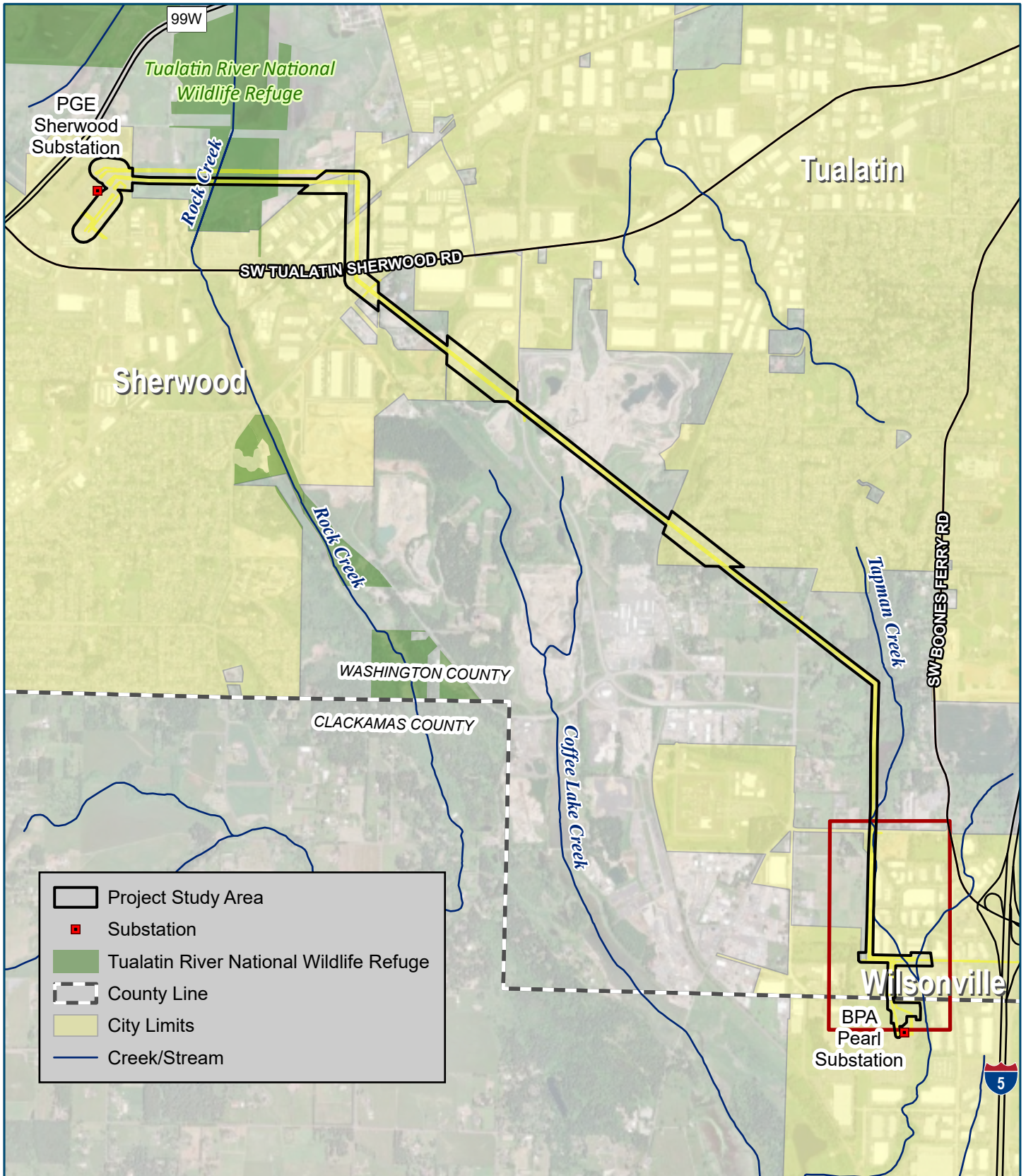






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Mile

Pearl-Sherwood 230 kV Transmission Line

Vicinity Map

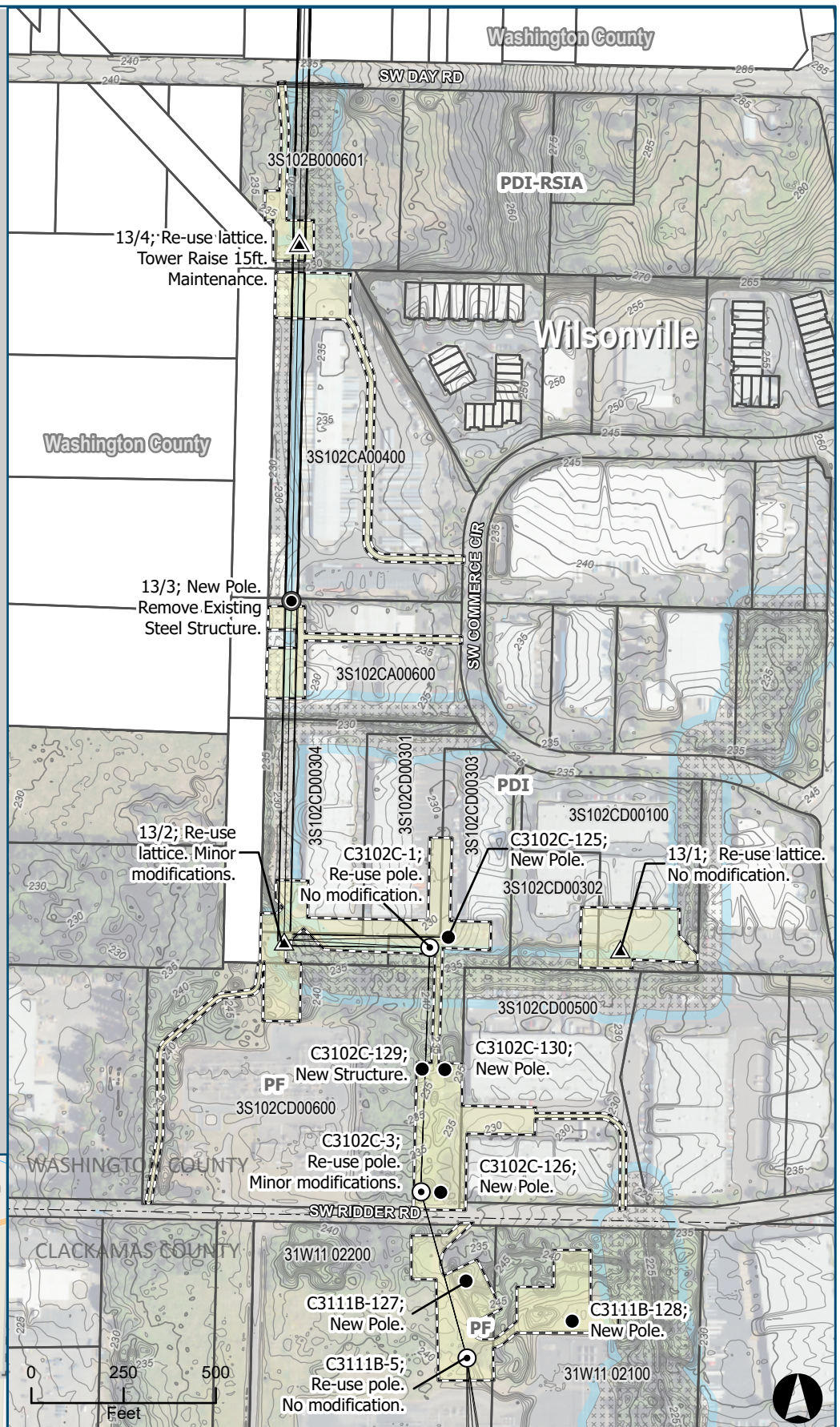
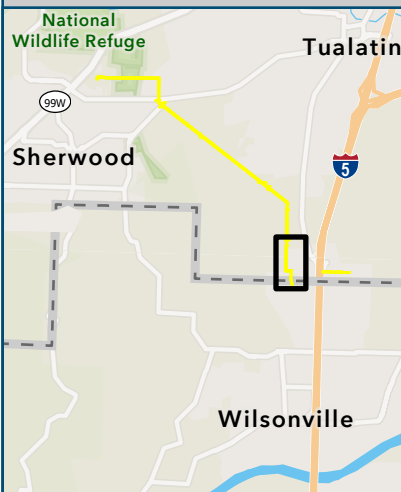


Legend

-  Study Area
-  Pearl-Sherwood 230kV Transmission Line
- Poles with Work Description**
 -  New Pole
 -  New Pole; Remove Existing Steel Structure
 -  Re-use Pole; No Modification
 -  Re-use Lattice; No Modification
 -  Re-use Lattice; Tower Raise 15-ft.; Maintenance
- Contours (vertical datum NAVD88)**
 -  5-foot intervals
 -  1-foot intervals
 -  City of Wilsonville Significant Resource Overlay Zone (SROZ)
 -  SROZ 25-ft Impact Area
 -  Zoning Boundary
 -  Tax Lot
 -  City Limits
 -  County Line

Code	Zone
PF	Public Facility
PDI	Planned Development Industrial
PDI-RSIA	Regionally Significant Industrial Area

Imagery: OSIP, 2022



Site Development Plan

8/6/2025

Pearl-Sherwood 230 kV Transmission Line

**DAVID EVANS
AND ASSOCIATES INC.**

2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

ESCP COVER SHEET

C001

PROJECT NO. PGEX00008108

GENERAL NOTES:

- 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 AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
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 REGISTRANT 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 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)
9. 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. (SECTIONS 2.1.3)
14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAM BANKS. (SECTIONS 2.1.1.1 AND 2.2.16)
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 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 2.2.21)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE 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)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING 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 SOILS 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)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW 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 DEPARTMENT 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 MOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

