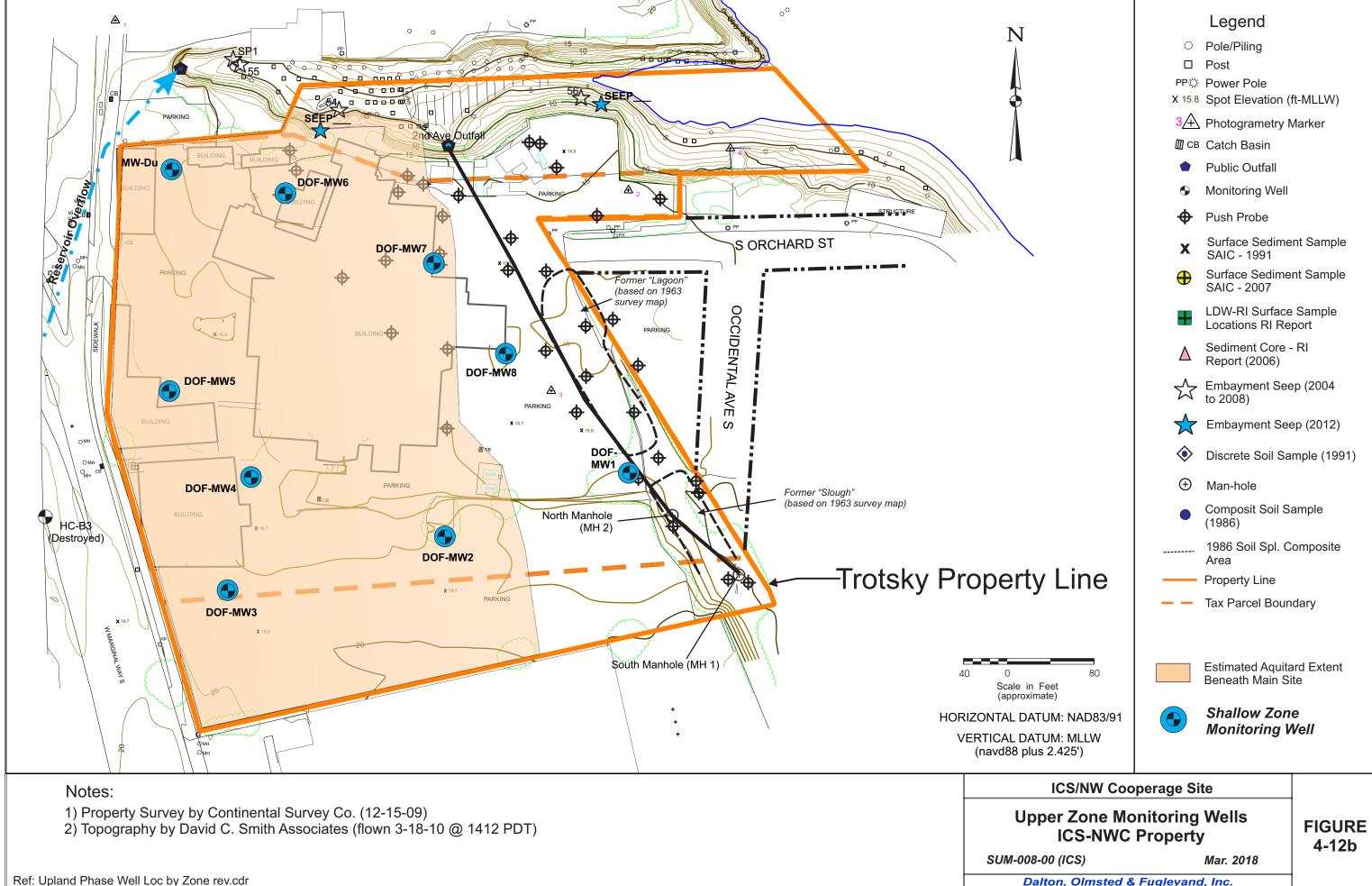
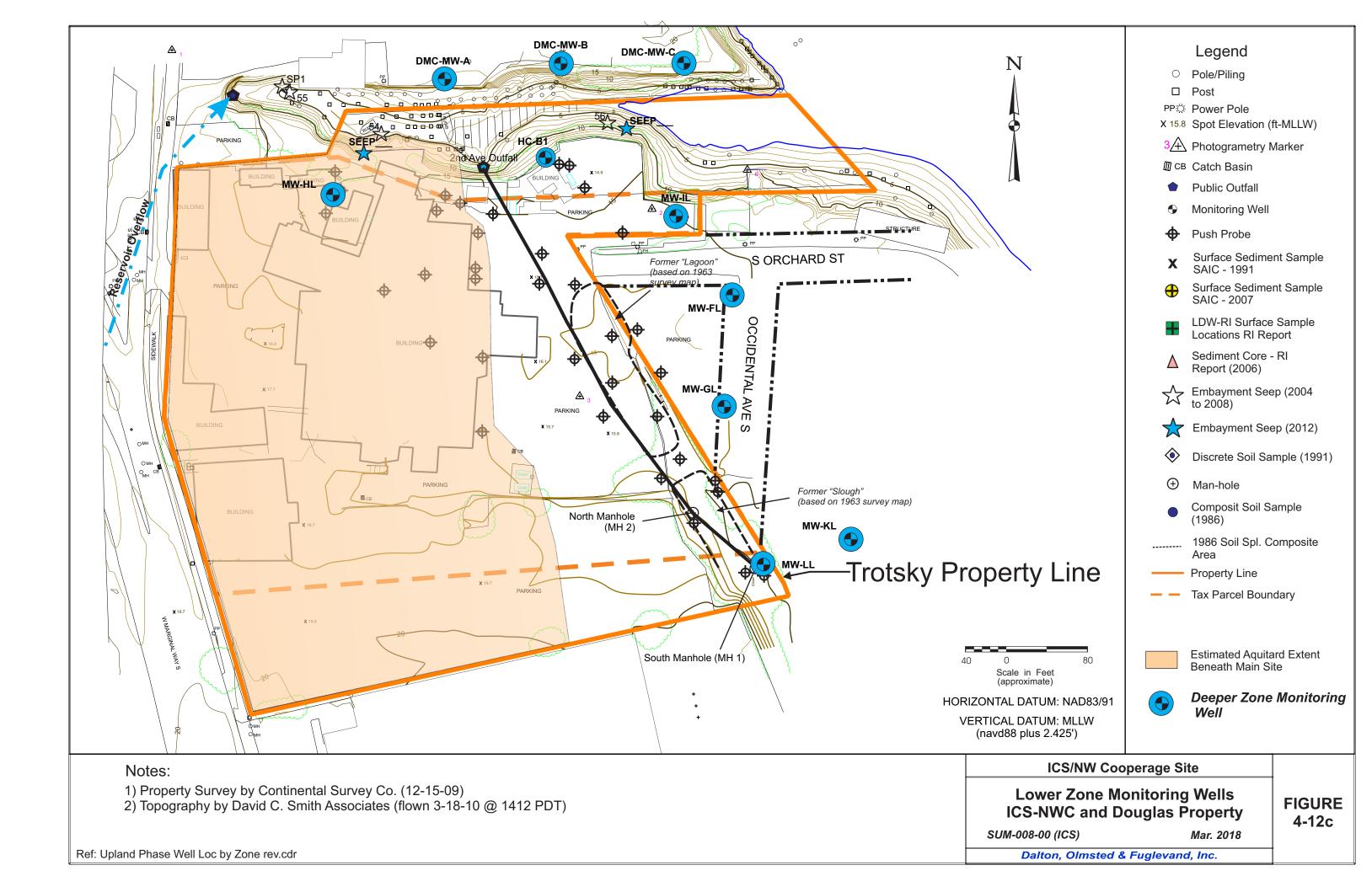


