Construction Permit No: ROW-CONST-2023-0003.5

Effective Date: November 1, 2024

MULTNOMAH COUNTY DEPARTMENT OF COMMUNITY SERVICES TRANSPORTATION PLANNING AND DEVELOPMENT PROGRAM

Construction Permit

October 28, 2024		
Under the provisions of Multnomah County Code ("MCC") Sections 27.055, 27.056, 29.506, and 29.572, and Multnomah County Road Rules ("MCRR") 18.200, this Construction Permit (the "Permit") is hereby issued by Multnomah County Transportation Planning and Development Program ("County") to:		
PORTLAND WATER BUREAU		
$1120 \text{ SW } 5^{\text{TH}} \text{ AVE, RM } 405, \text{ PORTLAND, OR } 97204$		
CONTACT: ROBERT FRALEY		
CONTACT PHONE: 503-823-3573		
CONTACT EMAIL: Robert.fraley@portlandoregon.gov		

("Developer"). This Permit is issued for the construction of the improvements within the County controlled rights-of-way or easements, as described in EXHIBIT A, attached hereto and made a part of this document.

A. General Permit Requirements:

- 1. The County shall approve all plans, drawings, and other design documents prior to the construction of any improvements as described in the Exhibit A.
- 2. NO PARTIAL IMPROVEMENTS SHALL BE CONSTRUCTED WITHIN THE COUNTY RIGHT-OF-WAY.
- 3. ANY EXCAVATION, ROCKING, OR PAVING SHALL ONLY BE ALLOWED AS A PART OF A CONTINUOUS, TIMELY OPERATION TOWARD COMPLETION OF THE WORK AS DESCRIBED IN THE EXHIBIT "A." NO PAVING SHALL BE ALLOWED UNTIL ALL CURB, EXCAVATION, ROCK, DRAINAGE, AND UTILITY WORK, HAS BEEN COMPLETED WITHIN THE AREA TO BE PAVED, AND THEN ONLY AS A PART OF THE CONTINUOUS, TIMELY COMPLETION OF THE ENTIRE PAVING PROJECT, AS SHOWN ON THE APPROVED PLANS.
- 4. The County reserves the right to prohibit any further connections, withhold occupancy permits, or remove or block any existing connections between the facilities covered by this Permit and adjacent properties, if the Developer does not provide or complete all items of this Permit to the County's satisfaction.

- B. The County agrees to do the following:
 - 1. Establish the amounts of the Administration Fee, Performance Guarantee, and Maintenance Guarantee.
 - 2. Review plans, drawings, and other design documents for conformance with design and drafting criteria. Upon approval of the plans, provide the Developer with copy sets of plans and specifications, and schedule a pre-construction meeting.
 - 3. Establish a reasonable length of time for construction activities within the right-of-way. Issue "First Notification" to authorize the beginning of construction activities, and start the calendar day count
 - 4. Issue "Second Notification" to stop the calendar day count if the County deemed the project to be substantially complete in accordance to the contract documents so that the work can used for its intended purpose.
 - 5. Perform all required final construction supervision, inspection, and testing if needed.
 - 6. Inspect completed facility for acceptance of construction work, and if facilities are accepted issue the "Third Notification" to release the Performance Guarantee.
 - 7. Conduct final inspection prior to expiration of Maintenance Guarantee, and if facilities are accepted issue the "Fourth Notification" to release the Maintenance Guarantee.
 - 8. Administration required for processing and accepting facility as a County or Service District maintained facility, where applicable.

C. The Developer agrees to do the following:

- 1. Deposit with the County an Administration Fee, of <u>\$ See Exhibit A</u> prior to scheduling the pre-design meeting. Following acceptance by the County of the completed improvements, this fee may be adjusted up or down to reflect the actual costs incurred by the County. Over-payment will be refunded to the Developer. Under-payment will result in billing the Developer for the difference between the actual costs incurred and the initial fee.
- 2. Before issuance of the "First Notification" provide to the County a properly executed Performance Guarantee in the amount of **See Exhibit A**. This guarantee shall be submitted to the County Engineer. The Performance Guarantee shall guarantee the completion of the improvements described in Exhibit A and shall remain in full force and effect until the Developer receives the "Third Notification" or termination of this Construction Permit whichever comes first.
- 3. Before issuance of the "Third Notification" provide to the County a properly executed Maintenance Guarantee, in the amount of <u>See Exhibit A</u>. The guarantee shall be submitted to the County Engineer. The guarantee shall not expire for two (2) years from date Developer receives the "Third Notification" or receives the "Fourth Notification", whichever comes later. The Maintenance Guarantee shall guarantee the repair or replacement of any improvements constructed under this permit which become unsatisfactory to the County because of workmanship or materials used during their

construction or that are damaged by project workmen or equipment completing the related adjacent construction.

- 4. Complete all construction activities, to include all "As-Built" information, within eighteen (18) months of the issuance date of the "Third Notification".
- 5. Obtain the services of a consulting Engineer, registered in the state of Oregon, WHO WILL BE FURNISHED A COPY OF THIS PERMIT BY THE DEVELOPER. The Developer or Consultant shall furnish to the County a fully executed "Consulting Engineer's Statement" (see attachment), AND SCHEDULE A PRE-DESIGN MEETING WITH THE COUNTY PRIOR TO COMMENCING ANY DESIGN WORK. If Developer should change consulting engineers prior to acceptance of plans a new fully executed "Consulting Engineer's Statement" must be furnished to the County before the project can continue. Any compensation paid to the Engineer for services rendered in performance of Developer's obligations under this Permit may not be included as part of the Administration Fee.
- 6. Convey all right-of-way dedications and easement dedications as required by this Construction Permit to the appropriate governing body, free of all encumbrances, before issuance of the "First Notification."
- 7. Developer shall defend, save, hold harmless, and indemnify County and its officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs, and expenses of any nature whatsoever, including attorney fees, resulting from, arising out of, or relating to the activities of Developer or its officers, employees, agents, contractors, subcontractors under this Permit. Developer shall have control of the defense and settlement of any claim that is subject to this paragraph. However, neither the Developer nor any attorney engaged by the Developer shall defend the claim in the name of the County or any department of the County, nor purport to act as legal representative of the County or any of its departments without receiving from the Multnomah County Attorney's Office, authority to act as legal counsel for the County, nor shall Developer settle any claim on behalf of the County without the approval of the Multnomah County Attorney's Office. County may, at its election and expense, assume its own defense and settlement.
- D. Developer shall ensure that any Consulting Engineer ("Engineer") retained by the Developer to provide services under this Permit complies with the following requirements:
 - 1. The Engineer must work directly with the County Engineer, and provide engineering services in the same manner as if the Engineer had been retained by the County.
 - 2. Design the project, including complete plans and specifications, in conformance with MCC 29.500, the Multnomah County Design and Construction Manual, and design standards adopted thereunder. All plans submitted for review shall be submitted on 24 inch by 36 inch sheets. Plans shall be produced using English units and quantities.
 - 3. Perform or obtain all survey work according to County standards, as required for design and construction of the project. Perform any additional construction staking or material testing as directed by the County. The Engineer shall document any changes to the approved design that occur during construction, and submit any additional work required for preparation of "as-built" plans.

- 4. After production of "as-built" plans, the Engineer shall provide to the County an electronic copy of the drawings, to include the base topographic survey data, with the "as-built" mylars.
- 5. Detail on the plans items of esthetic or historic significance, including trees, inside the right-of-way or within ten (10) feet of the right-of-way line that may be disturbed or destroyed by the project.
- 6. Detail on the plans all underground utilities to be constructed as part of this Permit as a composite utility plan. All information is to be furnished by the respective utilities, and approved by them.
- 7. Obtain DEQ and appropriate city approval of sanitary sewers, if applicable, and furnish copy of approval to the County prior to the County's approval of plans.
- 8. The Engineer shall make all changes to the plans as may be required for County approval of the plans. After all changes have been made, the Engineer shall submit a stamped and signed plans either electronically or on double mat mylar or photocopied mylars on double mat mylars and one set of 11 inch by 17 inch paper. If mylars are hand produced or pen plotted, mylars are to be produced in black ink.
- E. Developer shall ensure that any Construction Contractor ("Contractor") retained by the Developer to provide services under this Permit complies with the following requirements:
 - 1. Before the pre-construction meeting, Contractor shall notify all affected utilities and coordinate their work within the project.
 - 2. At the time of the pre-construction meeting, the Contractor shall provide to the County the following documents:

Traffic control plans

Insurance Certificate with Multnomah County as additional insured

Construction work schedule

List of contractors' contact numbers for emergencies

List of subcontractors

List of material suppliers

Gradation, Abrasion, Sand Equivalent, Fracture, and Degradation Tests for Aggregate

Mix Design for Concrete and Asphalt

Material Certifications

All documents shall conform to the requirements of the current ODOT Oregon Standard Specifications for Construction.

- 3. All activities, including work to be performed and materials to be used in the performance of work as described in the Exhibit/s, shall conform to the current ODOT Oregon Standard Specifications for Construction except as modified by Multnomah County Special Provisions.
- 4. Maintain all erosion control measures at all times.

5. Complete all construction activities within the right-of-way within the period specified in the "First Notification" and complete any corrective work as detailed in the "Second Notification" within twenty (20) calendar days from the date of the "Second Notification". Failure to meet these deadlines shall be grounds for the County to proceed under Section F (2) of this Permit.

F. Time Extension/Forfeiture

- 1. The County may, in its sole discretion, grant time extensions to the time limits described in this Permit. Any request for a time extension shall be in writing, and state the reasons for the extension. An approved extension may require an additional Administration Fee and may also require a new Performance Guarantee in an increased amount necessary to cover current estimated construction costs. Before the County grants any time extension, the Developer shall furnish proof that all Fees and Guarantees have met the requirements of Sections C (1) and C (2) for the new date being requested.
- 2. The County may, in its sole discretion, require forfeiture of the Performance Guarantee and complete the project for any of the following:
 - a) Failure to complete construction by the date established in Section C (4)
 - b) Failure to complete construction activities within the time limit established in the "First Notification."
 - c) Failure to complete the corrective work within 20 calendar days of the date of the "Second Notification."
 - d) Failure to abide by the other terms of this Permit.
- 3. If the Performance Guarantee is insufficient to reimburse the County for its costs to complete the project under paragraph 2 of this section, the County shall bill the Developer for any excess costs.

I (We) have read and hereby accept the terms of this Construction Permit.	
By Wavid Peters	10/29/2024
Developer	(Date)
David Peters	
Developer (Print Name)	Tax ID No.
Accepted for Multnomah County, Oregon By Brad Choi Digitally signed by Brad Choi Digitally sign	10/31/2024
Brad Choi, PE	(Date)
Transportation Development Manager	
Ву	11/1/2024
Jon Henrichsen, PE	(Date)
Transportation Division Director	

Construction Permit No: ROW-CONST-2023-0003.5

Effective Date: November 1, 2024

EXHIBIT "A"

To make frontage/road improvements as part of the Notice of Decision document T3-2022-16220 Hearings Officer's Decision and fulfills the following Conditions of Approval D.5.c, D.6.g, D.6.h, D.6.i, D.7, D.8, D.9, E.1.e, E.1.f, E.1.h, E.1.i, E1.j, E1.k, E1.l, E.1.m, E1.n, E1.o, E1.p, E1.q, and E1.r.

The improvements are to consist of the following:

1. Road improvements as shown in the Phase 3 – Water Main Construction Plan.

Furnish Administration Fee in amount of <u>\$ See Exhibit B - Memorandum</u> (please see Section C (1) of Construction Permit). Administration Fee must accompany signed Project Permit. If writing a check, please make check payable to: MULTNOMAH COUNTY.

Furnish Performance Guarantee in amount of <u>\$ See Indemnity Agreement</u> (please see Section C (2) of Construction Permit).

Furnish Maintenance Guarantee in amount of <u>\$ See Indemnity Agreement</u> (please see Section C (3) of Construction Permit).

Both the Performance Guarantee and the Maintenance Guarantee can be provided in the form of an indemnity agreement between the City and County in a form approved by the County Attorney.

EXHIBIT B - MEMORANDUM

Department of Community Services
Land Use and Transportation Program
http://multco.us/roads



1620 SE 190th Avenue, Portland Oregon 97233-5910 • PH. (503) 988-5050 • Fax (503) 988-3419

To: Portland Water Bureau

c/o Robert Fraley

From: Rick Buen, P.E.

Engineer 2

Date: October 20, 2024

Subject: Bull Run Construction Permit Admin Fee - Permit #CONST-2023-0003.5

In connection with the Bull Run Filtration Project (BRFP) construction permit processing, Multnomah County would like to inform you that the County will not be collecting Administration Fee for this permit. The County has collected \$655,427.00 fees for cost recovery of time that the County staff and its consultant aiding the County in processing this BRFP permit during its review and construction phase.

As mentioned in the Construction Permit Section C.1, over-payment will be refunded and under-payment will be billed to Portland Water Bureau.

Please feel free to contact me if you have any questions.

Thank you.

essica Berry

Jessica Berry, AICP

Transportation Division

Deputy Director

INDEMNITY AGREEMENT IN LIEU OF PERFORMANCE AND MAINTENANCE BONDS

PROJECT TITLE: Portland Water Bureau (PWB) Filtration Project PUBLIC STREET IMPROVEMENTS

BACKGROUND

- A. The City of Portland ("<u>City</u>"), acting by and through its Portland Water Bureau, is building a new filtration facility, raw water pipelines, finished water pipelines, a communications tower, and various additional pieces of associated infrastructure (collectively, the "<u>Project</u>") as described in the County Hearings Officer's Decision in the matter of T3-2022-16220, issued and mailed 11/29/2023 (the "<u>Land Use Decision</u>").
- B. The City has applied or will apply to Multnomah County ("<u>County</u>") for permits (collectively, the "<u>Permits</u>") to construct those public street and stormwater improvements in County right-of-way that were contemplated in the Land Use Decision (collectively, the "<u>ROW Improvements</u>"). The Permits include, without limitation, Permit No. ROW-CONST-2023-0003, which is currently under review by the County.
- C. The County will issue the City's Permits pursuant to Multnomah County Code (the "MCC") Chapters 27 and 29, and the Multnomah County Road Rules (the "MCRR").
- D. Upon approval of the City's permit applications, the County Engineer will issue the Permits for the ROW Improvements subject to certain terms and conditions in each permit.
- E. In consideration of the City entering this Indemnity Agreement In Lieu of Performance And Maintenance Bonds (this "<u>Agreement</u>"), the County is willing to waive the performance and maintenance bonds that would typically be required for each of the Permits under MCRR Section 18.
- F. All other terms and conditions of the Permits are to remain unaffected by this Agreement.

AGREEMENT

 Subject to the limitations and conditions of the Oregon Constitution and the Oregon Tort Claims Act (ORS 30.260 to 30.300), including (without limitation) specifically subject to and within the financial limits and conditions set forth at ORS 30.272 for local public bodies and at ORS 30.273 for public bodies, the City shall fully indemnify, hold harmless, and defend the County and its officers, agents, and employees from and against all claims, suits, actions, damages, or losses of whatsoever nature, and all expenses and costs

Indemnity Agreement
PWB Filtration Project Public Street Improvements
Page 1 of 3

incidental to the investigations and defense thereof (including reasonable attorney fees), brought against any or all of them resulting from or arising out of the acts or omissions of the City or its contractors (including their officers, employees, and agents) in connection with or arising out of the ROW Improvements, the Permits, or of the maintenance of the work associated therewith.

- 2. The City will promptly repair to the written satisfaction of the County, which shall not be unreasonably withheld, all damage to public streets or infrastructure resulting from or arising out of the acts or omissions of the City or its contractors (including their officers, employees, and agents) in connection with or arising out of the ROW Improvements, the Permits, or the maintenance of the work associated therewith. The County may notify the City of such damage in writing. The City will promptly repair such damage to the written satisfaction of the County, which shall not be unreasonably withheld. "Promptly" means within thirty (30) calendar after receipt of such written notification or, in the case of damage that cannot with due diligence be repaired within a period of thirty (30) calendar, commencement of the steps necessary to repair the damage within that thirty (30) calendar day period and diligently prosecute the same to completion. If the City fails to repair the damage as required in this paragraph, the County may repair the damage and the City will promptly pay the County's written invoices for costs therefor.
- 3. If the City or its contractors fail to complete the ROW Improvements in accordance with the terms and conditions of the Permits and to the written satisfaction of the County, the County may engage a contractor in accordance with the County's procurement procedures to complete the ROW Improvements in accordance with the terms and conditions of the Permits. Before engaging the contractor, however, the County shall give the City written notice of the failure to complete the ROW Improvements in accordance with the terms and conditions of the Permits and of the County's intent to engage a contractor to complete the ROW Improvements, and shall allow the City a reasonable time of not less than thirty (30) calendar days to cure, or to undertake to cure if the cure would take longer than thirty (30) calendar days, the failure to complete the ROW Improvements in accordance with the terms and conditions of the Permits. Upon written request from the County, the City shall promptly reimburse the County for reasonable costs incurred by the County to complete the ROW Improvements pursuant to this paragraph.
- 4. The City agrees to pay within thirty (30) days' of written demand from the County any engineering fees that exceed the amount the City has previously tendered to the County for the Project.
- 5. The County waives the performance and maintenance bond requirements that would otherwise apply to the Permits for the ROW Improvements. All other terms and conditions of the Permits are unaffected by this Agreement.
- 6. Nothing in this Agreement shall alter the City's duty to abide by the requirements of the MCC, MCRR, and any other applicable law, regulation, and policy.

Indemnity Agreement

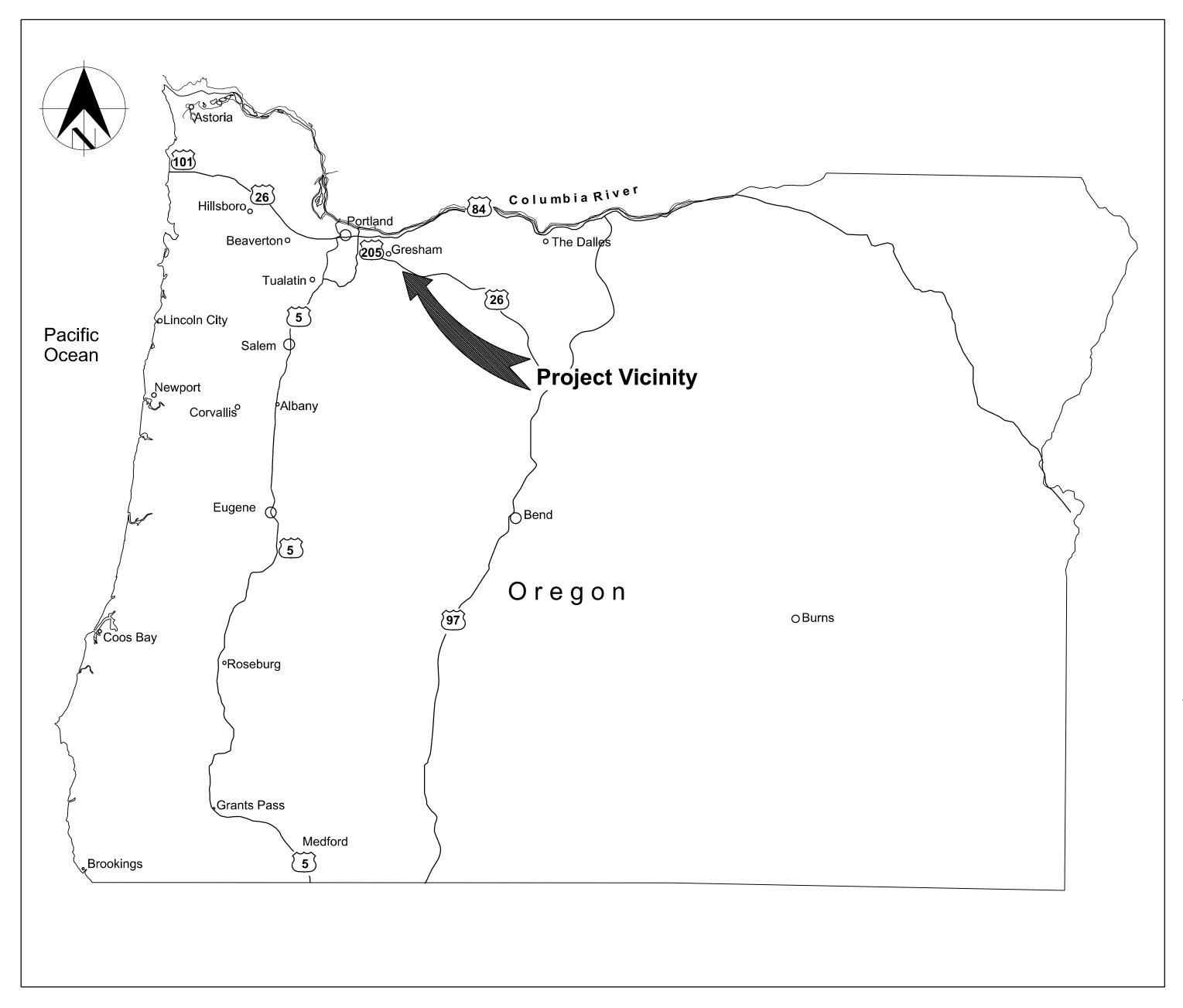
PWB Filtration Project Public Street Improvements

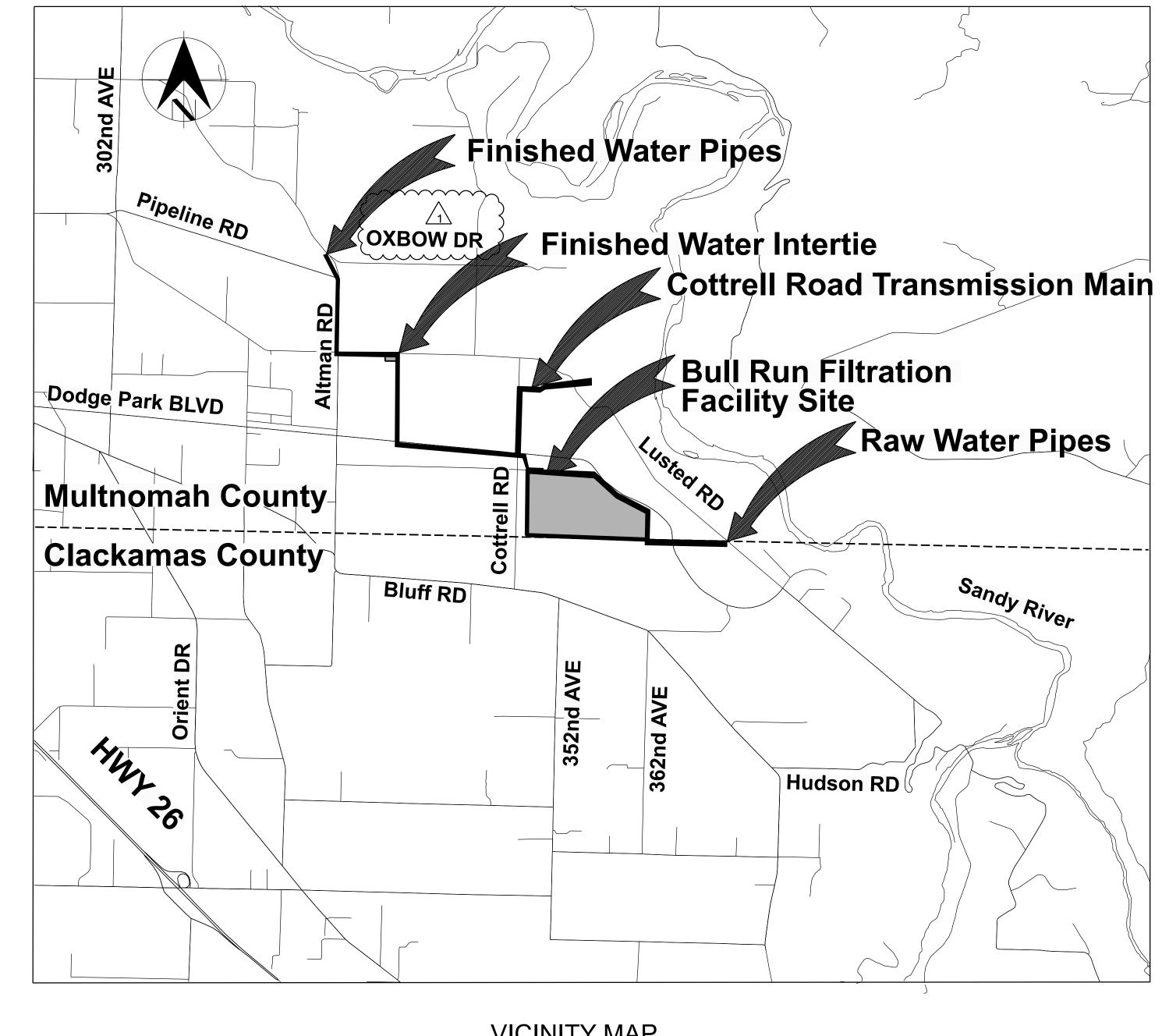
Page 2 of 3

7. The terms of this Agreement will survive the expiration or termination of the Permits and the completion of the ROW Improvements, provided, however, that, as to any specific Permit, this Agreement shall automatically expire and be of no further force and effect on the date which is two (2) years after the date that the City receives from the County the "Third Notification" or receives the "Fourth Notification", whichever comes later, as each such term is defined in such Permit. The remainder of this page is intentionally blank.