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PROJECT
PGE MURRAYHILL-SHERWOOD
EROSION & SEDIMENT CONTROL PLAN

SHEET TITLE
ESCP GENERAL NOTES -
CONTRACTORS



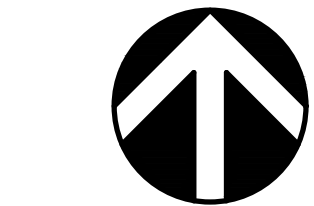
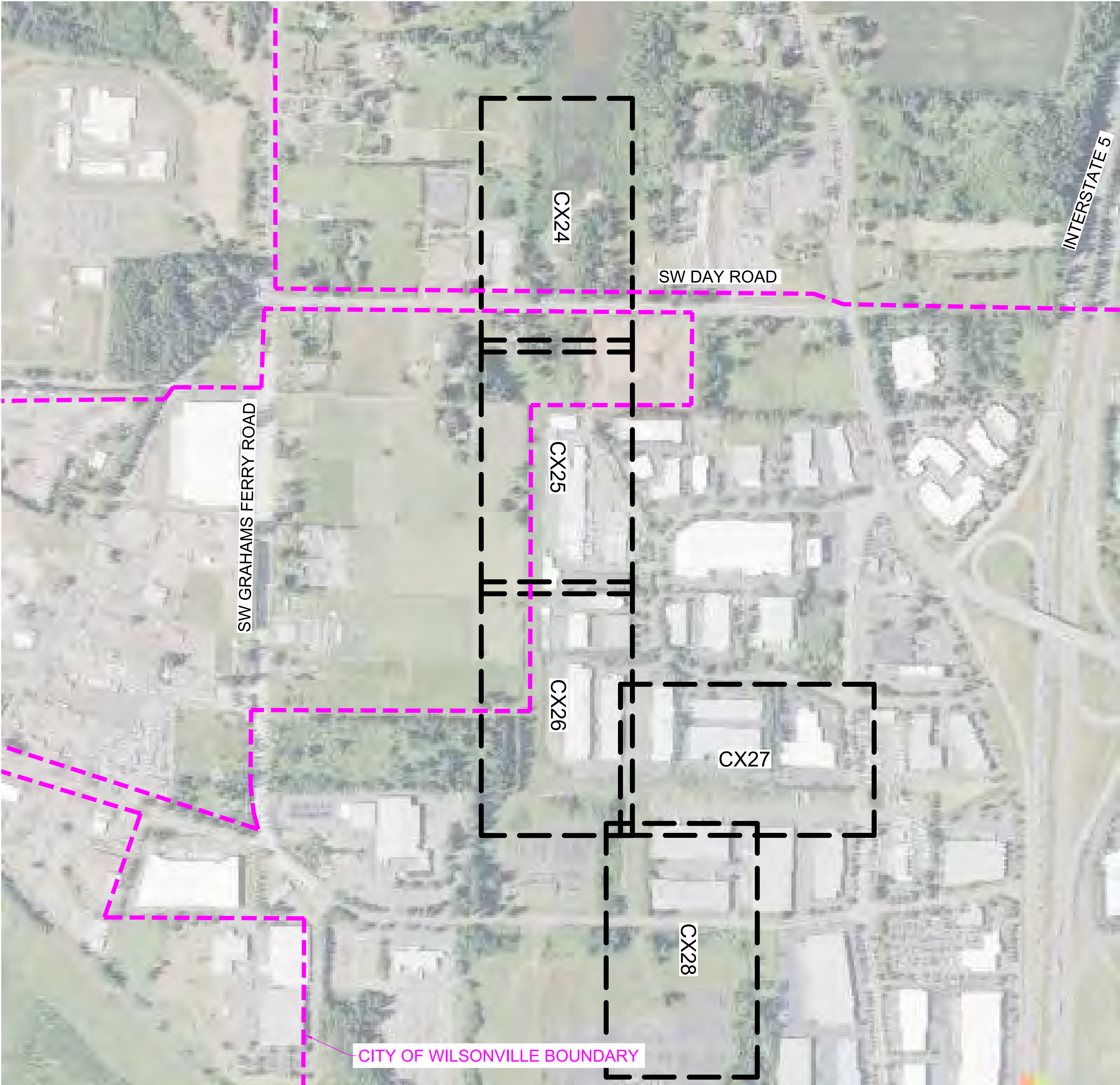
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PROJECT
**PGE MURRAYHILL-SHERWOOD
EROSION & SEDIMENT CONTROL PLAN**

SHEET TITLE
ESCP KEY PLAN

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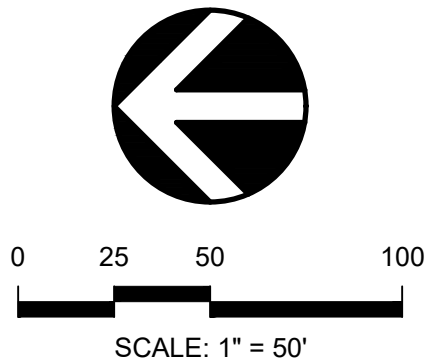
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 - TEMPORARY ACCESS PATH
 - UTILITY STRUCTURE REQUIRING MODIFICATIONS
 - TAX LOT LINE
 - RIGHT-OF-WAY CENTERLINE
 - EXISTING MINOR CONTOUR LINE
 - EXISTING MAJOR CONTOUR LINE
 - SROZ LINE
 - SROZ SETBACK LINE

GENERAL NOTES:

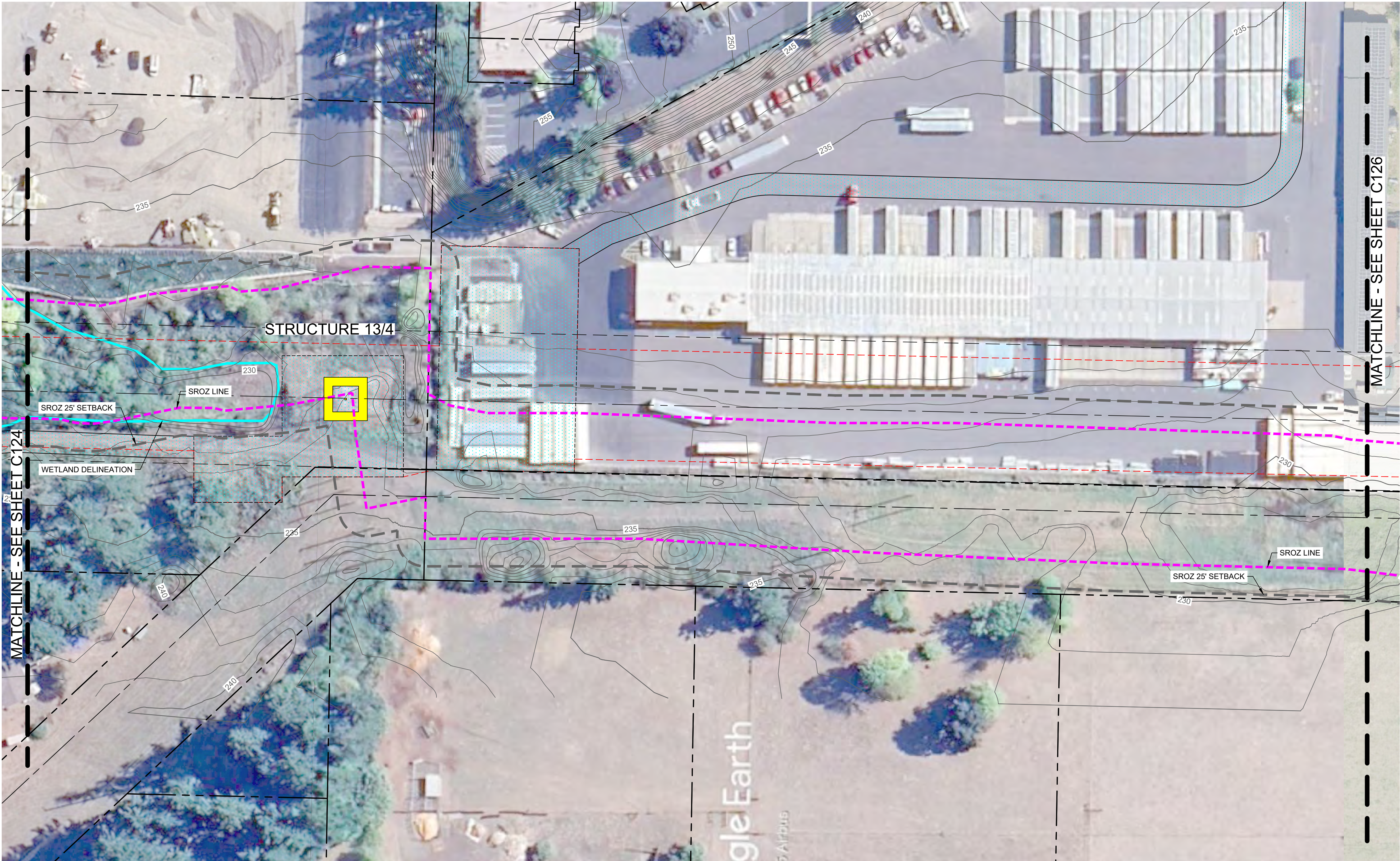
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- HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT CONSTRUCTION PERSONAL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.

PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

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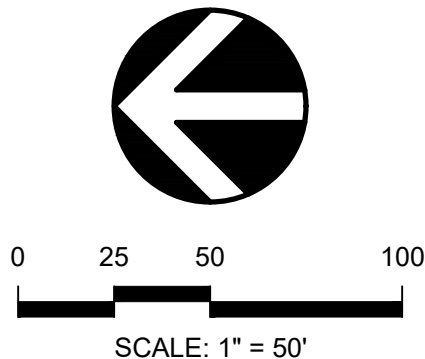
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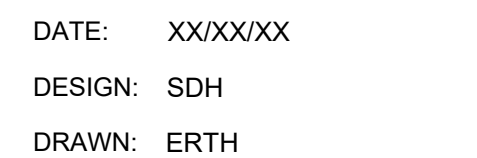
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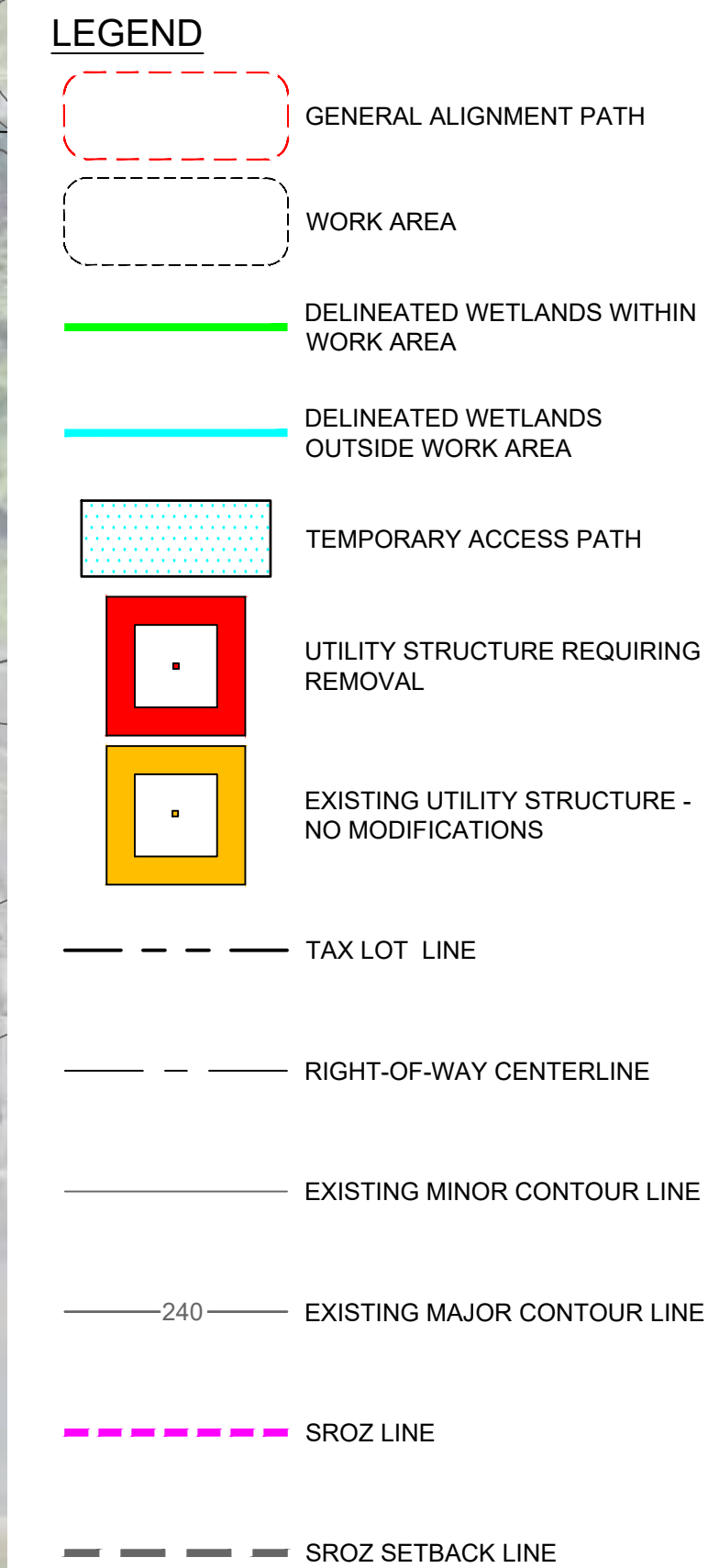
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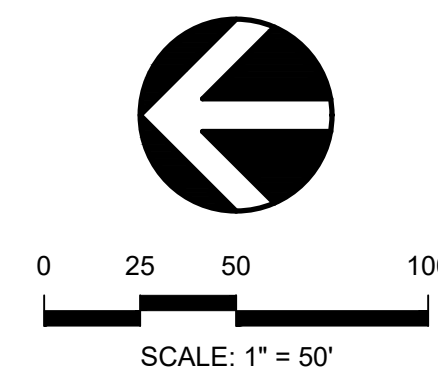
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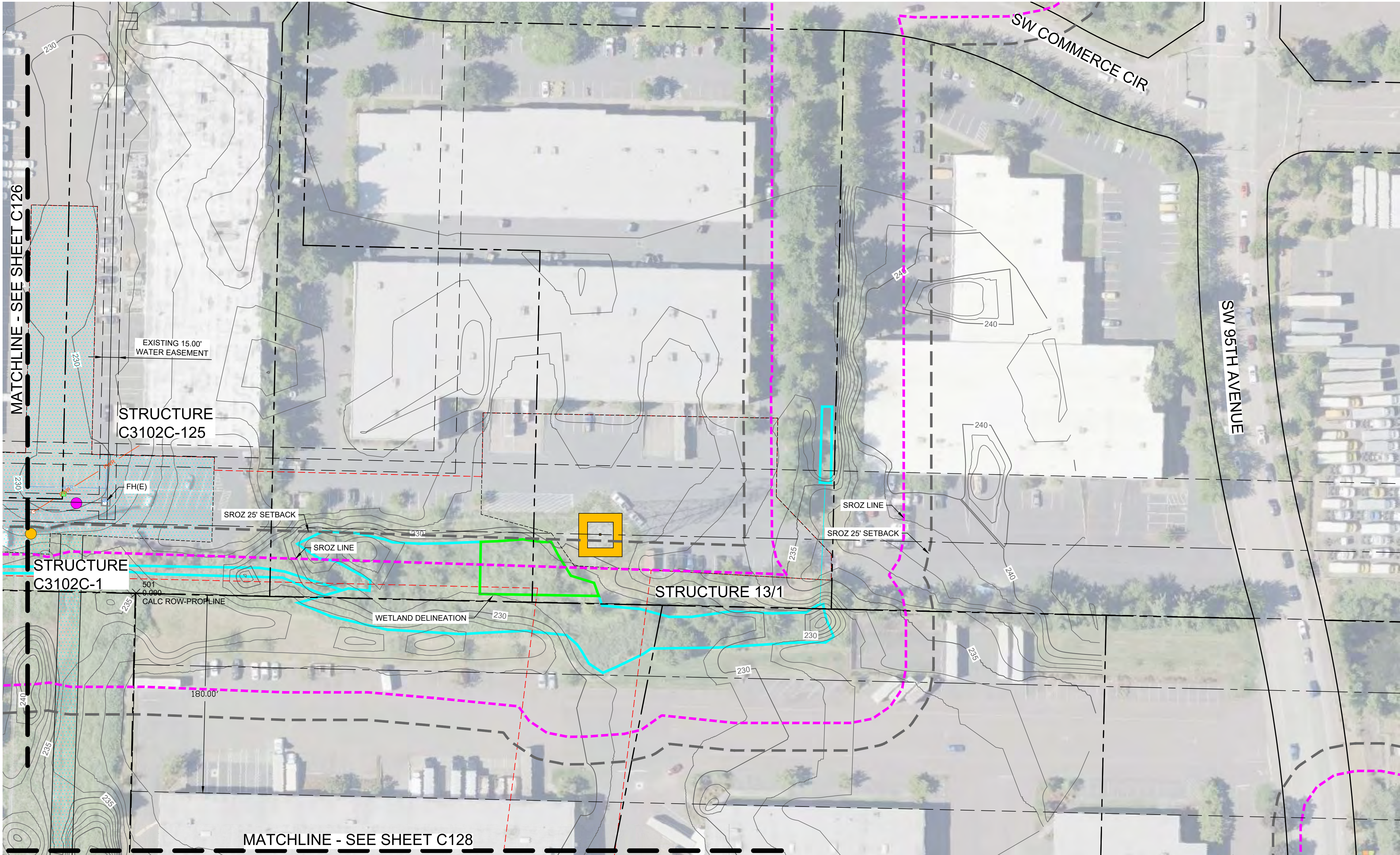
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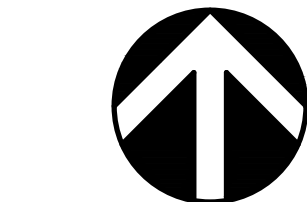
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 - NEW UTILITY POLE
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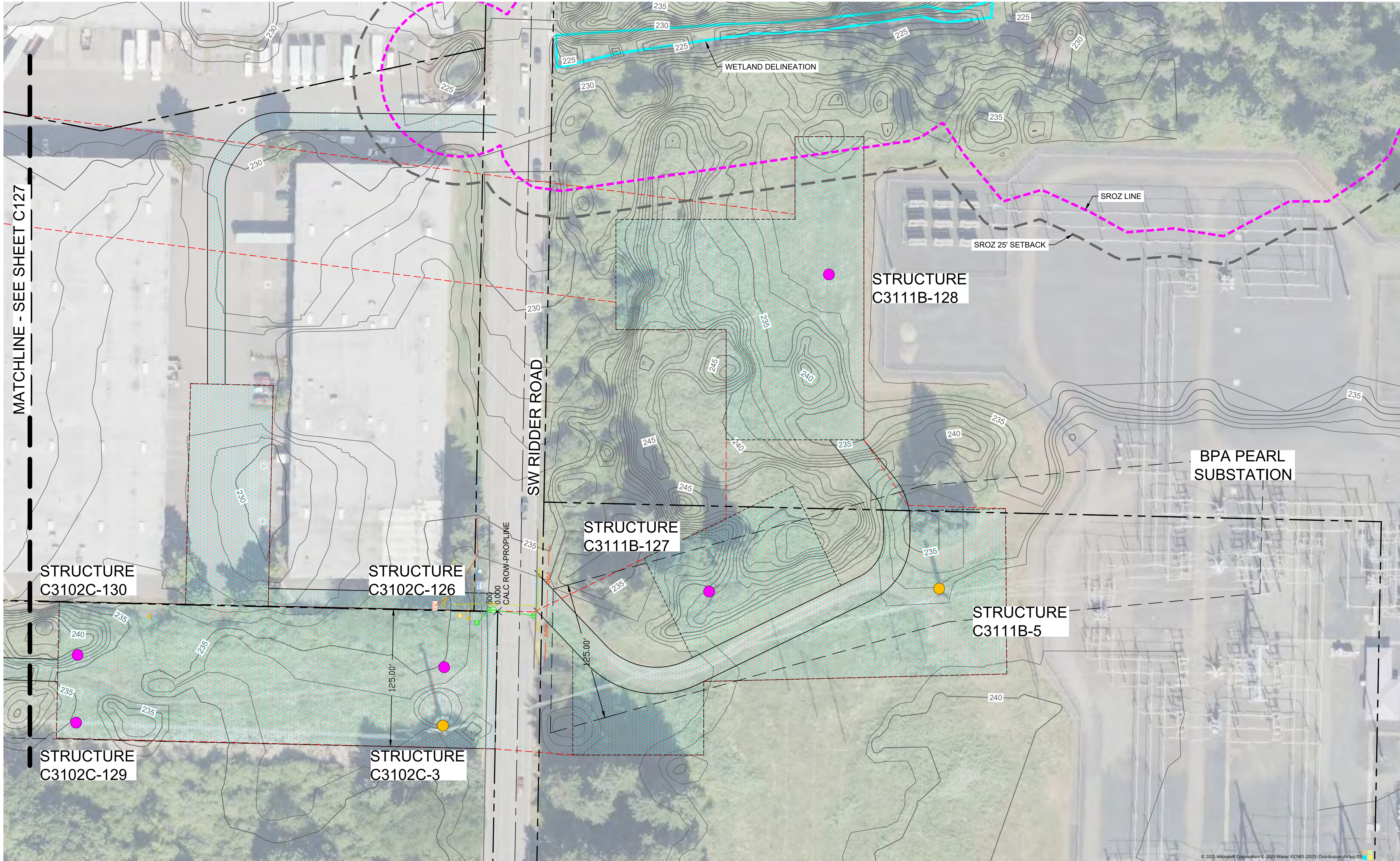
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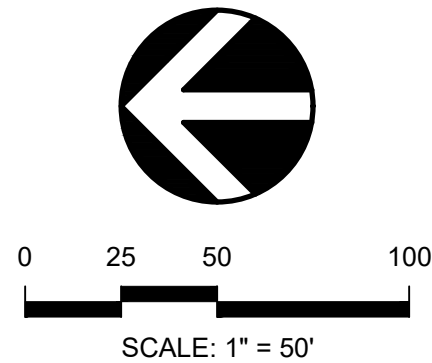


