

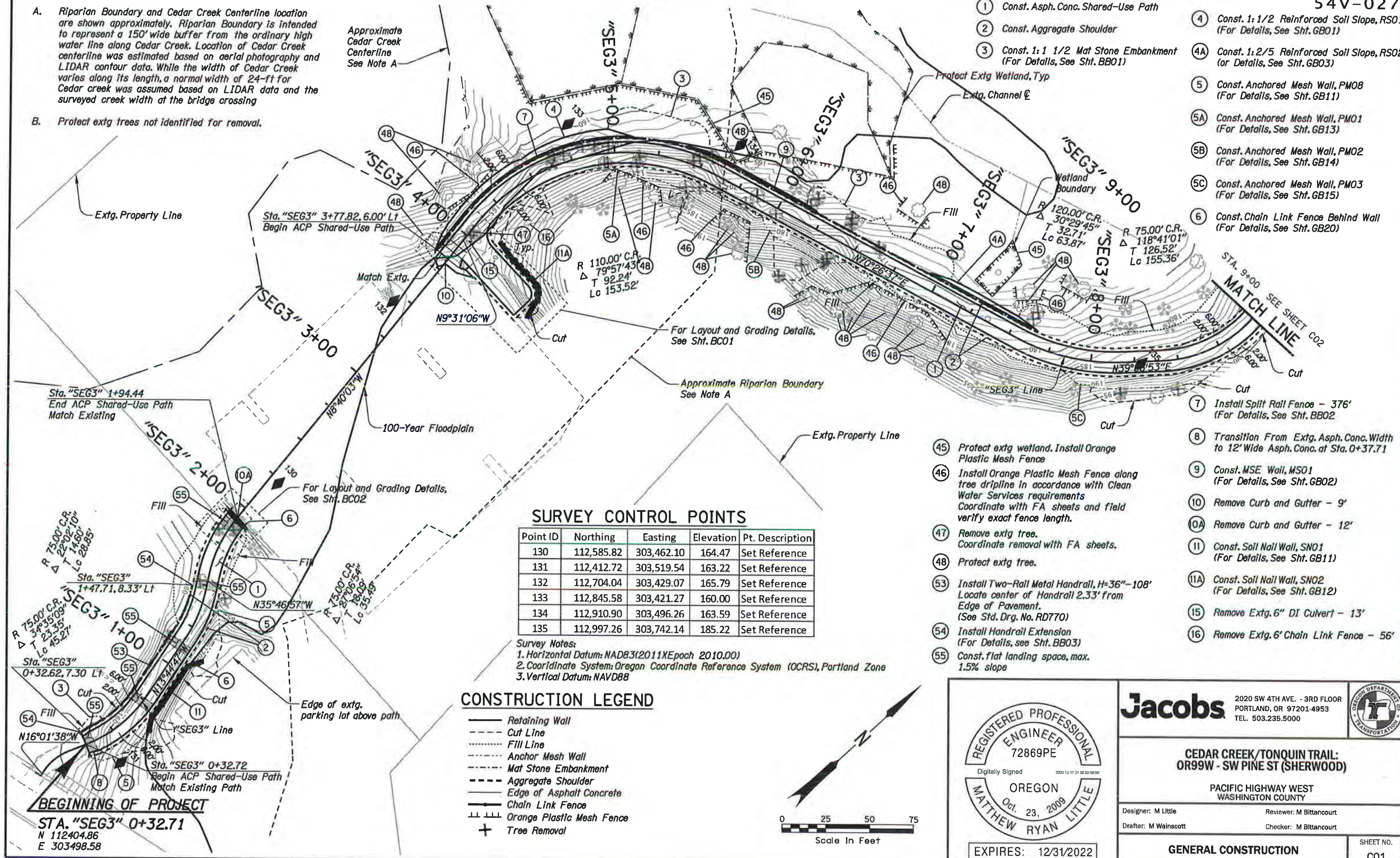
General Notes:

- A. Riparian Boundary and Cedar Creek Centerline location are shown approximately. Riparian Boundary is intended to represent a 150' wide buffer from the ordinary high water line along Cedar Creek. Location of Cedar Creek centerline was estimated based on aerial photography and LIDAR contour data. While the width of Cedar Creek varies along its length, a normal width of 24-ft for Cedar creek was assumed based on LIDAR data and the surveyed creek width at the bridge crossing
- B. Protect extg trees not identified for removal.