Page 3 of 3

City of Portland	Multnoman County
DocuSigned by: Caty Engineer	By:
Portland Water Bureau	Title:
Date: 6/12/2024	
Approved as to Form:	Approved as to Form:
Maja & Haium City Attorney	Cowfuey Lords 388A1PFEA9394A7 General Counsel





MULTNOMAH COUNTY
TRANSPORTATION DIVISION

ACCEPTED

ACCEPTED WITH COMMENTS

APPROVED

APPROVED

APPROVED AS NOTED

DOCUMENTS BEARING THIS STAMP ARE SUBJECT TO THE PROVISIONS SET FORTH IN SECTION 00150 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION THAT ARE ACTIVE FOR THIS PROJECT. REVIEW IS ONLY FOR EXTEND TO MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES OF CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH CONTRACT DOCUMENTS. DIMENSIONS AND FABRICATION TO BE CONFIRMED AND COMPLETED AT THE JOB SITE FOR PROCESSES AND COMPLIANCE WITH CONTRACT DOCUMENTS. DIMENSIONS AND FABRICATION TO BE CONFIRMED AND COMPLETED AT THE JOB SITE FOR PROCESSES AND COORDINATION OF THE WORK OF ALL TRADES AND SATISFACTORY WORK PERFORMANCE.

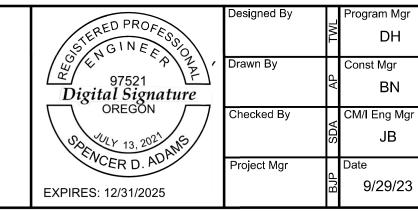
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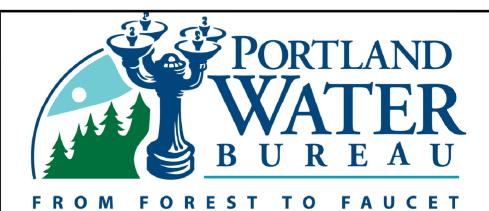
VICINITY MAP

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Jacobs









Bull Run Filtration Pipelines SAP Project No W02563

GENERAL

LOCATION AND VICINITY MAP

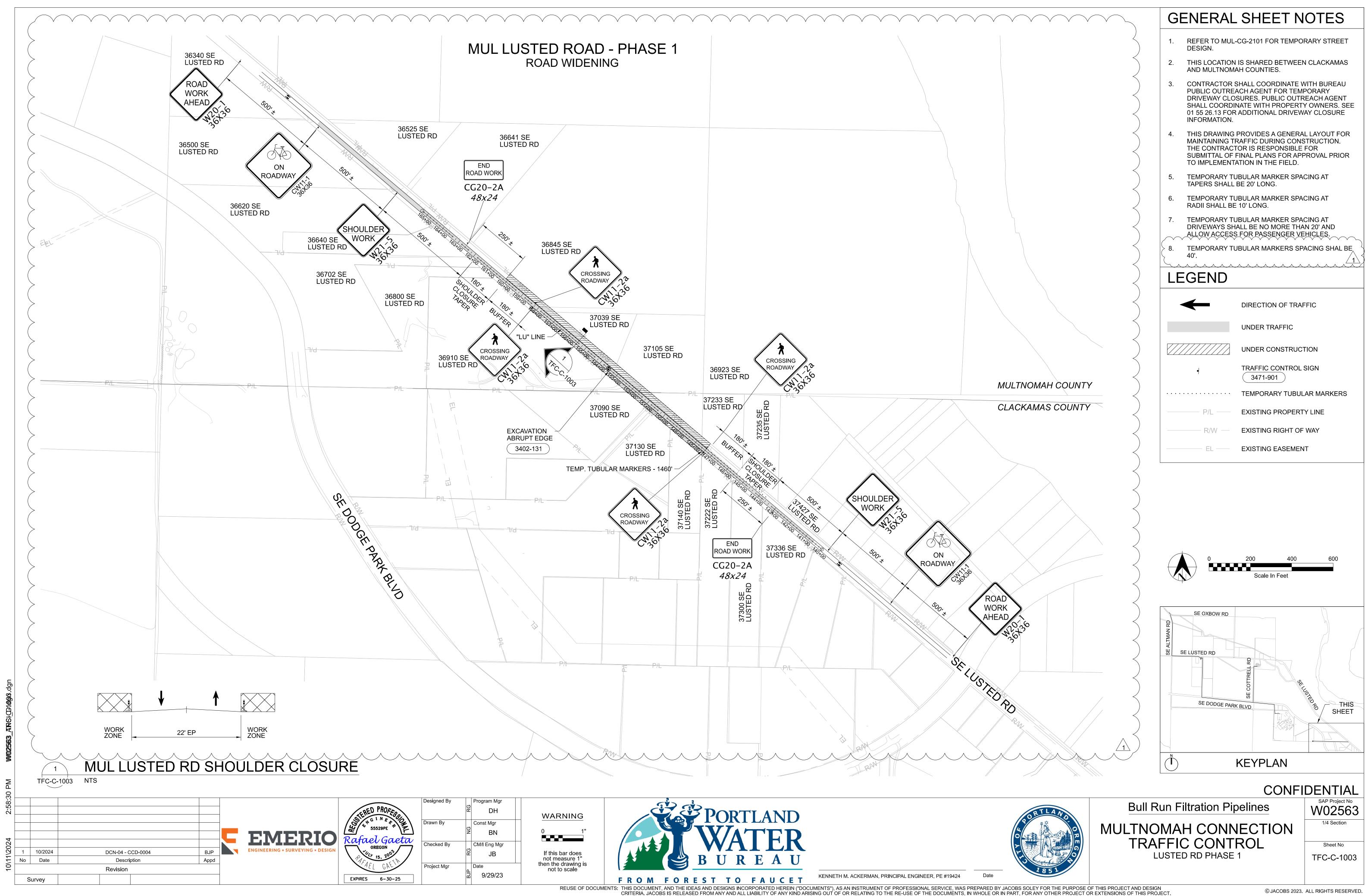
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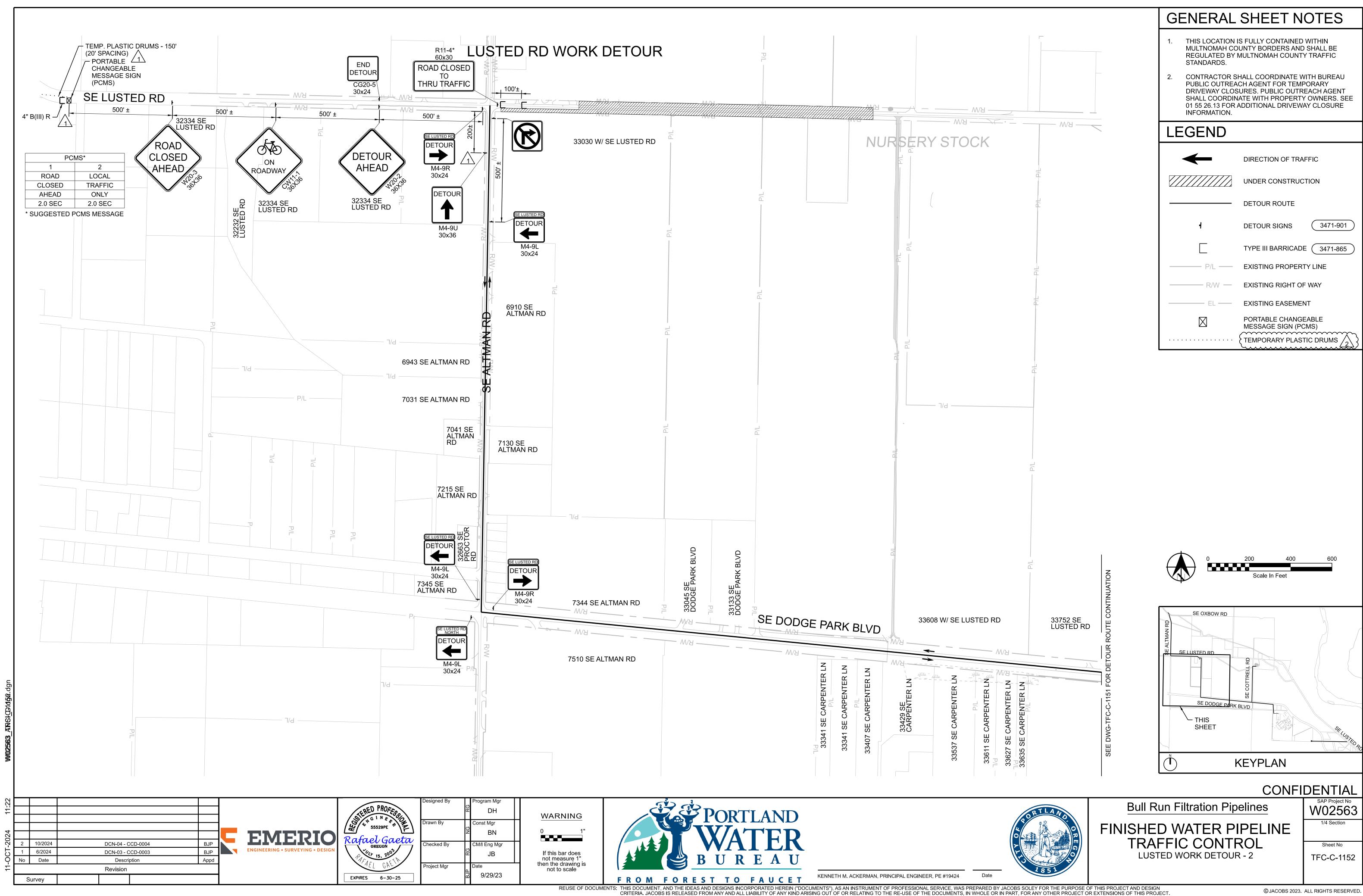
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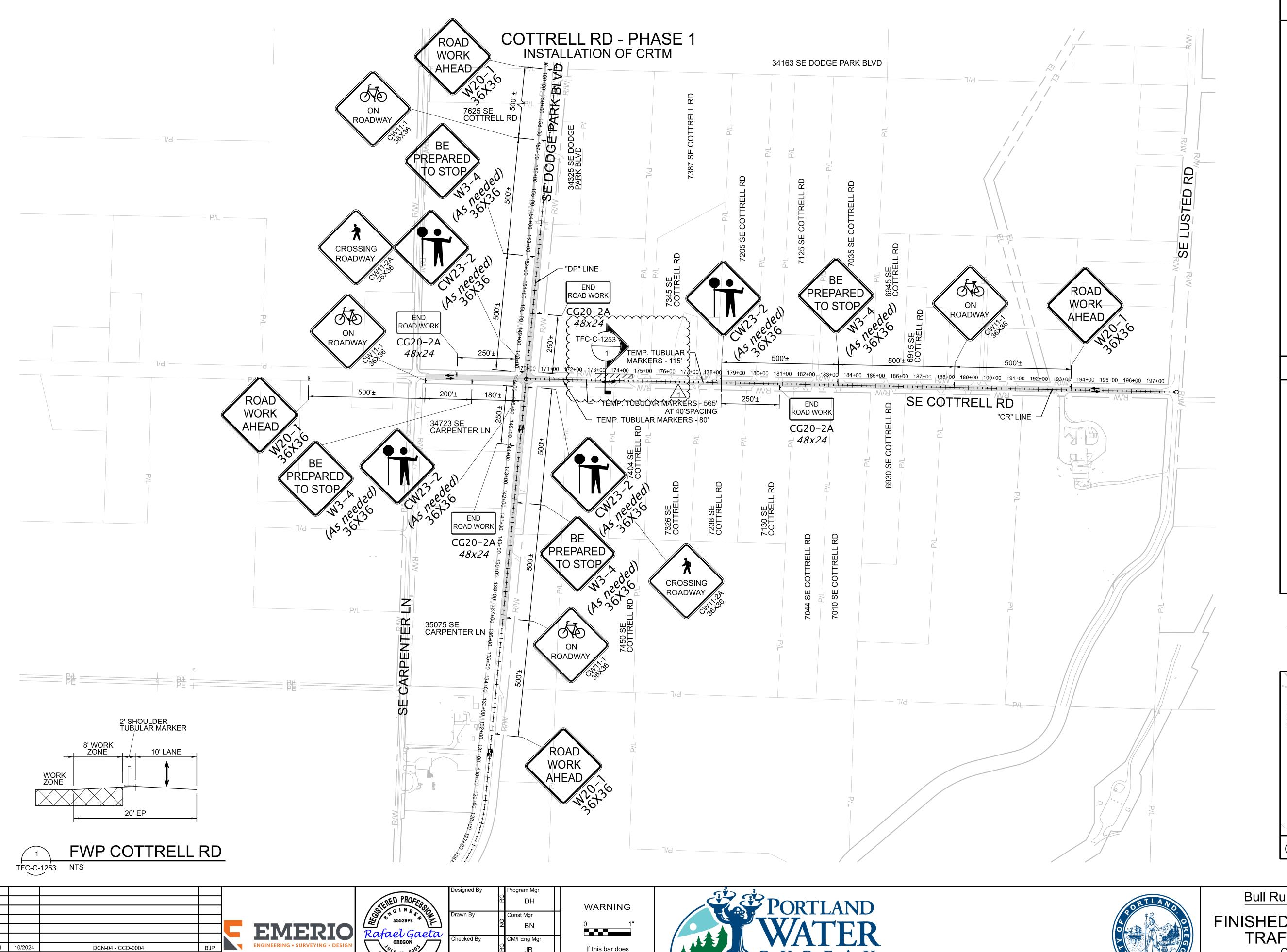
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REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ("DOCUMENTS"), AS AN INSTRUMENT OF PROFESSIONAL SERVICE, WAS PREPARED BY JACOBS SOLEY FOR THE PURPOSE OF THIS PROJECT AND DESIGN CRITERIA. JACOBS IS RELEASED FROM ANY AND ALL LIABILITY OF ANY KIND ARISING OUT OF OR RELATING TO THE RE-USE OF THE DOCUMENTS, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT OR EXTENSIONS OF THIS PROJECT.

KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424







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9/29/23

Date

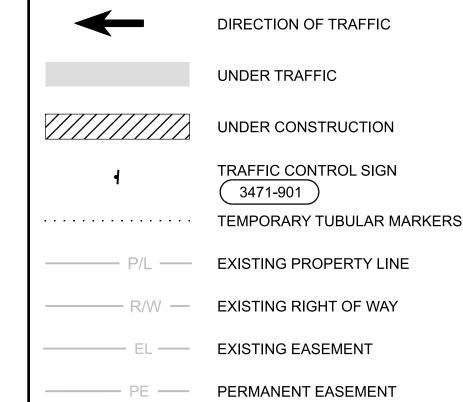
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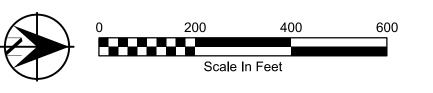
Revision

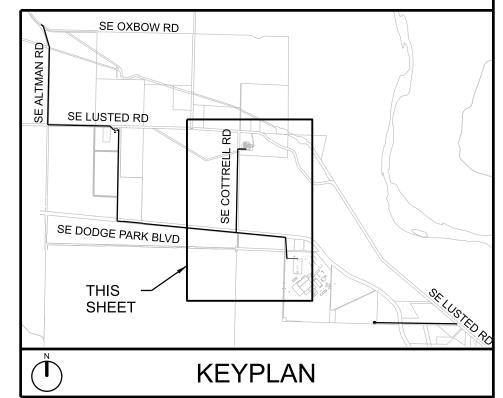
GENERAL SHEET NOTES

- REFER TO FWP-CG-2132 FOR TEMPORARY STREET DESIGN.
- THIS LOCATION IS FULLY CONTAINED WITHIN MULTNOMAH COUNTY BORDERS AND SHALL BE REGULATED BY MULTNOMAH COUNTY TRAFFIC STANDARDS.
- CONTRACTOR SHALL COORDINATE WITH BUREAU PUBLIC OUTREACH AGENT FOR TEMPORARY DRIVEWAY CLOSURES. PUBLIC OUTREACH AGENT SHALL COORDINATE WITH PROPERTY OWNERS. SEE 01 55 26.13 FOR ADDITIONAL DRIVEWAY CLOSURE INFORMATION.
- THIS DRAWING PROVIDES A GENERAL LAYOUT FOR MAINTAINING TRAFFIC DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTAL OF FINAL PLANS FOR APPROVAL PRIOR TO IMPLEMENTATION IN THE FIELD.
- TEMPORARY TUBULAR MARKER SPACING AT TAPERS SHALL BE 20' LONG.
- TEMPORARY TUBULAR MARKER SPACING AT RADII SHALL BE 10' LONG.
- TEMPORARY TUBULAR MARKER SPACING AT DRIVEWAYS SHALL BE NO MORE THAN 20' AND ALLOW ACCESS FOR PASSENGER VEHICLES.
- THIS PHASE IS TO BE SET UP DURING WORKING HOURS ONLY. DURING NON-WORKING HOURS, CONTRACTORS SHALL MOVE PLASTIC DRUMS TO THE WEST SHOULDER OF COTTRELL TO DEMARCATE THE STAGING AREA AND KEEP ONE LANE OF TRAFFIC IN EACH DIRECTION OPEN. CONTRACTORS SHALL PROVIDE STEEL PLATES OR SIMILAR TRENCH PROTECTION IN OPEN PITS OR TRENCHES ADJACENT TO THE ROAD.

