THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-CN PERMIT, THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-CN PERMIT

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF

BMP MATRIX FOR CONSTRUCTION PHASES

REQUIREMENTS IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-CN PERMIT REQUIREMENTS

** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY

PERMITTEE'S SITE INSPECTOR: Dale Wilson

DESCRIPTION OF EXPERIENCE: 30 years of inspection/construction management.

COMPANY/AGENCY: Jacobs Engineering E-MAIL: dale.wilson@jacabs.com

ODOT CECI #41756

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DED'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S 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 REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

RATIONALE STATEMENT

SUPERCEDE REQUIREMENTS OF THIS PLAN.

AVAILABLE BMP'S.

PRESERVE NATURAL VEGETATION** GROUND COVER

HYDRAULIC APPLICATIONS

DUST CONTROL

BUFFER ZONE"

SEDIMENT CONTROL

SEDMENT FENCE (PERIMETER)**

SEDIMENT FENCE (INTERIOR)

NLET PROTECTION

RUN OFF CONTROL

CONSTRUCTION ENTRANCE*

OUTLET PROTECTION

SURFACE ROUGHENIN

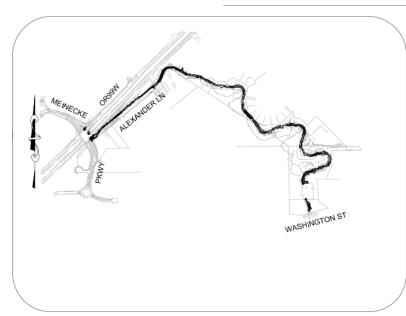
CHECK DAMS

POLUTION PREVENTIO

PROPER SIGNAGE

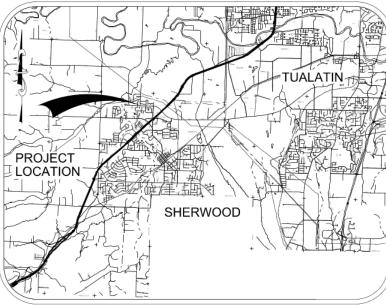
CONCRETE WASHOUT AREA

ESC PLAN FOR SITES 1 TO 5 ACRES



SITE MAP

NOT TO SCALE



VICINITY MAP NOT TO SCALE

PROJECT LOCATION:

NEAR THE STELLA DLSEN MEMORIAL PARK LATITUDE = 45' 21'32.03" N. LONGITUDE = 127' 50'44.62" W

PROPERTY DESCRIPTION:

ATTENTION EXCAVATORS:

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN DAR 952-001-0010 THROUGH DAR 952-001-0030, 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

DEVELOPER

DEVELOPER/COMPANY: CITY OF SHERWOOD CONTACT: JASON WATERS 22560 SW PINE ST SHERWOOD, OR 97140 PHONE: 503-925-2304

PLANNING / ENGINEERING / SURVEYING FIRM

ENCINEERING & SURVEY FIRM: JACOBS CONTACT: MATTHEW LITTLE
2020 SW 4TH AVENUE, THIRD FLOOR
PORTLAND, OR 97201 EMAIL. MATTHEW,LITTLE@JACOBS.COM PHONE: 541-768-3339

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS

PROJECT SITE EXTENDS FROM AN EXISTING PARK ON WASHINGTON ST TO THE INTERSECTION OF HWY 99 AND MEINECKE RD, APPROX 2/3 OF SITE IS WITHIN A HEAVILY VEGETATED NATURAL DRAINAGE WAY AND APPROX 1/3 IS ALONG THE RESIDENTIAL ST, ALEXANDER LN.

CONSTRUCTION OF A NEW PAVED MULTI-USE PATH CONNECTING THE EXISTING PARK ON WASHINGTON ST WITH THE INTERSECTION

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

* CLEARING (SPRING 2021) MASS GRADING (SUMMER 2021 THRU WINTER 2022)

LITHITY INSTALLATION (WINTER 2022) STREET CONSTRUCTION (SPRING 2022 THRU SUMMER 2022) FINAL STABILIZATION (SUMMER 2022)

POST-CONSTRUCTION MONITORING (FALL 2022 THRU SUMMER 2023) TOTAL SITE AREA = 414,000 SF = 9.50 ACRES

TOTAL DISTURBED AREA = 195,000 SF = 4.48 ACRES

SITE SOIL CLASSIFICATION:

MOST SOIL IS HILLSBORO LOAM. ALSO PREVALENT ARE MCBEE SILTY CLAY LOAM, ALOHA SILT LOAM, AND XEROCHREPTS AND HAPLOXEROLLS. DRAINAGE VARIES FROM WELL DRAINED TO SOMEWHAT POORLY DRAINED. MOST SOIL IS HYDROLOGIC SOIL GROUP B OR C WITH MODERATE TO SLOW INFILTRATION RATES.

ON-SITE SOILS SHALL BE ASSUMED TO HAVE A HIGH EROSION POTENTIAL ALL FILL MATERIAL SHALL BE GENERATED ON-SITE FROM GRADING EXCAVATION AND UTILITY TRENCH SPOILS.

INSPECTION FREQUENCY:

	SITE CONDITION	MINIMUM FREQUENCY
1.	ACTIVE PERIOD	WEEKLY WHEN STORMWATER RUNOFF, INCLUDING RUNO FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY MONTH, RECARDLESS OF WHETH STORMWATER RUNOFF IS OCCURRING.
2.	PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3.	INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY MONTH.
4.	PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5,	PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.	MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES
- AND CONSTRUCTION LIMITS.
 ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-CN PERMIT
- * INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-CN PERMIT
- JNSPECTION LOUS MUST BE REPT IN ALCURDANCE WITH DEW'S 1200-CN PERMIT REQUIREMENTS.

 RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEO, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.

STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- 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.
 The ESCP measures shown on this plan are minimum requirements for anticipated site conditions. During the construction
- period, upgrade these measures as needed to camply with all applicable local, state, and federal erosion and sedime
- Submission of all ESCP revisions is not required. Submittal of the ESCP revisions is only under specific canditions. Submit
- all necessary revision to DEQ or Agent.

 4 Phase clearing and grading to the maximum extent practical to prevent exposed inactive areas from becoming a source of

- erosion

 Stantify, mark, and protect (by fending off or other means) critical riporlan 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., wellands), and other areas to be preserved, especially in perimeter areas.

 Preserve existing vegetation when practical and re-vegetate open areas. Re-vegetate pen areas when practicable before and ofter grading ar construction, Identify the type of vegetative seed mix used.

