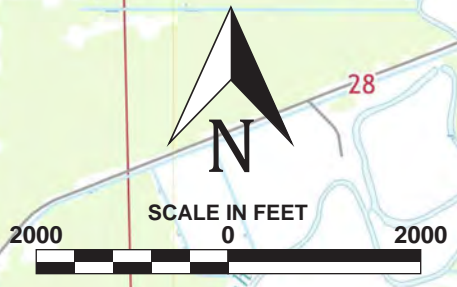
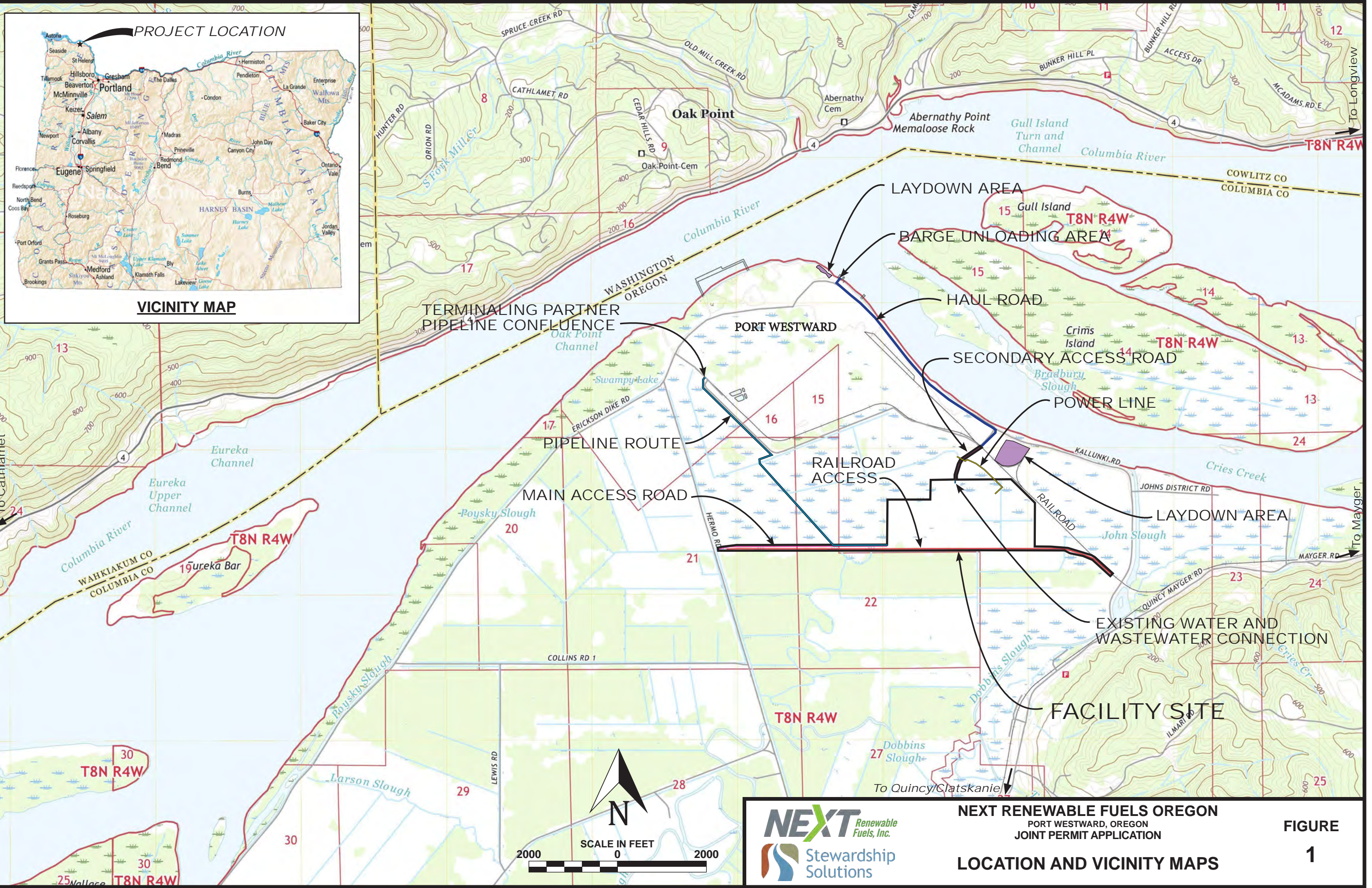
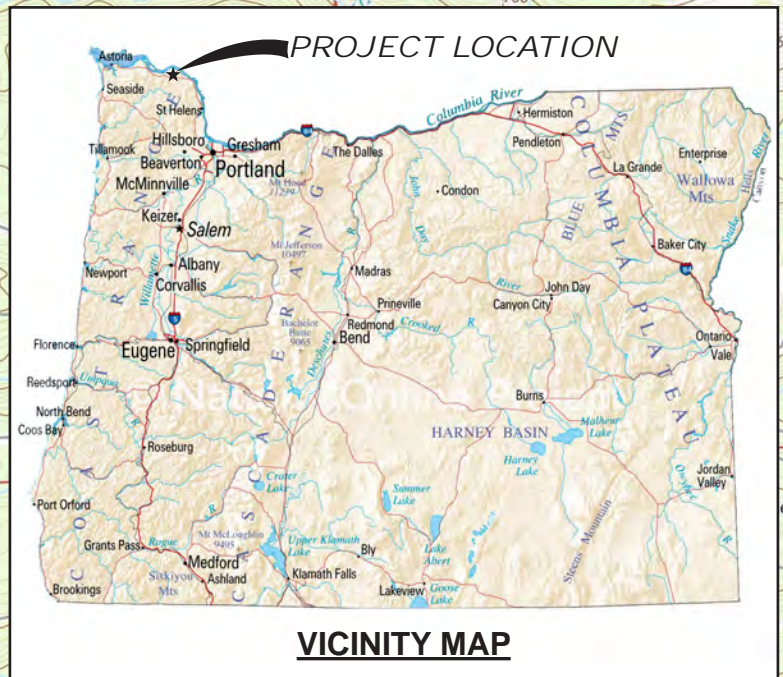


# FIGURES

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## JPA Figures 1-19



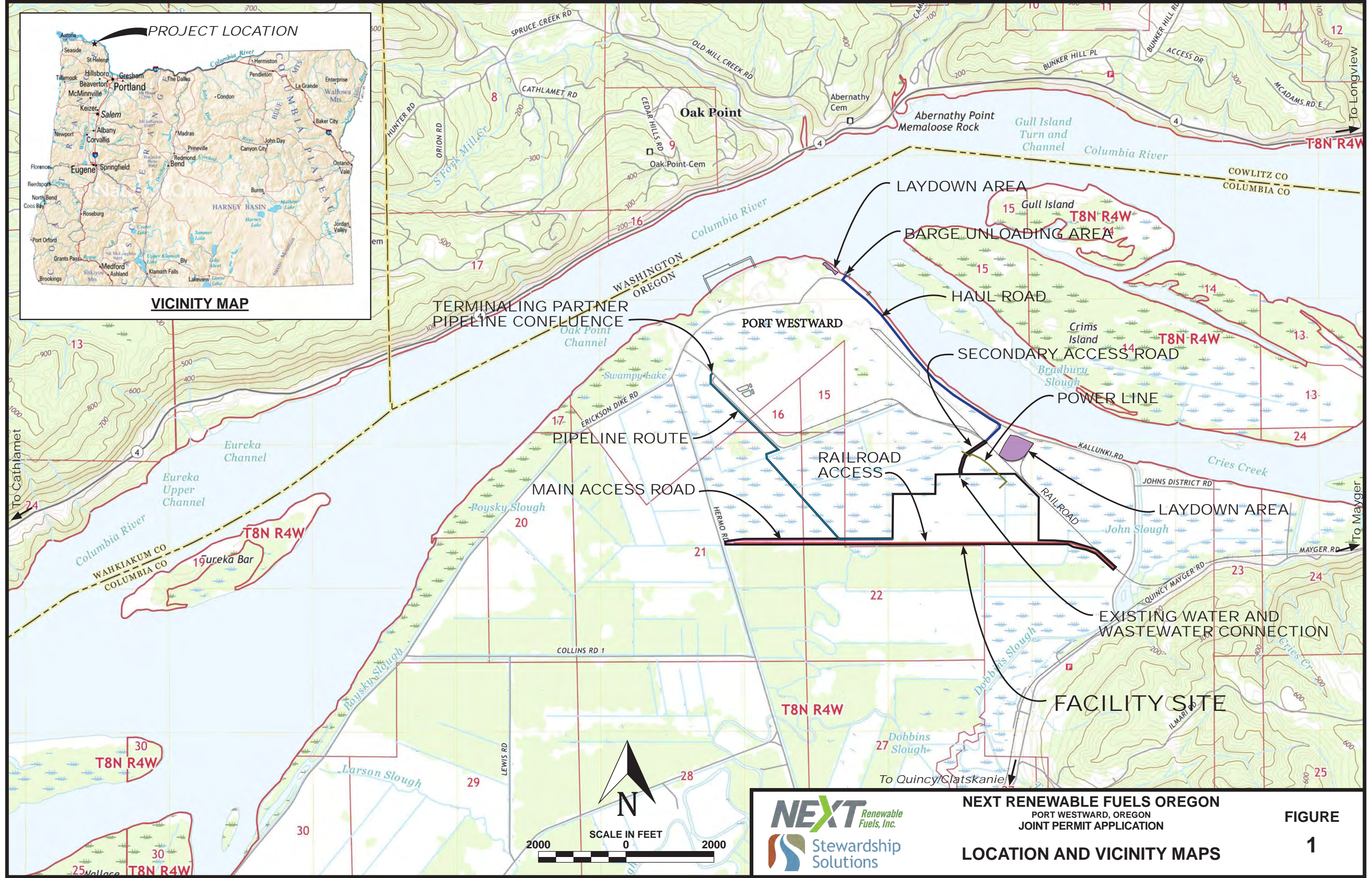
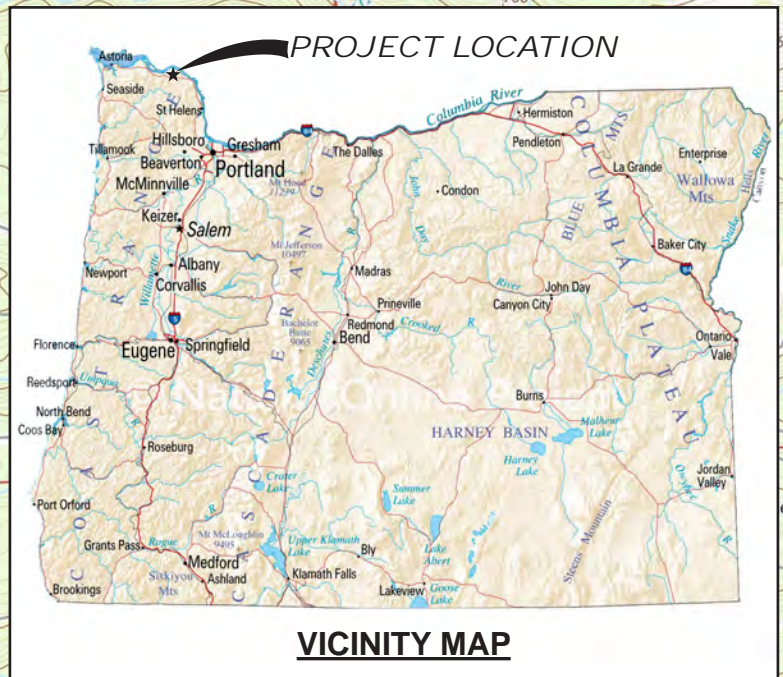


