

ExxonMobil Sensitive Receptor Survey

Site ID or MRN: **Pumphouse #1**

Facility Name: <input type="text" value="Moses Lake Pumphouse #1"/> <input type="text" value="Pumphouse #1"/> <small>(Name) (ID Number) Service Stations Only</small>				Receptor Information Complete? (✓ = Yes; ✗ = No) <ul style="list-style-type: none"> ✓ General Site Information ✓ Public Supply Wells ✓ Private Wells ✓ Surface Water / Wetlands ✓ Residential Buildings ✓ Public Use Areas ✓ Basements / Subgrade Parking ✓ Subways / Tunnels ✓ Sewers and Utility Corridors ✓ "Other" Receptors
Location: 7810 Andrews Street Northeast <small>(Street Address)</small> <input type="text" value="United States"/>				
<input type="text" value="Moses Lake"/>	<input type="text" value="Grant"/>	<input type="text" value="Washington"/>	<input type="text" value="98837"/>	
<small>(City)</small>	<small>(County)</small>	<small>(State)</small>	<small>(Zip / Postcode)</small>	
<input type="text" value="47.1932"/>	<input type="text" value="-119.3161"/>			
<small>(Latitude)</small>	<small>(Longitude)</small>	<small>(Country)</small>		
Prepared By: <input type="text" value="Environmental Resolutions, Inc."/> <input type="text" value="Benjamin T. Kortlever"/> <input type="text" value="12/11/2006"/> <small>(Company) (Contact Person) (Date)</small>				
Updated By: <input type="text" value="Edward Burnacci"/> <input type="text" value="12/4/2013"/> <small>(Contact Person) (Date)</small>				
Reviewed By: <input type="text" value="ExxonMobil"/> <input type="text" value="12/26/2013"/> <small>(Contact Person) (Date)</small>				
Ether Amended Fuels Status <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not <input type="radio"/> Unknown				
Is this facility currently or likely in the future to handle ether amended fuels above minimum levels (i.e., 0.5%) ? <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Not <input type="radio"/> Unknown				
Groundwater Resources <input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Not <input checked="" type="radio"/> Unknown				
General				
Is groundwater within 1,500m of the site being used for drinking water? <input checked="" type="radio"/> Yes <input type="radio"/> No				
If yes, is it considered a sole source aquifer ¹ ? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown				
Is groundwater in the region used for irrigation or other non-potable uses? <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Unknown				
Estimated depth to "first groundwater" ² (includes perched GW): <input type="text" value="28.0"/> m				
Is the first groundwater located in limestone or fractured rock? <input type="radio"/> Yes <input checked="" type="radio"/> No				
Estimated depth to "utilized regional aquifer" ³ : <input type="text" value="30.0"/> m				
Is the utilized regional aquifer located in limestone or fractured rock? <input type="radio"/> Yes <input checked="" type="radio"/> No <small>Important for URM Scoring</small>				
Public Water Supply Wells				
Is a public water supply well(s) ⁴ located within 1,500 meters of the site? <input type="radio"/> Yes <input checked="" type="radio"/> No				
Number of public water supply wells within 1,500 meters ⁵ : <input type="text" value="1"/>				
<small>For receptor data, see Annex "Public Water Supply Wells"</small>				
Private Water Wells				
Are there any regulations that prevent the installation of private water wells within 300 m? <input type="radio"/> Yes <input checked="" type="radio"/> No				
If yes, describe the regulations: <input type="text" value="Site is in middle of airport; 300 meters is still Port property"/>				
Offsite Potable Private Water Wells				
Are any <u>potable</u> private water wells located within 300 m of the site? <input type="radio"/> Yes <input checked="" type="radio"/> No				
Number of private <u>potable</u> offsite water wells within 300 m of the site ⁵ : <input type="text"/>				
<small>For receptor data, see Annex "Private Water Wells"</small>				
Offsite Non-Potable Private Water Wells				
Are any <u>non-potable</u> private water wells located within 300 m of the site? <input type="radio"/> Yes <input checked="" type="radio"/> No				
Number of private <u>non-potable</u> water wells within 300 m of the site ⁵ : <input type="text"/>				
<small>For receptor data, see Annex "Private Water Wells"</small>				
Surface Water Bodies and Wetlands <input type="radio"/> Yes <input checked="" type="radio"/> No				
Is a surface water body, wetland, or specially designated environmental habitat ⁷ located				
Number of surface water bodies, wetlands, or specially designated environmental habitats ⁷ within 300 m of the site: <input type="text"/>				
<small>For receptor data, see Annex "Surface Water Bodies and Wetlands"</small>				

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Residential Buildings

Yes No

Are residential buildings located within 100 m of the site?