GENERAL NOTES:

1. COMPLY WITH ALL APPLICABLE PROVISIONS IN CHAPTER 6 OF THE DESIGN AND CONSTRUCTION STANDARDS (CURRENT); R&O 19-5 AS AMENDED BY R&O 19-22, ADOPTED NOVEMBER 12, 2019.
2. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP LIKE A FILTER BAG.
3. ALL EXPOSED SOILS MUST BE COVERED DURING WET WEATHER PERIOD, OCTOBER 1 - MAY 31.
4. HOLD A PRE-CONSTRUCTION MEETING WITH PROJECT CONSTRUCTION PERSONAL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.

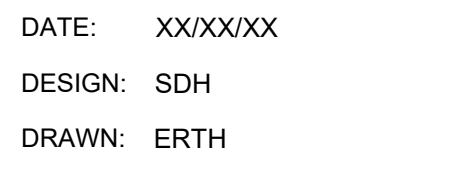
PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

1. SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS CONSTRUCTED OUT OF MULCH, CLIPPINGS, STRAW WATTLES OR OTHER APPROVED MATERIALS.
2. 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.
3. RUN-ON AND RUN-OFF 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.

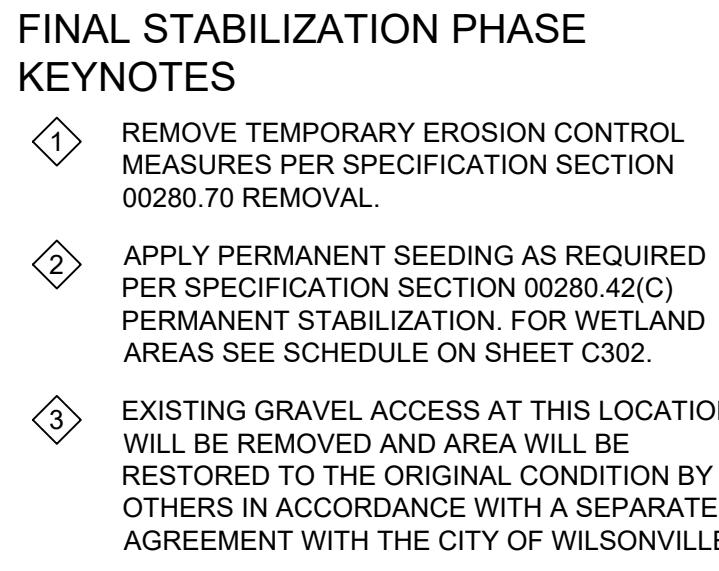




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PROJECT NO. PGEX00008096



0 25 50 100

SCALE: 1" = 50'



PROJECT
PGE PEARL-SHERWOOD
EROSION & SEDIMENT CONTROL PLAN

SHEET TITLE
VERTICAL CONSTRUCTION -
FINAL STABILIZATION PLAN 25

REGISTERED PROFESSIONAL
ENGINEER
19449PE
Steven Harrison
Oregon
SEPTEMBER 16, 1997
STEVEN D. HARRISON
EXPIRES 06/30/2027

PROJECT NO. PGEX00008096



1. IF VEGETATED SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES, SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX IN THOSE AREAS. SEEDING FOR TEMPORARY OR PERMANENT SEEDING OUTSIDE VEGETATED CORRIDORS SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - A. DWARF GRASS MIX (MIN. 100 LB./AC.)
 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
 2. CREEPING RED FESCUE (20% BY WEIGHT)
 - B. STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.)
 1. ANNUAL RYEGRASS (40% BY WEIGHT)
 2. TURF-TYPE FESCUE (60% BY WEIGHT)
2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.

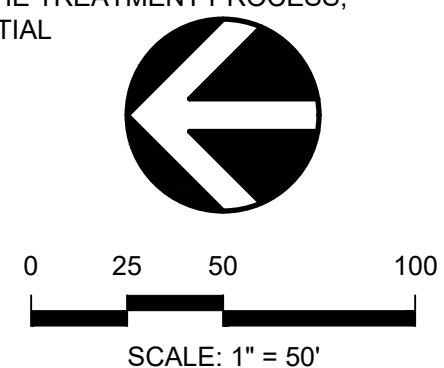
6. EXPOSED CUT OF FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL, BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. 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, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
10. COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACT COAT ETC. TO PREVENT PRODUCTS FROM ENTERING THE STORM SYSTEM.

1. ALL SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
2. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
3. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
4. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

A PHASED MASS GRADING AND RUNOFF CONTROL PLAN IS REQUIRED FOR PROJECTS WHERE CLEARING, DEWATERING, AND MASS GRADING ACTIVITIES ARE PROPOSED DURING THE WET WEATHER PERIOD, OCTOBER 1, THROUGH MAY 31. WORK IS ANTICIPATED TO BE COMPLETED PRIOR TO OCTOBER 1. IF WORK IS FORECAST TO EXTEND PAST OCTOBER 1, A RUNOFF CONTROL PLAN SHALL IDENTIFY BMPs FROM THE CLACKAMAS COUNTY WATER ENVIRONMENTAL SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, CHAPTER 4.2-RUNOFF CONTROL BEST MANAGEMENT PRACTICES, OR APPROVED ALTERNATIVES, AND BE SUBMITTED WITH, OR AS A REVISION TO, THIS EPSG PLAN. ALL BMPs SPECIFIED ON THE RUNOFF CONTROL PLAN SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO COMMENCEMENT OF MASS GRADING OR DEWATERING.

SEDIMENT BASINS ARE NOT APPLICABLE FOR THIS PROJECT.

1. TO THE EXTENT POSSIBLE, USE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. THE REGISTRANT IS PROHIBITED FROM USING WATER OF THE STATE AS PART OF THE TREATMENT AREA;
2. IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS;
3. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
4. USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICES (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
5. AT ALL PLACES WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16;
6. WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS;
7. REPLACE AND CLEAN THE FILTER MATERIAL IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS;
8. IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL;
9. ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER.





PROJECT
PGE PEARL-SHERWOOD
EROSION & SEDIMENT CONTROL PLAN

SHEET TITLE
VERTICAL CONSTRUCTION -
FINAL STABILIZATION PLAN 26



DATE: XX/XX/XX
DESIGN: SDH
DRAWN: EARTH

SHEET NO.

C226

PROJECT NO. PGEX00008096



1. IF VEGETATED SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES, SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX IN THOSE AREAS. SEEDS USED FOR TEMPORARY OR PERMANENT SEEDING OUTSIDE VEGETATED CORRIDORS SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
 - A. DWARF GRASS MIX (MIN. 100 LB./AC.)
 1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
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 - B. STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.)
 1. ANNUAL RYEGRASS (40% BY WEIGHT)
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2. SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.

