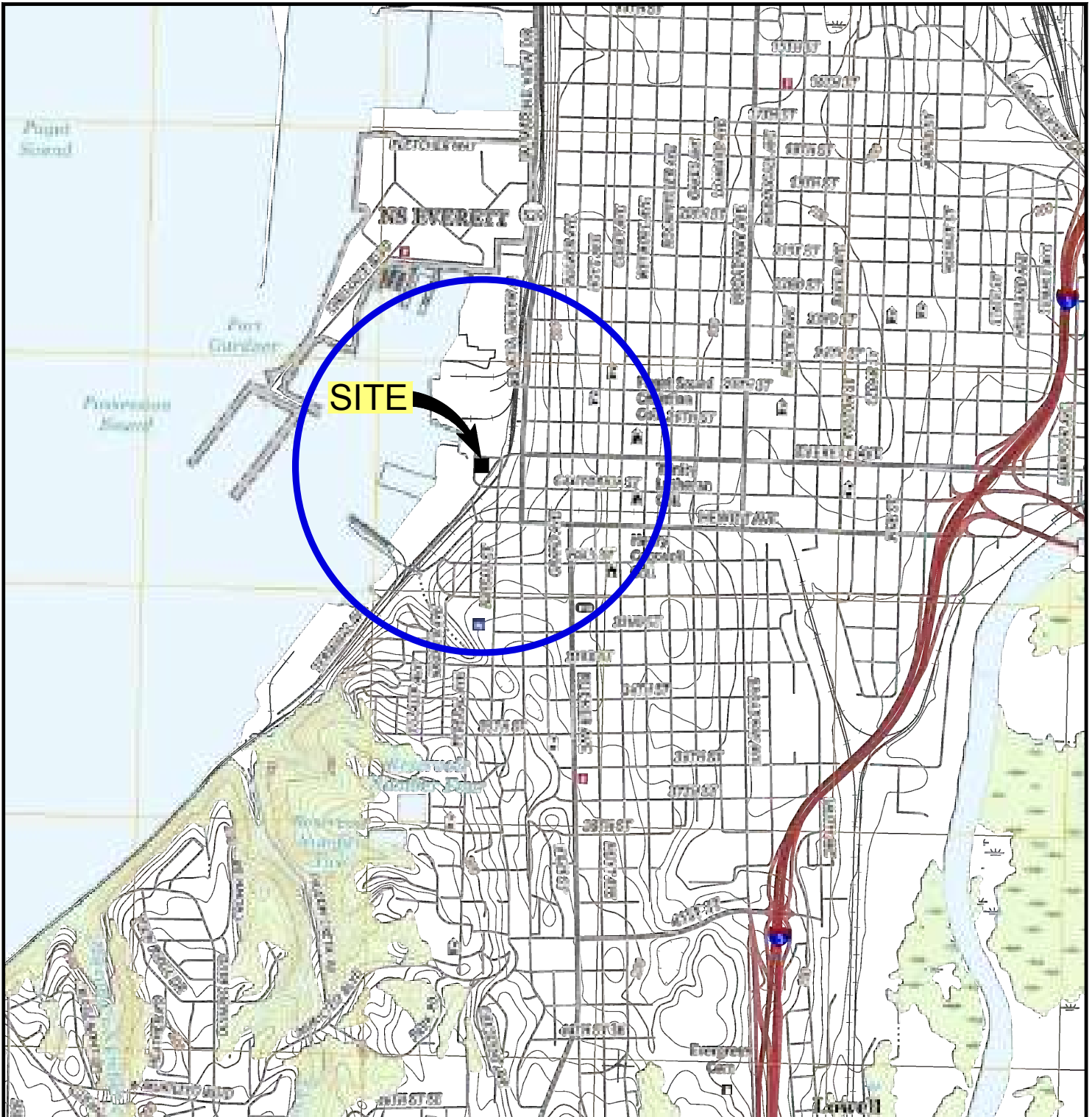





wood.

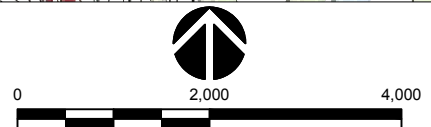
Figures





EXPLANATION

 1/2-MILE RADIUS CIRCLE



CLIENT
**EXXONMOBIL AND
 AMERICAN DISTRIBUTING CO.**



Wood Environment &
 Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA 98101

PROJECT
**EXXONMOBIL/ADC PROPERTY
 ECOLOGY SITE ID 2728**

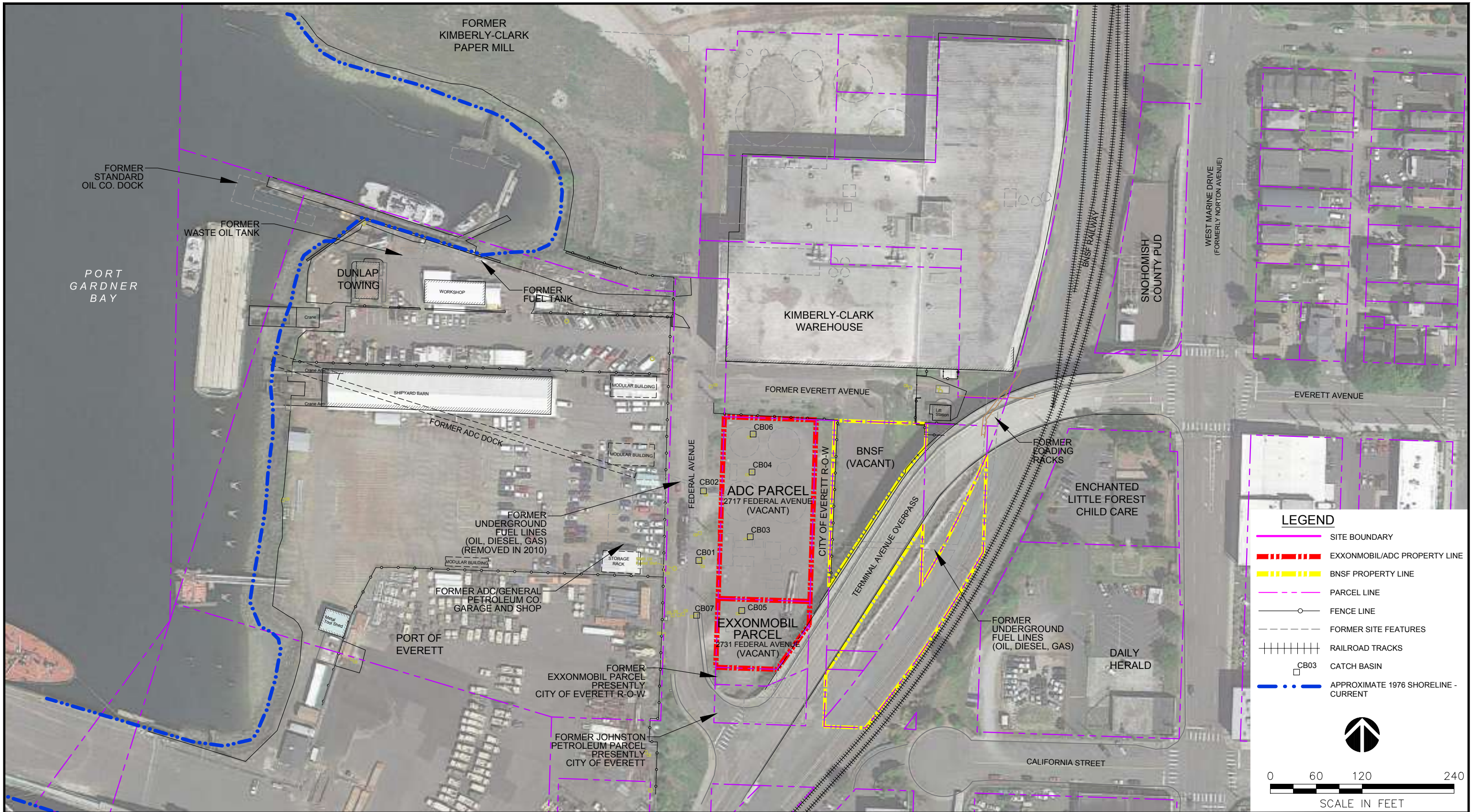
TITLE
SITE LOCATION

DATE
 JUNE 2017

SCALE
 AS SHOWN

PROJECT NO.
 6103140009

FIGURE No:
2-1



SOURCE: PARCELS FROM SNOHOMISH COUNTY.

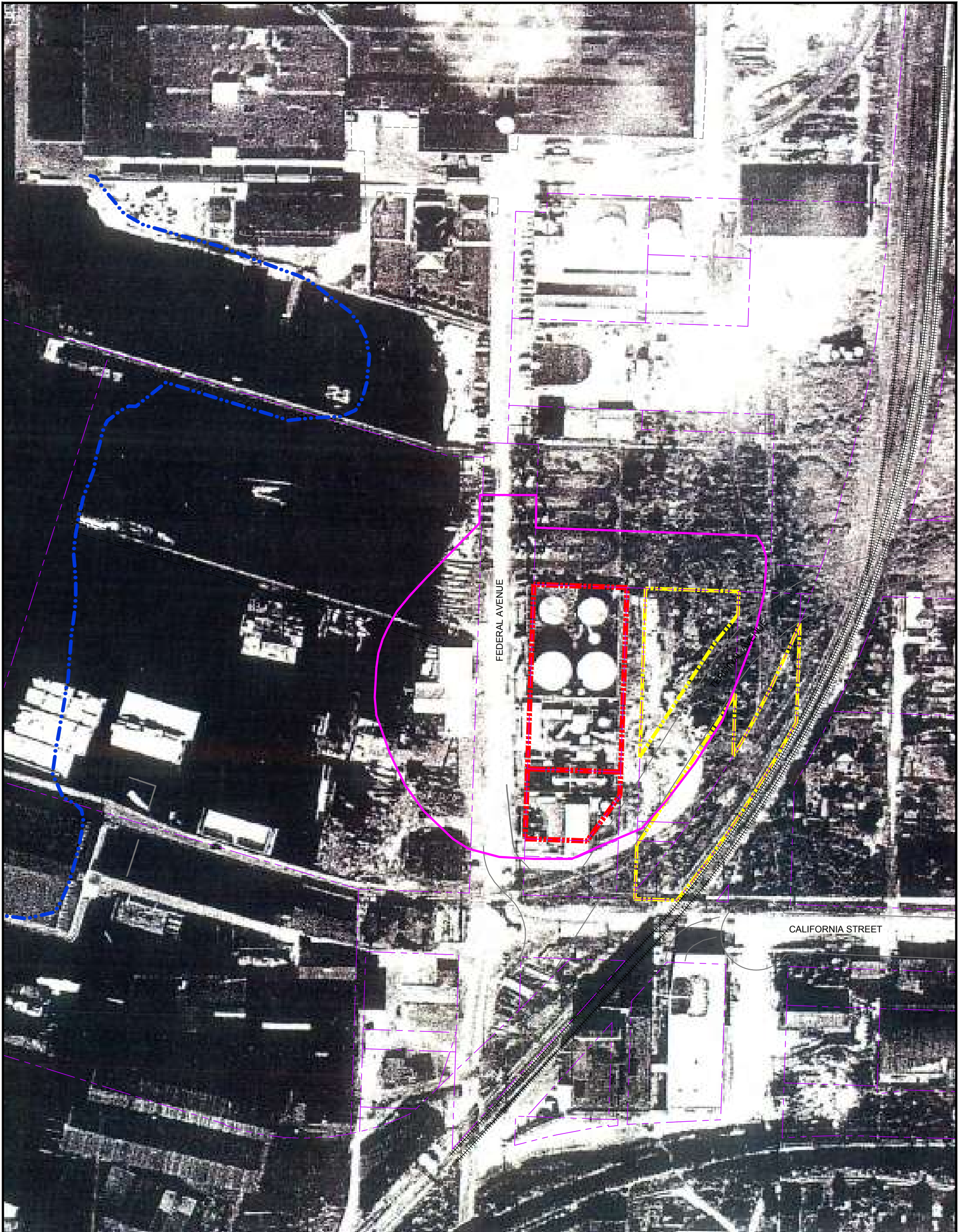


CLIENT:
**EXXONMOBIL
 AMERICAN DISTRIBUTING CO.**
 Wood Environment &
 Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: LV/AS/MS
 DATUM: NAD 83 N FT
 PROJECTION: WASP
 SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
 ECOLOGY SITE ID 2728**
 TITLE
SITE VICINITY MAP

DATE:
 SEPTEMBER 2018
 PROJECT NO:
 6103180009
 REV. NO.:
 FIGURE No.
2-2



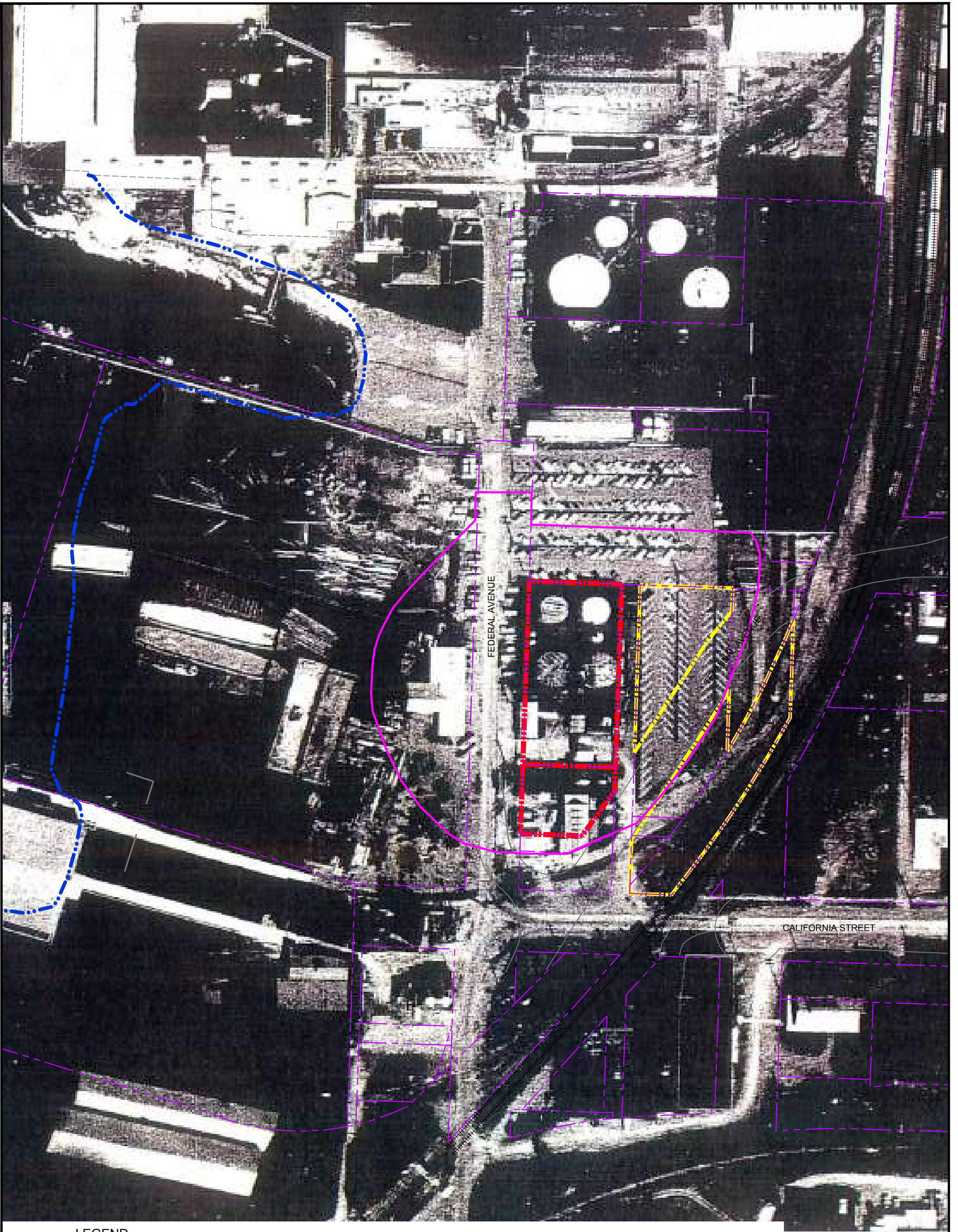
LEGEND

- SITE BOUNDARY
- - - - PARCEL LINE
- - - - EXXONMOBIL/ADC PROPERTY LINE
- - - - BNSF PROPERTY LINE
- · · · APPROXIMATE 1976 SHORELINE - CURRENT



<p>CLIENT</p> <p style="text-align: center;">EXXONMOBIL AND AMERICAN DISTRIBUTION COMPANY</p>		<p>PROJECT</p> <p style="text-align: center;">EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728</p>	<p>DATE</p> <p style="text-align: center;">SEPTEMBER 2018</p>
<p>Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, Washington 98101</p>		<p>TITLE</p> <p style="text-align: center;">1947 AERIAL PHOTOGRAPH</p>	<p>PROJECT NO.</p> <p style="text-align: center;">6103150009</p>
			<p>REV NO.</p> <p style="text-align: center;">1</p>
			<p>FIGURE No.</p> <p style="text-align: center;">2-3</p>

DRAWN BY: APS, CHECKED BY: LV



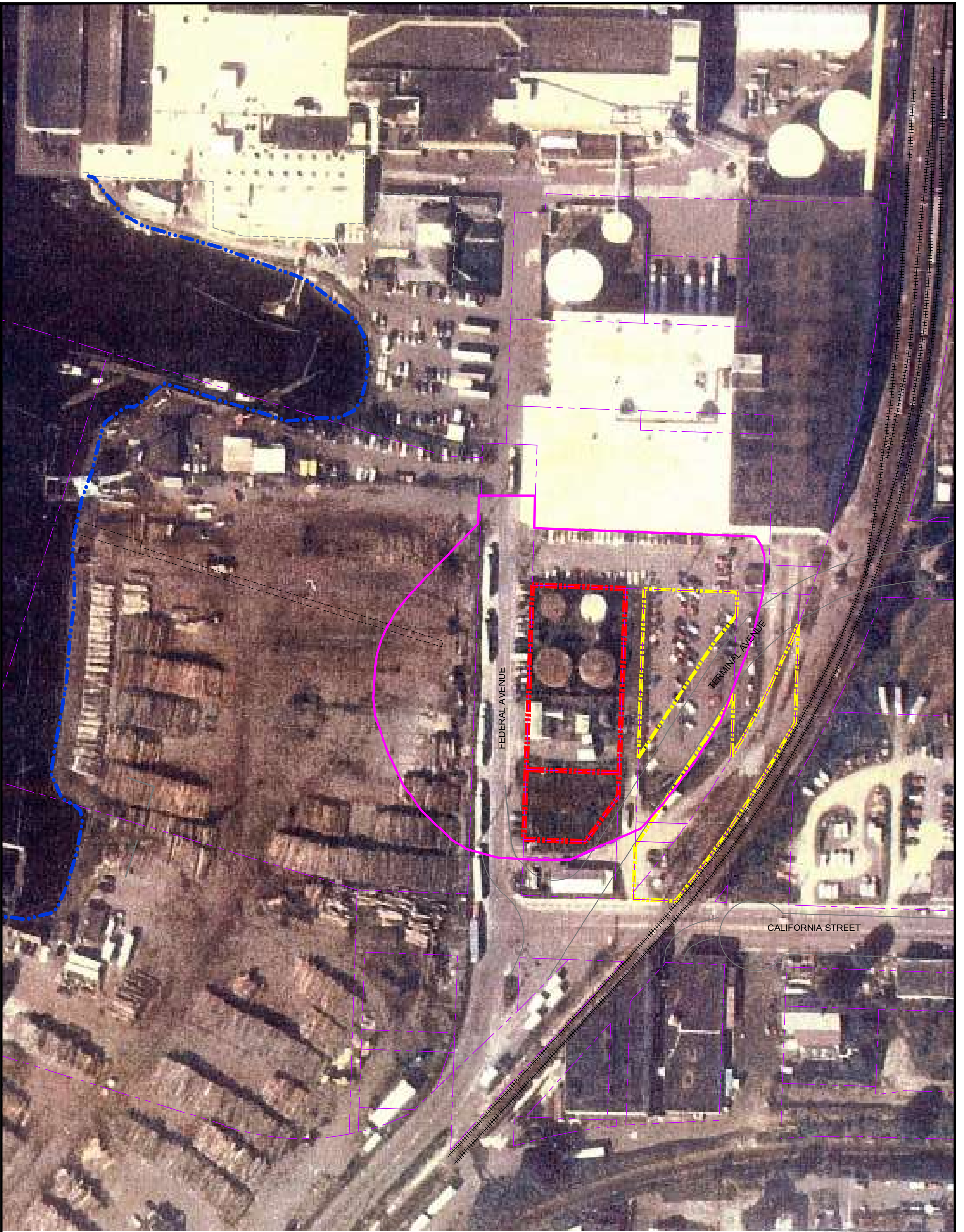
LEGEND

- SITE BOUNDARY
- - - PARCEL LINE
- - - - - EXXONMOBIL/ADC PROPERTY LINE
- - - - - BNSF PROPERTY LINE
- APPROXIMATE 1976 SHORELINE - CURRENT



<p>CLIENT</p> <p style="text-align: center;">EXXONMOBIL AND AMERICAN DISTRIBUTION COMPANY</p>		<p>PROJECT</p> <p style="text-align: center;">EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728</p>	<p>DATE</p> <p style="text-align: center;">SEPTEMBER 2018</p>
<p>Wood Environment & Infrastructure Solutions, Inc.</p> <p style="font-size: small;">600 University Street, Suite 600 Seattle, Washington 98101</p>		<p>TITLE</p> <p style="text-align: center;">1967 AERIAL PHOTOGRAPH</p>	<p>PROJECT NO.</p> <p style="text-align: center;">6103180009</p>
			<p>REV NO.</p> <p style="text-align: center;">1</p>
			<p>FIGURE No.</p> <p style="text-align: center;">2-4</p>

DRAWN BY: APS CHECKED BY: LV



LEGEND

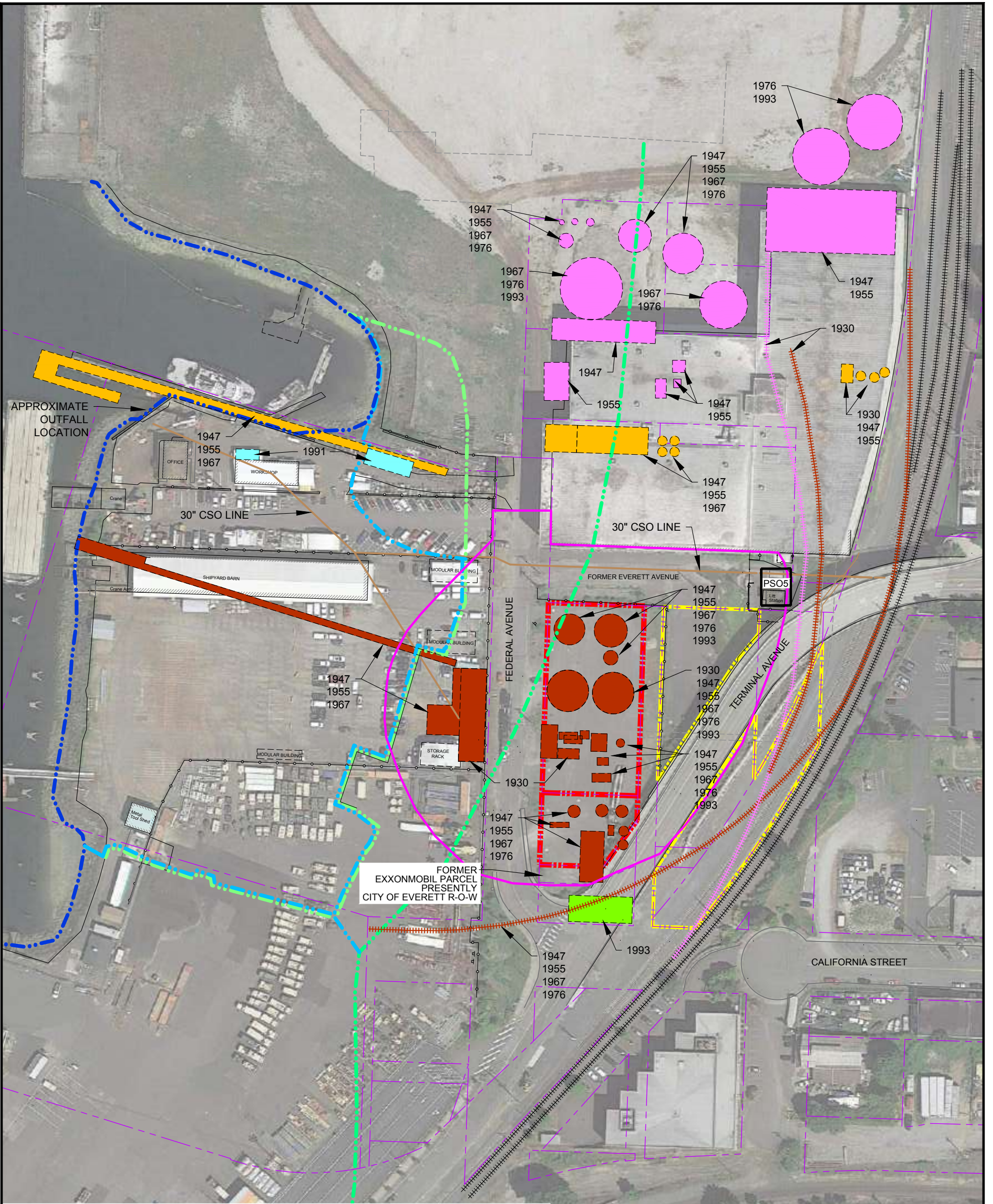
- SITE BOUNDARY
- - - PARCEL LINE
- - - EXXONMOBIL/ADC PROPERTY LINE
- - - BNSF PROPERTY LINE
- · · APPROXIMATE 1976 SHORELINE - CURRENT



0 60 120 240

SCALE IN FEET

<p>CLIENT</p> <p style="text-align: center;">EXXONMOBIL AND AMERICAN DISTRIBUTION COMPANY</p>		<p>PROJECT</p> <p style="text-align: center;">EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728</p>	<p>DATE</p> <p style="text-align: center;">SEPTEMBER 2018</p>
<p>Wood Environment & Infrastructure Solutions, Inc.</p> <p style="font-size: small;">600 University Street, Suite 600 Seattle, Washington 98101</p>		<p>TITLE</p> <p style="text-align: center;">1993 AERIAL PHOTOGRAPH</p>	<p>PROJECT NO.</p> <p style="text-align: center;">6103180009</p>
			<p>REV NO.</p> <p style="text-align: center;">1</p>
			<p>FIGURE No.</p> <p style="text-align: center;">2-5</p>



LEGEND

- SITE BOUNDARY
- - - - - EXXONMOBIL/ADC PROPERTY LINE
- - - - - BNSF PROPERTY LINE
- - - - - PARCEL LINE
- . . . - APPROXIMATE 1976 SHORELINE - CURRENT
- . . . - APPROXIMATE 1967 SHORELINE
- . . . - APPROXIMATE 1947 SHORELINE
- . . . - APPROXIMATE 1914 SHORELINE

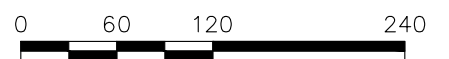
KEY

- EXXONMOBIL/ADC AND PREDECESSORS
- ASSOCIATED OIL COMPANY / KIMBERLY CLARK
- STANDARD OIL COMPANY
- JOHNSTON PETROLEUM
- DUNLAP TOWING
- 1947
■ 1955
DATES FEATURE OBSERVED IN HISTORICAL DOCUMENTS

NOTES:

1. PARCELS LAYER FROM SNOHOMISH COUNTY, FTP://FTP.SNOCO.ORG
2. MAY 13 2018 AERIAL FROM GOOGLE EARTH PRO.
3. MAP SHOWS APPROXIMATE LOCATIONS OF SURFACE FEATURES EVIDENT IN HISTORICAL AERIAL PHOTOS AND MAPS FROM 1930 THROUGH 1993. DATES ABOVE INDICATE DATE OF IMAGE OR AERIAL PHOTO IN WHICH FEATURE WAS OBSERVED, NOT NECESSARILY DATE FEATURE WAS CONSTRUCTED.

