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29 May 1990
File: 10-1682-03/38

Mr. Dennis Hunt
District Manager
Industrial Asphalt
P.O. Box 636
Pleasanton, CA 94566

SUBJECT: April 1990 Monthly Monitoring, Industrial Asphalt, Pleasanton, California

Dear Mr. Hunt:

Kleinfelder, Inc., is pleased to submit the results of our monthly monitoring and sampling activities at the Industrial Asphalt facility in Pleasanton, California. Additionally, as requested by the Alameda County Department of Environmental Health in their letter dated 9 February 1990, monthly reports now contain a summary of the RI activities and specific plans for the next month activities.

MONTHLY MONITORING

Field monitoring activities were performed on 1 May 1990 through 4 May 1990. Water level monitoring data for the nine onsite monitoring wells are shown on the attached table. The other two wells (MW-1 and MW-11) were not sampled at this time. Monitoring well MW-1 had an insufficient volume of water to obtain a representative sample, and well MW-11 was dry on the sampling days. Surface water level in the pond was obtained from the staff gage.

Collected ground water samples were tested for the standard suite of constituents which included total petroleum hydrocarbons (TPH) as diesel/waste oil and polychlorinated biphenyls (PCBs). A summary of the analytical data for the sampled ground water from monitoring wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-10 is also included in the attached table.

As indicated by the data, the ground water table beneath the project site rose as compared to the previous monitoring round (March 1990). A ground water surface contour map has been developed from the data obtained on 1 May 1990. The data indicate ground water flow was toward the northeast at an approximate hydraulic gradient of 3.2% (Plate 1).

As shown in the attached table, sheen was noted on the ground water surface in monitoring wells MW-1, MW-2, MW-3 and MW-8.

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Chemical analyses of ground water samples indicate the presence of dissolved hydrocarbons as diesel in monitoring wells MW-2, MW-3 and MW-8 at concentrations 300 mg/l, 63 mg/l and 0.39 mg/l, respectively. Dissolved hydrocarbons as waste oil were also detected in these same samples at concentrations 150 mg/l, 42 mg/l and 0.2 mg/l, respectively. Additionally, polychlorinated biphenyls (PCBs) were found in ground water samples obtained from wells MW-2 and MW-3 at concentrations 2.6 ug/l and 0.9 ug/l, respectively.

Based upon the analytical results, it appears that approximately 290 gallons of purge water from monitoring wells MW-4, MW-5, MW-6 MW-7, MW-9 and MW-10 can be disposed on the ground. However, the purge water from wells MW-2, MW-3 and MW-8 can be recycled in manufacturing process used by Industrial Asphalt. This recommendation is in accordance with the California Regional Water Quality Control Board (CRWQCB) decision to waive waste discharge requirements for purge water disposal on the ground at the project site (letter from S.R. Ritchie of the CRWQCB to K.S. Jesionek dated 22 May 1990).

RI ACTIVITIES

Drilling and sampling of the soil borings and monitoring/extraction well construction with a dual tube percussion drill rig at the Industrial Asphalt facility commenced on 29 May 1990. An updated project schedule is attached to this report.

LIMITATIONS

This report was prepared in general accordance with the accepted standard of practice which exists in Northern California at the time the investigation was performed. It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact art. Judgements leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. If the Client wishes to reduce the uncertainty beyond the level associated with this study, Kleinfelder should be notified for additional consultation.

Our firm has prepared this report for the Client's exclusive use for this particular project and in accordance with generally accepted engineering practices within the area at the time of our investigation. No warranties, expressed or implied, as to the professional advice provided are made.

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If you have any questions, please call the undersigned.

Sincerely,

KLEINFELDER, INC.

Krzysztof (Krys) S. Jesionek
Project Manager

Lloyd C. Venburg, R.G.
Senior Hydrogeologist

cc: Dwight Beavers, Industrial Asphalt
Gil Wistar, Alameda County Department of Environmental Services
Rico Duazo, California Regional Water Quality Control Board
Jerry Killingstad, Alameda County Flood Control and Water Conservation District

