

CITY OF SHERWOOD

2ND AND PARK REGIONAL STORM FACILITY REHABILITATION PROJECT

APRIL 2026

(BID DOCUMENT VOLUME 2 OF 2 - CONTRACT DRAWINGS)

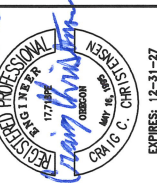
COVER SHEET

2ND AND PARK REGIONAL STORM FACILITY REHABILITATION

LOCATED IN SECTION 32B, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING AND SURVEYING
SHERWOOD, OREGON 97140

PHONE: (503) 826-3309
FAX: (503) 825-0629
E-MAIL: engineering@sherwoodoregon.gov



SHEET INDEX:

1. COVER SHEET
2. NOTES
3. TYPICAL SECTION
4. STORM FACILITY GRADING PLAN
5. DETAILS 1
6. DETAILS 2

PROJECT LOCATION:
SW 2ND ST AND SW PARK ST

DEVELOPER/OWNER:
CITY OF SHERWOOD
22560 SW PINE ST
SHERWOOD, OREGON 97140
CONTACT: SOTI LAM, P.E.
PH. 503-825-2303
LAMS@SHERWOODOREGON.GOV

SURVEY INFORMATION:

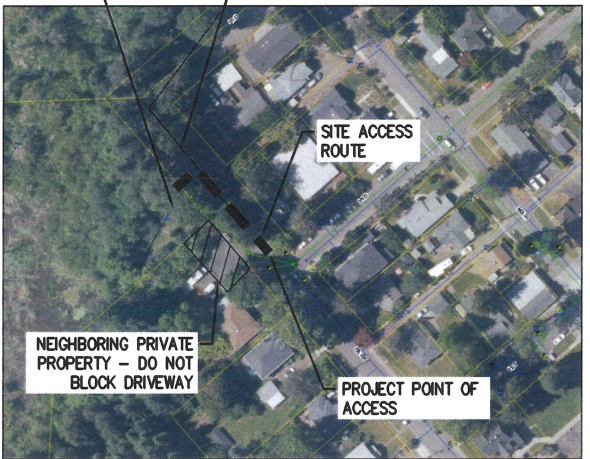
HORIZONTAL:
AS-BUILT PLAN.
VERTICAL:
ASSUMED DATUM AT BYPASS WEIR ELEVATION = 100.00

INSPECTOR INFORMATION:

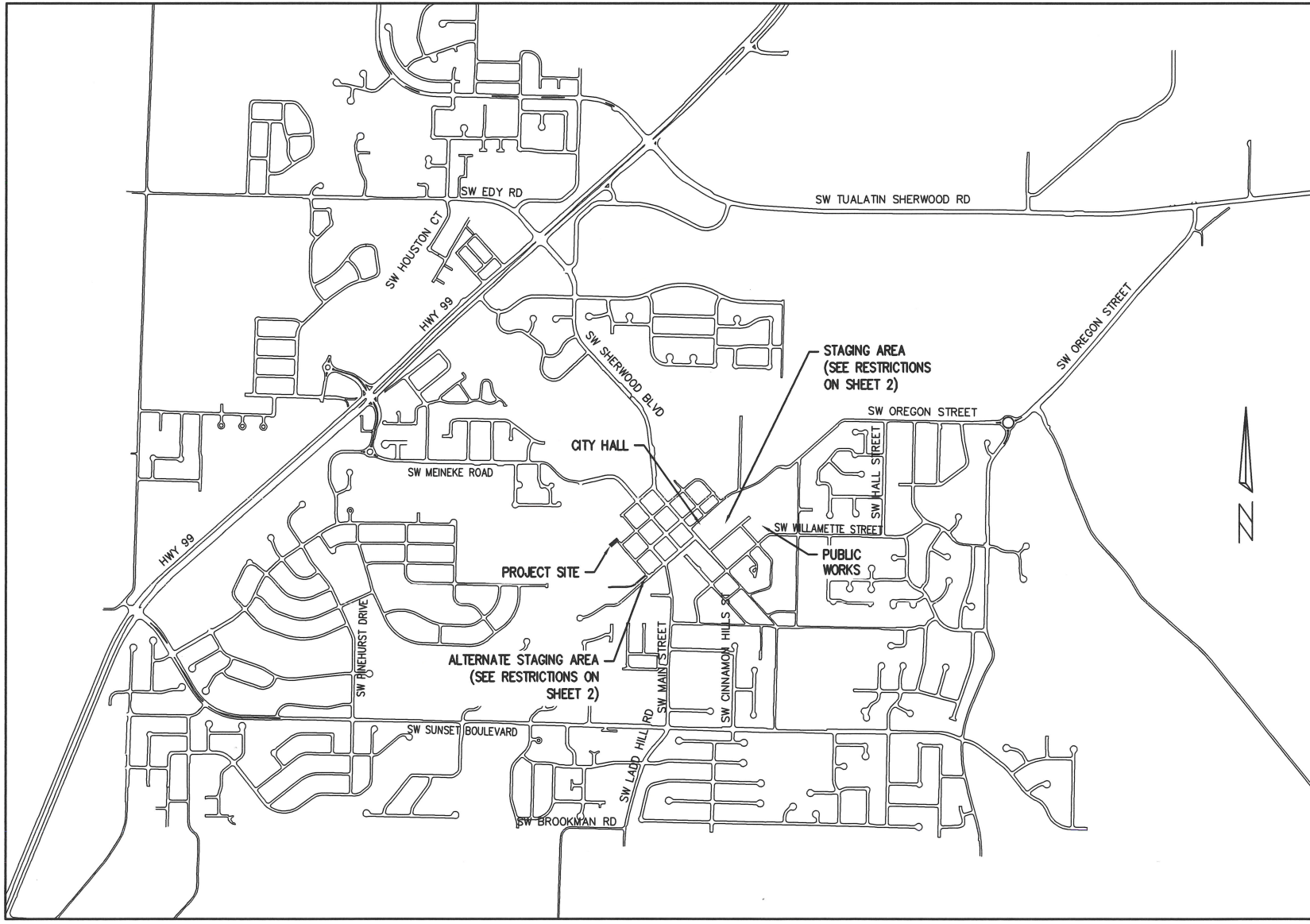
CITY OF SHERWOOD: ANDY STIRLING (971) 979-2886
CONTACT INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION.

2ND AND PARK REGIONAL STORM FACILITY LOCATION

APPROX LOCATION OF CEDAR CREEK TRAIL. ANY DAMAGE TO TRAIL, STAIRS, ETC. SHALL BE REPLACED TO MATCH EXISTING (INCIDENTAL).



PROJECT LOCATION AND ACCESS
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

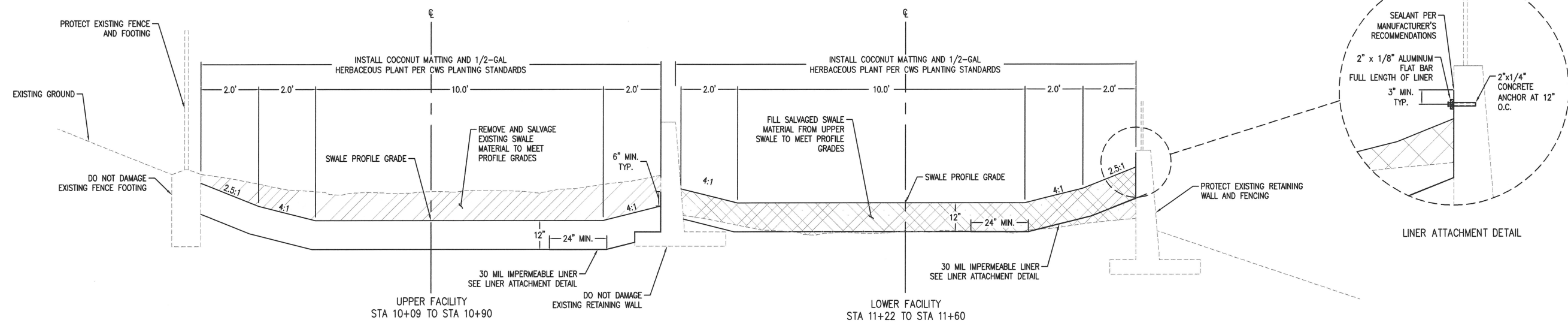
THIS DESIGN COMPLIES WITH ORS 92.044 (7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN ONE (1) FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTIONS NOR FINAL FIELD LOCATION CHANGES SHALL BE PERMITTED IF THAT CHANGE WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN THE PROHIBITED AREA.