PSO5 PUGET SOUND
OUTFALL 5 OVERFLOW
STRUCTURE PROJECT



SCALE IN FEET

CLIENT
**EXXONMOBIL AND
AMERICAN DISTRIBUTION COMPANY**

**Wood Environment &
Infrastructure Solutions, Inc.**
600 University Street, Suite 600
Seattle, Washington 98101



PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
**FEATURES EVIDENT IN HISTORICAL
DOCUMENTS AND AERIAL PHOTOS**

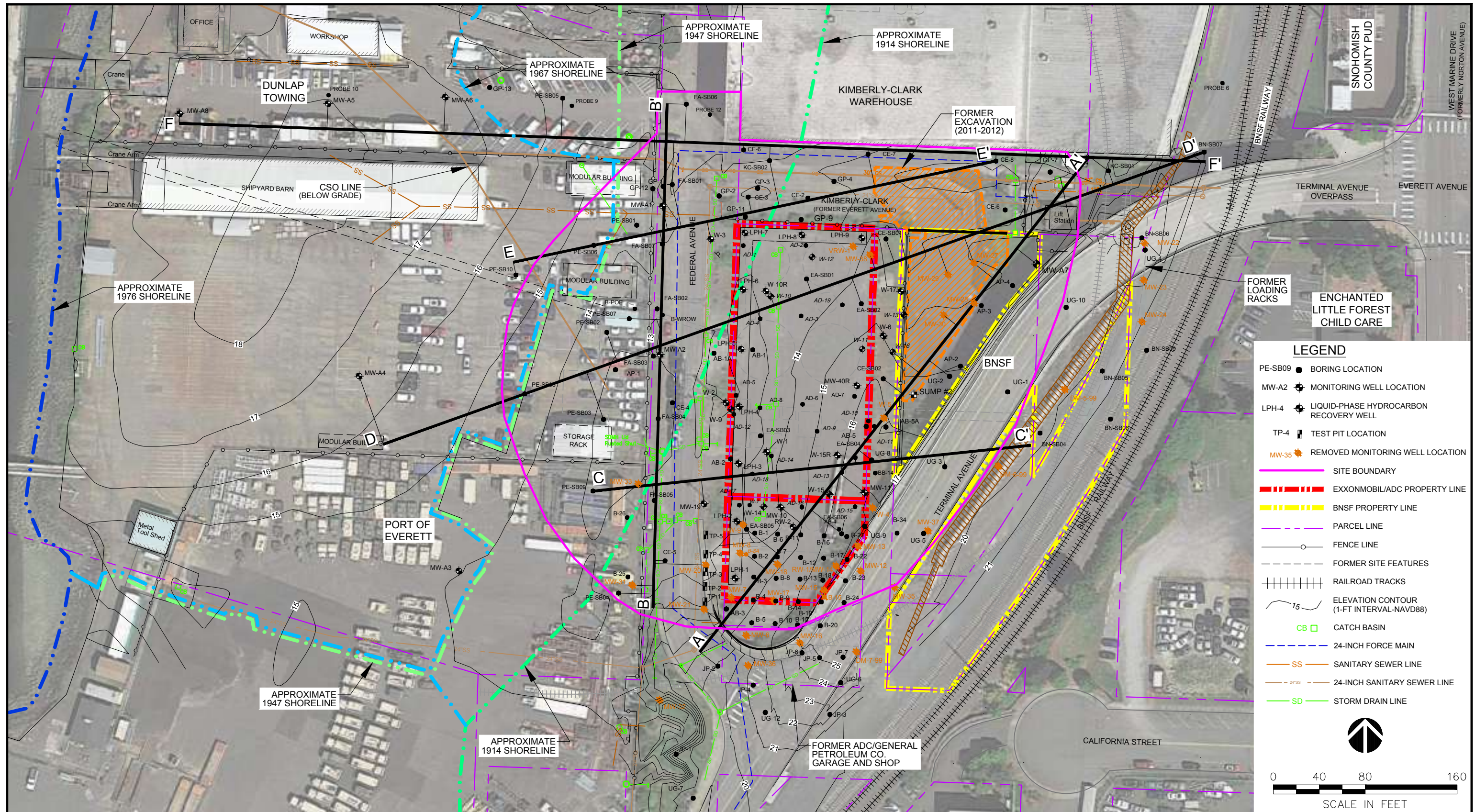

DATE
SEPTEMBER 2018

PROJECT NO.
6103180009

REV NO.
1

FIGURE No.
2-6

DRAWN BY: APS CHECKED BY: LV

CLIENT:

**EXXONMOBIL
AMERICAN DISTRIBUTING CO.**

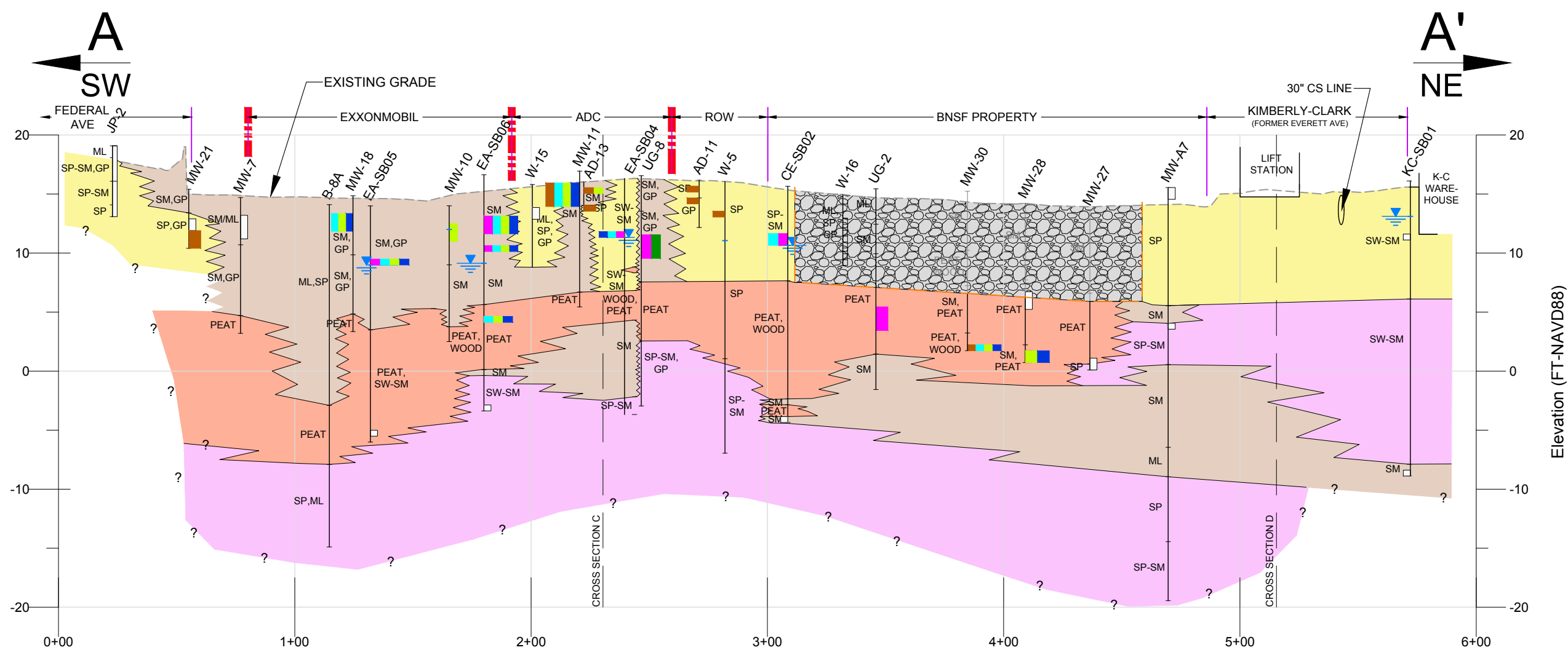
Wood Environment &
Infrastructure Solutions, Inc.
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
**HISTORICAL EXPLORATIONS AND
LOCATIONS OF GEOLOGIC CROSS SECTIONS**

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
2-7



CROSS SECTION A-A'

KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL
- ENGINEERED FILL (QUARRY SPALLS)

ABBREVIATIONS

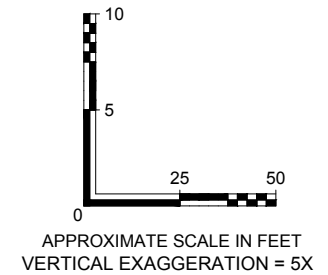
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

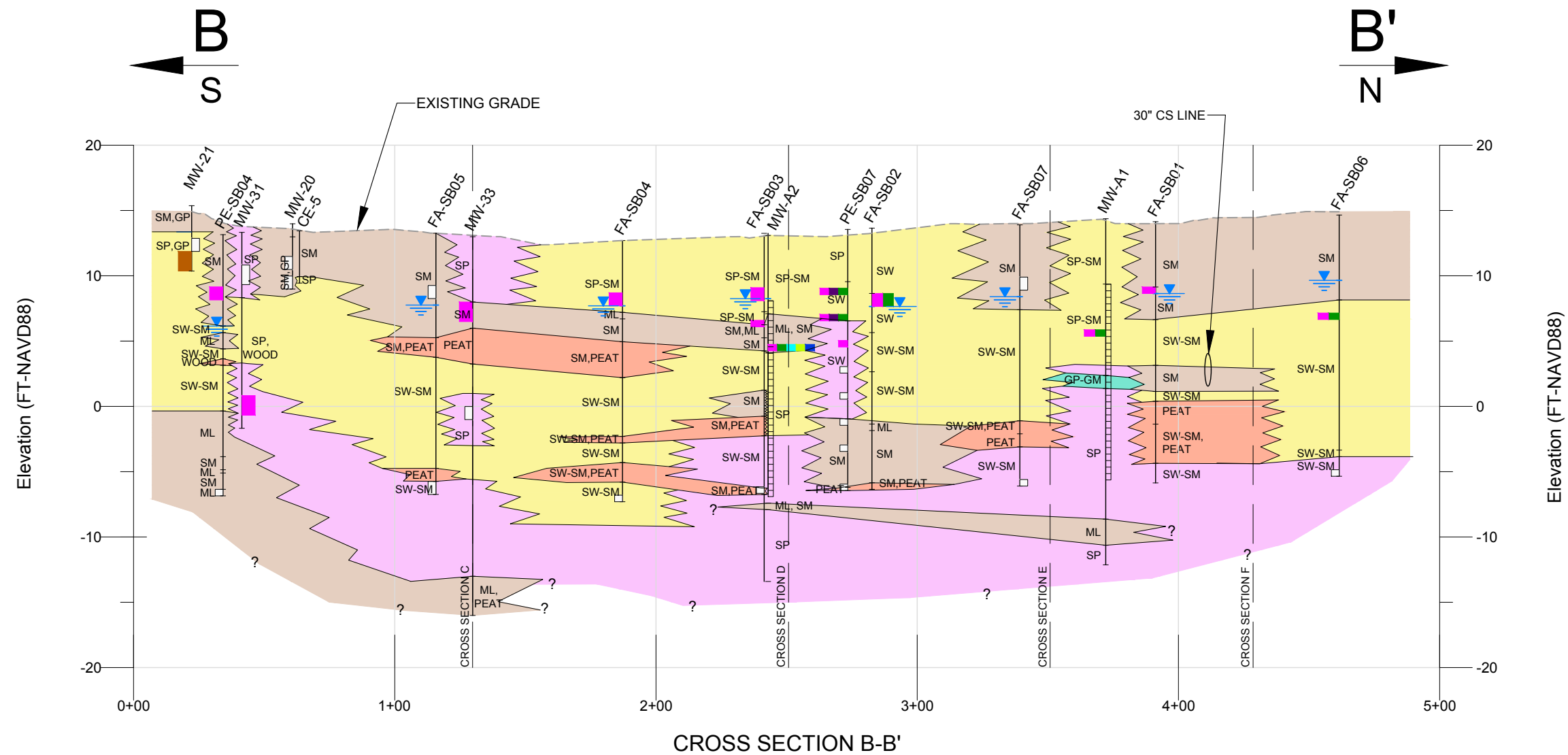
- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS CHK'D BY: LV DATUM: NAD 83 N FT PROJECTION: WASP SCALE: AS SHOWN	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018 PROJECT NO: 6103180009
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	TITLE CROSS SECTION A-A'	REV. NO.: FIGURE No. 2-8	



KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL

ABBREVIATIONS

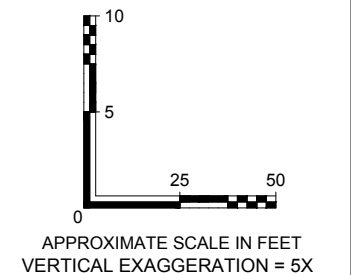
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



CLIENT:
**EXXONMOBIL
AMERICAN DISTRIBUTING CO.**

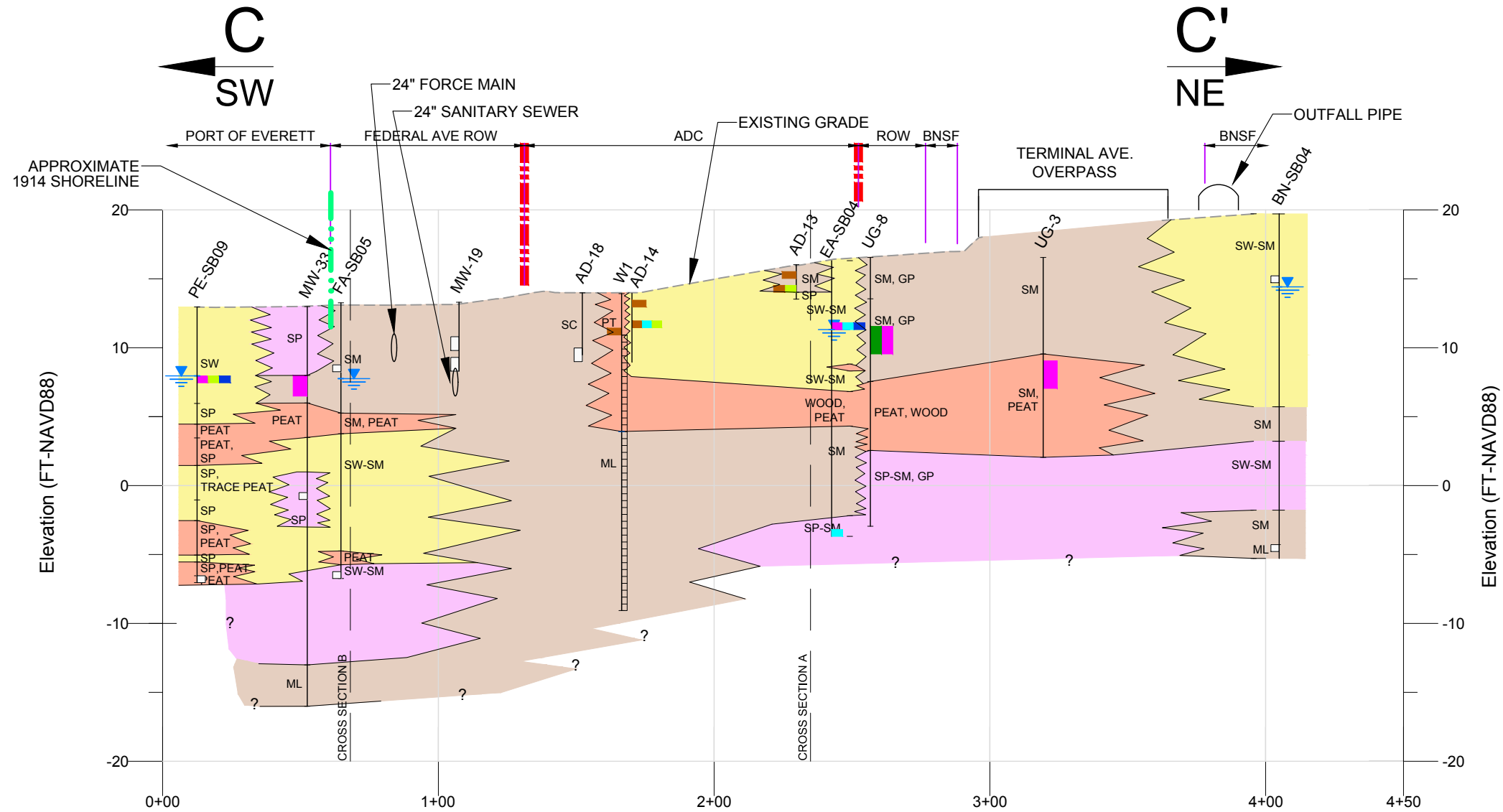
**Wood Environment &
Infrastructure Solutions, Inc.**
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
CROSS SECTION B-B'

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
2-9



KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL
- ENGINEERED FILL (QUARRY SPALLS)

ABBREVIATIONS

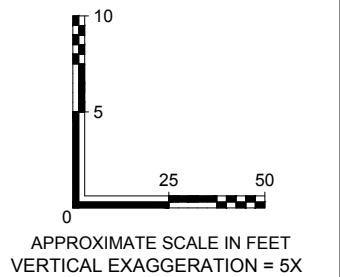
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



CROSS SECTION C-C'



CLIENT:
**EXXONMOBIL
AMERICAN DISTRIBUTING CO.**

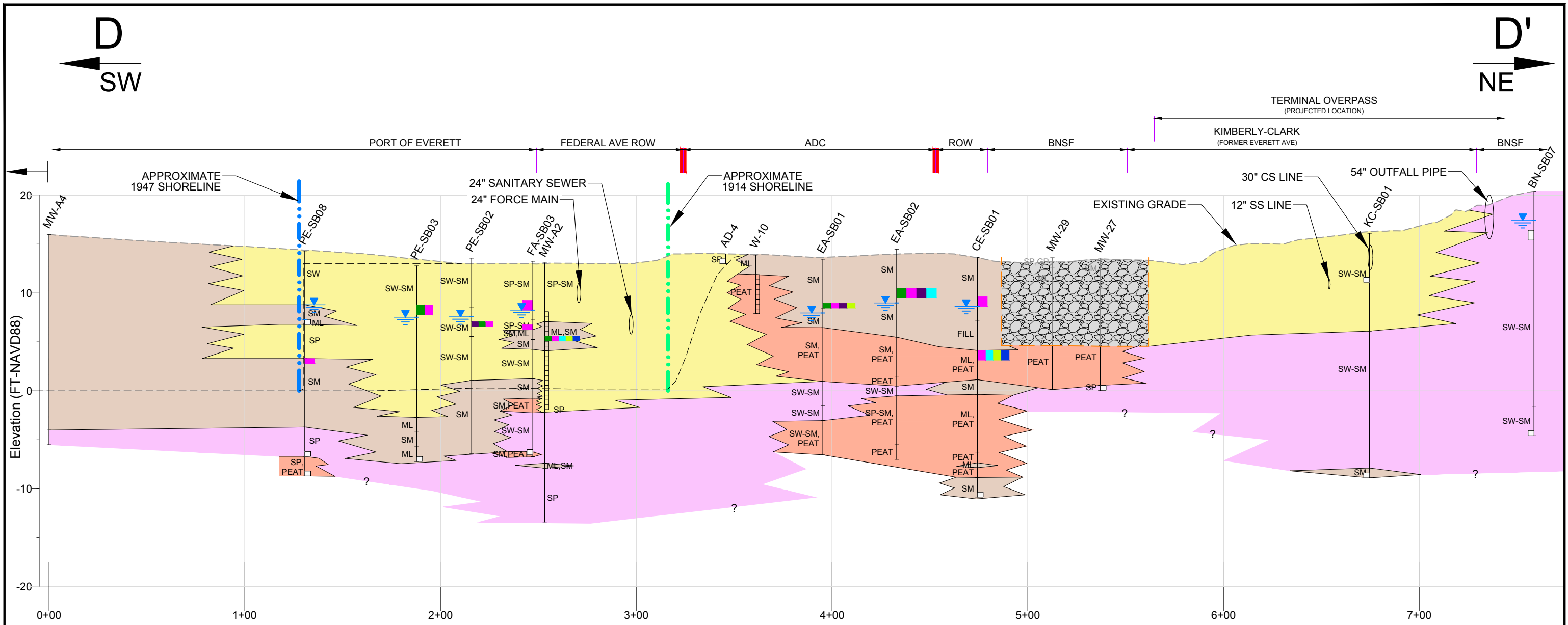
Wood Environment &
Infrastructure Solutions, Inc.
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
CROSS SECTION C-C'

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
2-10



CROSS SECTION D-D'

KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL
- ENGINEERED FILL (QUARRY SPALLS)

ABBREVIATIONS

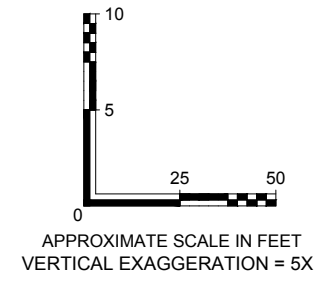
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

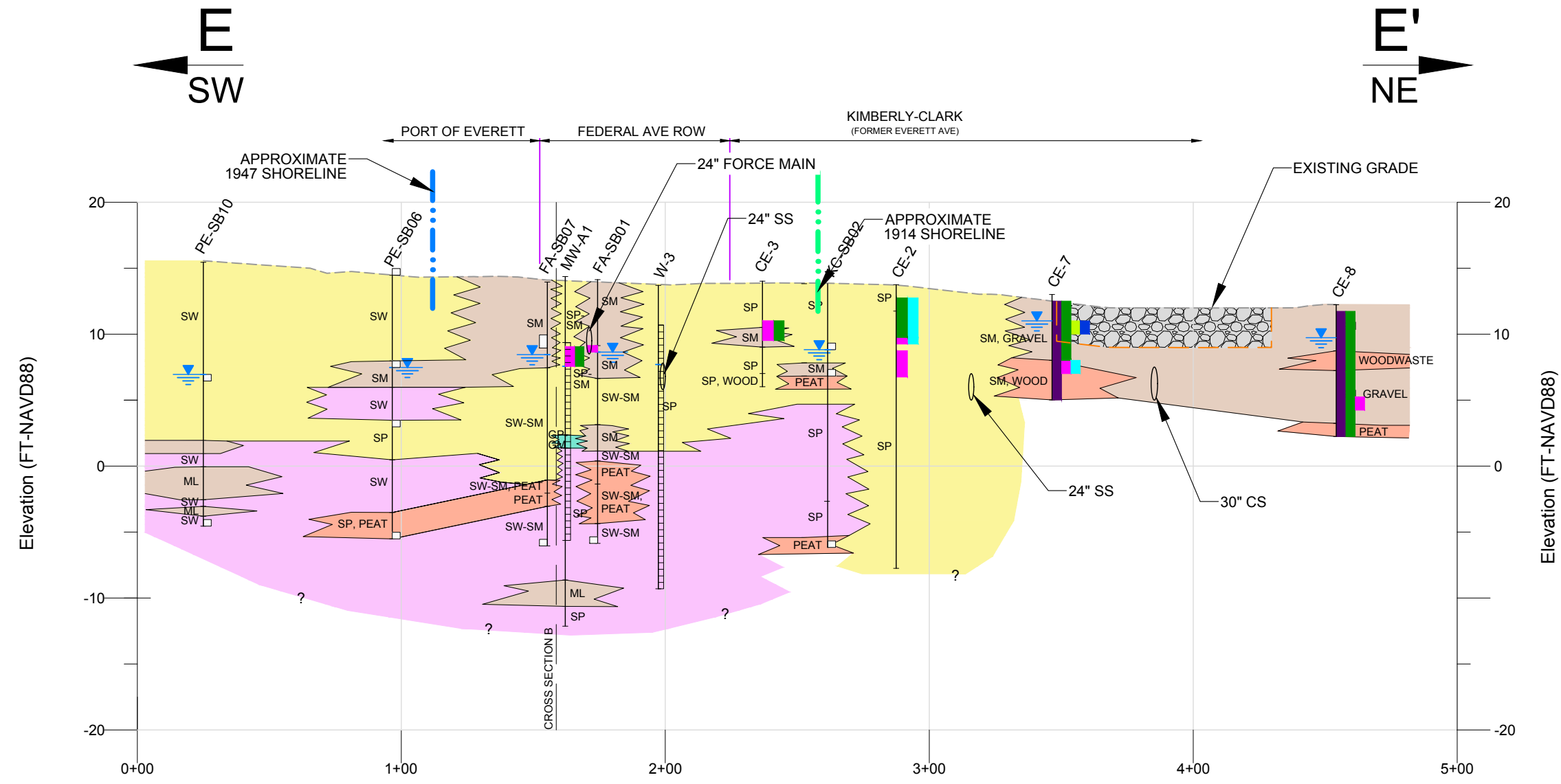
- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	CHK'D BY: LV		TITLE CROSS SECTION D-D'
		DATUM: NAD 83 N FT		REV. NO.:
		PROJECTION: WASP		FIGURE No. 2-11
		SCALE: AS SHOWN		



CROSS SECTION E-E'

KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL
- ENGINEERED FILL (QUARRY SPALLS)

ABBREVIATIONS

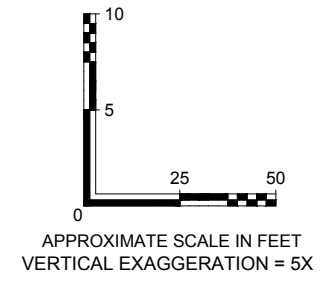
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

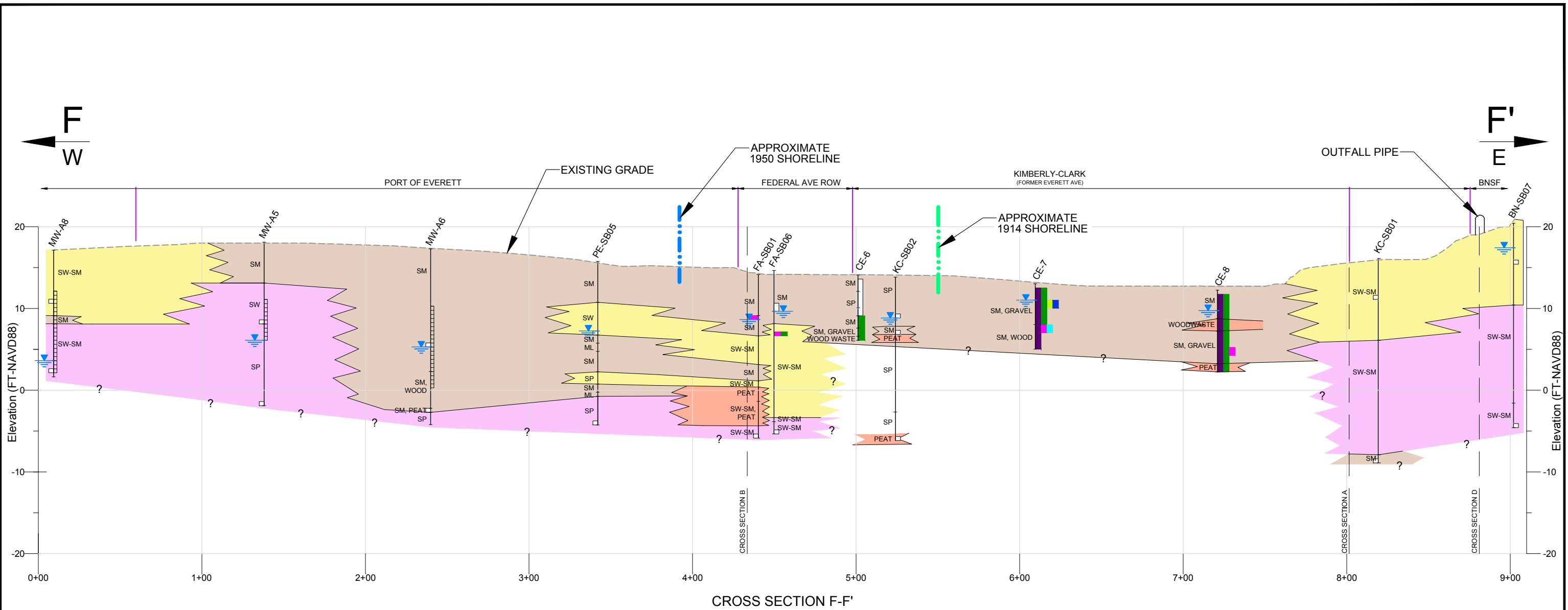
- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS CHK'D BY: LV DATUM: NAD 83 N FT PROJECTION: WASP SCALE: AS SHOWN	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018 PROJECT NO: 6103180009
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	TITLE CROSS SECTION E-E'	REV. NO.: FIGURE No. 2-12	



KEY

- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- GRAVEL

ABBREVIATIONS

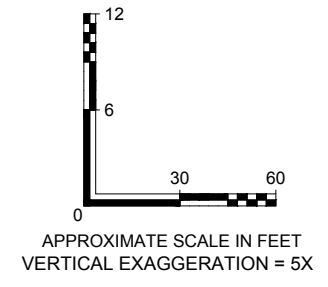
- SW WELL-GRADED SANDS
- SP POORLY GRADED SANDS
- SM SILTY SAND
- GW WELL-GRADED GRAVELS
- GP POORLY GRADED GRAVEL
- ML SILT

ANALYTES THAT EXCEEDED MTCA METHOD A CLEANUP LEVEL IN SOIL

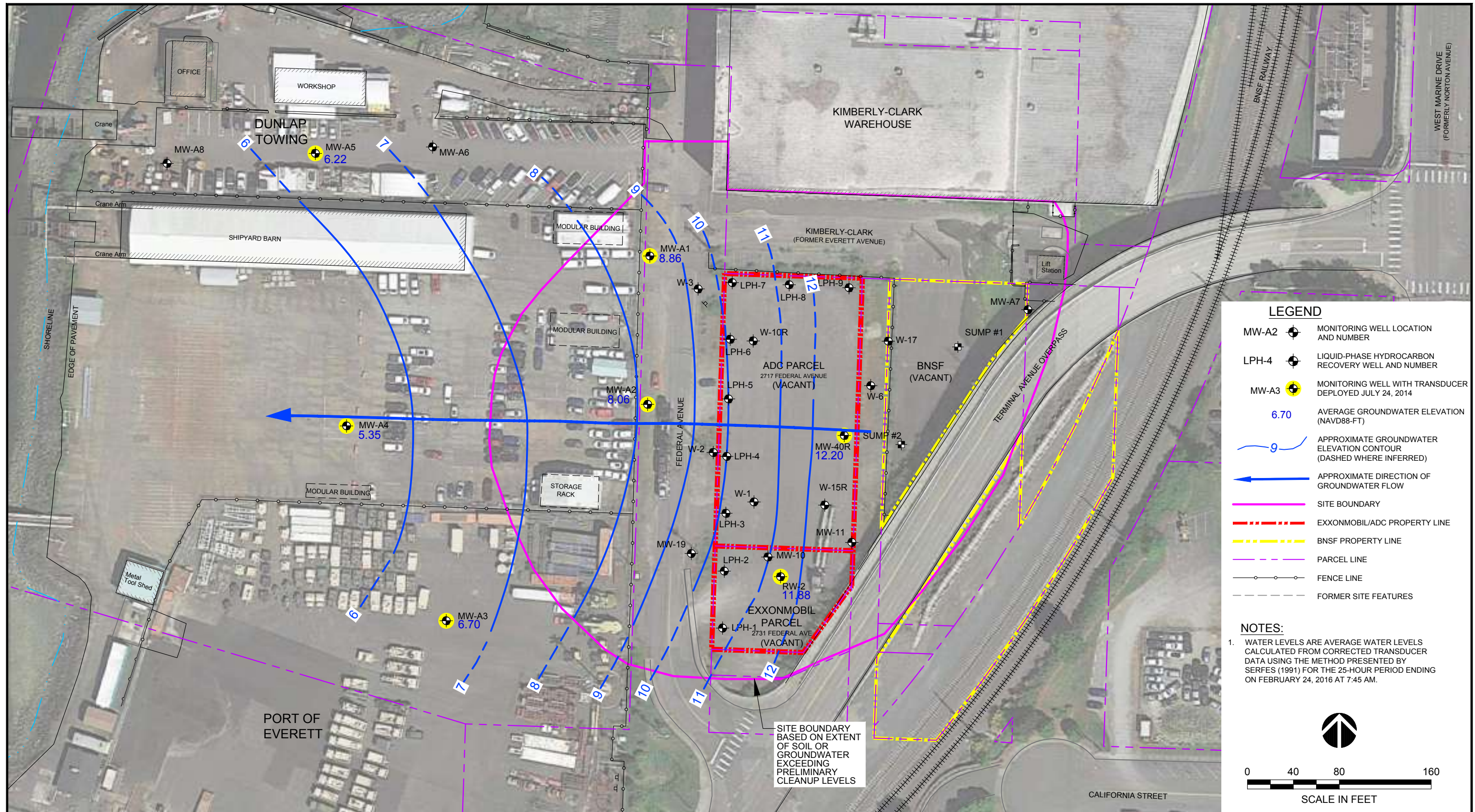
- TPH (UNDIFFERENTIATED)
- TPH-DIESEL
- TPH-GASOLINE
- TPH-OIL
- BENZENE
- ETHYLBENZENE
- TOTAL XYLENES
- WATER LEVEL

SAMPLE LOCATION WITH NO DETECTIONS EXCEEDING CLEANUP LEVEL

NOTE:
LOCATIONS WITH DETECTIONS EXCEEDING CLEANUP LEVEL WERE SAMPLED FOR EACH ANALYTE; ONLY ANALYTES EXCEEDING CLEANUP LEVEL ARE INDICATED.



