



ONSITE SANITATION City of Portland – Bureau of Development Services
 1900 SW 4th Avenue, Portland, Oregon 97201 – 503-823-7300 – septic@portlandoregon.gov
SEPTIC REVIEW CERTIFICATION

A signed Septic Review Certification from the City of Portland / Multnomah County Septic Sanitarian is required for proposed development, any change in use, and the creation of a new parcel or property line adjustment.

STEP 1- Complete the following:

Address of Proposed Work: 8344 SE Cottrell Road

Property Map & Tax Lot #: 1S 4E 22CD 300 Alternate Acct #: R R994220180

Description of proposed work for this Septic Planning Review

Completion of a stream restoration project on Johnson Creek. The project will remove an artificial earth-fill dam and impounded pond and establish a natural stream channel and additional riparian planting areas. No buildings or structures are proposed.

Change in number of bedrooms? ☐ Yes ☒ No # existing bedrooms N/A # bedrooms at completion N/A

Applicant's Name Portland Water Bureau - Robert Fraley

Applicant E-mail Robert.Fraley@portlandoregon.gov Phone 503-319-9207

STEP 2- Submit: This form with all required submittals listed on page 2. Separate properties require individual applications. Refer to the current [Septic Evaluation Application](#) for fees.

Submit complete Septic Review Certification submittal package via:

- E-mail septic@portlandoregon.gov. Information will be provided to make payment online. - OR -
- Mail completed submittal package and check payable to City of Portland to:

City of Portland, BDS, Site Development, 1900 SW 4th Ave., Portland, OR 97201

STEP 3- Review: After submittal and payment, allow up to 20 business days for plan review

STEP 4- Site Visit: Sanitarian will contact you with any questions and/or site visit requirements

STEP 5- Sign Off: Based on present knowledge of the area and current regulations of the State of Oregon Department of Environmental Quality (DEQ), the Sanitarian hereby finds that the above proposal is:

☒ Approved – will not impact the existing system. The following is **REQUIRED** prior to Building Permit issuance:

☐ Septic Installation Permit

☐ Authorization Notice

Conditions/Comments:

Proposed restoration project poses no concern to septic. Closest excavation is approximately 75ft from assumed drainfield area. No excavation to occur in staging area east of barn. While restoration project will not affect existing septic system, any repairs recommended by Environmental Management Systems noted in their ESER may require a septic permit (i.e. Minor Repair permit for replacement septic tank). Site visit was conducted on 3/6/26 to verify septic tank location.

Nicole Blais

Multnomah County Sanitarian

Digitally signed by Nicole Blais

Date: 2026.03.16 11:03:18 -07'00'

3/16/2026

Date

STEP 6- Return: to Multnomah County Land Use Planning with this signed form and site plan (floor plans if applicable)

25-10022-SE
Permit No.
Date 3/16/2026

Cottrell Pond Restoration

Legend

- Stream Alignment Centerline
- Stream Alignment Cross Section
- Major Contour Line
- Minor Contour Line
- Coniferous Tree
- Deciduous Tree
- Boulders
- Culvert
- Water Meter
- Control Points
- Water Main
- Fire Hydrant
- Electric (underground)
- Gas Line (wrapped steel)
- Edge of AC Pavement
- Edge of Gravel
- Right of Way Line
- Existing Fence
- Ditch
- Stairway
- Utility Pole
- Building
- Existing Footbridge
- Log Sill Type 1
- Log Sill Type 2
- Rock
- Exclusion Fence
- Fiber Roll Wattles

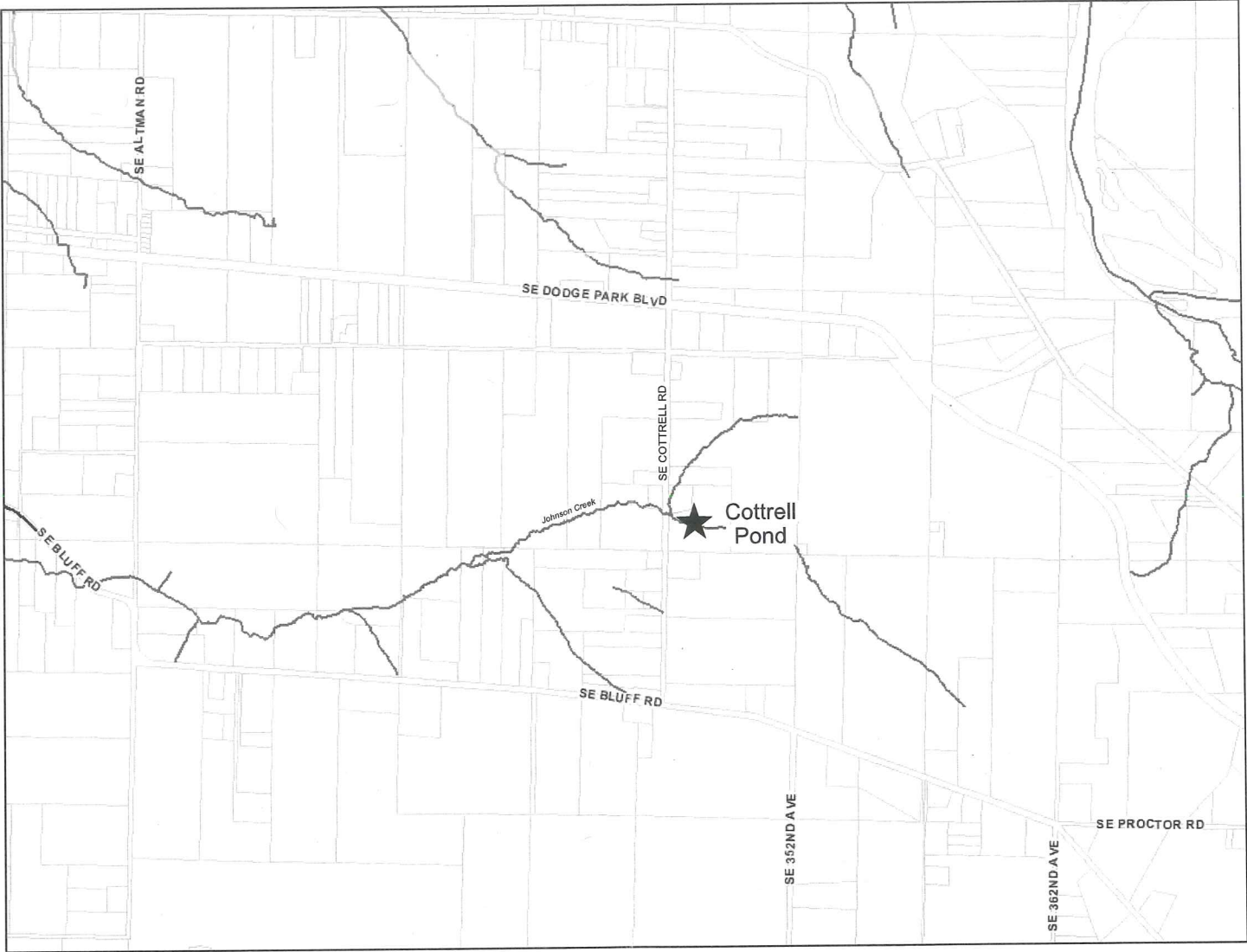
ABBREVIATIONS:

- AVE Avenue
- BLVD Boulevard
- CMP Corrugated Metal Pipe
- DIA Diameter
- ODEQ Oregon Department of Environmental Quality
- OHW Ordinary High Water
- P/L Property Line
- RD Road
- SE Southeast
- SEC Significant Environmental Concern

Sheet Index

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03	03	Proposed Conditions
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See Septic Review cert
form for comments
3/16/26
Wladimir



Location Map

NTS

CONSTRUCTION NOTES:

1. INSTALL TEMPORARY ORANGE PLASTIC MESH FENCE PER DETAIL 1 ON SHEET 11.
2. REMOVE EXISTING FENCE.
3. REMOVE EXISTING SHED.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL TYPE 3 FIBER ROLL WATTLES PER DETAIL 1 ON SHEET 13.
6. INSTALL SEDIMENT CONTROL BAG PER DETAIL 2 ON SHEET 13.
7. INSTALL TEMPORARY DIVERSION DAM.
8. INSTALL TEMPORARY DIVERSION PUMP AND PIPE.
9. INSTALL TOE ARMORING.
10. INSTALL CONSTRUCTED STREAM BED.
11. CONSTRUCT FLOW SPLIT.
12. CONSTRUCT POND OUTLET.
13. INSTALL LOG SILL TYPE 1.
14. INSTALL LOG SILL TYPE 2.

GENERAL NOTES:

1. UTILITIES AND SERVICE LATERALS AS SHOWN IN THE CONTRACT DOCUMENTS ARE AT APPROXIMATE LOCATIONS. VERIFY ALL LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
2. NOT ALL WATER OR GAS SERVICE LATERALS ARE SHOWN.
3. ALL WORK SHALL CONFORM TO THE 2020 EDITION OF CITY OF PORTLAND STANDARD CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE INDICATED BY CONTRACT DOCUMENTS.
4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING ALL TRAFFIC CONTROL PERMITS AND PROVIDING REQUIRED TRAFFIC CONTROL PER SPECIAL PROVISIONS 00220, 00221, 00222 AND 00223.
5. THE CONTRACTOR MUST COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, INCLUDING REQUIREMENTS SET FORTH IN THE PERMITS OBTAINED FOR THIS PROJECT. THE CONTRACTOR MUST MAINTAIN AN APPROVED SET OF CONTRACT DOCUMENTS ONSITE DURING CONSTRUCTION INCLUDING A COPY OF ALL PERMITS.
6. TREES SHALL BE PROTECTED OR CLEARED AND SALVAGED FOR REUSE ONSITE AS SPECIFIED IN THE TREE MANAGEMENT PLAN. CONTRACTOR TO VARY ORIENTATION OF LARGE WOOD PLACEMENT AS DIRECTED BY PROJECT ENGINEER.
7. ALL EQUIPMENT, MATERIALS, AND PERSONNEL SHALL REMAIN WITHIN THE DESIGNATED WORK LIMITS. ALL DISTURBED AREAS OUTSIDE THE PROJECT BOUNDARY SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER.
8. CONSTRUCTION WORK AFFECTING AREAS BELOW ORDINARY HIGH WATER MUST BE CONDUCTED DURING THE APPROVED IN-WATER WORK WINDOW FOR JOHNSON CREEK (JULY 15 - AUGUST 31).
9. EROSION AND SEDIMENT CONTROL IS REQUIRED FOR THIS PROJECT. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE PLANS REPRESENT A POSSIBLE COURSE OF ACTION AND SHALL BE MODIFIED BY THE CONTRACTOR TO MEET PERMIT REQUIREMENTS PER SITE CONDITIONS. THE CONTRACTOR MUST SUBMIT AND IMPLEMENT AN APPROVED EROSION AND SEDIMENT CONTROL PLAN (ESCP) PER SPECIAL PROVISION 00280 AND ODEQ EROSION CONTROL NOTES ON SHEET CE01.
10. EXPOSED SOILS SHALL BE DECOMPACTED AND AMENDED ACCORDING TO SPECIAL PROVISION 01040 AND WILL BE SEEDED ACCORDING TO SPECIAL PROVISION 01030. SITE REVEGETATION TO BE COMPLETED BY OWNER.
11. NATIVE SEED MIX TO BE PROVIDED BY OWNER.
12. SURVEY CONTROL AND PROJECT CONDITIONS SHOWN IN MODIFIED STATE PLANE NORTH NAD83 AND CITY OF PORTLAND VERTICAL DATUM."