ATTENTION EXCAVATORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-011-0010 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 2 BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION. CALL (503) 246-6699.

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| DESIGNED BY: | SWL |
| DRAWN BY: | SWL |
| CHECKED BY: | CCC |
| FULL SIZE SCALE: | AS NOTED |
| DATE: | APRIL 2026 |

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| REVISIONS | |
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| JOB NO. | |
| SHEET NO. | 1 |
| | of 6 |



1 WATER QUALITY SWALE TYPICAL SECTION
NOT TO SCALE

- WATER QUALITY SWALE NOTES:**
1. WATER QUALITY SWALE SHALL MEET CLEAN WATER SERVICE'S STANDARDS FOR CONSTRUCTION AND MAINTENANCE PER DRAWING NO. 706.
 2. CONTRACTOR SHALL PROVIDE WATERING IN THE FORM OF TEMPORARY IRRIGATION OR A COMBINATION OF HAND-WATERING FOR THE TWO YEAR PLANT ESTABLISHMENT PERIOD DEPENDING ON PLANT VITALITY AS DETERMINED DURING MONITORING. PROVIDE WATERING AT A RATE OF 1-INCH PER WEEK BETWEEN JUNE 15 AND OCTOBER 15. UNUSUAL WEATHER CONDITIONS (I.E. DROUGHT OR LOWER THAN NORMAL PRECIPITATION) MAY WARRANT EXTENDED IRRIGATIONS FOR PERIODS BEYOND THOSE SPECIFIED ABOVE, IF A TEMPORARY IRRIGATION SYSTEM IS USED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A TEMPORARY IRRIGATION SYSTEM DESIGN AND INSTALLATION. PROVIDE THE OWNER DETAILED DRAWINGS AND SPECIFICATIONS OF SYSTEM PRIOR TO INSTALLATION. CONTRACTOR TO COORDINATE WITH CITY OF SHERWOOD FOR CONNECTION TO THE EXISTING WATER SYSTEM, METERING, AND BACKFLOW REQUIREMENTS.
NOTE: THERE IS NO CLOSE POINT OF CONNECTION TO THE PUBLIC WATER SYSTEM.

| PLANT SCHEDULE | | | |
|----------------|----------------|----------|-------------------------|
| BOTANIC NAME | COMMON NAME | QUANTITY | SIZE |
| CAREX OBNUPTA | SLOUGH SEDGE | 1360 | 6" OR 1/2-GAL CONTAINER |
| JUNCUS PATENS | SPREADING RUSH | 1360 | 6" OR 1/2-GAL CONTAINER |

TREATMENT AREA = 2032 SF
 SIDE SLOPE AREA = 333 SF
 PLANTING AREA = 2365 SF
 REQUIRED PLANTS = 2032 X 1.15 = 2337 PLANTS
 PROVIDED = 2720 PLANTS

PLANT 115 HERBACEOUS PLANTS PER 100 SQUARE FEET,
 1' ON CENTER SPACING.

