



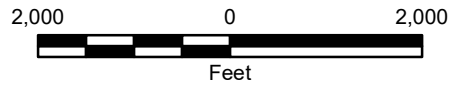
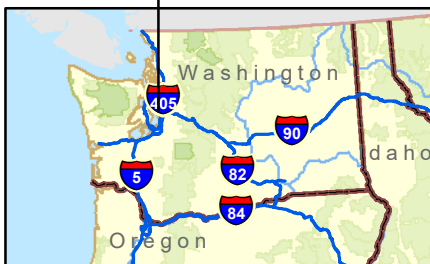
Map Revised: June 28, 2011/fbannister

Path: <Sea:010275015101\GIS\027501501\VicinityMap.mxd

Office: SEA



**7100 1st Avenue South Property**

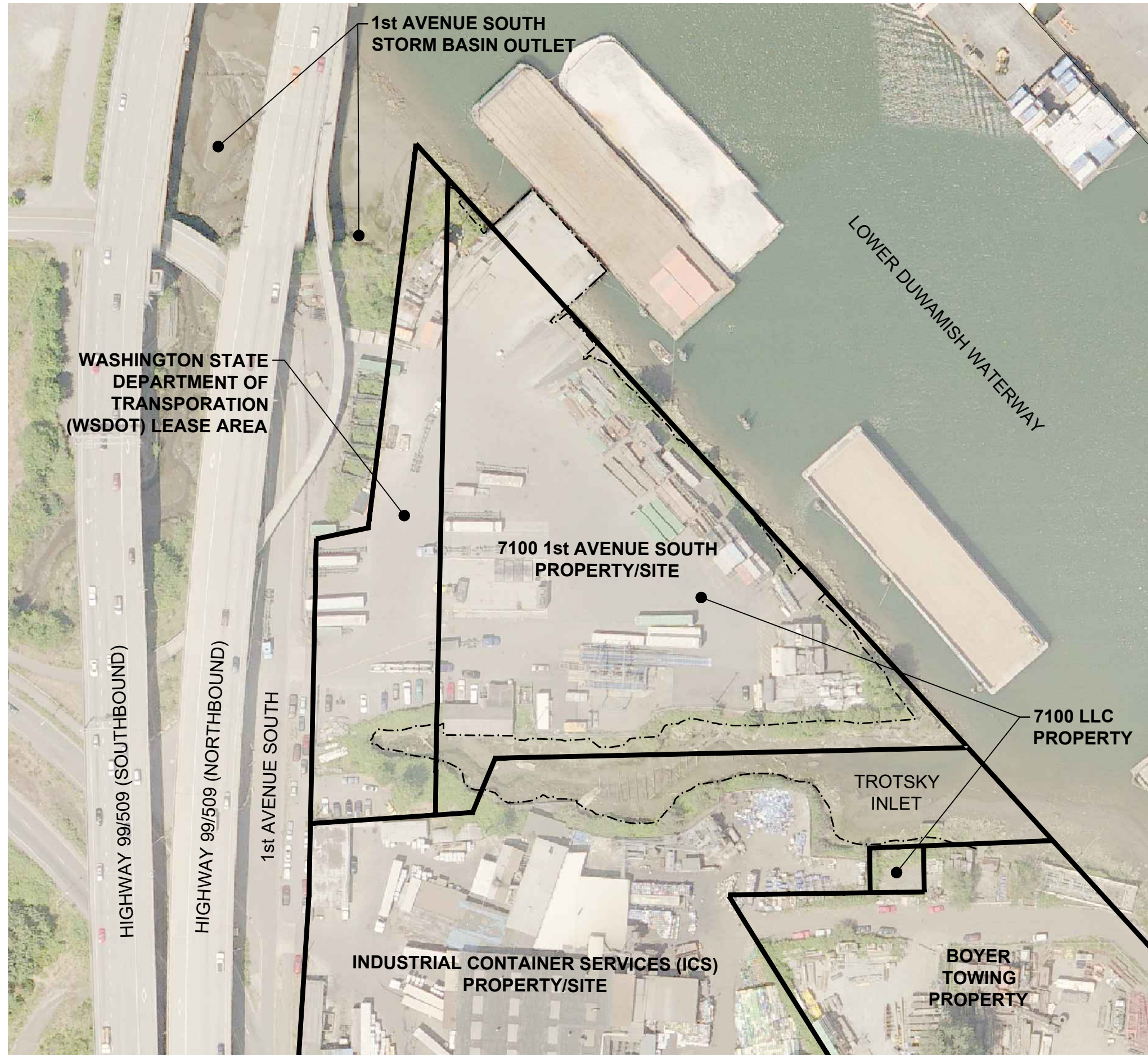


**Notes:**


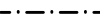
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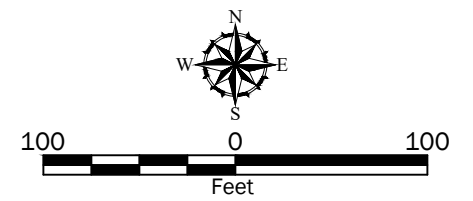
Data Sources: ESRI Data & Maps  
 Projection: NAD 1983 UTM Zone 10N

<b>Vicinity Map</b>	
7100 1st Avenue South Site Seattle, Washington	
	<b>Figure 1</b>



**Legend**

-  Parcel Boundary
-  Lower Duwamish Waterway Mean Higher High Water Level (MHHW)




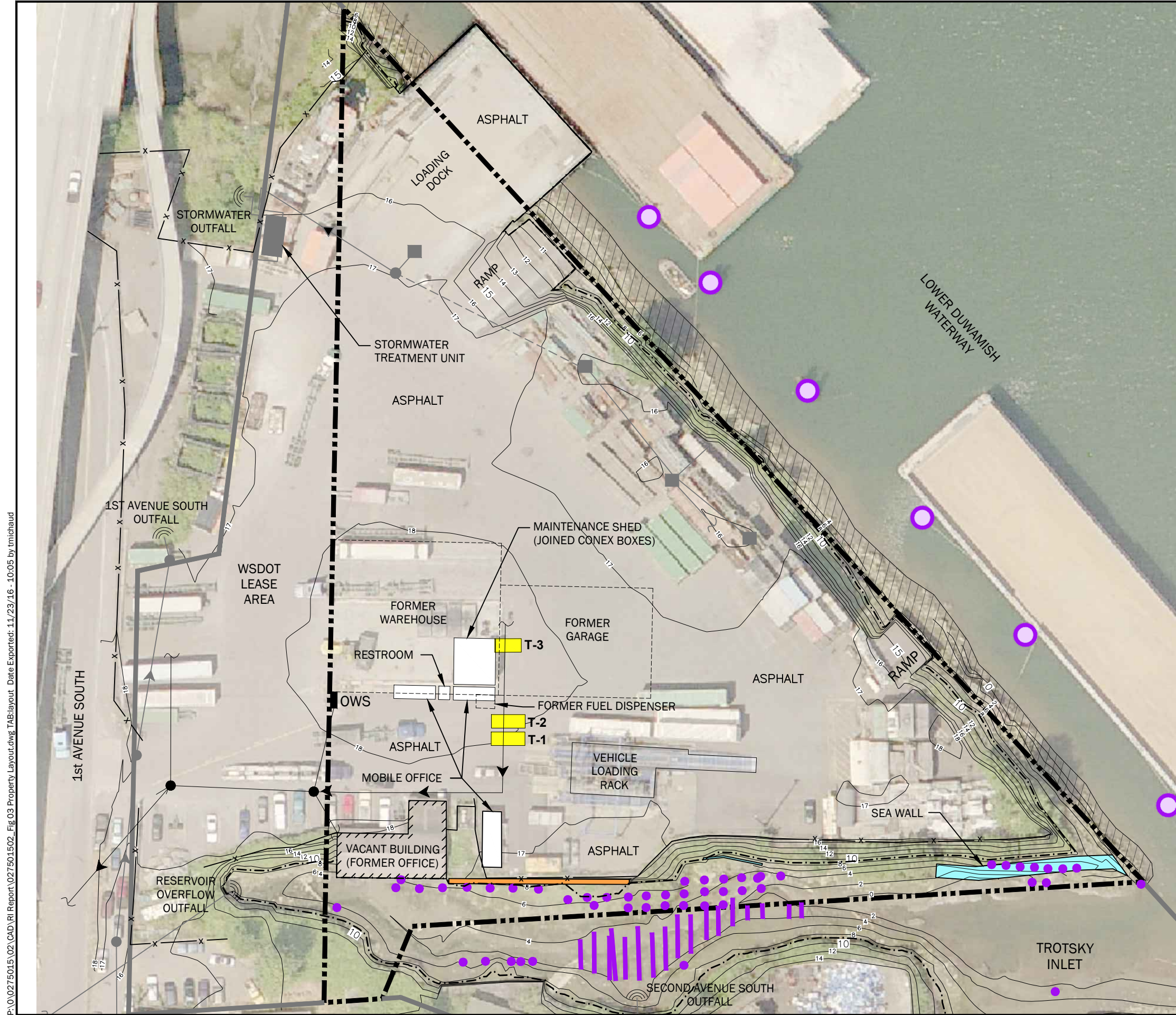
100 0 100  
Feet

**Notes:**

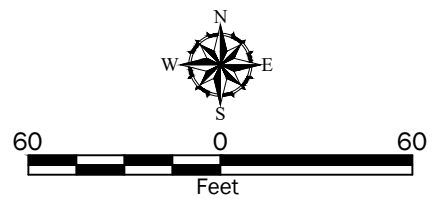
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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Site Plan</b>	
7100 1st Avenue South Site Seattle, Washington	
	<b>Figure 2</b>



- Legend**
- 7100 1st Avenue South Property Boundary
  - Parcel Boundary
  - Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  - Former Underground Storage Tank (Removed)
  - Storm Drainage (Flows to Sanitary Sewer)
  - Storm Drainage (Sewer Flows to LDW)
  - Building
  - Elevation Contours (Feet)
  - Fence
  - Ecology Block Wall
  - Sea Wall
  - Pile (Group)
  - Pile (Single)
  - Wood Timber
  - Rip Rap
  - LDW Lower Duwamish Waterway
  - OWS Oil Water Separator
  - WSDOT Washington State Department of Transportation



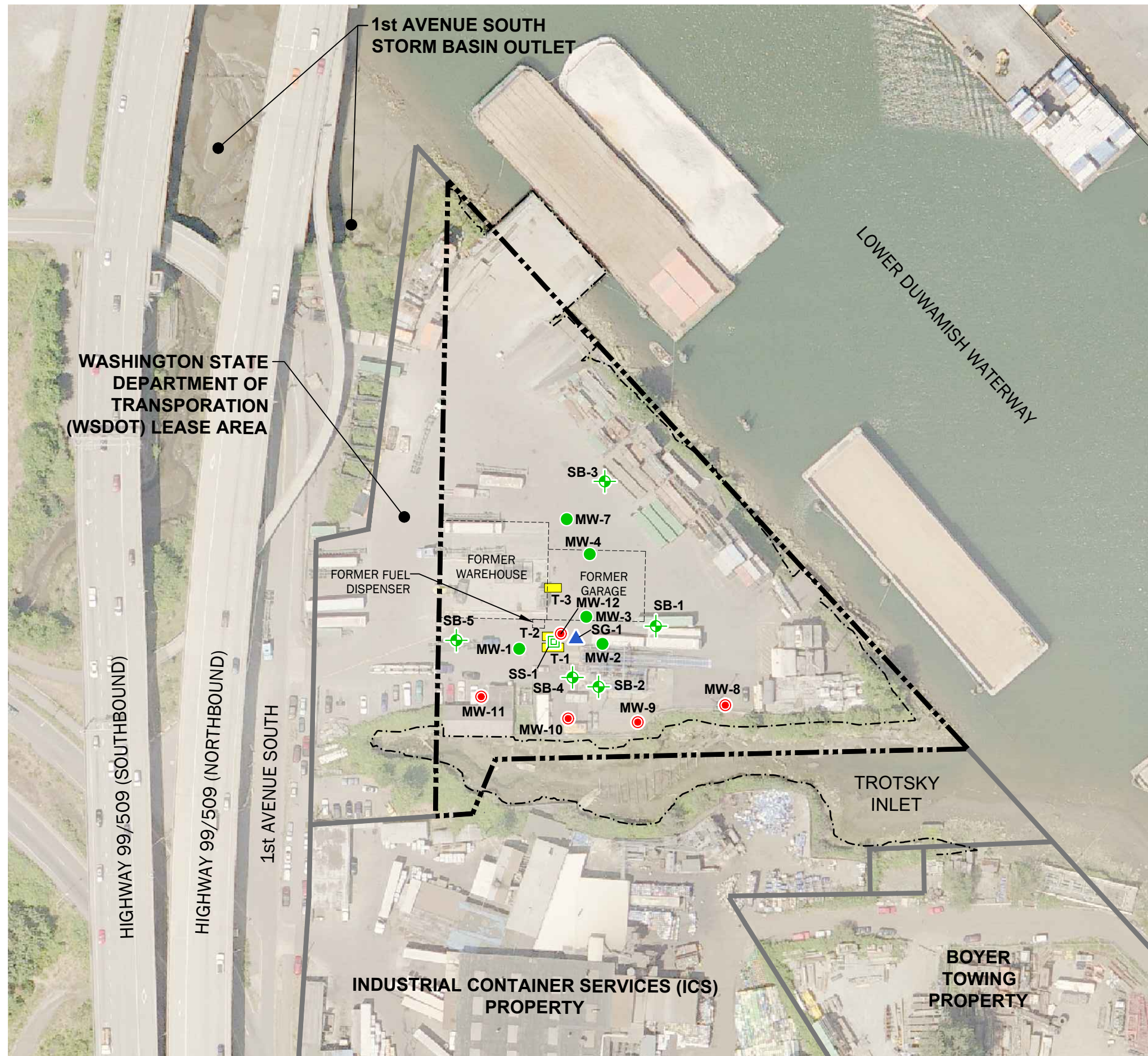
- Notes:**
- The locations of all features shown are approximate.
  - Location of drain and conveyance features are unconfirmed and will be evaluated during RI.
  - This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.














Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

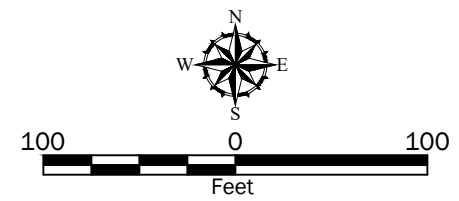
<b>Property Layout</b>	
7100 1st Avenue South Site Seattle, Washington	
	<b>Figure 3</b>

P:\0\0275015\02\CAD\RI Report\027501502\_Fig 03 Property Layout.dwg TAB layout Date Exported: 11/23/16 - 10:05 by tmichaud

\\geoengineers.com\WAN\Projects\0.0275015.02\CAD\RI Report\027501502\_Fig.04-Historical Soil Sampling Locations.dwg TAB:Fig.2 Date Exported: 12/26/16 - 19:02 by tmichaud




- Legend**
-  Parcel Boundary
  -  7100 1st Avenue South Property Boundary
  -  Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  -  Former Underground Storage Tank (Removed)
  -  Monitoring Well (SAIC, 2009)
  -  Push Probe (DOF, 2008)
  -  Monitoring Well (SAIC, 2007)
  -  Soil Boring (Dames & Moore, 1991b)
  -  Monitoring Well (Dames & Moore, 1991b)
  -  Soil Sample Location (Dames & Moore, 1991a)
  -  Soil Vapor Extraction Well (Dames & Moore, 1991b)
  -  Composite Soil Sample Area (Hart Crowser, 1986)
  -  Monitoring Well (Hart Crowser, 1986)



**Notes:**

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







Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg \*Topographic Survey by David Evans and Associates dated August 28, 2013.

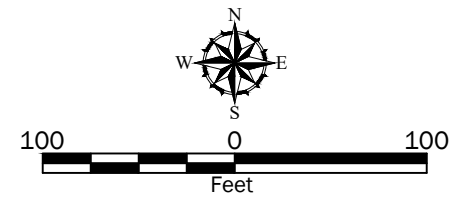
<b>Historical Soil Sampling Locations</b>	
7100 1st Avenue South Seattle, Washington	
	<b>Figure 4</b>

\\geoengineers.com\WAN\Projects\0275015\02\CAD\RI Report\027501502\_Fig 05 Historical Groundwater and Seep Sampling Locations.dwg TAB:Fig 2 Date Exported: 08/16/19 - 9:20 by mwwoods



**Legend**


-  Parcel Boundary
-  7100 1st Avenue South Property Boundary
-  Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
-  Former Underground Storage Tank (Removed)
-  Monitoring Well (SAIC, 2009)
-  Push Probe (DOF, 2008)
-  Embayment Seep (DOF, 2004-2008)
-  Monitoring Well (SAIC, 2007)
-  Monitoring Well (Dames & Moore, 1991b)
-  Monitoring Well (Hart Crowser, 1986)

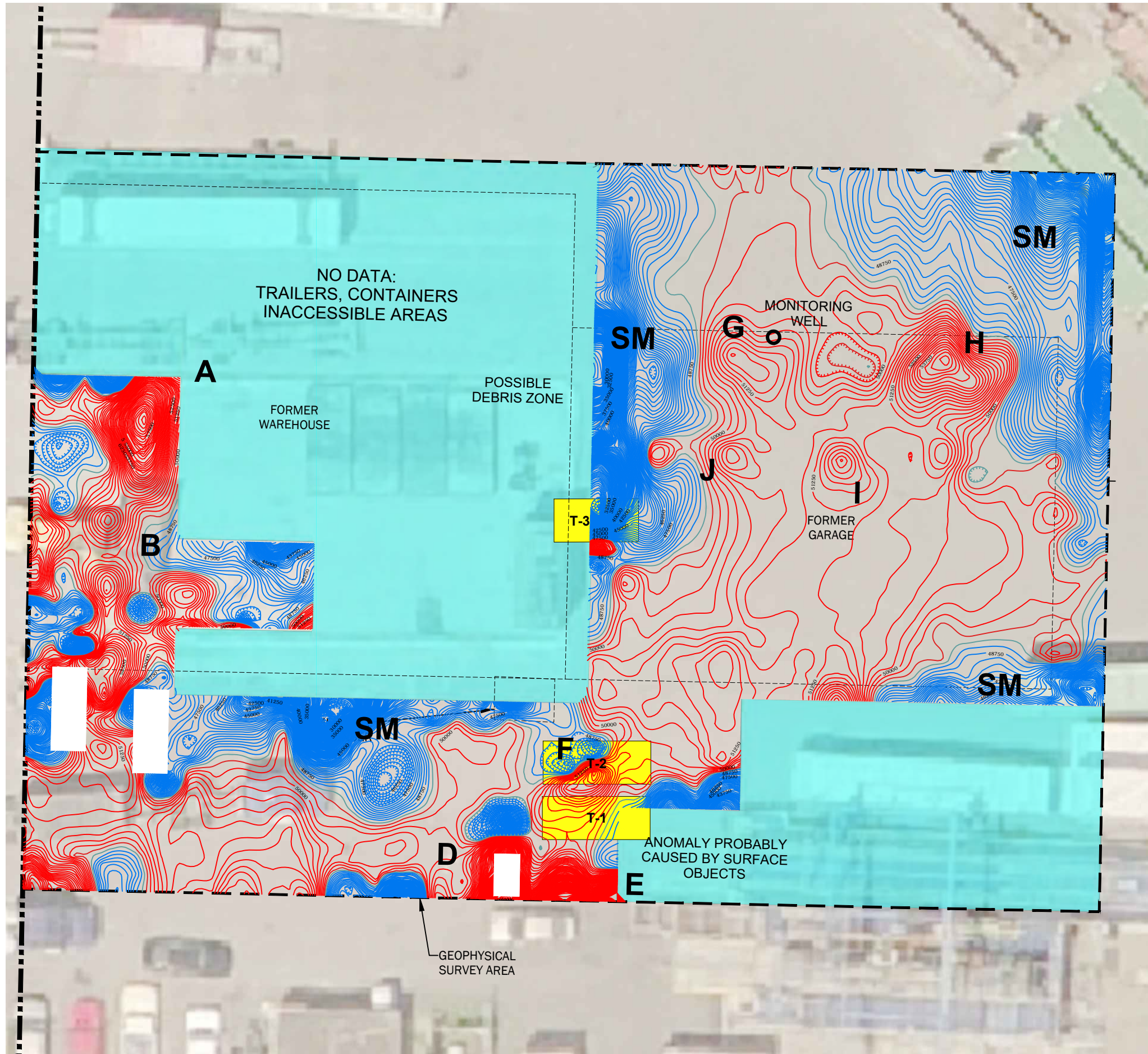


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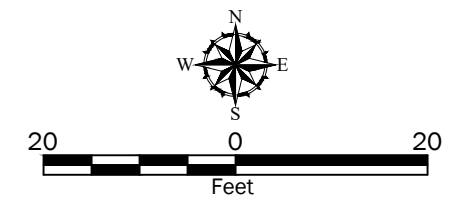
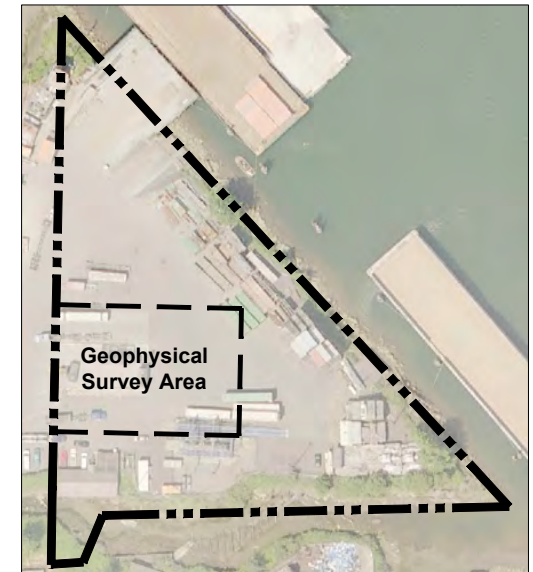
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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Historical Groundwater and Seep Sampling Locations</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 5



- Legend**
- 7100 1st Avenue South Property Boundary
  - Geophysical Survey Area
  - Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  - No Survey Data Available - Area Inaccessible
  - Former Underground Storage Tank (Removed)
  - A - J** Magnetic Anomalies
  - SM** Areas Influenced by Tall, Metal Objects on the Ground Surface (e.g. Shipping Containers, Trucks)

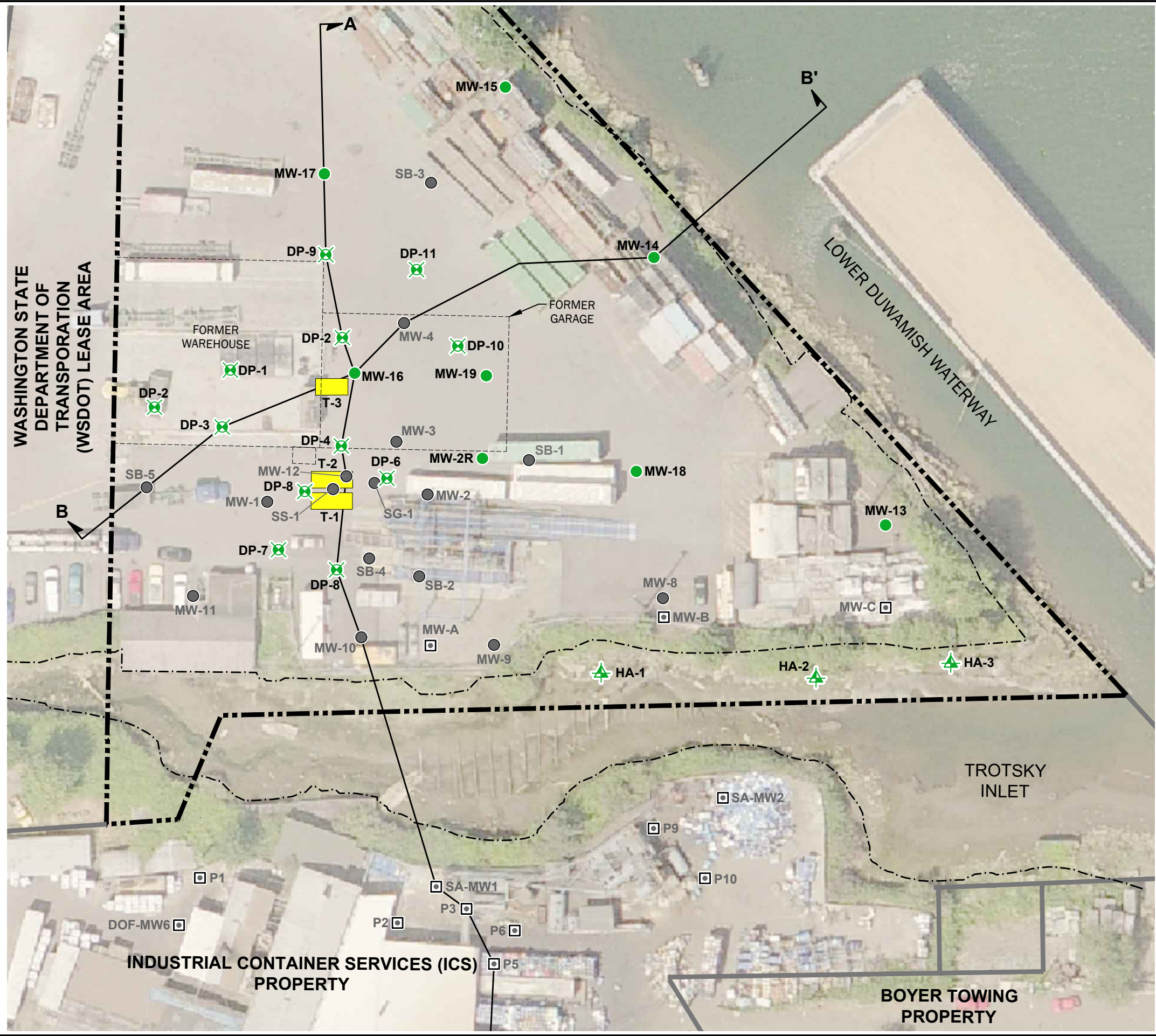


- Notes:**
- The locations of all features shown are approximate.
  - This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

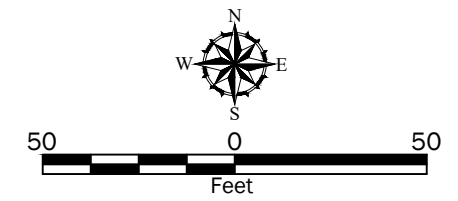
<b>Remedial Investigation Geophysical Survey</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 6

\\geoenr\geoenr\Projects\0275015\02\CAD\RI Report\027501502\_Fig 07 RI Soil Sampling Locations.dwg TAB:Fig 7 Date Exported: 08/16/19 - 9:36 by mwwoods



**Legend**

- Parcel Boundary
- 7100 1st Avenue South Property Boundary
- Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
- Former Underground Storage Tank (Removed)
- HSA Soil Exploration
- Hand Auger Soil Exploration
- Direct Push Soil Exploration
- Historical Soil Sample
- Soil Sample Locations Sampled by Others
- Cross-Section Location