LEGEND







CONFIDENTIAL W02563

Bull Run Filtration Pipelines

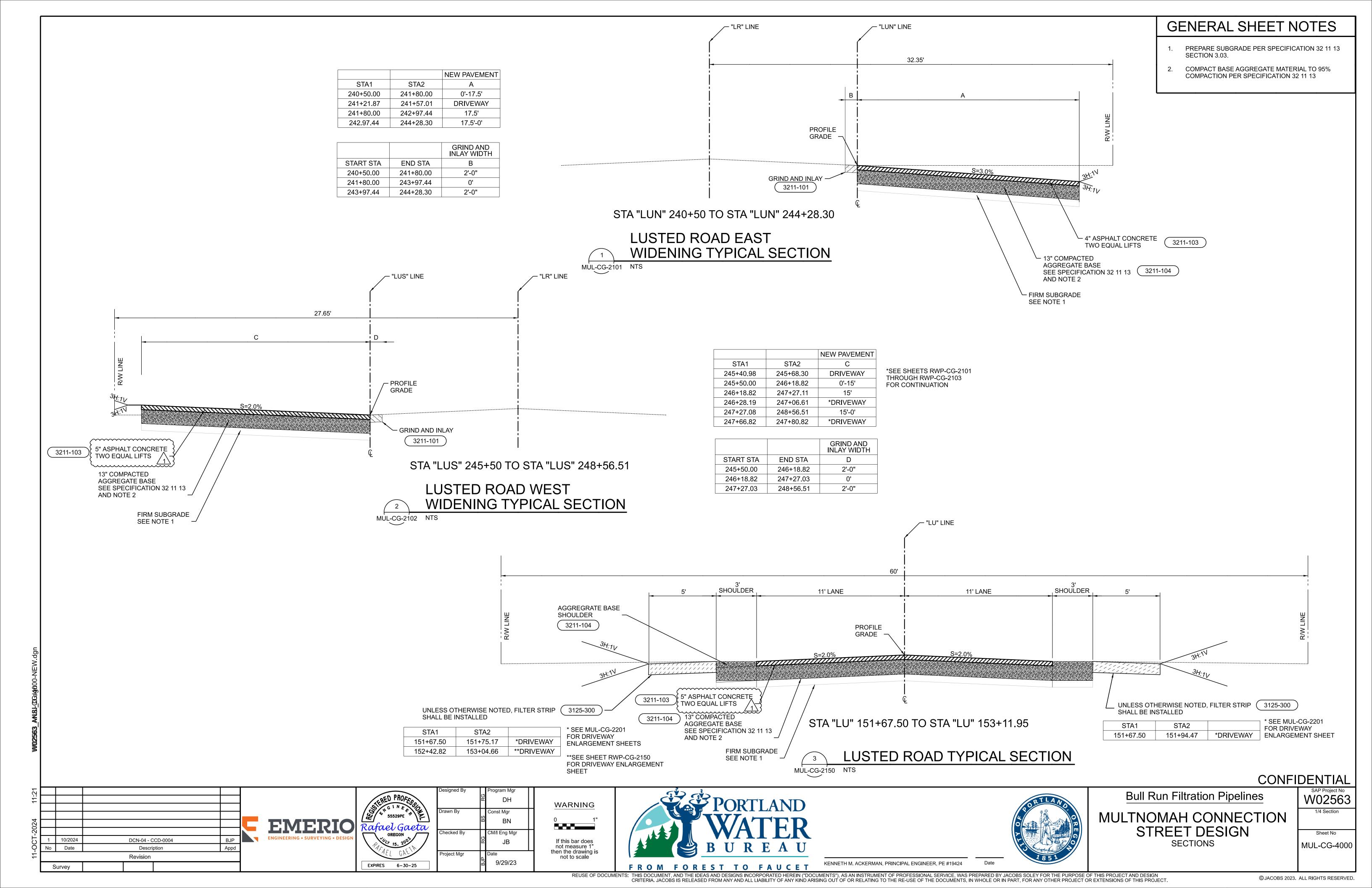
FINISHED WATER PIPELINE TRAFFIC CONTROL COTTRELL ROAD PHASE 1

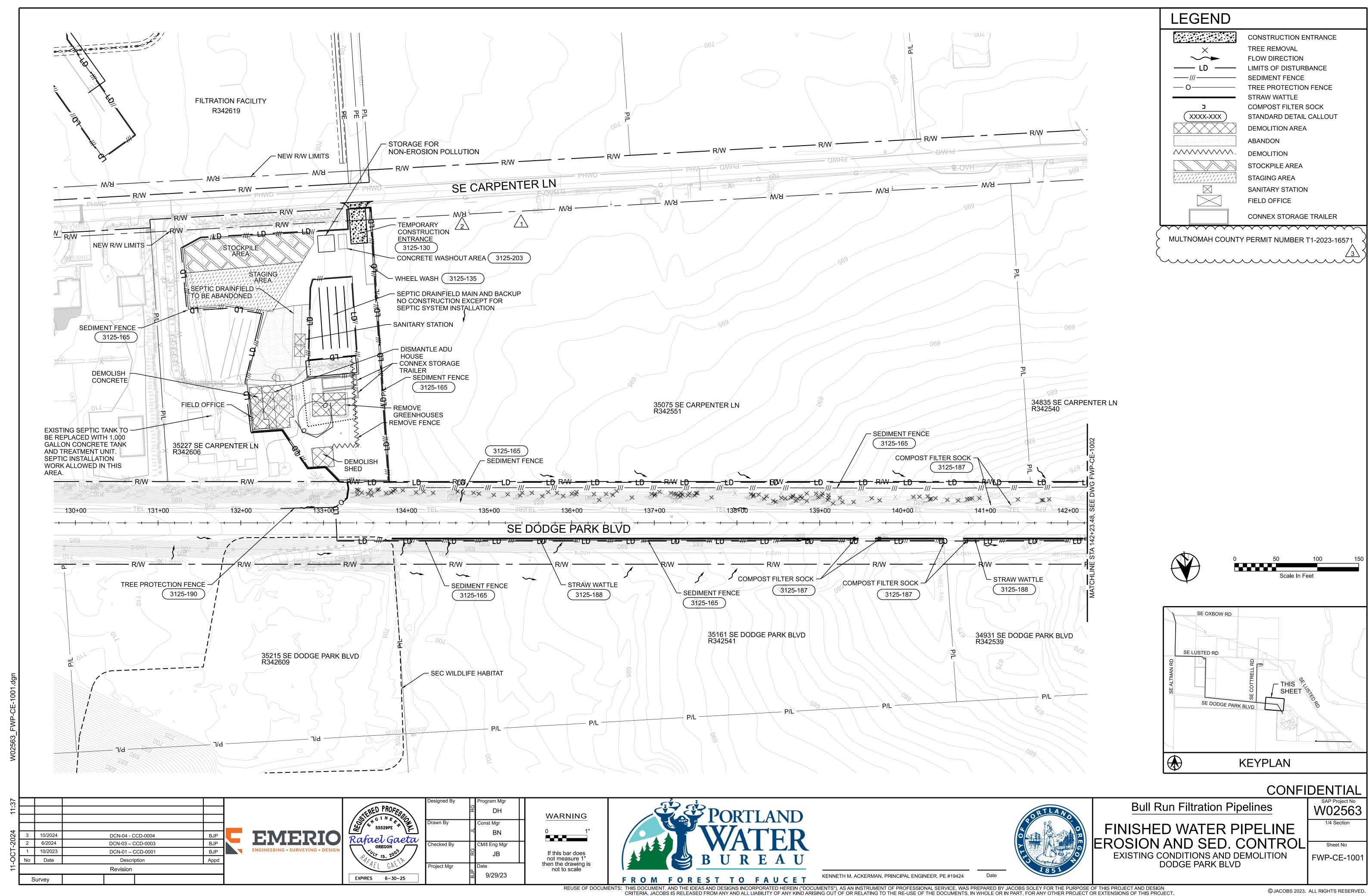
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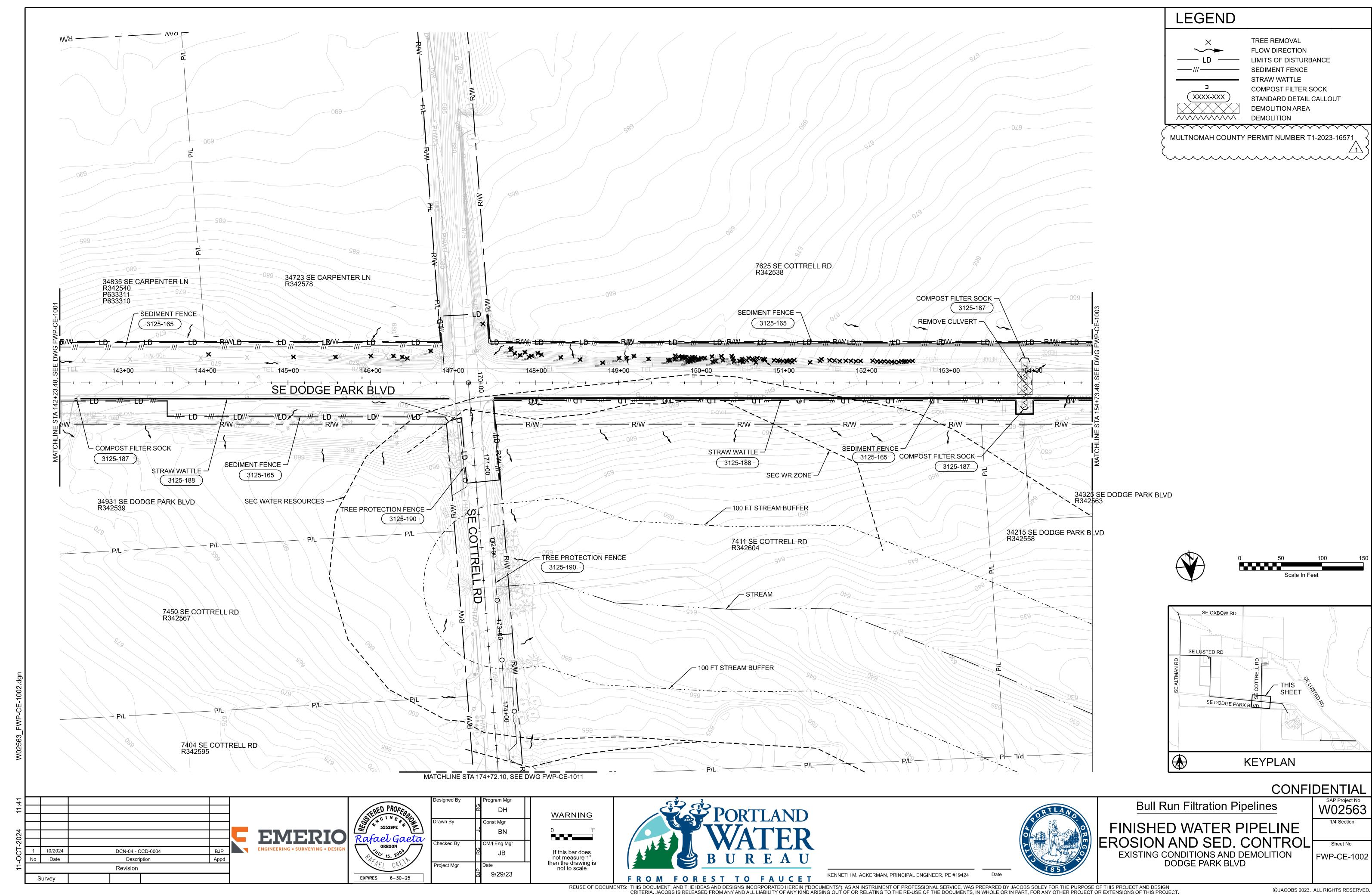
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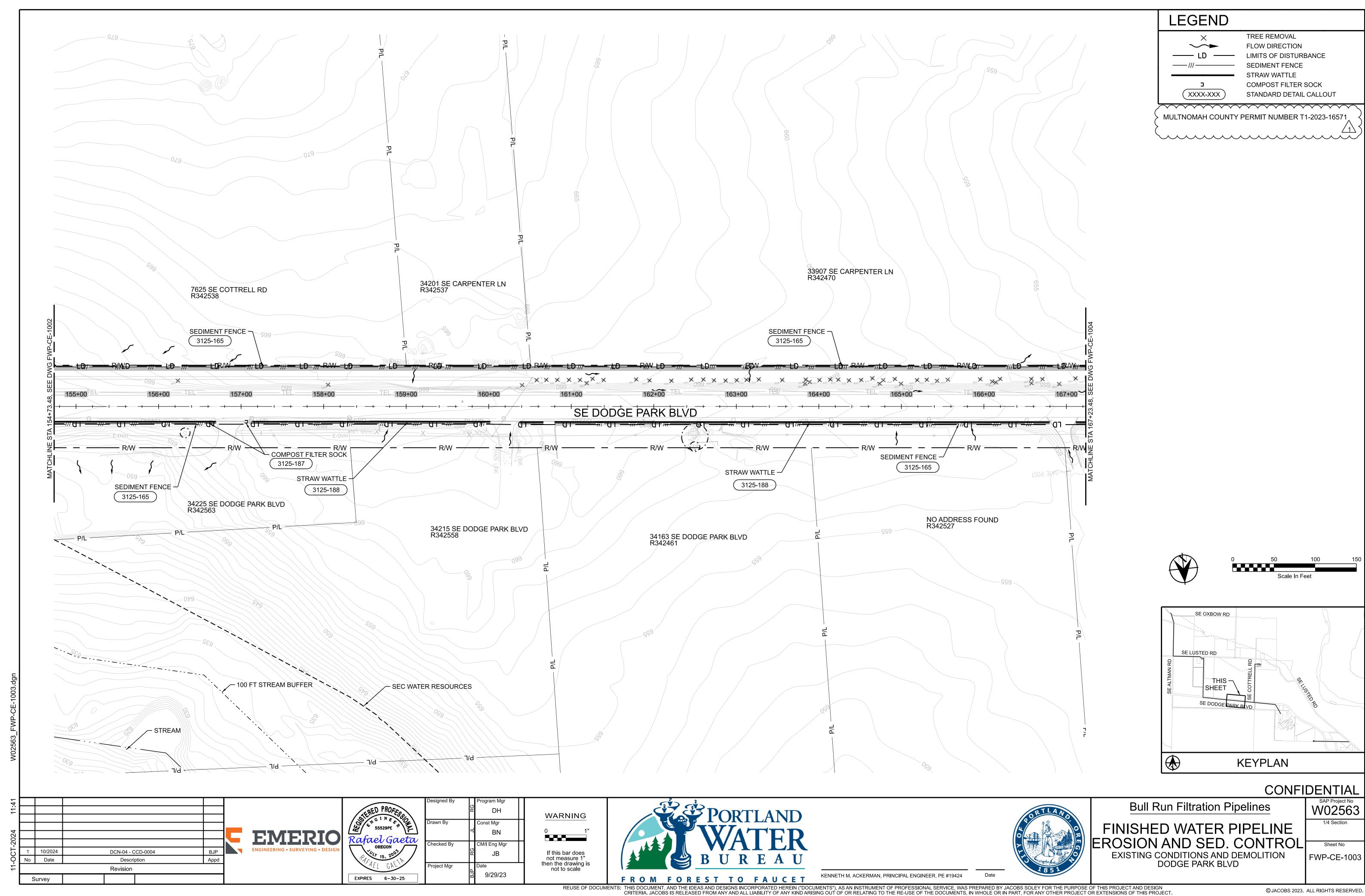
KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424

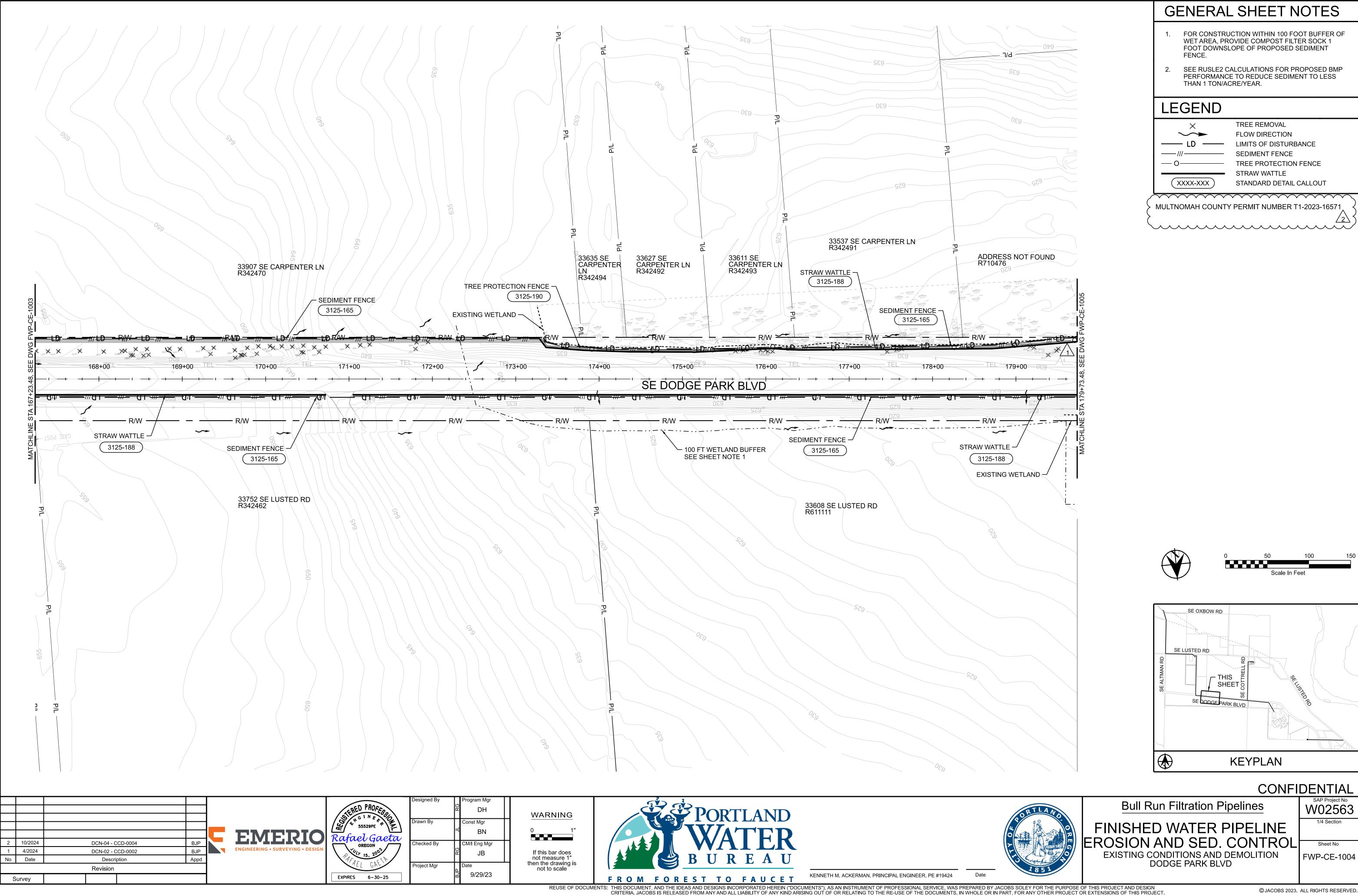
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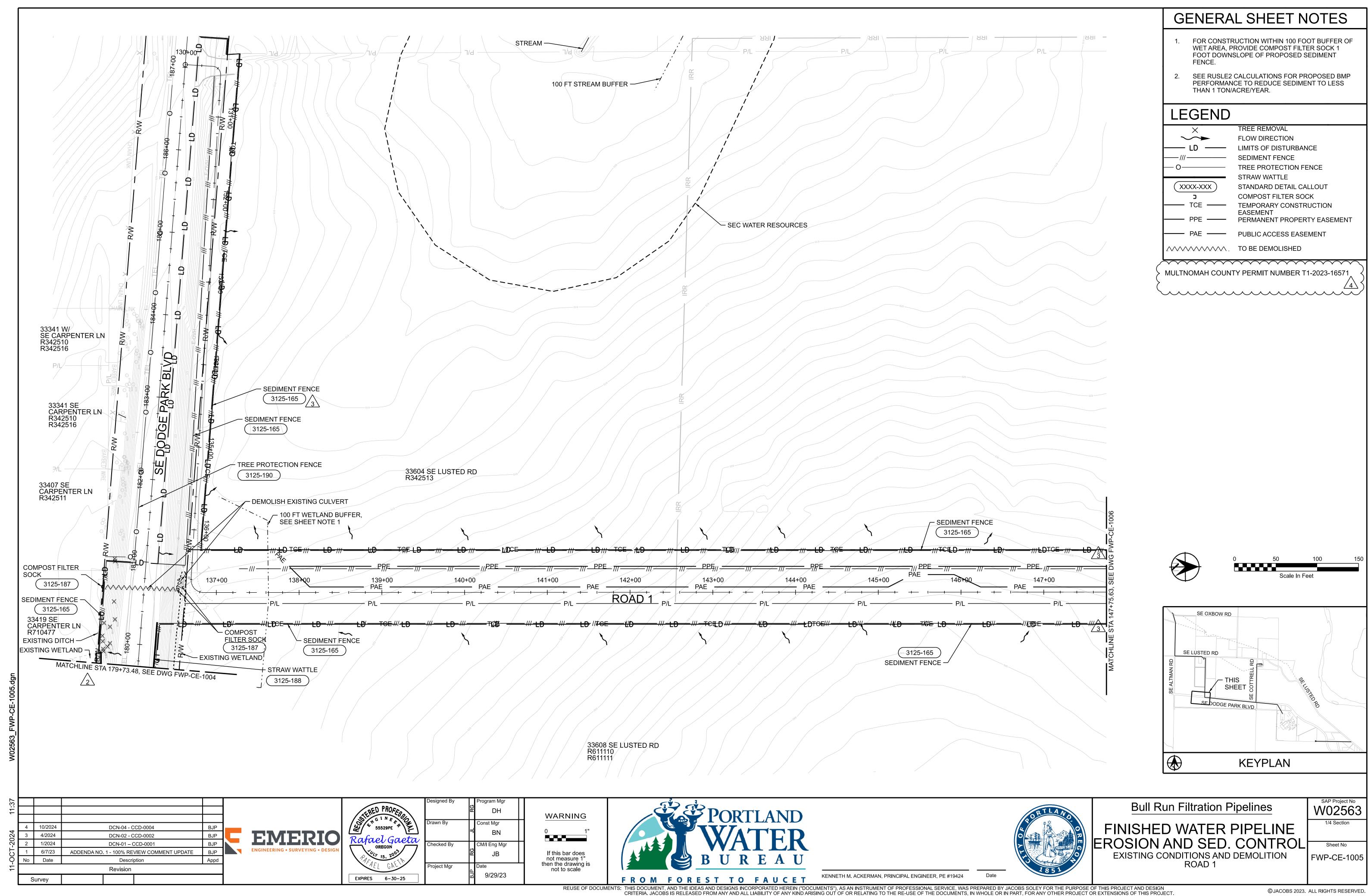


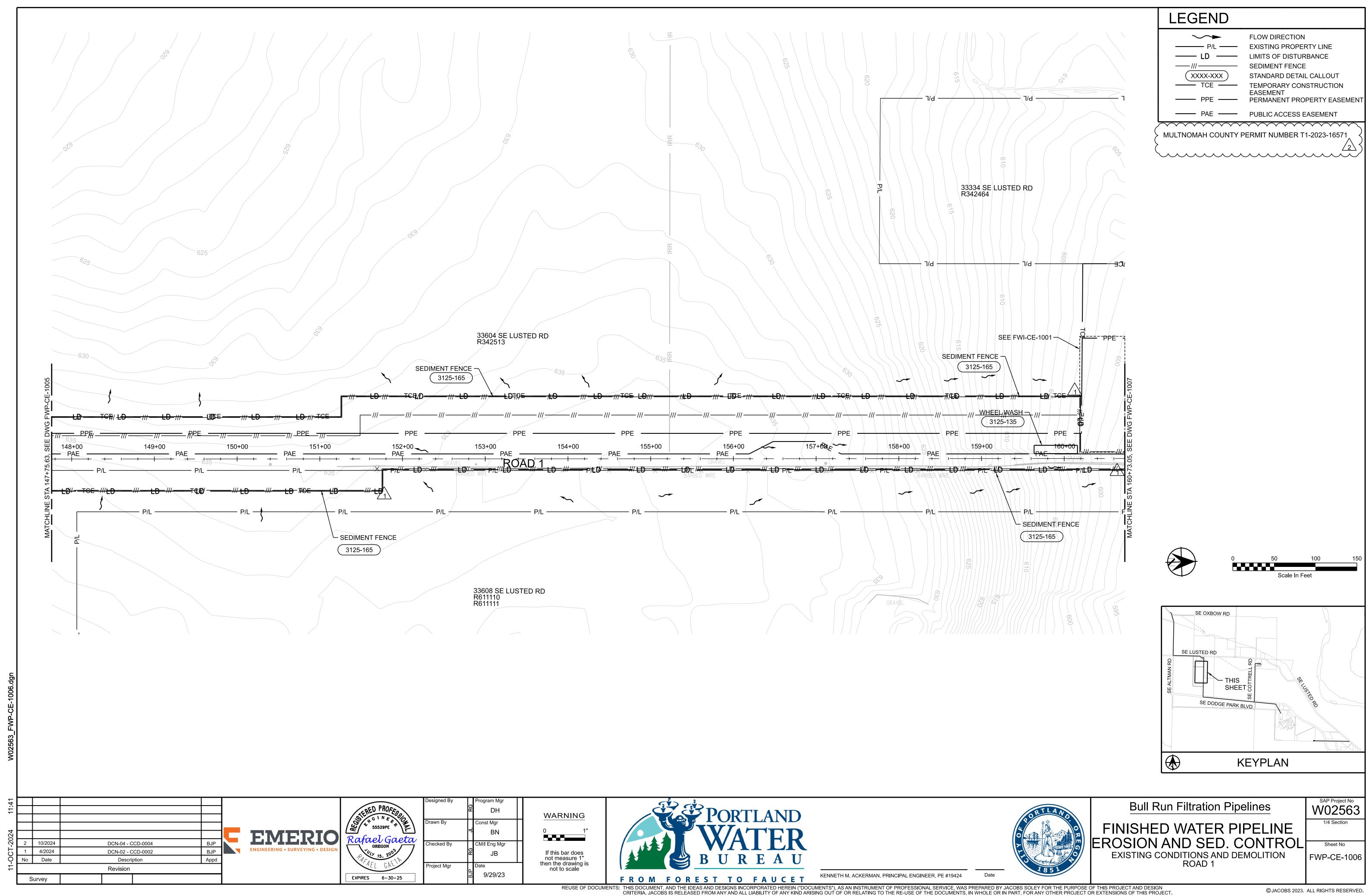


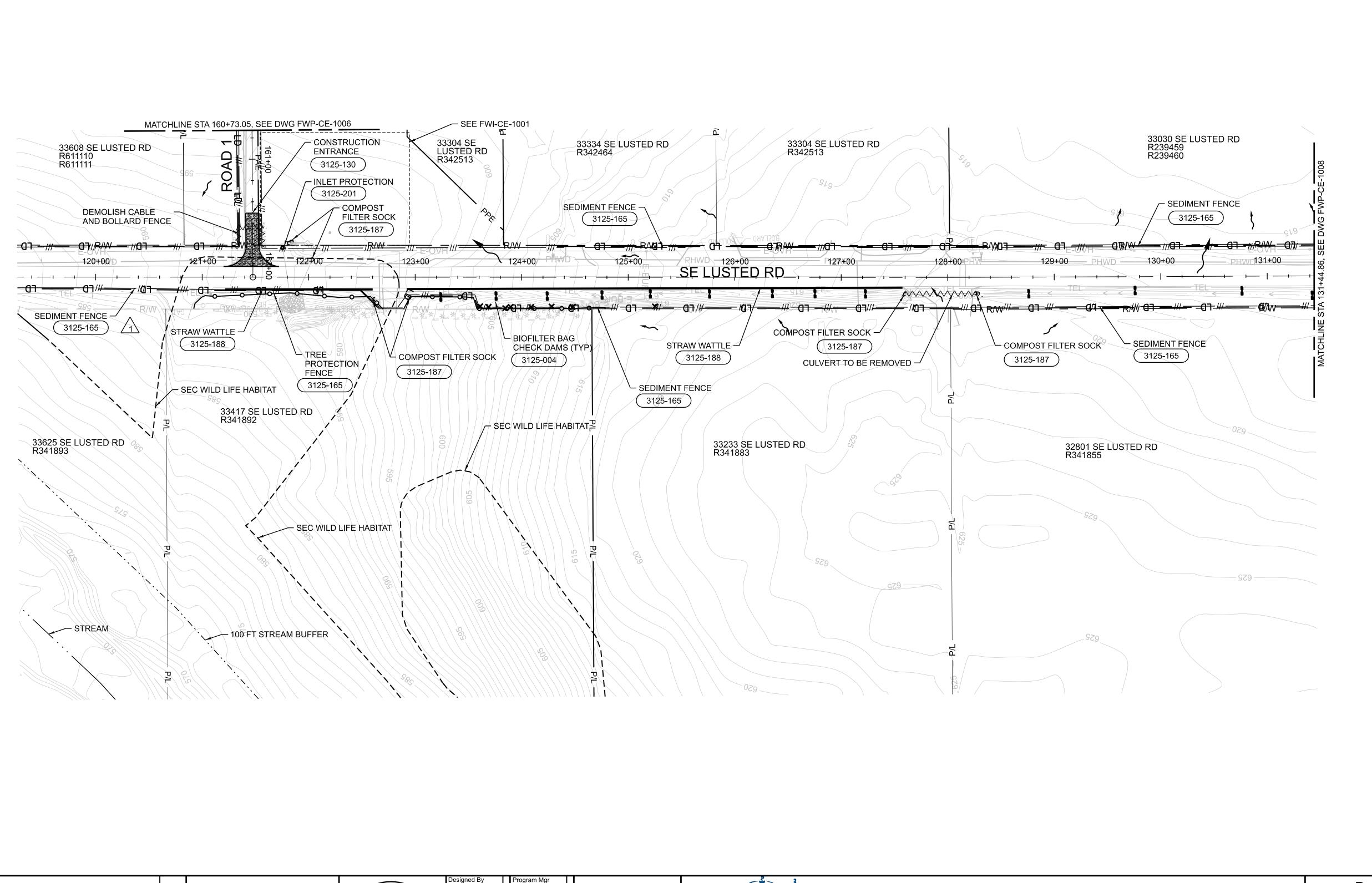












WARNING

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not to scale

9/29/23

EMERIO

BJP

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Description

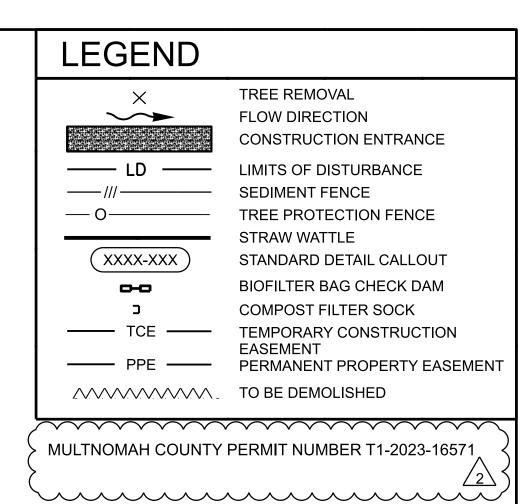
Revision

10/2024

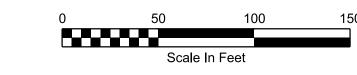
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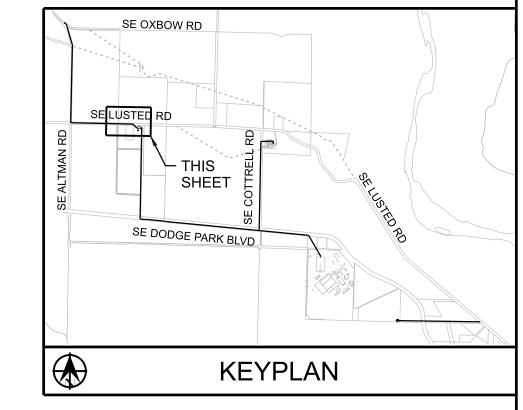
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Survey









