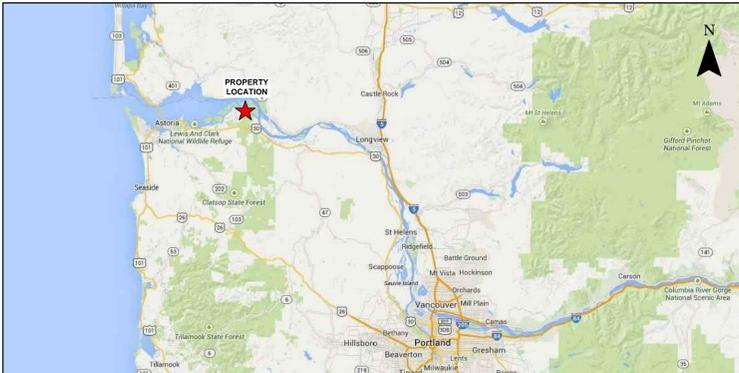


SITE MAP (NOT TO SCALE)



VICINITY MAP (NOT TO SCALE)



PROJECT LOCATION:

OWNER: CASCADE KELLY HOLDINGS, LLC

PROJECT NAME: COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION

PROJECT LOCATION: 81200 KALLUNKI ROAD, CLATSKANIE, OREGON 97018

LATITUDE = 46.172, LONGITUDE = -123.164

INSPECTION FREQUENCY:

Table with 2 columns: Site Conditions, Minimum Frequency. Contains 4 rows detailing inspection requirements for active periods, site inactivity, and inaccessible areas.

- HOLD A PRE-CON MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE EC INSPECTOR.
• ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
• INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
• REVISIONS TO THE APPROVED ESC PLAN MUST BE SUBMITTED TO DEQ OR AGENT IN ACCORDANCE WITH CURRENT 1200-C PERMIT.

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS

- EXISTING INDUSTRIAL FACILITY, OPERATES AS BOTH A FUEL ETHANOL PRODUCTION FACILITY (SIC CODE 2869) AND A BULK LIQUID COMMODITY TERMINAL (SIC CODE 5171).
• TOTAL SITE AREA = 43.62.

RE-DEVELOPED CONDITIONS

- ADDITION OF A 5-ACRE SECONDARY CONTAINMENT TANK FARM TO HOUSE SIX STORAGE TANKS THAT WILL ADD 2.7 ACRES OF NEW IMPERVIOUS SURFACE ON NORTH SIDE OF SITE
• RELOCATION OF 14,000 SQUARE FOOT WAREHOUSE THAT WILL ADD 0.70 ACRES OF NEW IMPERVIOUS SURFACE (ASPHALT) ON SOUTH SIDE OF SITE
• NEW PUMP CONTAINMENT VAULT IN RAIL UNLOAD AREA
• NEW PIPELINE FROM RAIL UNLOAD AREA TO TANK FARM

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- TOTAL CONSTRUCTION SCHEDULE: MARCH 2015 - JUNE 2016 (CONTINGENCY SCHEDULE THROUGH DECEMBER 2016)
• DEMOLITION & CLEARING (MAR - OCT 2015)
• GRADING (OCT - JUN 2015)
• CONCRETE WORK (JUL 2015 - MAY 2016)
• PAVING (MAR 2015, DEC - FEB 2016)
• FINAL STABILIZATION (JUN 2016)
TOTAL SITE AREA = 43.62 ACRES
TOTAL DISTURBED AREA = 7 ACRES

SITE SOIL CLASSIFICATION:

GENERALLY FLAT PASTURE LAND
SLOPE 0-3%
TYPE A SOILS - LOAMY SAND
SOIL SURVEY OF COLUMBIA COUNTY, OREGON BY RICHARD T SMYTHE, SOIL CONSERVATION SERVICE: SOIL TYPE 61 - UDIPSAMMENTS, NEARLY LEVEL, PROTECTED. THESE VERY DEEP EXCESSIVELY DRAINED SOILS ARE ON FLOOD PLAINS ALONG THE COLUMBIA RIVER. ELEVATION 10 TO 35 FEET.

RECEIVING WATER BODY:

COLUMBIA RIVER

PERMITEE'S SITE INSPECTOR:

CONTACT: AYN GENERES, PE, CESCL
COMPANY: SOUNDEARTH STRATEGIES, INC.
PHONE: 866-850-1900
E-MAIL: AGENERES@SOUNDEARTHINC.COM

DESCRIPTION OF EXPERIENCE: 15 YEARS IN DESIGN AND IMPLEMENTATION OF STORMWATER CONTROLS. WASHINGTON-CERTIFIED EROSION AND SEDIMENT CONTROL LEAD. OREGON-REGISTERED PROFESSIONAL ENGINEER.

SHEET INDEX:

- SHEET 1 - COVER SHEET
SHEET 2 - EXISTING CONDITIONS
SHEET 3 - PRE-CONSTRUCTION NORTH SITE PLAN
SHEET 4 - PRE-CONSTRUCTION SOUTH SITE PLAN
SHEET 5 - DURING-CONSTRUCTION NORTH SITE PLAN
SHEET 6 - DURING-CONSTRUCTION SOUTH SITE PLAN
SHEET 7 - POST-CONSTRUCTION SITE PLAN
SHEET 8 - CONSTRUCTION BMP DETAILS

BMP MATRIX FOR CONSTRUCTION PHASES

Matrix table showing BMP implementation for 2015 and 2016 across months from March to June. BMPs include Pipe Slope Drains, Check Dams, Seeding, Mulches, etc.

LEGEND

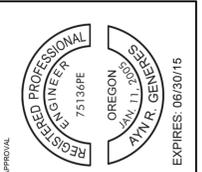
- PROPERTY BOUNDARY (dashed line)
RAILROAD (RR symbol)
SOIL DISTURBANCE (solid line)
EXISTING MINOR CONTOUR (2 FT) (dashed line)
EXISTING MAJOR CONTOUR (10 FT) (solid line)
SEDIMENT BARRIER (PERIMETER) (dashed line)
SEDIMENT BARRIER (INTERIOR) (dashed line)
ORANGE CONSTRUCTION FENCE (orange line)
TEMPORARY STORMWATER LINE (dashed line)
STOCKPILE BARRIER (E symbol)
CHECK DAM (E symbol)
CONSTRUCTION ENTRANCE/EXIT (E symbol)
DIVERSION DIKE (dashed line)
DIVERSION SWALE (dashed line)
DIVERSION DIKE/SWALE (dashed line)
INLET PROTECTION (square symbol)
SEDIMENT MAT (square symbol)
TEMPORARY SLOPE DRAIN (square symbol)
COMPOST BLANKET (square symbol)
SEEDING & MULCHING (square symbol)
CONCRETE WASHOUT (square symbol)
OUTLET PROTECTION (square symbol)
ROCK FILTER BERM (square symbol)
TEMPORARY SLOPE STABILIZATION MEASURES (square symbol)
LONG TERM SLOPE STABILIZATION MEASURES (square symbol)
NEW IMPERVIOUS SURFACE (square symbol)
EXISTING PAVEMENT (square symbol)
DRAINAGE FLOW DIRECTION (arrow symbol)

STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES

- 1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
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.
5. ALL 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.
6. THE ESCP MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS.
7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED.
8. PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION.
9. IDENTIFY, MARK, AND PROTECT (BY FENCING OFF OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED.
10. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS.
11. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PERIMETER SEDIMENT CONTROL MUST BE IN PLACE BEFORE VEGETATION IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION.
12. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK.
13. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES AND FOR ALL ROADWAYS INCLUDING GRAVEL ROADWAYS.
14. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS.
15. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: GRAVELED (OR PAVED) EXITS AND PARKING AREAS.
16. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE.
17. 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.
18. 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.
19. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.
20. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS.
21. IF A STORMWATER 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.
22. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED.
23. 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.
24. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING WET WEATHER.
25. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL.
26. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT, AND BEFORE BMP REMOVAL.
27. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT.
28. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED.
29. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR.
30. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER.
31. 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.
32. PROVIDE PERMANENT EROSION CONTROL MEASURES ON ALL EXPOSED AREAS. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. HOWEVER, DO REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AS EXPOSED AREAS BECOME STABILIZED, UNLESS DOING SO CONFLICTS WITH LOCAL REQUIREMENTS.

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMPS) OPTIONS BASED ON DEQ'S 1200-C PERMIT APPLICATION AND ESCP GUIDANCE DOCUMENT HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPS WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISION THE ESCP, AN ACTION PLAN WILL BE SUBMITTED.

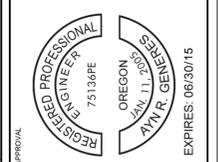
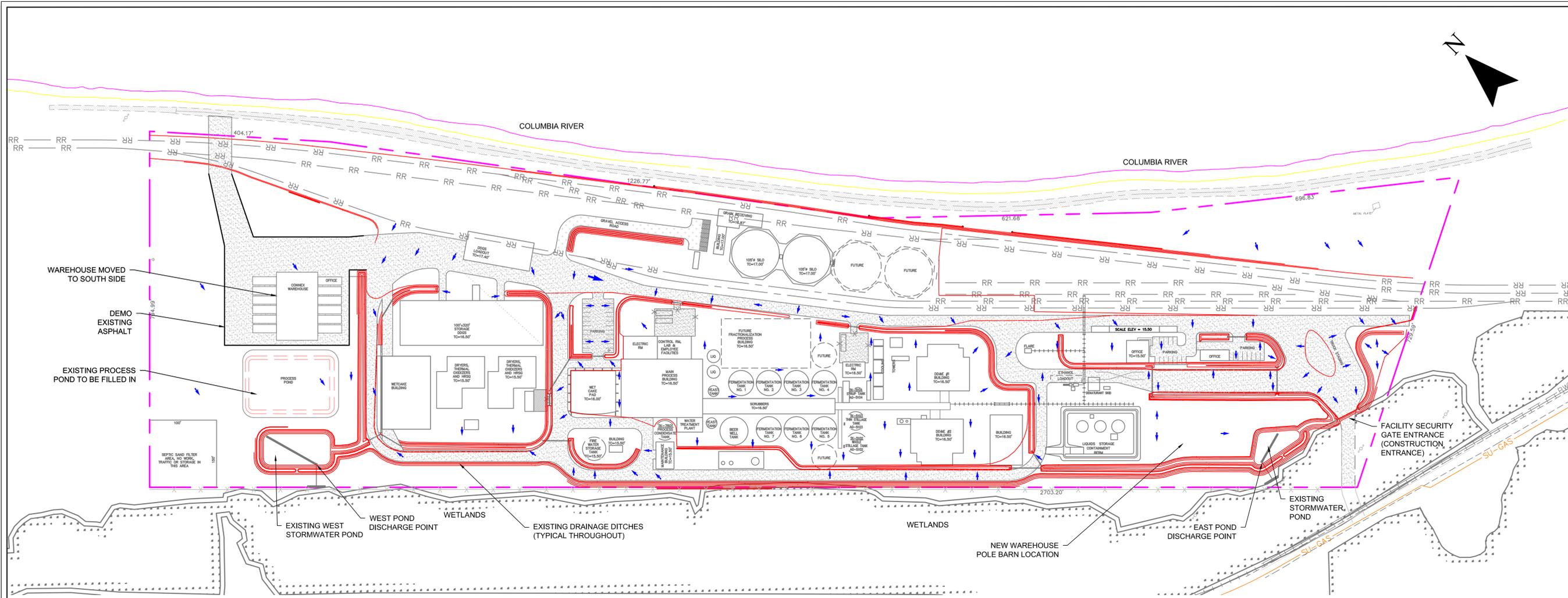


Approval table with columns for Project, Date, Drawn By, Checked By, Date, and Project Name. Includes project details for Columbia Pacific Bio-Refinery Transload Expansion.

EROSION AND SEDIMENT CONTROL PLAN COVER SHEET AND NOTES



Revision table with columns for Date, Revision, and Sheet No. Includes a revision entry for '1'.



PROJECT		COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION	
DATE		02/05/2015	
DRAWN BY		BLR	
CHECKED BY		ARG	
PROJECT NAME		CPR TRANSLOAD EXPANSION	
PROJECT NO.		1012-001-01	
PROJ. NO.		1012_CPBR_2015ESCP	
ISSUED FOR		CPR TRANSLOAD EXPANSION	
APPROVED		[Signature]	
DATE		[Date]	

EROSION AND SEDIMENT CONTROL PLAN

EXISTING CONDITIONS

LEGEND

- - - PROPERTY BOUNDARY
- RR — RAILROAD
- X - X - FENCELINE
- MAJOR CONTOUR
- - - MINOR CONTOUR
- EXISTING PAVEMENT
- ➔ DRAINAGE FLOW DIRECTION

NOTE:
EXISTING SITE PLAN AND ELEVATIONS BASED ON CASCADE GRAIN, LLC GRADING PLAN BY W.B. WELLS AND ASSOCIATES, INC. (DRAWING NUMBER 52401-C-10-0000, DATED AUGUST 8, 2006).

