 17 NOV 2008 JOB NO: 514-01 FILE: C001-COVR

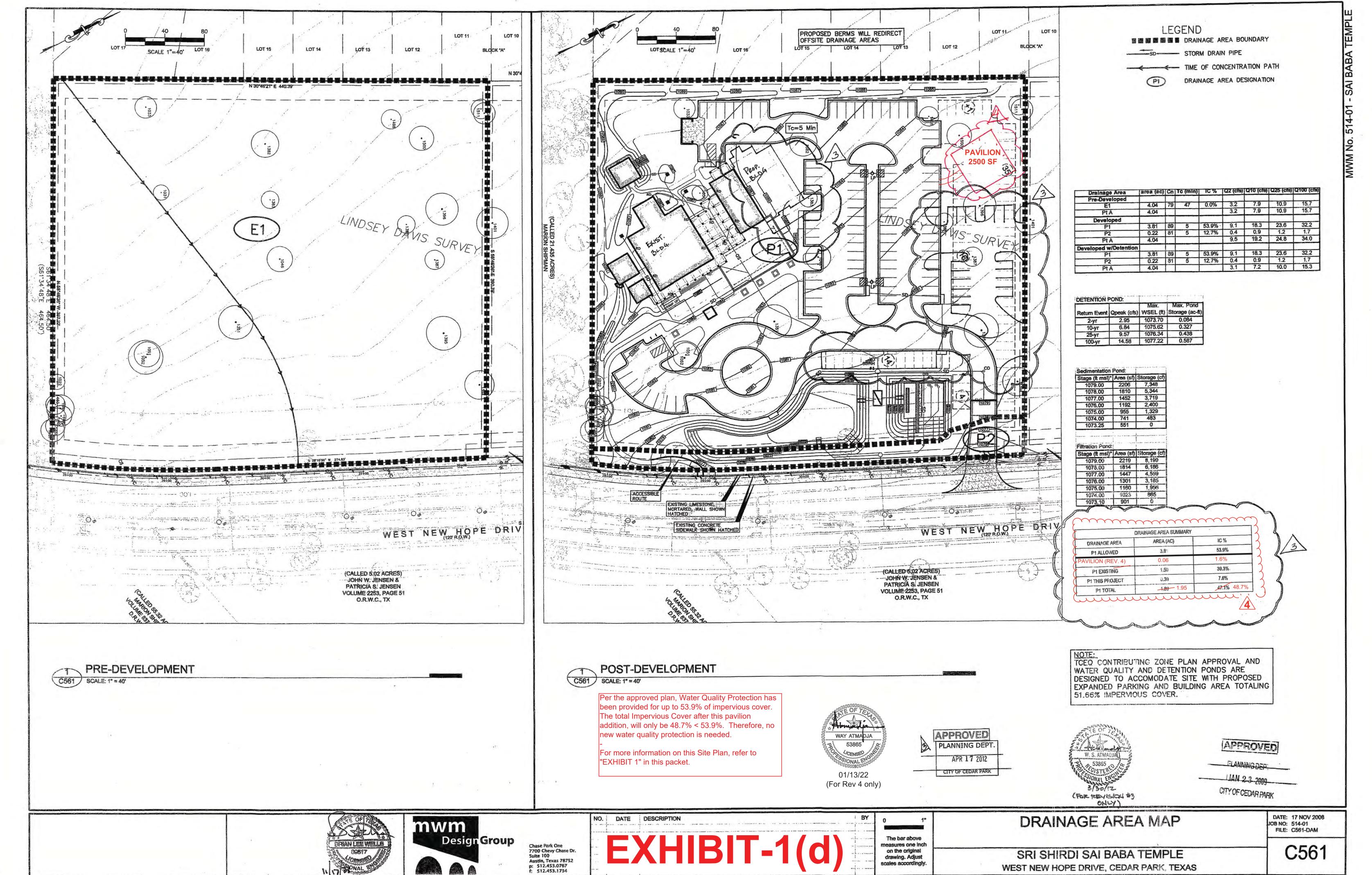
C001

WEST NEW HOPE DRIVE, CEDAR PARK, TEXAS

SITE DEVELOPMENT # SD-08-00022







SITE DEVELOPMENT # SD-08-00022

Buddy Garcia, Chairman Larry R. Soward, Commissioner Bryan W. Shaw, Ph.D., Commissioner Mark R. Vickery, P.G., Executive Director





# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 26, 2008

Mr. Craig Edwards Sri Shirdi Sai Baba Temple of Austin P.O. Box 877 Cedar Park, Tx 78630

Edwards Aquifer, Williamson County Re:

NAME OF PROJECT: Sri Shirdi Sai Baba Temple of Austin; Located on the west side of New Hope Road south of the intersection with Gann Ranch; City of Cedar Park, Texas TYPE OF PLAN: Request for Approval of a Contributing Zone Plan (CZP); 30 Texas

Administrative Code (TAC) Chapter 213 Subchapter B Edwards Aquifer

Edwards Aquifer Protection Program ID No. 11-08080501; Investigation No. 703118; Regulated Entity No. RN105600134

Dear Mr. Edwards:

The Texas Commission on Environmental Quality (TCEQ) has completed its review of the CZP Application for the above-referenced project submitted to the Austin Regional Office by MWM Design Group on behalf of Sri Shirdi Sai Baba Temple of Austin on August 5, 2008. As presented to the TCEQ, the Temporary Permanent Best Management Practices (BMPs) and construction plans were prepared by a Texas Licensed Professional Engineer to be in general compliance with the requirements of 30 TAC Chapter 213. These planning materials were sealed, signed and dated by a Texas Licensed Professional Engineer. Therefore, based on the engineer's concurrence of compliance, the planning materials for construction of the proposed project and pollution abatement measures are hereby approved subject to applicable state rules and the conditions in this letter. The applicant or a person affected may file with the chief clerk a motion for reconsideration of the executive director's final action on this Edwards Aquifer Protection Plan. A motion for reconsideration must be filed no later than 23 days after the date of this approval letter. This approval expires two (2) years from the date of this letter unless, prior to the expiration date, more than 10 percent of the construction has commenced on the project or an extension of time has been requested.

### PROJECT DESCRIPTION

The proposed non-residential project will have an area of approximately 4.2 acres. It will include the construction of a 7,200 square foot religious assemble building and associated parking, access drives and sidewalks. The impervious cover will be 2.08 acres (51.66 percent). Project wastewater will be disposed of by conveyance to the existing Brushy Creek Wastewater Treatment Plant.

# PERMANENT POLLUTION ABATEMENT MEASURES

To prevent the pollution of stormwater runoff originating on-site or upgradient of the site and potentially flowing across and off the site after construction, a partial sedimentation/filtration pond, designed using the TCEQ technical guidance document, Complying with the Edwards Aquifer Rules: Technical

REPLY To: REGION 11 • 2800 S. INTERSTATE HWY. 35, STE. 100 • AUSTIN, TEXAS 78704-5700 • 512-339-2929 • FAX 512-339-3795

Mr. Craig Edwards Page 2 September 26, 2008

<u>Guidance on Best Management Practices</u> (2005), will be constructed to treat stormwater runoff. The required total suspended solids (TSS) treatment for this project is 1814 pounds of TSS generated from the 2.08 acres of impervious cover. The proposed partial sedimentation/filtration pond will remove 2,051 pounds of sediment with an required capture volume of 9,066 cubic feet. The approved measures meet the required 80 percent removal of the increased load in TSS caused by the project.

# SPECIAL CONDITIONS

- I. All permanent pollution abatement measures shall be operational prior to occupancy of the facility.
- II. All sediment and/or media removed from the water quality basin during maintenance activities shall be properly disposed of according to 30 TAC 330 or 30 TAC 335, as applicable.

### STANDARD CONDITIONS

- Pursuant to Chapter 7 Subchapter C of the Texas Water Code, any violations of the requirements in 30 TAC Chapter 213 may result in administrative penalties.
- 2. The holder of the approved Edwards Aquifer protection plan must comply with all provisions of 30 TAC Chapter 213 and all best management practices and measures contained in the approved plan. Additional and separate approvals, permits, registrations and/or authorizations from other TCEQ Programs (i.e., Stormwater, Water Rights, UIC) can be required depending on the specifics of the plan.
- In addition to the rules of the Commission, the applicant may also be required to comply with state and local ordinances and regulations providing for the protection of water quality.

### Prior to Commencement of Construction:

- 4. All contractors conducting regulated activities at the referenced project location shall be provided a copy of this notice of approval. At least one complete copy of the approved Contributing Zone Plan and this notice of approval shall be maintained at the project location until all regulated activities are completed.
- Any modification to the activities described in the referenced CZP application following the date of approval may require the submittal of a plan to modify this approval, including the payment of appropriate fees and all information necessary for its review and approval prior to initiating construction of the modifications.
- The applicant must provide written notification of intent to commence construction, replacement, or rehabilitation of the referenced project. Notification must be submitted to the Austin Regional Office no later than 48 hours prior to commencement of the regulated activity. Written notification must include the name of the approved plan and file number for the regulated activity, the date on which the regulated activity will commence, and the name of the prime contractor with the name and telephone number of the contact person.

7. Temporary erosion and sedimentation (E&S) controls, i.e., silt fences, rock berms, stabilized construction entrances, or other controls described in the approved Storm Water Pollution Prevention Plan (SWPPP) must be installed prior to construction and maintained during construction. Temporary E&S controls may be removed when vegetation is established and the construction area is stabilized. If a water quality pond is proposed, it shall be used as a sedimentation basin during construction. The TCEQ may monitor stormwater discharges from the site to evaluate the adequacy of temporary E&S control measures. Additional controls may be necessary if excessive solids are being discharged from the site.

# During Construction:

- 8. During the course of regulated activities related to this project, the applicant or his agent shall comply with all applicable provisions of 30 TAC Chapter 213, Edwards Aquifer. The applicant shall remain responsible for the provisions and conditions of this approval until such responsibility is legally transferred to another person or entity.
- 9. If sediment escapes the construction site, the 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). Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been significantly reduced. 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).
- 10. Intentional discharges of sediment laden storm water are not allowed. If dewatering becomes necessary, the discharge will be filtered through appropriately selected best management practices. These may include vegetated filter strips, sediment traps, rock berms, silt fence rings, etc.
- 11. The following records shall be maintained and made available to the executive director upon request: 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.
- 12. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- This approval does not authorize the installation of temporary aboveground storage tanks on this project. If the contractor desires to install a temporary aboveground storage tank for use during construction, an application to modify this approval must be submitted and approved prior to installation. The application must include information related to tank location and spill containment. Refer to Standard Condition No. 5, above.

# After Completion of Construction:

14. Owners of permanent BMPs and measures must insure that the BMPs and measures are constructed and function as designed. A Texas Licensed Professional Engineer must certify in

writing that the permanent BMPs or measures were constructed as designed. The certification letter must be submitted to the Austin Regional Office within 30 days of site completion.

- 15. The applicant shall be responsible for maintaining the permanent BMPs after construction until such time as the maintenance obligation is either assumed in writing by another entity having ownership or control of the property (such as without limitation, an owner's association, a new property owner or lessee, a district, or municipality) or the ownership of the property is transferred to the entity. Such entity shall then be responsible for maintenance until another entity assumes such obligations in writing or ownership is transferred. A copy of the transfer of responsibility must be filed with the executive director through the Austin Regional Office within 30 days of the transfer. A copy of the transfer form (TCEQ-10263) is enclosed.
- 16. Upon legal transfer of this property, the new owner(s) is required to comply with all terms of the approved Contributing Zone Plan. If the new owner intends to commence any new regulated activity on the site, a new Contributing Zone Plan that specifically addresses the new activity must be submitted to the executive director. Approval of the plan for the new regulated activity by the executive director is required prior to commencement of the new regulated activity.
- 17. A Contributing Zone Plan approval or extension will expire and no extension will be granted if more than 50 percent of the total construction has not been completed within ten years from the initial approval of a plan. A new Contributing Zone Plan must be submitted to the Ausitn Regional Office with the appropriate fees for review and approval by the executive director prior to commencing any additional regulated activities.
- 18. At project locations where construction is initiated and abandoned, or not completed, the site shall be returned to a condition such that the aquifer is protected from potential contamination.

If you have any questions or require additional information, please contact Mr. John Guerra of the Edwards Aquifer Protection Program of the Austin Regional Office at 512-339-2929.

Sincerely,

Mark R. Vickery, P.G., Executive Director Texas Commission on Environmental Quality

MRV/jmg

Enclosure:

Change in Responsibility for Maintenance of Permanent BMPs, TCEQ-10263

cc: Mr. W. Owen Harrod, MWM Design Group

Mr. Sam Roberts, P.E., Director of Public Works, City of Cedar Park

TCEQ Central Records, Building F, MC212

WCAD

#### WILLIAMSON COUNTY PROPERTY TAX

1 of 2

Property Owner Property Address Tax Year 2022 Market Value
R499688 SRI SHIRDI SAI BABA TEMPLE OF AUSTIN 2505 W NEW HOPE RD, CEDAR PARK, TX 78613 2022 

CERTIFIED \$2,516,908

#### 2022 GENERAL INFORMATION

Property Status Active

Property Type C5

Legal Description S9802 - TEMPLE SUB, Lot 2, ACRES 5.075

Neighborhood L50QC - Leander/Cedar Park Church

Account R-17-W348-8000-0002-0006

Map Number 4-5042

#### 2022 OWNER INFORMATION

Owner Name SRI SHIRDI SAI BABA TEMPLE OF AUSTIN

Owner ID

Exemptions Exempt Property

Percent Ownership 100%

Mailing Address % CRAIG & JILL EDWARDS 1902 BARNETT DR CEDAR PARK, TX 78613

Agent

#### 2022 VALUE INFORMATION

Improvement Homesite Value \$0

Improvement Non-Homesite Value \$1,500,000

Total Improvement Market Value \$1,500,000

Land Homesite Value

Land Non-Homesite Value \$1,016,908

Land Agricultural Market Value

Total Land Market Value \$1,016,908

Total Market Value

**\$2,516,908** Print

Agricultural Use

pr\$@erty information

\$0

\$0

\$0

Timber Use

\$2.516.908

Homestead Cap Loss

Total Appraised Value

oss -\$0

Total Assessed Value \$2,516,908

#### 2022 ENTITIES & EXEMPTIONS

#### Special Exemptions EX - Exempt Property

TAXING ENTITY	EXEMPTIONS	EXEMPTIONS AMOUNT		TAXABLE VALUE	TAX RATE PER 100	TAX CEILING
CAD- Williamson CAD			\$0	\$0	0	0
CCP- City of Cedar Park			\$0	\$0	0.432	0
☑ GWI- Williamson CO			\$0	\$0	0.400846	0
🗗 J01- Aus Comm Coll			\$0	\$0	0.1048	0
€ RFM- Wmsn CO FM/RD			\$0	\$0	0.04	0
♂ SLE- Leander ISD			\$0	\$0	1.337	0
🗗 W09- Upper Brushy Creek WCID			\$0	\$0	0.0175	0
TOTALS					2.332146	

#### **WILLIAMSON COUNTY PROPERTY TAX**

2 of 2

**2022 IMPROVEMENTS** 

▼ Expand/Collapse All

I	mprovement #1	State Code	F	omesite	Total Mair	n Area (Exterior Measured) Mark	et Value
-		XV - Other Exemptions	N	lo	-	\$1,50	0,000
	RECORD	TYPE	YEAR BUILT	SQ. FT		VALUE	ADD'L INFO
	1	Main Area	2013		-	\$1,000,000	➤ Details
	2	Main Area	2013		-	\$500,000	∀ Details

#### 2022 LAND SEGMENTS

TOTALS						221,067 Sq. ft / 5.075000 acres
1 - Commercial	XV - Other Exemptions	No	\$1,016,908	\$0	\$0	221,067 Sq. ft
LAND SEGMENT TYPE	STATE CODE	HOMESITE	MARKET VALUE	AG USE	TIM USE	LAND SIZE

#### **VALUE HISTORY**

YEAR	IMPROVEMENT	LAND	MARKET	AG MARKET	AG USE	APPRAISED	HS CAP LOSS	ASSESSED
2021	\$1,500,000	\$884,268	\$2,384,268	\$0	\$0	\$2,384,268	\$0	\$2,384,268
2020	\$1,425,000	\$840,054	\$2,265,054	\$0	\$0	\$2,265,054	\$0	\$2,265,054
2019	\$1,500,000	\$630,041	\$2,130,041	\$0	\$0	\$2,130,041	\$0	\$2,130,041
2018	\$1,500,000	\$596,881	\$2,096,881	\$0	\$0	\$2,096,881	\$0	\$2,096,881
2017	\$1,500,000	\$596,881	\$2,096,881	\$0	\$0	\$2,096,881	\$0	\$2,096,881

#### **SALES HISTORY**

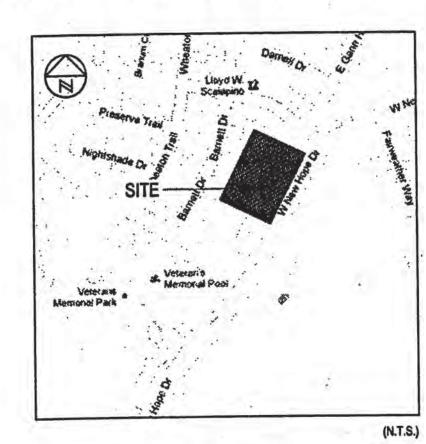
DEED DATE	SELLER	BUYER	INSTR#	VOLUME/PAGE
2/22/2008	SRI SHIRDI SAI BABA TEMPLE OF AUSTIN	SRI SHIRDI SAI BABA TEMPLE OF AUSTIN	2008016380	



# Sri Shirdi Sai Baba Temple of Austin

2505 WEST NEW HOPE DRIVE

(MAIN ADDRESS: 2509 W. NEW HOPE DR.) Cedar Park, Texas 78613



**KEY MAP** 

OWNER

**ARCHITECT** 

2509 W. NEW HOPE DRIVE TELEPHONE: 512.528-0807

ARCHITECTURE TDC ATTN: TERRY COLEGROVE 3027 SESBANIA AUSTIN, TX 78748 TELEPHONE: 512.282-0693

WATER & FIRE REQUIREMENTS

CONSTR. TYPE: II-B (Non-combustible, 0-HR)

FIRE DEMAND (After Reduction): 1500 GPM

Hydrant #1 (on-site) provides: 1500 GPM

WATER & WASTE WATER REQM'T.

(Estimated Peak Domestic Demand)

WATER = 28 F.U. = 38 G.P.M.

WASTEWATER = 25 F.U. = 38 G.P.M.

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE

ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE

COMPLETENESS, ACCURACY, AND ADEQUACY OF HIS/HER

SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

A VERIFICATION OF ALL DATA, INFORMATION, AND

CALCULATIONS SUPPLIED BY THE APPLICANT. THE

STATIC PRESSURE: 64 PSI RESIDUAL PRESSURE: 60 PSI

NEW BUILDING: 8,209 S.F.

SPRINKLER REDUCTION: 75%

No. of HYDRANTS Reg'd: 1

FLOW: 1250 GPM

CIVIL ENGINEER

WAY CONSULTING ENGINEERS, INC. 11615 ANGUS ROAD, STE. 119 **AUSTIN, TX 78759** TELEPHONE: (512) 343-0766 (512) 343-9103

LANDSCAPE ARCHITECT

MARK BROOKS LANDSCAPE ARCHITECTURE 544 MILITARY DR. CANYON LAKE, TX 78133 TELEPHONE: 512.448-0137

SURVEYOR

BAKER - AICKLEN & ASSOC., INC. 405 BRUSHY CREEK RD. CEDAR PARK, TX 78613 TELEPHONE: 512.260-3700 PROJECT # 1760-3-002-21

# **APPROVED**

MAR 04 2021 PLANNING DIV CITY OF CEDAR PARK

APPROVED

PLANNING DEPT.

Addressing

APR 24 2017 /R2

Site Development Permit Number

COVER SHEET

SHEET INDEX

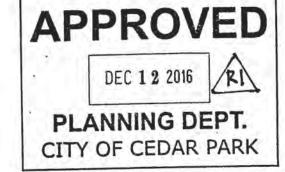
CITY OF CEDAR PARK Reviewed for Code Compliance

Signature required from all Departments Planning Date 09/18/12 Public Works Industrial Pretreatment Fire Marshal Urban Forester

## SEQUENCE OF CONSTRUCTION

- Install silt fence, stabilized construction entrance, and tree protection.
- Install storm sewer to pond. Excavate water quality and detention pond.
- Grade site, construct utility lines.
- Construct building pads.
- Construct pavement and sidewalks.
- Finalize pond and begin vegetation.
- Site cleanup and contact Civil Engineer for a site walk-through.
- Contact the City of Cedar Park Environmental Inspector for a final inspection.
- Remove silt fence, tree protection, and stabilized construction entrance.

All responsibility for the accuracy of these plans remains With the engineer who prepared them. In reviewing these plans, the City of Cedar Park must rely on the adequacy of the work of the design engineer.



(See sheet 25)

APPROVED PLANNING DEPT. CITY OF CEDAR PARK

	REVISIONS / CO	DRRECTIO	NS			
NO.	DESCRIPTION	REVISE (R) ADD (A) SHEET NO'S	TOTAL# SHEETS IN PLAN SET	NET CHANGE IMP. COVER	% SITE IMP. COVER	APPROVED / DATE
<b>R1</b> (LOT 2)	ADDITIONAL PARKING LOT ON REMAINDER OF SITE (A) (PROPOSED ADDITIONAL SHEETS) EXISTING	ADDED SHEETS: 16,17.18 19,20,212	PROPOSED	Ald 1.16 (ACRES)	<b>43%</b> (LOT 2)	12/12/2016
<b>R1</b> (LOT 2)	ADDITIONAL PARKING LOT - REVISED SHTS.	REVISED: 1,3,5,7,1,0 (R)			(LOT 2)	12/12/2016
<b>R2</b> (LOT 2)	ADD FIRE HYDRANT	1,13,20	22	no change	43% (LOT 2)	CIPS YANTE
<b>R3</b> (LOT 2)	Add 7 ft high security fence, gates, & turn-arounds	(R) 1 (A) 23, 24	Existing 22 Proposed 24	Add 192 S.F. (0.004 ac.)	43% (LOT 2)	
R4	Add 48'x48' Pavilion & Accessible parking	(R) 1, 23 (A) 25, 26	Existing 24 Proposed	Add: Bldg 2300sf	48.7%	

. 2509 W. NEW HOPE DRIVE Lot 2, Temple Subdivison City of Cedar Park, County of Williamson State of Texas 2010023499 On May 31, 2012, the Board of Adjustments approved a variance to Section 11.02.135 (F), allowing a flat roof for temple at 2505 West New Hope Drive. The water quality and detention ponds have been designed to accommodate this development and future expansion for a total impervious cover of up to 2.04 acres.

SITE-INFORMATION: 1. TOTAL SITE AREA: 5.075 Acres (L.O.C. = 1.96 acres) 2. ZONE: TRANSITIONAL COMMERCIAL (LOT 2) 4. JURISDICTION: SUBURBAN IMPERVIOUS COVER: Decious Cover (For this project) = 1.02 acres (20%)

New Park in 1.16

Building footprint: 0.21 acres R3 Pavement & Sidewalk: 0.81 acres
Turn-arounds: 0.004 acres

> The 100-year floodplain, as defined by City regulations, is contained within the drainage easement(s) shown hereon. No portion of this tract is within the boundaries of the 100-year flood plain of any waterway that is within the limits of the FEMA map panel #48491C0465E, dated September 26, 2008.

7. All existing slopes on this site are less than 15% 8. Site is within the Contributing Zone of the Edwards Aquifer.

(Per TCEQ maps)

**AUSTIN** SHIRDI 250 Ce

> SHEET COVER

JAM . 11129 PLAT MAP RECORDING SHEET

DEDICATOR: SRI SHIRDI SAI BABA TEMPLE OF AUSTIN CRAIG D. EDWARDS, PRESIDENT

SUBDIVISION NAME: TEMPLE SUBDIVISION, FINAL PLAT

PLAT RECORDED IN: CABINET FF SLIDES 179 AND 180

PROPERTY IS DESCRIBED AS: 9.157 ACRES OUT OF THE LINDSEY DAVIS SURVEY, ABSTRACT NUMBER 838, OF WILLIAMSON COUNTY, BEING A PORTION OF A 11.011 ACRE TRACT.

Reference: 2008016380

HAND TO: CITY OF CEDAR PARK; AMY LINK, (512) 401-5056

INSTRUMENT DATE: OCTOBER 21, 2008

FILE DATE: DECEMBER 8, 2008

FOR LEGIBLE COPY OF PLAT, PLEASE SEE ORIGINAL

FILED AND RECORDED OFFICIAL PUBLIC RECORDS 2008088817

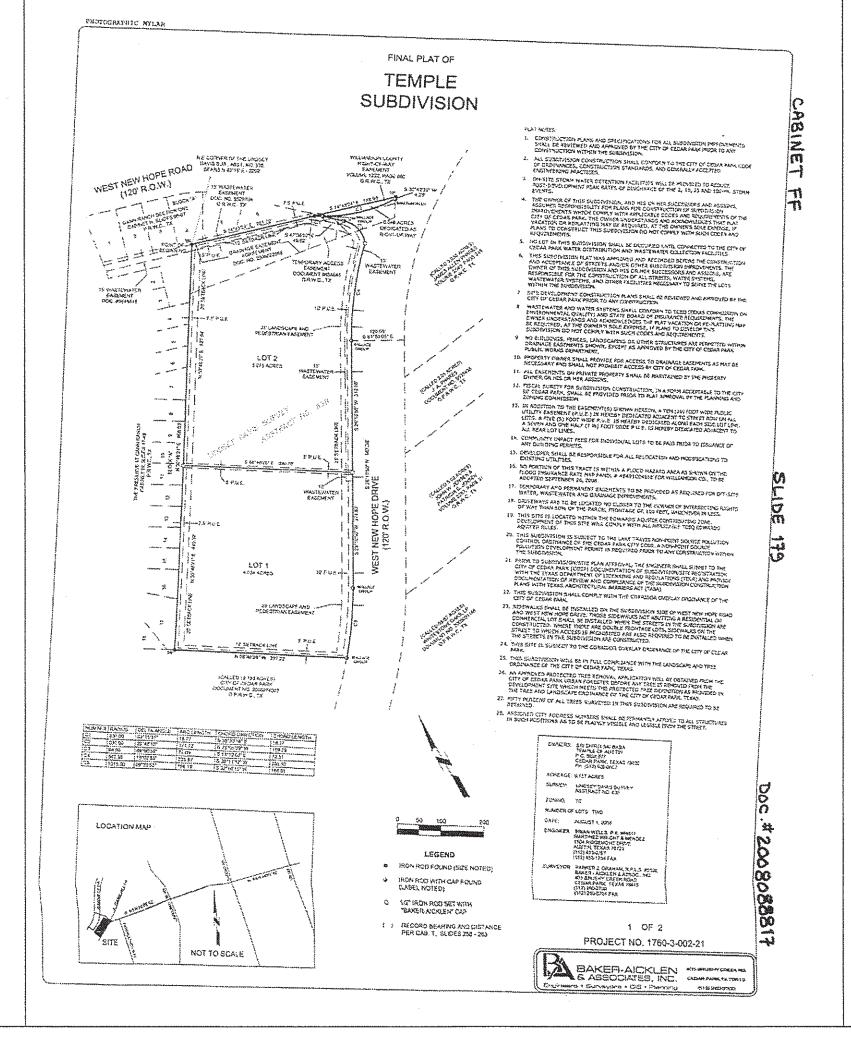
Name E. Ruter

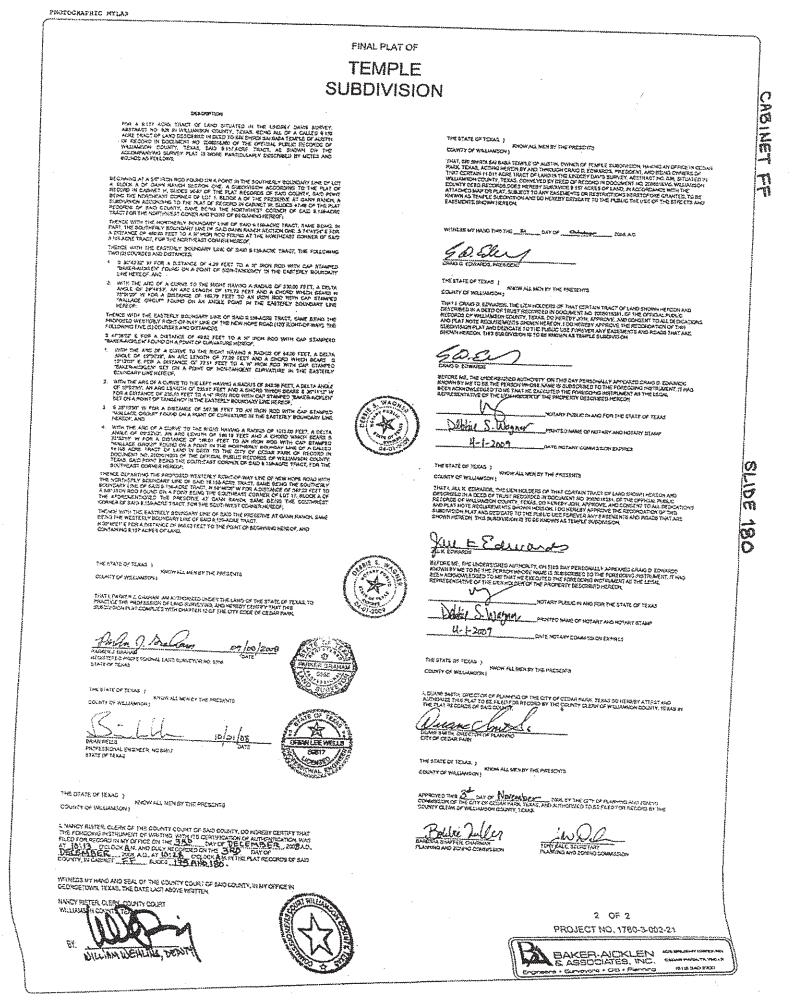
12/03/2008 10:28 AM

WEHLING \$111.00

NAMCY E. RISTER, COUNTY CLERK

WILLIAMSON COUNTY, TEXAS





PLANNING DEPT.