Approximate Cedar Creek Centerline
See Note A

- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BB01)

- ④ Const. 1:1/2 Reinforced Soil Slope, RS01 (For Details, See Sht. GB01)
- ④A Const. 1:2/5 Reinforced Soil Slope, RS02 (For Details, See Sht. GB03)
- ⑤ Const. Anchored Mesh Wall, PM08 (For Details, See Sht. GB11)
- ⑤A Const. Anchored Mesh Wall, PM01 (For Details, See Sht. GB13)
- ⑤B Const. Anchored Mesh Wall, PM02 (For Details, See Sht. GB14)
- ⑤C Const. Anchored Mesh Wall, PM03 (For Details, See Sht. GB15)
- ⑥ Const. Chain Link Fence Behind Wall (For Details, See Sht. GB20)



SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
130	112,585.82	303,462.10	164.47	Set Reference
131	112,412.72	303,519.54	163.22	Set Reference
132	112,704.04	303,429.07	165.79	Set Reference
133	112,845.58	303,421.27	160.00	Set Reference
134	112,910.90	303,496.26	163.59	Set Reference
135	112,997.26	303,742.14	185.22	Set Reference

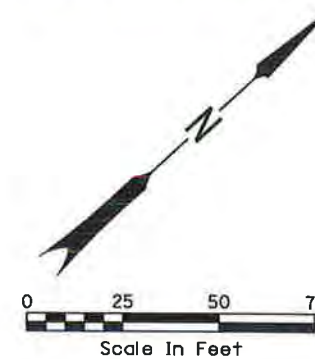
Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88

CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- - - - Anchor Mesh Wall
- - - - Mat Stone Embankment
- - - - Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

- ④5 Protect extg wetland. Install Orange Plastic Mesh Fence
- ④6 Install Orange Plastic Mesh Fence along tree dripline in accordance with Clean Water Services requirements Coordinate with FA sheets and field verify exact fence length.
- ④7 Remove extg tree. Coordinate removal with FA sheets.
- ④8 Protect extg tree.
- ⑤3 Install Two-Rail Metal Handrail, H=36"-108' Locate center of Handrail 2.33' from Edge of Pavement. (See Std. Drg. No. RD770)
- ⑤4 Install Handrail Extension (For Details, see Sht. BB03)
- ⑤5 Const. flat landing space, max. 1.5% slope

- ⑦ Install Split Rail Fence - 376' (For Details, See Sht. BB02)
- ⑧ Transition From Extg. Asph. Conc. Width to 12' Wide Asph. Conc. at Sta. 0+37.71
- ⑨ Const. MSE Wall, MS01 (For Details, See Sht. GB02)
- ⑩ Remove Curb and Gutter - 9'
- ⑩A Remove Curb and Gutter - 12'
- ⑪ Const. Soil Nail Wall, SNO1 (For Details, See Sht. GB11)
- ⑪A Const. Soil Nail Wall, SNO2 (For Details, See Sht. GB12)
- ⑮ Remove Extg. 6" DI Culvert - 13'
- ⑮ Remove Extg. 6' Chain Link Fence - 56'