TYPICAL SECTION

2ND AND PARK REGIONAL STORM FACILITY REHABILITATION

LOCATED IN SECTION 32B, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

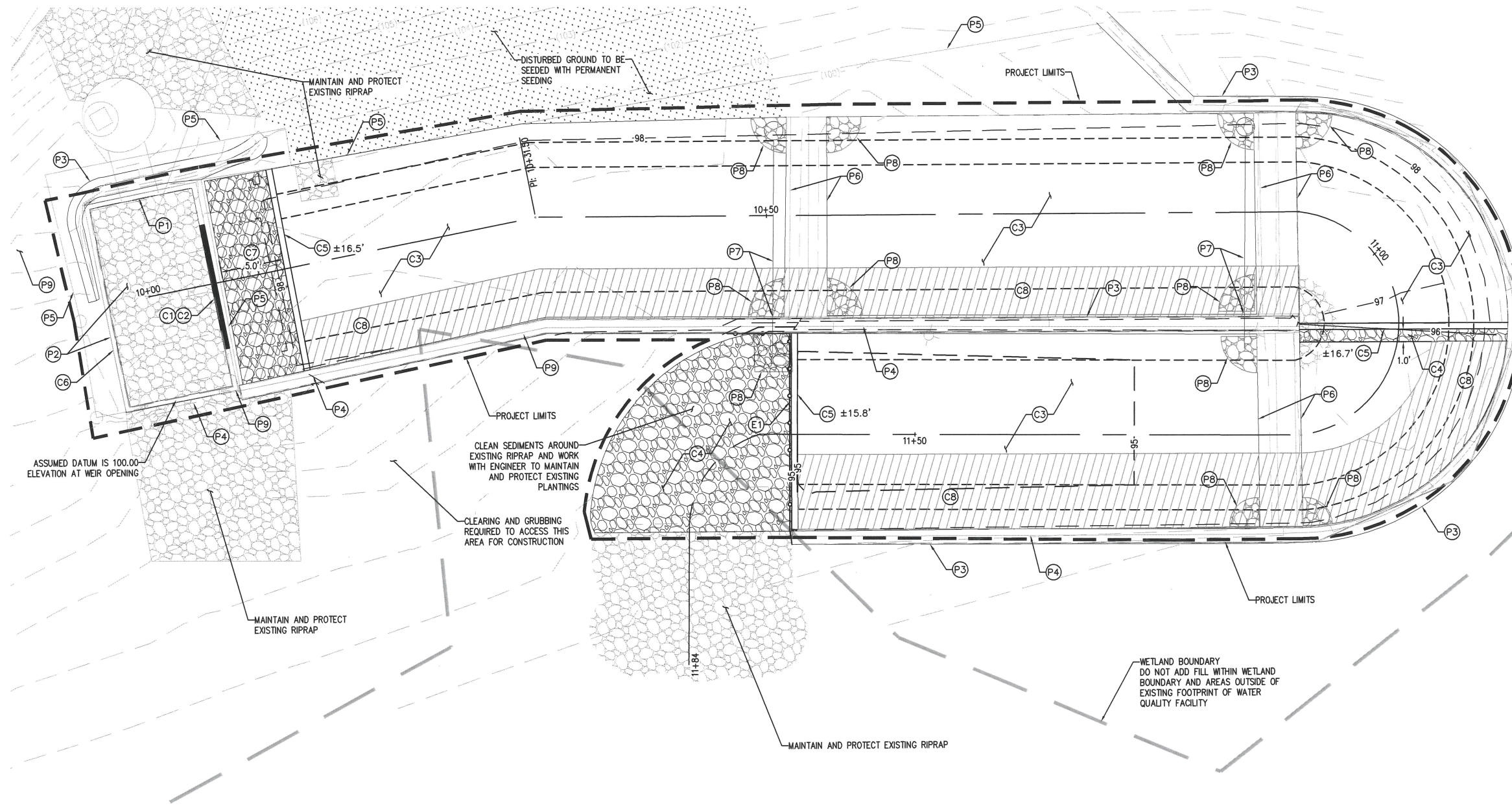
CITY OF SHERWOOD
 ENGINEERING DEPARTMENT
 SHERWOOD, OREGON 97140
 PHONE: (503) 825-3309
 FAX: (503) 825-0629
 E-MAIL: engineering@sherwoodoregon.gov

7-6-16
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF OREGON
 CRAIG C. CHIRKIN
 EXPIRES: 12-31-27