**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION

**LOCATION AND VICINITY MAPS**

**FIGURE**  
**1**

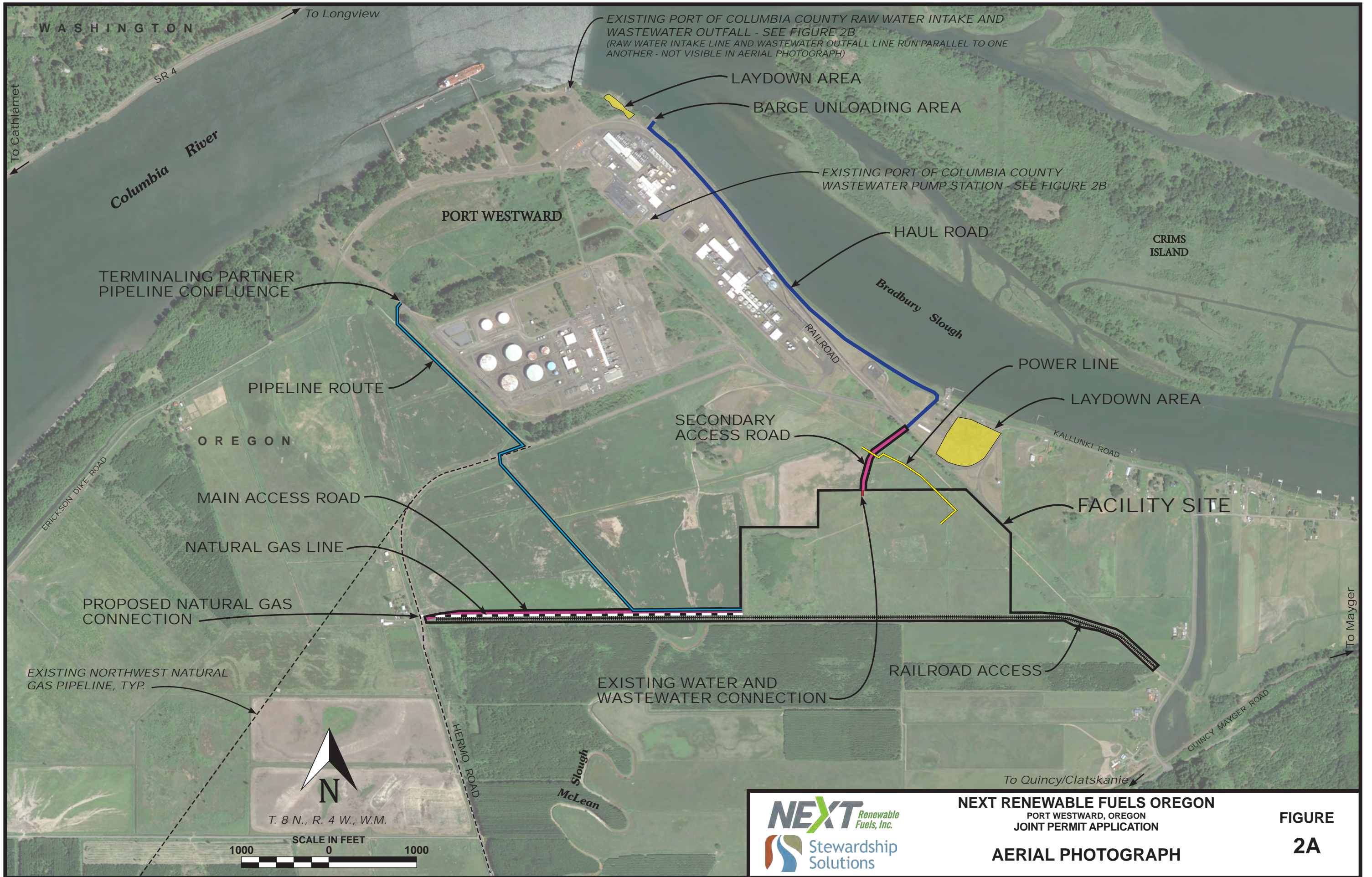




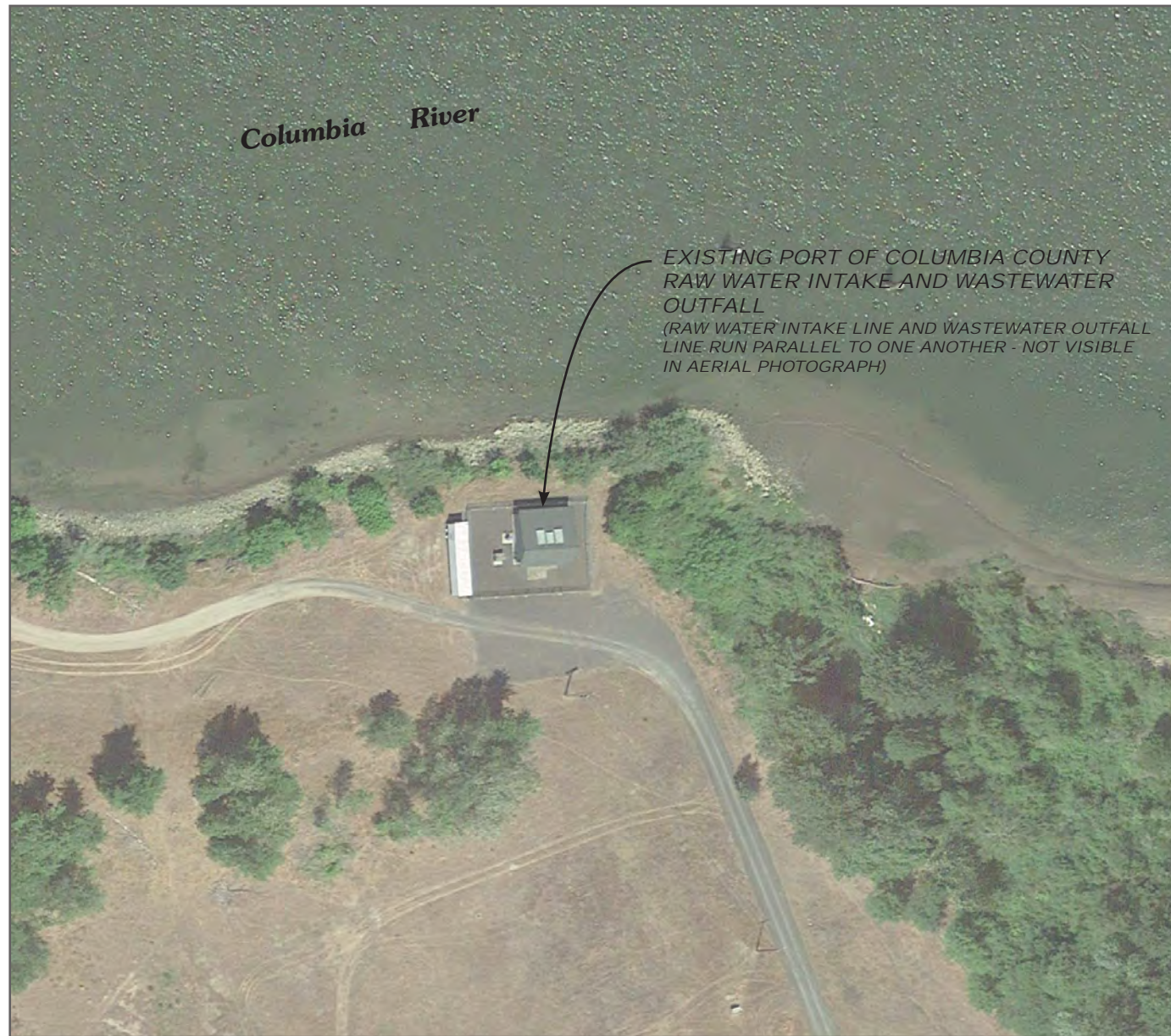
**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**LOCATION AND VICINITY MAPS**

**FIGURE**  
**1**









T. 8 N., R. 4 W., W.M.

SCALE IN FEET



**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION

**AERIAL PHOTOGRAPH**

**FIGURE  
 2B**



THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

0 100 200 400 Feet

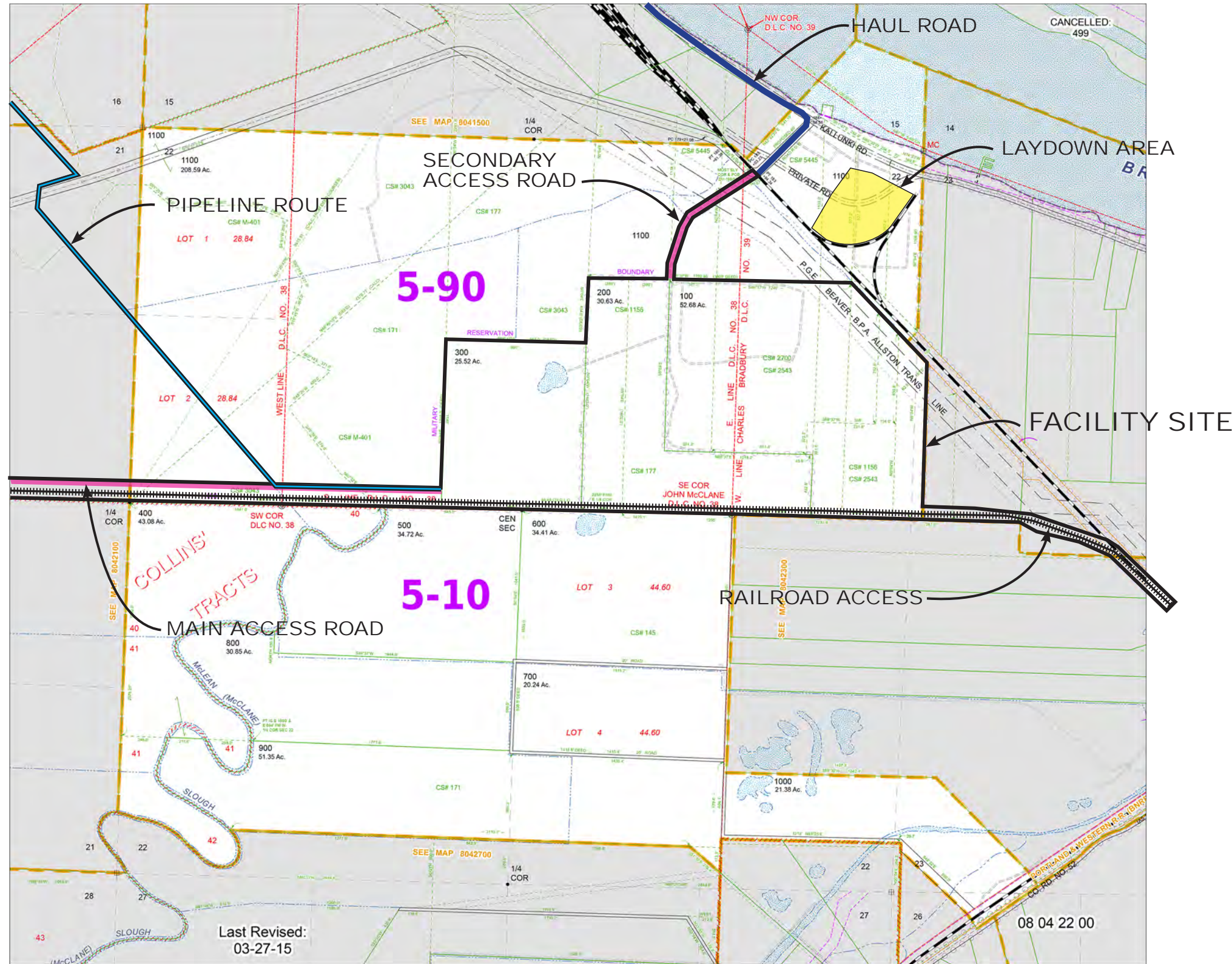
SECTION 22 T.8N. R.4W. W.M.  
COLUMBIA COUNTY

08 04 22 00



T. 8 N., R. 4 W., W.M.

SCALE IN FEET  
800 0 800



Last Revised:  
03-27-15

08 04 22 00

**NOTE:**  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR SCHEMATIC UTILITY LOCATIONS FOR FACILITY SITE.



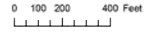
NEXT RENEWABLE FUELS OREGON  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

TAX LOT MAP 1 - 080422

FIGURE  
3A

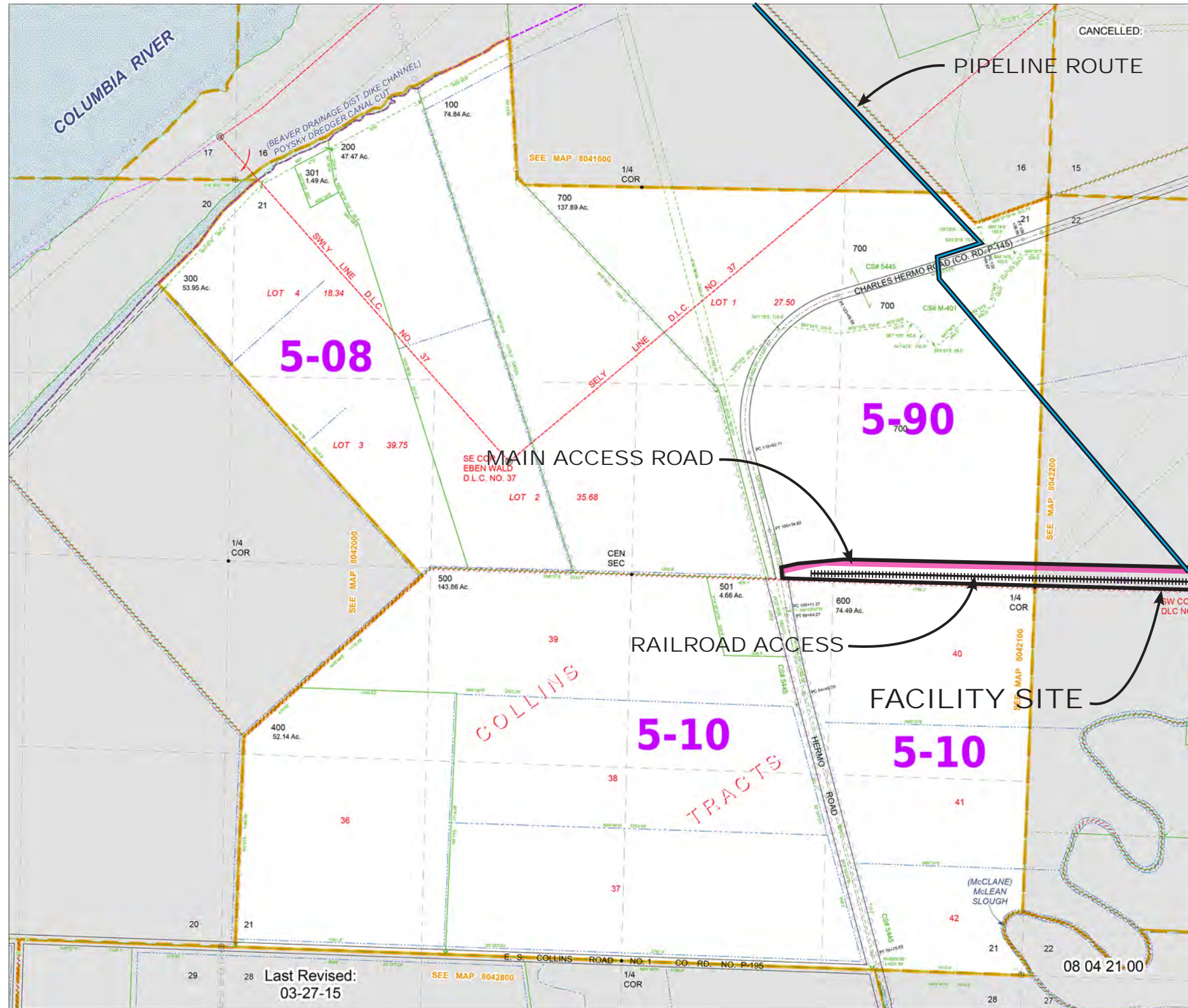


THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY



SECTION 21 T.8N. R.4W. W.M.  
COLUMBIA COUNTY

08 04 21 00



T. 8 N., R. 4 W., W.M.



NEXT-PortWestwardIPA-Rev2 Feb. 22, 2023

Last Revised:  
03-27-15

**NOTE:**  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR SCHEMATIC UTILITY LOCATIONS FOR FACILITY SITE.



**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

**TAX LOT MAP 2 - 080421**

**FIGURE  
3B**







THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

N.W.1/4 SEC.23 T.8N. R.4W. W.M.

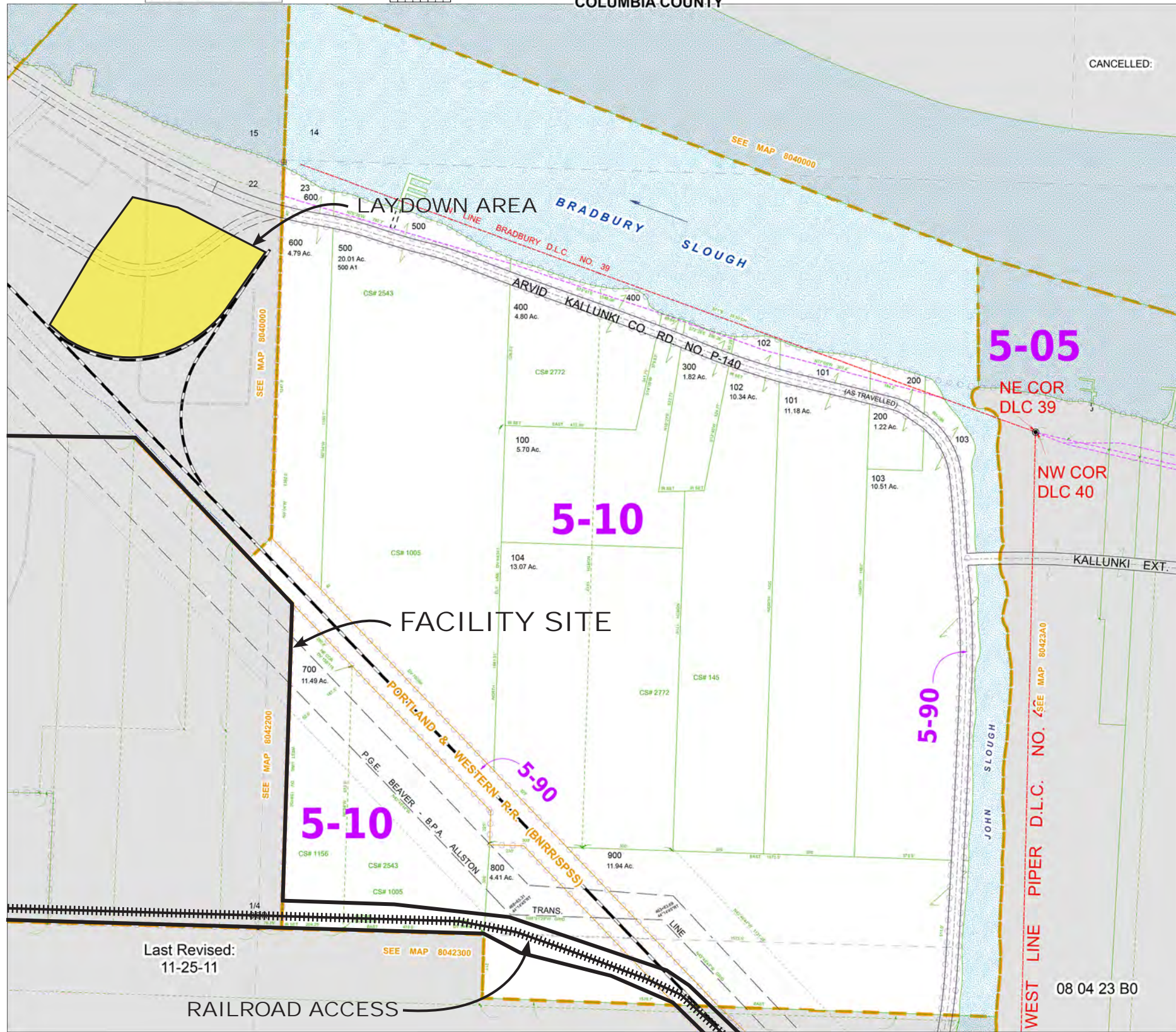
08 04 23 B0

COLUMBIA COUNTY

CANCELLED:



T. 8 N., R. 4 W., W.M.



Last Revised:  
11-25-11

**NOTE:**  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR SCHEMATIC UTILITY LOCATIONS FOR FACILITY SITE.



**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
**TAX LOT MAP 4 - 080423B**

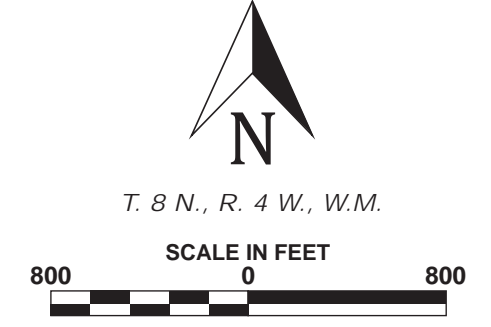
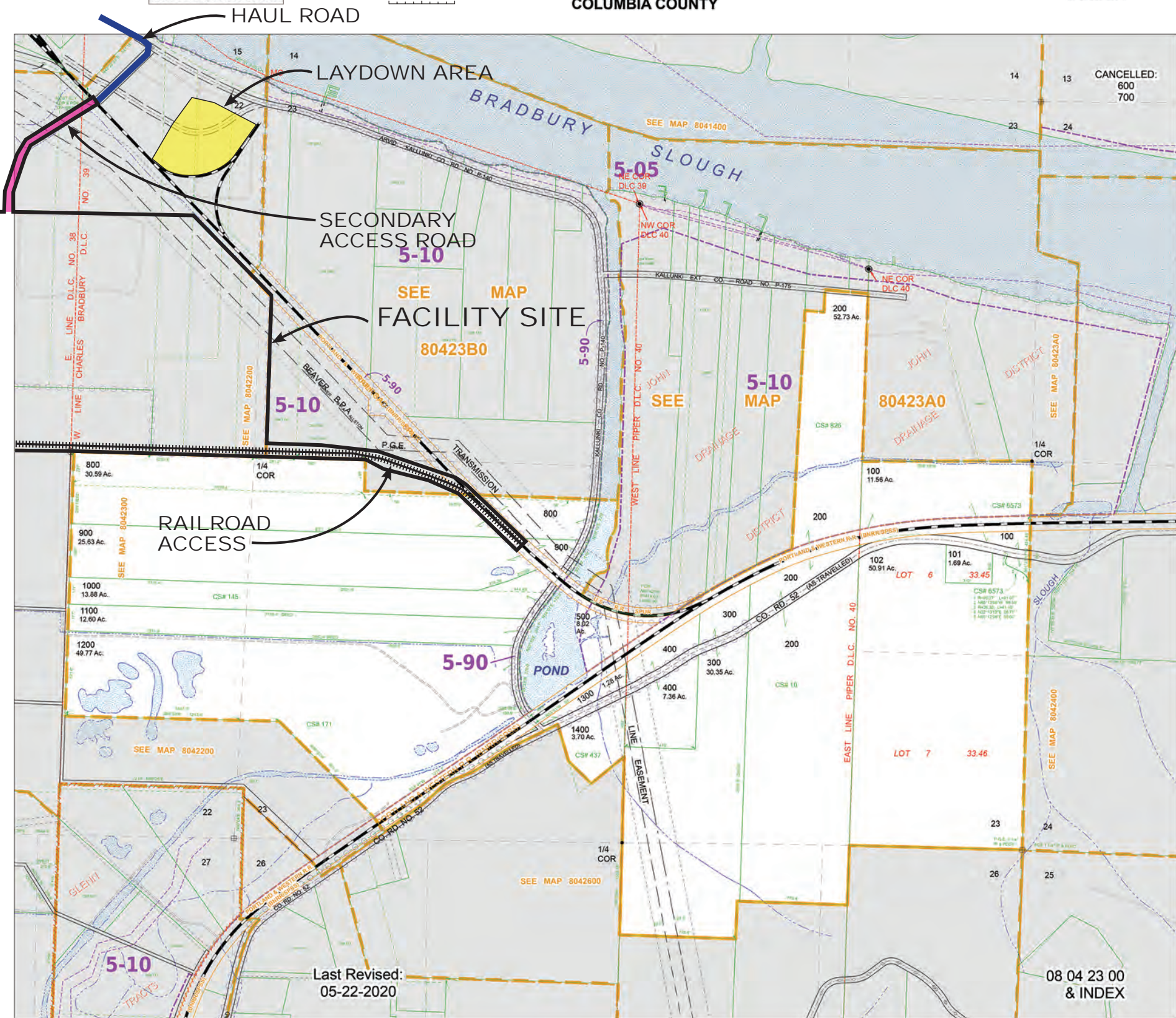
**FIGURE**  
**3D**



THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

SECTION 23 T.8N. R.4W. W.M.  
COLUMBIA COUNTY

08 04 23 00  
& INDEX



Last Revised:  
05-22-2020

08 04 23 00  
& INDEX

**NOTE:**  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR SCHEMATIC UTILITY LOCATIONS FOR FACILITY SITE.

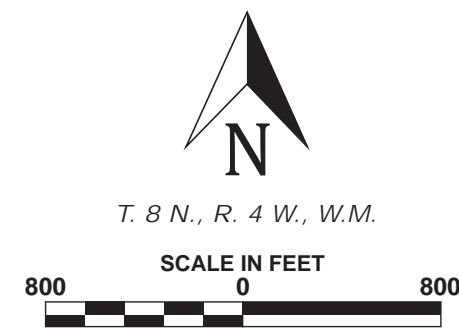
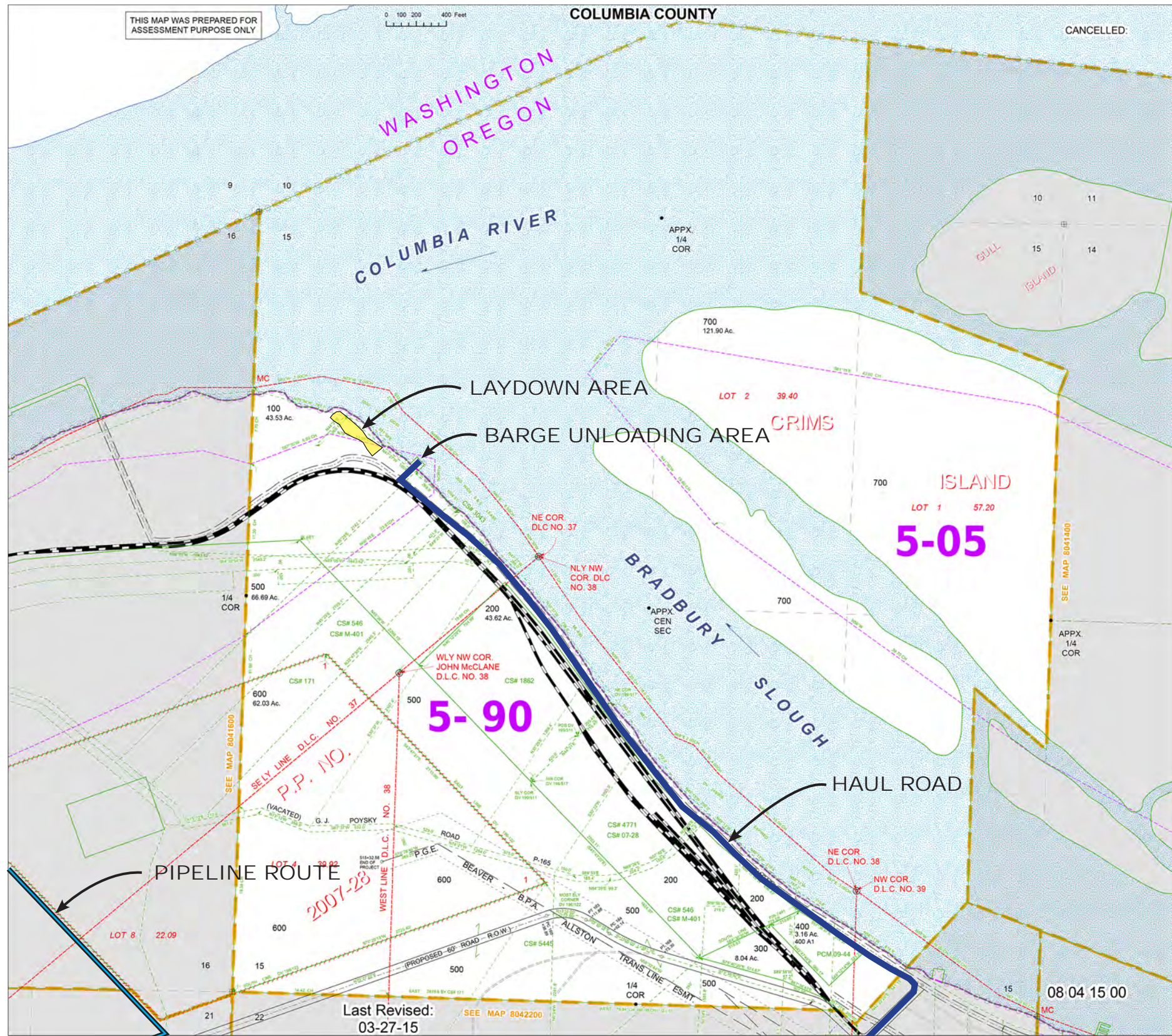


**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**TAX LOT MAP 5 - 080423**

**FIGURE  
3E**

NEXT-PortWestwardIPA-Rev2 Feb. 21, 2023





NEXT-PortWestwardJPA-Rev2 Feb. 22, 2023

**NOTE:**  
 SEE AERIAL PHOTOGRAPH FIGURE 2 FOR  
 SCHEMATIC UTILITY LOCATIONS FOR  
 FACILITY SITE.



**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**TAX LOT MAP 6 - 080415**

**FIGURE**  
**3F**





**PHOTOGRAPH 1 - Overview photo of Port Westward.**



**PHOTOGRAPH 2 - Looking west from the secondary access road.**





**PHOTOGRAPH 3 - Looking east at the power line corridor.**



**PHOTOGRAPH 4 - Looking north at Columbia Pacific Bio Refinery.**





**PHOTOGRAPH 5 - Looking south from the secondary access road.**



**PHOTOGRAPH 6 - Existing water/wastewater connection.**





**PHOTOGRAPH 7 - Staging Area 3 - North Staging Area, looking from south to north from the unloading dock to the Columbia River. Photo taken by Sue Brady, AP biologist.**



**PHOTOGRAPH 8 - Staging Area 3 - Unloading Dock on Bradbury Slough, looking from Kallunki Road to the northeast towards Bradbury Slough. Photo taken by Sue Brady, AP biologist.**



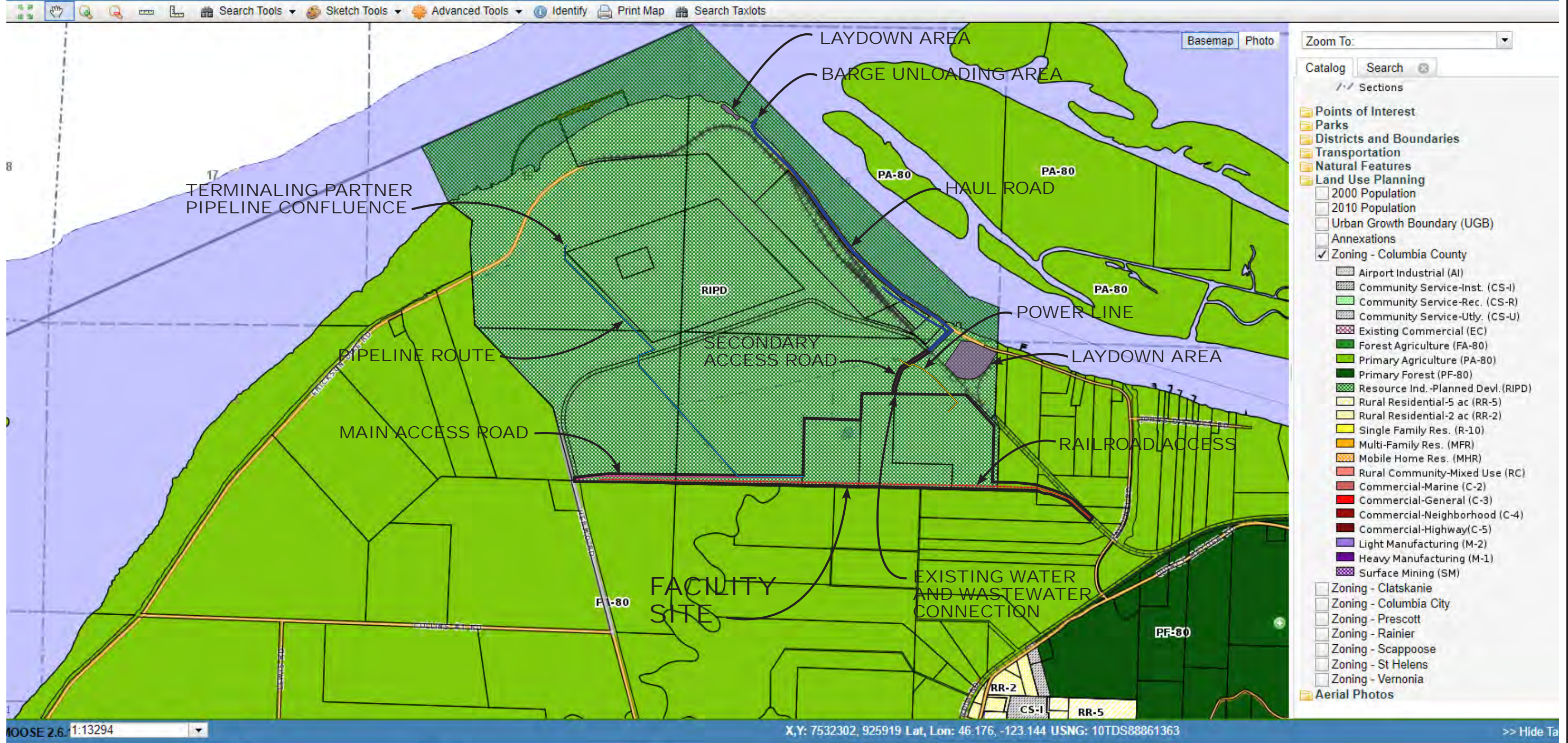


**PHOTOGRAPH 9 - Staging Area 3 - Haul Road, Kallunki Road looking north to south. Photo taken by Sue Brady, AP biologist.**



**PHOTOGRAPH 10 - Staging Area 3 - South Laydown Area, looking from the southeast to the northwest. Photo taken by Sue Brady, AP biologist.**





NEXT-PortWestwardIPA-Rev2 Feb. 22, 2023



T. 8 N., R. 4 W., W.M.  
N.T.S.

MAP OBTAINED FROM:  
<https://www.columbiacountyor.gov/gis-mapping>

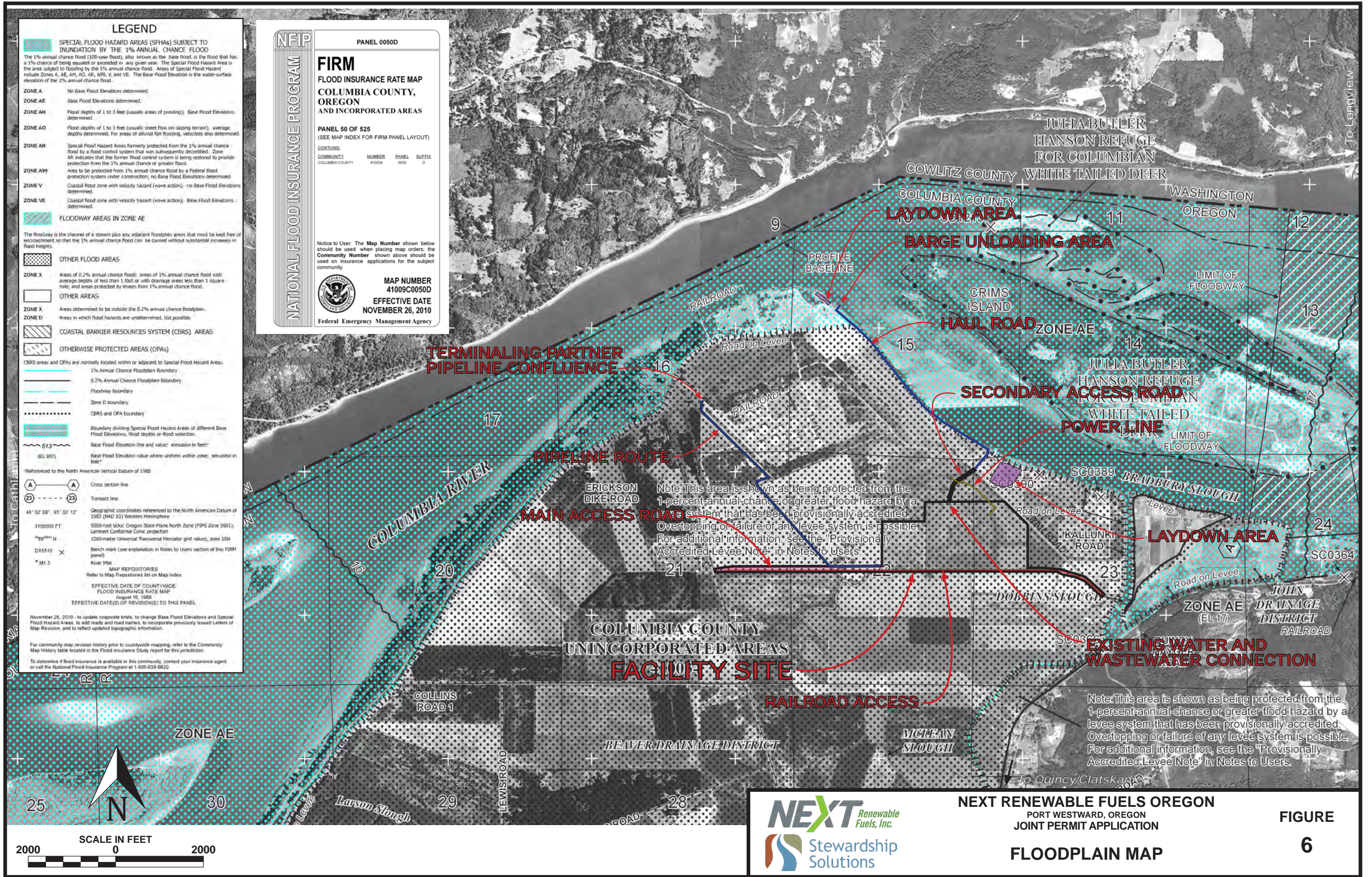


NEXT RENEWABLE FUELS OREGON  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

