



February 7, 2002

Mr. Stuart Goldsmith  
VCP Project Manager  
MC-221  
P.O. Box 13087  
Austin, TX 78711-3087

RECEIVED  
FEB 11 2002  
VOLUNTARY CLEANUP SECTION

RE: VCP ID No.: 1389  
Responsible Party: Jimmy Kim  
Facility Name: Bell Dry Cleaners  
Facility Address: 11600 Jones Road  
Facility City: Houston  
Facility County: Harris

Dear Mr. Goldsmith:

This letter is to update you on the results of the most recent site assessment for the referenced site. The following is an outline of the activities Geo-Tech Environmental, Inc. (Geo-Tech) has completed. Please review this letter and give us your professional opinion about the assessment activity.

In November of 2001, Geo-Tech completed a Limited Site Assessment, a total of three permanent monitoring wells and two borings were advanced (see Site Diagram). Laboratory samples were collected for both soil and groundwater. After reviewing the result of this initial sampling program three more monitor wells were installed (MW4, MW5, and MW6) and one additional boring was advanced inside the dry cleaners on January 4, 2001. Samples were collected for both soil and groundwater. The assessment involves a supplemental source area evaluation. The goal of the assessment was to collect sufficient data which when combined with the previous data collected would help delineate the contamination plume.

The soil sample taken from inside the dry cleaners (IB1-2) had only one chemical of concern (COC) detected (Trichloroethene) however, it was below Texas Risk Reduction Program (TRRP) Limits. Soil samples taken from Monitoring Well Six (MW6, down dip well) at depths of 25 and 35 feet detected Trichloroethene above TRRP (see Summary of Soil Analysis Results).

Groundwater sample results indicated three COC (Vinyl Chloride CC, Trichloroethene, Tetrachloroethene) above TRRP Limits in the MW6. Monitoring Well Four (MW4) had detectable levels of Vinyl Chloride CC above TRRP Levels. Monitoring Well Five (MW5) results were below Practical Quantitative Levels (PQL) for all COC. Groundwater gradient still appears to be flowing to the southwest.

Groundwater samples were also collected from the previous wells (MW1, MW2, and MW3) and the results indicate four chemicals of concern (Vinyl Chloride CC, cis-1,2-Dichloroethene, Trichloroethene, and Tetrachloroethene) above TRRP limits in all three wells. Trans-1,2-Dichloroethene was also detected in MW1 but below TRRP limits. In fact, in all but one case, the levels detected in wells 1-3 were higher than those detected in the first monitoring event. MW1 groundwater sample results went down for Tetrachloroethene but was still well above TRRP limits (see Summary of Groundwater Analysis Results).

Geo-Tech Environmental, Inc.  
Project No. 01281

Bell Dry Cleaners  
11600 Jones Road, Houston, TX 77070

As to the goal of this assessment it appears that the plume has only been defined to the east and possibly with some time to the north. MW1 is still shows the highest levels but they drop off sharply down dip to MW6. Again with time MW6 may prove to be the southern most limit.

The current assessment did not delineate the plume to the west. Just to the west of MW2 there is a utility easement, a drainage ditch and then Jones Road. It is possible that excavation for the road and the utility corridor has created an artificial pathway for contamination along Jones Road.

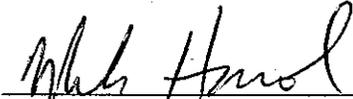
Further work to be considered would include the installation of one to three more monitoring wells. The possible locations for these are indicated on the attached diagram. It may, however, be desirable to wait for another monitoring event to see if the present wells start to stabilize and if MW4 and MW6 drop below TRRP limits.

We would appreciate you reviewing the work conducted to date and provide us with your opinions and guidance toward future activities.

Please contact me (281) 835-9500 if you have any questions regarding this update. Thank you for your assistance in this matter.