**Notes:**

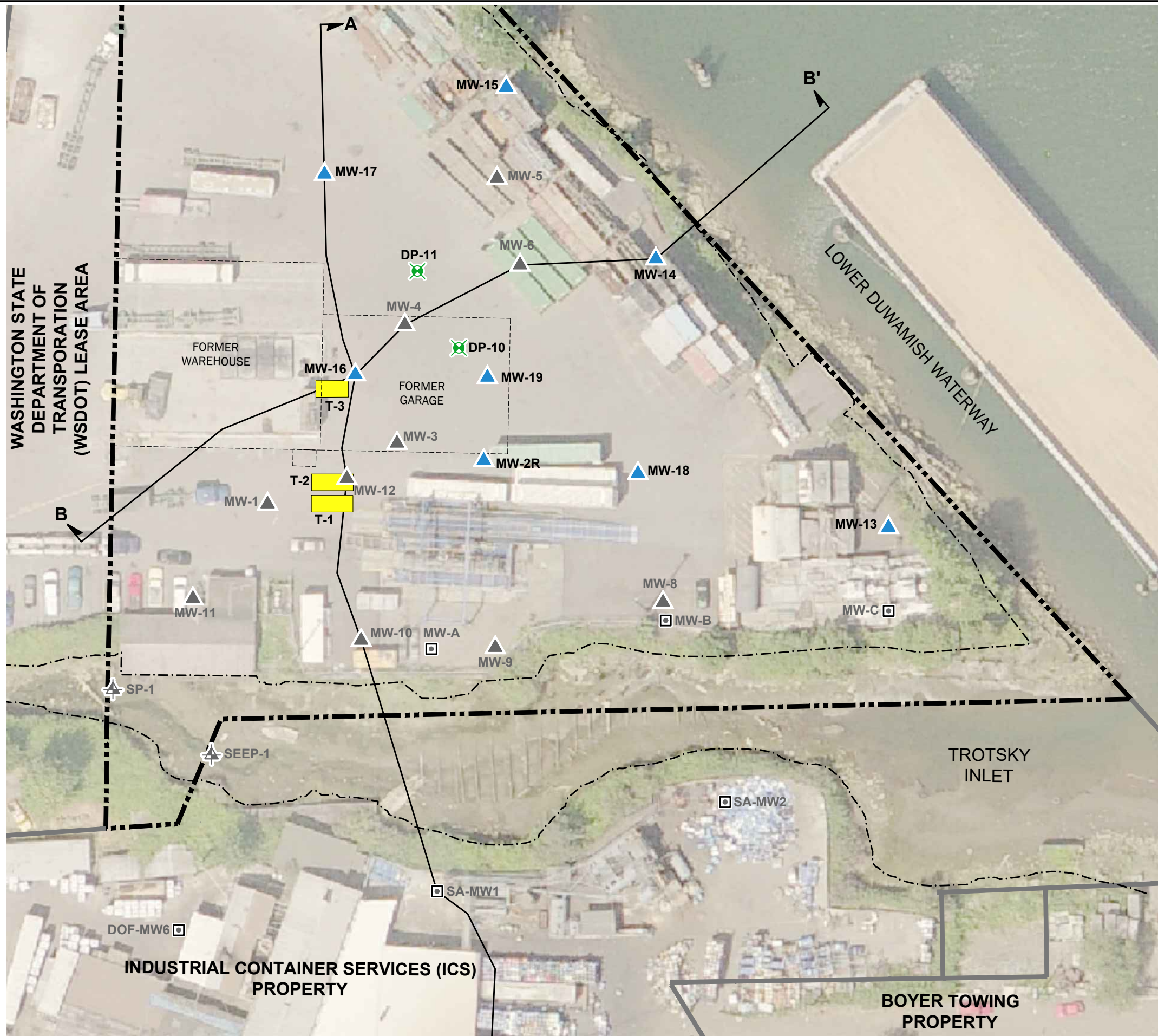
- The locations of all features shown are approximate.
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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Remedial Investigation Soil Sampling Locations</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 7

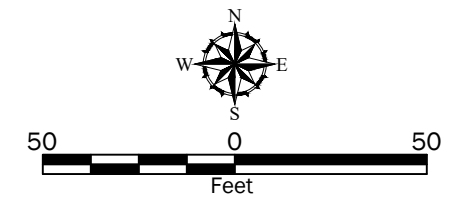


\\geoengineers.com\WAN\Projects\0275015\02\_CAD\RI Report\027501502\_Fig 08 RI GW Sampling Locations.dwg TAB:Fig 2 Date Exported: 08/16/19 - 9:38 by mwwoods



**Legend**

- Parcel Boundary
- 7100 1st Avenue South Property Boundary
- Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
- Former Underground Storage Tank (Removed)
- New Monitoring Well
- Existing Monitoring Well
- Seep Location
- Direct-Push Grab Groundwater Sample
- ICS Site Monitoring Well, Sampled by Others
- Cross-Section Location

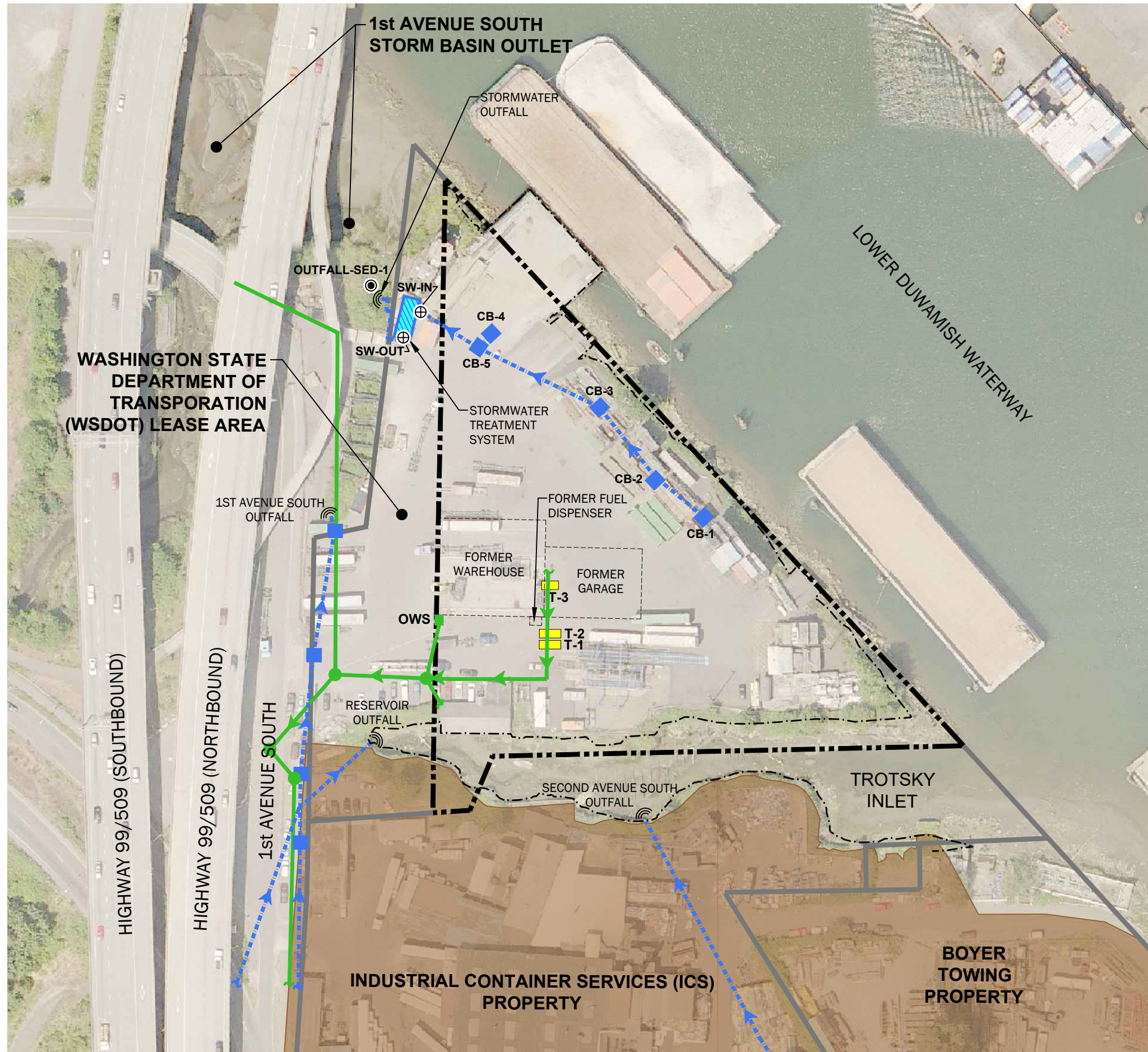


**Notes:**

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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Remedial Investigation Groundwater Sampling Locations</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 8



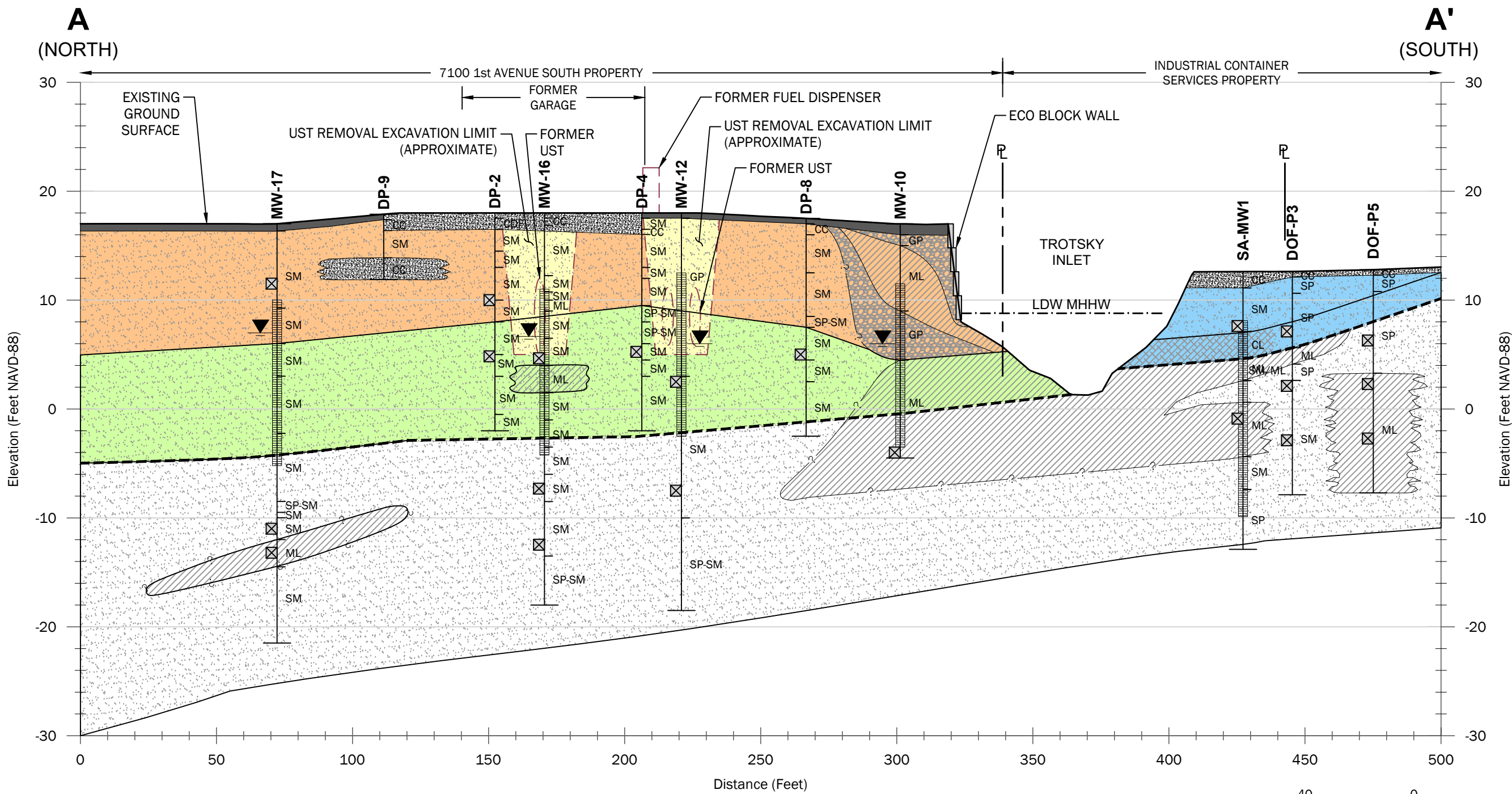
- Legend**
- Parcel Boundary
  - 7100 1st Avenue South Property Boundary
  - Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  - Former Underground Storage Tank (Removed)
  - Sediment Sample Location (GeoEngineers, 2013)
  - Stormwater System Sample Location
  - Sewer Line (Flows to Metro Sewer)
  - Stormwater Line (Flows to LDW)
  - Stormwater Outfall
  - Stormwater Treatment System
  - Catch Basin
  - 2nd Avenue South Storm Drain Basin
  - LDW Lower Duwamish Waterway
  - OVS Oil Water Separator
  - WSDOT Washington State Department of Transportation

**Notes:**

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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Remedial Investigation Stormwater/Sewer Layout</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 9

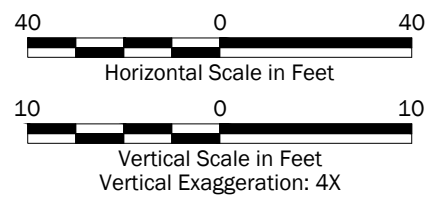


\\geogengineers.com\WAN\Projects\0\_0275015\02\_CAD\RI Report\027501502\_Fig 10-11 Cross Sections.dwg TABAA Date Exported: 08/16/19 - 10:17 by mwwoods

- Notes:**
- See Figure 7 for line of cross section.
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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