Township/Range
Street Opening Permit Number and Date
Synergen Work Order Number
Locate Call In Reference Number

Designed By	Program Mgr
CAD Checked By	Const Mgr
Checked By	Const Supvr
Project Mgr	Date



Preliminary
Kenneth M. Ackerman, Chief Engineer, PE No 9424
Kenneth M. Ackerman, Principal Engineer, PE No 19424



Cottrell Pond Restoration
MULTNOMAH COUNTY PERMIT PLANS

Cover Sheet

SAP Project No
W02229

1/4 Section

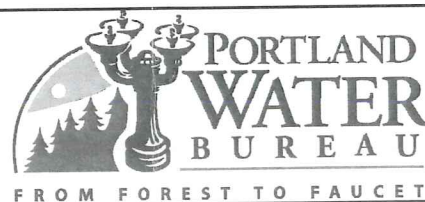
Sheet No

1 of 13



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Cottrell Pond Restoration

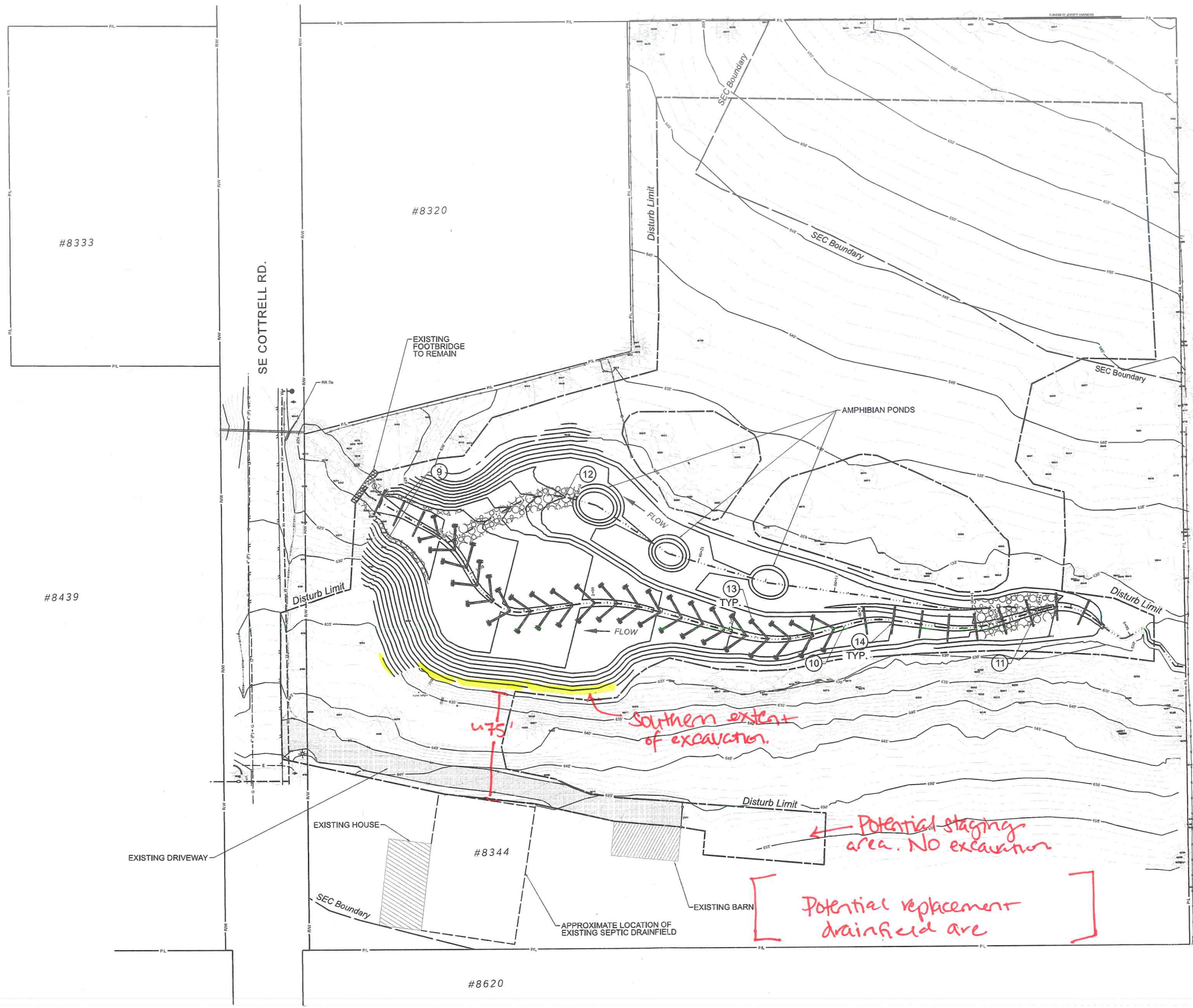
Existing Conditions

SAP Project No
W02229

1/4 Section

Sheet No

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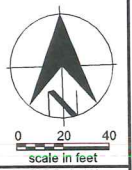
CONSTRUCTION NOTES:

- 9. INSTALL TOE ARMORING.
- 10. INSTALL CONSTRUCTED STREAM BED.
- 11. CONSTRUCT FLOW SPLIT.
- 12. CONSTRUCT POND OUTLET.
- 13. INSTALL LOG SILL TYPE 1.
- 14. INSTALL LOG SILL TYPE 2.

SHEET NOTE:

CONTRACTOR TO APPLY OWNER-SUPPLIED NATIVE SEED MIX TO ALL DISTURBED AREAS VIA HYDROSEEDING OR HAND.

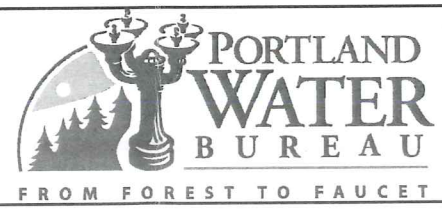
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Cottrell Pond Restoration

Proposed Conditions

SAP Project No	W02229
1/4 Section	
Sheet No	3 of 13

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CONSTRUCTION NOTES:

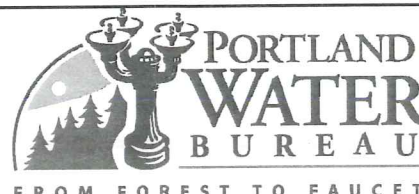
1. INSTALL TEMPORARY ORANGE PLASTIC EXCLUSION FENCE PER DETAIL 1 ON SHEET 11.