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

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

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

GENERAL CONSTRUCTION

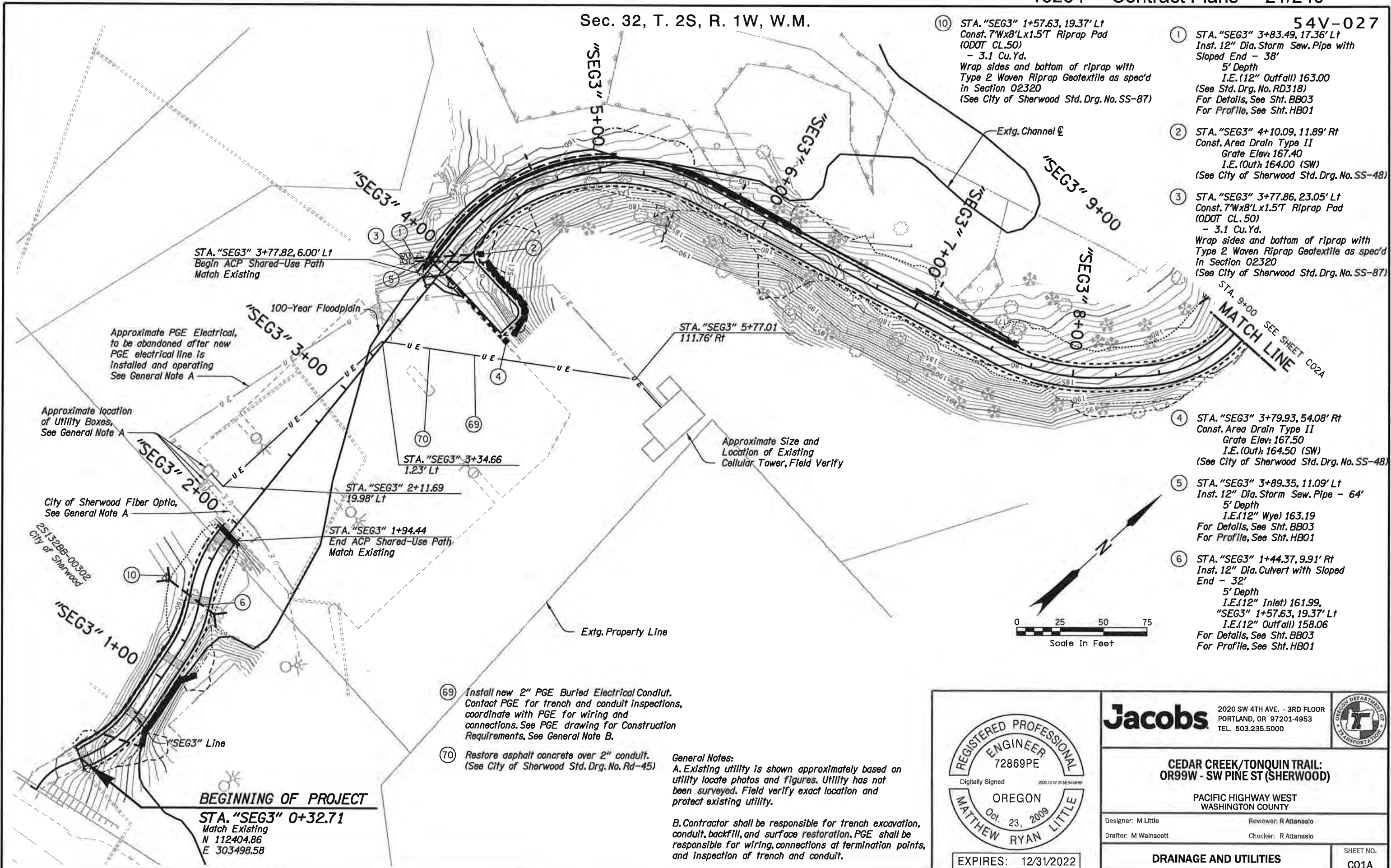
SHEET NO.
 C01

EXPIRES: 12/31/2022

FINAL ELECTRONIC DOCUMENT
 AVAILABLE UPON REQUEST

Sec. 32, T. 2S, R. 1W, W.M.

54V-027



- ① STA. "SEG3" 3+83.49, 17.36' Lt
Inst. 12" Dia. Storm Sew. Pipe with Sloped End - 38'
5' Depth
I.E. (12" Outfall) 163.00
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
For Profile, See Sht. HB01
- ② STA. "SEG3" 4+10.09, 11.89' Rt
Const. Area Drain Type II
Grate Elev: 167.40
I.E. (Out): 164.00 (SW)
(See City of Sherwood Std. Drg. No. SS-48)
- ③ STA. "SEG3" 3+77.86, 23.05' Lt
Const. 7'x8'Lx1.5'T Riprap Pad (ODOT CL.50)
- 3.1 Cu.Yd.
Wrap sides and bottom of riprap with Type 2 Woven Riprap Geotextile as spec'd in Section 02320
(See City of Sherwood Std. Drg. No. SS-87)
- ④ STA. "SEG3" 3+79.93, 54.08' Rt
Const. Area Drain Type II
Grate Elev: 167.50
I.E. (Out): 164.50 (SW)
(See City of Sherwood Std. Drg. No. SS-48)
- ⑤ STA. "SEG3" 3+89.35, 11.09' Lt
Inst. 12" Dia. Storm Sew. Pipe - 64'
5' Depth
I.E. (12" Wye) 163.19
For Details, See Sht. BB03
For Profile, See Sht. HB01
- ⑥ STA. "SEG3" 1+44.37, 9.91' Rt
Inst. 12" Dia. Culvert with Sloped End - 32'
5' Depth
I.E. (12" Inlet) 161.99,
"SEG3" 1+57.63, 19.37' Lt
I.E. (12" Outfall) 158.06
For Details, See Sht. BB03
For Profile, See Sht. HB01