Sincerely,

**GEO-TECH ENVIRONMENTAL, INC.**



Michael T. Harol  
Vice-President  
CAPM 00427

# SUMMARY OF SOIL ANALYTICAL RESULTS

Sample ID	Date	Depth	Chemicals of Concern	
			VOC's	Tetrachloroethene
TRRP Levels	NA	NA	Multiple	0.050
MW1-3	11/2/01	3	< PQL	< 0.025
MW1-15	11/2/01	1	< PQL	< 0.025
MW1-22.5	11/2/01	22.5	see notes	0.055
MW2-3	11/2/01	3	< PQL	< 0.025
MW2-13	11/2/01	13	< PQL	< 0.025
MW2-25	11/2/01	25	see notes	0.057
MW2-35	11/2/01	35	< PQL	< 0.025
MW3-3	11/2/01	3	< PQL	< 0.025
MW3-12	11/2/01	12	< PQL	< 0.025
MW3-25	11/2/01	25	< PQL	< 0.025
MW3-35	11/2/01	35	< PQL	< 0.025
B1-5	11/2/01	5	see notes	0.126
B1-15	11/2/01	5	see notes	0.351
B2-5	11/2/01	5	see notes	0.071
B2-15	11/2/01	15	see notes	0.359
MW4-3	01/04/02	3	< PQL	< PQL
MW4-24	01/04/02	24	< PQL	< PQL
MW4-35	01/04/02	35	< PQL	< PQL
MW5-2	01/04/02	2	< PQL	< PQL
MW5-25	01/04/02	25	< PQL	< PQL
MW5-35	01/04/02	35	< PQL	< PQL
MW6-3	01/04/02	3	< PQL	< PQL
MW6-25	01/04/02	25	See Notes	0.088
MW6-35	01/04/02	35	See Notes	0.081
IB1-2	01/04/02	2	See Notes	0.047

TRRP guidelines for the Tier I Residential PCLs protective of groundwater for a 0.5 source area. (<sup>GW</sup>/(L<sub>inh</sub>)).

VOC's were tested on all soil samples, all results unless listed in the table were below Laboratory Practical Quantitation Levels (PQL).