 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, including protection for active storm drain inlets and catch basins and appropriate non-stormwater pollution controls.
- aurotion of construction, including prefection for active storm aron inlets and coten about an appropriate non-stormwater politistic acriticals. Establish concrete truck and other concrete equipment wisolature before beginning concrete wark. Direct all wosh water into a pit or toek-proof container. Handle wash water as waste, concrete discharge to waters of the state is prohibited. Apply temporary and/or permanent soil stabilization measures immediately on all disturbed areas as grading progresses and
- for all roadways including gravel roadways, Establish material and waste storage areas, and other non-stormwater controls.
- Prevent tracking of sediment onto public or private roads using BMPs such as: groveled (or paved) exits and parking areas grovel all unpoved roads located onsite, or use an exit fire wash. These BMPs must be in place prior to land-disturbing artivities.
- activities.
 When trusking saturated soils from the site, either use water-tight trusks or drain loads on site.
 Use BMPs to prevent or minimize starmwater exposure to polutants from spilis; vehicle and equipment fueling, maintenance, and starage, other cleaning and maintenance activities, and waste handling activities. These pollutants include fuel, hydraulic fluid, and other alls from vehicles and macrinery, as well as debris, leflover paints, solvents, and glues from construction operations.
 Implement the following BMPs when applicable; written spill prevention and response procedures, emplayee training on spill
- prevention and proper disposal procedures, spill kills in all vehicles, regular maintenance schedule for vehicles and marchinery material delivery and storage controls, training and signage, and covered storage cross for waste and supplies Use voter, so it-binding agent or other dust benifel to exhel to avoid wind-blown soil
- to be water, ser-among agent or under our control of control of the application rate of fertilizers used to resolution must follow manufacturer's recommendations to minimize nutrient releases to surface waters. Exercise couldin when using time-release fertilizers within any waterway riparian zon 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 inet, 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. Obtain plan approval before operating the treatment system. Operate and monitain the treatment system according to manufacturer's specifications.

 18. 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.

 19. Construction activities must avoid or minimize excavation and creation of bare ground during wet weather October 0.1 May
- 20. Sediment fence, remove trapped sediment before it reaches one third of the above ground fence height and before fence

- removal.

 21. Other sediment barriers (such as biologs): remove sediment before it reaches two inches depth above graund height, and befare BMP remaval.

 22. Clatch basins: clienn befare 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.

 23. Within 24 hours, significant sediment that has left the construction site, must be remediated. Investigate the cause of the sediment release and implement sless to prevent a recurrence of the discharge within the same 24 hours. Any in-stream clien up of sediment shell be performed according to the Oregan Division of State Lands required timeframe.
- clean up of sediment shall be performed according to the Oregan Division of State Lands required timeforme.

 The intentional washing of sediment into storm severs or drainage ways must not occur. Vacuuming or dry sweeping and material pickup must be used to cleanup released sediments.

 Provide permonent erosano control measures on all exposed areas. Do not remove temporary sediment, control proctices until permanent vegetation or other cover of exposed areas is established. However, do remove all temporary trasion control measures as exposed areas set attained to the sediment of the control temporary trasion control measures as exposed areas set attained by temporary BMPs.

 If vegetative seed mines are specified, seeding must take place no later that September 1, the type and percentages of seed in the pinas.

 All pumping at sediment laden water shall be discharged over on undisturbed, preferably vegetated one, and through a sediment control BMP is. ((little bag))

 All exposed sails must be covered during the wet weather period, October 0.1 May 3.1. If water of the state is within the project side or within 50 feet of the project boundary, maintain the existing natural buffer if water of the state is within the project side or within 50 feet of the project boundary, maintain the existing natural buffer

- 29. If water of the state is within the project site or within 50 feet of the project boundary, maintain the existing natural buffer within the 50—toot zone for the duration of the permit coverage, or maintain less than the entire existing natural buffer and provide additional existion and sediment control BMPs.
- On not apply herbicade within 100-F1 of the ordinary high water of Cedor Creek and its tributaries.
 ODOT Standard Drawing borders and Erasion Control Details are used since the project is an ODOT Local Agency project.

SHEET INDEX

EROSION AND SEDIMENT CONTROL PLANS

EROSION CONTROL COVER SHEET

THRU EROSION CONTROL PLANS FB10

EROSION CONTROL DETAILS

RD1000 CONSTRUCTION ENTRANCES RD1006 CHECK DAMS, TYPE 2 AND 6 RD1010 INLET PROTECTION TYPE 2, 3, 6 AND 7 RD1030 SEDIMENT BARRIER, TYPE 2,3, AND 4

DR1032 SEDIMENT BARRIER, TYPE 8 RD1040 SEDIMENT FENCE RD1055 SLOPE AND CHANNEL MATTING

RD1060 TIRE WASH FACILITY, TYPE 1 AND 2 RD1070 CONCRETE TRUCK WASH OUT

> Revised 06-17-2022 Time table and Inspector

Time table

Revised 07-25-2022

TOOM TOOMS OREGON Ш 23, 2009

THEW RYAN

EXPIRES: 12/31/2022

Designer: M Little Drafter: M Wainscott

CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)

