

Ultramar, Inc. P.O. Box 466 525 W. Third Street Hanford, CA 93232-0466 (209) 582-0241

Telecopy: 209-585-585 Credit 209-583-3330 Administrative 209-583-3302 Information Services 209-583-3358 Accounting

January 5, 1996

Ms. Eva Chu Department of Environmental Health Alameda County Health Care Services 1131 Harbor Bay Parkway, Room 250 Alameda, CA 94502-6577

SUBJECT:

BEACON STATION NO. 604, 1619 FIRST STREET, LIVERMORE,

CALIFORNIA

Dear Ms. Chu:

Enclosed is a copy of the report on the installation of the vapor extraction/air sparging wells at the above-referenced Ultramar facility.

Construction of the remediation system has begun and it is anticipated that the system will begin operation some time in February 1996.

Please call if you have any questions regarding this site.

Sincerely,

ULTRAMAR INC.

Terrence A. Fox

Senior Project Manager

Marketing Environmental Department

CC:

Mr. Cecil Fox, San Francisco Bay Region, RWQCB

Mr. Jim Ellis, Ellis Partners Inc., 351 California Street, Suite 1120,

San Francisco, CA 94104







11501 Dublin Blvd., Ste. 200 • Dublin, CA 94568 (510) 551-5011 • FAX: (510) 551-5023

RECEIVED

January 03, 1996

JAN Ú 5 1996

Mr. Terrence A Fox, Senior Project Manger Ultramar Inc. 525 West Third Street Hanford, CA 93230

Reference:

Letter Report for Remedial Groundwater Well Installation

Dear Mr. Fox:

#### Introduction

Geoscience Consultants Ltd. (GCL) has been authorized by Ultramar Inc. to proceed with the implementation stage of the Remedial Action Plan (RAP) for the Beacon Gasoline Station No. 604 located at 1619 West First Street, Livermore, California. This station is located at the southeast corner of First and South P Streets. The area surrounding this site consist of commercial and residential properties. A site map of the area is provided in Figure 1.

This report summarizes the results of the well installation phase of the RAP prepared for the Alameda County Department of Environmental Health, Division of Environmental Protection. The wells to be installed are dual-completion type and used for air sparging and vapor extraction. A total of 27 dual-completion groundwater remediation wells were installed. Seven of these wells are located on the Beacon Gasoline Station property. The remaining 20 wells are located in the parking lot of the Livermore Arcade Shopping Center. The shopping center is located across the street and northwest of the Beacon Gasoline Station. A map showing the location of these wells is provided in Figure 2.

#### Well Drilling

Between September 26, and October 17, 1995, a total of 27 soil borings were drilled by GCL with the subsequent installation of dual-completion groundwater air sparging and vapor extraction wells. Seven dual-completion wells were installed at the Beacon Gasoline Station No. 604 (Figure 3), and 20 dual-completion wells were installed in the parking lot of Livermore Arcade Shopping Center (Figure 4).

The wells were drilled by West Hazmat Drilling Company, a licensed drilling contractor. West Hazmat Drilling Company used a Mobile CME-75 truck mounted hollow stem auger drilling rig. Each drilling rig also has a self-contained decontamination trailer to efficiently decontaminate the drilling equipment and well materials after each well boring.

The borings were drilled using a 12-inch auger to a depth of approximately 65 feet. An on-site geologist visually inspected and classified the soil using the "Unified Soil Classification System." Soil recovery, lithology color, odor and photoionization detection (PID) measurements, moisture, and condition of the recovered core samples were recorded on geologic lithology logs. A geologic lithology log for each well is provided in Attachment A.

## Waste Disposal

The soil from each boring was placed in covered steel bins. A total of seven bins for the Beacon Gasoline Station and Livermore Arcade Shopping Center parking lot were used to store the boring materials. Representative soil samples were taken for each bin and analyzed for BTEX (benzene, toluene, ethylbenzene, and xylene) and total petroleum hydrocarbon - gasoline (TPH-G). These soil samples were taken to the laboratory in coolers and under chain of custody.

The analytical results for the soil in the binds varied from below detectable limits (ND) to 0.0209 ppm (parts per million) for benzene, ND to 0.00804 ppm for toluene, ND to 0.0522 ppm for ethylbenzene, ND to 0.363 ppm for xylene. The TPH-G varied from ND to 5.03 ppm. A composite lead samples was taken from the bins. This soil sample showed a lead concentration of 0.170 ppm. Analytical results are provided in Attachment B.

The soil boring waste materials were properly disposed of in a landfill accepting these materials. The water used for decontamination was disposed of to the City of Livermore sanitary sewer system under GCL disposal permit.

where?

#### Well Installation

Dual-completion groundwater remediation wells were installed in conjunction with the completion of each soil boring. The air sparging well consist of a 1-inch galvanized air injection pipe equipped with a 1-foot porous ceramic fine bubble diffuser at its end. The depth of the air sparging wells were approximately 65 feet below grade level. The vapor

extraction well consist of a 2-inch PVC casing with a 5-foot 0.020-inch slotted well screen. The total depth of these wells were approximately 25 feet below grade level.

The dual-completion wells were back filled with Lonestar 32/12 silica sand, 3/8-inch bentonite pellets, and cement grout as appropriate. Completion of these wells were in accordance to the specification set forth by the Alameda County Flood Control and Water Conservation District, Zone 7 Drilling Permit No. 95589 (dated September 13, 1995) requirements. Well installation details for each boring is provided in Attachment C.

Sincerely,

O. Leon Crain, REA

Project Manager

Attachments

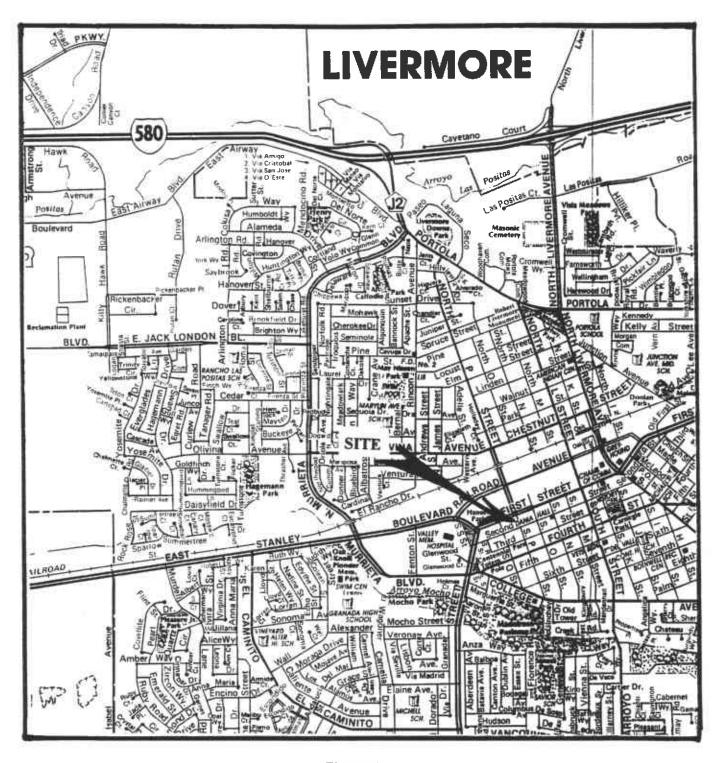
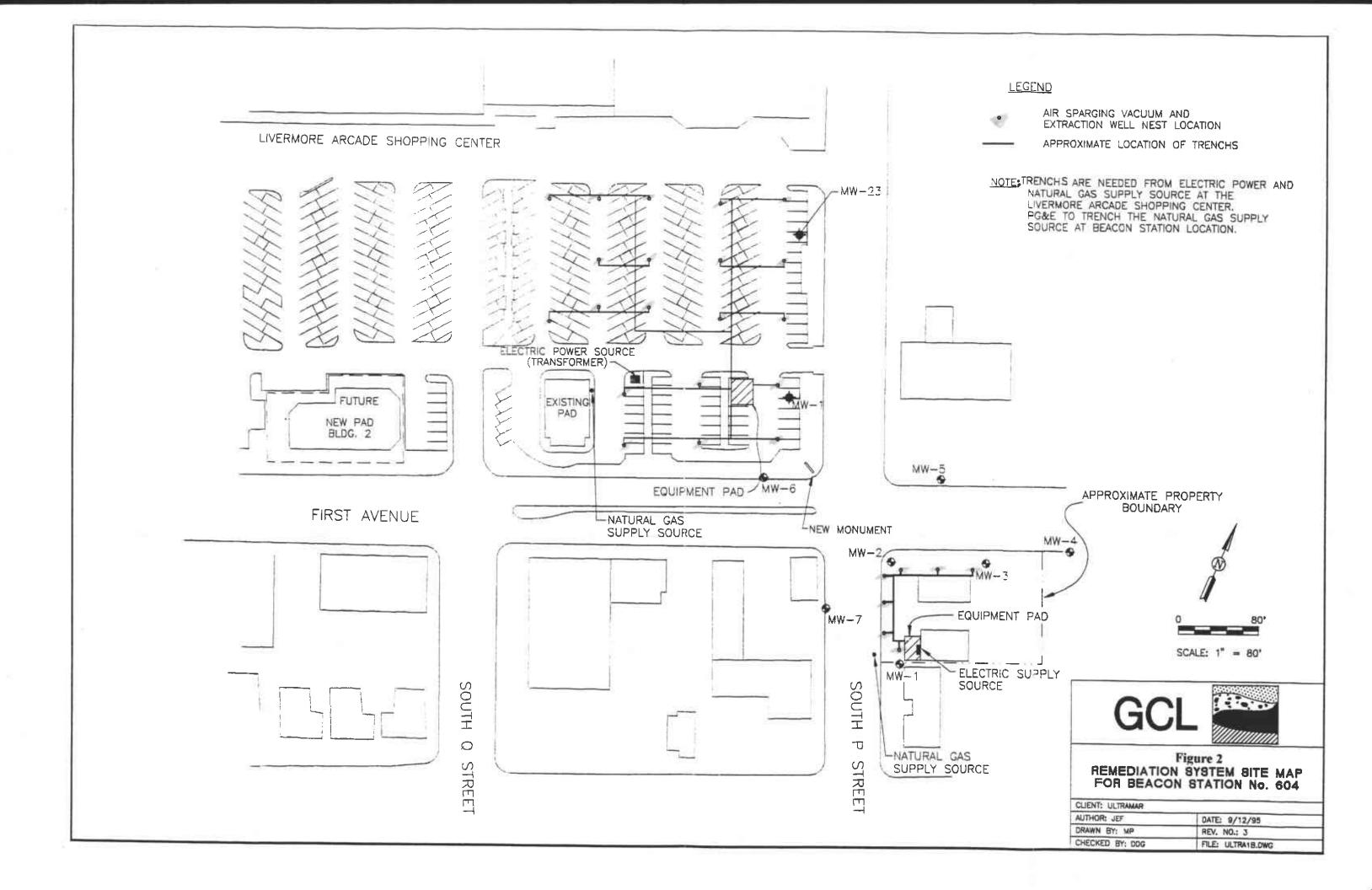
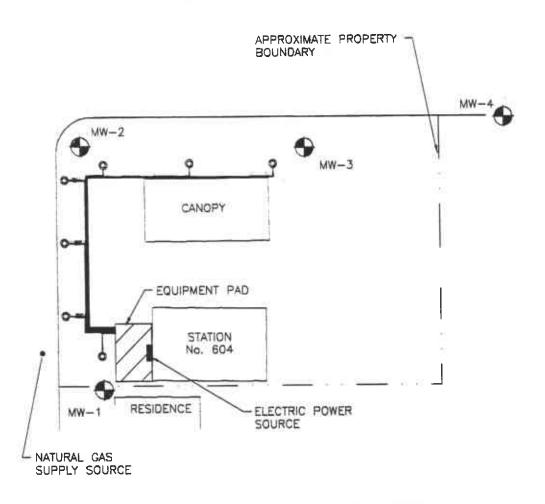


Figure 1
Street Map Marking the of the 1619 First Street, Livermore, CA
Remediation System





## **LEGEND**

WELL NEST LOCATION

AIR SPARGING AND VAPOR EXTRACTION LINES

APPROXIMATE TRENCH

BOUNDARY

- NOTE: 1. TYPICAL NUMBER OF LINES FOR AIR SPARGING AND VAPOR EXTRACTION SYSTEM
  - 2. PG&E TO TRENCH THE NATURAL GAS SUPPLY SOURCE AND INSTALL METER AT ENCLOSURE.

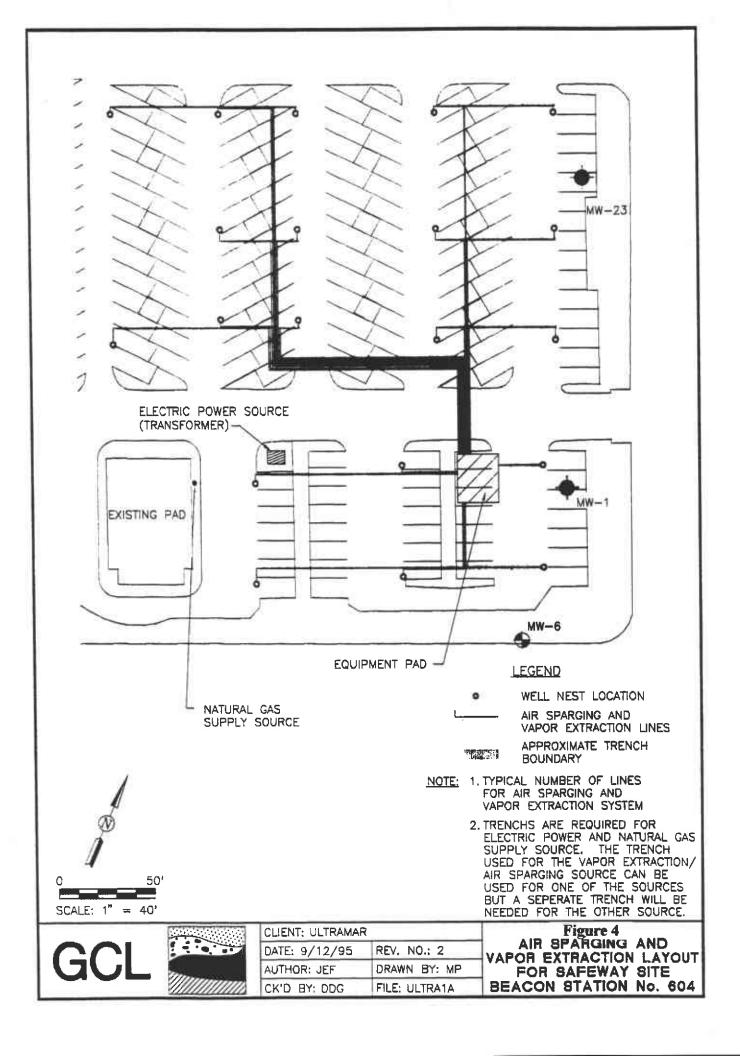




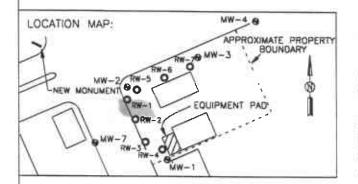


CLIENT: ULTRAMAR	
DATE: 9/12/95	REV. NO.: 2
AUTHOR: JEF	DRAWN BY: MP
CK'D BY: DDG	FILE: ULTRA1A

Figure 3
AIR SPARGING AND
VAPOR EXTRACTION LAYOUT
FOR BEACON SITE
BEACON STATION No. 604



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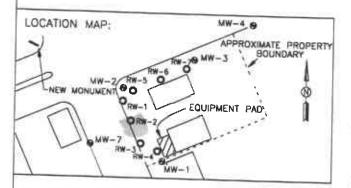
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-1
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/17/95 DATE COMPLETED: 10/17/95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

LOCATION DESCRIPTION: \_

DEP	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION
Ť	CONST.	LIGHT S	uscs	FROM	TO	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
				4	5	DRY	11 ppm	U-0.5° ASPHALT COVER  LITHOLOGY FOR RW-1 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVED AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
10				9	10	DRY	22 ppm	ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
				14	15	DRY	2 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED.
20			GC	19	20	DRY	4 ppm	AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE, FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES.
				24	25	SL. MOIST	27 ppm	CLAY PORTION GENERALLY MODERATE YELLOWISH—BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL, 20-50% CLAY, 10-20% SAND.
30				29	30	SL. MOIST	14 ppm	
				34	35	SL. MOIST	70 ppm	
40				39	40	SL. MOIST	21 ppm	
				44	45	SL. MOIST	37 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
-50		1 1 1		49	50	MOIST	29 ppm	
		1 1 1	GM	54	55	MOIST	138 ppm	
60				59	60	WET	24 ppm	
								BOTTOM OF BORING AT 65 FEET.

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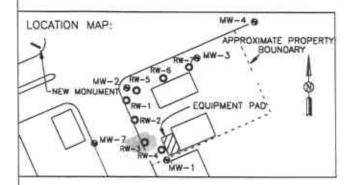
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: CRIENTS
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/17/95 DATE COMPLETED: 10/17/95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

LOCATION DESCRIPTION: .