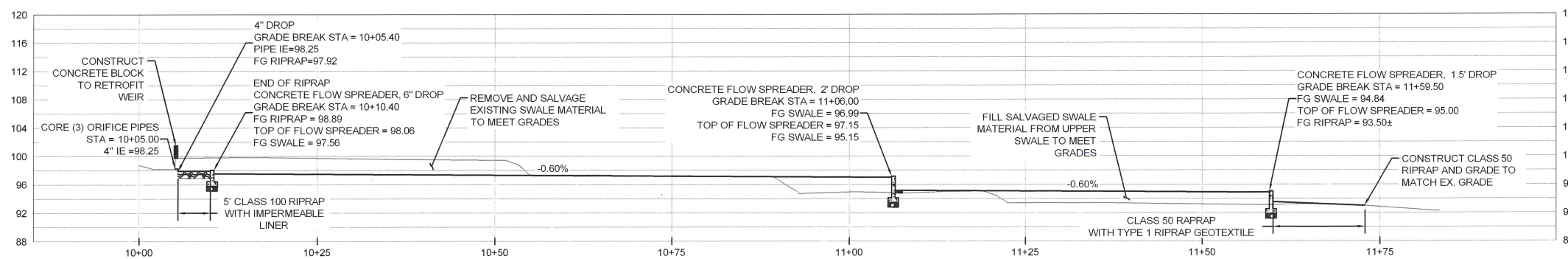
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| DESIGNED BY: | SAL |
| DRAWN BY: | SAL |
| CHECKED BY: | CCC |
| FULL SIZE SCALE: | AS NOTED |
| DATE: | APRIL 2026 |

2ND-PARK_SHEETS

| NO. | DATE | DESCRIPTION |
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1 WATER QUALITY SWALE PLAN VIEW
1" = 5' (22"x34")



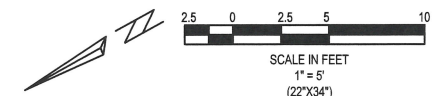
2 WATER QUALITY SWALE PROFILE VIEW
H: 1"=10'
V: 1"=10'

- SHEET NOTES**
- CLEARING AND GRUBBING OUTSIDE OF PROJECT LIMITS MAY BE REQUIRED TO ACCESS THIS AREA FOR CONSTRUCTION. THIS IS INCIDENTAL TO BID ITEMS "CLEARING AND GRUBBING."
 - CONTRACTOR TO REMOVE ALL VEGETATION WITHIN THE FACILITY PRIOR TO REGRADING. CONTRACTOR MAY ELECT TO USE AN APPROVED HERBICIDE OR HAND REMOVE PLANTINGS AND VEGETATION.
 - CONTRACTOR TO BLOCK WATER FLOW FROM WEIR BOX PRIOR TO WORKING IN THE FACILITY.
 - STORM FACILITY REHABILITATION WORK, INCLUDING REGRADING, LINER AND RIPRAP INSTALLATION, FLOW SPREADER CONSTRUCTION, ETC. SHALL OCCUR DURING DRY SEASON. CONTRACTOR TO COMPLETE REMOVAL WORK IN A TIMELY MANNER TO COMPLETE PROJECT WITHIN DRY SEASON.

- PROTECTION AND REMOVAL KEY NOTES**
- (P1) PROTECT EXISTING 36" OUTLET PIPE.
 - (P2) PROTECT CONCRETE WEIR BOX, REMOVE EXISTING RIPRAP FROM WEIR BOX (BID ALT), AND CLEAN OUT SEDIMENTS/DEBRIS FROM WEIR BOX (BID ALT).
 - (P3) PROTECT EXISTING RETAINING WALL.
 - (P4) PROTECT EXISTING CHAIN LINK FENCE.
 - (P5) REMOVE CHAIN LINK FENCE AS NECESSARY TO RETROFIT WEIR. SALVAGE CHAIN LINK FENCE TO REINSTALL AFTER RETROFIT.
 - (P6) REMOVE EXISTING CONCRETE STEPS/FLOW SPREADER.
 - (P7) REMOVE EXISTING 4" PERFORATED PIPE AND PLUG 4" CORES IN RETAINING WALL WITH MECHANICAL PLUG ON EXPOSED SIDE.
 - (P8) REMOVE AND RELOCATE EXISTING CLASS 50 RIPRAP.
 - (P9) REMOVE EXISTING DAMAGED TEMPORARY IRRIGATION SYSTEM.