Bull Run Filtration Pipelines

FINISHED WATER PIPELINE ROSION AND SED. CONTROL EXISTING CONDITIONS AND DEMOLITION LUSTED ROAD

SAP Project No W02563

1/4 Section

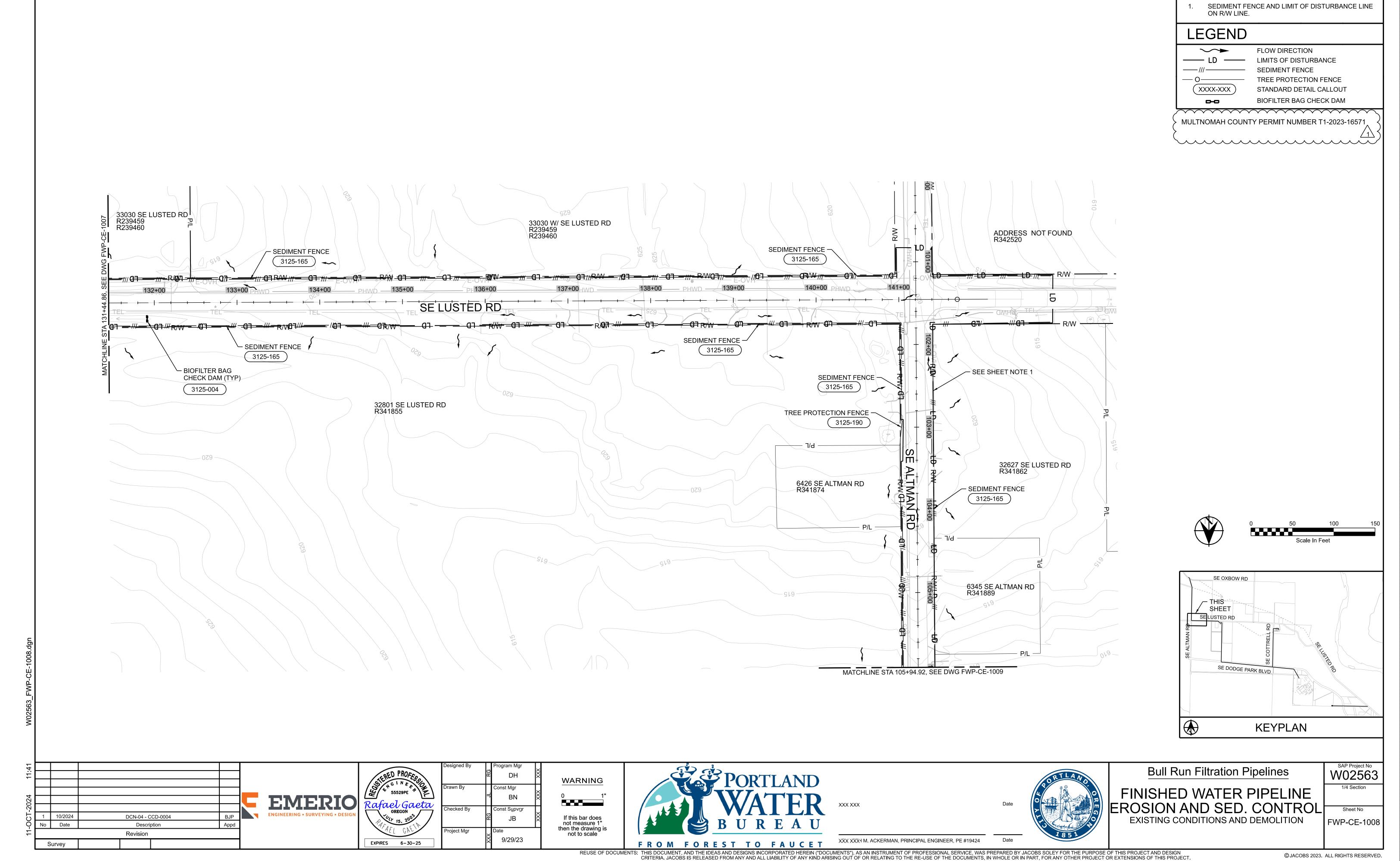
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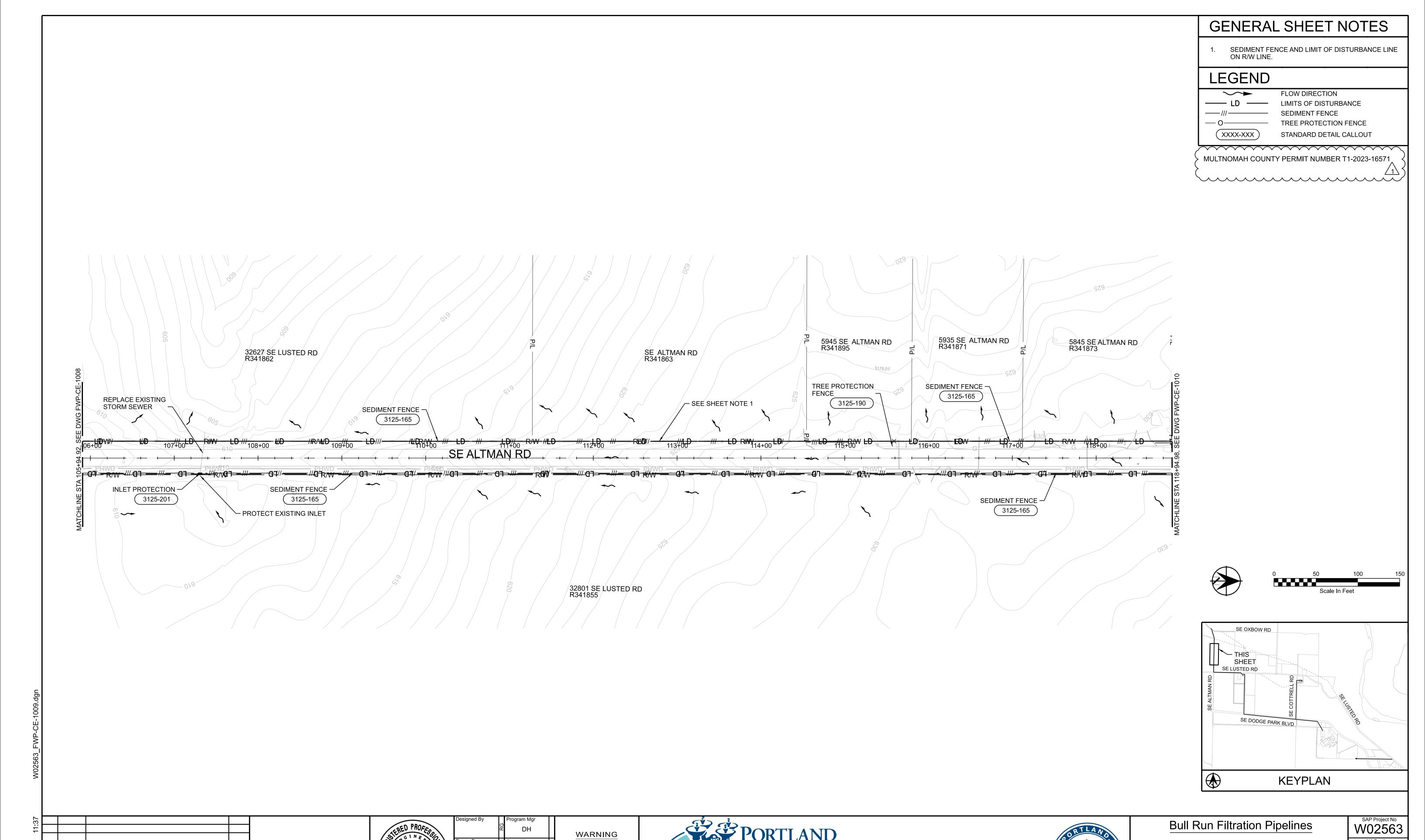
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KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424



GENERAL SHEET NOTES



Rafael Gaeta
OREGON

EXPIRES 6-30-25

If this bar does not measure 1" then the drawing is not to scale

9/29/23

10/2024

No Date

Survey

DCN-04 - CCD-0004

Description

Revision

BJP

FROM FOREST TO FAUCET

KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424

Date

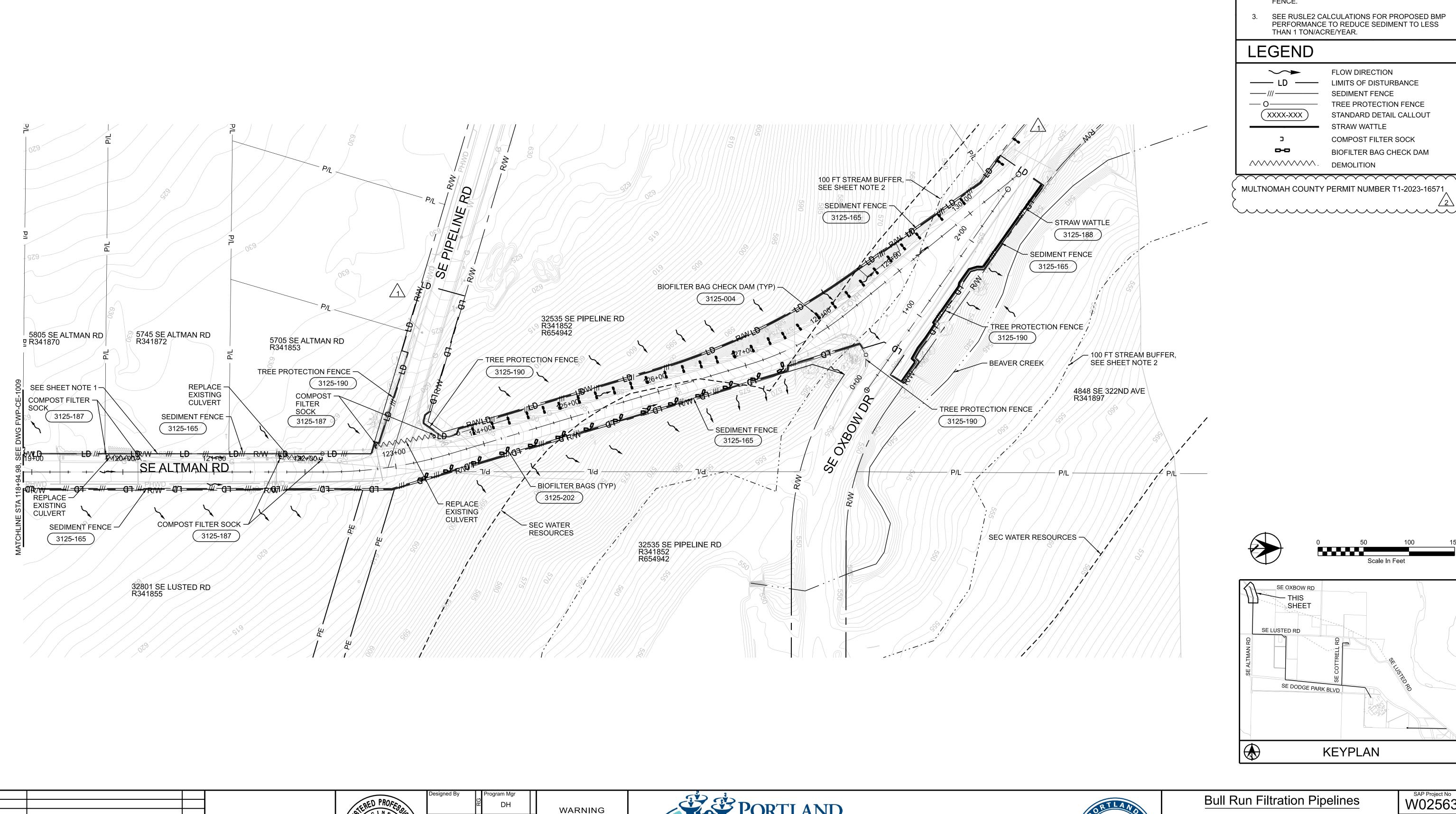
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Sheet No

FWP-CE-1009

FINISHED WATER PIPELINE

EXISTING CONDITIONS AND DEMOLITION ALTMAN ROAD



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EXPIRES 6-30-25

BJP

BJP

Appd

DCN-04 - CCD-0004

DCN-03 - CCD-0003

Description

Revision

10/2024

6/2024

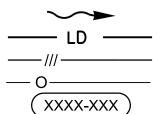
No Date

Survey

GENERAL SHEET NOTES

- SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.
- FOR CONSTRUCTION WITHIN 100 FOOT BUFFER OF WET AREA, PROVIDE COMPOST FILTER SOCK 1 FOOT DOWNSLOPE OF PROPOSED SEDIMENT
- SEE RUSLE2 CALCULATIONS FOR PROPOSED BMP PERFORMANCE TO REDUCE SEDIMENT TO LESS THAN 1 TON/ACRE/YEAR.

LEGEND



FLOW DIRECTION LIMITS OF DISTURBANCE SEDIMENT FENCE TREE PROTECTION FENCE STANDARD DETAIL CALLOUT

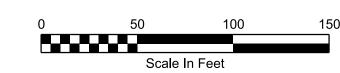
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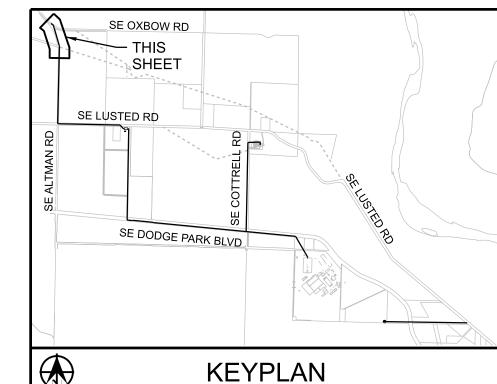
STRAW WATTLE COMPOST FILTER SOCK BIOFILTER BAG CHECK DAM

DEMOLITION

MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571







Bull Run Filtration Pipelines

FINISHED WATER PIPELINE ROSION AND SED. CONTROL

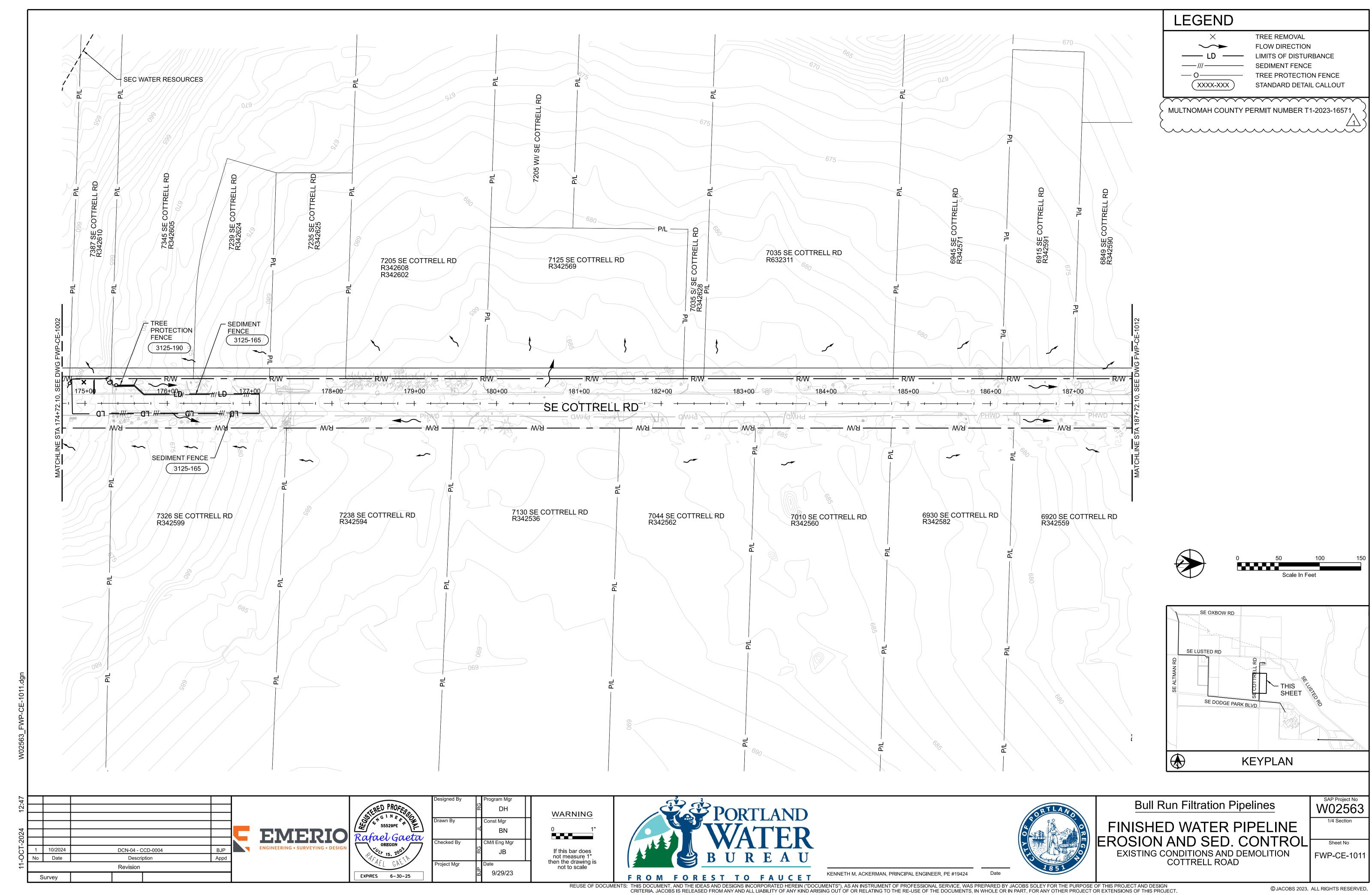
1/4 Section FWP-CE-1010

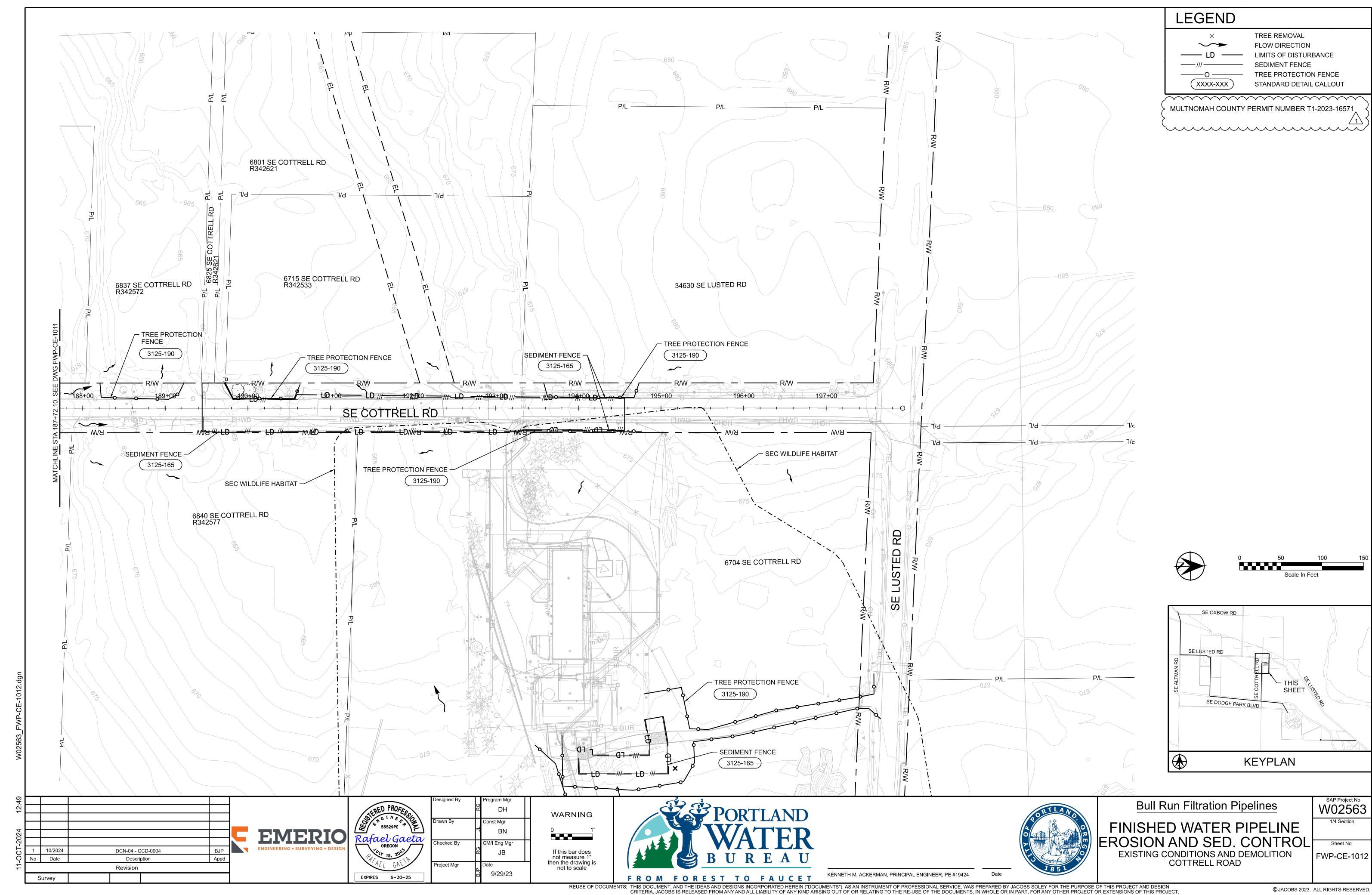
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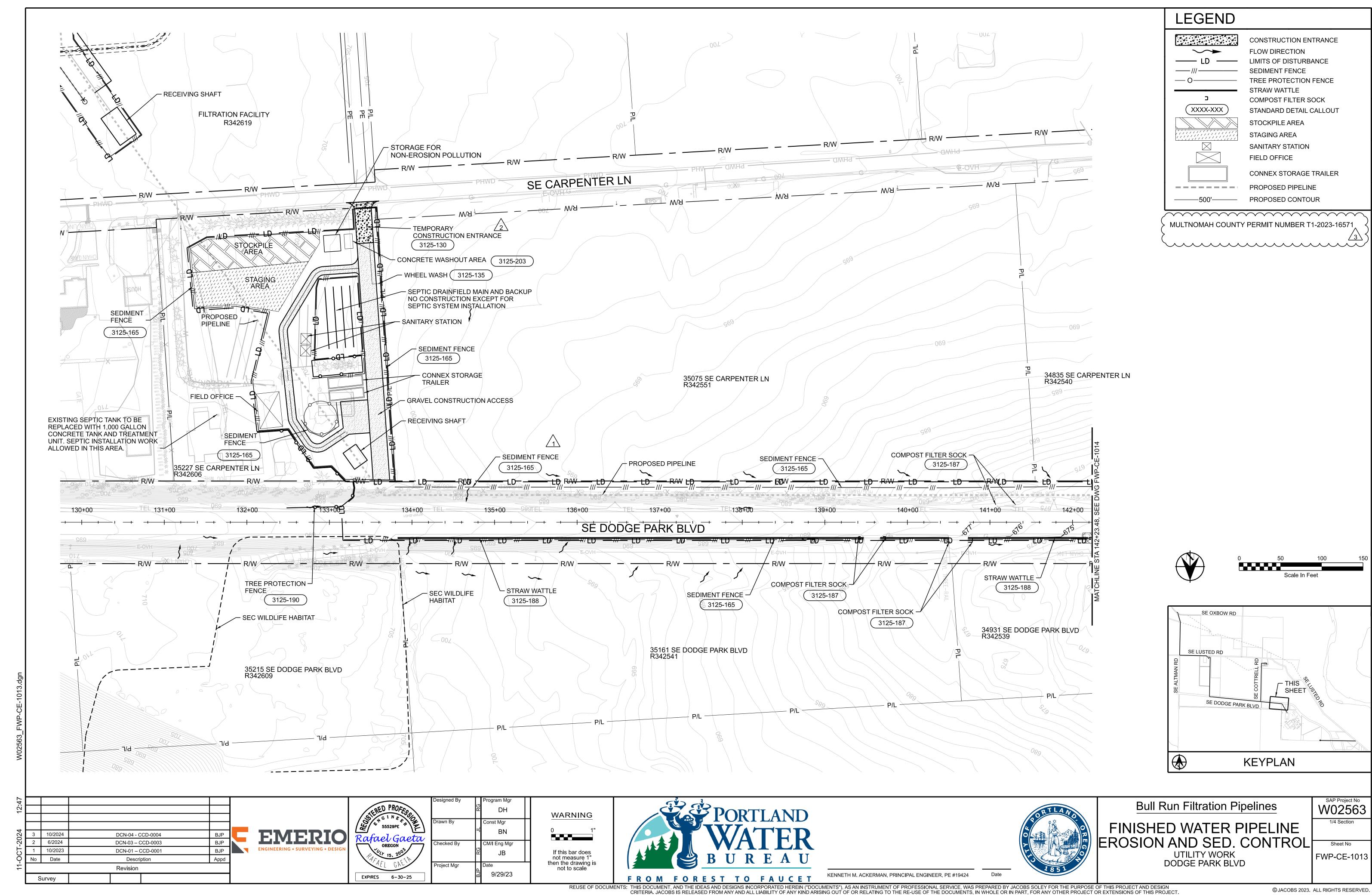
EXISTING CONDITIONS AND DEMOLITION ALTMAN ROAD