1000	WELL	11	TH.				SAMPLE		LITHOLOGIC DESCRIPTION
H	CONST.	15.55	anson	uscs	FROM	то	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS WET
0					4	5	DRY	0 ppm	LITHOLOGY FOR RW-2 IS VERY SIMILAR TO RW-2  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSE AS MOST SEQUENCES ARE GRADATIONAL FROM ON LITHOLOGIC UNIT TO THE NEXT CONTACTS BEING
					14	15	DRY	0 ppm	FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAN GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm).  SAND IS POORLY SORTED, MOSTLY MEDIUM TO
9				GC	19	20	DRY	1 ppm	AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SLICH AS QUARTITIE
tested.					24	25	SL. MOIST	8 ppm	CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% CRAVEL
ALCOUNT.					29	30	SL. MOIST	16 ppm	20-50% CLAY, 10-20% SAND.  9-15' GRAVEL LAYER ENCOUNTERED SIMILAR TO RW-
Heren					34	35	SL. MOIST	28 ppm	SAMEAR TO KW
		1/1			44	45	SL. MOIST	31 ppm 210 ppm	
					49	50	MOIST	348 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
				GM	54	55	MOIST	256 ppm	
		4			59	60	MOIST	471 ppm	
			11		64	65	WET	168 ppm	BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC. SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-3 SURVEY LOCATION:

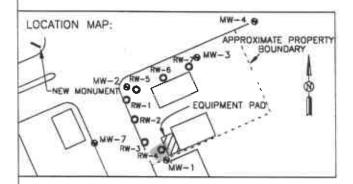
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR:: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/13/95 DATE COMPLETED: 10/13/95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

COMMENTS: =

LOCATION DESCRIPTION: RW-03 LOCATED NEAR SOUTHERN END OF NW FLOWERBED AT ULTRA-MART

WELL	TERMS			S	AMPLE		LITHOLOGIC DESCRIPTION  (LITH USES CRAIN SIZE PROPORTIONS WET
CONST.	LITH.	USCS	FROM	ТО	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	38 ppm	LITHOLOGY FOR RW-3 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERV
			9	10	DRY	52 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND
			14	15	DRY	42 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED
			19	20	SL. MOIST	340 ppm	AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	SL. MOIST	567 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH—BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL,
			29	30	SL. MOIST	565 ppm	20-50% CLAY, 10-20% SAND.  * LARGE GRAVEL AT 4-18' NOT SEEN IN OTHER BORINGS GRAVEL DECREASES IN SIZE W/ DEPTH
			34	35	SL. MOIST	568 ppm	NO CLAY OR SAND OBSERVED.
			39	40	SL. MOIST	567 ppm	
			44	45	SL. MOIST	569 ppm	45-65' CLAYEY SANDY GRAVEL. CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
	1		49	50	SL. MOIST	568 ppm	TO-70% GIWYEE, 10-20% CEAT, AND 10-20% SAN
		GM	54	55	SL. MOIST	570 ppm	
			59	60	SL. MOIST	570 ppm	
		1	64	65	WET	571 ppm	BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC. SITE ID: BEACON STATION NO. 604

LOCATION ID: RW-4

SURVEY LOCATION:

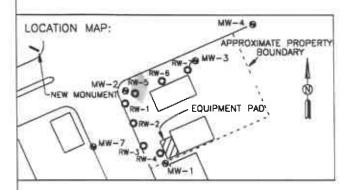
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/12/95 DATE COMPLETED: 10/12/95
FIELD REP.: DALE LITTLEJOHN (GCL)

COMMENTS: \_

LOCATION DESCRIPTION: RW-04 LOCATED IN FLOWERBED ON NORTHWEST EDGE OF ULTRA-MART

Đ	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION
P T H	CONST.	SPECE	uscs	FROM	TO	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			7777	4	5	DRY	29 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-4 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVED
10				9	10	DRY	46 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
				14	15	DRY	47 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
20				19	20	SL. MOIST	45 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
			GC	24	25	SL. MOIST	208 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
30			1111	29	30	SL. MOIST	427 ppm	20-50% CLAY, 10-20% SAND.
575				34	35	SL. MOIST	391 ppm	
40				39	40	SL. MOIST	569 ppm	
				44	45	WET	427 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
50				49	50	WET	444 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
			GM	54	55	V. MOIST	571 ppm	
60				59	60	WET	443 ppm	
		111111						BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-5
SURVEY LOCATION:

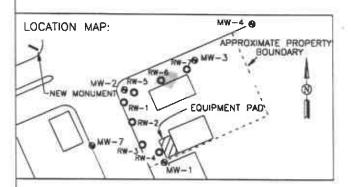
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/12/95 DATE COMPLETED: 10/12/95
FIELD REP.: DALE LITTLEJOHN (GLC)
COMMENTS:

COMMENTS: \_

LOCATION	DESCRIPTION:
LUCKIIUII	DESCRIPTION.

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
WELL CONST.	LITH.	USCS	FROM	TO	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	7 ppm	LITHOLOGY FOR RW-5 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERT AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW
			14	15	DRY	3 ppm 17 ppm	ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	SL. MOIST	145 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	SL. MOIST	233 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH—BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL, 20-50% CLAY, 10-20% SAND.
			29	30	SL. MOIST	344 ppm	20-30% CENT, 10 20% SARD.
			34	35	SL. MOIST	141 ppm	
			39	40	SL. MOIST	267 ppm	
			49	50	MOIST	567 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	MOIST	568 ppm	
			59	60	V. MOIST	568 ppm	
			64	65			BOTTOM OF BORING AT 65 FEET.

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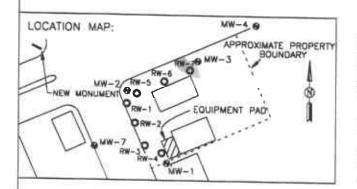
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/11/95 DATE COMPLETED: 10/11/95
FIELD REP.: DALE LITTLEJOHN (GCL)

LOCATION DESCRIPTION: RW-6 LOCATED ADJACENT TO NORTH END OF EAST PUMP ISLAND

D E P	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION
T	CONST.		1000	FROM	то	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
				4	5	DRY	0 ppm .	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-6 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVED AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
10				9	10	DRY	0 ppm	LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
	000			14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED,
20				19	20	DRY	0 ppm	AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE, FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES.
			GC	24	25	DRY	0 ppm	CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL,
30				29	30	DRY	0 ppm	20-50% CLAY, 10-20% SAND.
				34	35	DRY	1 ppm	
40				39	40	SL. MOIST	2 ppm	
				44	45	MOIST	10 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
50		• •		49	50	MOIST	0 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
			GM	54	55	WET	33 ppm	
60		1 1		59	60	WET	18 ppm	
				64	65	WET	NR	BOTTOM OF BORING AT 65 FEET.

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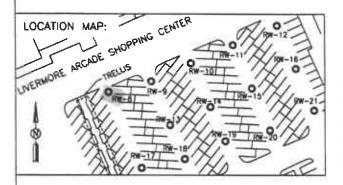
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-7
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10/11/95 DATE COMPLETED: 10/11/95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

LOCATION DESCRIPTION: RW-7 LOCATED NEAR NORTHEAST CORNER OF ULTRAMART SERVICE STATION

E P T	WELL	LITH.			5	SAMPLE		LITHOLOGIC DESCRIPTION
H	CONST.		USCS	FROM	TO	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
				4	5	DRY	0 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-7 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVE
10	. -			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
1				14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
20				19	20	MOIST	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE.
-			GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL
30				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
1				34	35	MOIST	0 ppm	
101				39	40	MOIST	0 ppm	
				44	45	V. MOIST	4 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
1		•		49	50	MOIST	0 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
			СМ	54	55	MOIST	0 pom	
o				59	60	WET	0 ppm	
1		!!!!!!		64	65	WET		BOTTOM OF BORING AT 65 FEET.

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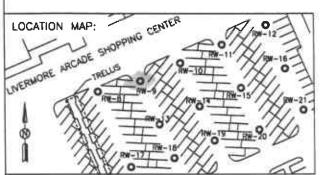
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-8
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-5-95 DATE COMPLETED: 10-5-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

LOCATION DESCRIPTION: ROUND TABLE PIZZA PARKING LOT

D V	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
	ONST.	Cirri.	uscs	FROM	TO	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
	1			4	5	DRY	0 ppm	LITHOLOGY FOR RW-8 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVI
0				9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
	ŀ,			14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
,				19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
			GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL.
				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
				34	35	MOIST	0 ppm	
				39	40	MOIST	0 ppm	
			-	44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
		1 1 1		49	50	DAMP	0 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SANI
		4	GM	54	55	DAMP	0 ppm	
				59	60	DAMP	0 ppm	
1				64	65	WET	4 ppm	BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604
SURVEY LOCATION: LOCATION ID: RW-9

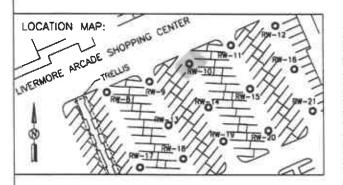
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-4-95 DATE COMPLETED: 10-4-95
FIELD REP.: GIL VAN DEVENTER (GCL)

COMMENTS: \_

E	wer i	1000			SA	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
H 1	WELL CONST.	LITH.	uscs	FROM	то	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
				4	5	DRY	0 ppm	LITHOLOGY FOR RW-9 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVE AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
10	·			9	10	DRY	0 ppm	LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
0.00				14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORNED SORTED, MOSTLY MEDIUM TO SANDED SORTED
20-				19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
			GC	24	25	MOIST	5 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH-BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
50				29	30	MOIST	4 ppm	20-50% CLAY, 10-20% SAND.
				34	35	MOIST	0 ppm	
40				39	40	MOIST	0 ppm	
				44	45	MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
50				49	50	MOIST	4 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
			GM	54	55	WET	196 ppm	
50				59	60	WET	94 ppm	
ALCOHOLD S	1	Jilili	-	64	65	WET	176 ppm	BOTTOM OF BORING AT 65 FEET.

## LITHOLOGIC LOG (SPLIT SPOON)

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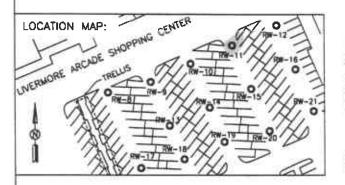


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-10
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR: WEST HAZMAT DRILLING CORP.
DATE STARTED: 9-25-95 DATE COMPLETED: 9-26-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS: EXACT LITHOLOGIC CONTACTS WERE SELDOM
OBSERVED AS MOST SEQUENCES ARE GRADATIONAL FROM
ONE LITHOLOGIC UNIT TO THE NEXT

	AUTT I	1 CTU			S	AMPLE			LITHOLOGIC DESCRIPTION
	WELL ONST.	LITH.	uscs	FROM	TO	% REC	BLOW- COUNT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			GP	4.5	5	25	50	0 ppm	10-0.5' ASPHALT COVER 0.5-13' SILTY CLAYEY GRAVEL, DARK YELLOW BROW (10 YR 4/2), APPROXIMATELY 60% GRAVEL (2-40 mm), SUBROUNDED, POORLY SORTED, 20% SILT, 20% CLAY, DRY, UNCONSOLIDATED.
1.		-66		9.5	11	50	28 50	0 ppm	
				14.5	16	60	38 50	0 ppm	13-32' SILTY GRAVELLY CLAY, MODERATE YELLOWISI BROWN (10 YR 5/4), APPROXIMATELY 30-50% CLAY 20-30% SILT, AND 20-30% GRAVEL. CLAY CONTENT DECREASES AND GRAVEL CONTENT
,				19.5	21	100	10 14 16	0 ppm	INCREASES WITH DEPTH.
				24.5	26	100	7 9 20	0 ppm	
				29.5	31	100	5 5 7	0 ppm	32-40' GRAVELLY SILTY CLAY, DARK YELLOWISH-
				34.5	36	80	17 34 50	0 ppm	BROWN (10 YR 4/2), MOIST, APPROXIMATELY 50% CLAY, 40% GRAVEL, 10% SILT.
			GC	39.5	41	50	41 50	3 ppm	40-45' CLAYEY SANDY GRAVEL, DARK YELLOWISH- BROWN (10 YR 4/2), DAMP, UNCONSOLIDATED. APPROXIMATELY 50% GRAVEL, 30% CLAY, 20% SANI
				44.5	46	30	50	6 ppm	45-65' SANDY CLAYEY GRAVEL, MODERATE OLIVE- BROWN (5 YR 3/2), WET, UNCONSOLIDATED. APPROXIMATELY 50-70% GRAVEL, 10-20% SAND,
				49.5	51	25	50	19 ppm	AND 10-20% CLAY.  CLAY CONTENT DECREASES AND GRAVEL CONTENT
				54.5	56	20	21 50	373 ppm	INCREASES WITH DEPTH.
				59.5	61	20	7 28 43	382 ppm	
1		71,11,	+						BOTTOM OF BORING AT 65 FEET.

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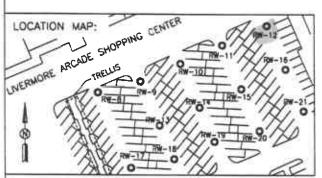


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: DATE COMPLETED:
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

2	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
	CONST.	Lin.	uscs	FROM	то	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
1	11.			4				LITHOLOGY FOR RW-11 IS VERY SIMILAR TO RW-27
1				9	10	DRY	0 ppm	EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVAS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
4444				14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
-				19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF INGEUOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
1			GC	24	25	DRY	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH- BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
-				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
1				34	35	MOIST	6 ppm	
				39	40	MOIST	0 ppm	=
				44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
the standard standard				49	50	DAMP	0 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
THE PARTY			GM	54	55	WET	0 ppm	
			-	59	60	WET	0 ppm	
1	8. <b>1</b> E.E.	ШШ		64	65	WET	0 ppm	BOTTOM OF BORING AT 65 FEET.

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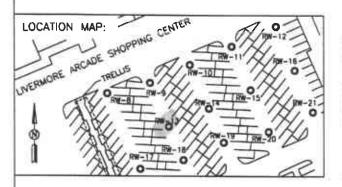
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604
SURVEY LOCATION: LOCATION ID: RW-12

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR:: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-2-95 DATE COMPLETED: 10-2-95
FIELD REP:: GIL VAN DEVENTER (GCL)

COMMENTS: .

WELL	TITLE:			S	AMPLE		LITHOLOGIC DESCRIPTION
CONST.	UTH.	uscs	FROM	то	MOISTURE	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	0 ppm	LITHOLOGY FOR RW~12 IS VERY SIMILAR TO RW-27 EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERV
			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND
			14	15	DRY	0 ppm	GRAVEL, GRAVELLY SANDY COAT AND COATET SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	MOIST	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH-BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	0 ppm	
			39	40	MOIST	0 ppm	
			44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
			49	50	WET	0 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	WET	0 ppm	
			59	60	WET	0 ppm	
	litili		64	65	WET	0 ppm	BOTTOM OF BORING AT 65 FEET.

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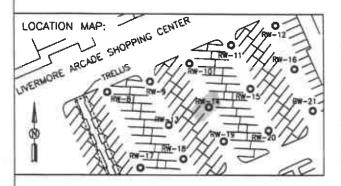


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604
SURVEY LOCATION: LOCATION ID: RW-13

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR:: WEST HAZMAT DRILLING CORP.
DATE STARTED: 9-28-95 DATE COMPLETED: 9-28-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

E	WELL	OF STREET			S	AMPLE		LITHOLOGIC DESCRIPTION
TH	CONST.	LITH.	USCS	FROM	TO	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
and Language				4	5	DRY	0 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-13 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVER  AS MOST SEQUENCES ARE CRADATIONAL FROM ONE
0				9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
ALC: Later	7777			14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
20			=======================================	19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
CONTRACTOR			GC	24	25	DRY	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL,
0				29	30	DRY	0 ppm	20-50% CLAY, 10-20% SAND.
STATE STATE				34	35	MOIST	0 ppm	
0				39	40	MOIST	96 ppm	
Section 1				44	45	DAMP	253 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
0				49	50	WET	36 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
Section 1		111	GM	54	55	WET	37 ppm	
0				59	60	WET	1 ppm	
NAME OF STREET	i i	Lilili		64	65	WET	24 ppm	BOTTOM OF BORING AT 65 FEET.

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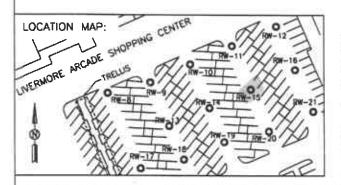


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-14
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-4-95
DATE COMPLETED: 10-4-95
COMMENTS:

w	ELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
	NST.	LIII.	uscs	FROM	TO	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
-1	1			4	5	DRY	0 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-14 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERY
				9	10	DRY	2 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND
				14	15	DRY	23 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
	T			19	20	DRY	1 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
			GC	24	25	MOIST	56 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
				29	30	MOIST	6 ppm	20-50% CLAY, 10-20% SAND.
				34	35	MOIST	214 ppm	
				39	40	MOIST	199 ppm	
			-	44	45	WET	73 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
				49	50	DAMP	40 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		*	GM	54	55	DAMP	61 ppm	
				59	60	WET	69 ppm	
		HHH		64	65	WET	138 ppm	BOTTOM OF BORING AT 65 FEET.