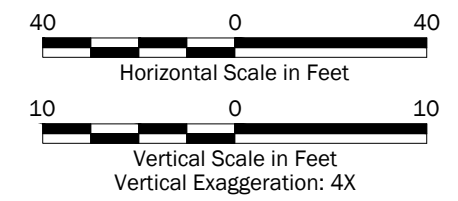
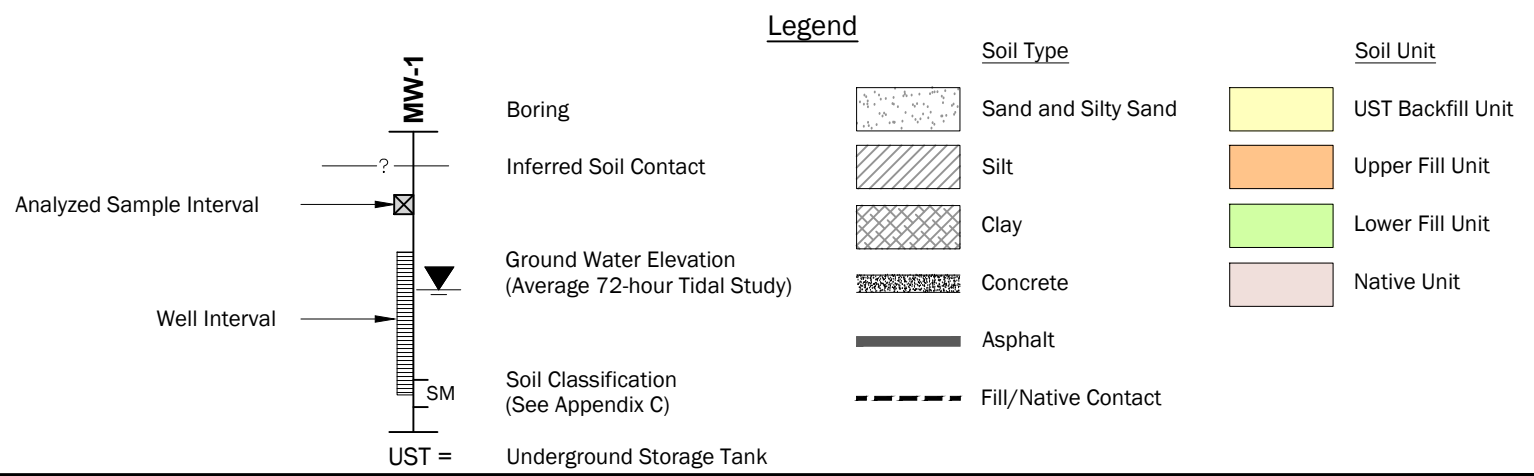
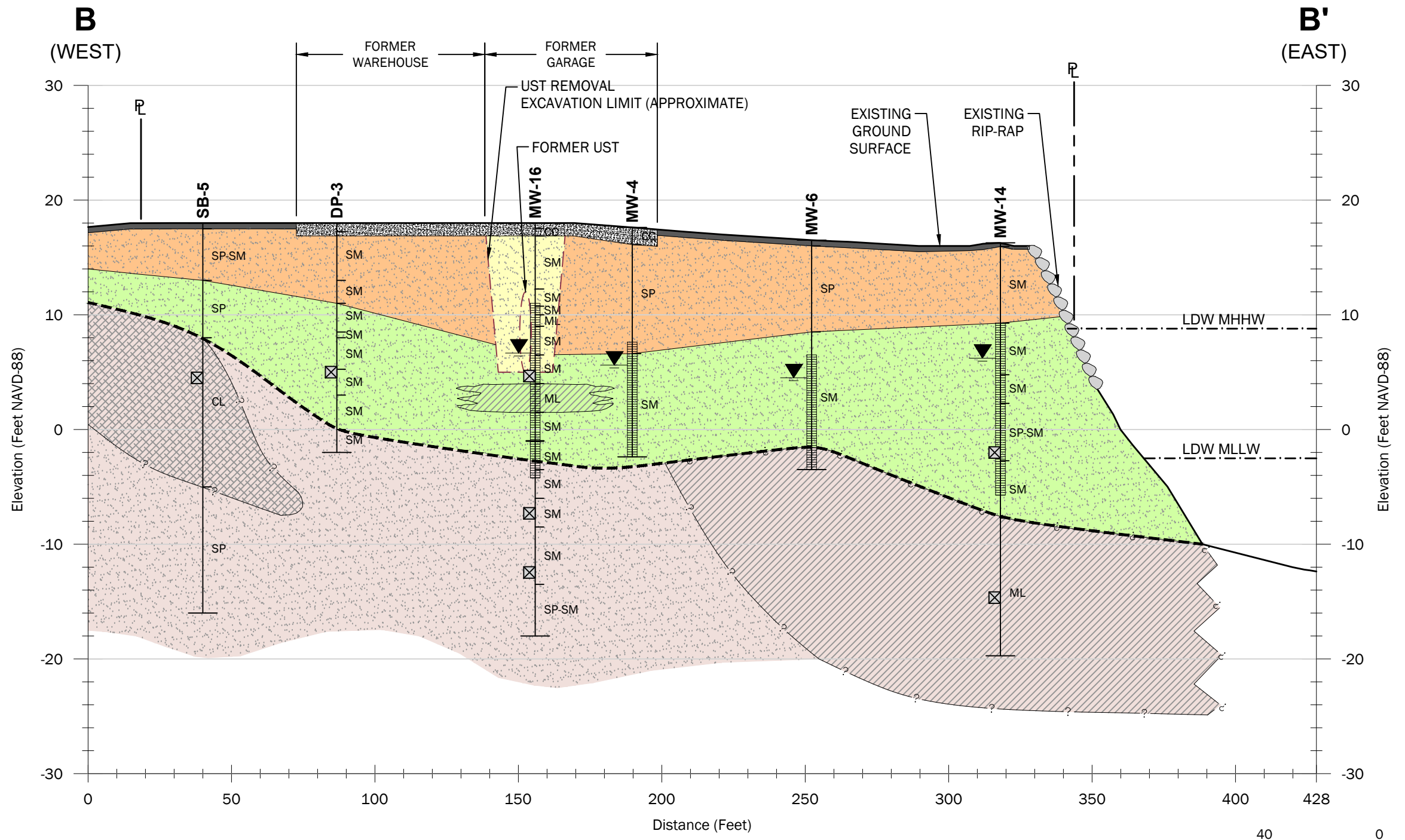
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<p>Boring</p> <p>Inferred Soil Contact</p> <p>Ground Water Elevation (Average 72-hour Tidal Study)</p> <p>Soil Classification (See Appendix C)</p> <p>UST = Underground Storage Tank</p>	<p>Sand and Silty Sand</p> <p>Silt</p> <p>Clay</p> <p>Concrete</p> <p>Asphalt</p> <p>Fill/Native Contact</p> <p>UST Backfill Unit</p> <p>Upper Fill Unit</p> <p>Lower Fill Unit</p> <p>Native Unit</p> <p>Undetermined Off-Site Fill Unit</p>		



**Cross-Section A-A'**

7100 1st Avenue South Site  
Seattle, Washington

**Figure 10**



**Cross-Section B-B'**

7100 1st Avenue South Site  
Seattle, Washington

**GEOENGINEERS**

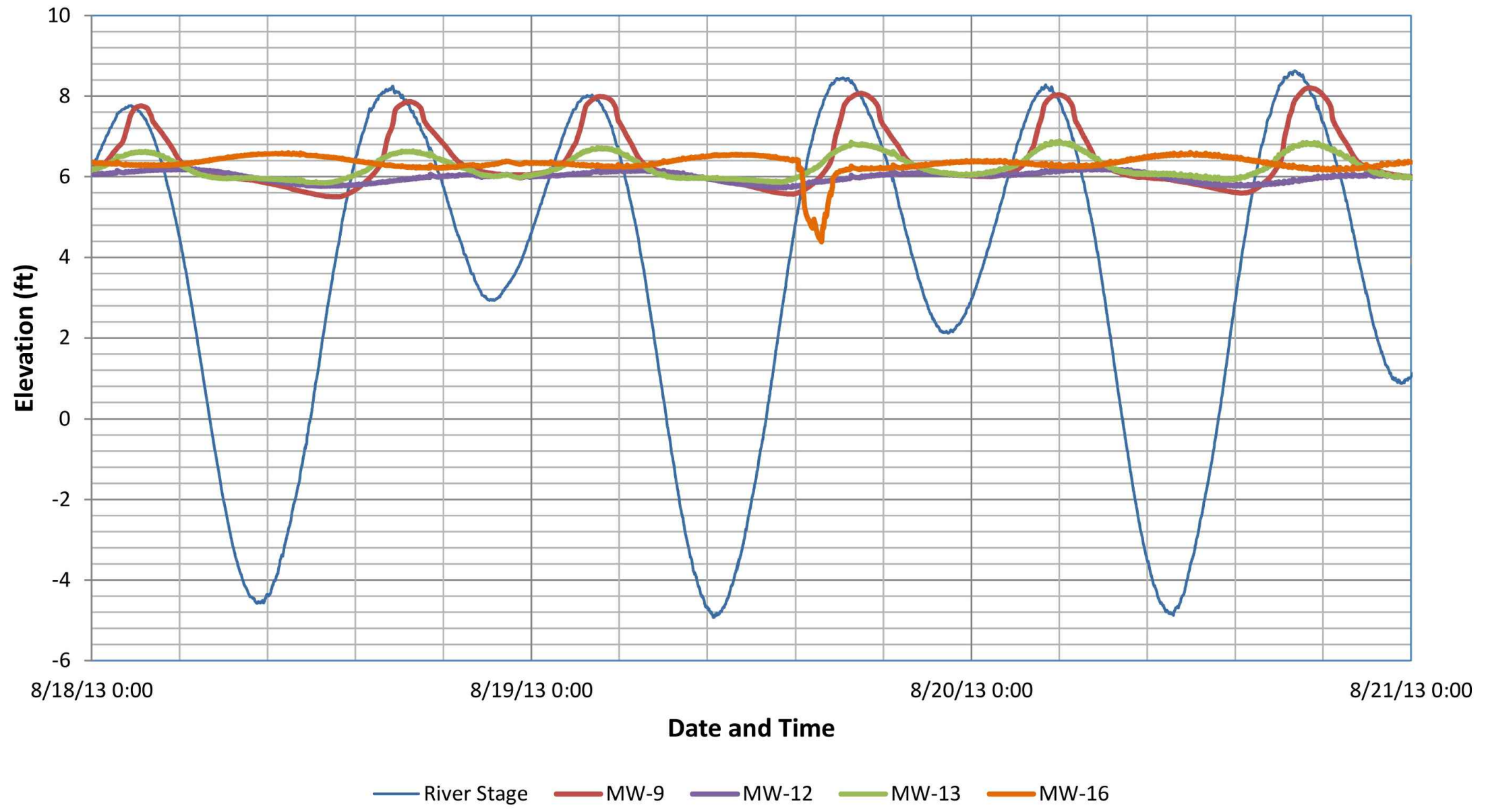
**Figure 11**

**Notes:**

- See Figure 7 for line of cross section.
- The locations of all features shown are approximate.
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Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeo0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

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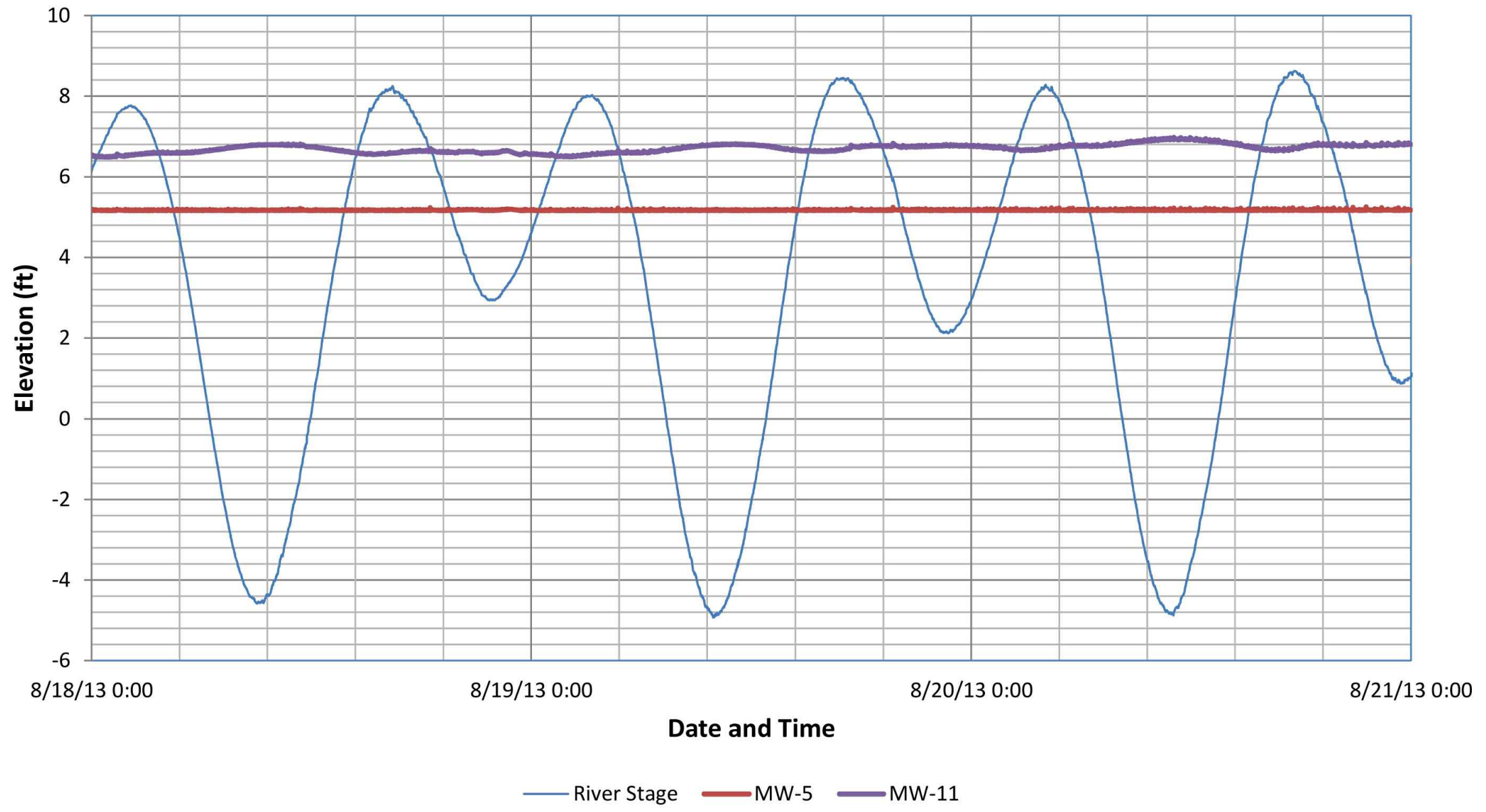