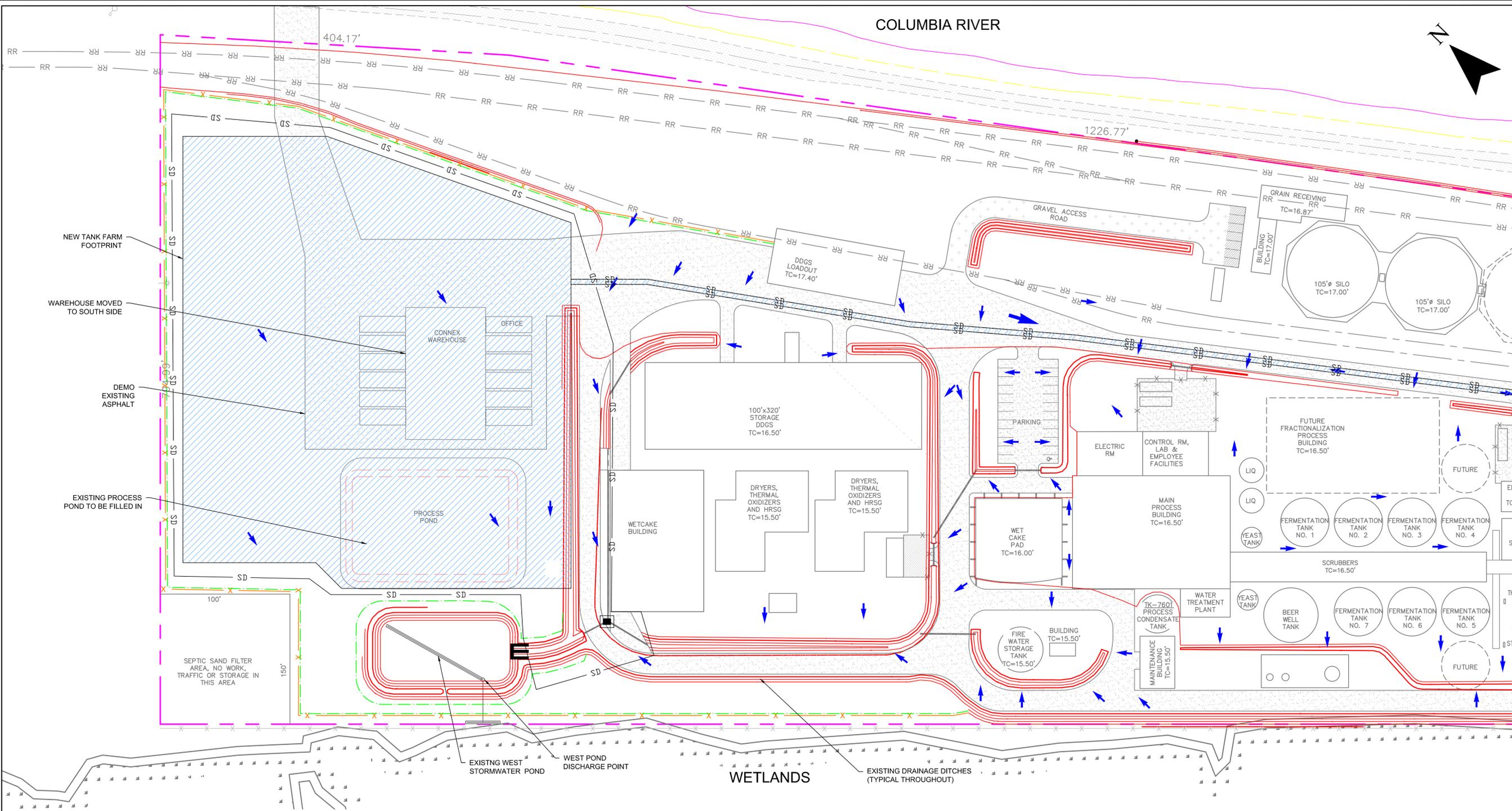
SoundEarth Strategies

SOUNDEARTH STRATEGIES, INC.
2811 FAIRVIEW AVENUE EAST, SUITE 2000,
SEATTLE, WA 98102
SOUNDENVIRONMENTAL.COM

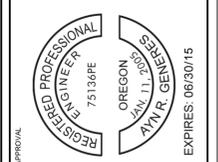
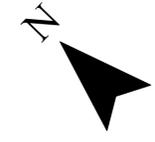
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#	DATE	REVISION	SHEET NO.
			2 OF 8

2/10/2015

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COLUMBIA RIVER



PROJECT		COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION	
ADDRESS		81200 KALLUNKI ROAD CLATSkanie, OREGON	
DATE	02/05/2015	PROJ. NO.	1012_CPBR_2015ESCP
DRAWN BY	BLR	PROJ. MGR.	CPBR TRANSLOAD EXPANSION
CHECKED BY		ISSUED FOR	1012-001-01

EROSION AND SEDIMENT CONTROL PLAN
PRE-CONSTRUCTION NORTH SITE PLAN

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 SEATTLE, WA 98102
 SOUNDEVIRONMENTAL.COM

DATE	REVISION	SHEET NO.	3 OF 8
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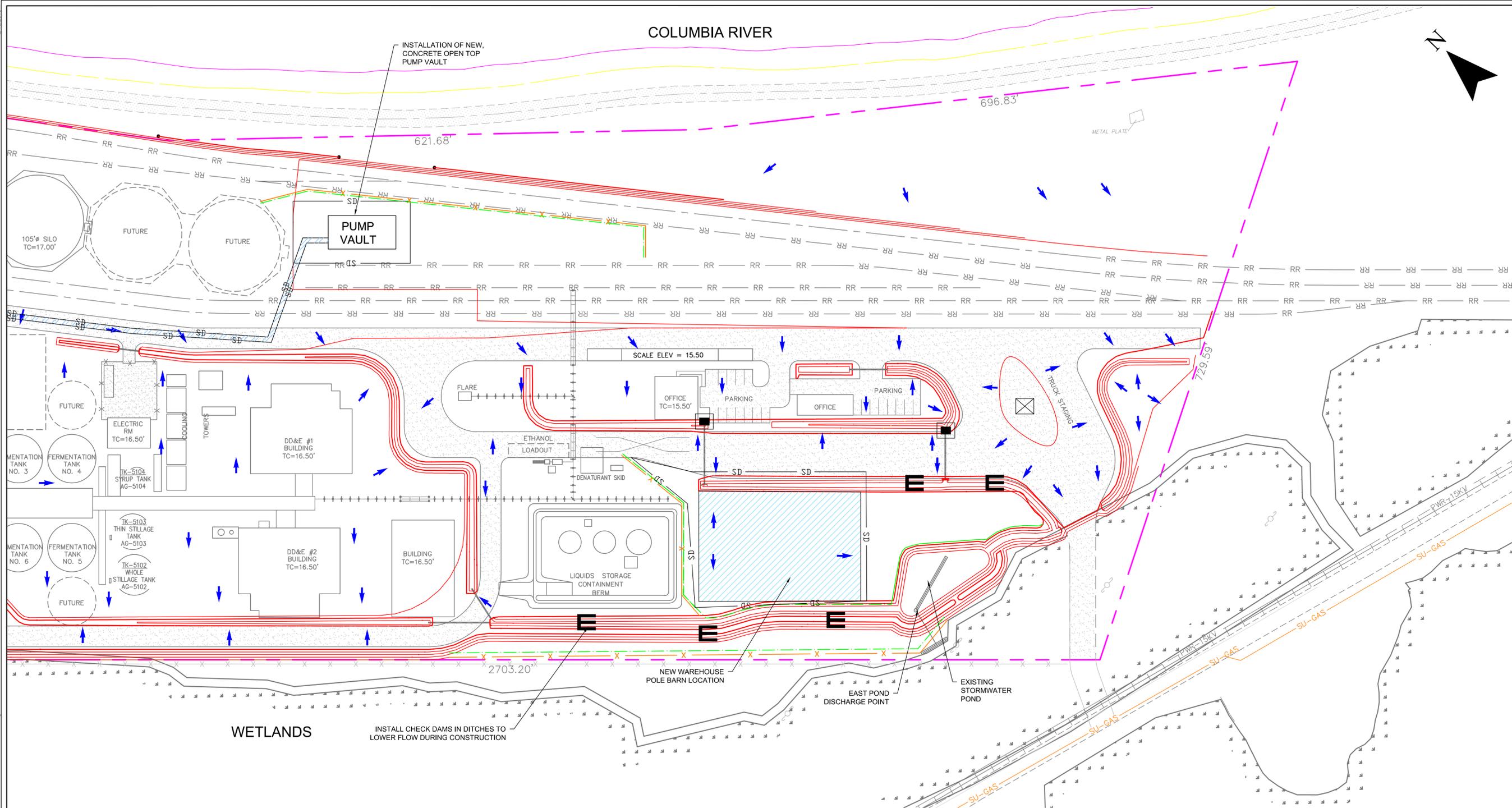
- PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:**
- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS, CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLETS, OR OTHER APPROVED MATERIALS.
 - SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
 - CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
 - RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