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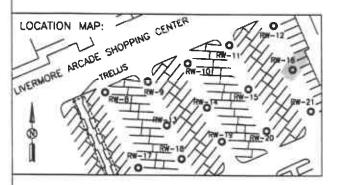
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-15
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-9-95 DATE COMPLETED: 10-9-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

LOCATION DESCRIPTION: WELL LOCATED IN SAFEWAY PARKING LOT SOUTH OF RW-11; WEST OF RW-16

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION  (LITH LISCS CRAIN SIZE PROPORTIONS WET
CONST.	Littl.	uscs	FROM	то	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
14	11:11						0-0.5' ASPHALT COVER
-[[			4	5	DRY	0 ppm	LITHOLOGY FOR RW-15 IS VERY SIMILAR TO RW-27 EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSER
			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
			14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	SL. MOIST	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDES AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH- BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	WET	0 ppm	
			39	40	SL. MOIST	0 ppm	
			44	45	SL. MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
	1		49	50	SL. MOIST	0 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	SL. MOIST	0 ppm	
			59	60	WET	0 ppm	
			64	65			BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-16

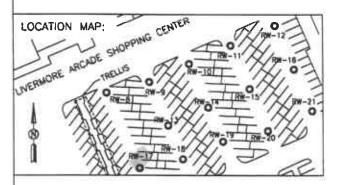
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-6-95 DATE COMPLETED: 10-6-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

COMMENTS: \_

DWP+	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION
Ť H	CONST.	LIIA.	uscs	FROM	то	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
				4	5	DRY	0 ppm	LITHOLOGY FOR RW-16 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVE AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
10				9	10	DRY	0 ppm	LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
1				14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
20				19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
- 1			GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
30				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
				34	35	DAMP	0 ppm	
40				39	40	DAMP	2 ppm	
4				44	45	MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
50		1 + +		49	50	MOIST	0 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
		1 1 1	GM	54	55	MOIST	0 ppm	
60				59	60	WET	7 ppm	
	3 ab			64	65	WET	37 ppm	BOTTOM OF BORING AT 65 FEET.

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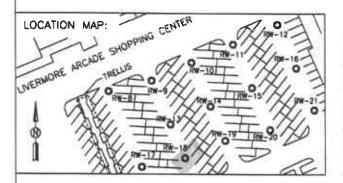


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-17
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-3-95 DATE COMPLETED: 10-3-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST		uscs	FROM	то	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	0 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-17 IS VERY SIMILAR TO RW-2'  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSER
			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
			14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm), SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDE AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENE CLAY PORTION GENERALLY MODERATE YELLOWISH-BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	0 ppm	
			39	40	MOIST	0 ppm	
			44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
			49	50	WET	0 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SA
		GM	54	55	WET	0 ppm	
			59	60	WET	0 ppm	
			64	65	WET	0 ppm	BOTTOM OF BORING AT 65 FEET.

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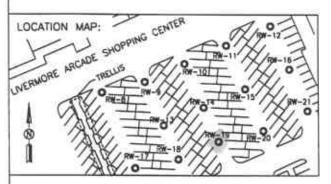
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-18
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 9-27-95 DATE COMPLETED: 9-27-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

COMMENTS: .

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST.	100000000000000000000000000000000000000	USCS	FROM	то	MOISTURE	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	NR	_0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-18 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERV
			9	10	DRY	NR	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
			14	15	DRY	NR	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	NR	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	NR	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	NR	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	NR	
			39	40	MOIST	NR	
			44	45	DAMP	NR	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
	1 + +		49	50	WET	NR	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	WET	NR	
			59	60	WET	NR	
			64	65	WET	NR	BOTTOM OF BORING AT 65 FEET.

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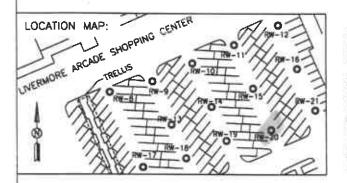


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604
SURVEY LOCATION: LOCATION ID: RW-19

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR: WEST HAZMAT DRILLING CORP.
DATE STARTED: 9-27-95 DATE COMPLETED: 9-27-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST.	P. 1111	uscs	FROM	TO	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	0 ppm	0-0.5' ASPHALT COVER  LITHOLOGY FOR RW-19 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERY
			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
<u>.</u>			14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	5 ppm	
			39	40	DAMP	0 ppm	
		-	44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
	1		49	50	WET	1 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	WET	0 ppm	
			59	60	WET	0 ppm	
100	litili		64	65	WET	92 ppm	BOTTOM OF BORING AT 65 FEET.

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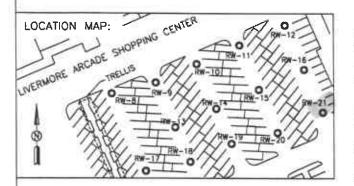


CLIENT: ULTRAMAR INC,
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-20
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-5-95 DATE COMPLETED: 10-5-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST.	Lin.	uscs	FROM	то	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
11.	1111						10-0.5' ASPHALT COVER
11	(1/1/		4	5	DRY	0 ppm	LITHOLOGY FOR RW-20 IS VERY SIMILAR TO RW-27
			9	10	DRY	0 ppm	EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERY AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
			14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH- BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
			29	30	MOIST	21 ppm	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	0 ppm	
			39	40	DAMP	0 ppm	
			44	45	DAMP	12 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
			49	50	WET	6 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	WET	33 ppm	
			59	60	WET	16 ppm	
			64	65	WET	199 ppm	BOTTOM OF BORING AT 65 FEET.

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CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-21
SURVEY LOCATION:

GROUND ELEVATION (ft. MSL): ~ 465

DRILLING METHOD: HOLLOW STEM AUGER

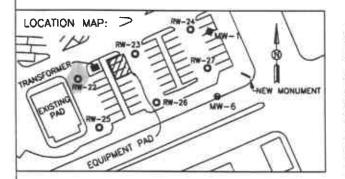
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.

DATE STARTED: 10-6-95 DATE COMPLETED: 10-6-95

FIELD REP.: GIL VAN DEVENTER (GCL)

E WELL	1370			S	AMPLE		LITHOLOGIC DESCRIPTION
WELL CONST.	LITH.	uscs	FROM	то	MOISTURE CONTENT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	0 ppm	LITHOLOGY FOR RW-20 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVE AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
0			9	10	DRY	0 ppm	LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY
			14	15	DRY	0 ррт	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
20			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL.
0			29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	DAMP	0 ppm	
•			39	40	DAMP	0 ppm	
			44	45	MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
0			49	50	MOIST	0 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAND
		GM	54	55	WET	10 ppm	
30			59	60	WET	11 ppm	
	lilili.		64	65	WET	40 ppm	BOTTOM OF BORING AT 65 FEET.

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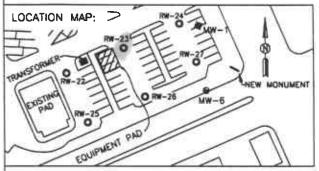


CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-22
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-16-95 DATE COMPLETED: 10-16-95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

LOCATION DESCRIPTION: RW-22 LOCATED IN NORTHEAST CORNER OF BANK PARKING LOT

WELL	штн.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST.		uscs	FROM	TO	MOISTURE	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
11.	11/1/						10-0.5' ASPHALT COVER  LITHOLOGY FOR RW-22 IS VERY SIMILAR TO RW-27
			4	5	DRY	0 ppm	EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERV AS MOST SEQUENCES ARE GRADATIONAL FROM ONE
			9	10	DRY	0 ppm	LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.  0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SAND
			14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE.
		GC	24	25	DRY	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES CLAY PORTION GENERALLY MODERATE YELLOWISH-BROWN (10 YR 5/4) TO MODERATE OLIVE-BROWN (5 YR 4/4), APPROXIMATELY 30-60% GRAVEL,
			29	30	DRY	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	DRY	0.4 ppm	
			39	40	SL. MOIST	10 ppm	
			44	45	SL. MOIST	9 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
			49	50	WET	3 ppm	40-70% GRAVEL, 10-20% CLAY, AND 10-20% SAN
		GM	54	55	WET	0 ppm	
			59	60	WET	0 ppm	
			64	65	WET	NR	BOTTOM OF BORING AT 65 FEET.



CLIENT: ULTRAMAR INC. SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-23 SURVEY LOCATION:

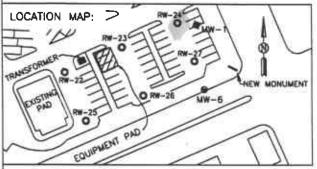
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft, MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-10-95 DATE COMPLETED: 10-10-95
FIELD REP.: GIL VAN DEVENTER (GCL)

COMMENTS: \_

LOCATION	DESCRIPTION:	LOCATED	IN	SOUTH-CENTER	OF	SAFEWAY	LOT	ON	NORTH	END	

WELL	LITH.			S	AMPLE			LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
CONST.	Luna	uscs	FROM	TO	MOISTURE CONTENT	PID RE	EADING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
			4	5	DRY	7 p	opm	0-0.5" ASPHALT COVER  LITHOLOGY FOR RW-23 IS VERY SIMILAR TO RW-27  EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVI
			9	10	DRY	1 p	pm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.
			14	15	DRY	0 t	ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	2 ;	ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	DRY	9 ;	ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30—60% GRAVEL,
			29	30	SL. MOIST	5 (	ppm	20-50% CLAY, 10-20% SAND.
			34	35	MOIST	31	ppm	
			39	40	MOIST	5	ppm	
		-	44	45	MOIST	13	ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
			49	50	WET	7	ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20% SANG
		GM	54	55	WET	25	ppm	
			59	60	MOIST	57	ppm	
			64	65				BOTTOM OF BORING AT 65 FEET.

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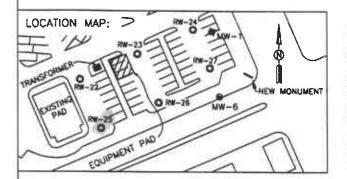
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-24
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-3-95
DATE COMPLETED: 10-3-95
FIELD REP.: GIL VAN DEVENTER (GCL)
COMMENTS:

COMMENTS: \_

DEP	WELL	TITLE			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET		
TH C	WELL CONST.	штн.	uscs	FROM	то	MOISTURE CONTENT	PID READING	COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)		
				4	5	DRY	0 ppm	LITHOLOGY FOR RW-24 IS VERY SIMILAR TO RW-27 EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSERVE		
10				9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ONE LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOW ARE ESTIMATED BASED ON SOIL CUTTING SAMPLES FROM AUGER FLIGHTS.		
1				14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY SANDY GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORTE SORTED, MOSTLY MEDIUM TO		
20				19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROUNDED, AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS AND METAMORPHIC GRAINS SUCH AS QUARTZITE,		
1			GC	24	25	MOIST	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXENES. CLAY PORTION GENERALLY MODERATE YELLOWISH— BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,		
30				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.		
Hereter				34	35	MOIST	0 ppm			
40				39	40	MOIST	0 ppm			
checkete				44	45	DAMP	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL. 10-20% CLAY, AND 10-20% SAND		
50		1		49	50	WET	0 ppm	40-70% GRAVEL, 10-20% CDAT, AND 10-20% SAND		
detector			GM	54	55	WET	0 ppm			
60				59	60	WET	0 ppm			
1		lilili		64	65	WET	0 ppm	BOTTOM OF BORING AT 65 FEET.		

Page\_1\_ of \_1\_



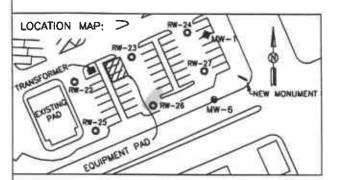
CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-25
SURVEY LOCATION:

STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (ft. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR.: WEST HAZMAT DRILLING CORP.
DATE STARTED: 10-16-95 DATE COMPLETED: 10-16-95
FIELD REP.: DALE LITTLEJOHN (GCL)
COMMENTS:

LOCATION DESCRIPTION: RW-25 LOCATED IN SOUTHEAST CORNER OF BANK PARKING LOT

WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION
CONST.		USCS	FROM	то	MOISTURE	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WE COLOR, RNDG., SORT., CONSOL., DIST. FEATUR
11.	1111						10-0.5' ASPHALT COVER
][	(ilii)		4	5	DRY	0 ppm	LITHOLOGY FOR RW-25 IS VERY SIMILAR TO RV EXACT LITHOLOGIC CONTACTS WERE SELDOM OF
			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM LITHOLOGIC UNIT TO THE NEXT. CONTACTS BE ARE ESTIMATED BASED ON SOIL CUTTING SAMPI FROM AUGER FLIGHTS.
			14	15	DRY	0 ppm	0.5-45' GRAVELLY SANDY CLAY AND CLAYEY! GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
			19	20	DRY	0 ppm	COARSE-GRAINED, SUB-ANGULAR TO SUB-ROU! AND UNCONSOLIDATED. GRAVEL AND SANDS MULTI-COLORED AND COMPOSED OF IGNEOUS A METAMORPHIC GRAINS SUCH AS QUARTZITE,
		GC	24	25	DRY	0 ppm	FELDSPARS, MICA, AMPHIBOLES AND/OR PYROXI CLAY PORTION GENERALLY MODERATE YELLOWISH BROWN (10 YR 5/4) TO MODERATE OLIVE-BRO (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
V			29	30	SL. MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
			34	35	SL. MOIST	0 ppm	
			39	40	SL. MOIST	0 ppm	
V			44	45	MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT
			49	50	MOIST	0 ppm	DECREASING WITH DEPTH APPROXIMATELY 40-70% GRAVEL, 10-20% CLAY, AND 10-20%
		GM	54	55	MOIST	0 ppm	
			59	60	WET	0 ppm	
	litili		64	65	WET	0 ppm	BOTTOM OF BORING AT 65 FEET.

Page\_1\_ of \_1\_



CLIENT: ULTRAMAR INC.
SITE ID: BEACON STATION NO. 604
SURVEY LOCATION: LOCATION ID: RW-25

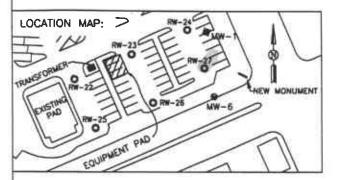
STATE: CALIFORNIA COUNTY: ALAMEDA
GROUND ELEVATION (It. MSL): ~ 465
DRILLING METHOD: HOLLOW STEM AUGER
DRILLING CONTR:: WEST HAZMAT DRILLING CORP.
DATE STARTED: 9-28-95 DATE COMPLETED: 9-28-95
FIELD REP.: GIL VAN DEVENTER (GCL)

COMMENTS: \_

1000	WELL	LITH.			S	AMPLE		LITHOLOGIC DESCRIPTION (LITH., USCS, GRAIN SIZE PROPORTIONS, WET
-1.4	CONST.	LIGHT	uscs	FROM	то	MOISTURE CONTENT	PID READII	G COLOR, RNDG., SORT., CONSOL., DIST. FEATURES
The state of the state of				4	5	DRY	0 ppm	EXACT LITHOLOGIC CONTACTS WERE SELDOM OBSE
-	[.]			9	10	DRY	0 ppm	AS MOST SEQUENCES ARE GRADATIONAL FROM ON LITHOLOGIC UNIT TO THE NEXT. CONTACTS BELOV
1				14	15	DRY	0 ppm	GRAVEL, GRAVEL SIZE RANGES FROM GRANULES (2-4 mm) TO SMALL PEBBLES (4-40 mm). SAND IS POORLY SORTED, MOSTLY MEDIUM TO
The standard of the standard				19	20	DRY	0 ppm	METAMORPHIC GRAINS SUCH AS QUARTZITE,
1			GC	24	25	DRY	0 ppm	BROWN (10 YR 5/4) TO MODERATE OLIVE—BROWN (5 YR 4/4). APPROXIMATELY 30-60% GRAVEL,
Sales de la des				29	30	MOIST	0 ppm	20-50% CLAY, 10-20% SAND.
1				34	35	MOIST	0 ppm	
1				39	40	MOIST	0 ppm	
1			-	44	45	MOIST	0 ppm	45-65' CLAYEY SANDY GRAVEL, CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY
		1		49	50	WET	19 ppn	40-70% GRAVEL, 10-20% CLAY, AND 10-20% S/
1			GM	54	55	WET	17 ppn	١ ا
			9	59	60	WET	0 pprr	
				64	65	WET	23 ppr	BOTTOM OF BORING AT 65 FEET.

#### LITHOLOGIC LOG (SPLIT SPOON)

Page\_1\_ of \_1\_



CLIENT: ULTRAMAR INC. SITE ID: BEACON STATION NO. 604 LOCATION ID: RW-27 SURVEY LOCATION:

COUNTY: ALAMEDA STATE: CALIFORNIA

GROUND ELEVATION (ft. MSL):

DRILLING METHOD: HOLLOW STEM AUGER

DRILLING CONTR:: WEST HAZMAT DRILLING CORP.