P:\0275015\02 CAD\RI Report\027501502\_Fig 12-13 Tidal Influence.dwg TAB:12 Date Exported: 11/23/16 - 14:07 by tmichaud


**Notes:**  
 1. Groundwater elevations and River stage were recorded during the 72-hour tidal study between August 18 and 21, 2014.  
 2. Elevation referenced to North American Vertical Datum 1988 (NAVD-88).  
 3. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

<b>Groundwater Elevations and River Stage - Tidal Influenced Monitoring Wells</b>	
7100 1st Avenue South Site Seattle, Washington	
	Figure 12

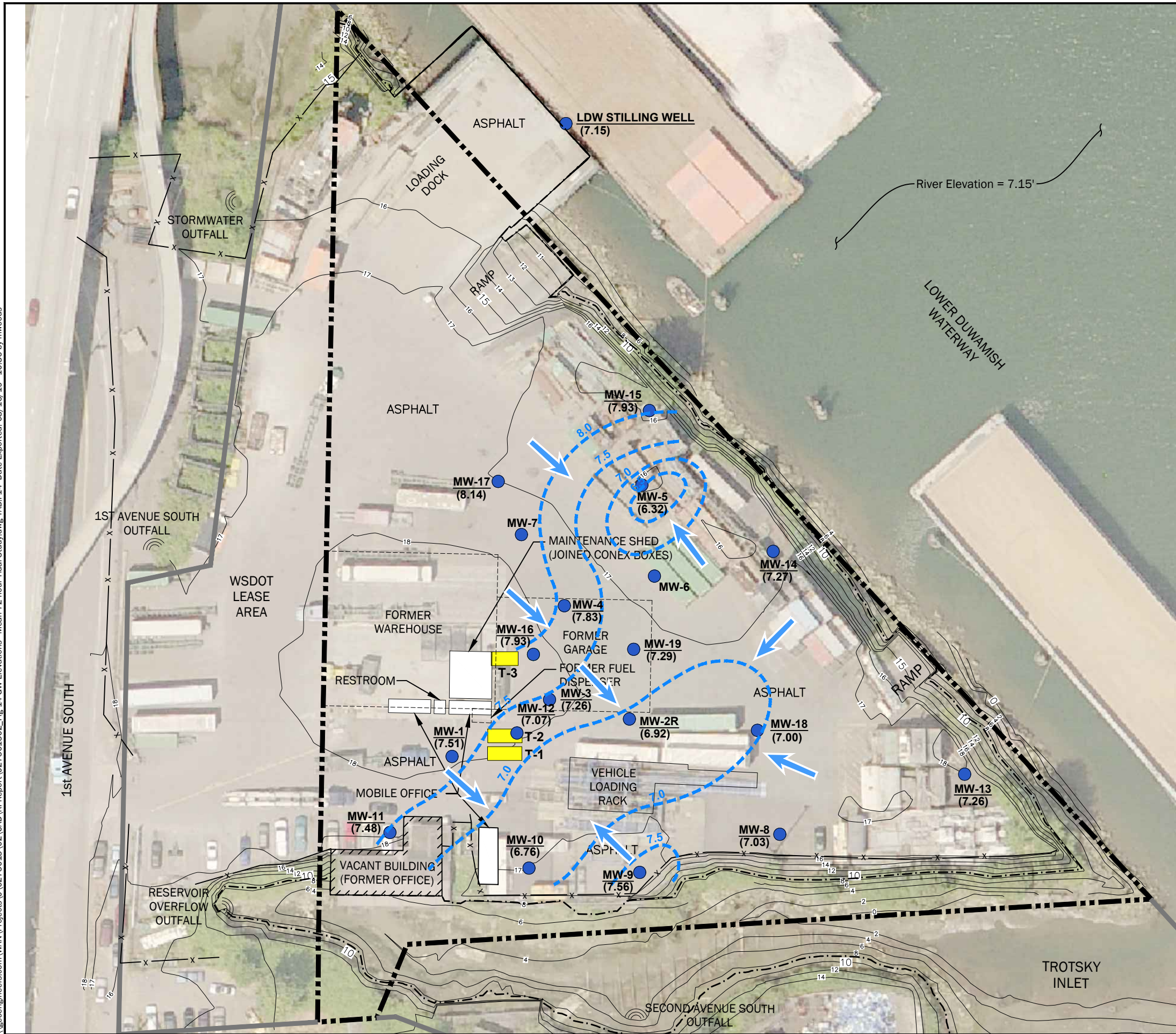
P:\0275015\02 CAD\RI Report\027501502\_Fig 12-13 Tidal Influence.dwg TAB:13 Date Exported: 11/23/16 - 14:09 by tmichaud



- Notes:**
1. Groundwater elevations and River stage were recorded during the 72-hour tidal study between August 18 and 21, 2014.
  2. Elevation referenced to North American Vertical Datum 1988 (NAVD-88).
  3. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

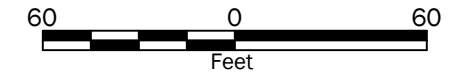
<b>Groundwater Elevations and River Stage - Non-Tidally Influenced Monitoring Wells</b>	
7100 1st Avenue South Site Seattle, Washington	
<b>GEOENGINEERS</b> 	<b>Figure 13</b>

\\geoengineers.com\WANI\Projects\0275015\02\CAD\RI Report\027501502\_Fig 14 GW Elevations - Mean 72-hour Tidal Study.dwg TAB:F14 Date Exported: 08/16/19 - 10:36 by mwoods



**Legend**

- 7100 1st Avenue South Property Boundary
- Parcel Boundary
- Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
- Former Underground Storage Tank (Removed)
- Building
- Elevation Contours (Feet)
- Fence
- Groundwater Monitoring Well / Stilling Well Groundwater / Surface Water Elevation (feet NAVD-88)
- Groundwater Contour, Dashed Where Inferred
- Estimated Groundwater Flow Direction
- Lower Duwamish Waterway
- Washington State Department of Transportation
- North American Vertical Datum



**Notes:**

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- Results from 72-hour tidal study performed on August 19-21, 2013.
- 4. Mean groundwater and river elevations for the 72-hour tidal study were calculated using the Serfes (1991) method.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

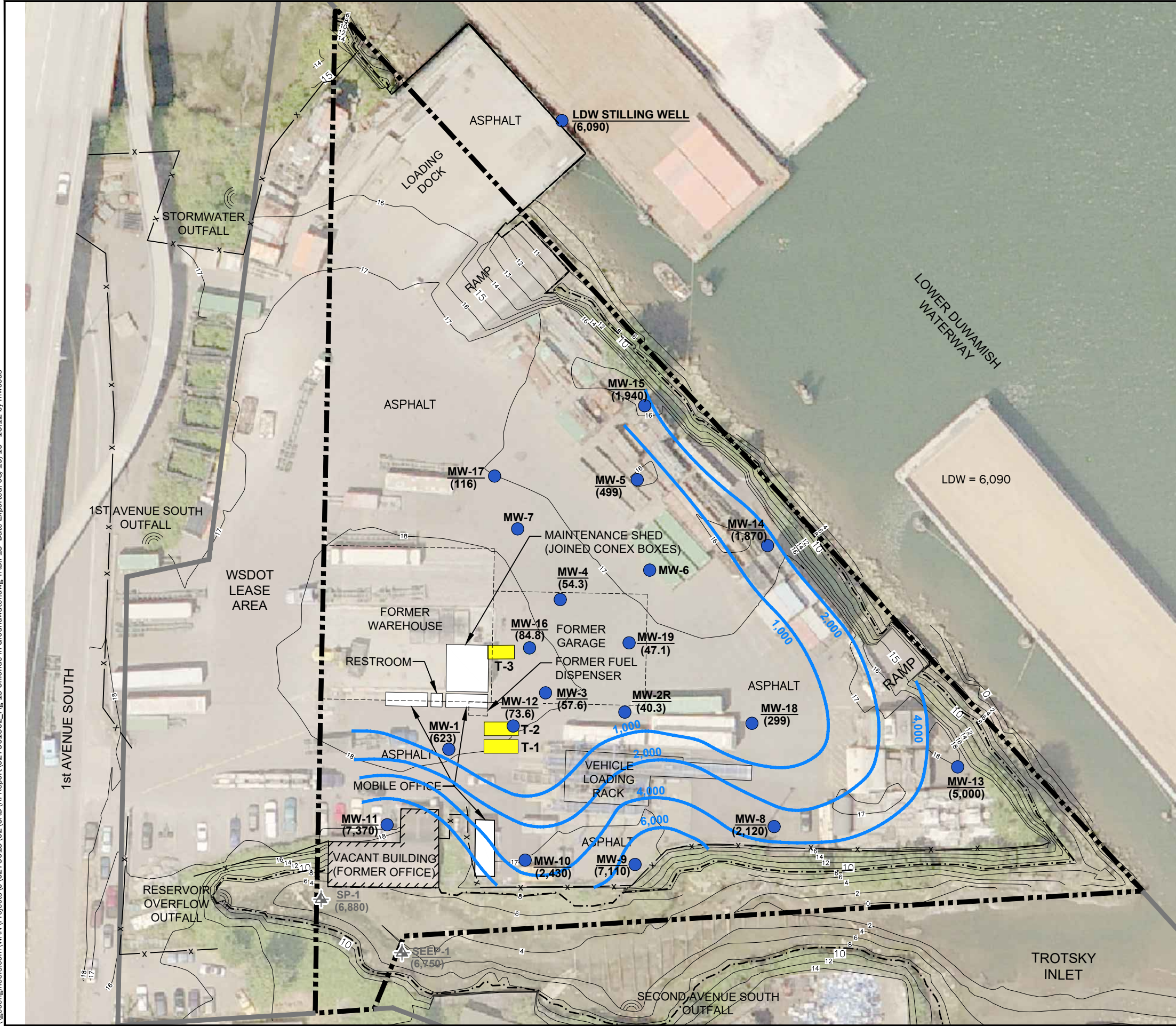
**Average Groundwater Elevations**

7100 1st Avenue South Site  
Seattle, Washington



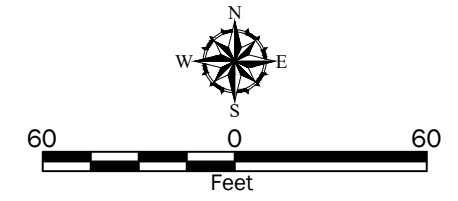
**Figure 14**

\\geotechnical.com\WANI\Projects\0275015\02\CAD\RI Report\027501502\_Fig 15 Chloride in Groundwater.dwg TABF15 Date Exported: 08/19/19 - 16:12 by mwoods



**Legend**

- 7100 1st Avenue South Property Boundary
- Parcel Boundary
- Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
- Former Underground Storage Tank (Removed)
- Building
- Elevation Contours (Feet)
- Fence
- Seep Location
- MW-12 ● Groundwater Monitoring Well / Stilling Well  
(6.14) July 2014 Chloride Concentration (mg/L)
- 5.2  Chloride Concentration Contour, Dashed Where Inferred
- LDW Lower Duwamish Waterway
- WSDOT Washington State Department of Transportation
- NAVD-88 North American Vertical Datum



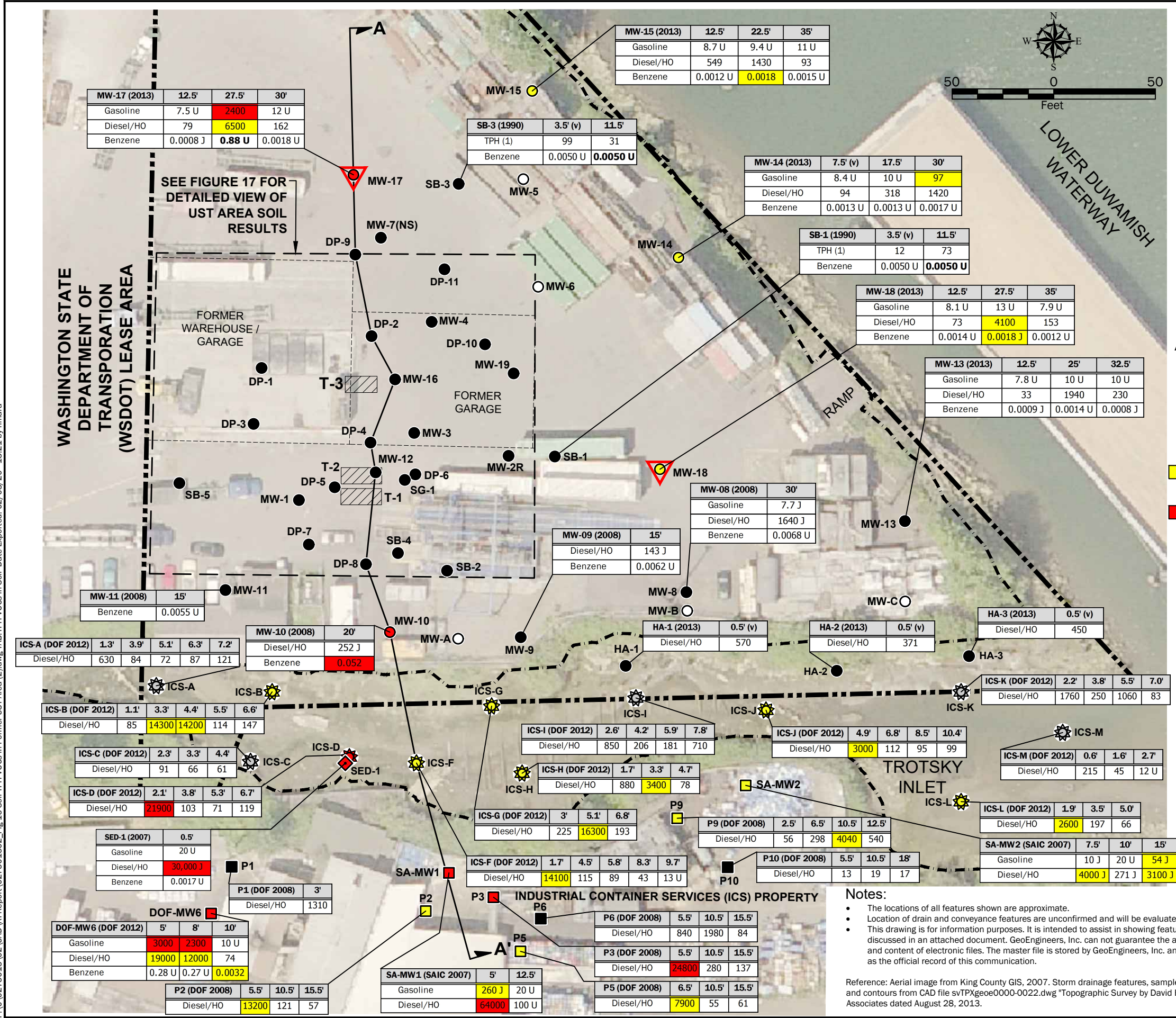
**Notes:**

- The locations of all features shown are approximate.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
- Snapshot groundwater elevations taken from 72-hour tidal study data; groundwater elevations were recorded simultaneously by transducer on August 20, 2013 at 04:57 following a high tide of 8.29 feet, as recorded in the Duwamish River at 4:03.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

