MADISON PARK
FINANCIAL CORPORATION

Time — To Live

155 Grand Avenue
Suite 1025
Oakland, CA 94612

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February 18, 2015

RECEIVED
By Alameda County Environmental Health at 12:47 pm, Feb 25, 2015

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Ms. Dilan Roe

Subject: Site Conceptual Model, 1549 32nd Street, Oakland, California
ACDEH Fuel Leak Case: RO00002508; Global ID: T06019741226

Ladies and Gentlemen:

Attached please find a copy of the *Initial Site Conceptual Model* prepared by Applied Remedial Services, Inc. for the subject site in Oakland, California. I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report are true and correct to the best of my knowledge.

Very truly yours,

John Protoppapas
Chief Executive Officer
Madison Park Financial Corporation
155 Grand Avenue, Suite 1025
Oakland, CA 94612

ARS INC.

Applied Remedial Services, Inc.

February 16, 2015

Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Attention: Ms. Dilan Roe

Subject: Site Conceptual Model, 1549 32nd Street, Oakland, California
ACDEH Fuel Leak Case: RO00002508; Global ID: T06019741226

Ladies and Gentlemen:

Applied Remedial Services, Inc. (ARS) and Gribi Associates (Gribi) are pleased to submit this *Site Conceptual Model* on behalf of Madison Park Financial Corporation (MPFC) for the property located at 1549 32nd Street in Oakland, California. The following Site Conceptual Model (SCM) has been synthesized to assist in risk-based decision making. In developing the SCM, we have evaluated actual and potential contaminant sources, migratory pathways, and environmental receptors. This SCM is based on our thorough review and understanding of all currently-available data that has been acquired from the site by previous consultants. Where data is not available or is not representative, a data gap has been noted. As part of this SCM, we have included narrative figures in Attachment 1, tabulated data tables in Attachment 2, and selected soil boring logs in Attachment 3.

In preparing the SCM, we have identified four investigative data gaps: (1) Definition of hydraulic gradient beneath the site; (2) The nature and extent of PCE soil and groundwater impacts in the vicinity of borings B-18 and EB6; (3) Identification of possible water supply wells in the vicinity; and (4) Definition of potential migratory conduits in the site vicinity. The SCM includes possible investigative measures to address each of these data gaps.

We appreciate this opportunity to provide this report for your review. Please contact us if there are any questions or if additional information is required. In addition to the office, you can reach me at cell (707) 567-2202, and you can reach Jim at (707) 631-1305.

Very truly yours,

Michael F. Kara
Principal Toxicologist

Professional Geologist
California No. 5843

REGISTERED GEOLOGIST
JAMES E. GRIBI
No. 5843
STATE OF CALIFORNIA

Enclosure

P. O. Box 5086, Walnut Creek, CA 94596
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INITIAL SITE CONCEPTUAL MODEL
1549 32nd Street,
Oakland, California

SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
Geology and Hydrogeology	Regional	The Site is located along the southwestern margin of the Berkeley Alluvial Plain, which is a subarea of the East Bay Plain area (*East Bay Plain Groundwater Basin Beneficial Use Evaluation Report*, SFBRWQCB, June 1999). Alluvial deposits that generally consist of silts and clays containing thin sandy and gravelly lenses underlie the area. Estuarian mud, known as "Bay Mud," extends east of the San Francisco Bay where it interfingers with the surficial fluvial deposits. Important regional sands, such as the Merritt Sand, appear to exist intermittently beneath the Site. The depth to bedrock in the Berkeley Alluvial Plain varies from near zero on the north to 500 feet on the south end of the Plain. The Hayward fault defines the eastern boundary of the Berkeley Alluvial Plain and forms a geologic discontinuity. Bedrock in the East Bay Area is mostly Franciscan Complex melange, which includes marine sandstone and shale, chert, metavolcanics, serpentinized ultramafic rocks, and limestone.	Figure 1	None	n/a
	Site	**Geology:** Soils encountered in the borings generally consisted of clays, with relatively thin discontinuous silts and occasional clayey gravels and sands present in some of the borings below 15 feet in depth. **Hydrology:** Water-saturated soils were generally encountered at depths ranging approximately eight feet to 20 feet in depth. Hydraulic gradient is variable on adjacent sites, from west to south to southeast.	Boring logs from 2008 ERSC investigation (Attachment 3)	Groundwater gradient not established	Install 3 groundwater monitoring wells.
Surface Water Bodies		The closest surface water body is San Francisco Bay, located approximately 0.75 miles northwest from the Site.	Figure 1	None	n/a

SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
Nearby Wells		The State Water Resources Control Board Geotracker GAMA website includes approximate locations of water supply wells in California. No water supply wells are shown within the immediate Oakland, Emeryville, or Berkeley areas.	Figure 1	Well survey incomplete	DWR and ACPW well survey required.
Potential Sources	Onsite	**Former metals heat treating/metals foundry activities inside Site building:** The Site operated as a metals heat treating facility and metals heat treating factory from approximately the mid-1940s until the early 1990s. The source of the shallow heavy hydrocarbons in soils beneath the Site building appears to have been related to overall Site activities, and not a specific point source (such as a UST). Previous inspections of the Site revealed the presence of various vaults and pipes in the ground inside the Site building. **Former 700-gallon Gasoline USTs (Hannah Street sidewalk:** This UST was removed in February 2002, and soil sample results indicated no significant hydrocarbon releases from this former UST. **Former Paint & Putty Factory:** A paint and putty facility operated in a former building just south of the main Site building from at least the 1930s to the 1980s. The exact nature and extent of hazardous waste-related activities associated with this former facility is unknown. However, soil and groundwater PCE impacts at borings B-18 and EB6 may have originated from activities related to the former paint & putty factory.	Figure 2, Figure 3, Figure 4, Figure 6 See Attached Table	Source of PCE impacts at B-18 and EB6 has not been identified	Drill and sample 4 soil borings immediately surrounding B-18 and EB6
Potential Sources	Offsite	**Former Dry Cleaner, 1546 32nd Street (40 feet northwest):** Historical records indicate that this facility was present for several decades, beginning in approximately 1925. PCE from this adjacent site may have impacted groundwater beneath the Site.	Figure 5, Figure 6, Figure 7, See Attached Table	Potential offsite conduits not identified	Conduct conduit study

SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
Constituents of Concern		The primary constituents of are heavy range hydrocarbons (TPH-D, TPH-HO, TPH-MO). These impacts are primarily located beneath the Site building. No significant BTEX or Naphthalene constituents were encountered in soil or groundwater samples. Samples have been analyzed for metals; and have shown apparent background levels of CAM 17 metals. Grab groundwater samples from ERS boring B-18 and ERSC boring EB6 showed elevated levels of PCE.	Figure 5, Figure 6, Figure 7, See Attached Table	None	n/a
Nature & Extent of Impacts	Impacts in Soil	**Former metals heat treating/metals foundry activities inside Site building:** Excavation and offsite disposal of approximately 3,247 cubic yards of hydrocarbon-impacted soil was conducted between October 2003 and January 2004. Residual heavy hydrocarbon impacts are limited primarily to the north, east, and south sides of the middle excavation. Soil and grab groundwater samples from post-excavation ERS borings B-9 through B-13 and from ERSC borings EB3 and EB4, located in adjacent east residential back yards, indicate very limited migration of heavy hydrocarbons eastward beneath the residential properties. **Former Paint & Putty Factory:** A paint and putty facility operated in a former building just south of the main Site building from at least the 1930s to the 1980s. The exact nature and extent of hazardous waste-related activities associated with this former facility is unknown. However, soil and groundwater PCE impacts at borings B-18 and EB6 may have originated from activities related to the former paint & putty factory.	Figure 5, Figure 6, Figure 7, See Attached Table	Nature and extent of soil PCE impacts at B-18 and EB6 has not been identified	Drill and sample 4 soil borings immediately surrounding B-18 and EB6
Constituents of Concern		The primary constituents of are heavy range hydrocarbons (TPH-D, TPH-HO, TPH-MO). These impacts are primarily located beneath the Site building. No significant BTEX or Naphthalene constituents were encountered in soil or groundwater samples. Samples have been analyzed for metals; and have shown apparent	Figure 5, Figure 6, Figure 7, See Attached Table	None	n/a

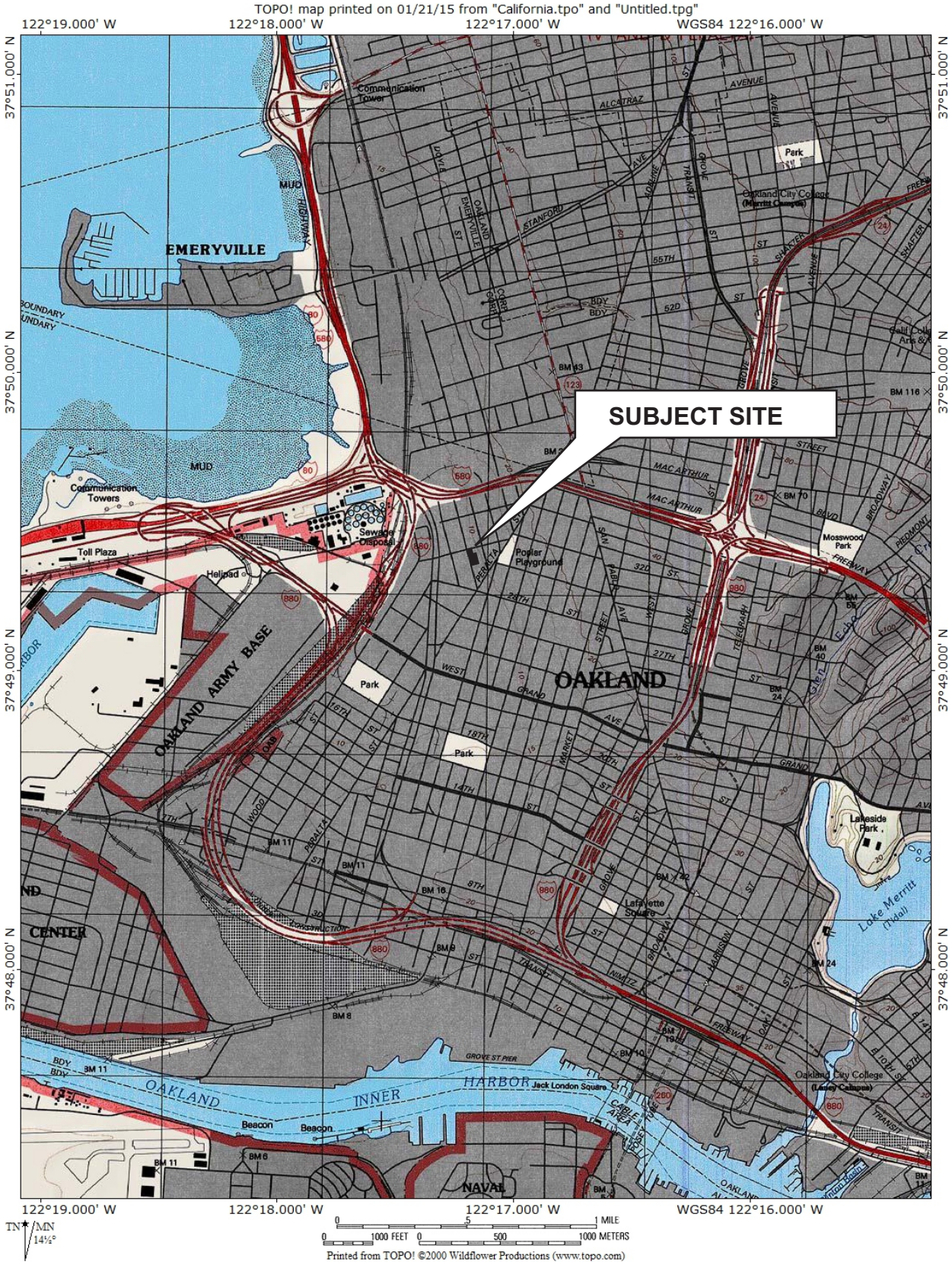
SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
		background levels of CAM 17 metals. Grab groundwater samples from ERS boring B-18 and ERSC boring EB6 showed elevated levels of PCE.			
Nature & Extent of Impacts	Impacts in Soil	Former metals heat treating/metals foundry activities inside Site building: Excavation and offsite disposal of approximately 3,247 cubic yards of hydrocarbon-impacted soil was conducted between October 2003 and January 2004. Residual heavy hydrocarbon impacts are limited primarily to the north, east, and south sides of the middle excavation. Soil and grab groundwater samples from post-excavation ERS borings B-9 through B-13 and from ERSC borings EB3 and EB4, located in adjacent east residential back yards, indicate very limited migration of heavy hydrocarbons eastward beneath the residential properties. Former Paint & Putty Factory: A paint and putty facility operated in a former building just south of the main Site building from at least the 1930s to the 1980s. The exact nature and extent of hazardous waste-related activities associated with this former facility is unknown. However, soil and groundwater PCE impacts at borings B-18 and EB6 may have originated from activities related to the former paint & putty factory.	Figure 5, Figure 6, Figure 7, See Attached Table	Nature and extent of soil PCE impacts at B-18 and EB6 have not been identified	Drill and sample 4 soil borings immediately surrounding B-18 and EB6
	Impacts in Groundwater	**Former metals heat treating/metals foundry activities inside Site building:** Grab groundwater samples from pre-excavation borings outside the excavation areas and from post-excavation borings inside the excavation areas showed low levels of heavy hydrocarbons, with no significant detections of BTEX or other VOC constituents. **Former Paint & Putty Factory:** Grab groundwater samples from borings B-18 and EB6 showed elevated concentrations of PCE. Grab groundwater samples from north and northeast borings B-8, B-5, and EB7 showed no significant detections of PCE, indicating that the PCE source is not within the Site building. The nature and extent of PCE impacts to the south and west is not defined.	Figure 3, Figure 4, and Figure 8; See Attached Table	Nature and extent of soil PCE impacts at B-18 and EB6 have not been identified	(see above)

SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
		Grab groundwater samples from borings EB7 and EB8, located in the south yard area, showed low to moderate concentrations of TPH-D and TPH-MO, with no detectable BTEX or other VOC constituents. The nature and extent of these impacts is not fully defined; however, the TPH concentrations are relatively low and would not be expected to pose a significant environmental or human health risk.			
	Impacts in Vapor	Shallow soils beneath the site are clay-dominated, and two previous soil vapor samples, B-1SV and B-5SV, showed no significant VOC impacts. Potential vapor impacts in the PCE-impacted area on the south side of the Site have not been assessed.	Figure 7, See Attached Table	Nature and extent of VOC vapor impacts beneath south yard area	Sample soil vapor at approx. 3 locations in south yard area
Migration Pathways		A conduit study has not been conducted. Currently, there are no below-ground utilities on the Site itself; however, offsite utilities have not been assessed.	Figure 2, Figure 3, and Figure 4	Potential offsite conduits not identified	Conduct conduit study
Potential Receptors & Risks	Onsite	Potential receptors include (1) future construction workers, who could come into contact with heavy hydrocarbon-impacted residual soils beneath the Site building; and (2) human exposure to indoor and outdoor hydrocarbon vapors. Risks associated with these potential exposures are expected to be low given the low soil impacts, confined groundwater conditions, and relatively limited non-paved areas in the site vicinity. Potable water is and will be supplied by municipal sources for the foreseeable future. Hence, groundwater ingestion is not considered to be a potential receptor.	Figure 2, Figure 3, Figure 4, and Figure 8	Soil Vapor sampling required	See above

SCM Element	SCM Sub-Element	Description	Figures Table & References	Data Gap	How to Address
Potential Receptors & Risks	Offsite	Potential receptors include (1) future construction workers, who could come into contact with heavy hydrocarbon-impacted residual soils just east of the Site building; and (2) human exposure to outdoor PCE vapors. Risks associated with these potential exposures are expected to be low given the low soil impacts and apparent localized PCE groundwater impacts.	Figure 2, Figure 3, Figure 4, & Figure 8.	None	n/a

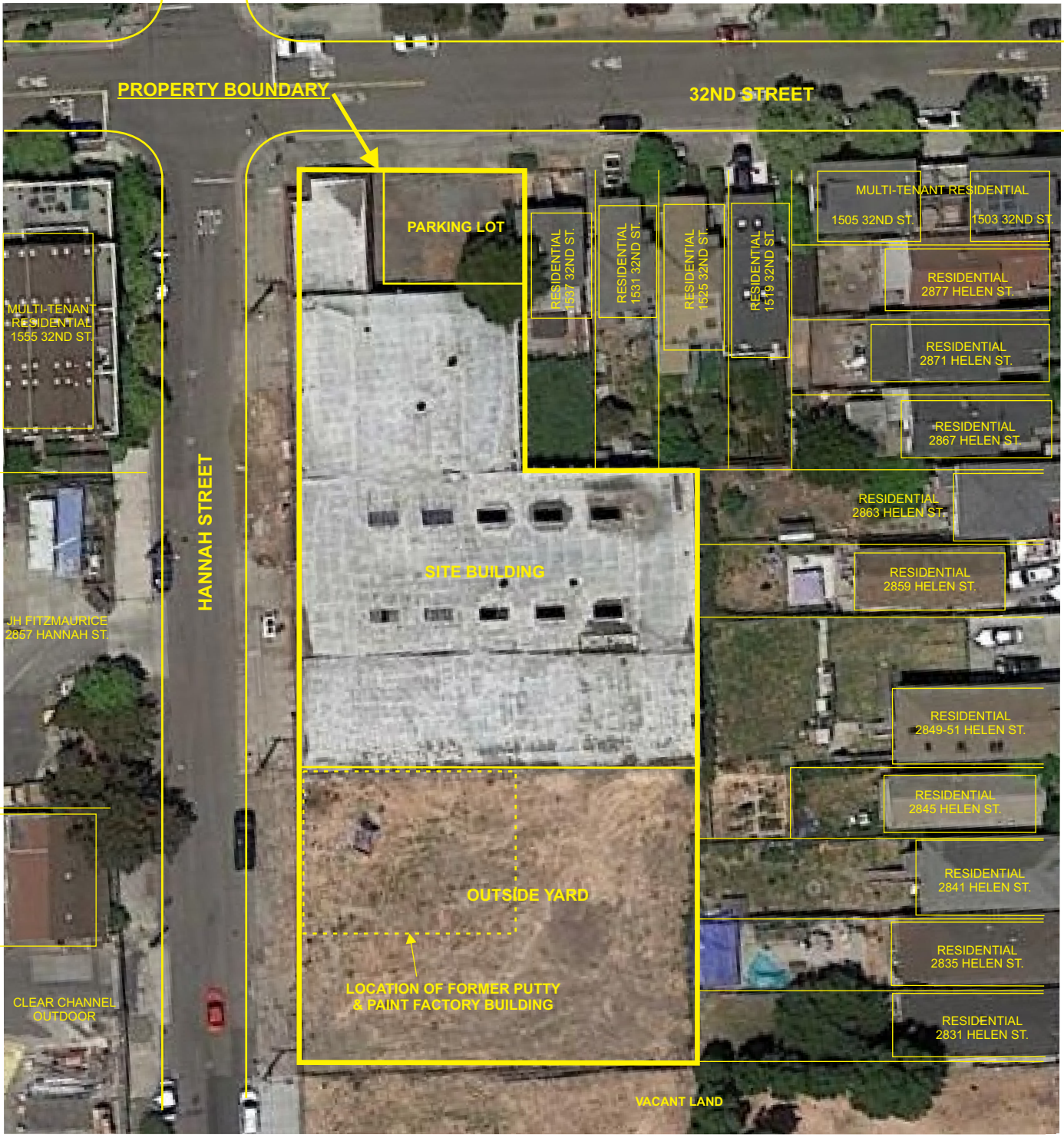
ATTACHMENT 1

FIGURES

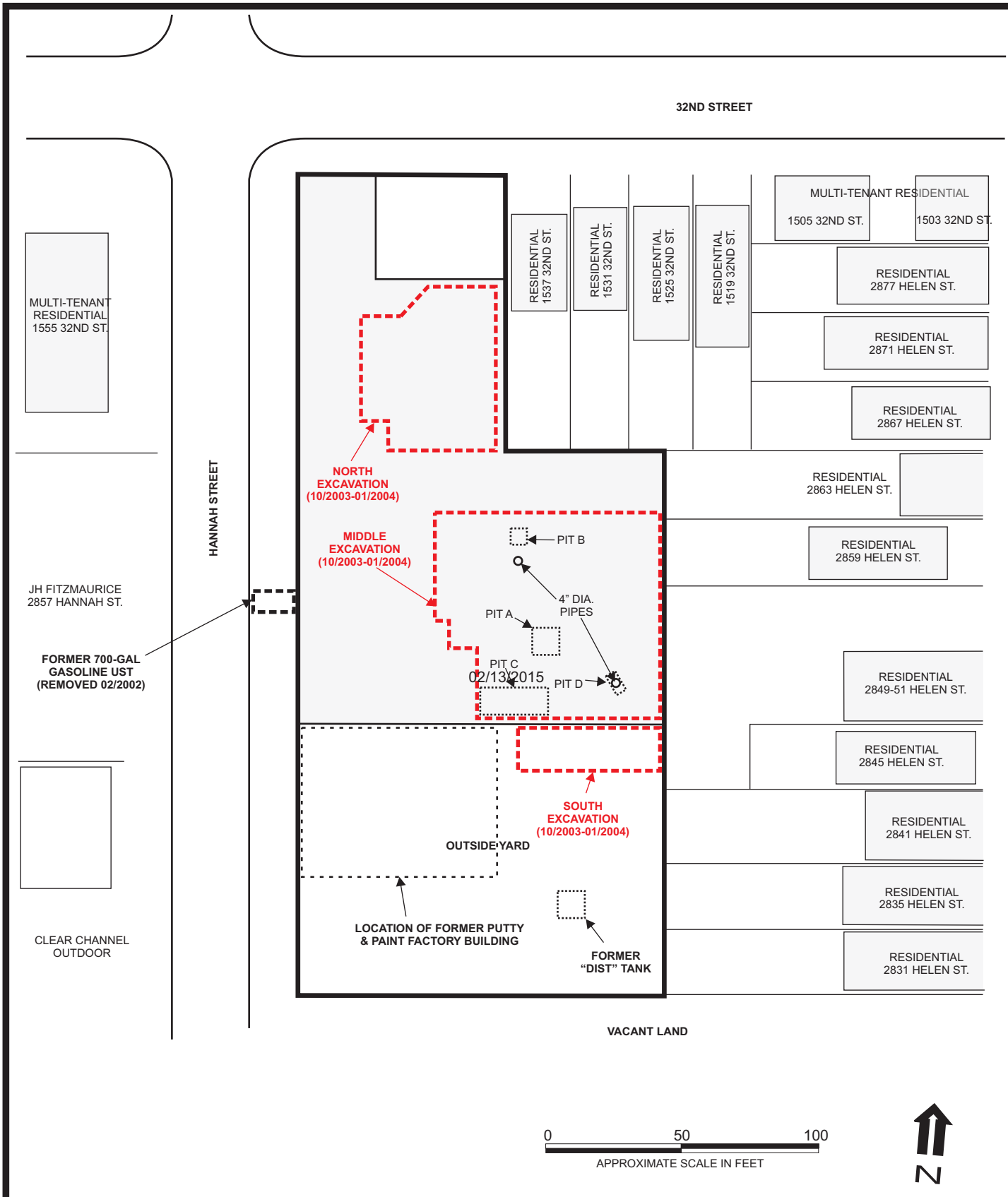


DESIGNED BY: JEG	CHECKED BY: MFK	**SITE VICINITY MAP**	DATE: 02/13/2015	FIGURE: 1
DRAWN BY: MAR	SCALE:			
PROJECT NO: 15-20-001		1549 32ND STREET OAKLAND, CALIFORNIA		

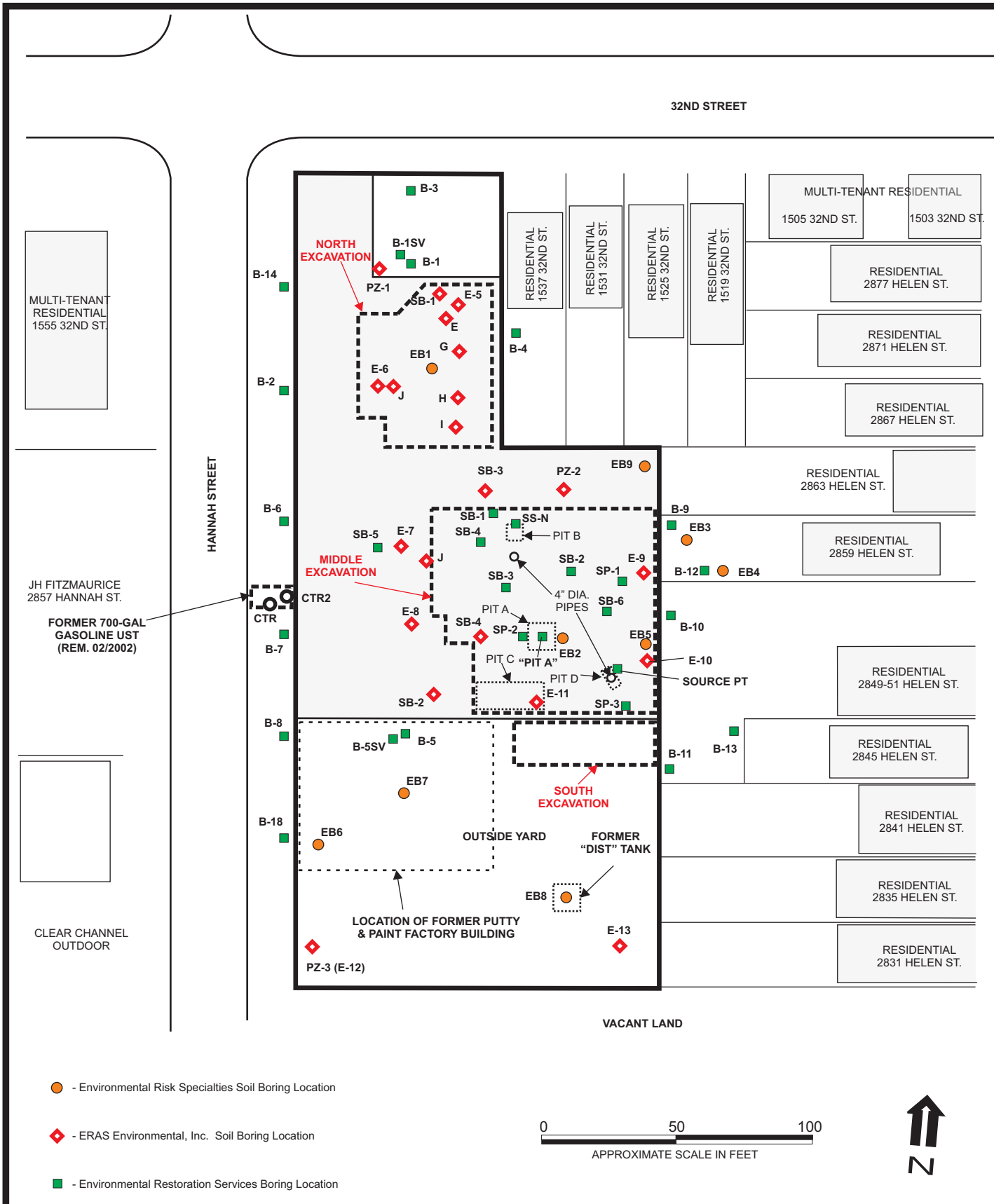
ARS, INC
Applied Remedial Services, Inc.
P.O. Box 5086
Walnut Creek, CA 94596



