

## Nowell, Keith, Env. Health

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**From:** Dennis Dettloff <Dennis.Dettloff@anteagroup.com>  
**Sent:** Thursday, June 11, 2015 9:25 AM  
**To:** Nowell, Keith, Env. Health  
**Cc:** paul@pminc.net; Ed Weyrens; Jan Wagoner  
**Subject:** Fuel leak case RO219 - 499 Hegenberger Rd., Oakland  
**Attachments:** 20150610 2705191 Site Plan w Soil Analytical & Proposed Excavation.pdf

Keith:

Attached is the updated figure showing the proposed excavation areas revised due to the location of the existing underground utilities in the area. The area north of boring SB-10 is optional, and we will leave it up to you if you want Antea Group to excavate the soil in this area. Also the area southwest of MW-14 that is not included in the proposed excavation are will also be excavated if any petroleum hydrocarbon impact is observed or the PID indicates impact during excavation activities. Please let me know as soon as possible if the proposed areas to be excavated on the attached map are acceptable to you.

As you requested, below is a list of personnel that were on-site this past Tuesday and will continue to work on this project going forward:

Jan Wagoner/Engineer, Senior Project Manager, 1 (916) 503-1275;  
Ed Weyrens/P.G., Project Professional, 1 (916) 503-1277; and  
Paul Paradiso/Paradiso Mechanical, Contractor, 1 (510) 614-8390 ext.102.

Don't hesitate to contact any of the above, or myself if you have any questions.