SEP 18 2012

CITY OF CEDAR PARK

STRUCTURAL & COUNTERING

S T S T 18

SHIRDI SAI BABA TEMPLE OF AUSTIN 2505 West New Hope Drive Cedar Park, Texas 78713

S

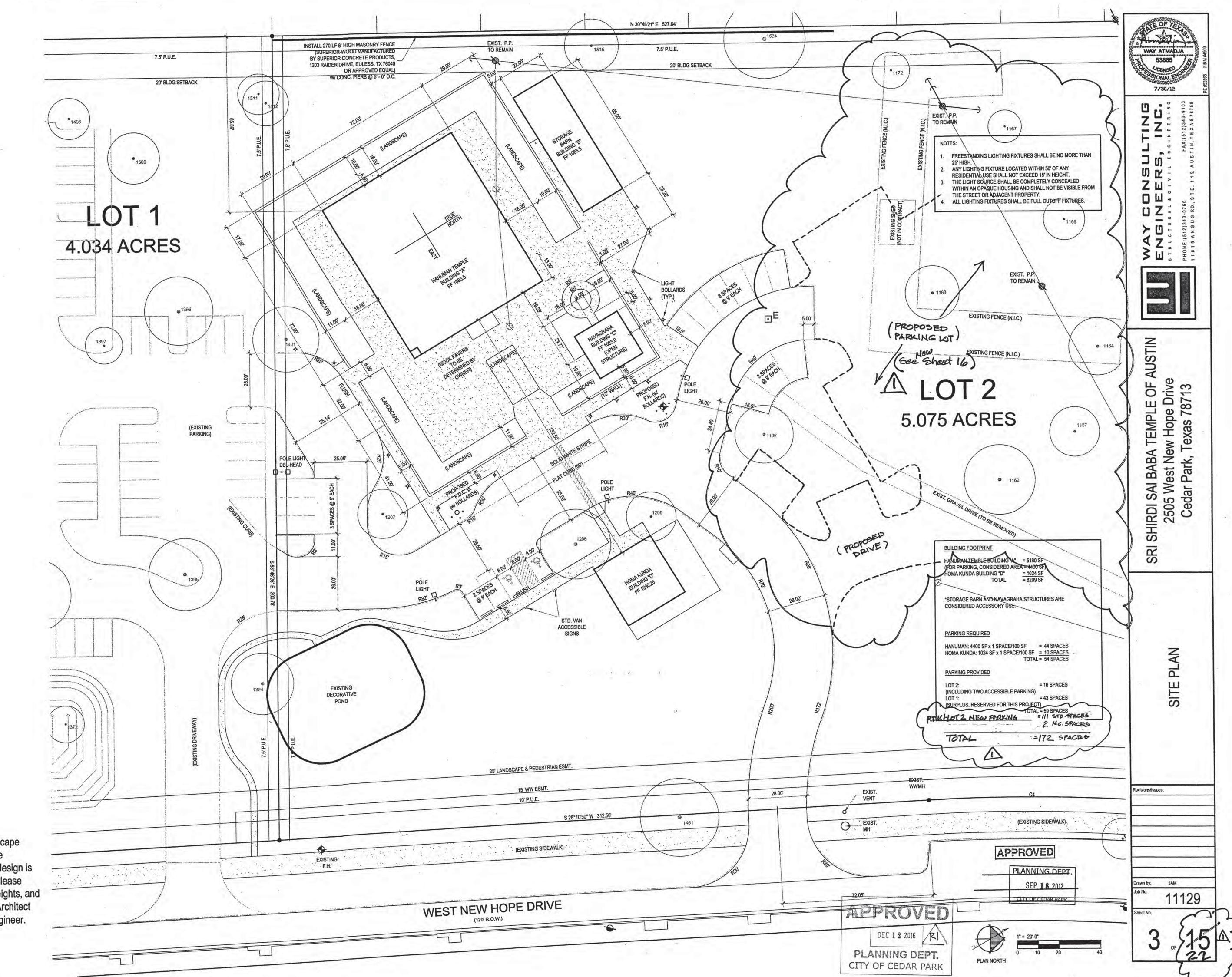
MAT SHEET

Revisions/Issues: ??/??/????

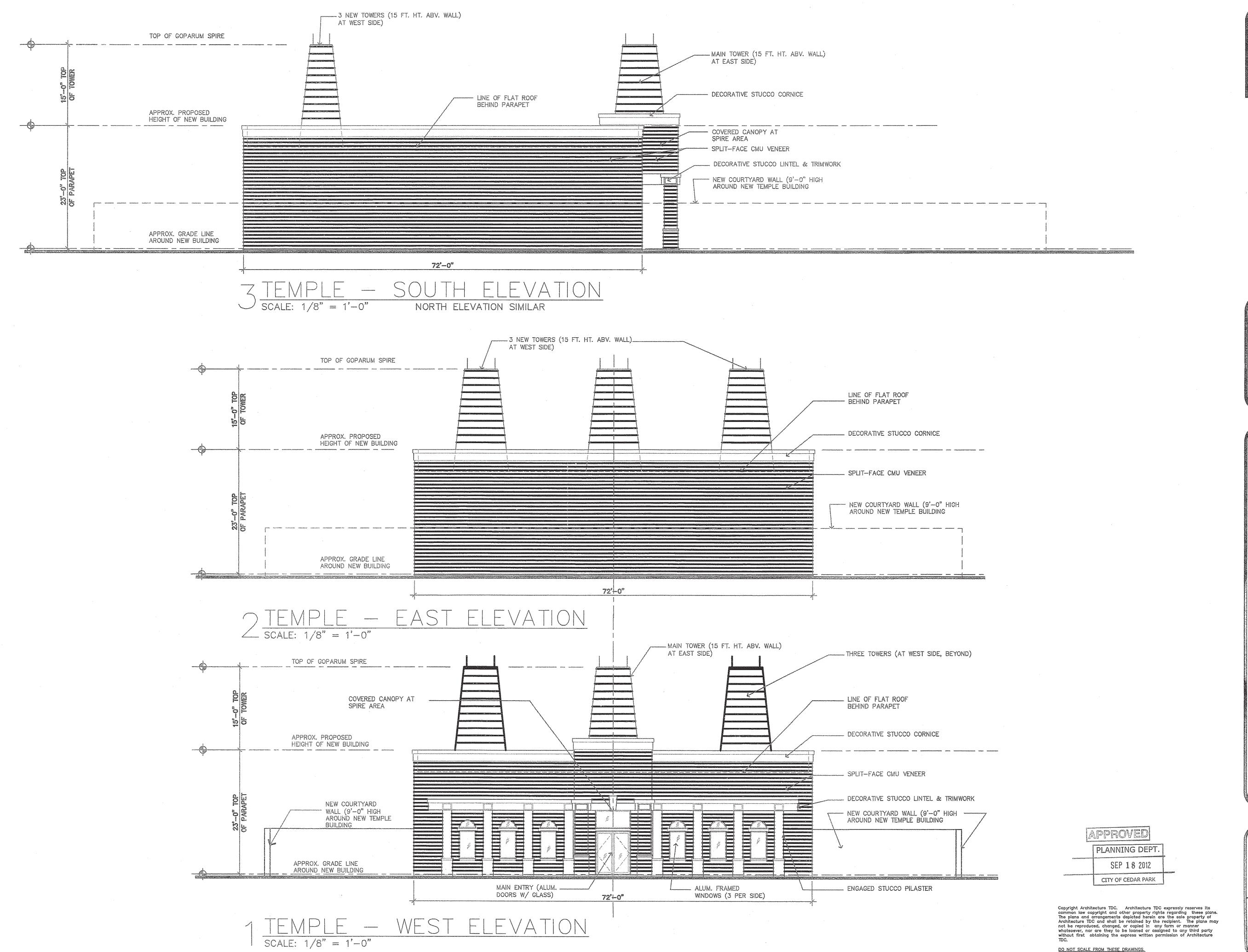
Drawn by: JAM

Job No. 11129

2 of 15



NOTE: Pole lights and Landscape lighting shown on this plan are diagrammatic only. Lighting design is the responsibility of others. Please verify their exact locations, heights, and other specifications with the Architect and the Lighting Designer/Engineer.



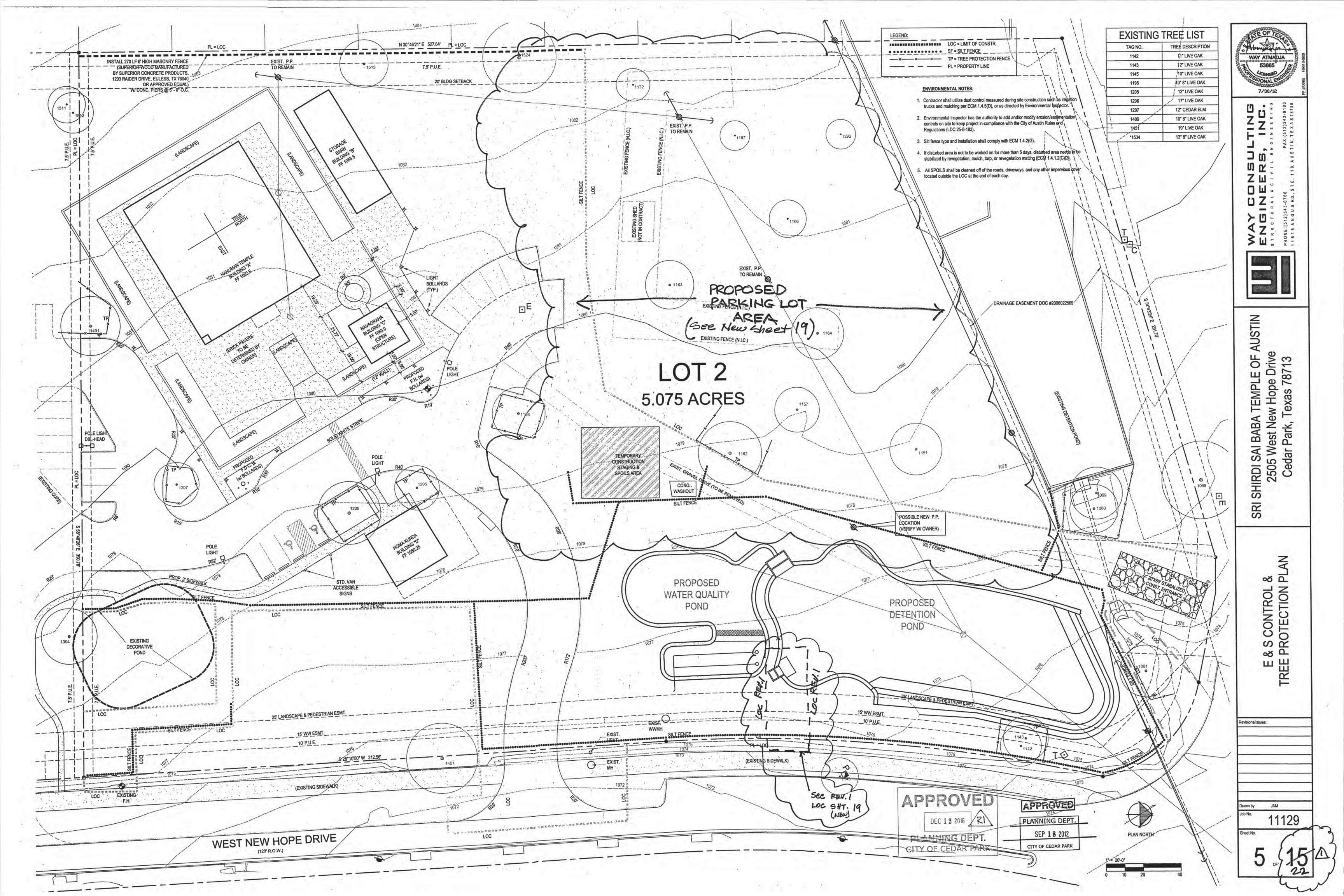
6 BABA

SHRD SA HANUMAN 

JOB NO.: DATE: 4-19-12 DESIGN: TDC DRAWN: RCD CHECKED: TDC REV'D:

SHFFT NO ELEVATIONS

DO NOT SCALE FROM THESE DRAWINGS.

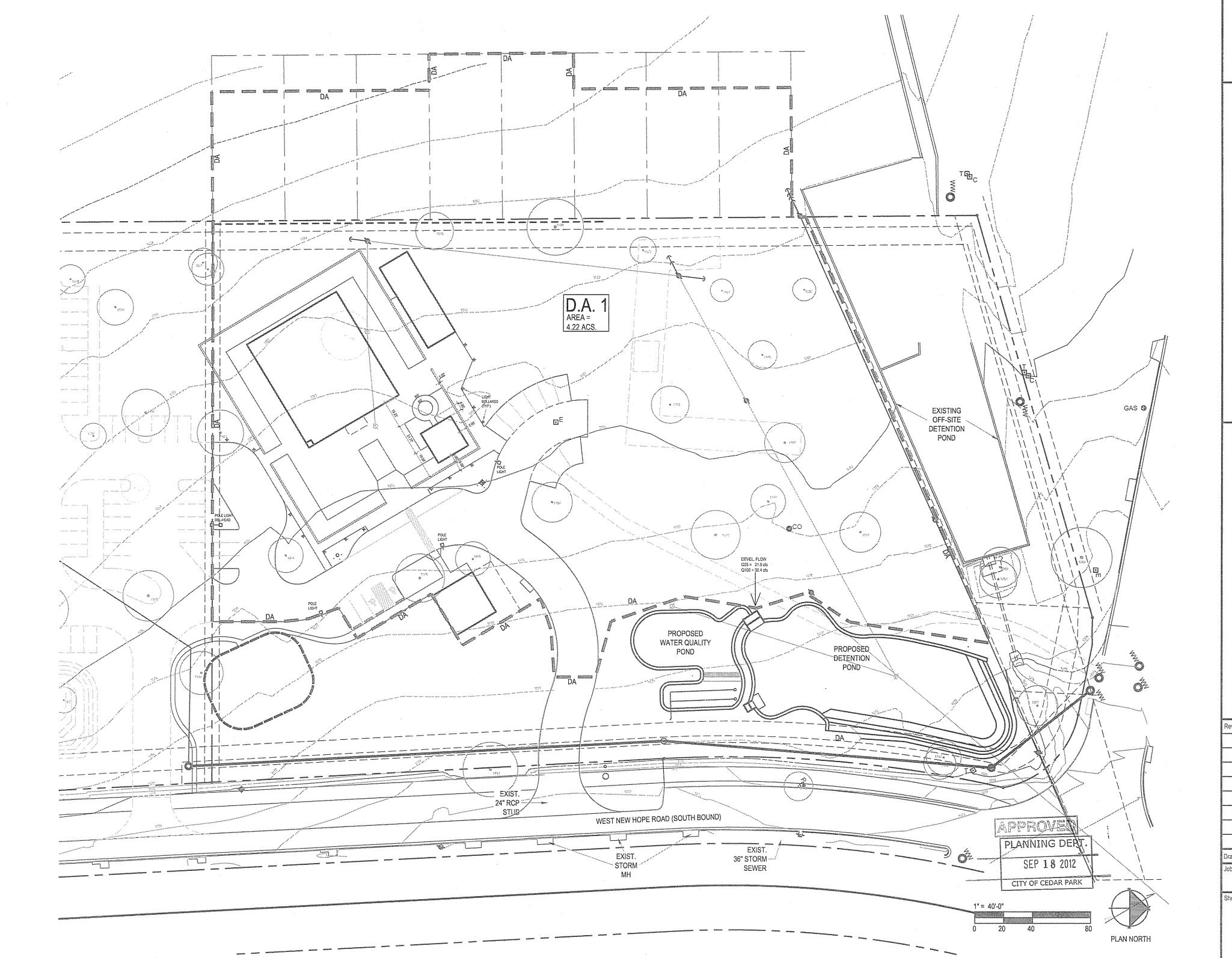


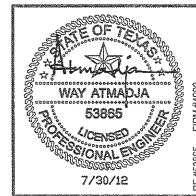
TCEQ TSS REMOVAL SUMMARY: BMP selected: Partial Sedimentation/Filtration system Total project area = 4.22 acres = 2.04 acres Total post-development I.C. Total post-development I.C. fraction = 48% Average annual precipitation = 32 inches Lm (Required TSS removal result) = 1776 lbs. Sand Filter removal efficiency = 89% Rainfall depth = 1.44 inches Required Water Quality Volume = 9226 cu.ft. Min. Filter basin area required = 769 sfFilter basin area provided = 952 sfMin. Sedimentation basin required = 192 sf Max. Sedimentation basin allowed = 3075 sf Sedimentation basin area provided = 2453 sf Splitter Box Opening to WQP: Q25 = 21.9 cfs
Req'd Depth = 24" Provided Depth = 24" Filtration volume provided (3.5' deep) = 3332 cu.ft. Sed. volume provided (3.5' deep max.) = 7359 cu.ft. Req'd Width = 2.6' Provided Width = 5.0' Total WQP volume provided =10691 cu.ft.

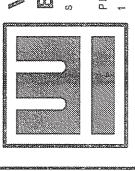
Splitter Box Opening to Det. Pond: Q100 = 30.4 cfs

Req'd Depth = 12" Provided Depth = 12" Reg'd Width = 10.1' Provided Width = 11.0'

POND DISCHARGE SUMMARY (SCS 24-Hour Method) Req'd. Elev. Exist. Devel. Release EXISTING CONDITIONS: (ft.) (cu.ft.) (cfs) (cfs) Drainage Area = 4.22 Acres Impervious Cover = 0.00 % 21.9 15.4 1075.30 17,424 Curve Number (CN) = 79 (Fair Grassland)) 11.4 1074.90 13,068 17.0 Initial Abstraction = 0.532 in. (Based on CN = 79) Lag time = 23.4 Min. PROPOSED CONDITIONS: PROPOSED DETENTION POND: Drainage Area = 4.22 Acres Storage Provided Impervious Cover = 48 % (2.04 Acs / 4.22 Acs.) (cu.ft.) (cu.ft.) Curve Number (CN) = 98 Initial Abstraction = 0.325 in. (Based on CN = 86 15128 22,822 Lag time = 14.8 Min. 6340 7,694 2708 1354 1,354 The water quality and detention ponds have been designed ORIFICE 1: (3) 6"Ø F.L. = 1072:0 | to accommodate this and future development for a total ORIFICE 2: (5) 8"Ø F.L. = 1072.25 /072,4 impervious cover of up to 2.04 acres. WEIR: 4.5 feet wide F.L. = 107,5.0



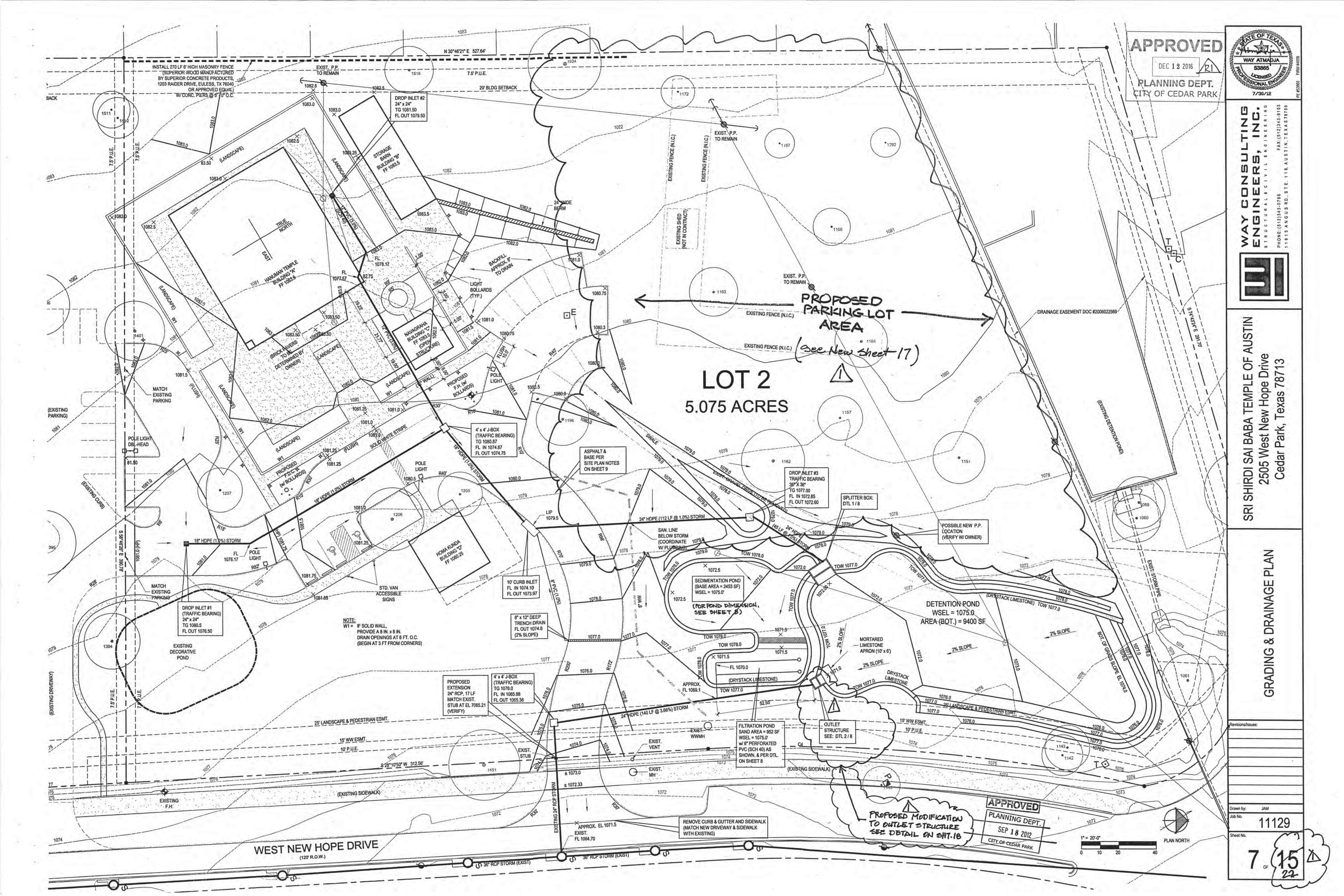


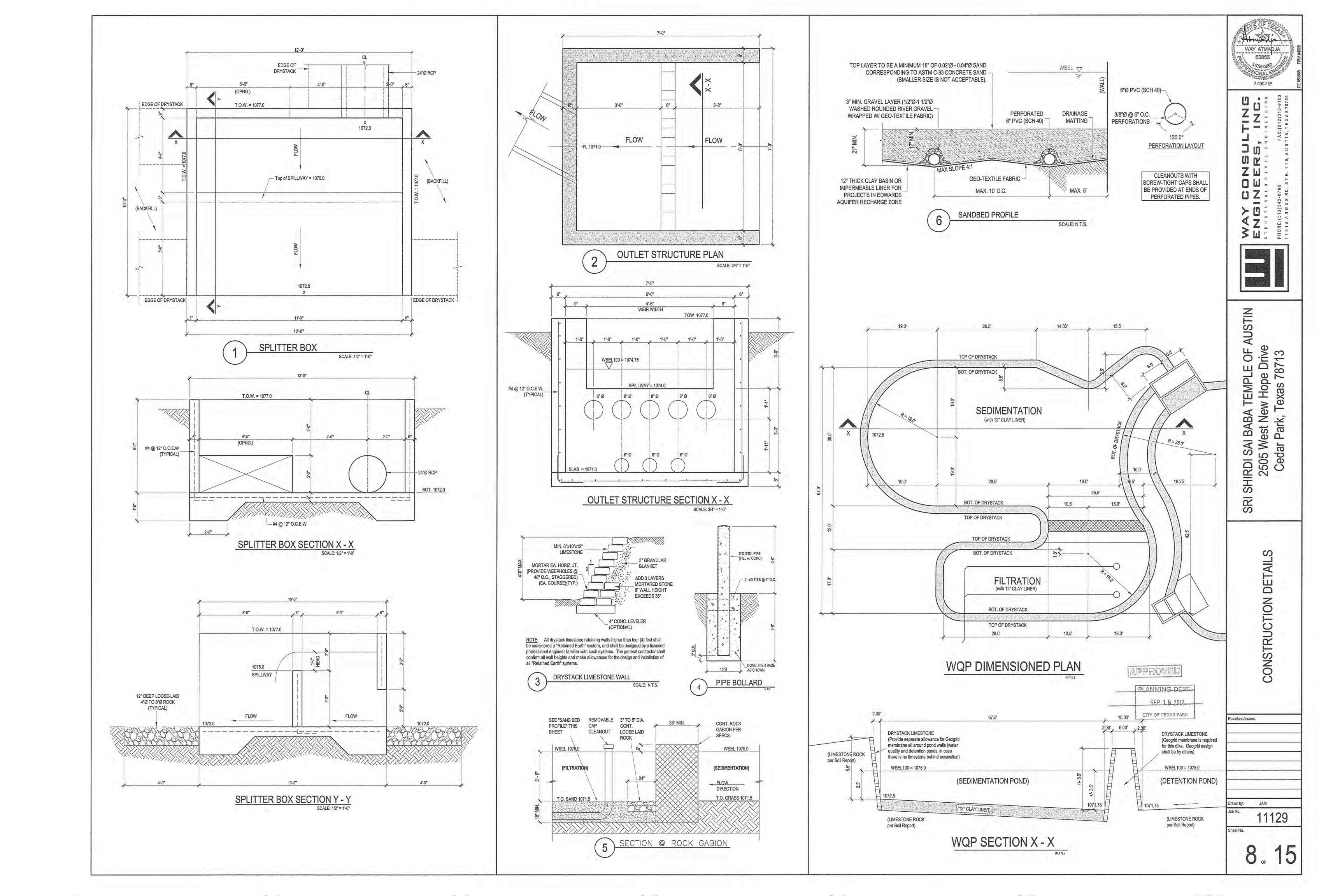


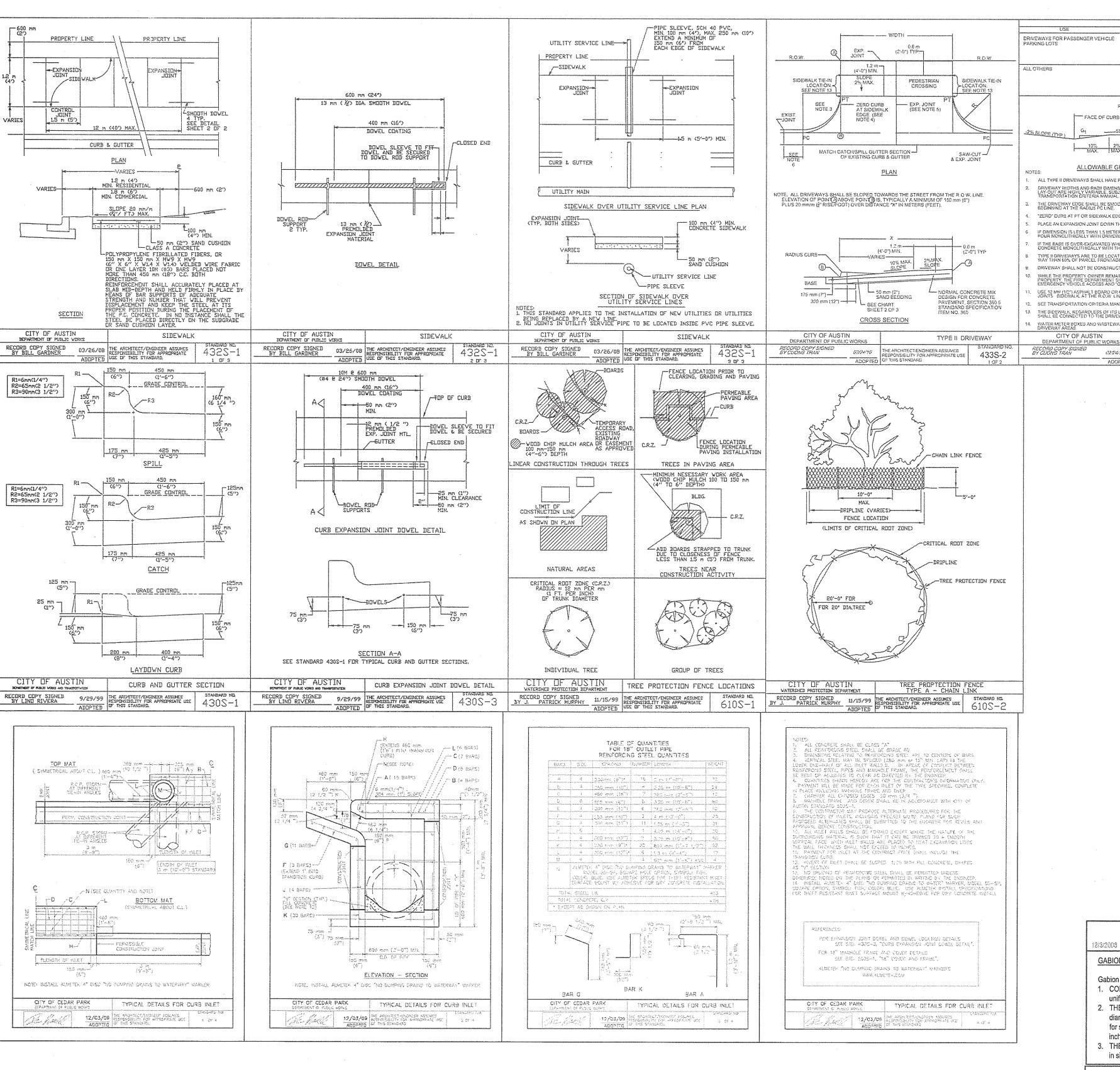
2505 West New Hope Drive Cedar Park, Texas 78713

DRAINAGE AREA WAP

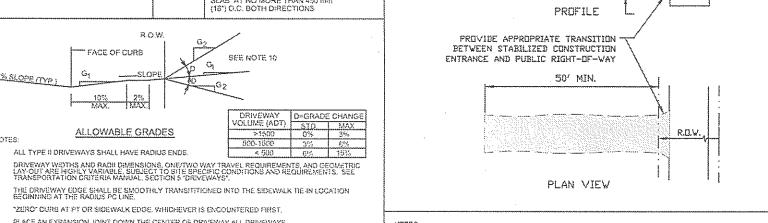
rawn by: JAM 11129











THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITITIONED INTO THE SIDEWALK TIE IN LOCATION BEGINNING AT THE SADILIS OF LINE "ZERO" CURB AT PY OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRS PLACE AN EXPANSION JOINT DOWN THE CENTER OF DRIVEWAY ALL DRIVEWAYS. IF DIMENSION IS LESS THAN 1.5 METERS (5 FEET), REMOVE GURS AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY

433S-2

DRAINAGE MATTING SPECS. (C.O.A.)