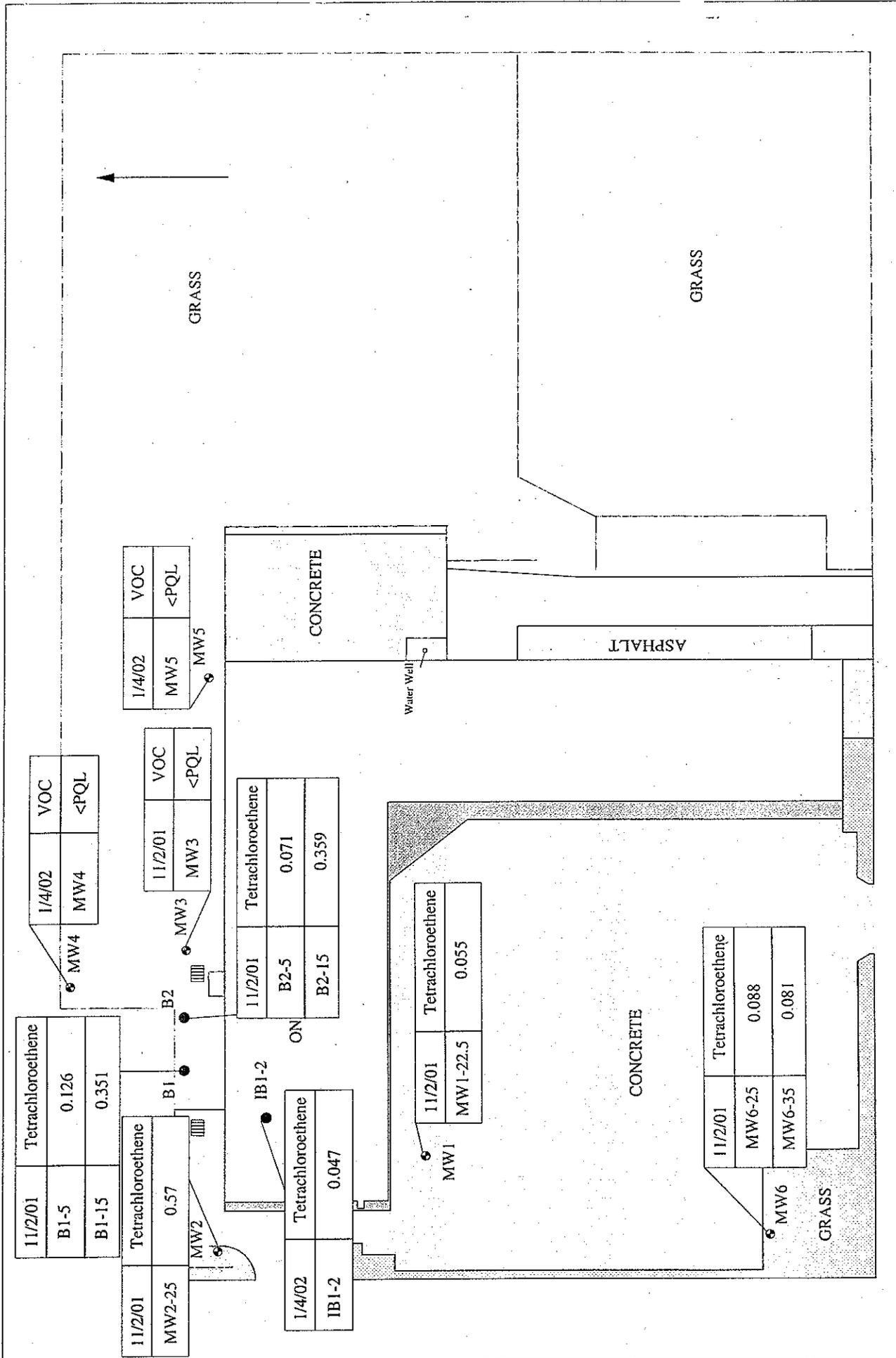
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Sample ID	Date	Chemicals of Concern							
		VOC's	Tetrachloroethene	Trichloroethene	Vinyl Chloride, CC	cis-1,2-Dichloroethane	trans-1,2-Dichloroethane		
IRRP Levels	NA	Multiple	0.005	0.005	0.002	0.070	0.100		
MW1	11/7/01	see notes	13.466	1.519	0.163	2.017	0.014		
MW2	11/7/01	see notes	0.057	0.009	<0.005	<0.005	0.015		
MW3	11/7/01	see notes	0.021	<0.005	0.013	0.032	<0.005		
MW1	01/10/02	see notes	10.496	3.057	0.438	7.409	0.069		
MW2	01/10/02	see notes	0.183	0.074	0.010	0.164	<PQL		
MW3	01/10/02	see notes	0.018	0.016	0.011	0.300	<PQL		
MW4	01/10/02	see notes	0.005	<PQL	0.163	<PQL	<PQL		
MW5	01/10/02	see notes	<PQL	<PQL	<PQL	<PQL	<PQL		
MW6	01/10/02	see notes	0.535	0.011	0.018	0.014	<PQL		

Notes:

TRRP guidelines for the Tier 1 Residential PCLs protective of groundwater for a 0.5 source area. (C<sub>GW</sub>(W<sub>ing</sub>)).

VOC's were tested on all groundwater samples, all results unless listed in the table were below Laboratory Practical Quantitation Levels (PQL).



APPROXIMATE SCALE:  
1" = 60'