- ⑥9 Install new 2" PGE Buried Electrical Conduit. Contact PGE for trench and conduit inspections, coordinate with PGE for wiring and connections. See PGE drawing for Construction Requirements. See General Note B.
- ⑦0 Restore asphalt concrete over 2" conduit. (See City of Sherwood Std. Drg. No. Rd-45)

General Notes:
 A. Existing utility is shown approximately based on utility locate photos and figures. Utility has not been surveyed. Field verify exact location and protect existing utility.
 B. Contractor shall be responsible for trench excavation, conduit, backfill, and surface restoration. PGE shall be responsible for wiring, connections at termination points, and inspection of trench and conduit.



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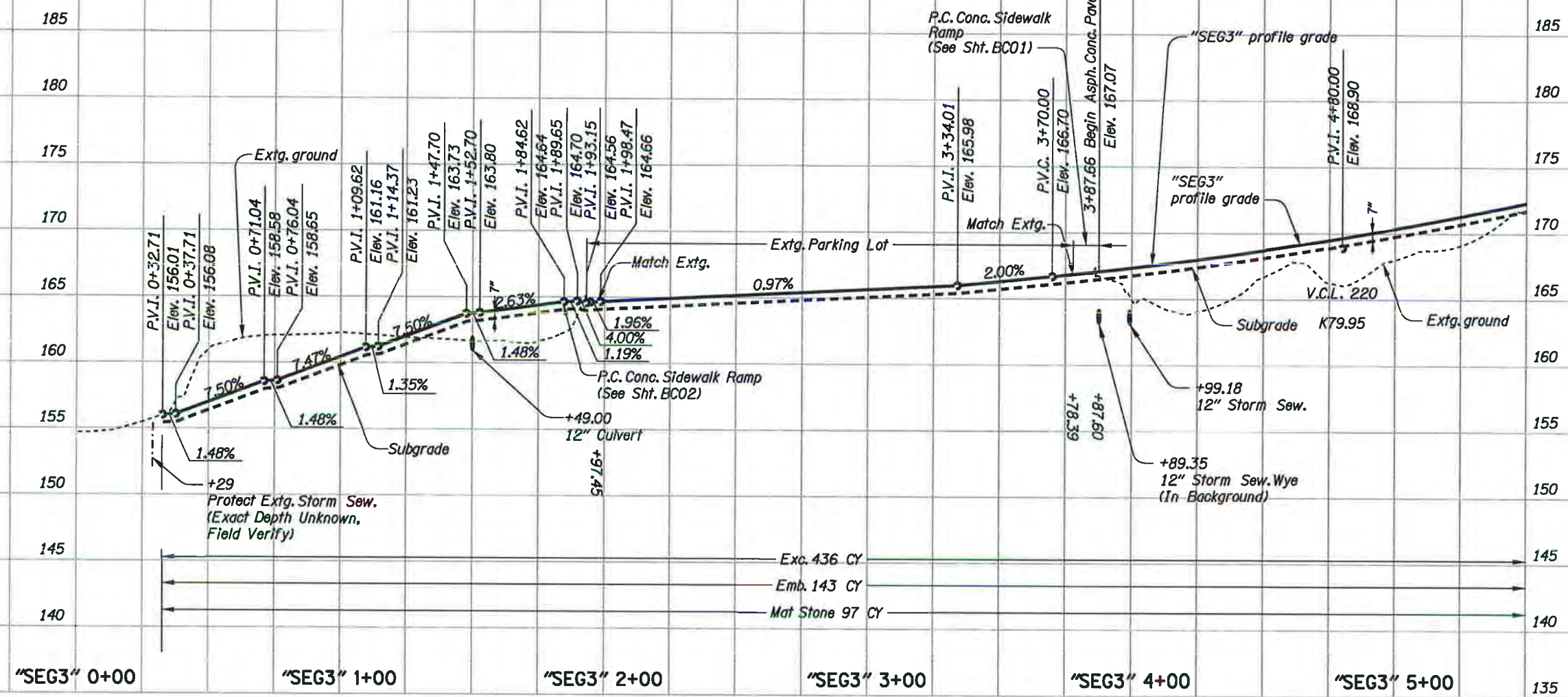
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