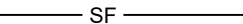
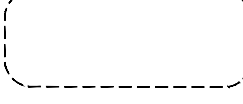
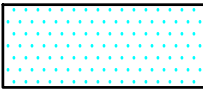
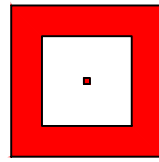
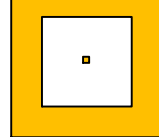
6. EXPOSED CUT OF FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. 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, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
10. COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACT COAT ETC. TO PREVENT PRODUCTS FROM ENTERING THE STORM SYSTEM.

1. ALL SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
2. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
3. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
4. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

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SEDIMENT BASINS ARE NOT APPLICABLE FOR THIS PROJECT.

1. TO THE EXTENT POSSIBLE, USE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. THE REGISTRANT IS PROHIBITED FROM USING WATER OF THE STATE AS PART OF THE TREATMENT AREA;
2. IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS;
3. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
4. USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICES (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
5. AT ALL PLANTS WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16.6 WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS;
7. REPLACE AND CLEAN THE FILTER MATERIAL IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS;
8. IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL;
9. ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER.

- # LEGEND
- | | |
|---|---|
|  | SEDIMENT FENCE |
|  | GENERAL ALIGNMENT PATH |
|  | WORK AREA |
|  | DIRECTION OF DRAINAGE |
|  | DELINEATED WETLANDS WITHIN WORK AREA |
|  | DELINEATED WETLANDS OUTSIDE WORK AREA |
|  | TEMPORARY ACCESS PATH |
|  | INLET PROTECTION |
|  | UTILITY STRUCTURE REQUIRING MODIFICATIONS |
|  | UTILITY STRUCTURE TO BE REMOVED |
|  | EXISTING UTILITY STRUCTURE - NO MODIFICATIONS |
|  | TAX LOT LINE |
|  | RIGHT-OF-WAY CENTERLINE |
|  | EXISTING MINOR CONTOUR LINE |
|  | EXISTING MAJOR CONTOUR LINE |
|  | SROZ LINE |
|  | SROZ SETBACK LINE |

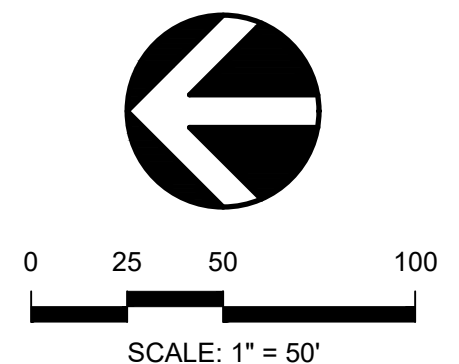
1 REMOVE EXISTING UTILITY STRUCTURE. NO GROUND DISTURBANCE. EXISTING LATTICE TOWER WILL BE DISCONNECTED FROM THE EXISTING CONCRETE FOOTINGS, AND MOVED INTO THE WORK AREA VIA CRANE FOR DISSASSEMBLY.

2 ORANGE COLORED SEDIMENT FENCE PER STANDARD DRAWING NO. 4-15. SEE SHEET C301 DETAIL 2. ALTERNATIVE BMP MEASURES (STRAW WATTLE, COMPOST BERM, ETC.) MAY BE ACCEPTABLE, UPON APPROVAL.

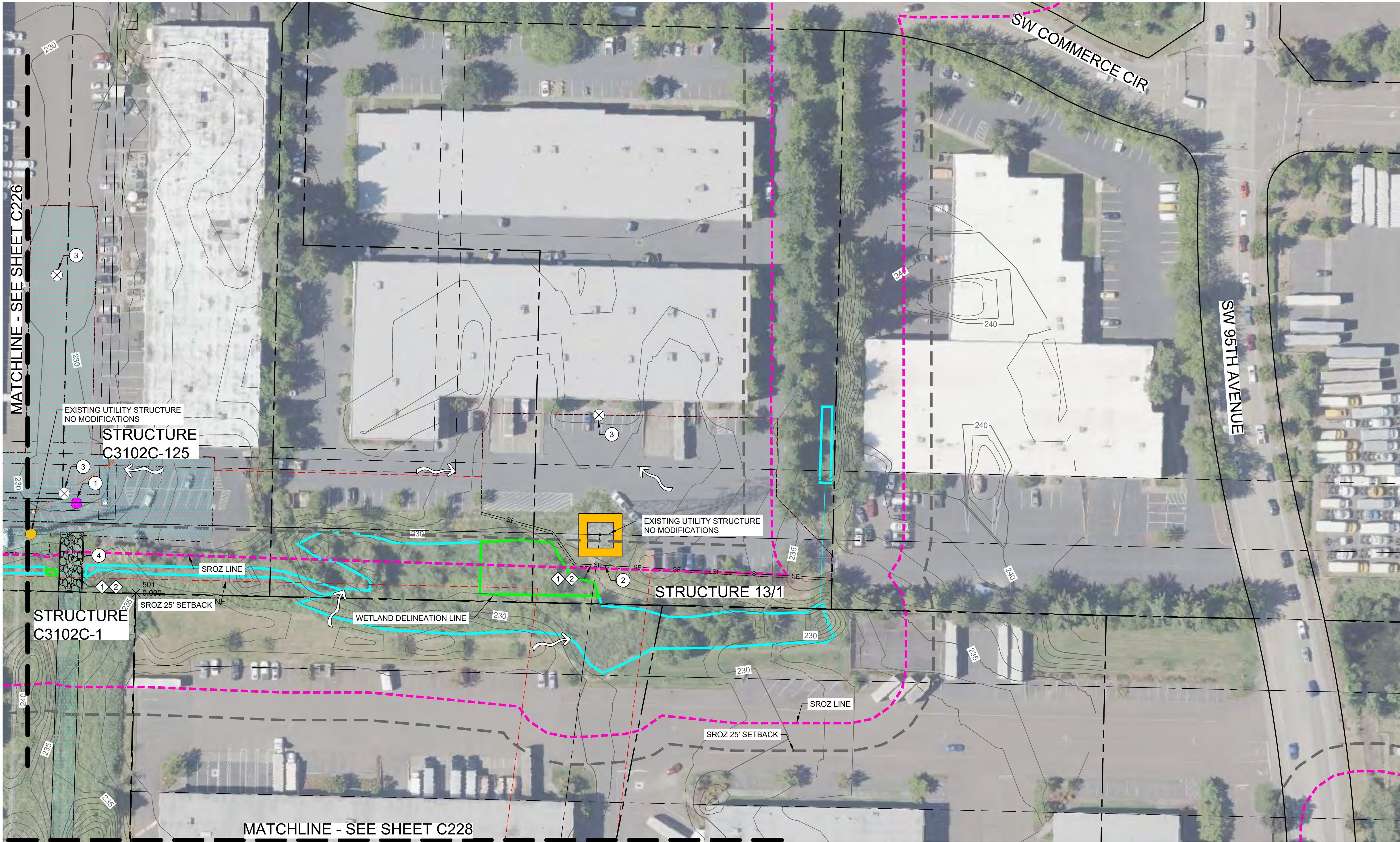
3 INLET PROTECTION PER STANDARD DRAWING NO. 4-23, SEE SHEET C301 DETAIL 3.

- ① NEW UTILITY STRUCTURE.
- ② INSTALL ORANGE COLORED SEDIMENT FENCE PER STANDARD DRAWING NO. 4-15. SEE SHEET C301 DETAIL 2. ALTERNATIVE BMP MEASURES (STRAW WATTLE, COMPOST BERM, ETC.) MAY BE ACCEPTABLE, UPON APPROVAL.
- ③ INSTALL INLET PROTECTION PER STANDARD DRAWING NO. 4-23. SEE SHEET C301 DETAIL 6.

1	REMOVE TEMPORARY EROSION CONTROL MEASURES PER SPECIFICATION SECTION 00280.70 REMOVAL.
2	APPLY PERMANENT SEEDING AS REQUIRED PER SPECIFICATION SECTION 00280.42(C) PERMANENT STABILIZATION. FOR WETLAND AREAS SEE SCHEDULE ON SHEET C302.



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GRADING, STREET AND UTILITY EROSION AND SEDIMENT CONSTRUCTION NOTES:

- IF VEGETATED SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX IN THOSE AREAS. SEED USED FOR TEMPORARY OR PERMANENT SEEDING OUTSIDE VEGETATED CORRIDORS SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
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- EXPOSED CUT OF FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- 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, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACT COAT ETC. TO PREVENT PRODUCTS FROM ENTERING THE STORM SYSTEM.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

- ALL SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
- LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
- THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
- INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

RUNOFF CONTROL NOTE:

A PHASED MASS GRADING AND RUNOFF CONTROL PLAN IS REQUIRED FOR PROJECTS WHERE CLEARING, DEWATERING, AND MASS GRADING ACTIVITIES ARE PROPOSED DURING THE WET WEATHER PERIOD, OCTOBER 1, THROUGH MAY 31. WORK IS ANTICIPATED TO BE COMPLETED PRIOR TO OCTOBER 1. IF WORK IS FORECAST TO EXTEND PAST OCTOBER 1, A RUNOFF CONTROL PLAN SHALL IDENTIFY BMPs FROM THE CLACKAMAS COUNTY WATER ENVIRONMENTAL SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, CHAPTER 4.2-RUNOFF CONTROL BEST MANAGEMENT PRACTICES, OR APPROVED ALTERNATIVES, AND BE SUBMITTED WITH, OR AS A REVISION TO, THIS EPSC PLAN. ALL BMPs SPECIFIED ON THE RUNOFF CONTROL PLAN SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO COMMENCEMENT OF MASS GRADING OR DEWATERING.