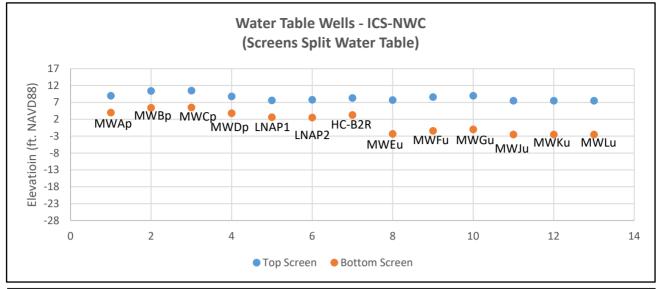
Dalton, Olmsted & Fuglevand, Inc.

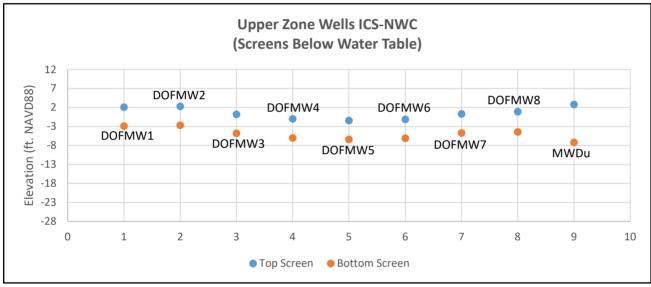
Ref: Upland Phase Well Loc by Zone rev.cdr

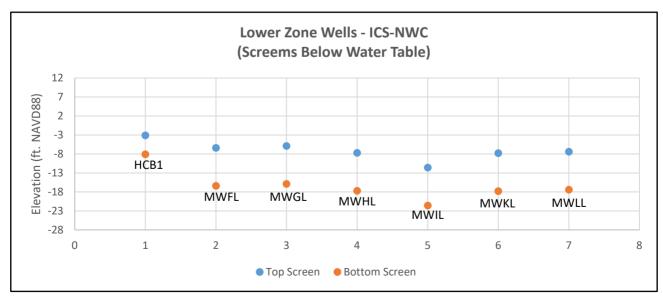


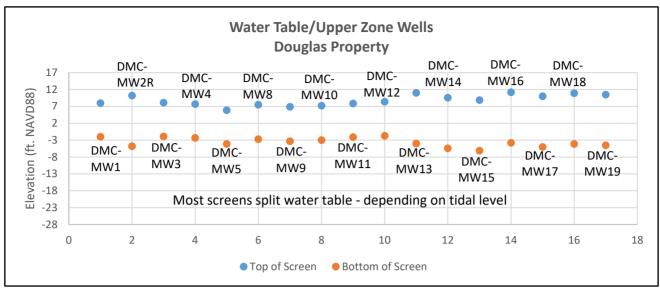
Dalton, Olmsted & Fuglevand, Inc.

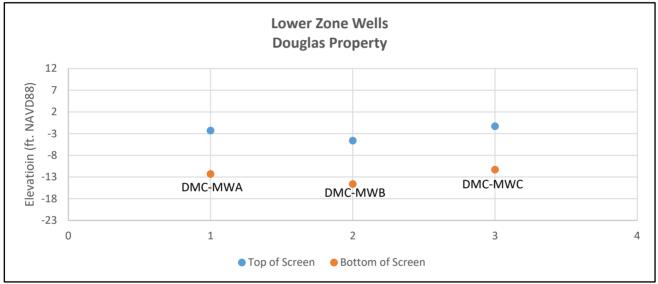


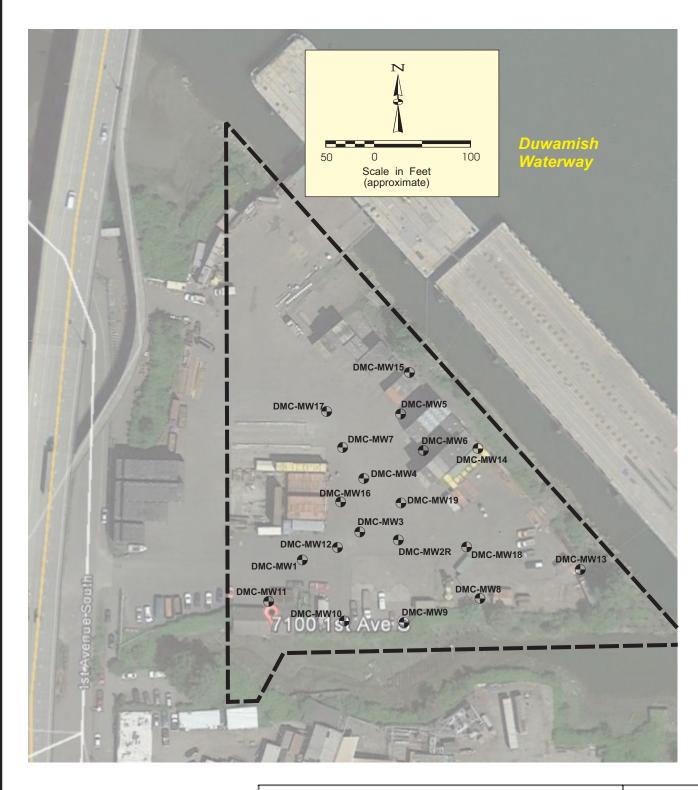












DMC-MW11 Monitoring Well

**ICS/NW Cooperage Site** 

Douglas Property Water Table/Upper Zone Well Locations

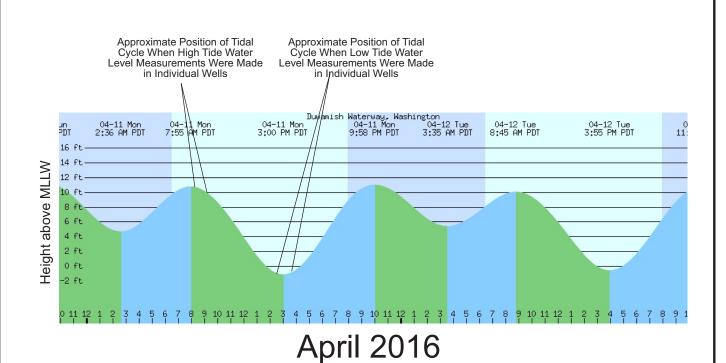
SUM-008-00 (ICS)

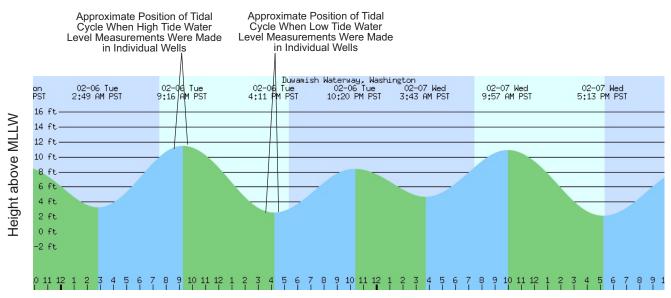
March 2018

Dalton, Olmsted & Fuglevand, Inc.