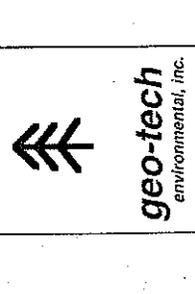
LEGEND

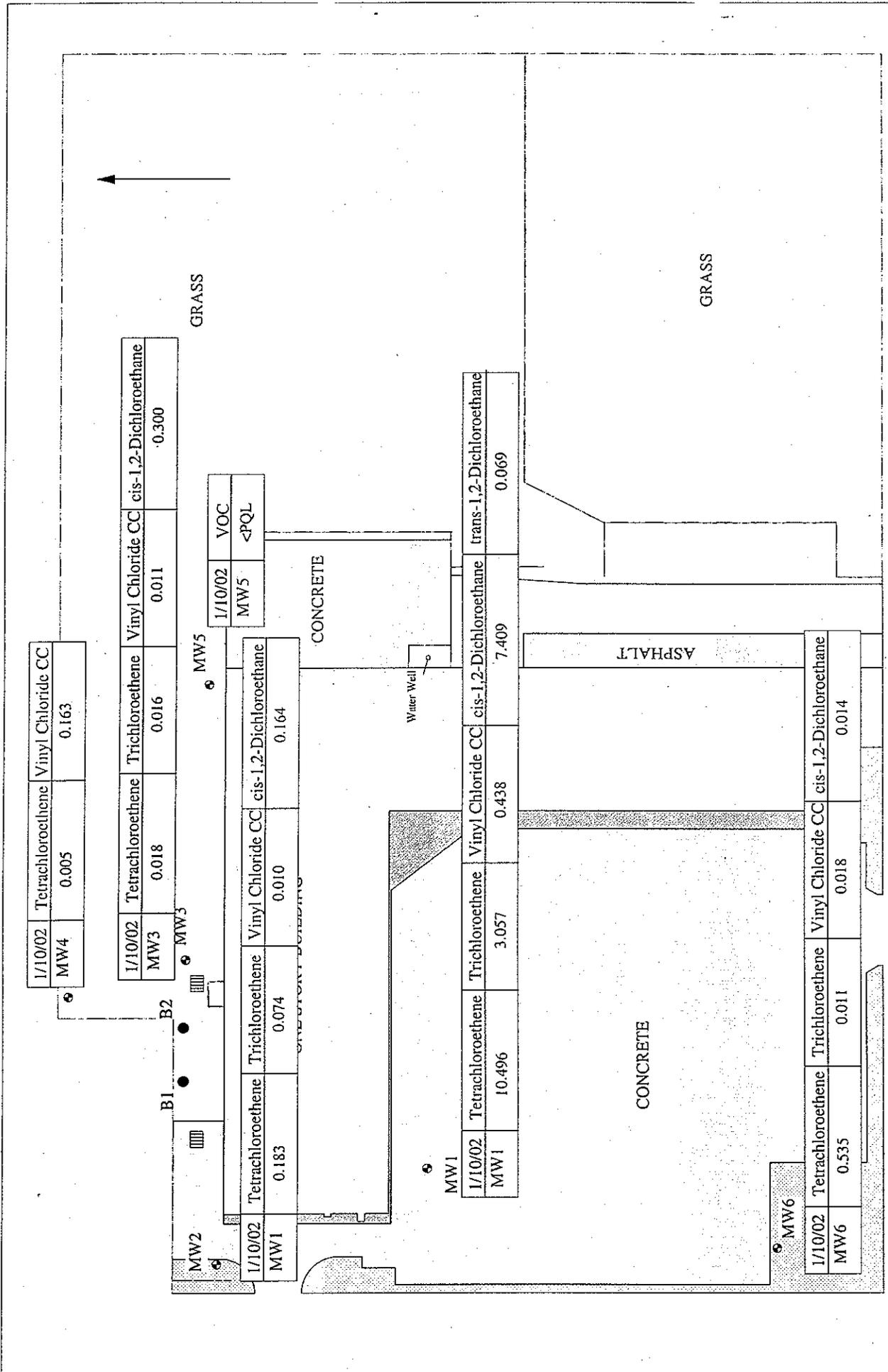
- SOIL BORING
- ⊙ MONITOR WELL

SOIL CONTAMINATION  
DIAGRAM

Date: 11/14/01  
Drawn by: LAD

PROJECT No. 01249  
Bell Dry Cleaners  
11600 Jones Road  
Houston, TX 77070