SEDIMENT BASIN SIZING:

SEDIMENT BASINS ARE NOT APPLICABLE FOR THIS PROJECT.

DEWATERING NOTE:

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- IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS;
- DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
- USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICES (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
- AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16;
- WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS;
- REPLACE AND CLEAN THE FILTER MATERIAL IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS;
- IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL;
- ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER.

LEGEND

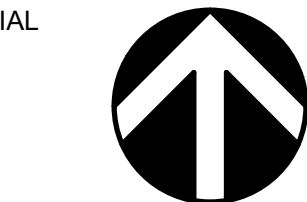
- SF SEDIMENT FENCE
- GRAVEL CONSTRUCTION ENTRANCE
- GENERAL ALIGNMENT PATH
- WORK AREA
- DIRECTION OF DRAINAGE
- DELINEATED WETLANDS WITHIN WORK AREA
- DELINEATED WETLANDS OUTSIDE WORK AREA
- TEMPORARY ACCESS PATH
- INLET PROTECTION
- NEW UTILITY POLE
- EXISTING UTILITY POLE - NO MODIFICATIONS
- EXISTING UTILITY STRUCTURE - NO MODIFICATIONS
- TAX LOT LINE
- RIGHT-OF-WAY CENTERLINE
- EXISTING MINOR CONTOUR LINE
- EXISTING MAJOR CONTOUR LINE
- SROZ LINE
- SROZ SETBACK LINE

UTILITY PHASE KEYNOTES

- NEW UTILITY STRUCTURE.
- INSTALL ORANGE COLORED SEDIMENT FENCE PER STANDARD DRAWING NO. 4-15. SEE SHEET C031 DETAIL 2. ALTERNATIVE BMP MEASURES (STRAW WATTLE, COMPOST BERM, ETC.) MAY BE ACCEPTABLE, UPON APPROVAL.
- INSTALL INLET PROTECTION PER STANDARD DRAWING NO. 4-23, SEE SHEET C301 DETAIL 6.
- INSTALL GRAVEL CONSTRUCTION ENTRANCE PER STANDARD DRAWING NO. 4-11. SEE SHEET C301 DETAIL 1.

FINAL STABILIZATION PHASE KEYNOTES

- REMOVE TEMPORARY EROSION CONTROL MEASURES PER SPECIFICATION SECTION 00280.70 REMOVAL.
- APPLY PERMANENT SEEDING AS REQUIRED PER SPECIFICATION SECTION 00280.42(C) PERMANENT STABILIZATION. FOR WETLAND AREAS SEE SCHEDULE ON SHEET C302.



0 25 50 100
SCALE: 1" = 50'

BY

REVISION

NO. DATE

DATE: XX/XX/XX

DESIGN: SDH

DRAWN: ERTH

SHEET NO.

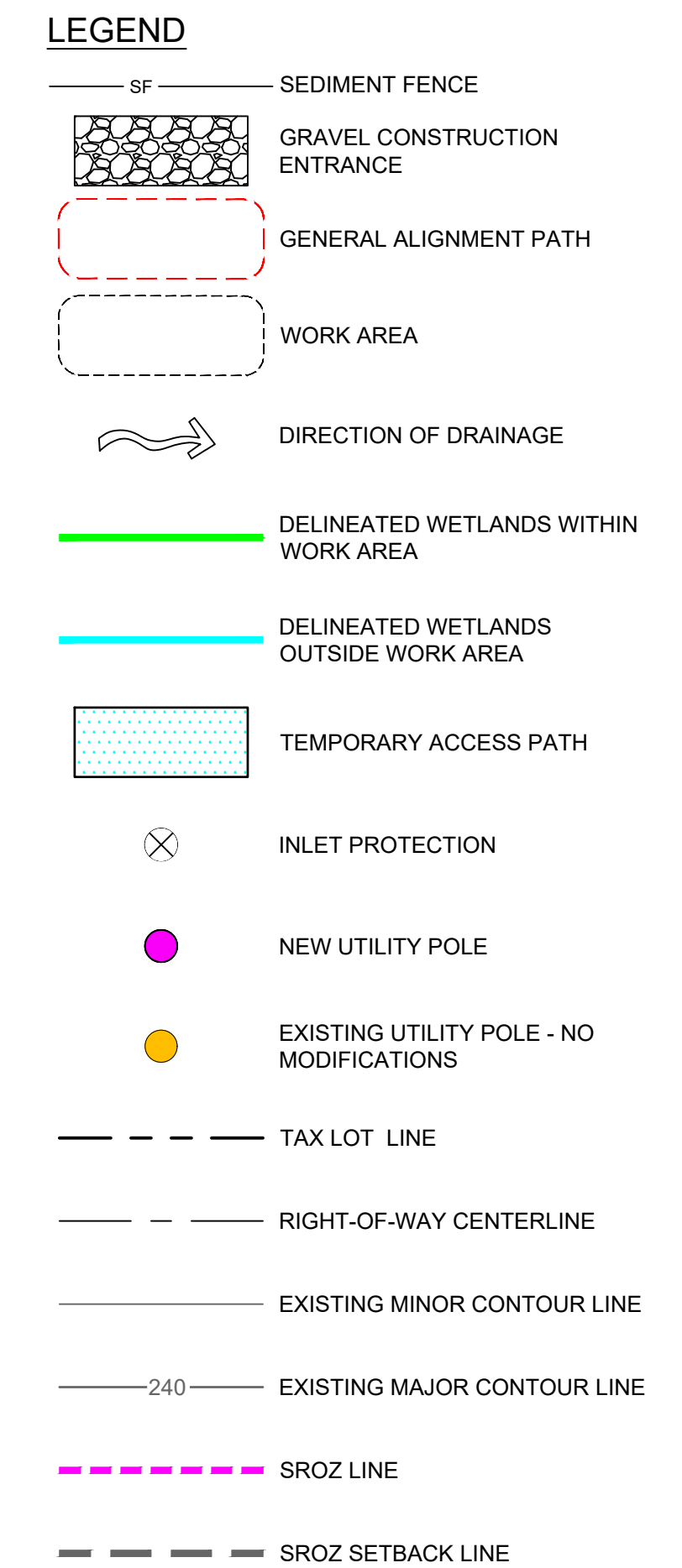
C227

PROJECT NO. PGEX00008096



PROJECT
PGE PEARL-SHERWOOD
EROSION & SEDIMENT CONTROL PLAN

SHEET TITLE
VERTICAL CONSTRUCTION -
FINAL STABILIZATION PLAN 28



1. NEW UTILITY STRUCTURE.
2. INSTALL ORANGE COLORED SEDIMENT FENCE PER STANDARD DRAWING NO. 4-15. SEE SHEET C301 DETAIL 2. ALTERNATIVE BMP MEASURES (STRAW WATTLE, COMPOST BERM, ETC.) MAY BE ACCEPTABLE, UPON APPROVAL.
3. INSTALL INLET PROTECTION PER STANDARD DRAWING NO. 4-23, SEE SHEET C301 DETAIL 6.
4. INSTALL GRAVEL CONSTRUCTION ENTRANCE PER STANDARD DRAWING NO. 4-11. SEE SHEET C301 DETAIL 1.

- 1 REMOVE TEMPORARY EROSION CONTROL MEASURES PER SPECIFICATION SECTION 00280.70 REMOVAL.
- 2 APPLY PERMANENT SEEDING AS REQUIRED PER SPECIFICATION SECTION 00280.42(C) PERMANENT STABILIZATION. FOR WETLAND AREAS SEE SCHEDULE ON SHEET C302.

1. IF VEGETATED SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES, SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX IN THOSE AREAS. SEEDS USED FOR TEMPORARY OR PERMANENT SEEDING OUTSIDE VEGETATED CORRIDORS SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED. FOR WETLAND SEED MIX SEE SCHEDULE ON SHEET C302:

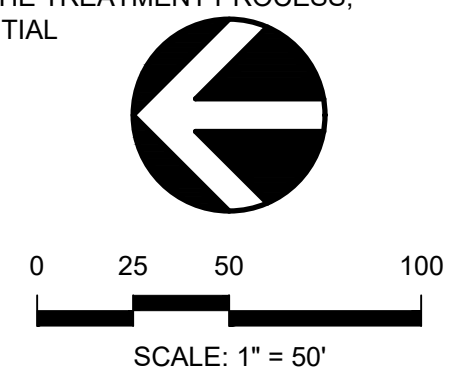
6. EXPOSED CUT OF FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. 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, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
10. COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACT COAT ETC. TO PREVENT PRODUCTS FROM ENTERING THE STORM SYSTEM.

1. ALL SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
2. LONG TERM SLOPE STABILIZATION MEASURES "INCLUDING MATTING" SHALL BE IN PLACE OVER ALL EXPOSED SOILS BY OCTOBER 1.
3. THE STORM WATER FACILITY SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING AND SITE PAVING.
4. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

A PHASED MASS GRADING AND RUNOFF CONTROL PLAN IS REQUIRED FOR PROJECTS WHERE CLEARING, DEWATERING, AND MASS GRADING ACTIVITIES ARE PROPOSED DURING THE WET WEATHER PERIOD, OCTOBER 1, THROUGH MAY 31. WORK IS ANTICIPATED TO BE COMPLETED PRIOR TO OCTOBER 1. IF WORK IS FORECAST TO EXTEND PAST OCTOBER 1, A RUNOFF CONTROL PLAN SHALL IDENTIFY BMPs FROM THE CLACKAMAS COUNTY WATER ENVIRONMENTAL SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, CHAPTER 4.2-RUNOFF CONTROL BEST MANAGEMENT PRACTICES, OR APPROVED ALTERNATIVES, AND BE SUBMITTED WITH, OR AS A REVISION TO, THIS EPSC PLAN. ALL BMPs SPECIFIED ON THE RUNOFF CONTROL PLAN SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO COMMENCEMENT OF MASS GRADING OR DEWATERING.