Test Method Unit

ASTM D-2434

ASTM D-1682

COE CW-02215

ASTM D-1117

**US Standard Sieve** 

Drexel University

Test Method

Property Test Method

Puncture Strength | ASTM D-751 (Mod.)

ASTM D-751

ASTM-D1682

US Standard Sieve

Gabion shall be per 1.4.3 E of the Environmental Criteria Manual of the City of Austin.

1. CONTAINER shall be made of heavily galvanized and plastic- coated steel wire woven in a

2. THE WIRE MESH shall consist of plastic-coated (polyvinyl chloride) galvanized wire with a

diameter of 0.0842 inch for revet mattress and 0.155 inch for all other applications. The wire

for salvages and corners shall be plastic-coated galvanized wire with a diameter of 0.1305

inch. Tie and connecting wire shall be plastic-coated wire with a diameter of 0.084 inch. 3. THE STONE fill material shall consist of hard, durable, clean stone, five (5) to eight (8) inches

uniform hexagonal pattern, with an opening of approximately 3" x 4" filled with stone.

GABION SPECIFICATIONS (C.O.A.)

GEOTEXTILE FABRIC SPECS. (C.O.A.)

Oz/Sq. Yd.

GPM / Sa. Ft.

Cm/Sec

Lb.

Psi

GPM/ft. width

Oz/Sq. Yd,

In./Sec

Lb.

PSI

Lb.

IF THE BASE IS OVER-EXCAVATED WHERE THE GURB AND GUTTER WERE REMOVED, BACKFILL WITH CONCRETE MONGLITHICALLY WITH THE DRIVEWAY. TYPE II DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHT OF WAY THAN 60% OF PARCEL PRONTAGE AT 30 METERS (100 FEET), WHICHEVER IS LESS.

DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION. USE 12 MM (1/2") ASPHALT BOARD OR OTHER APPROVED MATERIAL FOR CURB AND GUTTER EXPANSIO JOINTS SIDEWALK, AT THE R.O.W. LINE AND AT MIDWIDTH, SEE NOTE 5 SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 FOR OTHER DRIVEWAY REQUIREMENTS. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURE OR PROPERTY LINE, SHALL SE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS. CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS

12/3/2008

Property

Material

Unit Weight

Flow Rate (fabric)

Permeability

Grab Strength

(fabric)

Puncture Strength

Flow Rate

(drainage core)

Material

Unit Weight

Filtration Rate

Mullen Burst

Strength

Tensile Strength

Equiv. Opng. Size

GABION SPECIFICATION:

Mullen Burst Strength

02/24/10

GRADE TO PREVENT RUNOFF FROM LEAVING SITE EXISTING GRADE-

1. STONE SIZE: 75-125 mm (3-5") OPEN GRADED ROCK 2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 15 % (50'). THICKNESS: NOT LESS THAN 200 nm (8"), VIDTH NOT LESS THAN FULL VIDTH OF ALL POINTS OF INCRESS/EGRESS. WASHING WHEN MECESSARY, VEHICLE WHELES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE BUME ON AN AREA STABILIZED WITH CRUSHED STEME AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING DR FLOWING OF SEDIMENT BITO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN BUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED UNTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.

DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

STABILIZED CONSTRUCTION ENTRANCE

Specification

Nonwoven geotextile

fabric

20

180 (min)

12.4x10^-2

Dry Lg. 90 Dry Wd: 70

Wet Lg. 95 Wet Wd: 70

42 (min)

140 (min)

100 (70 - 120)

Specification

Nonwoven geotextile

8 (min.)

0.08 (min)

125 (min.)

400 (min)

200 (min)

80 (min)

─ 4" KNOCKOUT SECTION A-A VARIABLE HEIGHT EXTENSIONS AVAILABLE A B C D E F 18x18x24 27 ½" 27" 18" 16" 24" 14 }" 12" R.C.P. 18x18x45 27 ½" 48" 18" 18" 36" 14 ¾ 30x30x45 40 1" 48" 32" 30" 45" 26" MAX. 24" R.C.P HILL COUNTRY CONCRETE PRODUCTS, INC.

CATCH BASIN

American Made

Frames and Grates

H-20 LOAD RATING

4500 psi CONCRETE

SITE PLAN NOTES

**ZG** 

W Hope Dr exas 787

SHIRDI SAI 2505 Wk

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4

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WAY ATMADJA

53865

7/30/12

Contractor shall call "One Call Center" and shall verify all existing surface or subsurface utilities prior to any excavation. The Design Engineer assumes no responsibility for the existence, or location of any surface or subsurface improvements.

General Contractor is responsible to obtain all applicable permits necessary for this construction. Also check with EPA, TCEQ, and Local Governmental Agencies if a Notice of Intent (NOI) and/or a Stormwater Pollution Prevention Plan (SWP3) are required. (Eg. www.epa.gov.npdes/stormwater).

3. General Contractor shall provide DUST CONTROL measures during site construction, such as irrigation trucks and mulching per the City of Austin's Environmental Criteria Manual 1.4.5 D.

4. Contractor is responsible for confirming and verifying all City of Austin Standards & Specifications with the appropriate City Department and/or the official City-published standards manuals.

5. Storm sewer RCP shall be Class 3 (ASTM-C76), with Class "B" bedding.

6. Strip and remove from construction area any top soil, organic, and vegetation to a minimum depth of 6 inches below the existing natural ground surface. All FILL of unknown consistency should be removed

7. SITE FILL MATERIAL shall be per specification in the Soil Report, and shall be crushed limestone that does not contain any rocks greater than 6 inches, and shall have a maximum liquid limit of 45. Fill material shall be tested and qualified by a geotechnical engineer first. The material shall NOT be Sandy Loam, and shall be reasonably free of roots, trash, concrete rubble, and other organic material.

8. Site fill shall be placed in 8" lifts, and shall be compacted to 95% of maximum density per ASTM D-698.

density with all rolling completed before the HMAC temperature drops below 175 deg. F. 11. Where not specifically shown, terrain shall be graded to drain. If the flow of water will cross a sidewalk, or

12. For modular block walls and drystack limestone walls taller than four feet, use "Geogrid" retained earth wall

engineer. A copy of the signed and sealed plans shall be provided to the owner for his files.

Contractor shall examine the conditions shown and confirms (by submitting his bid to the Owner) that he to the contractor's thorough examination of the site, topography, comparison with the drawings, and

curb are required. If a standard 6" curb and gutter are not provided, comply with ECM 2.4.7 "Protection of

16. Soil Report By: Professional Service Industries, Inc., No: 0303427, Dated: May 30, 2012, is part of this document. All recommendations made in the soil report shall be followed.

GRADING NOTES (FOR ACCESSIBILITY):

payment will be made.

2. Accessible routes without handrails (not a "ramp") must have a running-slope no greater than 1:20 (5.0%)

all directions. (TAS 4.6.3) 5. Every accessible parking space must be identified by a sign, centered at the head of the parking space. The

sign must include the international symbol of accessibility and state "RESERVED" or equivalent language.

Characters and symbols on such signs must be located 60" minimum above the ground so that they cannot

6. Unless otherwise noted on the plans, elevation differences between the accessible routes and the final grades shall be transitioned or supported by either a sloped embankment no steeper than 3h:1v, stone rip-rap, or concrete retaining wall. These items shall be part of the Contractor's "Work" and no additional

9. Base material shall be per Soil Report, and shall be Type A, Grade 2 or better, according to the TxDOT Specification Item 247, and shall be compacted to 100% of TxDOT TEX-113-E. After testing and curing, the surface should be primed using a MC-30 prime coat.

10. Flexible Pavement - 3" Asphalt 8" Base - Hot Mixed Asphalt Concrete (if applicable) shall meet TxDOT's requirements Item 340, Type D mixture. The HMAC should be compacted to 91% to 96% of the maximum

will be impeded by a stairwell slab, a 6" PVC (SCH. 40) pipe shall be placed so as to allow the water to pass through the obstacle.

system. The contractor shall provide a design for the modular block wall signed and sealed by a licensed

13. Site information, such as existing improvements, elevations, trees, meets and bounds, bearings and distances, property lines, easements, right-of-way, restrictions, reservations, or any other instruments of record shown on these plans shall not be relied upon as accurate. This information was transferred or copied from other sources, such as surveyor's drawings, recorded plats, and other published information. Contractor shall verify all information with the original sources and with the "as-built" conditions.

14. This is a minimum set of construction documents and is intended to show minimum typical conditions. has incorporated all the items needed to complete the work per code and standard construction practices. If all or part of what is required is not understood by the contractor, then the contractor shall submit (with his bid) coordination drawings showing the contractor's solutions for those areas. This includes but is not limited comparison between drawings. All work not indicated by the coordination drawings shall be a part of the "Work" and no additional payment will be made.

15. Adequate barriers between all vehicular use areas and adjacent landscape areas, such as a 6" concrete

1. Accessible routes must have a cross-slope no greater than 1:48 (2.0%) (TAS 4.3.7)

3. Accessible routes with handrails ("ramp") must have a running-slope no greater than 1:12 (8.33%). The max. rise for any ramp is 30 inches. (TAS 4.8.2)

4. Accessible parking spaces and access aisles shall be level with surface slopes not exceeding 1:50 (2.0%) in

be obscured by a vehicle parked in the space. For van accessible space, add sign "Van-Accessible" mounted below the symbol of accessibility.

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and replaced with Site Fill Material.

**IMPERMEABLE LINER** (For sites located over the Edward's Aquifer Zone)

If the site is located over the Edward's Aquifer Recharge Zone, an impermeable liner will be required below the Water Quality Pond. The impermeable liner shall be either clay or geomembrane per the following specitifations:

CLAY LINERS:

18/2010

Clay liners shall meet the following specifications:

Minimum thickness = 12 inches <u>Unit</u> Specification Property Test Method ASTM D - 2434 Cm / Sec 1 x 10<sup>-6</sup> Permeability Placiticity Index ASTM D - 423 of Clay & ASTM D - 424 % Not less than 15 Liquid Limit of Clay ASTM D - 2216 Not less than 15 Clay Particles Not less than 30 Passing #200 sieve #200 sieve Clay Compaction ASTM D - 2216 % 95% of Standard Proctor Density **GEOMEMBRANE**:

If a geomembrane liner is used, it shall have a minimum thickness of 30 mils and be ultraviolet resistant. The geotextile fabric (for protection of the geomembrane) shall meet the provided specifications.

#### Texas Commission on Environmental Quality Contributing Zone Plan **General Construction Notes**

- Written construction notification should be provided to the appropriate TCEQ regional office no later than 48 hours prior to commencement of the regulated activity. Information should include the date on which the regulated activity will commence, the name of the approved plan for the regulated activity, and the name of the prime contractor with the name and telephone number of
- All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-site.
- No temporary aboveground hydrocarbon and hazardous substance storage tank system may be installed within 150 feet if a domestic, industrial, irrigation, or public water supply well.
- Prior to commencing construction, all temporary erosion and sedimentation (E&S) control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. Controls specified in the SWPPP section of the approved Edwards Aquifer Contributing Zone Plan are required during construction. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. The controls must remain in place until disturbed areas are revegetated and the areas have become permanently stabilized.
- 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).
- Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake must be provided that can indicate when the sediment occupies 50% of the basin volume.
- 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
- All spoils (excavated material) generated from the project site and stored on-site must have proper E&S controls installed.
- Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and construction activities will not resume within 21 days. When the initiation of stabilization measures by the 14th day is precluded by weather conditions, stabilization measures shall be initiated as soon as practicable.
- The following records should be maintained and made available to the TCEQ upon request: 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
- 11. The holder of any approved Contributing Zone plan must notify the appropriate regional office in TCEQ-0592A (Rev. 3/15/07)

## writing and obtain approval from the executive director prior to initiating any of the following:

- A. any physical or operational modification of any best management practices or structure(s). including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
- any change in the nature or character of the regulated activity from that which was
- C. any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer and hydrologically connected surface water; or
- D. any development of land previously identified in a contributing zone plan as undeveloped.

Austin Regional Office	San Antonio Regional Office
2800 S. IH 35, Suite 100	14250 Judson Road
Austin, Texas 78704-5712	San Antonio, Texas 78233-4480
Phone (512) 339-2929	Phone (210) 490-3096
Fax (512) 339-3795	Fax (210) 545-4329

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

TCEQ-0592A (Rev. 3/15/07) Page 2 of 2

## SITE PLAN NOTES (C.O.C.P. Standard)

#### ORDINANCE REQUIREMENTS

- 1. All construction shall be in accordance with the latest City of Austin Standard Specifications. City of Austin standards shall be used unless otherwise noted.
- Design procedures shall be in general compliance with the City of Austin Drainage Criteria Manual.
- 3. The contractor shall give the City a minimum of 48 hours notice before beginning each phase of
- Benchmarks should be tied to the City of Cedar Park benchmarks and be correctly "geo-referenced" to state plane coordinates. A list of the City's benchmarks can be found at www.cedarparktx.us. click on city services; navigate to E services, GIS Mapping and GIS Maps and Monuments, List Benchmarks used for this project and give location and elevation.
- Prior to issuance of a certificate of occupancy for a site development permit, the right of way between the property line and edge of pavement/back of curb shall be revegetated according to COA specification 602s and 606s. Prior to City acceptance of subdivision improvements all graded and distrubed areas are to be revegetated in accordance with the City of Austin Specificatio Item #604.
- 6. The Contractor shall provide the City of Cedar Park copies of all test results prior to acceptance of subdivision improvements.
- City, owner, engineer, contractor, representatives of all utility companies, and a representative from the testing lab shall attend pre-construction conference prior to start of construction. The contractor shall schedule the meeting with the City of Cedar Park Engineering Department a minimum of 48 hours prior to this pre-construction meeting (512-401-5000). Final construction plans shall be delivered to Engineering a minimum of seven business days prior to requestion a pre-construction meeting.
- Excess soil shall be removed at the contractor's expense. Notify the City of Cedar Park if the disposal site is inside the City's jurisdiction boundaries. No burning is allowed.
- 10. Any changes or revisions to these plans must first be submitted to the City by design engineer for review and written approval prior to construction of the revision.
- Minimum setback requirements for existing and newly planted trees from the edge of pavement to conform to the requirements as shown in Table 6-1 of the City of Austin's Transportation Criteria Manual.
- 12. The Contractor will reimburse the City for all cost incurred as a result of any damage to any City utility or any infrastructure within the Right-ofWay by the Contractor, regardless of these plans.
- 13. An engineer's concurrence letter and 22"x34" record drawings (one Mylar copy and a digital copy on a CD ROM) shall be submitted to the Public Works Department prior to the issuance of certificate of occupancy or subdivision acceptance. The Engineer and Contractor shall verify that all final revisions and changes have been made to both the Mylar and digital copy prior to City submittal. Record construction drawings. including roadway and utilities, shall be provided to the City in digital format as AutoCAD ".dwg" files, MicroStation ".dgn" files or ESRI ".shp" files on CD ROM. Line weights, line types and text size shall be such that if half-size prints (11"x17") were produced, the plans would still be legible. All required digital files shall contain a minimum of two (2) control points referenced to the State Plane Grid Coordinate System -Texas Central Zone (4203), in US feet and shall include rotation information and scale factor required to reduce surface coordinates to grid corrdinates in US feet.
- 14. The City of Cedar Park has not reviewed these plans for compliance with the Americans With Diabilities Act It is the responsibility of the owner to provide compliance with all legislation related to accessibility within the limits of construction shown on these plans.
- ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THSES PLANS, THE CITY OF CEDAR PARK MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER. 16. No blasting is allowed on this project.
- 17. A traffic control plan in accordance with the Texas Manual on Uniform Traffic Control Devices, shall be submitted to the City for review and approval prior to any partial or complete roadway closures. Traffic control plans shall be site specific and seal by a registered professional engineer.
- 18. The contractor shall keep the site clean and maintained at all times, to the satisfaction of the City. The subdivision will not be accepted (or Certificate of Occupancy issued) until the site has been cleaned to the
- 19. Signs are not permitted in Public Utility Easements, Set Backs or Drainage Easements. 20. It shall be the responsibility of the Contractor to inspect temporary erosion controls on a daily basis. Adjust
- the controls and/or remove any sediment buildup as necessary. 21. A final certificate of occupancy will not be issued on commercial sites until all disturbed areas have been re-vegetated. Substantial grass cover, as determined by Public Works Department, must be achieved prior to the issuance of a final certificate of occupancy. All erosion controls must remain in place and maintained until all disturbed areas have been re-vegetated to the acceptance of the City of Cedar Park Public Works Department. Prior to issuance of a cerificate of occupancy for a site development permit, the right of way between the property line and edge of pavement/back of curb shall be revegetated according to COA
- specifications 602S and 606S. 22. Contractor will be responsible for keeping roads and drives adjacent to and near the site free from soil, sediment and debris. Contractor will not remove soil, sediment or debris from any area or vehicle by means of water, only shoveling and sweeping will be allowed. Contractor will be responsible for dust control from
- 23. All wet utilities shall be installed and all densities must have passed inspection(s) prior to the installation of
- dry utilities. . A minimum of seven days of cure time is required for HMAC prior to the introduction of vehicular traffic to
- 25. Prior to plan approval, the Engineer shall submit to the City of Cedar Park (COCP) documentation of subdivision/site reistration with the Texas Department of Licensing and Regulation (TDLR) and provide documentation of review and compliance of the subdivision/site construction plans with Texas Architectural Barriers Act (TABA).
- 26. Prior to subdivision/site acceptance, the engineer/developer-owner shall submit to the COCP documentation that the subdivision/site was inspected by TDLR or a registered accessibility specialist (RAS) and the subdivision/site is in compliance with the requirements of the TABA.
- 27. All construction and construction related activities shall be performed Monday thru Friday from 7:00 A.M. to 6:00 P.M. However, construction activities within one hundred feet (100') of a dwelling or a dwelling unit that is both occupied as a residence and also located within one hundred feet (100') of the Toll Road 183A right-of-way shall be performed between the hours of 8:00 A.M. and 6:00 P.M. Approval for construction activities performed on Saturday shall be obtained in writing 48 hours in advance. There shall be no construction or construction activities performed on Sunday. The City reserves the right to require the contractor to uncover all work performed without City inspection.
- All poles to be approved by City and PEC, no conduit shall be installed down lot lines/between homes. All conduit shall be loacted in the public ROW or in an easement adjacent to and parallel to the public ROW.
- 29. Dry utilities shall be installed after subgrade is cut and before first course base. No trenching of compacted base. If necessary dry utilities installed after first course base shall be bored across the full width of the
- 30. No ponding of water shall be allowed to collect on or near the intersection of private driveway(s) and a public street. Reconstruction of the driveway approach shall be at the Contractor's expense.
- 31. All driveway approaches shall have a uniform two percent slope within the ROW unless approved in writing by the Engineering Department.

## STREET NOTES:

- 1. No trenching of compact base will be allowed. A penalty and/or fine may be imposed to the general contractor if trenching of compacted base occurs without City approval, regardless of who performed the
- 2. All sidewalks shall comply with the Americans With Disabilities Act. The City of Cedar Park has NOT reviewed these plans for compliance with the Americans With Disabilities Act, or any other accessibility legislation, does not warranty or approve these plans for any accessibility standards.
- Street barricades shall be installed on all dead end streets and as necessary during construction to maintain Any damage caused to existing pavement, curbs, sidewalks, ramps, etc., shall be repaired by the contractor
- to the satisfaction of the City prior to acceptance of the subdivision. At intersections, which have a valley drainage, the crown to the intersecting street will be culminated at a distance of 40 ft from the intersecting curb line unless otherwise noted.
- The subgrade material was tested by Density testing of compacted subgrade material, first course and second course compacted base, shall be
- made at 500 foot intervals. 8. All density testing is the responsibility of the owner or contractor and shall be witnesses by the City of Cedar Park representative. The contractor is to notify the City 48 hours prior to scheduled density testing.
- 9. Traffic control signs and pavement markings shall be in accordance with the Texas Manual on Uniform Traffic Control Devices and installed as directed by the City of Cedar Park prior to City acceptance of the
- 10. Slope natural ground adjacent to the right-of-way shall not exceed 3:1. If 3:1 slope is not possible, a retaining wall or some other form of slope protection approved by the City shall be placed in a location
- 11. The City, engineer, contractor, and a representative from the asphalt testing lab shall attend a pre-paving conference prior to the start of HMAC paving. The contractor shall give the City a minimum of 48 hours notice prior to this meeting. (512-401-5000).
- 12. The Contractor or owner is responsible for conducting tests on asphalt pavement in accordance with the requirements set forth in the City of Austin Standard Specification No. 340. Any re-testing of the asphalt pavement shall be conducted under the supervision of the engineer and the City of Cedar Park. Re-testing of the asphalt pavement shall be limited to one re-test per project.
- 13. All pavement markings and signage shall comply with MUTCD standards. Street name letter sizing shall be in accordance with MUTCD Table 2D-2. Pavement markings shall be thermoplastic unless otherwise noted.
- 14. All signs shall be high intensity retro grade.

## APPENDIX P-1:

#### **EROSION CONTROL NOTES**

. The contractor shall install erosion/sedimentation controls and tree/natural area protective fencing prior to any site preparation work (clearing, grubbing or excavation)

- 2. The placement of erosion/sedimentation controls shall be in accordance with the Environmental Criteria Manual and the approved Erosion and Sedimentation Control Plan.
- 5. The Placement of tree/natural area protective fencing shall be in accordance with the City of Austin standard Notes for Tree and Natural Area Protection and the approved Grading/Tree and Natural
- A pre-construction conference shall be held on-site with the contractor, design Engineer/permit applicant and Environmental Inspector after installation of the erosion/sedimentation controls and tree/natural area protection measures and prior to beginning any site preparation work. The contractor shall notify the Planning and Development Review Department, 974-2278,
- at least three days prior to the meeting date. . Any major variation in materials or locations of controls or fences from those shown on the approved plans will require a revision and must be approved by the reviewing Engineer, Environmental Specialist or City Aborist as appropriate. Major revisions must be approved by the Planning and Development Department and the Planning Department. Minor changes to be made as field revisions to the Erosion and Sedimentation Control Plan may be required by the
- Environmental Inspector during the course of construction to correct control inadequacies 5. The contractor is required to inspect the controls and fences at weekly intervals and after significant rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt
- accumulation at controls must be removed when the depth reaches six (6) inches. Prior to final acceptance by the City, haul roads and waterway crossings constructed for temporary contractor access must be removed, accumulated sediment removed from the waterway and the area restored to the original grade and revegetated. All land clearing debris shall be disposed of in
- B. All work must stop if a void in the rock substrate is discovered which is; one square foot in total area: blows air from within the substrate and/or consistently receives water during any rain event. At this time it is the responsibility of the Project Manager to immediately contact a City of Austin Environmental Inspector for further investigation.
- 3. PERMANENT EROSION CONTROL: All disturbed areas shall be restored as noted below.
- All disturbed areas to be revegetated are required to place a minimum of six (6) inches of topsoil [see Standard Specification Item No. 601S.3(A)]. Do not add topsoil within the critical root zone of existing trees. The topsoil shall be composed of 3 parts of soil mixed with 1 part compost, by volume. The compost shall be Dillo Dirt or an equal approved by the Engineer, or designated representative. The approved equal, if used, shall meet the definition of compost (as defined by TxDOT Specification Item 161). The soil shall be locally available native soil that meets the following specifications:

\*Shall be free of trash, weeds, deleterious materials, rocks and debris.

\*100% shall pass through a 0.375-inch (3/8") screen.

\*Soil Texture class to be Loam, Sandy Clay Loam, or Sandy Loam in accordance with the USDA texture triangle. Soil known locally as "red death" or Austin Sandy Loam is not an allowable soil. Texture composition shall meet the following criteria:

Texture Class	Minimum	Maximum
Clay	5%	25%
Silt	10%	50%
Sand	30%	80%

approved spoil disposal sites

Topsoil salvaged from the existing site may often be used, but it should meet the same standards as

The vegetative stabilization of areas disturbed by the construction shall be as follows:

#### TEMPORARY VEGETATIVE STABILIZATION:

- 1. From September 15 to March 1, seeding shall be with cool season cover crops (Wheat 0.5 pounds per 1000 SF, Oats at 0.5 pounds per 1000 SF, Cereal Rye Grain at 0.5 pounds per 1000 SF) with a total rate of 1.5 pounds per 1000 SF. Cool season cover crops are not permanent erosion control. 2. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 1 pounds per
- A. Fertilizer shall be water soluble with an analysis of 15-15-15 to be applied once at planting and once during the period of establishment at a rate of 1/2 pound per 1000 SF.
- B. Hydromulch shall comply with Table 1, below. C. Temporary erosion control shall be acceptable when the grass has grown at least 1 1/2 inches
- high with 95% coverage, provided noe bare spots larger than 16 square feet exist. D. When required, native grass seeding shall comply with requirements of the City of Austin Environmental Criteria Manual.

## Table 1: Hydromulching for Temporary Vegetative Stabilization

Material	Description	Longevity	Typical Application	Application Rates
100% or any blend of wood, cellulose, straw, and/or cotton plant material (except no mulch shall exceed 30% paper)	70% or greater Wood/Straw 30% or less Paper or Natural Fibers	0-3 months	Moderate slopes; from flat to 3:1	1500 to 1200 lbs per acre

## PERMANENT VEGETATIVE STABILIZATION:

- 1. From September 15 to March 1, seeding is considered to be temporary stabilization only. If cool season cover crops exist where permanent vegetative stabilization is desired, the grasses shalle be mowed to a height less than one half (1/2) inch and the area shall be reseeded in accordance
- 2. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 1 pound per 1000 SF with a purity of 95% with 85% germination. Bermuda grass is a warm season grass and is considered permanent erosion control.
- A. Fertilizer shall be a water soluble fertilizer with an analysis of 15-15-15 to be applied once at planting and once during the period of establishment at a rate of 1/2 pound per 1000 SF. B. Hydromulch shall comply with Table 2, below
- C. The planted area shall be irrigated or sprinkled in a manner that will not erode the topsoil, but will sufficiently soak the soil to a depth of six inches. The irrigation shall occur at daily intervals (minimum) during the first two months. Rainfall occurrences of 1/2 inch or more shall postpone the watering schedule for one week.
- D. Permanent erosion control shall be acceptable when the grass has grown at least 1 1/2 inches high with 95% coverage, provided no bare spots larger than 16 square feet exist. E. When required, native grass seeding shall comply with requirements of the City of Austin
- Environmental Criteria Manual.

## Table 2: Hydromulching for Permanent Vegetative Stabilization

Material	Description	Longevity	Typical Application	Application Rates
Bonded Fiber Matrix (BFM)	80% Organic defibrated fibers 10% Tackifier	6 months	On slopes up to 2:1 and erosive soil conditions	2500 to 4000 lbs per acre (see manufacturers recommendations)
Fiber Reinforced Matrix (FRM)	65% Organic defibrated fibers 25% Reinforcing Fibers or less 10% Tackifier	Up to 12 months	On slopes up to 1:1 and erosive soil conditions	3000 to 4500 lbs per acre (see manufacturers recommendations)

- 10. Obtain a concurrence letter from the Engineer and contact WPDR, Environmental Inspector prior to removing E/S controls.
- 1. The contractor shall not dispose of surplus excavated material from the site without notifying the Planning and Development Review Department at 974-2278 at least 48 hours prior with the location and a copy of the permit issued to receive the material.

