

LOG OF BORING MW-15

PROJECT

PJ's CLEANERS

SITE

2470 EAST TROPICANA AVENUE

CLIENT

TROPICANA EAST SHOPPING CENTER PHASE I

GRAPHIC LOG	EASTING		NORTHING		WELL DETAILS	DEPTH (ft)	SAMPLES				TESTS		
	STATION		OFFSET				USCS SYMBOL	SAMPLE No.	SAMPLE TYPE	RECOVERY (inch)	BLOW COUNT (blows/ft)	FIELD VAPOR TEST (PPM)	NOTES
	APPROXIMATE SURFACE ELEVATION (ft)												
	DEPTH (ft)	DESCRIPTION	ELEVATION (ft)										
0.3	3" ASPHALT				AC								
	FILL - Silty Gravel With Some Sand, Light Brown, Damp, Fine to Coarse Grained, Subrounded to Subangular				FILL								
1.5					FILL								
	FILL - Silty Sand, Light Brown, Damp, Fine to Medium Grained, Subrounded to Subangular				FILL								
2.5					FILL								
	FILL - Clayey Sand Trace Asphalt Debris, PCE Odor, Brown, Damp, Fine to Medium Grained, Subrounded to Subangular					1	SS	18	13	25.0			
4.5					SC								
	CLAYEY SAND - Brown, Damp, Medium Dense, Fine to Medium Grained, Subrounded to Subangular												
	- Partially Cemented, Light Brown, Very Dense												
	- Trace Gravel												
	- Occasional Cemented Lense												
10.0					CGS								
	CEMENTED SAND AND GRAVEL - Light Brown, Dry, Moderately Strong												
12.0					GC								
	CLAYEY GRAVEL WITH SOME SAND - Gray, Wet, Medium Dense, Fine to Coarse Grained, Subrounded to Subangular												
14.0					SC								
	CLAYEY SAND - Gray, Wet, Medium Dense, Fine to Coarse Grained, Subrounded to Subangular												

Continued Next Page

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The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

SAMPLE TYPES: RS = Ring BS = Bag CPT = Cone Penetration Test
SPT = Standard Penetration Test C = Core ST = Shelby Tube

WATER LEVEL OBSERVATIONS, ft

WL DEPTH ∇	10.5	05-02-2012
WL DEPTH ∇		
NOTES		



BORING STARTED		05-02-2012	
BORING COMPLETED		05-02-2012	
RIG	Diedrich D120	GEOLOGIST / ENGINEER	REE
PROJECT No.	64097025	PLATE	A-17

LOG OF BORING MW-15

PROJECT *PJ's CLEANERS*

SITE *2470 EAST TROPICANA AVENUE* **CLIENT** *TROPICANA EAST SHOPPING CENTER PHASE I*

GRAPHIC LOG	EASTING		NORTHING		WELL DETAILS	DEPTH (ft)	SAMPLES				TESTS		
	STATION		OFFSET				USCS SYMBOL	SAMPLE No.	SAMPLE TYPE	RECOVERY (inch)	BLOW COUNT (blows/ft)	FIELD VAPOR TEST (PPM)	NOTES
	APPROXIMATE SURFACE ELEVATION (ft)												
	DEPTH (ft)	DESCRIPTION	ELEVATION (ft)										
16.5	SANDY CLAY - Reddish Brown, Medium Plasticity, Wet, Stiff		18.0		CL								
18.0					FAT CLAY WITH TRACE CALCAREOUS GRAVEL - Reddish Brown, High Plasticity, Wet, Stiff		20.0		CH				
20.0	<i>Bottom Depth at Approximately 20 feet</i>								20				

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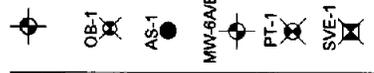
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SAMPLE TYPES: RS = Ring BS = Bag CPT = Cone Penetration Test
SPT = Standard Penetration Test C = Core ST = Shelby Tube

WATER LEVEL OBSERVATIONS, ft			BORING STARTED	
WL DEPTH ∇	10.5	05-02-2012	05-02-2012	
WL DEPTH ∇			RIG <i>Diedrich D120</i>	GEOLOGIST / ENGINEER <i>REE</i>
NOTES			PROJECT No. 64097025	PLATE <i>A-18</i>