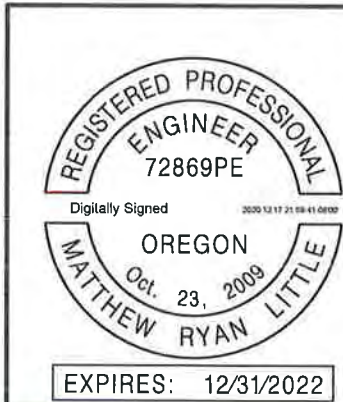
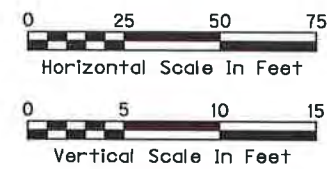
Designer: M Little
 Drafter: M Wainscott
 Reviewer: R Attanasio
 Checker: R Attanasio

DRAINAGE AND UTILITIES

SHEET NO.
 C01A



Exc. 436 CY
 Emb. 143 CY
 Mat Stone 97 CY



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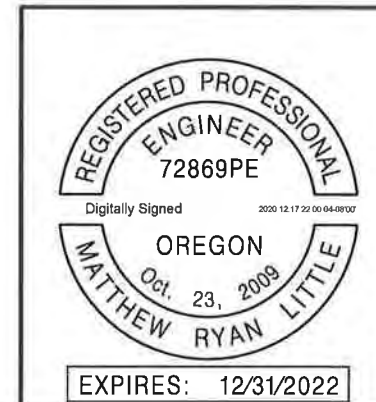
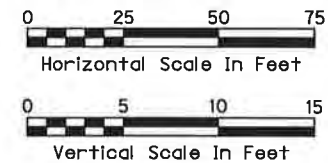
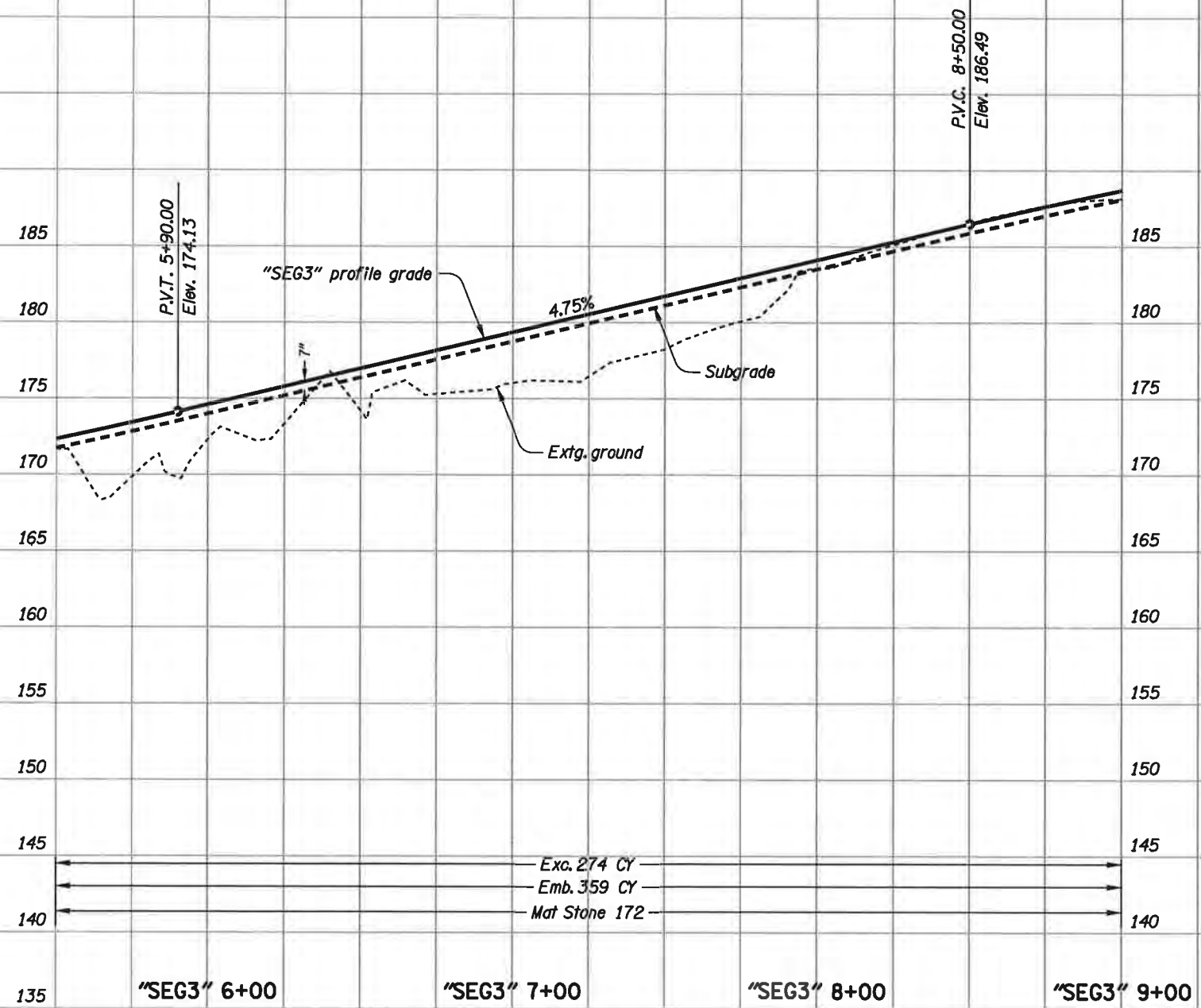
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