DESIGNED BY: JEG	CHECKED BY: MFK	**SITE PLAN**	DATE: 02/13/2015	FIGURE: **2**
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596	
PROJECT NO: 15-20-001				



DESIGNED BY: JEG	CHECKED BY: MFK	**SITE FEATURES**	DATE: 02/13/2015	FIGURE: **3**
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596	
PROJECT NO: 15-20-001				



DESIGNED BY: JEG	CHECKED BY: MFK	**PREVIOUS BORING LOCATIONS**	DATE: 02/16/2015	FIGURE: **4**
DRAWN BY: MAR	SCALE: 1" = 40'			
PROJECT NO: 15-20-001		1549 32ND STREET OAKLAND, CALIFORNIA		

ARS, INC
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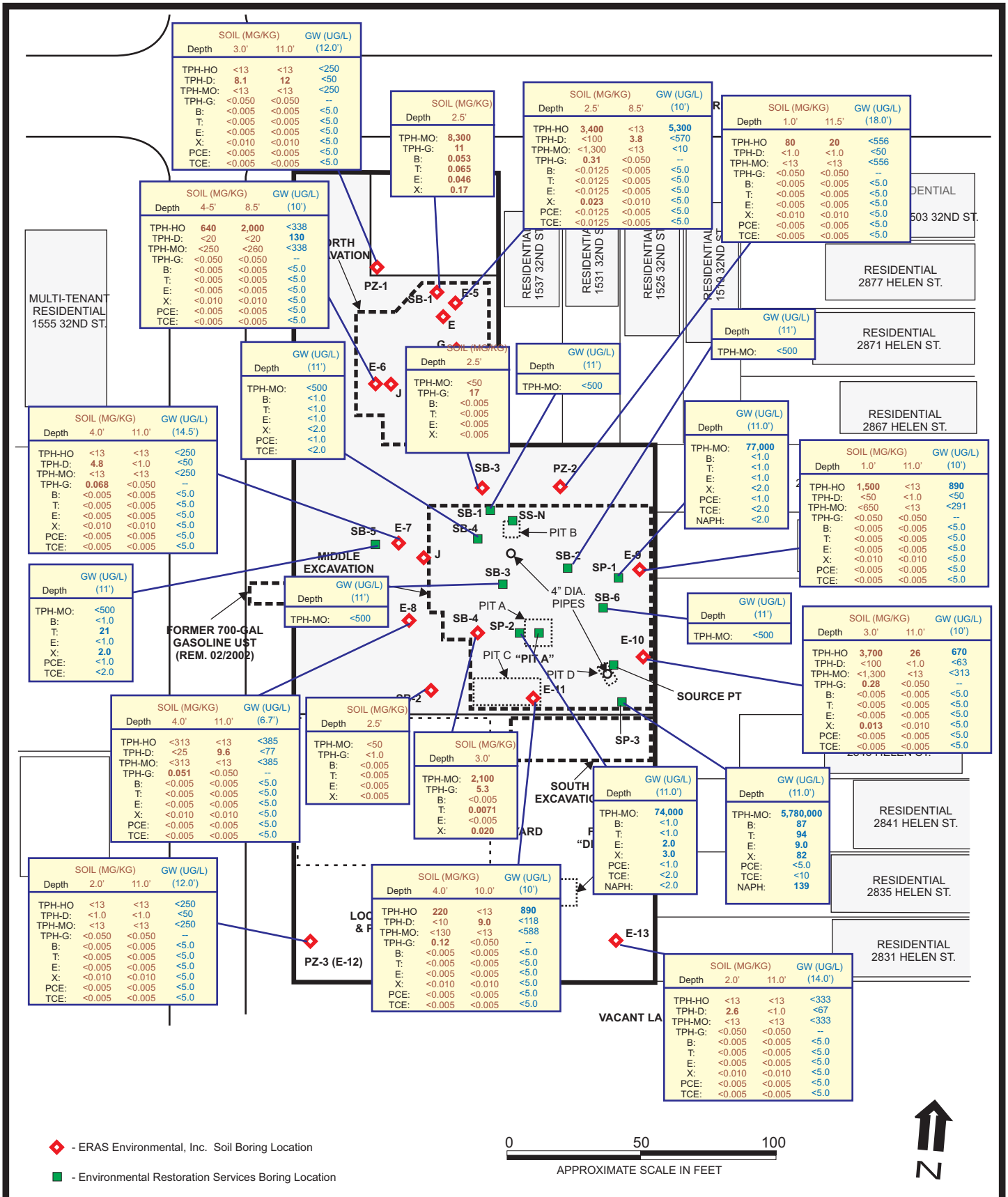
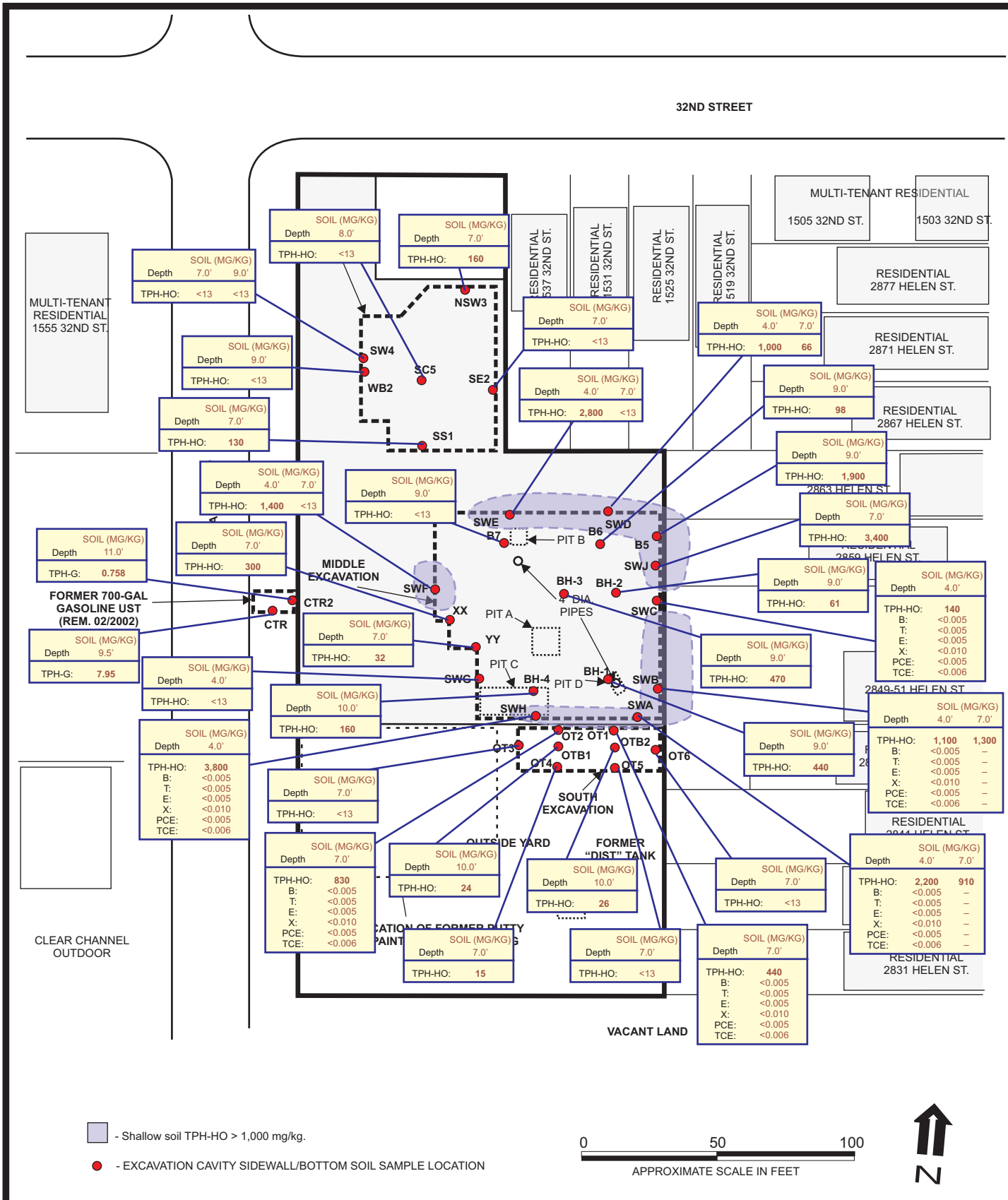
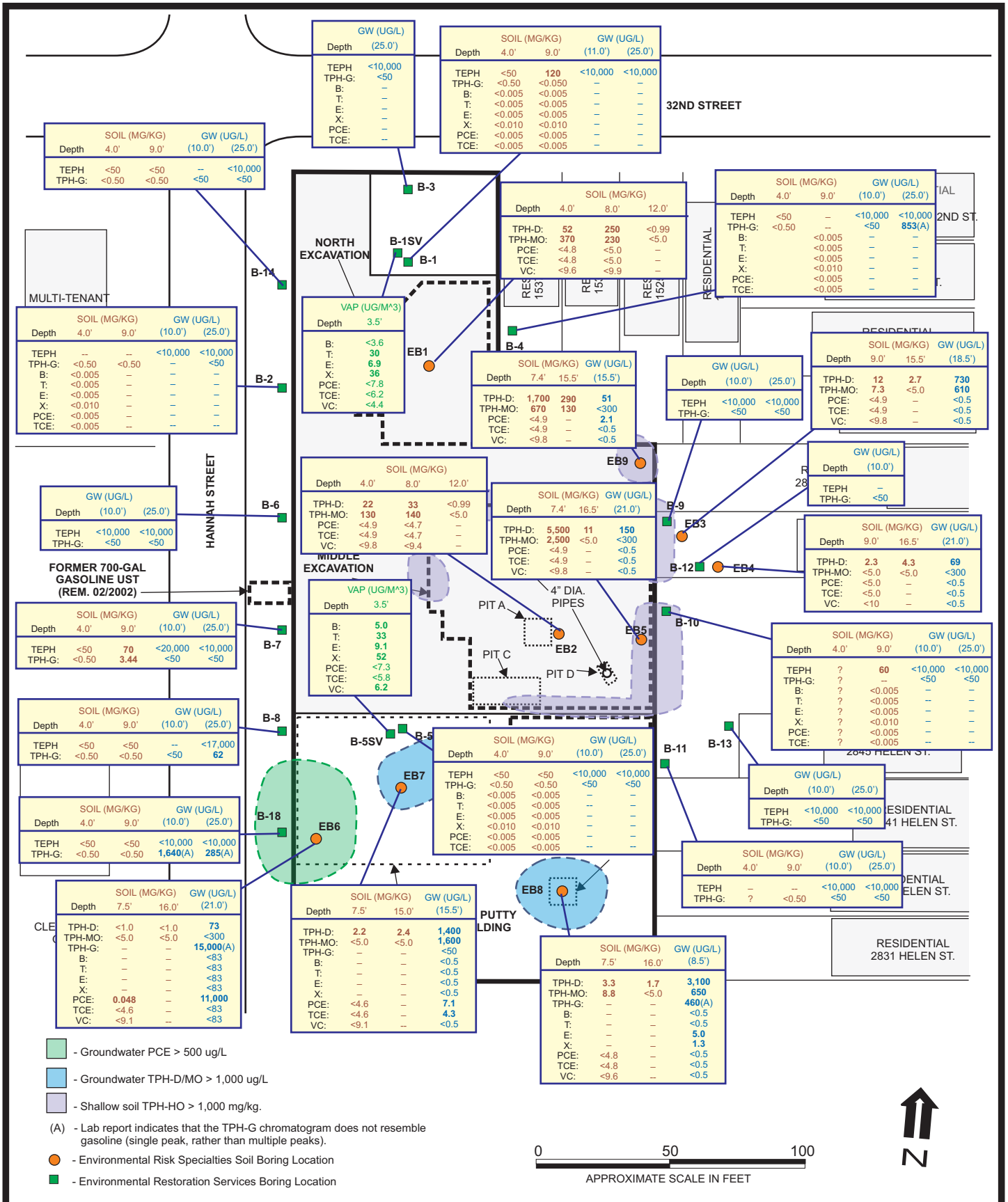
Walnut Creek, CA 94596