FIGURE 4-14

Ref: Douglas WT Shallow Well Locations.cdr





## February 2018

Notes:

The tide charts shown above are predicted tides for Duwamish Waterway

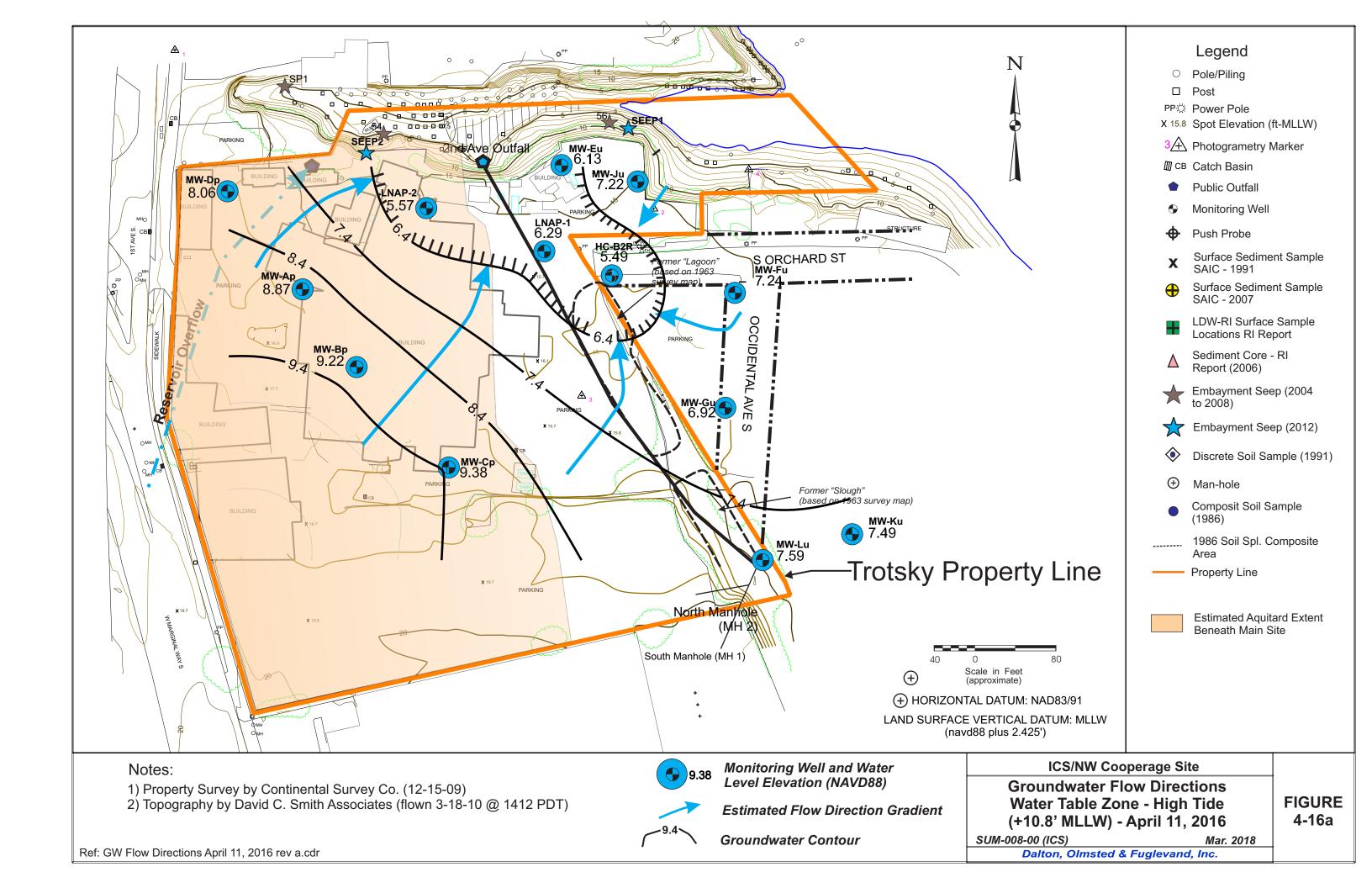
Tidal heights are relative to the NOAA chart datum Mean Lower Low Water (MLLW)

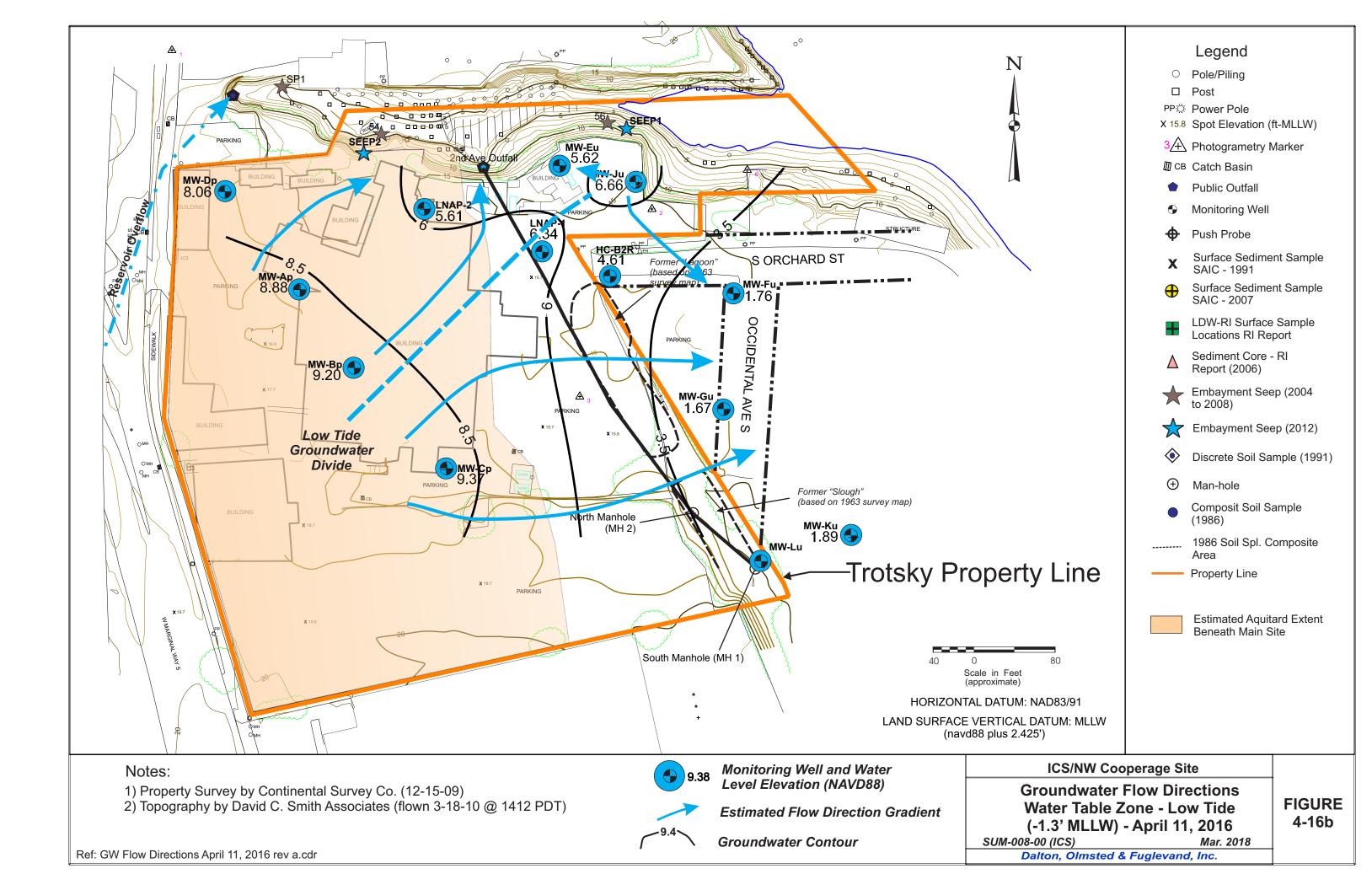
ICS/NW Cooperage Site Seattle, Washington