ZONING MAP

FIGURE  
5







**BUILDING AREA SUMMARY:**

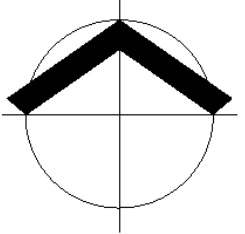
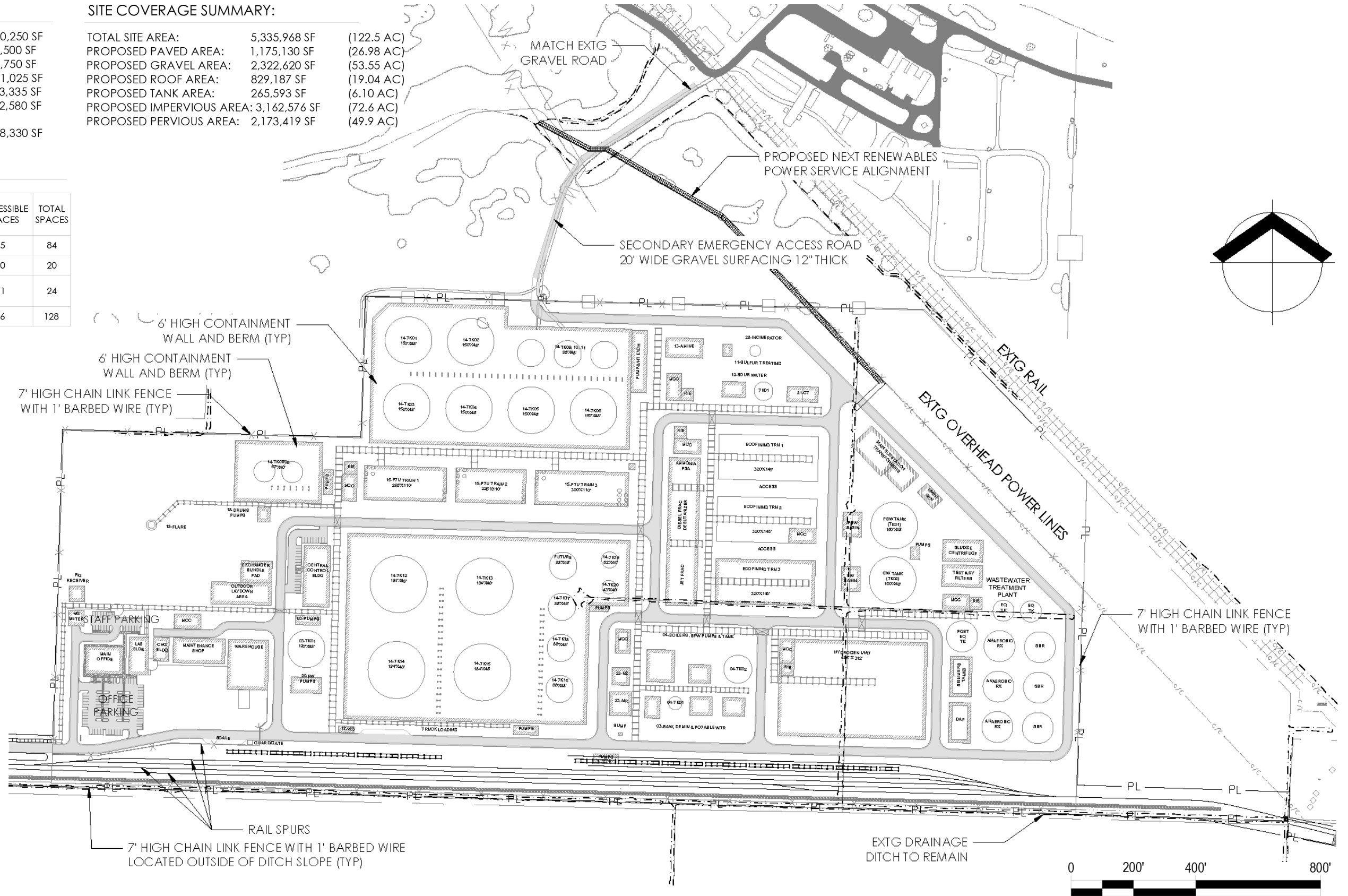
MAIN OFFICE:	20,250 SF
LAB:	7,500 SF
CHANGE BUILDING:	3,750 SF
WAREHOUSE:	21,025 SF
MAINTENANCE:	13,335 SF
CENTRAL CONTROL:	12,580 SF
<b>TOTAL BUILDING FLOOR AREA:</b>	<b>78,330 SF</b>

**SITE COVERAGE SUMMARY:**

TOTAL SITE AREA:	5,335,968 SF	(122.5 AC)
PROPOSED PAVED AREA:	1,175,130 SF	(26.98 AC)
PROPOSED GRAVEL AREA:	2,322,620 SF	(53.55 AC)
PROPOSED ROOF AREA:	829,187 SF	(19.04 AC)
PROPOSED TANK AREA:	265,593 SF	(6.10 AC)
PROPOSED IMPERVIOUS AREA:	3,162,576 SF	(72.6 AC)
PROPOSED PERVIOUS AREA:	2,173,419 SF	(49.9 AC)

**PARKING SUMMARY:**

	STANDARD SPACES	ACCESSIBLE SPACES	TOTAL SPACES
OFFICE PARKING	79	5	84
STAFF PARKING	20	0	20
CONTROL BLDG PARKING	23	1	24
<b>TOTAL PARKING</b>	<b>122</b>	<b>6</b>	<b>128</b>



**NOTE:**  
ACCESS ROADS, RAILROAD ACCESS, UTILITIES, ETC. NOT SHOWN ON THIS FIGURE FOR CLARITY. SEE AERIAL PHOTOGRAPH, FIGURE 2, FOR SCHEMATIC LOCATIONS.

SITE PLAN PROVIDED BY MAUL FOSTER ALONGI

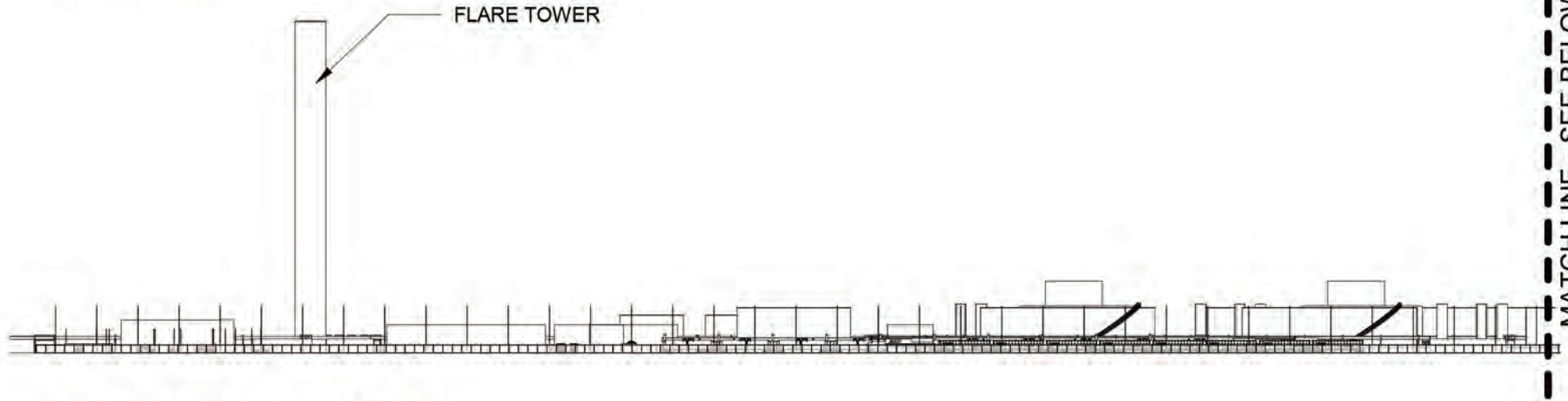


**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

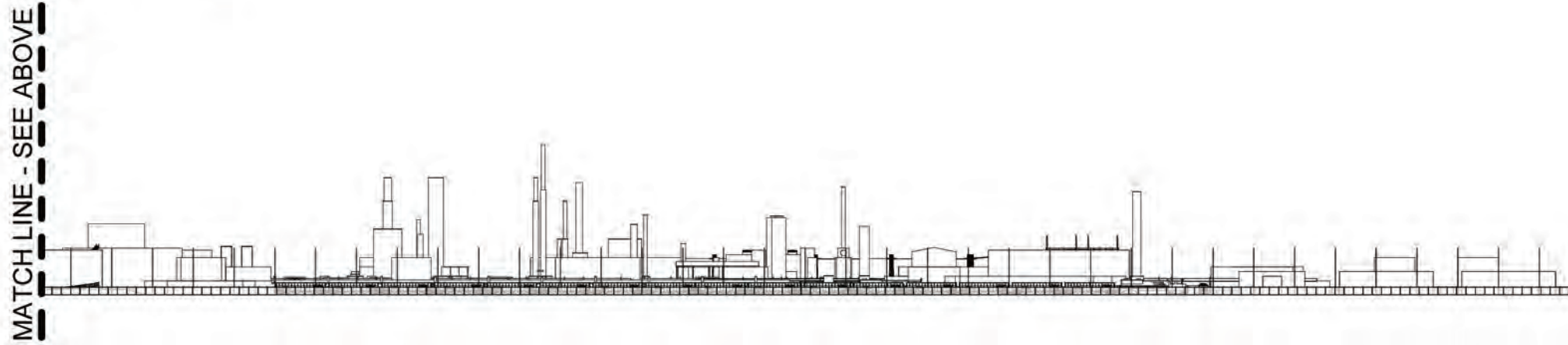
**SITE LAYOUT**

**FIGURE 7A**





1 SOUTH ELEVATION  
1" = 160'-0"



2 SOUTH ELEVATION  
1" = 160'-0"

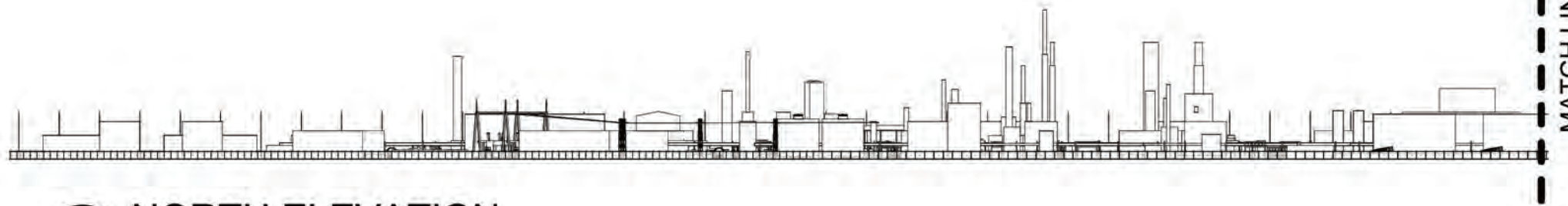
NEXT RENEWABLE FUELS  
PORT WESTWARD, COLUMBIA COUNTY, OR

SOUTH ELEVATION





HORIZ SCALE: 1" = 160'-0"  
 VERTI SCALE: 1" = 160'-0"

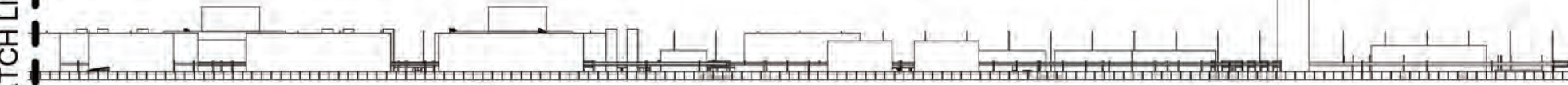


MATCH LINE - SEE BELOW

1 NORTH ELEVATION  
 1" = 160'-0"

MATCH LINE - SEE ABOVE

FLARE TOWER



2 NORTH ELEVATION  
 1" = 160'-0"

NEXT RENEWABLE FUELS  
 PORT WESTWARD, COLUMBIA COUNTY, OR

NORTH ELEVATION



NEXT RENEWABLE FUELS OREGON  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
 NORTH ELEVATION

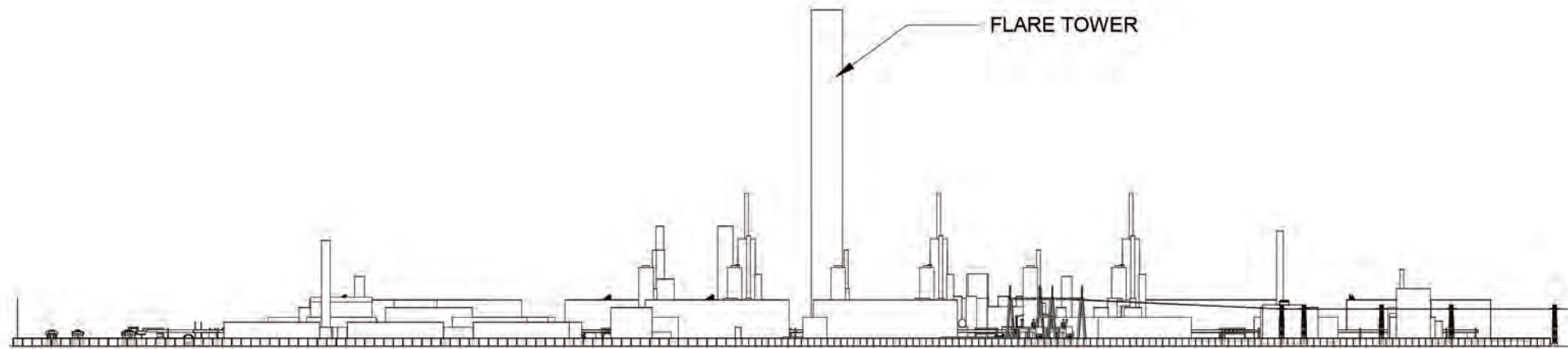
FIGURE  
 7C



0' 80' 160' 320' 480'



HORIZ SCALE: 1" = 160'-0"  
VERTI SCALE: 1" = 160'-0"



1 EAST ELEVATION  
- 1" = 160'-0"

NEXT RENEWABLE FUELS  
PORT WESTWARD, COLUMBIA COUNTY, OR

EAST ELEVATION



NEXT RENEWABLE FUELS OREGON  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

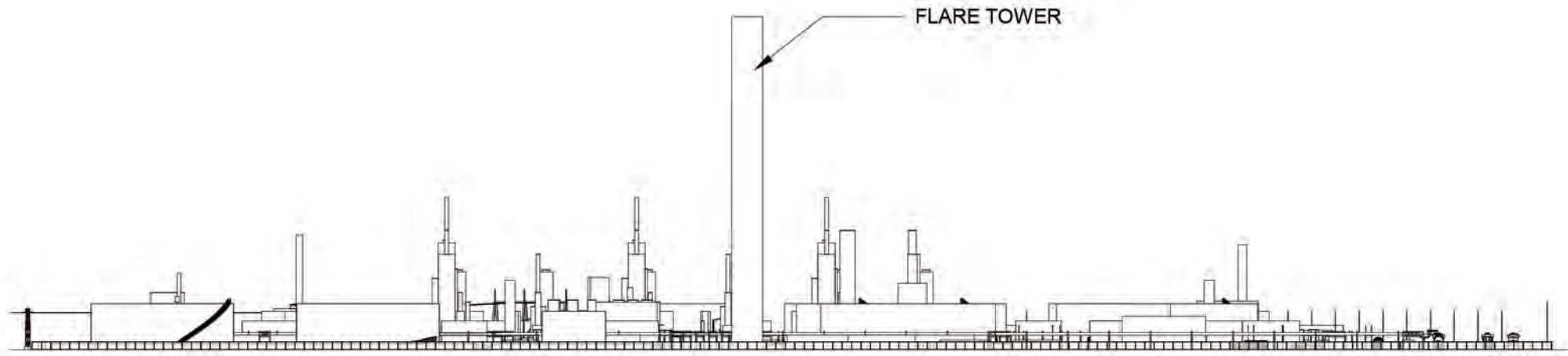
EAST ELEVATION

FIGURE  
7D





HORIZ SCALE: 1" = 160'-0"  
 VERTI SCALE: 1" = 160'-0"