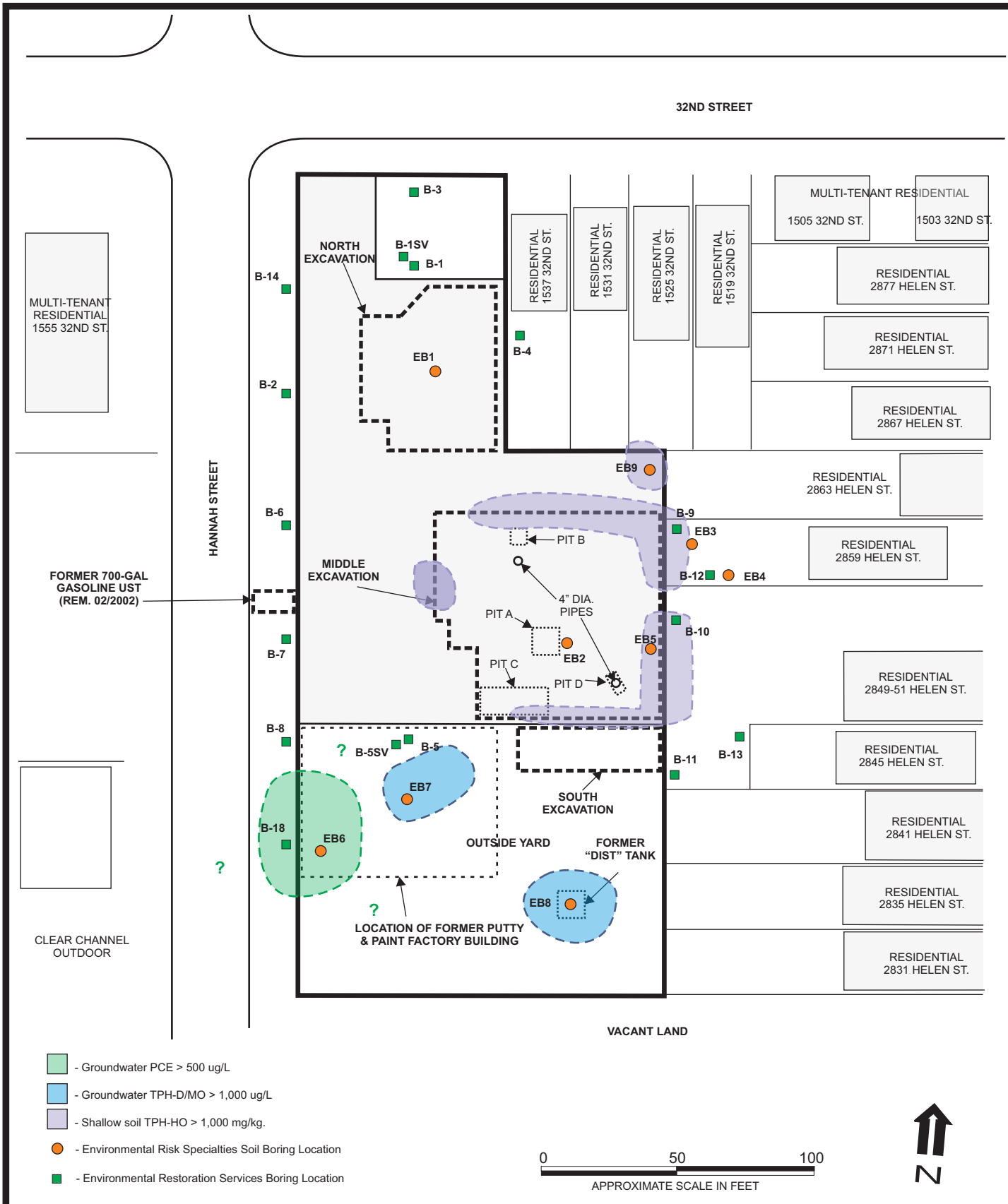
DESIGNED BY: JEG	CHECKED BY: MFK	**PRE-EXCAVATION LAB RESULTS**	DATE: 02/13/2015 FIGURE: **5**
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596
PROJECT NO: 15-20-001			



DESIGNED BY: JEG	CHECKED BY: MFK	**EXCAVATION VERIFICATION LAB RESULTS**	DATE: 02/13/2015
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	FIGURE: 6
PROJECT NO: 15-20-001			ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596



DESIGNED BY: JEG	CHECKED BY: MFK	**POST-EXCAVATION LAB RSULTS**	DATE: 02/13/2015
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	FIGURE: 7
PROJECT NO: 15-20-001			ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596



DESIGNED BY: JEG	CHECKED BY: MFK	**SCM AREAS OF CONTAMINANT IMPACTS**	DATE: 02/13/2015	FIGURE: **8**
DRAWN BY: MAR	SCALE: 1" = 40'	1549 32ND STREET OAKLAND, CALIFORNIA	ARS, INC Applied Remedial Services, Inc. P.O. Box 5086 Walnut Creek, CA 94596	
PROJECT NO: 15-20-001				

ATTACHMENT 2

INVESTIGATIVE DATA TABLE

Laboratory Analytical Results
1549 32nd Street, Oakland, CA
(2002-2008)

Sample ID	Consultant	Sample Date	Media	Sample Depth (feet)	TEPH 100/640	TPH-MO 100/640	TPH-D 100/640	TPH-HO 100/640	TPH-G 100/500	Benzene .74/27	Toluene 9.3/130	EB 4.7/43	Xylenes 11/100	PCE .55/63	TCE 1.7/130
SB-1-2.5	ERAS	3/27/2002	Soil	2.5	--	**8300**	--	--	11	0.053	0.065	0.046	0.17	--	--
SB-2-2.5	ERAS	3/27/2002	Soil	2.5	--	<50	--	--	<1.0	<0.005	<0.005	<0.005	<0.005	--	--
SB-3-3	ERAS	3/27/2002	Soil	3	--	<50	--	--	17	<0.005	<0.005	<0.005	<0.005	--	--
SB-4-3	ERAS	3/27/2002	Soil	3	--	**2100**	--	--	5.3	<0.005	0.0071	<0.005	0.020	--	--
SB-1	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	--	--	--	--	--	--
SB-2	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	--	--	--	--	--	--
SB-3	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	--	--	--	--	--	--
SB-4	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0
SB-5	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	<1.0	21	<1.0	2	<1.0	<2.0
SB-6	Enrest	4/26/2002	Water	(-11)	--	<500	--	--	--	--	--	--	--	--	--
SS-N	Enrest	4/26/2002	Soil	10.0	--	**3,300**	--	--	--	--	--	--	--	--	--
Pit A	Enrest	4/26/2002	Soil		--	--	--	--	--	<0.020	<0.020	<0.020	<0.060	--	--
Oil	Enrest	4/26/2002	Soil		--	--	--	--	--	**5.81**	3.62	<2.5	10.74	--	--
SP1	Enrest	5/21/2002	Water	(-11)	--	**77,000**	--	--	--	<1.0	<1.0	<1.0	<2.0	<1.0	<2.0
SP2	Enrest	5/21/2002	Water	(-11)	--	**74,000**	--	--	--	<1.0	<1.0	<1.0	3.0	<1.0	<2.0
SP3	Enrest	5/21/2002	Water	(-11)	--	**5,780,000**	--	--	--	**87**	94	<1.0	82	<1.0	2.0
Source Pt	Enrest	5/21/2002	Water	(-11)	--	--	--	--	--	<1.0	<1.0	<1.0	<2.0	<5.0	<10
Source Pt@7	Enrest	5/21/2002	Soil	7.0	--	**20,800**	--	--	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
Vault E	ERAS	4/1/2003	Solids		--	<6,500	<500	**18,000**	--	--	--	--	--	--	--
Vault F	ERAS	4/1/2003	Solids		--	93	<5	<65	--	--	--	--	--	--	--
Vault G	ERAS	4/1/2003	Solids		--	<13	<1	18	--	--	--	--	--	--	--
Vault H	ERAS	4/1/2003	Solids		--	<13,000	<1,000	**29,000**	--	--	--	--	--	--	--
Vault I	ERAS	4/1/2003	Solids		--	<13,000	<1,100	**43,000**	--	--	--	--	--	--	--
Vault J	ERAS	4/1/2003	Solids		--	<65	<5	**110**	--	--	--	--	--	--	--
PZ-1	ERAS	4/1/2003	Soil	3.0-3.5	--	<13	8.1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
PZ-1	ERAS	4/1/2003	Soil	11.0-12.0	--	<13	12	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
PZ-1	ERAS	4/1/2003	Water	(8.8)	--	<250	<50	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
PZ-2	ERAS	4/3/2003	Soil	1.0-2.0	--	<13	<1.0	80	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
PZ-2	ERAS	4/3/2003	Soil	11.5-12.5	--	<13	<1.0	20	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
PZ-2	ERAS	4/3/2003	Water		--	<556	<50	<556	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-5	ERAS	4/2/2003	Soil	2.5-3.5	--	<1,300	<100	**3,400**	0.31	<0.0125	<0.0125	<0.0125	0.023	<0.0125	<0.0125
E-5	ERAS	4/2/2003	Soil	11.0-12.0	--	<13	3.8	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-5	ERAS	4/2/2003	Water	(~10)	--	<10	<570	5,300	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-6	ERAS	4/1/2003	Soil	4.0-5.0	--	<260	<20	**640**	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-6	ERAS	4/1/2003	Soil	8.5-9.0	--	<260	<20	**2,000**	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-6	ERAS	4/1/2003	Water	(~10)	--	<338	130	<338	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-7	ERAS	4/1/2003	Soil	4.0-5.0	--	<13	4.8	<13	0.068	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-7	ERAS	4/1/2003	Soil	11.0-12.0	--	<13	<1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-7	ERAS	4/1/2003	Water	(14.5)	--	<250	<50	<250	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0

Sample ID	Consultant	Sample Date	Media	Sample Depth (feet)	TEPH 100/640	TPH-MO 100/640	TPH-D 100/640	TPH-HO 100/640	TPH-G 100/500	Benzene .74/27	Toluene 9.3/130	EB 4.7/43	Xylenes 11/100	PCE .55/63	TCE 1.7/130
E-8	ERAS	4/1/2003	Soil	4.0-5.0	--	<312.5	<25	<312.5	0.051	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-8	ERAS	4/1/2003	Soil	11.0-12.0	--	<13	9.6	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-8	ERAS	4/1/2003	Water	(6.7)	--	<385	<77	<385	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-9	ERAS	4/2/2003	Soil	1.0-2.0	--	<650	<50	**1,500**	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-9	ERAS	4/2/2003	Soil	11.0-12.0	--	<13	<1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-9	ERAS	4/2/2003	Water	(~10)	--	<291	<50	**890**	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-10	ERAS	4/1/2003	Soil	3.0-4.0	--	<1,300	<100	**3,700**	0.28	<0.005	0.015	<0.005	0.013	<0.005	<0.005
E-10	ERAS	4/1/2003	Soil	11.0-12.0	--	<13	<1	26	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-10	ERAS	4/1/2003	Water	(~10)	--	<313	<63	**670**	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-11	ERAS	4/2/2003	Soil	4.0-4.5	--	<130	<10	**220**	0.12	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-11	ERAS	4/2/2003	Soil	10.0-11.0	--	<13	9.0	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-11	ERAS	4/2/2003	Water	(~10)	--	<588	<118	**890**	<0.050	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-12	ERAS	4/2/2003	Soil	2.0-3.0	--	<13	<1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-12	ERAS	4/2/2003	Soil	11.0-12.0	--	<13	<1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-12	ERAS	4/2/2003	Water	(12.0)	--	<250	<50	<250	<0.050	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
E-13	ERAS	4/2/2003	Soil	2.0-3.0	--	<13	2.6	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-13	ERAS	4/2/2003	Soil	11.0-12.0	--	<13	<1	<13	<0.050	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
E-13	ERAS	4/2/2003	Water	(14.0)	--	<333	<67	<333	<0.050	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NSW3@7'	ERAS	1/21/2004	Soil	7	--	--	--	**160**	--	--	--	--	--	--	--
SE-2-7'	ERAS	12/30/2003	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
SS-1-7'	ERAS	12/30/2003	Soil	7	--	--	--	**130**	--	--	--	--	--	--	--
SW4-7	ERAS	12/30/2003	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
SWB-7'	ERAS	8/23/2003	Soil	7	--	--	--	--	--	--	--	--	--	--	--
XX@7'	ERAS	1/21/2004	Soil	7	--	--	--	**300**	--	--	--	--	--	--	--
YY@7'	ERAS	1/21/2004	Soil	7	--	--	--	32	--	--	--	--	--	--	--
SW-D-7A	ERAS	12/8/2003	Soil	7	--	--	--	66	--	--	--	--	--	--	--
SW-E-7A	ERAS	12/8/2003	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
SW-F-7A	ERAS	12/8/2003	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
OT2@7'	ERAS	1/21/2004	Soil	7	--	--	--	**830**	--	--	--	--	--	--	--
OT1@7'	ERAS	1/21/2004	Soil	7	--	--	--	**440**	--	--	--	--	--	--	--
OT6@7'	ERAS	1/21/2004	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
OT5@7'	ERAS	1/21/2004	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
OT4@7'	ERAS	1/21/2004	Soil	7	--	--	--	15	--	--	--	--	--	--	--
OT3@7'	ERAS	1/21/2004	Soil	7	--	--	--	<13	--	--	--	--	--	--	--
WB2-9'	ERAS	1/21/2004	Soil	9	--	--	--	--	--	--	--	--	--	--	--
SC-5-8'	ERAS	12/30/2003	Soil	8	--	--	--	<13	--	--	--	--	--	--	--
OTB1@10'	ERAS	1/21/2004	Soil	10	--	--	--	24	--	--	--	--	--	--	--
OTB2@10'	ERAS	1/21/2004	Soil	10	--	--	--	26	--	--	--	--	--	--	--
SWA-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**2,200**		<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
OT1@7'	ERAS	1/21/2004	Soil	7	--	--	--	**440**	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
OT2@7'	ERAS	1/21/2004	Soil	7	--	--	--	**830**	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
SWB-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**1,100**	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
SWC-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**140**	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005