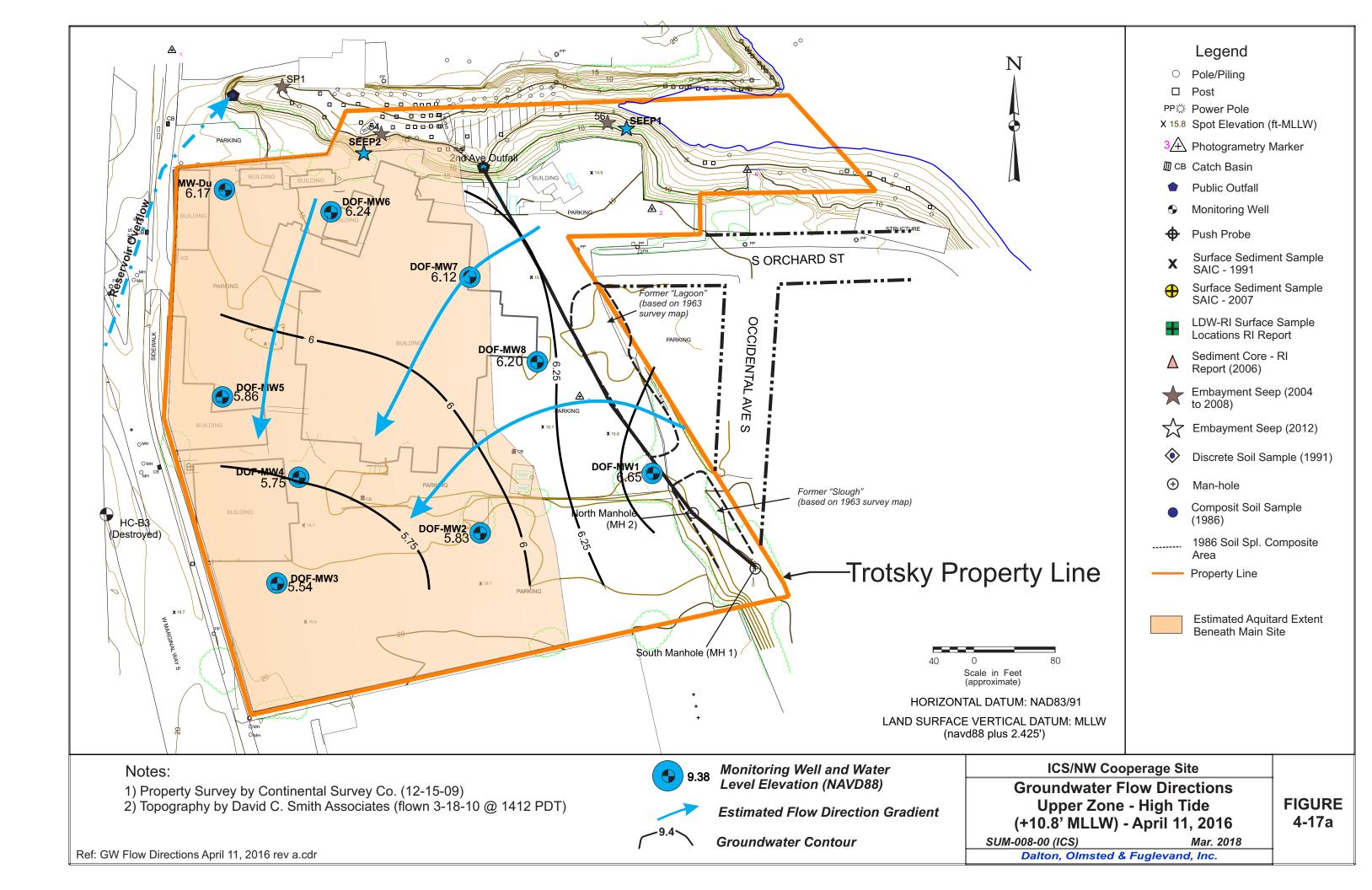
TIDE CHARTS
April 2016 and February 2018