**PROJECT No. 01249**  
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**GROUNDWATER**  
**CONTAMINATION DIAGRAM**

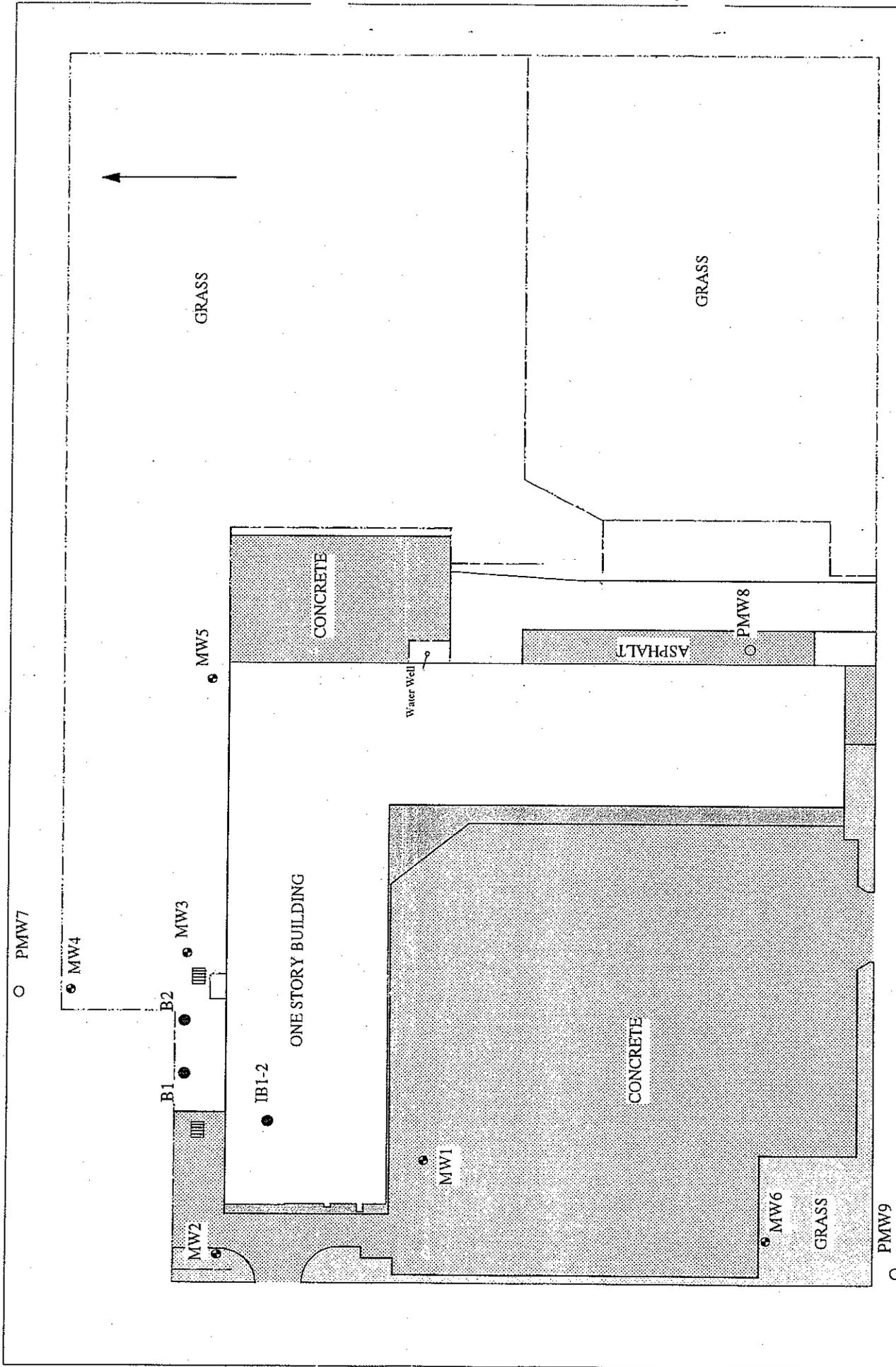
Date: 11/14/01  
 Drawn by: LAD

**LEGEND**  
 ● SOIL BORING  
 ○ MONITOR WELL

**APPROXIMATE SCALE:**  
 1" = 60'

0 30 60'