Sample ID	Consultant	Sample Date	Media	Sample Depth (feet)	TEPH 100/640	TPH-MO 100/640	TPH-D 100/640	TPH-HO 100/640	TPH-G 100/500	Benzene .74/27	Toluene 9.3/130	EB 4.7/43	Xylenes 11/100	PCE .55/63	TCE 1.7/130
SWD-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**1,000**	--	--	--	--	--	--	--
SWE-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**2,800**	--	--	--	--	--	--	--
SWF-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**1,400**	--	--	--	--	--	--	--
SWG-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	<13	--	--	--	--	--	--	--
SWH-1@4'	ERAS	10/6/2003	Soil	4	--	--	--	**3,800**	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
BH-1@9'	ERAS	10/6/2003	Soil	9	--	--	--	**600**	--	--	--	--	--	--	--
BH-2@6'	ERAS	10/6/2003	Soil	6	--	--	--	**4,200**	--	--	--	--	--	--	--
BH-3@9'	ERAS	10/6/2003	Soil	9	--	--	--	**470**	--	--	--	--	--	--	--
BH-4@10'	ERAS	10/6/2003	Soil	10	--	--	--	**160**	--	--	--	--	--	--	--
SW-A-7	ERAS	10/23/2003	Soil	7	--	--	--	**910**	--	--	--	--	--	--	--
SW-B-7	ERAS	10/23/2003	Soil	7	--	--	--	**1,300**	--	--	--	--	--	--	--
SW-D-7	ERAS	10/23/2003	Soil	7	--	--	--	**5,900**	--	--	--	--	--	--	--
SW-E-7	ERAS	10/23/2003	Soil	7	--	--	--	**3,800**	--	--	--	--	--	--	--
SW-F-7	ERAS	10/23/2003	Soil	7	--	--	--	**5,900**	--	--	--	--	--	--	--
BH-1-9	ERAS	10/23/2003	Soil	7	--	--	--	**440**	--	--	--	--	--	--	--
BH-2-9	ERAS	10/23/2003	Soil	7	--	--	--	61	--	--	--	--	--	--	--
SWI@7'	ERAS	12/15/2003	Soil	7	--	--	--	**670**	--	--	--	--	--	--	--
SWJ@7'	ERAS	12/15/2003	Soil	7	--	--	--	**3,400**	--	--	--	--	--	--	--
B5,9'-9.5'	ERAS	12/15/2003	Soil	9-9.5	--	--	--	**1,900**	--	--	--	--	--	--	--
B6,9'9.5'	ERAS	12/15/2003	Soil	9-9.5	--	--	--	98	--	--	--	--	--	--	--
B7,9'-90.5'	ERAS	12/15/2003	Soil	9-9.5	--	--	--	<13	--	--	--	--	--	--	--
SN3-3	ERAS	12/30/2003	Soil	3	--	--	--	<13	--	--	--	--	--	--	--
SN3-7	ERAS	12/30/2003	Soil	7	--	--	--	**1,700**	--	--	--	--	--	--	--
SW4-9	ERAS	12/30/2003	Soil	9	--	--	--	<13	--	--	--	--	--	--	--
NSW2@7'	ERAS	1/12/2004	Soil	7	--	--	--	**2,400**	--	--	--	--	--	--	--
WB2@9'	ERAS	1/12/2004	Soil	9	--	--	--	<13	--	--	--	--	--	--	--
B4@4'	Enrest	4/21/2005	Soil	4	<50	--	--	--	<0.5						
B4@9'	Enrest	4/21/2005	Soil	9	--	--	--	--	--	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B4-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	????	????	????	????	????	????
B9-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	--	--	--	--	--	--
B12-GW	Enrest	4/21/2005	Water	(~10)	--	--	--	--	<50	--	--	--	--	--	--
B10@4'	Enrest	4/21/2005	Soil	4	--	--	--	--	--	--	--	--	--	--	--
B10@9'	Enrest	4/21/2005	Soil	9	60	--	--	--		<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B10-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	????	????	????	????	????	????
B13-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	--	--	--	--	--	--
B11@4'	Enrest	4/21/2005	Soil	4	--	--	--	--	????	--	--	--	--	--	--
B11@9	Enrest	4/21/2005	Soil	9	--	--	--	--	<0.5	--	--	--	--	--	--
B11-GW	Enrest	4/21/2005	Water	(~10)	--	--	--	--	<50	--	--	--	--	--	--
B5@4'	Enrest	4/21/2005	Soil	4	<50	--	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B5@9'	Enrest	4/21/2005	Soil	9	<50	--	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B5-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	????	????	????	????	????	????
B8@4'	Enrest	4/21/2005	Soil	4	<50	--	--	--	<0.5	--	--	--	--	--	--
B8@9'	Enrest	4/21/2005	Soil	9	<50	--	--	--	<0.5	--	--	--	--	--	--

Sample ID	Consultant	Sample Date	Media	Sample Depth (feet)	TEPH 100/640	TPH-MO 100/640	TPH-D 100/640	TPH-HO 100/640	TPH-G 100/500	Benzene .74/27	Toluene 9.3/130	EB 4.7/43	Xylenes 11/100	PCE .55/63	TCE 1.7/130
B8-GW	Enrest	4/21/2005	Water	(~10)	--	--	--	--	<50	--	--	--	--	--	--
B6-GW	Enrest	4/21/2005	Water	(~10)	<10,000	--	--	--	<50	--	--	--	--	--	--
B2@4'	Enrest	4/21/2005	Soil	4	--	--	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B2@9'	Enrest	4/21/2005	Soil	9	--	--	--	--	<0.5	????	????	????	????	????	????
B2-GW	Enrest	4/21/2005	Water	(~10)	--	--	--	--	--	--	--	--	--	--	--
B1@4'	Enrest	4/21/2005	Soil	4	<50	--	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B1@9'	Enrest	4/21/2005	Soil	9	**120**	--	--	--	<0.5	<0.005	<0.005	<0.005	<0.010	<0.005	<0.005
B1-GW	Enrest	4/21/2005	Water	(~10)	--	--	--	--	<50	--	--	--	--	--	--
B14@4'	Enrest	4/22/2005	Soil	4	<50	--	--	--	<0.5	--	--	--	--	--	--
B14@9'	Enrest	4/22/2005	Soil	9	<50	--	--	--	<0.5	--	--	--	--	--	--
B7@4'	Enrest	4/22/2005	Soil	4	<50	--	--	--	<0.5	--	--	--	--	--	--
B7@9'	Enrest	4/22/2005	Soil	9	70	--	--	--	3.44	--	--	--	--	--	--
B18@4'	Enrest	4/22/2005	Soil	4	<50	--	--	--	<0.5	--	--	--	--	--	--
B18@9'	Enrest	4/22/2005	Soil	9	<50	--	--	--	<0.5	--	--	--	--	--	--
B8-GW	Enrest	4/22/2005	Water	(~10)	???	--	--	--	--	--	--	--	--	--	--
B12-GW	Enrest	4/22/2005	Water	(~10)	???	--	--	--	--	--	--	--	--	--	--
B2-GW	Enrest	4/22/2005	Water	(~10)	<10,000	--	--	--	--	--	--	--	--	--	--
B11-GW	Enrest	4/22/2005	Water	(~10)	<10,000	--	--	--	--	--	--	--	--	--	--
B8-GW@25'	Enrest	4/22/2005	Water	(25)	<17,000	--	--	--	62	--	--	--	--	--	--
B5-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B10-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B11-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B10-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B11-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B9-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B13-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B6-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B4-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	**853**	--	--	--	--	--	--
B18-GW	Enrest	4/22/2005	Water	(~10)	<10,000	--	--	--	**1,640**	--	--	--	--	--	--
B7-GW	Enrest	4/22/2005	Water	(~10)	<20,000	--	--	--	<50	--	--	--	--	--	--
B18-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	285	--	--	--	--	--	--
B7-GW@25'	Enrest	4/22/2005	Water	(25)	<19,000	--	--	--	<50	--	--	--	--	--	--
B3-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B1-GW	Enrest	4/22/2005	Water	(~10)	<10,000	--	--	--	<50	--	--	--	--	--	--
B1-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B14-GW	Enrest	4/22/2005	Water	(~10)	???	--	--	--	<50	--	--	--	--	--	--
B14-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B2-GW@25'	Enrest	4/22/2005	Water	(25)	<10,000	--	--	--	<50	--	--	--	--	--	--
B-5SV	Enrest	5/25/2005	Vapor	3.5	--	--	--	--	--	5#	33!	9.1^	52&	<7.3>	<5.8"
B-1SV	Enrest	5/25/2005	Vapor	3.5	--	--	--	--	--	<3.6	30	6.9	36	<7.8	<6.2
EB3-W-18.5	ERSC	9/18/2008	Water	(18.5)	--	610	**730**	--	--	--	--	--	--	<0.5	<0.5
EB4-W-21.0	ERSC	9/18/2008	Water	(21.0)	--	<300	69	--	--	--	--	--	--	<0.5	<0.5
EB5-W-21.0	ERSC	9/18/2008	Water	(21.0)	--	<300	150	--	--	--	--	--	--	1.6	<0.5
EB6-W-21.0	ERSC	9/18/2008	Water	(21.0)	--	<300	73	--	**15000***	<83	<83	<83	<83	**11,000**	<83
EB7-W-15.5	ERSC	9/18/2008	Water	(15.5)	--	**1,600**	**1,400**	--	<50	<0.5	<0.5	<0.5	<0.5	7.1	4.3

Sample ID	Consultant	Sample Date	Media	Sample Depth (feet)	TEPH 100/640	TPH-MO 100/640	TPH-D 100/640	TPH-HO 100/640	TPH-G 100/500	Benzene .74/27	Toluene 9.3/130	EB 4.7/43	Xylenes 11/100	PCE .55/63	TCE 1.7/130
EB8-W-8.5	ERSC	9/18/2008	Water	(8.5)	--	**650**	**3,100**	--	460	<0.5	<0.5	5.0	1.3	<0.5	<0.5
EB9-W-15.5	ERSC	9/18/2008	Water	(15.5)	--	<300	51	--	--	--	--	--	--	2.1	<0.5
EB1-4.0	ERSC	9/18/2008	Soil	4	--	**370**	52	--	--	--	--	--	--	<4.8	<4.8
EB1-8.0	ERSC	9/18/2008	Soil	8	--	**230**	**250**	--	--	--	--	--	--	<5.0	<5.0
EB1-12.0	ERSC	9/18/2008	Soil	12	--	<5.0	<0.99	--	--	--	--	--	--	--	--
EB2-4.0	ERSC	9/18/2008	Soil	4	--	**130**	22	--	--	--	--	--	--	<4.9	<4.9
EB2-8.0	ERSC	9/18/2008	Soil	8	--	**140**	33	--	--	--	--	--	--	<4.7	<4.7
EB2-12.0	ERSC	9/18/2008	Soil	12	--	<5.0	<0.99	--	--	--	--	--	--	--	--
EB8-7.5	ERSC	9/18/2008	Soil	7.5	--	8.8	3.3	--	--	--	--	--	--	<4.8	<4.8
EB8-16.0	ERSC	9/18/2008	Soil	16	--	<5.0	1.7	--	--	--	--	--	--	--	--
EB7-7.5	ERSC	9/18/2008	Soil	7.5	--	<5.0	2.2	--	--	--	--	--	--	<4.6	<4.6
EB7-15.0	ERSC	9/18/2008	Soil	15	--	<5.0	2.4	--	--	--	--	--	--	--	--
EB6-7.5	ERSC	9/18/2008	Soil	7.5	--	<5.0	<1.0	--	--	--	--	--	--	**48**	<4.6
EB6-16.0	ERSC	9/18/2008	Soil	16	--	<5.0	<1.0	--	--	--	--	--	--	--	--
EB5-7.4	ERSC	9/18/2008	Soil	7.4	--	**2,500**	**5,500**	--	--	--	--	--	--	<4.9	<4.9
EB5-16.0	ERSC	9/18/2008	Soil	16	--	<5.0	11	--	--	--	--	--	--	--	--
EB9-7.4	ERSC	9/18/2008	Soil	7.4	--	**670**	**1,700**	--	--	--	--	--	--	<4.9	<4.9
EB9-15.5	ERSC	9/18/2008	Soil	15.5	--	**130**	**290**	--	--	--	--	--	--	--	--
EB3-9.0	ERSC	9/18/2008	Soil	9	--	7.3	12	--	--	--	--	--	--	<4.9	<4.9
EB3-15.5	ERSC	9/18/2008	Soil	15.5	--	<5.0	2.7	--	--	--	--	--	--	--	--
EB4-9.0	ERSC	9/18/2008	Soil	9	--	<5.0	2.3	--	--	--	--	--	--	<5.0	<5.0
EB4-16.5	ERSC	9/18/2008	Soil	16.5	--	<5.0	4.3	--	--	--	--	--	--	--	--

Legend:

(--): Results were not analyzed or unavailable

???: Laboratory analytical results could not be interpreted

TEPH 100/640: ESL (2013)- **1st No. is ESL-Residential Scenario soil in *mg/kg* / 2nd No. is ESL-Groundwater Scenario, water is not a source of drinking water in *ug/l***