LEGEND

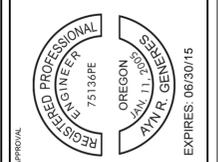
- SD SOIL DISTURBANCE
- SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- INLET PROTECTION
- CHECK DAM
- NEW IMPERVIOUS SURFACE
- DRAINAGE FLOW DIRECTION

2/10/2015

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COLUMBIA RIVER



PROJECT		COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION	
APPROXIMATE SCALE IN FEET		81200 KALLUNKI ROAD CLATSkanie, OREGON	
DATE	02/05/2015	PROJ. ENG.	BLR
DRAWN BY	ARG	PROJ. MGR.	1012_CPBR_2015ESC
CHECKED BY	1012_CPBR_2015ESC	APPROVED	CPBR TRANSLOAD EXPANSION
PROJECT NAME	1012-001-01	ISSUED FOR	

EROSION AND SEDIMENT CONTROL PLAN
PRE-CONSTRUCTION
SOUTH SITE PLAN

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 SEATTLE, WA 98102
 SOUNDENVIRONMENTAL.COM

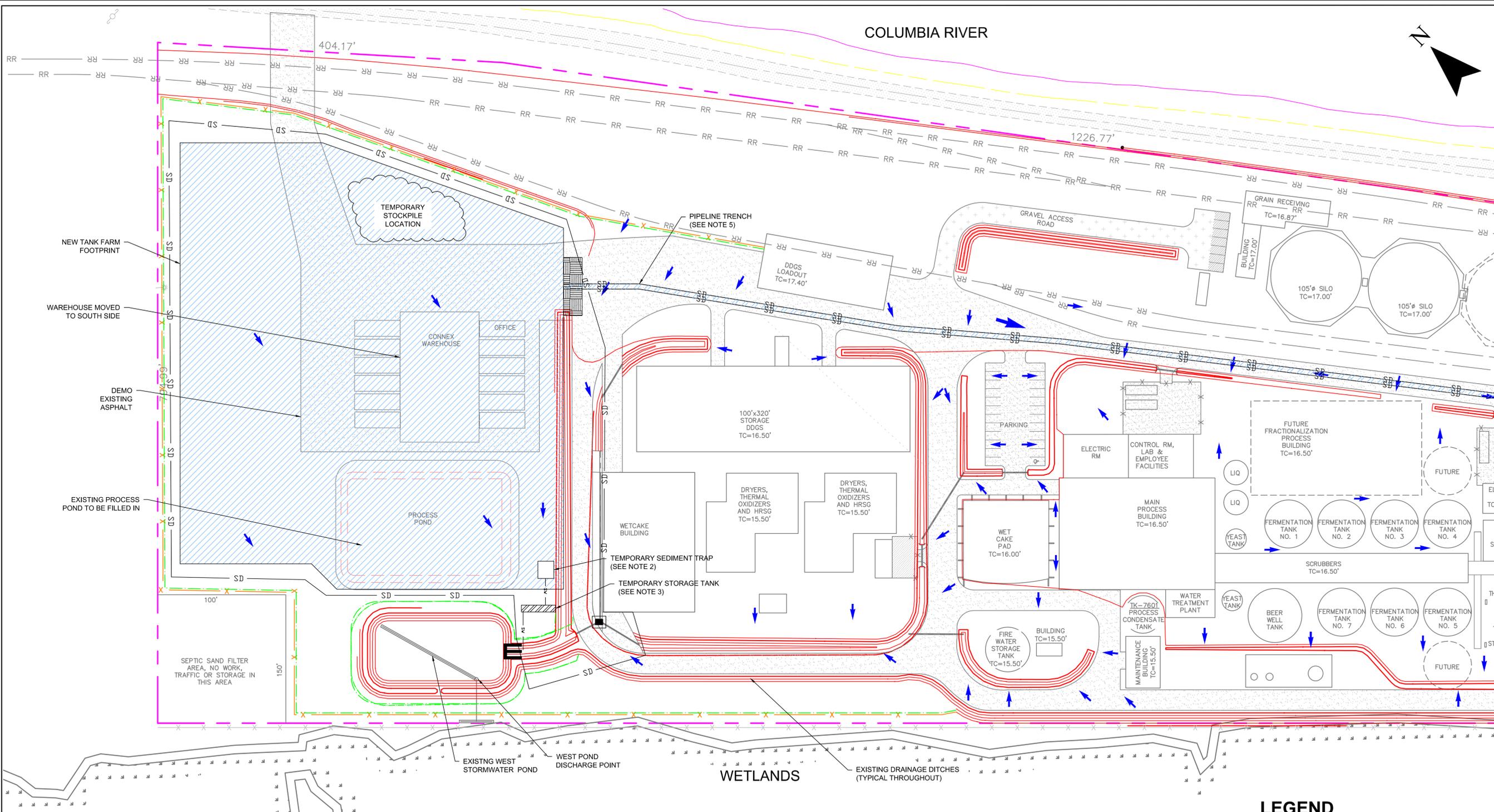
DATE	REVISION	4 OF 8
		4

- PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:**
- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
 - SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS, CONSTRUCTED OUT OF MULCH, CHIPPINGS, OR OTHER SUITABLE MATERIAL, STRAW WATTLE, OR OTHER APPROVED MATERIALS.
 - SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
 - CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
 - RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.