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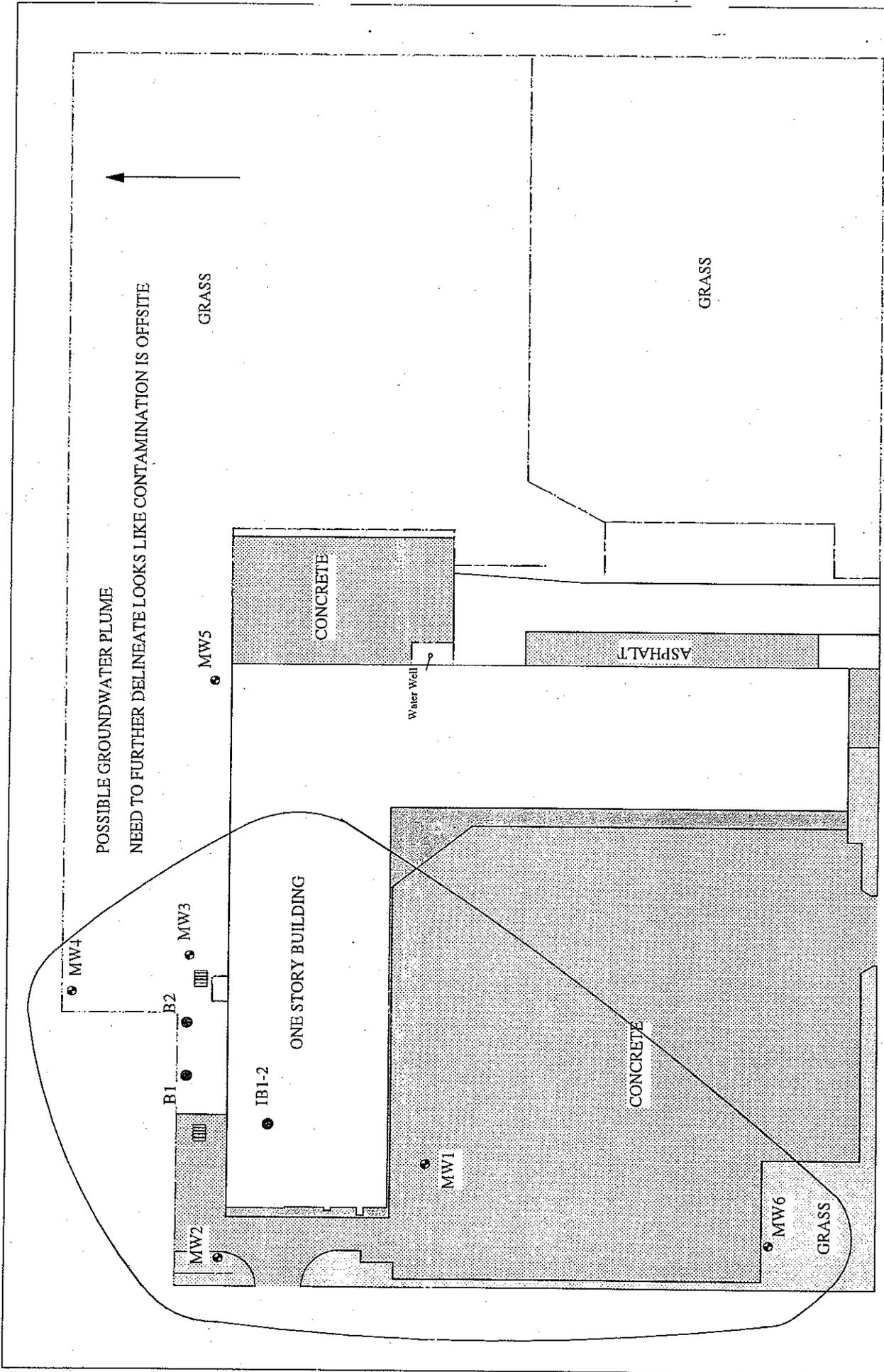
LEGEND

- SOIL BORING
- MONITOR WELL

SITE DIAGRAM	
Proposed Monitoring Wells	
Date:	11/14/01
Drawn by:	LAD

PROJECT No. 01249  
**Bell Dry Cleaners**  
 11600 Jones Road  
 Houston, TX 77070

APPROXIMATE SCALE:  
 1" = 60'



