Detterman, Mark, Env. Health

From: dave@eras.biz
Sent: Tuesday, November 04, 2014 3:27 PM
To: Detterman, Mark, Env. Health
Cc: Clinton Stockton (clinton@johnmurray.com); andrew@eras.biz
Subject: 3037-3115 Adeline
Attachments: 3037 Adeline Table 1.xls; 3037 Adeline - Figure 2 - Boring Location Map.pdf

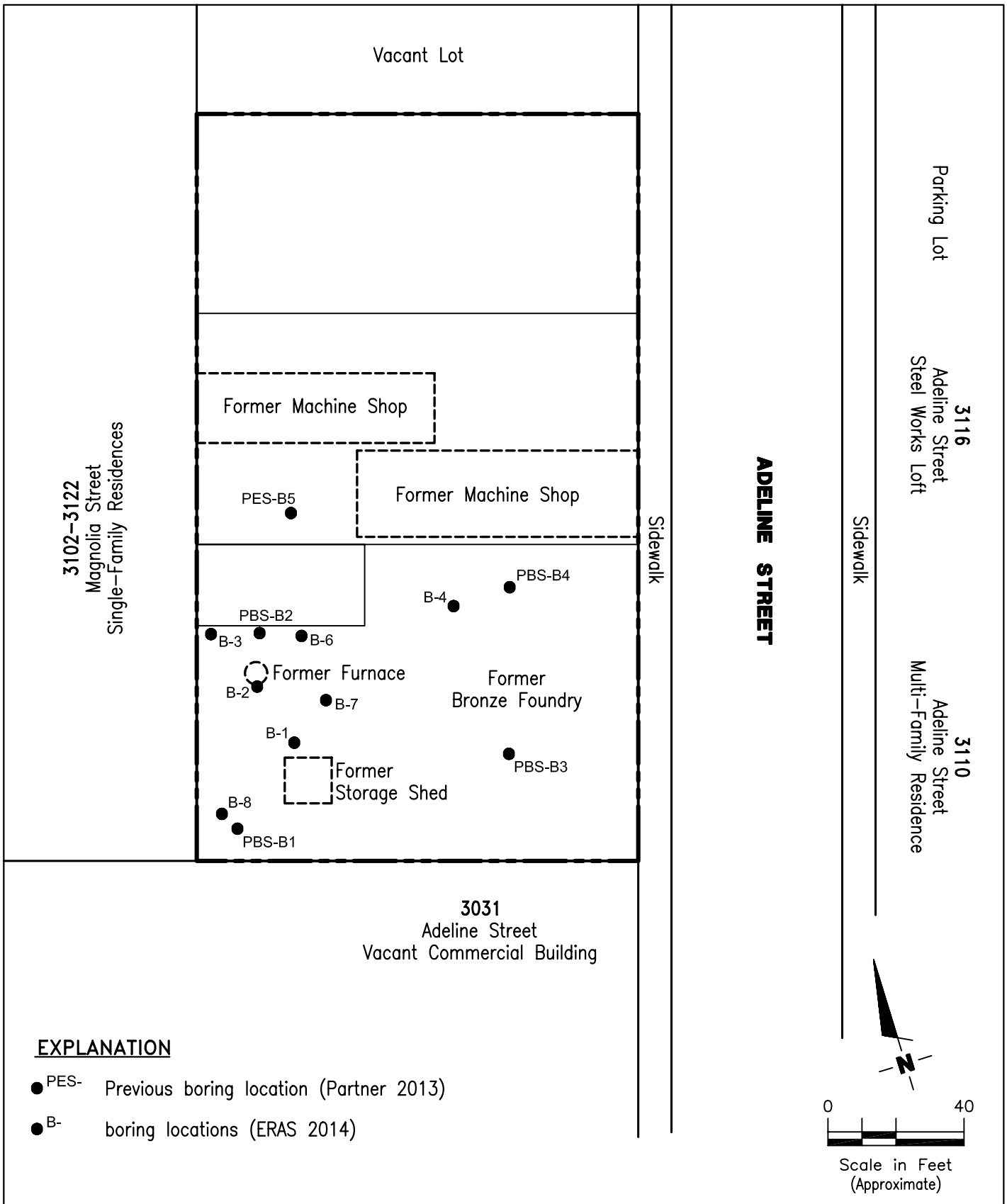
Hi Mark, we just received and compiled the results of our investigation. I was hoping you could take a look and we could discuss the next course of action so that we can move ahead without completing the entire report.

Our idea at this point is to remove some of the shallow soil in the area of ERAS B-2 and Partner boring PES-B2. As you can see from the attached Table 1, it appears the highest contamination is at 2 feet in B-2 and 3 feet in PES-B2. The soil removal would be limited to the west due to the Property line and to the north due to the building.

While there are levels above the ESLs at 7-8 feet in those same borings, the deeper samples from those same borings are quite low.

Let me know when there is a good time to discuss.

