

ADVANCED ASSESSMENT & REMEDIATION SERVICES
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FACSIMILE TRANSMITTAL SHEET

TO: Ms. eva chu	FROM: Tridib Guha
COMPANY: ACEHD	DATE: 02/22/01
FAX NUMBER: 510-567-6762	TOTAL NO. OF PAGES INCLUDING COVER: 45
PHONE NUMBER: 510-337-9335	SENDER'S REFERENCE NUMBER:
RE: AHMM Work Plan	YOUR REFERENCE NUMBER:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

NOTES/COMMENTS:

Hi eva:

Per your e-mail request, I am enclosing four pages (site plan, groundwater elevation map, dissolved phase hydrocarbon map, a table- summary of groundwater sampling) of the above referred site. When you talked to Mr. Larry Ockers of United Transmission, you can show him the groundwater gradient map and mention the migration of hydrocarbon plume. We would like to drill two soil borings and collect groundwater sample on his property to delineate the plume. Approximate, proposed locations of soil borings are presented on the site plan. If you would like to include me in the meeting, please let me know.

Thanks you.

Tridib

(510) 527-6878

**TABLE 2: SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLING for
TPH_g, BTEX, MTBE and TPH_d
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, California**

Sample ID	Date of Sampling	TPH _g (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH _d µg/L
MW-1 GW	08/06/99	1500	ND	4.3	2.9	9.1	28	1200
	08/06/99	Polynuclear Aromatic Hydrocarbon Analyses by EPA method 610 were non-detect with detection limit 1.0 µg/L.						
	11/05/99	1800	ND	5.1	3.2	8.9	33	1400
	02/07/00	1100	ND	3.3	1.9	5.6	21	890
	05/07/00	970	ND	2.9	1.7	4.9	18	650
	08/03/00	1200	360	190	43	41	160	270*
	11/08/00	4200	840**	990	200	130	560	230*
	02/08/01	2800	390	630	130	51	250	380*
MW-2 GW	08/06/99	ND	ND	ND	ND	ND	ND	340
	11/05/99	ND	ND	ND	ND	ND	0.7	420
	02/07/00	ND	ND	ND	ND	ND	0.6	310
	05/05/00	ND	ND	ND	ND	ND	ND	280
	08/03/00	460	3300	79	3	43	8	70*
	11/08/00	200	3000	57	2	13	8	120
	02/08/01	290	3100	50	11	0.6	4	80
MW-3 GW	08/06/99	ND	ND	ND	ND	ND	ND	ND
	11/05/99	92	ND	ND	ND	0.6	1.7	54
	02/07/00	120	ND	ND	0.6	0.8	2.2	71
	05/05/00	100	ND	ND	ND	0.7	1.9	68
	08/03/00	910	11000**	220	9	35	16	300*
	11/08/00	990	8000	320	0.8	18	9	200
	02/08/01	820	5200**	180	21	7	24	110
RL	11/10-15/00	50	0.5	0.5	0.5	0.5	1.0	50

Notes:
 ND- Not Detected RL- Reporting Limit NA- Not Analyzed
 µg/L- Microgram per liter (parts per billion)
 TPH_g- Total petroleum hydrocarbon as gasoline (EPA method modified 8015)
 TPH_d- Total petroleum hydrocarbon as diesel (EPA method modified 8015)
 MTBE- Methyl Tertiary Butyl Ether (EPA method 8020)
 BTEX- Benzene, toluene, ethylbenzene, and total xylenes (EPA method 8015)
 PAH- Polynuclear Aromatic Hydrocarbon (EPA method 610)
 * Does not match diesel pattern
 ** Confirmed by GC/MS method 8260