- CIVIL KEY NOTES**
- (C1) CONSTRUCT CONCRETE RETROFIT WITH DOWELS ACROSS EXISTING WEIR WALL PER DETAIL 3 ON SHEET 5.
 - (C2) CORE (3) 4" DIAMETER HOLES BELOW BYPASS WEIR AND INSTALL SNOOTS PER DETAIL 3 ON SHEET 5.
 - (C3) REGRADE STORM FACILITY PER TYPICAL SECTION ON SHEET 3.
 - (C4) CONSTRUCT CLASS 50 RIPRAP TRANSITION WITH REUSED RIPRAP.
 - (C5) CONSTRUCT CONCRETE FLOW SPREADER PER MODIFIED CWS DRAWING NO. 715. SEE PROFILE FOR ELEVATION DROPS.
 - (C6) BID ALT: INSTALL CONCRETE 8'x16' VAULT LID OVER EXISTING WEIR BOX.
 - (C7) INSTALL IMPERMEABLE LINER PER LINER ATTACHMENT DETAIL ALONG RETAINING WALL, WEIR BOX, AND FLOW SPREADER AND CONSTRUCT CLASS 50 RIPRAP AT 1' DEPTH WITH REUSED RIPRAP. LINER ON NON-CONCRETE SIDE OF RIPRAP BAY TO COME UP TO TOP OF RIPRAP.
 - (C8) INSTALL 30 MIL IMPERMEABLE LINER PER TYPICAL SECTION ON SHEET 3.

- EROSION CONTROL KEY NOTES**
- (E1) INSTALL SEDIMENT FENCE PER CWS DRAWING NO. 875.



STORM FACILITY GRADING PLAN

2ND AND PARK REGIONAL STORM FACILITY REHABILITATION

LOCATED IN SECTION 32E, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD ENGINEERING DEPARTMENT SHERWOOD, OREGON 97140

PHONE: (503) 935-3309 FAX: (503) 825-0629 E-MAIL: engineering@shermadotorgov

REGISTERED PROFESSIONAL ENGINEER
12/18/04
C. C. CHRISTENSEN
P.E.
EXPIRES: 12-31-27

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|------------------|------------|
| DESIGNED BY: | SAL |
| DRAWN BY: | SAL |
| CHECKED BY: | CCC |
| FULL SIZE SCALE: | AS NOTED |
| DATE: | APRIL 2008 |

2ND-PARK-SHEETS

REVISIONS

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| JOB NO. | |
| SHEET NO. | 4 |
| OF | 6 |

CONSTRUCTION

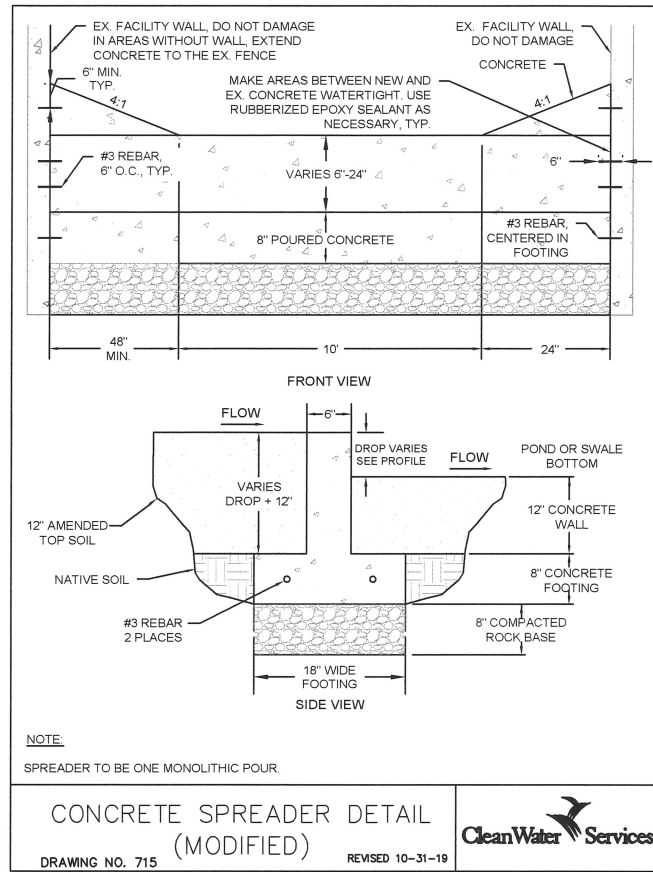
- Water Quality Facility shall be over-excavated and filled to final grade with 12-inch amended topsoil. Topsoil amendments shall be garden compost, not conventional fertilizer amendments.
- A biodegradable Erosion Control Matting shall be placed over the topsoil throughout the swale cross section, fabric shall be held in place in accordance with the manufacturer's installation requirements. Anchor spacing shall be based on 3 fps flow over the fabric.
 - Treatment area - high-density jute matting (Geojute Plus or other approved equal)
 - All other areas - low-density jute matting (EconoJute or other approved equal)
- Plant materials shall be placed in accordance with the plan and plant table as shown on approved plans.
- The water quality facility treatment area plantings can be deemed "substantially complete" once active green growth has occurred to an average growth of 3" and plant density is an average of approx. 6 plants (minimum 1-inch plugs or equivalent) per square foot.
- The facility shall be deemed acceptable to begin the maintenance period when plant growth and density matches the engineer's design as shown on the approved plans and all other requirements have been met. The engineer must certify the facility to be functional, in accordance with the approved plan design to begin the two-year maintenance period.