LEGEND

- SD SOIL DISTURBANCE
- SB SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- INLET PROTECTION
- CHECK DAM
- CONCRETE WASHOUT STATION
- DRAINAGE FLOW DIRECTION

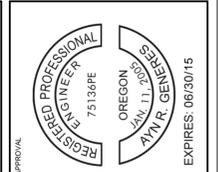
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- CONSTRUCTION NOTES:**
- CONSTRUCTION ENTRANCE INSTALLED AFTER DEMOLITION OF EXISTING ASPHALT.
 - TEMPORARY IN-GROUND SEDIMENT TRAP USED DURING GRADING. IT WILL BE VISUALLY INSPECTED BEFORE DISCHARGE TO THE EXISTING STORMWATER POND
 - IF ADDITIONAL SETTLING REQUIRED, STORMWATER WILL BE PUMPED FROM BASIN SURFACE TO TEMPORARY SETTLING TANK TO GRAVITY SETTLE. IT WILL BE VISUALLY INSPECTED BEFORE DISCHARGING FROM TANK SURFACE TO THE EXISTING STORMWATER POND.
 - DISCHARGE FROM COVERED TEMPORARY STOCKPILE WILL BE CONTROLLED USING SEDIMENT BARRIERS AROUND PERIMETER.
 - PIPELINE TRENCHING WILL BE COMPLETE IN PHASES WITH APPROXIMATELY 50 LINEAR FEET OF EXCAVATION AND BACKFILL PER DAY. TEMPORARY SEDIMENT BARRIERS TO BE IN PLACE, BEFORE TRENCHING, ALONG ROADWAY TO PROTECT DRAINAGE DITCHES DURING EACH PHASE.

LEGEND

- SW — TEMPORARY STORMWATER LINE
- STOCKPILE BARRIER
- SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- INLET PROTECTION
- CHECK DAM
- SETTLING TANK
- NEW IMPERVIOUS SURFACE
- DRAINAGE FLOW DIRECTION

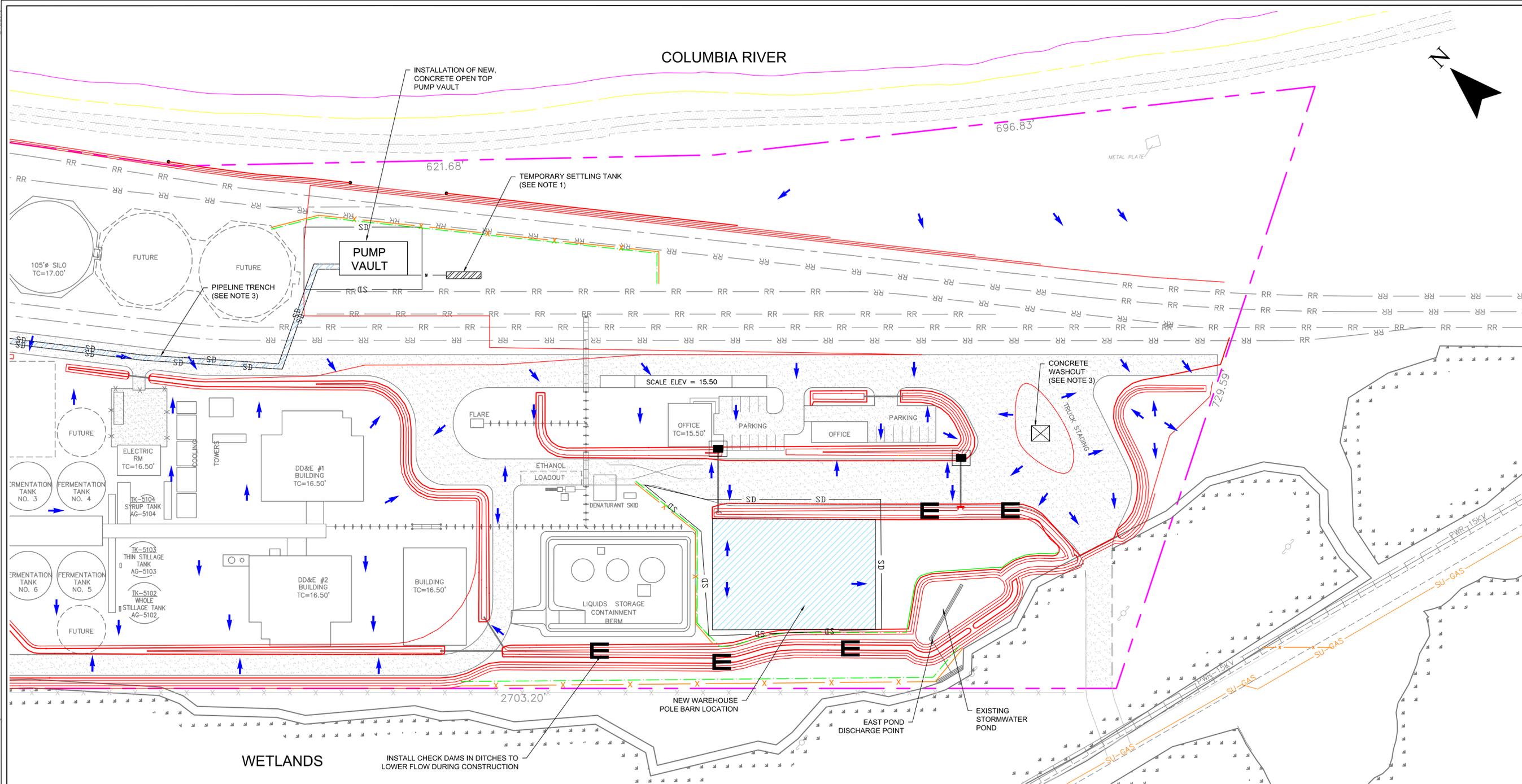


COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION 81200 KALLUNKI ROAD CLATSkanie, OREGON	
DATE	02/05/2015
DRAWN BY	BLR
CHECKED BY	1012_CPBR_2015ESCP
PROJECT NAME	CPBR TRANSLOAD EXPANSION
PROJECT NO.	1012-001-01

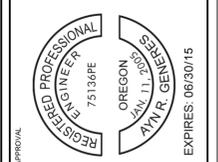
**EROSION AND SEDIMENT
 CONTROL PLAN
 DURING-CONSTRUCTION
 NORTH SITE PLAN**

**SoundEarth
 Strategies**
 SOUNDEARTH STRATEGIES, INC.
 2811 FAIRVIEW AVENUE EAST, SUITE 2000,
 SEATTLE, WA 98102
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DATE	REVISION	5 OF 8
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COLUMBIA RIVER



PROJECT		COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION	
APPROVAL		81200 KALLUNKI ROAD CLATSkanie, OREGON	
DATE	PROJ. NO.	DATE	ISSUED FOR
02/05/2015	1012_CPBR_2015ESCP		
DRAWN BY	CHECKED BY	PROJECT NAME	PROJECT NO.
BLR	ARG	CPBR TRANSLOAD EXPANSION	1012-001-01