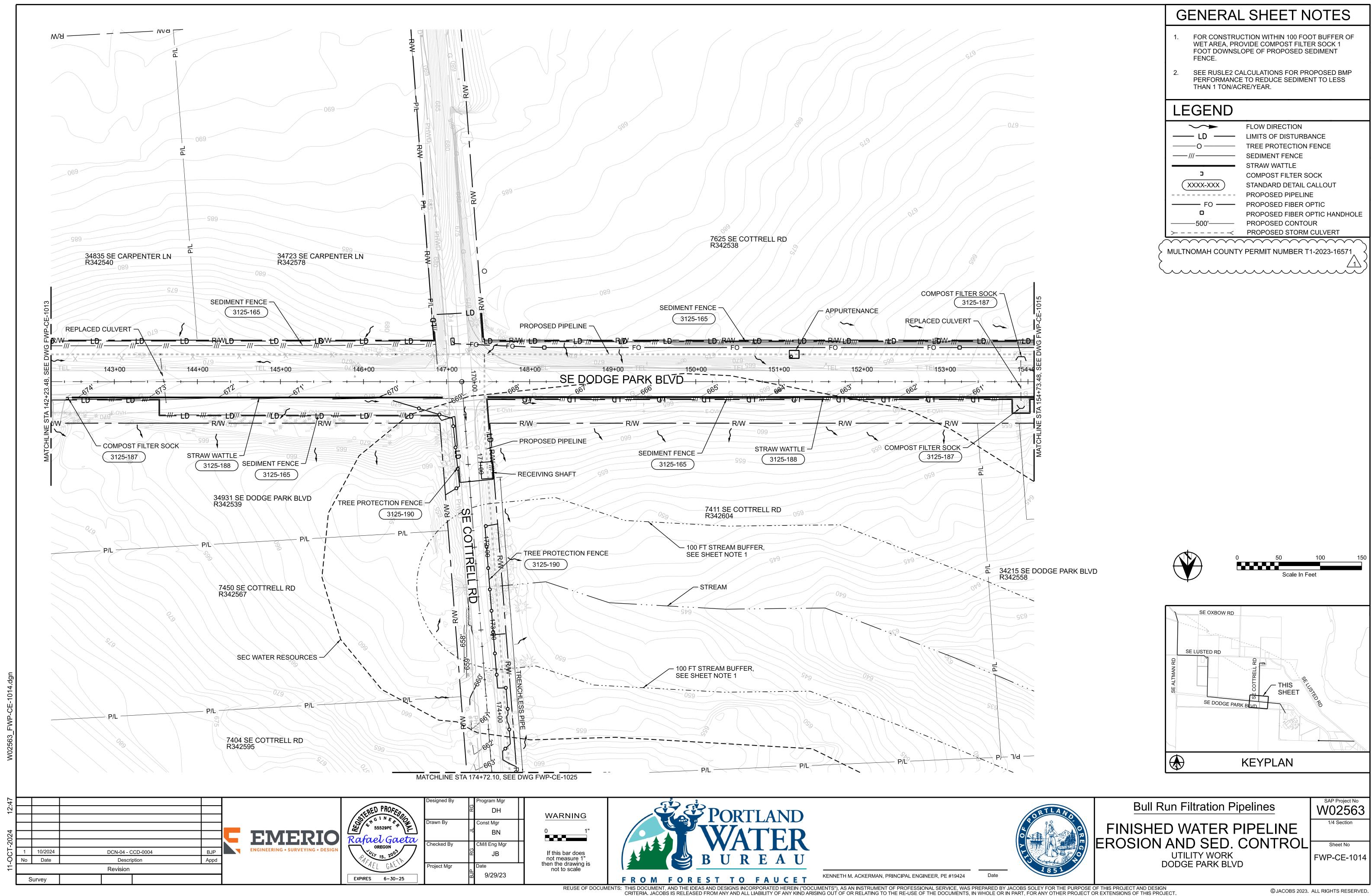
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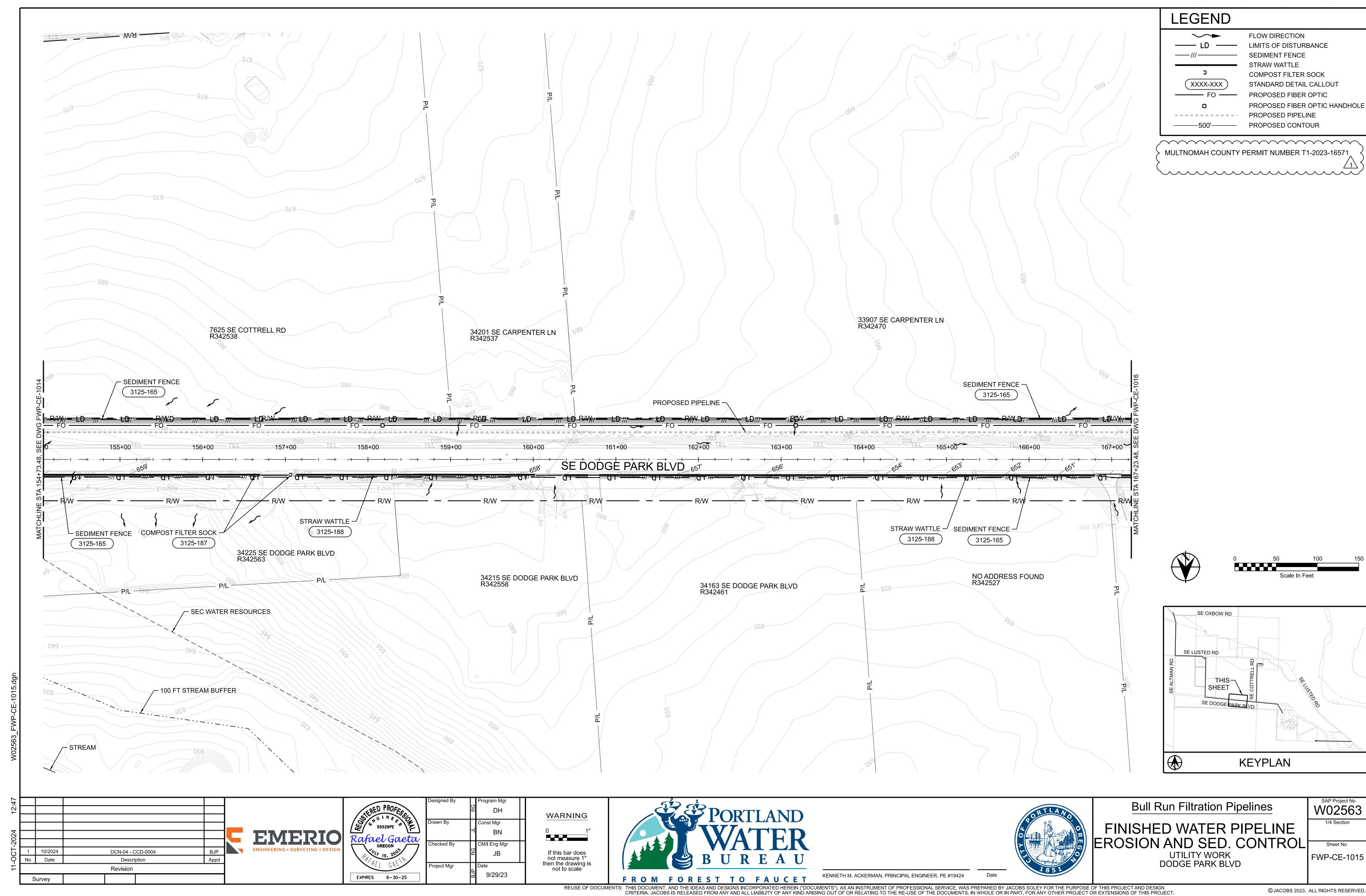
KENNETH M. ACKERMAN, PRINCIPAL ENGINEER, PE #19424

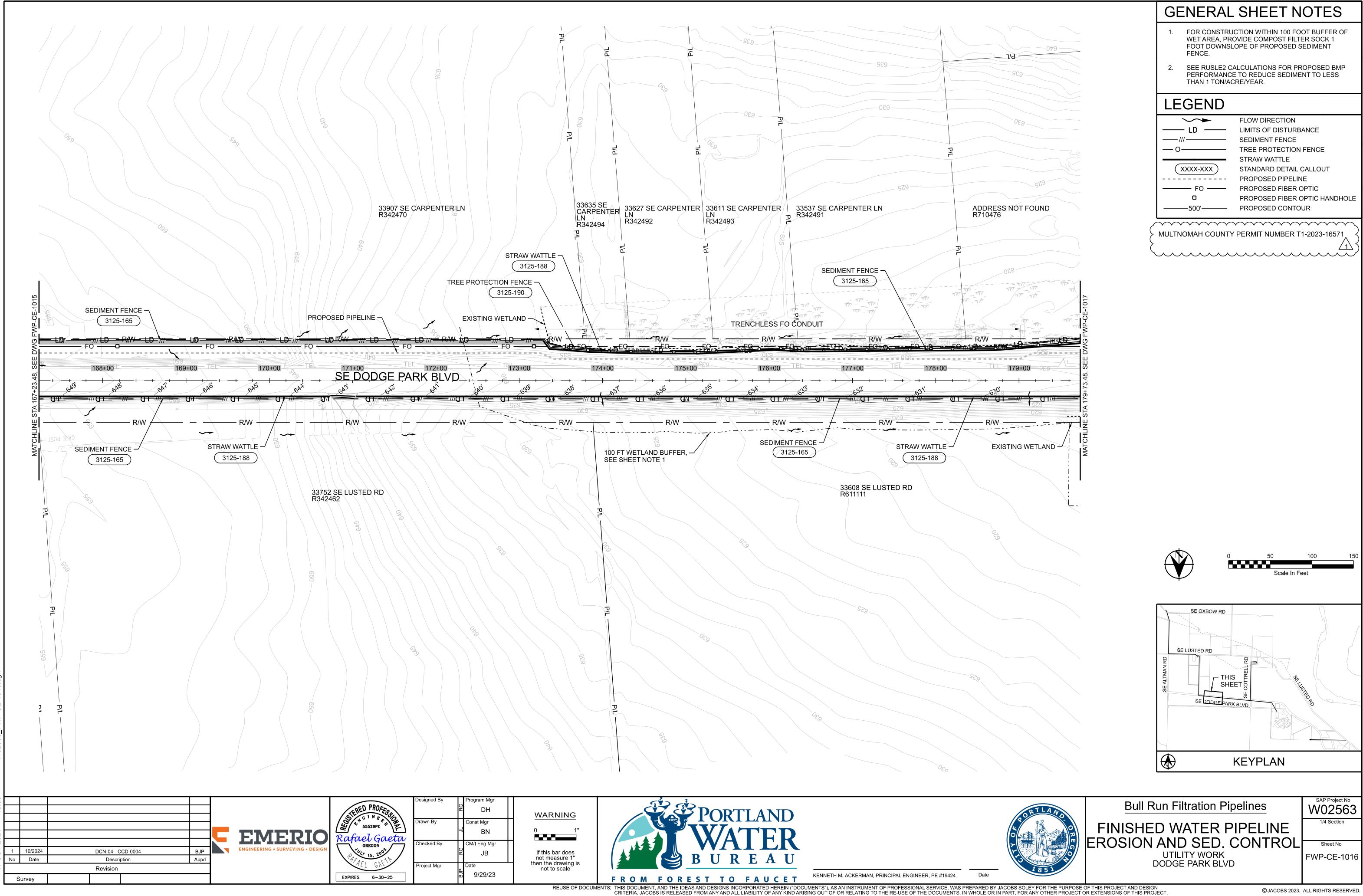


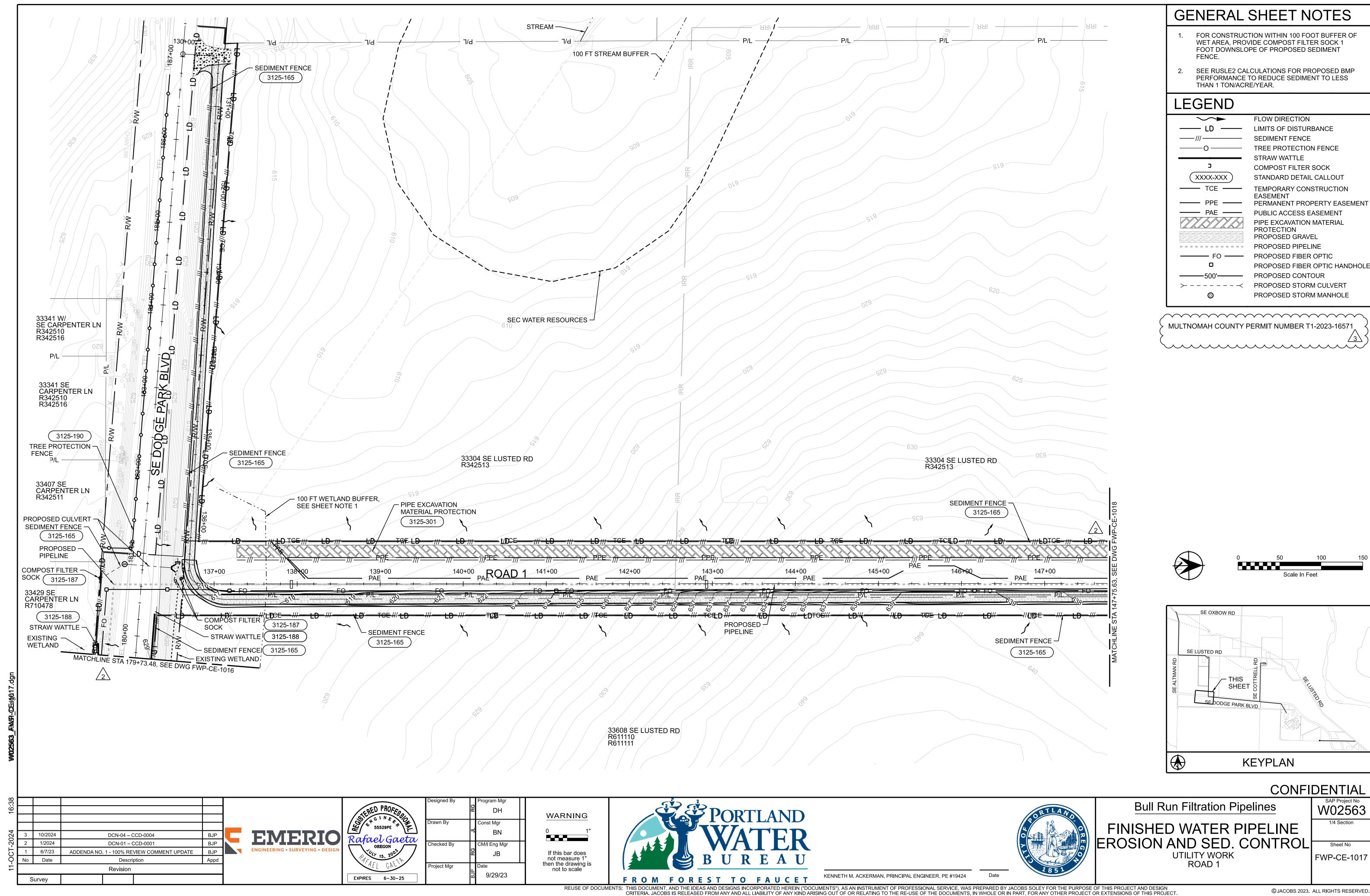


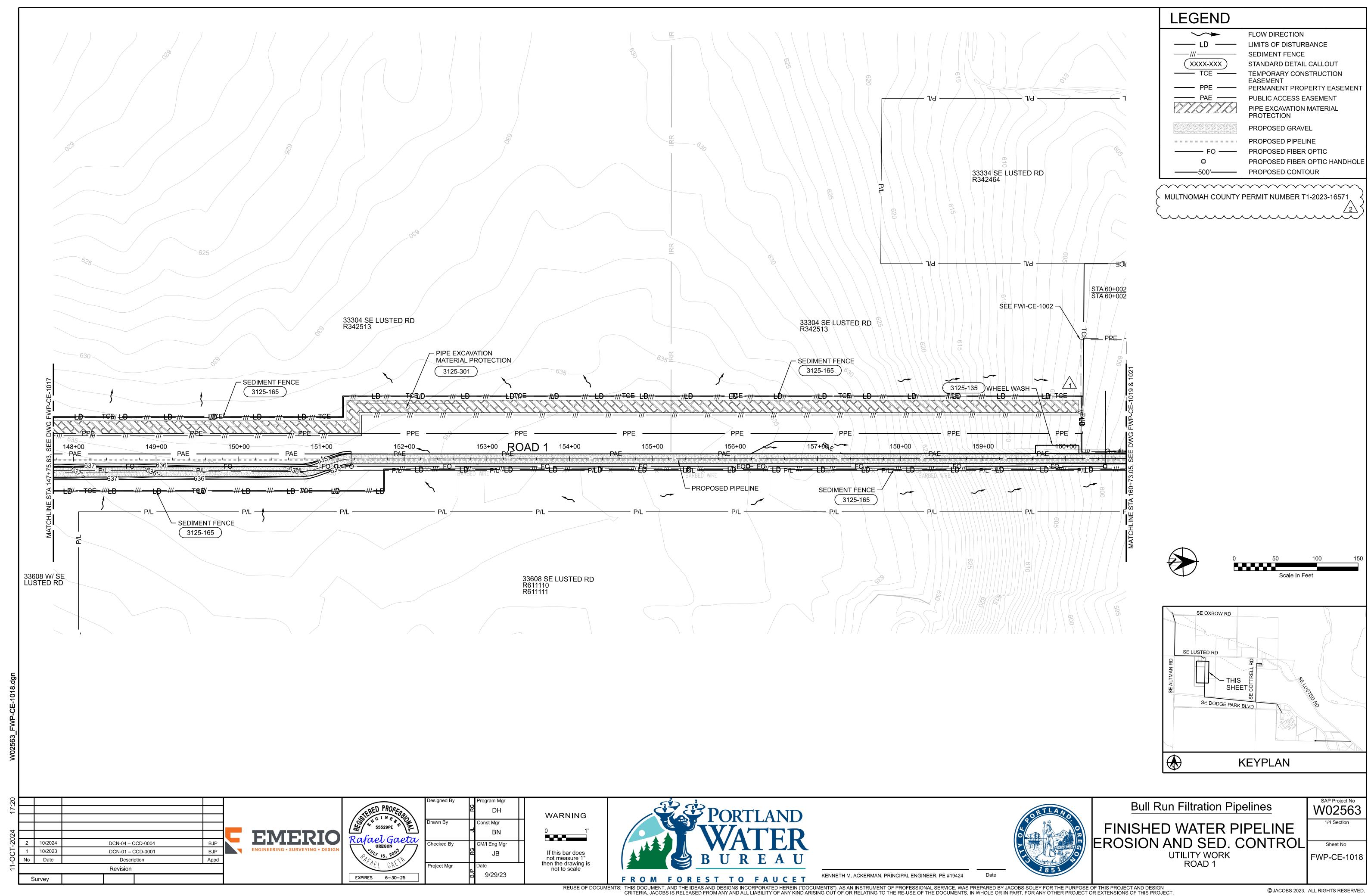


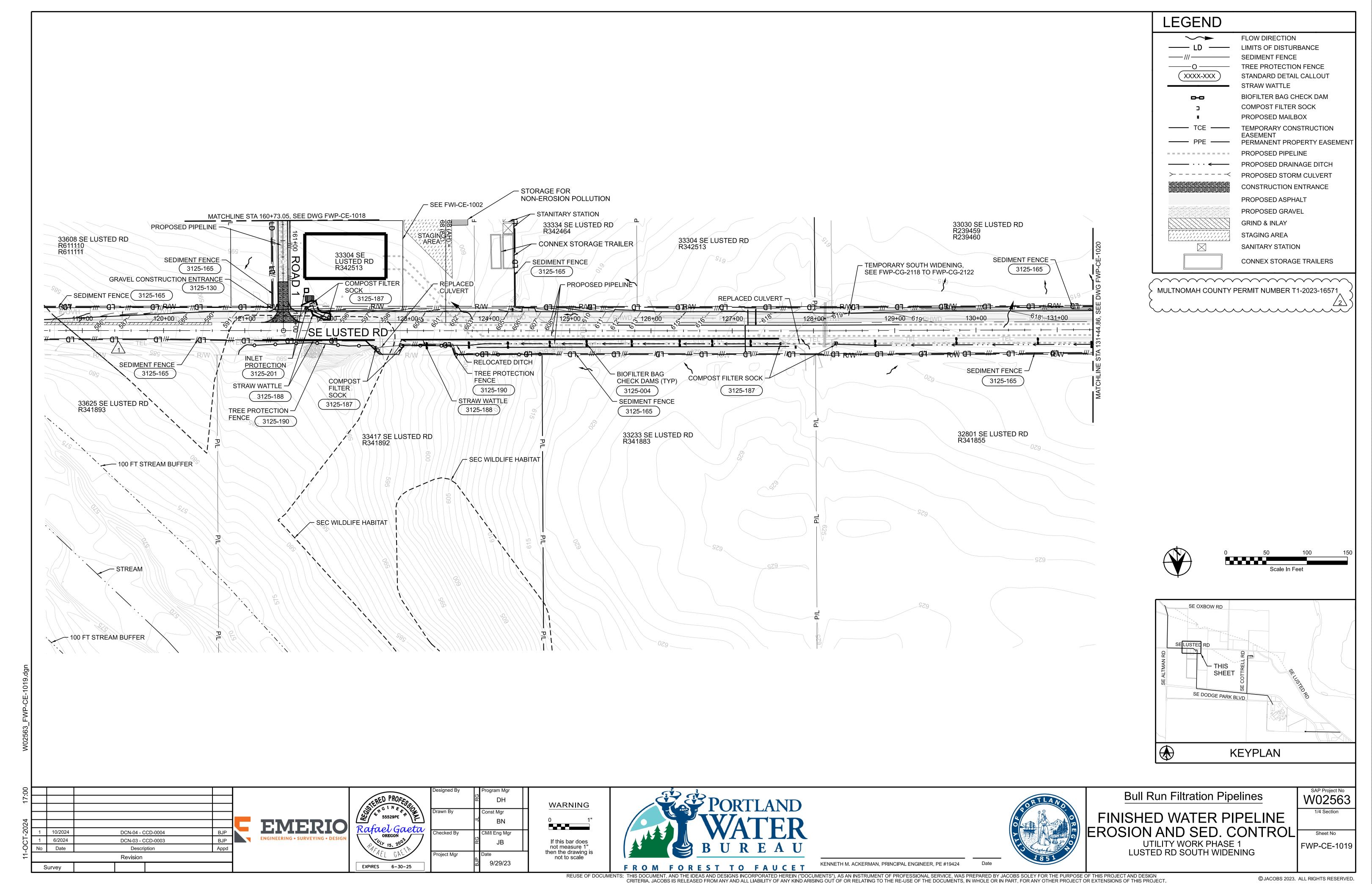


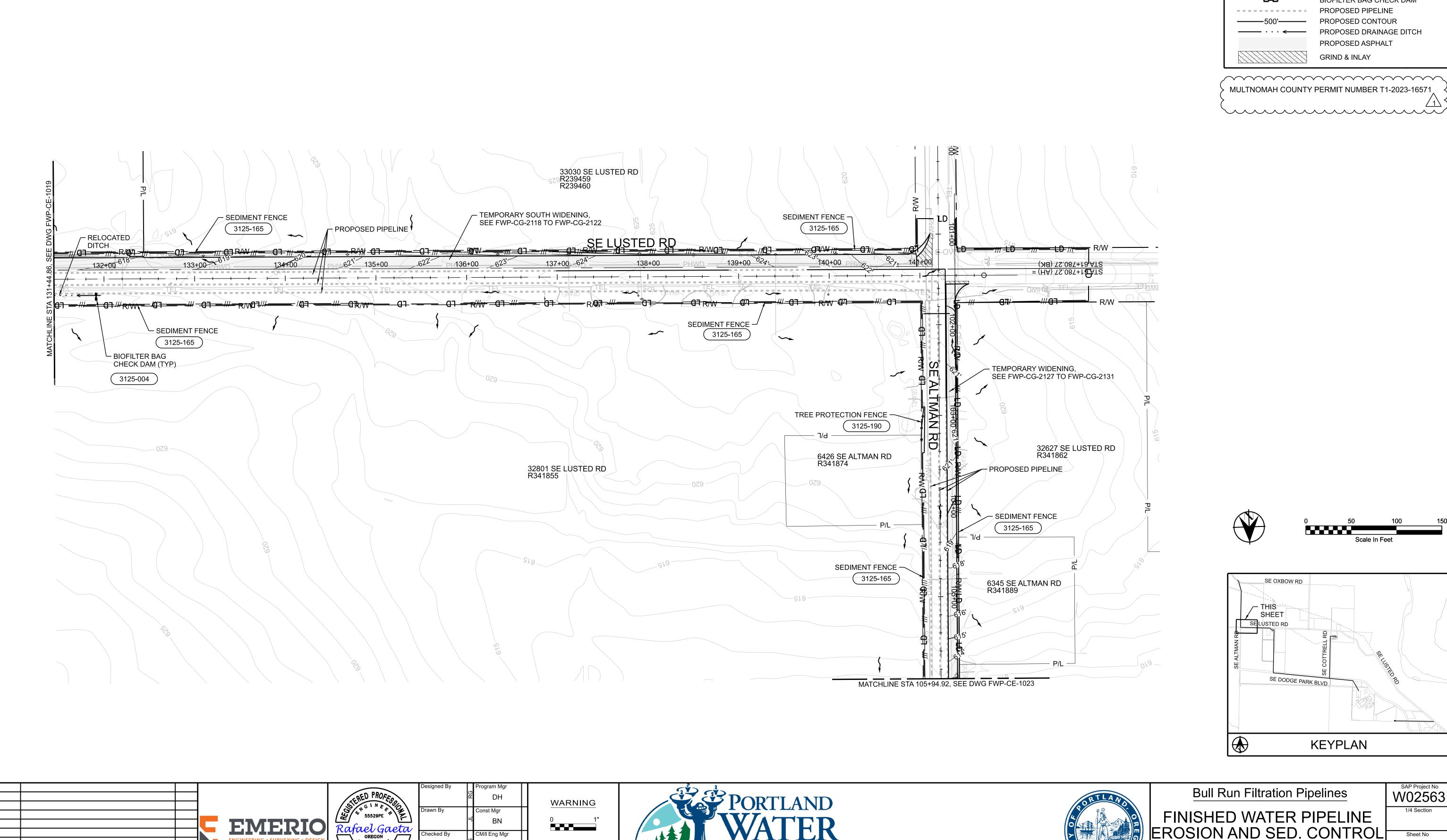












9/29/23

EXPIRES 6-30-25

10/2024

No Date

Survey

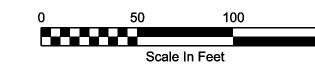
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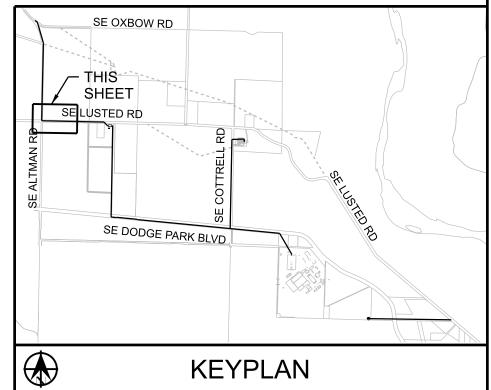
Description