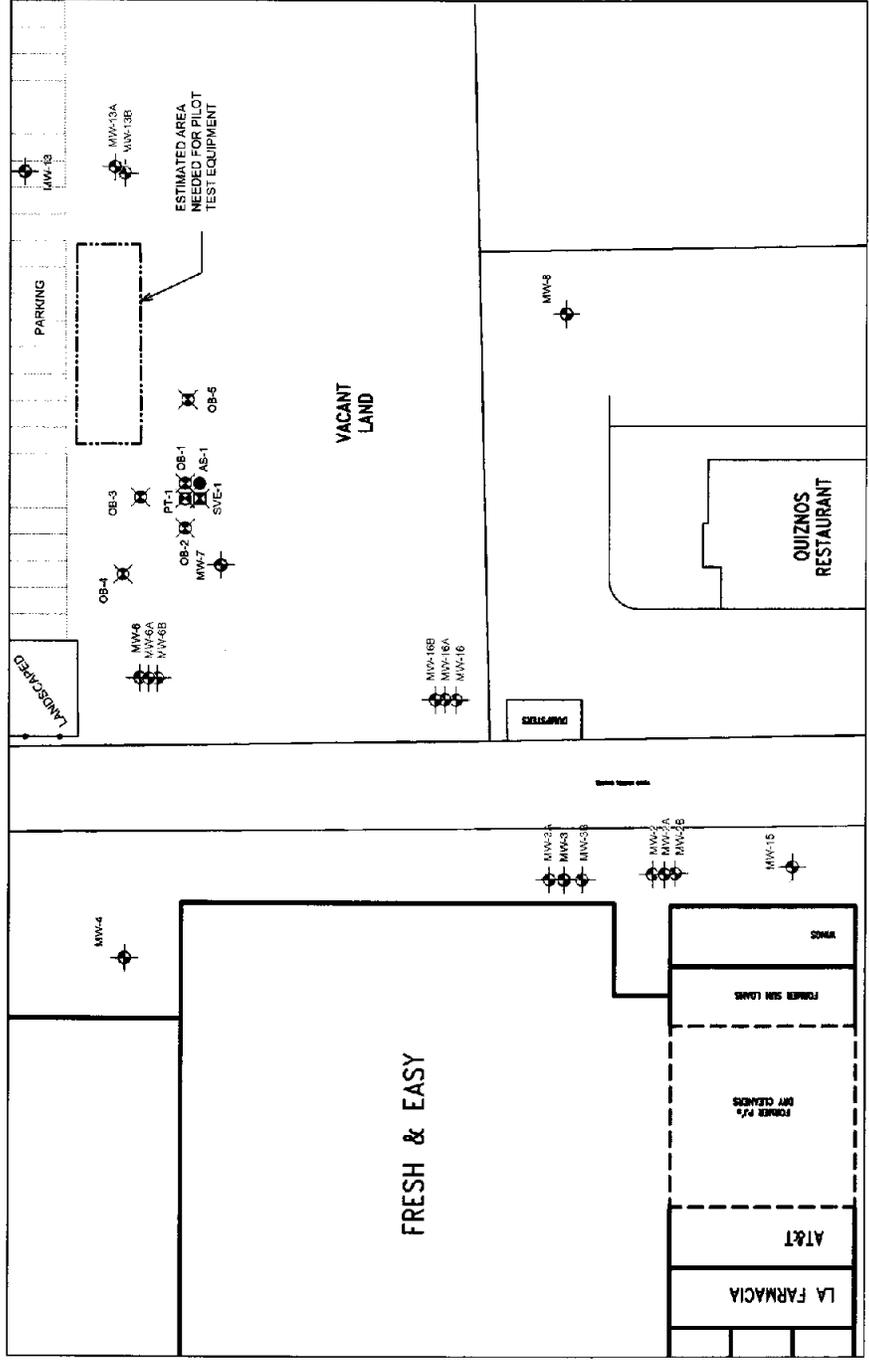
- LEGEND**
- APPROXIMATE EXISTING GROUNDWATER MONITORING WELL LOCATION
 - APPROXIMATE PROPOSED NEW MONITORING / OBSERVATION WELL LOCATION
 - APPROXIMATE PROPOSED AIR SPARGE PILOT TEST WELL LOCATION
 - APPROXIMATE PROPOSED MONITORING WELL LOCATION
 - APPROXIMATE PROPOSED PUMPING PILOT TEST WELL LOCATION
 - APPROXIMATE LOCATION OF SVE PILOT TEST WELL