PACIFIC HIGHWAY WEST

WASHINGTON COUNTY

Checker: S Mader

EROSION CONTROL

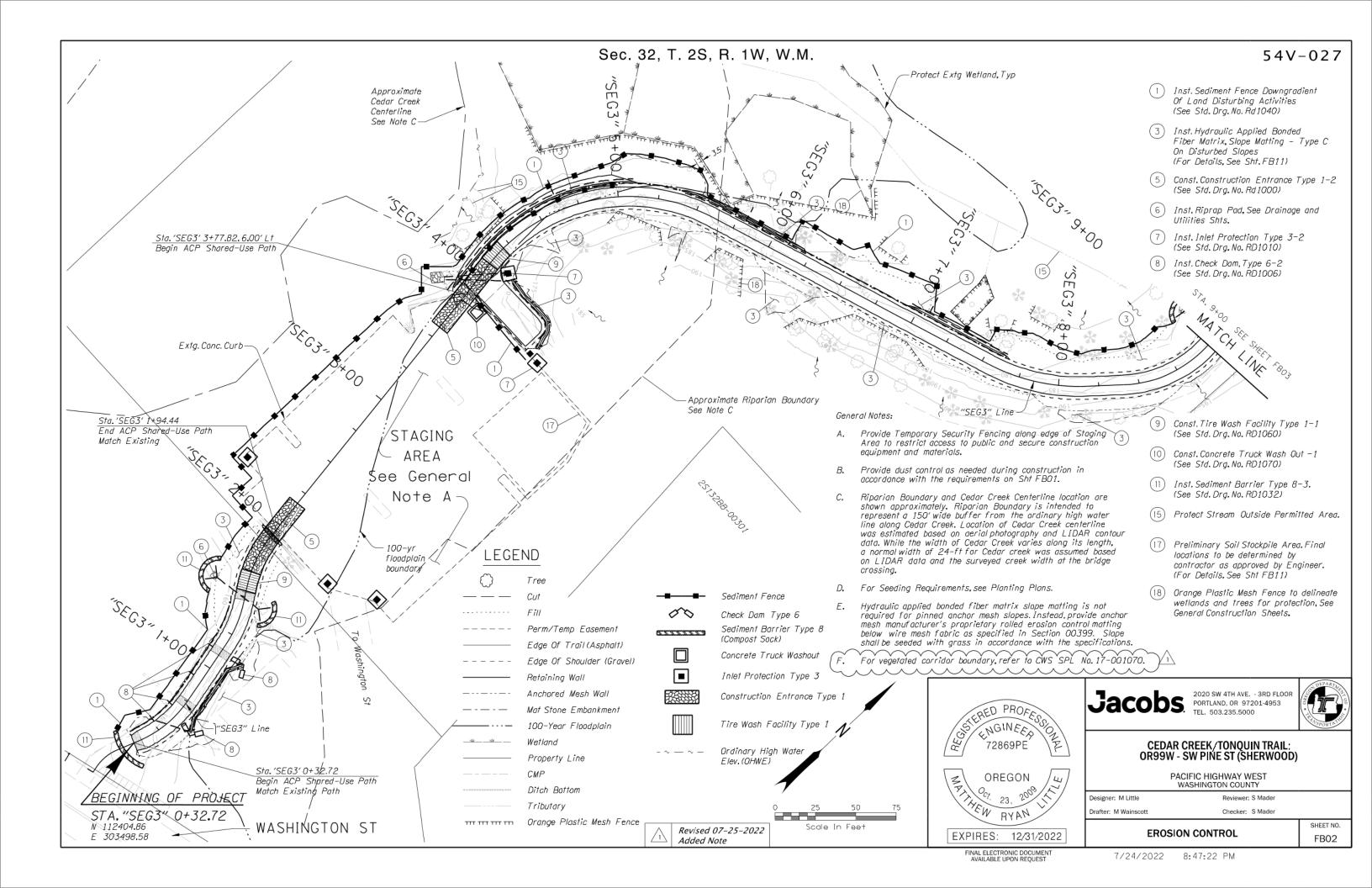
COVER SHEET

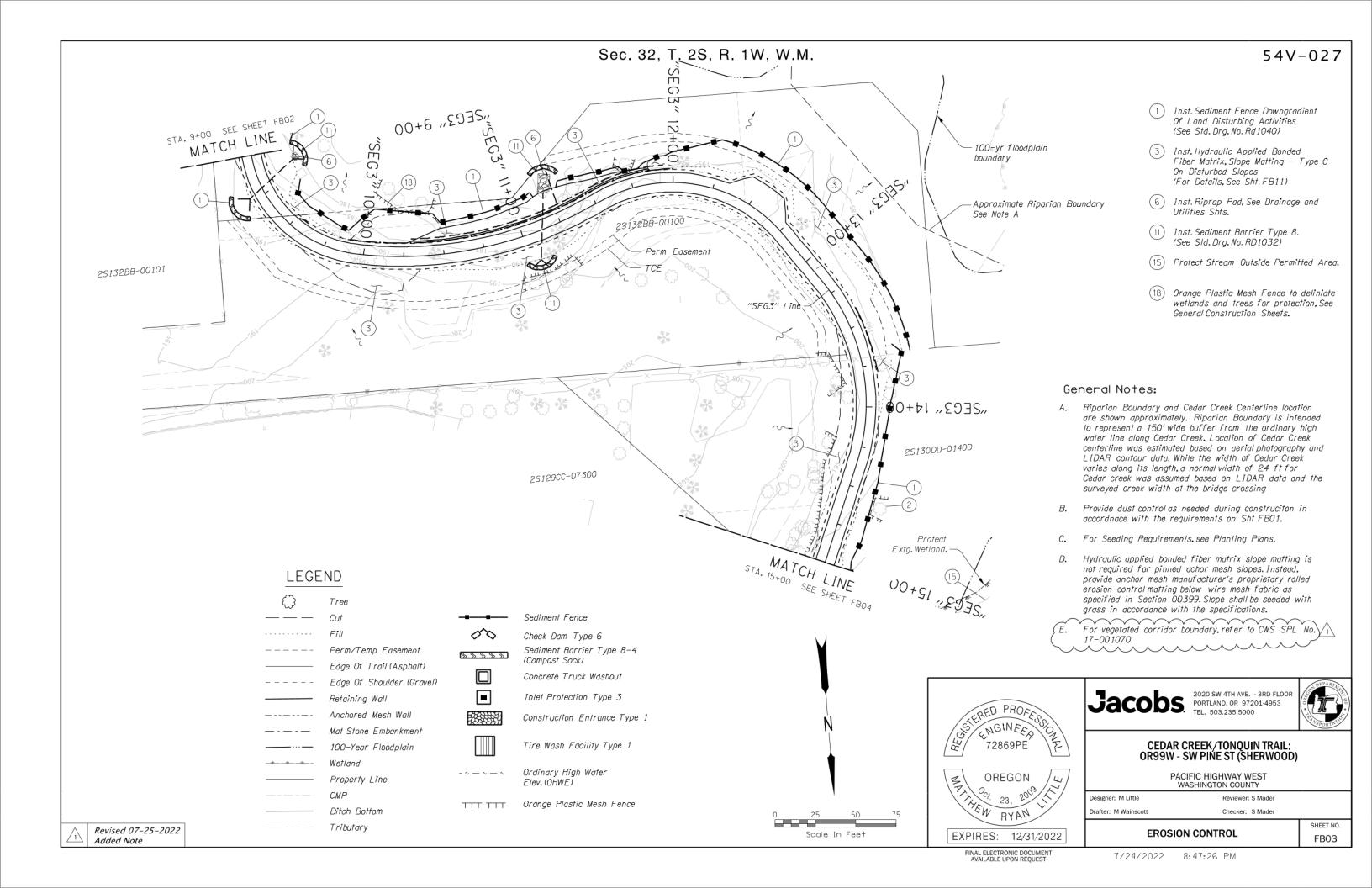
7/24/2022 8:47:16 PM

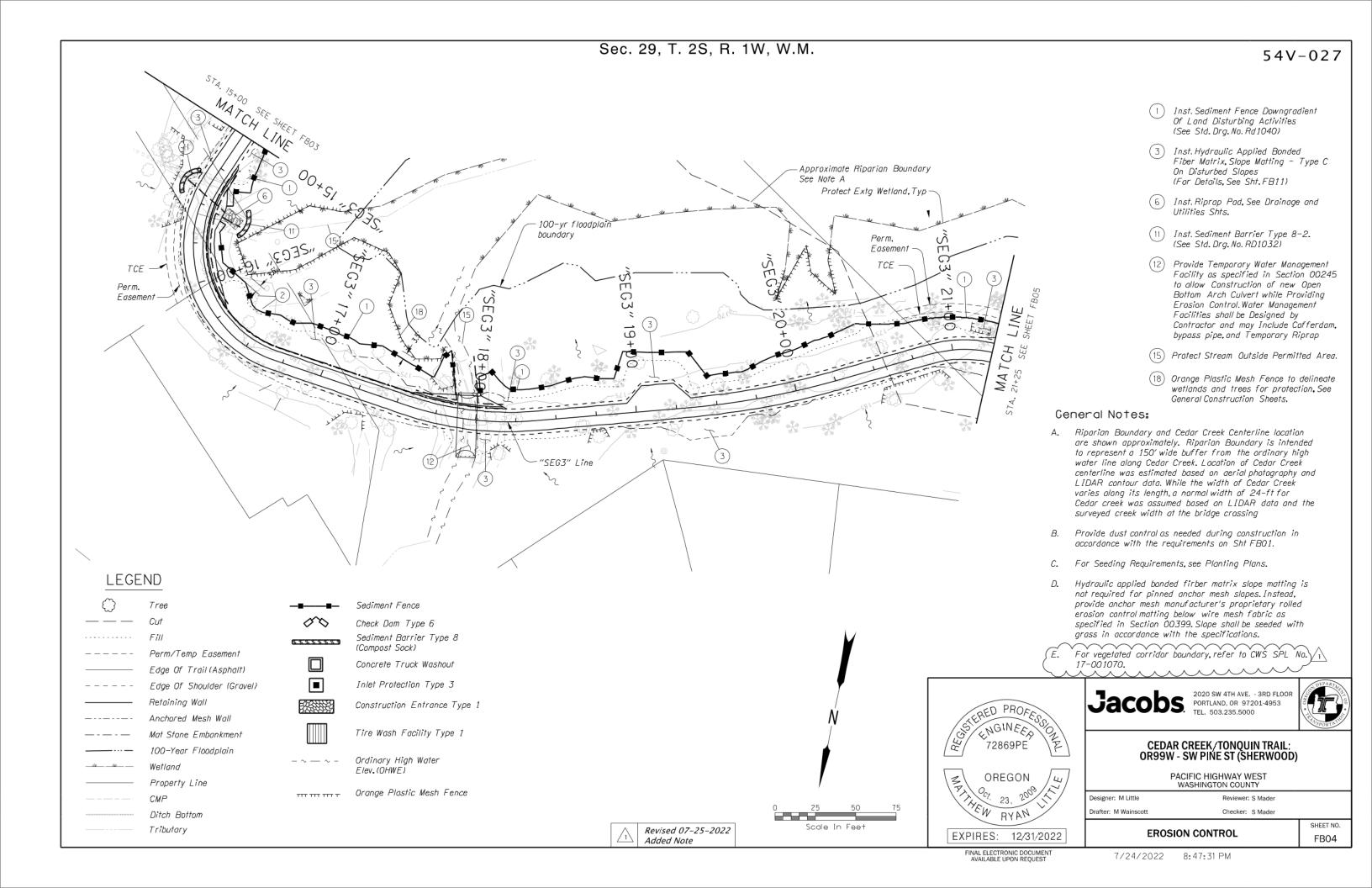


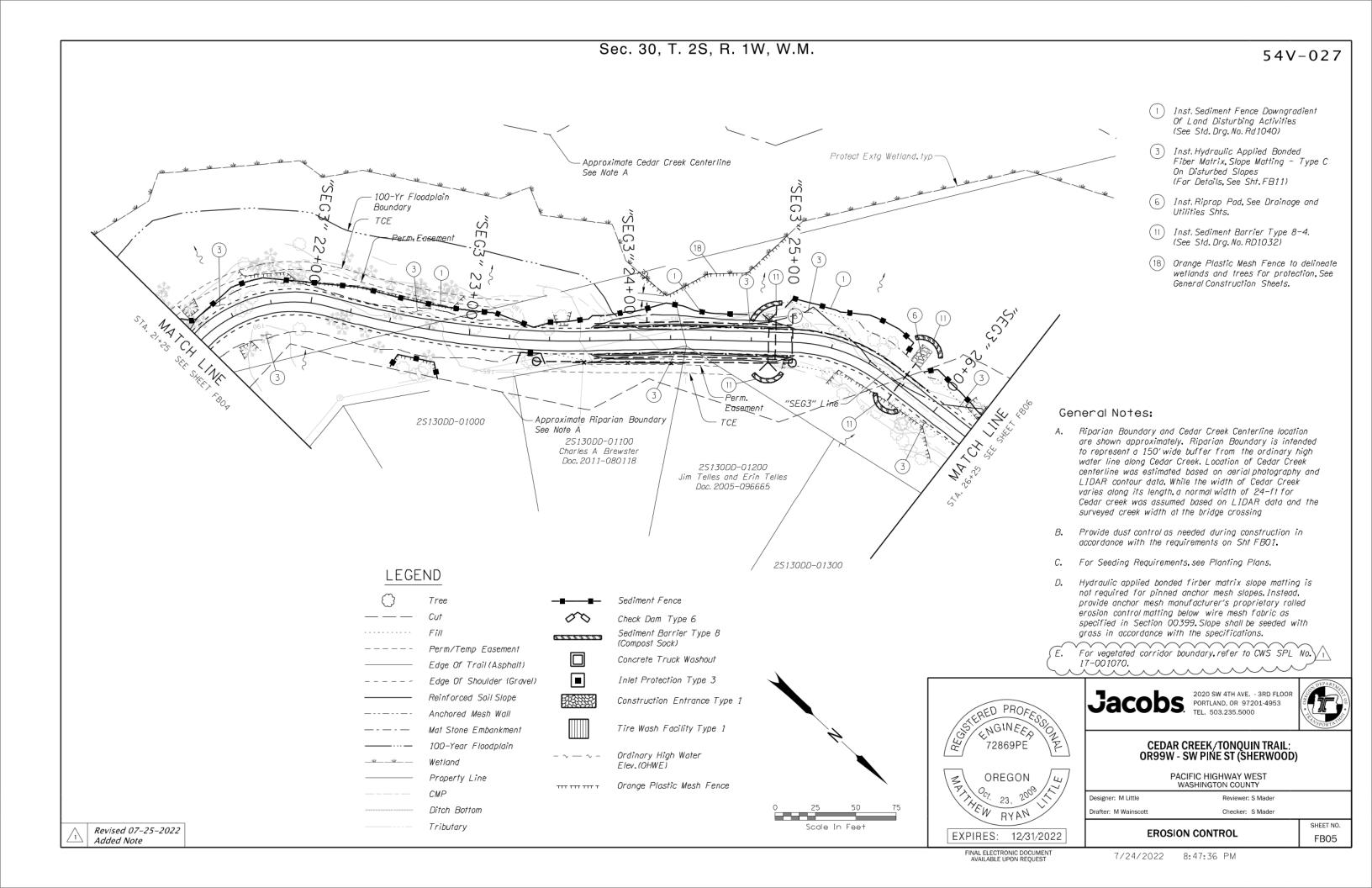
SHEET NO

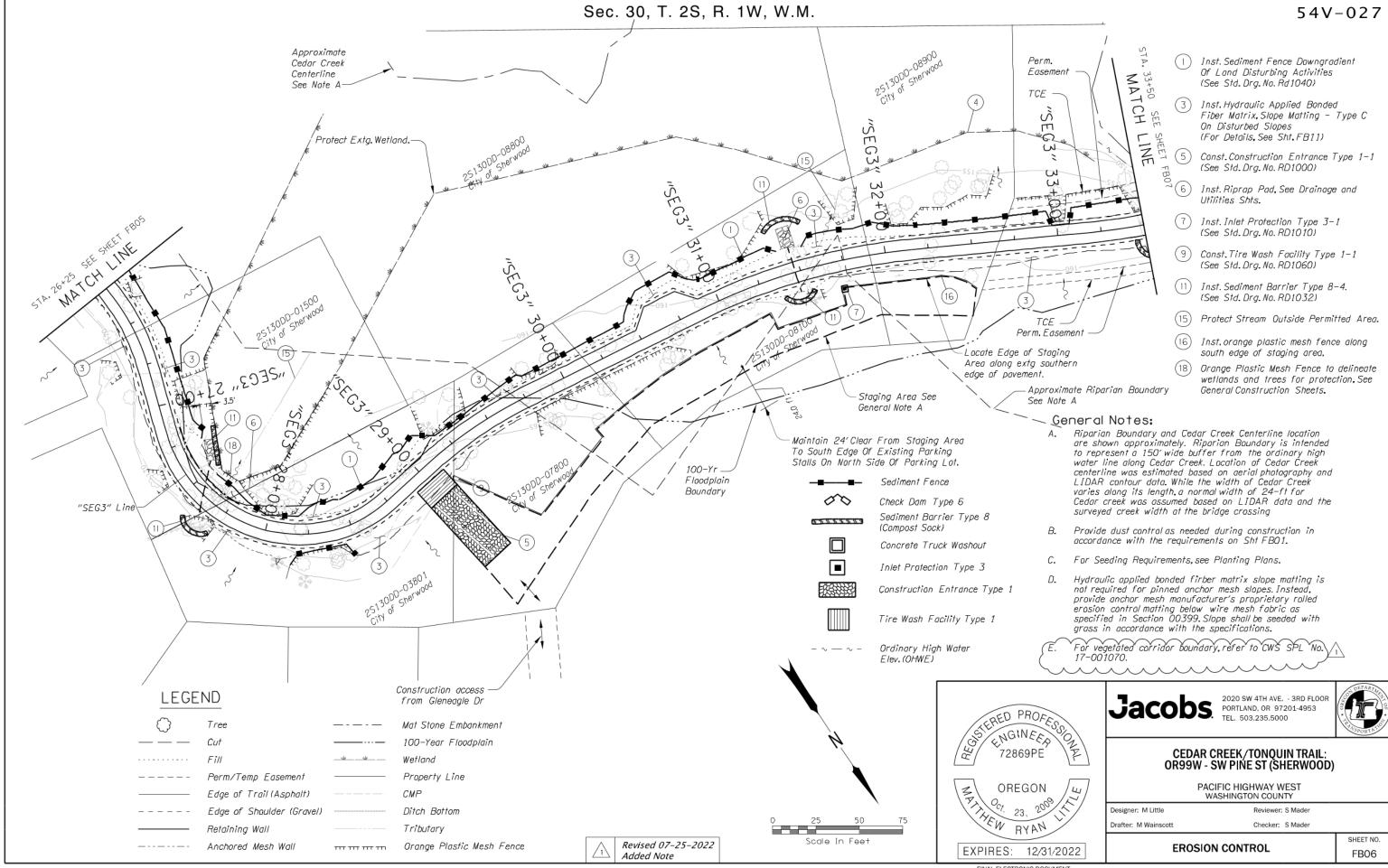
FB01

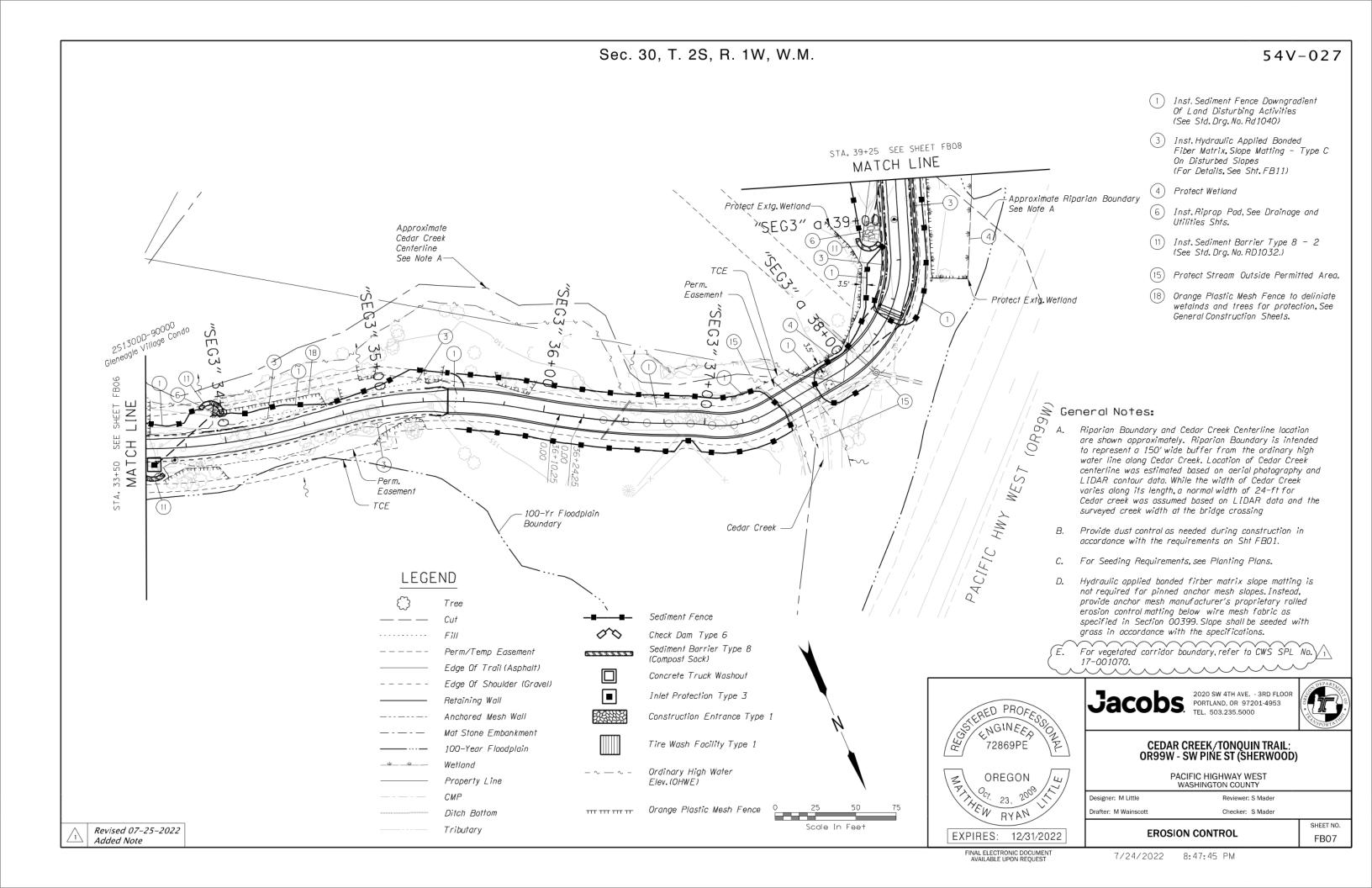


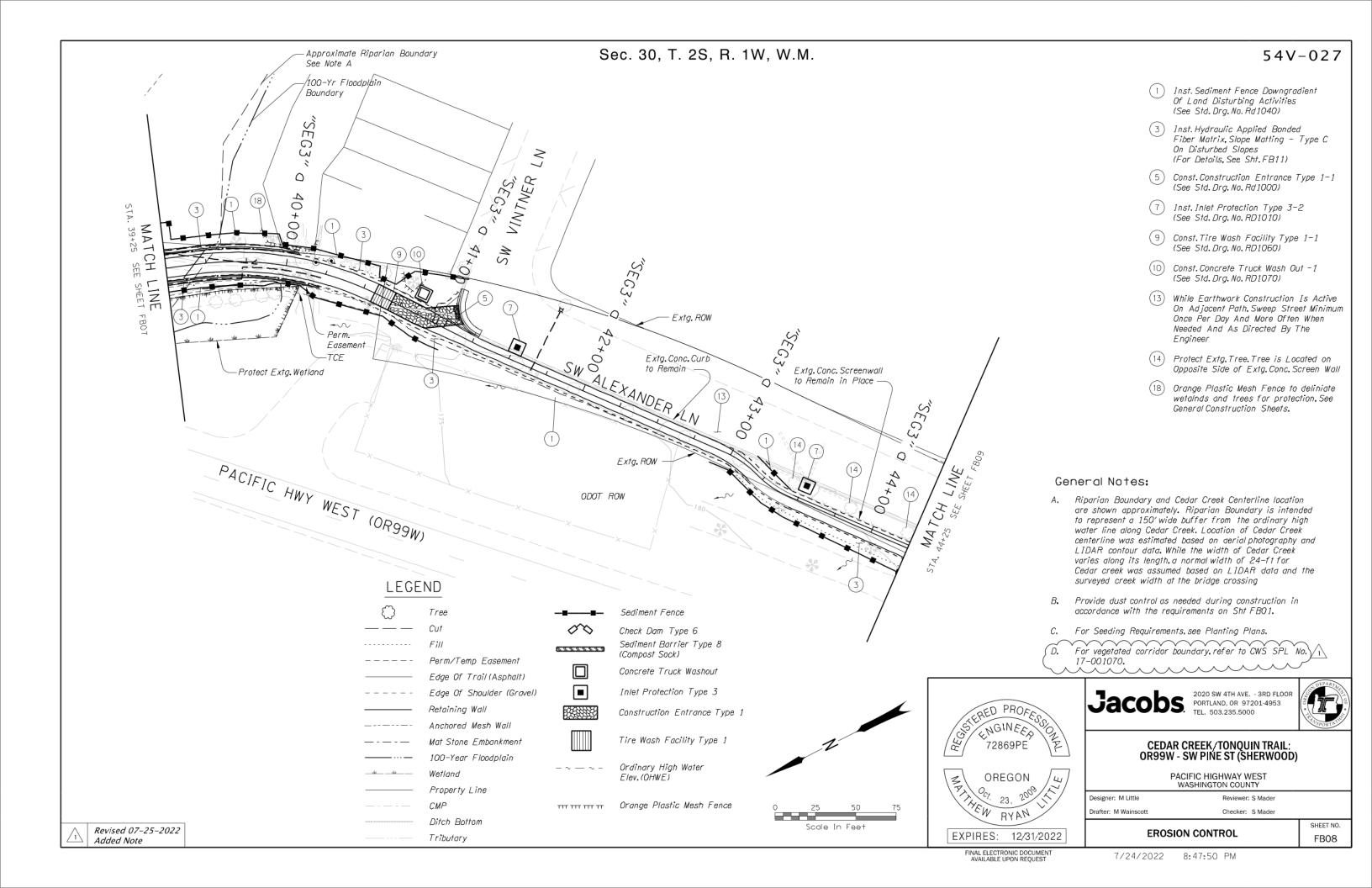


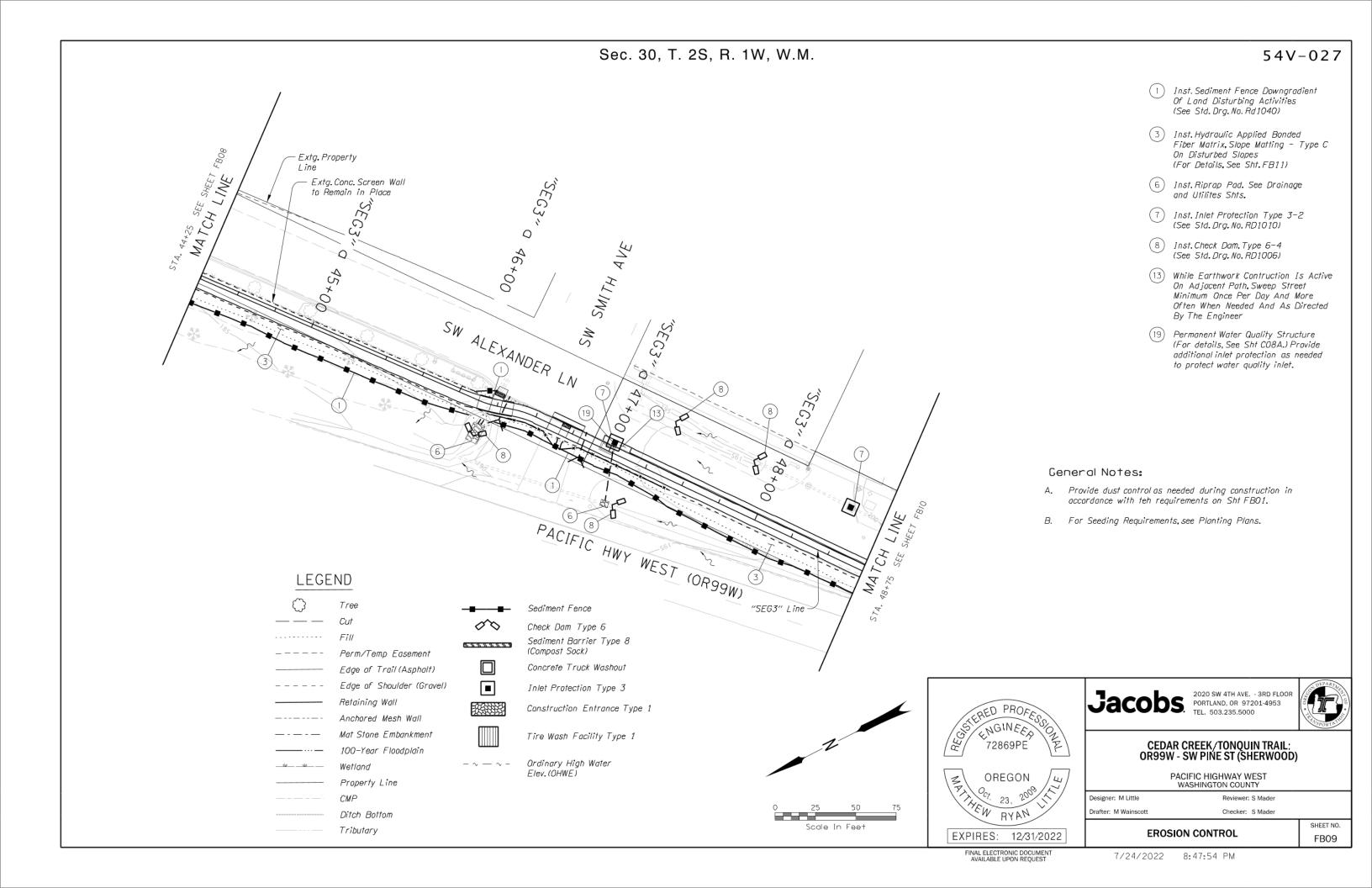




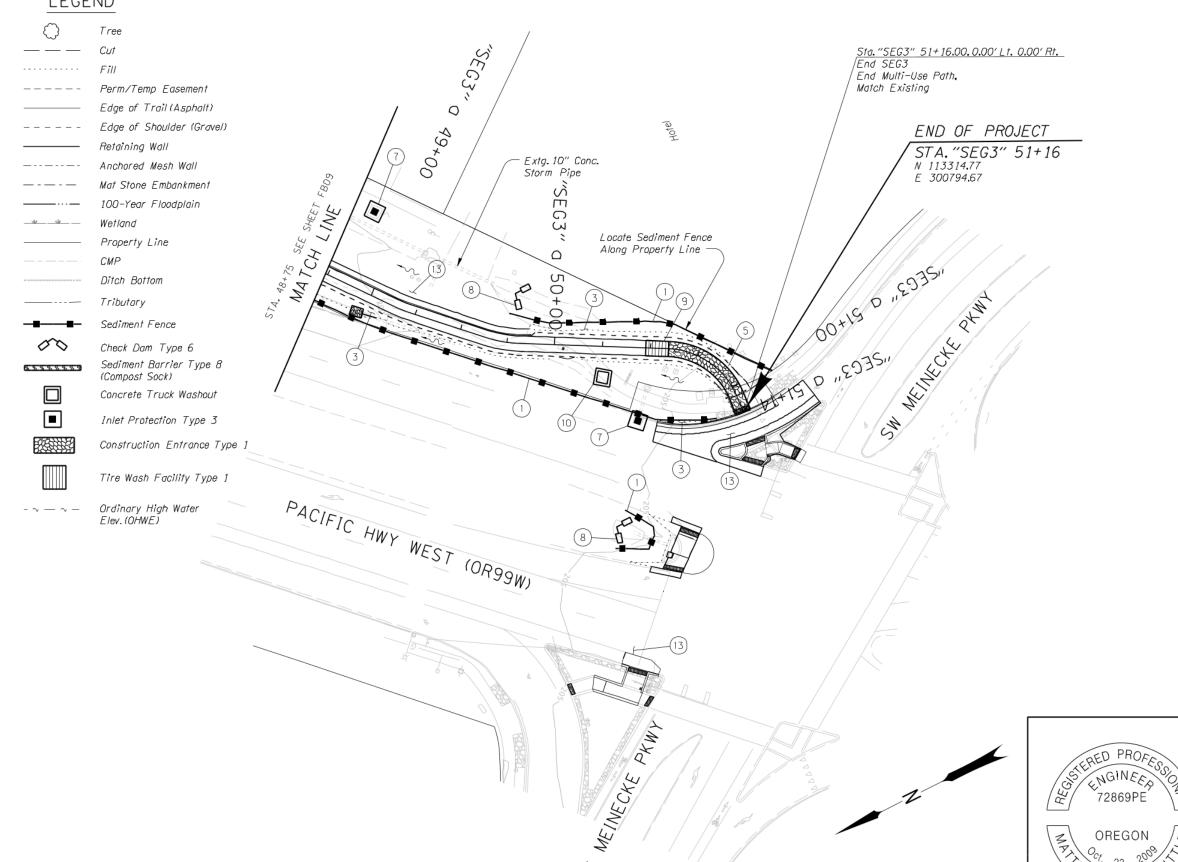












- Inst. Sediment Fence Downgradient
 Of Land Disturbing Activities (See Std. Drg. No. Rd 1040)
- (3) Inst. Hydraulic Applied Bonded Fiber Matrix, Slope Matting - Type C On Disturbed Slopes (For Details, See Sht. FB11)