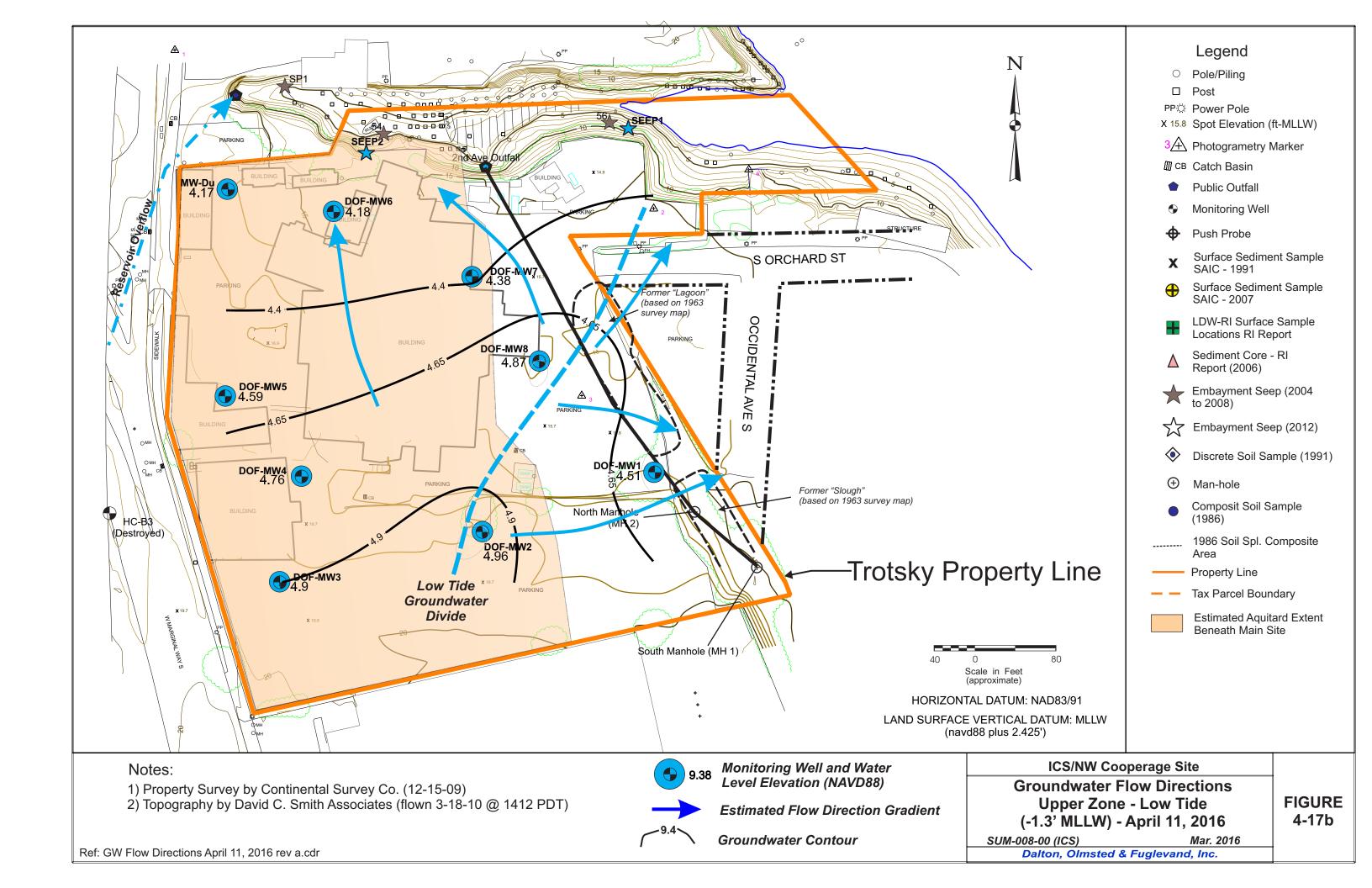
SUM-008-00 **FIGURE 4-15** Mar. 2018 Dalton, Olmsted & Fuglevand, Inc.

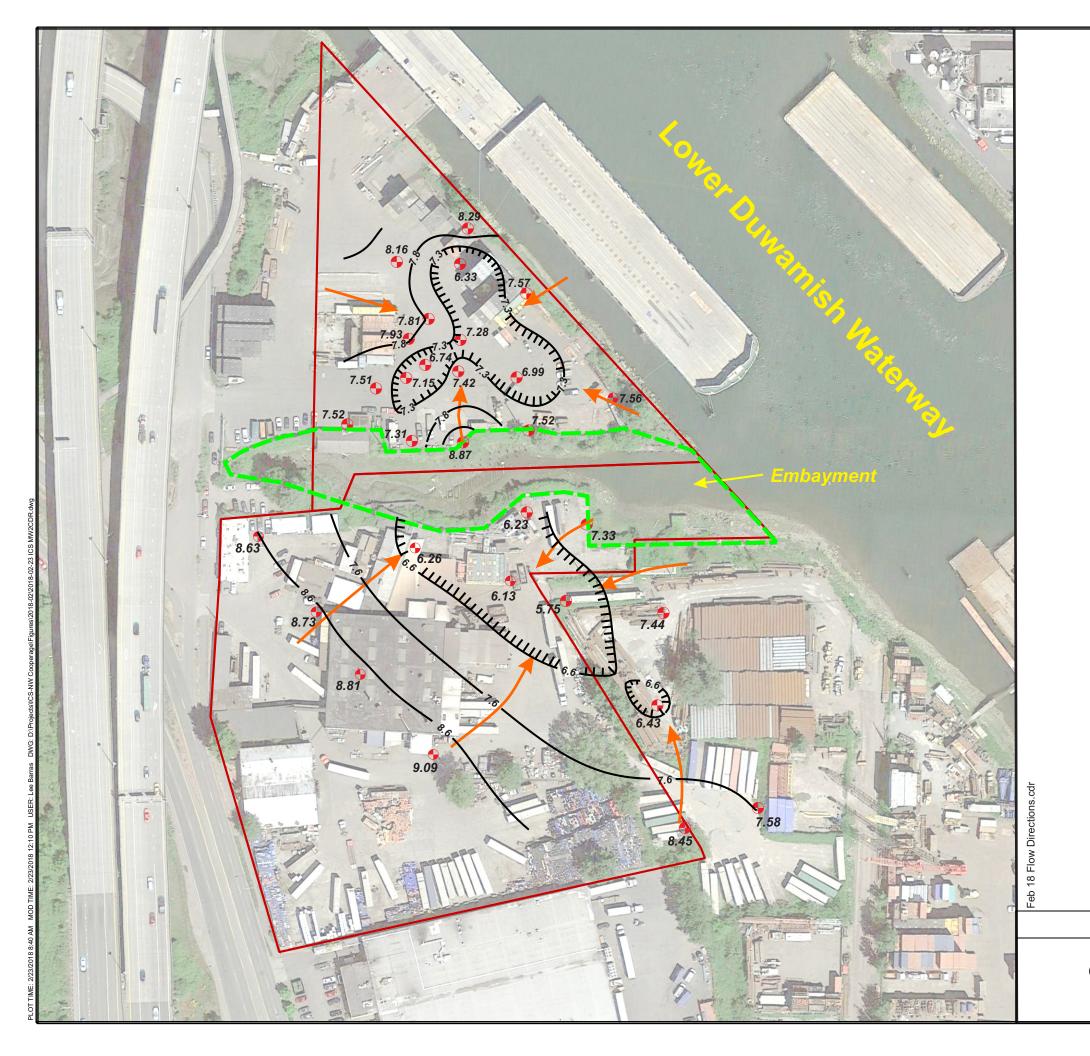
Source:http://www.mobilegeographics.com/locations/1683.html











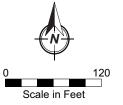
7.33 Water Level Elevation (ft. NAVD88)

Groundwater Contour (ft. NAVD88)

Estimated High Tide Flow Gradient Direction

——— Property Boundary

- 1) Water level measurements were made on February 6, 2018 during a predicted high tide of +9.4 feet NAVD88 (11.8 feet MLLW) at 0923 hours between 0852 hours and 0940 hours.
- 2) The water table and upper zones are not differentiated on the Douglas property.