PROFILE

SHEET NO.
C01B



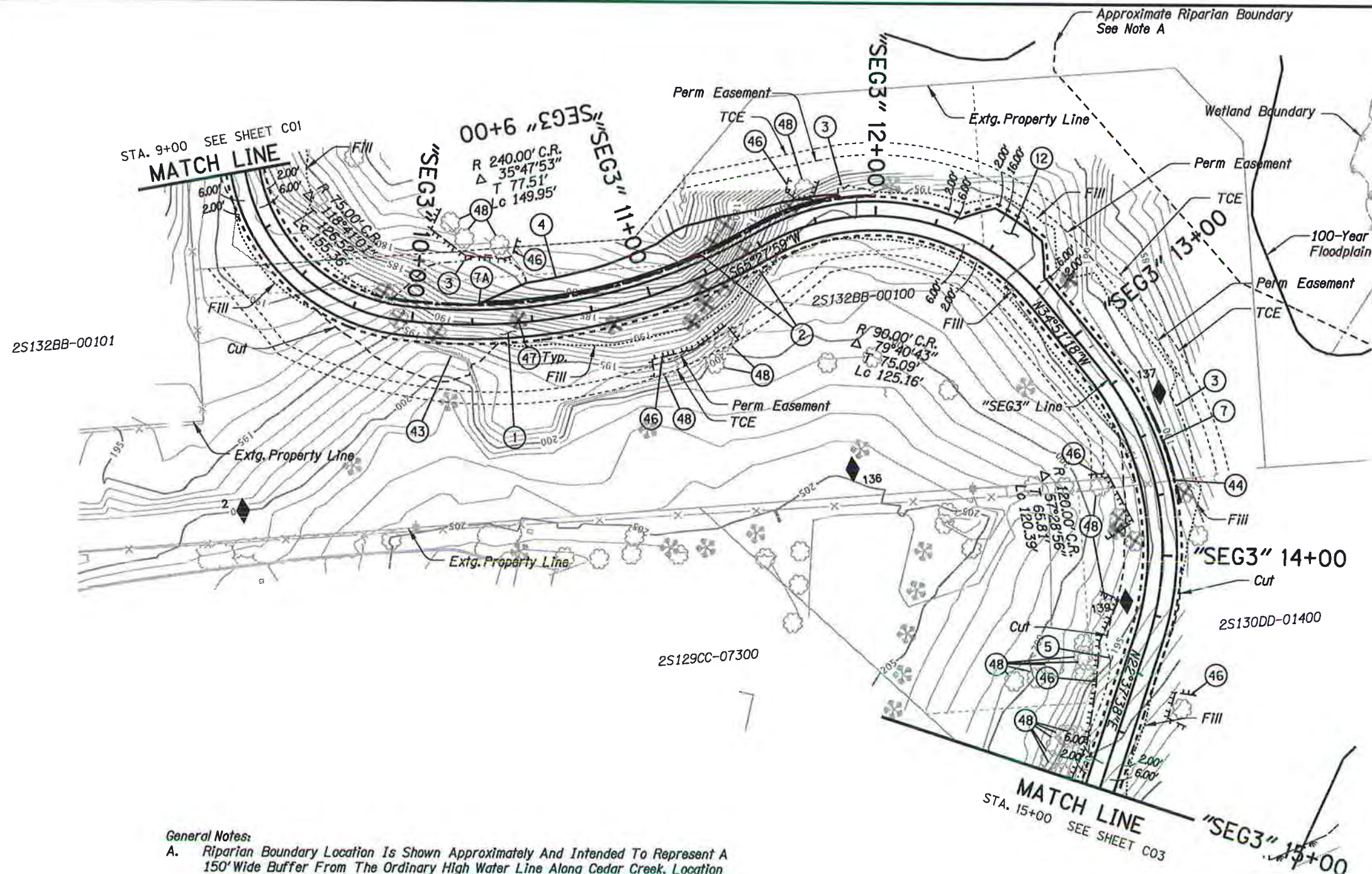
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**CEDAR CREEK/TONQUIN TRAIL:
OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
Drafter: M Wainscott Checker: M Bittancourt