- Const. Construction Entrance Type 1-1 (See Std. Drg. No. Rd 1000)
- Inst. Inlet Protection Type 3-2 (See Std. Drg. No. RD1010)
- Inst.Check Dam,Type 6-2 (See Std.Drg.No.RD1006)
- Const. Tire Wash Facility Type 1-1 (See Std. Drg. No. RD1060)
- (10) Const. Concrete Truck Wash Out -1 (See Std. Drg. No. RD1070)
- (13) While Earthwork Contruction Is Active On Adjacent Path, Sweep Street Minimum Once Per Day And More Often When Needed And As Directed By The Engineer

Genearl Notes:

- Provide dust control as needed during construction in Accordance with the requirements on Sht FB01.
- B. For Seeding Requirements, see Planting Plans.

Jacobs. 2020 SW 410 AVE. - SNO 120 PORTLAND, OR 97201-4953 TEL. 503.235.5000

2020 SW 4TH AVE. - 3RD FLOOR



SHEET NO.

FB10

CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)

PACIFIC HIGHWAY WEST WASHINGTON COUNTY

Designer: M Little Drafter: M Wainscott Checker: S Mader

EROSION CONTROL

OREGON

THEW RYAN

EXPIRES: 12/31/2022

Scale In Feet

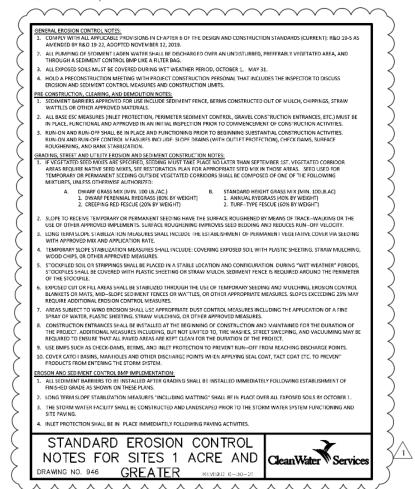
23, 2009

8:47:59 PM

7/24/2022

GENERAL EROSION CONTROL NOTES

Orange plastic mesh fence shall be UV stabilized orange high-density polypropylene mesh. Fence shall be minimum 4 feet high and supported with wood or steel post od sufficient strength and durability to last through the life of the project, the fence shall delineate the work boundary for the project near sensitive environmental areas outside of the which no work shall be conducted. Select fence from ODOT QPL list as specified in Section 00221.13.