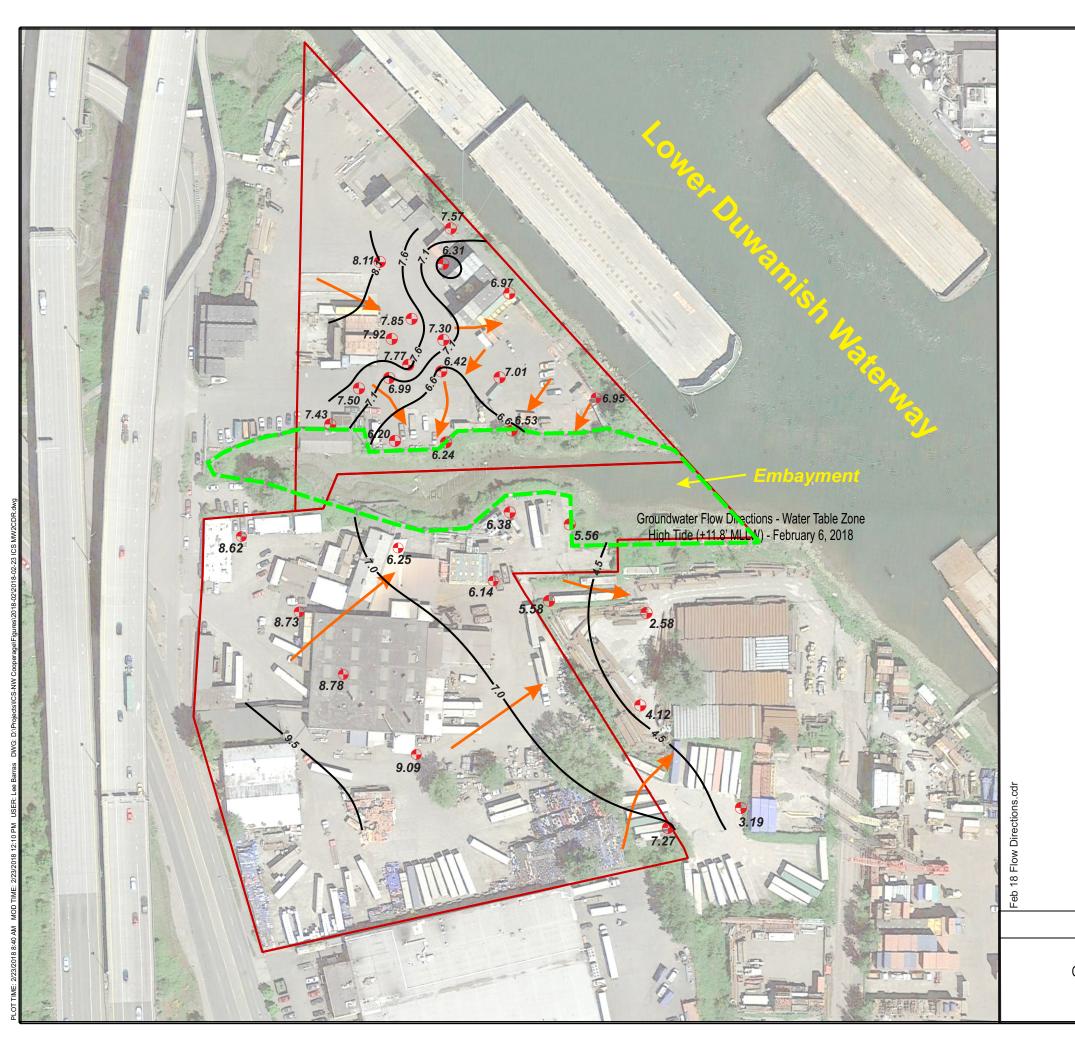


ICS/NW Cooperage Site Seattle, Washington

DOF DALTON OLMSTED FUGLEVAND

Groundwater Flow Directions - Water Table Zone High Tide (+11.8' MLLW) - February 6, 2018

FIGURE 4-18a March 2018



7.33 Water Level Elevation (ft. NAVD88)

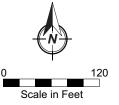
**√8.0** Groundwater C

Groundwater Contour (ft. NAVD88)

Estimated High Tide Flow Gradient Direction

----- Property Boundary

- 1) Water level measurements were made on February 6, 2018 during a predicted high tide of +9.4 feet NAVD88 (11.8 feet MLLW) at 0923 hours between 0852 hours and 0940 hours.
- 2) The water table and upper zones are not differentiated on the Douglas property.

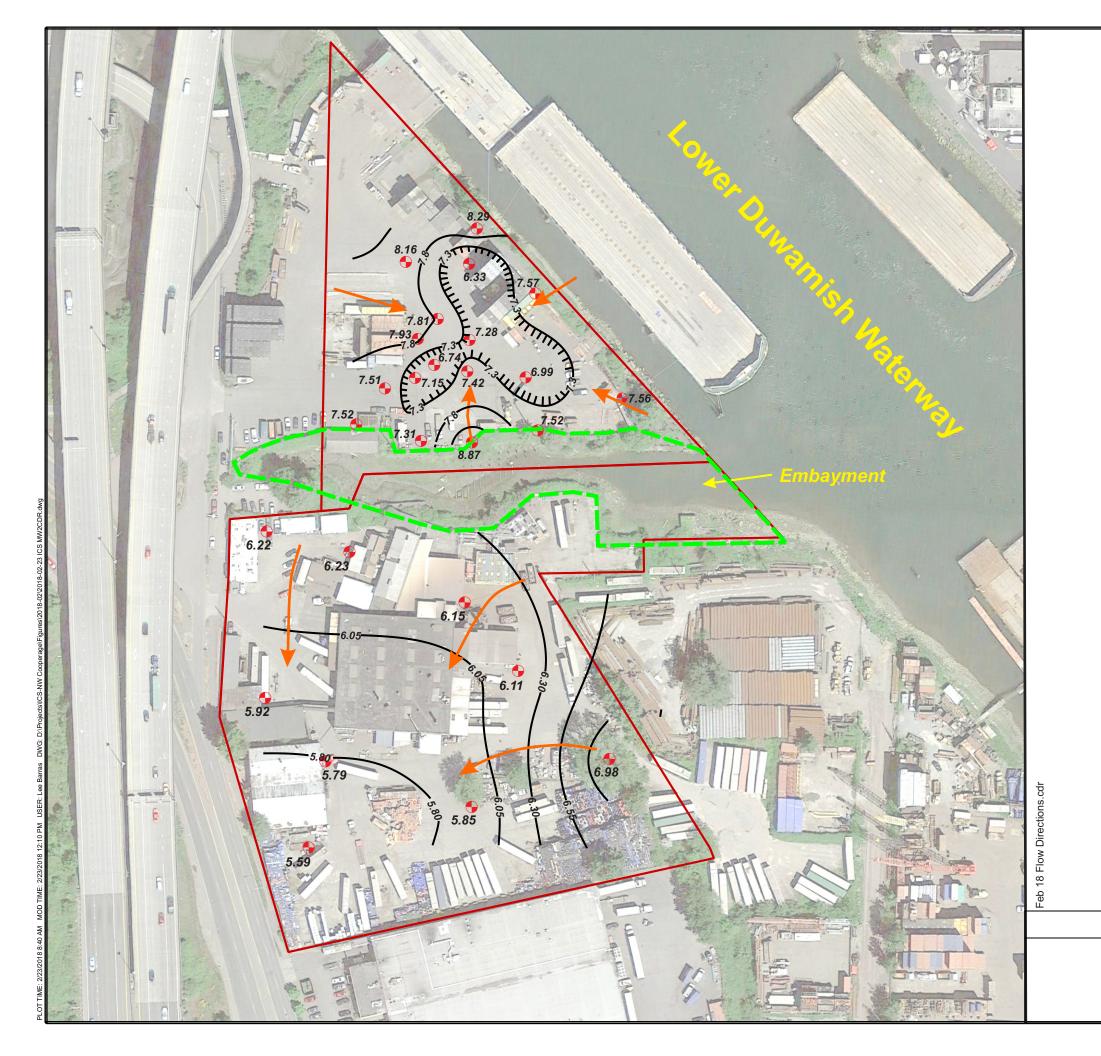


ICS/NW Cooperage Site Seattle,Washington

DOF DALTON OLMSTED FUGLEVAND

Groundwater Flow Directions - Water Table Zone Low Tide (+2.5' MLLW) - February 6, 2018