X REMOVE TREE



Scale in feet
0 20 40

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Checked By	Const Supvr
Project Mgr	Date



Preliminary

Kenneth M. Ackerman, Principal Engineer, PE No 19424



Cottrell Pond Restoration

Tree Management

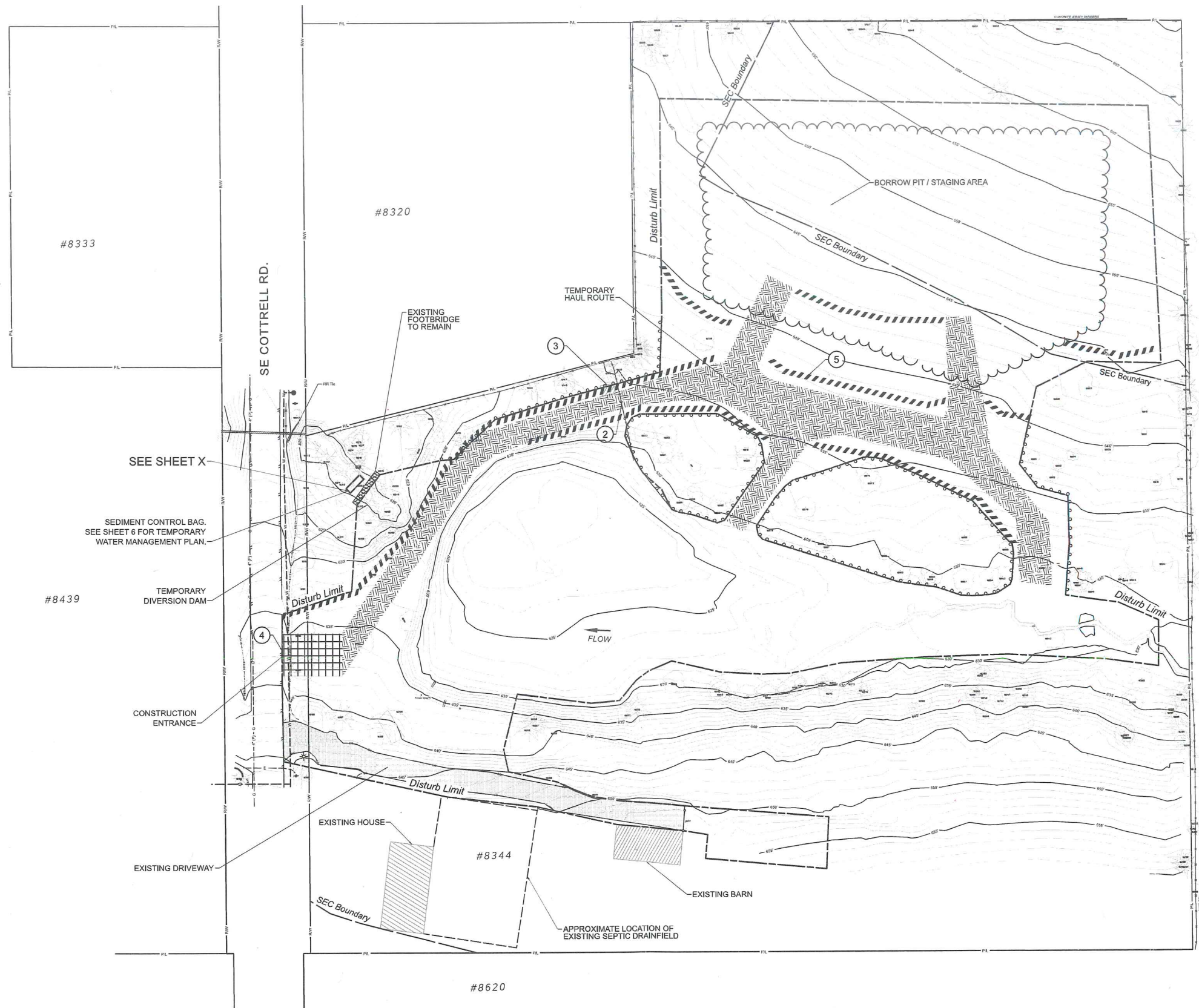
SAP Project No
W02229

1/4 Section

Sheet No

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Price \$115



CONSTRUCTION NOTES:

2. REMOVE EXISTING FENCE.
3. REMOVE EXISTING SHED.
4. INSTALL CONSTRUCTION ENTRANCE.
5. INSTALL TYPE 3 FIBER ROLL WATTLES PER DETAIL 1 ON SHEET 13.

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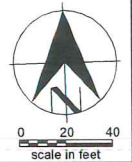


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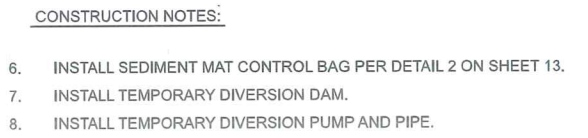
Cottrell Pond Restoration