<b>Chloride in Groundwater</b>	
7100 1st Avenue South Site Seattle, Washington	
	<b>Figure 15</b>





**Legend**

- 7100 1st Avenue South Property Boundary
- Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
- Former Underground Storage Tank (Removed)
- Soil Sample Location (Yellow or Red indicate exceedance of IHS at location)
- Soil Sample Location Not Sampled
- Explorations Completed by Others for ICS Site RI
- Upland Exploration (Soil Boring)
- Sediment Core Location (DOF 2012)
- Surface Sediment Sample Location (SAIC 2007)
- 7100 Site location where other VOCs exceed respective SLs

Note: ICS RI Samples were not screened against 7100 Site RI SLs for comparison of concentrations only. Applicable SLs for ICS samples will be developed in a separate RI for the ICS site.

Cross-Section Location

**Data Box Explanation:**

Sample Location	Sample Depth (feet bgs)
Chemical Constituent	Result (mg/Kg)

- Yellow shading indicates Gasoline, Diesel/HO, or Benzene was detected at a concentration between 1x and 10x the respective SL
- Red shading indicates Gasoline, Diesel, or Benzene was detected at a concentration greater than 10x the respective SL

Bold results indicate an undetected result with a reporting limit above the respective SL

Gasoline-range hydrocarbons SL = 30 mg/kg

Diesel/HO-range hydrocarbons SL = 2,000 mg/kg

Benzene SL = 0.0016 mg/kg (saturated zone), 0.030 mg/kg (vadose zone)

Diesel/HO = Sum of Diesel and Heavy Oil-Range Petroleum Hydrocarbons

SL = Screening Level

(1) = sample analyzed by older Total Petroleum Hydrocarbons Method (does not report individual ranges)

U = analyte not detected above the reported practical quantitation limit

J = estimated analyte concentration

bgs = below ground surface

mg/Kg = milligrams per kilograms

**Petroleum Hydrocarbons and VOCs in Soil**

7100 1st Avenue South Site  
Seattle, Washington



Figure 16

- Notes:**
- The locations of all features shown are approximate.
  - Location of drain and conveyance features are unconfirmed and will be evaluated during RI.
  - This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

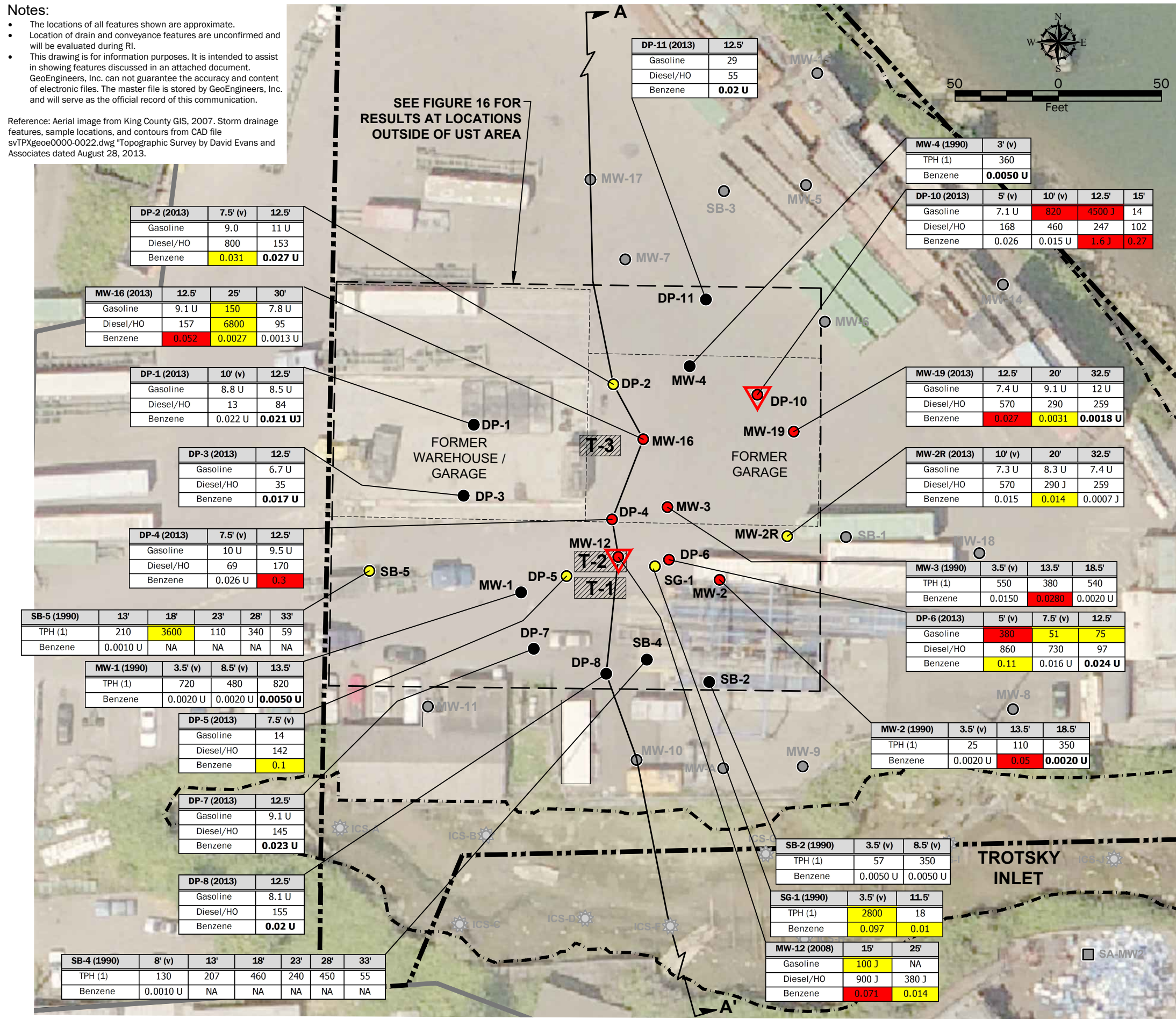
Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

**Notes:**

- The locations of all features shown are approximate.
- Location of drain and conveyance features are unconfirmed and will be evaluated during RI.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg Topographic Survey by David Evans and Associates dated August 28, 2013.

**SEE FIGURE 16 FOR RESULTS AT LOCATIONS OUTSIDE OF UST AREA**



**Legend**

- 7100 1st Avenue South Property Boundary
  - Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  - Former Underground Storage Tank (Removed)
  - Soil Sample Location (Yellow or Red indicate exceedance of IHS at location)
  - Soil Sample Location Not Sampled
  - Explorations Completed by Others for ICS Site RI**
  - Upland Exploration (Soil Boring)
  - Sediment Core Location (DOF 2012)
  - 7100 Site location where other VOCs exceed respective SLs
- Note: ICS RI Samples were not screened against 7100 Site RI SLs for comparison of concentrations only. Applicable SLs for ICS samples will be developed in a separate RI for the ICS site.
- Cross-Section Location

**Data Box Explanation:**

Sample Location	Sample Depth (feet bgs)
Chemical Constituent	Result (mg/Kg)

- Yellow shading indicates Gasoline, Diesel + LO, or Benzene was detected at a concentration between 1x and 10x the respective SL
- Red shading indicates Gasoline, Diesel, or Benzene was detected at a concentration greater than 10x the respective SL
- Bold results indicate an undetected result with a reporting limit above the respective SL
- Gasoline-range hydrocarbons SL = 30 mg/kg
- Diesel/HO-range hydrocarbons SL = 2,000 mg/kg
- Benzene SL = 0.0016 mg/kg (saturated zone), 0.030 mg/kg (vadose zone)
- Diesel/HP = Sum of Diesel and heavy oil range petroleum hydrocarbons
- SL = Screening Level
- (1) = sample analyzed by older Total Petroleum Hydrocarbons Method (does not report individual ranges)
- U = analyte not detected above the reported practical quantitation limit
- J = estimated analyte concentration
- bgs = below ground surface
- mg/Kg = milligrams per kilograms

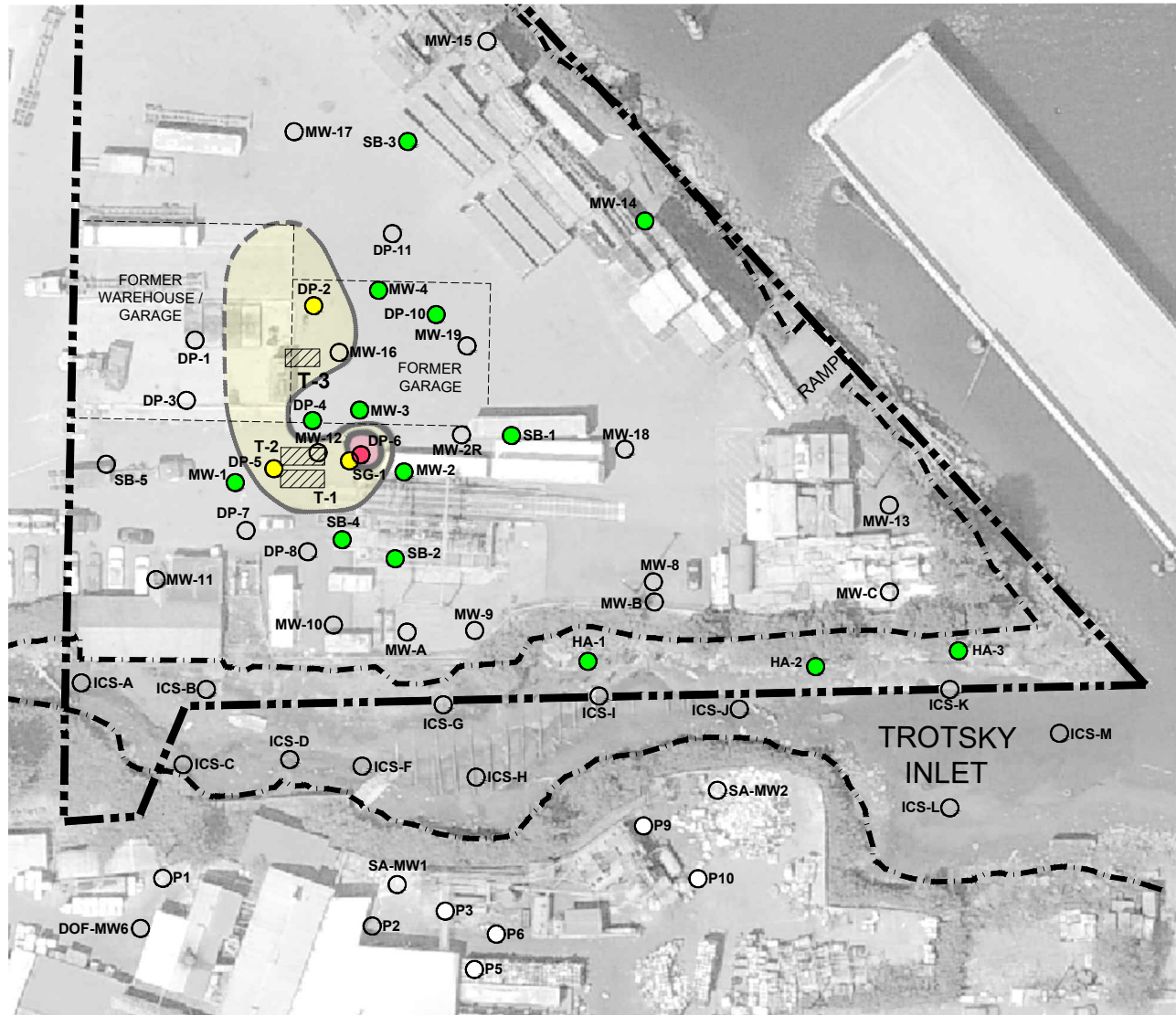
**Petroleum Hydrocarbons and VOCs in Soil - Former UST Area**