SEDIMENT BASINS ARE NOT APPLICABLE FOR THIS PROJECT.

1. TO THE EXTENT POSSIBLE, USE VEGETATED, UPLAND AREAS OF THE SITE TO INFILTRATE DEWATERING WATER BEFORE DISCHARGE. THE REGISTRANT IS PROHIBITED FROM USING WATER OF THE STATE AS PART OF THE TREATMENT AREA;
2. IMPLEMENT THE APPROPRIATE CONTROL MEASURES FOR DEWATERING DISCHARGES TO PREVENT THE DISCHARGE OF POLLUTANTS;
3. DO NOT DISCHARGE VISIBLE FLOATING SOLIDS OR FOAM;
4. USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICES (SUCH AS A CARTRIDGE FILTER) THAT IS DESIGNED TO REMOVE OIL, GREASE, OR OTHER PRODUCTS IF DEWATERING WATER IS FOUND TO CONTAIN THESE MATERIALS;
5. AT ALL POINTS WHERE DEWATERING WATER IS DISCHARGED, COMPLY WITH THE VELOCITY DISSIPATION REQUIREMENTS OF SECTION 2.2.16;
6. WITH BACKWASH WATER, EITHER HAUL IT AWAY FOR DISPOSAL OR RETURN IT TO THE BEGINNING OF THE TREATMENT PROCESS;
7. REPLACE AND CLEAN THE FILTER MATERIAL IN DEWATERING DEVICES WHEN THE PRESSURE DIFFERENTIAL EQUALS OR EXCEEDS THE MANUFACTURER'S SPECIFICATIONS;
8. IF THERE IS NO ALTERNATIVE OPTION, THE USE OF A SANITARY OR COMBINED SEWER DISCHARGE IS AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL;
9. ACTIVE TREATMENT SYSTEMS FOR TURBIDITY OR ANY OTHER POLLUTANTS MUST BE DESIGNED AND STAMPED BY AN OREGON REGISTERED PROFESSIONAL ENGINEER.



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SHEET NO.

C228

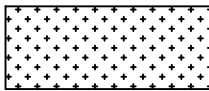
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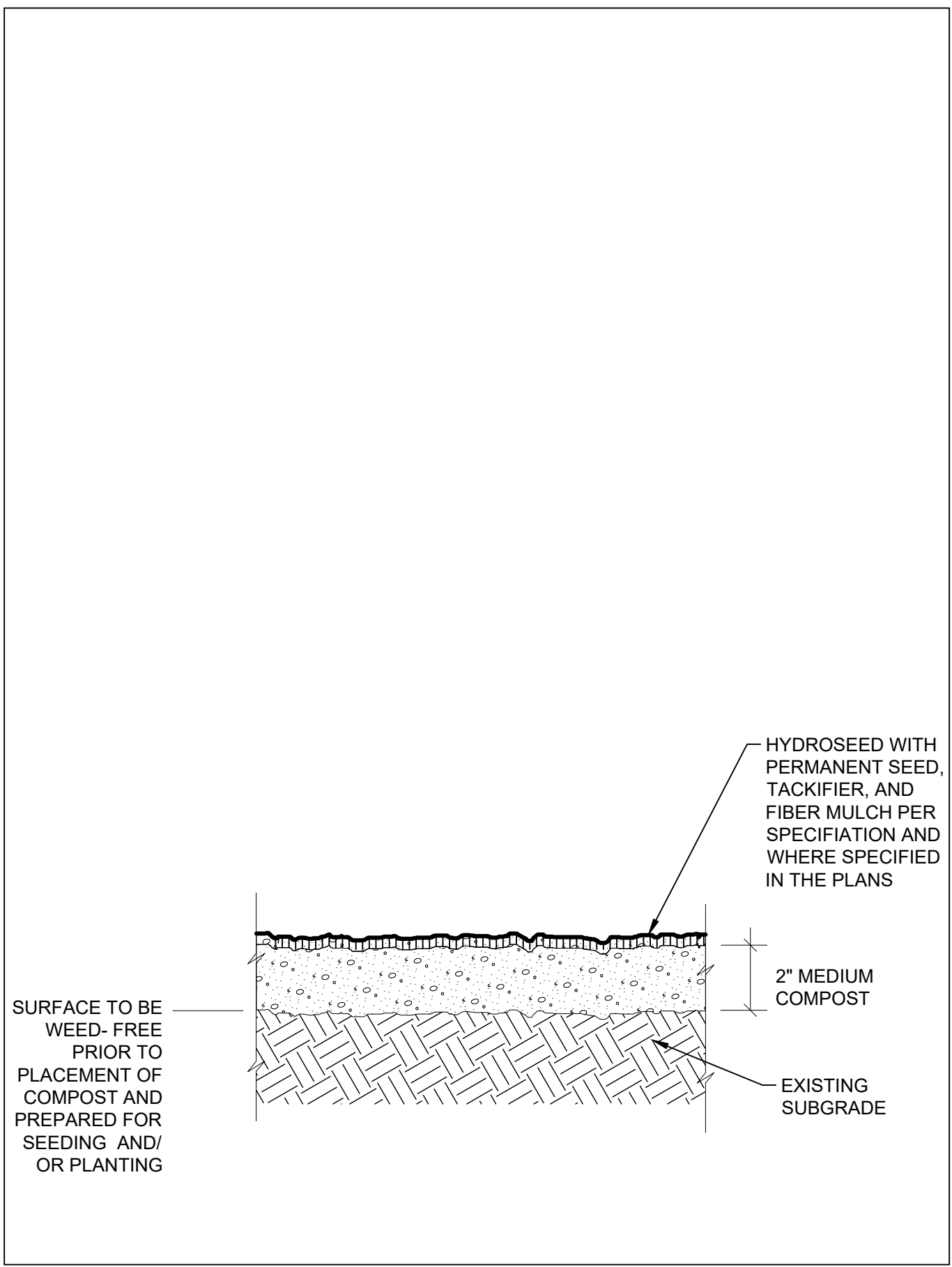
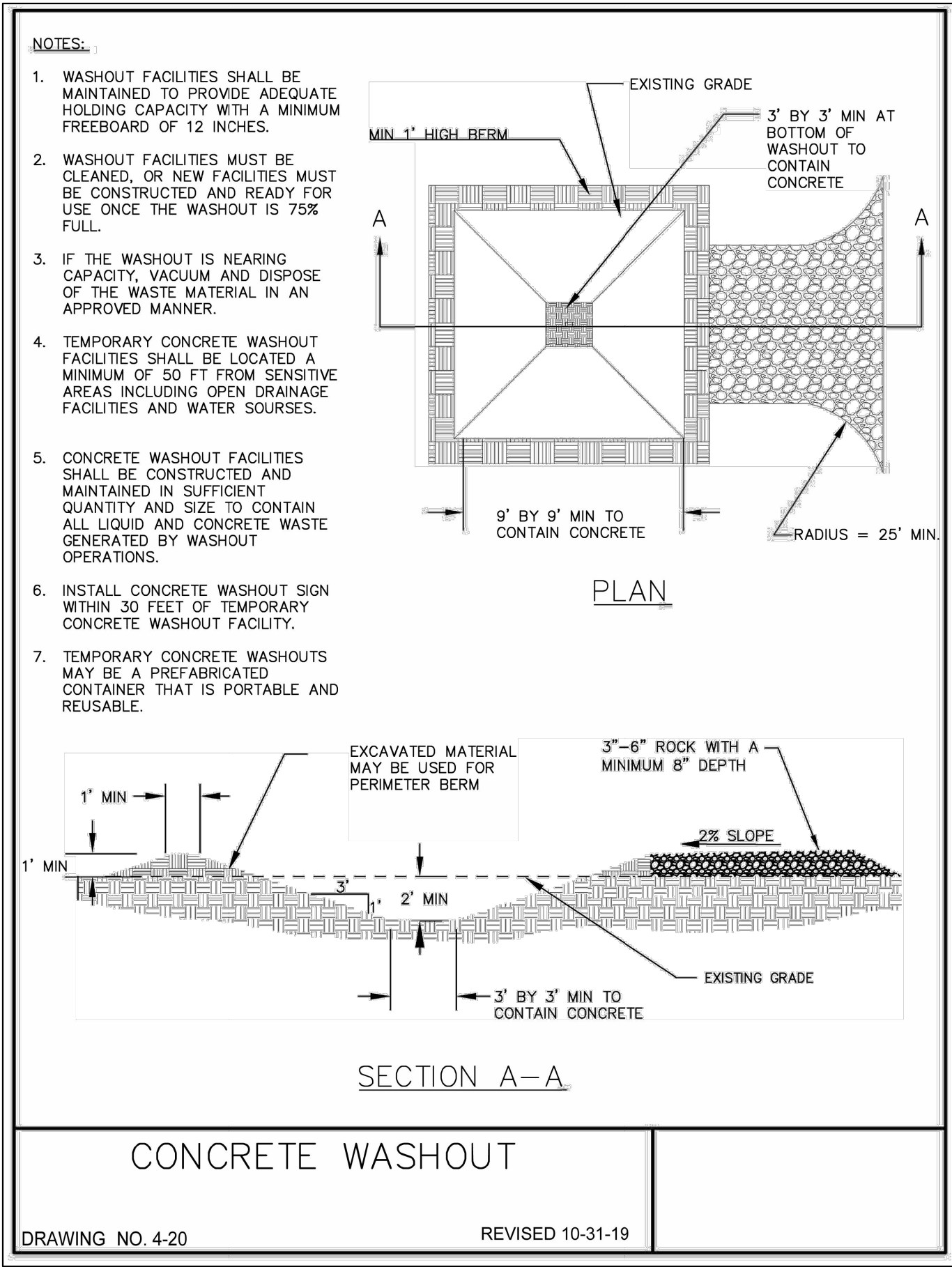
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By: Steve Harrison
By: SDH

