

701 Atlantic Avenue · Alameda, California 94301 · FAX, 522-7848 · Fra.; (510) 522-8422

FAX TRANSMITTAL

TO: Juliet Shin ACHCSA

DATE:

Feb 23, 1994

FROM: Sasha George

Project Administrator

(510) 569-4757 1916 Webster Sort Renediation

MESSAGE:

Attricked is a copy of the report by Verson dated November 1, 1991 (Veisne Jot # 7703.22) as it pertains to the monitoring well in schollation If you weed a complete copy of this report, I will send it to you.

Let me know if Rece is Anything else I CAN do to obtain the Necessary approvals so we may mobilize on Monday, February 28th in keeping with our original schedule.

Thate you I look forward to bearing from you soon.

Total number of pages sent including this transmittal sheet: Please advise this office if this fax was not received clearly or if any pages were missing.

Eller Suffy

feet to approximately 5.5 feet, a medium gray, clayey sand was encountered and then drilling stopped. Ground water was encountered at approximately five feet below surface. Strong hydrocarbon odor was noted in soil samples at two feet and at four feet.

3.2 Monitoring Well Installation

The borehole in which the monitoring well was installed, MW3, was drilled to a total depth of 15.5 feet. The ground-water level was estimated at five feet below the surface from soil samples collected during drilling. No confining layers below five feet were observed during drilling.

The monitoring well was constructed using ten feet of twoinch inside diameter, Schedule 40 PVC screen with 0.020-inch
slots, and two-inch inside diameter, Schedule 40 PVC blank casing
to the surface. Clean sand was placed in the annular space
between the screen and the borehole wall. There is a one-foot

6

VCINIII NC. SACRAMENTO

Pg 7

sand plug below the screen at total depth and the sand was placed to a height approximately one foot above the top of the screen. Approximately one foot of bentonite pellets was placed above the sand. Above the bentonite, the annular space was filled with neat cement to just below the surface. A locking cap was placed on top of the PVC casing and a traffic box was set in concrete over the well. The top of the traffic box is slightly above grade to help prevent surface water from entering the well. A copy of the well construction record is included as Appendix C.

3.3 Ground-Water Sampling and Analysis

Prior to conducting any ground-water sampling, each monitoring well was surveyed to a common elevation and the depth to ground water was measured. Ground water was present at depths below surface of 4.92 feet, 4.76 feet, and 4.50 feet, for monitoring wells MW1, MW2, and MW3, respectively. This data was used to calculate the hydraulic gradient, which was determined to be toward the north. The survey data with flow direction is shown in Figure 4.

After magninement and women

WELL CONSTRUCTION RECORD

230.15GT	ALAMEDA	House	NG	łaca		JOB NUMBER.	7703.022	h	
PROJECT: ALAMEDA HOUSING HACA JOB NUMBER 1703.022.									
WELL NUMBER: WW 3						GROUND ELEVA	TION: APPL	2 X 1 AN ALTERNA	⊊ FeαT
DATE INSTALLED: 7-12-91						WELL CASING ELEVATION:			
FIELD REPRESENTATIVE: J. C. Januar L.J. KLAINGAF						PROTECTOR CASING ELEVATION:			
DRILLING CONTRACTOR: W DULE DELL CO.						LOCATION SKI	ETCH		
DRILLER: M. Woopward LICENSE NO. C-57/584-39							A 1	-force	N
DRILLING METHOD: House Stem Auget						١	7		j
CONDITION OF GROUND SURFACE: WERTHER TO						BIAS Jeaner	4)		
FORMATION SCREENED:						7	رمين	May 3	, i
						1 1 1	.a	•••	1
	HOLE	E.	ИD			12 June	him the	_	i
BIT TYPE DIA.		DEPTH*		FLUID TYPE		PHENNE	War.	Wm.)	i i
		(FT.)		1175		' ж	1	Bitton 1	i
		<u> </u>					1		į
									[
				····					
		 					TIME LOG		
		<u>. </u>		<u> </u>		ACTIVITY	DATE	START	END
					DRILLING				
PROTECTOR, CASING & SCREEN RECORD					CASING		1	1	
- 	<u> </u>		1.75		Œ	CASING]	
DESCRIPTION		DiA.	TOTAL	d 0 .	BOTTOM	FILTER PACK	1	1	
			5 ×			SEAL		1	
			12.	ă	GROUT	1	<u>'</u>	1	
Black PUC con		.Z."	4.5	surf.	4.5	DEVELOPMENT SURVEY			
0,020 Seven PAC W		2"	10'	4.5"	14.5	3011121			
plus						отнея		l i	
Total death			1		15.5°		1		
						GROUND WATER LEVELS OURING DRILLING:			
	· .					1			-
					<u> </u>	5' by samples during drelling			
COMPLETION MATERIALS RECORD						4.47' Measured @ 122084 7-12-01			
						, , ,		-	.
DESCRIPTION									
DESCRIPTION				d 0 *	b	E A	FLL DEVE	OPMENT	
				<u> </u>	m	YV	ELL DEAC	"Obwevi	
Grant				surf.	3'				• • [
Bentonita				3'	3'10"	'			,
Sanol				3'10	15'.5'				. 1
				<u> </u>	1				` }
							,		
						1			
* DEPTH FROM GROUND SURFACE									
COMMENTS:				X I"		water married and the field of			
COMMEN 18:			······································						
		***************************************			k	пΛ			***************************************
	1				11	Al· ()		Į.	/