## NEXT RENEWABLE FUELS OREGON

PREPARED FOR:

#### NEXT RENEWABLE FUELS, INC.

LOCATED IN SEC. 16, T. 8 N., R. 4 W., W.M., COLUMBIA COUNTY, CLATSKANIE, OR

#### PROJECT CONTACTS

#### **CLIENT**

NEXT RENEWABLE FUELS, INC. 11767 KATY FREEWAY, SUITE 705 HOUSTON, TX 77079 P: 281-884-3680 CHRISTOPHER EFIRD CHRIS@NEXTRENEWABLES.COM

#### CIVIL ENGINEER

MAUL, FOSTER & ALONGI, INC. 3140 NE BROADWAY STREET PORTLAND, OR 97232 P: 971-544-2139 BROOKE HARMON, PE BHARMON@MAULFOSTER.COM

#### SURVEYOR

DAVE MILLS SURVEYING BEAVERTON, OR 97008 P: 503-330-8646

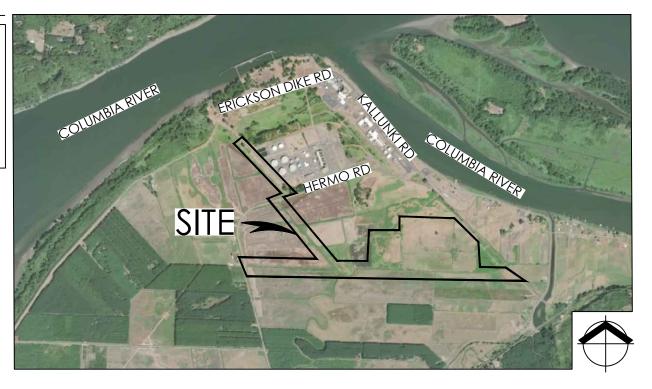
# PROJECT SUMMARY

#### SITE ADDRESS:

LOCATED IN THE PORT WESTWARD INDUSTRIAL PARK BETWEEN KALLUNKI ROAD AND HERMO ROAD COLUMBIA COUNTY CLATSKANIE, OREGON

#### WORK DESCRIPTION:

NEXT RENEWABLE FUELS OREGON, LLC (NEXT) PROPOSES TO BUILD A RENEWABLE FUELS FACILITY TO SUPPLY RENEWABLE FUELS TO WEST COAST MARKETS.



**VICINITY MAP** 

NOT TO SCALE

#### **GENERAL NOTES**

- 1. SURVEY PERFORMED BY DAVE MILLS SURVEYING IN 2020.
- HORIZONTAL DATUM: OREGON STATE PLANE COORDINATE SYSTEM NORTH ZONE, NAD 83/91. ELEVATION DATUM: NGVD 29/47.

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MFA JOB #: M1724.01 ISSUE DATE: 12/09/2022 CHECKED: A. BANASIKI L. DANIEL DRAWN: MAUL FOSTER ALONGI

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**COVER SHEET** 

### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON

PERMIT DOCUMENT

COVER **SHEET** C0.0

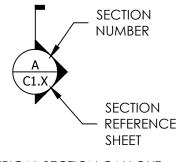
EXISTING GRADE MAJOR CONTOUR

27 ----
SD<sub>x</sub>
EXISTING GRADE MINOR CONTOUR
EXISTING STORM DRAIN PIPE
EXISTING WATER PIPE
EXISTING SANITARY SEWER PIPE
EXISTING AC PAVEMENT
EXISTING CONCRETE SURFACING
EXISTING GRAVEL SURFACING
EXISTING BUILDING
EXISTING WETLAND BOUDARY
EXISTING FENCE LINE
EXISTING ROAD CENTERLINE
EXISTING RIGHT-OF-WAY
EXISTING PROPERTY LINE

OHW EXISTING ORDINARY HIGH WATER MARK
EXISTING UNDERGROUND POWER
EXISTING UNDERGROUND TELEPHONE
EXISTING UNDERGROUND GAS

INLET PROTECTION

CONSTRUCTION ENTRANCE



TYPICAL SECTION CALLOUT

PERMIT DOCUMENT

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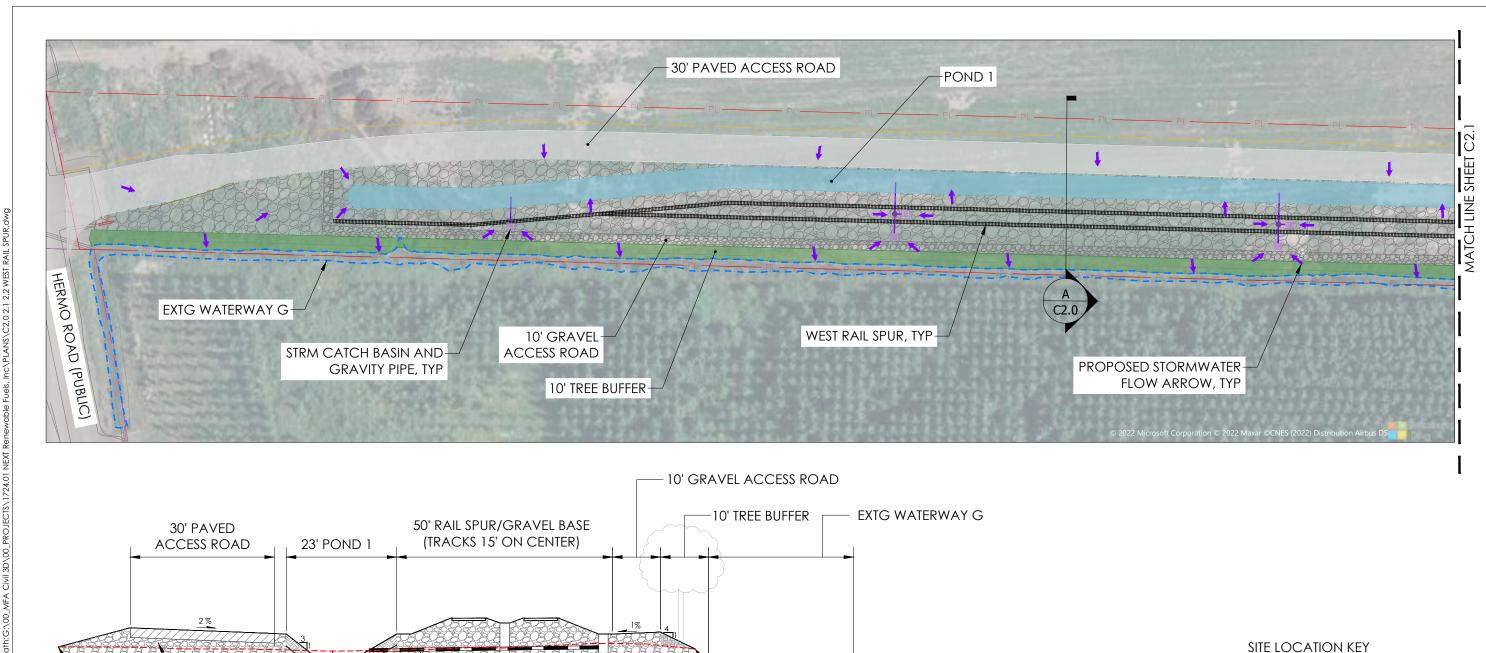
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**MASTER LEGEND** 

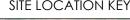
#### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

EXHIBIT C1.0



#### CRUSHED ROCK 12" CUT -STRM CB (TYP) AGGREGATE FILL TO PROPOSED EXTG GRADE **ROADWAY BASE** FINAL GRADE MATCH EXTG GRADE AND MAINTAIN EXTG DRAINAGE MATCH EXTG GRADE -60 LF 8" STRM PIPE @ S=0.5%