7100 1st Avenue South Site  
Seattle, Washington

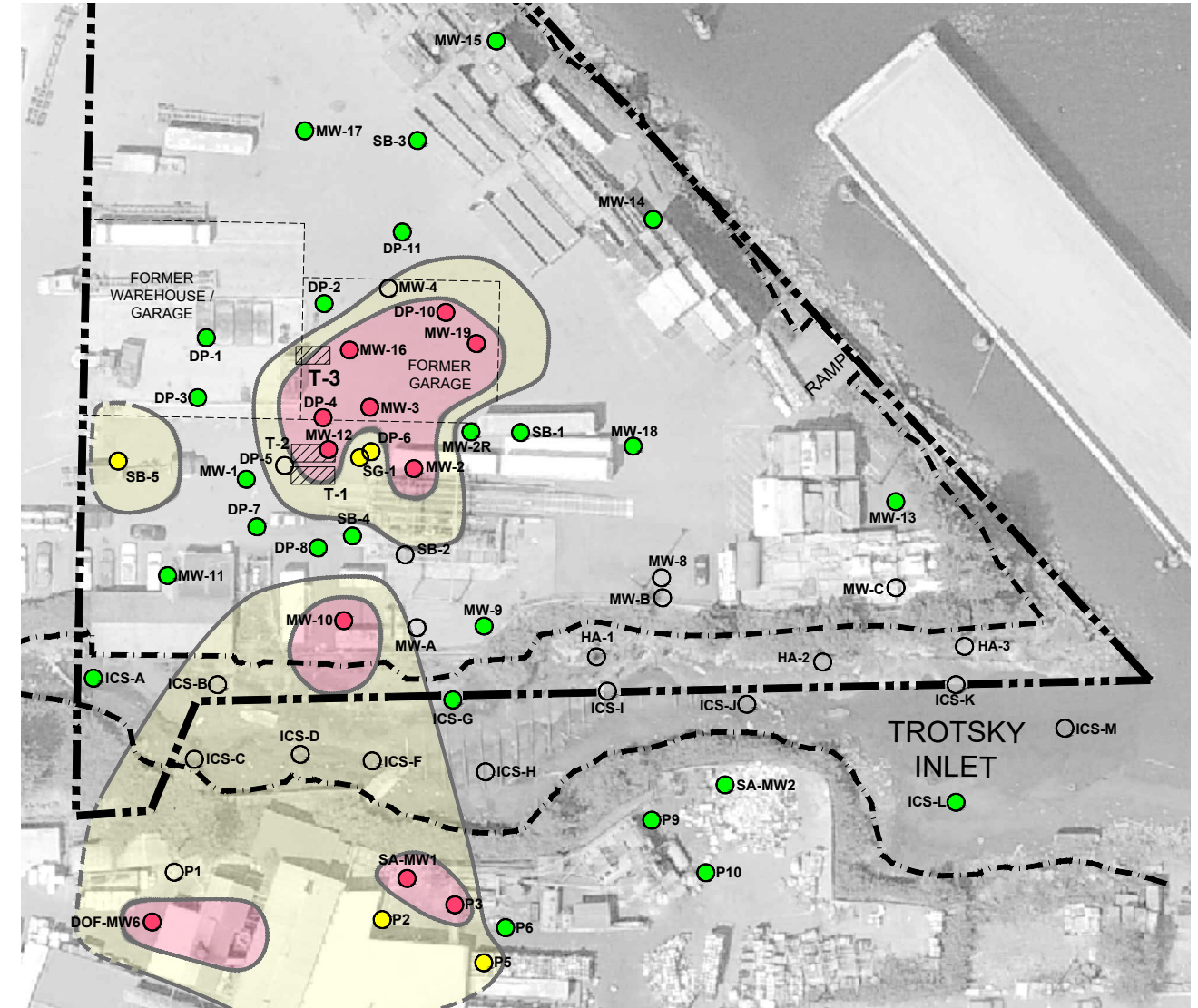
**Figure 17**

P:\0\_0275015\02\_CAD\RI Report\027501502\_Fig.17 Soil TPH VOCs in Former UST Area (1).dwg TAB:TPH VOCs in Soil Date Exported: 02/03/20 - 13:21 by hmara

\\geoenr\geoenr\Projects\0275015\02\CAD\RI Report\027501502\_Fig 18-23-27-30 Soil Unit Conditions.dwg:TPH VOCs in Soil - 18 Date Exported: 08/16/19 - 14:17 by mwwoods











**Soil Analytical Results between approximately +17 and +7 Feet NAVD-88  
(Approximately equivalent to 0'-10' below 7100 Site ground surface elevation)**



**Soil Analytical Results between approximately +7 and -3 Feet NAVD-88  
(Approximately equivalent to 10'-20' below 7100 Site ground surface elevation)**

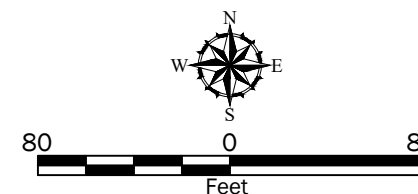
**Legend**

-  7100 1st Avenue South Property Boundary
  -  Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  -  Former Underground Storage Tank (Removed)
  -  Soil Sample Location (Not Analyzed for Soil IHS)
  -  No IHSs were detected above respective SL
  -  At least one IHS was detected at a concentration between 1x and 10x the respective SL
  -  At least one IHS was detected at a concentration greater than 10x the respective SL
  -  Concentration Contours, dashed where inferred
- SL = Screening Level  
IHS = Indicator Hazardous Substance

**Notes:**

- Off-site (ICS Site) samples were included within appropriate depth intervals relative to 7100 Site ground surface based on sample elevation data provided in the 2016 Draft RI Report for the ICS Site (DOF 2016).
- The locations of all features shown are approximate.
- Location of drain and conveyance features are unconfirmed and will be evaluated during RI.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.



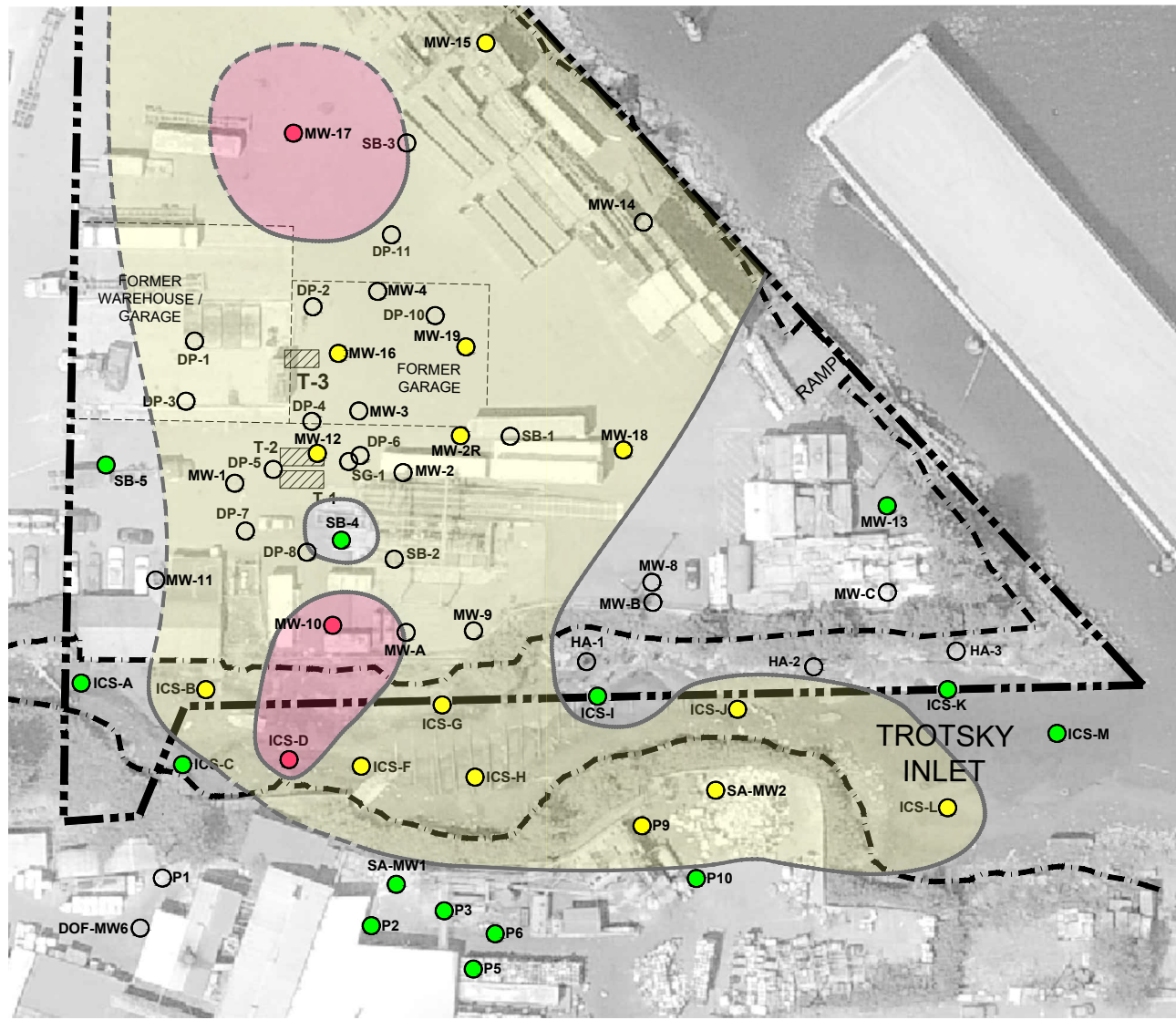
**Petroleum Hydrocarbons and VOCs in Soil  
by Elevation (-3 to +17 Feet NAVD-88)**

7100 1st Avenue South Site  
Seattle, Washington

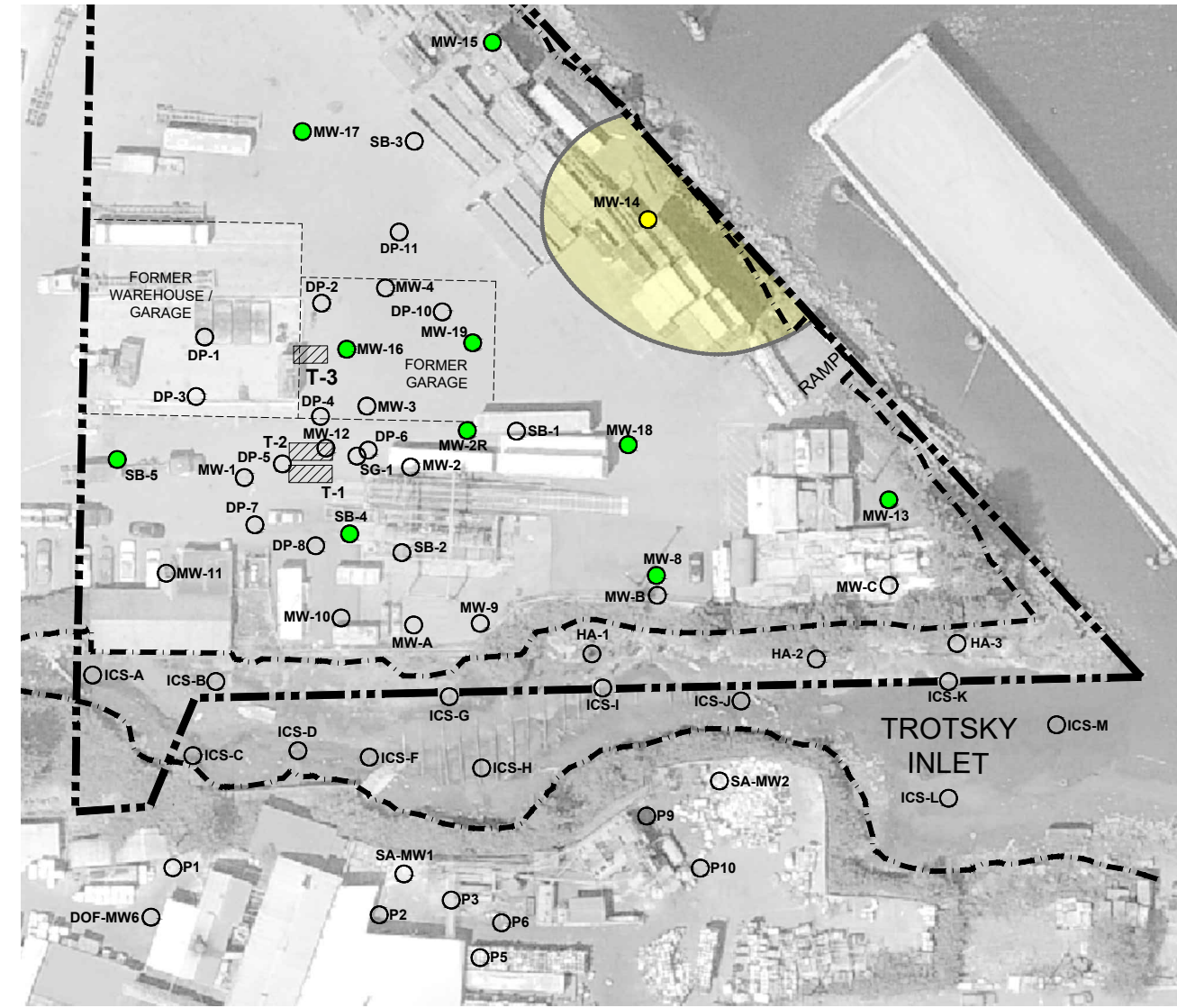


**Figure 18**

\\geoengineers.com\WAM\Projects\0275015\02\CAD\RI Report\027501502\_Fig\_18-23-27-30 Soil Unit Conditions.dwg:TAB:TPH VOCs in Soil - 19 Date Exported: 08/16/19 - 14:18 by mwoods



**Soil Analytical Results between approximately -3 and -13 Feet NAVD-88  
(Approximately equivalent to 20'-30' below 7100 Site ground surface elevation)**



**Soil Analytical Results below -13 Feet NAVD-88  
(Approximately equivalent to greater than 30' below 7100 Site ground surface elevation)**