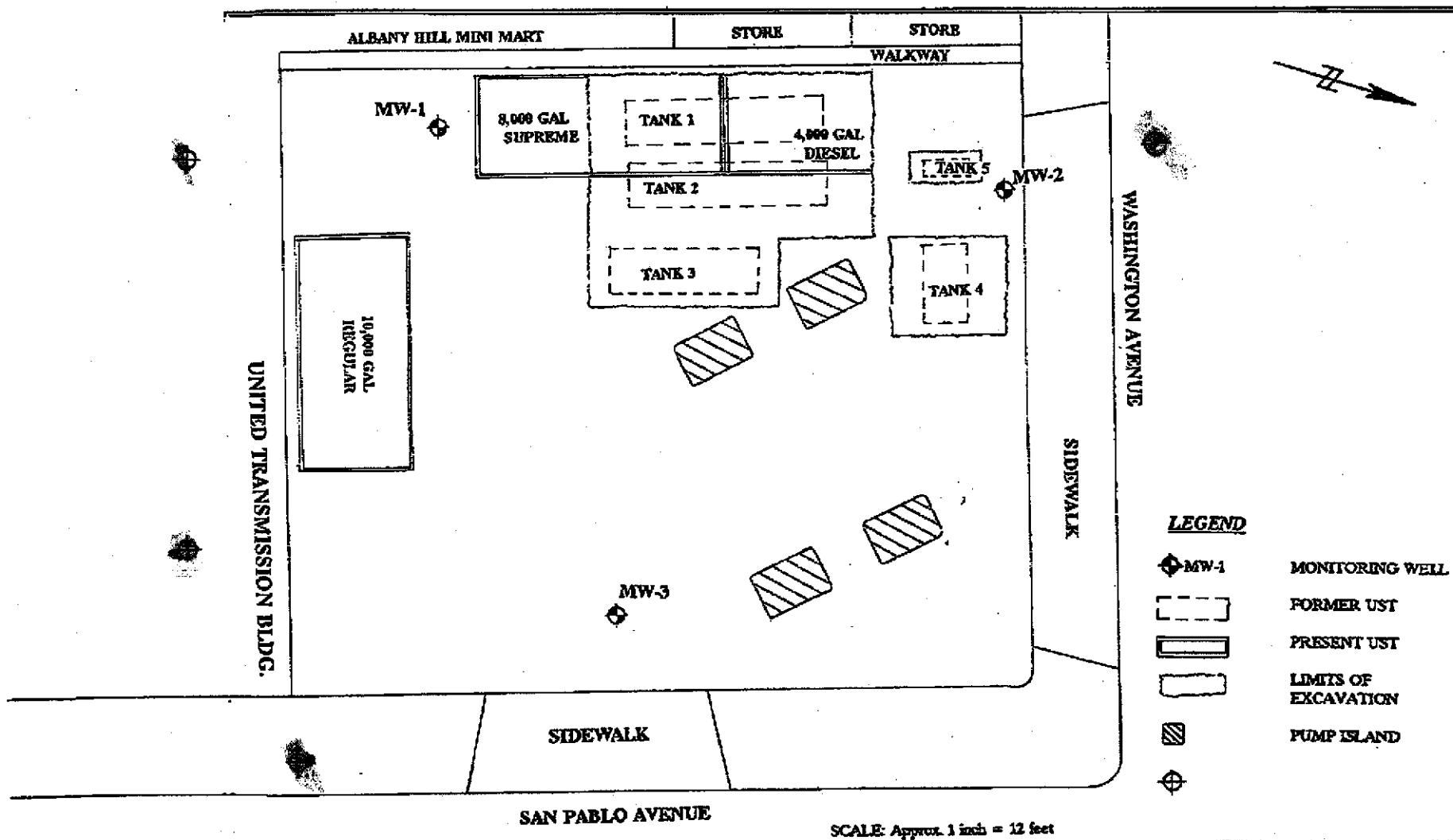


FIGURE 2: SITE PLAN
ALBANY HILL MINI MART
 800 San Pablo Avenue
 Albany, California