WEST RAIL SPUR TYPICAL SECTION NOT TO SCALE

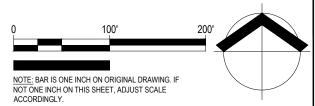
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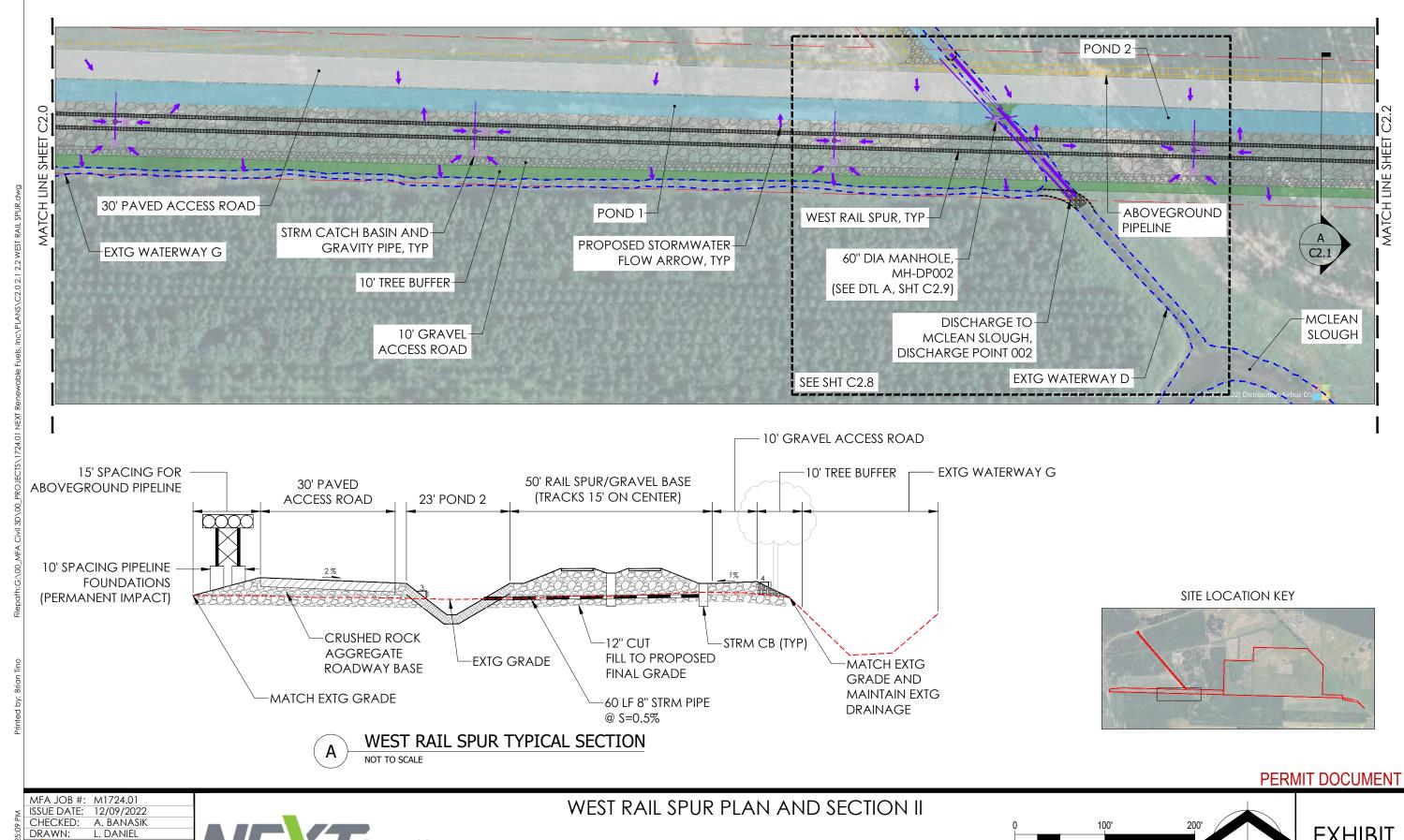
WEST RAIL SPUR PLAN AND SECTION I

# NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON



**EXHIBIT** C2.0



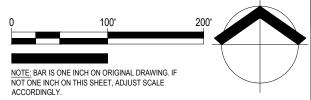
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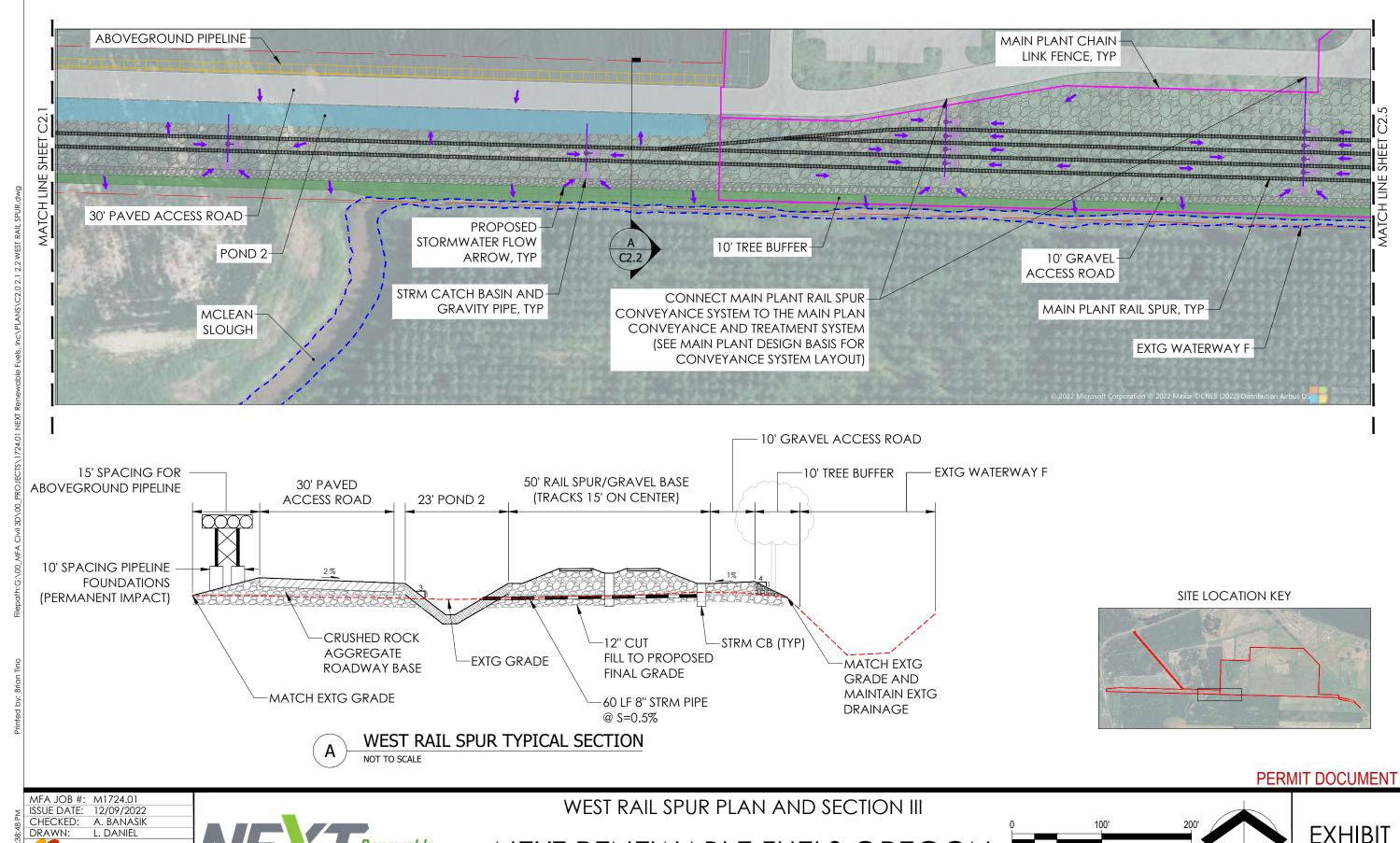
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## NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON



**EXHIBIT** 



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## NEXT RENEWABLE FUELS OREGON

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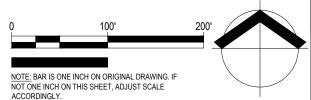
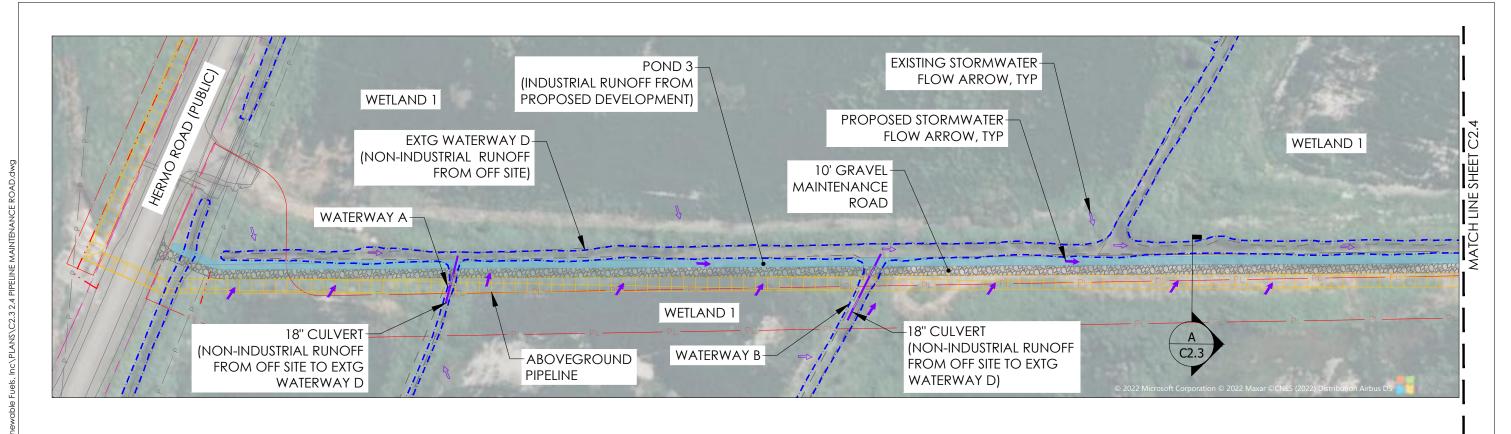
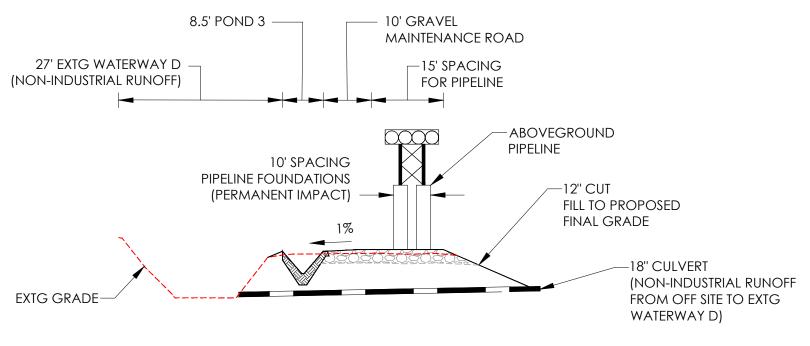


EXHIBIT C2.2







SITE LOCATION KEY

A PIPELINE/MAINTENANCE ROAD TYPICAL SECTION NOT TO SCALE

#### PERMIT DOCUMENT

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DRAWN: L. DANIEL

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PORTLAND, OR 97232
PHONE: 971.544.2139

PIPELINE/MAINTENANCE ROAD PLAN AND SECTION I

### NEXT RENEWABLE FUELS OREGON

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PORT WESTWARD, OREGON

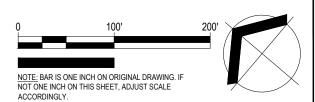
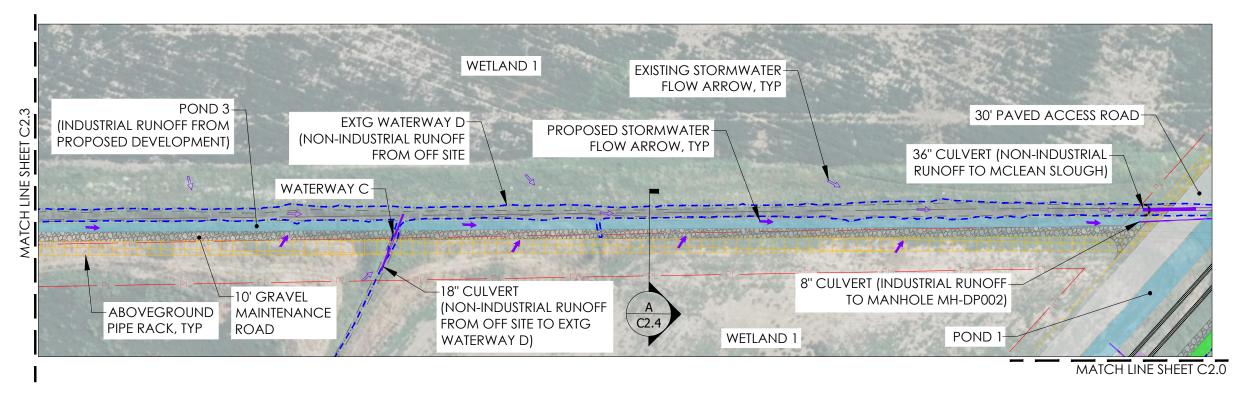
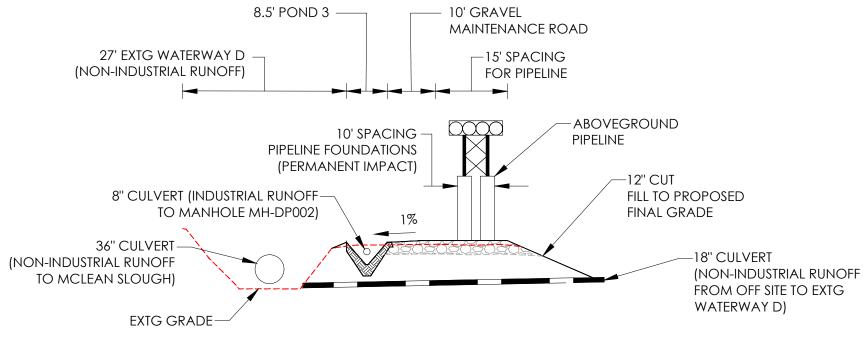