	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS CHK'D BY: LV DATUM: NAD 83 N FT PROJECTION: WASP SCALE: AS SHOWN	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	TITLE CROSS SECTION F-F'	PROJECT NO: 6103180009	REV. NO.: FIGURE No. 2-13



LEGEND

- MW-A2 MONITORING WELL LOCATION AND NUMBER
- LPH-4 LIQUID-PHASE HYDROCARBON RECOVERY WELL AND NUMBER
- MW-A3 MONITORING WELL WITH TRANSDUCER DEPLOYED JULY 24, 2014
- 6.70 AVERAGE GROUNDWATER ELEVATION (NAVD88-FT)
- APPROXIMATE GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- SITE BOUNDARY
- EXXONMOBIL/ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- FORMER SITE FEATURES

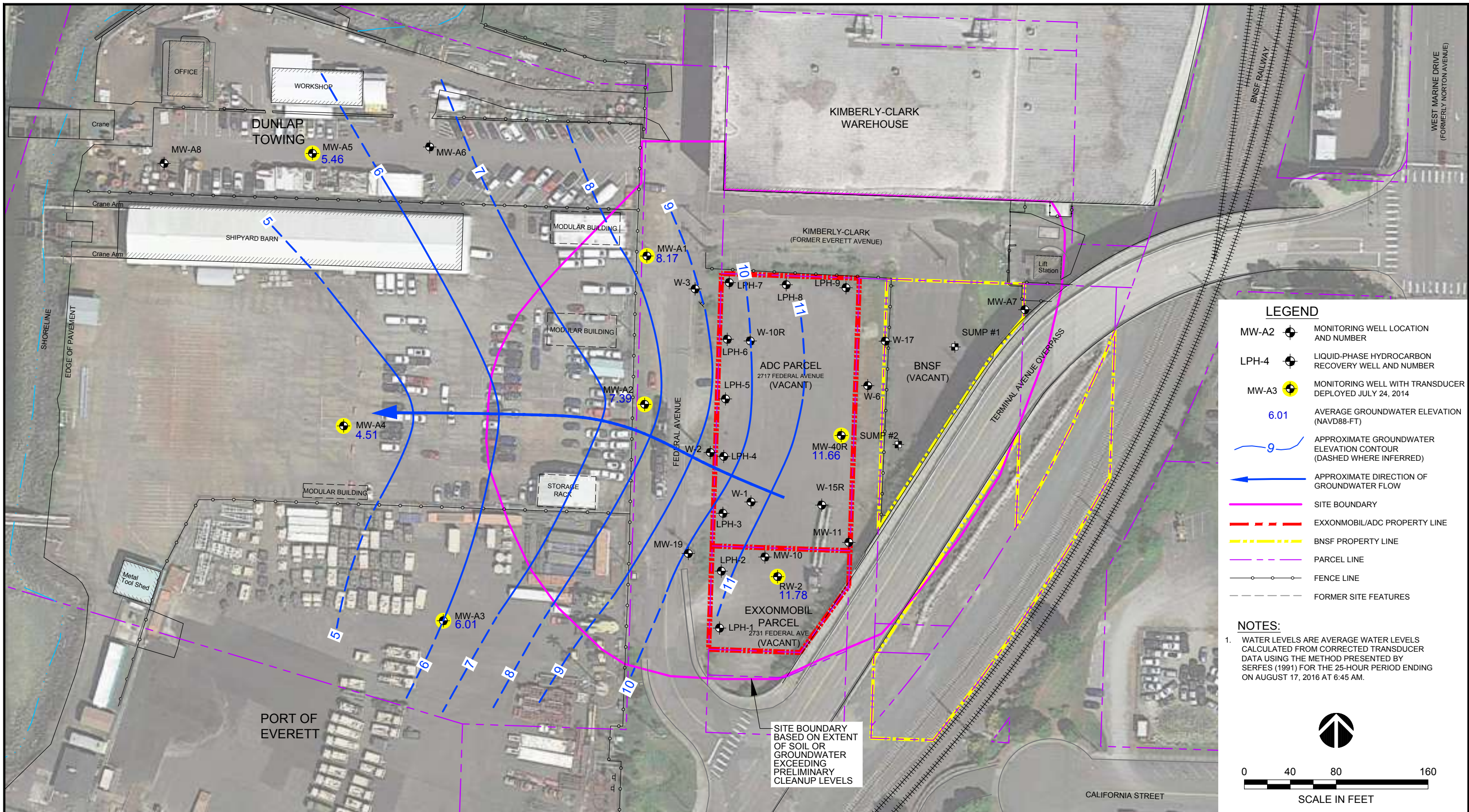
NOTES:

1. WATER LEVELS ARE AVERAGE WATER LEVELS CALCULATED FROM CORRECTED TRANSDUCER DATA USING THE METHOD PRESENTED BY SERFES (1991) FOR THE 25-HOUR PERIOD ENDING ON FEBRUARY 24, 2016 AT 7:45 AM.

0 40 80 160

SCALE IN FEET

	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	CHK'D BY: LV	TITLE GROUNDWATER ELEVATION AND FLOW DIRECTION FEBRUARY 23 & 24, 2016	PROJECT NO: 6103180009
		DATUM: NAD 83 N FT		REV. NO.:
		PROJECTION: WASP		FIGURE No. 2-14
		SCALE: AS SHOWN		



LEGEND

- MW-A2 MONITORING WELL LOCATION AND NUMBER
- LPH-4 LIQUID-PHASE HYDROCARBON RECOVERY WELL AND NUMBER
- MW-A3 MONITORING WELL WITH TRANSDUCER DEPLOYED JULY 24, 2014
- 6.01 AVERAGE GROUNDWATER ELEVATION (NAVD88-FT)
- APPROXIMATE GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- SITE BOUNDARY
- EXXONMOBIL/ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- FORMER SITE FEATURES

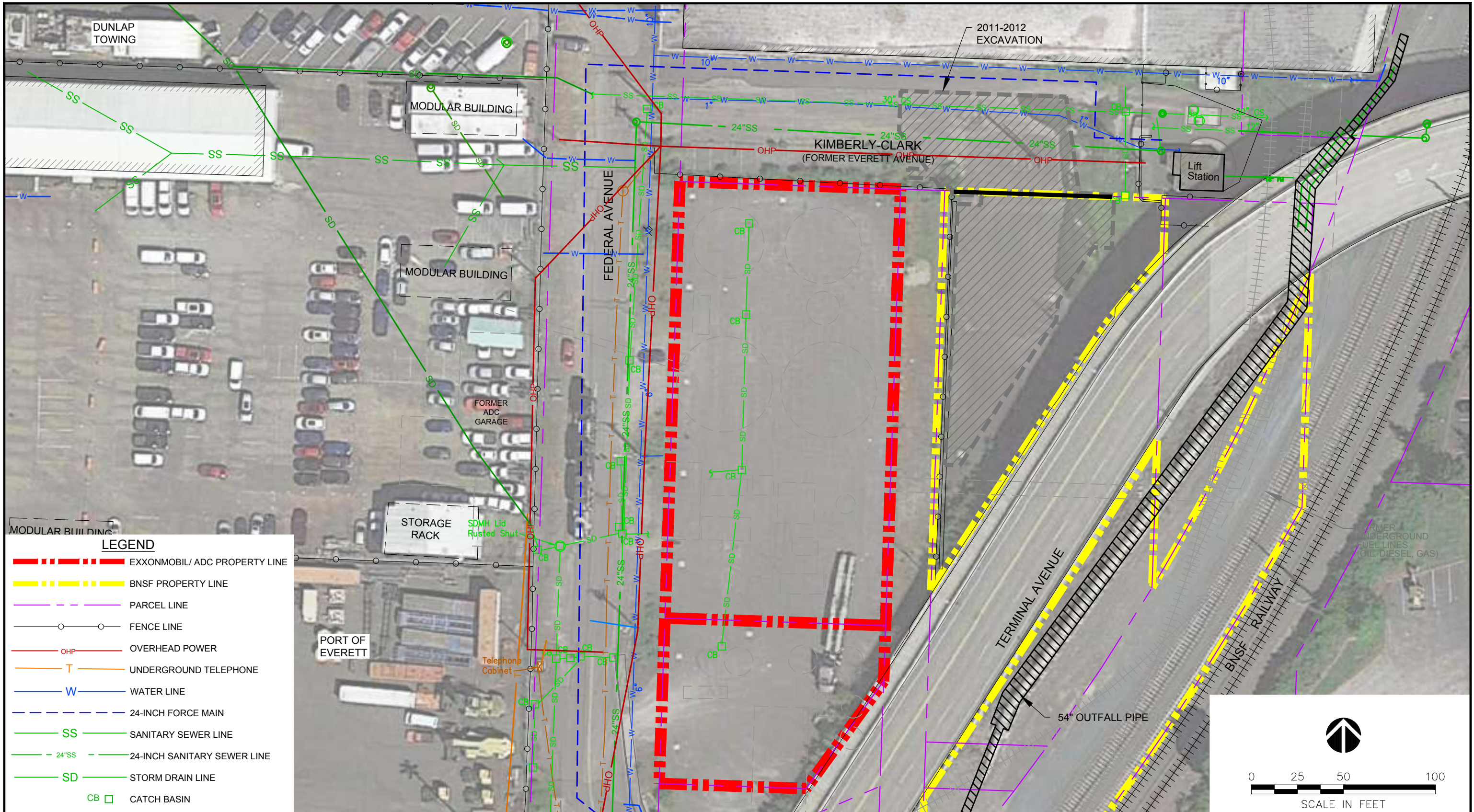
NOTES:

1. WATER LEVELS ARE AVERAGE WATER LEVELS CALCULATED FROM CORRECTED TRANSDUCER DATA USING THE METHOD PRESENTED BY SERFES (1991) FOR THE 25-HOUR PERIOD ENDING ON AUGUST 17, 2016 AT 6:45 AM.

0 40 80 160

SCALE IN FEET

	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	CHK'D BY: LV	TITLE GROUNDWATER ELEVATION AND FLOW DIRECTION AUGUST 17, 2016	PROJECT NO: 6103180009
		DATUM: NAD 83 N FT		REV. NO.:
		PROJECTION: WASP		FIGURE No. 2-15
		SCALE: AS SHOWN		



LEGEND

	EXXONMOBIL/ ADC PROPERTY LINE
	BNSF PROPERTY LINE
	PARCEL LINE
	FENCE LINE
	OVERHEAD POWER
	UNDERGROUND TELEPHONE
	WATER LINE
	24-INCH FORCE MAIN
	SANITARY SEWER LINE
	24-INCH SANITARY SEWER LINE
	STORM DRAIN LINE
	CATCH BASIN



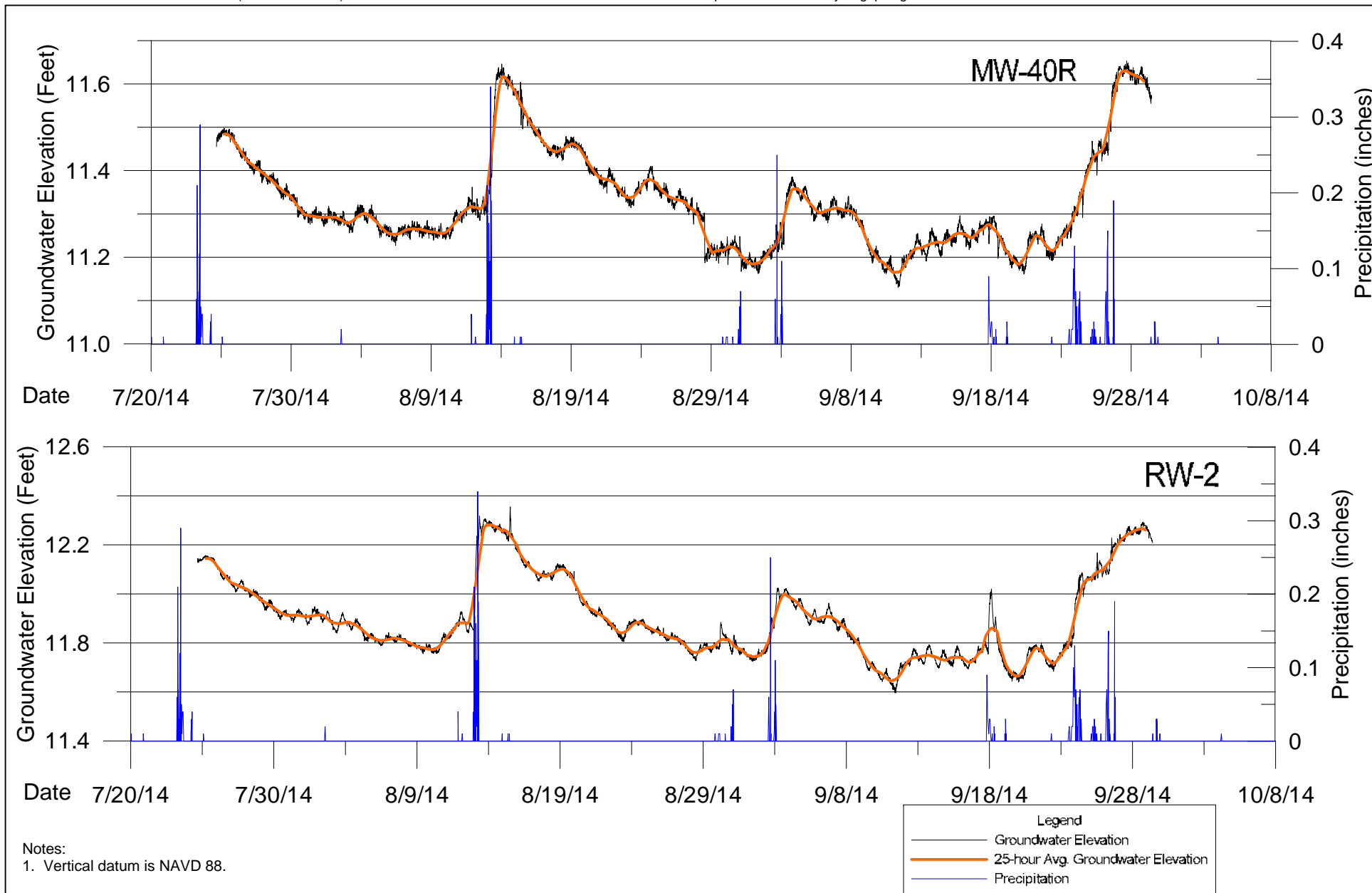
wood.

CLIENT:
**EXXONMOBIL
 AMERICAN DISTRIBUTING CO.**
 Wood Environment &
 Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: LV
 DATUM: NAD 83 N FT
 PROJECTION: WASP
 SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
 ECOLOGY SITE ID 2728**
 TITLE
UTILITY LOCATION PLAN

DATE:
 SEPTEMBER 2018
 PROJECT NO:
 6103180009
 REV. NO.:
 FIGURE No.
 2-16



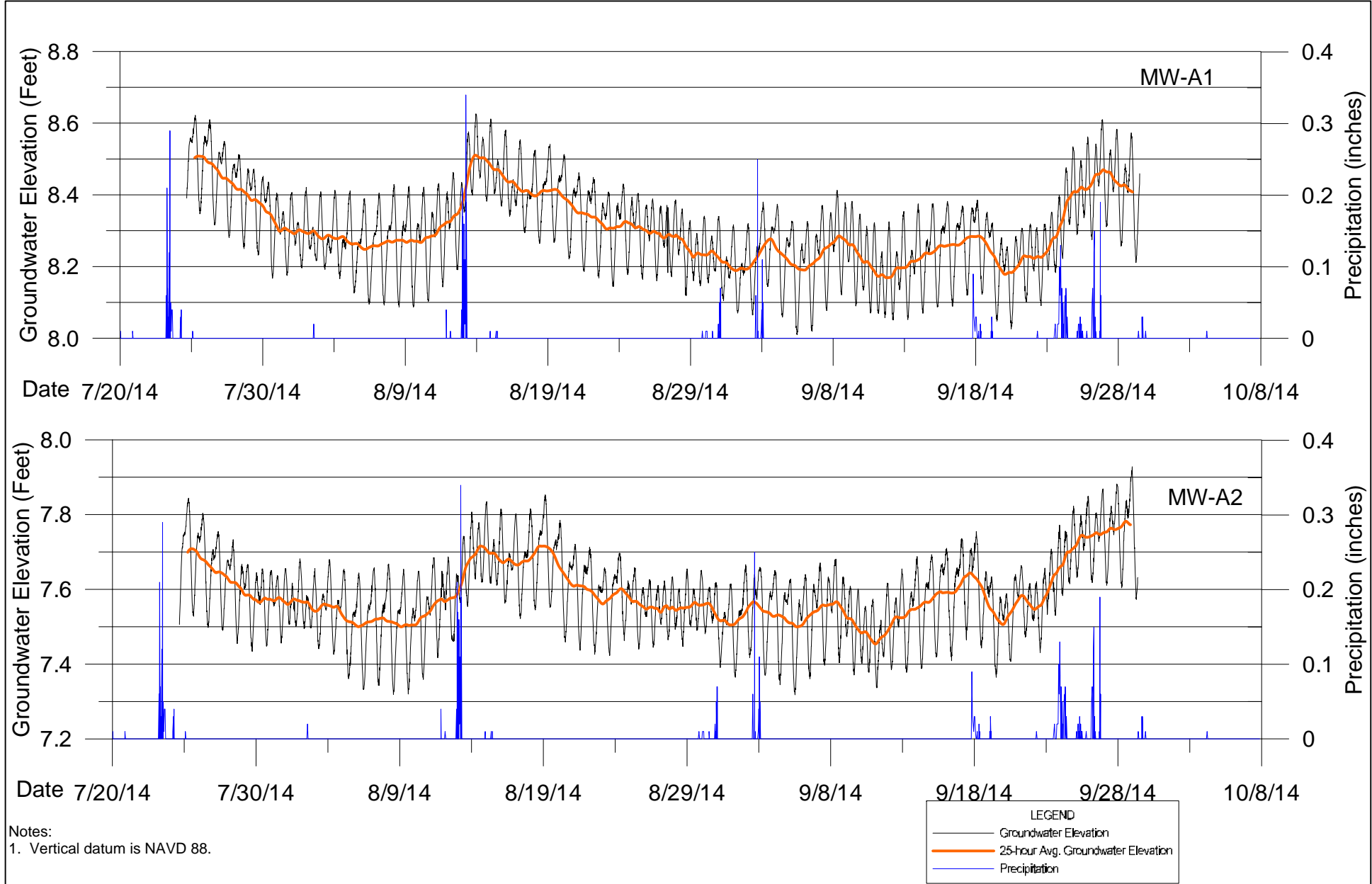
GROUNDWATER HYDROGRAPHS: WELLS MW-40R AND RW-2
 ExxonMobil/ADC Site
 Everett, Washington

Prepared By:
 JB

Project No.
 6103140009

10/10/14

Figure 2-17



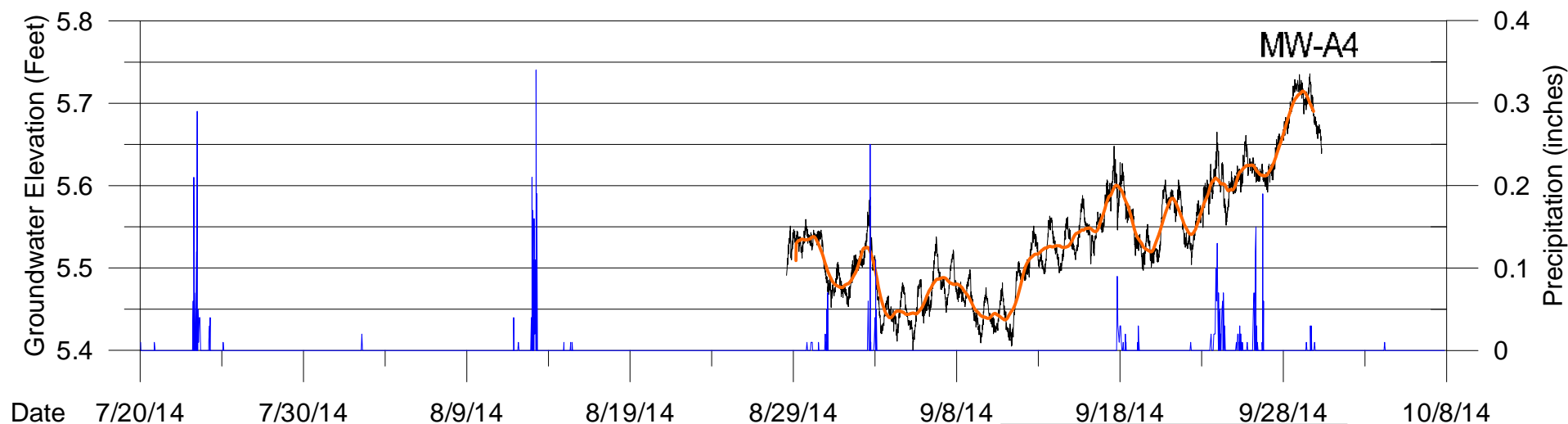
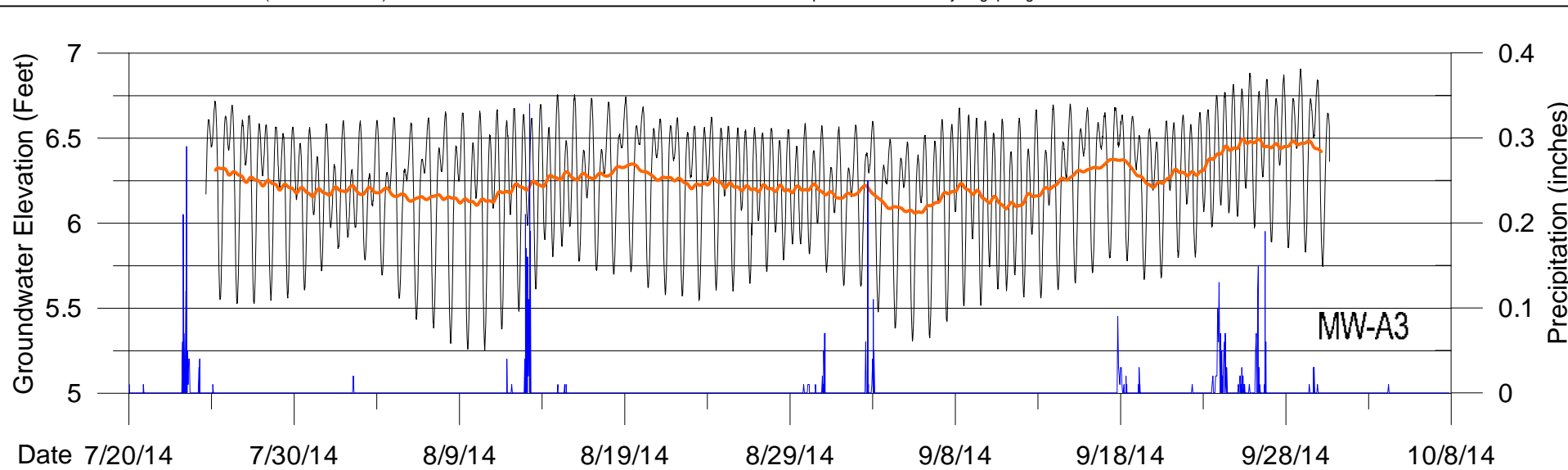
GROUNDWATER HYDROGRAPHS: WELLS MW-A1 AND MW-A2
 ExxonMobil/ADC Site
 Everett, Washington

Prepared By:
JB

Project No.
6103140009

10/10/14

Figure 2-18



Notes:
1. Vertical datum is NAVD 88.

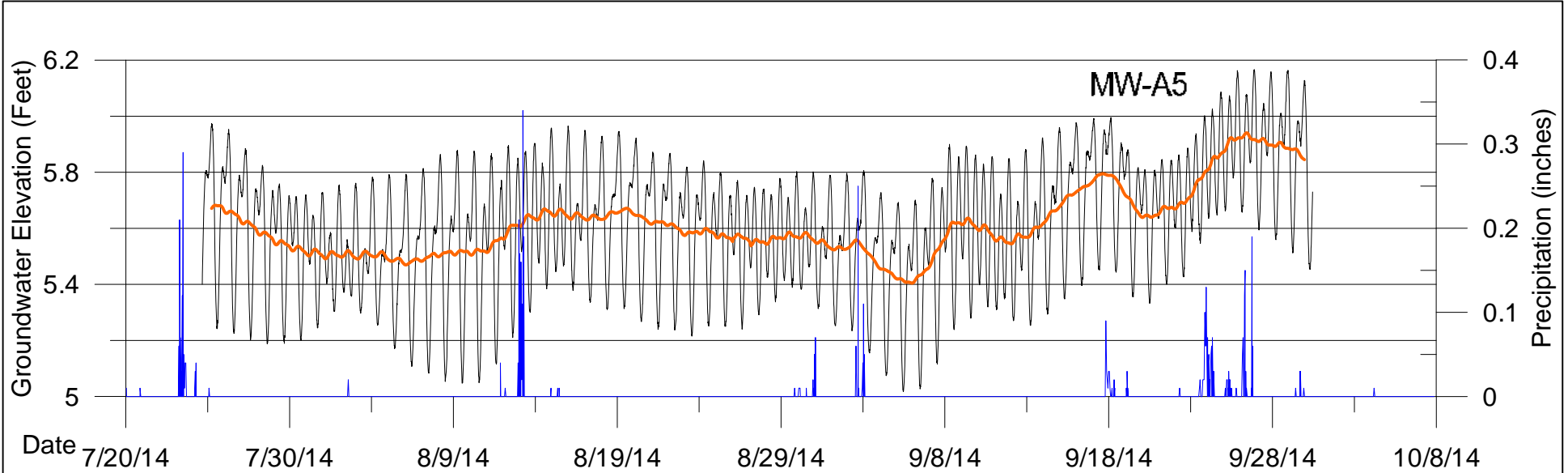
Legend	
	Groundwater Elevation
	25-Hour Avg. Groundwater Elevation
	Precipitation



GROUNDWATER HYDROGRAPHS: WELLS MW-A3 AND MW-A4
ExxonMobil/ADC Site
Everett, Washington




Prepared By:
JB
10/10/14


Project No.
6103140009
Figure 2-19

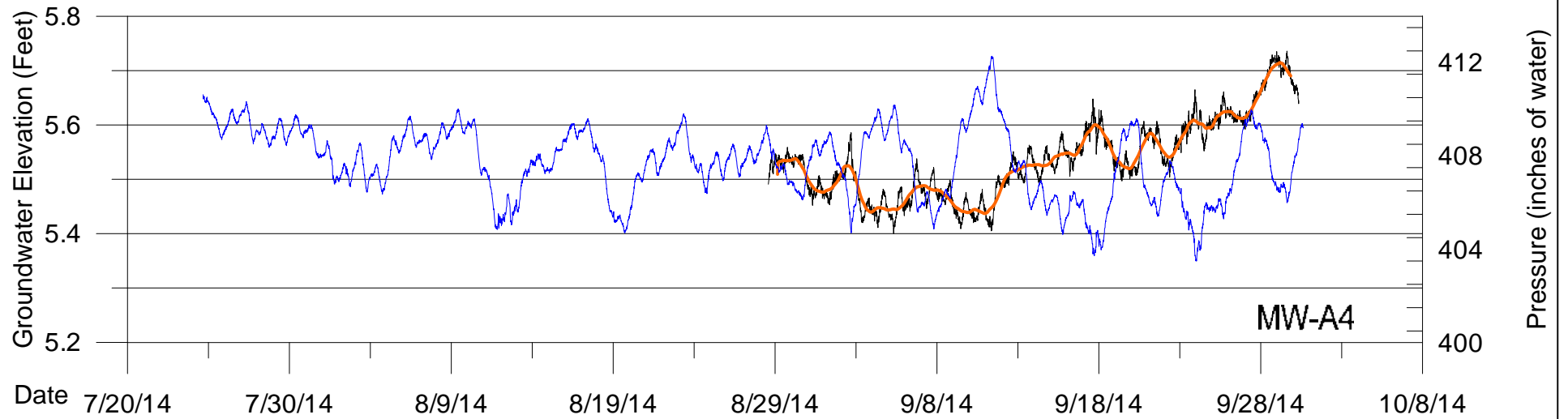


Date




Notes:
1. Vertical datum is NAVD 88.