Revision

BJP

LEGEND FLOW DIRECTION — LD — LIMITS OF DISTURBANCE SEDIMENT FENCE TREE PROTECTION FENCE STANDARD DETAIL CALLOUT (xxxx-xxx) BIOFILTER BAG CHECK DAM 0-0

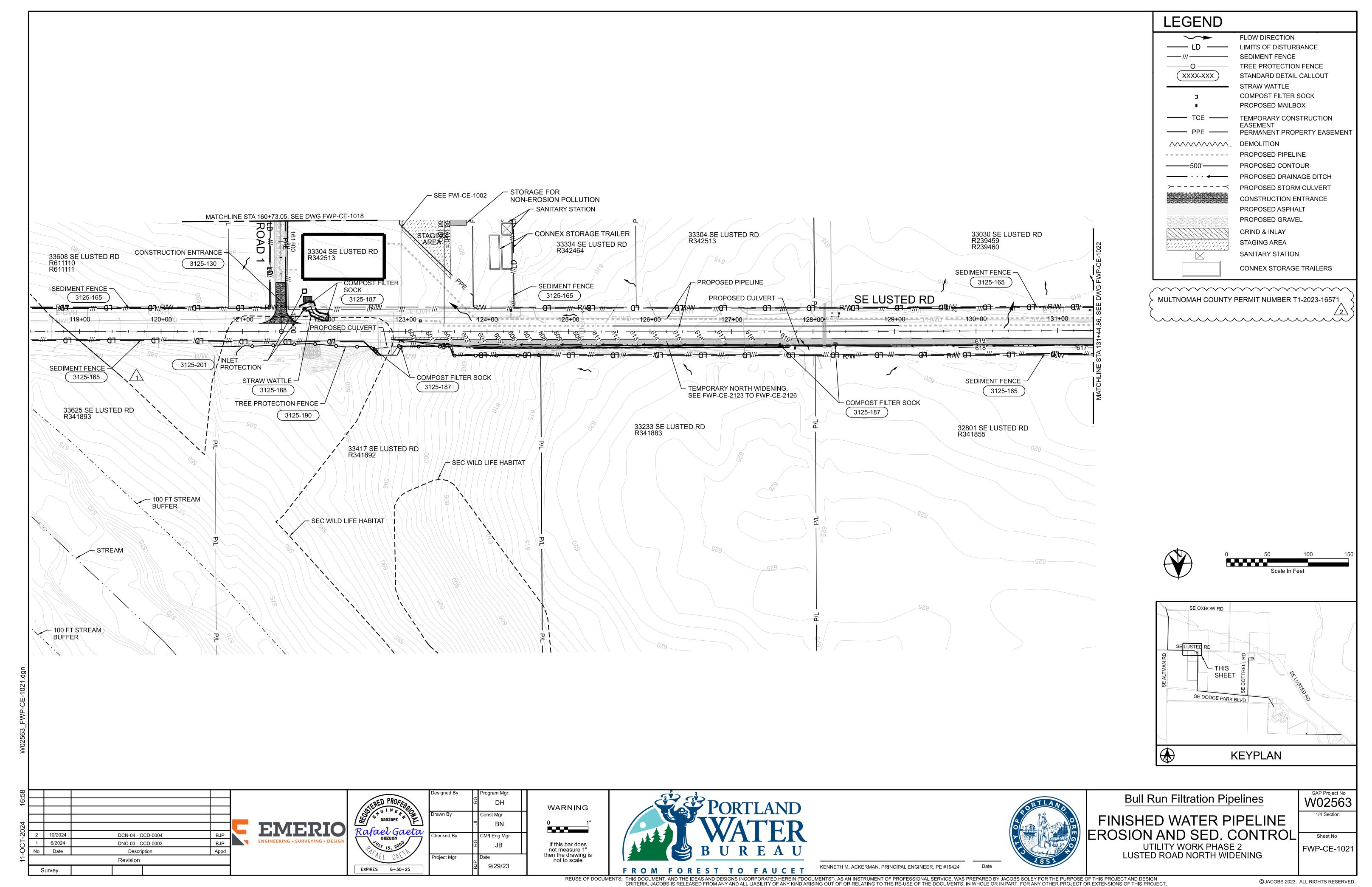


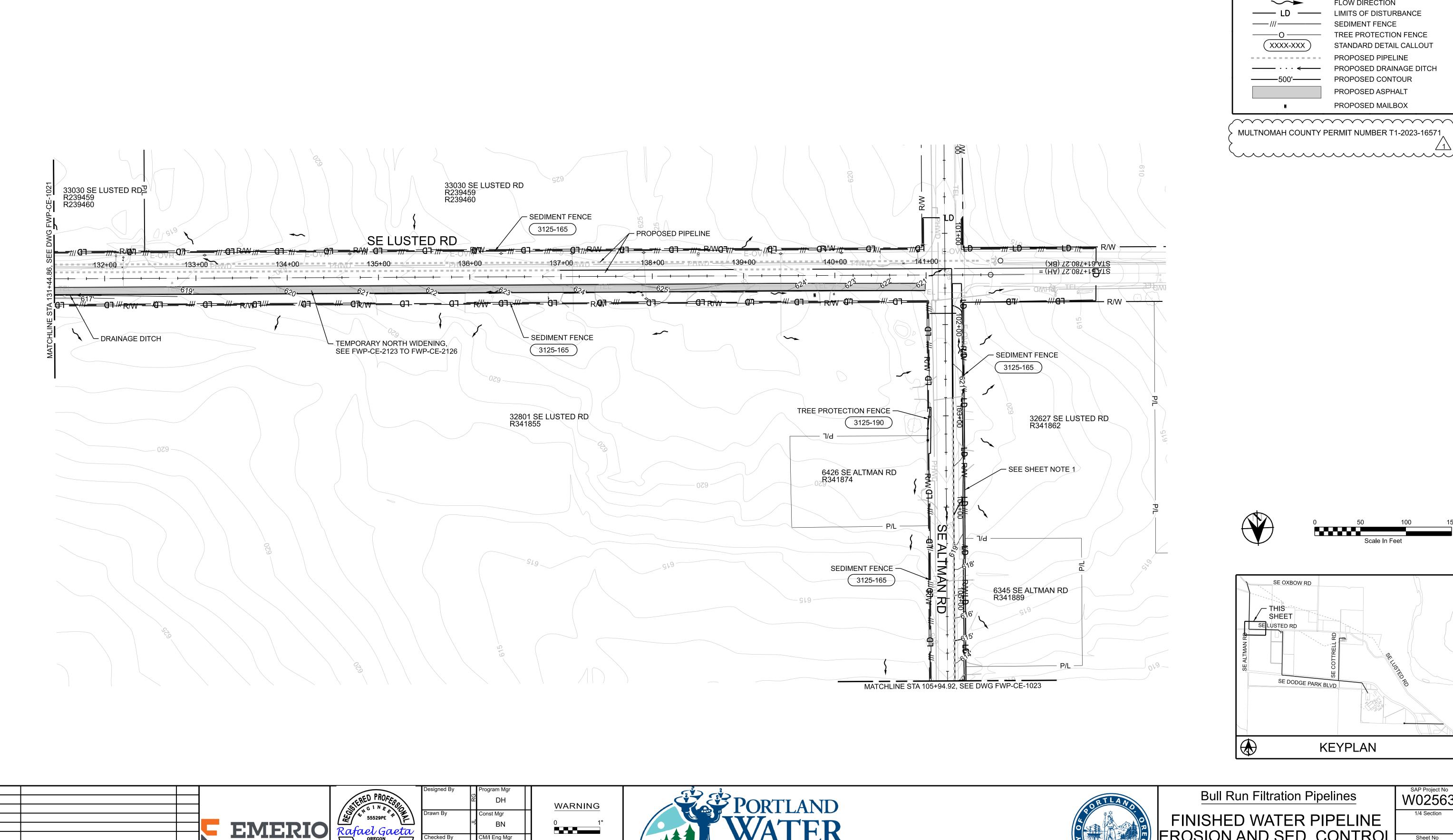


FINISHED WATER PIPELINE ROSION AND SED. CONTROL

UTILITY WORK PHASE 1 LUSTED RD SOUTH WIDENING

FWP-CE-1020





9/29/23

EXPIRES 6-30-25

DCN-04 - CCD-0004

Description

Revision

10/2024

No Date

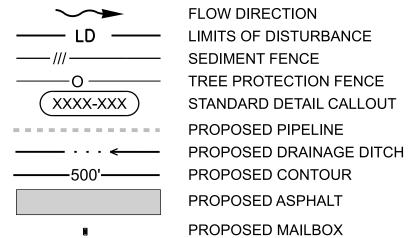
Survey

BJP

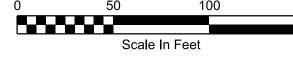
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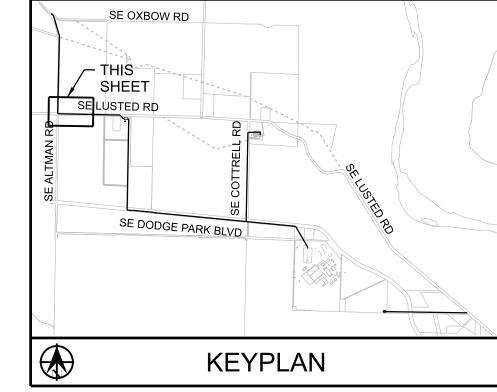
1. SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.

LEGEND



MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571





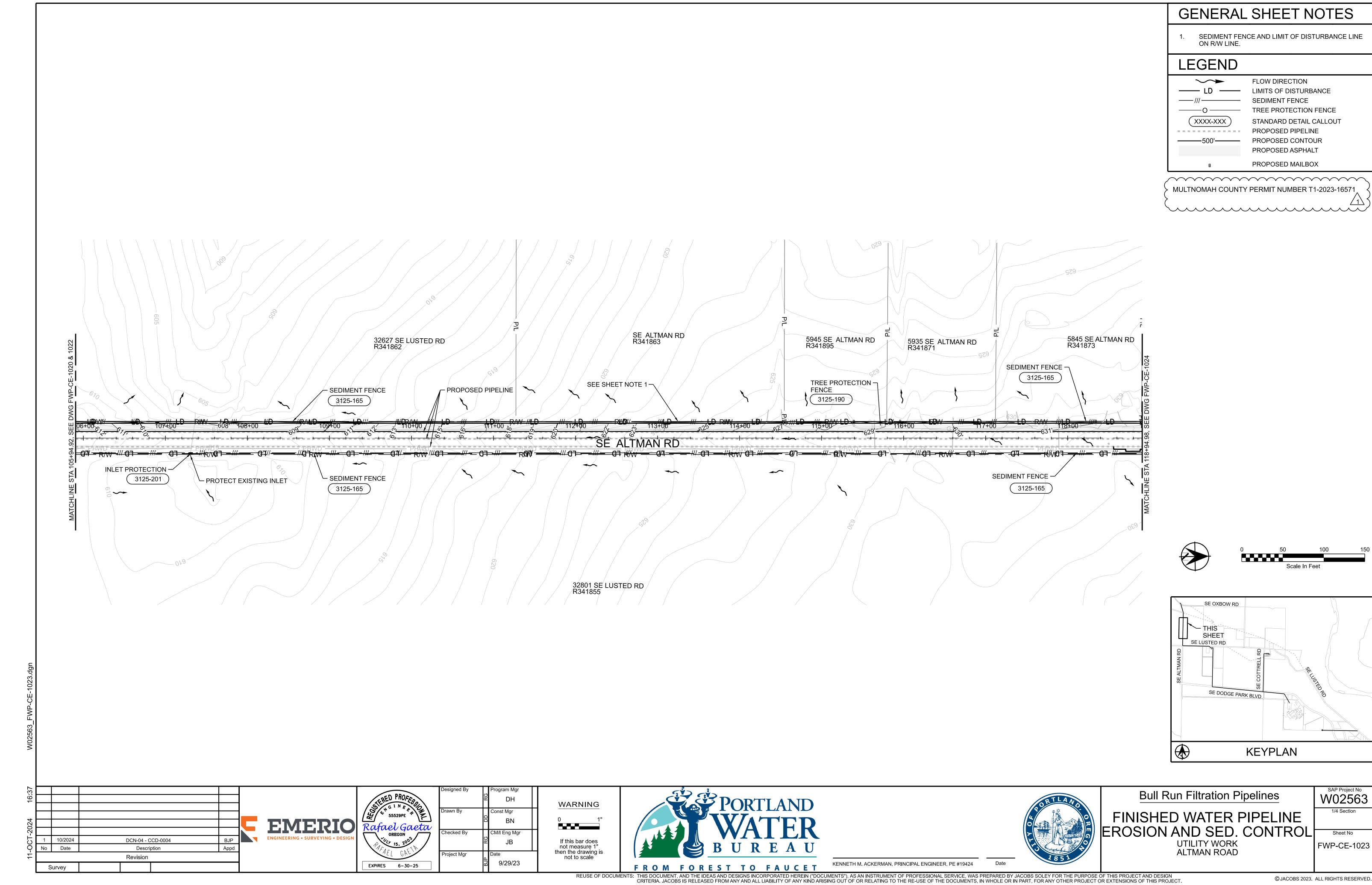
Bull Run Filtration Pipelines

FINISHED WATER PIPELINE ROSION AND SED. CONTROL

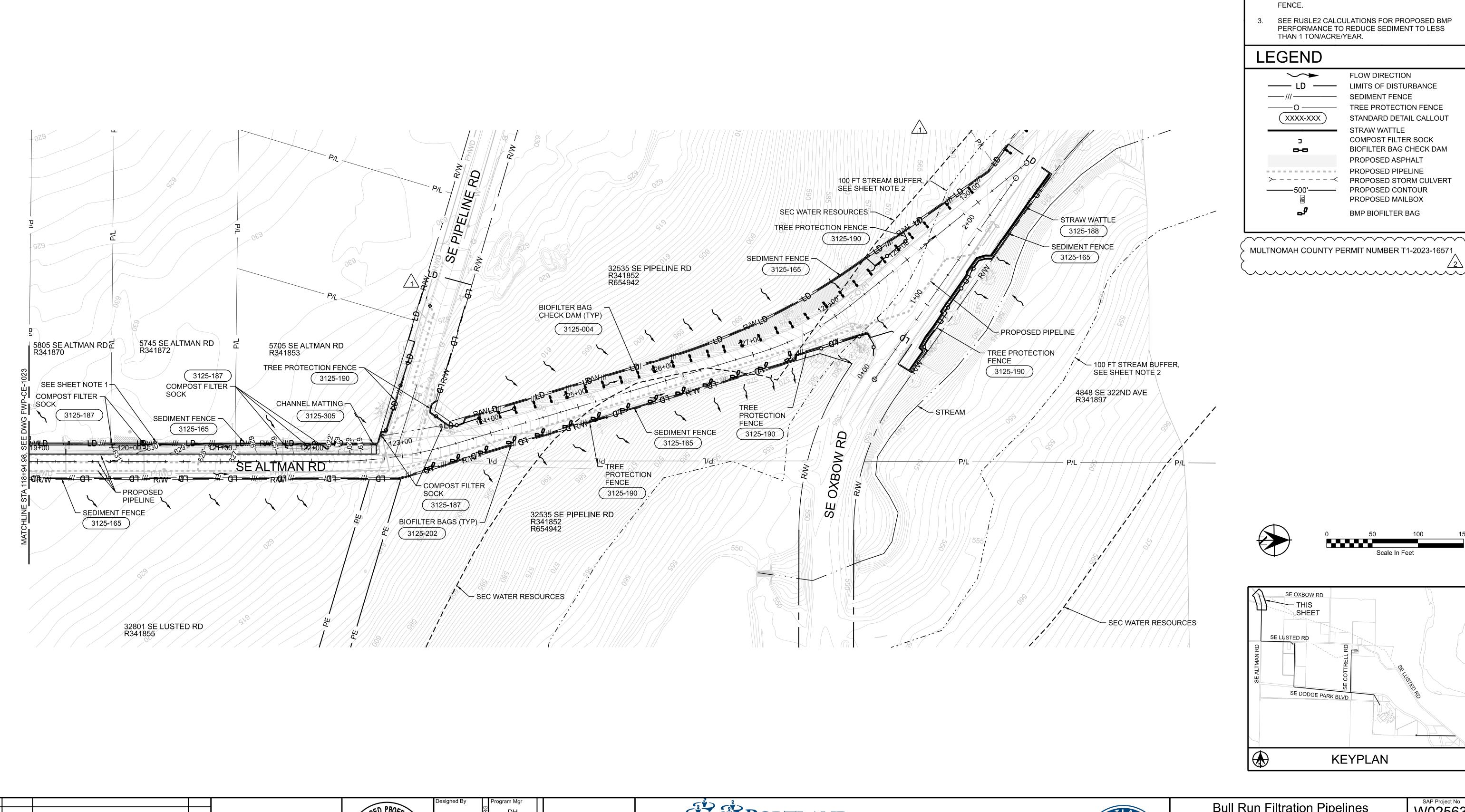
UTILITY WORK PHASE 2 LUSTED RD NORTH WIDENING

FWP-CE-1022

SAP Project No W02563



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WARNING

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CM/I Eng Mgr

9/29/23

EMERIO

EXPIRES 6-30-25

BJP

BJP

Appd

DNC-04 - CCD-0004

DNC-03 - CCD-0003

Description

Revision

10/2024

6/2024

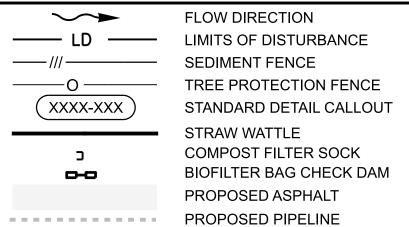
No Date

Survey

GENERAL SHEET NOTES

- 1. SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.
- FOR CONSTRUCTION WITHIN 100 FOOT BUFFER OF WET AREA, PROVIDE COMPOST FILTER SOCK 1 FOOT DOWNSLOPE OF PROPOSED SEDIMENT
- SEE RUSLE2 CALCULATIONS FOR PROPOSED BMP PERFORMANCE TO REDUCE SEDIMENT TO LESS THAN 1 TON/ACRE/YEAR.