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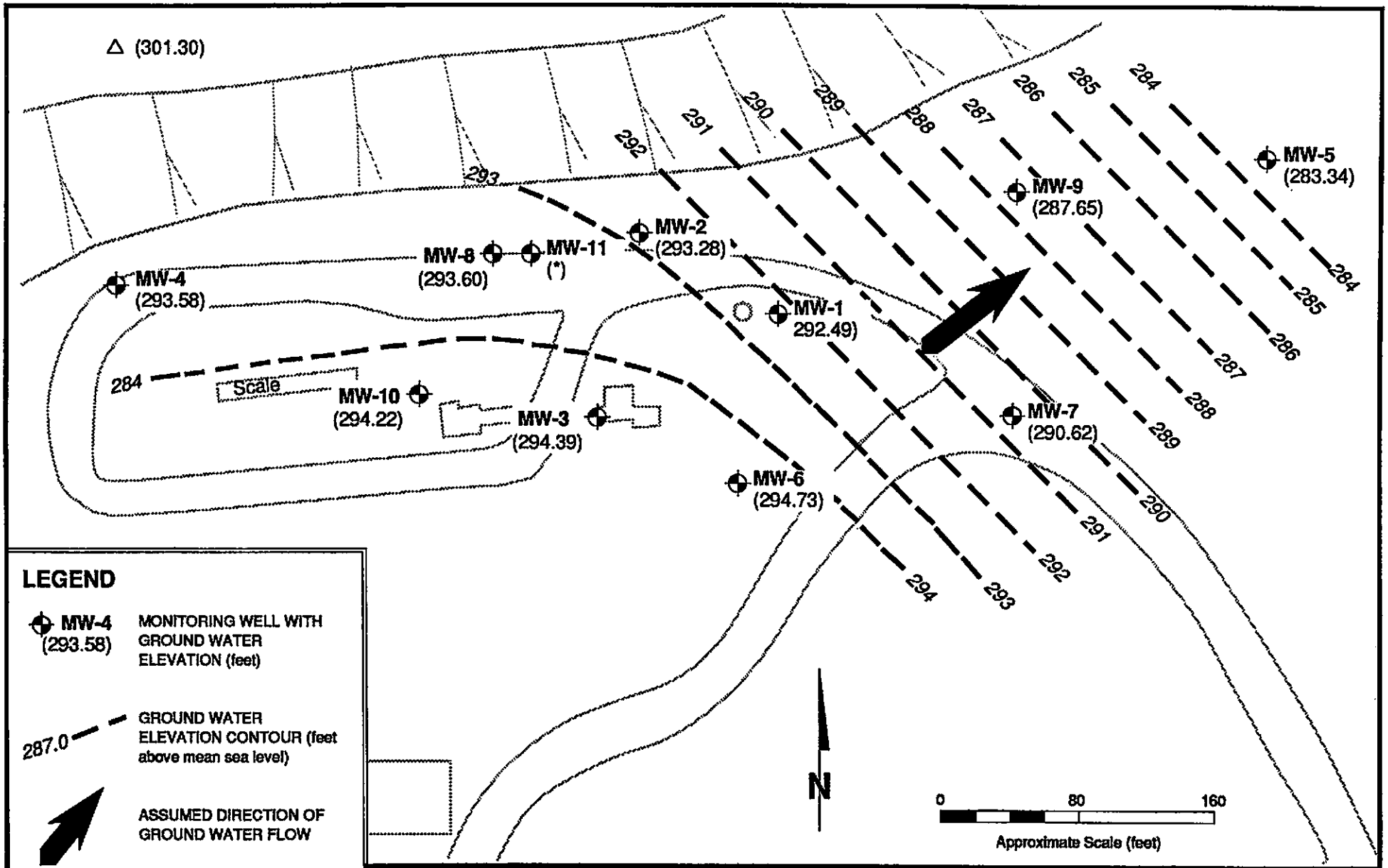
MONITORING PARAMETERS (05/1/90)
INDUSTRIAL ASPHALT

Monitoring Well	Total Depth (feet)	Depth to Water[1] (feet)	Ground Water Elevation[2] (feet)	Product Thickness (feet)	TPH as Diesel[3] (mg/l)	TPH as Waste Oil[4] (mg/l)	PCBs µg/l[5]
MW-1	88	86.92	292.49	SHEEN	NT	NT	NT
MW-2	90	86.52	293.28	SHEEN	300	150	2.6[8]
MW-3	90	84.15	294.39	SHEEN	63	42	0.9[8]
MW-4	95	88.68	293.58	NE	ND	ND	ND
MW-5	110	99.21	283.34	NE	ND	ND	ND
MW-6	109	84.42	294.73	NE	ND	ND	ND
MW-7	109	88.32	290.62	NE	ND	ND	ND
MW-8	109	84.96	293.60	SHEEN	0.39	0.2	ND
MW-9	108	89.75	287.65	NE	ND	ND	ND
MW-10	111	83.82	294.22	NE	ND	ND	ND
MW-11	75	DRY	NA	NE	NT	NT	NT
SG	NA	1.30[6]	301.30[7]	NA	NA	NA	NA

NOTES:

(1) Below top of casing
(2) Feet above mean sea level (USGS Datum)
(3) Laboratory detection limits - 0.05 mg/l
(4) Laboratory detection limit - 0.2 mg/l
(5) Laboratory detection limit - 0.5 ug/l
(6) Reading on the staff gage
(7) Surface water elevation in the pit
(8) Duplicate sample extractions showed surrogate recoveries outside laboratory QC limits

TPH Total Petroleum Hydrocarbons
PCBs Polychlorinated Biphenyls (Aroclor 1260)
NE Not Encountered
ND Not Detected at or above laboratory detection limits
NA Not Applicable
SG Staff Gage
NC Not Accessible
NT Not Tested