## TREE NOTES

#### APPENDIX P-2 TREE & NATURAL AREA PROTECTION NOTES

- All trees and natural areas shown on plan to be preserved shall be protected during construction with temporary fencing.
- Protective fences shall be erected according to City of Austin Standards for Tree Protection. Protective fences shall be installed prior to the start of any site preparation work (clearing, grubbing or grading), and shall be maintained
- throughout all phases of the construction project.
- Erosion and sedimentation control barriers shall be installed or maintained in a manner which does not result in soil build-up within tree Protective fences shall surround the trees or group of trees, and will be located at the outermost limit of branches (drip line), for natural
- areas, protective fences shall follow the Limit of Construction line, in order to prevent the following: A. Soil compaction in the root zone area resulting from vehicular traffic or storage of equipment or materials.
  - B. Root zone disturbances due to grade changes (greater than 6 inches cut or fill), or trenching not reviewed and authorized by the City Aborist.
  - C. Wounds to exposed roots, trunk or limbs by mechanical equipment. D. Other activities detrimental to trees such as chemical storage, cement truck cleaning, and fires.
- 6. Exceptions to installing fences at tree drip lines may be permitted in the following cases: A. Where there is to be an approved grade change, impermeable paving surface, tree well, or other such site development, erect
  - the fence approximately 2 to 4 feet beyond the area disturbed. B. Where permeable paving is to be installed within a tree's drip line, erect the fence at the outer limits of the permeable paving
  - area (prior to site grading so that this area is graded separately prior to paving installation to minimized root damage). C. Where trees are close to proposed buildings, erect the fence to allow 6 to 10 feet of work space between the fence and the
- D. Where there are severe space constraints due to tract size, or other special requirements, contact the City Arborist at 974-1876 to discuss alternatives. Special Note: For the protection of natural areas, no exceptions to installing fences at the Limit of Construction line will be permitted.
- Where any of the above exceptions result in a fence being closer than 4 feet to a tree trunk, protect the trunk with strapped-on planking to a height of 8 ft (or to the limits of lower branching) in addition to the reduced fencing provided.
- Trees approved for removal shall be removed in a manner which does not impact trees to be preserved. Any roots exposed by construction activity shall be pruned flush with the soil. Backfill root areas with good quality top soil as soon as
- possible. If exposed root areas are not backfilled within 2 days, cover them with organic material in a manner which reduces soil temperature and minimizes water loss due to evaporation. 0. Any trenching required for the installation of landscape irrigation shall be placed as far from existing tree trunks as possible.
- 1. No landscape topsoil dressing greater than 4 inches shall be permitted within the drip line of trees. No soil is permitted on the root flare of 2. Pruning to provide clearance for structures, vehicular traffic and equipment shall take place before damage occurs (ripping of branches,
- 13. All finished pruning shall be done according to recognized, approved standards of the industry (Reference the National Arborist Association Pruning Standards for Shade Trees available on request from the City Arborist). 4. Deviations from the above notes may be considered ordinance violations if there is substantial non-compliance or if a tree sustains

#### APPENDIX P-6 REMEDIAL TREE CARE NOTES AERATION AND SUPPLEMENTAL NUTRIENT REQUIREMENTS FOR TREES WITHIN CONSTRUCTION AREAS

As a condition of final acceptance of the site, and in conformance with ECM section 3.5.4, all preserved trees within the limits of construction shall be Aerated and provided with Supplemental Nutrients per the following guidelines:

- Treatment is to commence prior to the beginning of construction activities and again after the completion of all construction. Within 7 days after fertilization is performed, the contractor shall provide documentation of the work performed to the City Arborist,
- Watershed Protection and Development Review Dept. P.O. Box 1088, Austin, TX 78767. The owner or general contractor shall select a fertilization contractor and insure coordination with the City Arborist (Ph. 974-1876).
- Materials and methods are to be approved by the City Arborist (974-1876) prior to application. Areas to be treated include the entire critical root zone of trees depicted on the City approved plans.
- Trees are to be aerated by water injected in pressure via a soil probe at 50 -125 psi or by other method as approved by WPDR. The Proposed Nutrient Mix Specifications need to be provided to and approved by the City Arborist Prior to application (Fax # 974-3010). Macro and MicroNutrients are required, Humate/nutrient solutions with mycorrhizae components are highly recommended. These solutions
- are commonly utilized to provide remediation for trees affected by construction. Applicants may also specify soil injection of Doggett X-L Injecto 32-7-7 or equivalent at recommended rates.
- Construction which will be completed in less than 90 days should use materials at ½ recommended rates. 10. Alternative organic fertilizer materials are acceptable when approved by the City Arborist.

## TRENCHING AND BORING NOTE

- Refer to Sheet L0.02 for trenching and boring details within the Critical Root Zone.
- Apply 4" of mulch around the Critical Root Zoneof existing trees within the Limits of Construction. Fertilize trees within 20 feet of building limit per recommendations of an ISA Certified Arborist.

## DUST CONTROL NOTES

- . Description: Controlling dust movement on construction-sites and roads. Purpose: To prevent blowing and movement of dust from exposed soil surfaces.
- reduce on and off-site damage, and health hazards. . Conditions Where Practice Applies: This practice is applicable to areas subject to dust blowing and movement where on and off-site damage is likely without treatment.

Procedures:

damage as a result.

- a. Mulches See Section 1.4.4. Chemical mulch binders may be used instead of asphalt to bind mulch material. Binders such as Curasol or Terra Tack should be used according to manufacturer's recommendations
- b. Vegetative Cover See Section 1.4.4. c. Spray-on Adhesives - On mineral soils (not effective on muck soils). Keep traffic off these areas.
- d. Tillage to roughen surface and bring clods to the surface. This is an emergency measure which should be used before soil blowing starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches
- apart, spring-toothed harrows and similar are examples of equipment which may produce the desired effect. e. Irrigation - This is generally done as an emergency treatment. Site is
- sprinkled with water until the surface is moist. Repeat as needed. f. Barriers - Solid board fences, snow fences, burlap fences, crate walls, bales of hay and similar materials can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of

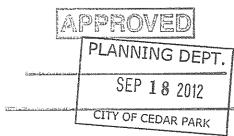
a. Permanent Vegetation - See Section 1.4.3 and Section 1.4.4. E. Trees or large shrubs may afford valuable protection left in place. b. Topsoiling - Covering with less erosive soil material. See 1.4.5. B.

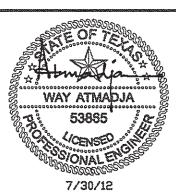
c. Stone - Cover surface with crushed stone or coarse gravel.

about 15 times their height are effective in controlling soil blowing.

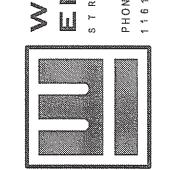
			TABLE 1-5
SPRAY-ON ADHESIVES	Water Dilution	Type of Nozzle	Gallons/Acre
Anionic asphalt emulsion	7:1	Fine Spray	1,200
Latex emulsion	12½ :1	Fine Spray	235
Resin-in-water emulsion	4:1	Fine Spray	300

SPILL RESPONSE ACTION: The use of temporary fuel storage is not allowed on the project site. Construction equipment shall be fueled by off-site based location on an as-needed basis. If there is any spill of fuel hydrocarbons, or hazardous substances, general contractor shall immediately contact: TNRCC and City government having environmental jurisdiction of the project site. All contaminated soil resulting from the spills shall be removed and disposed of properly.





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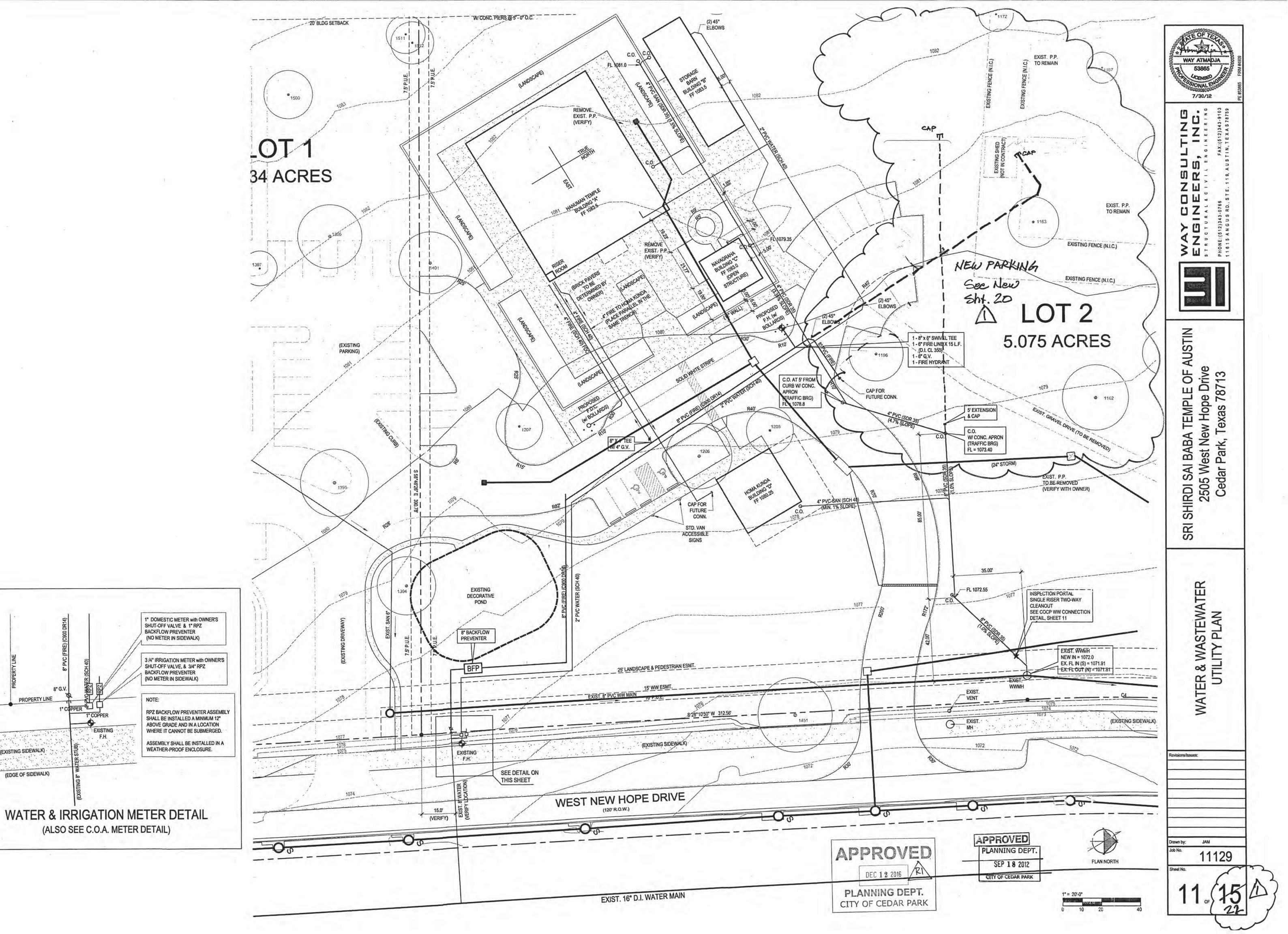
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9 CONSTRUCTION

Revisions/Issues:

JAM

11129



PROPERTY LINE

(EXISTING SIDEWALK)

(EDGE OF SIDEWALK)

(ALSO SEE C.O.A. METER DETAIL)

THIS DETAIL FOR USE ONLY ON CITY OF AUSTIN CLIP. PROJECTS

S. ALL DAMAGED AREAS OF PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH MINIMUM OF 200 mm (8") OF BASE OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.

S. SURFACE PAVEMENT SHALL BE OF THE KIND AND THICKNESS AS EXISTING, OR MINIMUM 50 mm (2"), WHICHEVER IS GREATER.

RECORD COPY SIGNED
BY KATHI L. FLOWERS

ADDPTED

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE
USE OF THIS STANDARD.

NEW PAVEHENT DEPTH (SEE NOTE 6)

150 mm (6")

-CENTER PIPE IN TRENCH

TYPICAL TRENCH WITH PAVED SURFACE

EXISTING SURFACE

NEW PAVING SURFACE --ITEM 340

NEW BASE

1. UTILITY CONTRACTOR LEAVE ONE 6" HORIZONTAL WYE AS SHOWN FOR DOUBLE SERVICE CONNECTION-OPENINGS PLUGGED. FOR DOUBLE SERVICE AND NEW INSTALLS OF METER BOX, WATER PIPE, FITTINGS AND VALVE TO INLET SIDE OF METER(S) IN ACCORDANCE WITH INFORMATION SHOWN ON APPLICABLE STANDARD DETAIL SHEET. INSTALLATION TO BE COMPLETED DURING SUBDIVISION CONSTRUCTION-INSPECTION BY WATER AND WASTEWATER CONSTRUCTION

2. CUSTOMER IS RESPONSIBLE FOR METER BOX AND PIPING SYSTEMS UNTIL METER IS INSTALLED AND WASTEWATER IS CONNECTED. ANY MISSING OR DAMAGED PARTS SHALL BE REINSTALLED BY CUSTOMER WHO SHALL GUARANTEE, FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE, THAT CONNECTIONS TO CITY SYSTEMS ARE FREE FROM DEFECTS IN WORKMANSHIP OR MATERIALS. CUSTOMER HAS THE RESPONSIBILITY TO ASSURE THAT ALL VALVES AND STOPS, METER BOX AND VERTICAL WYE REMAIN CLEAR OF SIDEWALKS AND OTHER OBSTRUCTIONS

3. CITY OF CEDAR PARK ACTIVITY IS LIMITED TO INSTALLATION OF THE WATER METER AND INSPECTION OF CONNECTIONS TO THE CITY'S WATER AND WASTEWATER SYSTEMS FOR MAINTENANCE PURPOSES. THE CITY'S RESPONSIBILITY ENDS AT THE METER BOX AND AT THE WASTEWATER CONNECTION TO THE HORIZONTAL WYE.

4. ALL WASTEWATER SERVICE LATERALS SHALL SLOPE 1 PERCENT (1/8 INCH PER FOOT) MINIMUM TO MAIN. 5. PIPING IN STREET RIGHT-OF-WAY AND IN EASEMENT AREAS SHALL BE BEDDED WITH MATERIALS REQUIRED BY CITY OF AUSTIN SPECIFICATIONS; AND TO HAVE A MINIMUM COVER BELOW FINAL GRADE OF 42 INCHES. THE ENGINEERING DEPARTMENT MUST SPECIFICALLY APPROVE ANY EXCEPTION.

6. CUSTOMER TO PROVIDE CLEANOUT WITHIN 5' P.U.E.

1. For  $\frac{3}{4}$ ", 1". OR  $\frac{1}{6}$ " services, use  $\frac{1}{6}$ " Ford corporation stop

2. For  $\frac{3}{4}$ " services, on top of the ball valve use a  $\frac{1}{4}$ " x  $\frac{5}{4}$ "

3. For 1" services, on top of the ball valve use a  $1\frac{1}{2}$ " x 1"

5. For 2" services, use 2" Ford corporation stop FB1000-7-G-NL,

6. All meter parts by Ford Meter Box Company or approved equivalent.

reducing bushing and coupling:

reducing bushing, and coupling:

4. For  $1\frac{1}{2}$ " services, use coupling:

7. All brass valves and fittings.

 $\frac{3}{4}$ " MIP x  $\frac{3}{4}$ " Grip joint C84-33-G

1" MIP x 1" Grip joint C84-44-G

 $1\frac{1}{2}$ " MIP x  $1\frac{1}{2}$ " Grip joint C84-66-G

2" poly, a 2" ball valve and coupling:

2" MIP x 2" Grip joint C84-77-G

8. Use stainless insert stiffeners in poly tubing.

9. "G" following the part number denotes Grip joint.

10. Contractor responsible for parts and installation

FB1000-6-G-NL,  $1\frac{1}{2}$ " poly,  $1\frac{1}{2}$ " ball valve with a C84-66-C

7. CONTRACTOR SHALL PROVIDE ALL MATERIALS & LABOR UNLESS DIRECTED OTHERWISE BY THE CITY UTILITY

8. FOR COMMERCIAL SITES, COORDINATE ALL W/WW TAPS WITH UTILITY INSPECTOR. 512-401-5550.

9. DO NOT USE DOUBLE WYE OR 4"X6"X4" WYE. SINGLE SERVICES SHALL NOT HAVE ANY WYE INSTALLED. 10. ALL WW FITTINGS UPSTREAM OF THE SERVICE LATERAL FROM THIS POINT TO BE SOLVENT WELD. DO NOT USE GASKET-TYPE OR PUSH ON FITTINGS FOR SERVICE LATERALS.

11. GENERAL CONTRACTOR/HOME OR COMMERCIAL BUILDER/PLUMBER SHALL INSTALL AND MAINTAIN A PLUG ON THE CITY SIDE OF THE SERVICE LATERAL AT ALL TIMES UNTIL FINISHED DEVELOPMENT IS APPROVED AND CONNECTED TO

12. FOR COMMERCIAL PROJECTS. THE 6" 2-WAY CLEAN OUT WILL BE CONSIDERED THE INSPECTION PORTAL AND CONTROL POINT FOR THE PROPERTY. HOWEVER, THE INDUSTRIAL PRE-TREATMENT PROGRAM HAS THE AUTHORITY TO REQUIRE ADDITIONAL CONTROL POINTS AND ADDITIONAL LOCATIONS AS REQUIRED BY ARTICLE 18.06.

13. RESIDENTIAL TO USE 4"(MIN) VERTICAL WYE FITTING FACING THE MAIN IN PLACE OF THE 6" 2-WAY CO REQUIRED BY THE IPT PROGRAM AND COMMERCIAL CODE.

## **GENERAL UTILITY NOTES** (CITY OF CEDAR PARK)

#### STORM SEWER NOTES:

1. Manhole frames and covers and water valve boxes shall be raised to finish pavement grade at the owner's expense by the contractor with City inspection. All utility adjustments shall be completed prior to final paving construction. Contractor to backfill around manholes and junction boxes with Class A concrete.

2. All manhole lids shall be 32" or larger, unless expressly approved in writing by the Engineering Department. 3. The location of any existing utility lines shown on these plans is the best available and may

not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. 4. Pipe materials to be used for construction of utility lines: Unless otherwise specified by the

Engineer, all storm sewer RCP shall be Class III. COrrugated Metal Pipe is not permitted. 5. All manhole and inlet covers shall read "City of Cedar Park." 6. Contractor shall notify the City of Cedar Park 48 hours prior to connecting to existing utilities.

7. All pipe bedding material shall conform to City of Austin Standard Specifications. 8. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 stack, 3000 psi ~ 28-days), and reinforcing steel to be ASTM A615 60.

9. Contractor to install and maintain geo-textile fabric barrier (inlet protection) around storm sewer leads and inlets to prevent silt and other material from entering the storm sewer

collection system. 10. Install concrete safety end treatments to all culverts and ends of drainage pipe.15 60.

## PRIVATE FIRE HYDRANT NOTES

1. This project has private hydrants located within the property.

- Fire hydrants on private property are required to be serviced, maintained, and flowed ANNUALLY. Test shall be conducted by a contractor registered with the City of Austin.
- The property owner is required to comply with the applicable City of Austin fire code.
- Failure to comply may result in civil and/or criminal remedies available to the City.
- 4. The performance of this obligation shall always rest with the owner of record.
- 5. Underground main feeding NFPA 13 sprinkler system must be installed and tested in accordance with NFPA 13, and the Fire Code, by a licensed sprinkler contractor with a plumbing permit. The entire main must be hydrostatically tested at one time, unless isolation valves are provided between tested sections.

INSTALLATION BY CONTRACTOR -

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DOUBLE STRAP SERVICE SADDLE

1 1/2" CORP. STOP (FORD OR APVD. EGIV.)

-1 1/2" POLYETHMLENE SERVICE LINE

STANDARD DETAIL FOR WATER METER SERVICE

SINGLE AND DOUBLE SERVICES

(¾", 1", OR 1½" METERS)

2" FOR 2" METER

3/4" BALL VALVE W/HANDLE (FORD OR APVD. EQUIV.) —

-CONGRETE PAD

### **GENERAL UTILITY NOTES**

Prior to submitting a bid, Contractor shall visit the site and determine all existing conditions which may affect his work. Any conditions resulting in extra work (arising after award of contracts) which could have been avoided and/or resolved had the Contractor visited the site, shall be performed by the Contractor at no cost to the Owner.

Contractor shall make the necessary adjustment for connections to existing lines.

- . Contractor is responsible for locating and verifying all existing underground utilities. Locations and elevations shown on these plans are only approximate, and are not to be scaled.
- . Contractor is fully responsible for any and all damages to existing utilities and other
- Contractor is responsible for preparation of the Traffic Control plan. If construction is within the State right-of-way, contractor shall submit plan to TxDOT for approval.
- . Contractor shall contact the City's utility Inspector or any governing agencies, for inspections and approvals prior to backfilling of water line, wastewater line, meter, valves, and other utility lines and related items.
- 6. Contractor shall provide an "AS-BUILT" survey plan prepared and sealed by a Licensed Surveyor. The As-Built drawings shall show horizontal and vertical locations of all pipes, flowlines, hydrants, meters, valves, manhole rim, manhole flowlines, existing lines at tie-in. The surveyor shall issue a sealed hard copy drawings and a CAD file to the Client and the Engineer
- . All utility lines shown on this plan end at 5 feet away from the building. Contractor shall provide the necessary utility connections at building penetrations to account for soil-foundation differential movements. Particular attention must be given to rigid tie-in connections, such as drain lines to bath tubs and toilets.
- The water and wastewater lines and meter shown on this plan were sized based on estimation only. They are subject to change upon determination of final design by the MEP engineer of record. The General Contractor is responsible for verifying these sizes, and shall inform the Civil Engineer of Record if there is any discrepancy, or if changes are needed.
- 9. The onsite wastewater lines shall have a minimum of 1.0% slope, unless otherwise noted.
- 10. Contractor is responsible for confirming and verifying all City of Austin Standards & Specifications with the appropriate City Department and/or the official City-published standards
- . Before ordering materials, Contractor shall review all construction documents, including Architectural, Structural, MEP, Civil, Landscape, and other related drawings, to verify and coordinate dimensions, locations, placement, and applicability of construction components. If there is any discrepancy and/or conflict, Contractor shall notify the Architect and the Civil Engineer of Record as soon as possible.

CUSTOMER RESPONSIBLE FOR INSTALLATION

Ford Gulf Box

catalog numbers

I," meter: YL 111 - 444

1岁" & 2" meter: FPMB - 7

service meter box: G-188-233 WITH

double box w/angle inlet: DG-248-243

NOTE: CONTRACTOR RESPONSIBLE FOR PARTS AND INSTALLATION.

1 OF 2

L 14-33 (ELL COUPLE)

## **GENERAL UTILITY NOTES** (CITY OF CEDAR PARK)

#### WASTEWATER:

- Manhole frames and covers and water valve boxes shall be raised to finish pavement grade at the owner's expense by the contractor with the City approval. All utility adjustments shall
- be completed prior to final paving construction. t. The location of any existing utility lines shown on these plans may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. The contractor shall locate all utilities prior to bidding the project. All iron pipe and fittings shall be wrapped with at least 8 mil. Polyethylene wrap.
- 4. All water mains, wastewater mains and service lines shall meet City of Austin minimum cover specifications. All streets are to be cut to subgrade prior to installation of water mains or cuts will be issued by the engineer.
- Where 48-inches of cover below subgrade cannot be achieved for wastewater service lines alternate materials may be used. A minimum of 36-inches of cover below subgrade shall be achieved. Any wastewater service line with cover between 36-inch and 48-inches shall be SDR-26 PVC pressure pipe.
- Gasketed PVC sewer main fittings shall be used to connect SDR-35 PVC to SDR-26 PVC pressure pipe or C-900.

Pipe materials to be used for construction of utility lines: SDR 35

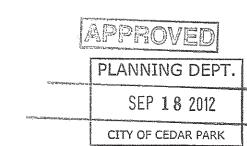
- All sanitary sewers, excluding service lines, shall be mandrel tested per TCEQ (Texas Commission on Environmental Quality) criteria. A mandrel test will not be performed until backfill has been in place for a minimum of 30 days.
- All sanitary sewers, including service lines, shall be air tested per City of Austin Standard Specifications.
- 10. Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe.
- 11. City shall be given 48 hours notice prior to all testing of water and wastewater lines. City Inspection is required for all testing of water and wastewater lines.
- 12. Where a water or wastewater line crosses above (or below) a storm sewer structure and the bottom (or top) of the pipe is within 18 inches of the top (or bottom) of the utility structure, the pipe shall be encased with concrete for a distance of at least 1 ft on either side of the ditch line the utility structure or the storm sewer. Concrete encasement will not be required for ductile iron (thickness Class 5), AWWA C-900 (sdr-18) 150 psi rated PVC in sizes to 12 inches or AWWA C-905 (SDR-25) 165 psi rated PVC in sizes larger than 12 inches. Concrete encasement shall conform to C.O.A. standard detail 505-1.
- 13. The allowable (maximum) adjustment for a manhole shall be 12" (inches) or less. 14. Where a sewer line crosses a water line, the sewer line shall be one 20 ft joint of 150 psi
- rated PVC centered in crossing.
- 15. All manhole and inlet covers shall read "City of Cedar Park." 16. Contractor to notify, and obtain approval from, the City of Cedar Park 48 hours prior to connecting to existing City utilities.
- 17. All pipe bedding material shall conform to City of Austin Standard Specifications. 18. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60.
- 19. All wastewater manholes to be coated with materials and procedures listed in City of Austin Qualified Products List No. WW-511. All manholes will be pre-coated or coated AFTER testing.
- 20. All manholes will be vacuum tested only. 21. Tracer taper AND marking tape shall be installed on all water and wastewater mains in accordance with City of Austin Standards, regardless of the type of pipe.
- 22. Polybird Coatings on wastewater manholes will not be allowed. Any other product appearing on the COA SPL WW-511 is acceptable.

## WATER NOTES:

- 1. The top of the valve stems shall be at least 18", and no more than 36", below finished grade. Valve stem risers shall be welded on each end to the City's satisfaction.
- 2. Fire hydrant leads to be ductile iron, Class 350, and installed per City of Austin standard
- specifications and detail. 3. Prior to installation of fire hydrants, the engineer will provide the Contractor one (1) cut from
- a hub pin, establishing the elevation of the bury line. 4. The engineer shall provide cuts for all water lines at all storm sewer crossings to the City of
- 5. Pipe materials to be used for construction of utility lines: PVC C900 DR 14, PVC SCH40 Copper pipe and fittings are not permitted within the Right-of-Way.
- 6. Approved 5 1/4" fire hydrants: American Flow Control, B84B Mueller Company, Super Centurion 250 Flow Medallion Hydrant, American AVK Company, Series 27 (Model 2780) All fire hydrants must meet City of Cedar Park thread specifications (National Thread) \*Blue reflector markers shall be located on the centerline of the pavement across from all
- fire hydrants. Pavement markers at intersections shall be four-sided. All water lines, including service lines, shall be pressure and leak tested per City of Austin Standard Specifications and witnessed by the City of Cedar Park representative. All testing is to be the responsibility of the contractor, and the contractor may be required to re-test
- lines if the testing is not witnessed by the City. Contractor must notify the City of Cedar Park 48 hours prior to testing. All water lines shall be sterilized and bacteriologically tested in accordance with City of Austin Standards. The contractor is responsible for sterilization and the City of Cedar Park is responsible for submitting bacteriological samples to the State.
- Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe.
- 10. Contractor to obtain a water meter from the City of Cedar Park for any water that may be required during construction. (512-401-5000)
- 11. ALL WATER METER BOXES SHALL BE FORD GULF MATER BOX WITH LOCKING LID. A. SINGLE G-148-233
- B. DUAL DG-148-243
- C. 1" METER YL111-444 D. 1 1/2" - 2" METER 1730-R (LID) & 1730-12 (BOX)/ACCEPTABLE BOXES FOR
- THIS SIZE OF METER
- 12. Manhole frames and covers and water valve boxes shall be raised to finish pavement grade at the owner's expense by the contractor with City inspection. All utility adjustments shall be completed prior to final paving construction.
- The location of any existing utility lines shown on these plans is the best available and may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor.
- 14. All iron pipe and fittings shall be wrapped with at least 8 mil. Polyethylene wrap. 15. All water mains, wastewater mains and service lines shall meet City of Austin
- Specifications minimum cover requirements. All streets are to be cut to subgrade prior to installation of water mains or cuts will be issued by the engineer. 16. City to be given 48 hours notice prior to all testing of water and wastewater lines. City
- inspection is required for all testing of water and wastewater lines.
- 17. Where a water or wastewater line crosses above (or below) a storm sewer structures and the bottom (or top) of the pipe is within 18 inches of the top (or bottom) of the utility structure, the pipe shall be encased with concrete for a distance of at least 1 ft. on either side of the ditch line of the utility structure or the storm sewer. Concrete encasement will not be required for ductile iron (thickness Class 50), AWWA C-900 (sdr-18) 150 psi rated PVC in sizes to 12 inches or AWWA C-905 (SDR-25) 165 psi rated PVC in sizes larger
- Contractor to notify the City of Cedar Park 48 hours prior to connecting to existing utilities. 19. All pipe bedding material shall conform to City of Austin Standard Specifications.

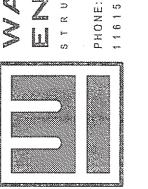
than 12 inches. Concrete encasement shall conform to C.O.A. standard detail 505-1.