Legend	
	Groundwater Elevation
	25-Hour Avg. Groundwater Elevation
	Precipitation

	GROUNDWATER HYDROGRAPHS: WELL MW-A5 ExxonMobil/ADC Site Everett, Washington	Prepared By: JB	Project No. 6103140009
			10/10/14



Notes:
1. Vertical datum is NAVD 88.

Legend	
	Groundwater Elevation
	25-Hour Avg. Groundwater Elevation
	Pressure (inches of water)



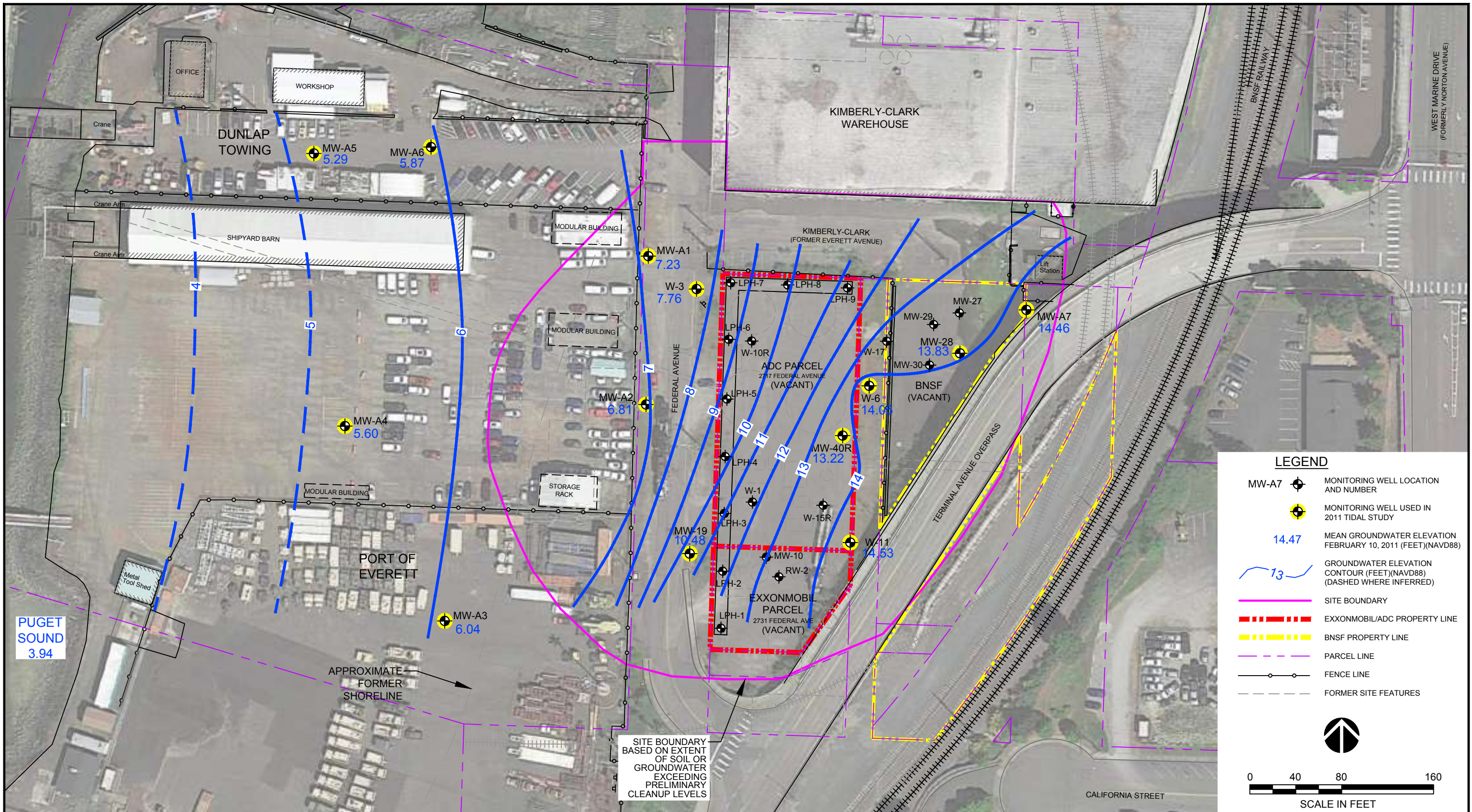
PLOT OF ATMOSPHERIC PRESSURE AND
GROUNDWATER HYDROGRAPH FOR MW-A4
ExxonMobil/ADC Everett, Washington

Prepared By:
JB

Project No.
6103140009

10/10/14

Figure 2-21



PUGET SOUND
3.94

APPROXIMATE FORMER SHORELINE

SITE BOUNDARY BASED ON EXTENT OF SOIL OR GROUNDWATER EXCEEDING PRELIMINARY CLEANUP LEVELS

LEGEND

- MW-A7 MONITORING WELL LOCATION AND NUMBER
- MONITORING WELL USED IN 2011 TIDAL STUDY
- 14.47 MEAN GROUNDWATER ELEVATION FEBRUARY 10, 2011 (FEET)(NAVD88)
- 7.3 GROUNDWATER ELEVATION CONTOUR (FEET)(NAVD88) (DASHED WHERE INFERRED)
- SITE BOUNDARY
- EXXONMOBIL/ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- FORMER SITE FEATURES

0 40 80 160
SCALE IN FEET

SOURCE: Base map modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolutions, Inc.

NOTE:
AVERAGE WATER LEVELS WERE CALCULATED FROM AUTOMATED WATER LEVEL MEASUREMENTS RECORDED BY TRANSDUCERS USING THE METHOD PRESENTED BY SERFES FOR THE MEDIAN TIME AT HOUR 36 OF THE TIDAL STUDY, WHICH CORRESPONDS TO 3:00 AM ON FEBRUARY 10, 2011.



CLIENT:

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DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

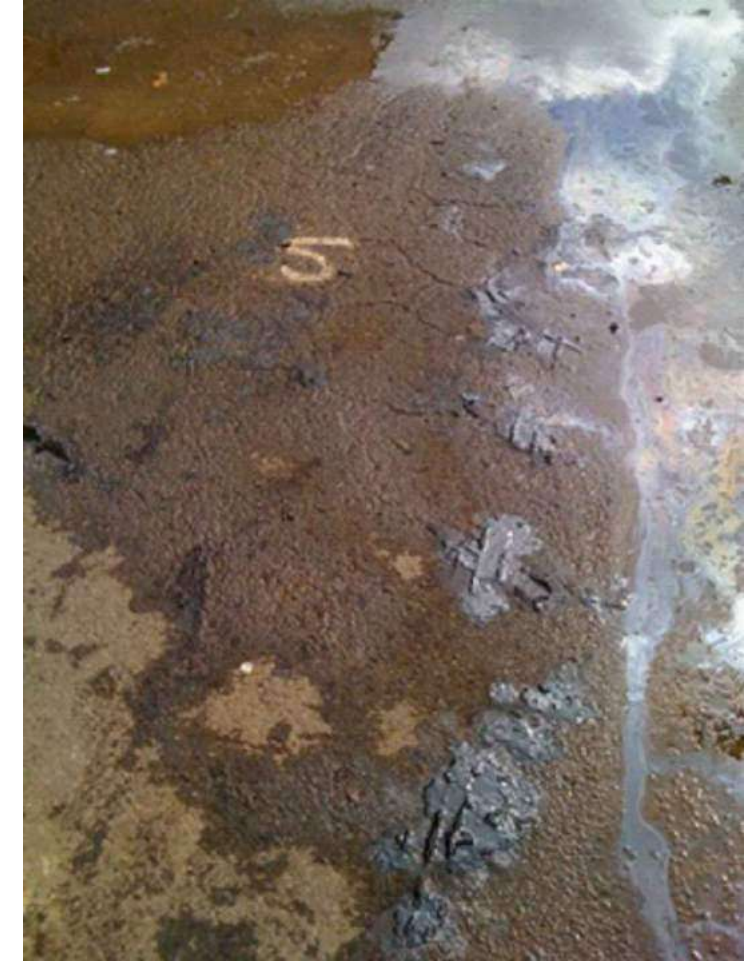
TITLE
**MEAN GROUNDWATER ELEVATIONS
FEBRUARY 2011**

DATE:
SEPTEMBER 2018

PROJECT NO:
6103180009

REV. NO.:

FIGURE No.
3-1



CLIENT:
**EXXONMOBIL
 AMERICAN DISTRIBUTING CO.**

**Wood Environment &
 Infrastructure Solutions, Inc.**
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 Seattle, WA, U.S.A. 98101

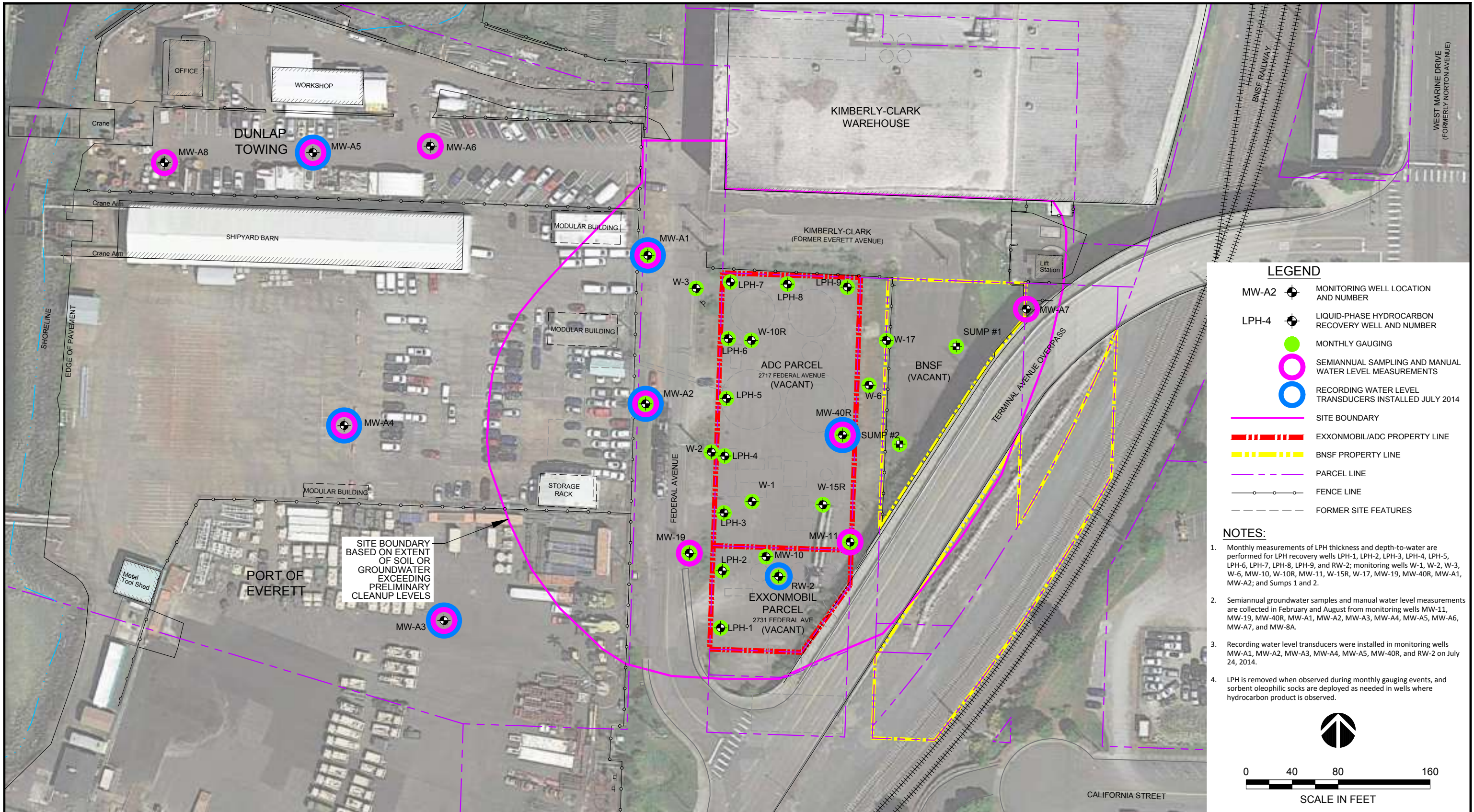
DWN BY: APS
 CHK'D BY: LV/AS/MS
 DATUM: NAD 83 N FT
 PROJECTION: WASP
 SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
 ECOLOGY SITE ID 2728**

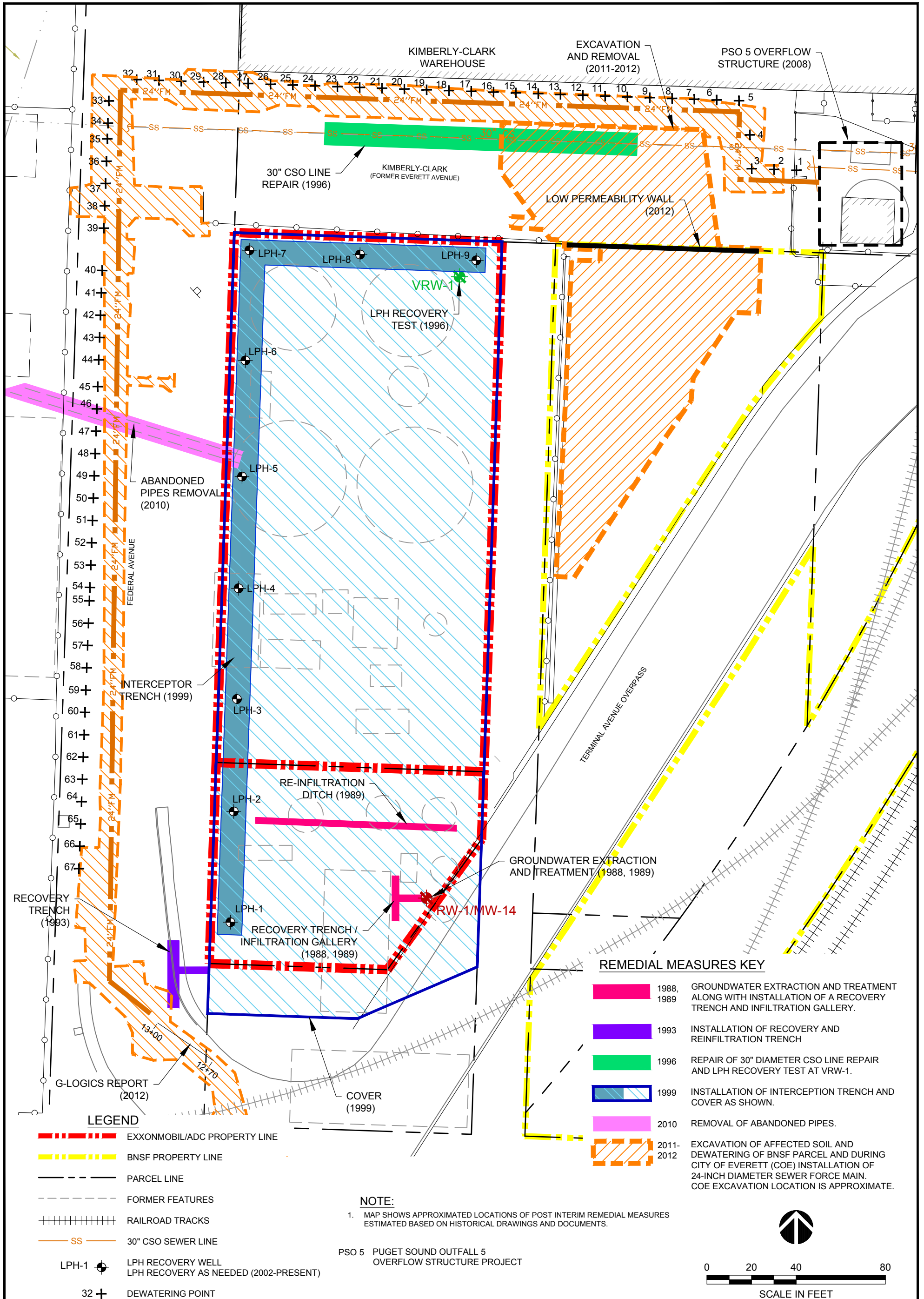
TITLE
**PHOTOGRAPHS OF EXAMPLE SEEPS
 OBSERVED ON FEDERAL AVENUE
 APRIL 28, 2011**

DATE: SEPTEMBER 2018
 PROJECT NO: 6103180009

REV. NO.:
 FIGURE No. 3-2



	CLIENT:	EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY:	APS	PROJECT	EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE:	SEPTEMBER 2018
		Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	CHK'D BY:	LV	TITLE	CURRENT GROUNDWATER MONITORING NETWORK	PROJECT NO.:	6103180009
			DATUM:	NAD 83 N FT			REV. NO.:	
			PROJECTION:	WASP			FIGURE No.	3-3
			SCALE:	AS SHOWN				



CLIENT EXXONMOBIL AND AMERICAN DISTRIBUTION COMPANY	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE SEPTEMBER 2018
		PROJECT NO. 6103180009
Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, Washington 98101	TITLE SUMMARY OF PAST INTERIM REMEDIAL MEASURES	REV NO. 1
		FIGURE No. 4-1

DRAWN BY: APS CHECKED BY: LV

FIGURE 4-2

PHOTOGRAPHS OF 2011-2012 EXCAVATION ON BNSF PROPERTY

ExxonMobil/ADC Property, Ecology Site ID 2728
Everett, Washington



FIGURE 4-3

**PHOTOGRAPHS OF SOIL AND DEBRIS FROM 2011-2012 EXCAVATION
DECEMBER, 2011**

ExxonMobil/ADC Property, Ecology Site ID 2728
Everett, Washington



FIGURE 4-4

PHOTOGRAPHS OF BARRIER WALL CONSTRUCTION ALONG BNSF PROPERTY BOUNDARY FEBRUARY, 2012

ExxonMobil/ADC Property, Ecology Site ID 2728
Everett, Washington

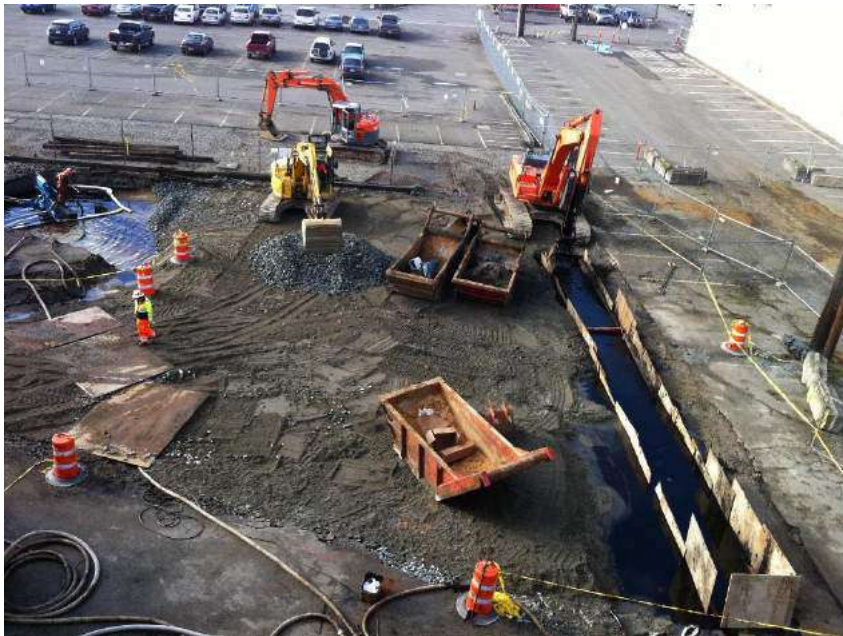


FIGURE 4-5

**PHOTOGRAPHS KC PROPERTY EXCAVATION
MARCH, 2012**

ExxonMobil/ADC Property, Ecology Site ID 2728
Everett, Washington

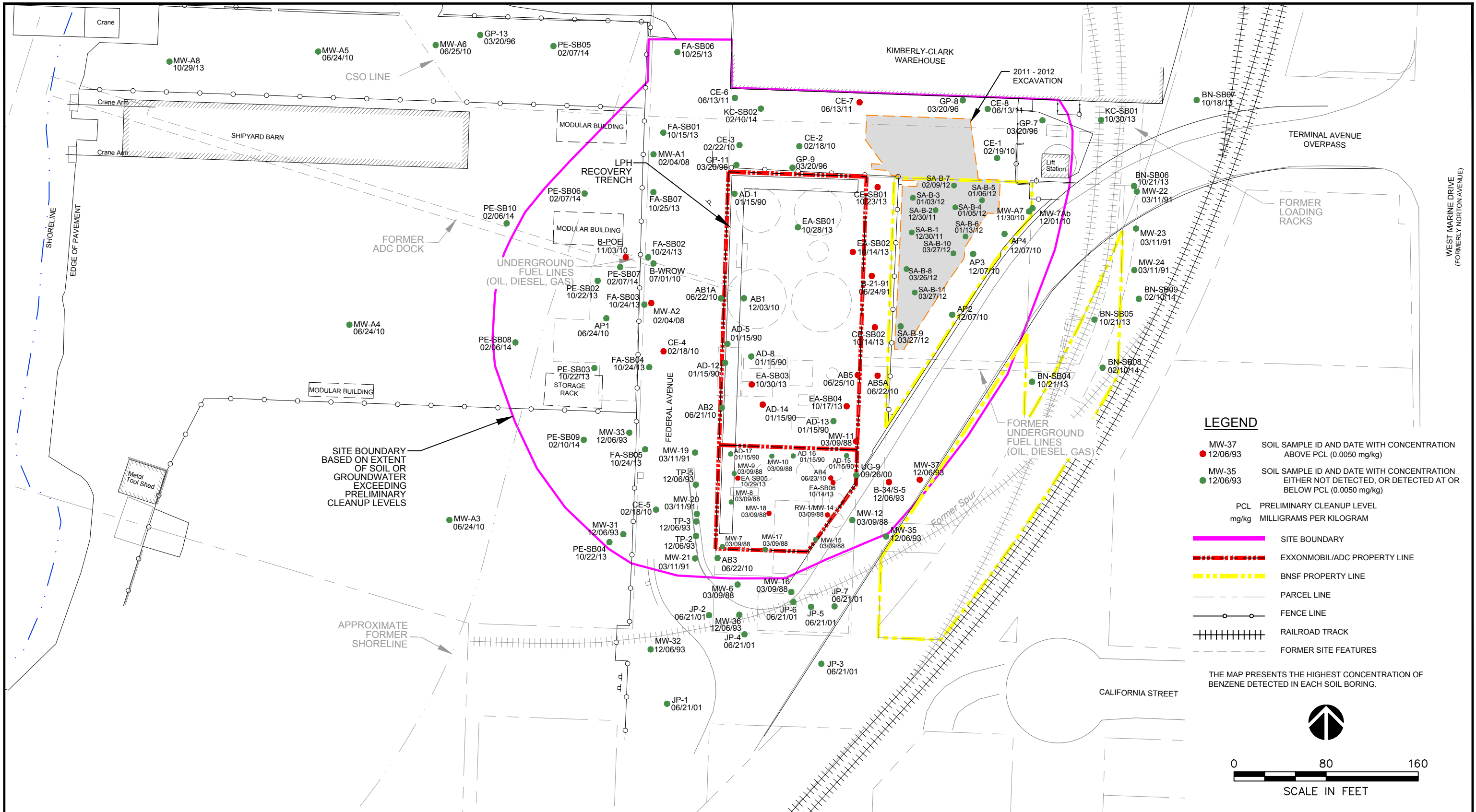


FIGURE 4-6

PHOTOGRAPHS OF BACKFILLING THE BNSF EXCAVATION JANUARY, 2012

ExxonMobil/ADC Property, Ecology Site ID 2728
Everett, Washington





LEGEND

MW-37 12/06/93 SOIL SAMPLE ID AND DATE WITH CONCENTRATION ABOVE PCL (0.0050 mg/kg)

MW-35 12/06/93 SOIL SAMPLE ID AND DATE WITH CONCENTRATION EITHER NOT DETECTED, OR DETECTED AT OR BELOW PCL (0.0050 mg/kg)

PCL PRELIMINARY CLEANUP LEVEL mg/kg MILLIGRAMS PER KILOGRAM

SITE BOUNDARY

EXXONMOBIL/ADC PROPERTY LINE

BNSF PROPERTY LINE

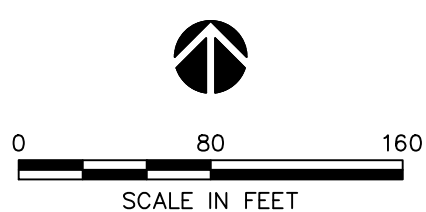
PARCEL LINE

FENCE LINE

RAILROAD TRACK

FORMER SITE FEATURES

THE MAP PRESENTS THE HIGHEST CONCENTRATION OF BENZENE DETECTED IN EACH SOIL BORING.