*** Result flagged by the laboratory as primarily due to single spike and not resembling TPHg**

 # Residential Land Use Soil Gas 42 ug/m^3/Indoor Air 0.084 ug/m^3 (Benzene)

! Residential Land Use Soil Gas 1.6E+05 ug/m^3/Indoor Air 310 ug/m^3 (Toluene)

^ Residential Land Use Soil Gas 490 ug/m^3/Indoor Air 0.97 ug/m^3 (Ethylbenzene)

& Residential Land Use Soil Gas 490 ug/m^3/Indoor Air 0.97 ug/m^3 (Xylene)

> Residential Land Use Soil Gas 0.41 ug/m^3/Indoor Air 210 ug/m^3 (Perchloroethylene)

" Residential Land Use Soil Gas 0.59 ug/m^3/Indoor Air 300 ug/m^3 (Trichloroethylene)

TPH-HO: Total Petroleum Hydrocarbons as Hydaulic Oil, EB: Ethylbenzene, TCE: Trichloroethylene

ATTACHMENT 3

SELECTED BORING LOGS

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB1

Soil Color (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
			0	Gravel-Sand-Silt Mixture (GM), dense, INTERPRETED AS FILL
	0	EB1-4.0	4	
	0	EB1-8.0	8	Silty Clay (CL), yellowish brown, moderately plastic, medium stiff, low estimated permeability, 10-20% fines, uniform, damp.
10YR-5/6	0	EB1-12.0	12	**TOTAL DEPTH OF BORING: 12.0 feet bgs**
			14	
			16	
			18	
			20	
			22	
			24	
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB1**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB2

Soil Color (Color Code, Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
			0	Gravel-Sand-Silt Mixture (GM), dense, INTERPRETED AS FILL
	0	EB2-4.0	4	
	0	EB2-8.0	8	Silty Clay (CL), olive grey, moderately plastic, medium stiff, low estimated permeability, 10-20% fines, uniform, damp.
2.5Y-5/2			10	
	0	EB2-12.0	12	**TOTAL DEPTH OF BORING: 12.0 feet bgs**
			14	
			16	
			18	
			20	
			22	
			24	
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB2**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB3

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
5Y-2.5/1			0	Gravel-Sand-Silt Mixture (GM), black, medium dense, moderate estimated permeability, 15-30% fines to medium grain gravel, dry.
			2	
			4	
10YR-5/1			6	Silty Clay (CL), yellowish brown, moderately plastic, medium stiff, low estimated permeability, 10-20% fines to medium grain gravel, uniform, damp.
	0	EB3-9.0	8	
			10	
			12	
			14	
	0	EB3-15.5	16	
			▽ 18	Silty Sand (SM), yellowish brown, high estimated permeability, 10-40% fines, uniform, very moist to saturated.
	0	EB3-20.0	20	**TOTAL DEPTH OF BORING: 20.0 feet bgs**
			22	
			24	
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB3**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB4

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
5Y-2.5/1			0	Gravel-Sand-Silt Mixture (GM), black, medium dense, moderate estimated permeability, 15-30% fines to medium grain gravel, dry.
			2	
			4	
10YR-5/1			6	Silty Clay (CL), yellowish brown, moderately plastic, medium stiff, low estimated permeability, 10-20% fines to medium grain gravel, uniform, damp.
	0	EB4-9.0	8	
			10	
			12	
			14	
			16	
	0	EB4-16.5		
			18	
	0	EB4-19.0		
			20 ▽	
			22	Silty Sand (SM), yellowish brown, high estimated permeability, 10-40% fines, uniform, very moist to saturated.
				TOTAL DEPTH OF BORING: 22.0 feet bgs
			24	
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB4**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB5 (advanced at ~20 degree angle)

Soil Color (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth (ft) *true vertical depth*	
			0	Gravel-Sand-Silt Mixture (GM), dense, INTERPRETED AS FILL
			2	
			4	
			3.7	
			6	
2.5Y-5/2	0.3	EB5-7.4	8	Silty Clay (CL), olive grey, moderately plastic, medium stiff, low estimated permeability, 10-20% fines, uniform, damp, petroleum odor noted from 6.5 to 7.4 feet bgs.
			7.4	
			10	
	0	EB5-11.1	12	
			11.1	
10YR-5/6			14	Silty Clay (CL), as above, yellowish brown, medium estimated permeability, 50 to 75% fines, moist, no odor noted.
			16	
			14.8	
	0	EB5-16.0	18	
			20	
2.5Y-5/2			***18.5*** ▽	Silty Clay (CL), as above, olive grey, soft, very moist
	0	EB5-20.0	22	
			24	
			22.2	**TOTAL DEPTH OF BORING: 22.2 feet bgs**
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB5**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB6

Soil Color (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
			0	Gravel-Sand-Silt Mixture (GM), dark brown, medium dense, moderate estimated permeability, 15-30% fines to medium grain gravel, dry.
10YR-3/4 5Y-2.5/1	0		4	Silty Clay (CL), black, moderately plastic, medium stiff, low estimated permeability, 10-20% fines to medium grain gravel, uniform, damp.
	1.0	EB6-7.5	8	
2.5Y-4/2				Silty Clay (CL), as above, brownish grey
	0.6	EB6--12.0	12	
	1.4	EB6-16.0	16	
10YR-5/6				Silty Clay (CL), as above, yellow brown, appr. 6-inch disseminated gravel from 19.5 to 20.0 feet (very moist), 30-50 % fines to medium grain gravel, uniform, moist.
	0.7	EB6-20.0	20 ▽	
			24	**TOTAL DEPTH OF BORING: 24.0 feet bgs**

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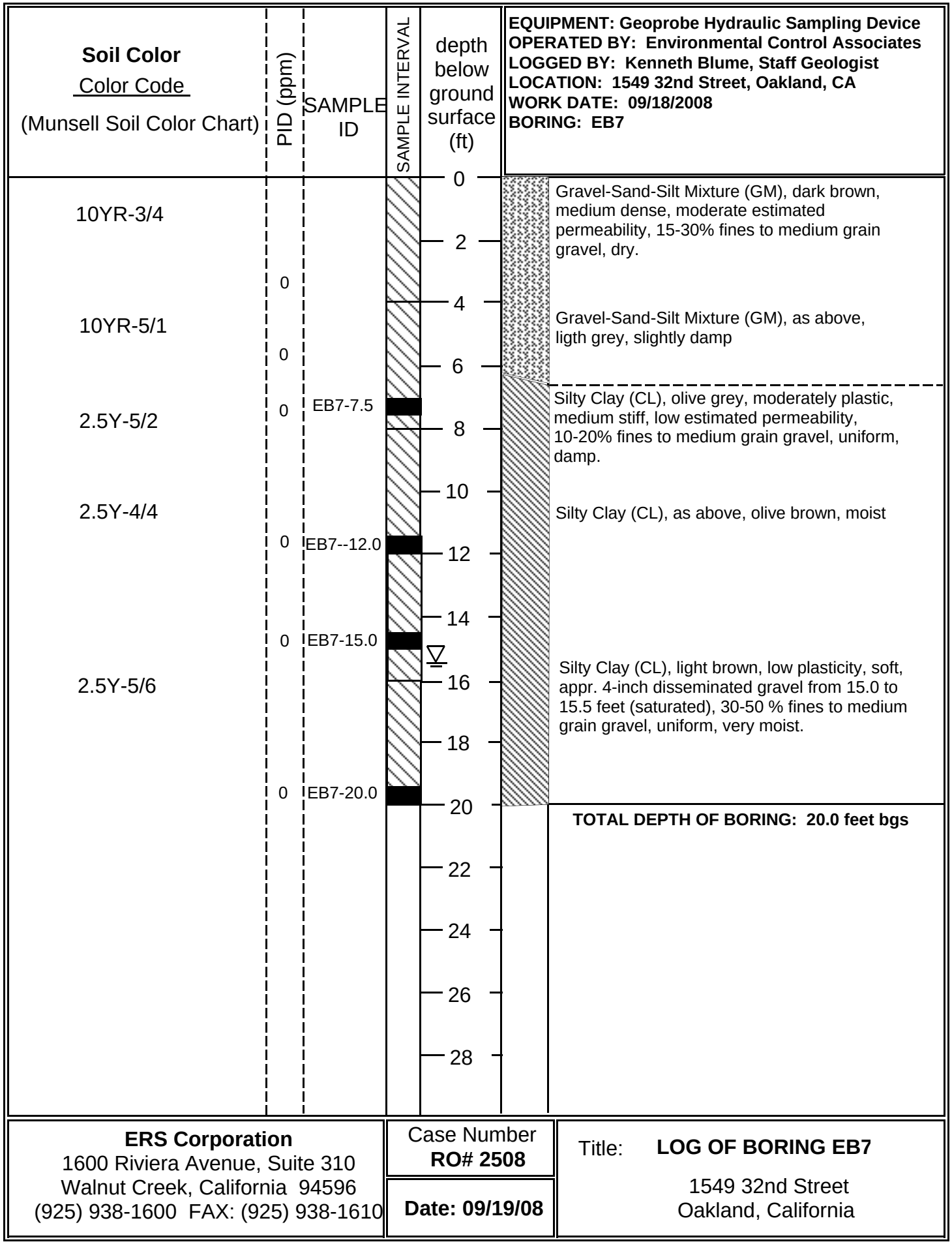
Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB6**

1549 32nd Street
Oakland, California



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Case Number
RO# 2508

Date: 09/19/08

Title: **LOG OF BORING EB7**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB8

Soil Color (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth below ground surface (ft)	
			0	Gravel-Sand-Silt Mixture (GM), greyish, medium dense, moderate estimated permeability, 15-20% fines to medium grain gravel, dry.
2.5YR-N3			2	
10YR-5/6	0		4	Gravelly Clay (CL), yellow-brown, moderately plastic, medium stiff, low estimated permeability, 10-30% fines to medium grain gravel, uniform, dry.
5YR-3/3			6	Gravelly Clay (CL), as above, reddish-brown, damp
	0.1	EB8-7.5		
2.5Y-5/2	0	EB8--8.5 ▽	8	Silty Clay (CL), as above, olive-grey, very moist
			10	
10YR-3/4	0		12	Silty Gravel (CL), as above, dark brown
2.5Y-5/6			14	Silty Clays (CL), as above, light brown, 0-10% disseminated gravels, moist
	0	EB8-16.0	16	**TOTAL DEPTH OF BORING: 16.0 feet bgs**
			18	
			20	
			22	
			24	
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB8**

1549 32nd Street
Oakland, California

EQUIPMENT: Geoprobe Hydraulic Sampling Device
OPERATED BY: Environmental Control Associates
LOGGED BY: Kenneth Blume, Staff Geologist
LOCATION: 1549 32nd Street, Oakland, CA
WORK DATE: 09/18/2008
BORING: EB9 (advanced at ~20 degree angle)

Soil Color Color Code (Munsell Soil Color Chart)	PID (ppm)	SAMPLE ID	depth (ft) ***true vertical depth***	
			0	Gravel-Sand-Silt Mixture (GM), dark gray, medium dense, moderate estimated permeability, 15-30% fines to medium grain gravel, dry (interpreted as FILL)
5Y-2.5/1			2	
			4	
2.5Y-5/2			***3.7***	Gravelly Clay (CL), olive grey, moderately plastic, medium stiff, low to moderate estimated permeability, 10-20% fines, uniform, damp.
			6	
	0.2	EB9-7.4	8	Silty Clay (CL), as above, low estimated permeability, 10-40% fines to medium grain gravels, uniform, damp, petroleum odor noted from 6.5 to 7.4 feet bgs.
			7.4	
			10	
	0	EB9-11.1	12	
			11.1	Silty Clay (CL), as above, yellowish brown.
10YR-5/6			14	
			16	
			▽***14.8***	
	0	EB9-15.5	18	Silty Sand (SM), yellowish brown, moderate estimated permeability, 10-40% fines, fine to medium grain, uniform, saturated.
			20	
			18.5	
			22	Silty Clay (CL), olive grey, low estimated permeability, 10-20% fines, uniform, moist..
2.5Y-5/2			24	
			22.2	**TOTAL DEPTH OF BORING: 22.2 feet bgs**
			26	
			28	