LEGEND



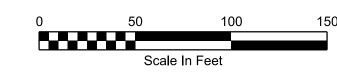
PROPOSED STORM CULVERT

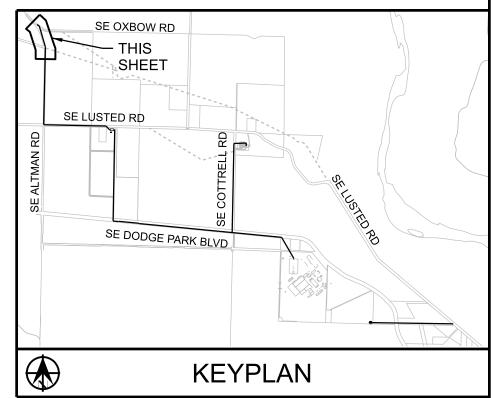
PROPOSED CONTOUR PROPOSED MAILBOX

BMP BIOFILTER BAG

MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571







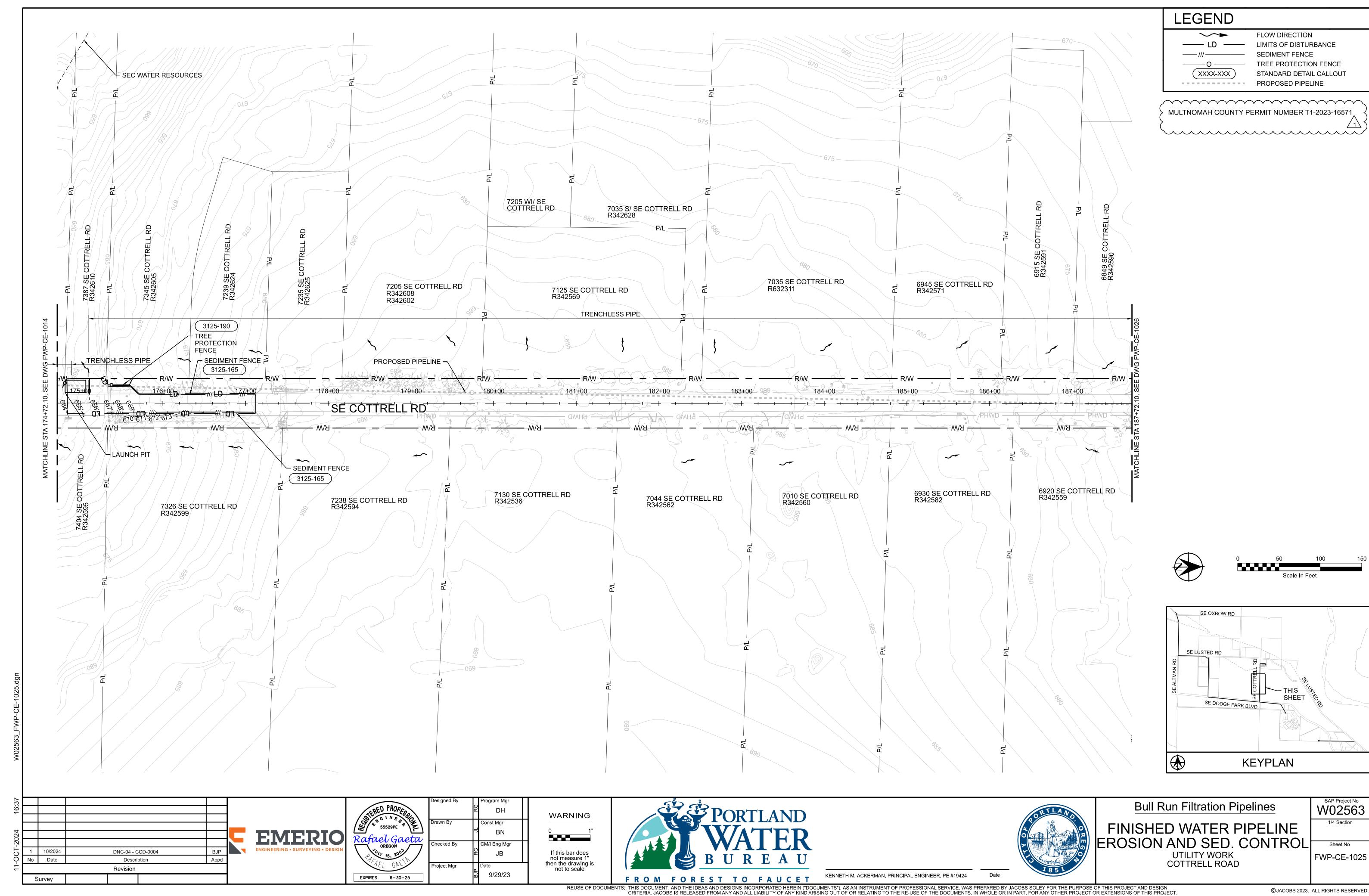
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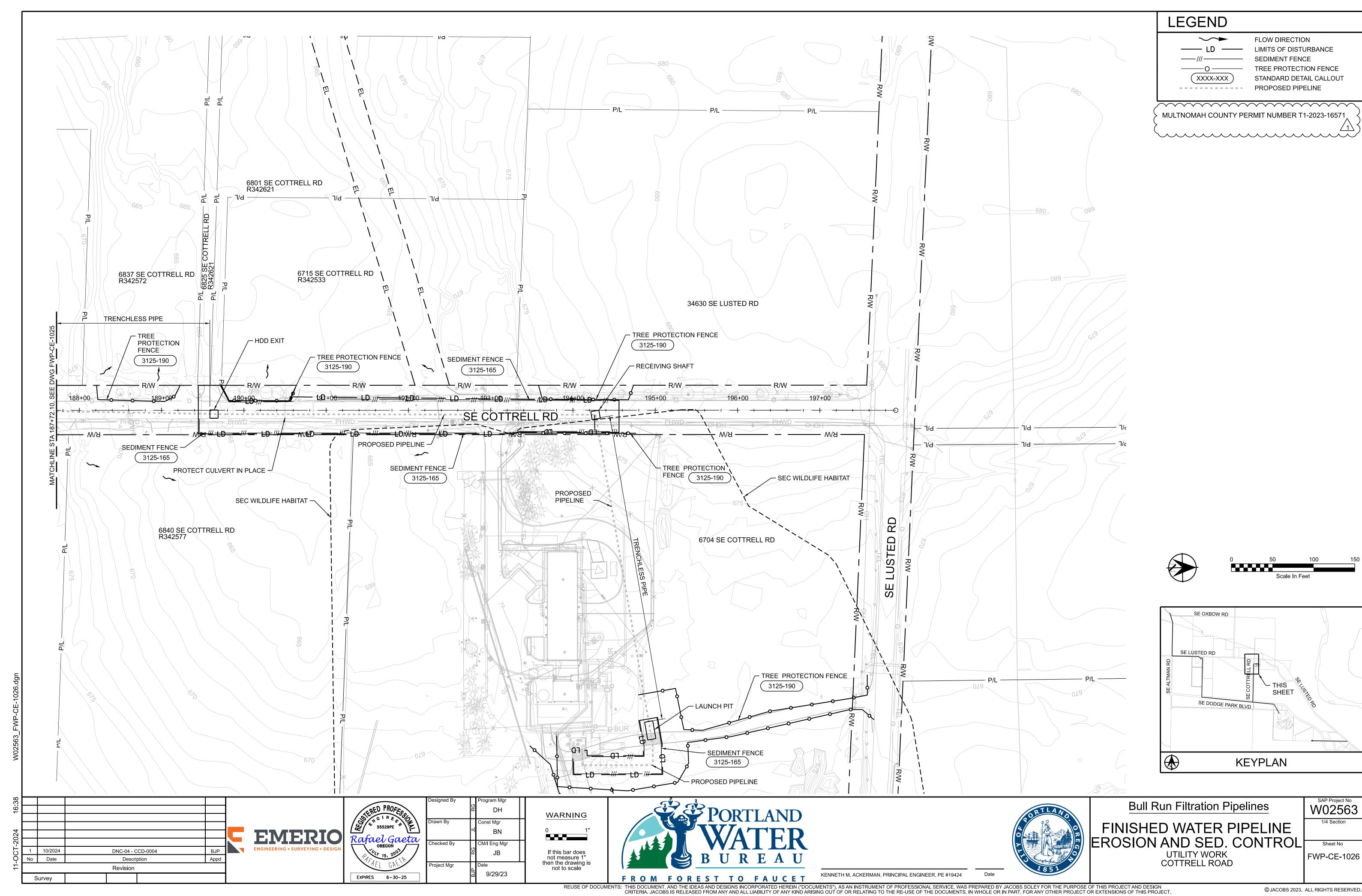
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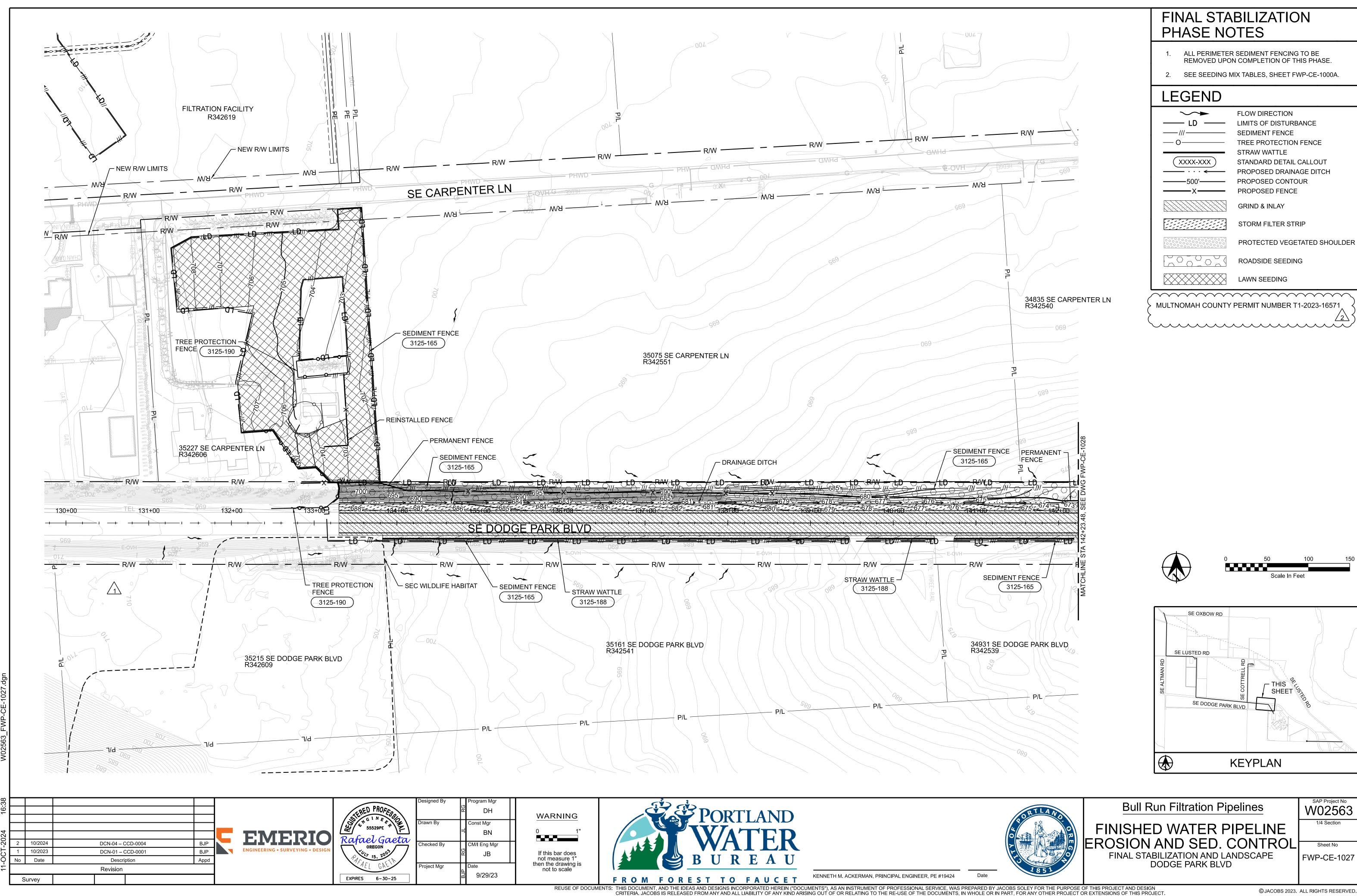
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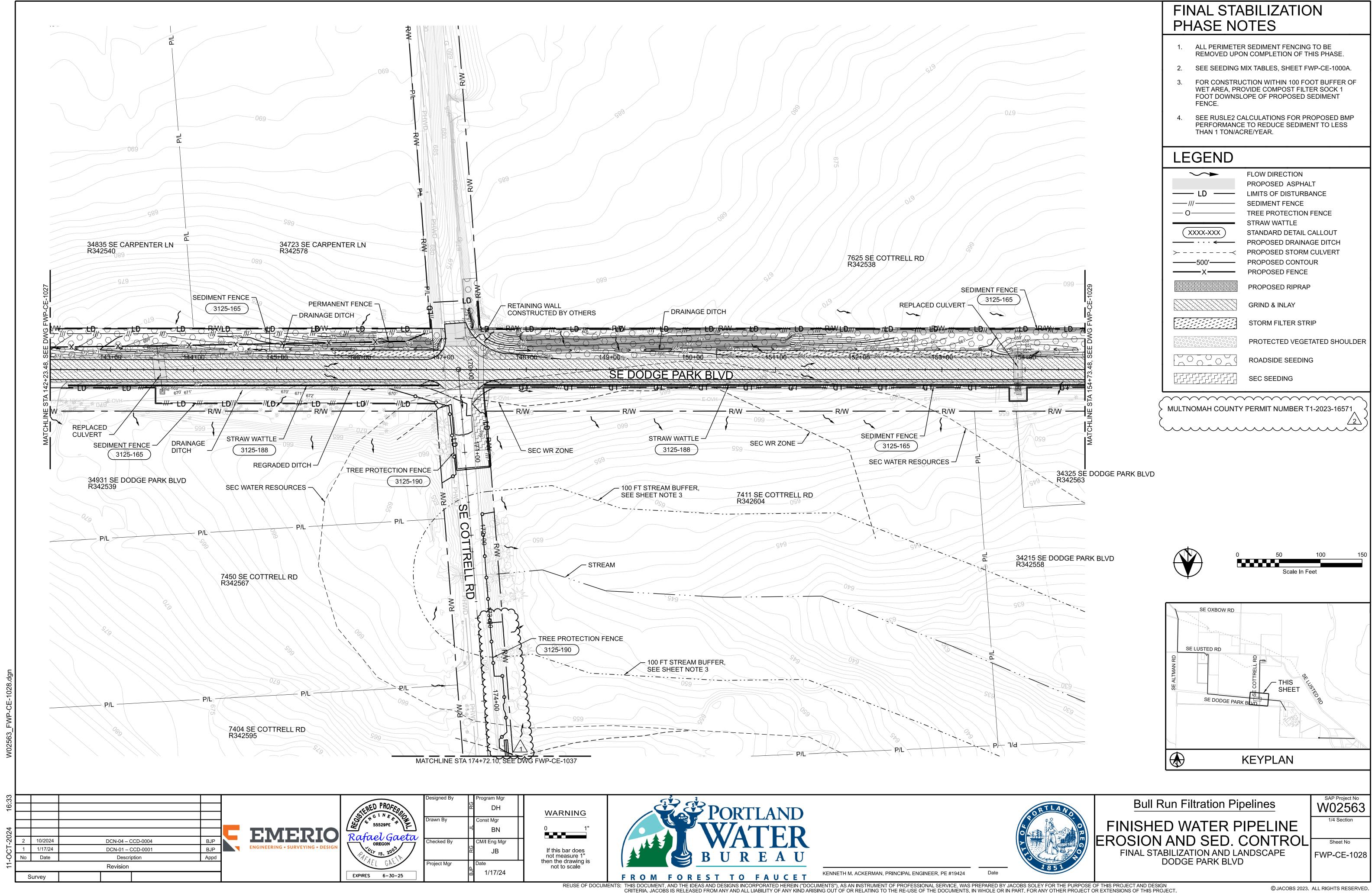
FWP-CE-1024

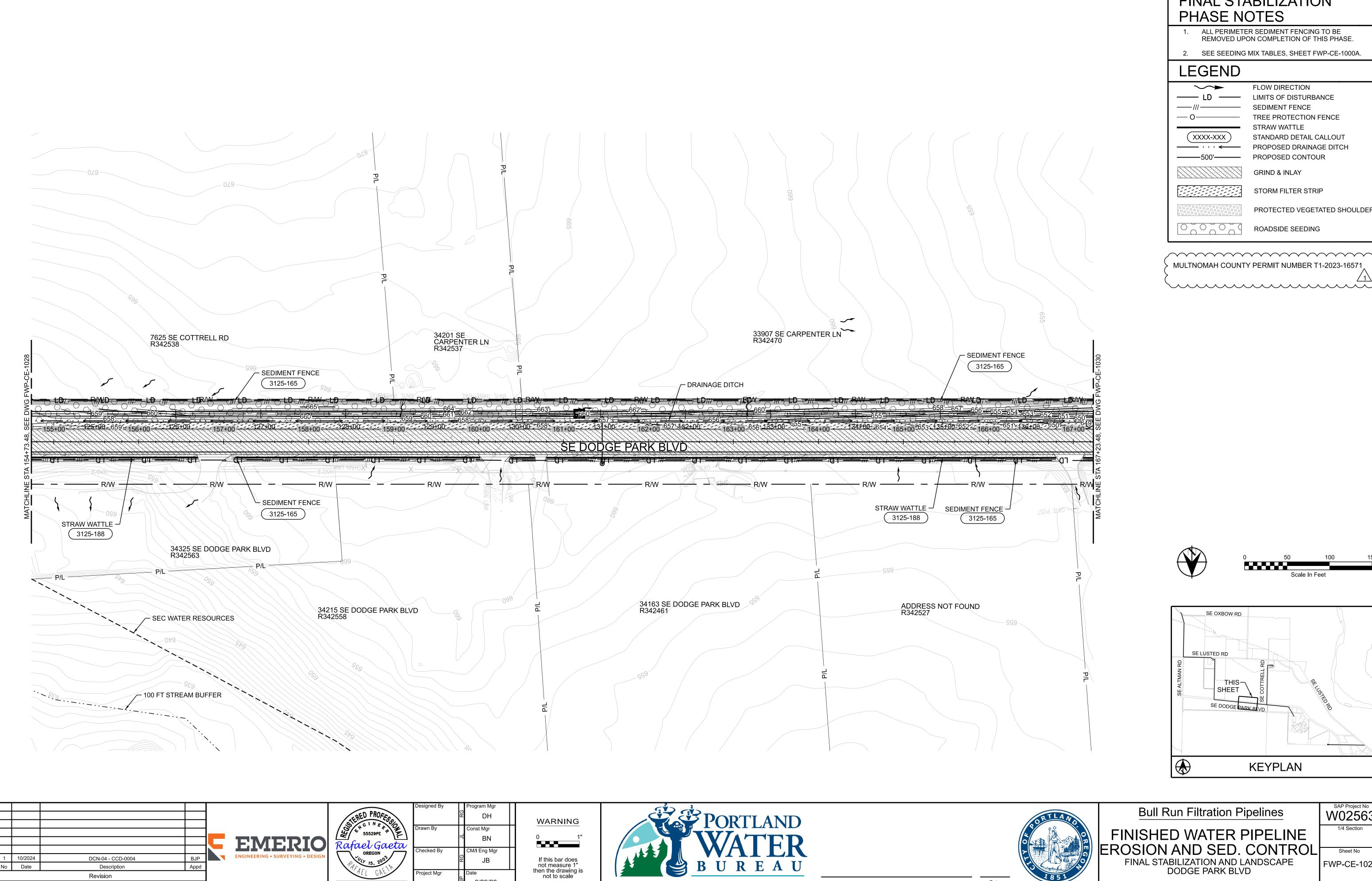
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9/29/23

EXPIRES 6-30-25

Survey

FINAL STABILIZATION

ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.

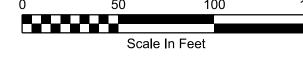
SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A

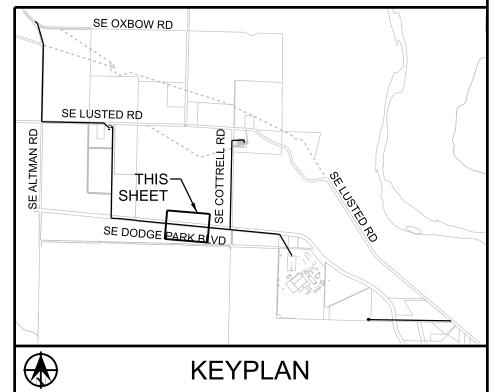
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GRIND & INLAY

STORM FILTER STRIP PROTECTED VEGETATED SHOULDER

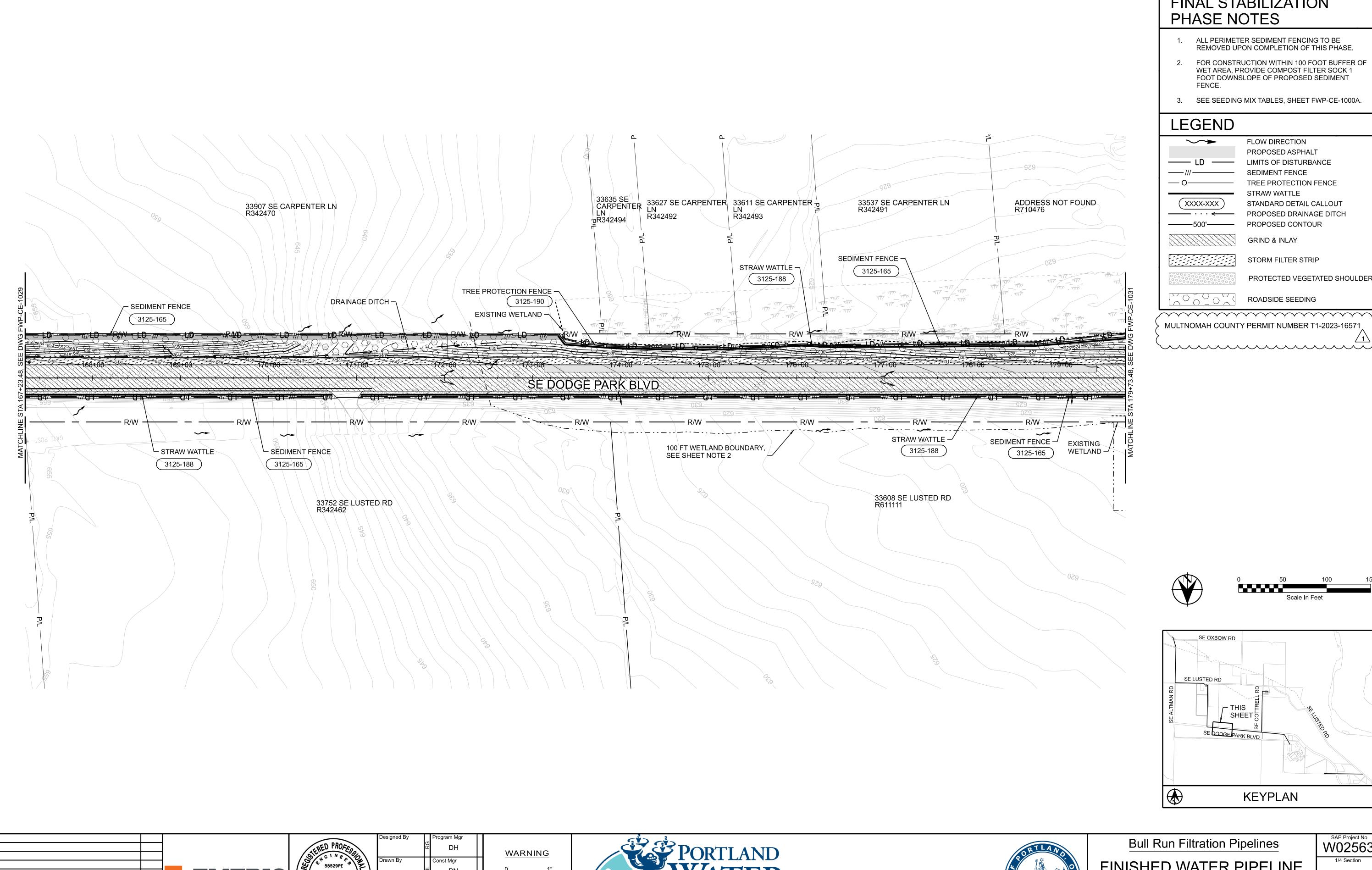
MULTNOMAH COUNTY PERMIT NUMBER T1-2023-1657





FWP-CE-1029

SAP Project No W02563



FINAL STABILIZATION PHASE NOTES

- 1. ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.
- FOR CONSTRUCTION WITHIN 100 FOOT BUFFER OF WET AREA, PROVIDE COMPOST FILTER SOCK 1 FOOT DOWNSLOPE OF PROPOSED SEDIMENT
- SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A.

LEGEND

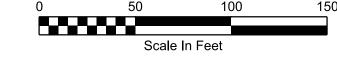
~~	FLOW DIRECTION
	PROPOSED ASPHALT
—— LD ——	LIMITS OF DISTURBANCE
 ///	SEDIMENT FENCE
<u> </u>	TREE PROTECTION FENCE
	STRAW WATTLE
(XXXX-XXX)	STANDARD DETAIL CALLOUT
	PROPOSED DRAINAGE DITCH
500'	PROPOSED CONTOUR
	GRIND & INLAY

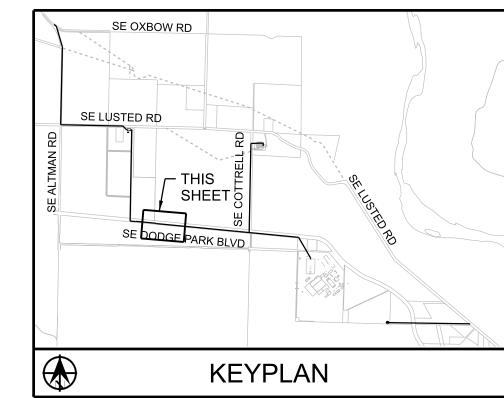
MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571

STORM FILTER STRIP

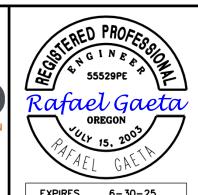
ROADSIDE SEEDING

PROTECTED VEGETATED SHOULDER



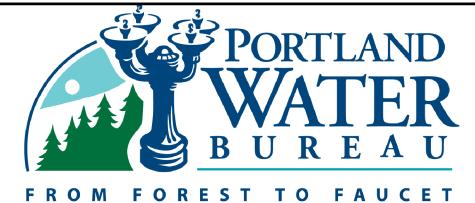


BJP 10/2024 DCN-04 - CCD-0004 No Date Description Revision



9/29/23



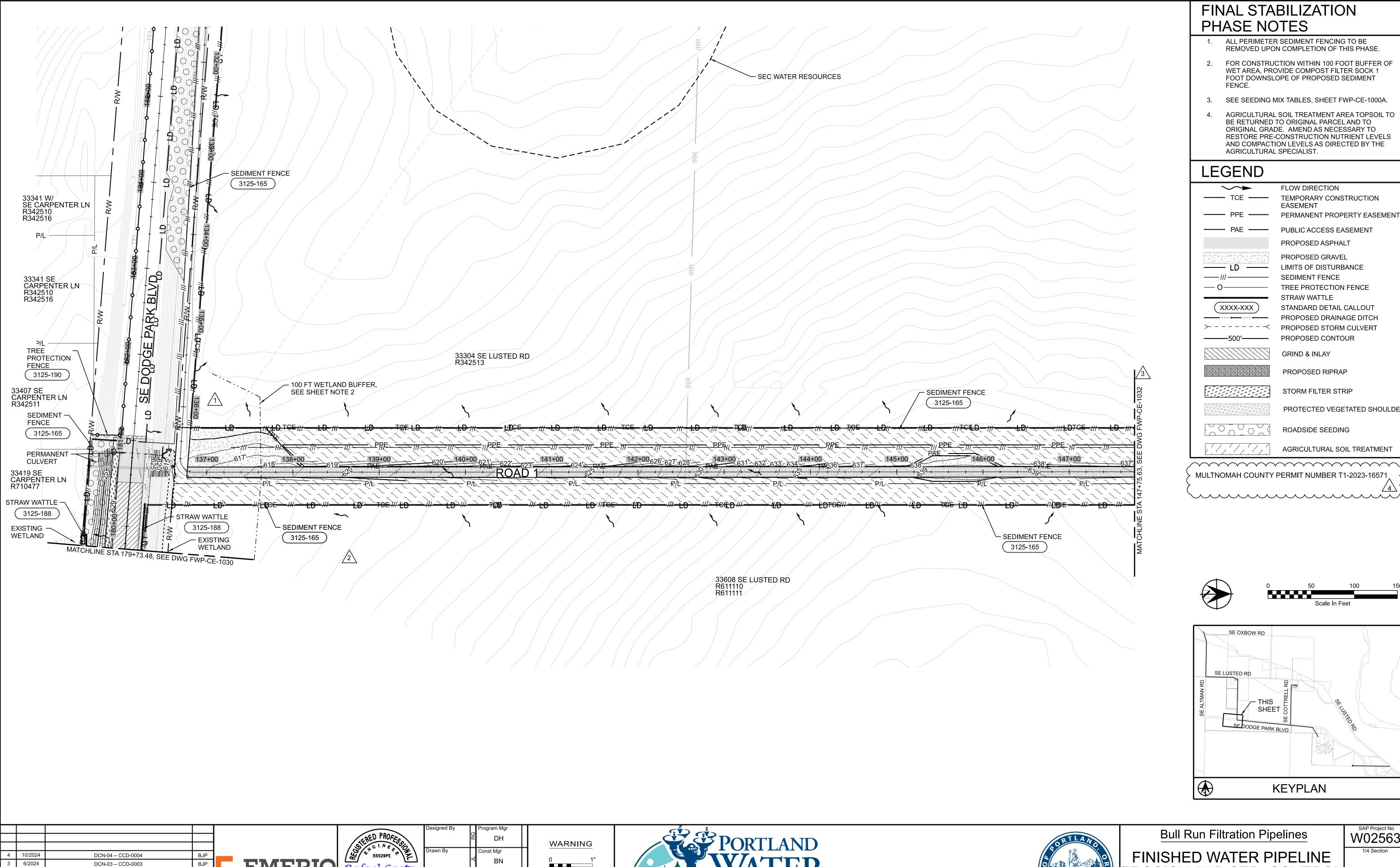




Bull Run Filtration Pipelines

FINISHED WATER PIPELINE ROSION AND SED. CONTROL FINAL STABILIZATION AND LANDSCAPE DODGE PARK BLVD

SAP Project No W02563 FWP-CE-1030



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9/29/23

EXPIRES 6-30-25

BJP

BJP

1/2024

6/7/23

Date

Survey

DCN-01 - CCD-0001

ADDENDA NO. 1 - 100% REVIEW COMMENT UPDATE

Description

Revision

FINAL STABILIZATION PHASE NOTES

- ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.
- FOR CONSTRUCTION WITHIN 100 FOOT BUFFER OF WET AREA, PROVIDE COMPOST FILTER SOCK 1 FOOT DOWNSLOPE OF PROPOSED SEDIMENT
- SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A
- AGRICULTURAL SOIL TREATMENT AREA TOPSOIL TO BE RETURNED TO ORIGINAL PARCEL AND TO ORIGINAL GRADE. AMEND AS NECESSARY TO RESTORE PRE-CONSTRUCTION NUTRIENT LEVELS AND COMPACTION LEVELS AS DIRECTED BY THE AGRICULTURAL SPECIALIST.