EXHIBIT C2.3







A PIPELINE/MAINTENANCE ROAD TYPICAL SECTION NOT TO SCALE

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PIPELINE/MAINTENANCE ROAD PLAN AND SECTION II

### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

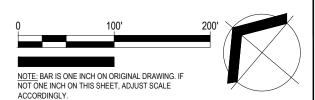
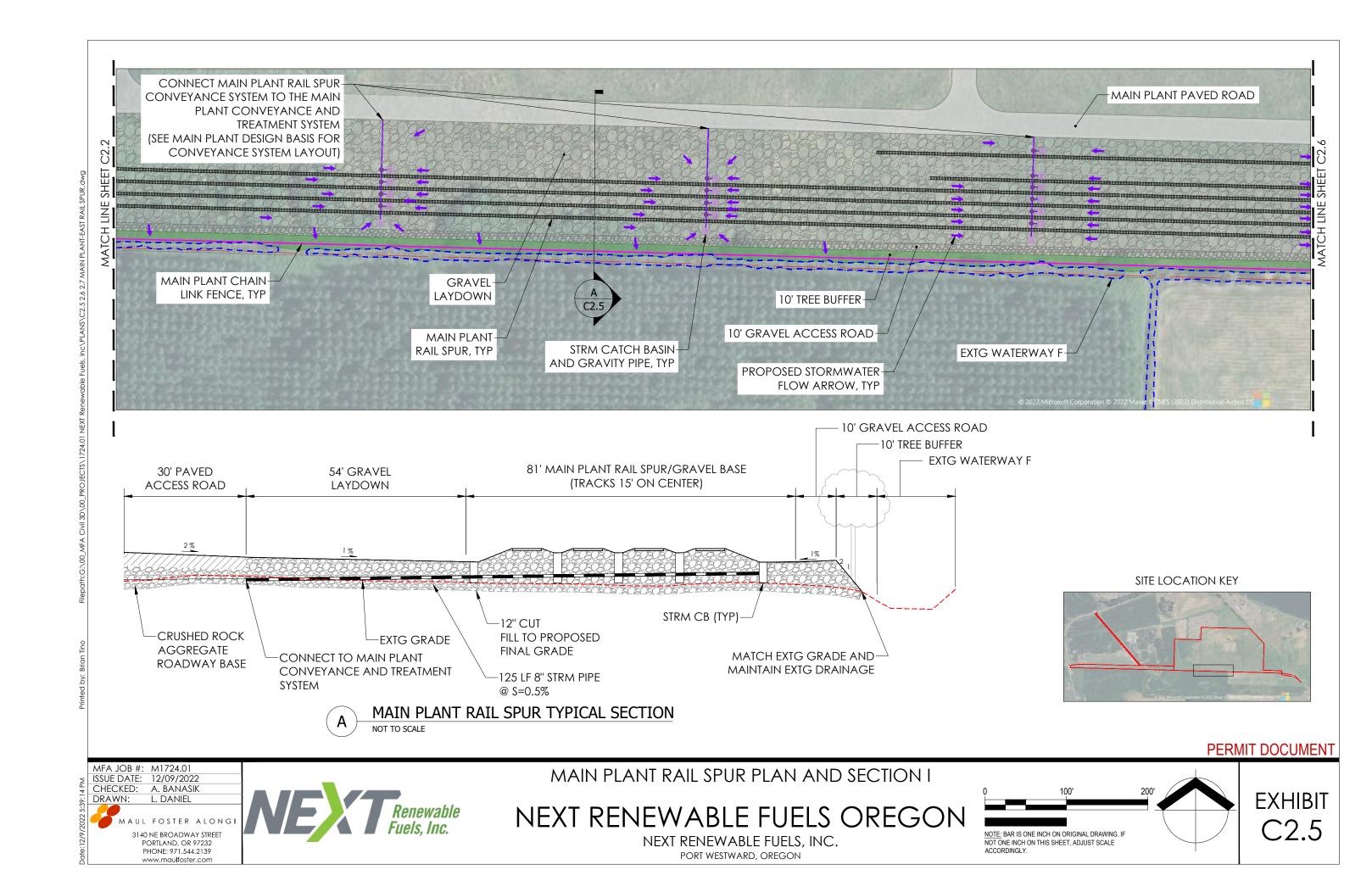
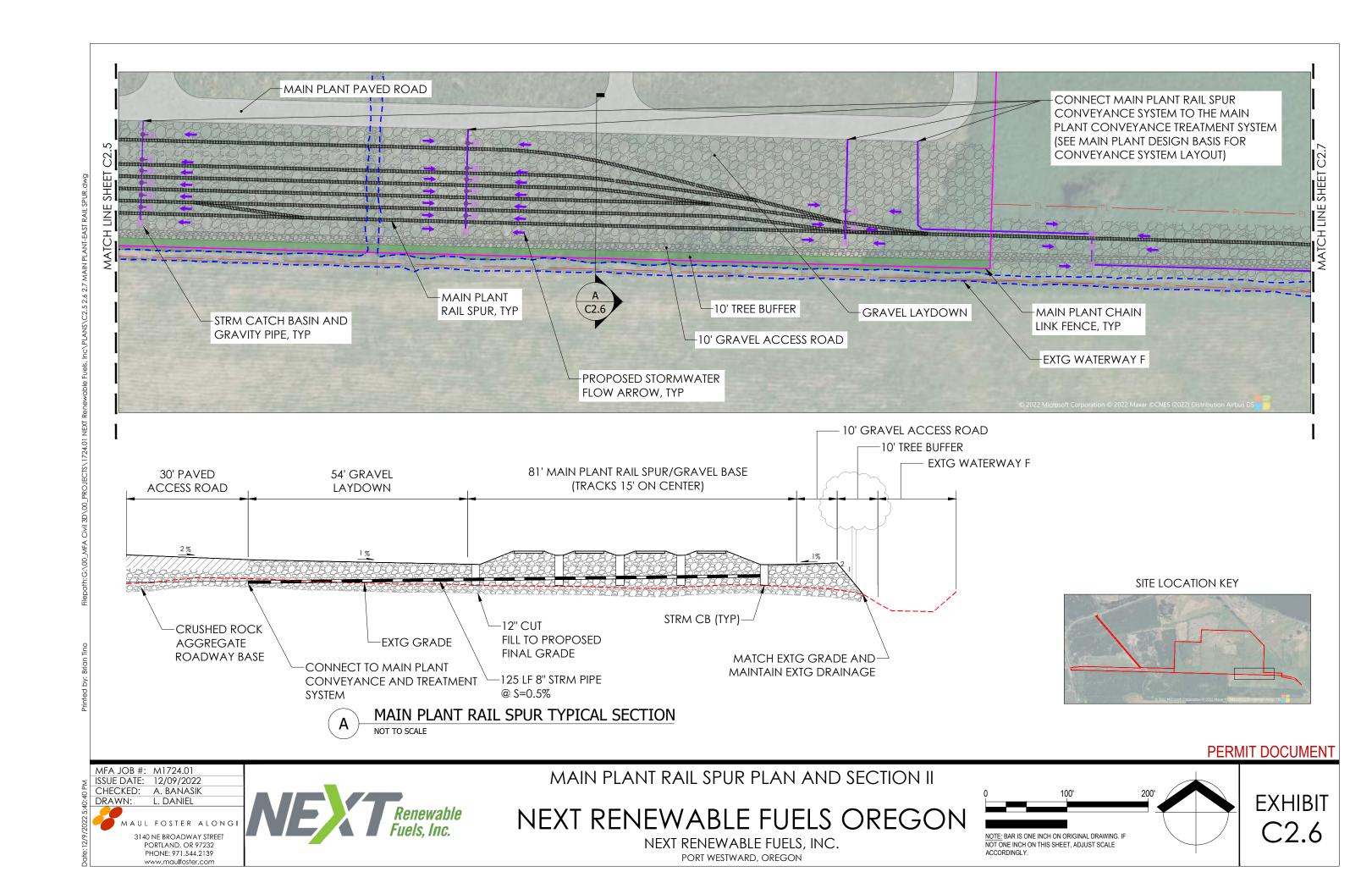
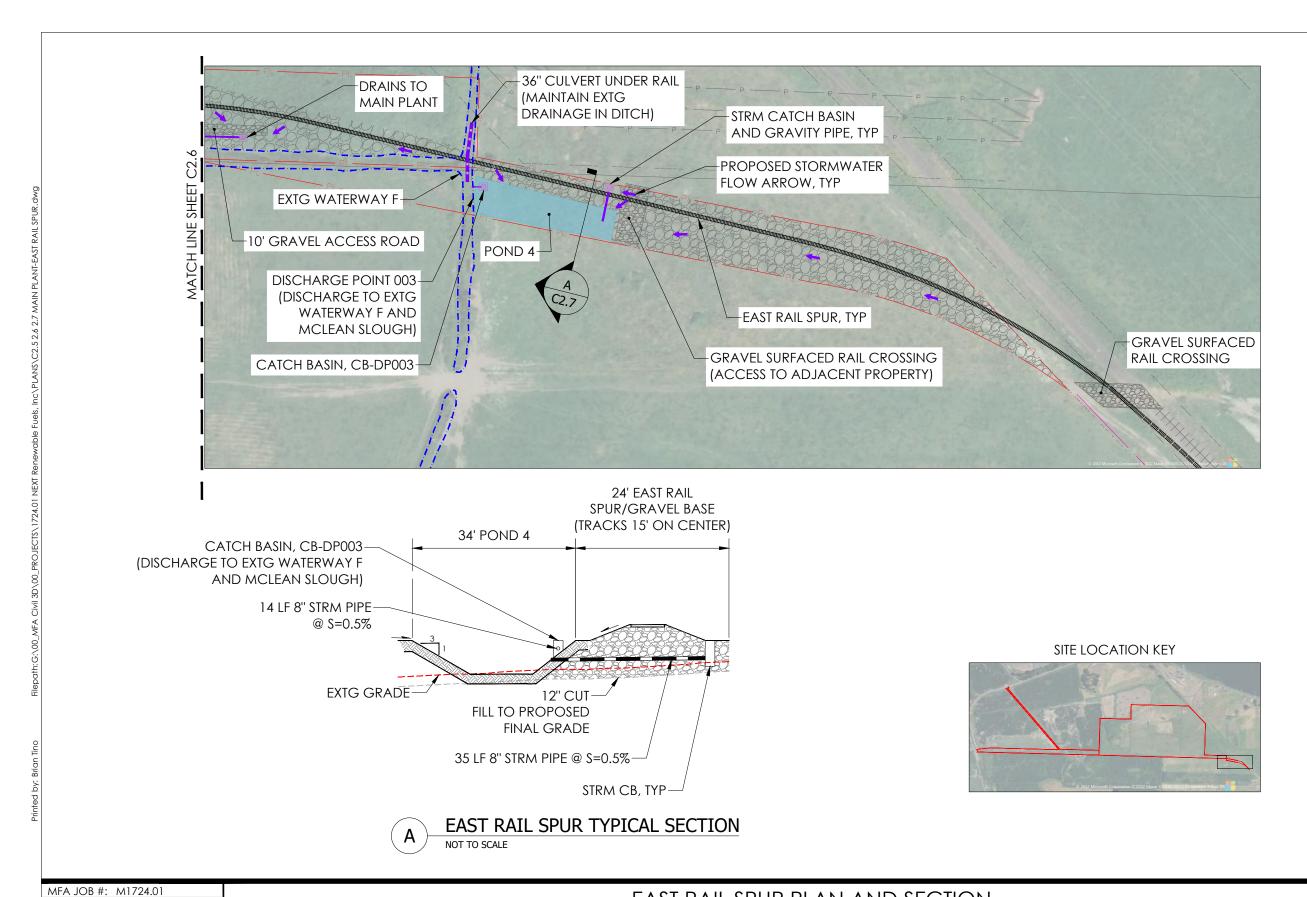