MAINTENANCE

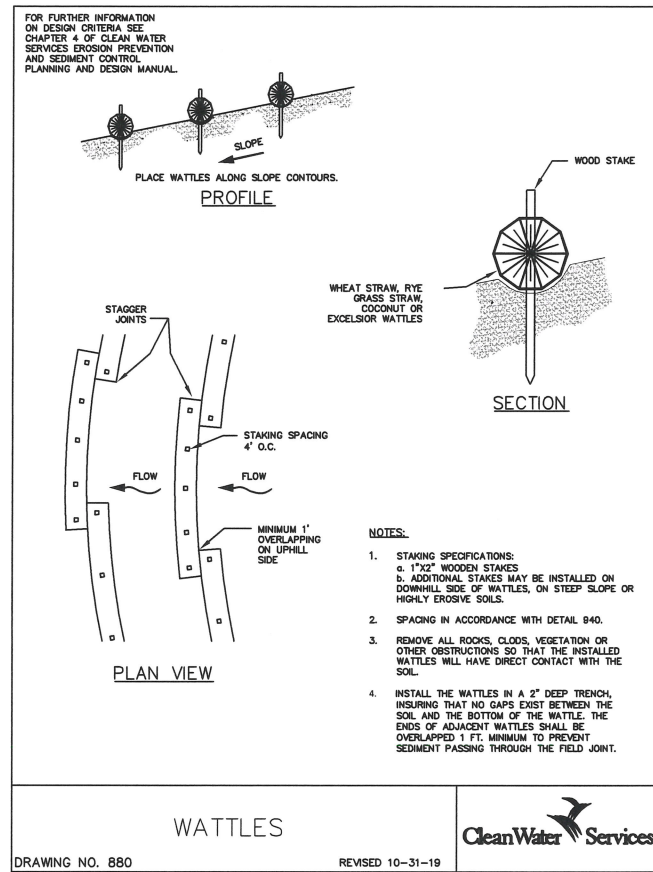
- The permittee is responsible for the maintenance of this facility for a minimum of two years following construction and acceptance of this facility per Chapter 2.
- Irrigation is to be provided per separate irrigation plan as approved.

Note: Irrigation needs are to be met using a temporary irrigation system with a timer during the dry season. Systems should be winterized during the wet season to assure longevity and guard against damage from freezing temperatures. Water source shall be as shown on the approved plans.
- Engineer or Owner's Representative is required to perform Monitoring and Maintenance of the Site and provide Documentation as required in Appendix A, 2.5 of the Design and Construction Standards. The Approved Plans shall include a Maintenance Schedule per Appendix A, 2.6.e of the Design and Construction Standards.
- The facility shall be re-excavated and planted if siltation greater than 3 inches in depth occurs within the two-year maintenance period.