Thanks, Dave



BORING LOCATION MAP

DATE	–	JOB NUMBER
10/14	3037, 3101 & 3115 Adeline Street	14157B
REVIEWED BY	Oakland, California	FIGURE
AS		2

ERAS Environmental Inc.

ERAS 11-02-2014 Boring location map.dwg

TABLE 1. ANALYTICAL RESULTS - SOIL

3037-3115 Adeline Street, Oakland

Sample ID	Date	TPH-gro	TPH-dro	TPH-dro*	TPH-oro	TPH-oro*	Copper	Lead	Tin
		(mg/Kg)							
PES-B1-3	1-May-13	NA	NA	NA	NA	NA	160	43	NA
PES-B2-3	1-May-13	46	**1,200**	NA	**950**	NA	**1,200**	140	NA
PES-B2-7	1-May-13	NA	**1,600**	NA	**860**	NA	15	<3.0	NA
PES-B2-12	1-May-13	NA	<10	NA	<10	NA	11	8	NA
PES-B2-18	1-May-13	NA	<10	NA	<10	NA	17	<3.0	NA
PES-B3-3	1-May-13	<10	<10	NA	<10	NA	17	<3.0	NA
PES-B4-3	1-May-13	NA	NA	NA	NA	NA	11	<3.0	NA
PES-B4-11	1-May-13	<10	<10	NA	<10	NA	NA	NA	NA
PES-B5-3	1-May-13	NA	NA	NA	NA	NA	18	44	NA
PES-B5-7	1-May-13	<10	<10	NA	<10	NA	NA	NA	NA
B-1, 1.5-2	21-Oct-14	<1	<1.0	NA	<5.0	NA	210	25	<5.0
B-1, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	22	6.7	<5.0
B-1, 9-9.5	21-Oct-14	<1	11	NA	100	NA	NA	NA	NA
B-1, 10.5-11	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA
B-2, 2-2.5	21-Oct-14	**540**	**17,000**	**20,000**	**8,700**	**11,000**	**1,200**	**650**	78
B-2, 3-3.5	21-Oct-14	190	**270**	NA	<250	NA	24	7.8	<5
B-2, 7.5-8	21-Oct-14	200	**2,700**	NA	**1,700**	NA	NA	NA	NA
B-2, 15.5-16	21-Oct-14	4.1	49	NA	38	NA	NA	NA	NA
B-3, 2-2.5	21-Oct-14	<1	**480**	NA	430	NA	31	7.0	<5
B-3, 3-3.5	21-Oct-14	150	**370**	NA	<250	NA	22	8.8	<5
B-3, 7.5-8	21-Oct-14	<1	**120**	NA	100	NA	NA	NA	NA
B-3, 11.5-12	21-Oct-14	<1	<5.0	NA	<5.0	NA	NA	NA	NA
B-4, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	18	5.8	<5
B-4, 7.5-8	21-Oct-14	<1	<5.0	NA	<5.0	NA	NA	NA	NA
B-4, 9.5-10	21-Oct-14	<1	1.2	NA	<5.0	NA	NA	NA	NA
B-6, 1.5-2	21-Oct-14	55	**1,400**	NA	**1,200**	NA	**380**	120	20
B-6, 2.5-3	21-Oct-14	180	**670**	NA	280	NA	22	7.1	<5
B-6, 7.5-8	21-Oct-14	40	**480**	NA	280	NA	NA	NA	NA
B-6, 15.5-16	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA
B-7, 2-2.5	21-Oct-14	<1	<1.0	NA	<5.0	NA	87	18	<5
B-7, 3-3.5	21-Oct-14	NA	NA	NA	NA	NA	18	7.1	<5
B-7, 7.5-8	21-Oct-14	<1	3.1	NA	14	NA	NA	NA	NA
B-7, 11.5-12	21-Oct-14	<1	<1.0	NA	<5.0	NA	NA	NA	NA
B-8, 1.5-2	21-Oct-14	NA	NA	NA	NA	NA	23	10	<5
ESL <3m		500	110	110	500	500	230	320	-
ESL >3m		770	110	110	1000	1000	5,000	320	-

Notes

NA = Not Analyzed

(mg/Kg) = Miligrams per Kilogram

TPH-gro = Total petroleum hydrocarbons quantified as gasoline range organics

TPH-dro = Total petroleum hydrocarbons quantified as diesel range organics

TPH-oro = Total petroleum hydrocarbons quantified as oil range organics

TPH-dro* = Total petroleum hydrocarbons quantified as diesel range organics run without silica gel cleanup

TPH-oro* = Total petroleum hydrocarbons quantified as oil range organics run without silica gel cleanup

ESL <3m = environmental screening limits set forth by the RWQCQ for soil shallower than 3 meters on a commercial Property where groundwater is considered a potential source of drinking water

ESL >3m = environmental screening limits set forth by the RWQCQ for soil deeper than 3 meters on a commercial Property where groundwater is considered a potential source of drinking water

Bold Type Indicates Reported Value Above the ESL.