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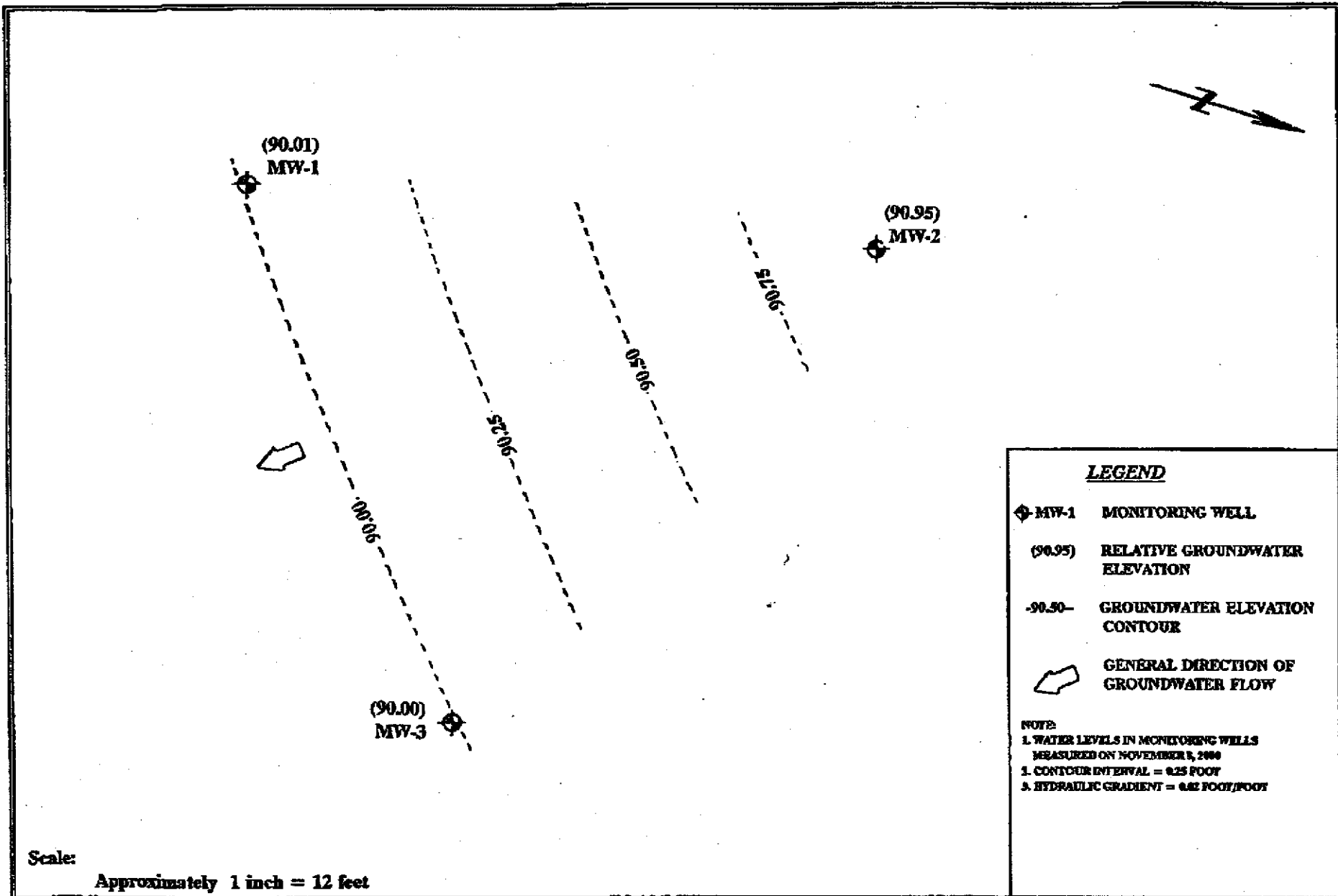


FIGURE 3: GROUNDWATER SURFACE ELEVATIONS (11/08/00)
ALBANY HILL MINI MART
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MW-1 ◆

TPH _g	4200
B	990
T	200
E	130
X	500
MTBE	840
TPH _d	230
Isopropylbenzene	5
n-Propyl Benzene	24
1,3,5-Trimethylbenzene	25
1,2,4-Trimethylbenzene	100
Naphthalene	23

MW-2 ◆

TPH _g	200
B	57
T	1
E	13
X	9
MTBE	3900
TPH _d	120

MW-3 ◆

TPH _g	990
B	330
T	0.3
E	18
X	9
MTBE	5000
TPH _d	200
Isopropylbenzene	1
n-Propyl Benzene	3
1,3,5-Trimethylbenzene	9
Naphthalene	2



LEGEND

◆ MW-1 MONITORING WELL

TPH _g	TOTAL PETROLEUM HYDROCARBONS GASOLINE
MTBE	METHYL TERTIARY BUTYL ETHER
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
TPH _d	TOTAL PETROLEUM HYDROCARBONS DIESEL

NOTE:
 1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (PARTS PER BILLION)
 2. HYDROCARBON CONSTITUENTS WHICH WERE NOT DETECTED ARE NOT LISTED

SCALE

Approx. 1 inch = 12 feet

**FIGURE 4: DISTRIBUTION OF DISSOLVED-PHASE HYDROCARBONS
 ALBANY HILL MINI MART
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