- 20. Tracer tape shall be installed on all water and wastewater mains in accordance with City of Austin Standards. 21. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000
- psi~ 28-days), and all reinforcing steel to be ASTM A615 60. 22. All water valves will be operated by the City personnel ONLY. The contractor may not operate any water valve. The general contractor may be fined if a water valve is operated,
- regardless of who operated the valve. 23. A double check backflow device in a vault shall be installed at the property line on all



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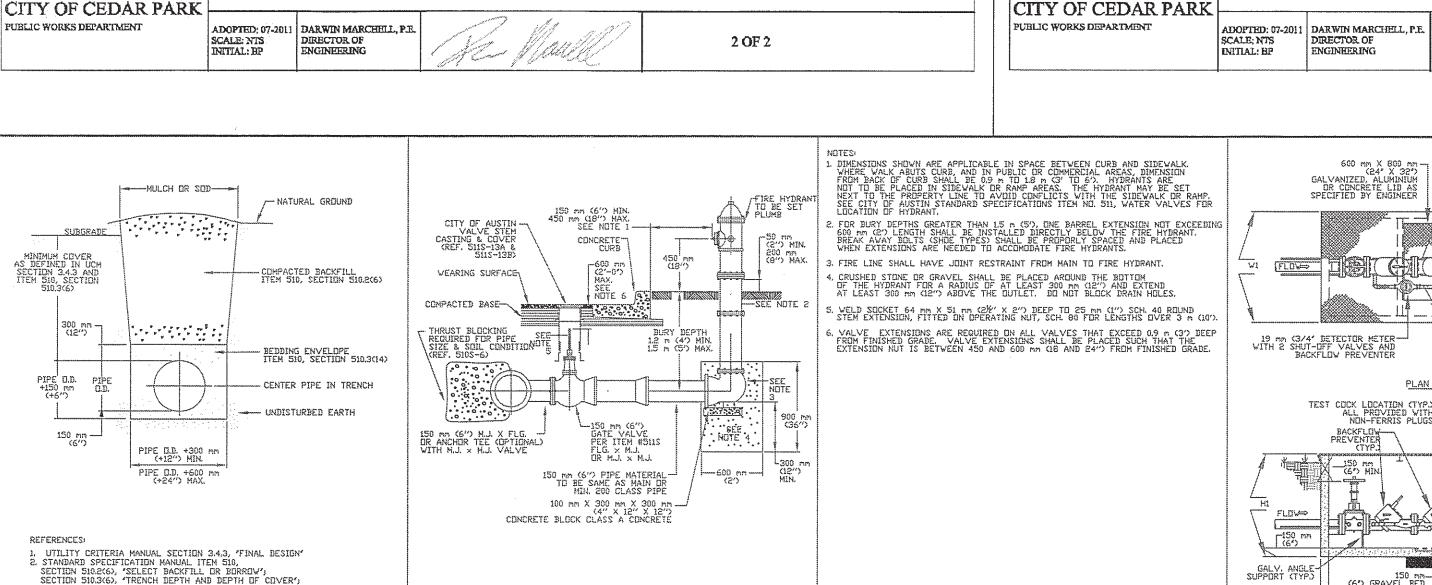


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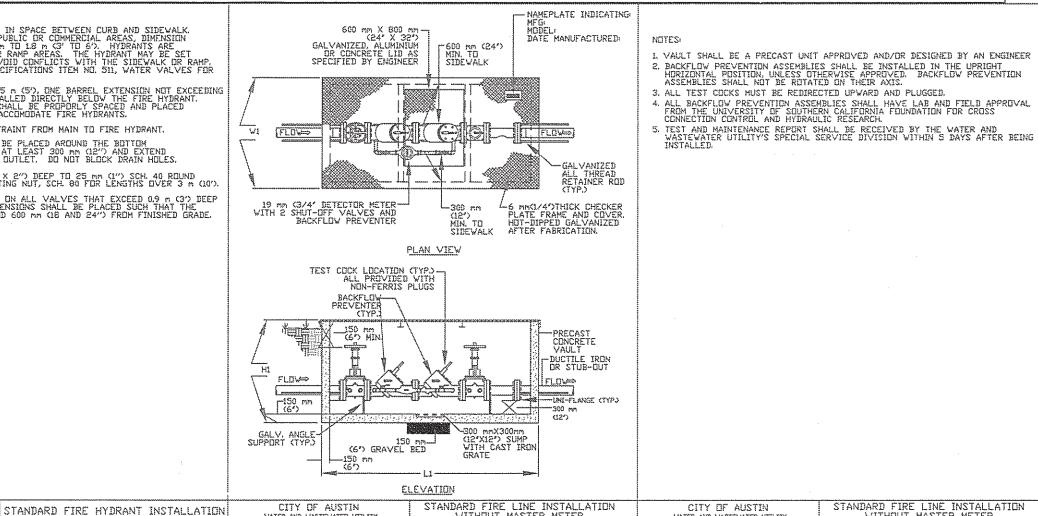
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DOUBLE SERVICE DETAIL

STANDARD DETAIL FOR WATER METER SERVICE

CUSTOMER RESPONSIBLE FOR INSTALLATION



THE EXISTING PAVING SURFACE SHALL BE SAV CUT IN A STRAIGHT LINE A MINIMUM OF 300 mm (12") WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION. 2. ANY CONCRETE PAVING SHALL BE SAW CUT 150 mm (6") WIDER THAN UNDISTURBED SIDES OF EXCAVATION. . IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL E MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR TEMPORARY HOT MIX ASPHALTIC CONCRETE.

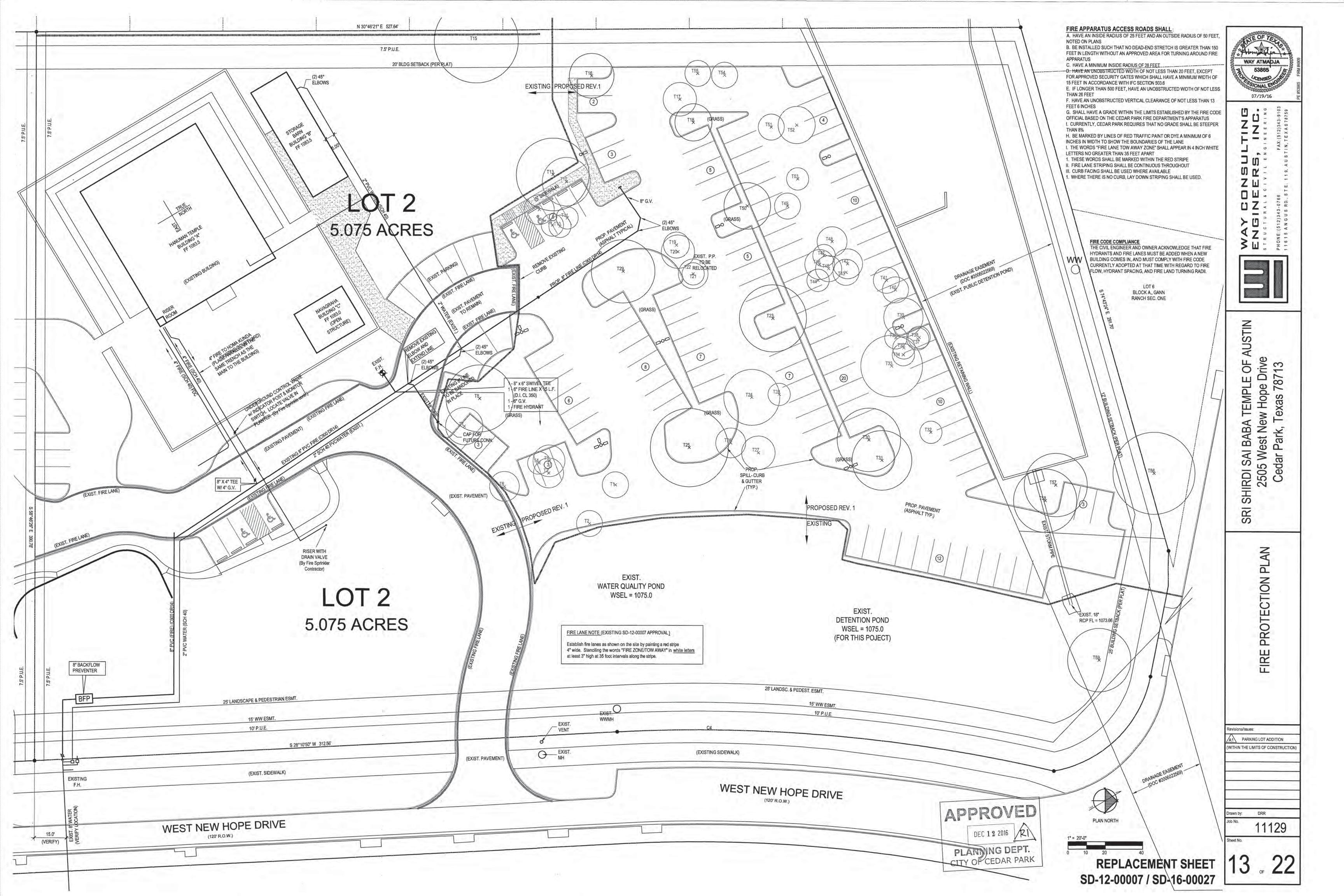
TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE

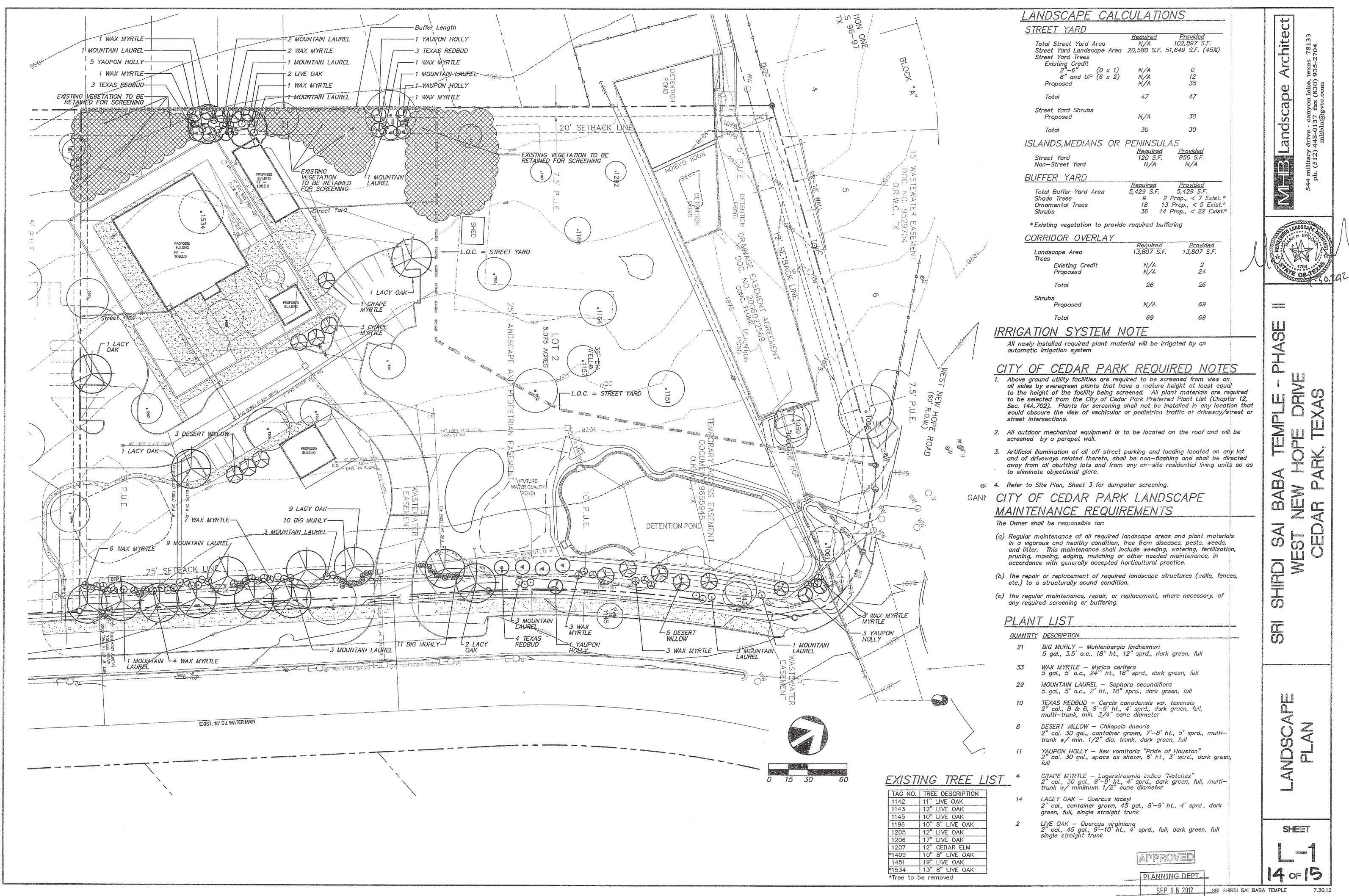
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STANDARD FIRE HYDRANT INSTALLATION

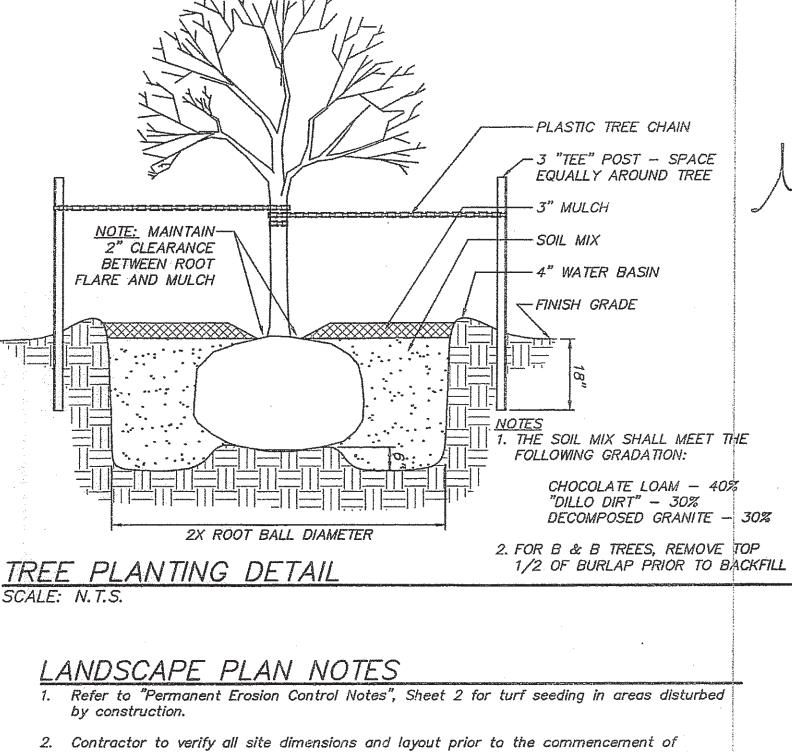
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CITY OF CEDAR PARK



3" MULCH

FINISH GRADE

SOIL MIX

NOTES

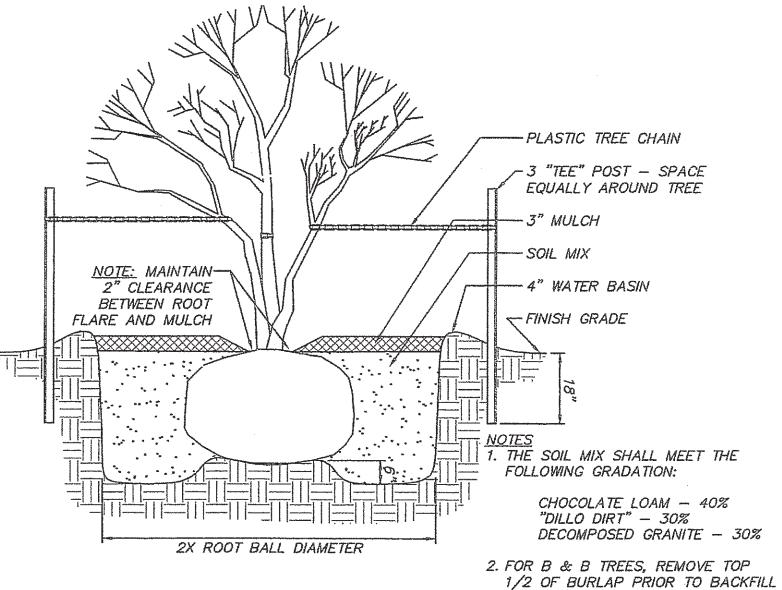
1. THE SOIL MIX SHALL MEET
FOLLOWING GRADATION:

CHOCOLATE LOAM — 40%

"DILLO DIRT" — 30%

DECOMPOSED GRANITE — 30%

5 GAL. & 7 GAL. SHRUB PLANTING DETAIL SCALE: N.T.S.



MULTI-TRUNK TREE PLANTING DETAIL SCALE: N.T.S.

APPROVED

PLANNING DEPT.

SEP 18 2012

CITY OF CEDAR PARK

- Contractor to verify all site dimensions and layout prior to the commencement of landscape construction. Any discrepancies between the drawings and the actual site conditions shall be brought to the attention of the Owner's Representative immediately.
- 3. Contractor is responsible for verification of the location all underground utilities. Repair to said utilities as a result of the work of the Contractor shall be the responsibility of the Contractor. NOTE: All existing and proposed utilities may not be shown on this plan.
- 4. Utilities may exist on site that were unknown during the development of this drawing. Contractor to notify the Owner's Representative immediately if the location of any proposed plant material conflicts with any site utility lines including but not limited to manholes, pull boxes, valve boxes, meters, transformers, etc. Do not plant a tree within 20 feet of the above—mentioned structures unless otherwise directed by the drawings. Failure to notify the Owner's Representative of such conflicts will result in the Contractor being responsible in replacing the affected plant material at the Owner's discretion.
- 5. Contractor is responsible for verification of all plant quantities based on the drawings and actual field conditions. Plant quantities have been provided for estimating purposes only. Contractor shall provide unit prices to the owner in case of any shortages\ overages or revisions to the planting design.
- Contractor shall supply nursery—grown trees (except for ball & burlap as approved by the Landscape Architect), shrubs, and ground covers of species, type and size as specified in the Plant List.
- 7. All plants shall be legibly labelled true to specified size and variety in accordance with Standardized Plant Names, American Joint Committee on Horticulture. Sizes must be in accordance with the American Association of Nurseryman Standards.
- 8. Irrigation system installation to be complete (with the exception of tree bubblers if applicable) prior to the installation of any plant material.
- 9. Contractor to remove all clods, rocks, concrete, trash and any other debris prior to installation of soil mix or plant material.
- 10. Contractor is responsible for removal of trash and repair of hazardous conditions (tools, open holes, etc.) on a daily basis by the end of the work day.
  11. Upon completion of construction and prior to final approval, Contractor shall thoroughly clean the site of all track, spilled soil, and litter, etc. that has resulted from landscape.
- clean the site of all trash, spilled soil, and litter, etc. that has resulted from landscape construction operations. Repair all damage to finish grade including tallings from excavations, wheel ruts, etc. caused from construction.
- 12. Remove all tags, ribbons and wires from all newly installed plant material upon Owner's authorization.
- 13. Contractor to replace all materials which are dead, unhealthy, or unsightly (as determined by the Owner) with the cost of replacement to be at the Contractor's expense. Replacement material to be in accordance with the drawings and shall be warranted per the garantee requirements stated herein.
- 14. All plant material to be guaranteed to remain alive and in healthy vigorous condition for a period of one year after acceptance by the Owner.
- 15. Warranty shall not include damage or loss of plants due to acts of God, acts of vandalism or negligence on the part of the Owner.

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Architect

Landscape

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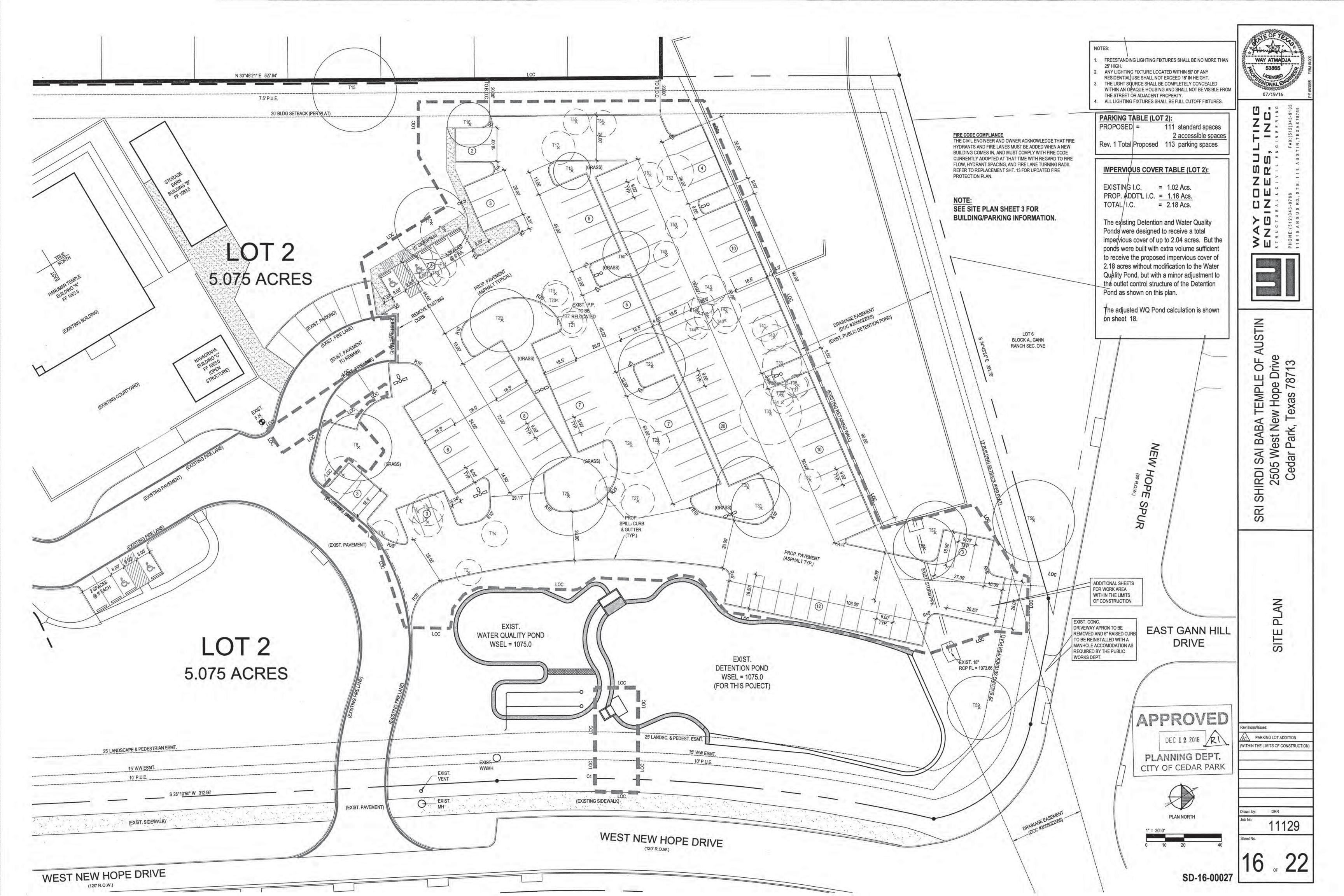
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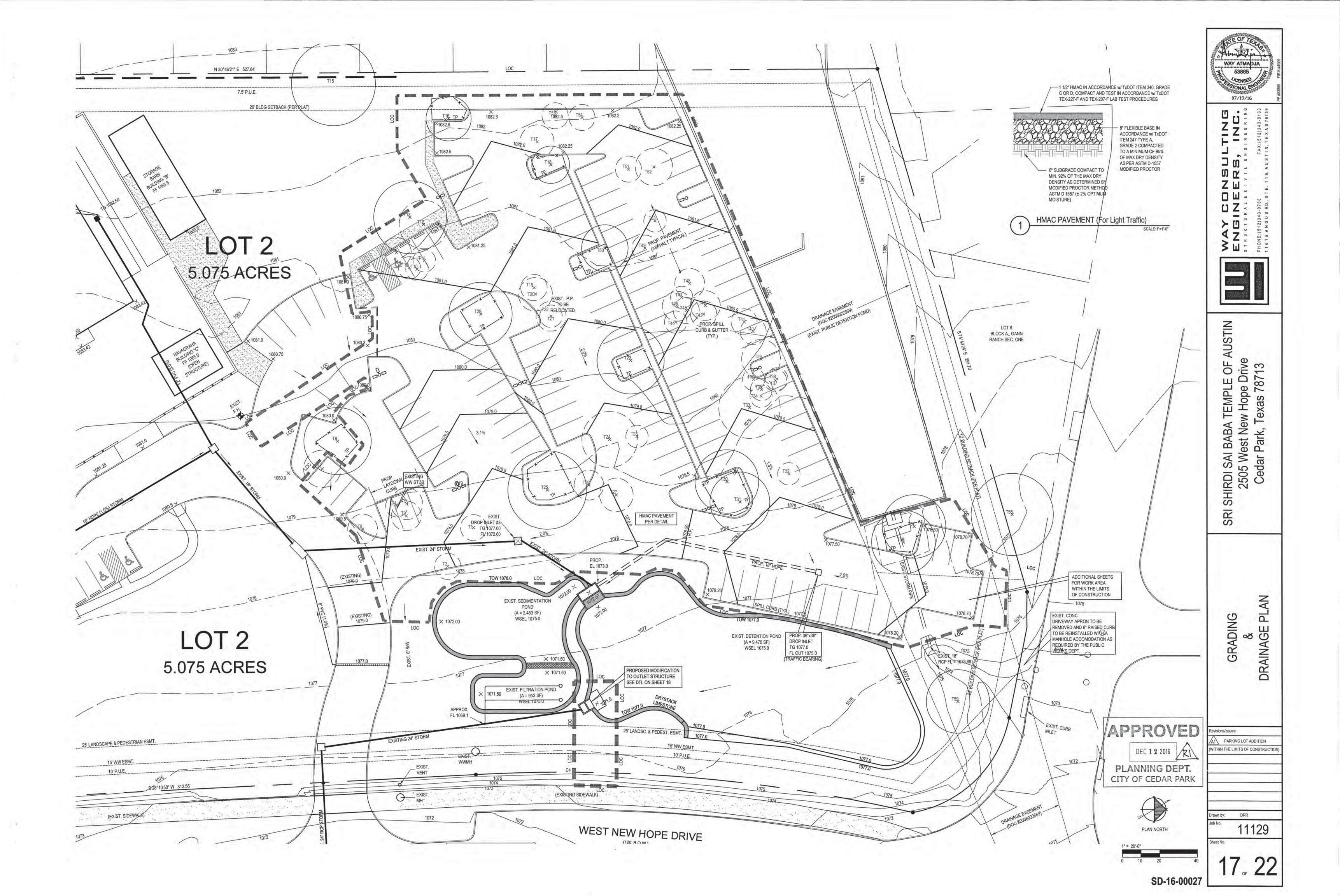
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# City of Cedar Park - Construction Notes Revised July 8, 2014

1. All construction shall be in accordance with the latest City of Austin Standard Specifications. City of Austin standards shall be used unless otherwise noted.

2. Design procedures shall be in general compliance with the City of Austin Drainage Criteria Manual. All variances to the manual are listed below: N/A

. The contractor shall give the City a minimum of 48 hours notice before beginning each phase of construction. The phases of construction are as follows: ONE PHASE

I. Benchmarks should be tied to the City of Cedar Park benchmarks and be correctly "geo-referenced" to state plane coordinates. A list of the City's benchmarks can be found at www.cedarparktexas.gov, click on city services; navigate to E services, GIS Mapping and GIS Maps and Monuments. List Benchmarks used for this project and give location and

5. Prior to issuance of a certificate of occupancy for a site development permit, the right of way between the property line and edge of pavement / back of curb shall be revegetated according to COA specification 602S and 606S. Prior to City acceptance of subdivision improvements all graded and disturbed areas are to be re-vegetated in accordance with the City of Austin Specification Item #604.

. The Contractor shall provide the City of Cedar Park copies of all test results prior to acceptance of subdivision improvements, City, owner, engineer, contractor, representatives of all utility companies, and a representative from the testing lab shall attend pre-construction conference prior to start of construction. The contractor shall schedule the meeting with the City of Cedar Park Engineering Department a minimum of 48 hours prior to this pre-construction meeting (512-401-5000). Final construction plans shall be delivered to Engineering a minimum of seven business days prior to requesting a pre-construction

B. Excess soil shall be removed at the contractor's expense. Notify the City of Cedar Park if the disposal site is inside the City's jurisdictional boundaries.

No burning is allowed. 0. Any changes or revisions to these plans must first be submitted to the City by the design engineer for review and written

approval prior to construction of the revision. 1. Minimum setback requirements for existing and newly planted trees from the edge of pavement to conform to the

requirements as shown in Table 6-1 of the City of Austin's Transportation Criteria Manual. 2. The Contractor will reimburse the City for all cost incurred as a result of any damage to any City utility or any infrastructure

within the Right-of-Way by the Contractor, regardless of these plans. 13. An engineer's concurrence letter and 22"x34" record drawings (one Mylar copy and a digital copy on a CD ROM) shall be submitted to the Public Works Department prior to the issuance of certificate of occupancy or subdivision acceptance.

The Engineer and Contractor shall verify that all final revisions and changes have been made to both the Mylar and digital copy prior to City submittal. Record construction drawings, including roadway and all utilities, shall be provided to the City in digital format as AutoCad ". dwg" files, ".PDF", and ".TIF" files on CD ROM. Line weights, line types and text size shall be such that if half-size prints (11"x 17") were produced, the plans would still be legible. All required digital files shall contain a minimum of two (2) control points referenced to the State Plane Grid Coordinate System - Texas Central Zone (4203), in US feet and shall include rotation information and scale factor required to reduce surface coordinates to grid coordinates in US feet.

4. The City of Cedar Park has not reviewed these plans for compliance with the Americans With Disabilities Act. It is the responsibility of the owner to provide compliance with all legislation related to accessibility within the limits of construction

5. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF CEDAR PARK MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

16. No blasting is allowed on this project. 7. A traffic control plan, in accordance with the Texas Manual on Uniform Traffic Control Devices, shall be submitted to the City for review and approval prior to any partial or complete roadway closures. Traffic control plans shall be site specific and

seal by a registered professional engineer 8. The contractor shall keep the site clean and maintained at all times, to the satisfaction of the City. The subdivision will not be accepted (or Certificate of Occupancy issued) until the site has been cleaned to the satisfaction of the City.

Signs are not permitted in Public Utility Easements, Set Backs or Drainage Easements. 20. It shall be the responsibility of the Contractor to inspect temporary erosion controls on a daily basis. Adjust the controls and/or remove any sediment buildup as necessary.