Construction Management and Erosion Control



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Temporary Water Management

4 Section

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Cottrell Pond Restoration

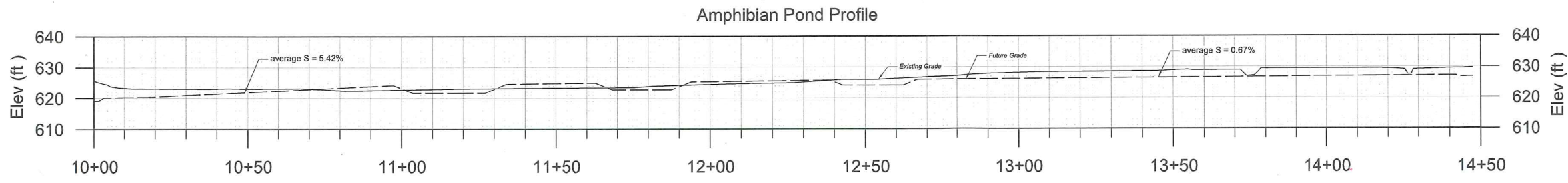
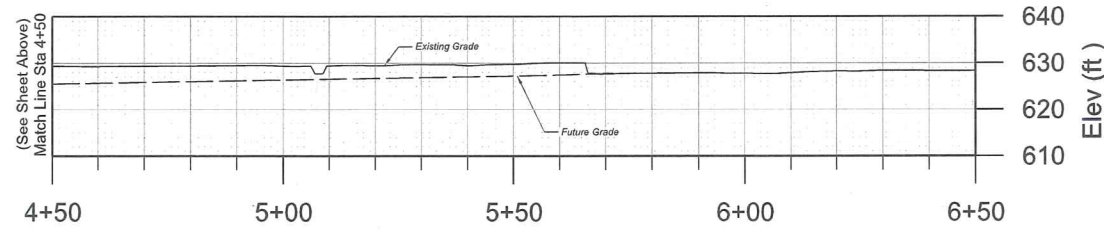
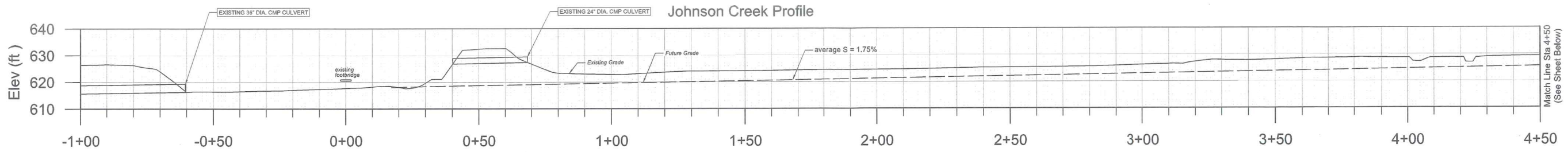
Grading Plan

SAP Project No
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4 Section

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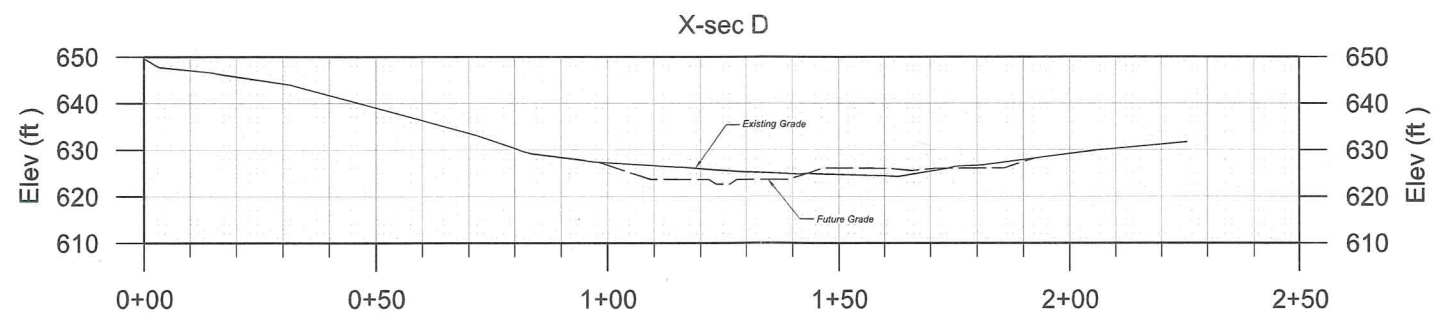
Kenneth M. Ackerman, Principal Engineer, PE No 19424



Cottrell Pond Restoration

Profiles

scale in feet
0 10 20
SAP Project No
W02229
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Cottrell Pond Restoration

Cross-Sections

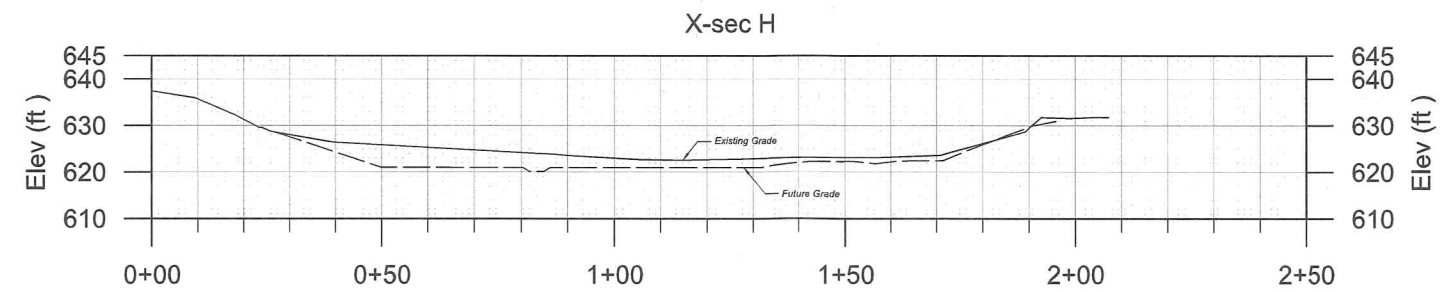
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SAP Project No
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Sheet No

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Checked By	Const Supvr
Project Mgr	Date



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Cottrell Pond Restoration

Cross-Sections

0 10 20
scale in feet
SAP Project No
W02229
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ODEQ STANDARD ESCP 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. (SCHEDULE A.8.C.I.(3))

2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SCHEDULE A.12.B AND SCHEDULE B.1)

3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SCHEDULE B.1.C AND B.2)

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. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, THE ABOVE RECORDS MUST BE RETAINED BY THE PERMIT REGISTRANT BUT DO NOT NEED TO BE AT THE CONSTRUCTION SITE. (SCHEDULE B.2A.C)

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. (SCHEDULE A.8.A)

6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SCHEDULE A.12.C.I)

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. (SCHEDULE A.12.C.IV. AND V)

8. PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SCHEDULE A.7.A.III)

9. 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. (SCHEDULE A.8.C.I.(1) AND (2))

10. 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. (SCHEDULE A.7.A.V)

11. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SCHEDULE A.7.B.I.AND (2(A)(B))

12. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SCHEDULE A.8.C.I.(5))

13. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SCHEDULE A.7.C)

14. 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. (SCHEDULE A.7.D.I)

15. 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.(SCHEDULE A.8.C.II.(3))

16. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.I.(7))

17. 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. (SCHEDULE A.7.D.II AND A.8.C.I.(4))

18. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.II.(5))

19. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SCHEDULE A.6)

20. 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. (SCHEDULE A.7.E.I.(2))
21. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A.7.A.IV)

22. 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. (SCHEDULE A.9.B.III)

23. 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 PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)

24. 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. (SCHEDULE A.7.B)

25. 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. (SCHEDULE A.7.E.II.(2))

26. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND ACTIVITIES DURING WET WEATHER. (SCHEDULE A.7.A.I)

27. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.I)

28. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS); REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.I)

29. 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. (SCHEDULE A.9.C.III & IV)

30. 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. (SCHEDULE A.9.B.I)

31. 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. (SCHEDULE A.9.B.II)

32. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE A.7.F.I)

33. 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. (SCHEDULE A.7.F.II)

34. 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 DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. (SCHEDULE A.8.C.III(1) AND D.3.C.II AND III)

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. (SCHEDULE A.7.E.III.)

No	Date	Description	Appd	
Revision				
Survey	Mon / Yr	XXXX		

Designed By	Program Mgr
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Preliminary