EROSION AND SEDIMENT CONTROL PLAN

DURING-CONSTRUCTION SOUTH SITE PLAN

LEGEND

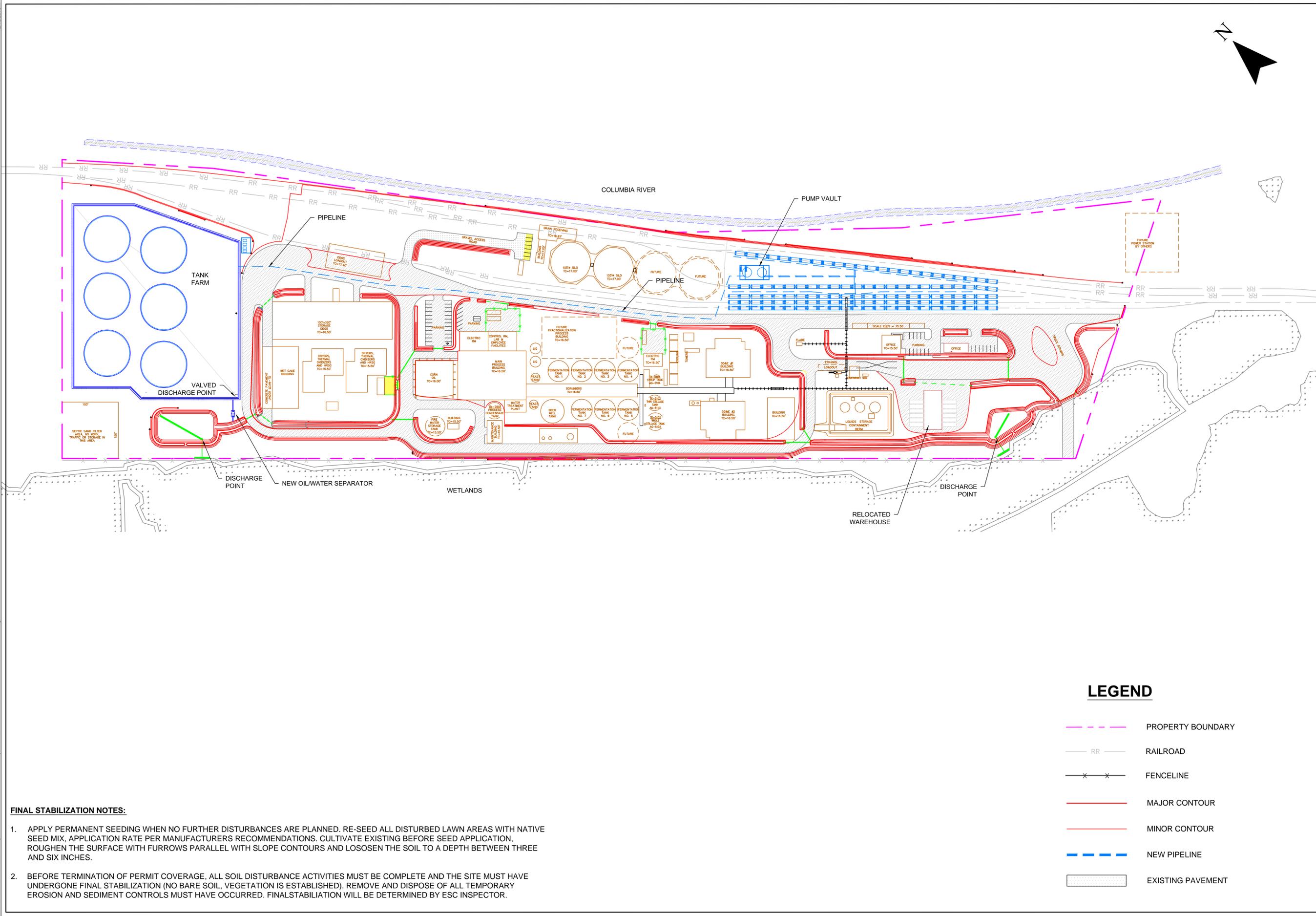
- SOIL DISTURBANCE
- SEDIMENT BARRIER (INTERIOR)
- ORANGE CONSTRUCTION FENCE
- INLET PROTECTION
- CHECK DAM
- SETTLING TANK
- CONCRETE WASHOUT
- NEW IMPERVIOUS SURFACE
- DRAINAGE FLOW DIRECTION

CONSTRUCTION NOTES:

- STORMWATER WILL BE PUMPED FROM SURFACE TO TEMPORARY SETTLING TANK TO GRAVITY SETTLE BEFORE DISCHARGE TO DRAINAGE DITCH. IT WILL BE VISUALLY INSPECTED BEFORE IT DISCHARGES FROM TANK SURFACE TO THE EXISTING STORMWATER POND.
- CONCRETE WASHOUT TO BE USED BEFORE LEAVING SITE FOR THE DURATION OF CONCRETE WORK. THE CONCRETE WASHOUT FACILITY SHOULD BE LOCATED A MINIMUM OF FIFTY FEET FROM DRAINAGE DITCHES AND WATERBODIES. THE CONCRETE WASHOUT FACILITY SHOULD BE INSPECTED DAILY AND AFTER HEAVY RAINS TO CHECK FOR LEAKS, IDENTIFY IF ANY PLASTIC LININGS AND SIDEWALLS HAVE BEEN DAMAGED BY CONSTRUCTION ACTIVITIES, AND DETERMINE WHETHER IT HAS BEEN FILLED TO OVER 75 PERCENT OF ITS CAPACITY. WHEN WASHOUT CONTAINER IS FILLED TO OVER 75 PERCENT OF ITS CAPACITY, THE WASHWATER SHOULD BE VACUUMED OFF OR ALLOWED TO EVAPORATE TO AVOID OVERFLOWS. THEN WHEN THE REMAINING CEMENTITIOUS SOLIDS HAVE HARDENED, THEY SHOULD BE REMOVED AND RECYCLED. DAMAGES TO THE CONTAINER SHOULD BE REPAIRED PROMPTLY. BEFORE HEAVY RAINS, THE WASHOUT CONTAINER'S LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER SHOULD BE COVERED TO AVOID AN OVERFLOW DURING THE RAIN STORM.
- PIPELINE TRENCHING WILL BE COMPLETE IN PHASES WITH APPROXIMATELY 50 LINEAR FEET OF EXCAVATION AND BACKFILL PER DAY. TEMPORARY SEDIMENT BARRIERS TO BE IN PLACE, BEFORE TRENCHING, ALONG ROADWAY TO PROTECT DRAINAGE DITCHES DURING EACH PHASE.

SoundEarth Strategies
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 SEATTLE, WA 98102
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△	2/10/15	Revised concrete washout location and note 4.
△	DATE	REVISION
	SHEET NO.	6 OF 8



FINAL STABILIZATION NOTES:

1. APPLY PERMANENT SEEDING WHEN NO FURTHER DISTURBANCES ARE PLANNED. RE-SEED ALL DISTURBED LAWN AREAS WITH NATIVE SEED MIX, APPLICATION RATE PER MANUFACTURERS RECOMMENDATIONS. CULTIVATE EXISTING BEFORE SEED APPLICATION, ROUGHEN THE SURFACE WITH FURROWS PARALLEL WITH SLOPE CONTOURS AND LOSE THE SOIL TO A DEPTH BETWEEN THREE AND SIX INCHES.
2. BEFORE TERMINATION OF PERMIT COVERAGE, ALL SOIL DISTURBANCE ACTIVITIES MUST BE COMPLETE AND THE SITE MUST HAVE UNDERGONE FINAL STABILIZATION (NO BARE SOIL, VEGETATION IS ESTABLISHED), REMOVE AND DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROLS MUST HAVE OCCURRED. FINAL STABILIZATION WILL BE DETERMINED BY ESC INSPECTOR.