For receptor data, see Annex "Residential Buildings"

Number of residential buildings within 100 m of the site:

Yes No

Public Use Areas

Is a Sensitive Public Use Area located within 100m of the site? (Including a hospital or medical clinic with overnight stay, nursing home, school, child care center, religious center, and any other public use area endorsed in advance as an exception by the Zone Asset Manager, the EMES Retail Manager, and the Global Asset Management Manager. Examples of items not included are medical or dental offices, playgrounds, and other recreational areas.)

For receptor data, see Annex "Public Use Areas"

Number of public use areas within 100 m of the site:

Sub-Grade Structures

Basements or Below Grade Parking in Other Buildings

Do any other buildings located within 100 m of the site and not already identified above have basements or below grade parking?

For receptor data, see Annex "Sub-Grade Structures"

Number of basements or buildings with below grade parking within 100 m of the site:

Subways/Transportation Tunnels

Is there a subsurface mass transit system or tunnel located within 100 m of the site?

For receptor data, see Annex "Subways/Transportation Tunnels"

Number of subways/tunnels within 100 m of the site:

Sewers and Utility Corridors

Are there any storm or sanitary sewers or utility corridors that can act as preferential conduits for potential offsite migration?

For receptor data, see Annex "Storm and Sanitary Sewers"

Number of Sewers or Utility Corridors:

1

"Other" Receptors

Do any other receptors or important facts not captured in this form, need to be identified?

For receptor data, see Annex "Other Receptors"

Describe below:

There are no commercial or residential parcels within 100 meters of the site.

Drawings (Optional)			
If available, provide existing drawings. See details below of example content.			
Onsite receptors identified on form			
• Local Area Map or Aerial Photo (Site plus approximately 300 m in all directions)			
Offsite Public Wells	Surface Water Bodies	Wetlands	Sensitive Public Use Areas
Offsite Private Wells	Subways/Tunnels	Buildings	Other Receptors
• Regional Area Map (Site plus approximately 1,500 m in all directions)			
Offsite Public Wells	Topography	Major Surface Water Bodies	

Notes:

1. **Sole Source Aquifer:** The groundwater unit must be designated as such by a regulatory authority or the groundwater unit that would be impacted by a release is the only source of drinking water for local users.
2. **First Groundwater:** The first (i.e., shallowest) groundwater-bearing unit encountered below ground surface; includes perched groundwater.
3. **Utilized Regional Groundwater:** A groundwater-bearing unit present at a site which is utilized for drinking water or other beneficial use (i.e., agriculture or industry).
4. **Public Water Supply Wells:** Include both large community public wells for municipalities and smaller systems for housing developments, non-transient non-community public wells for schools, daycare centers, hospitals, and apartment complexes, and transient non-community public wells for restaurants and campgrounds.
5. For Public Water Supply and Private Well locations, use local records and drive the area to identify well locations.
6. **Private Wells:** Do not include monitoring or observation wells.
7. **Specially designated environmental habitats:** Include government-designated wildlife refuges, game preserves, marine sanctuaries, protected rivers, wildlife corridors, etc.

RECEPTOR DATA ANNEX

Groundwater Resources

Public Water Supply Wells	
Well Number:	1
Well Identification:	178303
Owner:	City of Moses Lake
Water Use:	Drinking
If other, describe:	
Type of Public Supply Well ^{1,2,3} :	Municipal
Active:	Yes
Distance from the Site (m):	990.00
Direction From The Site:	S
Is site located over a Designated Source Water Protection Zone ⁴ :	No
If yes, provide the Protection Zone designation and description:	
Topographically/Hydraulically downgradient:	No
Approximate Capacity (m ³ /hr):	340
Screened Interval--Top (m, BGS):	Unknown
Screened Interval--Bottom (m, BGS):	Unknown
Well Screened in lower aquifer with >10m thick aquitard between shallow aquifer?	Unknown
Information Verified in Field or with Owner:	Yes