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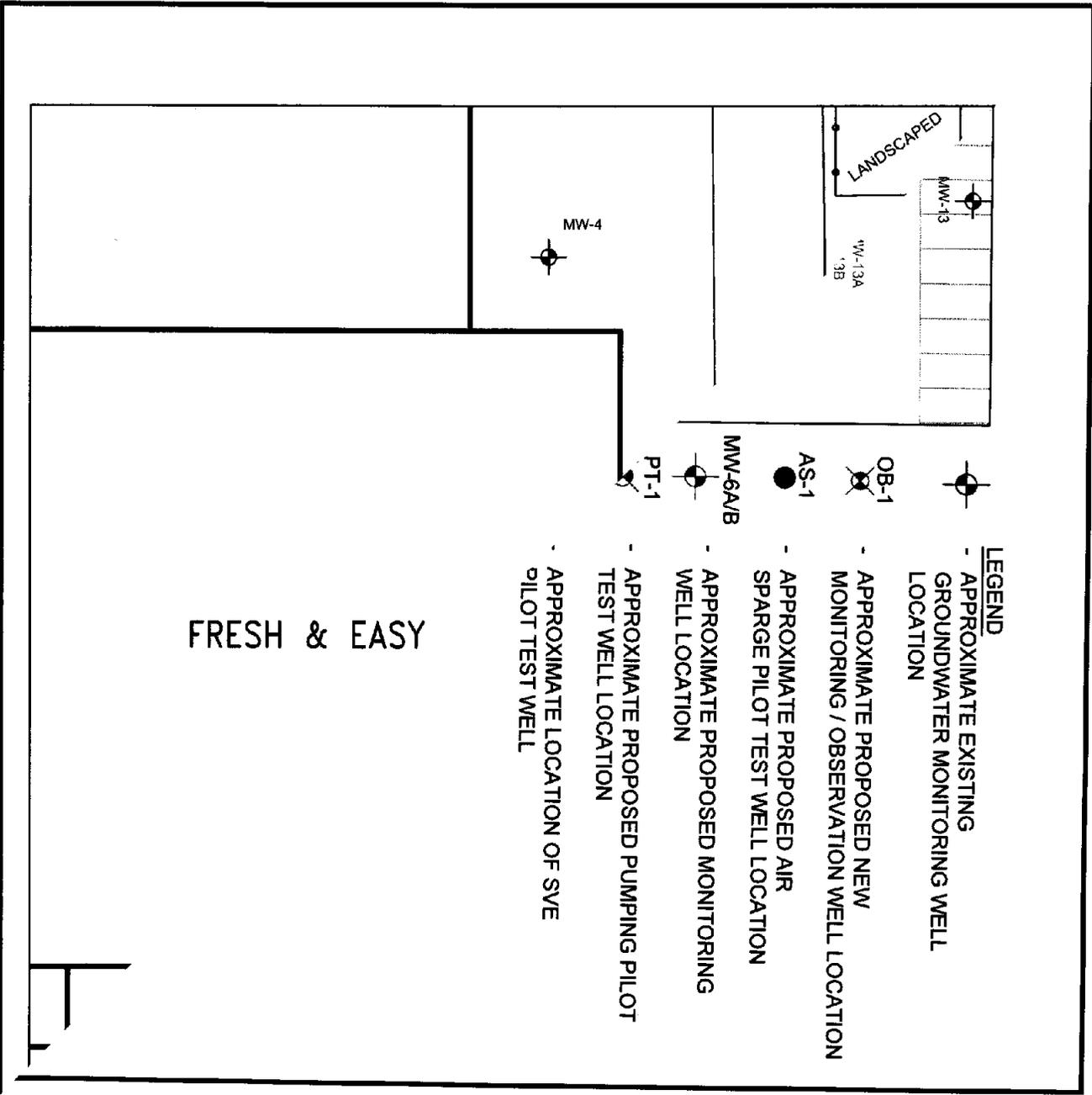
PROPOSED WELL LOCATION DIAGRAM
TROPICANA EAST SHOPPING CENTER
LAS VEGAS, NEVADA

Terracon
Consulting Engineers and Scientists
Las Vegas, NV 89119
750 Pict Road, Ste. F
PH. (702) 587-6393 FAX. (702) 587-6008

EXHIBIT 3

DESIGNED BY: JSP	DATE: 1-2-07
CHECKED BY: JSP	JOB NO.: 0497025
APPROVED BY: DRP	SCALE: 1" = 40'
DATE: 05/20/12	SHEET NO.: 001
SHEET NO.: 4 OF 4	

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LEGEND

- APPROXIMATE EXISTING GROUNDWATER MONITORING WELL LOCATION
- APPROXIMATE PROPOSED NEW MONITORING / OBSERVATION WELL LOCATION
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- APPROXIMATE LOCATION OF SVE PILOT TEST WELL

FRESH & EASY

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