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Case Number **RO# 2508**

Date: 09/19/08

Title: **LOG OF BORING EB9**

1549 32nd Street
Oakland, California

1-Western Side of building along Hannah Street

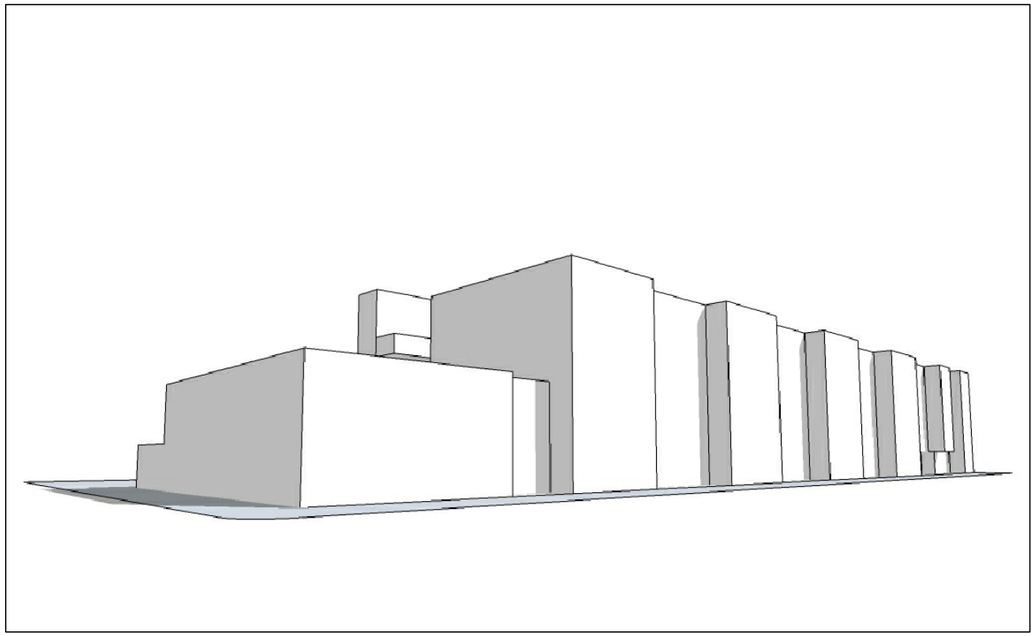
2-Southwestern side of building

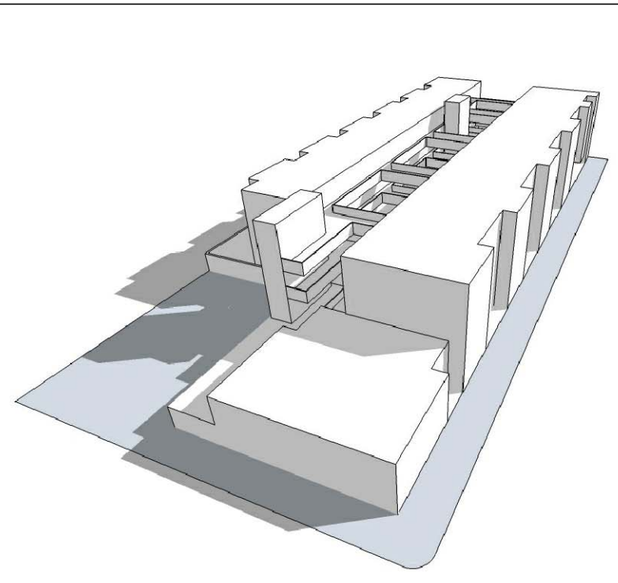
3-Southern view of Building at the Site

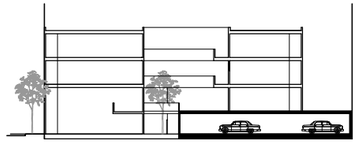
4-Interior of the Building

5-Ceiling of the building

6-Paint & Putty Factory

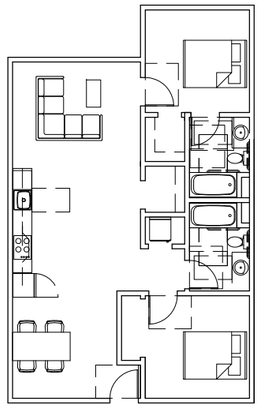




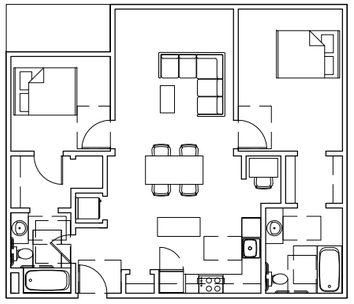


OPTION A.2: SUMMARY
TYPE V-B WITH S-2 PARKING
3 STORIES OVER PARKING &
3 STORIES WITH MEZZANINES AT WORK-LIVE UNITS

TYPICAL UNIT:



2BR/2BR
945 sf



2BR/2BA
990 sf

ALLOWABLE UNIT COUNT CALCULATION
34,112 SF / 930 SF/UNIT
= 36.7 UNITS (37 UNITS)

UNIT COUNT:
36 RESIDENTIAL UNITS
(36) 2-BEDROOOM
11 WORK-LIVE UNITS

47 REQUIRED PARKING:
36 RESIDENTIAL
11 WORK/LIVE
+1 COMM. LOADING

GROSS SF: 67,488 SF
RESIDENTIAL NET: 35,820 SF
LIVE/WORK NET: 15,460 SF

FAR:
34,112 SF X 2.5 = 85,280 SF
34,112 SF X 3.0 = 102,336 SF

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OPTIONA.2: SUMMARY & 3D VIEWS
02.17.2015

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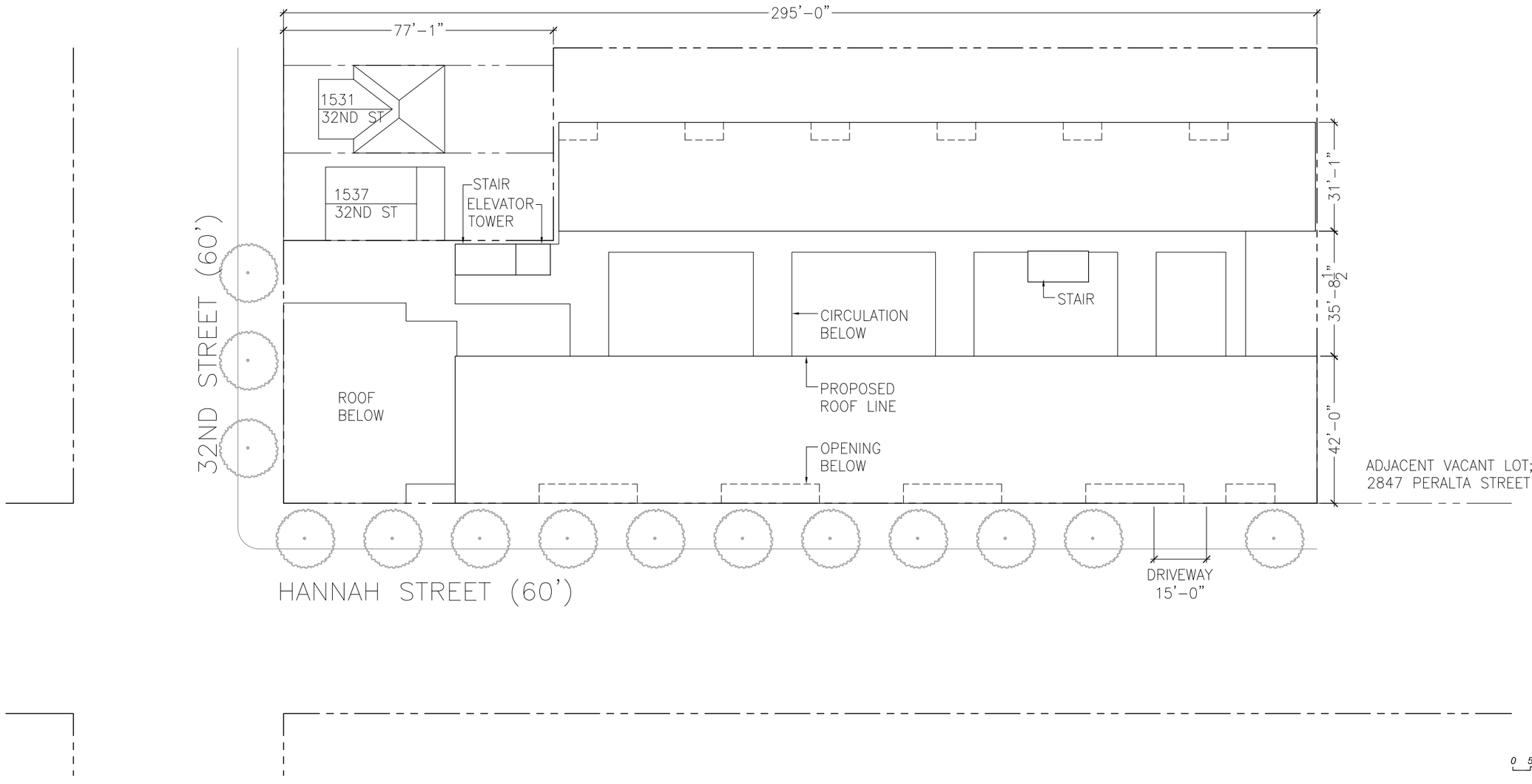

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OPTION A.2: SITE PLAN
02.17.2015

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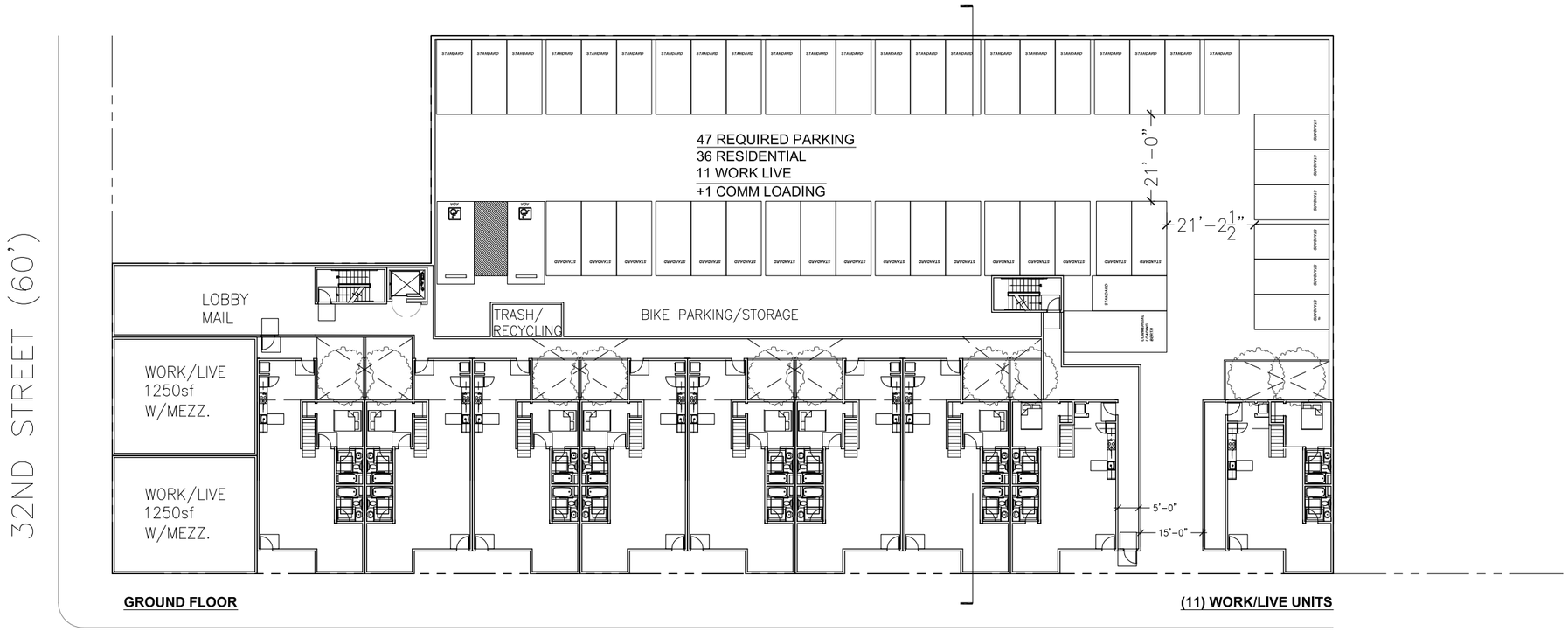

OPTION A.2: SUMMARY
(34) 2-BEDROOM
(2) 3-BEDROOM
36 RESIDENTIAL UNITS
+ 11 WORK-LIVE UNITS

0 5' 10' 20' 40' N

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OPTION A.2: GROUND FLOOR
02.17.2015

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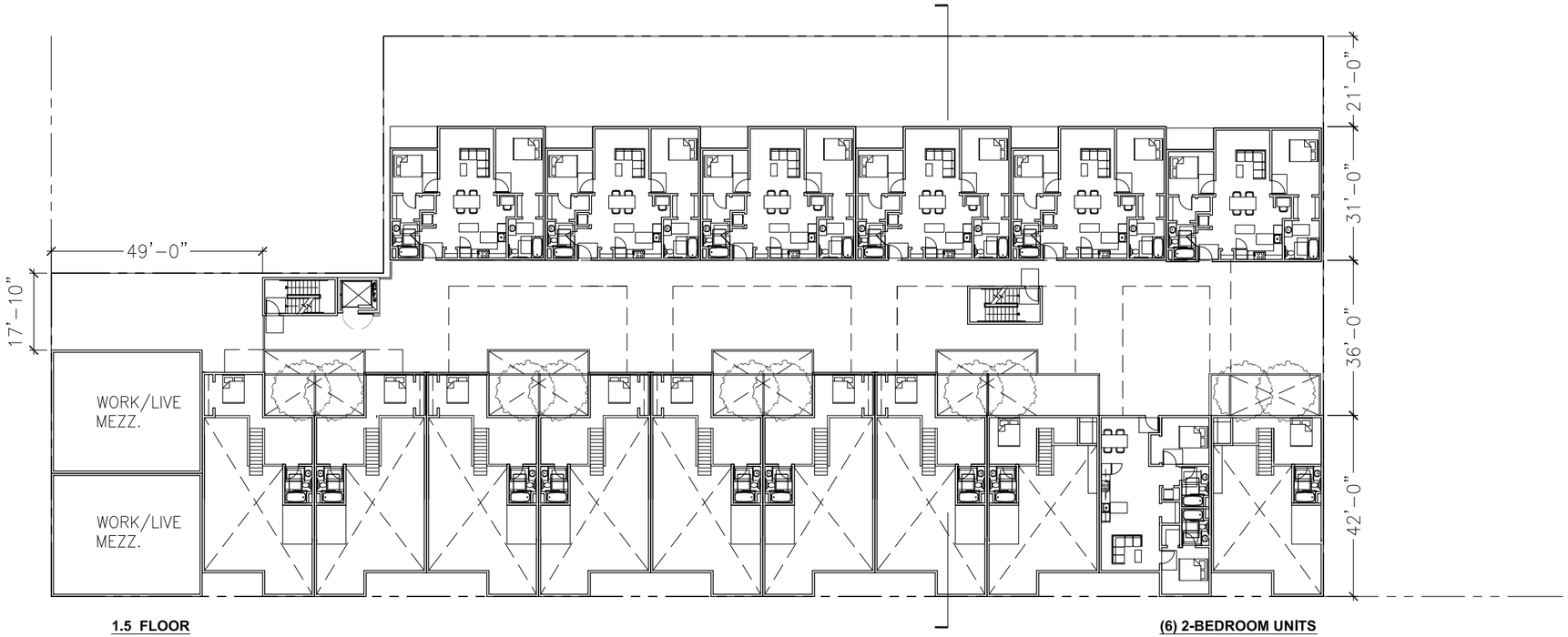