 A final certificate of occupancy will not be issued on commercial sites until all disturbed areas have been re-vegetated Substantial grass cover, as determined by Public works Department, must be achieved prior to the issuance of a final certificate of occupancy. All erosion controls must remain in place and maintained until all disturbed areas have been re-vegetated to the acceptance of the City of Cedar Park Public Works Department. Prior to issuance of a certificate of

shall be revegetated according to COA specification 602S and 606S. 22. Contractor will be responsible for keeping roads and drives adjacent to and near the site free from soil, sediment and debris. Contractor will not remove soil, sediment or debris from any area or vehicle by means of water, only shoveling and sweeping will be allowed. Contractor will be responsible for dust control from the site.

occupancy for a site development permit, the right of way between the property line and edge of pavement / back of curb

 All wet utilities shall be installed and all densities must have passed inspection(s) prior to the installation of dry utilities. 24. A minimum of seven days of cure time is required for HMAC prior to the introduction of vehicular traffic to any streets.

25. Prior to plan approval, the Engineer shall submit to the City of Cedar Park (COCP) documentation of subdivision/site registration with the Texas Department of Licensing and Regulations (TDLR) and provide documentation of review and compliance of the subdivision/site construction plans with Texas Architectural Barriers Act (TABA).

26. Prior to subdivision/site acceptance, the engineer/developer-owner shall submit to the COCP documentation that the subdivision/site was inspected by TDLR or a registered accessibility specialist (RAS) and the subdivision/site is in compliance with the requirements of the TABA.

27. All construction and construction related activities shall be performed Monday thru Friday from 7:00 A.M. to 6:00 P.M. However, construction activities within one hundred feet (100") of a dwelling or dwelling unit that is both occupied as a residence and also located within one hundred feet (100') of the Toll Road 183A right-of-way shall be performed between the hours of 8:00 a.m. and 6:00 p.m. Approval for construction activities performed on Saturday shall be obtained in writing l8 hours in advance, and inspection fees at 1.5 times the hourly inspection rate shall be billed directly to the contracto There shall be no construction or construction related activities performed on Sunday. The City reserves the right to require the contractor to uncover all work performed without City inspection.

28. All poles to be approved by City and PEC, no conduit shall be installed down lot lines / between homes. All conduit shall be located in the public ROW or in an easement adjacent to and parallel to the public ROW.

29. Dry utilities shall be installed after subgrade is cut and before first course base. No trenching of compacted base. If necessary dry utilities installed after first course base shall be bored across the full width of the ROW. 30. No ponding of water shall be allowed to collect on or near the intersection of private driveway(s) and a public street.

31. All driveway approaches shall have a uniform two percent slope within the ROW unless approved in writing by the Engineering Department.

## STREET NOTES:

1. No trenching of compacted base will be allowed. A penalty and/or fine may be imposed to the general contractor if trenching of compacted base occurs without City approval, regardless of who performed the trenching. 2. All sidewalks shall comply with the Americans With Disabilities Act. The City of Cedar Park has NOT reviewed these plans

for compliance with the Americans With Disabilities Act, or any other accessibility legislation, and does not warranty or approve these plans for any accessibility standards.

Street barricades shall be installed on all dead end streets and as necessary during construction to maintain job safety. Any damage caused to existing pavement, curbs, sidewalks, ramps, etc., shall be repaired by the contractor to the satisfaction of the City prior to acceptance of the subdivision.

5. At intersections, which have valley drainage, the crown to the intersecting street will be culminated at a distance of 40 ft. from the intersecting curb line unless otherwise noted. 6. The sub-grade material was tested by PSI, Inc., 2600 McHale Court, Ste. 125 Austin, Tx. 78758, 512-491-0200

on May 30, 2012 the pavement sections were designed accordingly. The pavement sections are to be constructed as follows: Pavement section shall match detail 1 on sheet 17 of this plan set.

Density testing of compacted sub-grade material, first course and second course compacted base, shall be made at 500 foot intervals.

Reconstruction of the driveway approach shall be at the Contractor's expense.

8. All density testing is the responsibility of the owner or contractor and shall be witnesses by the City of Cedar Park representative. The contractor is to notify the City 48 hours prior to scheduled density testing.

. Traffic control signs and pavement markings shall be in accordance with the Texas Manual on Uniform Traffic Control Devices and installed as directed by the City of Cedar Park prior to City acceptance of the Subdivision. 10. Slope of natural ground adjacent to the right-of-way shall not exceed 3:1. If a 3:1 slope is not possible, a retaining wall or some other form of slope protection approved by the City shall be placed in a location acceptable to the City.

1. The City, engineer, contractor, and a representative from the asphalt testing lab shall attend a pre-paving conference prior to the start of HMAC paving. The contractor shall give the City a minimum of 48 hours notice prior to this meeting (512-401-5000). 12. The Contractor or owner is responsible for conducting tests on asphalt pavement in accordance with the requirements set

forth in the City of Austin Standard Specification No. 340. Any re-testing of the asphalt pavement shall be conducted under the supervision of the engineer and the City of Cedar Park. Re-testing of the asphalt pavement shall be limited to one retest per project.

3. All pavement markings and signage shall comply with MUTCD standards. Street name letter sizing shall be in accordance with MUTCDTable2D-2.Pavement markings shall be thermoplastic unless otherwise noted. 14. All signs shall be high intensity retro grade.

15. No Fencing or Wall is allowed to be constructed so that it obstructs the sight lines of drivers from an intersecting public roadway or from an intersecting private driveway. Sight lines are to be maintained as described in City Code Section 14.05.007. Installing a fence or wall which does not comply with the City's Sight Distance Requirements or Fencing Regulations is a violation of the City's Ordinance and may be punishable pursuant to Section 1.01.009 of City Code.

6. Temporary rock crushing operations are not allowed. All sources for flexible base material are required to be approved by the City. Prior to base placement all current triaxial test reports for the proposed stockpiles are to be submitted to the City's project representative for review and approval.

## City of Cedar Park - Construction Notes (Continued)

Manhole frames and covers and water valve boxes shall be raised to finished pavement grade at the owner's expense by the contractor with the City approval. All utility adjustments shall be completed prior to final

. The location of any existing utility lines shown on these plans may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. The contractor shall locate all utilities prior to bidding the project. 3. All iron pipe and fittings shall be wrapped with at least 8 mil. Polyethylene wrap.

All streets are to be cut to subgrade prior to installation of water mains or cuts will be issued by the engineer. 5. Where 48-inches of cover below subgrade cannot be achieved for wastewater service lines alternate materials may be used. A minimum of 36-inches of cover below subgrade shall be achieved. Any wastewater service line with cover between 36-inch and 48-inches shall be SDR-26 PVC pressure pipe.

4. All water mains, wastewater mains and service lines shall meet City of Austin minimum cover specifications.

. Gasketed PVC sewer main fittings shall be used to connect SDR-35 PVC to SDR-26 PVC pressure pipe or C-900 . Pipe materials to be used for construction of utility lines: Wastewater- SDR 35

Force Main- NOT APPLICABLE

(Note: SDR-35 WW is not allowed in the ROW) 8. All sanitary sewers, excluding service lines, shall be mandrel tested per TCEQ (Texas Commission on Environmental Quality) criteria. A mandrel test will not be performed until backfill has been in place for a minimum of 30 days. 9. All wastewater lines 10" and larger shall be TV Video taped according to COA 510 at the Contractor's expense. The contractor shall

supply two copies to the City's Field Representative. No separate pay unless noted on the bid form. All sanitary sewers, including service lines, shall be air tested per City of Austin Standard Specifications.

 Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe. 2. Cityshall be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all testing of water and wastewater lines. 3. Where a water or wastewater line crosses above (or below) a storm sewer structure and the bottom (or top) of the

pipe is within 18 inches of the top (or bottom) of the utility structure, the pipe shall be encased with concrete for a distance of at least 1 ft. on either side of the ditch line of the utility structure or the storm sewer. Concrete encasement will not be required for ductile iron (thickness Class 50), AWWA C-900 (SDR-18) 150 psi rated PVC in sizes to 12 inches or AWWA C-905 (SDR-25) 165 psi rated PVC in sizes larger than 12 inches. Concrete encasement shall conform to C.O.A. standard detail 505-1. 4. The allowable (maximum) adjustment for a manhole shall be 12" (inches) or less.

5. Where a sewer line crosses a water line, the sewer line shall be one 20 ft. joint of 150 psi rated PVC centered on

16. All manhole and inlet covers shall read "City of Cedar Park". 17. Contractor to notify, and obtain approval from, the City of Cedar Park 48 hours prior to connecting to existing City

18. All pipe bedding material shall conform to City of Austin Standard Specifications. 19. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60. 20. All wastewater manholes to be coated with materials and procedures listed in City of Austin Qualified Products List No.

WW-511 (WW-511A and WW-511B are not allowed). All manholes will be pre-coated or coated AFTER testing. All manholes will be vacuum tested only. 2. Tracer tape AND marking tape shall be installed on all water and wastewater mains in accordance with City of Austin

Standards, regardless of the type of pipe. 3. Polybird Coatings on wastewater manholes will not be allowed. Any other product appearing on the COA SPL WW-511 is acceptable.

4. All pressure pipe shall have mechanical restraint and concrete thrust blocking at all valves, bends, tees, plugs, and other fittings.

WATER NOTES:

. The top of valve stems shall be at least 18", and no more than 36", below finished grade. Valve stem risers shall be welded on each end to the City's satisfaction . Fire hydrant leads to be ductile iron, Class 350, and installed per City of Austin standard specifications and detail.

3. Prior to installation of fire hydrants, the engineer will provide the Contractor one (1) cut from a hub pin, establishing the elevation of the bury line.

. The engineer shall provide cuts for all water lines at all storm sewer crossings to the City of Cedar Park. 5. Pipe materials to be used for construction of utility lines: C-900

Water - Copper pipe and fittings are not permitted within the Right-of-Way. . Approved 5 1/4" fire hydrants:

American Flow Control, B84B Mueller Company, Super Centurion 250 Clow Medallion Hydrant

American AVK Company, Series 27 (Model 2780)

All fire hydrants must meet City of Cedar Park thread specifications (National Thread) \*Blue reflector markers shall be located on the centerline of the pavement across from all fire hydrants. Pavement markers at intersections shall be four-sided.

All water lines, including service lines, shall be pressure and leak tested per City of Austin Standard Specifications and witnessed by the City of Cedar Park representative. All testing is to be the responsibility of the contractor, and the contractor may be required to re-test lines if the testing is not witnessed by the City. Contractor must notify the City of Cedar Park 48 hours prior to any testing.

. All water lines shall be sterilized and bacteriologically tested in accordance with City of Austin Standards. The contractor is responsible for sterilization and the City of Cedar Park is responsible for submitting bacteriological samples to the

3. Density testing of compacted backfill shall be made at a rate of one test per two foot lifts per 500 feet of installed pipe. 10. Contractor to obtain a water meter from the City of Cedar Park for any water that may be required during

construction, (512-401-5000) 1. ALL WATER METER BOXES SHALL BE FORD GULF METER BOX WITH LOCKING LID.

 A. SINGLE G-148-233 • B. DUAL DG-148-243 C. 1" METER YL111 - 444

• D. 1 1/4" - 2" METER 1730-R (LID) & 1730-12 (BOX)/ACCEPTABLE BOXES FOR THIS SIZE OF METER 2. Manhole frames and covers and water valve boxes shall be raised to finished pavement grade at the owner's expense

by the contractor with City inspection. All utility adjustments shall be completed prior to final paving construction. 3. The location of any existing utility lines shown on these plans is the best available and may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. 4. All iron pipe and fittings shall be wrapped with at least 8 mil. Polyethylene wrap.

5. All water mains, wastewater mains and service lines shall meet City of Austin Specifications minimum cover requirements. All streets are to be cut to subgrade prior to installation of water mains or cuts will be issued by the L6. Cityto be given 48 hours notice prior to all testing of water and wastewater lines. City inspection is required for all

testing of water and wastewater lines. 7. Where a water or wastewater line crosses above (or below) a storm sewer structure and the bottom (or top) of the pipe is within 18 inches of the top (or bottom) of the utility structure, the pipe shall be encased with concrete for a distance of at least 1 ft. on either side of the ditch line of the utility structure or the storm sewer. Concrete encasement will not be required for ductile iron (thickness Class 50), AWWA C-900 (SDR-18) 150 psi rated PVC in sizes to 12 inches or AWWA C-905 (SDR-25) 165 psi rated PVC in sizes larger than 12 inches. Concrete encasement shall

conform to C.O.A. standard detail 505-1. 3. Contractor to notify the City of Cedar Park 48 hours prior to connecting to existing utilities. 19. All pipe bedding material shall conform to City of Austin Standard Specifications.

20. Tracer tape shall be installed on all water and wastewater mains in accordance with City of Austin Standards. 21. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing steel to be ASTM A615 60. 2. All water valves will be operated by City personnel ONLY. The contractor may not operate any water valve. The general

contractor may be fined if a water valve is operated, regardless of who operated the valve. A double check backflow device in a vault shall be installed at the property line on all private fire lines. 24. All potable water system components installed after January 4, 2014, shall be "lead free" according to the United States Safe Drinking Water Act. The only components exempt from this requirement are fire hydrants. Components that are not clearly identified by the manufacturer as meeting this requirement by marking, or on the product

packaging, or by pre-approved submittal, will be rejected for use. A NSF certification will be adequate if the certification has not expired as of January 4, 2014 and remains unexpired at the time of construction. 5. All pressure pipe shall have mechanical restraint and concrete thrust blocking at all valves, bends, tees, plugs, and other fittings.

## STORM SEWER NOTES:

1. Manhole frames and covers and water valve boxes shall be raised to finished pavement grade at the owner's expense by the contractor with City inspection. All utility adjustments shall be completed prior to final paving construction. Contractor shall backfill around manholes and junction boxes with Class A concrete.

2. All manhole lids shall be 32" or larger, unless expressly approved in writing by the Engineering Department. 3. The location of any existing utility lines shown on these plans is the best available and may not be accurate. Any damage to existing utility lines, both known and unknown, shall be repaired at the expense of the contractor. 4. Pipe materials to be used for construction of utility lines: Unless otherwise specified by the Engineer, all storm sewer

RCP shall be Class III. Corrugated Metal Pipe is not permitted. 5. All manhole and inlet covers shall read "City of Cedar Park".

. Contractor to notify the City of Cedar Park 48 hours prior to connecting to existing utilities. All pipe bedding material shall conform to City of Austin Standard Specifications.

3. Unless otherwise specified by the Engineer all concrete is to be Class "A" (5 sack, 3000 psi ~ 28-days), and all reinforcing 3. Contractor to install and maintain geo-textile fabric barrier (inlet protection) around storm sewer leads and inlets to

prevent silt and other material from entering the storm sewer collection system. Install concrete safety end treatments to all culverts and ends of drainage pipe.

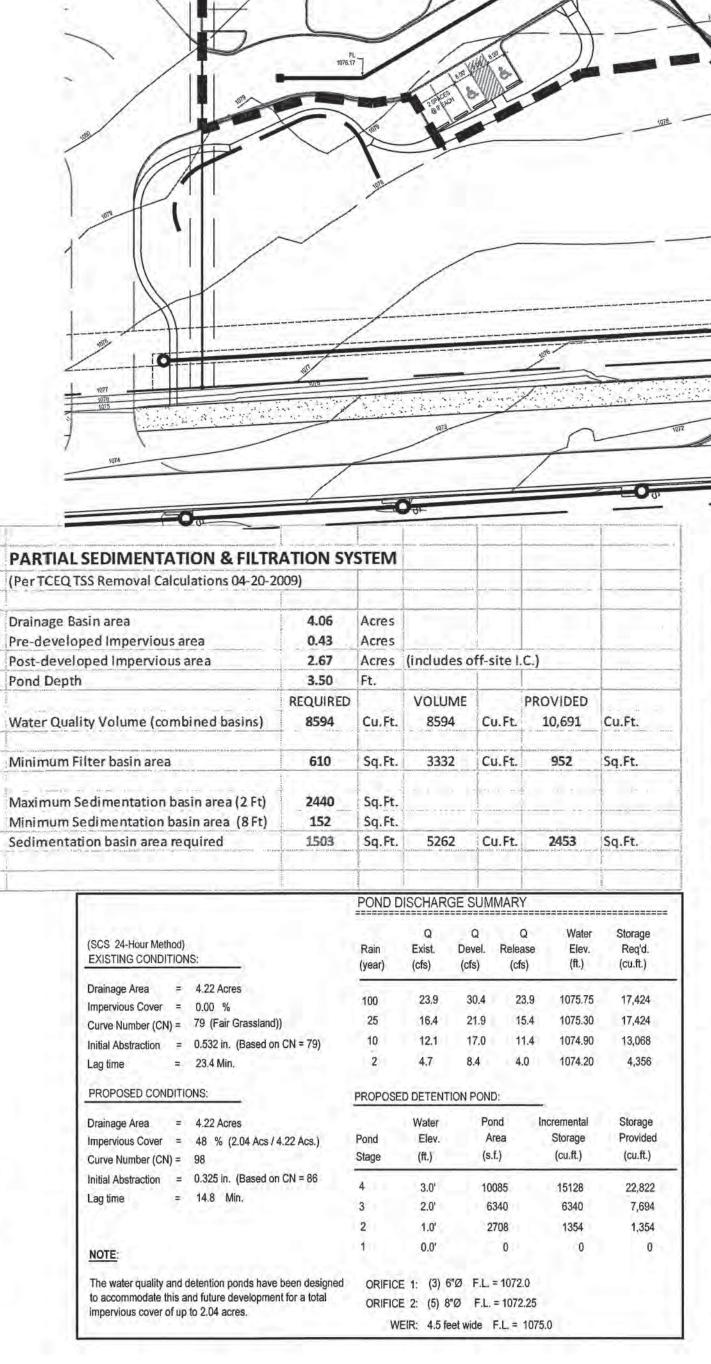
## SPLITTER BOX WEIRS

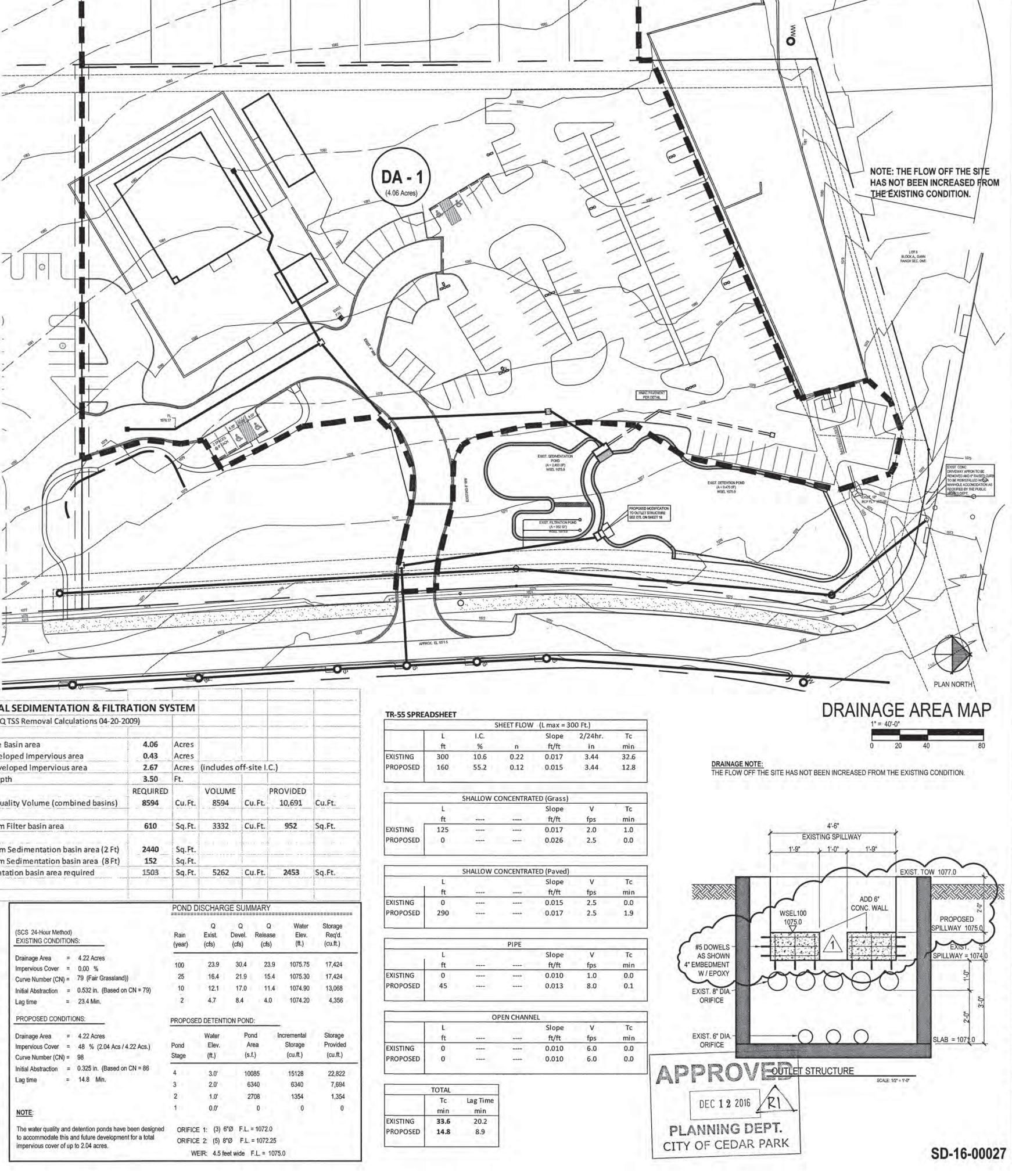
WEIR - 1 Q25 = Splitter box to WQP Desired Head = 14.0 in Reg'd. Min. Width = 5.22 ft V (at reg'd. width) = WEIR - 2 Q100 = Splitter box to Det. Pond Flow = 29.90 cfs 12.0 in

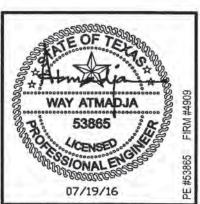
V (at req'd. width) = 3.30 fps

9.06 ft

Desired Head = Reg'd. Min. Width =







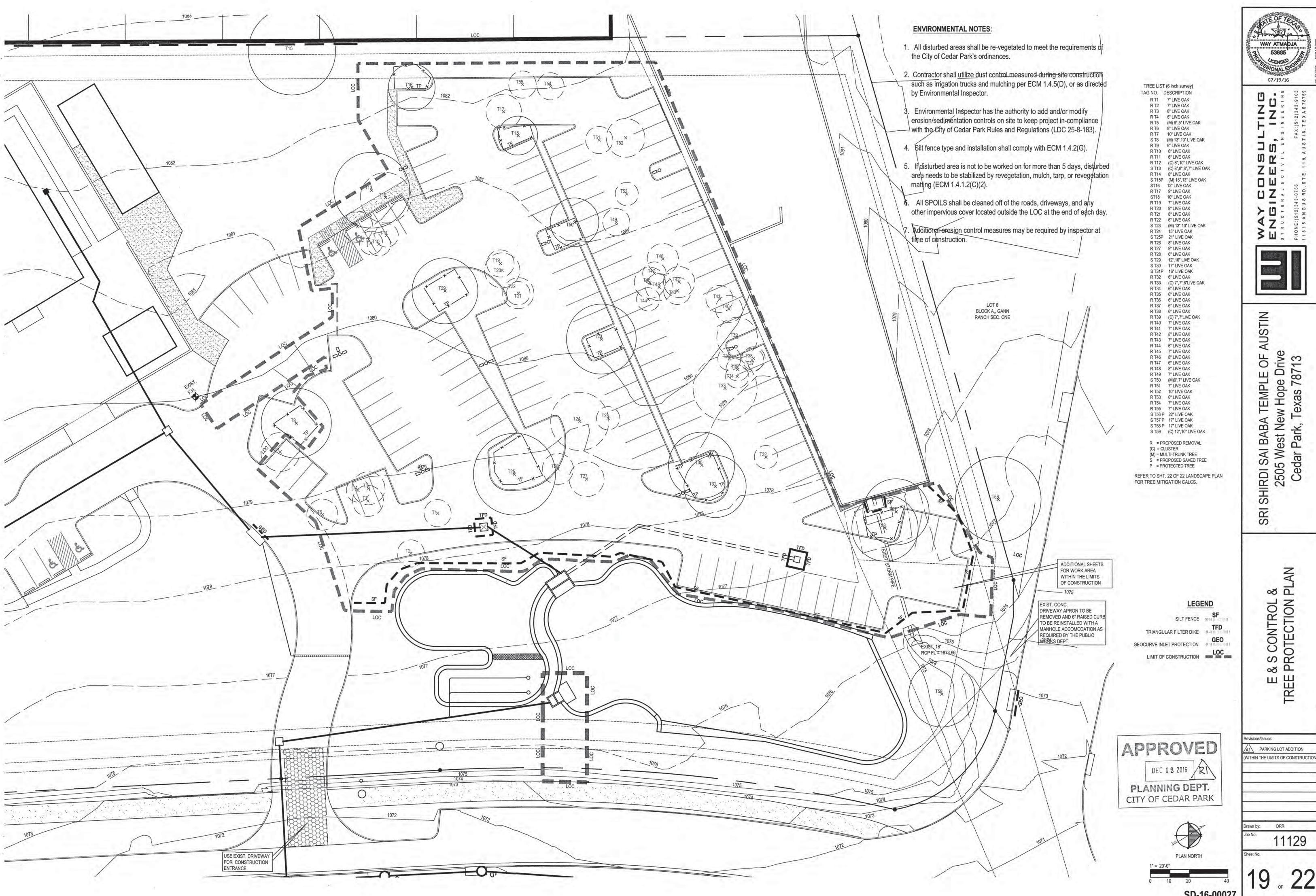
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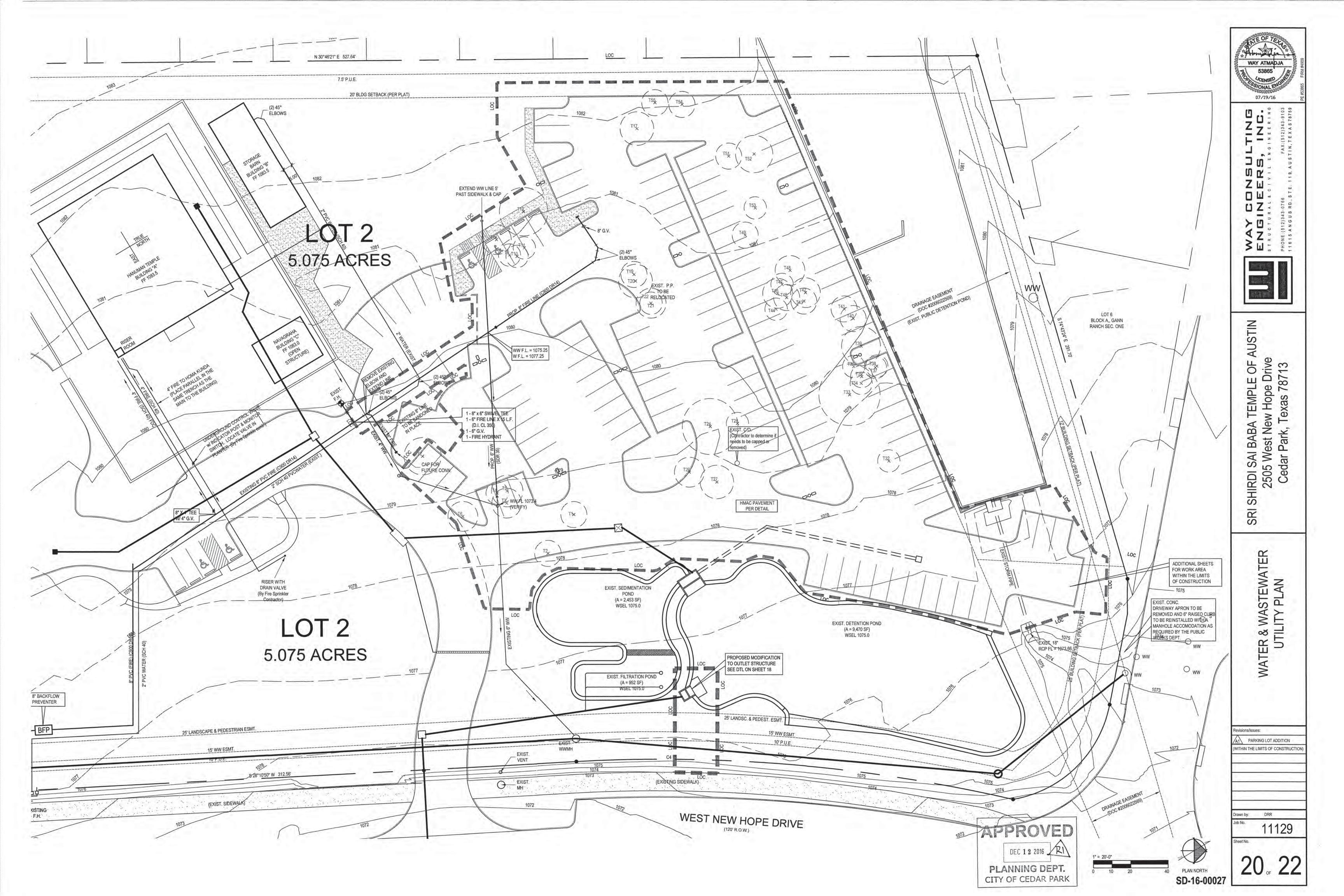
PF

TEMPLE Hope Texas New BABA Park, SHIRDI S 2505 Ced S

MAP ARE RAINAGE 

PARKING LOT ADDITION VITHIN THE LIMITS OF CONSTRUCTIO DRR

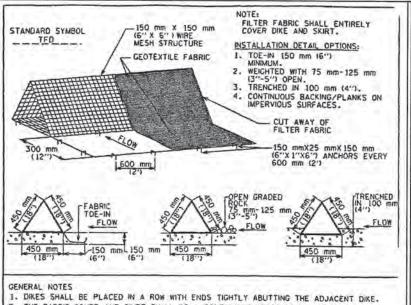




Product Data Sheet GeoCurye Inlet Filter GeoSolutions, Inc. The GeoCurve Inlet Filter is a stormwater filter for placement into a stormwater curb inlet for the purpose of capturing debris and sediment that is transported by stormwater runoff. The device is comprised of a filter media (woven monofilament filter fabric) affixed to the lower portion of a "C" shaped 12 gauge welded wire frame (2" x 4" openings) with an upper retention flange. The device effectively filters stormwater, can easily be removed for maintenance and cleaning and incorporates an overflow window for heavy storm events. GEOCURVE INLET FILTER HEAVY STORM FLOW FILTER MEDIA GEOCURVE INLET FILTER CROSS-SECTION CROSS-SECTION SHOWING PLACEMENT OF GEOCURVE IN CURB INLET FILTER MEDIA PROPERTIES: Mono-filament Woven Filter Fabric PROPERTY ASTM TEST VALUE C.O.A. REQ'T METHOD D 3776 4.5 oz/sy 3 oz/sy Fabric Weight 170 lbs Grab Tensile Strength D 4632 \*\*\*\* D 3786 410 lbs/sq in Mullen Burst Strength UV Stability

Water Flow Rate

D 4355 80 % 70 % D 4491 325 gal/min/sf 275 gal/min/sf GeoSolutions, Inc. 4417 Burleson Road Austin, Texas 78744 512-330-0796



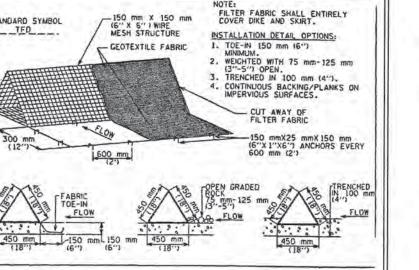
. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS WRAPPING OF GEOTEXTILE. THE SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE. FACE.