1 WEST ELEVATION  
 - 1" = 160'-0"

NEXT RENEWABLE FUELS  
 PORT WESTWARD, COLUMBIA COUNTY, OR

WEST ELEVATION



NEXT RENEWABLE FUELS OREGON  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
 WEST ELEVATION

FIGURE  
 7E

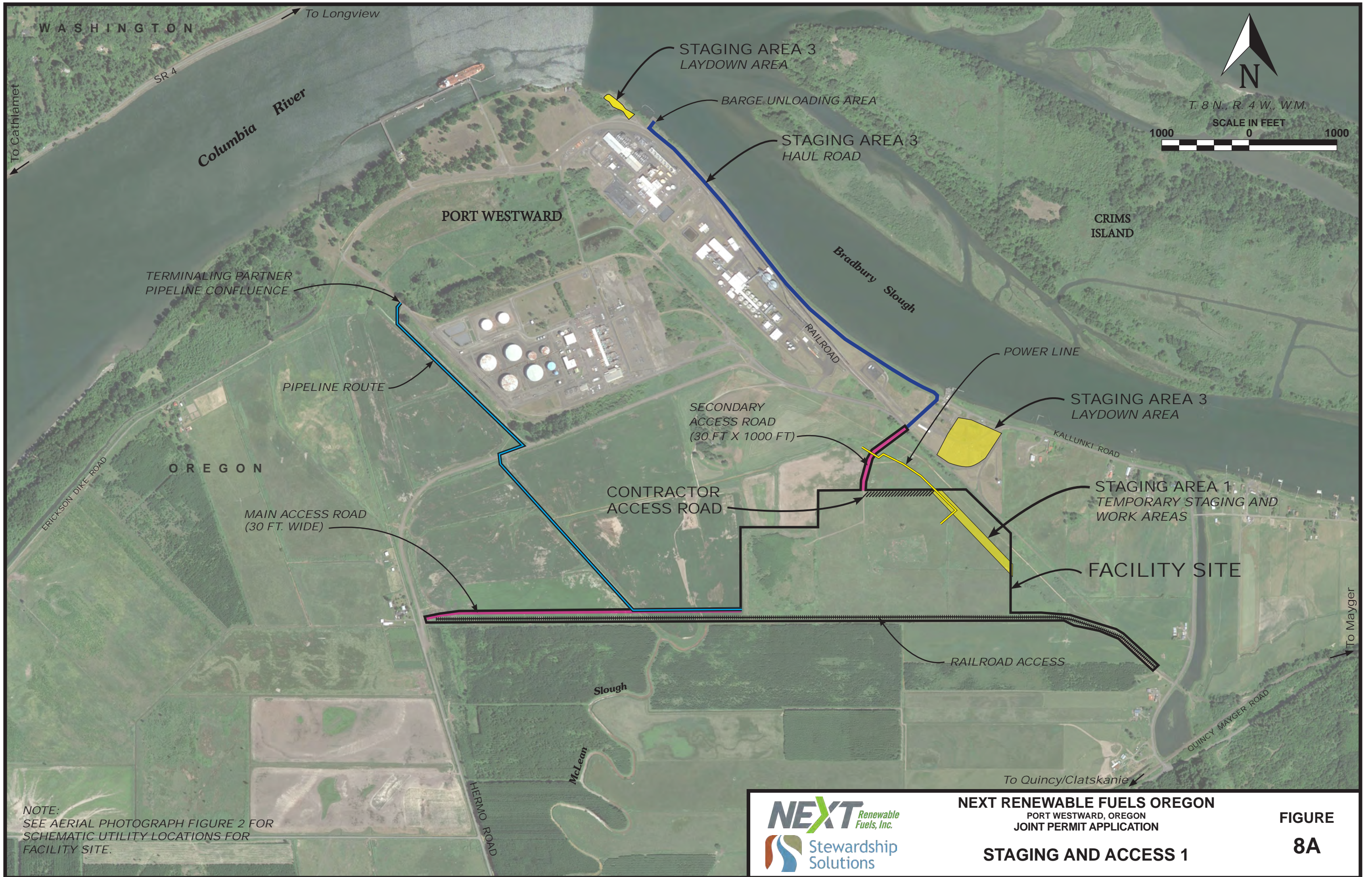




**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
**AERIAL PHOTO SITE RENDERING**

**FIGURE**  
**7F**





NEXT-PortWestwardJPA-Rev2 Feb. 22, 2023

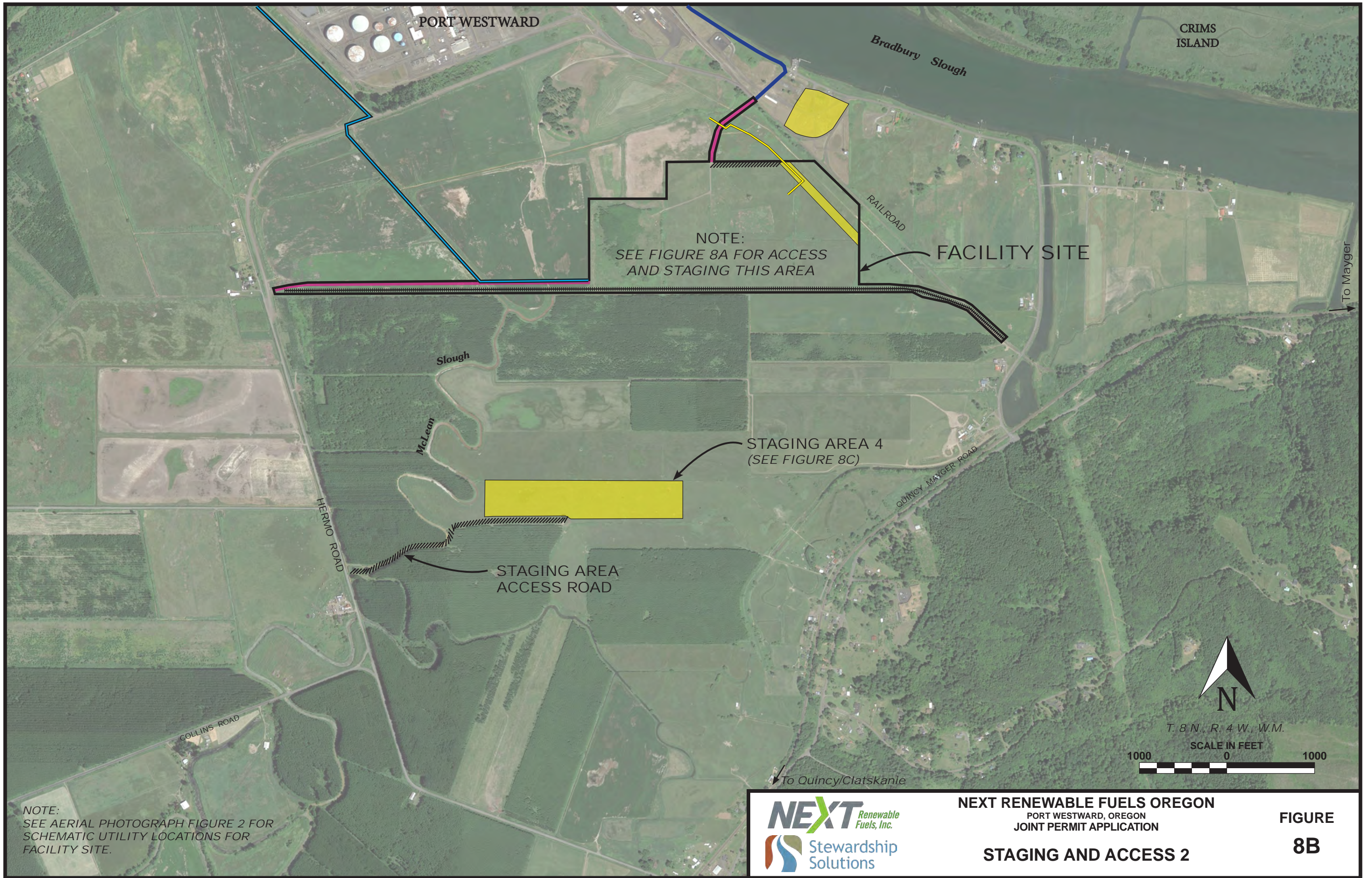
NOTE:  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR  
SCHEMATIC UTILITY LOCATIONS FOR  
FACILITY SITE.



**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
**STAGING AND ACCESS 1**

**FIGURE  
8A**





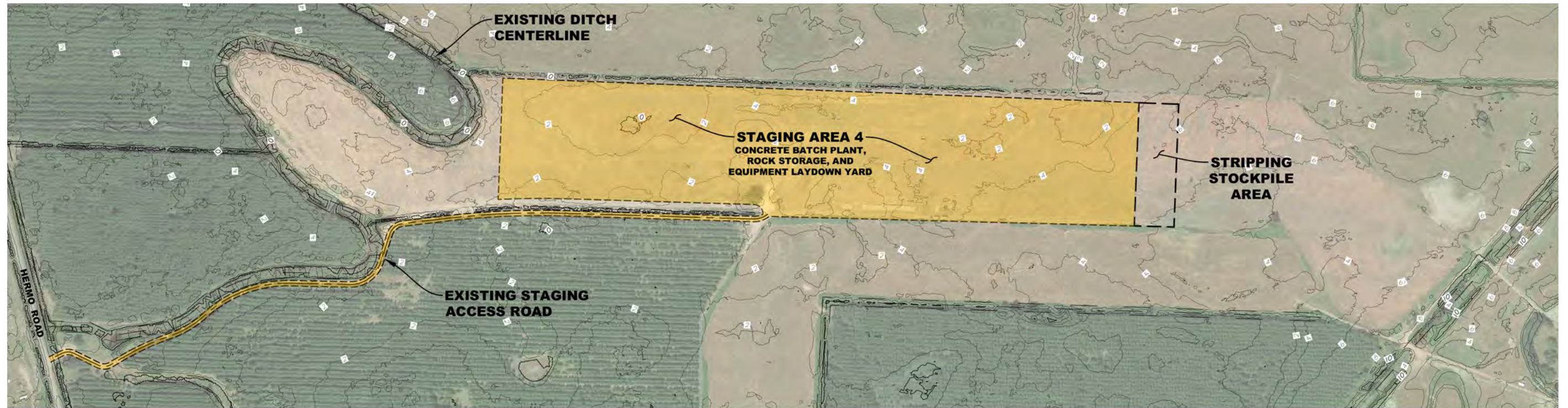
NOTE:  
SEE AERIAL PHOTOGRAPH FIGURE 2 FOR  
SCHEMATIC UTILITY LOCATIONS FOR  
FACILITY SITE.



**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
**STAGING AND ACCESS 2**

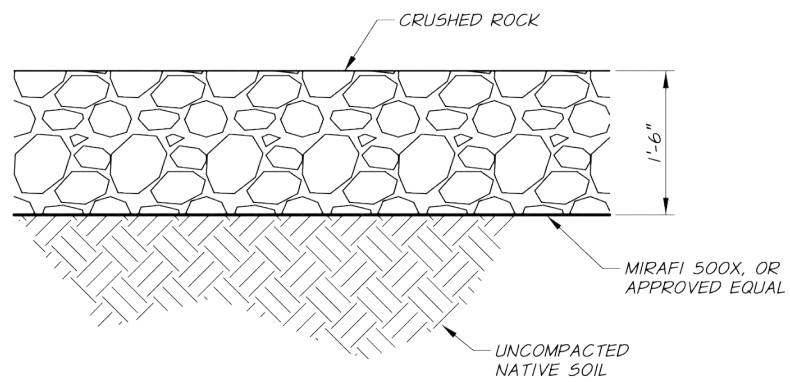
**FIGURE  
8B**



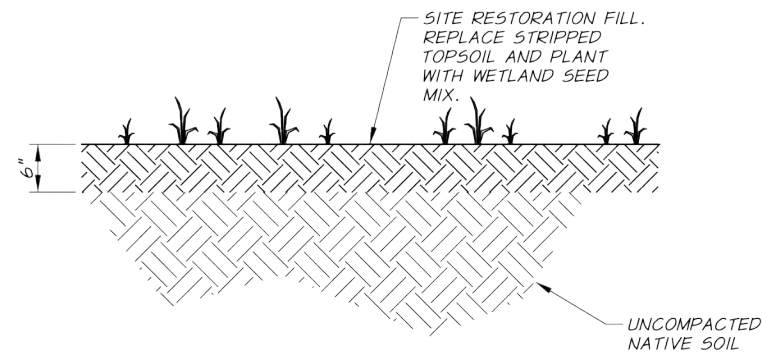


**STAGING AREA SEQUENCE NOTES**

1. STRIP 6 INCHES OF TOPSOIL WITHIN STAGING AREA AND STOCKPILE IN LOCATION SHOWN ON PLAN.
2. PLACE GEOTEXTILE FABRIC AND CRUSHED ROCK AS SHOWN IN TYPICAL SECTION.
3. UTILIZE STAGING AREA 4 AS NEEDED FOR DURATION OF PROJECT CONSTRUCTION.
4. REMOVE AND PROPERLY DISPOSE OF CRUSHED ROCK AND GEOTEXTILE FABRIC.
5. REPLACE TOPSOIL AND PLANT AS SHOWN IN TYPICAL SECTION.