PROFILE SHEET NO. C01C



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BB01)
- ④ Const. 1:1/2 Reinforced Soil Slope, RS03 (For Details, See Sht. GB04)
- ⑤ Const. Anchored Mesh Wall, PM04 (For Details, See Sht. GB16)
- ⑦ Install Split Rail Fence - 42' (For Details, See Sht. BB02)
- ⑦A Install Split Rail Fence - 210' (For Details, See Sht. BB02)
- ⑫ Const. Turnout (For Details, See Sht. BC02)
- ④③ Remove Rock Wall
- ④④ Remove Extg Fence - 38'
- ④⑥ Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ④⑦ Remove Extg Tree. Coordinate Removal With FA Sheets.
- ④⑧ Protect Extg Tree.

CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- Anchor Mesh Wall
- Mat Stone Embankment
- Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

General Notes:
 A. Riparian Boundary Location Is Shown Approximately And Intended To Represent A 150' Wide Buffer From The Ordinary High Water Line Along Cedar Creek. Location Of Cedar Creek Centerline Was Estimated Based On Aerial Photography And LIDAR Contour Data. While The Width Of Cedar Creek Varies Along Its Length, A Normal Width Of 24-Ft For Cedar Creek Was Assumed Based On LIDAR Data And The Surveyed Creek Width At The Bridge Crossing.
 B. Protect Extg Trees Not Identified For Removal.

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
2	113,201.94	303,777.39	200.36	Set Reference
136	113204.187	303524.5028	204.8165	Set Reference
137	113182.2851	303395.5585	189.5621	Set Reference
139	113267.3182	303415.9258	196.0567	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88



REGISTERED PROFESSIONAL ENGINEER
 72869PE
 Digitally Signed
 OREGON
 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

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 PORTLAND, OR 97201-4953
 TEL. 503.235.5000