EXHIBIT C2.4







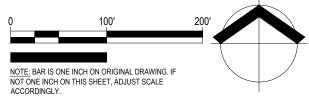


DRAWN:

EAST RAIL SPUR PLAN AND SECTION

### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON



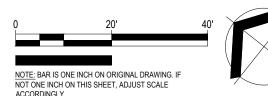
**EXHIBIT** 



**DISCHARGE POINT 002 PLAN** 

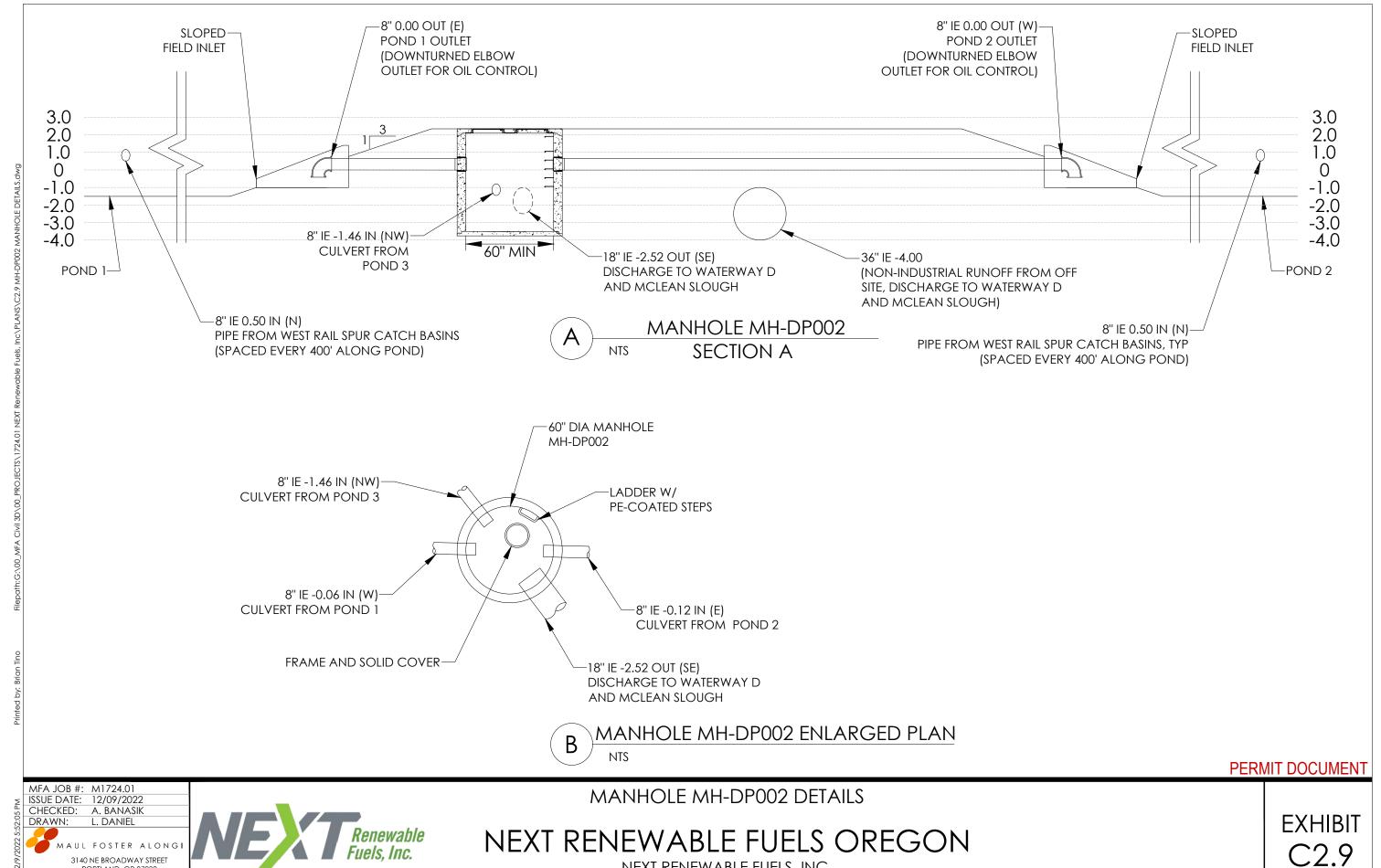
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**EXHIBIT** C2.8

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NEXT RENEWABLE FUELS, INC.