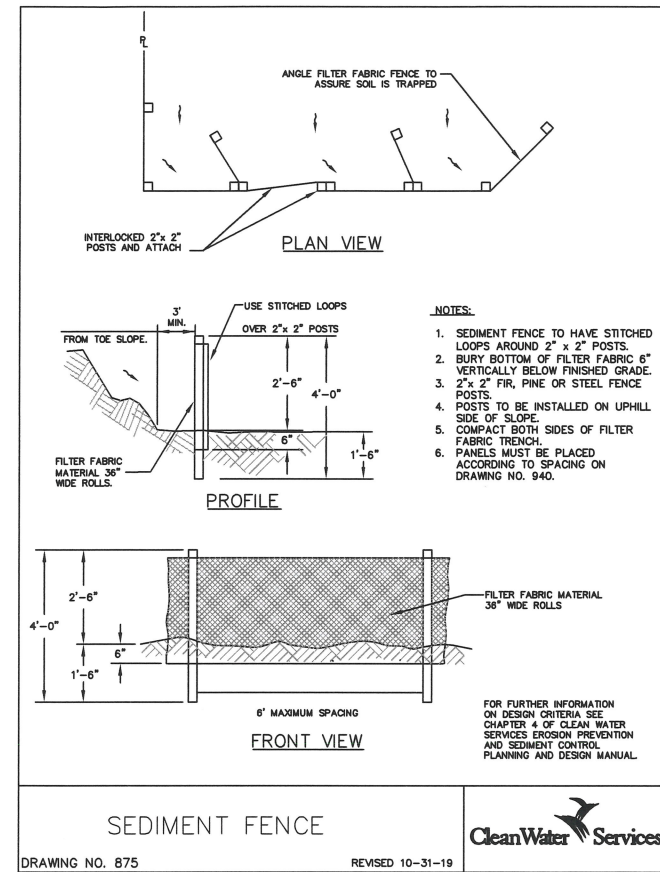
WATER QUALITY SWALE
CONSTRUCTION & MAINTENANCE NOTES
DETAIL NO. 706 REVISED 10-31-19



CONCRETE SPREADER DETAIL
(MODIFIED)
DRAWING NO. 715 REVISED 10-31-19



WATTLES
DRAWING NO. 880 REVISED 10-31-19



SEDIMENT FENCE
DRAWING NO. 875 REVISED 10-31-19



- NOTES**
- WHEN RAINFALL AND RUNOFF OCCURS, A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE MUST PROVIDE DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS.
 - CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31ST EACH YEAR.
 - DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
 - SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
 - ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 - SIGNIFICANT AMOUNTS OF SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING 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 TIME FRAME.
 - SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGEWAYS, OR WATER BODIES.
 - SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3-RD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURES REMOVAL.
 - CLEANING OF ALL STRUCTURES WITH SUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
 - ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
 - THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
 - THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
 - OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE, AND FEDERAL REGULATIONS.
 - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
 - PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
 - IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST, THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
 - WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPs. SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
 - ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
 - THE ESC PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
 - THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
 - WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
 - IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
 - ALL EXPOSED SOILS MUST BE COVERED, AT END OF BUSINESS DAY, DURING WET WEATHER PERIOD, FROM OCTOBER 1 - MAY 31.

STANDARD EROSION CONTROL
NOTES FOR SITES LESS THAN 1
ACRE
DRAWING NO. 945 REVISED 10-31-19



DETAILS 2

2ND AND PARK REGIONAL STORM
FACILITY REHABILITATION

LOCATED IN SECTION 32B, T2S, R1W, W4M IN THE CITY OF SHERWOOD,
WASHINGTON COUNTY, STATE OF OREGON

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ENGINEERING DEPARTMENT
SHERWOOD, OREGON 97140
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E-MAIL: engineering@ci.sherwood.oregon.gov

3-6-14

PROFESSIONAL
ENGINEER
STATE OF OREGON
C. J. [Signature]
NO. 12345
EXPIRES: 12-31-27

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| DESIGNED BY: | SAL | DATE: | APRIL 2008 |
| DRAWN BY: | SAL | FULL SIZE SCALE: | AS NOTED |
| CHECKED BY: | CCC | DATE: | APRIL 2008 |
| 2ND-PARK-SHEETS | | | |
| REVISIONS | | | |
| JOB NO. | | | |
| SHEET NO. | SHEET | 6 | |
| | of 6 | | |