Kenneth M. Ackerman, Principal Engineer, PE No 19424

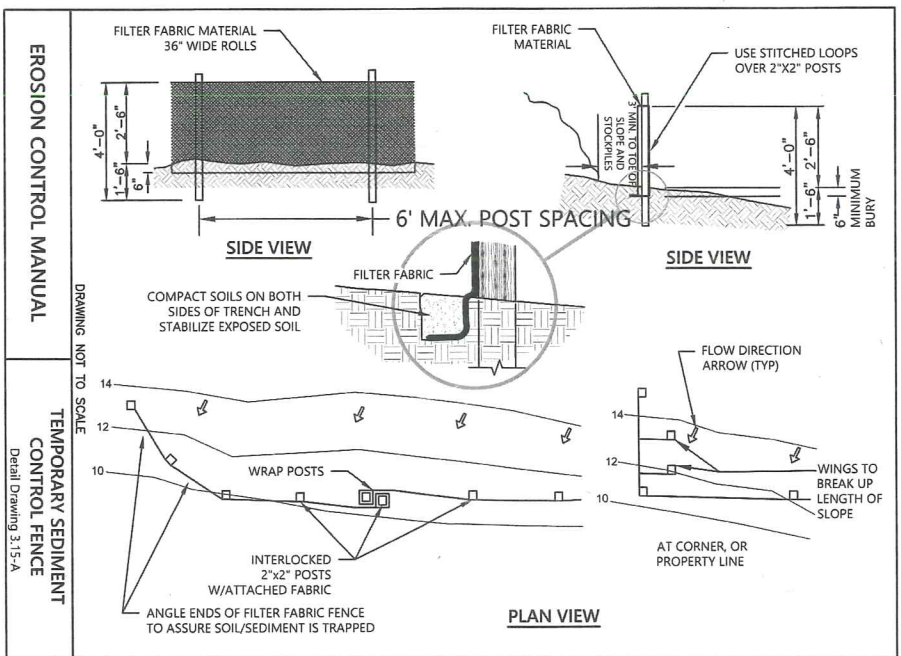
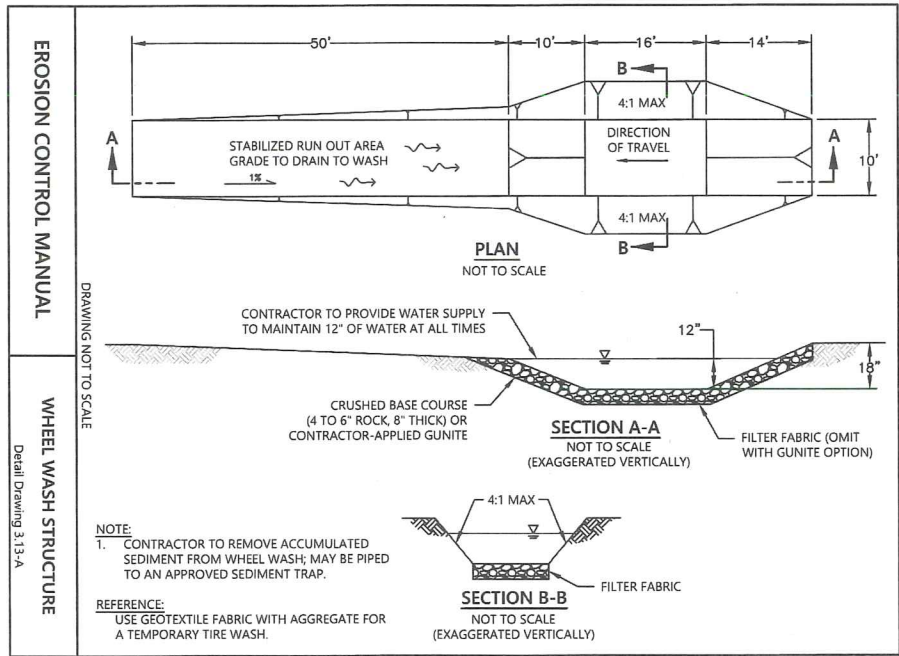
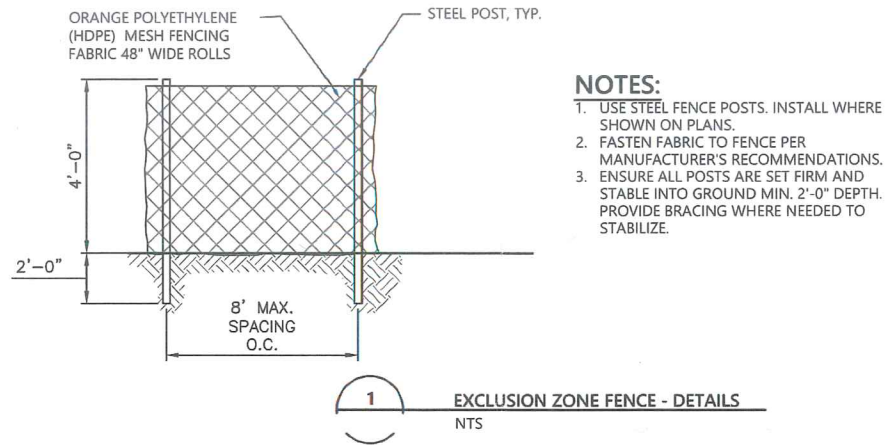
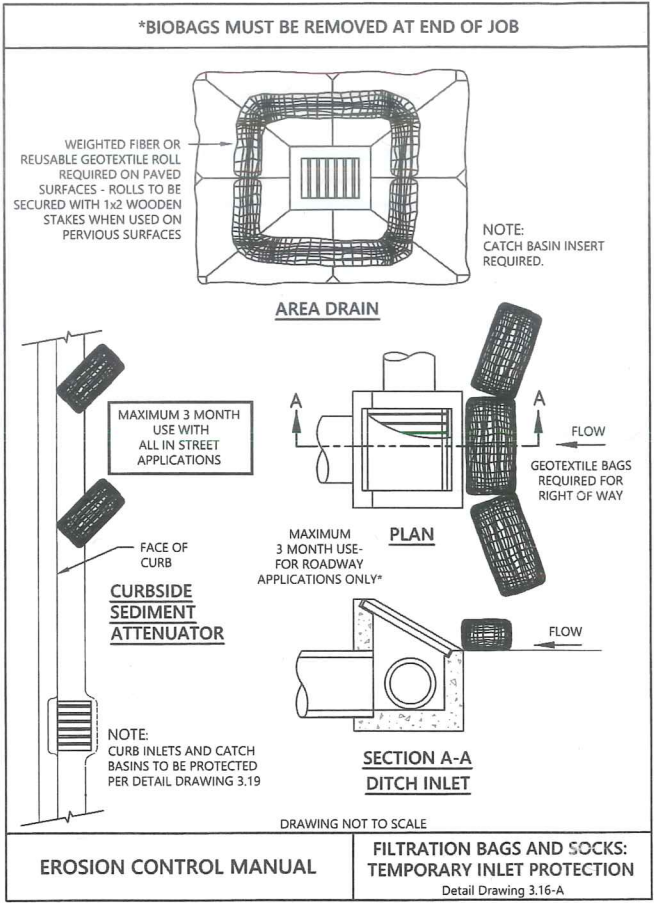
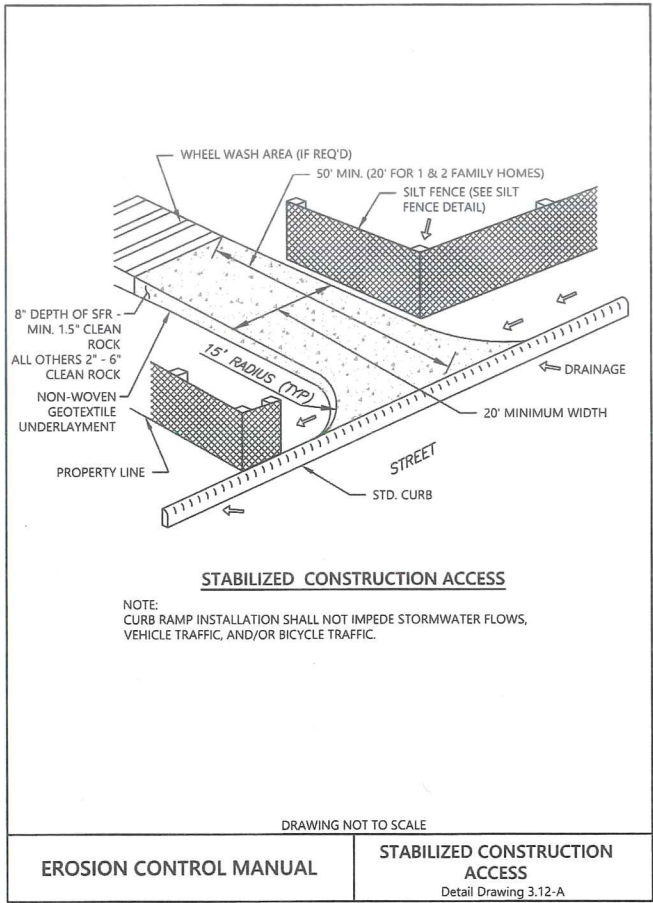
Date

Cottrell Pond Restoration

Erosion Control Details

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Designed By	Program Mgr
CAD Checked By	Const Mgr
Checked By	Const Supvr
Project Mgr	Date