PORT WESTWARD, OREGON

3140 NE BROADWAY STREET PORTLAND, OR 97232

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MATCH LINE SHEET C3.2

#### PERMIT DOCUMENT

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PIPELINE/MAINTENANCE RD ESCP I

### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

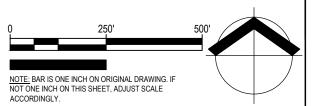
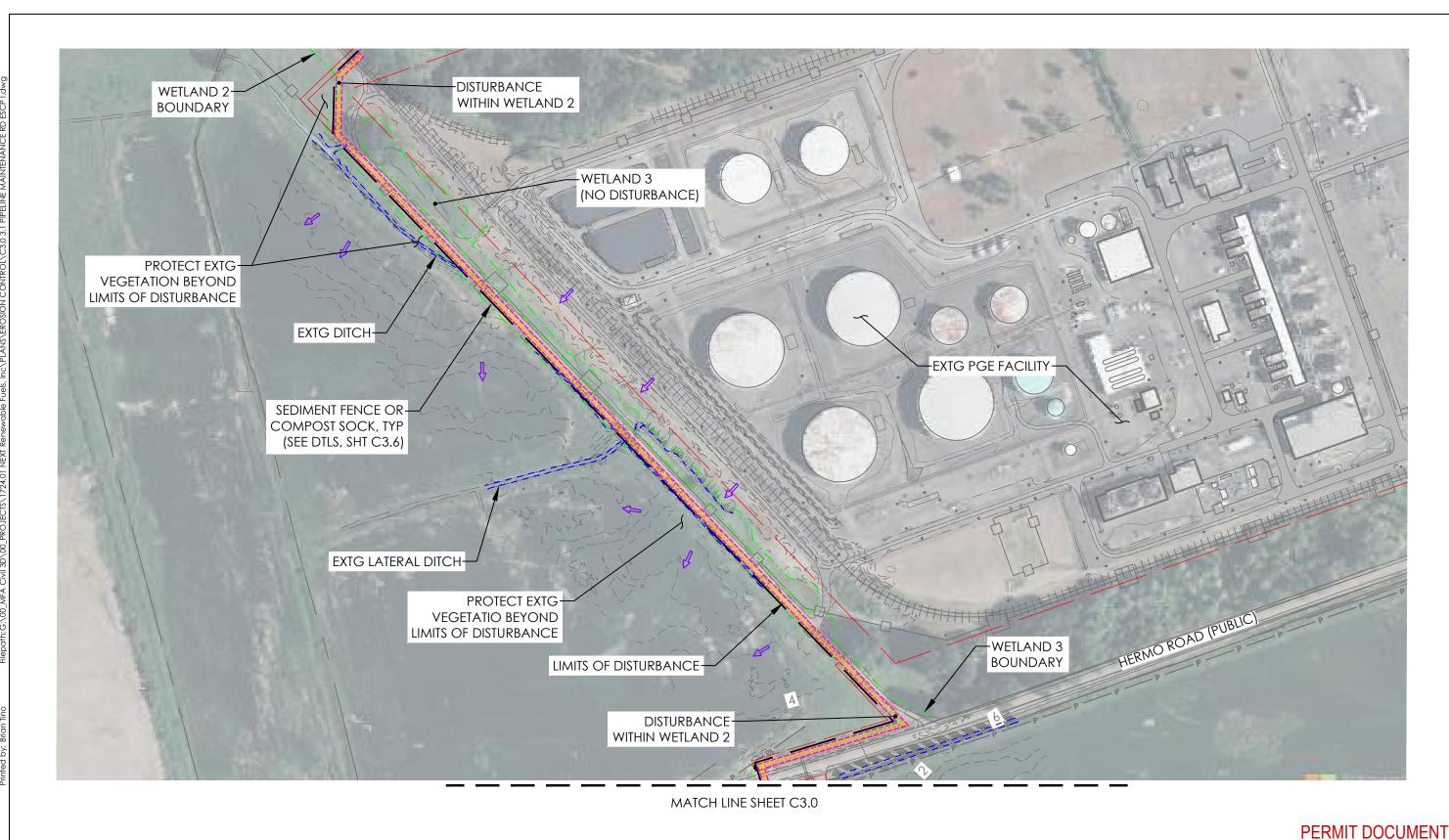


EXHIBIT C3.0



#### PIPELINE/MAINTENANCE RD ESCP II

# NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

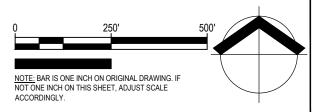


EXHIBIT C3.1

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Renewable Fuels, Inc.

MATCH LINE SHEET C3.0 SEDIMENT FENCE OR LIMITS OF COMPOST SOCK, TYP **DISTURBANCE** (SEE DTLS, SHT C3.6) -DISTURBANCE WITHIN WETLAND 1 MATCH LINE SHEET C3.3 HERMO ROAD (PUBLIC) PROTECT EXTG WATERWAY G PROTECT EXTG VEGETATION BEYOND LIMITS OF DISTURBANCE -TYPE 3 INLET PROTECTION (TYP) TIRE WASH (SEE DTL, SHT C3.7) (SEE DTL, SHT C3.7) MCLEAN SLOUGH-GRAVEL CONSTRUCTION ENTRANCE (SEE DTL, SHT C3.6)

#### PERMIT DOCUMENT

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WEST RAIL SPUR ESCP I

## NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

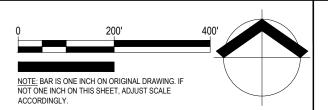
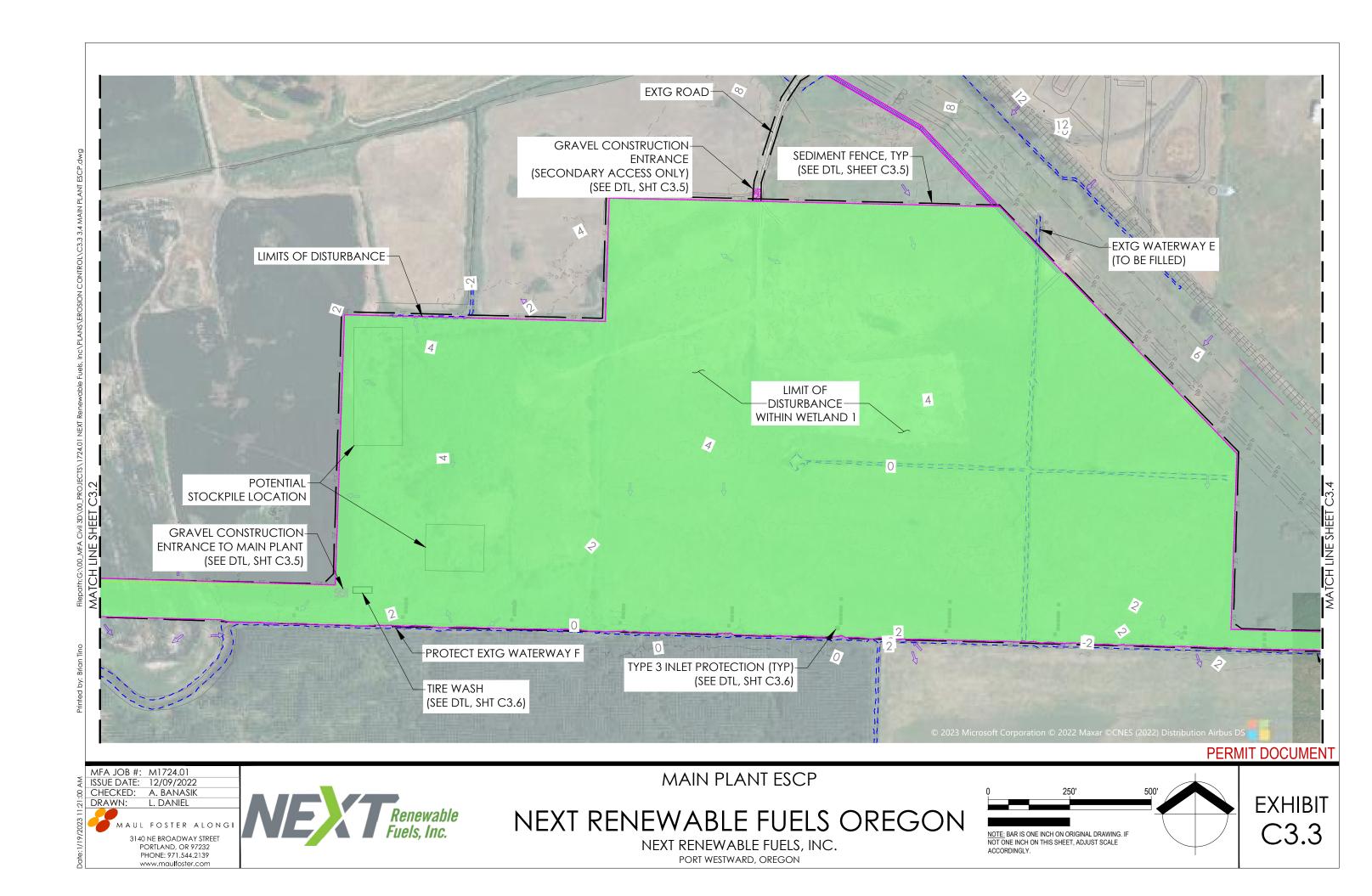