DATE STARTED: 9-25-95 DATE COMPLETED: 9-26-95

FIELD REP.: GIL VAN DEVENTER (GCL)

COMMENTS: EXACT LITHOLOGIC CONTACTS WERE SELDOM

OBSERVED AS MOST SEQUENCES GRADATIONAL FROM

ONE LITHOLOGIC UNIT TO THE NEXT

D E P	MELL	LITH.			S	AMPLE			LITHOLOGIC DESCRIPTION
	WELL CONST.	Litt.	uscs	FROM	TO	% REC	BLOW- COUNT	PID READING	(LITH., USCS, GRAIN SIZE PROPORTIONS, WET COLOR, RNDG., SORT., CONSOL., DIST. FEATURES)
and the second			GC	4.5	6	50	14 18	2 ppm	0-0.5' ASPHALT COVER  0.5-18' CLAYEY SANDY GRAVEL, DARK YELLOWISH- BROWN (10 YR 4/2), APPROXIMATELY 60% GRAVEL (2mm-40mm), POORLY SORTED, SUB- ROUNDED) 20% SAND (FINE-TO COARSE GRAINED, POORLY SORTED, SUBANGULAR TO SUBROUNDED),
0				9.5	11	75	8 9 24	0 ppm	20% CLAY, UNCONSOLIDATED, DRY.
-		1.1.		14.5	16	75	25	1 ppm	
20			GP	19.5	21	100	22 50 25	3	18-20' SANDY GRAVELLY CLAY, MODERATE YELLOWISH BROWN (10 YR 5/4). SOFT, MOIST, APPROXIMATELY 50% CLAY, 30% SAND AND 20% GRAVEL.
			GC	19.5	21	100	12 12	3 ppm	20-28' CLAYEY SANDY GRAVEL, MODERATE YELLOWISH BROWN (10 YR 5/4), MOIST APPROXIMATELY 70% GRAVEL. 20% CLAY, AND 10% SAND
				24.5	26	100	9 37 44	7 ppm	70% GRAVEL, 20% CLAT, AND TOX SAND
30				29.5	31	100	14 19 26	152 ppm	28-45' CLAYEY SANDY GRAVEL, LIGHT TO MODERATE OLIVE BROWN (5 YR 4/4), MOIST, APPROXIMATELY 50% GRAVEL, 30% CLAY AND 20% SAND, DAMP.
			GC	34.5	36	50	37 50	37 ppm	SAMPLES WET FROM 35 TO 65 FEET.
40				39.5	41	80	21 34 50	33 ppm	) N
			-	44.5	46	50	50	266 ppm	45-65' CLAYEY SANDY GRAVEL, MODERATE YELLOWISH BORWN (10 YR 5/4) TO MODERATE OLIVE-BROWN
50		•	SASA	49.5	51	30	47 50	361 ppm	(5 YR 4/4), CLAY CONTENT DECREASING WITH DEPTH APPROXIMATELY 50-70% GRAVEL, 10-30% CLAY, 10-20% SAND. MODERATE HYDROCARBON ODOR FROM 45-65 FEET.
			GM.	54.5	56	100	12 17 22	470 ppm	
60				59	60	100		570 ppm	
	1 Mil		4	64	65				POTTON OF BORING AT SE SECT
0.00	1								BOTTOM OF BORING AT 65 FEET.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

## TRANSMITTAL

DATE: 10/12/95

TO: Mr. L. Crain

Acct#: 100-9411

GCL

Project: 2000.006

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. AMK TOHLINS

Laboratory Director

SUBJECT: YOUR PROJECT #2000.006 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9509281317	SOIL	9/28/95	8463
9509281321	SOIL	9/28/95	8464

These samples were received in our laboratory on 9/28/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

Attachment B

**Analytical Results for Soil Samples** 

K PRIME, INC.

LABORATORY REPORT

LAB NO: 8463

SAMPLE TYPE: SOIL

OUR PROJECT: 100-9411

POUR PROJECT: ULTRAMAR-BEACON

DATE SAMPLED: 13:17

METHOD: BTEX DATE ANALYZED: 10/9/95 REFFERENCE: EPA 8020 UNITS: UG/KG

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
BENZENE	71-43-2	5.00	ND
TOLUENE	108-88-3	5.00	ND
ETHYLBENZENE	100-41-4	5.00	ND
M-&P-XYLENE	1330-20-7	5.00	ND
O-XYLENE	95-47-6	5.00	ND

METHOD: TPH-G/D

REFERENCE: EPA MOD 8015

DATE ANALYZED: 10/9/95

UNITS: MG/KG

COMPOUND NAME

REPORTING SAMPLE

	THE CHILLIAGE	SAMPLE
	LIMIT	CONC
TPH-G	1.00	ND
TPH-D*	10.0	NA

#### NOTES:

ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE

- DIESEL RANGE EXTRACTABLES GC/FI	DPATTERN
DIESEL FUEL	
DEGRADED DIESEL FUEL	<del></del> -
PETROLEUM - HEAVIER THAN DIESEL	
PETROLEUM - LIGHTER THAN DIESEL	
UNKNOWN EXTRACTABLES PATTERN	· · · · · · · · · · · · · · · · · · ·

PREPARED BY:	Ard	
DATE:	10/10/95	
	,	
APPROVED BY:	RAK	
DATE:	10112/15	

K PRIME, INC. SAMPLE ID: 9509281321 LABORATORY REPORT LAB NO: 8464 SAMPLE TYPE: SOIL **OUR PROJECT: 100-9411** DATE SAMPLED: 9/28/95 YOUR PROJECT: ULTRAMAR-BEACON TIME SAMPLED: 13:21 METHOD: BTEX DATE ANALYZED: 10/9/95 **REFFERENCE: EPA 8020** UNITS: UG/KG COMPOUND NAME CAS NO. REPORTING SAMPLE LIMIT CONC BENZENE 71-43-2 5.00 ND TOLUENE 108-88-3 5.00 ND ETHYLBENZENE 100-41-4 5.00 ND M-&P-XYLENE 1330-20-7 5.00 ND O-XYLENE 95-47-6 5.00 ND METHOD: TPH-G/D DATE ANALYZED: 10/9/95 REFERENCE: EPA MOD 8015 UNITS: MG/KG COMPOUND NAME REPORTING SAMPLE LIMIT CONC TPH-G 1.00 ND TPH-D\* 10.0 NA NOTES: ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE \* - DIESEL RANGE EXTRACTABLES GC/FID PATTERN DIESEL FUEL! DEGRADED DIESEL FUEL PETROLEUM - HEAVIER THAN DIESEL PETROLEUM - LIGHTER THAN DIESEL UNKNOWN EXTRACTABLES PATTERN PREPARED BY:\_\_\_\_ 10/10/95 DATE:

APPROVED BY: /3/1/5

DATE: 10(1)2/95

Environmental Science and Engineering A BOM International Company

eupreupud/A D 505 Marquette NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (505) 842-0595

(i) Mid Atlantic Region 4221 Forbes Blvd., Ste. 240 Lanham, MD 20706-4325 [3D1] 459-9677 FAX: (301) 459-3064

□ NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX: (505) 524-5315

KPI Project # 9411 8026

### **Chain of Custody**

Date 9-28-95 Page | OI

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### CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

#### TRANSMITTAL

DATE: 10/17/95

TO: Mr. L. Crain

Acct#: 100-9411

GCL

Project: 3121-002

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. AAR 10/17/15

Laboratory Director

SUBJECT: YOUR PROJECT "3121-002" LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9510031419	SOIL	10/3/95	8498
9510031420	SOIL	10/3/95	8499

These samples were received in our laboratory on 10/3/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

K PRIME, INC.

LABORATORY REPORT

OUR PROJECT: 100-9411

YOUR PROJECT: ULTRAMAR-BEACON

SAMPLE ID: 9510031419

LAB NO:

8498

SOIL SAMPLE TYPE:

10/3/95

DATE SAMPLED: TIME SAMPLED:

14:19

METHOD: BTEX

REFFERENCE: EPA 8020

DATE ANALYZED:

10/4/95

UNITS:

UG/KG

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
PC COLE	71-43-2	5.00	20.9
BENZENE	108-88-3	5.00	8.04
TOLUENE	100-41-4	5.00	52.2
ETHYLBENZENE	1330-20-7	5.00	273
M-&P-XYLENE	95-47-6	5.00	90.0
IC-XY! ENE	93-47-0	<u> </u>	

METHOD: TPH-G/D

DATE ANALYZED: 10/4/95

REFERENCE: EPA MOD 8015

UNITS:

MG/KG

COMPOUND NAME	REPORT <b>IN</b> G L!MIT	SAMPLE
	1.00	5.03
TPH-O*	10.0	NA
1150-0		

#### NOTES:

NO - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE

- DIESEL RANGE EXTRACTABLES GC/FI	PATTERN_
DIESELFUEL	
DEGRADED DIESEL FUEL	
PETROLEUM - HEAVIER THAN DIESEL	
PETROLEUM - LIGHTER THAN DIESEL	
UNKNOWN EXTRACTABLES PATTERN	

A6
10/8/95

DATE: 10/12/95 K PRIME, INC.

LABORATORY REPORT

**OUR PROJECT: 100-9411** 

YOUR PROJECT: ULTRAMAR-BEACON

SAMPLE ID: 9510031420

LAB NO:

8499 SOIL

SAMPLE TYPE: DATE SAMPLED: 10/3/95

TIME SAMPLED:

14:20

METHOD: BTEX

**REFFERENCE: EPA 8020** 

DATE ANALYZED:

10/4/95

UNITS: UG/KG

COMPOUND NAME	CAS NO.	REPORTING  LIMIT	SAMPLE CONC
	71-43-2	5.00	ND
BENZENE	108-88-3	5.00	ND
TOLLIENE	100-41-4	5.00	19.8
ETHYLBENZENE	1330-20-7		101
M-&P-XYLENE	95-47-6	5.00	52.8
[C_YYI ENE	90-47-0		

METHOD: TPH-G/D

DATE ANALYZED: 10/4/95

REFERENCE: EPA MOD 8015

UNITS:

MG/KG

COMPOUND NAME	report <b>in</b> g Limit	SAMPLE
(m) (a)	1.00	1.34
TPH-G	10.0	NA
TPH-D*		

ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE

DIESEL RANGE EXTRACTABLES GC/FI	D PATTERN
DIESEL FUEL	
DEGRADED DIESEL FUEL	
PETROLEUM - HEAVIER THAN DIESEL	
PETROLEUM - LIGHTER THAN DIESEL	
LINIVANOWN EXTRACTABLES PATTERN	

PREPARED BY:	AO
DATE:	10/8/15
DA 16	
ADDDON/ED BY-	BM2
APPROVED BY:	/1/1/

DATE: 10/12/95

## KPI PROJ # 9411



☐ Albuquerque 505 Marquette NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (505) 842-0595 D Mid Atlantic Region 4221 Forbes BNd., Ste. 240 Lanhem, MD 20706-4325 (301) 459-9677 FAX: (301) 459-3064 ☐ NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX: (505) 524-5315 Nº 9682

### **Chain of Custody**

A BOM Prierregistral Coropany	FAX: (505) 8424	059 <b>5</b>	FAX	: (301)	459-3	3064							~						Da	ue /	10/	3/	95		Page		<u>_</u> c	1	<u>/</u>
													7	> <u>A</u> r	naly	sis	Req	ues					-						
Lab Name K-PRIM Address 4197 L RICHMO Telephone (510)	ND, CALIFOL 222-4815	. SUITE 170 RNIA 94806		THE VOIDER	nols, Sub Prenote BO40	Peestochen/PCB ecse/scen	mucheer Aromatic Inscarbone 810/8310	Voletile Compounds GCAMS 624/1240	Bassinisu/Add Compounds GCAAS 825/8270	al Organic Carbon OC) 4 (\$49060	al Organic Halicon	Pestsieum Hydrocaftore 418.1	2				Promisy Politikani Maraka (13)			Compaintly	Asserbity	Of a Green	Cyanide Total/Amenable	Chemical Onger		2	T. F		Number of Containers
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#### CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

#### **TRANSMITTAL**

DATE: 10/19/95

TO: Mr. L. Crain

Acct#: 100-9411

GCL

Project: 2000.006

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. /AK 10/17/95

Laboratory Director

SUBJECT: YOUR PROJECT #2000.006 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9510051429	SOIL	10/5/95	8525
9510051432	SOIL	10/5/95	8526

These samples were received in our laboratory on 10/5/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

9510051429 SAMPLE ID: K PRIME, INC. 8525 LAB NO: LABORATORY REPORT SOIL SAMPLE TYPE: 10/5/95 DATE SAMPLED: OUR PROJECT: 100-9411 14:29 TIME SAMPLED: YOUR PROJECT: ULTRAMAR-BEACON DATE ANALYZED: 10/9/95 METHOD: BTEX UNITS: UG/KG REFFERENCE: EPA 8020 SAMPLE CAS NO. REPORTING COMPOUND NAME CONC LIMIT ND 5.00 71-43-2 BENZENE ND 5.00 108-88-3 TOWENE ND 5.00 100-41-4 ETHYLBENZENE ND 5.00 1330-20-7 M-&P-XYLENE ND 5.00 95-47-6

10/9/95 DATE ANALYZED: METHOD: TPH-G/D MG/KG UNITS: **REFERENCE: EPA MOD 8015** 

SAMPLE REPORTING COMPOUND NAME CONC LIMIT ND 1.00 TPH-G NA 10.0 TPH-D\*

#### NOTES:

O-XYLENE

ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE

٠	- DIESEL RANGE EXTRACTABLES GC/FI	D PATTERN
	DIESEL FUEL	
	DEGRADED DIESEL FUEL	
	PETROLEUM - HEAVIER THAN DIESEL	
	PETROLEUM - LIGHTER THAN DIESEL	
	HINKNOWN EXTRACTABLES PATTERN	

PREPARED BY:	fb	
DATE:	10/10/95	
APPROVED BY:	RMC	
DATE:	10/12/95	

SAMPLE ID: 9510051432 K PRIME, INC. 8526 LAB NO: LABORATORY REPORT SOIL SAMPLE TYPE: 10/5/95 DATE SAMPLED: OUR PROJECT: 100-9411 TIME SAMPLED: 14:32 YOUR PROJECT: ULTRAMAR-BEACON 10/9/95 DATE ANALYZED: METHOD: BTEX UNITS: UG/KG **REFFERENCE: EPA 8020** SAMPLE CAS NO. REPORTING COMPOUND NAME CONC LIMIT 71-43-2 5.00 ND SENZENE ND 108-88-3 5.00 TOLLIENE ND 100-41-4 5.00 ETHYLBENZENE ND 1330-20-7 5.00 M-&P-XYLENE ND 95-47-6 5.00 **O-XYLENE** 10/9/95 DATE ANALYZED: METHOD: TPH-G/D MG/KG UNITS: **REFERENCE: EPA MOD 8015** SAMPLE REPORTING COMPOUND NAME CONC LIMIT ND TPH-G 1.00 NA 10.0 TPH-D\* NOTES: ND - NOT DETECTED AT STATED REPORTING UMIT NA - NOT APPLICABLE \* - DIESEL RANGE EXTRACTABLES GC/FID PATTERN DIESEL FUEL DEGRADED DIESEL FUEL PETROLEUM - HEAVIER THAN DIESEL

PETROLEUM - LIGHTER THAN DIESEL UNKNOWN EXTRACTABLES PATTERN

PREPARED BY:	AB
DATE:	10/10/15
APPROVED BY:	RAK
DATE.	10117195

# KPI Project #9411



© Albequerque 505 Marquette NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (506) 842-0595 Li Mid Atlantic Region 4221 Forbes Blvd., Ste. 240 Lanham, MD 20706-4325 (301) 459 9677 FAX: (301) 459 3064 ☐ NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX: (505) 524-5315 Νō

9667

### **Chain of Custody**

Date 10-5-95 Page 1 or 1

Lab Name K-PRI	ME										-		- J	A	naly	sis	Rec	ues	t				,						
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#### CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

#### **TRANSMITTAL**

**DATE:** 10/24/95

TO: Mr. L. Crain

Acct#: 100-9411 Project: 3121.002

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. AMC 10124195

Laboratory Director

SUBJECT: YOUR PROJECT #3121.002 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9510101530	SOIL	10/10/95	8570
9510101545	SOIL	10/10/95	8571

These samples were received in our laboratory on 10/11/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

K PRIME, INC. SAMPLE ID: 9510101530 LABORATORY REPORT 8570 LAB NO: SAMPLE TYPE: SOIL DATE SAMPLED: **OUR PROJECT: 100-9411** 10/10/95 YOUR PROJECT: BEACON TIME SAMPLED: 15:30 DATE ANALYZED: 10/18/95 METHOD: BTEX **REFFERENCE: EPA 8020** UG/KG UNITS: COMPOUND NAME CAS NO. REPORTING SAMPLE CONC LIMIT BENZENE ND 71-43-2 5.00 ND TOWENE 108-88-3 5.00 ETHYLBENZENE 100-41-4 5.00 ND ND M-&P-XYLENE 1330-20-7 5.00 O-XYLENE 5.00 ND 95-47-6 METHOD: TPH-G/D DATE ANALYZED: 10/18/95 MG/KG **REFERENCE: EPA MOD 8015** UNITS: REPORTING SAMPLE COMPOUND NAME LIMIT CONC TPH-G ND 1.00 TPH-D\* NA 10.0 NOTES: ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE \* - DIESEL RANGE EXTRACTABLES GC/FID PATTERN DIESEL FUEL DEGRADED DIESEL FUEL PETROLEUM - HEAVIER THAN DIESEL PETROLEUM - LIGHTER THAN DIESEL UNKNOWN EXTRACTABLES PATTERN PREPARED BY: DATE: 10/19/95 APPROVED BY: RAK

DATE: 10/24/95

K PRIME, INC. SAMPLE ID: 9510101545 LABORATORY REPORT LAB NO: 8571 SAMPLE TYPE: SOIL **OUR PROJECT: 100-9411** DATE SAMPLED: 10/10/95 YOUR PROJECT: BEACON TIME SAMPLED: 15:45 METHOD: BTEX DATE ANALYZED: 10/18/95 **REFFERENCE: EPA 8020** UG/KG UNITS: COMPOUND NAME CAS NO. REPORTING **SAMPLE** LIMIT CONC BENZENE 71-43-2 ND 5.00 TOLUENE ND 108-88-3 5.00 **ETHYLBENZENE** 100-41-4 5.00 ND M-&P-XYLENE 1330-20-7 5.00 ND O-XYLENE 95-47-6 ND 5.00 METHOD: TPH-G/D DATE ANALYZED: 10/18/95 **REFERENCE: EPA MOD 8015** UNITS: MG/KG COMPOUND NAME REPORTING SAMPLE CONC LIMIT TPH-G 1.00 ND TPH-D\* 10.0 NA NOTES: ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE \* - DIESEL RANGE EXTRACTABLES GC/FID PATTERN DIESEL FUEL DEGRADED DIESEL FUEL PETROLEUM - HEAVIER THAN DIESEL PETROLEUM - LIGHTER THAN DIESEL UNKNOWN EXTRACTABLES PATTERN PREPARED BY: DATE:

APPROVED BY:\_\_\_\_\_\_\_



☐ Albuquerque 505 Marquelle NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (505) 842-0595 LI Mid Allantic Region 4221 Forbes Blvd., Ste. 240 Lanham, MD 20706-4325 (301) 459-9677 FAX: (301) 459-3064 LI NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX: (505) 524-5315 KPI Project #
9411

Nº 9665

### **Chain of Custody**

Date Oct. 11,1995 Page / Of /

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#### CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 Fax: 222-4817

#### **TRANSMITTAL**

**DATE:** 10/26/95

TO: Mr. L. Crain

Acct#: 100-9411 Project: 3121-002

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. AAK 10/24/95

Laboratory Director

SUBJECT: YOUR PROJECT #3121-002 LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID

SAMPLE TYPE

DATE

KPI LAB #

9510121100

SOIL

10/12/95

8644

These samples were received in our laboratory on 10/16/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

K PRIME, INC. SAMPLE ID: 9510121100 LABORATORY REPORT LAB NO: 8644 SOIL SAMPLE TYPE: **OUR PROJECT: 100-9411** DATE SAMPLED: 10/12/95 YOUR PROJECT: ULTRAMART TIME SAMPLED: 11:00 METHOD: BTEX DATE ANALYZED: 10/18/95 **REFFERENCE: EPA 8020** UG/KG UNITS: COMPOUND NAME CAS NO. REPORTING SAMPLE CONC LIMIT BENZENE 6.68 71-43-2 5.00 TOLUENE 108-88-3 5.00 7.86 ETHYLBENZENE 100-41-4 5.00 ND M-&P-XYLENE 1330-20-7 22.5 5.00 O-XYLENE 5.00 95-47-6 104 METHOD: TPH-G/D DATE ANALYZED: 10/18/95 **REFERENCE: EPA MOD 8015** UNITS: MG/KG

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	1.00
TPH-D*	10.0	NA

#### NOTES:

ND - NOT DETECTED AT STATED REPORTING LIMIT NA - NOT APPLICABLE

#### \* - DIESEL RANGE EXTRACTABLES GC/FID PATTERN

DIESEL FUEL	
DEGRADED DIESEL FUEL	
PETROLEUM - HEAVIER THAN DIESEL	
PETROLEUM - LIGHTER THAN DIESEL	
UNKNOWN EXTRACTABLES PATTERN	-

PREPARED BY:	AB	
DATE:	10/19/95	
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APPROVED BY:	RAK	
DATE:	10/24/95	
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505 Marquette NW, Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX: (505) 842-0595

4221 Forbes Blvd., Ste. 240 Lanham, MD 20706-4325 (301) 459-9677 FAX: (301) 459-3064

**U** NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353

FAX: (505) 524-5315

KPI Project # 9411

Νō 9668

### **Chain of Custody**

Dale 10/12/45 Page 1 Of 1

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K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815

Fax: 222-4817

TRANSMITTAL

DATE: 10/26/95

TO: Mr. L. Crain Acct#: 100-9411

GCL Project: Ultramar/Beacon

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 FAX: (510) 551-5105

FROM: Richard A. Kagel, Ph.D. AMI 10131195

Laboratory Director

SUBJECT: YOUR PROJECT "Ultramar/Beacon" LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID	SAMPLE TYPE	DATE	KPI LAB #
9510160855	SOIL	10/16/95	8685
9510181640	SOIL	10/18/95	8686
9510181650	SOIL	10/18/95	8687

These samples were received in our laboratory on 10/19/95 and tested as requested on the attached chain of custody form.

Please call me if you have any questions or need further information. Thank you for this opportunity to be of service.

K PRIME, INC. SAMPLE ID: 9510160855

LABORATORY REPORT LAB NO: 8685 SAMPLE TYPE: SOIL

OUR PROJECT: 100-9411 **DATE SAMPLED:** 10/16/95

YOUR PROJECT: ULTRAMART/BEACON TIME SAMPLED: 8:55

METHOD: BTEX DATE ANALYZED: 10/20/95

**REFFERENCE: EPA 8020** UNITS: UG/KG

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
BENZENE	71-43-2	5.00	ND
TOLUENE	108-88-3	5.00	ND
ETHYLBENZENE	100-41-4	5.00	ND
M-&P-XYLENE	1330-20-7	5.00	ND
O-XYLENE	95-47-6	5.00	ND

METHOD: TPH-G/D **DATE ANALYZED:** 10/20/95

**REFERENCE: EPA MOD 8015** UNITS: MG/KG

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1.00	ND
TPH-D*	10.0	NA

#### NOTES:

ND - NOT DETECTED AT STATED REPORTING LIMIT

NA - NOT APPLICABLE

•	- DIESEL RANGE EXTRACTABLES GC/FI	D PATTERN
	DIESEL FUEL	
	DEGRADED DIESEL FUEL	
	PETROLEUM - HEAVIER THAN DIESEL	
	PETROLEUM - LIGHTER THAN DIESEL	
	UNKNOWN EXTRACTABLES PATTERN	

PREPARED BY:	H6
DATE:	10/24/45
•	

APPROVED BY: YEAK DATE: 10/3/195

SAMPLE ID: 9510181640 K PRIME, INC.

8686 LAB NO: LABORATORY REPORT

SOIL SAMPLE TYPE: 10/18/95 DATE SAMPLED: **OUR PROJECT: 100-9411** 

16:40 TIME SAMPLED: YOUR PROJECT: ULTRAMART/BEACON

10/20/95 DATE ANALYZED: **METHOD: BTEX** 

UG/KG UNITS: **REFFERENCE: EPA 8020** 

COMPOUND NAME	CAS NO.	REPORTING LIMIT	SAMPLE CONC
BENZENE	71-43-2	5.00	ND
TOLUENE	108-88-3	5.00	ND
ETHYLBENZENE	100-41-4	5.00	ND
M-&P-XYLENE	1330-20-7	5.00	12.6
O-XYLENE	95-47-6	5.00	6.11

DATE ANALYZED: 10/20/95 METHOD: TPH-G/D

MG/KG UNITS: REFERENCE: EPA MOD 8015

COMPOUND NAME	REPORTING LIMIT	SAMPLE CONC
TPH-G	1,00	ND
TPH-D*	10.0	NA

#### NOTES:

ND - NOT DETECTED AT STATED REPORTING LIMIT

NA - NOT APPLICABLE

- DIESEL RANGE EXTRACTABLES GC/FI	D PATTERN_
DIESEL FUEL	
DEGRADED DIESEL FUEL	
PETROLEUM - HEAVIER THAN DIESEL	
PETROLEUM - LIGHTER THAN DIESEL	
UNKNOWN EXTRACTABLES PATTERN	

PREPARED BY:	AB
DATE:_	10/24/95

APPROVED BY: RAK DATE: 10131/95



 Abuquerque 505 Marquette NW Ste. 1100 Albuquerque, NM 87102 (505) 842-0001 FAX. (505) 842-0595

🚉 Mia Allantic Region 4221 Forbes Blvd., Ste. 240 Lanham, MD 20706-4325 1301; 459-9677 FAX (301) 459-3064

☐ NASA-WSTF PO Drawer MM Las Cruces, NM 88004 (505) 524-5353 FAX (505) 524 5315

KPI Project # 9411

Νō 9684

# Chain of Custody

Date Oct. 18 11 Page 1 01 1

Lab Name K-PRIME												Ar	naly	sis	Rec	ue:	st				<b></b>						
Address 4197 LAKESIDE CRICHMOND, CALIF	ORNIA 94806	Halogenaicd Volatiles 601/8010	natic Volatiles	Phenois 60a/8040	18080	Hydrocarbone 610/8310	MS 624/8240	OCAAS 625/8270	(TOC) 415/9060	TOX) 9020	Hydrocarbons 418.1 TPH/6TEX Modified 8015	TCLP- Vol., Semi-Vol.	TCLP. Metals	RCAA Meise(8)	Priority Pollutani Matala (13)	CAM Metals (18)	Flash Point	Corrosivity	Reactivity	ON & Greater	Cyanide Total/Amenable	Chemical Drygen Damand (COD)	TPH(C)	L/GI			Number of Containers
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K PRIME, INC.

CONSULTING ANALYTICAL CHEMISTS

4197 Lakeside Dr., Suite 170

Richmond, CA 94806 (510) 222-4815 222-4817 Fax:

#### TRANSMITTAL

DATE: 11/21/95

TO: Mr. L. Crain

Acct#: 100-9411

GCL

Project: Ultramar/Beacon

11501 Dublin Blvd., Suite 200

Dublin, CA 94688

Phone: (510) 551-5011 (510) 551-5105 FAX:

FROM: Richard A. Kagel, Ph.D. (Ak W. ) John Laborators D.

SUBJECT: YOUR PROJECT "Ultramar/Beacon" LABORATORY RESULTS

Enclosed please find K Prime's laboratory reports for the following samples:

SAMPLE ID

SAMPLE TYPE

KPI LAB #

BIN 5,7,6,4 COMPOSITE

SOIL

8685/8686/8644/8570

As requested, we prepared a composite sample from four individual bin samples (bins 5,7,6, and 4) previously submitted, and tested the composite sample for STLC lead in our subcontract laboratory.

Thank you for this opportunity to be of service.

cc: Mr. Terry Fox

K PRIME, INC.

LABORATORY REPORT

SAMPLE ID: BIN COMPOSITE

LAB NO: {8685/8686/

8644/8570}

OUR PROJECT: 9411

YOUR PROJECT: ULTRAMAR

SAMPLE TYPE: WET LEACHATE

DATE SAMPLED: TIME SAMPLED: 11/15/95 12:00

METHOD: STLC LEAD

UNITS:

μG/L

COMPOUND NAME	REFERENCE METHOD	ANALYSIS DATE	REPORTING	SAMPLE CONC
LEAD	EPA 6010A	11/20/95	150	170

NOTES:

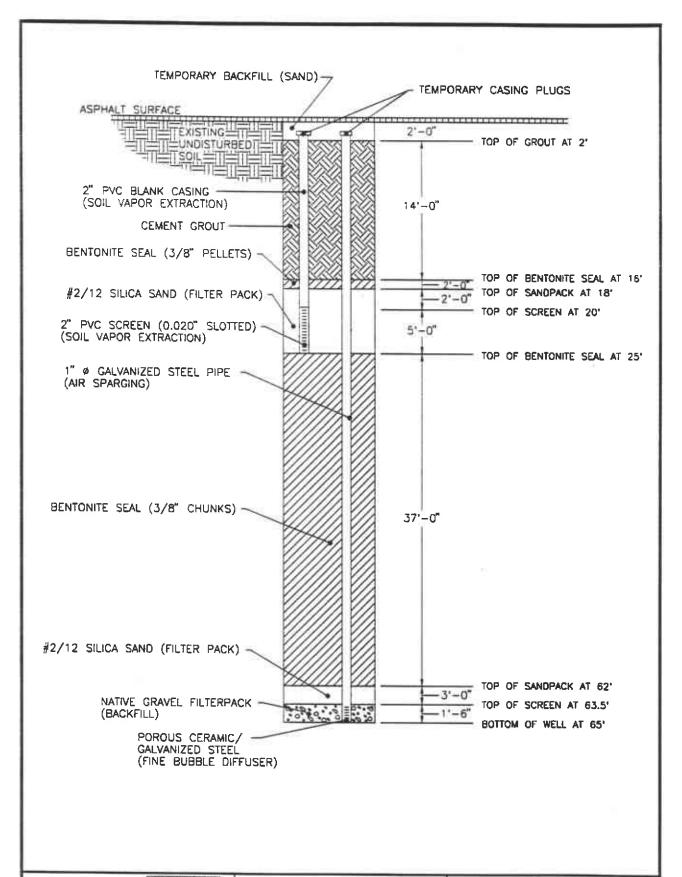
ND - NOT DETECTED AT STATED REPORTING LIMIT

PREPARED BY:\_\_\_\_

DATE:

APPROVED BY: \_\_\_\_ RMX

DATE: (1/21/9)