Hydraulic applied bonded fiber matrix, slope matting - type C Hydroseed or pneumatically apply 1/4" fine compost with permanent seed and tackifier incorporated as specified in standard specification 01030.48(b)(2)b. 6"Topsoil, see note 2 Subgrade

01040.48(d) Notes

Surface to be weed-

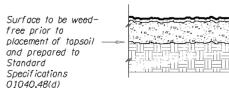
placement of topsoil and prepared to Standard

free prior to

Specifications

- Required for slopes 1:3 and steeper. See plans and specifications for other areas matting is required.
- Stockpile and utilize native topsoil. Amend soils as specified or import topsoil if native topsoil quantity is not sufficient.

APPLICATION - STEEP SLOPES, SHALLOW DITCHES & SWALES



Hydroseed or pneumatically apply 1/4" fine compost with permanent seed and tackifier incorporated as specified in standard specification 01030.48(bX2)b. 5" Topsoil, see note 1

(See RD1005 or RD1006)

Check dams

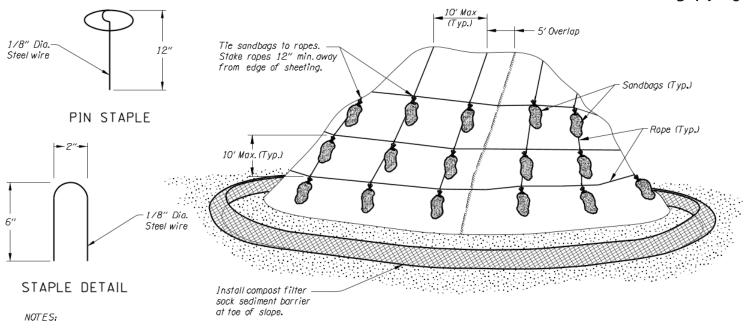
Subgrade

and toe of slope.

APPLICATION - TEMPORARY/PERMANENT VEGETATIVE COVER

Notes:

1. Stockpile and utilize native topsoil. Amend soils as specified or import topsoil if native topsoil quantity is not sufficient.



1. Install plastic sheeting vertically down slope.

STOCKPILE 2. Install plastic sheeting so edges overlap and are shingled away from prevailing winds. Trench and divert water to a Sandbags controlled and stabilized route WHI MAKAN WANTER WANTER WHITH Top of bank away from plastic sheeting. or slope Allow no water to go under 12" Min plastic sheeting. Overlap edges 12" and tightly tack Overlap down with staples or other manufacturers Use sandbags to anchor recommended means plastic sheeting at top

Plastic sheeting Install compost filter sock sediment barrier at toe of slope. (See RD1030)

SLOPES

Trench away water running off plastic.

TOP OF SLOPE TIE DOWN

PLASTIC SHEETING



2020 SW 4TH AVE. - 3RD FLOOR Jacobs. 5000 PORTLAND, OR 97201-4953 TEL. 503.235.5000

Compacted native backfill

in anchor trench.



SHEET NO

FB11

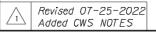
CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)

PACIFIC HIGHWAY WEST WASHINGTON COUNTY

Designer: M Little Reviewer: S Mader Drafter: M Wainscott Checker: S Mader

> **EROSION CONTROL DETAILS**

7/25/2022 8:23:54 AM



SEEDING AND TOPSOIL DETAIL