3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF 75-125 mm (3-5")
OPEN GRADED ROCK OR TOED-IN 150 mm (6") WITH MECHANICALLY COMPACTED
MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED IN 100 mm (4").

4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 150 mm (6") WIRE
STAPLES ON SOO mm (2") CENTERS ON BOTH EDGES AND SKIRT, OR STAKE USING
10M (%") DIAMETER RE-BAR WITH TEE ENDS.

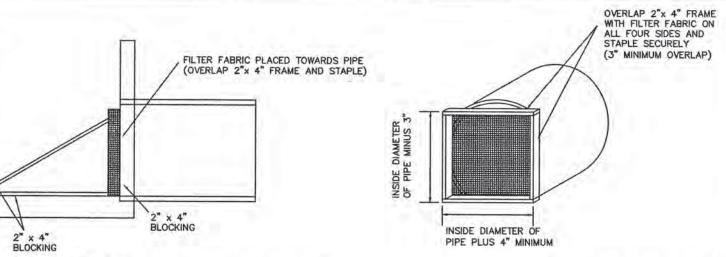
5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 150 mm (6") TO COVER DIKE TO DIKE
JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS. 6. THE DIKE STRUCTURE SHALL BE MW40-150 mmX 150 mm (6 GA. 6"X6") WIRE MESH,
450 mm (18") ON A SIDE.
7. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR
OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6")
AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION. AFTER THE DEVELOPMENT SITE IS COMPLETLY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTE 8 ABOVE.

TRIANGULAR SEDIMENT FILTER DIKE STANDARD NO. 6285



THE "STORM INLET SEDIMENT TRAPS" SHALL BE INSTALLED UPON COMPLETION OF THE PROPOSED INLET WALLS OR AS DIRECTED BY THE CITY OF CEDAR PARK'S PROJECT REPRESENTATIVE.

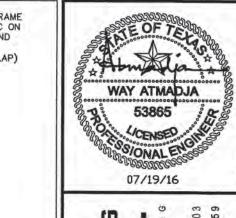
STANDARD DETAIL STORM INLET SEDIMENT TRAP CITY OF CEDAR PARK DARWIN MARCHELL, P.E.



NOTES:
STORM INLET SEDIMENT TRAPS SHALL BE PLACED IN
ALL PROPOSED CURB INLETS AND AREA INLETS AS
DIRECTED BY THE CITY OF CEDAR PARK'S PROJECT
REPRESENTATIVE. THE LATERAL BRACING SHALL BE PLACED IN A MANNER AS TO ADEQUATELY SECURE THE FILTER FRAME TO THE SIDE OF THE INLET, INSURING THE PROPER FUNCTION OF THE SEDIMENT TRAP. FILTER FABRIC MAY BE IDENTICAL TO THAT SPECIFIED AS "TEMPORARY SEDIMENT CONTROL FENCE".

OTHER MATERIAL MAY BE USED UPON APPROVAL OF
THE CITY OF CEDAR PARK'S PROJECT REPRESENTATIVE.

STORM INLET SEDIMENT TRAP FOR USE ON NEW CURB INLETS AND NEW AREA INLETS ONLY.



THE CONTRACTOR WILL BE REQUIRED TO PERFORM PERIODIC MAINTENANCE OF THE SEDIMENT TRAP AND REMOVE ACCUMULATED SILT AS DIRECTED BY THE CITY OF CEDAR PARK'S PROJECT REPRESENTATIVE.

"STORM INLET SEDIMENT TRAPS" SHALL REMAIN IN PLACE UNTIL CONSTRUCTION OF THE PROPOSED INLET DECK BEGINS.

ALL WOOD SHALL BE PRESSURE TREATED.

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AUSTIN Vest New Hope Drive Park, Texas 78713 SRI SHIRDI SAI E 2505 Wet Cedar P

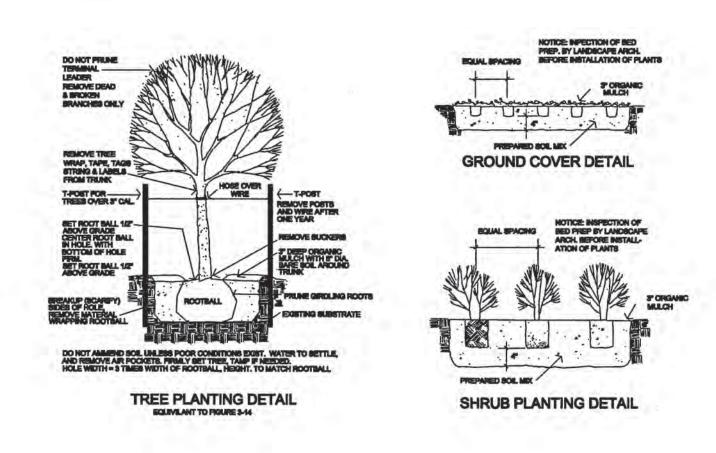
**DETAILS** 

PARKING LOT ADDITION (WITHIN THE LIMITS OF CONSTRUCTION

Drawn by: DRR
Job No. 11129

APPROVED DEC 1 2 2016 RI PLANNING DEPT. CITY OF CEDAR PARK

SD-16-00027



LANDSCAPE NOTES

1. ALL LANDSCAPED AREAS SHALL BE PROTECTED BY A 6" STANDARD CURB OR WHEEL STOPS.

2. IRRIGATION SHALL BE BY AUTOMATIC SYSTEM WITH SHRUB AND TURF AREAS ON SEPARATE VALVE SECTIONS TO MEET C.O.C.P. GUIDELINES.

3. ALL LANDSCAPING SHALL BE CONTINUOUSLY MAINTAINED AND REPLACED AS NECESSARY BY THE OWNER IN ACCORDANCE WITH THE CITY OF CEDAR PARK LAND DEVELOPMENT CODE. THIS MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZATION,

PRUNING, MOWING, EDGING, MULCHING OR OTHER NEEDED MAINTENANCE IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICES. 4. GARBAGE DUMPSTERS ARE REQUIRED TO BE SCREENED BY A MASONRY WALL 6' I HEIGHT. THE MASONRY WALL IS REQUIRED TO BE CONSTRUCTED OF THE SAME MATERIAL AS, OR VISUALLY COMPATIBLE WITH, THE PRIMARY STRUCTURE.

5. SHRUB AND TREE BEDS SHALL BE COVERED WITH A HARDWOOD BARK MULCH TO A DEPTH OF THREE (3") INCHES. 6. ALL PLANTING AREAS FOR REQUIRED LANDSCAPING SHALL CONTAIN A MINIMUM OF EIGHT (8') FEET OF SOIL AREA.

7. THIS PLAN IS FOR SUBMITTAL TO THE CITY OF CEDAR PARK TO COMPLY WITH THE LAND DEVELOPMENT CODE AND IS NOT INTENDED TO BE A CONTRACTOR'S BID DOCUMENT OR LANDSCAPE WORKING DRAWINGS.

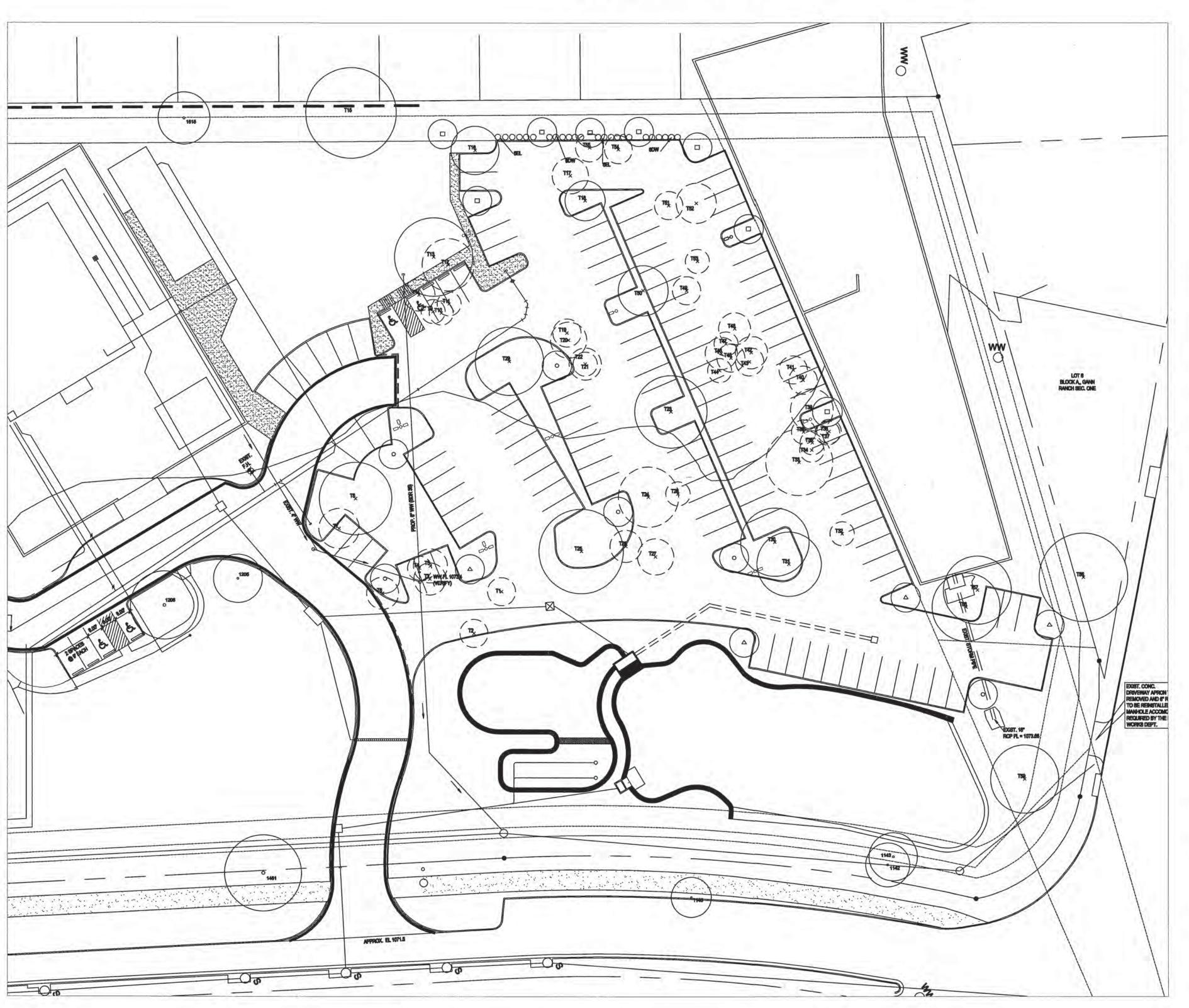
8. EXCEPT FOR FIRE HYDRANTS, ABOVE GROUND UTILITY FACILITIES SHALL BE SCREENED FROM VIEW ON ALL SIDES BE SCREENED FROM VIEW ON ALL SIDES BY EVERGREEN PLANTS THAT HAVE A MATURE HEIGHT AT LEAST EQUIAL TO THE HEIGHT OF THE FACILITY BEING SCREENED ( CHAPTER 12, SEC. 14A702).

THE OWNER SHALL BE RESPONSIBLE FOR

9. THE REPAIR OR REPLACEMENT OF REQUIRED LANDSCAPE STRUCTURES TO A STRUCTURALLY SOUND CONDITION.

10. THE REGULAR MAINTENANCE, REPAIR OR REPLACEMENT, WHERE NECESSARY OF ANY REQUIRED SCREENING OR BUFFERING. 11. ALL OPEN SPACE AREAS THAT ARE TO BE PRESERVED AS NATURAL PLANT COMMUNITIES SHALL BE TRIMMED, AT LEAST ONCE A YEAR OF ALL EXOTIC VEGETATION, LAWN GRASSES, TRASH OR OTHER DEBRIS. NATURAL AREAS SHOULD BE MULCHED

12. OUTDOOR MECHANICAL EQUIPMENT SUCH AS TRANSFORMERS, COMPRESSORS, UTILITY HUTS OR OTHER BUILDING SERVICE EQUIPMENT IS REQUIRED TO BE COMPLETELY SCREENED FROM VIEW ON ALL SIDES USING A PRIVACY FENCE OR VEGETATIVE SCREEN. IF MECHANICAL PRUNED AND OTHERWISE MAINTAINED SO THAT PLANTS ARE VIGOROUS.



CALCULATIONS FOR CEDAR PARK LANDSCAPE ORDINANCE STREET YARD TOTAL STREET YARD = N/A S.F. REQUIRED: N/A S.F. PROVIDED: N/A S.F. TREES IN STREET YARD TREES REQUIRED = N/A EXISTING TREES IN STREET YARD = N/A PROPOSED TREES = 12 + 0 EX. = 12SHADE TREES - REQUIRED 75% ( 9 ) OF 12 TOTAL SHADE TREES - ACHIEVED 100% ( 12 ) OF 12 TOTAL

2 SPECIES OF TREES REQUIRED

3 SPECIES OF TREES PROVIDED

5 GAL. SHRUBS REQUIRED = N/A 5 GAL. SHRUBS PROVIDED = N/A

PARKING ISLANDS

ST. YARD N/A S.F. REQ. - N/A S.F. PROVIDED 535 S.F. REQ. - > 800 S.F. PROVIDED

30 TREES ON SITE PHASE 3 = 100% ( 8" AND LARGER ) 15 TREES PROPOSED FOR REMOVAL 15 TREES SAVED = 50%

NO PROTECTED TREES REMOVED

PLANT LIST

ORDINANCE TREES ( 1" / TREE FOR MITIGATION )

# TREE / CALIPER IN. / HT.

3" CAL. LIVE OAK, 10' HT., MIN.

12 5 GAL. DWF. WAX MYRTLE, 36" O.C.

CITY OF CEDAR PARK IRRIGATION GUIDELINES

AUTOMATIC IRRIGATION SYSTEMS SHALL COMPLY WITH THE FOLLOWING GUIDELINES. THESE GUIDELINES (1-7) SHALL BE NOTED ON THE SITE DEVELOPMENT PERMIT AND SHALL BE IMPLEMENTED AS PART OF THE LANDSCAPE INSPECTION:

PRESSURE REGULATION COMPONENTS SHALL BE REQUIRED WHERE STATIC PRESSURE EXCEEDS THE MANUFACTURER'S RECOMMENDED OPERATION RANGE. 2. VALVE AND CIRCUITS SHALL BE SEPARATED BASED ON WATER USE, SO THAT TURF AREAS CAN BE WATERED SEPARATELY FROM SHRUB AND GROUND COVER AREAS. 3. SPRINKLER HEADS SHALL HAVE MATCHED PRECIPITATION RATES WITHIN EACH CONTROL VALVE CIRCUIT.

1. ADJUSTABLE FLOW CONTROLS SHALL BE REQUIRED ON CIRCUIT REMOTE CONTROL VALVES AND

4. SERVICEABLE CHECK VALVES SHALL BE REQUIRED WHERE ELEVATION DIFFERENTIAL MAY CAUSE LOW HEAD DRAINAGE, ADJACENT TO PAVING AREAS.

5. SPRINKLER HEAD SPACING SHALL BE DESIGNED FOR HEAD-TO-HEAD COVERAGE OR HEADS SHALL BE SPACED AS PER MANUFACTURER'S RECOMMENDATIONS AND ADJUSTED FOR PREVAILING WINDS. THE SYSTEM SHALL BE DESIGNED FOR MINIMUM RUN-OFF AND MINIMUM OVERSPRAY ONTO NON-IRRIGATED AREAS (I.E. PAVING, STRUCTURES). 6. ALL AUTOMATIC IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A CONTROLLER CAPABLE OF

DUAL OR MULTIPLE PROGRAMMING. CONTROLLERS SHALL HAVE MULTIPLE CYCLE START CAPACITY AND A FLEXIBLE CALENDAR PROGRAM, INCLUDING THE CAPABILITY OF BEING ABLE TO WATER EVERY FIVE DAYS. ALL IRRIGATION SYSTEMS SHALL BE EQUIPPED WITH A RAIN SENSOR SHUT-OFF DEVICE. 7. IRRIGATION CONSTRUCTION PLANS SHALL INCLUDE A WATER BUDGET. A LAMINATED COPY OF THE WATER BUDGET SHALL BE PERMANENTLY INSTALL INSIDE THE IRRIGATION CONTROLLER

DOOR. WATER BUDGET SHALL INCLUDE: A. ESTIMATE MONTHLY WATER USE (IN GALLONS PER APPLICATION) AND THE AREA (IN SQUARE FEET) IRRIGATED. B. PRECIPITATION RATES FOR WACH VALVE CIRCUIT. C. MONTHLY IRRIGATION SCHEDULE FOR THE PLANT ESTABLISHMENT PERIOD (FIRST THREE MONTHS) AND RECOMMENDED YEARLY WATERING SCHEDULE, INCLUDING SEASONAL ADJUSTMENTS.

D. LOCATION OF EMERGENCY IRRIGATION SYSTEM SHUT-OFF VALVE.

TREE LIST (6 inch survey) DESCRIPTION TAG NO. 7" LIVE OAK

R T2 7" LIVE OAK 8" LIVE OAK

6" LIVE OAK (M) 6",5" LIVE OAK 8" LIVE OAK 10" LIVE OAK

(M) 13",10" LIVE OAK 6" LIVE OAK R T9

6" LIVE OAK R T11 6" LIVE OAK R T12 (C) 6",10" LIVE OAK

(C) 8",8",8",7" LIVE OAK S T13 R T14 8" LIVE OAK (M) 16",13" LIVE OAK S T15P

S T16 12" LIVE OAK R T17 9" LIVE OAK 10" LIVE OAK

R T19 7" LIVE OAK 9" LIVE OAK R T21 8" LIVE OAK 6" LIVE OAK T22

S T23 (M) 13",10" LIVE OAK T24 15" LIVE OAK 21" LIVE OAK T25 P

R T26 8" LIVE OAK R T27 9" LIVE OAK

6" LIVE OAK 12",10" LIVE OAK S T30 P 17" LIVE OAK 16" LIVE OAK S T31 P R T32 6" LIVE OAK

(C) 7",7",6"LIVE OAK R T33 6" LIVE OAK R T35 6" LIVE OAK

> 6" LIVE OAK 7" LIVE OAK

> 8" LIVE OAK

6" LIVE OAK

8" LIVE OAK 7" LIVE OAK

7" LIVE OAK 10" LIVE OAK

6" LIVE OAK 7" LIVE OAK 7" LIVE OAK

22" LIVE OAK

17" LIVE OAK

17" LIVE OAK

(C) 12",10" LIVE OAK

(M)9",7" LIVE OAK

6" LIVE OAK R T37 6" LIVE OAK 6" LIVE OAK (C) 7",7"LIVE OAK

7" LIVE OAK R T40 R T41 7" LIVE OAK 8" LIVE OAK 8 3" CAL, CEDAR ELM, 10' HT., MIN. 7" LIVE OAK

T43

R T46

R T52

S T56 P

S T57 P

S T58 P

6 3" CAL. LACY OAK, 10' HT., MIN.

# SIZE/SHRUB/SPACING 12 5 GAL. ELAEAGNUS, 36" OC.

HYDROMULCH BERMUDA ON 4" OF TOPSOIL

PROPOSED REMOVAL CLUSTER OF TREES MULTI-TRUNK TREE

PROPOSED SAVED TREE PROTECTED TREE

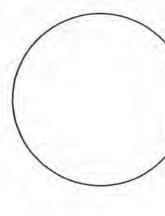
> APPROVED DEC 1 2 2016 RI PLANNING DEPT.

CITY OF CEDAR PARK

NOTE: ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ARCHITECT AND ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY RELY ON THE ADEQUACY OF THE WORK OF THE DESIGN ARCHITECT AND ENGINEER. 6/7/16, 8/25/16 9/26/16





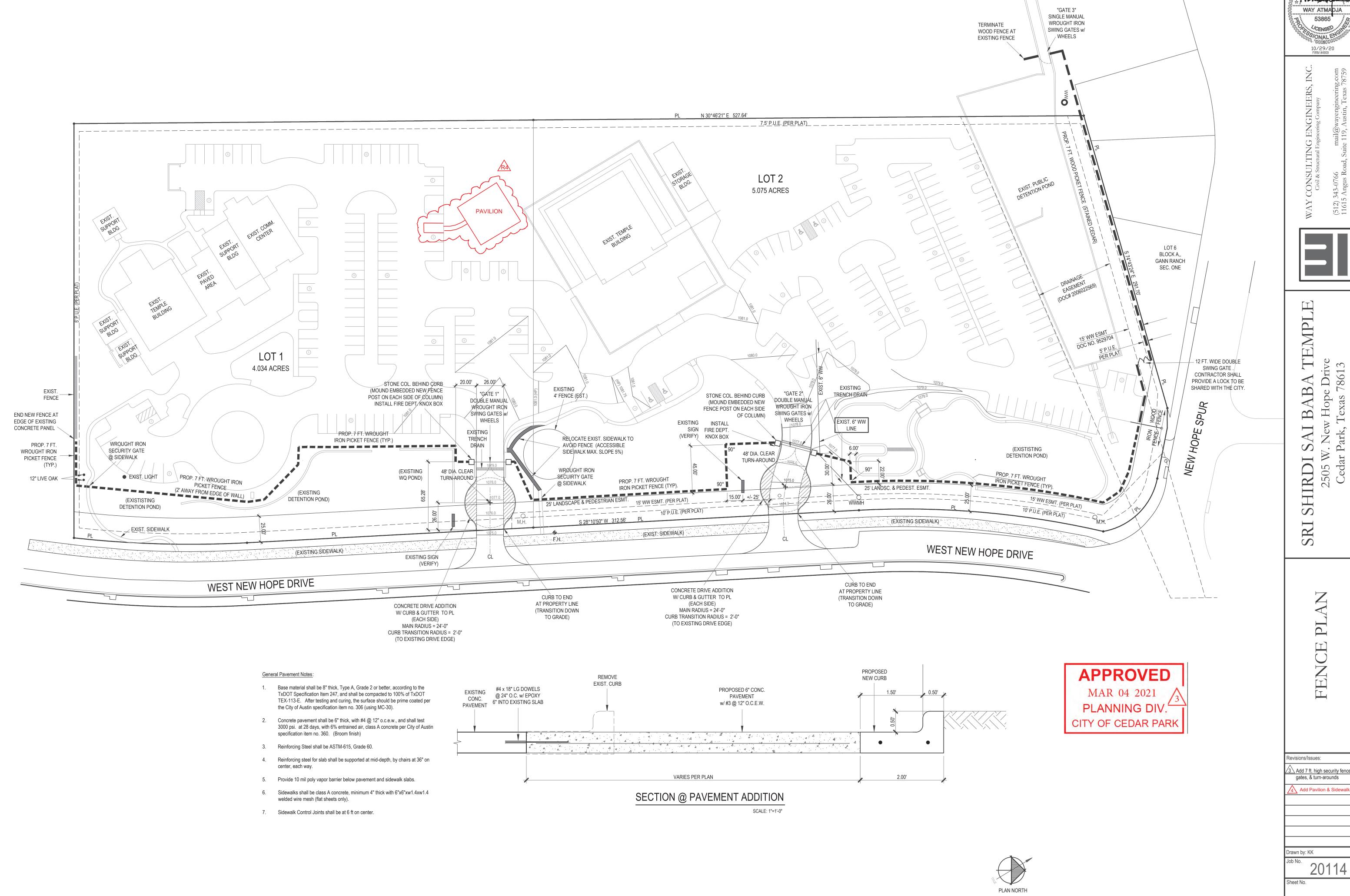




SHIRD

PROJECT No. DESIGN TD DRAWN TDB CAD FILE

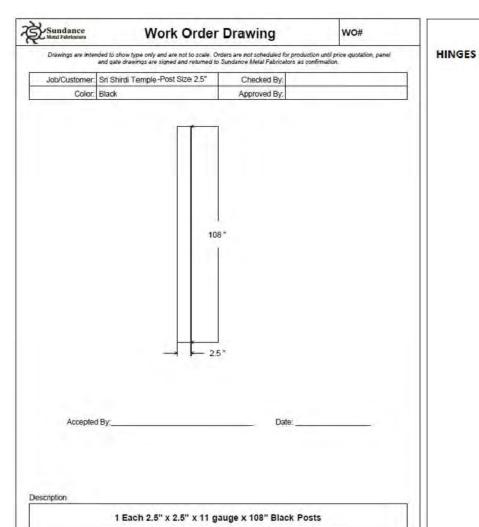
SHEET 22 OF 22



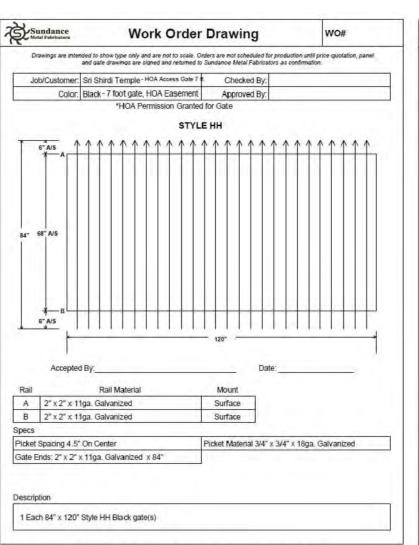


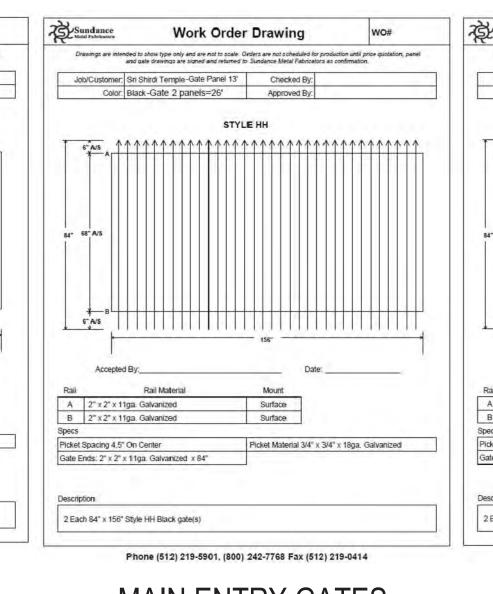
Add 7 ft. high security fence, Add Pavilion & Sidewalk