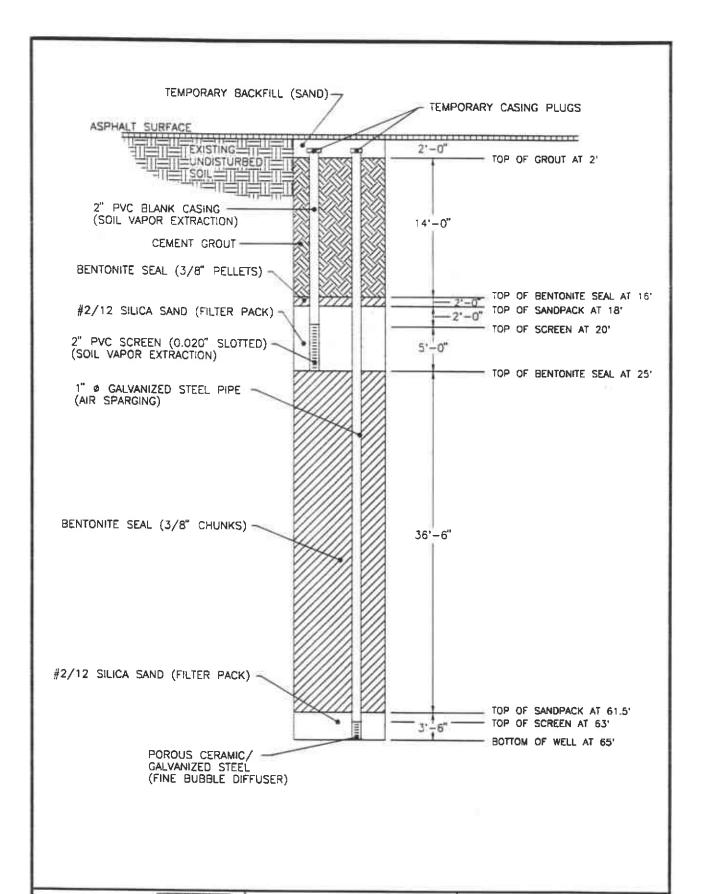






DATE: 10/17/95	REV. NO.: 0	
AUTHOR: GJV	DRAWN BY: MP	
CK'D BY: DLC	FILE: RW01CD.DWG	

RW-1 WELL INSTALLATION DETAIL BEACON STATION NO. 604

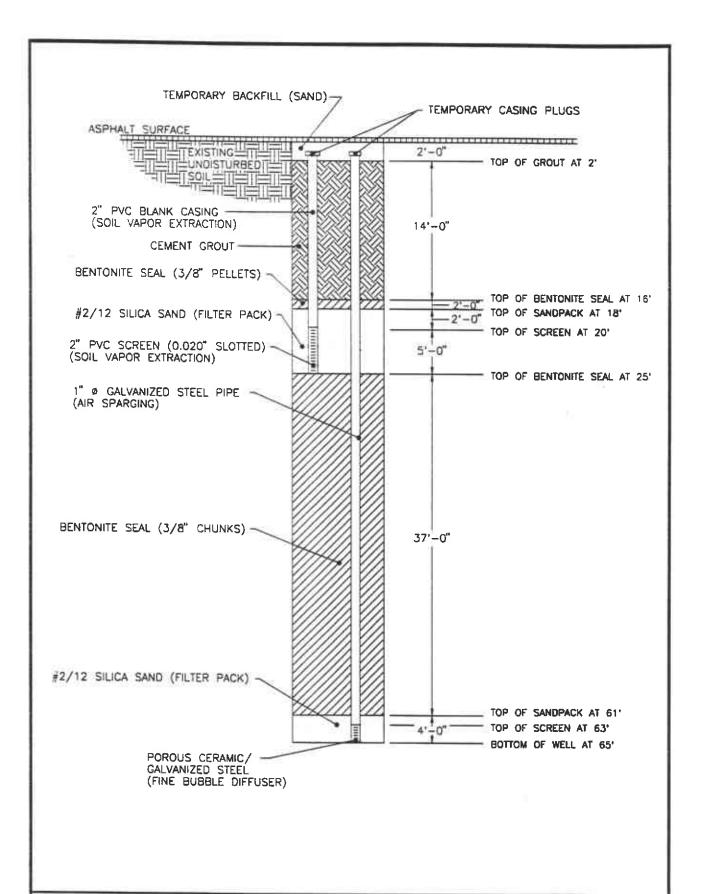






CLIENT: GLIRAMAR INC.	
DATE: 10/17	/95 REV. NO.: 0
AUTHOR: DTL	DRAWN BY: MP
CK'D BY: GJ	FILE: RW02CD.DWG

RW-2 WELL INSTALLATION DETAIL BEACON STATION NO. 604

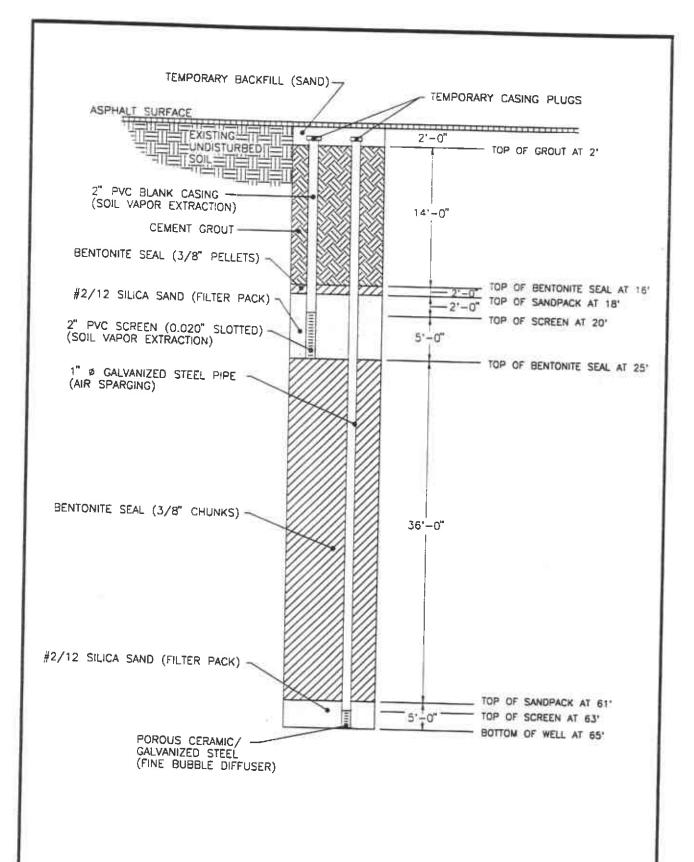






	CLIENT: ULTRAMAR	INC.
	DATE: 10/13/95	REV. NO.: 0
	AUTHOR: DTL	DRAWN BY: MP
l	CK'D BY: GJV	FILE: RW03CD.DWG

RW-3 WELL INSTALLATION DETAIL BEACON STATION NO. 604

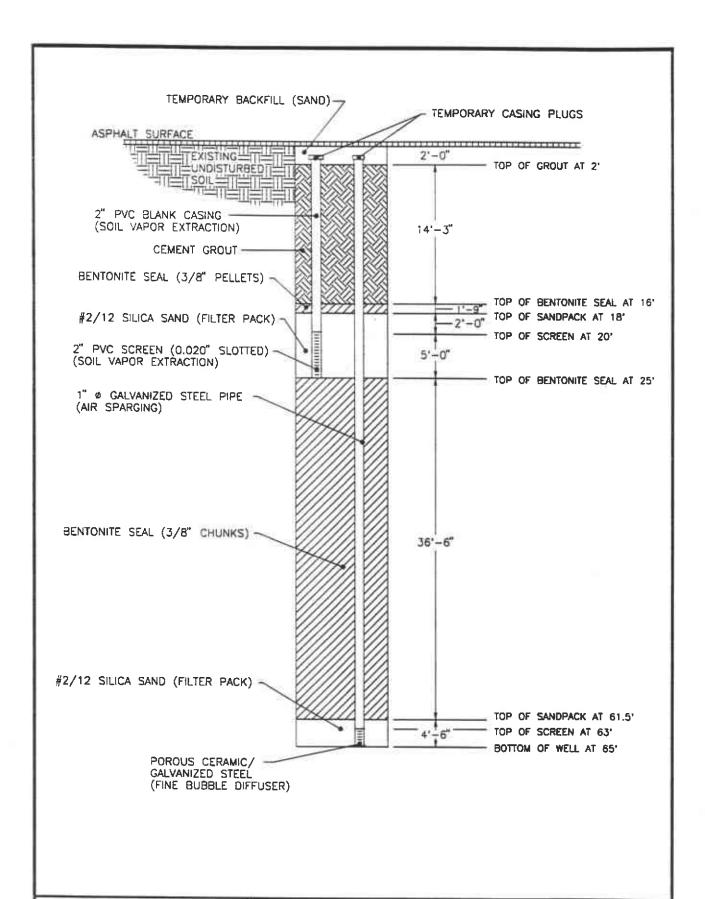






CLIENT: ULTRAMAR INC.	
DATE: 10/12/95	REV. NO.: 0
AUTHOR: DTL	DRAWN BY: MP
CK'D BY: GJV	FILE: RW04CD.DWG

RW-4 WELL INSTALLATION DETAIL BEACON STATION NO. 604

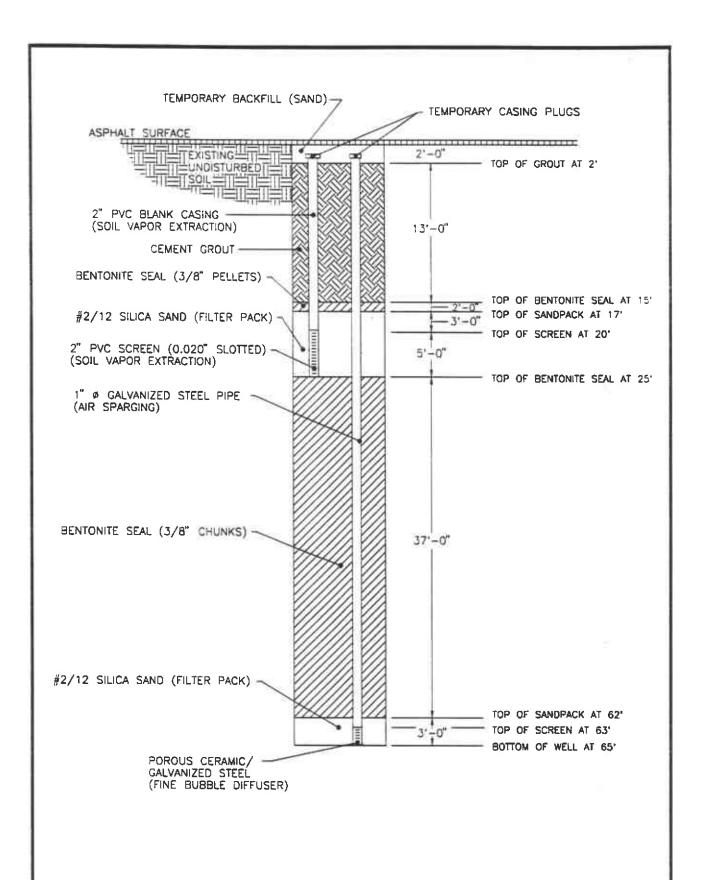






1	CLIENT: ULTRAMAR	INC.
	DATE: 10/12/95	REV. NO.; 0
	AUTHOR: DTL	DRAWN BY: MP
	CK'D BY: GJV	FILE: RW05CD.DWG

RW-5 WELL INSTALLATION DETAIL BEACON STATION NO. 604

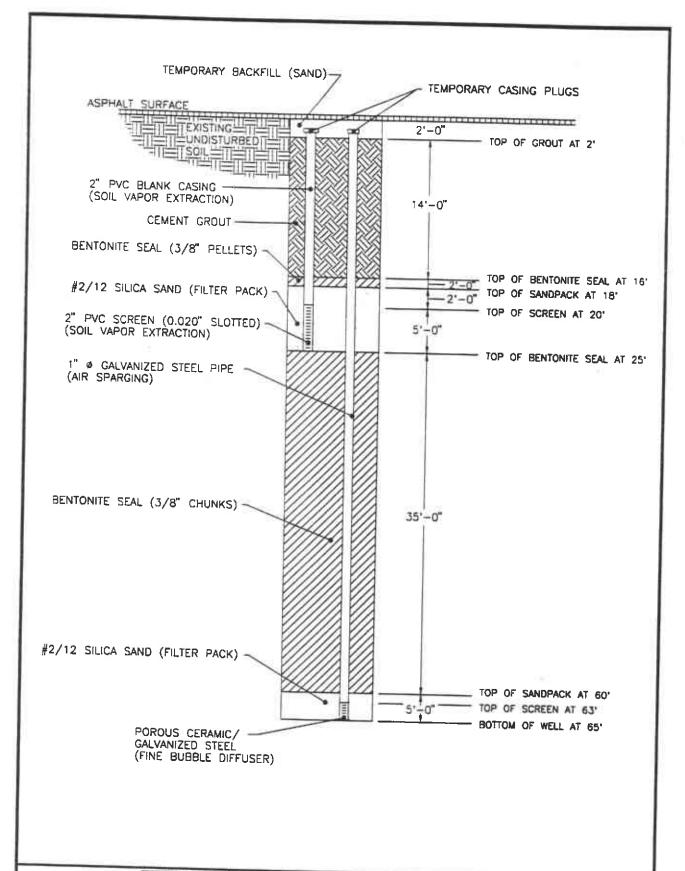






CLIENT: ULTRAMAR	INC.
DATE: 10/11/95	REV. NO.: 0
AUTHOR: DTL	DRAWN BY: MP
CK'D BY: GJV	FILE: RWO6CD.DWG

RW-6 WELL INSTALLATION DETAIL BEACON STATION NO. 604

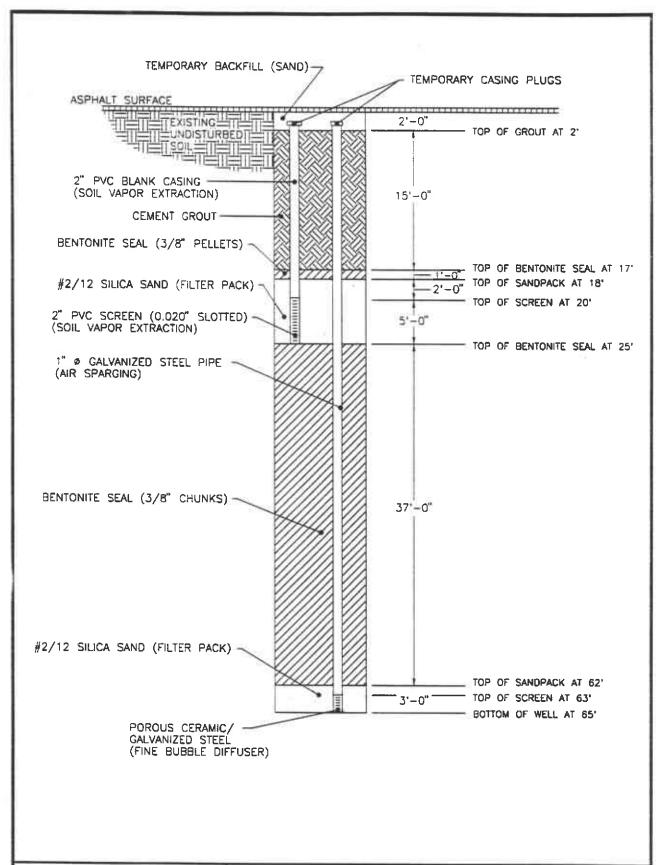






CLIENT: ULTRAMAR INC.		
DATE: 10/11/95	REV. NO.: 0	
AUTHOR: DTL	DRAWN BY: MP	
CK'D BY: GJV	FILE: RW07CD.DWG	

RW-7 WELL INSTALLATION DETAIL BEACON STATION NO. 604

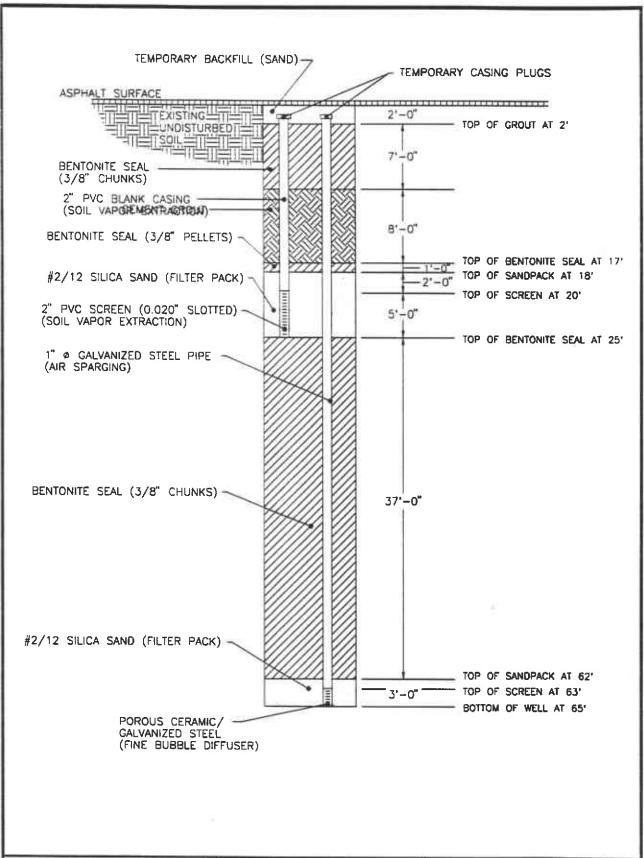


**GCL** 



CLIENT: ULTRAMAR	R INC.
DATE: 10/5/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RWO8CD.DWG

RW-8 WELL INSTALLATION DETAIL BEACON STATION NO. 604

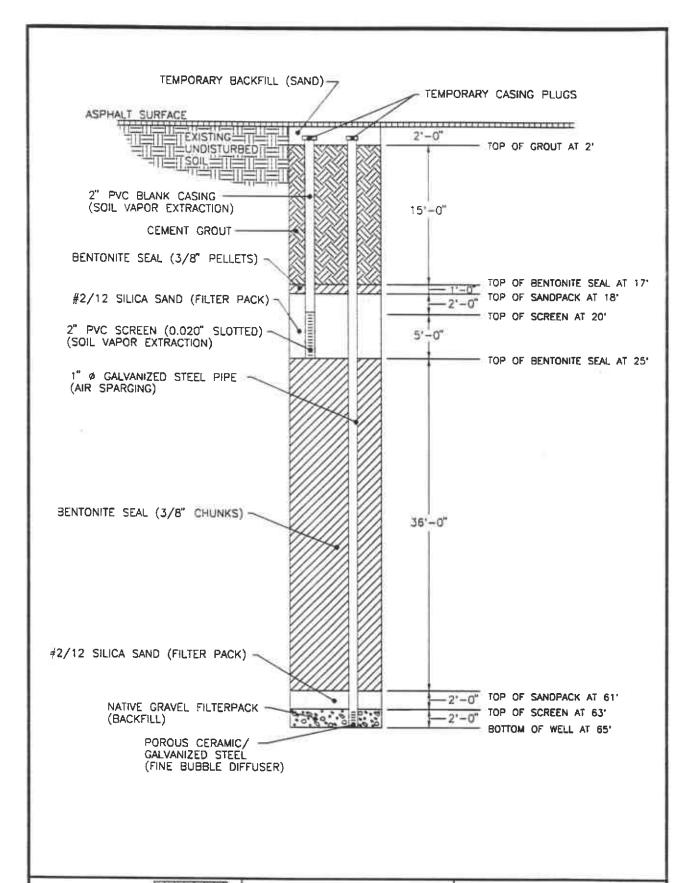






CLIENT: ULTRAMAR	R INC.
DATE: 10/4/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW09CD.DWG

RW-9 WELL INSTALLATION DETAIL BEACON STATION NO. 604

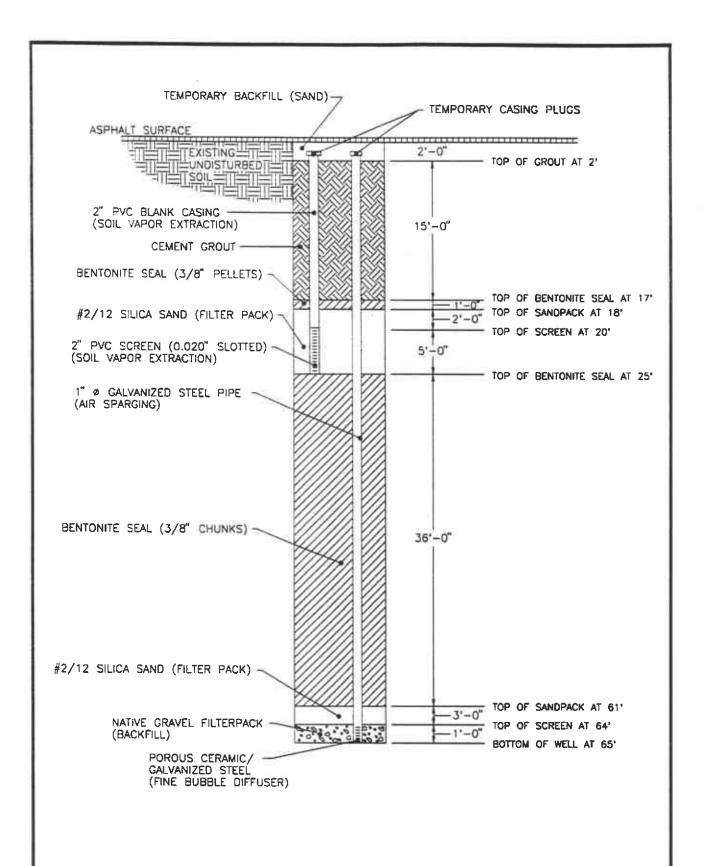






CLIENT: ULTRAMA	R INC.
DATE: 9/26/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DLC	FILE: RW10CD.DWG