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



CLIENT:

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DWN BY: APS

CHK'D BY: LV

DATUM: NONE

PROJECTION: NONE

SCALE: 1" = 80'

PROJECT

EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE

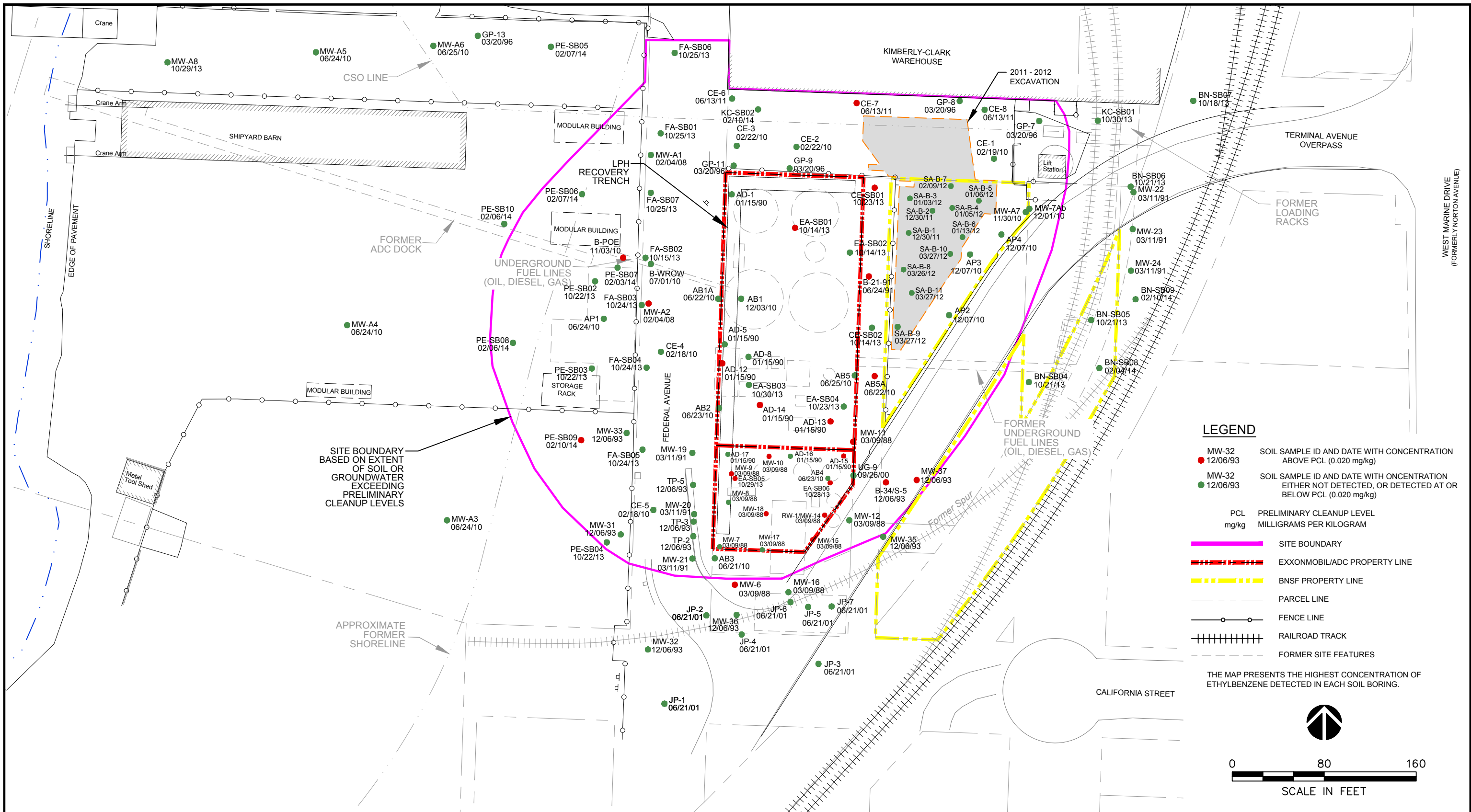
DISTRIBUTION OF BENZENE IN SOIL

DATE: SEPTEMBER 2018

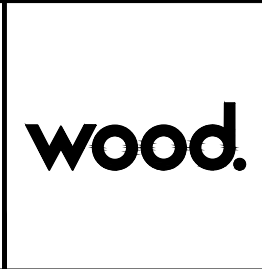
PROJECT NO: 6103180009

REV. NO.: 1

FIGURE No. 6-1



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



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DWN BY: APS
CHK'D BY: LV
DATUM: NONE
PROJECTION: NONE
SCALE: 1" = 80'

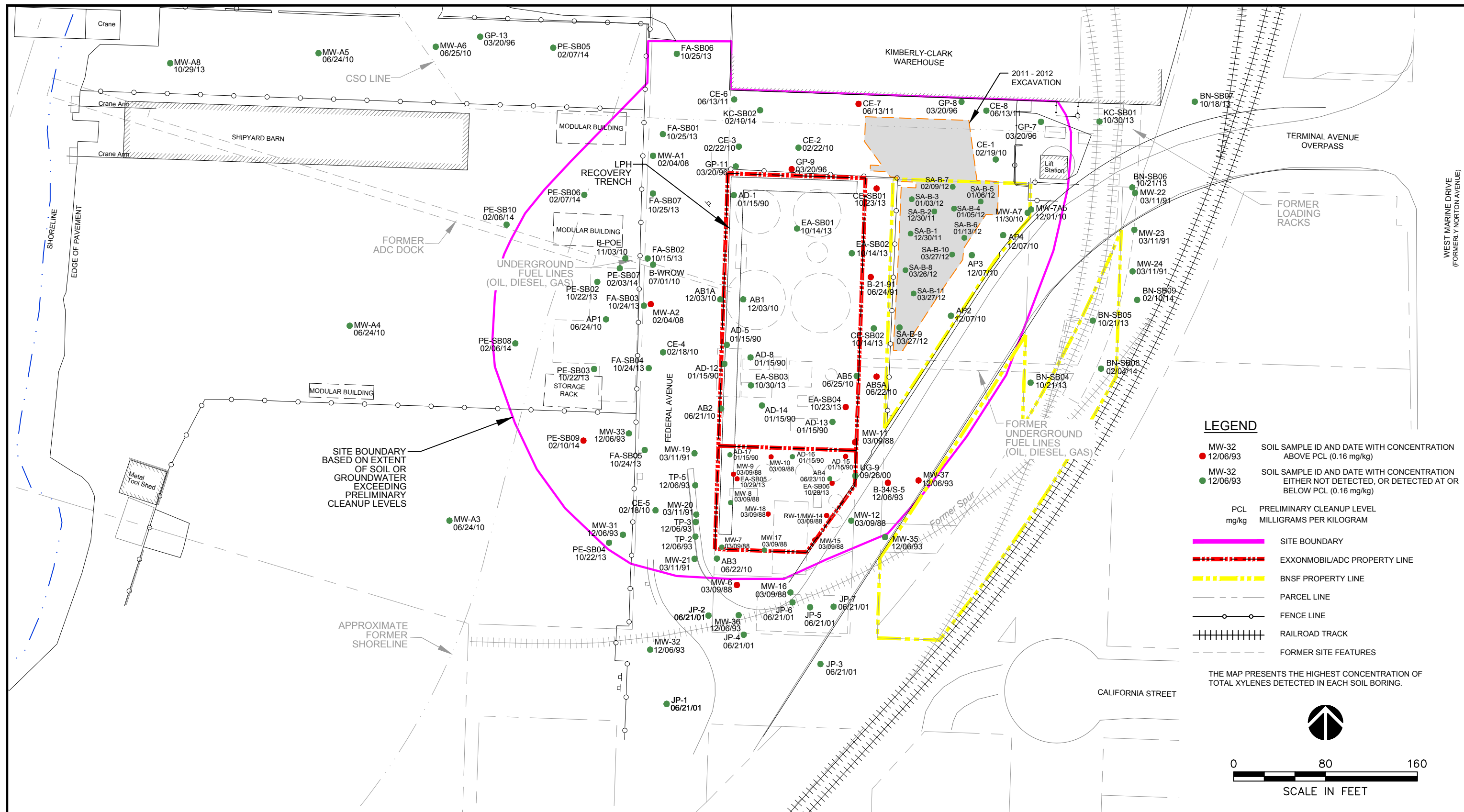
PROJECT

EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE

DISTRIBUTION OF ETHYLBENZENE IN SOIL

DATE: SEPTEMBER 2018
PROJECT NO: 6103180009
REV. NO.: 1
FIGURE No. 6-2



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



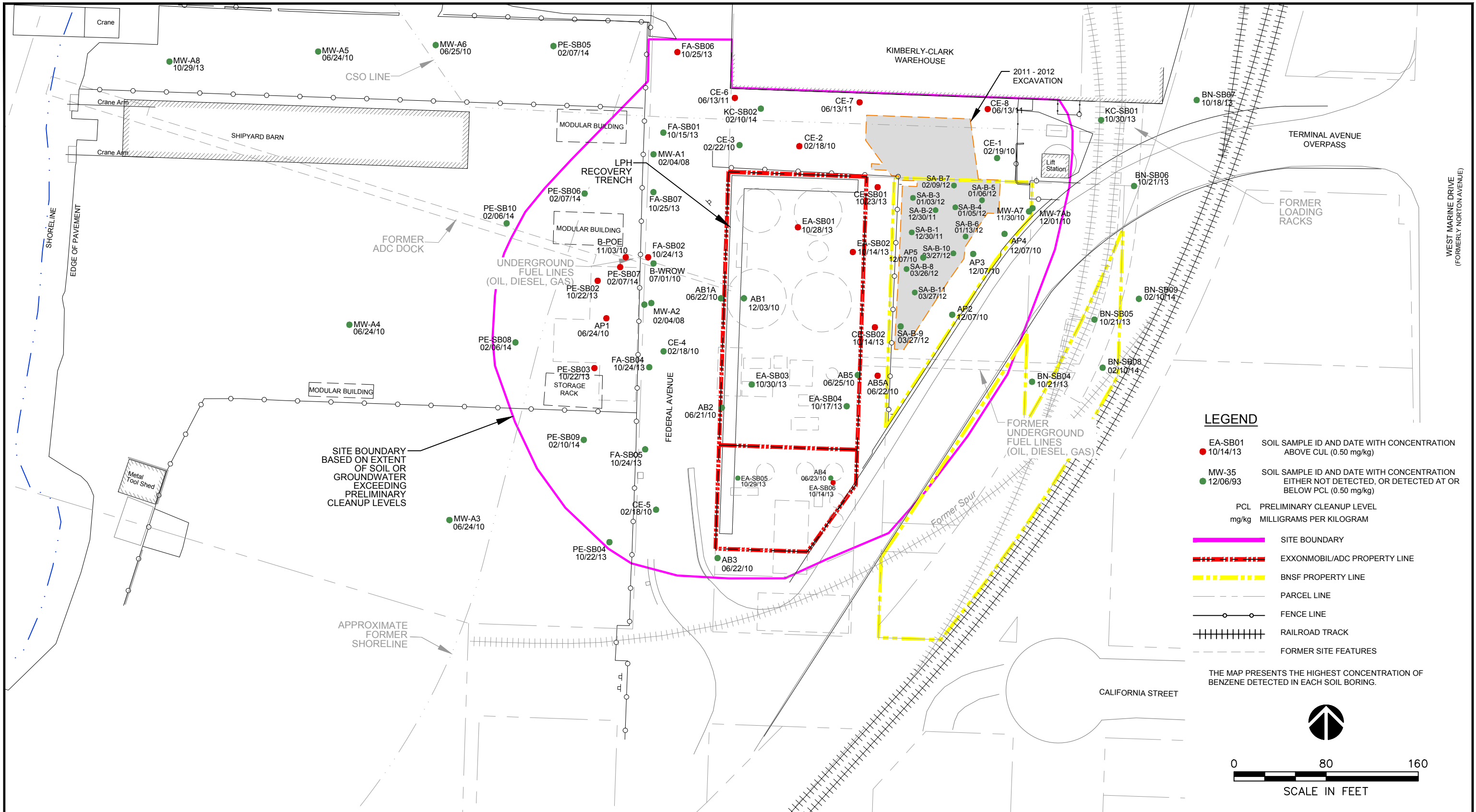
CLIENT:
EXXONMOBIL AND AMERICAN DISTRIBUTING COMPANY

Wood Environment & Infrastructure Solutions, Inc.
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Seattle, WA, U.S.A. 98101

DWN BY:	APS
CHK'D BY:	LV
DATUM:	NONE
PROJECTION:	NONE
SCALE:	1" = 80'

PROJECT	EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
TITLE	
DISTRIBUTION OF TOTAL XYLENES IN SOIL	

DATE:	SEPTEMBER 2018
PROJECT NO.:	6103180009
REV. NO.:	1
FIGURE No.	6-3



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

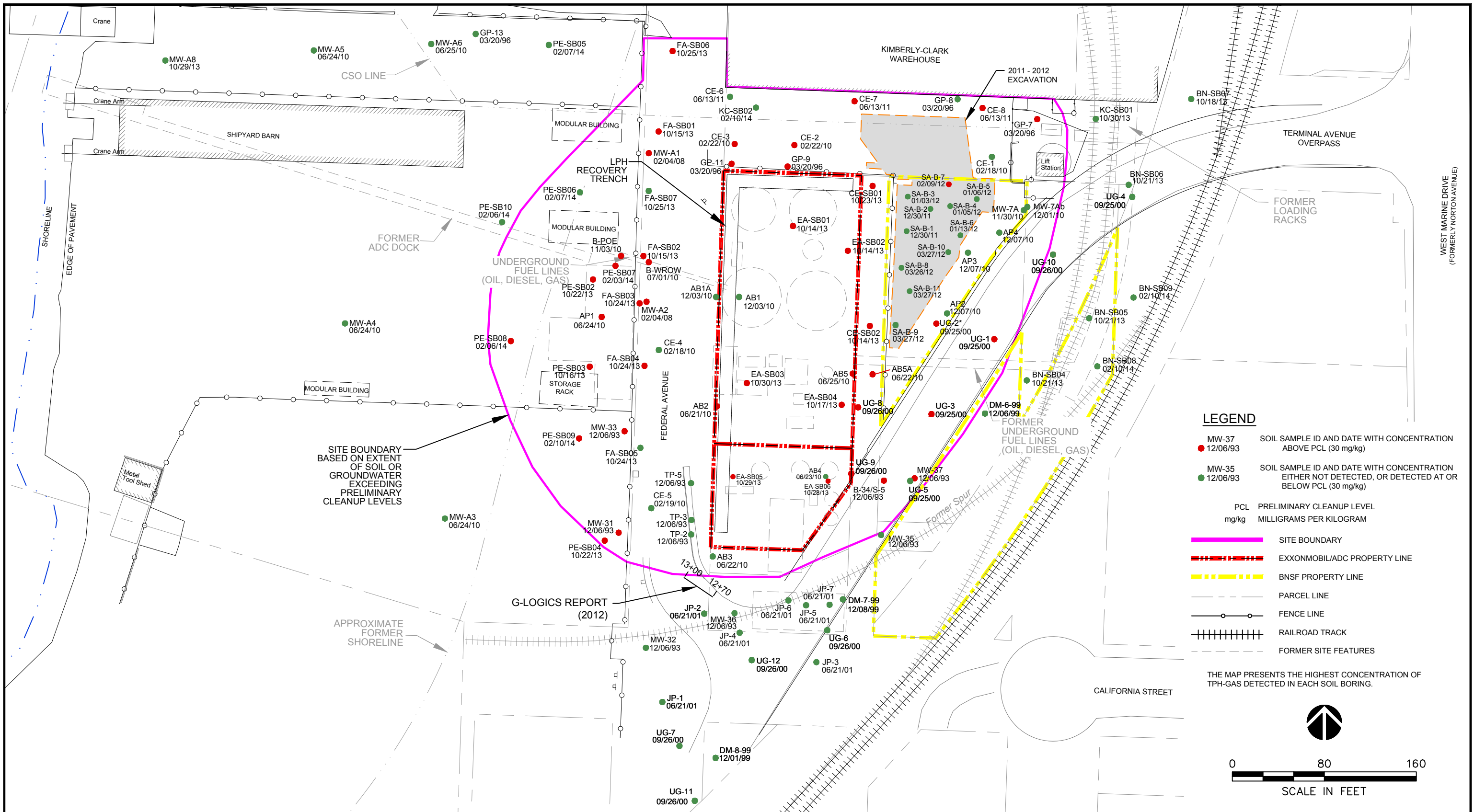


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 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: LV
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF 1-METHYLNAPHTHALENE IN SOIL

DATE: SEPTEMBER 2018
 PROJECT NO: 6103180009
 REV. NO.: 1
 FIGURE No. 6-4



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



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DWN BY: APS
CHK'D BY: CN
DATUM: NONE
PROJECTION: NONE
SCALE: 1" = 80'

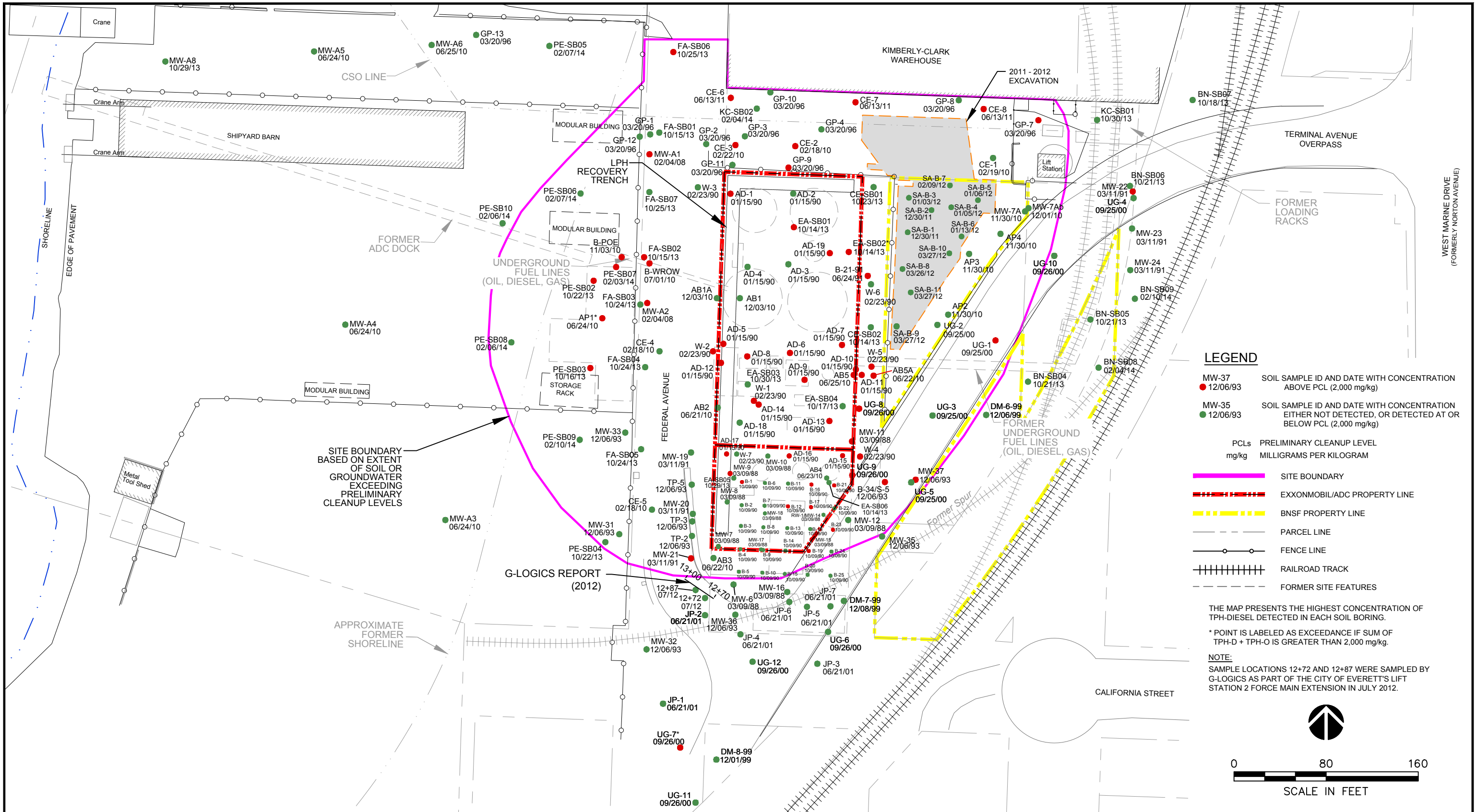
PROJECT

**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE

**DISTRIBUTION OF
TPH-G IN SOIL**

DATE: SEPTEMBER 2018
PROJECT NO: 6103180009
REV. NO.: 1
FIGURE No. 6-5



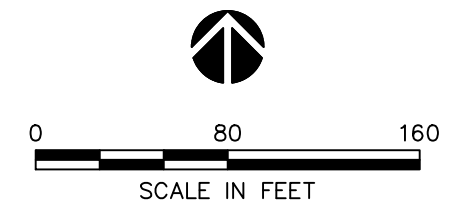
LEGEND

- MW-37 12/06/93 SOIL SAMPLE ID AND DATE WITH CONCENTRATION ABOVE PCL (2,000 mg/kg)
- MW-35 12/06/93 SOIL SAMPLE ID AND DATE WITH CONCENTRATION EITHER NOT DETECTED, OR DETECTED AT OR BELOW PCL (2,000 mg/kg)
- PCLs PRELIMINARY CLEANUP LEVEL
- mg/kg MILLIGRAMS PER KILOGRAM
- SITE BOUNDARY
- EXXONMOBIL/ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- RAILROAD TRACK
- FORMER SITE FEATURES

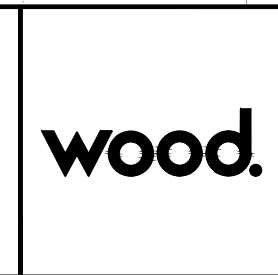
THE MAP PRESENTS THE HIGHEST CONCENTRATION OF TPH-DIESEL DETECTED IN EACH SOIL BORING.

* POINT IS LABELED AS EXCEEDANCE IF SUM OF TPH-D + TPH-O IS GREATER THAN 2,000 mg/kg.

NOTE:
SAMPLE LOCATIONS 12+72 AND 12+87 WERE SAMPLED BY G-LOGICS AS PART OF THE CITY OF EVERETT'S LIFT STATION 2 FORCE MAIN EXTENSION IN JULY 2012.



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



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DWN BY: APS

CHK'D BY: LV

DATUM: NONE

PROJECTION: NONE

SCALE: 1" = 80'

PROJECT

EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE

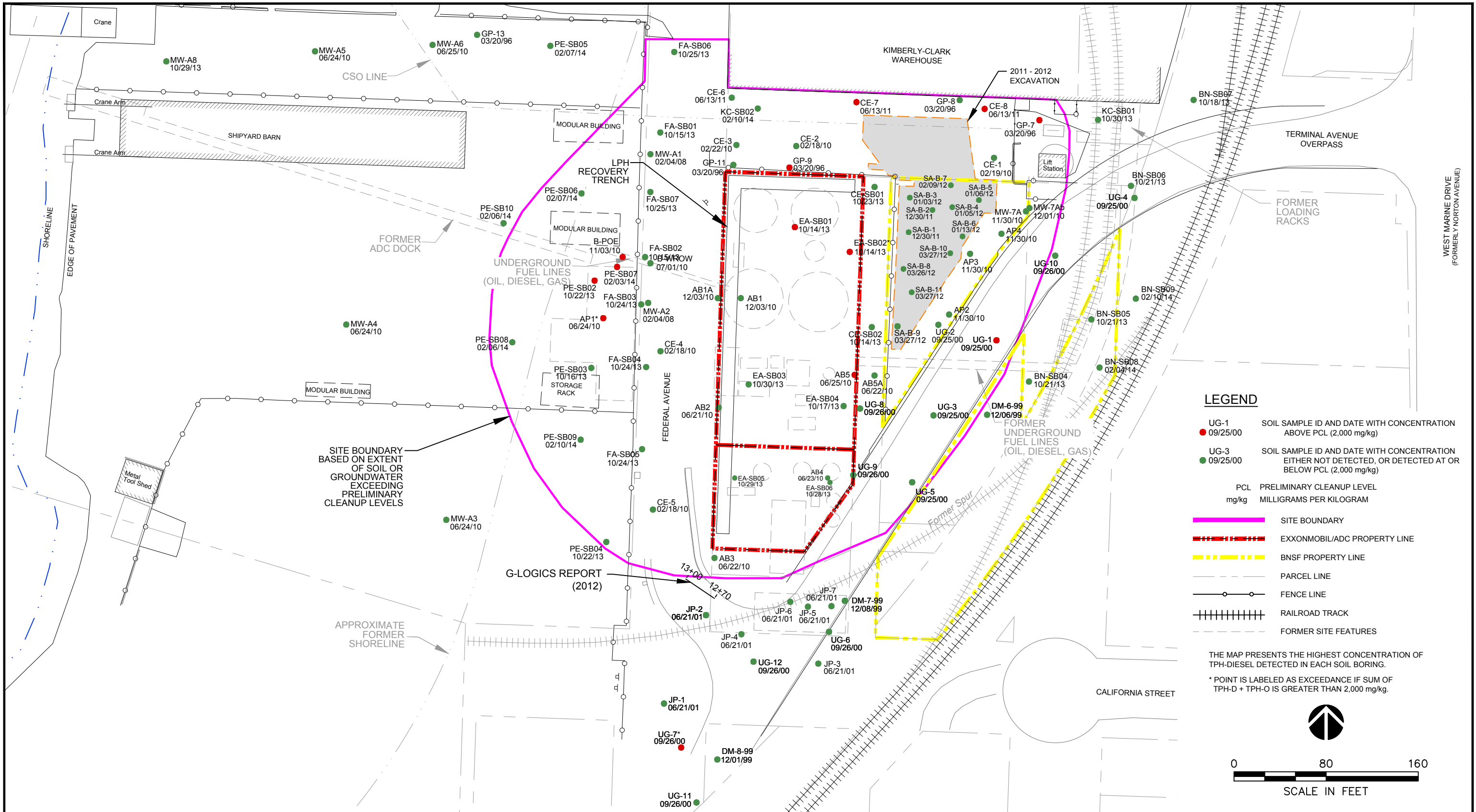
DISTRIBUTION OF TPH-D AND UNDIFFERENTIATED TPH IN SOIL

DATE: SEPTEMBER 2018

PROJECT NO: 6103180009

REV. NO.: 1

FIGURE No. 6-6



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

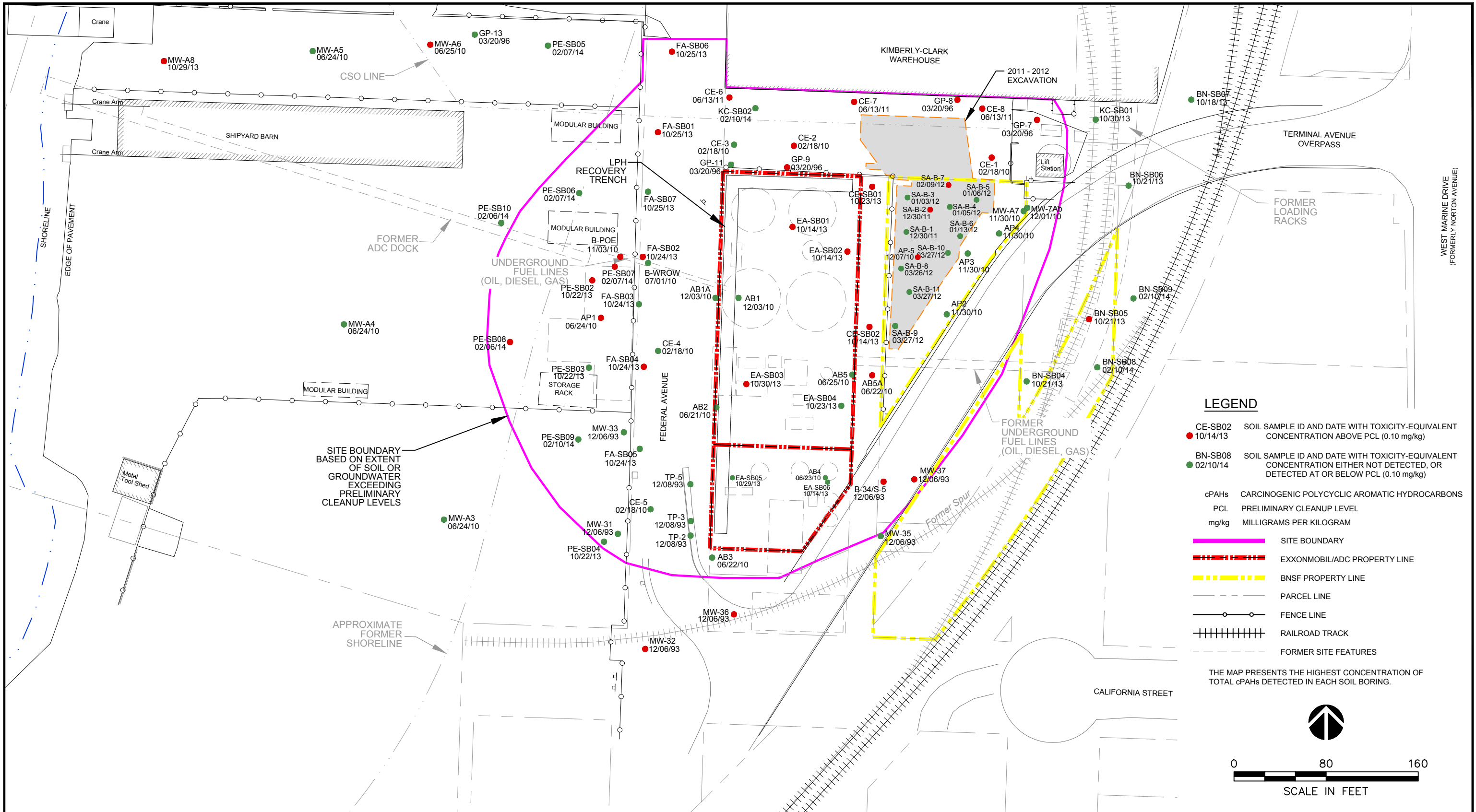


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 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: CN
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF TPH-O IN SOIL

DATE: SEPTEMBER 2018
 PROJECT NO: 6103180009
 REV. NO.: 1
 FIGURE No. 6-7



LEGEND

CE-SB02 10/14/13 SOIL SAMPLE ID AND DATE WITH TOXICITY-EQUIVALENT CONCENTRATION ABOVE PCL (0.10 mg/kg)

BN-SB08 02/10/14 SOIL SAMPLE ID AND DATE WITH TOXICITY-EQUIVALENT CONCENTRATION EITHER NOT DETECTED, OR DETECTED AT OR BELOW PCL (0.10 mg/kg)

cPAHs CARCINOGENIC POLYCYCLIC AROMATIC HYDROCARBONS

PCL PRELIMINARY CLEANUP LEVEL

mg/kg MILLIGRAMS PER KILOGRAM

SITE BOUNDARY

EXXONMOBIL/ADC PROPERTY LINE

BNSF PROPERTY LINE

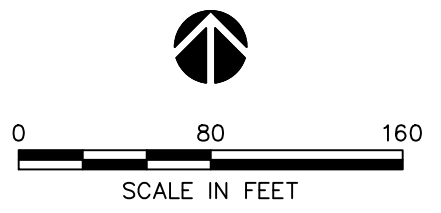
PARCEL LINE

FENCE LINE

RAILROAD TRACK

FORMER SITE FEATURES

THE MAP PRESENTS THE HIGHEST CONCENTRATION OF TOTAL cPAHs DETECTED IN EACH SOIL BORING.