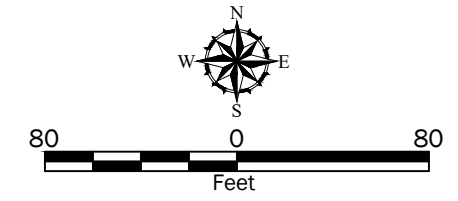
**Legend**

- 7100 1st Avenue South Property Boundary
  - Lower Duwamish Waterway Mean Higher High Water Level (MHHW)
  - Former Underground Storage Tank (Removed)
  - Soil Sample Location (Not Analyzed for Soil IHS)
  - No IHSs were detected above respective SL
  - At least one IHS was detected at a concentration between 1x and 10x the respective SL
  - At least one IHS was detected at a concentration greater than 10x the respective SL
  - Concentration Contours, dashed where inferred
- SL = Screening Level  
IHS = Indicator Hazardous Substance

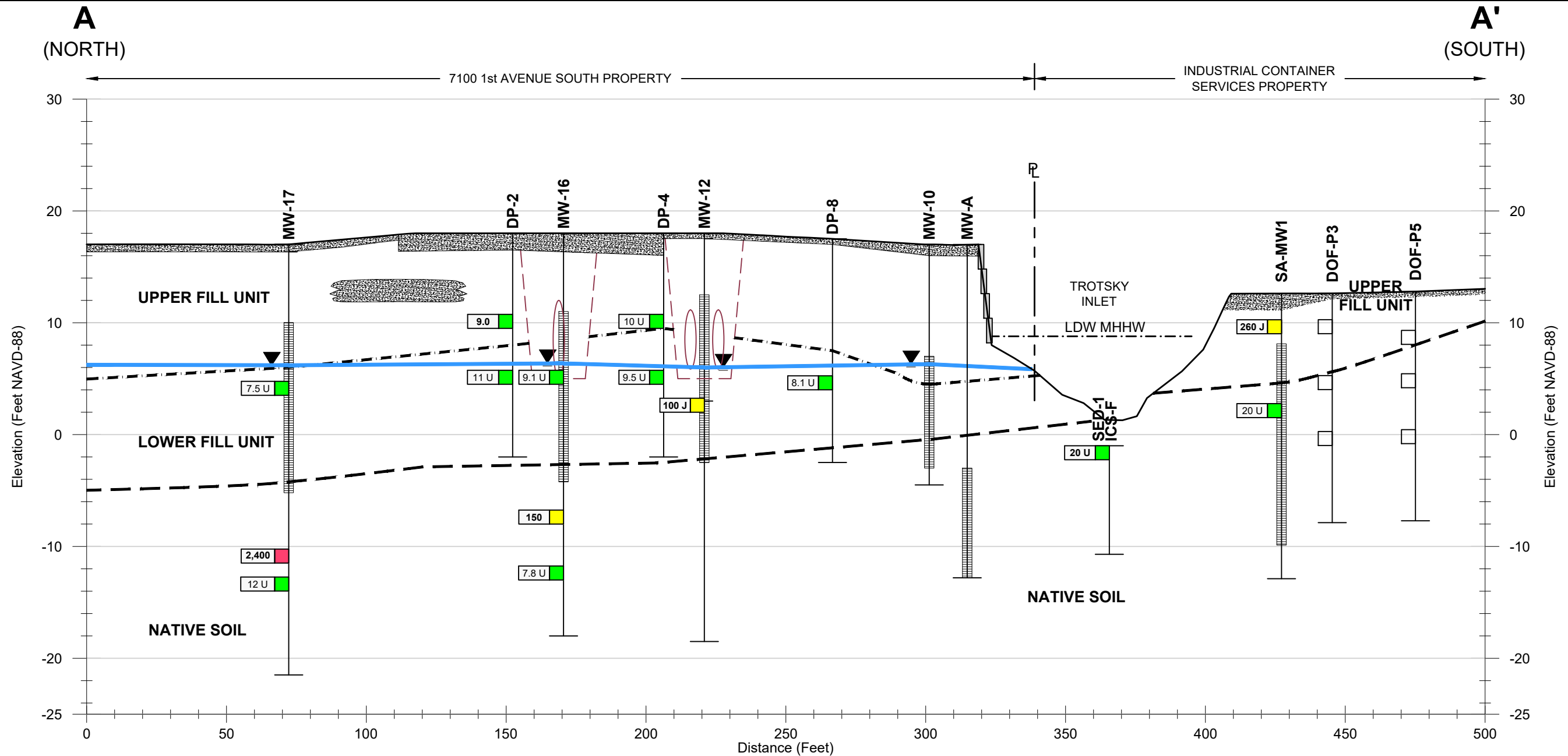
**Notes:**

- Off-site (ICS Site) samples were included within appropriate depth intervals relative to 7100 Site ground surface based on sample elevation data provided in the 2016 Draft RI Report for the ICS Site (DOF 2016).
- The locations of all features shown are approximate.
- Location of drain and conveyance features are unconfirmed and will be evaluated during RI.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Reference: Aerial image from King County GIS, 2007. Storm drainage features, sample locations, and contours from CAD file svTPXgeoe0000-0022.dwg "Topographic Survey by David Evans and Associates dated August 28, 2013.

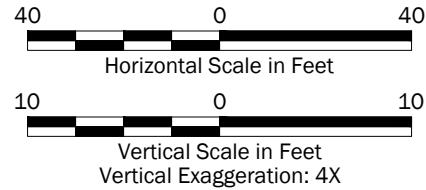


<b>Petroleum Hydrocarbons and VOCs in Soil by Elevation (Below -3 Feet NAVD-88)</b>	
7100 1st Avenue South Site Seattle, Washington	
	<b>Figure 19</b>



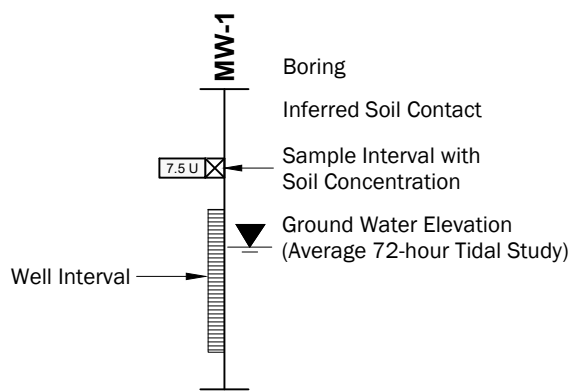
**Legend**

- Soil Type**
- Asphalt or Concrete
  - Interpolated Upper/Lower Fill Contact
  - Interpolated Fill/Native Contact
  - Interpolated Mean Groundwater Elevation
- Color Coding for Analytical Results**
- IHS was not detected above the SL
  - IHS was detected at a concentration between 1x and 10x the SL
  - IHS was detected at a concentration greater than 10x the SL
- Screening Cleanup Level:  
Vadose and Saturated Zone Soil = 30 mg/kg
- Approximate UST Removal Excavation Limit**
- U = Analyte not detected above the reported practical quantitation limit
  - J = Estimated analyte concentration
- UST = Underground Storage Tank  
SL = Screening Level  
mg/kg = milligrams per kilogram



**Notes:**

- See figure 7 for line of cross sections.
- The locations of all features shown are approximate.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.



Note: ICS RI Samples were not screened against 7100 Site RI SLs for comparison of concentrations only. Applicable SLs for ICS samples will be developed in a separate RI for the ICS site.

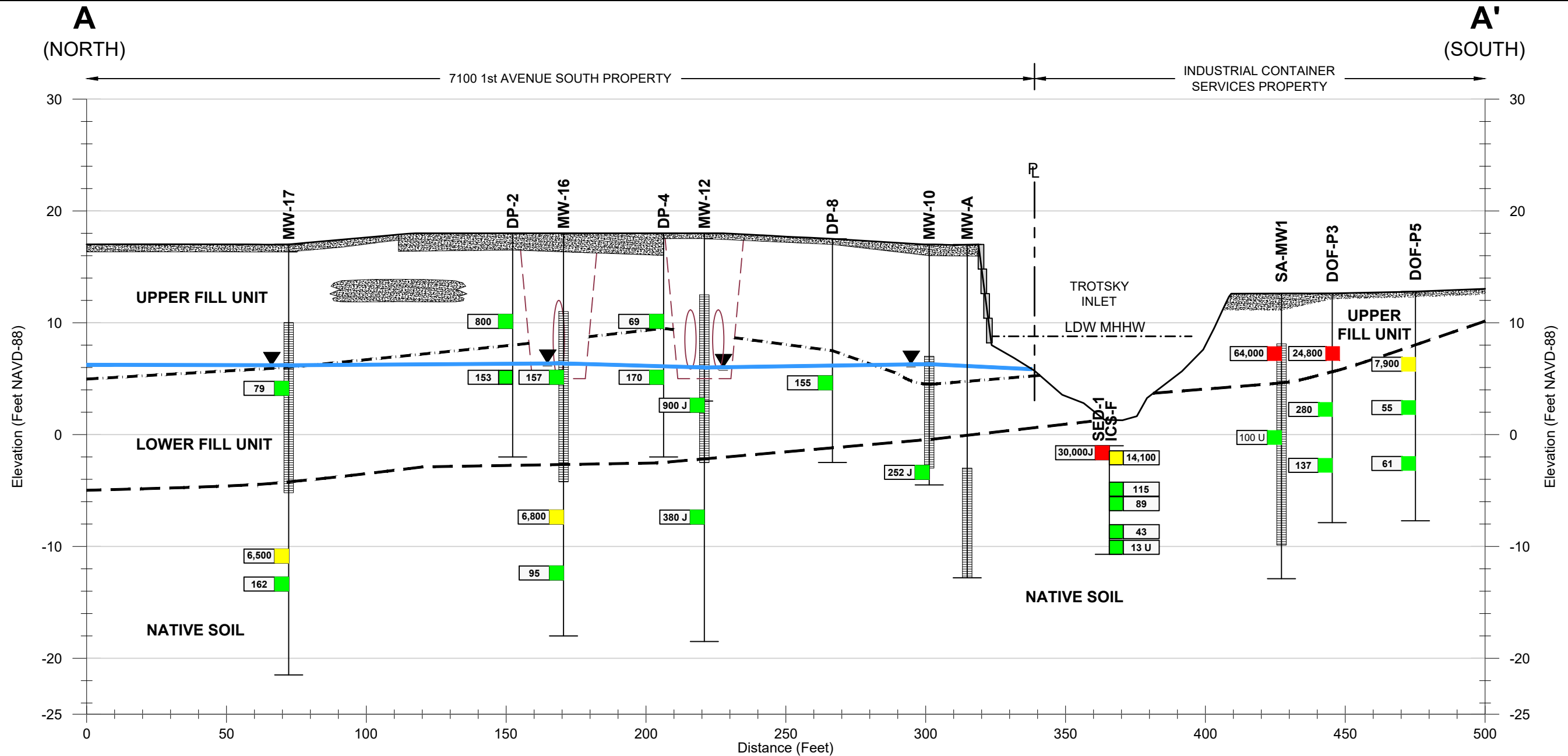
**Gasoline Range Petroleum Hydrocarbons in Soil Cross-Section A-A'**

7100 1st Avenue South Site  
Seattle, Washington



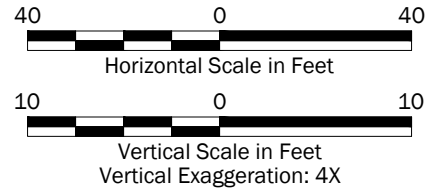
\\geoenr.com\WAM\Projects\0275015\02\CAD\RI Report\027501502\_Fig Soil Cross-Sections.dwg TAB:Fig.20 - A-A' - GASOLINE Date Exported: 08/16/19 - 14:26 by mwwoods

Reference: Base CAD drawing provided by David Evans Associates (2013 Survey). Locations of historic features from D&M, 1991, SAIC 2009, and historic aerial photos (1974 and 1985).



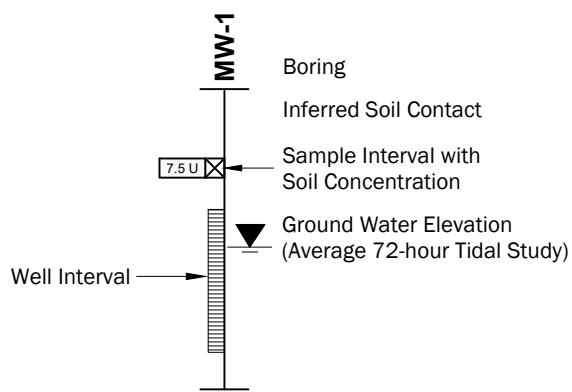
**Legend**

- Soil Type**
- Asphalt or Concrete
  - Interpolated Upper/Lower Fill Contact
  - Interpolated Fill/Native Contact
  - Interpolated Mean Groundwater Elevation
- Color Coding for Analytical Results**
- IHS was not detected above the SL
  - IHS was detected at a concentration between 1x and 10x the SL
  - IHS was detected at a concentration greater than 10x the SL
- Screening Cleanup Level:  
Vadose and Saturated Zone Soil = 2,000 mg/kg
- Approximate UST Removal Excavation Limit**
- U = Analyte not detected above the reported practical quantitation limit
  - J = Estimated analyte concentration
- UST = Underground Storage Tank  
SL = Screening Level  
mg/kg = milligrams per kilogram



**Notes:**

- See figure 7 for line of cross sections.
- The locations of all features shown are approximate.
- This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.



Note: ICS RI Samples were not screened against 7100 Site RI SLs for comparison of concentrations only. Applicable SLs for ICS samples will be developed in a separate RI for the ICS site.

**Diesel/Heavy Oil-Range  
Petroleum Hydrocarbons in Soil  
Cross-Section A-A'**

7100 1st Avenue South Site  
Seattle, Washington

**GEOENGINEERS**

**Figure 21**

\\geoengineers.com\WAM\Projects\0275015\02\CAD\RI Report\027501502\_Fig Soil Cross-Sections.dwg TAB:Fig 21 - A-A' - DIESEL Date Exported: 08/19/19 - 9:19 by mwwoods

Reference: Base CAD drawing provided by David Evans Associates (2013 Survey). Locations of historic features from D&M, 1991, SAIC 2009, and historic aerial photos (1974 and 1985).