LEGEND

- PROPERTY BOUNDARY
- RAILROAD
- FENCELINE
- MAJOR CONTOUR
- MINOR CONTOUR
- NEW PIPELINE
- EXISTING PAVEMENT

APPROVAL

PROJECT

**COLUMBIA PACIFIC BIO-REFINERY
TRANSLOAD EXPANSION**
81200 KALLUNKI ROAD
CLATSkanie, OREGON

SCALE

0 300 600 1200

APPROXIMATE SCALE IN FEET

DATE

02/05/2015

DRAWN BY

BLR

PROJECT NO.

1012-001-01

DATE

02/05/2015

PROJECT NAME

CPR TRANSLOAD EXPANSION

CHECKED BY

ARG

ISSUED FOR

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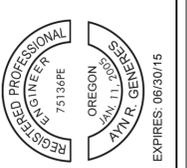
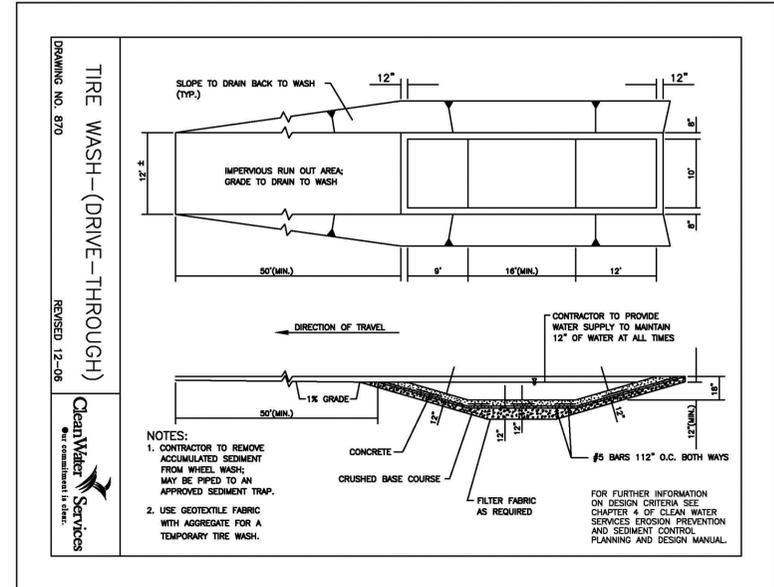
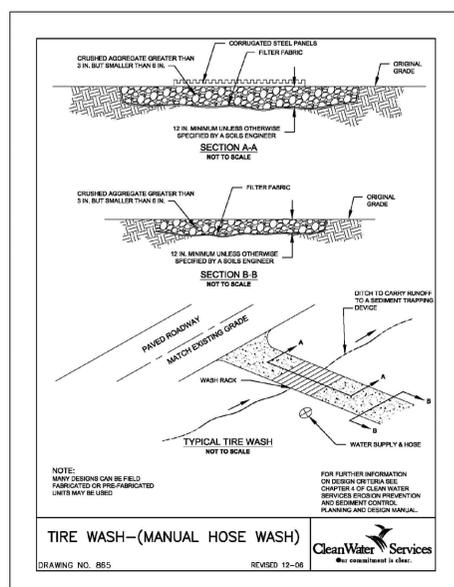
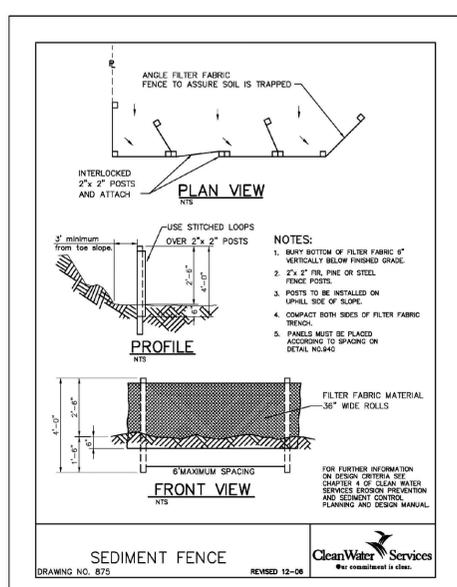
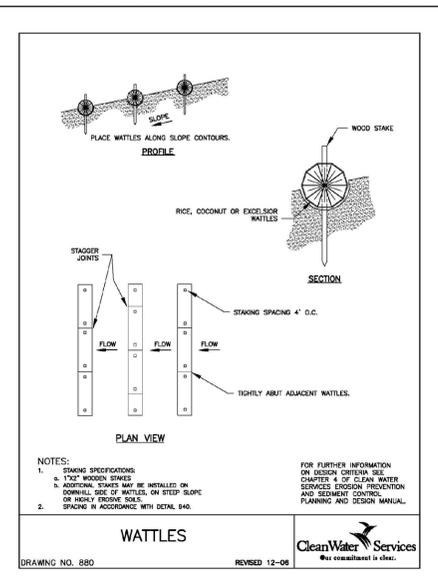
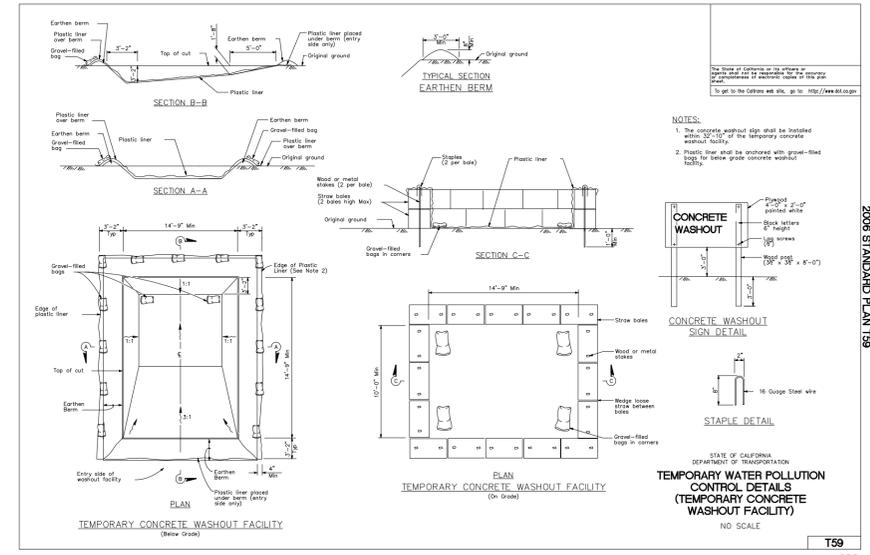