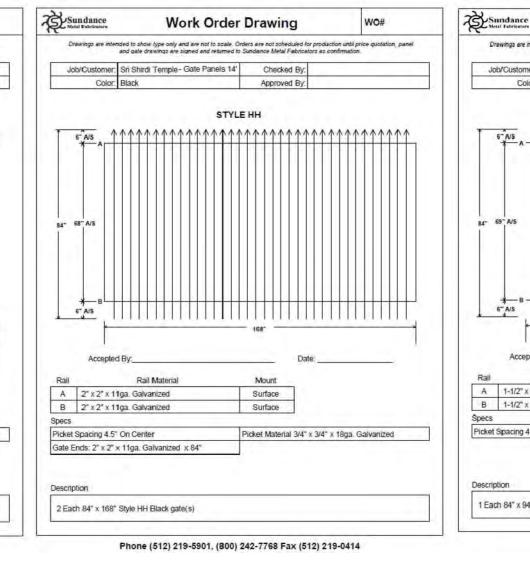
SD-16-00027 - REV. 3 - NEW SHEET

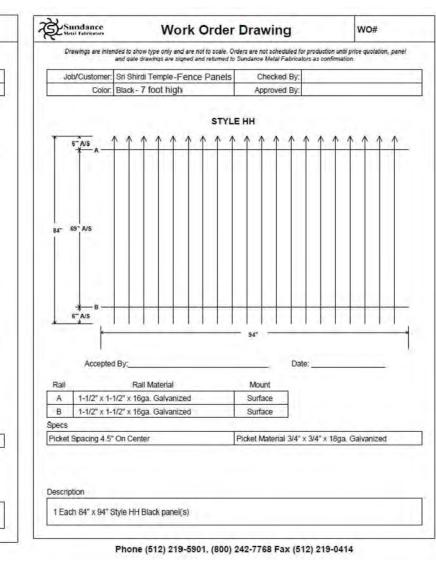












STD. FENCE POST

Phone (512) 219-5901, (800) 242-7768 Fax (512) 219-0414

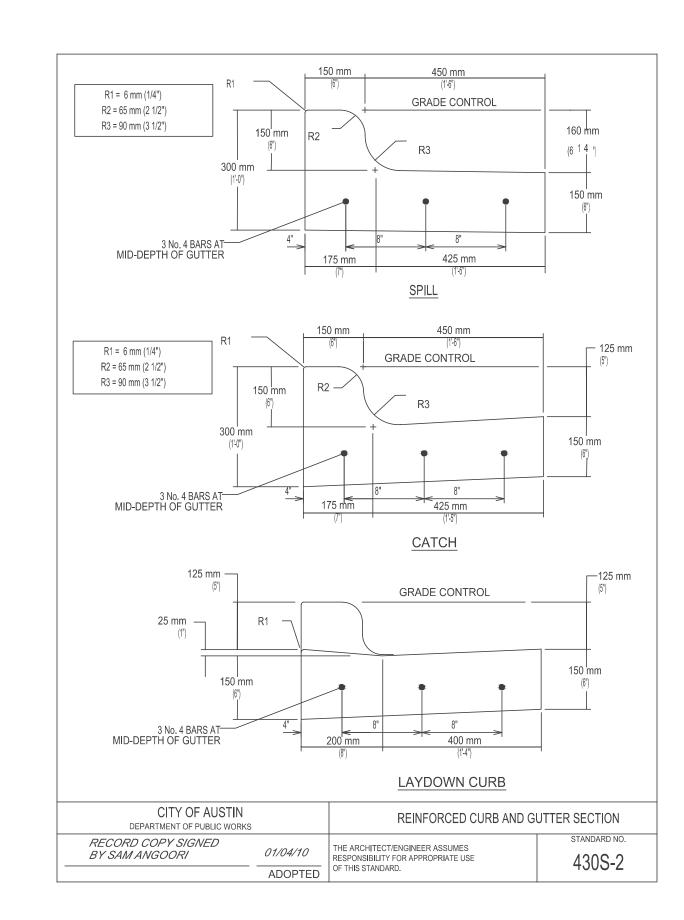
**GATE HINGES** 

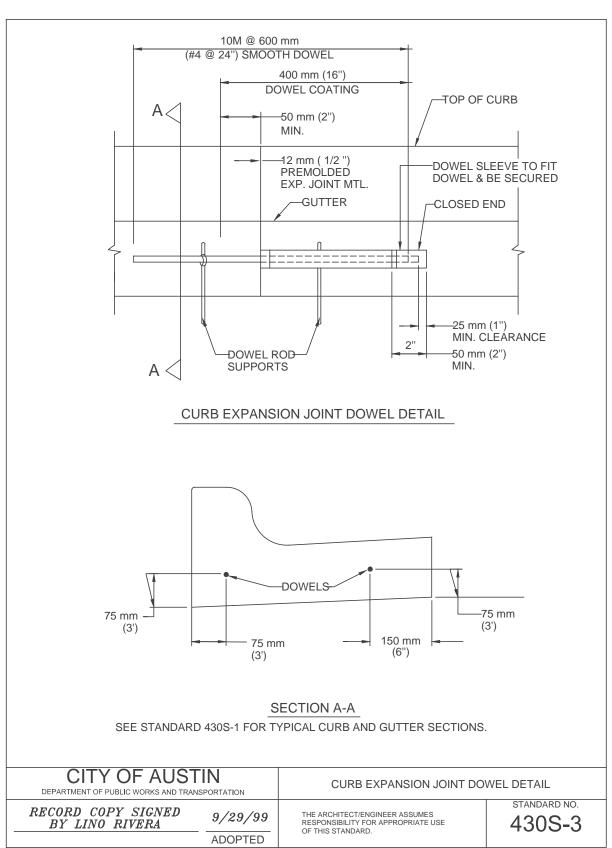
HOA 10 FT. GATE

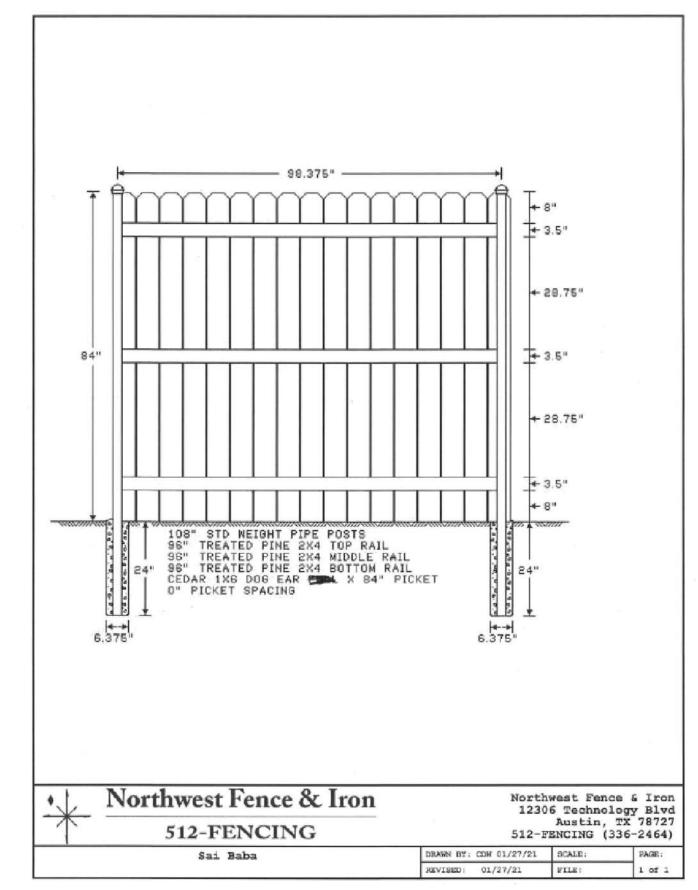
Phone (512) 219-5901, (800) 242-7768 Fax (512) 219-0414

MAIN ENTRY GATES

FENCE PANEL ELEVATON



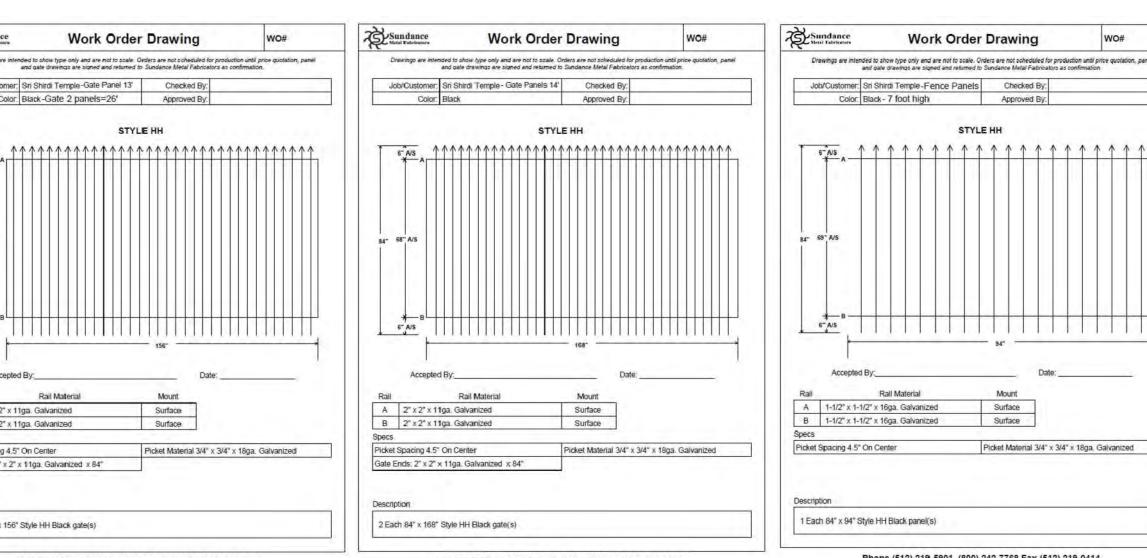




MAR 04 2021 PLANNING DIV. CITY OF CEDAR PARK STD WOOD FENCE

Revisions/Issues: Add 7 ft. high security fence, gates, & turn-arounds

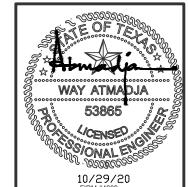
Drawn by: KK



TE HIRD 2505 Ceda S SR

20114

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Structural Engineering Company

Structural Engineering Company

Mail@wayengineering.com

Road, Suite 119, Austin, Texas 78759



TEMPLE ive

SRI SHIRDI SAI BABA TE 2505 W. New Hope Drive Cedar Park, Texas 78613

FIRE LANE PLAN (Revision #4)

Revisions/Issues:

Add 7 ft. high security fence, gates, & turn-arounds

Add 2300 sf Pavilion

gates, & turn-arounds

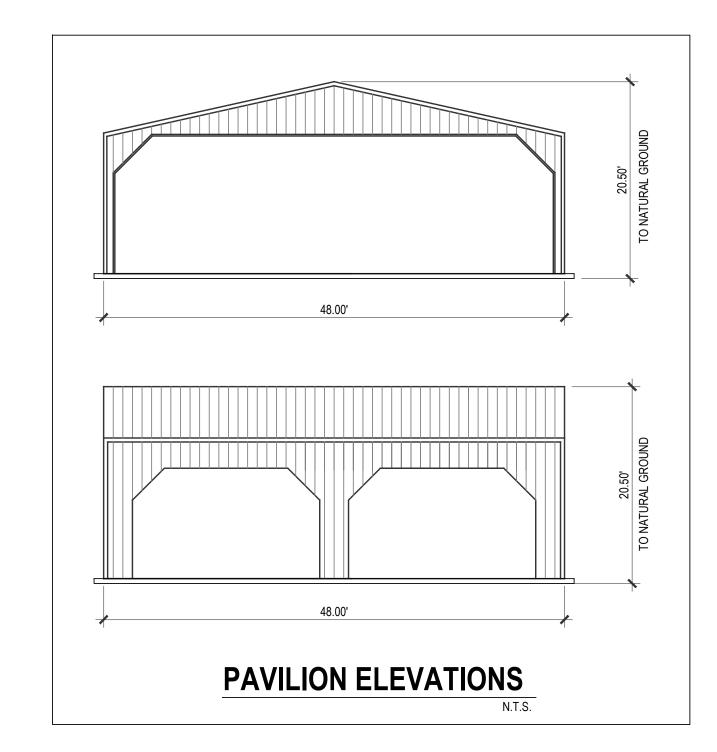
4 Add 2300 sf Pavilion

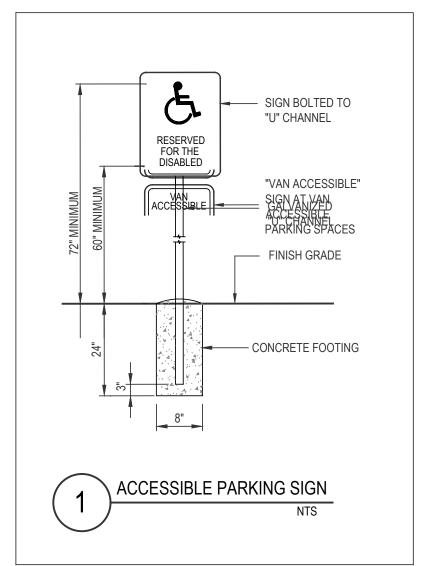
Drawn by: JJ
Job No.
20114

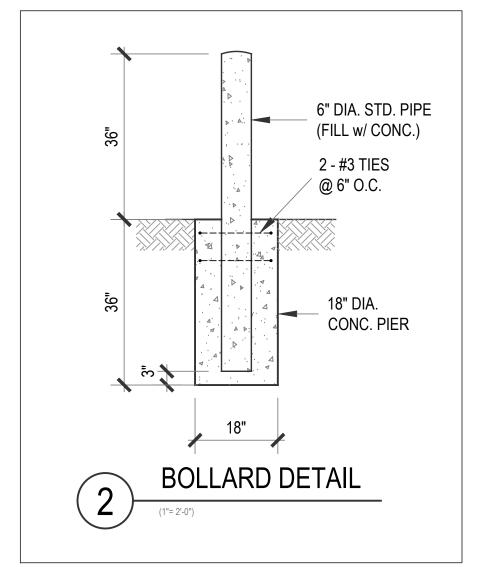
HEET | 25 of 27

REV. 4 - NEW SHEET SD-16-00027

PLAN NORTH







SEQUENCE OF CONSTRUCTION

delineated on the plan. No silt fence is needed agaist

1. Install Silt Fence along the Limits of Construction as

3. Remove vegetation and the required soil removal (per

structural plan) within the footprint of the slab and the

2. The L.O.C. area is approximately 4,400 SF

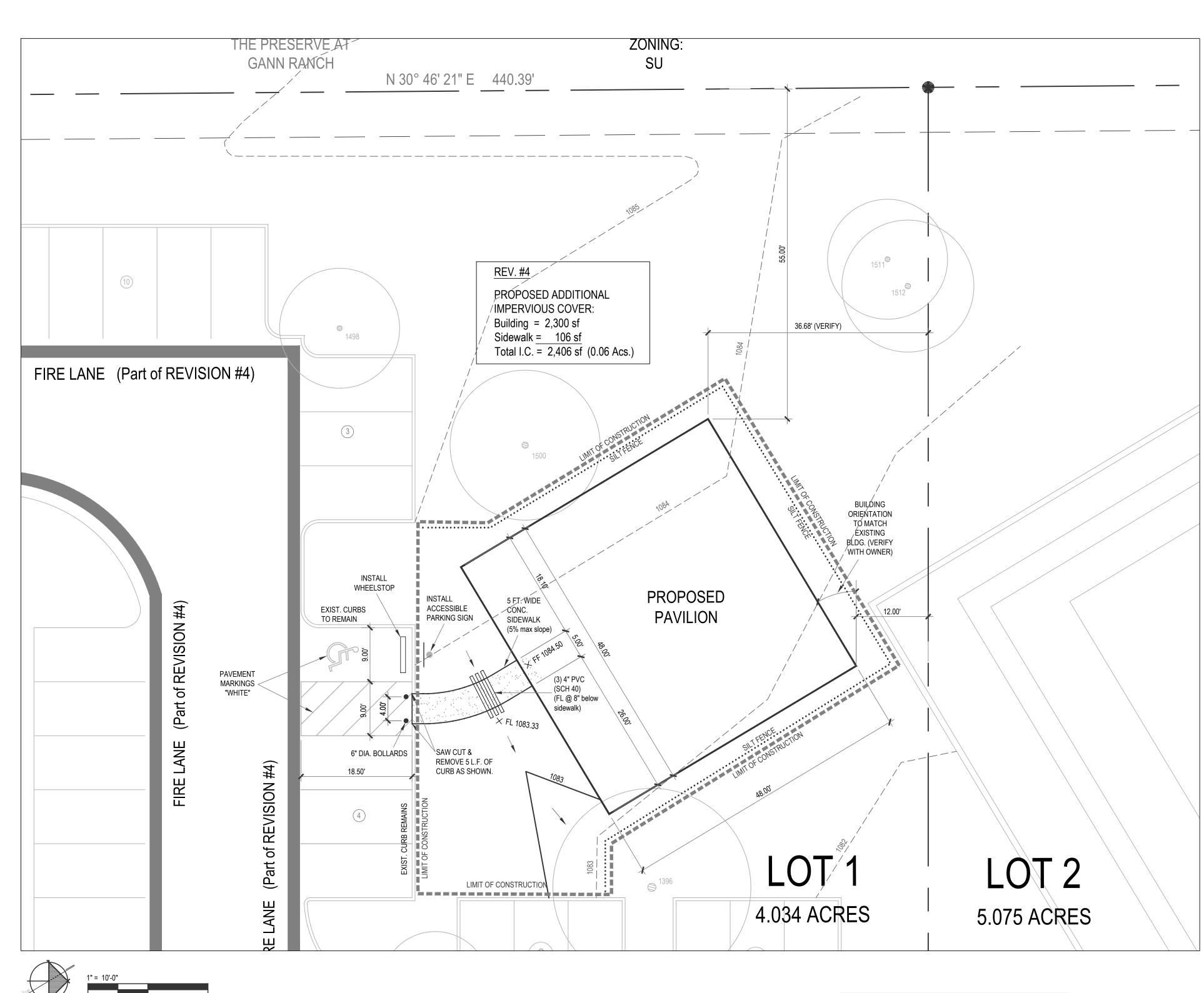
6. Minor final grading to assure positive drainage.

7. Install grass sod on all remaining disturbed areas

4. Begin the pavilion construction.

5. Begin the sidewalk construction.

the existing curb.



# GRADING NOTES (FOR ACCESSIBILITY):

- Accessible routes must have a cross-slope no greater than 1:48 (2.0%) (TAS 4.3.7)
- 2. Accessible routes without handrails (not a "ramp") must have a running-slope no greater than 1:20 (5.0%) (TAS 4.3.7)
- 3. Accessible routes with handrails ("ramp") must have a running-slope no greater than 1:12 (8.33%). The max. rise for any ramp is 30 inches. (TAS 4.8.2)
- 4. Accessible parking spaces and access aisles shall be level with surface slopes not exceeding 1:50 (2.0%) in all directions. (TAS 4.6.3)
- 5. Every accessible parking space must be identified by a sign, centered at the head of the parking space. The sign must include the international symbol of accessibility and state "RESERVED" or equivalent language. Characters and symbols on such signs must be located 60" minimum above the ground so that they cannot be obscured by a vehicle parked in the space. For van accessible space, add sign "Van-Accessible" mounted below the

symbol of accessibility.

Unless otherwise noted on the plans, elevation differences between the accessible routes and the final grades shall be transitioned or supported by either a sloped embankment no steeper than 3h:1v, stone rip-rap, or concrete retaining wall. These items shall be part of the Contractor's "Work" and no additional payment will be made.

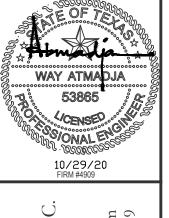
STORM RUNOFF SUMMARY per the originally approved plan	of 2009				
(Based on precipitation criteria before Atlas 14)				+10	Ι1
Per SD-08-00022, Revision #3, page C561:					
Drainage Area contributing to detention pond = 3.81 Acs.					
I.C. master plan considered for Det. Pond: 53.9% x 3.81 Acs = 2.	054 Acs.				
I.C. built before Rev #4 (Pavilion): 1.50 (by MWM)+ 0.39 (Rev #3	3) = 1.89 Ac	s. (49.6%)			
Impervious Cover area			1.89	Acres	
I.C. %			49.6	%	
CN			89		
I.A.			0	in.	
Lag Time			3.00	min.	
	I.C. %	2 yr	10 yr	25 yr	100 yr
Original master plan developed flow (Max allowable flow)	53.90%	9.10	18.30	23.60	32.20
As-built Existing flow to date (includes Rev. #3)	49.60%	9.00	18.20	23.40	32.10
Proposed Additional flow from Pavilion (Rev. #4) - (ATLAS14)	1.60%	0.10	0.10	0.00	0.00
Total developed flow after Rev. #4	51.20%	9.10	18.30	23.40	32.10

DRAINAGE AREA SU	DRAINAGE AREA SUMMARY (LOT 1)					
DRAINAGE AREA	AREA (Ac.)	IC				
P1 ALLOWED	3.81	53.90%				
P1 EXISTING	1.5	39.30%				
P1 (REV 3) - Bldg & Parking	0.39	7.80%				
P1 (REV 4) - Pavilion	0.06	1.60%				
P1 TOTAL	1.95	48.70%				

LOT 1

PARKING SUMMARY (LOT 1)           FIRST TEMPLE BLDG. SECOND BLDG (REV.#3)         AREA A,000 SF 1/100 1/						LUI	
FIRST TEMPLE BLDG. 4,000 SF 1/100 40 SECOND BLDG (REV.#3) 3,000 SF 1/100 30 Total Required 70  STANDARD COMPACT ACCESSIBLE TOTAL BICYCLE PROVIDED FOR FIRST BLDG. 89 0 4 93 4 PROVIDED FOR 2ND BLDG. (Rev#3) 29 0 0 29 0 PROVIDED FOR PAVILION (Rev#4) 0 0 1 1 1 0 REMOVED (Rev#3 and Rev#4) (11) 0 0 0 (11) 0 PARKING PROVIDED 5 112 4	PARKING SUMMARY (LOT 1)						
FIRST TEMPLE BLDG. 4,000 SF 1/100 40 30 Total Required 70  STANDARD COMPACT ACCESSIBLE TOTAL BICYCLE PROVIDED FOR FIRST BLDG. 89 0 4 93 4 PROVIDED FOR 2ND BLDG. (Rev#3) 29 0 0 29 0 PROVIDED FOR PAVILION (Rev#4) 0 0 1 1 1 0 REMOVED (Rev#3 and Rev#4) (11) 0 0 (11) 0 PARKING PROVIDED 5 112 4		ADEA					
SECOND BLDG (REV.#3)         3,000 SF Total Required         1/100 Total Required         30 Total Required         70           PROVIDED FOR FIRST BLDG.         89 0 4 93 4 PROVIDED FOR 2ND BLDG. (Rev#3) 29 0 0 29 0 PROVIDED FOR PAVILION (Rev#4) 0 0 1 1 1 0 PROVIDED FOR PAVILION (Rev#4) 0 0 0 1 1 0 PARKING PROVIDED 5 112 4         10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	FIDOT TEMPLE DLDO						
Total Required   70     Total Required   81   Total Required   81   Total Reverse   70   Total Required   70		•					
STANDARD         COMPACT         ACCESSIBLE         TOTAL         BICYCLE           PROVIDED FOR FIRST BLDG.         89         0         4         93         4           PROVIDED FOR 2ND BLDG. (Rev#3)         29         0         0         29         0           PROVIDED FOR PAVILION (Rev#4)         0         0         1         1         0           REMOVED (Rev#3 and Rev#4)         (11)         0         0         (11)         0           PARKING PROVIDED         5         112         4	SECOND BLDG (REV.#3)	•					
PROVIDED FOR FIRST BLDG.       89       0       4       93       4         PROVIDED FOR 2ND BLDG. (Rev#3)       29       0       0       29       0         PROVIDED FOR PAVILION (Rev#4)       0       0       1       1       0         REMOVED (Rev#3 and Rev#4)       (11)       0       0       (11)       0         PARKING PROVIDED       5       112       4		Total Required 70					
PROVIDED FOR FIRST BLDG.       89       0       4       93       4         PROVIDED FOR 2ND BLDG. (Rev#3)       29       0       0       29       0         PROVIDED FOR PAVILION (Rev#4)       0       0       1       1       0         REMOVED (Rev#3 and Rev#4)       (11)       0       0       (11)       0         PARKING PROVIDED       5       112       4							
PROVIDED FOR 2ND BLDG. (Rev#3)       29       0       0       29       0         PROVIDED FOR PAVILION (Rev#4)       0       0       1       1       0         REMOVED (Rev#3 and Rev#4)       (11)       0       0       (11)       0         PARKING PROVIDED       5       112       4		STANDARD	COMPACT	ACCESSIBLE	TOTAL	BICYCLE	
PROVIDED FOR PAVILION (Rev#4) 0 0 1 1 0  REMOVED (Rev#3 and Rev#4) (11) 0 0 (11) 0  PARKING PROVIDED 5 112 4	PROVIDED FOR FIRST BLDG.	89	0	4	93	4	
REMOVED (Rev#3 and Rev#4) (11) 0 0 (11) 0 PARKING PROVIDED 5 112 4	PROVIDED FOR 2ND BLDG. (Rev#3)	29	0	0	29	0	
PARKING PROVIDED 5 112 4	PROVIDED FOR PAVILION (Rev#4)	0	0	1	1	0	
	REMOVED (Rev#3 and Rev#4)	(11)	0	0	(11)	0	
PARKING SURPLUS 42	,	PAR	(ING PROVIDED	5	112	4	
		PARK	(ING SURPLUS		42		

**SD-16-00027 - REV. 4 - NEW SHEET** 



tural Engineering Company

mail@wayengineering.com

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WAY CONSULTING ENGINE
Civil & Structural Engineering Comparing (512) 343-0766 mail@wayengir



TEMPLE rive

SRI SHIRDI SAI BABA 7 2505 W. New Hope Driv Cedar Park, Texas 78613

> JAVILION IMENSION Revision #4)

Revisions/Issues:

Add 7 ft. high security fence, gates, & turn-arounds

Add 2300 sf Pavilion

Drawn by: JJ Job No.

201 Sheet No.

26 of 27

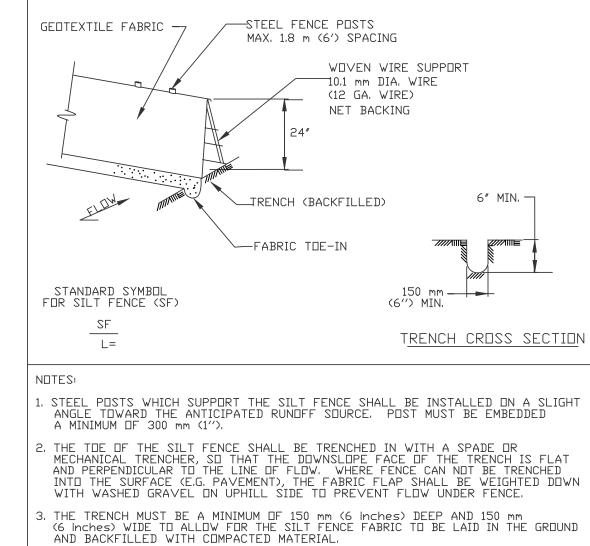
## **GENERAL NOTES**

3/15/2013

- 1. Contractor shall thoroughly review these plans, and all related construction documents to verify and coordinate dimensions, locations, elevations, flow lines, placement, and applicability of construction components as well as their relationship to each other and to the existing conditions.
- 2. Any discrepancies, conflicts, and omissions that are critical to the bid, shall be addressed by the Contractor prior to his/her bid, or included in the bid as a proposal for solutions and changes to deliver a complete project. Any changes and additional works required to clarify discrepancies, conflicts, and omissions that are not identified with the bid are considered non-critical to the bid, and shall be completed at no additional cost to the Owner.
- 3. Contractor shall make a detailed site visit and shall immediately bring any inconsistencies, site layout problems, or other requests for clarification to the Engineer for resolution, prior to bid submittal.
- 4. Contractor shall be competent and experienced in the type of construction used and have full knowledge of construction methods and procedures. Contractors shall coordinate all trades to provide a complete working system.
- 5. These drawings, in general, are diagrammatic, and not intended to be used as a manual. Fabrication, construction methods, and placement shall comply with standard construction practices, and applicable local codes(s). In the absence of a local code, the International Building Code (latest edition) shall apply.
- 6. The exact locations of structures and improvements shown on Engineer's plans are based on the Architectural site plan and/or Owner's plan. The Architect and the Contractor are responsible for verifying all site restrictions, such as building setbacks, restrictive covenants, property lines, and Homeowners' Association limitations.
- 7. Building waterproofing, moisture control, and French drain are by the Architect and the Contractor.
- 8. Job site safety conditions, including, but not limited to lateral bracing, lateral stability, slope stability, barricades, and signage.

## GRADING NOTES (For Accessibility)

- 1. Accessible routes must have a cross-slope no greater than 1:48 (2.0%) (TAS 4.3.7)
- 2. Accessible routes without handrails (not a "ramp") must have a running-slope no greater than 1:20 (5.0%)
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6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

'. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches), THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION, CITY OF AUSTIN SILT FENCE

WATERSHED PROTECTION DEPARTMENT RECORD COPY SIGNED STANDARD NO. 5/23/00 THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE ADOPTED OF THIS STANDARD.

#### **Texas Commission on Environmental Quality Contributing Zone Plan General Construction Notes**

Edwards Aquifer Protection Program Construction Notes – Legal Disclaimer

The following/listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following/listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes," is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following/listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation

- 1. A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any ground disturbance or construction activities. This notice must include:
  - the name of the approved project;
  - the activity start date; and
  - the contact information of the prime contractor.
- All contractors conducting regulated activities associated with this project should be provided with complete copies of the approved Contributing Zone Plan (CZP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractor(s) should keep copies of the approved plan and approval letter on-
- No hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
- Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
- Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features,
- Sediment must be removed from the sediment traps or sedimentation basins when it occupies 50% of the basin's design capacity.
- Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- 8. All excavated material that will be stored on-site must have proper E&S controls. 9. If portions of the site will have a cease in construction activity lasting longer than 14 days, soil

TCEQ-0592A (Rev. July 15, 2015)

stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.

- 10. The following records should be maintained and made available to the TCEQ upon request: - 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.
- 11. The holder of any approved CZP must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
  - A. any physical or operational modification of any best management practices (BMPs) or structure(s), including but not limited to temporary or permanent ponds, dams, berms, silt fences, and diversionary structures;
  - any change in the nature or character of the regulated activity from that which was originally approved;
  - any change that would significantly impact the ability to prevent pollution of the Edwards Aquifer; or
  - any development of land previously identified as undeveloped in the approved contributing zone plan.

Austin Regional Office 12100 Park 35 Circle, Building A Austin, Texas 78753-1808 Phone (512) 339-2929

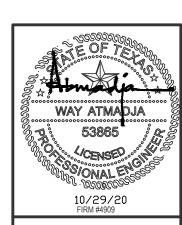
14250 Judson Road San Antonio, Texas 78233-4480 Phone (210) 490-3096 Fax (512) 339-3795 Fax (210) 545-4329

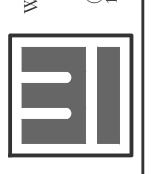
San Antonio Regional Office

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

Page 2 of 2 TCEQ-0592A (Rev. July 15, 2015)

**SD-16-00027 - REV. 4 - NEW SHEET** 





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(Revision

Revisions/Issues:  $\sqrt[4]{3}$  Add 7 ft. high security fence, gates, & turn-arounds 4 Add 2300 sf Pavilion

rawn by: JJ