**LÉGEND**

- SOIL BORING
- MONITOR WELL



**SITE DIAGRAM**

Groundwater Plume

Date:	11/14/01
Drawn by:	LAD

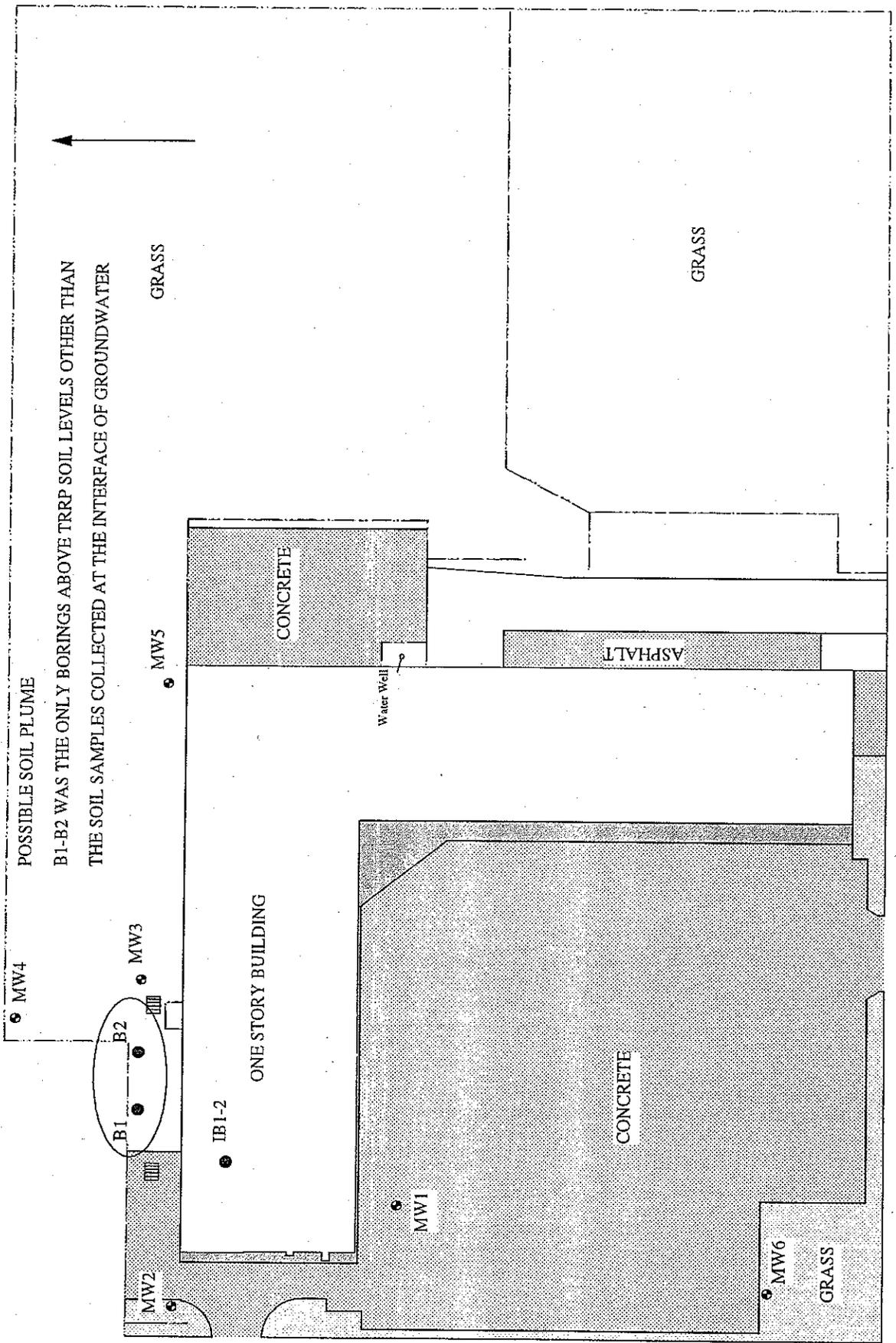
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POSSIBLE SOIL PLUME  
 B1-B2 WAS THE ONLY BORINGS ABOVE TRRP SOIL LEVELS OTHER THAN  
 THE SOIL SAMPLES COLLECTED AT THE INTERFACE OF GROUNDWATER



APPROXIMATE SCALE:  
 1" = 60'

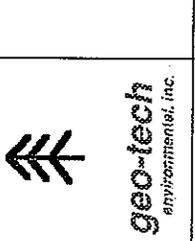
LEGEND

- SOIL BORING
- MONITOR WELL

SITE DIAGRAM  
 SOIL PLUME

Date:	11/14/01
Drawn by:	LAD

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SITE DIAGRAM

GW Gradient 1/10/02

Date: 11/14/01

Drawn by: LAD

LEGEND

- SOIL BORING
- MONITOR WELL

APPROXIMATE SCALE:

1" = 60'