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



CLIENT:

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DWN BY: APS

CHK'D BY: CN

DATUM: NONE

PROJECTION: NONE

SCALE: 1" = 80'

PROJECT

EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE

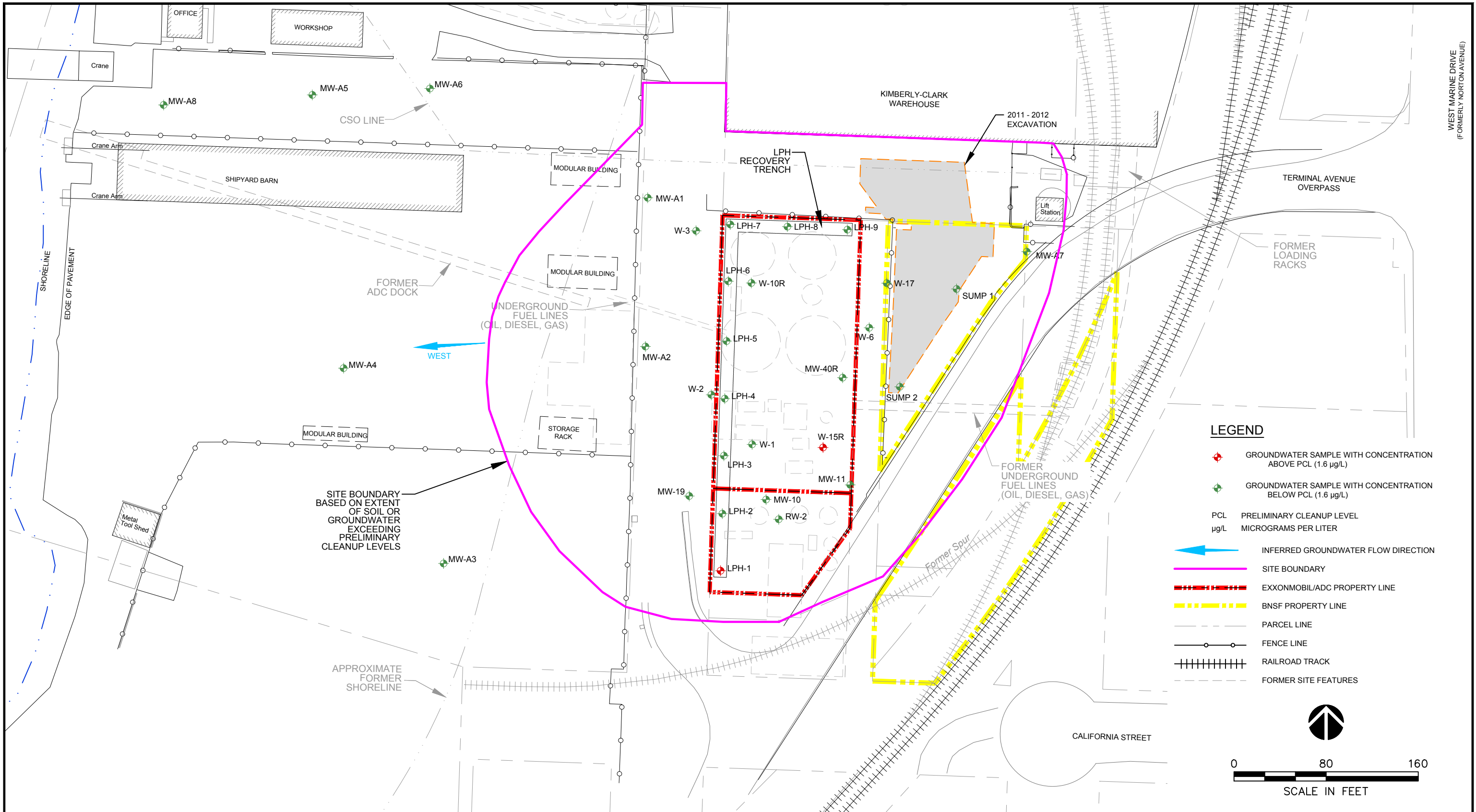
DISTRIBUTION OF cPAHs IN SOIL

DATE: SEPTEMBER 2018

PROJECT NO: 6103180009

REV. NO.: 1

FIGURE No. 6-8



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

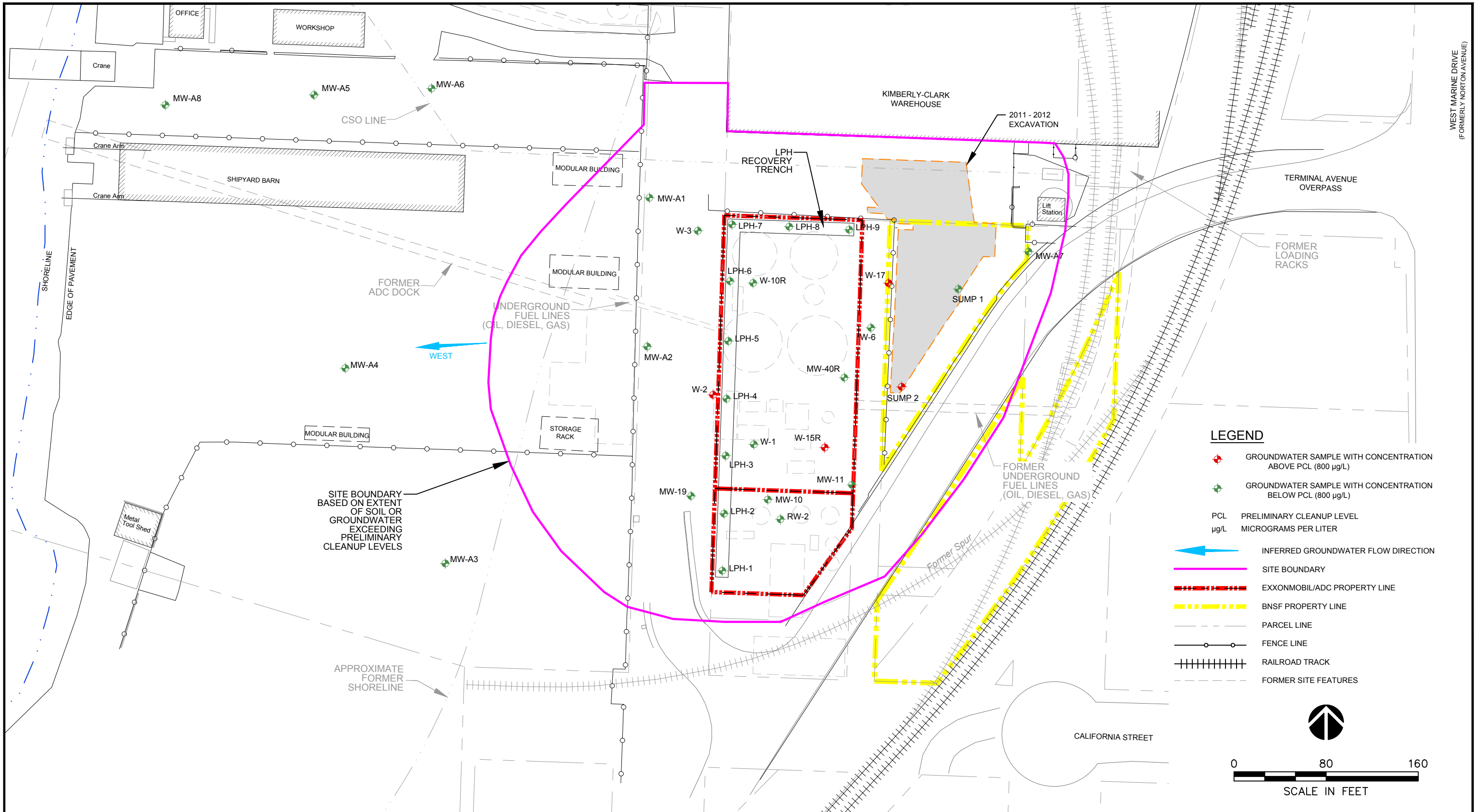


CLIENT:
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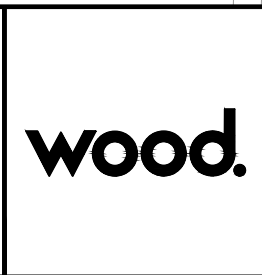
DWN BY: APS
 CHK'D BY: LV
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF BENZENE IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
 PROJECT NO.: 6103180009
 REV. NO.: 1
 FIGURE No. 6-9



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

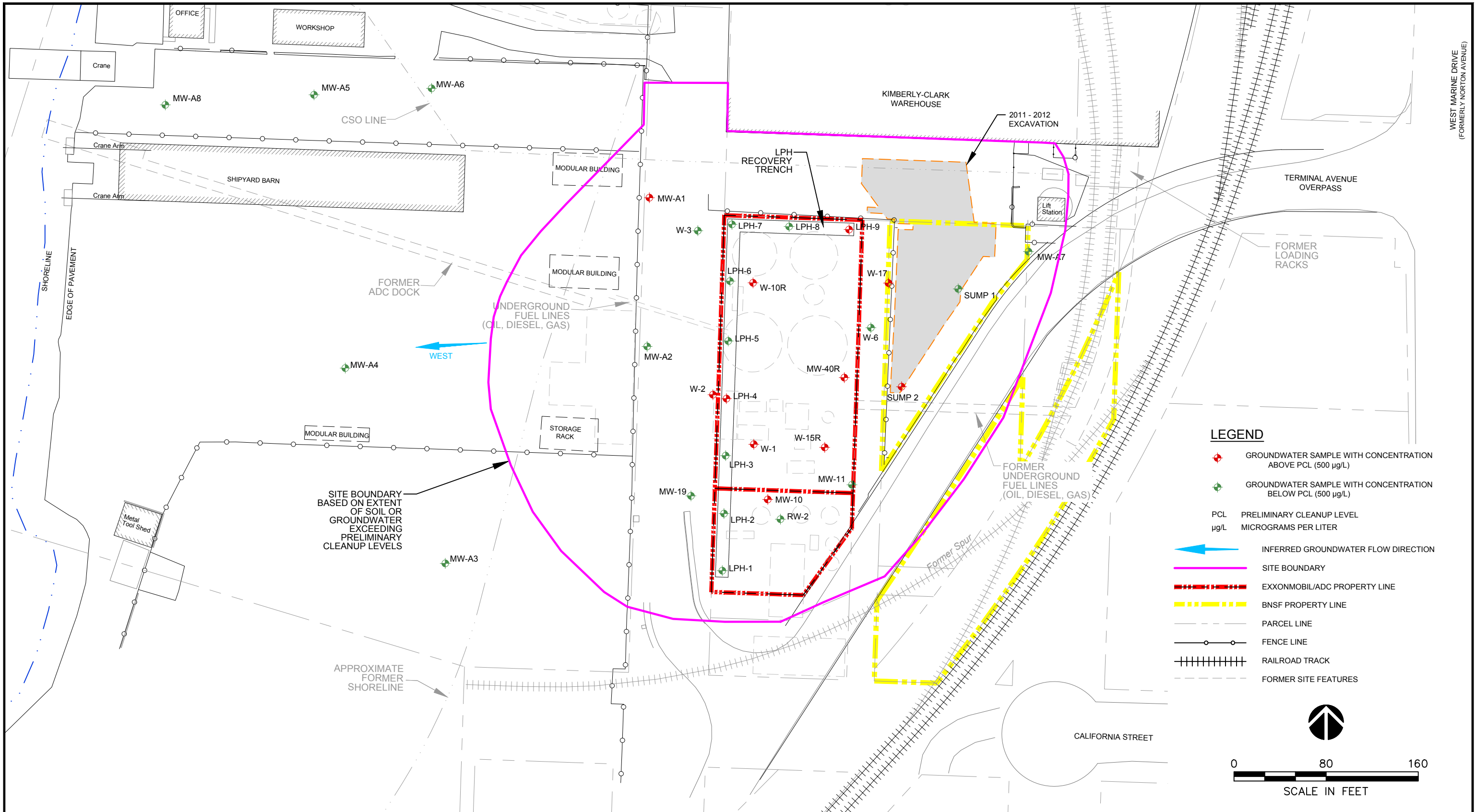


CLIENT:
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 Wood Environment & Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA, U.S.A. 98101

DWN BY: AS
 CHK'D BY: LV
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF TPH-G IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
 PROJECT NO.: 6103180009
 REV. NO.: 1
 FIGURE No. 6-10



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

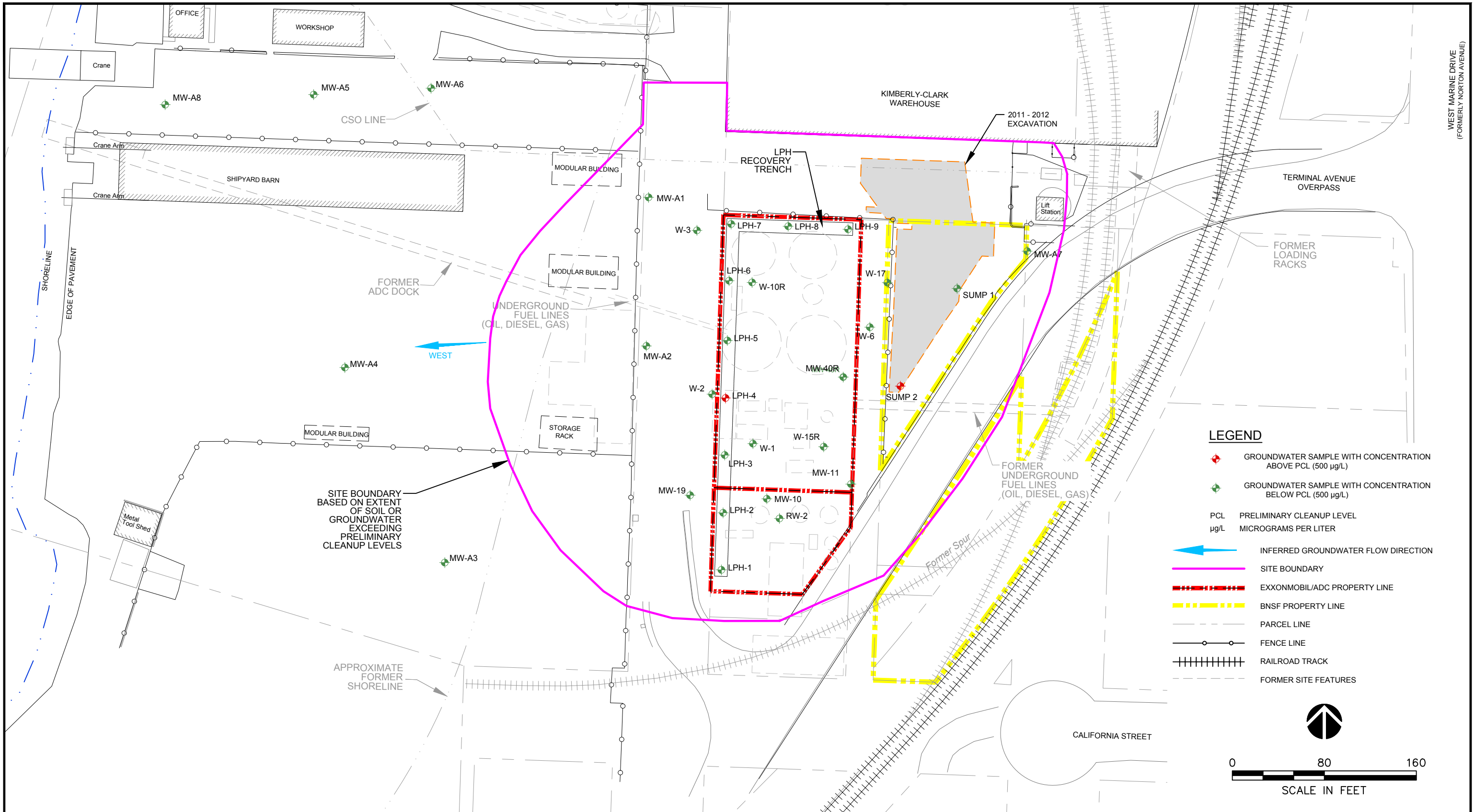


CLIENT:
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 Wood Environment & Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: LV
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF TPH-D IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
 PROJECT NO.: 6103180009
 REV. NO.: 1
 FIGURE No. 6-11



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



CLIENT:
EXXONMOBIL AND AMERICAN DISTRIBUTING COMPANY

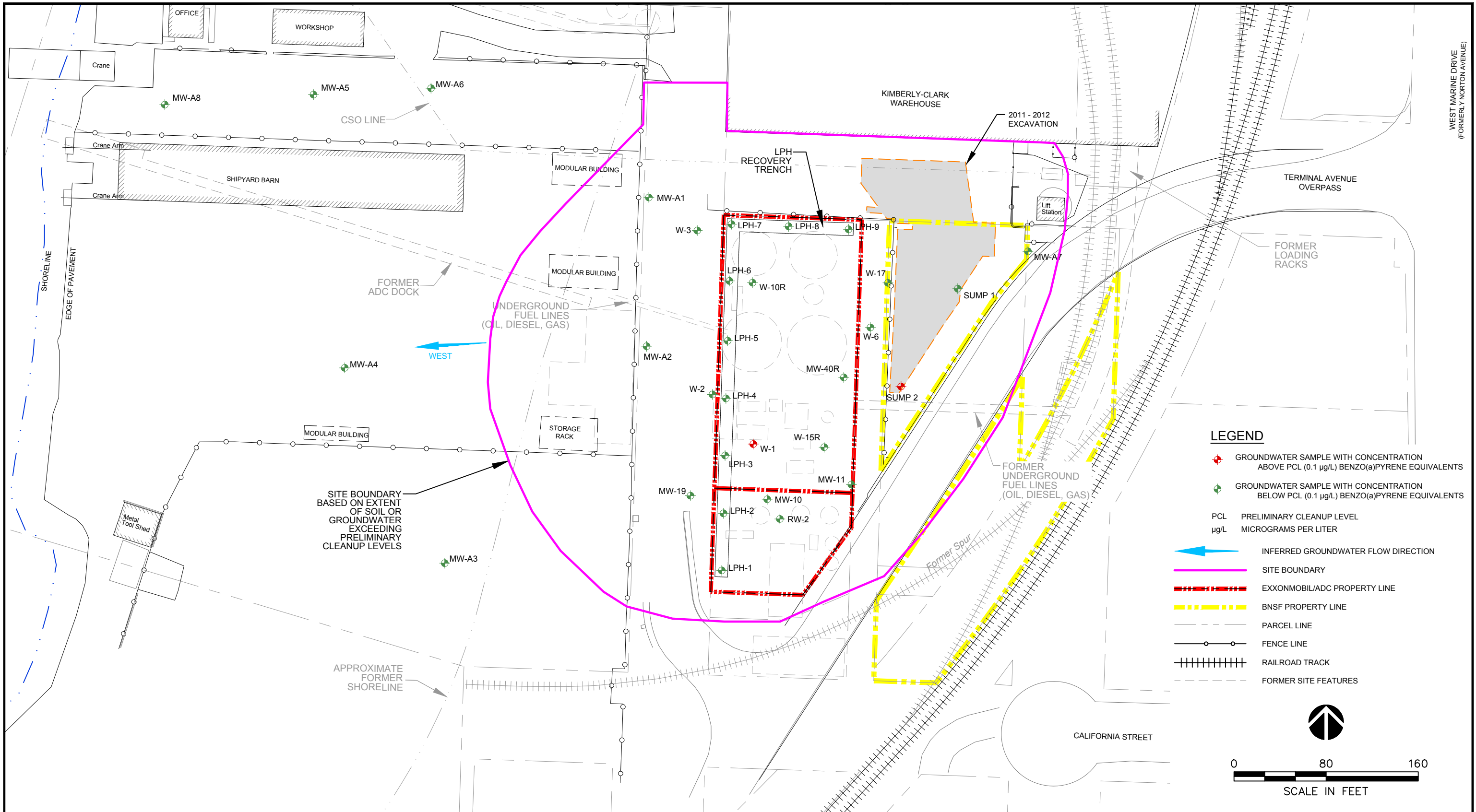
Wood Environment & Infrastructure Solutions, Inc.
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NONE
PROJECTION: NONE
SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE
DISTRIBUTION OF TPH-O IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
PROJECT NO.: 6103180009
REV. NO.: 1
FIGURE No. 6-12



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.



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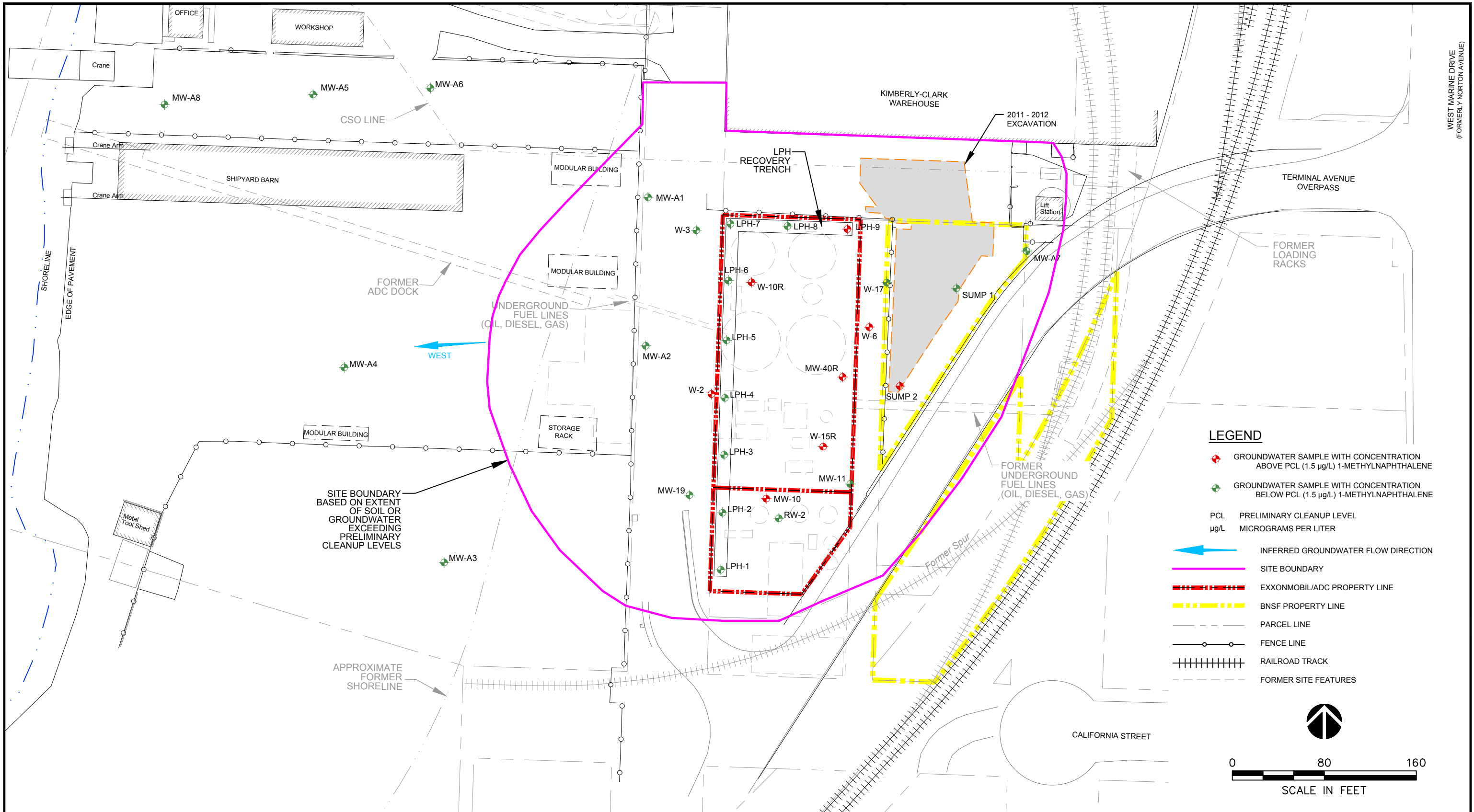
Wood Environment & Infrastructure Solutions, Inc.
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NONE
PROJECTION: NONE
SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

TITLE
DISTRIBUTION OF ADJUSTED TOTAL cPAHS IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
PROJECT NO: 6103180009
REV. NO.: 1
FIGURE No. 6-13



SOURCE: Modified from a map provided by City of Everett, ExxonMobil Oil Corporation and Environmental Resolution, Inc.

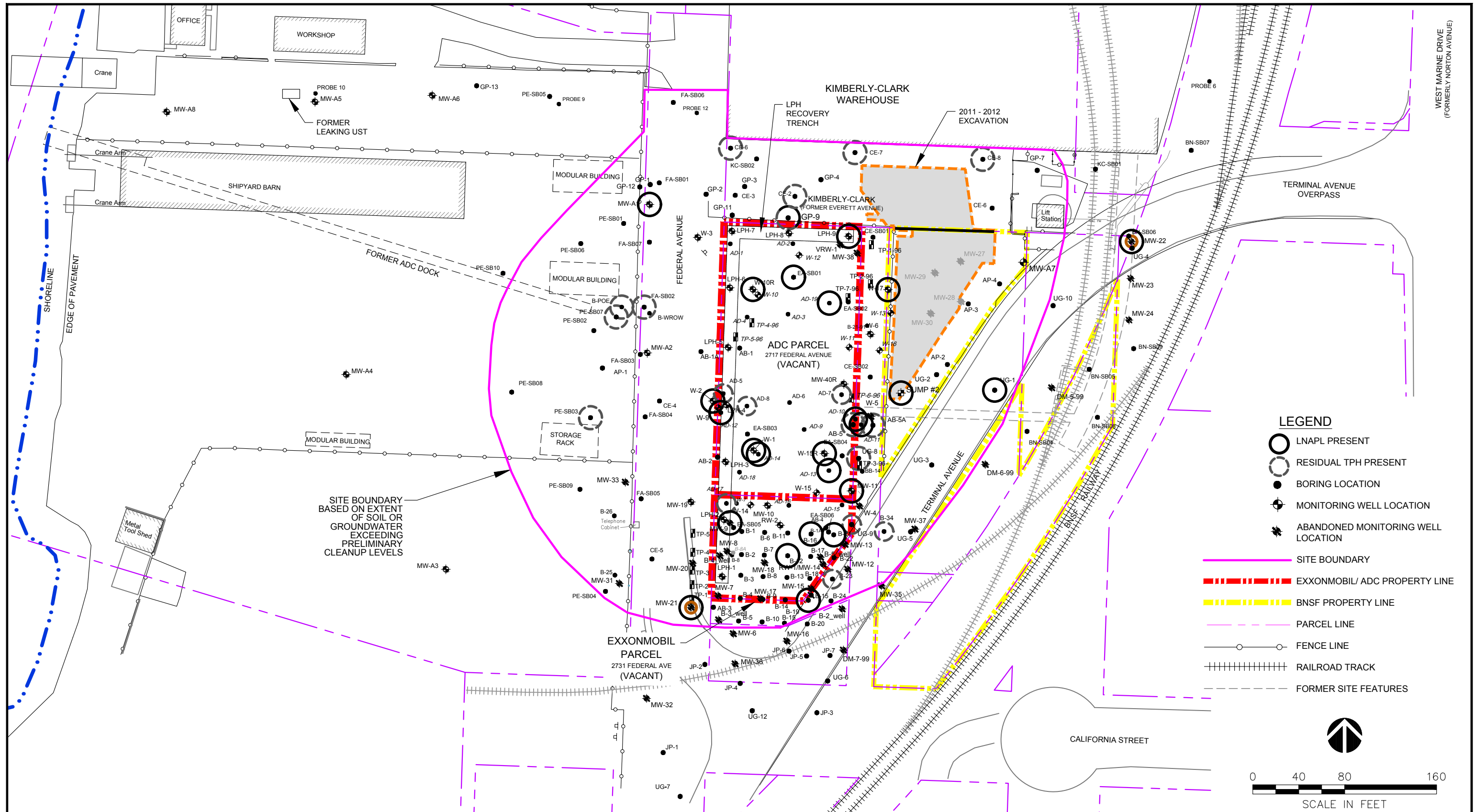


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DWN BY: APS
 CHK'D BY: LV
 DATUM: NONE
 PROJECTION: NONE
 SCALE: 1" = 80'

PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728
 TITLE
DISTRIBUTION OF 1-METHYLNAPHTHALENE IN GROUNDWATER BASED ON JANUARY 2015 RESULTS

DATE: SEPTEMBER 2018
 PROJECT NO: 6103180009
 REV. NO.: 1
 FIGURE No. 6-14



wood.