FIGURE 4-18b March 2018



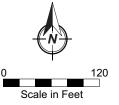
7.33 Water Level Elevation (ft. NAVD88)

Groundwater Contour (ft. NAVD88)

Estimated High Tide Flow Gradient Direction

—— Property Boundary

- 1) Water level measurements were made on February 6, 2018 during a predicted high tide of +9.4 feet NAVD88 (11.8 feet MLLW) at 0923 hours between 0852 hours and 0940 hours.
- 2) The water table and upper zones are not differentiated on the Douglas property.

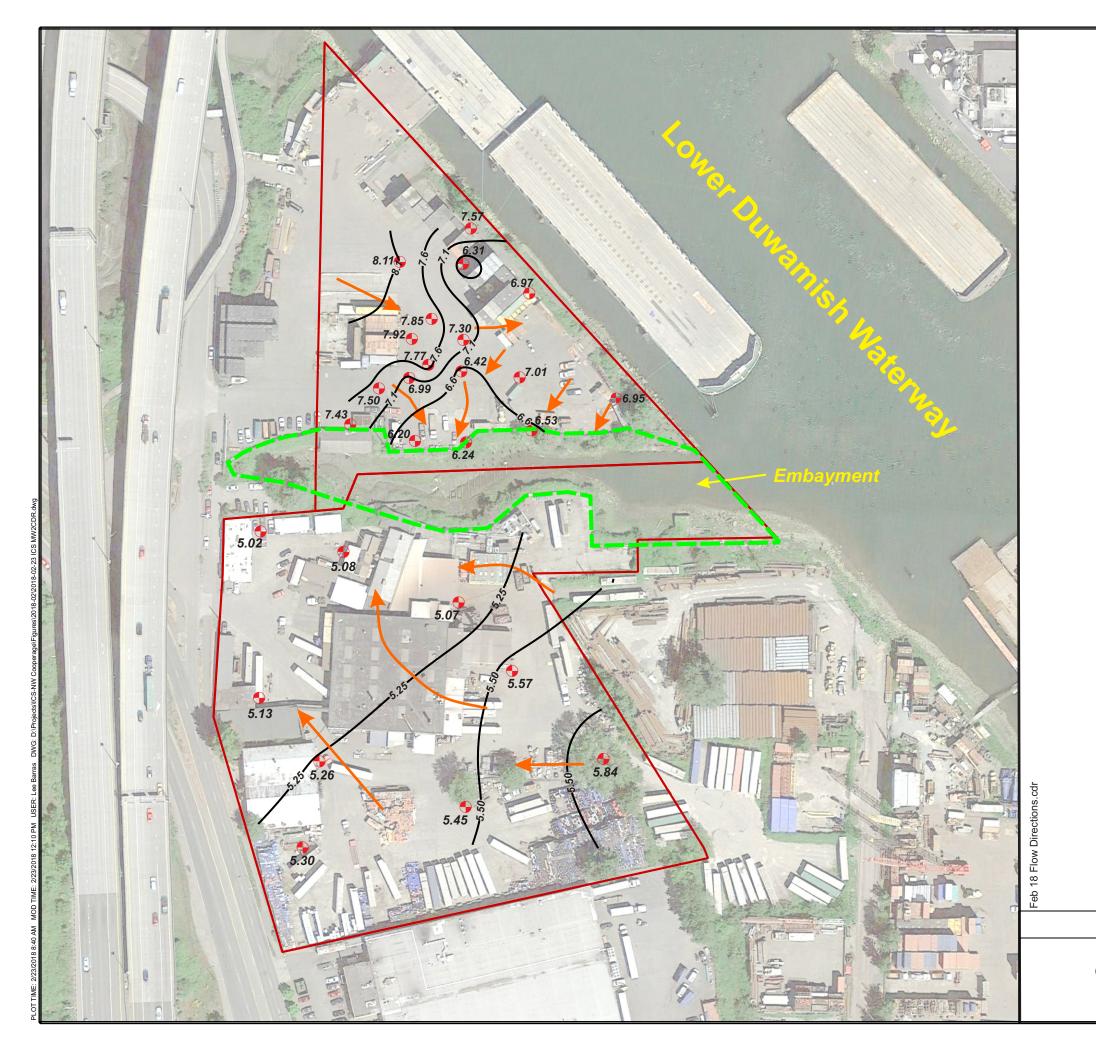


ICS/NW Cooperage Site Seattle, Washington

DOF DALTON OLMSTED FUGLEVAND

Groundwater Flow Directions - ICS Upper Zone High Tide (+11.8' MLLW) - February 6, 2018

FIGURE 4-19a March 2018



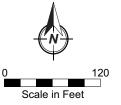
7.33 Water Level Elevation (ft. NAVD88)

Groundwater Contour (ft. NAVD88)

Estimated High Tide Flow Gradient Direction

—— Property Boundary

- 1) Water level measurements were made on February 6, 2018 during a predicted high tide of +9.4 feet NAVD88 (11.8 feet MLLW) at 0923 hours between 0852 hours and 0940 hours.
- 2) The water table and upper zones are not differentiated on the Douglas property.