Private Water Wells
Well Number
Well Identification:
Owner:
Street Address:
Water Use:
If other, describe:
Active:
Distance from the Site (m):
Direction From The Site:
Topographically/Hydraulically Downgradient:
Approximate Capacity (m ³ /hr):
Screened Interval--Top (m, BGS):
Screened Interval--Bottom (m, BGS):
Well Screened in lower aquifer with >10m thick aquitard between shallow aquifer?
Information Verified in Field or with Owner:

RECEPTOR DATA ANNEX**Surface Water Bodies and Wetlands**

Surface Water Body Number:

Name:

Potable Use:

Type of Resource:

Uses of Surface Water Body:

Distance from Site to Resource (m):

Direction from Site to Resource:

Information Verified in Field:

Residential Buildings

Residential Building Number:

Type of Residential Building:

Owner:

Estimated Occupancy:

Distance from Site to Residential Building (m):

Direction from Site to Residential Building:

Topographically/Hydraulically Downgradient:

Basement Present in Residential Building:

Below Grade Parking Present in Residential Building:

Water Supply Source for Residential Building:

Information Verified in Field:

Public Use Areas

Public Use Area Number:

Name:

Type of Public Use Area:

Distance from Site to Public Use Area (m):

Direction from Site to Public Use Area:

Topographically/Hydraulically Downgradient:

Basement present in Public Use Building:

Below Grade Parking Present in Public Use Building:

Likely to have a sump in Basement or Below Grade Parking:

Water Supply Source for Public Use Area:

Information Verified in Field:

RECEPTOR DATA ANNEX

Sub-Grade Structures

Basements or Below Grade Parking in Other Buildings

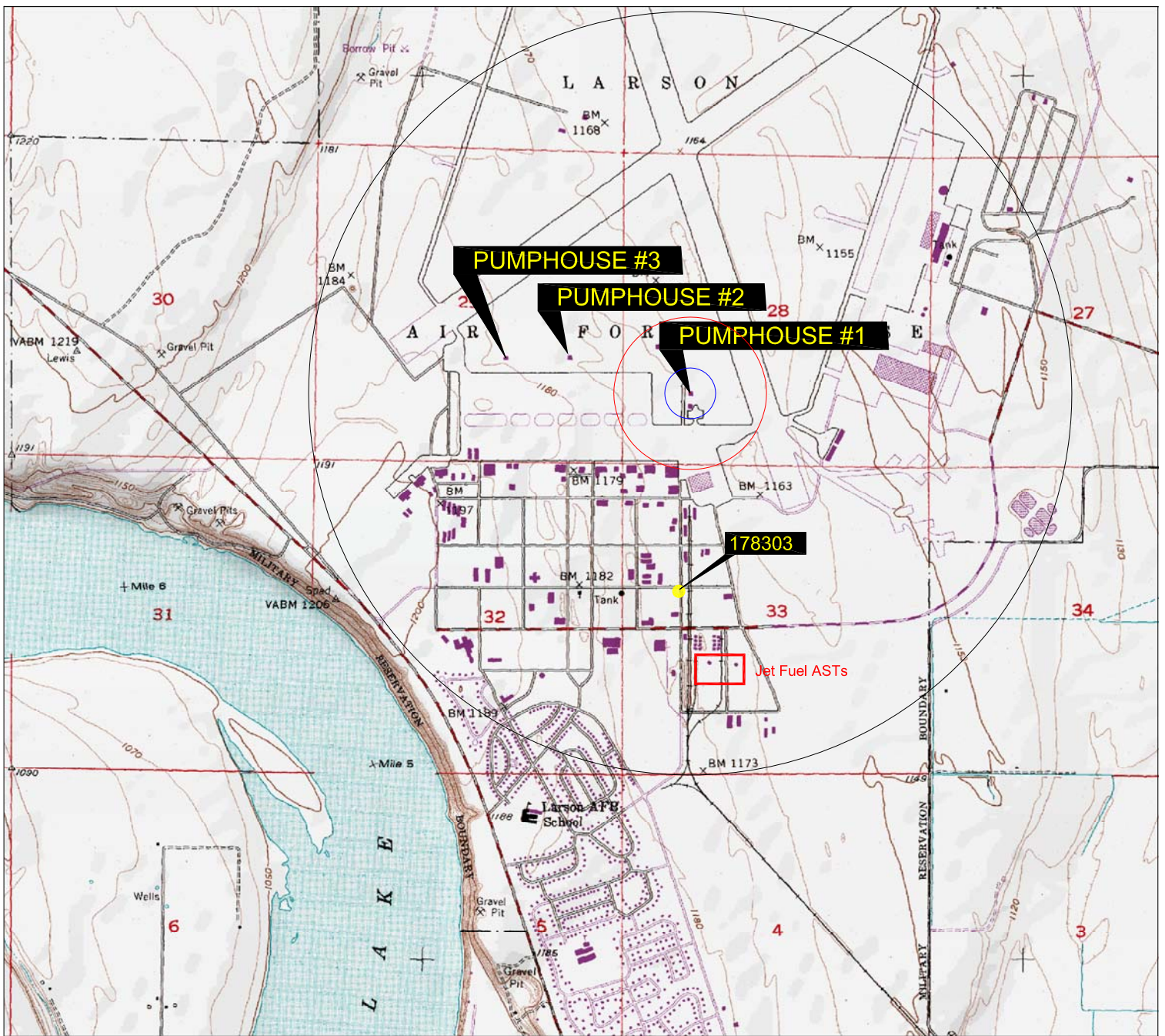
Basement or Below Grade Parking Number:
 Type of Other Building:
 If other, describe:
 Type of Subsurface Structure:
 Likely to have a sump in Basement:
 Distance from Site to Other Building (m):
 Topographically/Hydraulically Downgradient:
 Information Verified in Field:

Subways/Transportation Tunnels

Subway / Tunnel Number:
 Description:
 Direction from Site to Subway / Tunnel:
 Is Subway / Tunnel Topographically / Hydraulically downgradient from Site:
 Information Verified in Field:

Sewers and Utility Corridors

Sewer or Utility Corridor Number:	1
Type:	Water
Perimeter Location:	E
Depth to base (bottom) of Sewer / Utility Corridor:	Unknown
Information Verified in Field:	Yes



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 DeLorme 3-D TopoQuads®. Data copyright of content owner.
 com

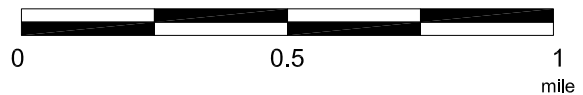
FN 0312270001

EXPLANATION

- 100 Meter radius of the site
- No domestic well located within 300 Meter radius of the site
- One municipal well located within 1,500 Meter radius of the site
- Drinking Water Well



APPROXIMATE SCALE



SOURCE:
 Modified from a map
 provided by
 DeLorme 3-D TopoQuads



REGIONAL AREA MAP
 GRANT COUNTY AIRPORT
 FORMER FUELING FACILITIES
 7810 Andrews Street Northeast
 Moses Lake, Washington

PROJECT NO.

031227

PLATE




1

EJB: 07/25/13



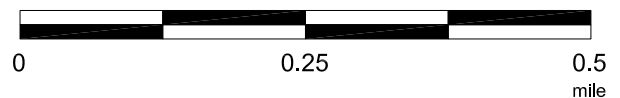
FN 0312270003

EXPLANATION

-  No domestic well located within 300 Meter radius of the site
-  Site
-  Commercial Buildings



APPROXIMATE SCALE



SOURCE:
Modified from a map
provided by
Grant County GIS



SITE VICINITY MAP (PUMPHOUSE #1)

GRANT COUNTY AIRPORT
FORMER FUELING FACILITIES
7810 Andrews Street Northeast
Moses Lake, Washington

PROJECT NO.