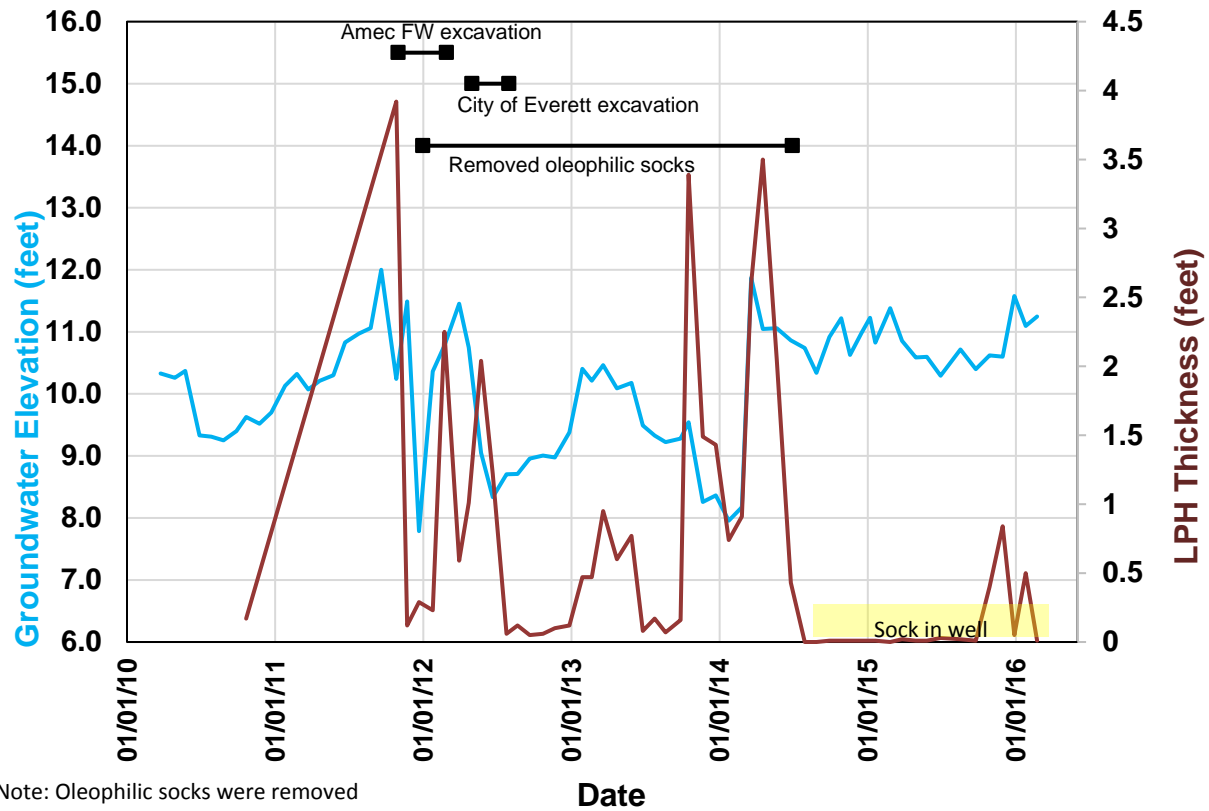
wood.

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 Wood Environment &
 Infrastructure Solutions, Inc.
 600 University Street, Suite 600
 Seattle, WA, U.S.A. 98101

DWN BY: APS
 CHK'D BY: LV
 DATUM: NAD 83 N FT
 PROJECTION: WASP
 SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
 ECOLOGY SITE ID 2728**
 TITLE
DISTRIBUTION OF LPH

DATE:
 SEPTEMBER 2018
 PROJECT NO:
 6103180009
 REV. NO.:
 FIGURE No.
 6-15



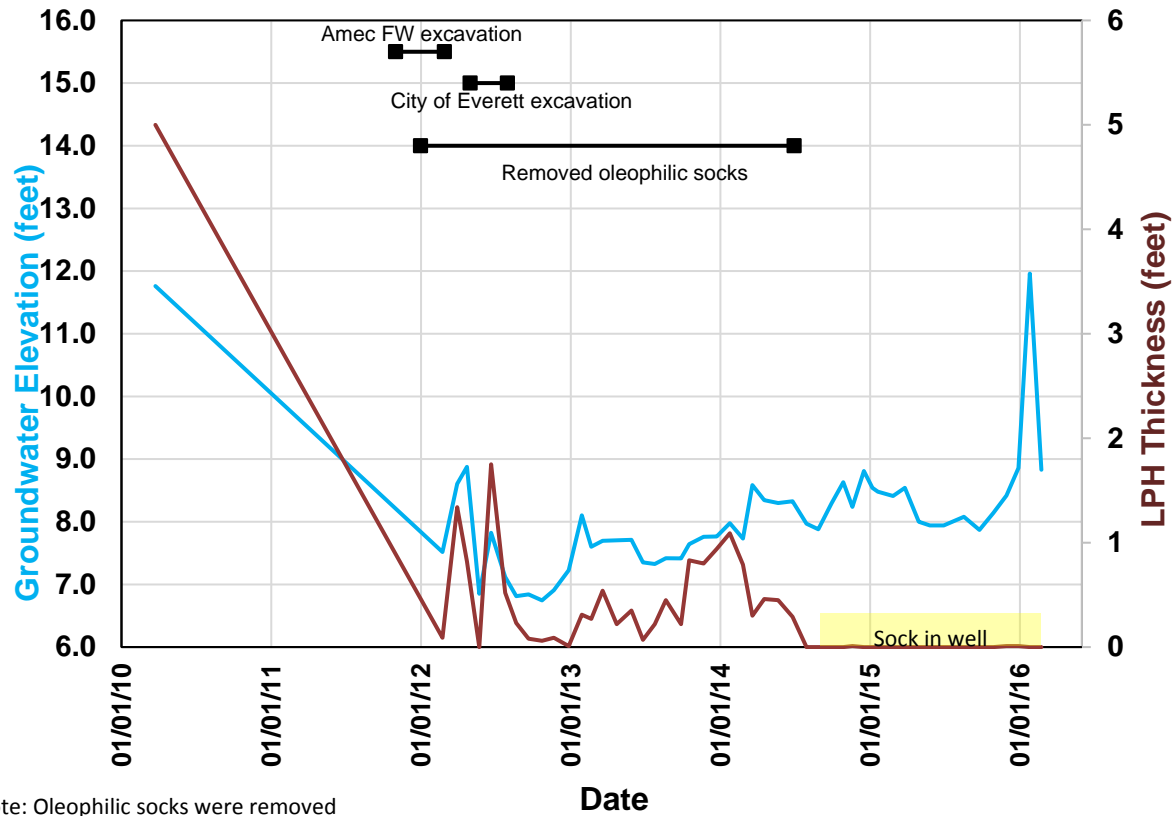
Note: Oleophilic socks were removed to study baseline product recharge.

W-1 GROUNDWATER ELEVATION AND
LPH THICKNESS
ExxonMobil/ADC Property
Everett, Washington

By: KK Date: 03/01/2017 Project No. 6103170009



Figure 6-16



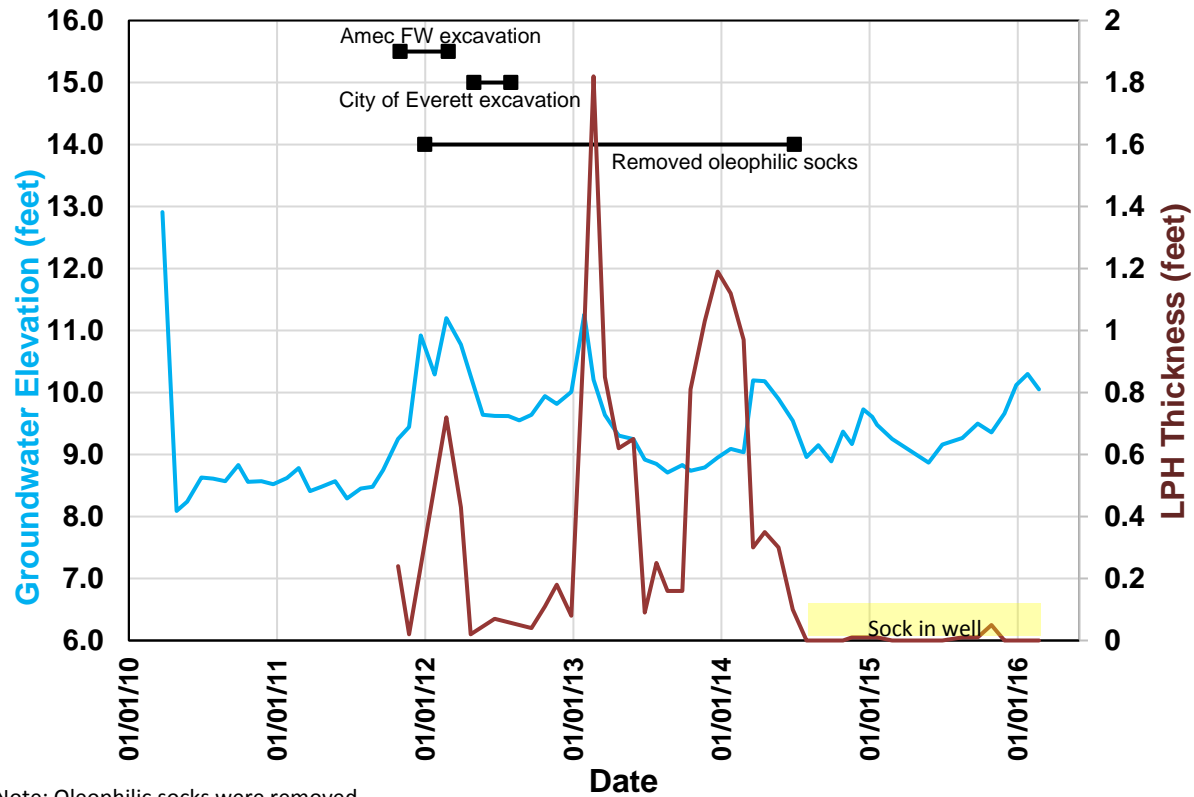
Note: Oleophilic socks were removed to study baseline product recharge.

W-2 GROUNDWATER ELEVATION AND
LPH THICKNESS
ExxonMobil/ADC Property
Everett, Washington

By: KK Date: 03/01/2017 Project No. 6103180009



Figure 6-17



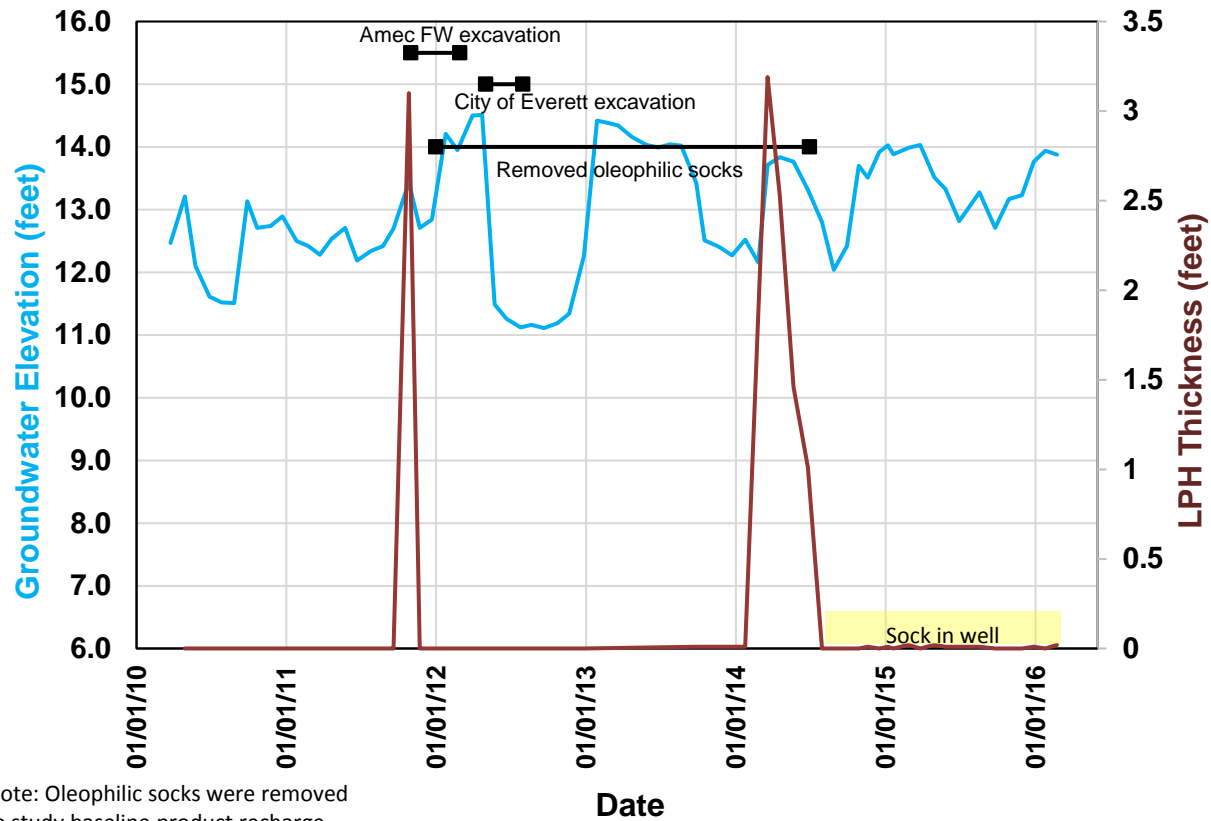
Note: Oleophilic socks were removed to study baseline product recharge.

W-10R GROUNDWATER ELEVATION AND LPH THICKNESS
ExxonMobil/ADC Property
Everett, Washington

By: KK Date: 03/01/2017 Project No. 6103180009



Figure 6-18



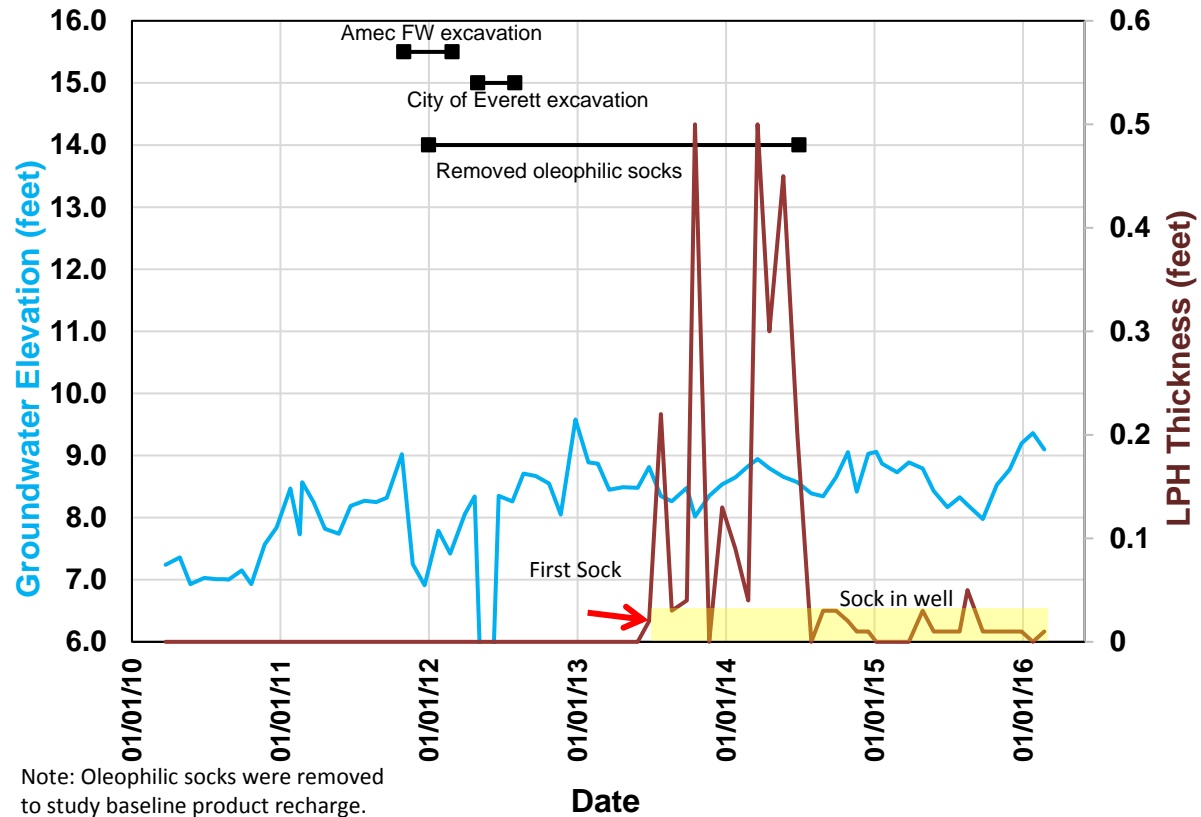
Note: Oleophilic socks were removed to study baseline product recharge.

W-15R GROUNDWATER ELEVATION AND LPH THICKNESS
ExxonMobil/ADC Property
Everett, Washington

By: KK Date: 03/01/2017 Project No. 6103150009



Figure 6-19



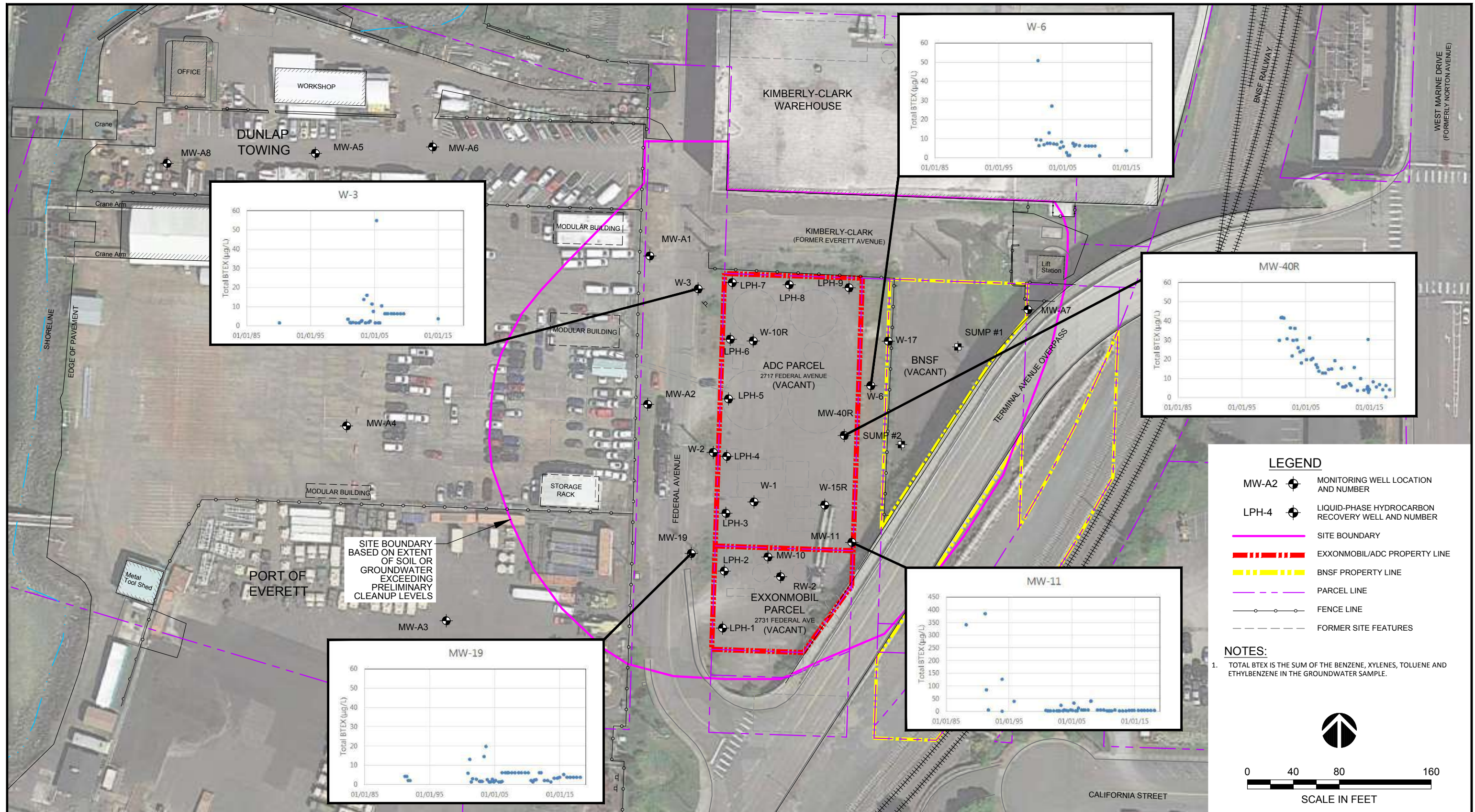
Note: Oleophilic socks were removed to study baseline product recharge.

MW-A1 GROUNDWATER ELEVATION AND
LPH THICKNESS
ExxonMobil/ADC Property
Everett, Washington

By: KK	Date: 03/01/2017	Project No. 6103150009
--------	------------------	------------------------



Figure 6-20



CLIENT:

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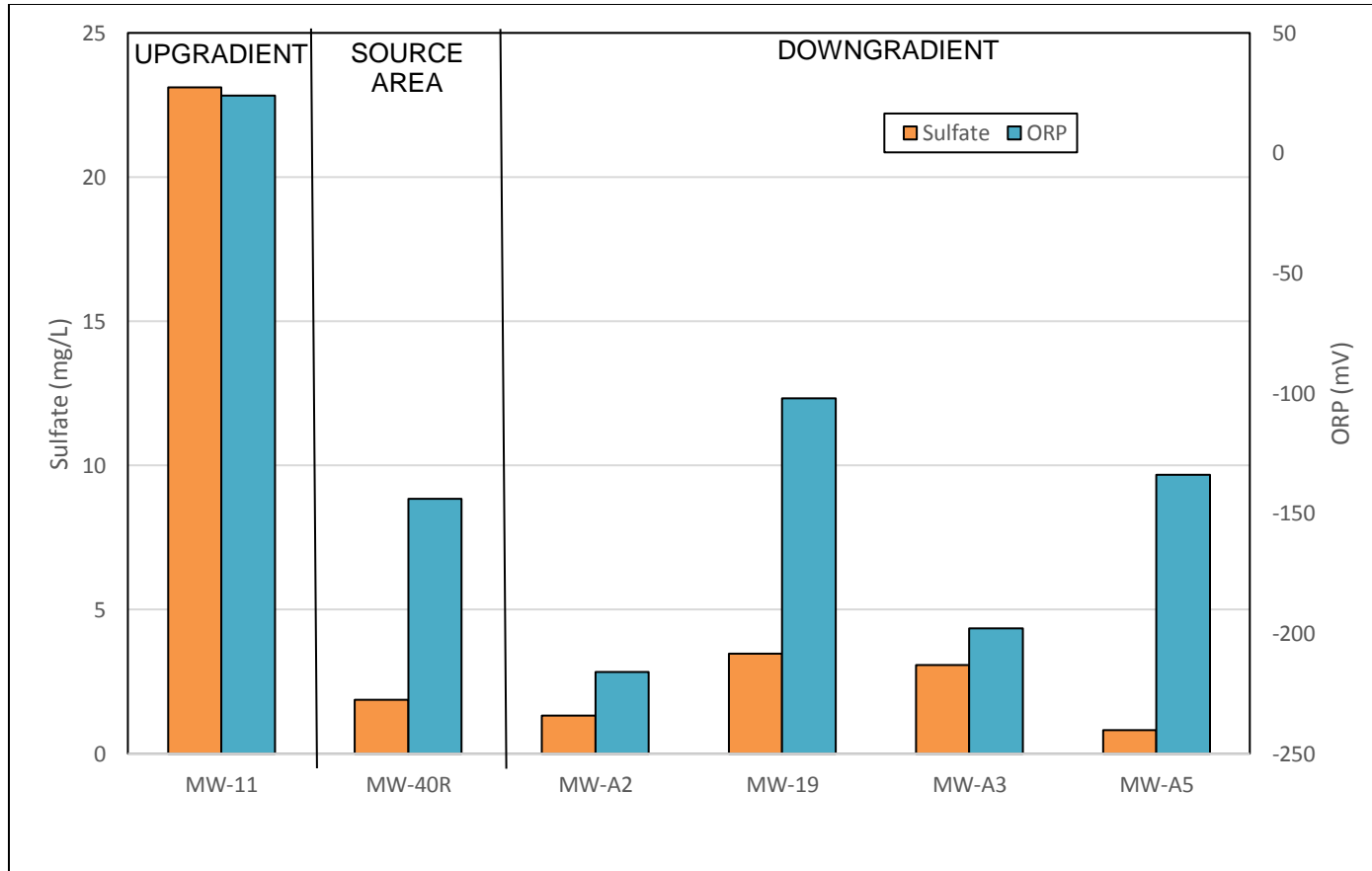
Wood Environment &
Infrastructure Solutions, Inc.
600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
**NATURAL DEGRADATION OF
SITE CONSTITUENTS**

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
6-21



Notes

1. Data from November 2010 Data Gaps sampling event.

Abbreviations

mg/L = milligrams per liter

mV = millivolts

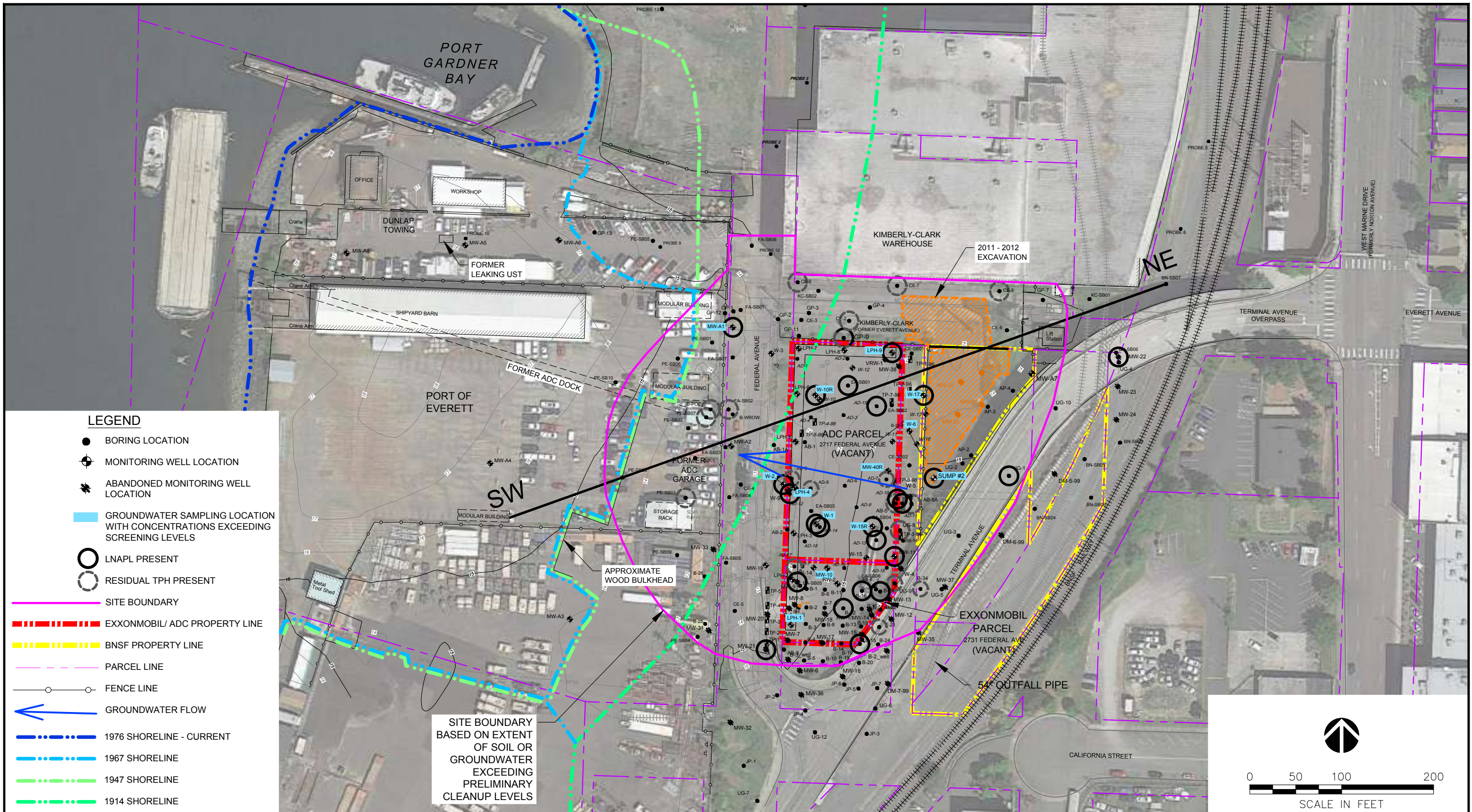
ORP = oxidation-reduction potential

NATURAL ATTENUATION PARAMETERS
ExxonMobil/ADC Property
Everett, Washington

By: WY	Date: 9/21/2018	Project No. 6103180009
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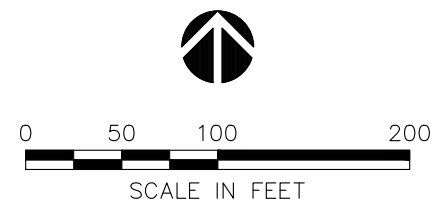
Figure 6-22



LEGEND

- BORING LOCATION
- ⊕ MONITORING WELL LOCATION
- ⊖ ABANDONED MONITORING WELL LOCATION
- GROUNDWATER SAMPLING LOCATION WITH CONCENTRATIONS EXCEEDING SCREENING LEVELS
- LNAPL PRESENT
- ⊙ RESIDUAL TPH PRESENT
- SITE BOUNDARY
- - - EXXONMOBIL/ ADC PROPERTY LINE
- - - BNSF PROPERTY LINE
- - - PARCEL LINE
- - - FENCE LINE
- ← GROUNDWATER FLOW
- 1976 SHORELINE - CURRENT
- 1967 SHORELINE
- 1947 SHORELINE
- 1914 SHORELINE