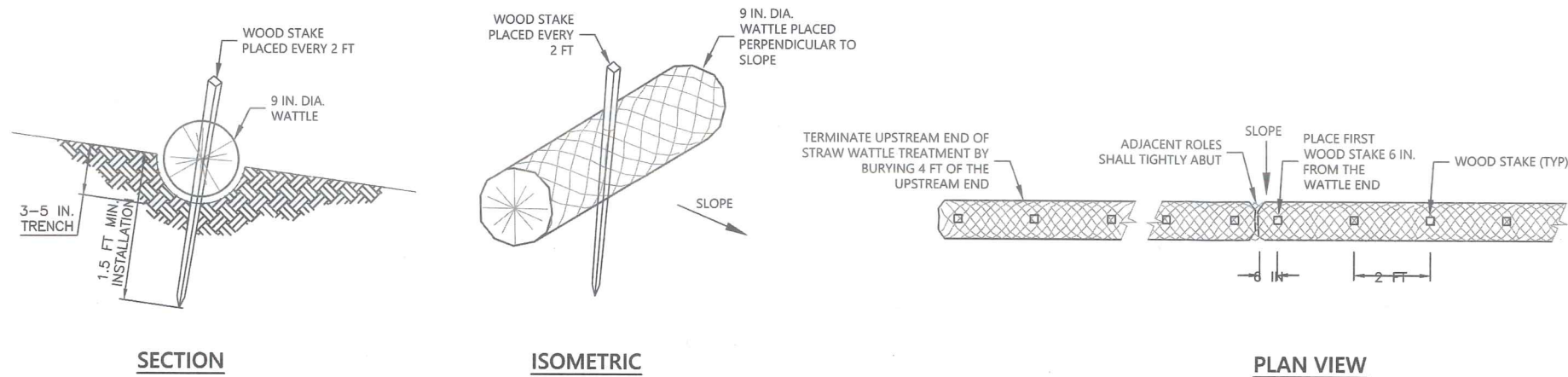
Preliminary



Cottrell Pond Restoration

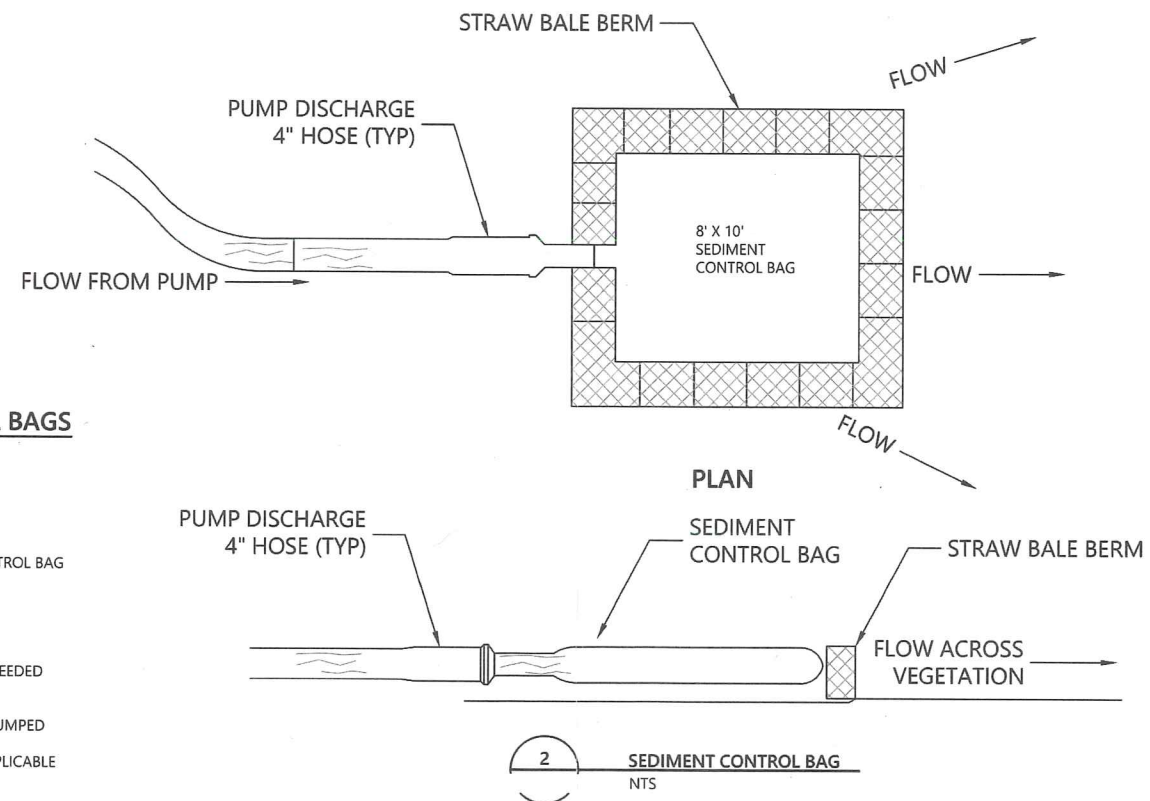
Erosion Control Details

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GENERAL NOTES ON INSTALLING STRAW WATTLES

- INSTALL THE WATTLES, INSURING THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE WATTLE. THE ENDS OF ADJACENT WATTLES SHALL BE TIGHTLY ABUTTED SO THAT NO OPENING EXISTS FOR WATER OR SEDIMENT TO PASS THROUGH.
- LIVE STAKES SHALL BE USED TO FASTEN WATTLES TO THE SOIL.
- NO DAMAGE SHALL BE DONE TO THE WATTLE DURING INSTALLATION.



GENERAL NOTES ON INSTALLING SEDIMENT CONTROL BAGS

- AVOID PLACEMENT OF THE SEDIMENT CONTROL BAG ABOVE STEEP SLOPES OR WHERE SATURATED SOIL CONDITIONS MAY CAUSE SOIL INSTABILITY.
- INSTALL THE SEDIMENT CONTROL BAG ON A MILD SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG.
- THE SEDIMENT CONTROL BAG MUST BE MONITORED DURING USE. THE SEDIMENT CONTROL BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE.
- DISPOSE OF THE SEDIMENT CONTROL BAG WHEN FULL AND REPLACE WITH NEW BAG.
- FOR DISPOSAL, THE SEDIMENT CONTROL BAG MAY BE CUT OPEN AND THE CONTENTS SEEDED AFTER REMOVING VISIBLE FABRIC.
- SIZING AND MAINTENANCE OF THE SEDIMENT CONTROL BAG IS DEPENDENT ON THE PUMPED FLOW RATE AND AMOUNT OF SEDIMENT. CONTRACTOR SHALL VERIFY THAT SEDIMENT CONTROL BAG IS SUFFICIENT TO TREAT PUMPED DEWATERING WATER TO MEET ALL APPLICABLE STANDARDS AND PERMIT CONDITIONS.

Designed By	Program Mgr
CAD Checked By	Const Mgr
Checked By	Const Supvr
Project Mgr	Date



Preliminary



Cottrell Pond Restoration

Erosion Control Details

NO SCALE		03/03/2026
CONTTRELL POND ESER 26-0017		TI: 1S, 4E: 22, CD-00300
CHECKED BY: DW	DRAWN BY: AM	

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