1 NOT USED
SCALE: N.T.S.

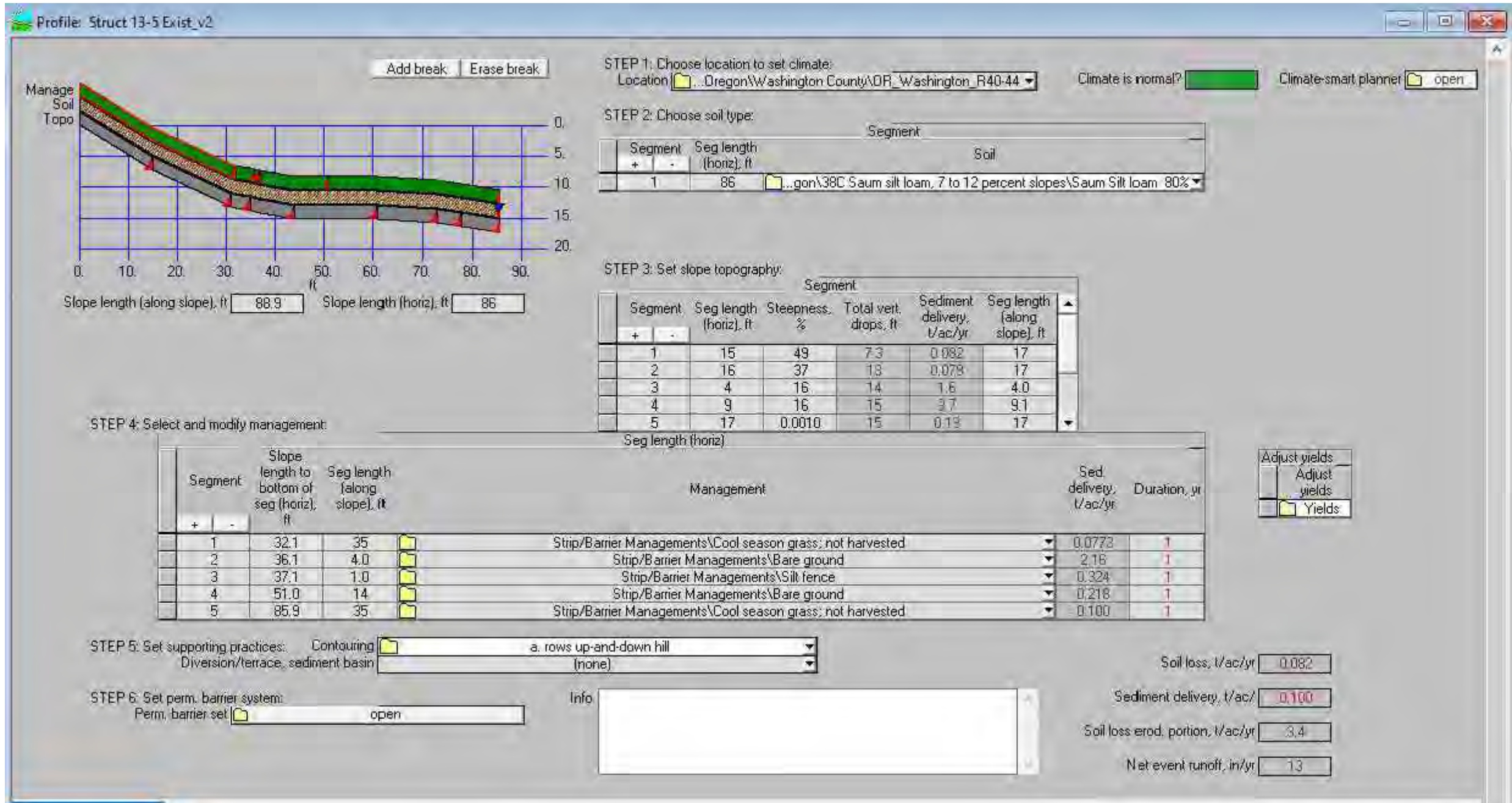
2 CONCRETE WASHOUT
SCALE: N.T.S.

2 TYPICAL SEEDING APPLICATION
SCALE: N.T.S.

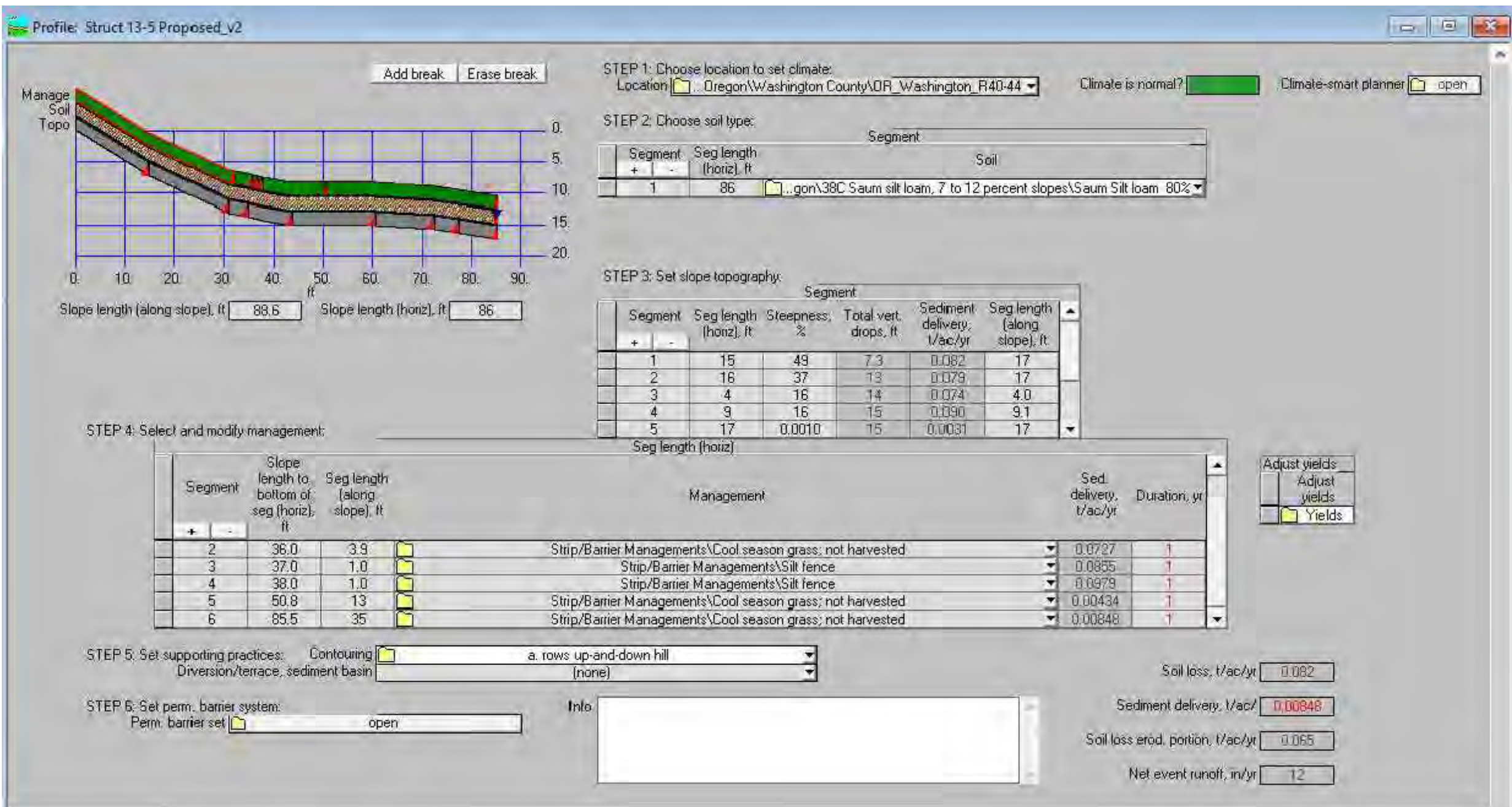
SEEDING SCHEDULE ALTERNATE NATIVE WETLAND EROSION CONTROL MIX IS ACCEPTABLE WITH PRIOR APPROVAL FROM THE PROJECT ENGINEER.				
SYMBOL	BOTANICAL NAME / COMMON NAME	APPLICATION RATE (PURE LIVE SEED)	QUANTITY	PLANT TYPE
	NATIVE WETLAND EROSION CONTROL SEED MIX		1.78 AC	NATIVE GRASSES, HERBACEOUS PLANTS
	HORDEUM BRACHYANTHERUM / MEADOW BARLEY GLYCERIA OCCIDENTALIS / NORTHWESTERN MANNAGRASS FESTUCA RUBRA RUBRA / NATIVE RED FESCUE ALOPECURUS GENICULATUS / WATER FOXTAIL ELEOCHARIS PALUSTRIS / COMMON SPIKERUSH BECKMANNIA SYZIGACHNE / AMERICAN SLOUGHGRASS DESCHAMPSIA CESPITOSA / TUFTED HAIRGRASS AGROSTIC EXARTA / SPIKE BENTGRASS	15.25 LBS. / AC. 7.72 LBS. / AC. 8.72 LBS. / AC. 5.67 LBS. / AC. 2.18 LBS. / AC. 1.74 LBS. / AC. 1.09 LBS. / AC. 0.22 LBS. / AC.		
		APPLICATION RATE LB/AC (PLS) 43.48		



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SHEET C224 (13/5) NATURAL
① AREA BASELINE PROFILE
SCALE: N.T.S.



SHEET C224 (13/5) NATURAL
② AREA ENCROACHMENT PROFILE
SCALE: N.T.S.