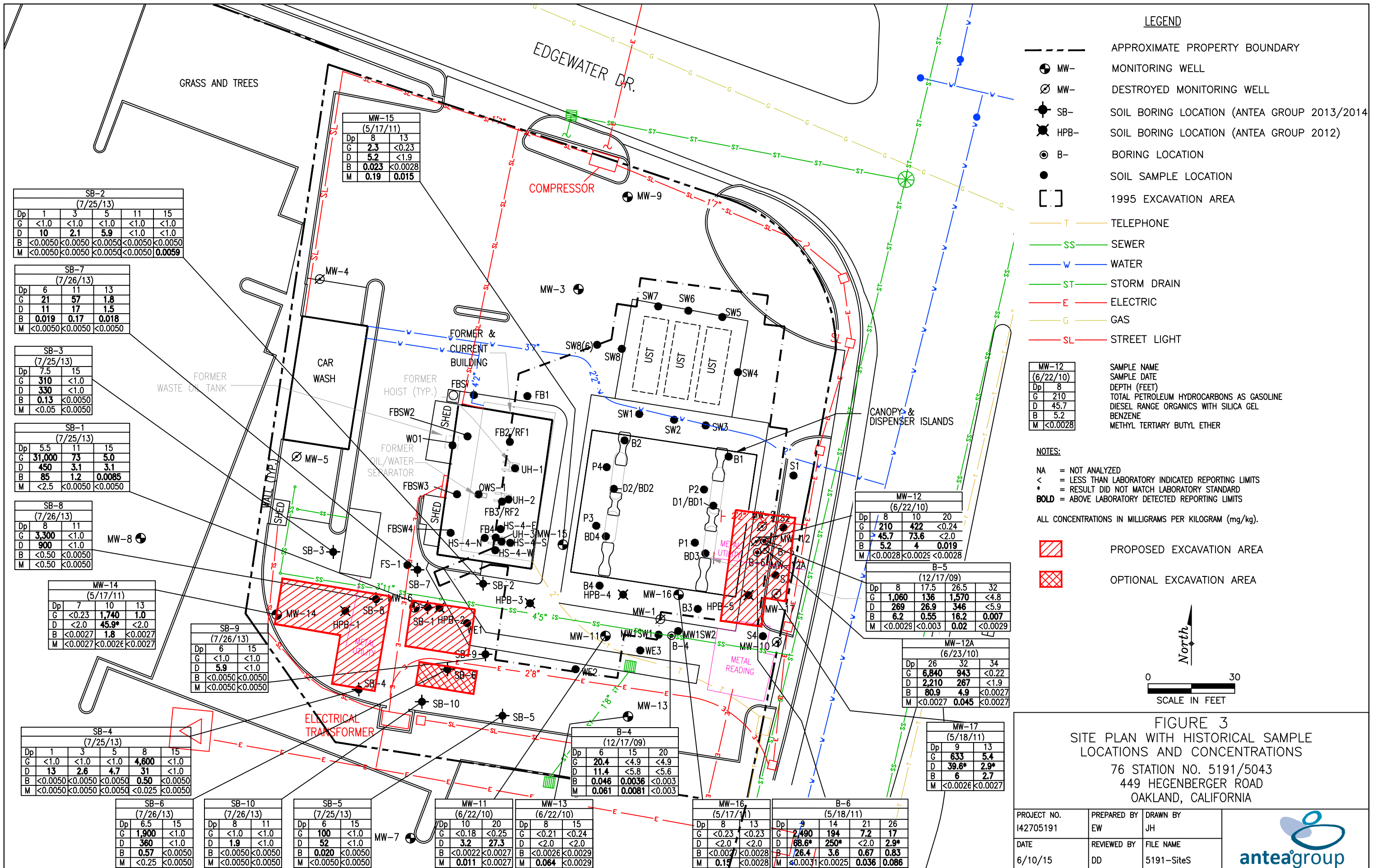
Regards,

**Dennis S. Dettloff, P.G. | Senior Project Manager | Antea Group**  
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**LEGEND**

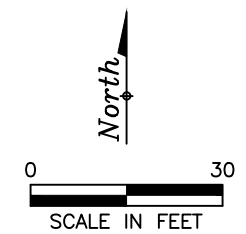
- APPROXIMATE PROPERTY BOUNDARY
- ⊕ MW- MONITORING WELL
- ⊘ MW- DESTROYED MONITORING WELL
- ⊙ SB- SOIL BORING LOCATION (ANTEA GROUP 2013/2014)
- ⊙ HPB- SOIL BORING LOCATION (ANTEA GROUP 2012)
- ⊙ B- BORING LOCATION
- SOIL SAMPLE LOCATION
- [ ] 1995 EXCAVATION AREA
- T TELEPHONE
- SS SEWER
- W WATER
- ST STORM DRAIN
- E ELECTRIC
- G GAS
- SL STREET LIGHT

MW-12		SAMPLE NAME	
Dp	8	SAMPLE DATE	
G	210	DEPTH (FEET)	
D	45.7	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE	
B	5.2	DIESEL RANGE ORGANICS WITH SILICA GEL	
M	<0.0028	BENZENE	
		METHYL TERTIARY BUTYL ETHER	

**NOTES:**  
 NA = NOT ANALYZED  
 < = LESS THAN LABORATORY INDICATED REPORTING LIMITS  
 \* = RESULT DID NOT MATCH LABORATORY STANDARD  
**BOLD** = ABOVE LABORATORY DETECTED REPORTING LIMITS

ALL CONCENTRATIONS IN MILLIGRAMS PER KILOGRAM (mg/kg).

- PROPOSED EXCAVATION AREA
- OPTIONAL EXCAVATION AREA



**FIGURE 3**  
 SITE PLAN WITH HISTORICAL SAMPLE LOCATIONS AND CONCENTRATIONS  
 76 STATION NO. 5191/5043  
 449 HEGENBERGER ROAD  
 OAKLAND, CALIFORNIA

PROJECT NO. I42705191	PREPARED BY EW	DRAWN BY JH	
DATE 6/10/15	REVIEWED BY DD	FILE NAME 5191-SiteS	

SB-2		(7/25/13)				
Dp	1	3	5	11	15	
G	<1.0	<1.0	<1.0	<1.0	<1.0	
D	<b>10</b>	<b>2.1</b>	<b>5.9</b>	<1.0	<1.0	
B	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	
M	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.0059</b>	

SB-7		(7/26/13)		
Dp	6	11	13	
G	<b>21</b>	<b>57</b>	<b>1.8</b>	
D	<b>11</b>	<b>17</b>	<b>1.5</b>	
B	<b>0.019</b>	<b>0.17</b>	<b>0.018</b>	
M	<0.0050	<0.0050	<0.0050	

SB-3		(7/25/13)	
Dp	7.5	15	
G	<b>310</b>	<1.0	
D	<b>330</b>	<1.0	
B	<b>0.13</b>	<0.0050	
M	<0.05	<0.0050	