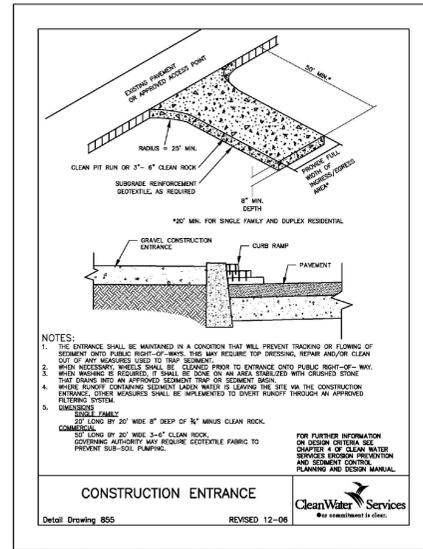
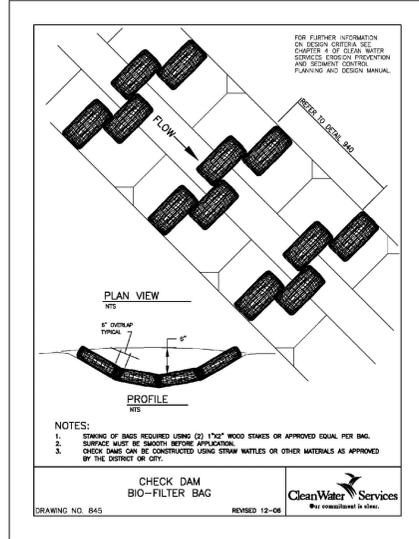
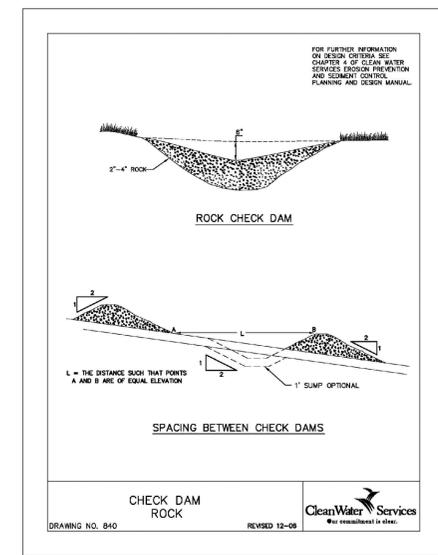
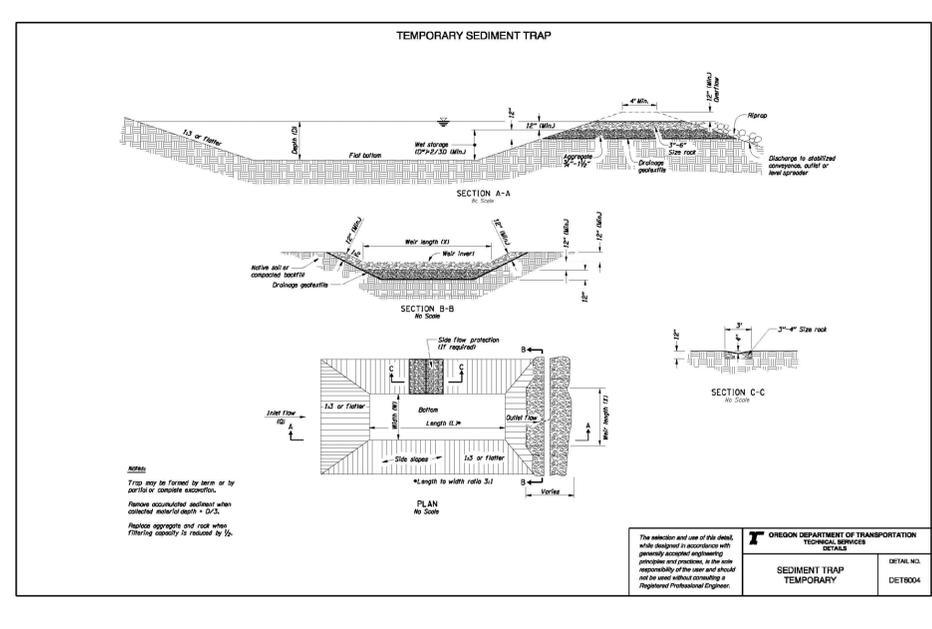
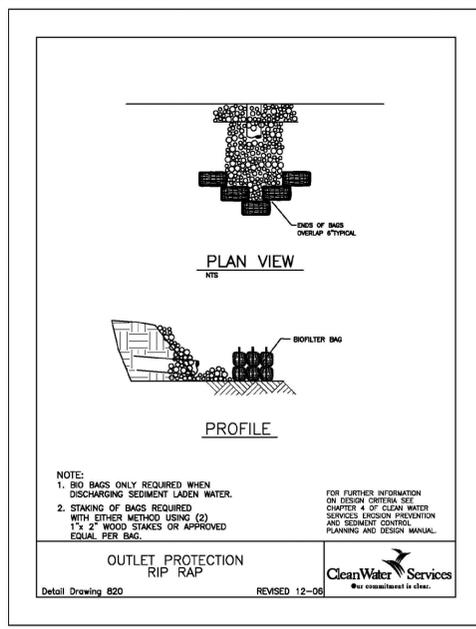
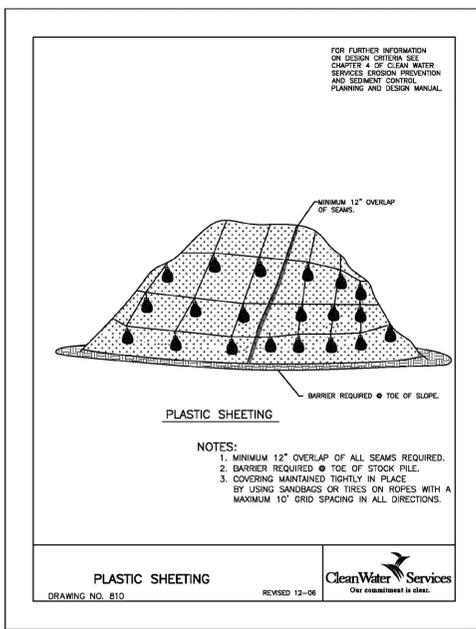
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DATE

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PROJECT	COLUMBIA PACIFIC BIO-REFINERY TRANSLOAD EXPANSION 81200 KALLUKKI ROAD CLATSkanie, OREGON
DATE	02/05/2015
DRAWN BY	BLR
CHECKED BY	ARG
DATE FILE	1012_CPBR_2015ESCP
PROJECT NAME	CPBR TRANSLOAD EXPANSION
PROJECT NO.	1012-001-01

EROSION AND SEDIMENT CONTROL PLAN

CONSTRUCTION BMP DETAILS

SoundEarth Strategies

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