**TYPICAL SECTION - STAGING AREA**  
N.T.S.



**TYPICAL SECTION - SITE RESTORATION**  
N.T.S.

**NOTE:**  
DRAWING PROVIDED BY ANDERSON PERRY & ASSOCIATES, INC.

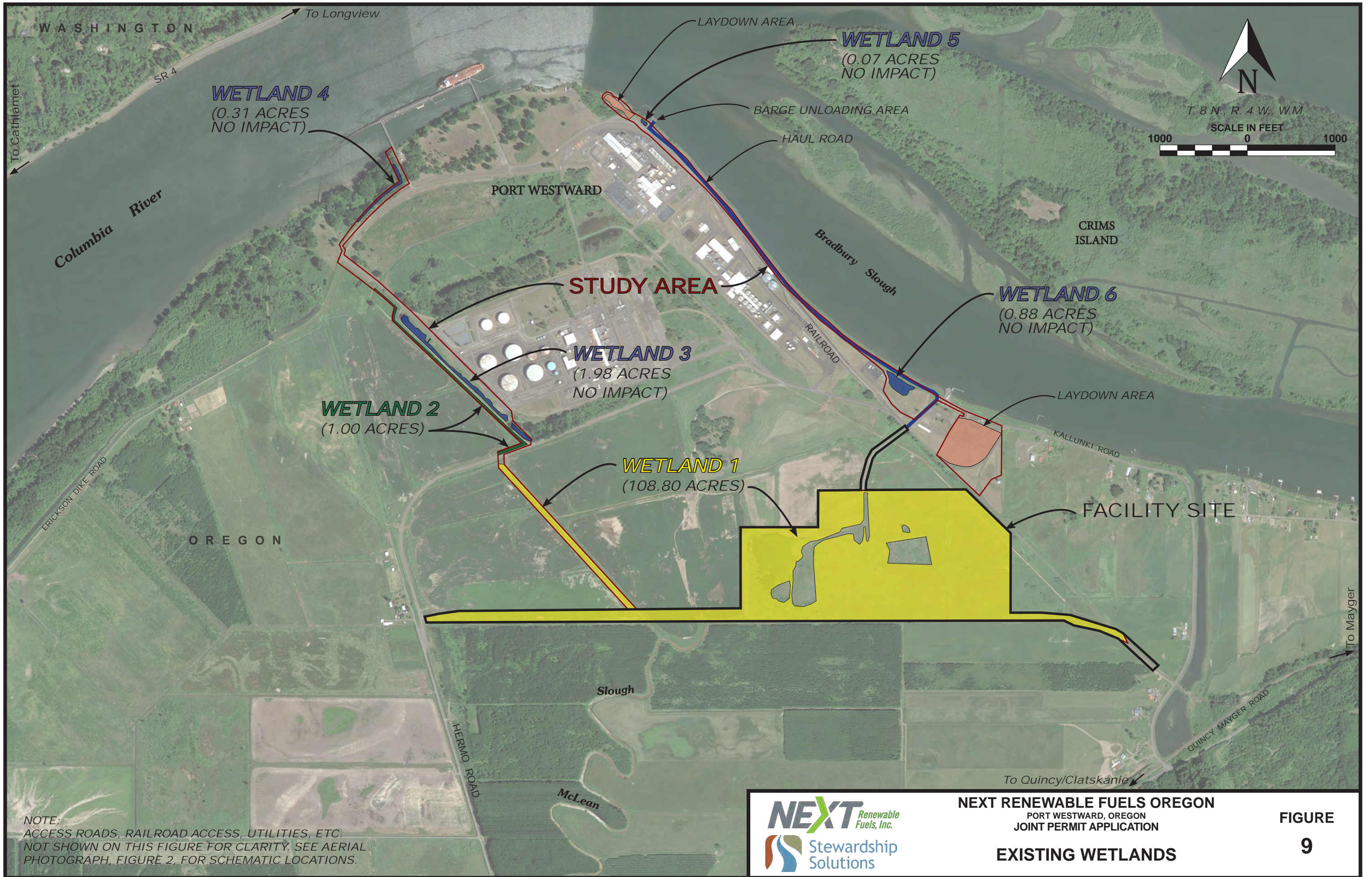


**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION

**STAGING AND ACCESS 3**

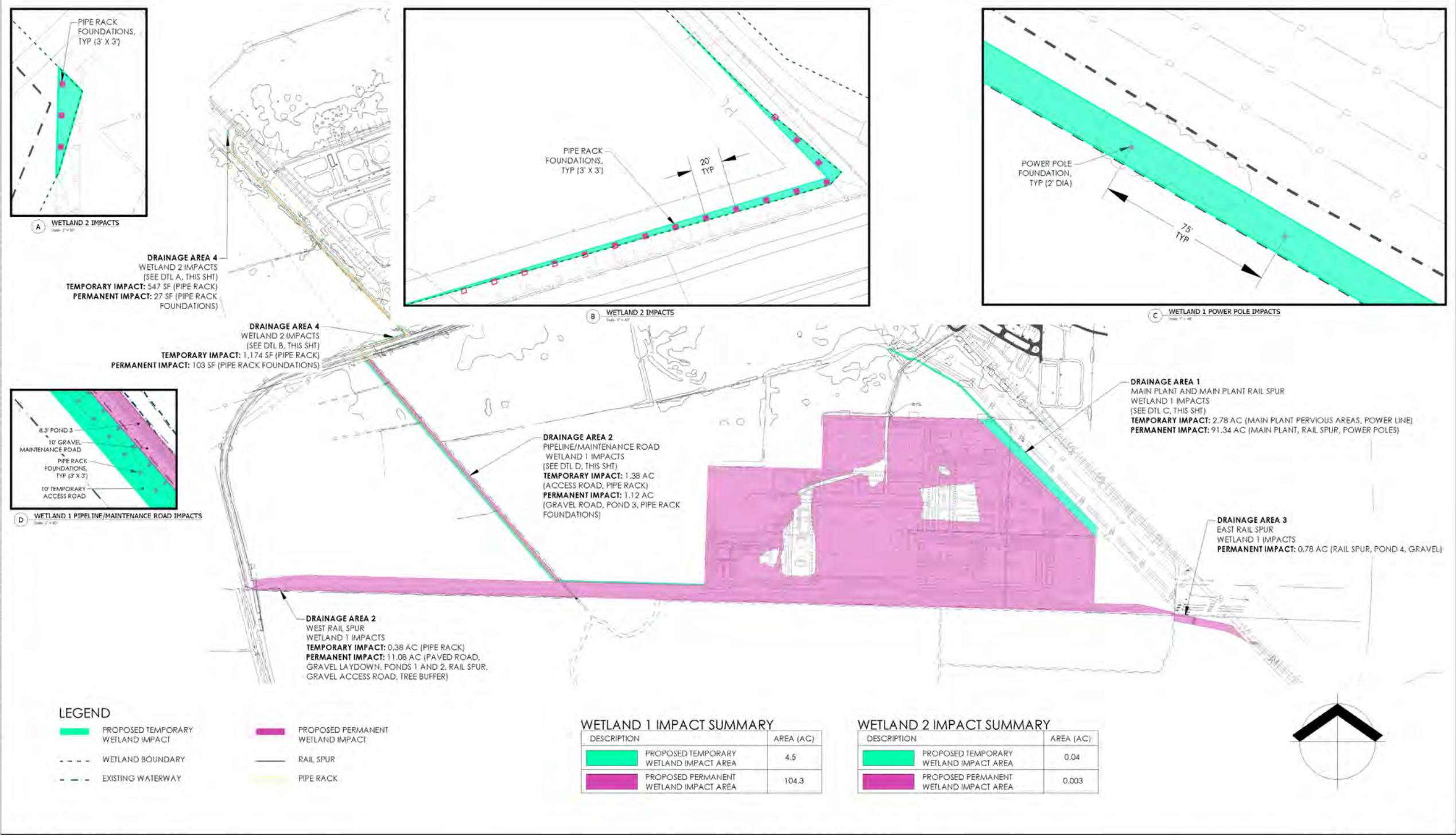
**FIGURE**  
**8C**







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 Date: 2/17/2023 6:38:15 AM



MFA JOB #: M1724.01  
 ISSUE DATE: 1/06/2023  
 CHECKED: A. POLISKI  
 DRAWN: B. TINO  

 MAUL FOSTER ALONGI  
 3140 NE BROADWAY STREET  
 PORTLAND, OR 97232  
 PHONE: 971.544.2139  
 www.maulfooster.com

**WETLAND IMPACT PLAN**  
**NEXT RENEWABLE FUELS OREGON**  
 NEXT RENEWABLE FUELS, INC.  
 PORT WESTWARD, OREGON

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

**FIGURE 1**  
 1

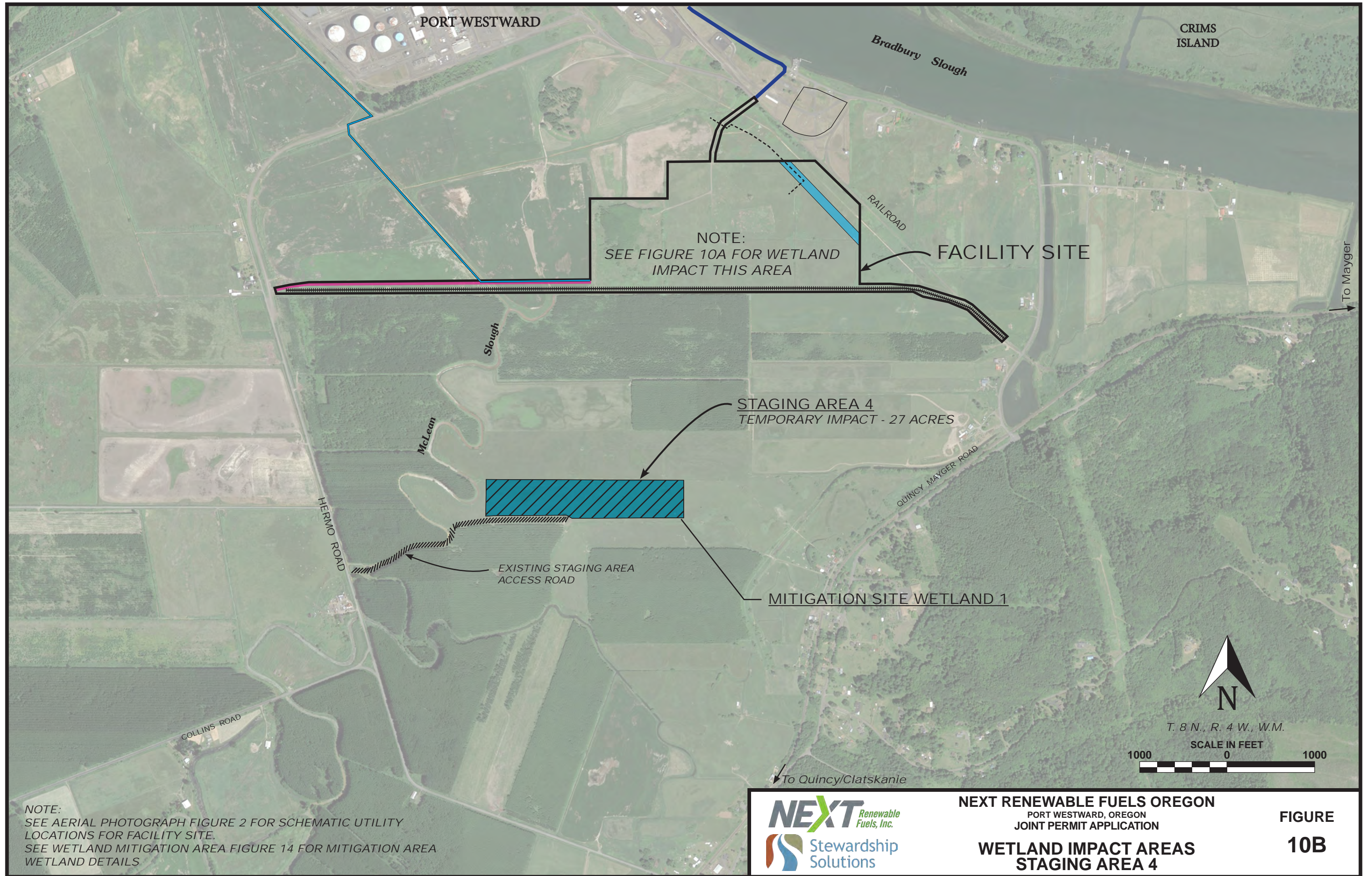
NOTE:  
 DRAWING PROVIDED MAUL FOSTER ALONGI

**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION

**WETLAND IMPACT AREAS**

**FIGURE 10A**





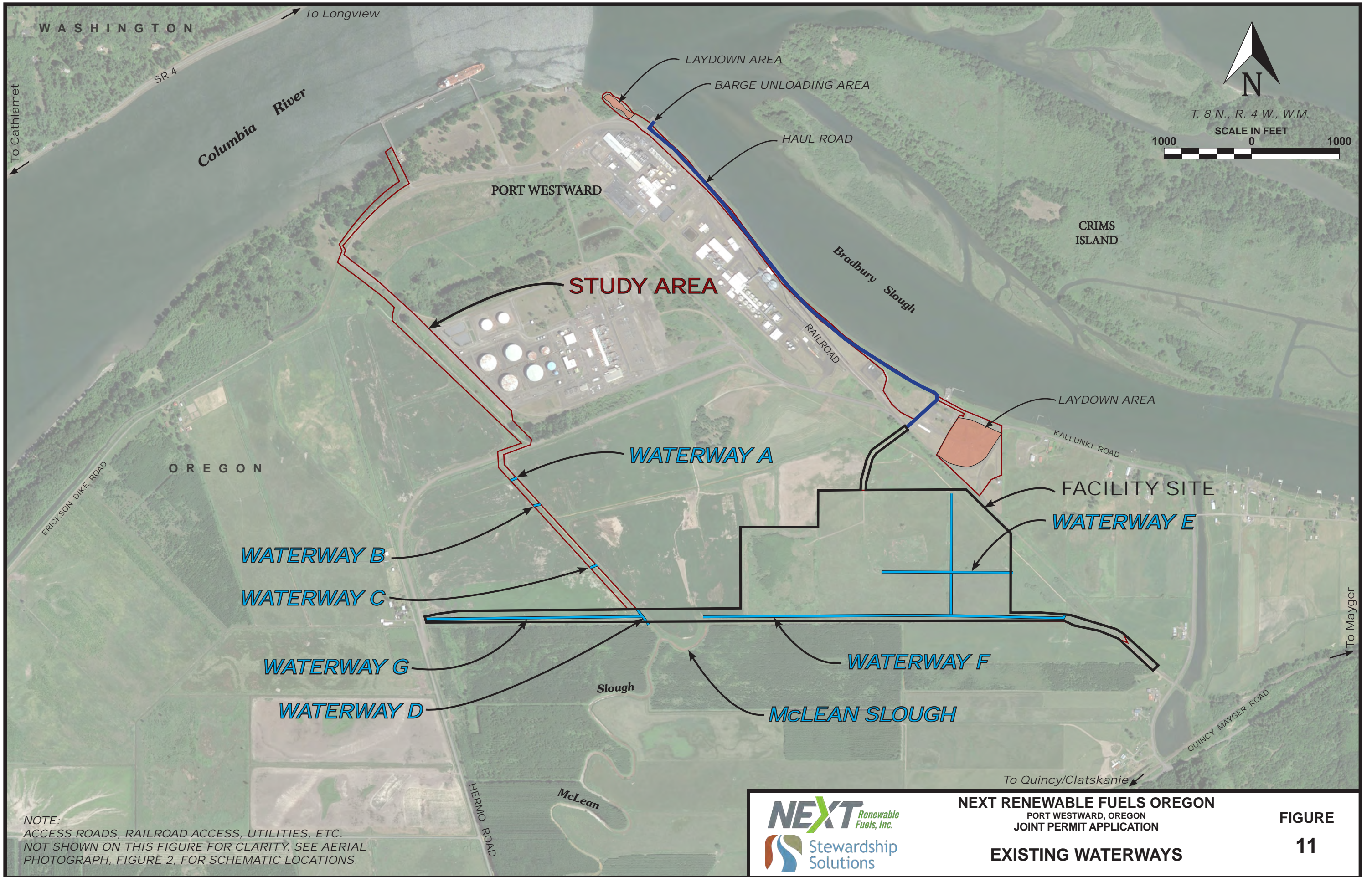
NOTE:  
 SEE AERIAL PHOTOGRAPH FIGURE 2 FOR SCHEMATIC UTILITY LOCATIONS FOR FACILITY SITE.  
 SEE WETLAND MITIGATION AREA FIGURE 14 FOR MITIGATION AREA WETLAND DETAILS



**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**WETLAND IMPACT AREAS**  
**STAGING AREA 4**

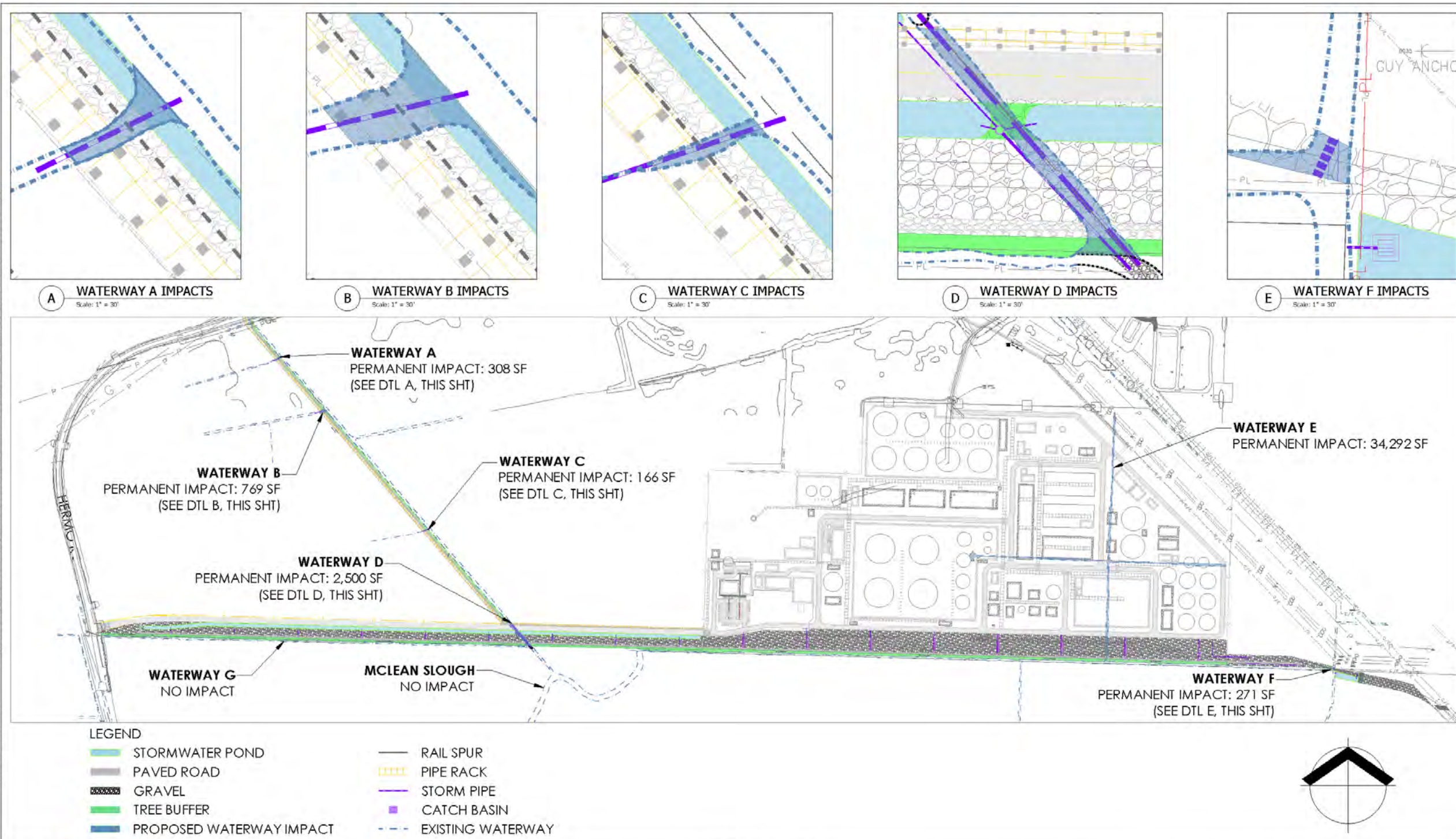
**FIGURE**  
**10B**







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MFA JOB #: MI 724.01  
 ISSUE DATE: 12/09/2022  
 CHECKED: A. AGUIRRE  
 DRAWN: L. DANIEL  
 MAUL FOSTER ALONGI  
 3140 NE BROADWAY STREET  
 PORTLAND, OR 97232  
 PHONE: 971.544.2139  
 www.maulfoster.com