SB-1		(7/25/13)		
Dp	5.5	11	15	
G	<b>31,000</b>	<b>73</b>	<b>5.0</b>	
D	<b>450</b>	<b>3.1</b>	<b>3.1</b>	
B	<b>85</b>	<b>1.2</b>	<b>0.0085</b>	
M	<2.5	<0.0050	<0.0050	

SB-8		(7/26/13)	
Dp	8	11	
G	<b>3,300</b>	<1.0	
D	<b>900</b>	<1.0	
B	<0.50	<0.0050	
M	<0.50	<0.0050	

MW-14		(5/17/11)		
Dp	7	10	13	
G	<0.23	<b>1,740</b>	<b>1.0</b>	
D	<2.0	<b>45.9*</b>	<2.0	
B	<0.0027	<b>1.8</b>	<0.0027	
M	<0.0027	<0.0026	<0.0027	

SB-9		(7/26/13)	
Dp	6	15	
G	<1.0	<1.0	
D	<b>5.9</b>	<1.0	
B	<0.0050	<0.0050	
M	<0.0050	<0.0050	

SB-4		(7/25/13)				
Dp	1	3	5	8	15	
G	<1.0	<1.0	<1.0	<b>4,600</b>	<1.0	
D	<b>13</b>	<b>2.6</b>	<b>4.7</b>	<b>31</b>	<1.0	
B	<0.0050	<0.0050	<0.0050	<b>0.50</b>	<0.0050	
M	<0.0050	<0.0050	<0.0050	<0.025	<0.0050	

SB-6		(7/26/13)	
Dp	6.5	15	
G	<b>1,900</b>	<1.0	
D	<b>360</b>	<1.0	
B	<b>0.57</b>	<0.0050	
M	<0.25	<0.0050	

SB-10		(7/26/13)	
Dp	8	11	
G	<1.0	<1.0	
D	<b>1.9</b>	<1.0	
B	<0.0050	<0.0050	
M	<0.0050	<0.0050	

SB-5		(7/25/13)	
Dp	6	15	
G	<b>100</b>	<1.0	
D	<b>52</b>	<1.0	
B	<b>0.020</b>	<0.0050	
M	<0.0050	<0.0050	

MW-11		(6/22/10)	
Dp	10	20	
G	<0.18	<0.25	
D	<b>3.2</b>	<b>27.3</b>	
B	<0.0022	<0.0027	
M	<b>0.011</b>	<0.0027	

MW-13		(6/22/10)	
Dp	8	15	
G	<0.21	<0.24	
D	<2.0	<2.0	
B	<0.0026	<0.0029	
M	<b>0.064</b>	<0.0029	

MW-16		(5/17/11)	
Dp	8	13	
G	<0.23	<0.23	
D	<2.0	<2.0	
B	<0.0027	<0.0028	
M	<b>0.15</b>	<0.0028	

B-6		(5/18/11)			
Dp	9	14	21	26	
G	<b>2,490</b>	<b>194</b>	<b>7.2</b>	<b>17</b>	
D	<b>68.6*</b>	<b>250*</b>	<2.0	<b>2.9*</b>	
B	<b>26.4</b>	<b>3.6</b>	<b>0.67</b>	<b>0.83</b>	
M	<0.0031	<0.0025	<b>0.036</b>	<b>0.086</b>	

MW-12		(6/22/10)		
Dp	8	10	20	
G	<b>210</b>	<b>422</b>	<0.24	
D	<b>45.7</b>	<b>73.6</b>	<2.0	
B	<b>5.2</b>	<b>4</b>	<b>0.019</b>	
M	<0.0028	<0.0029	<0.0028	

B-5		(12/17/09)			
Dp	8	17.5	26.5	32	
G	<b>1,060</b>	<b>136</b>	<b>1,570</b>	<4.8	
D	<b>269</b>	<b>26.9</b>	<b>346</b>	<5.9	
B	<b>6.2</b>	<b>0.55</b>	<b>16.2</b>	<b>0.007</b>	
M	<0.0029	<0.003	<b>0.02</b>	<0.0029	

MW-12A		(6/23/10)		
Dp	26	32	34	
G	<b>6,840</b>	<b>943</b>	<0.22	
D	<b>2,210</b>	<b>267</b>	<1.9	
B	<b>80.9</b>	<b>4.9</b>	<0.0027	
M	<0.0027	<b>0.045</b>	<0.0027	