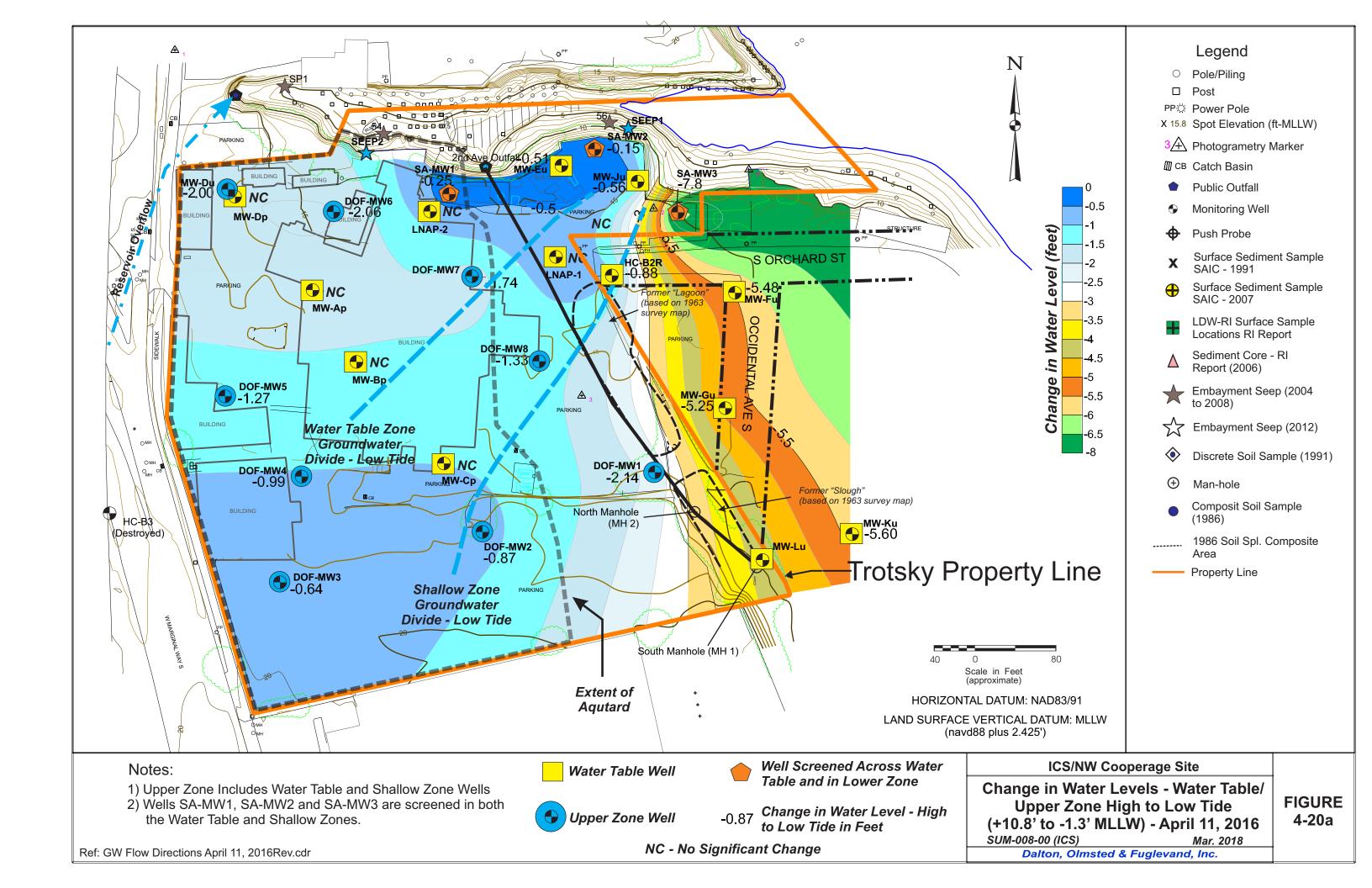


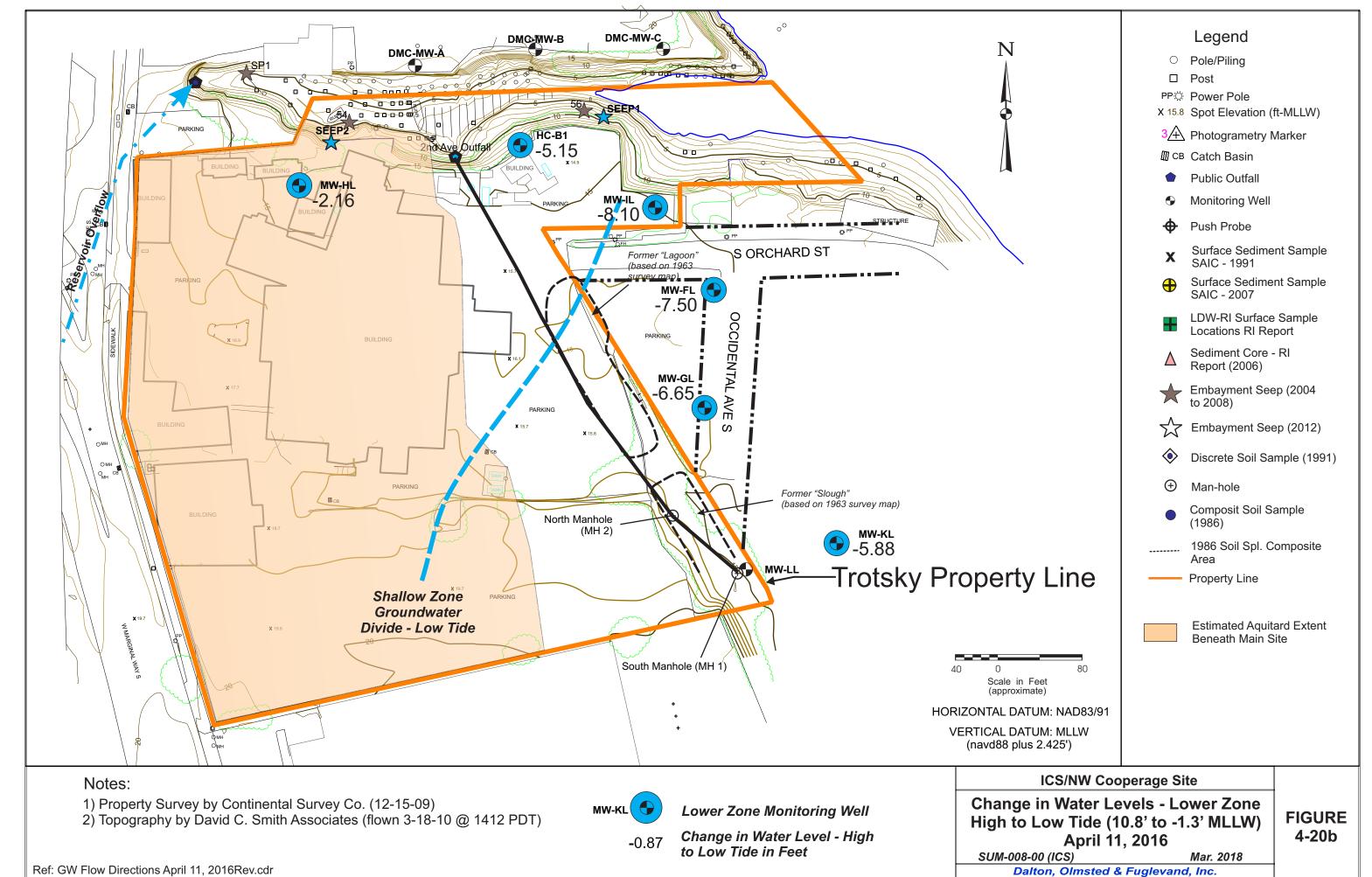
ICS/NW Cooperage Site Seattle, Washington

DOF DALTON OLMSTED FUGLEVAND

Groundwater Flow Directions - ICS Upper Zone Low Tide (+2.5' MLLW) - February 6, 2018

FIGURE 4-19b March 2018





Ref: GW Flow Directions April 11, 2016Rev.cdr