RW-10 WELL INSTALLATION DETAIL BEACON STATION NO. 604

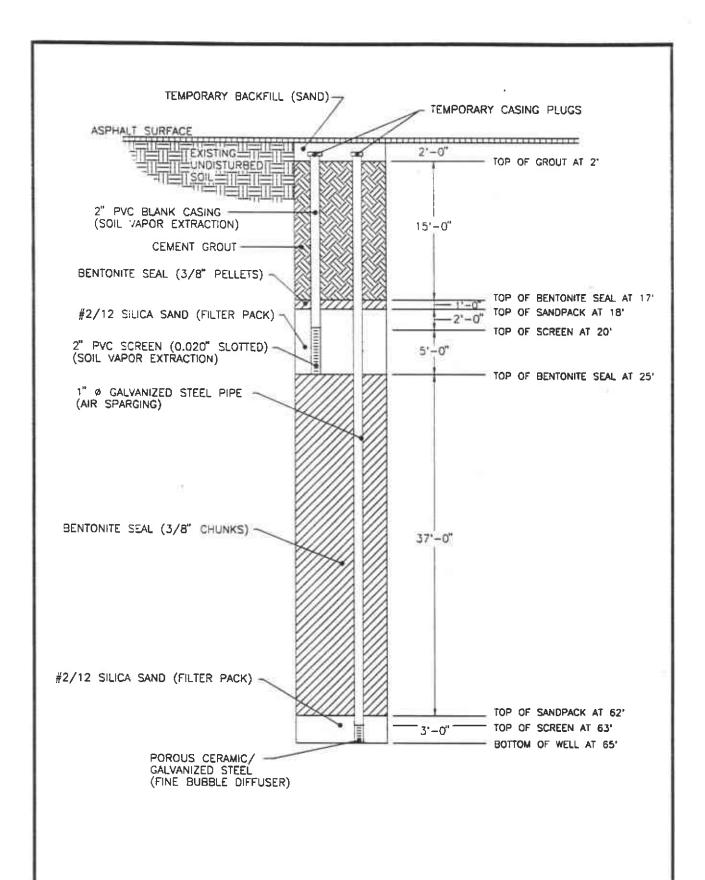






	CLIENT: ULTRAMAR	INC.
	DATE: 9/29/95	REV. NO.: 0
	AUTHOR: GJV	DRAWN BY: MP
j	CK'D BY: DTL	FILE: RW11CD.DWG

RW-11 WELL INSTALLATION DETAIL BEACON STATION NO. 604

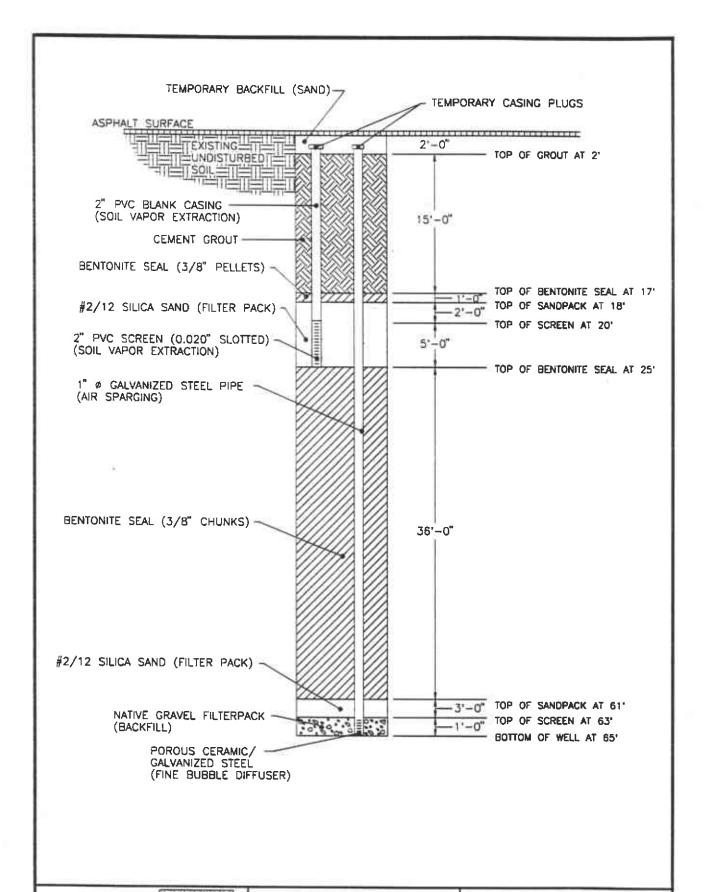






CLIENT: ULTRAMAR	INC.
DATE: 10/2/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW12CD.DWG

RW-12 WELL INSTALLATION DETAIL BEACON STATION NO. 604

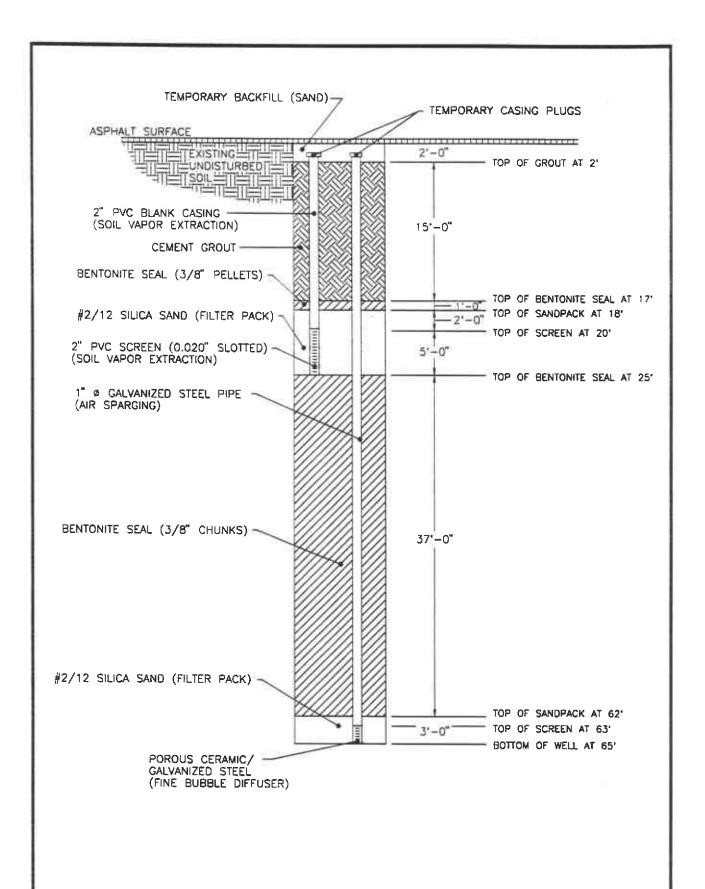






CLIENT: ULTRAMAR	INC.
DATE: 9/28/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DLC	FILE: RW13CD.DWG

RW-13 WELL INSTALLATION DETAIL BEACON STATION NO. 604

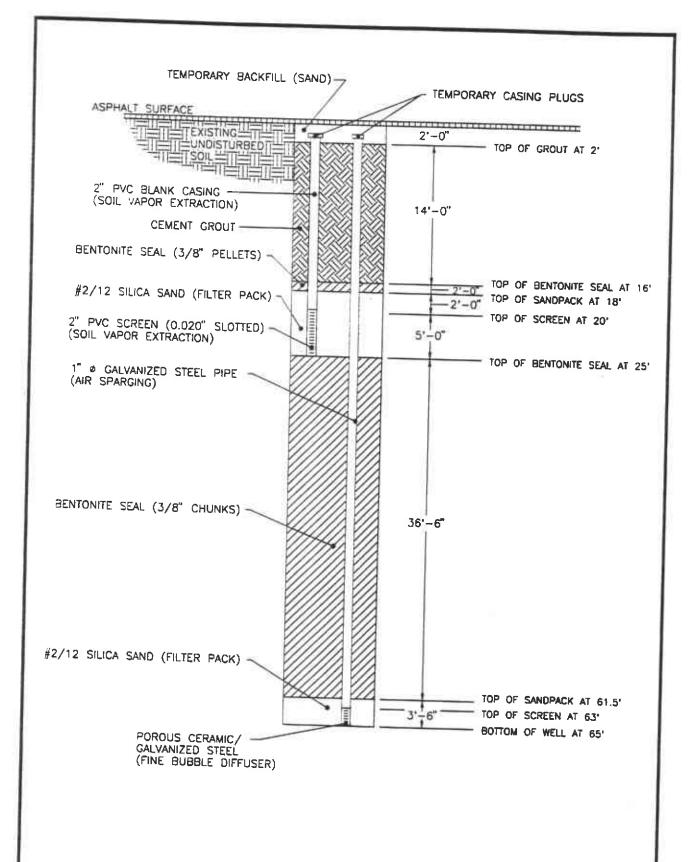






CLIENT: ULTRAMAR	R INC.
DATE: 10/4/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW14CD.DWG

RW-14 WELL INSTALLATION DETAIL BEACON STATION NO. 604

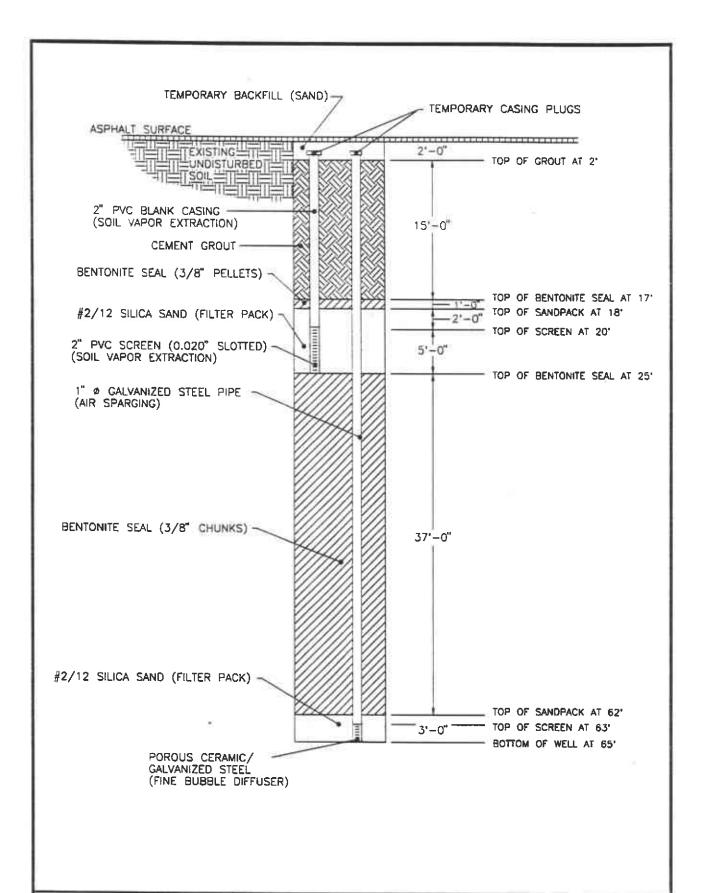






CLIENT: ULTRAMAR	INC.
DATE: 10/9/95	REV. NO.: 0
ALCTUAN	DRAWN BY: MP
CK'D BY: GJV	FILE: RW15CD.DWG

RW-15 WELL INSTALLATION DETAIL BEACON STATION NO. 604

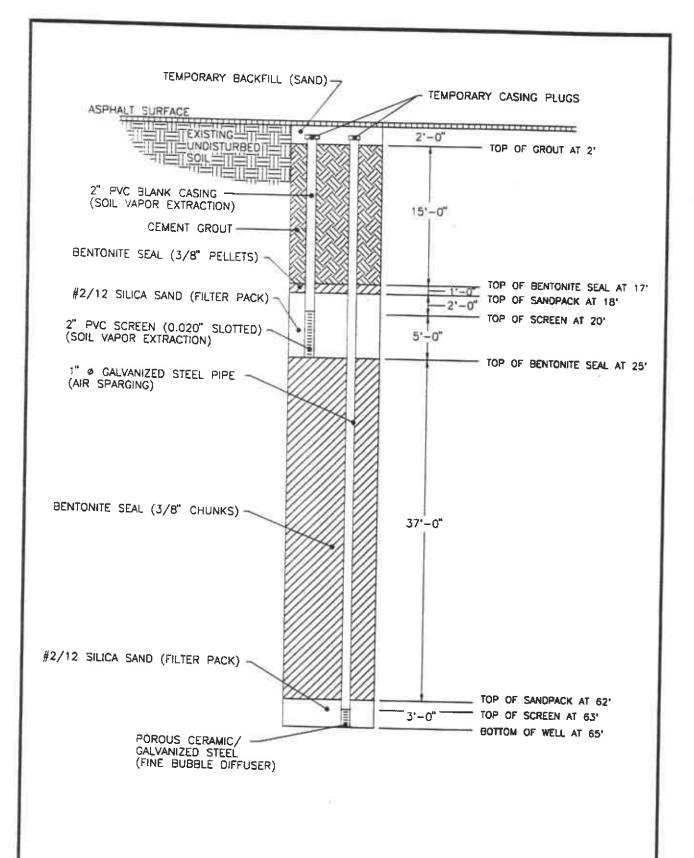






CLIENT: ULTRAMAR	INC.
DATE: 10/6/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW16CD.DWG

RW-16 WELL INSTALLATION DETAIL BEACON STATION NO. 604

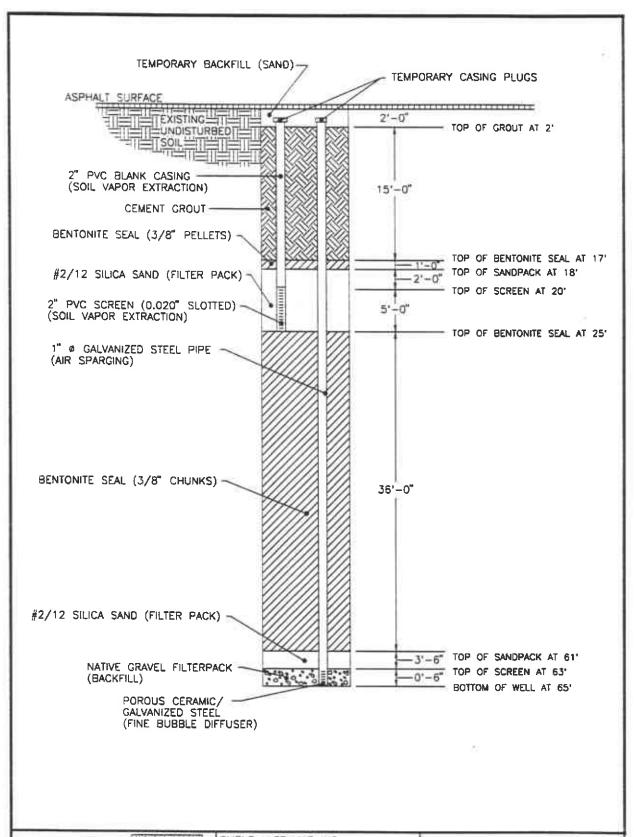


GCL



CLIENT: ULTRAMAR	INC.
DATE: 10/3/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DLC	FILE: RW17CD.DWG

RW-17 WELL INSTALLATION DETAIL BEACON STATION NO. 604

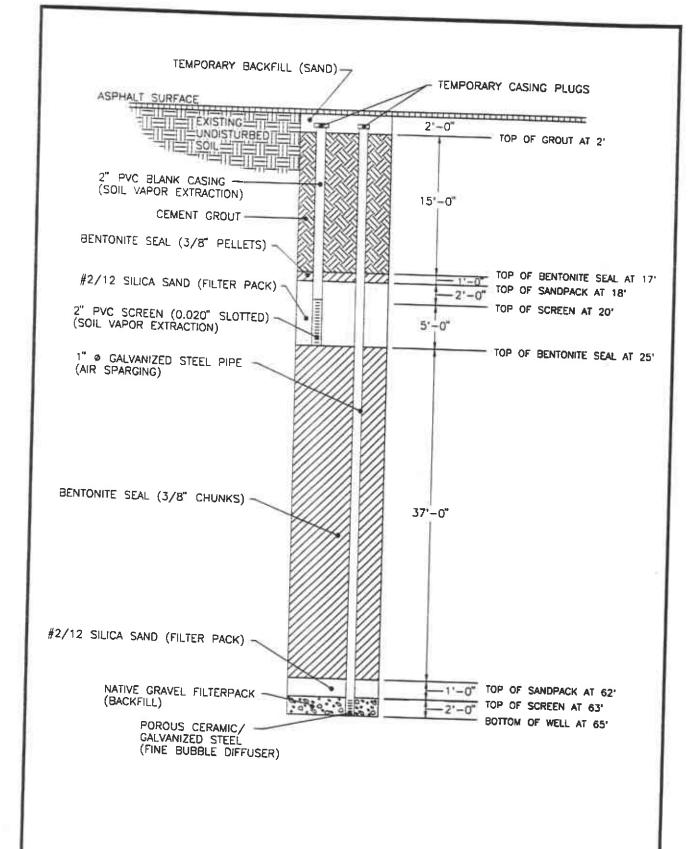






CLIENT: ULTRAMAR	INC.
DATE: 9/27/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DLC	FILE: RW18CD.DWG

RW-18 WELL INSTALLATION DETAIL BEACON STATION NO. 604

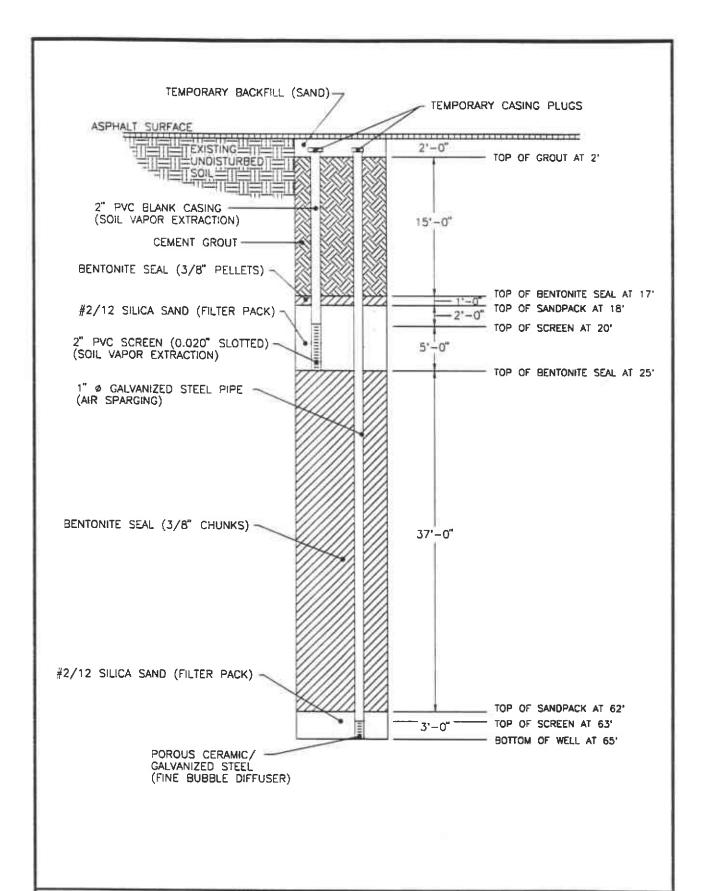






CLIENT: ULTR	AMAR INC.
DATE: 9/27/	
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW19CD.DWG