**SITE LAYOUT**

**NEXT RENEWABLE FUELS OREGON**  
NEXT RENEWABLE FUELS, INC.  
PORT WESTWARD, OREGON

0 600' 1200'  
 NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

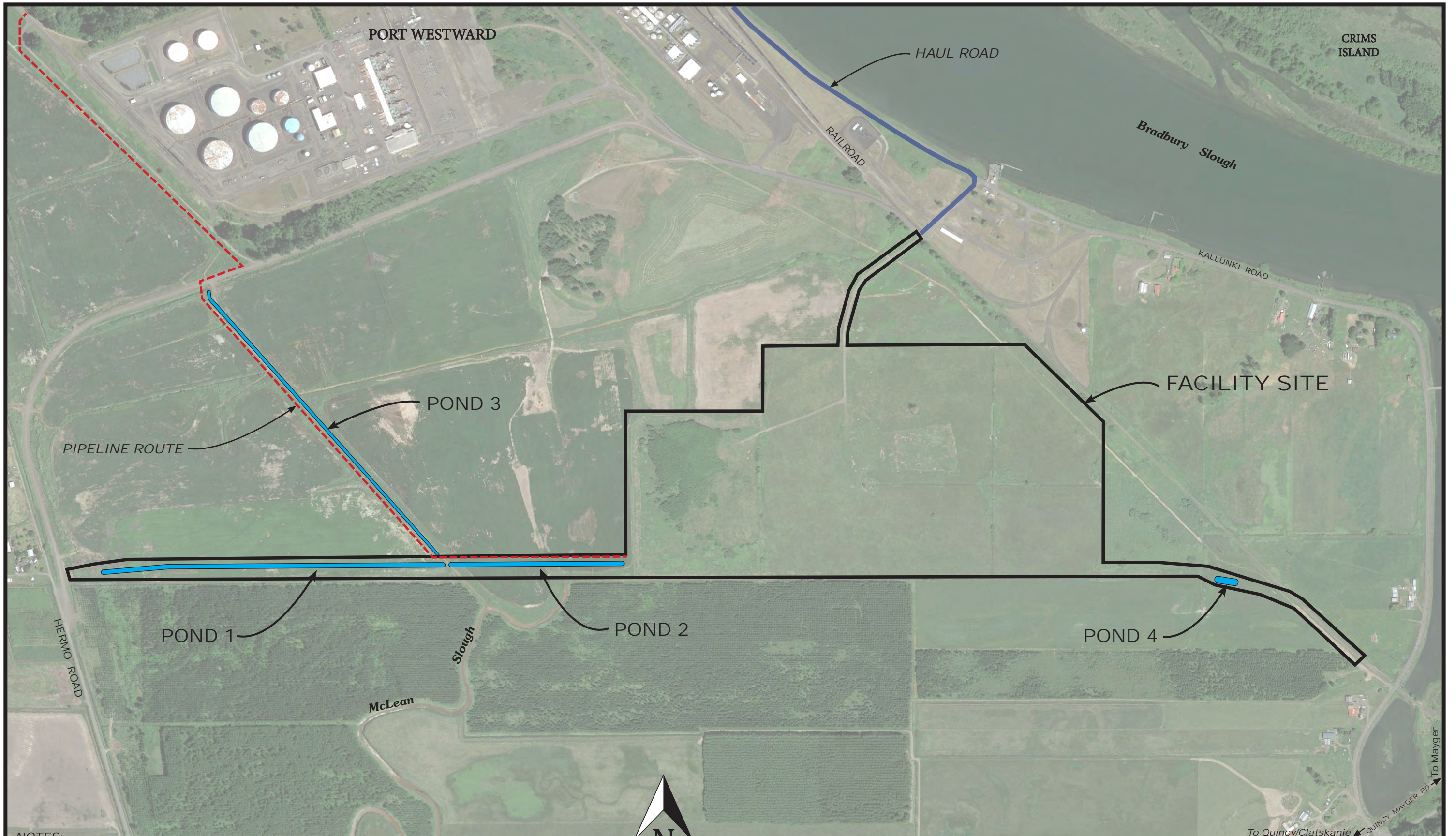
**FIGURE 2**

NOTE: DRAWING PROVIDED MAUL FOSTER ALONGI

**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**WATERWAY IMPACT AREAS**

**FIGURE 12**





NOTES:  
 ACCESS ROADS, RAILROAD ACCESS, UTILITIES, ETC. NOT SHOWN ON THIS FIGURE FOR CLARITY. SEE AERIAL PHOTOGRAPH, FIGURE 2, FOR SCHEMATIC LOCATIONS.  
 FOR ADDITIONAL STORMWATER INFORMATION, SEE NEXT RENEWABLE FUELS OREGON POST CONSTRUCTION STORMWATER MANAGEMENT PLAN.

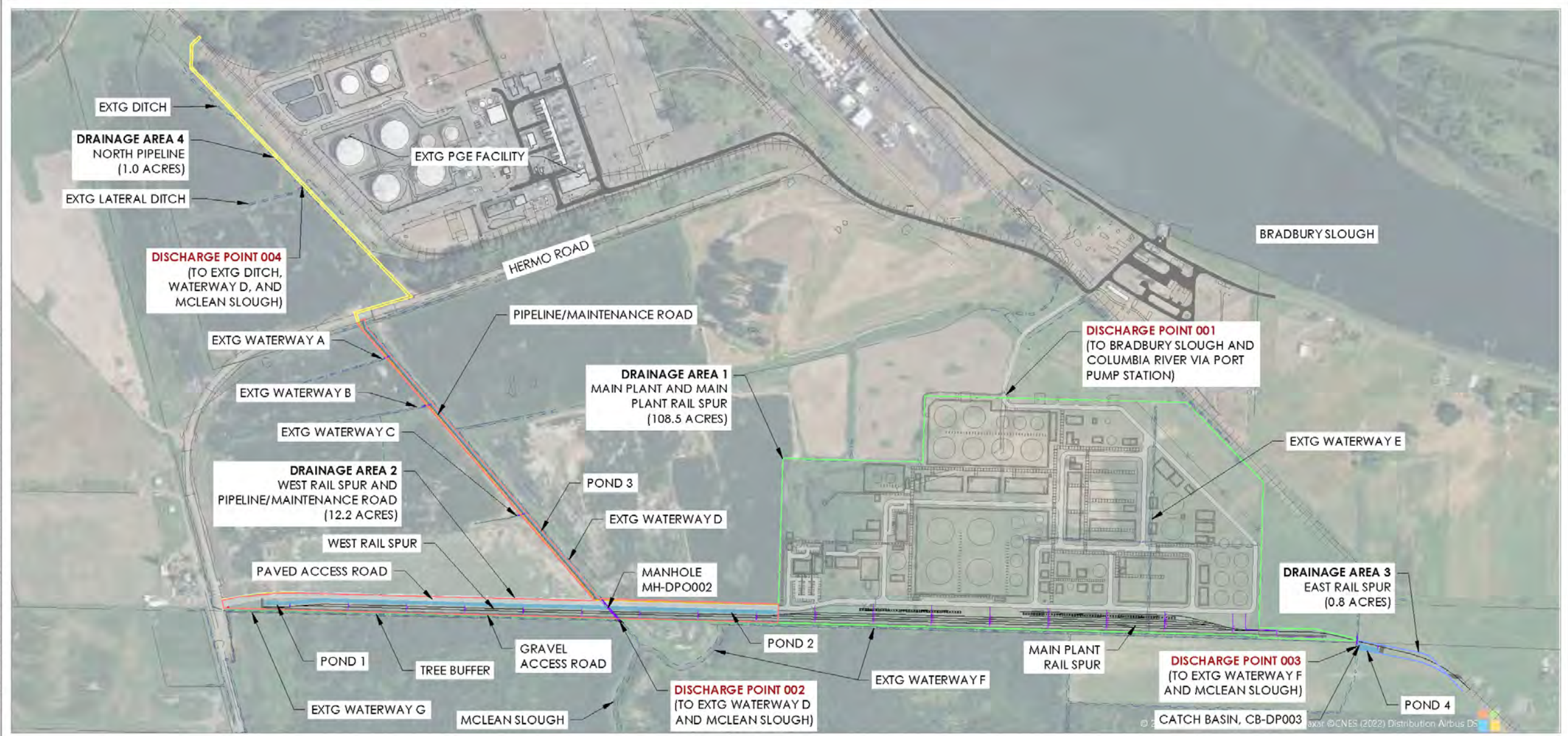


**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**STORMWATER PONDS**

**FIGURE 13**



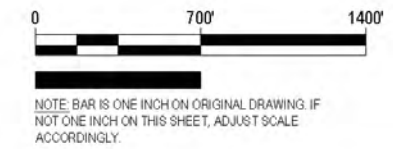
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MFA JOB #: MI724.01  
 ISSUE DATE: 1/19/2023  
 CHECKED: A. AGUIRRE  
 DRAWN: L. DANIEL  
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 PORTLAND, OR 97232  
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STORMWATER PLAN SITE LAYOUT  
**NEXT RENEWABLE FUELS OREGON**  
 NEXT RENEWABLE FUELS, INC.  
 PORT WESTWARD, OREGON



**FIGURE**  
**2**

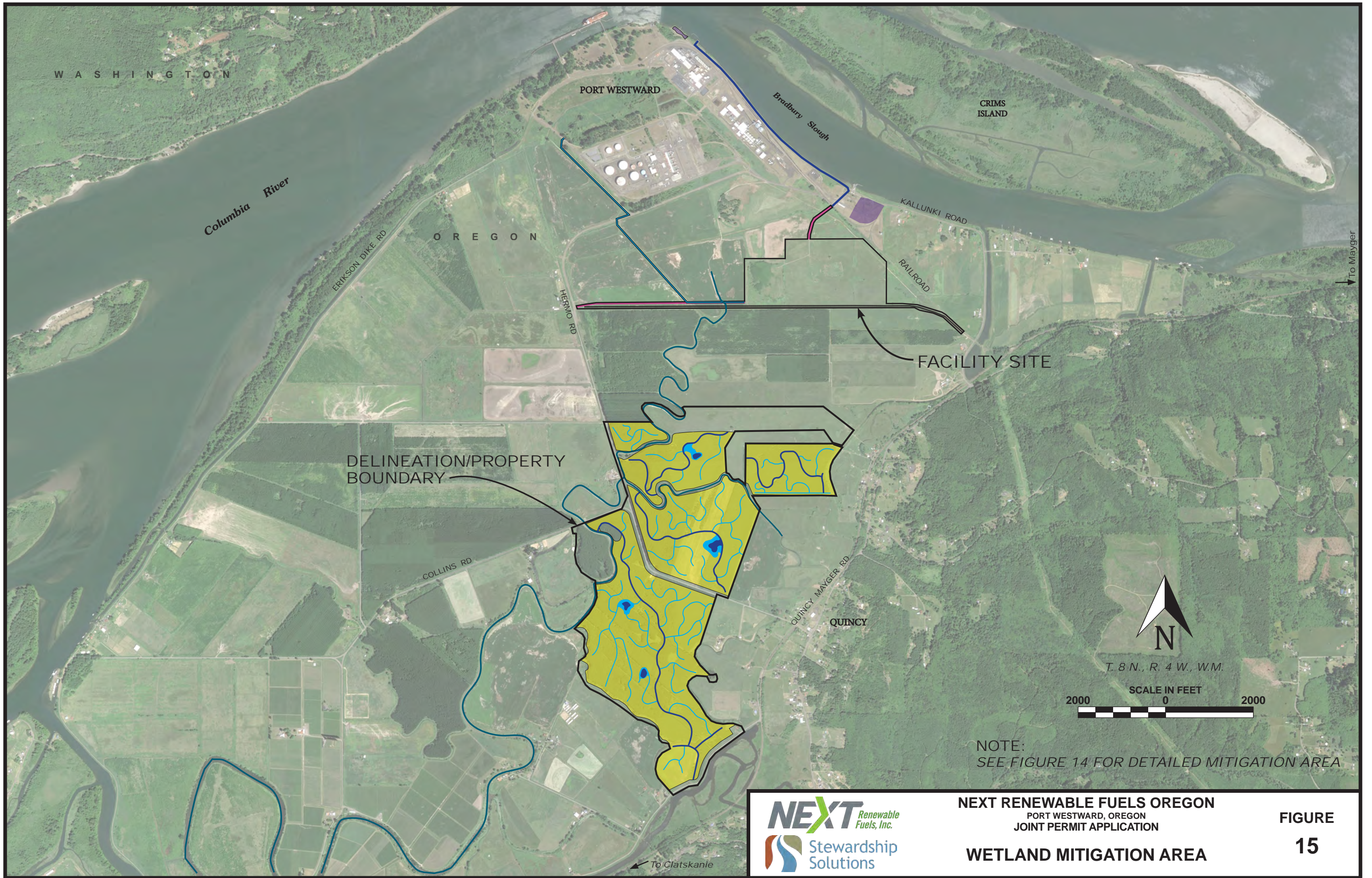
NOTE:  
 DRAWING PROVIDED MAUL FOSTER ALONGI