031227

PLATE

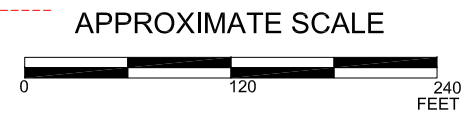
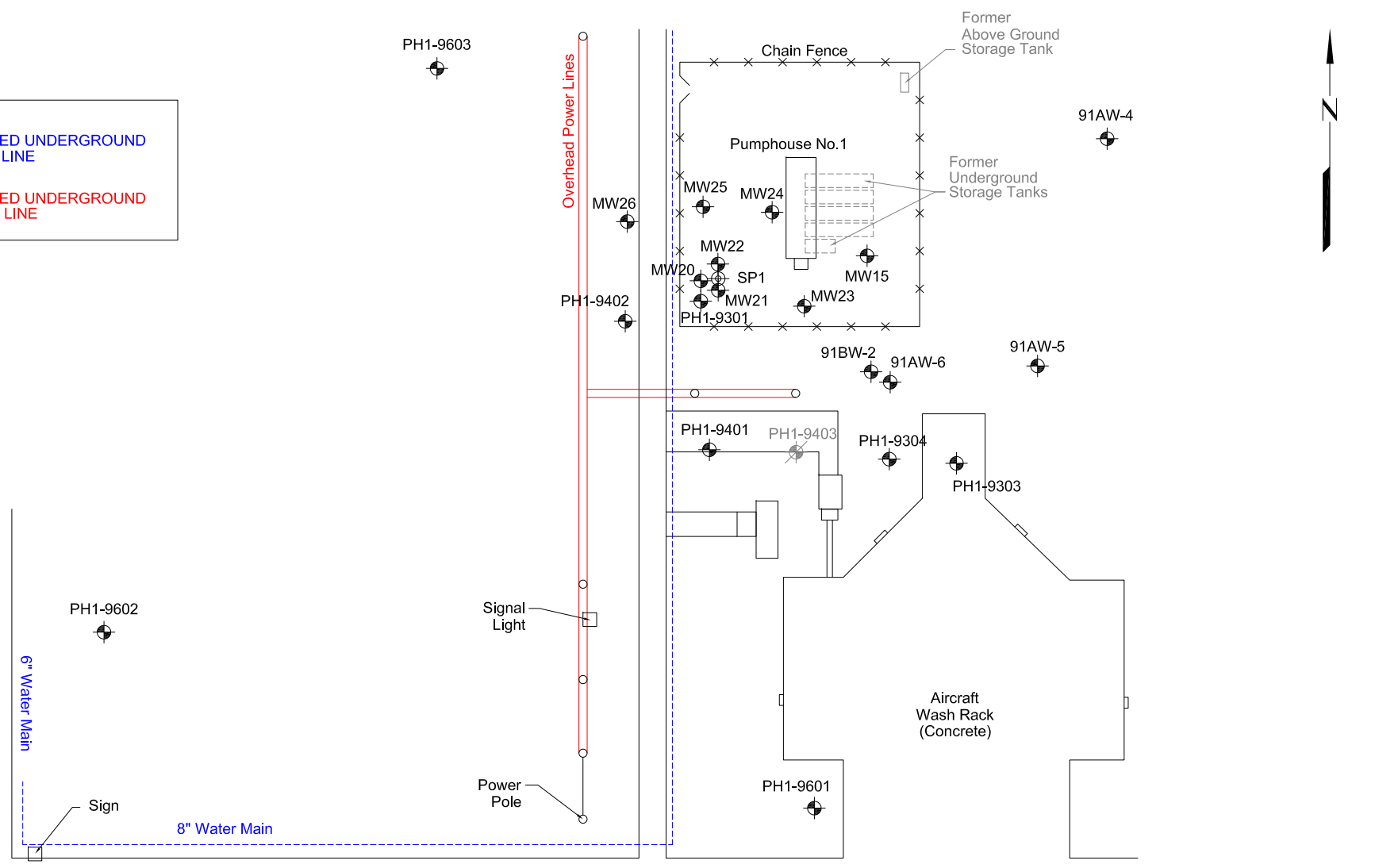
2

EJB: 09/10/13

UTILITIES

----- INFERRED UNDERGROUND WATER LINE

----- INFERRED UNDERGROUND POWER LINE



SOURCE: Modified from maps provided by SECOR International Inc.

FN 0312270002

GENERALIZED SITE AND UTILITIES PLAN (PUMPHOUSE #1)
 GRANT COUNTY AIRPORT
 FORMER FUELING FACILITIES
 7810 Andrews Street Northeast
 Moses Lake, Washington

EXPLANATION	
PH1-9603	Groundwater Monitoring Well
PH1-9403	Destroyed Groundwater Monitoring Well

PROJECT NO.
031227
PLATE
3
EJB: 07/25/13