SITE BOUNDARY
BASED ON EXTENT
OF SOIL OR
GROUNDWATER
EXCEEDING
PRELIMINARY
CLEANUP LEVELS



— W —	WATER LINE
- - -	24-INCH FORCE MAIN
— SS —	SANITARY SEWER LINE
- - - 24"SS - - -	24-INCH SANITARY SEWER LINE
— SD —	STORM DRAIN LINE
— T —	UNDERGROUND TELEPHONE



CLIENT:
**EXXONMOBIL
AMERICAN DISTRIBUTING CO.**

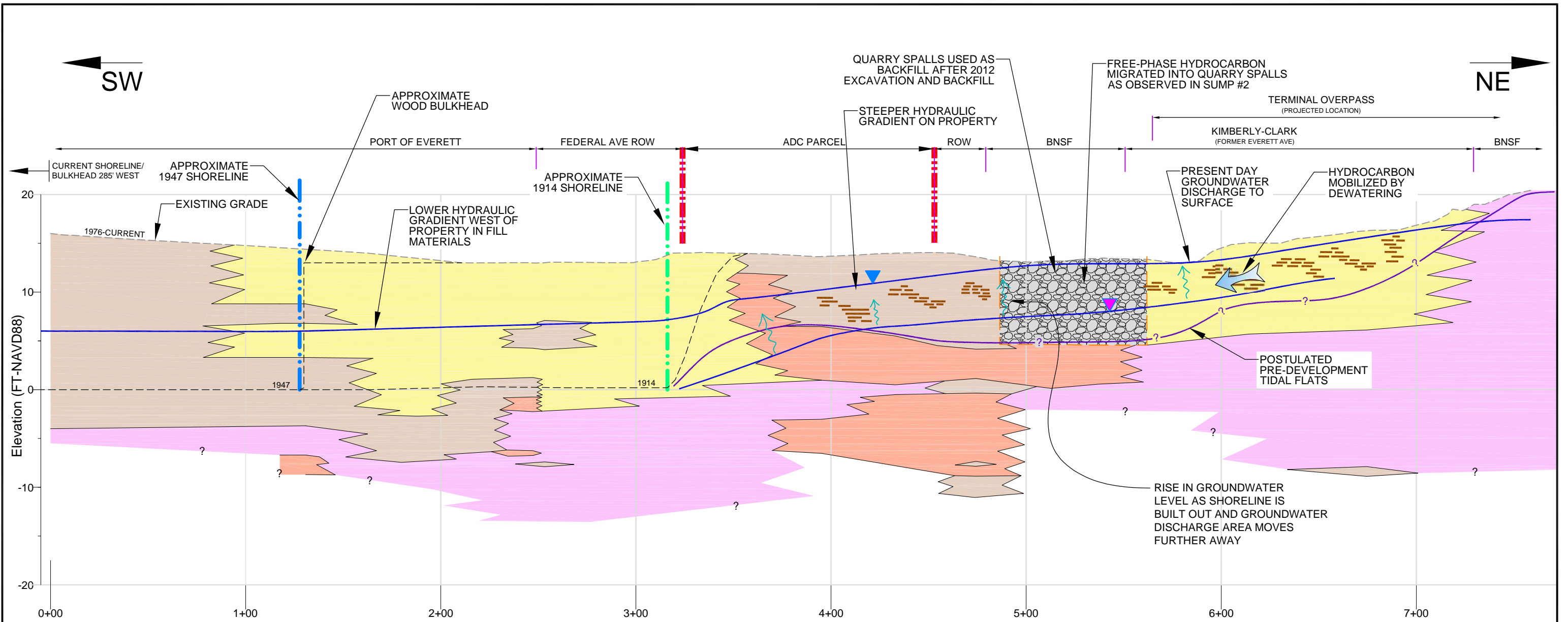
Wood Environment &
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600 University Street, Suite 600
Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
**PLAN VIEW OF
CONCEPTUAL SITE MODEL**

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
8-1

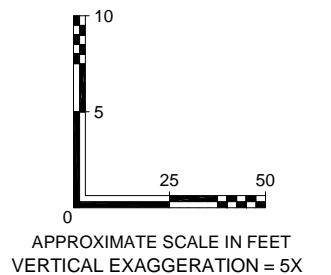


KEY

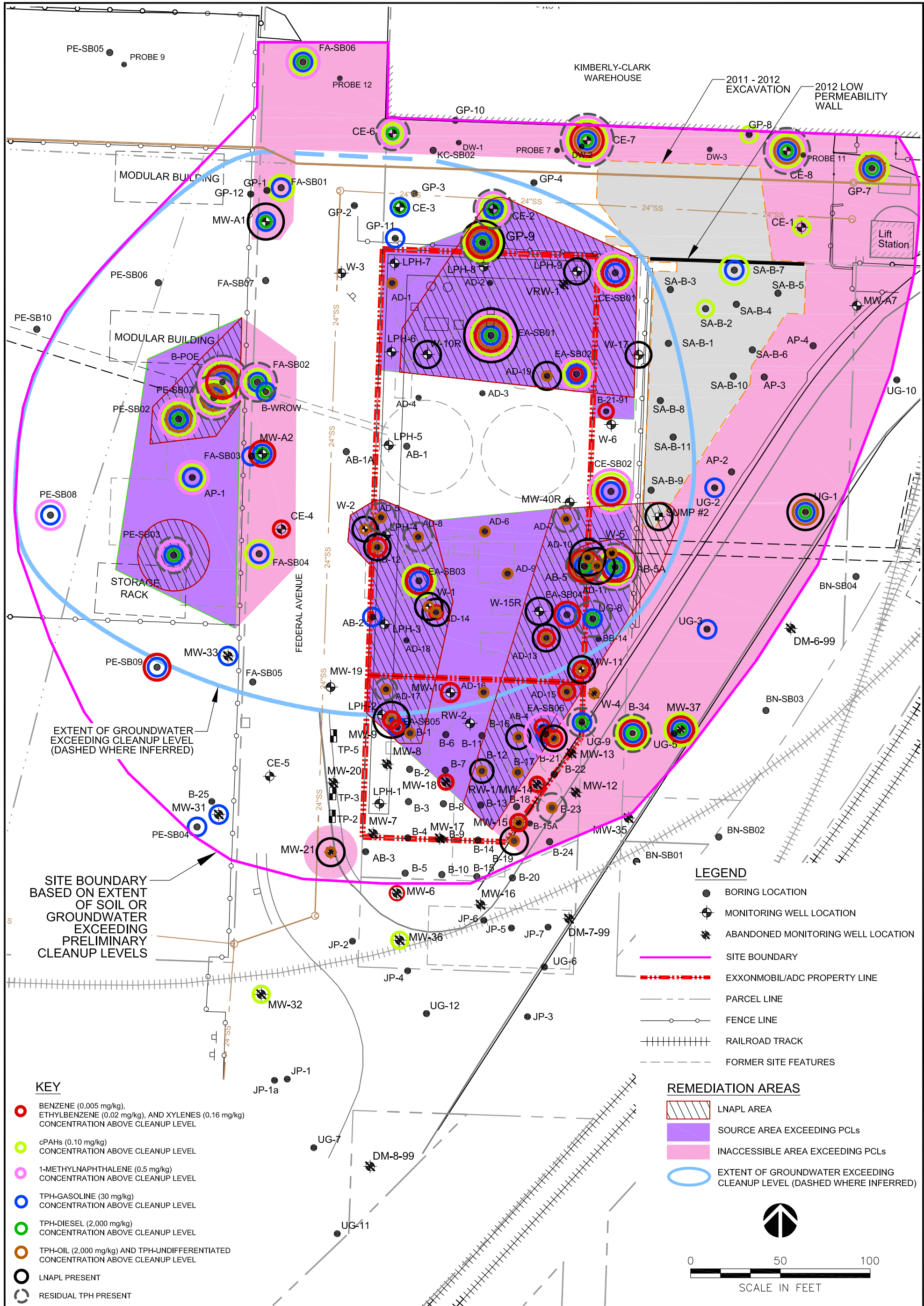
- SILTY SAND, SILT
- PEAT
- VERY LOOSE TO LOOSE, POORLY GRADED AND WELL-GRADED SAND
- MEDIUM DENSE TO DENSE, POORLY GRADED AND WELL-GRADED SAND
- ENGINEERED FILL (QUARRY SPALLS)

LEGEND

- RESIDUAL OF FREE-PHASE HYDROCARBON TRAPPED IN FILL
- MEAN GROUNDWATER ELEVATION FEBRUARY 2011
- POSTULATED GROUNDWATER TABLE SHORTLY AFTER FILLING IN EARLY 1890s
- APPROXIMATE LOCATION OF PROPERTY BOUNDARY



	CLIENT: EXXONMOBIL AMERICAN DISTRIBUTING CO.	DWN BY: APS CHK'D BY: LV DATUM: NAD 83 N FT PROJECTION: WASP SCALE: AS SHOWN	PROJECT EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728	DATE: SEPTEMBER 2018 PROJECT NO: 6103180009
	Wood Environment & Infrastructure Solutions, Inc. 600 University Street, Suite 600 Seattle, WA, U.S.A. 98101	TITLE CONCEPTUAL SITE MODEL CROSS SECTION VIEW	REV. NO.: FIGURE No. 8-2	



CLIENT
EXXONMOBIL AND AMERICAN DISTRIBUTION COMPANY

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PROJECT
EXXONMOBIL/ADC PROPERTY ECOLOGY SITE ID 2728

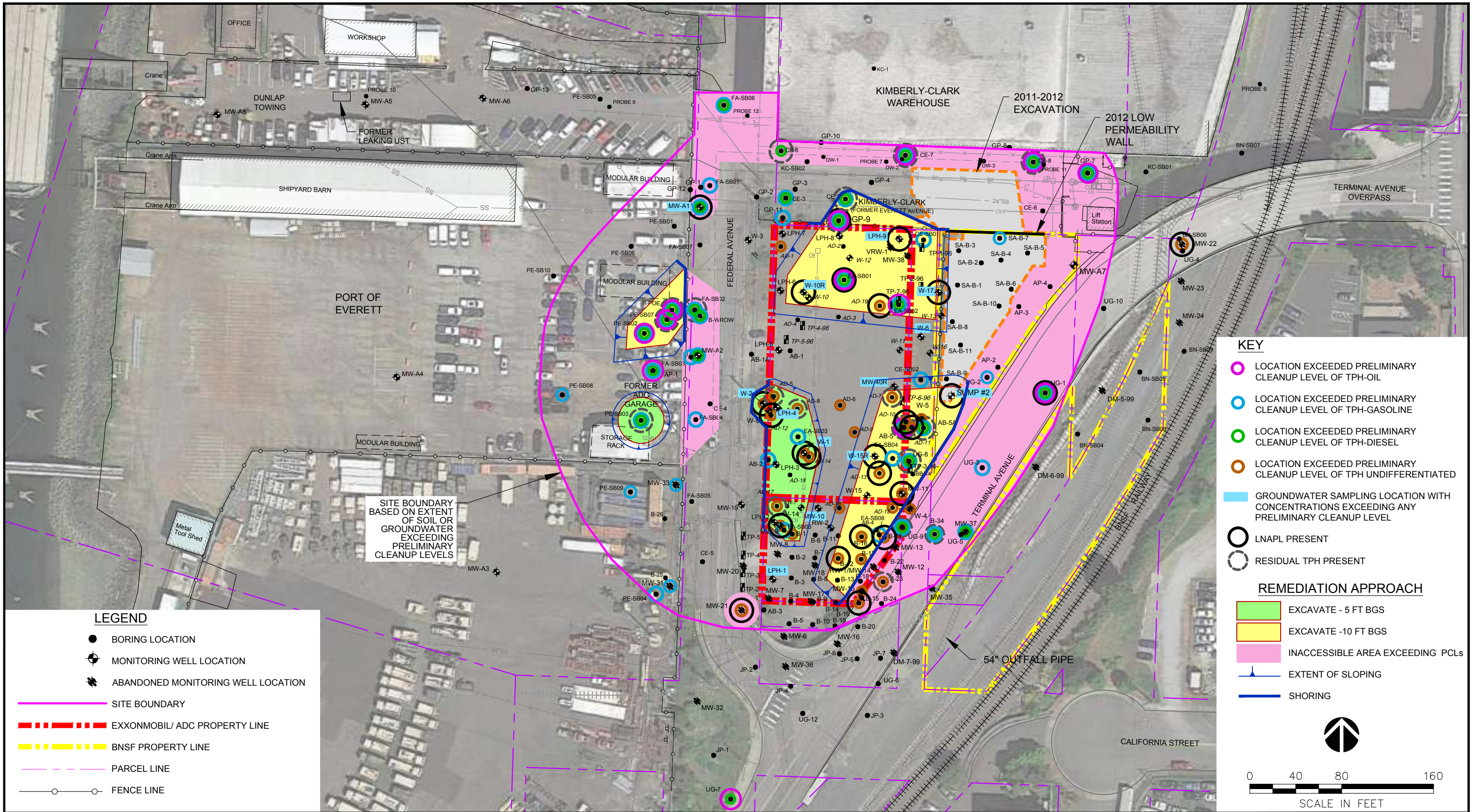
TITLE
SOURCE AREAS

DATE
 SEPTEMBER 2018

PROJECT NO.
 6103180009

REV NO.
 1

FIGURE No.
 12-1



SITE BOUNDARY BASED ON EXTENT OF SOIL OR GROUNDWATER EXCEEDING PRELIMINARY CLEANUP LEVELS



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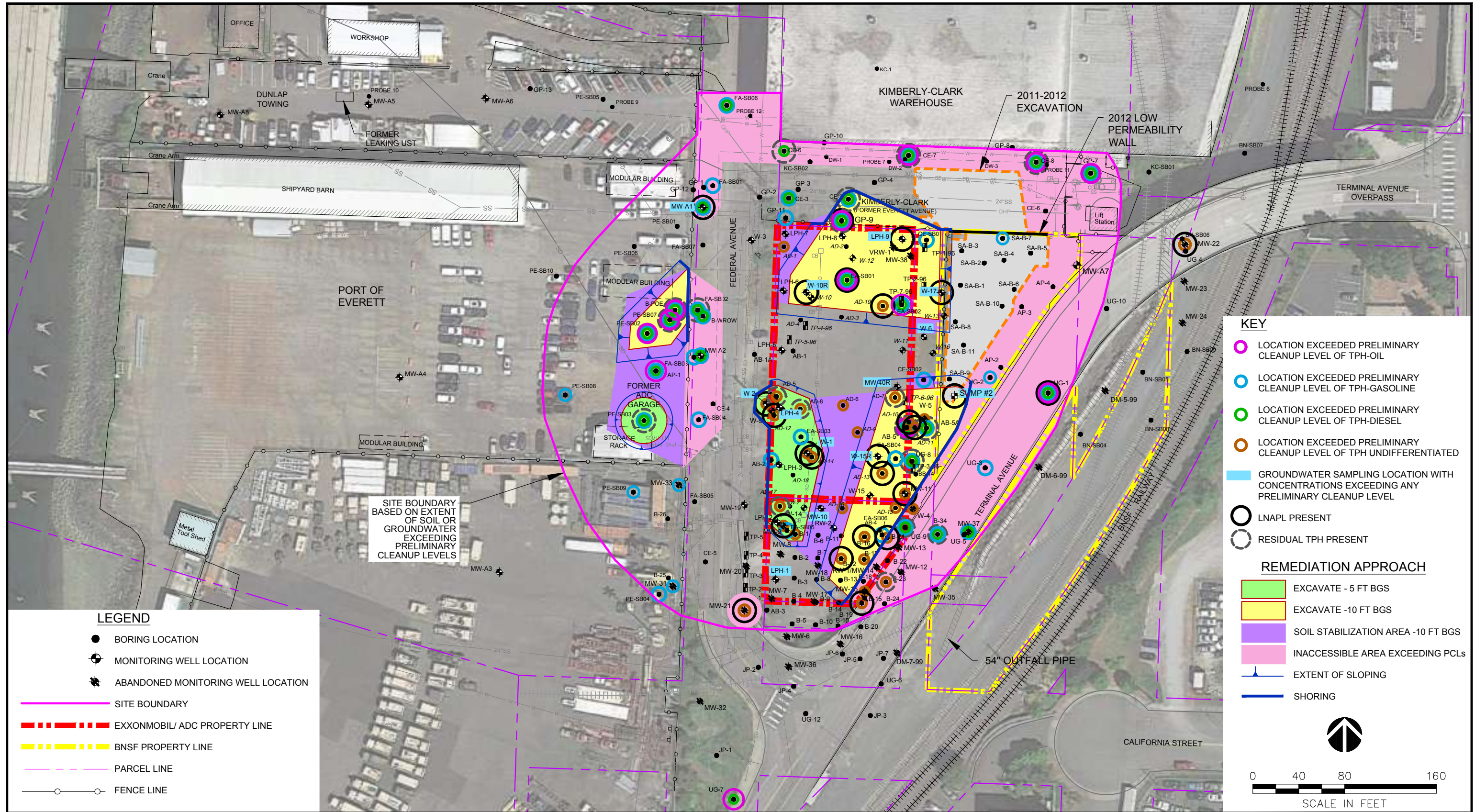
Wood Environment &
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Seattle, WA, U.S.A. 98101

DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE
**SOURCE AREA ALTERNATIVE 1:
LNAPL AREA EXCAVATION AND
NATURAL SOURCE ZONE ATTENUATION**

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
12-2



KEY

- LOCATION EXCEEDED PRELIMINARY CLEANUP LEVEL OF TPH-OIL
- LOCATION EXCEEDED PRELIMINARY CLEANUP LEVEL OF TPH-GASOLINE
- LOCATION EXCEEDED PRELIMINARY CLEANUP LEVEL OF TPH-DIESEL
- LOCATION EXCEEDED PRELIMINARY CLEANUP LEVEL OF TPH UNDIFFERENTIATED
- GROUNDWATER SAMPLING LOCATION WITH CONCENTRATIONS EXCEEDING ANY PRELIMINARY CLEANUP LEVEL
- LNAPL PRESENT
- RESIDUAL TPH PRESENT

REMEDIATION APPROACH

- EXCAVATE - 5 FT BGS
- EXCAVATE - 10 FT BGS
- SOIL STABILIZATION AREA - 10 FT BGS
- INACCESSIBLE AREA EXCEEDING PCLs
- EXTENT OF SLOPING
- SHORING

0 40 80 160
SCALE IN FEET

SITE BOUNDARY
BASED ON EXTENT
OF SOIL OR
GROUNDWATER
EXCEEDING
PRELIMINARY
CLEANUP LEVELS

LEGEND

- BORING LOCATION
- MONITORING WELL LOCATION
- ABANDONED MONITORING WELL LOCATION
- SITE BOUNDARY
- EXXONMOBIL/ ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE

- W WATER LINE
- 24-INCH FORCE MAIN
- SS SANITARY SEWER LINE
- 24"SS 24-INCH SANITARY SEWER LINE
- SD STORM DRAIN LINE
- T UNDERGROUND TELEPHONE



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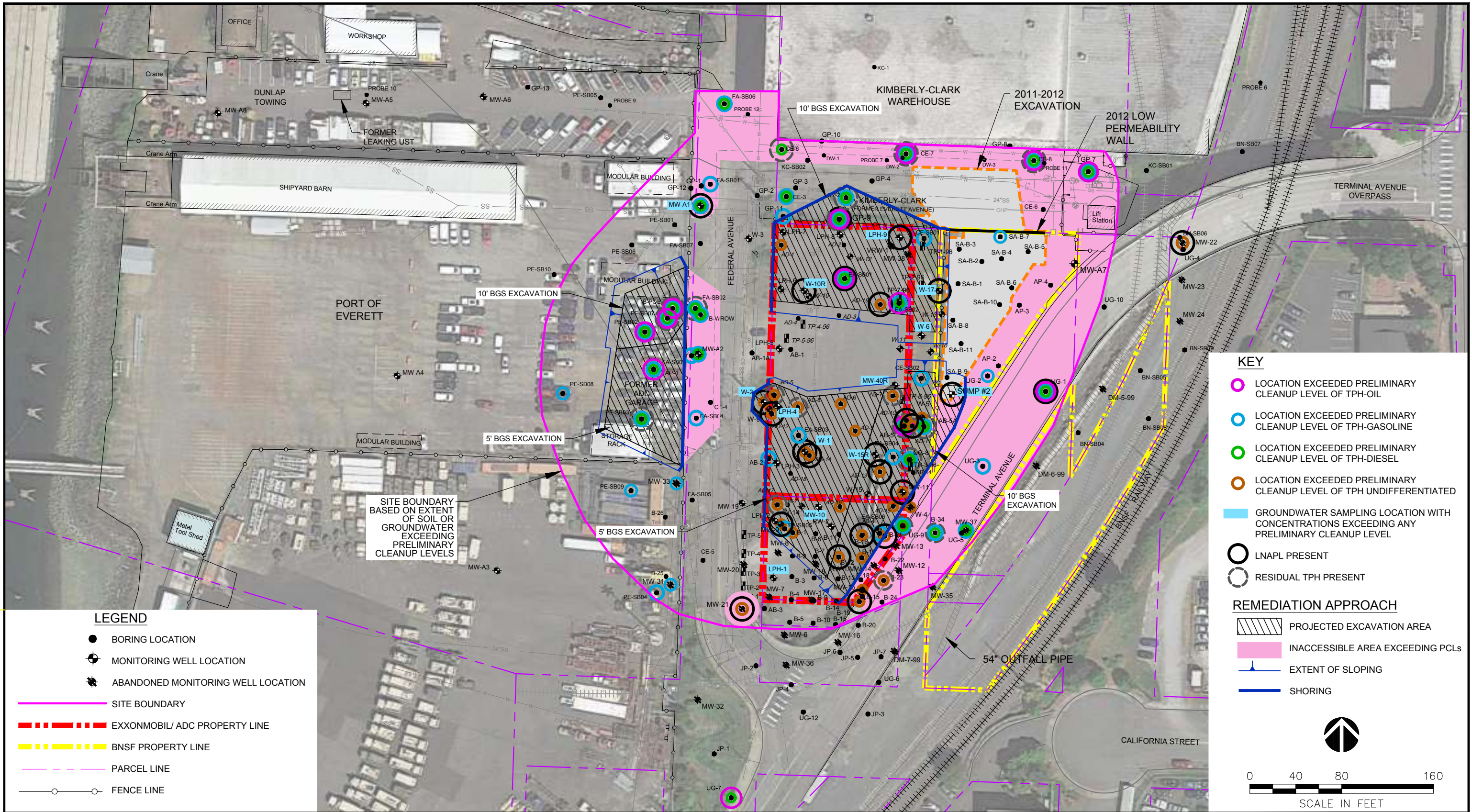
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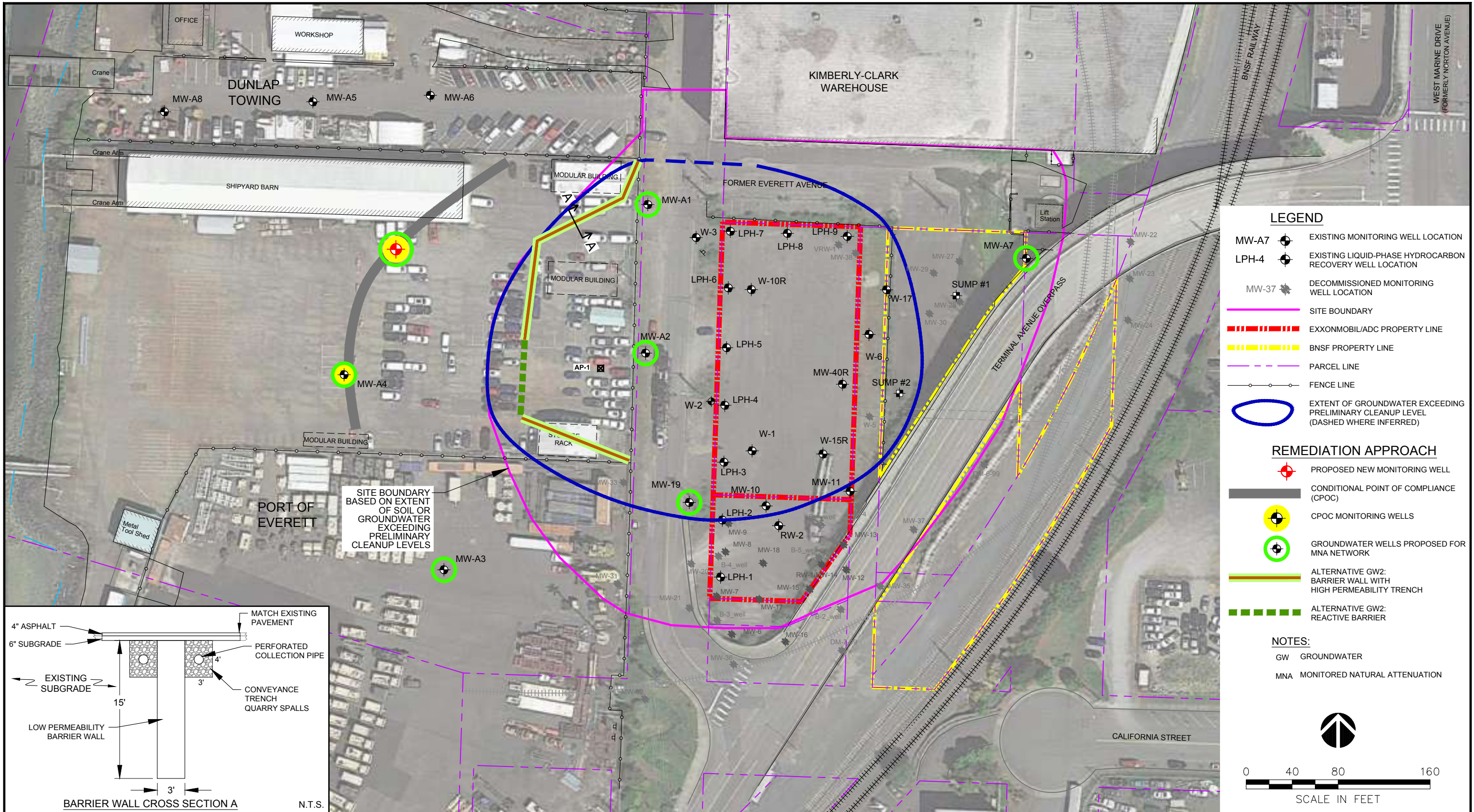
DWN BY: APS
CHK'D BY: LV
DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT
**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

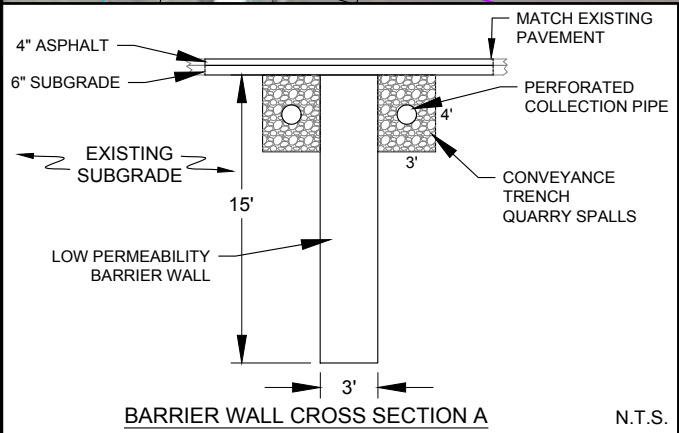
TITLE
**SOURCE AREA ALTERNATIVE 2:
LNAPL AREA EXCAVATION AND
SOURCE AREA STABILIZATION**

DATE:
SEPTEMBER 2018
PROJECT NO:
6103180009
REV. NO.:
FIGURE No.
12-3





SITE BOUNDARY BASED ON EXTENT OF SOIL OR GROUNDWATER EXCEEDING PRELIMINARY CLEANUP LEVELS



LEGEND

- MW-A7 EXISTING MONITORING WELL LOCATION
- LPH-4 EXISTING LIQUID-PHASE HYDROCARBON RECOVERY WELL LOCATION
- MW-37 DECOMMISSIONED MONITORING WELL LOCATION
- SITE BOUNDARY
- EXXONMOBIL/ADC PROPERTY LINE
- BNSF PROPERTY LINE
- PARCEL LINE
- FENCE LINE
- EXTENT OF GROUNDWATER EXCEEDING PRELIMINARY CLEANUP LEVEL (DASHED WHERE INFERRED)

REMEDIATION APPROACH

- PROPOSED NEW MONITORING WELL
- CONDITIONAL POINT OF COMPLIANCE (CPOC)
- CPOC MONITORING WELLS
- GROUNDWATER WELLS PROPOSED FOR MNA NETWORK
- ALTERNATIVE GW2: BARRIER WALL WITH HIGH PERMEABILITY TRENCH
- ALTERNATIVE GW2: REACTIVE BARRIER

NOTES:

- GW GROUNDWATER
- MNA MONITORED NATURAL ATTENUATION

0 40 80 160
SCALE IN FEET



CLIENT:

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DATUM: NAD 83 N FT
PROJECTION: WASP
SCALE: AS SHOWN

PROJECT

**EXXONMOBIL/ADC PROPERTY
ECOLOGY SITE ID 2728**

TITLE

**GROUNDWATER REMEDIATION ALTERNATIVES
GW1: MNA
GW2: FUNNEL AND GATE**

DATE:
SEPTEMBER 2018

PROJECT NO:
6103150009

REV. NO.:

FIGURE No.
12-5