**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**STORMWATER MANAGEMENT PLAN**  
**SITE LAYOUT**

**FIGURE**  
**14**



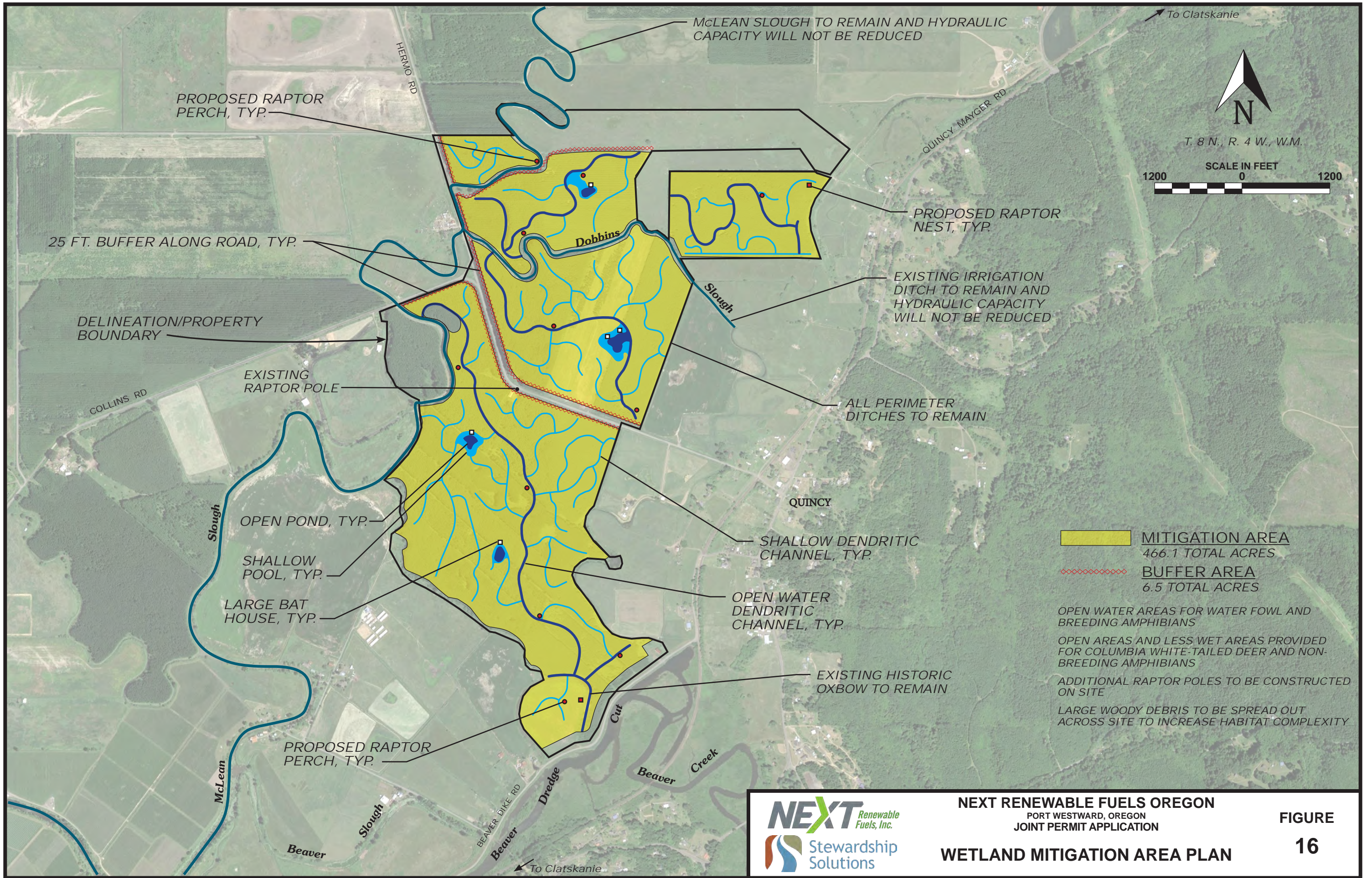


**NEXT RENEWABLE FUELS OREGON**  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
**WETLAND MITIGATION AREA**

**FIGURE 15**

NOTE:  
SEE FIGURE 14 FOR DETAILED MITIGATION AREA

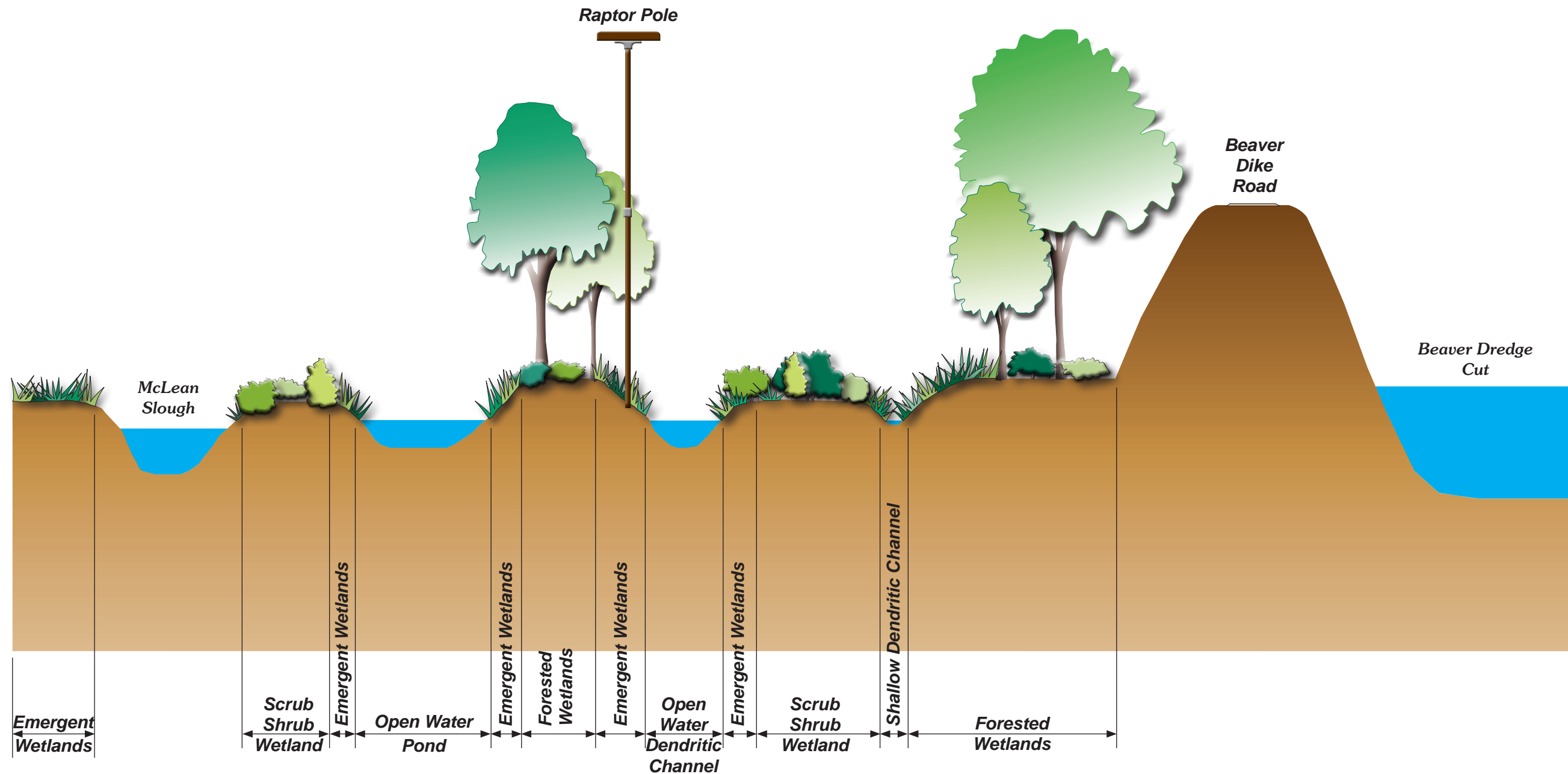




**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**WETLAND MITIGATION AREA PLAN**

**FIGURE**  
**16**

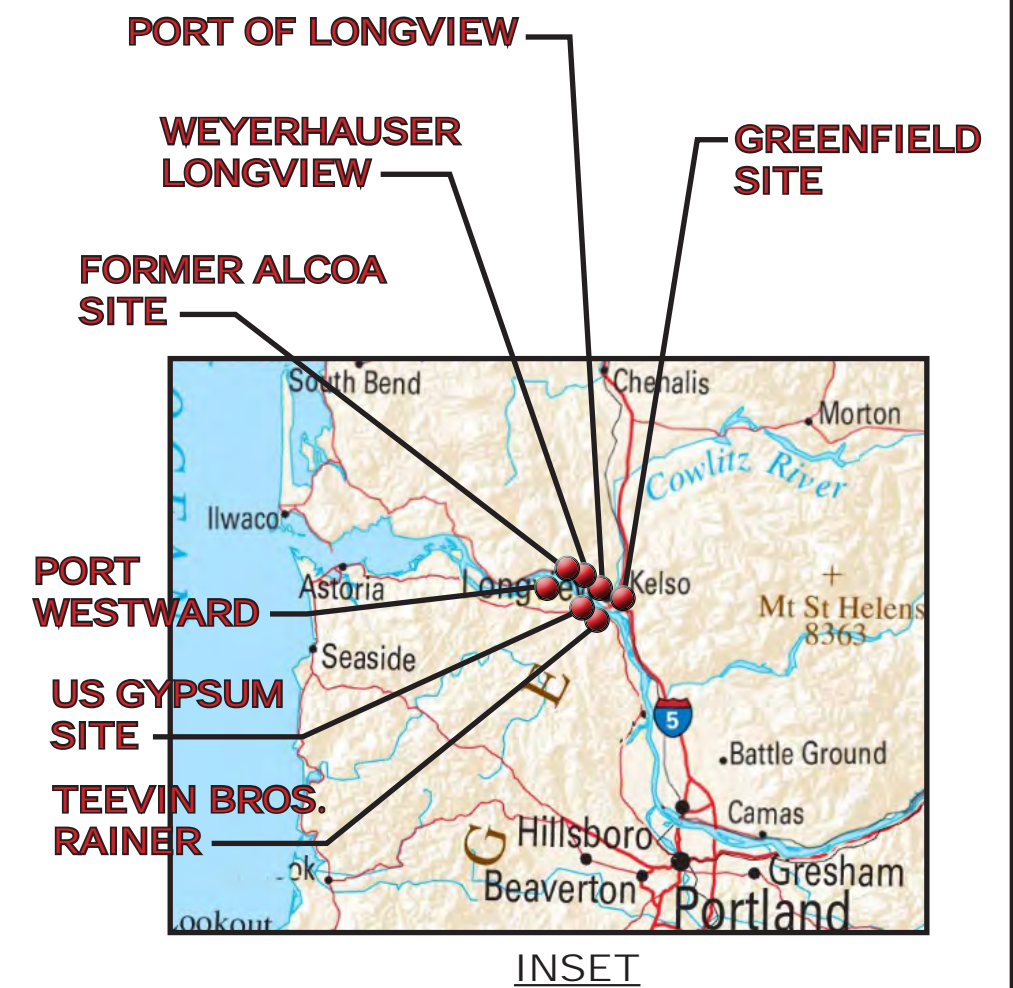
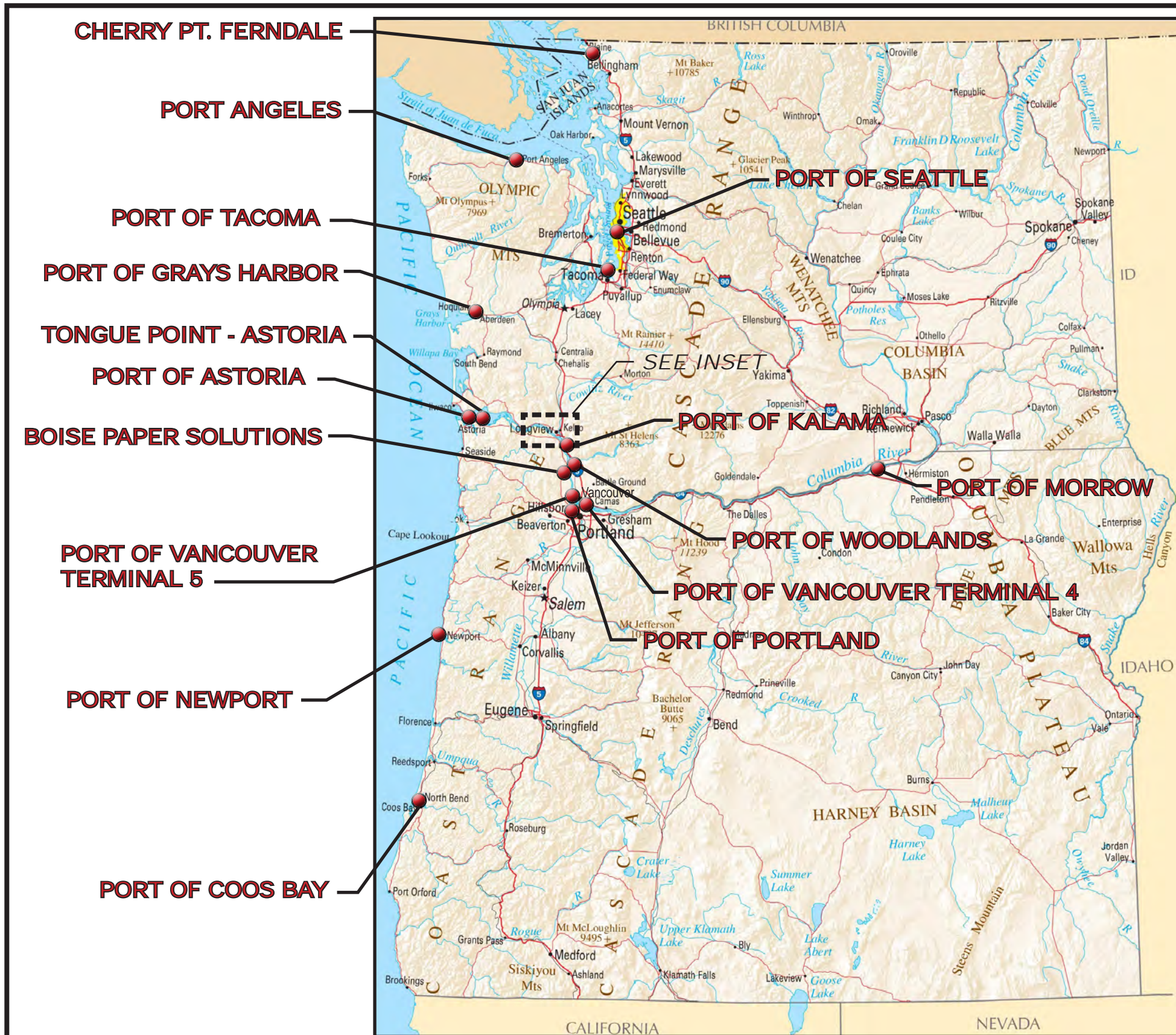




NEXT RENEWABLE FUELS OREGON  
PORT WESTWARD, OREGON  
JOINT PERMIT APPLICATION  
WETLAND MITIGATION AREAS  
CONCEPTUAL SITE CROSS SECTION

FIGURE  
17





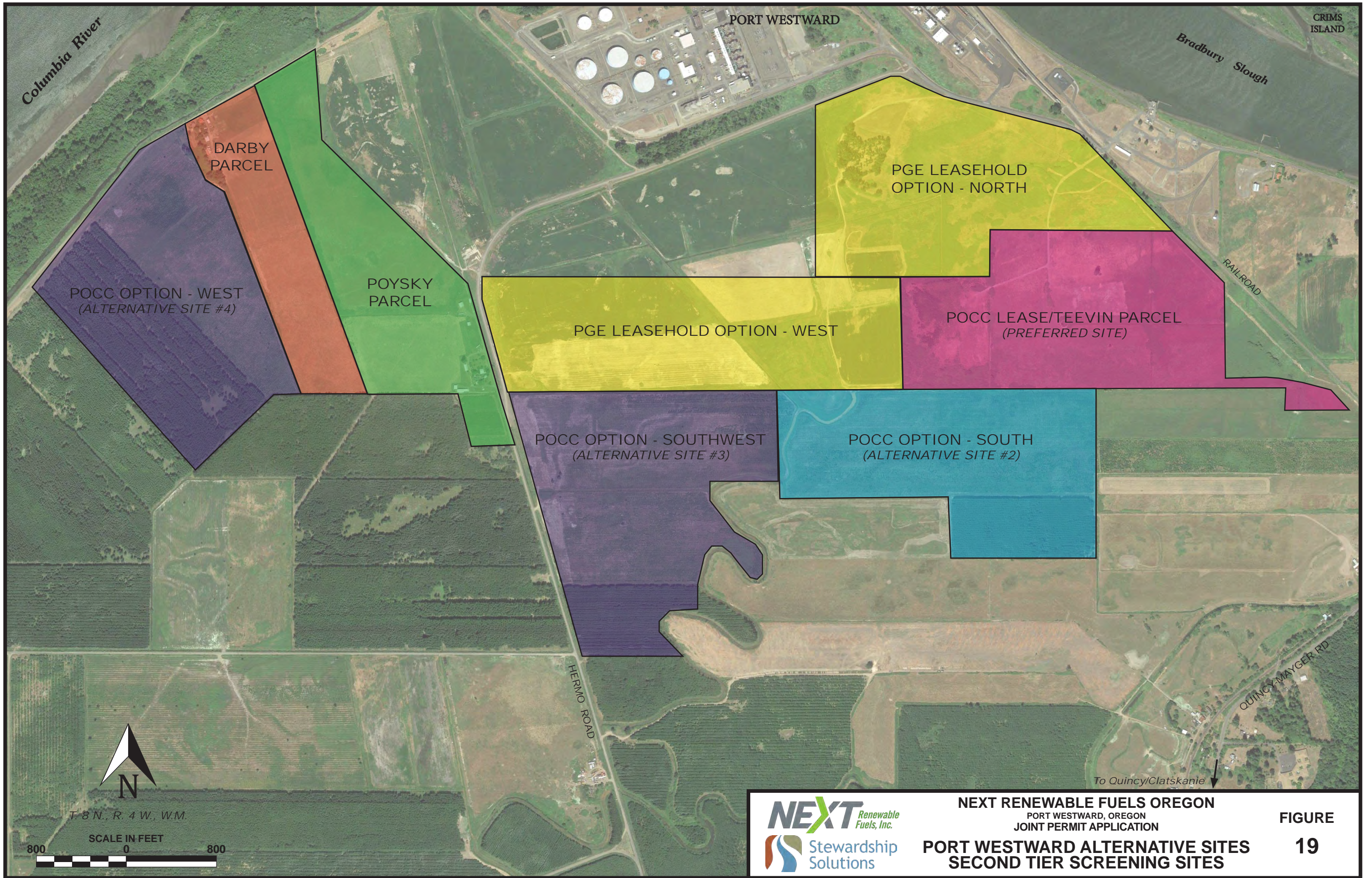
MAP OBTAINED FROM:  
ontheworldmap.com



**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**VICINITY MAP**  
**PACIFIC NORTHWEST SITES**

**FIGURE**  
**18**





**NEXT RENEWABLE FUELS OREGON**  
 PORT WESTWARD, OREGON  
 JOINT PERMIT APPLICATION  
**PORT WESTWARD ALTERNATIVE SITES**  
**SECOND TIER SCREENING SITES**

**FIGURE**  
**19**