EXHIBIT C3.2

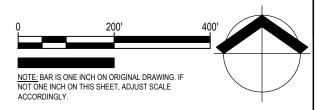


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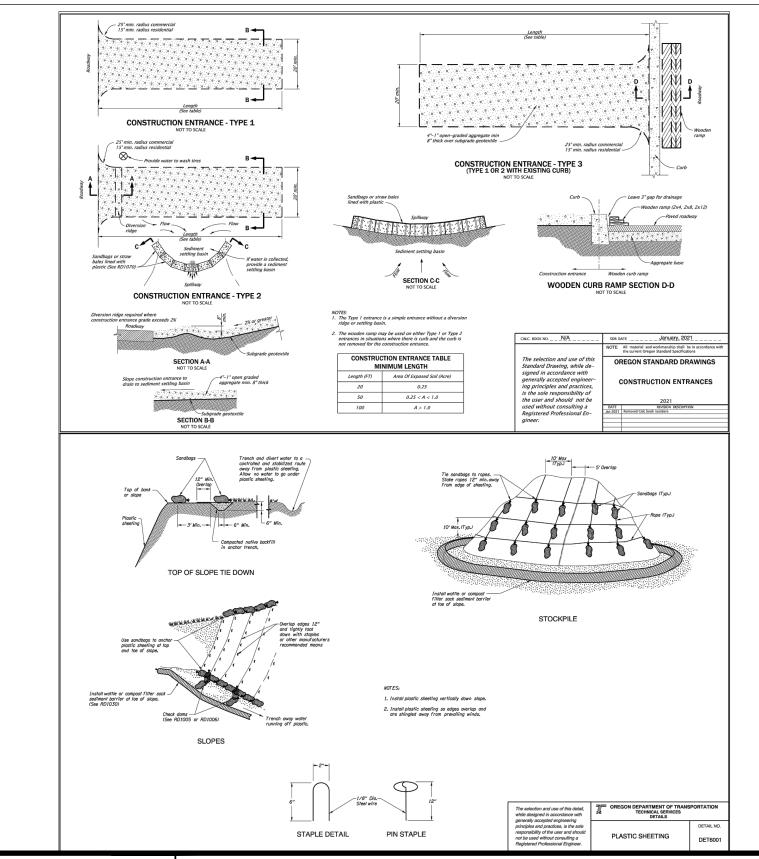
EAST RAIL SPUR ESCP

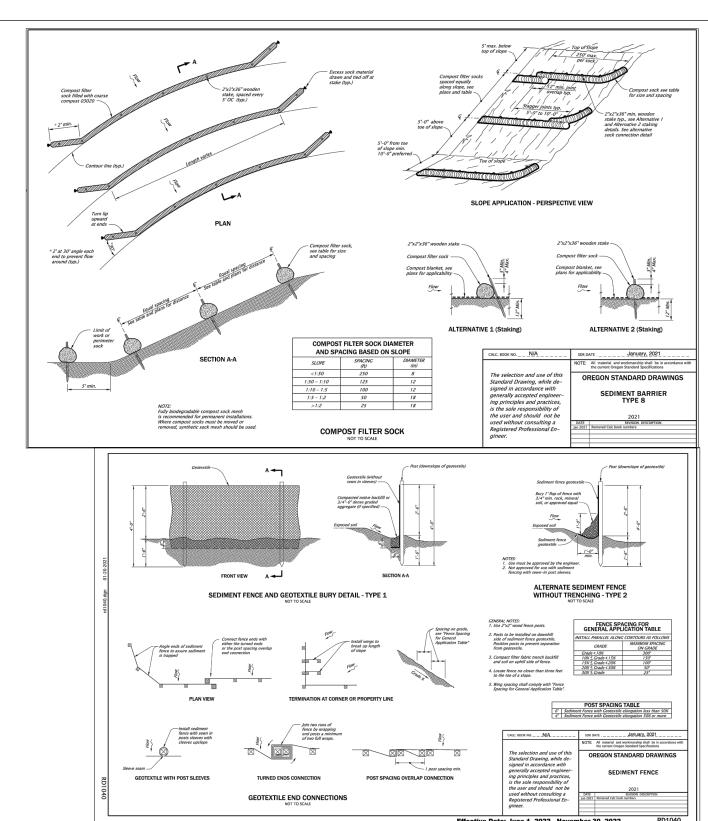
## NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON



**EXHIBIT** C3.4





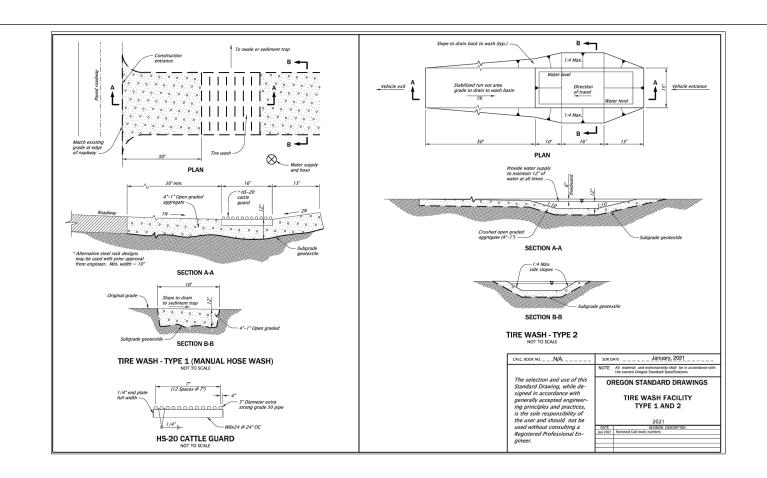
**ESCP DETAILS I** 

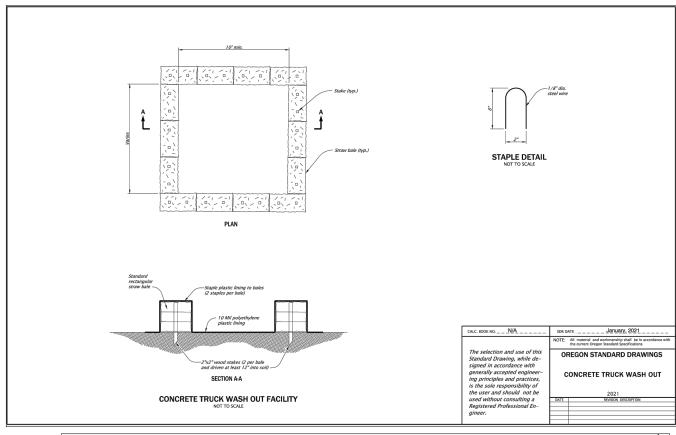
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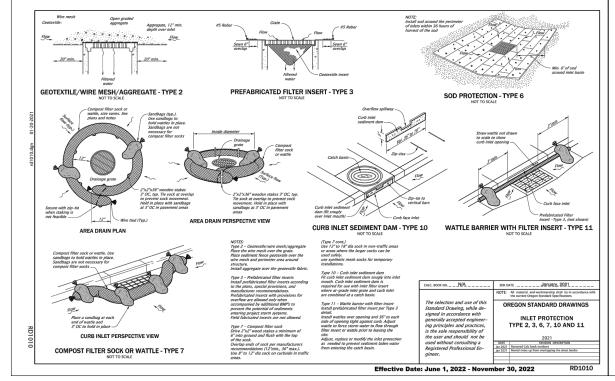
NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON

EXHIBIT C3.5









**ESCP DETAILS II** 

### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC. PORT WESTWARD, OREGON

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MFA JOB #: M1724.01

DRAWN:

**EXHIBIT** C3.6

- 1. ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE THE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.C.I). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION 19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G., ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION
- 2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS (SECTION 6.5)
- 3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
- 4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY (SECTION 4.7)
- 5. THE PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT (SECTIONS 4 AND 4.11)
- 6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS (SECTION 4.8)
- 7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS 23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS (SECTION 4.9)
- 8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING (SECTION 2.2.3)
- 10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS (SECTION 2.2.1)
- 11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED (SECTION 2.2.5)
- 12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE (SECTION 2.2.4)
- 13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE (SECTION
- 14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS (SECTIONS 2.1.1 AND 2.2.16) 30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO
- 15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND 31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW AT THE SITE BOUNDARY (SECTIONS 2.2.6 AND 2.2.13)
- 16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK (SECTION 2.2.14)
- 17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS (SECTIONS 2.2.20 AND

- 18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS (SECTION 2.3.7)
- BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT) (SECTION 2.3.7)
- 20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES (SECTION 2.2.7)
- 21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE (SECTION 2.2.7.F)
- 22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS (SECTIONS 1.5 AND 2.3.9)
- ARE NOT DISTURBED (SECTION 2.2.10)
- 24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED (SECTION 2.2.12)
- 25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS (SECTIONS 2.2.15 AND 2.3)
- 26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER (SEE SECTION 2.2.17.A)
- 27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED (SEE SECTIONS 2.2.17 AND 2.2.18)
- 28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES (SEE SECTION 2.4)
- 29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES (SECTION 2.3)
- AVOID WIND-BLOWN SOIL (SECTION 2.2.9)
- MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE (SECTION 2.3.5)
- 32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF

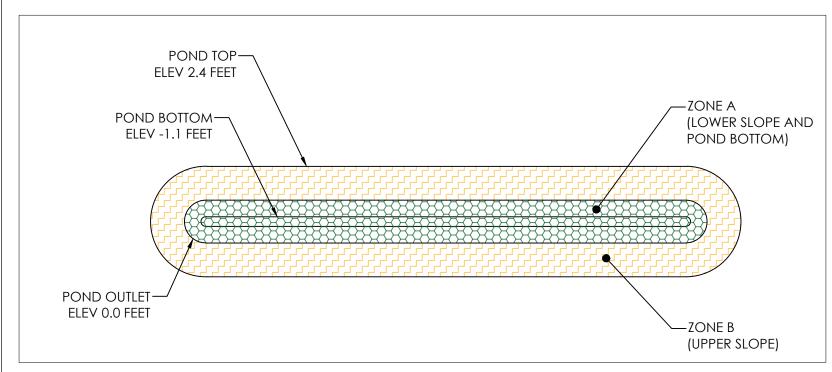
- SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- 33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- 34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
- 35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL (SECTION 2.1.5.B)
- 36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL (SECTION 2.1.5.C)
- 37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT (SECTION 2.1.5.D)
- 38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
- 39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- 40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS (SECTION 6.5.F)
- 41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- 42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE (SECTION 2.2.21)
- 43. ALL FACILITIES TO BE USED FOR POST-CONSTRUCTION STORMWATER MANAGEMENT SHOULD BE DELINEATED ONCE CONSTRUCTED TO PREVENT TRAMPLING BY FOOT OR EQUIPMENT.
- 44. ONCE INSTALLED, INLET PROTECTION WILL BE IMPLEMENTED FOR EACH CATCH BASIN FOR THE DURATION OF CONSTRUCTION.

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**ESCP NOTES** 

### NEXT RENEWABLE FUELS OREGON

**EXHIBIT** 



#### SEED MIX

#### LOCATION DESCRIPTION

ZONE A

PROTIME SEED MIX 440 (NATIVE BIOFILTER MIX):

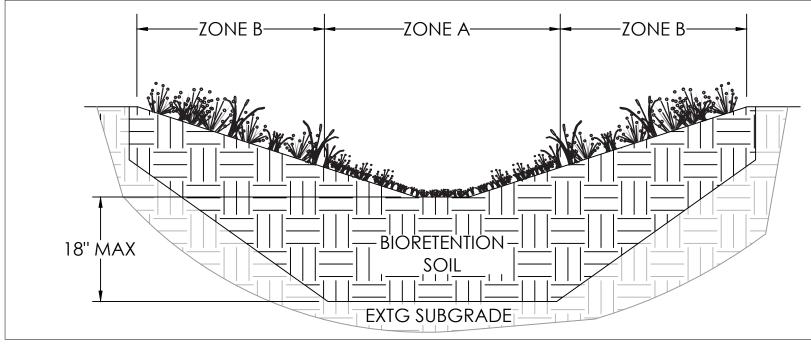
- MEADOW BARLEY (HORDEUM BRACHYANTHERUM)
- BLUE WILDRYE (ELYMUS GLAUCUS)
- TUFTED HAIRGRASS (DESCHAMPSIA CESPITOSA)
- AMERICAN SLOUGHGRASS (BECKMANNIA SYZIGACHNE)
- WESTERN MANNAGRASS (GLYCERIA OCCIDENTALIS)

**ZONE B** 

PROTIME SEED MIX 498 NATIVE RIPARIAN MIX):

- BLUE WILDRYE (ELYMUS GLAUCUS)
  - SPIKE BENTGRASS (AGROSTIS EXARATA)
- SLENDER HAIRGRASS (DESCHAMPSIA ELONGATA)
- LARGE LEAF LUPINE (LUPINUS POLYPHYLLUS)

# A STORMWATER POND PLANTING PLAN, TYP NOT TO SCALE



#### POND DETAILS

- USE MAXIMUM 18" SOILS THAT MEET THE SPECIFICATIONS OF A HIGH PERFORMANCE BIORETENTION SOIL MIX AS DEFINED IN THE WASHINGTON DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON
- 3:1 SIDE SLOPES
- DELINEATION BETWEEN ZONE A AND B IS SET AT THE OUTLET ELEVATION (0.0 FEET)

#### CONSTRUCTION CONSIDERATIONS

MARK THE LOCATION OF PROPOSED FACILITIES AND FENCE OR COVER FACILITY LOCATIONS AFTER EXCAVATION. LEAVE AT LEAST 6" OF NATIVE SOIL DURING THE INITIAL EXCAVATION TO LIMIT COMPACTION DURING CONSTRUCTION. DO NOT ALLOW VEHICULAR TRAFFIC, FOOT TRAFFIC, MATERIAL STORAGE, OR HEAVY EQUIPMENT WITHIN 10 FEET OF THE POND AREA EXCEPT AS NEEDED TO EXCAVATE, GRADE, AND CONSTRUCT THE FACILITY. DO NOT ALLOW ENTRY OF RUNOFF OR SEDIMENT DURING CONSTRUCTION

B STORMWATER POND DETAIL
NOT TO SCALE

MFA JOB #: M1724.01
ISSUE DATE: 12/09/2022
CHECKED: A. BANASIK
DRAWN: L. DANIEL

MAUL FOSTER ALONGI

3140 NE BROADWAY STREET

PORTLAND, OR 97232 PHONE: 971.544.2139 Renewable Fuels, Inc.

PLANTING PLAN AND POND DETAIL

#### NEXT RENEWABLE FUELS OREGON

NEXT RENEWABLE FUELS, INC.
PORT WESTWARD, OREGON

EXHIBIT C3.8

Date-1/27/2023 1:04:38