RW-19 WELL INSTALLATION DETAIL BEACON STATION NO. 604

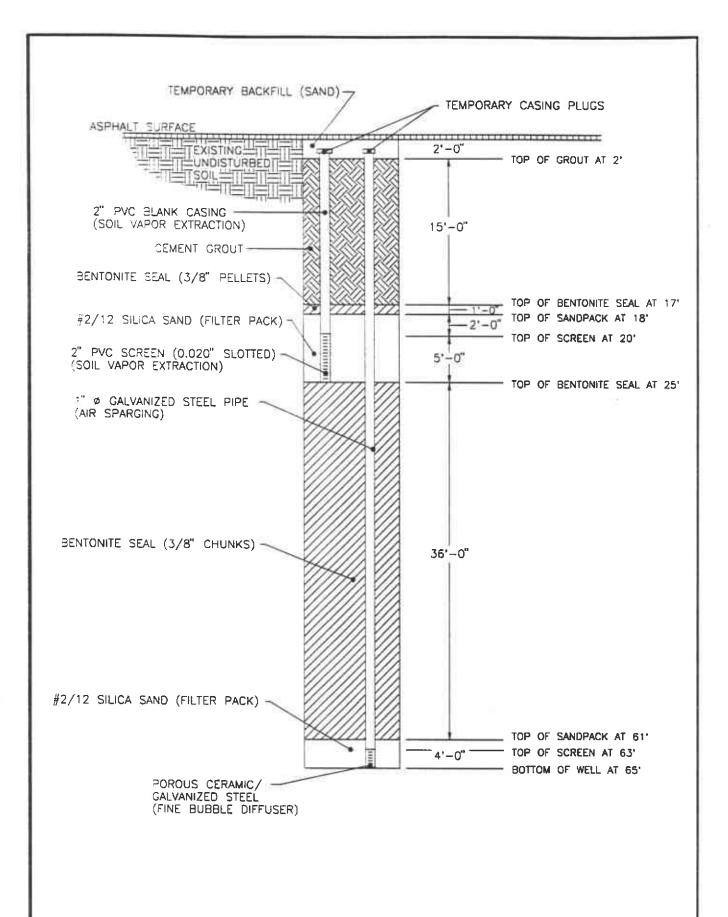






DATE: 10/5/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY: DTL	FILE: RW17CD.DWG

RW-20 WELL INSTALLATION DETAIL BEACON STATION NO. 604

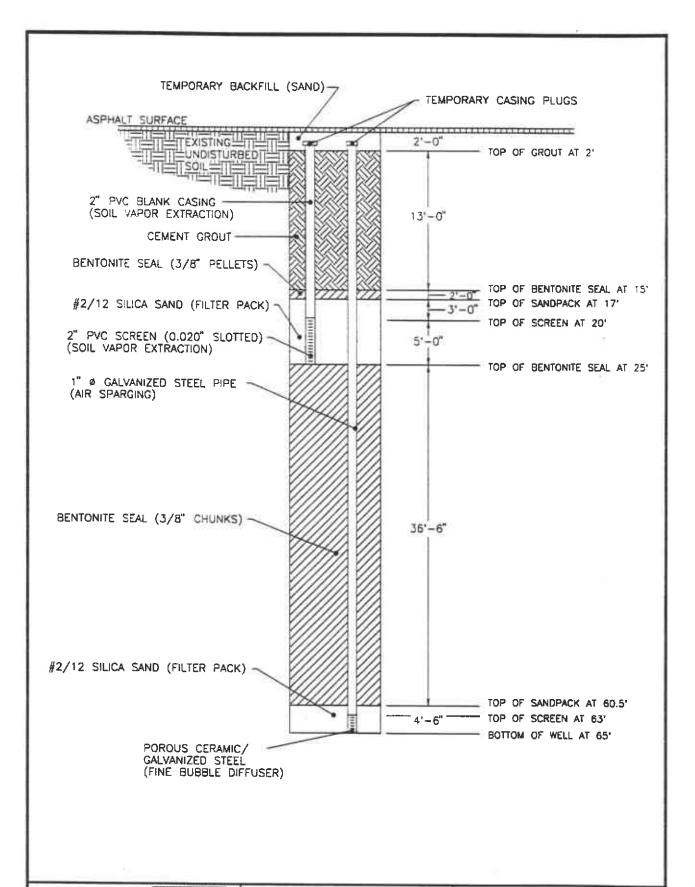






CLIENT: ULTRAMAR	R INC.
DATE: 10/6/95	REV. NO.: 0
AUTHOR: GJV	DRAWN BY: MP
CK'D BY- DT!	FILE: RW21CD DWG

RW-21 WELL INSTALLATION DETAIL BEACON STATION NO. 604

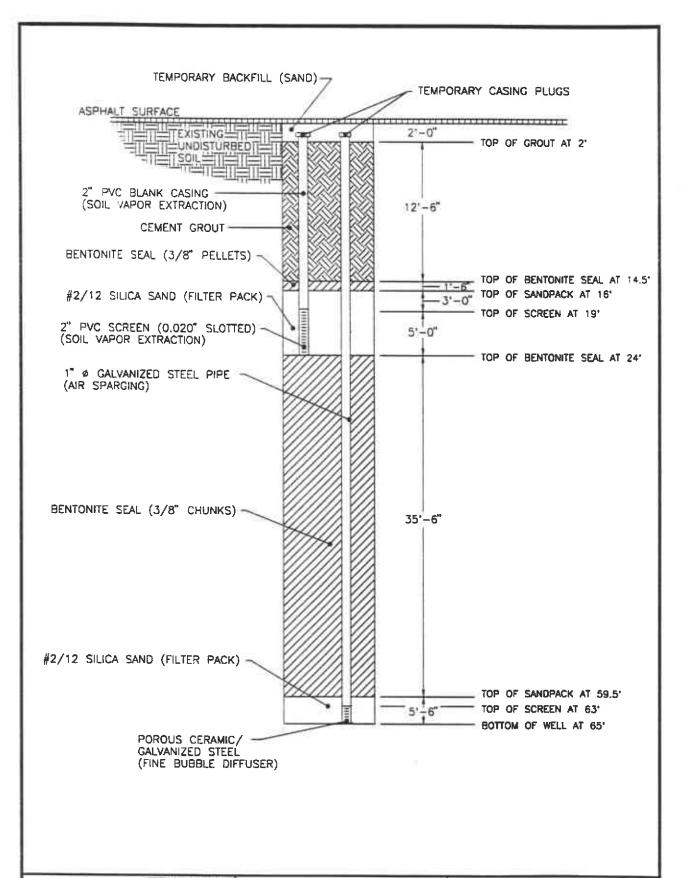






	CLIENT: ULTRAMAR	INC.
1	DATE: 10/16/95	REV. NO.: 0
1	AUTHOR: DTL	DRAWN BY: MP
	CK'D BY: GJV	FILE: RW22CD.DWG

RW-22 WELL INSTALLATION DETAIL BEACON STATION NO. 604

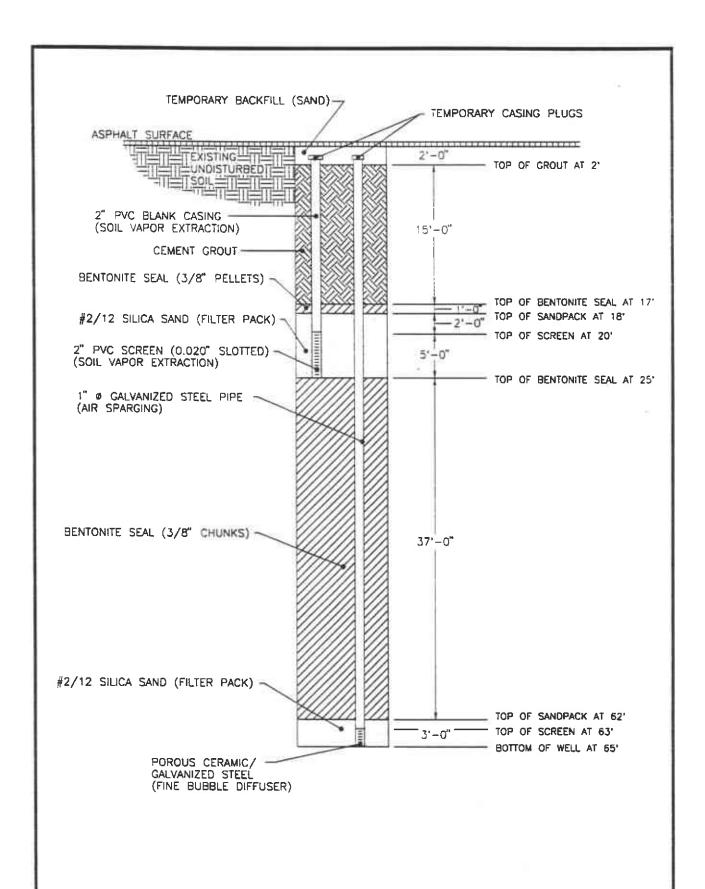






CLIENT: ULTRAMAR	INC.
DATE: 10/10/95	REV. NO.: 0
AUTHOR: DTL	DRAWN BY: MP
CK'D BY: GJV	FILE: RW23CD.DWG

RW-23 WELL INSTALLATION DETAIL BEACON STATION NO. 604

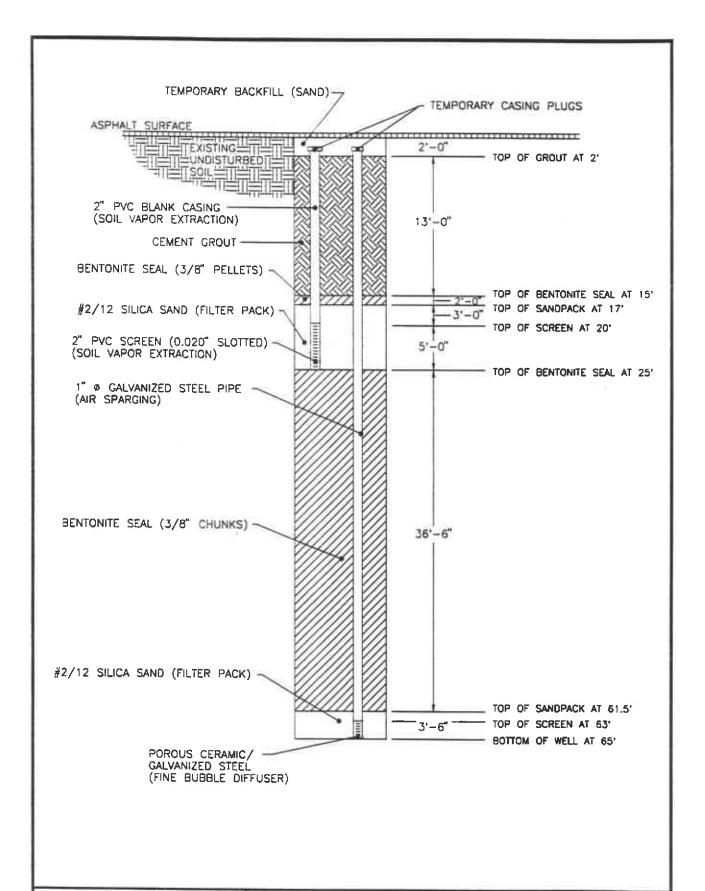






ı	CLIENT: ULTRAMAR	inc.
	DATE: 10/3/95	REV. NO.: 0
	AUTHOR: GJV	DRAWN BY: MP
	CK'D 8Y: DTL	FILE: RW24CD.DWG

RW-24 WELL INSTALLATION DETAIL BEACON STATION NO. 604

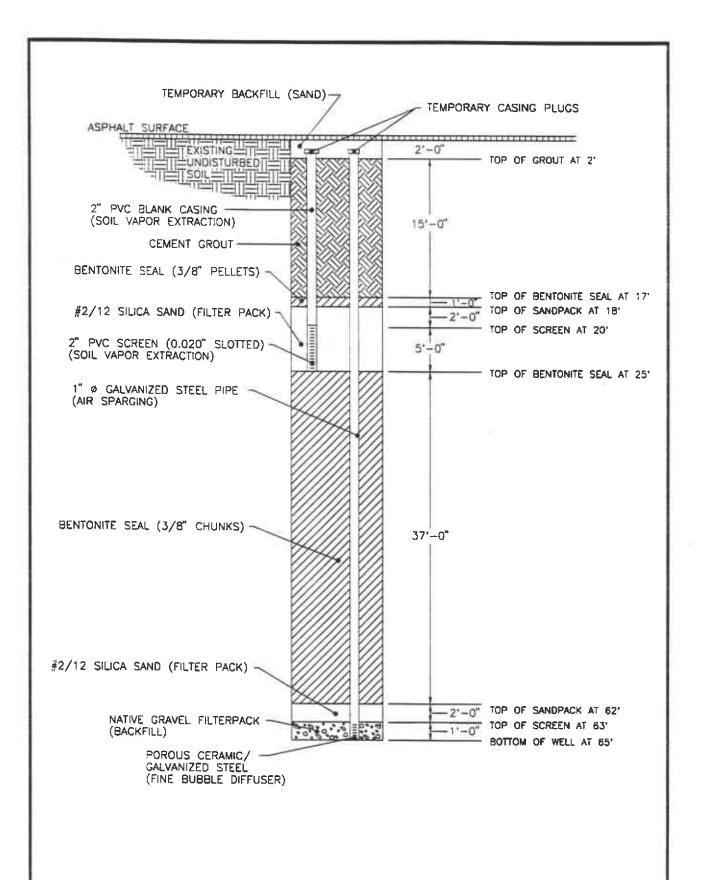


**GCL** 



	CLIENT: ULTRAMAR	INC.
	DATE: 10/16/95	REV. NO.: 0
	AUTHOR: DTL	DRAWN BY: MP
ı	CK'D BY: GJV	FILE: RW25CD DWG

RW-25 WELL INSTALLATION DETAIL BEACON STATION NO. 604

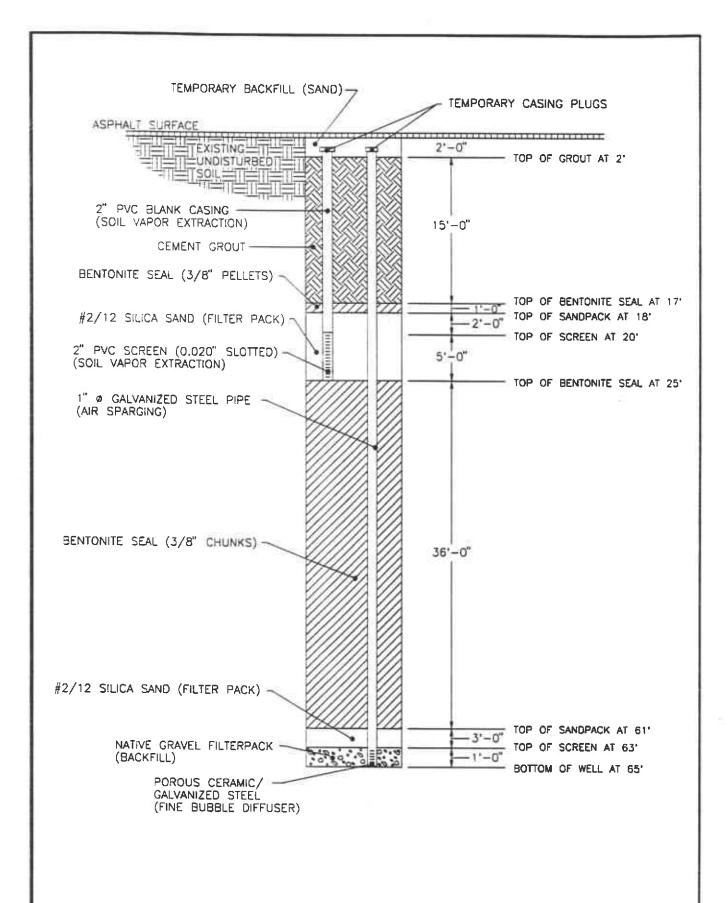


GCL



	CLIENT: ULTRAMAR	INC.
	DATE: 9/28/95	REV. NO.: 0
	AUTHOR: GJV	DRAWN BY: MP
١	CK'D BY: DTL	FILE: RW26CD.DWG

RW-26 WELL INSTALLATION DETAIL BEACON STATION NO. 604







-		
j	CLIENT: ULTRAMAR	INC.
j	DATE: 9/26/95	REV. NO.: 0
	AUTHOR: GJV	DRAWN BY: MP
Ì	CK'D BY: DLC	FILE: RW27CD.DWG

RW-27 WELL INSTALLATION DETAIL BEACON STATION NO. 604