1.5 FLOOR

(6) 2-BEDROOM UNITS

OPTION A.2: SUMMARY
(34) 2-BEDROOM (2) 3-BEDROOM
36 RESIDENTIAL UNITS + 11 WORK-LIVE UNITS

0 5' 10' 20' 40' N

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OPTION A.2: 1.5 FLOOR
02.17.2015

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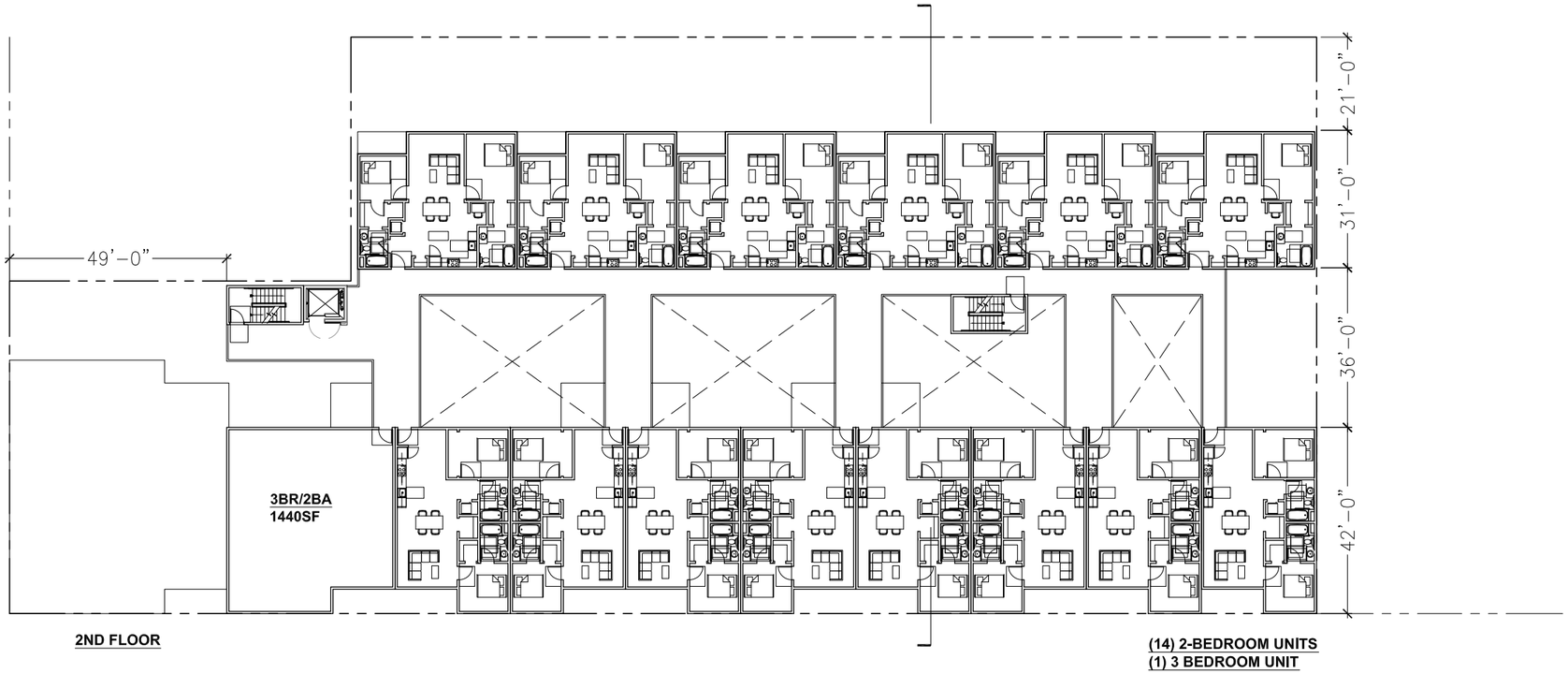

OPTION A.2: SUMMARY
(34) 2-BEDROOM (2) 3-BEDROOM
36 RESIDENTIAL UNITS + 11 WORK-LIVE UNITS

0 5' 10' 20' 40' N

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OPTION A.2: 2ND FLOOR
02.17.2015

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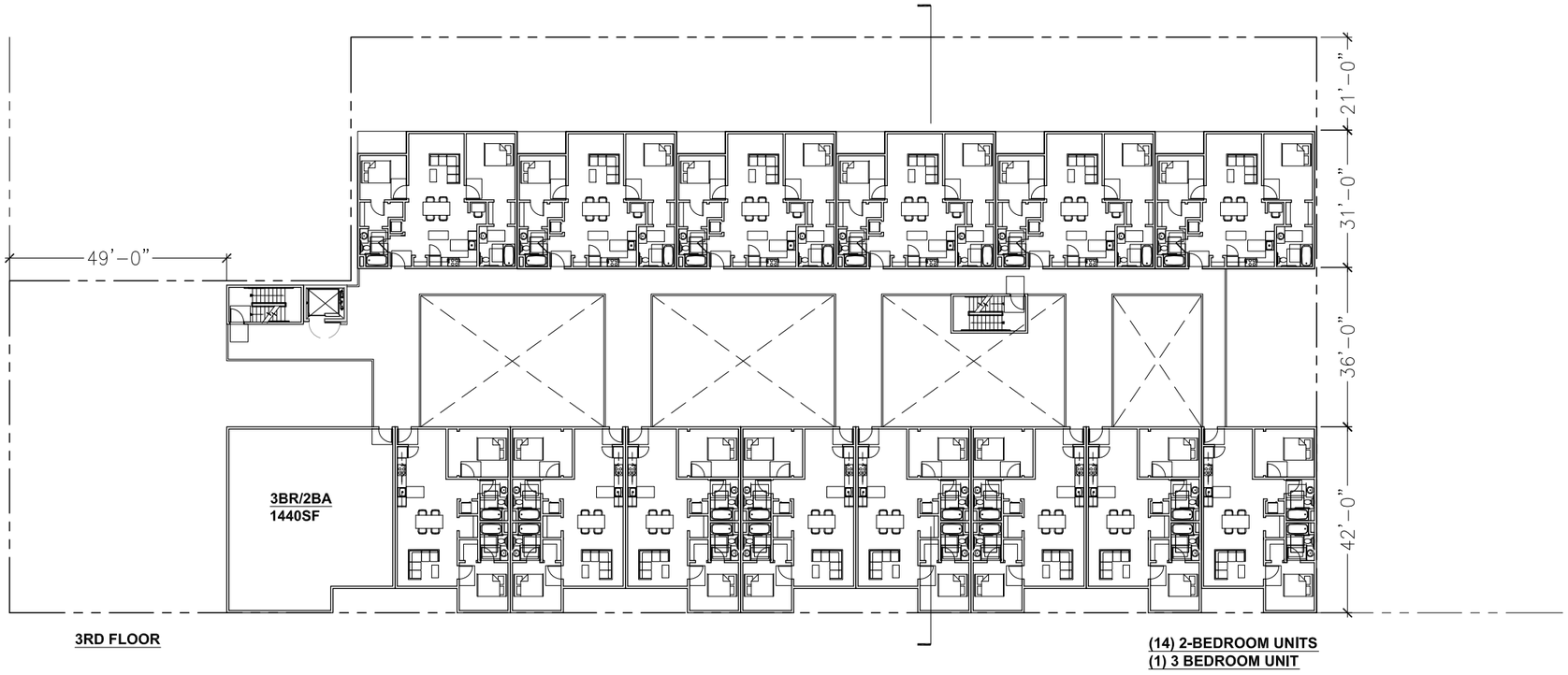

OPTION A.2: SUMMARY
(34) 2-BEDROOM (2) 3-BEDROOM
36 RESIDENTIAL UNITS + 11 WORK-LIVE UNITS

0 5' 10' 20' 40' N

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OPTION A.2: 3RD FLOOR
02.17.2015

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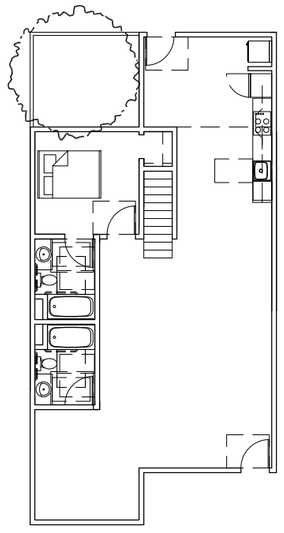
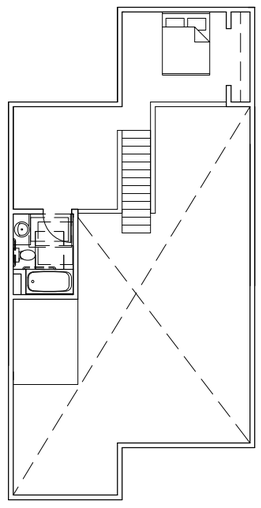
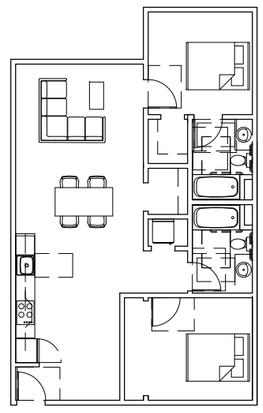
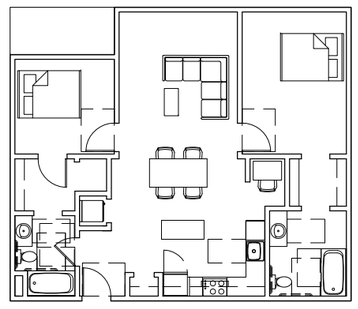


WORK/LIVE
1440 sf w/loft

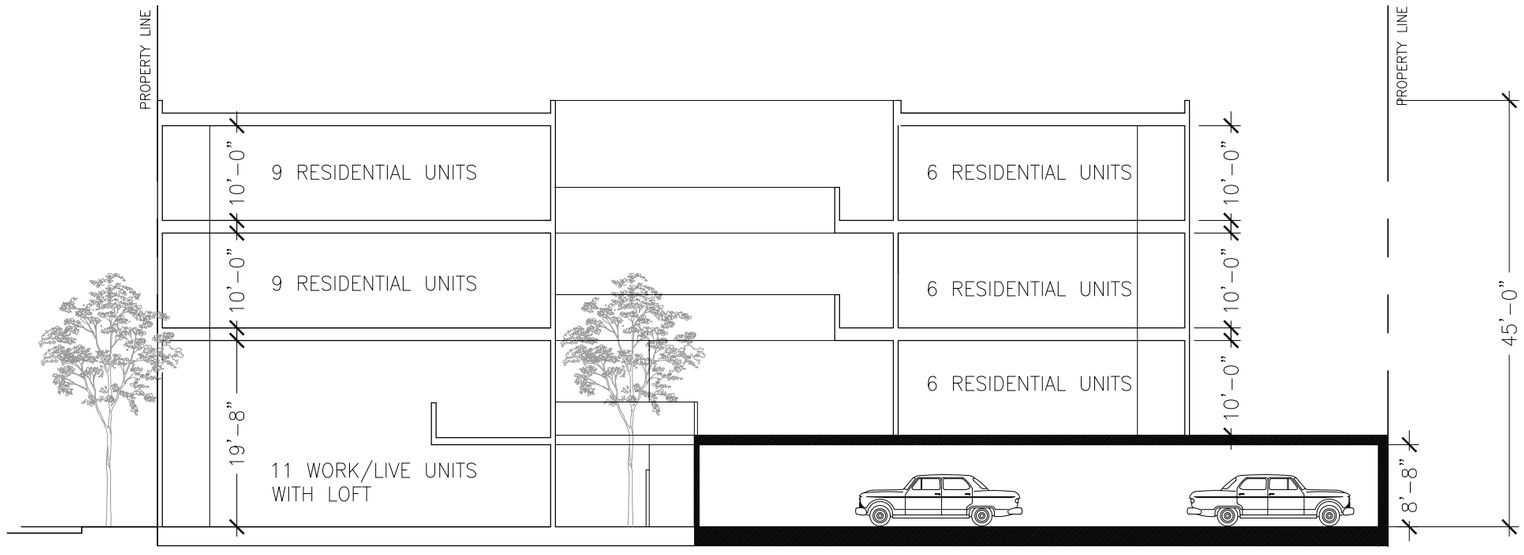




2BR/2BR
945 sf



2BR/2BA
990 sf



0 5' 10' 20' 40'

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CA 94107

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OPTION A.2: UNIT TYPES & SECTION
02.17.2015

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