LEGEND

MW-4 (293.58)	MONITORING WELL WITH GROUND WATER ELEVATION (feet)
287.0	GROUND WATER ELEVATION CONTOUR (feet above mean sea level)
	ASSUMED DIRECTION OF GROUND WATER FLOW
(*)	DRY OR NOT ACCESSIBLE WELL
△ (301.30)	SURFACE WATER ELEVATION (feet, above mean sea level)

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DRAFTED BY: L. Sue DATE: 4-29-90

CHECKED BY: K. Jesionek DATE: 4-29-90

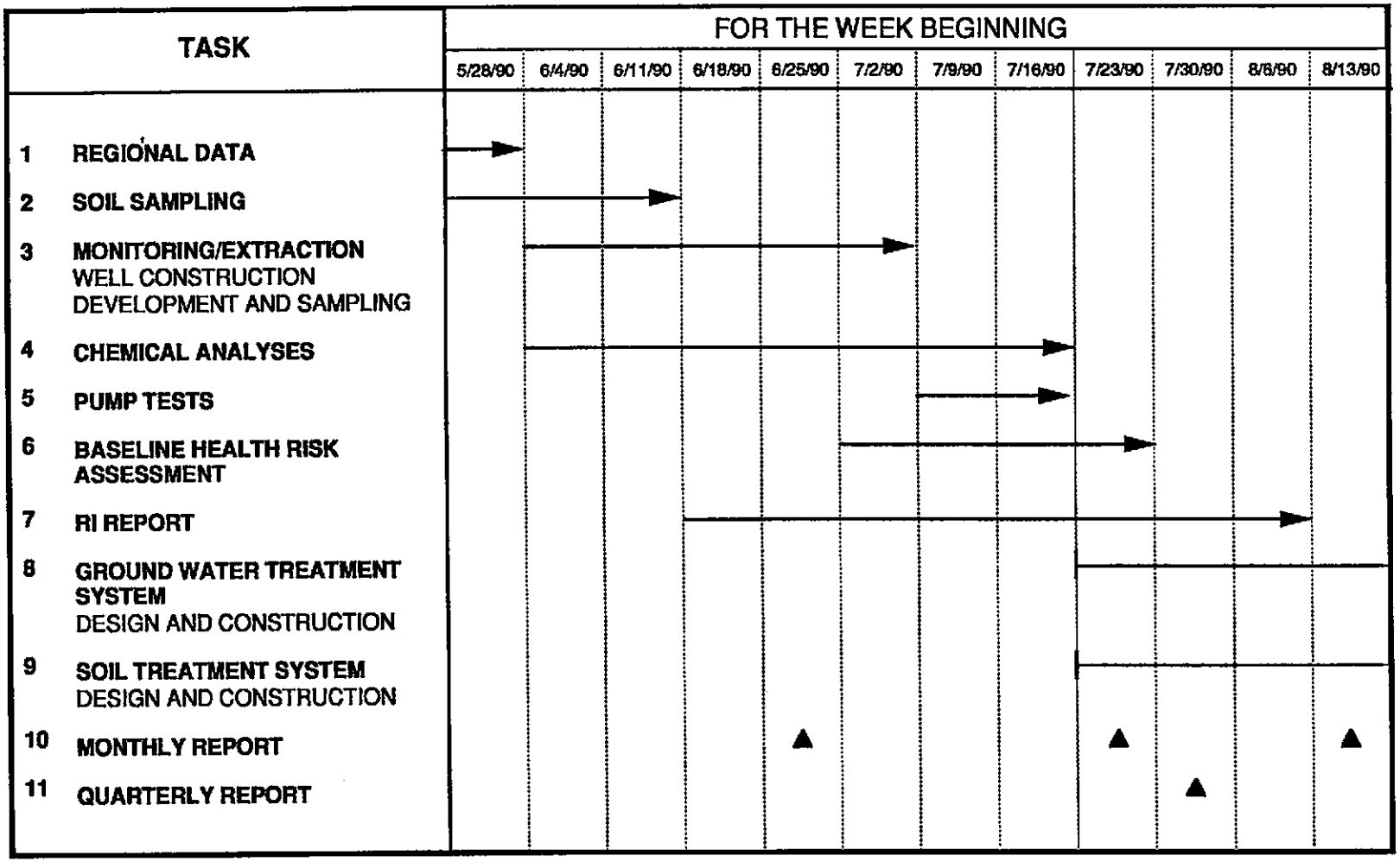
GROUND WATER SURFACE CONTOUR MAP ON MAY 1, 1990

INDUSTRIAL ASPHALT
PLEASANTON, CALIFORNIA

PROJECT NO. 10-1682-03

PLATE 1

Revised Project Schedule



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Project No. 10-1682-06
Industrial Asphalt
29 May 1990