LEGEND

FLOW DIRECTION TEMPORARY CONSTRUCTION EASEMENT PERMANENT PROPERTY EASEMENT

PUBLIC ACCESS EASEMENT

PROPOSED ASPHALT PROPOSED GRAVEL

LIMITS OF DISTURBANCE SEDIMENT FENCE TREE PROTECTION FENCE

STRAW WATTLE STANDARD DETAIL CALLOUT XXXX-XXX PROPOSED DRAINAGE DITCH PROPOSED STORM CULVERT

GRIND & INLAY

PROPOSED RIPRAP

STORM FILTER STRIP

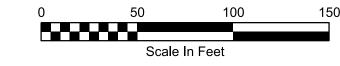
PROPOSED CONTOUR

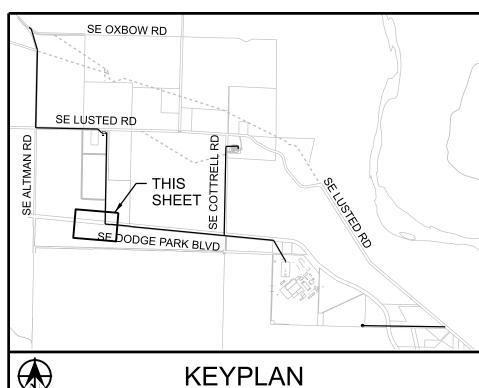
PROTECTED VEGETATED SHOULDER

ROADSIDE SEEDING AGRICULTURAL SOIL TREATMENT

MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571





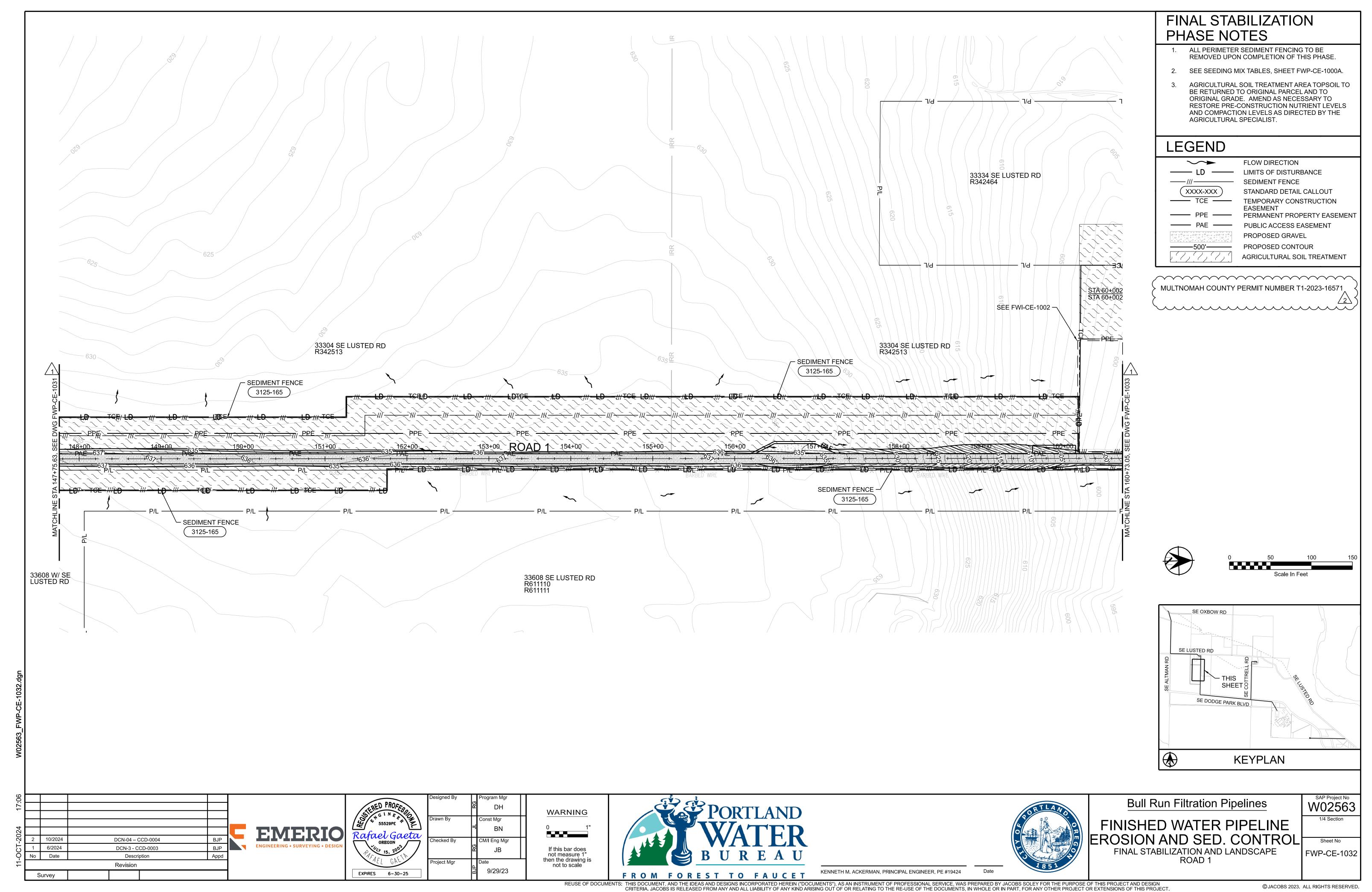


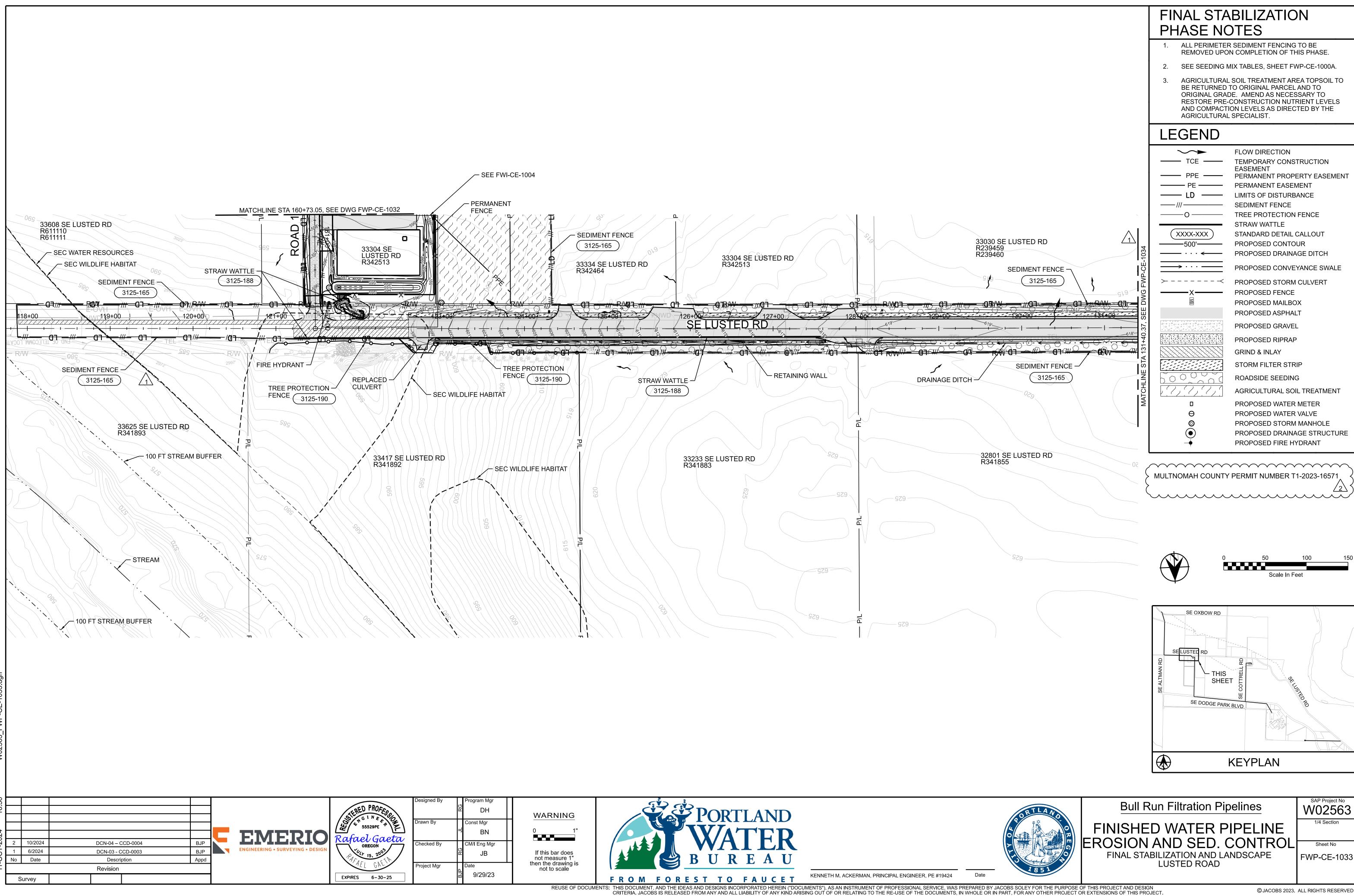
Bull Run Filtration Pipelines

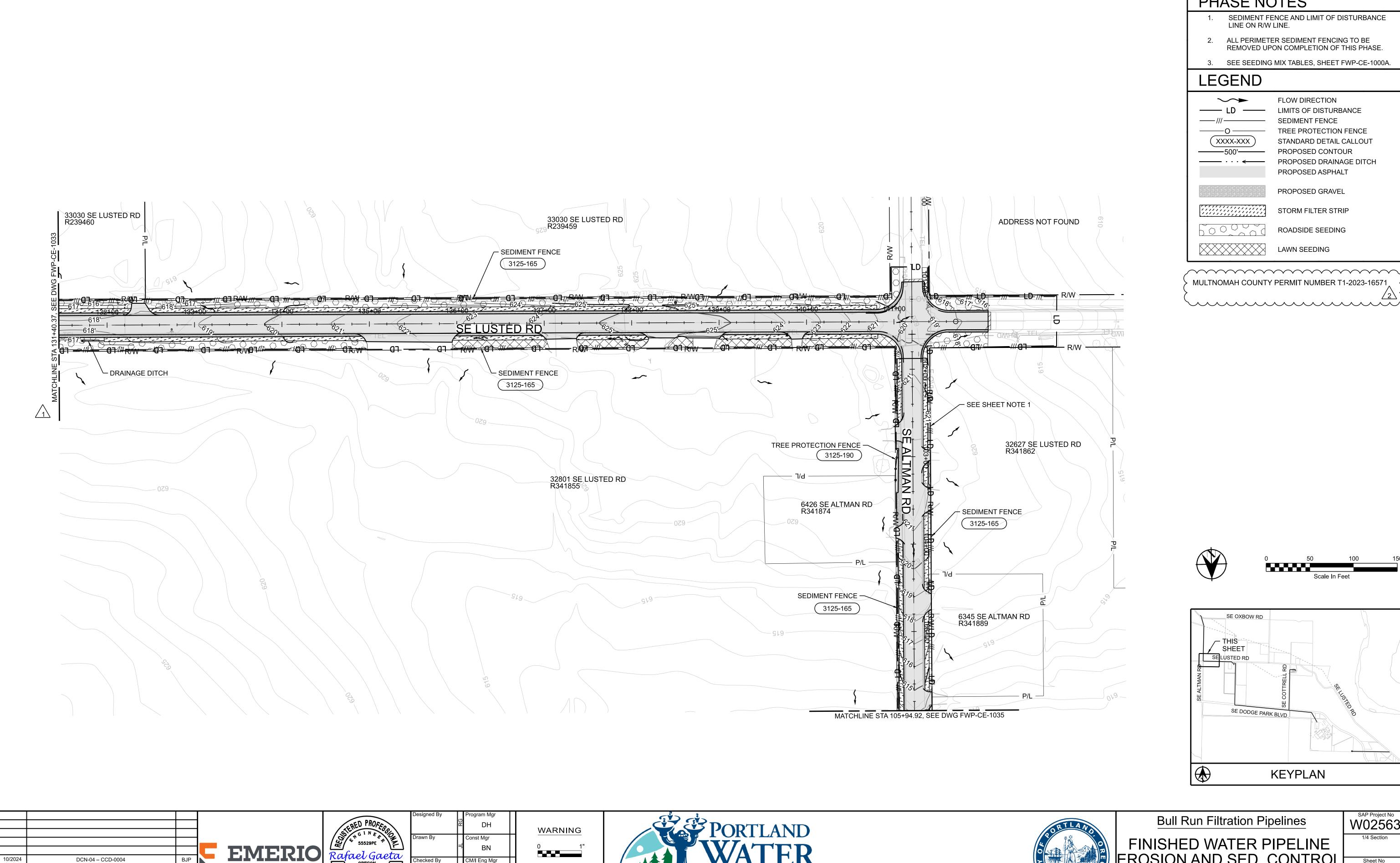
FINISHED WATER PIPELINE

ROSION AND SED. CONTROL FINAL STABILIZATION AND LANDSCAPE ROAD 1

SAP Project No W02563 Sheet No FWP-CE-1031







9/29/23

Appd

DCN-03 - CCD-0003

Description

Revision

6/2024

No Date

Survey

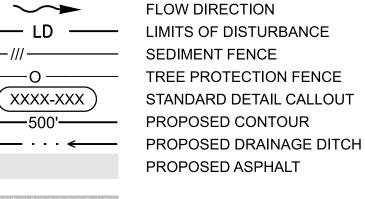
FINAL STABILIZATION PHASE NOTES

1. SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.

2. ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.

3. SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A.

LEGEND

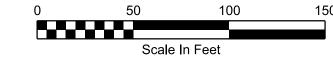


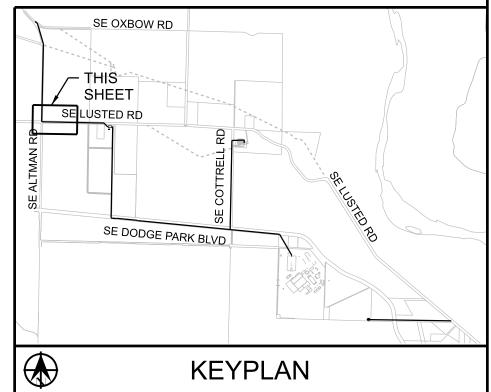
PROPOSED GRAVEL STORM FILTER STRIP

ROADSIDE SEEDING

LAWN SEEDING

MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571





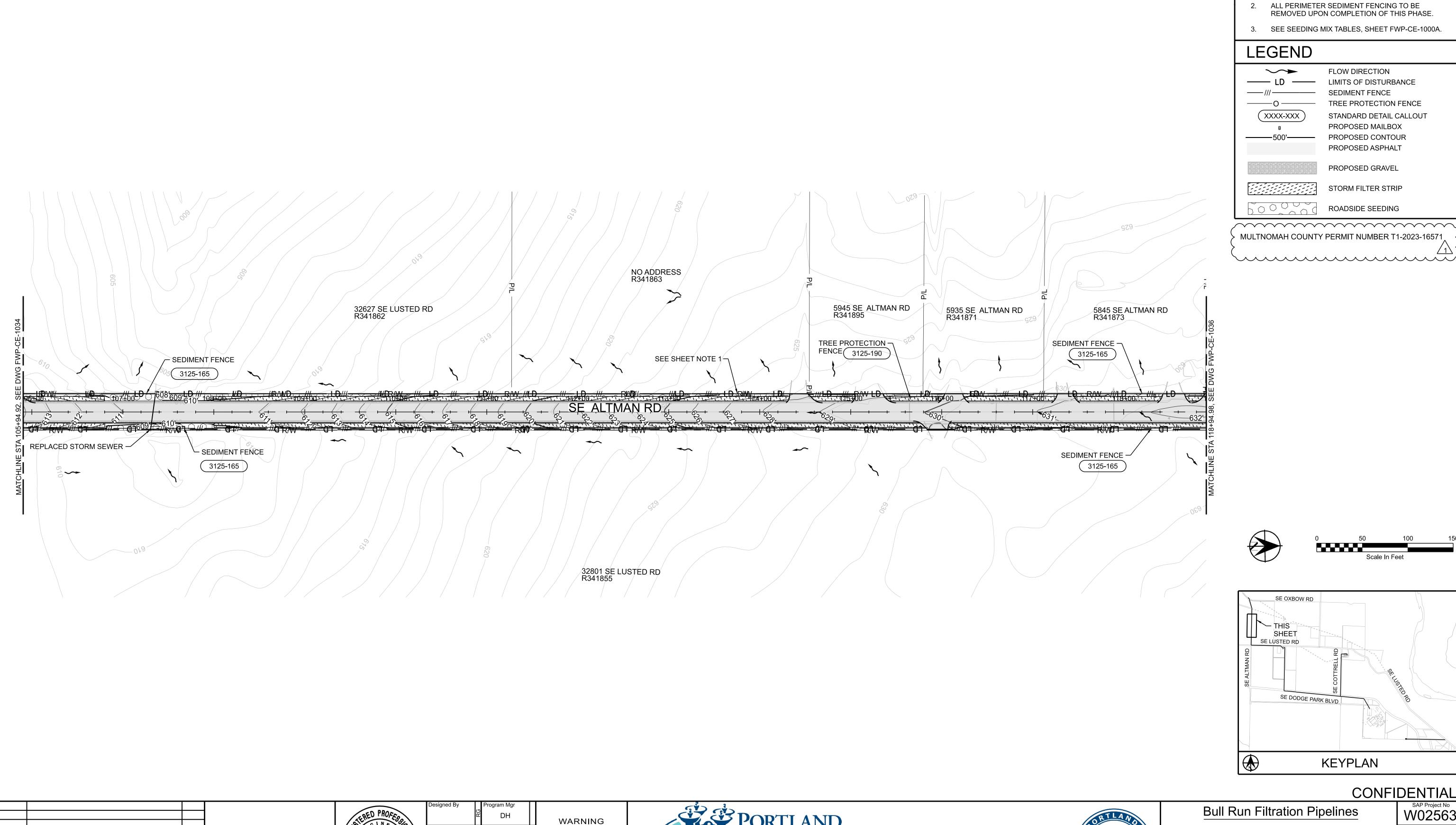
Bull Run Filtration Pipelines

FINISHED WATER PIPELINE ROSION AND SED. CONTROL

FINAL STABILIZATION AND LANDSCAPE LUSTED ROAD

SAP Project No W02563 FWP-CE-1034

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9/29/23

BJP

DCN-04 - CCD-0004

Description

Revision

10/2024

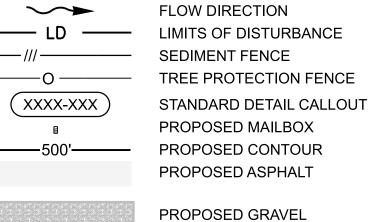
No Date

Survey

FINAL STABILIZATION PHASE NOTES

- SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.
- 2. ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.
- SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A

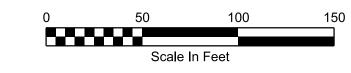
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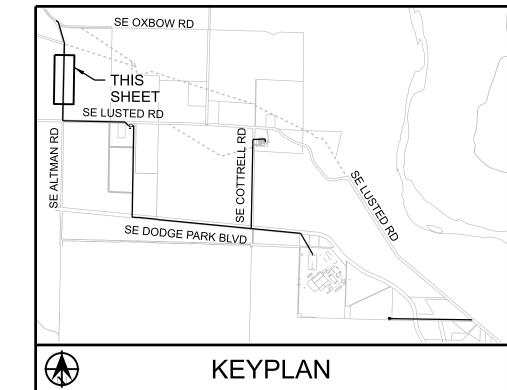


STORM FILTER STRIP

ROADSIDE SEEDING

MULTNOMAH COUNTY PERMIT NUMBER T1-2023-1657





CONFIDENTIAL SAP Project No W02563

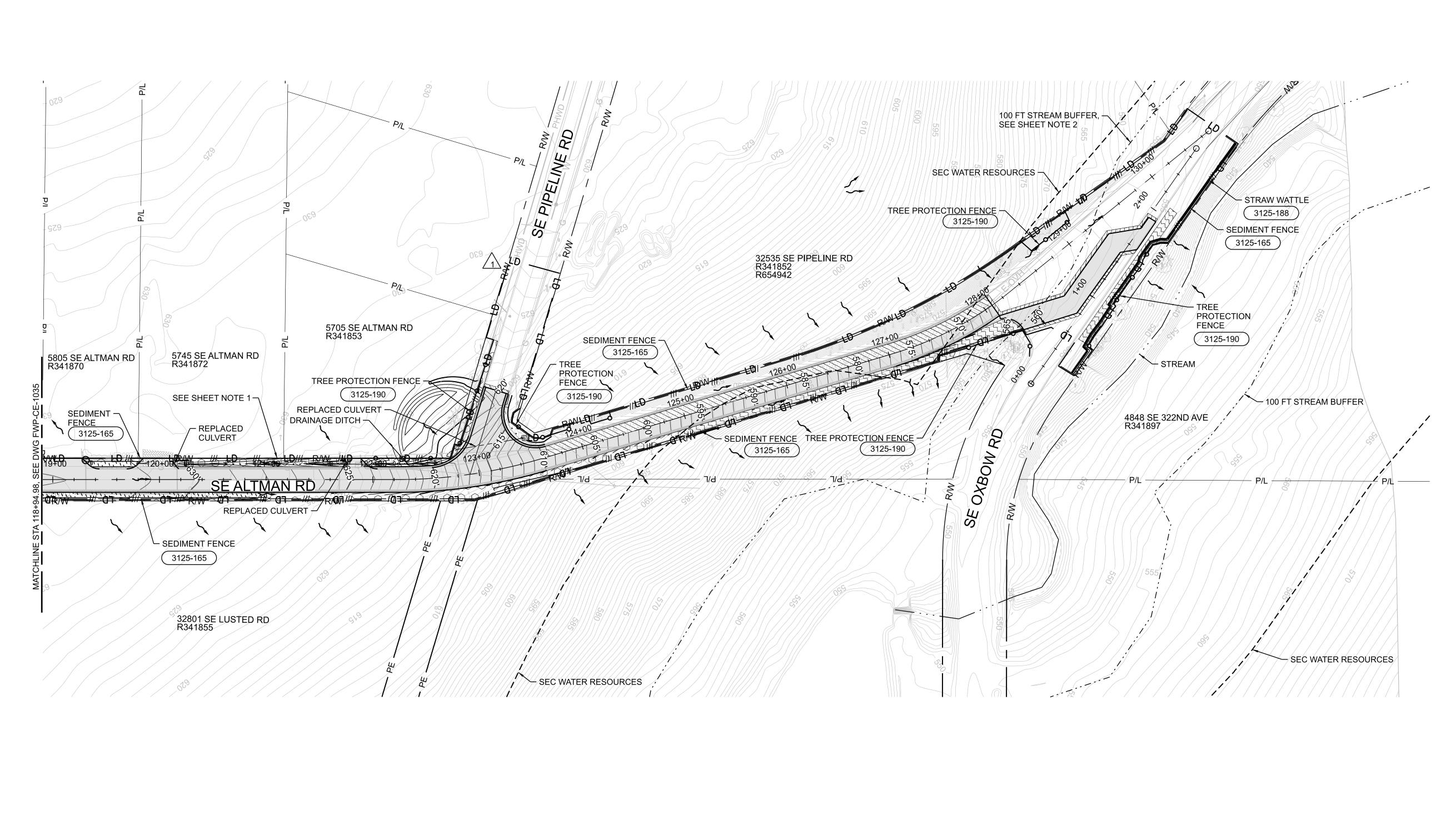
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FINISHED WATER PIPELINE

FINAL STABILIZATION AND LANDSCAPE ALTMAN ROAD

FWP-CE-1035

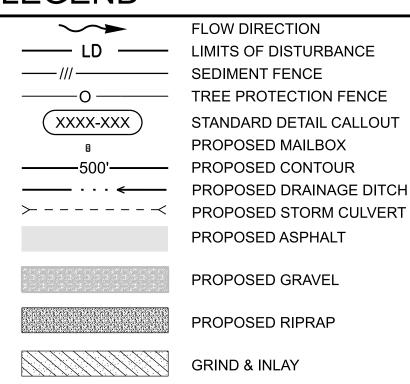
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FINAL STABILIZATION PHASE NOTES

- . SEDIMENT FENCE AND LIMIT OF DISTURBANCE LINE ON R/W LINE.
- FOR CONSTRUCTION WITHIN 100 FOOT BUFFER OF WET AREA, PROVIDE COMPOST FILTER SOCK 1 FOOT DOWNSLOPE OF PROPOSED SEDIMENT FENCE.
- ALL PERIMETER SEDIMENT FENCING TO BE REMOVED UPON COMPLETION OF THIS PHASE.
- 4. SEE SEEDING MIX TABLES, SHEET FWP-CE-1000A

LEGEND

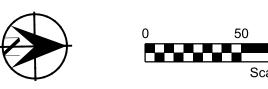


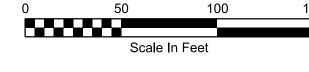
MULTNOMAH COUNTY PERMIT NUMBER T1-2023-16571

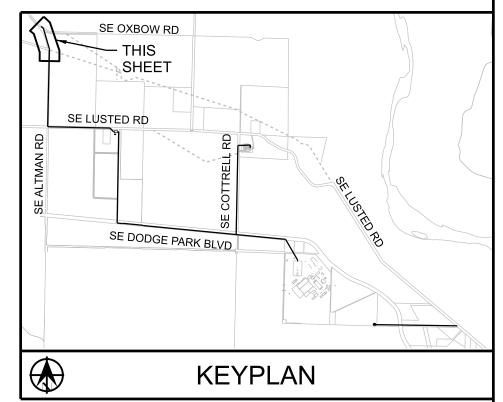
STORM FILTER STRIP

ROADSIDE SEEDING

SEC SEEDING







DCN-04 - CCD-0004

DCN-03 - CCD-0003

Description

Revision

10/2024

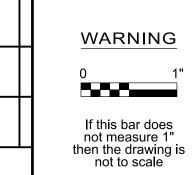
6/2024

No Date

Survey

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Designation of the control of the co



9/29/23





Bull Run Filtration Pipelines
FINISHED WATER PIPELINE
FROSION AND SED CONTROL

COSION AND SED. CONTR FINAL STABILIZATION AND LANDSCAPE ALTMAN ROAD SAP Project No W02563

1/4 Section

Sheet No

FWP-CE-1036