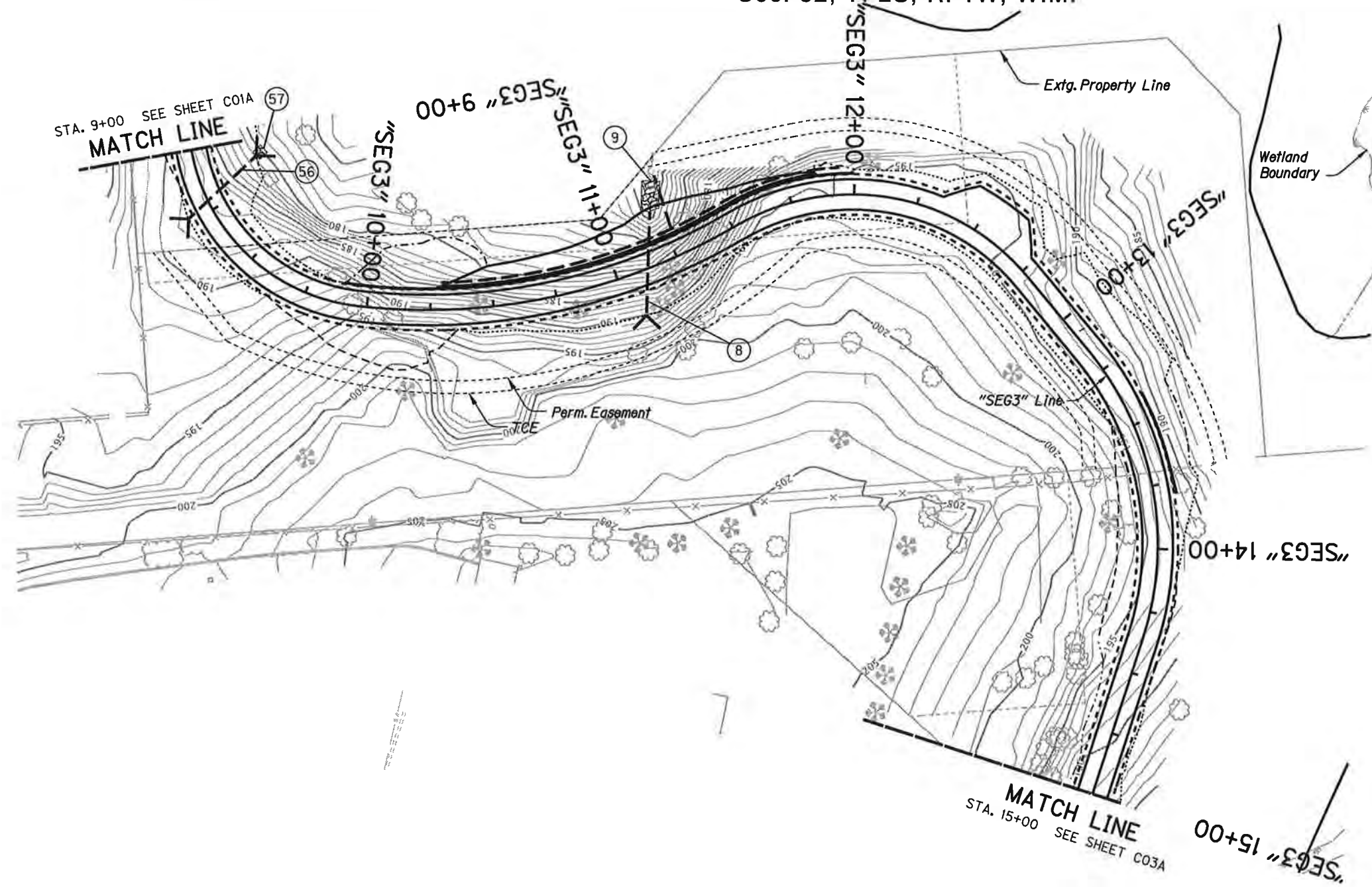
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Waincott Checker: M Bittancourt

GENERAL CONSTRUCTION SHEET NO. C02

Sec. 32, T. 2S, R. 1W, W.M.



- 8 STA. "SEG3" 11+06.04, 17.07' Rt
Inst. 12" Dia. Culvert with Sloped Inlet
and Projected Outfall - 42'
20' Depth
I.E. (12" Inlet) 190.10,
11+23.13, 21.82' Lt
I.E. (12" Outfall) 169.25
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
For Profile, See Sht. HB01
- 9 STA. "SEG3" 11+28.34, 31.24' Lt
Inst. 7'Wx12'Lx2.5'T (ODOT CL. 200)
Riprap Pad
- 7.8 Cu.Yd.
Wrap sides and bottom of riprap with
Type 2 Woven Riprap Geotextile as
spec'd in Section 02320
For Details, See City of Sherwood
Std. Drg. No. SS-87
- 56 STA. "SEG3" 9+23.77, 10.11' Rt
Inst. 12" Dia. Culvert with Sloped Ends
- 38'
5' Depth
I.E. (12" Inlet) 187.75
9+10.00, 24.41' Lt
I.E. (12" Outfall) 180.78
For Details, See Sht. BB03
For Profile, See Sht. HB01
- 57 STA. "SEG3" 9+07.29, 28.00' Lt
Inst. 7'Wx12'Lx2.5'T (ODOT CL. 200)
Rip Rap Pad
- 7.8 Cu.Yd.
Wrap sides and bottom of Riprap with
Type 2 Woven Riprap Geotextile as
spec'd in Section 02320
For Details, See City of Sherwood
Std. Drg. No. SS-87

MATCH LINE
STA. 15+00 SEE SHEET C03A



REGISTERED PROFESSIONAL
ENGINEER
72869PE
Digitally Signed 2020.12.17 22:00:34 08192
OREGON
Oct. 23, 2009
MATTHEW RYAN LITTLE
EXPIRES: 12/31/2022

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PORTLAND, OR 97201-4953
TEL. 503.235.5000

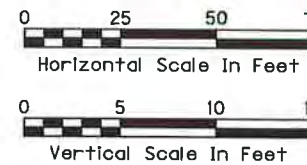
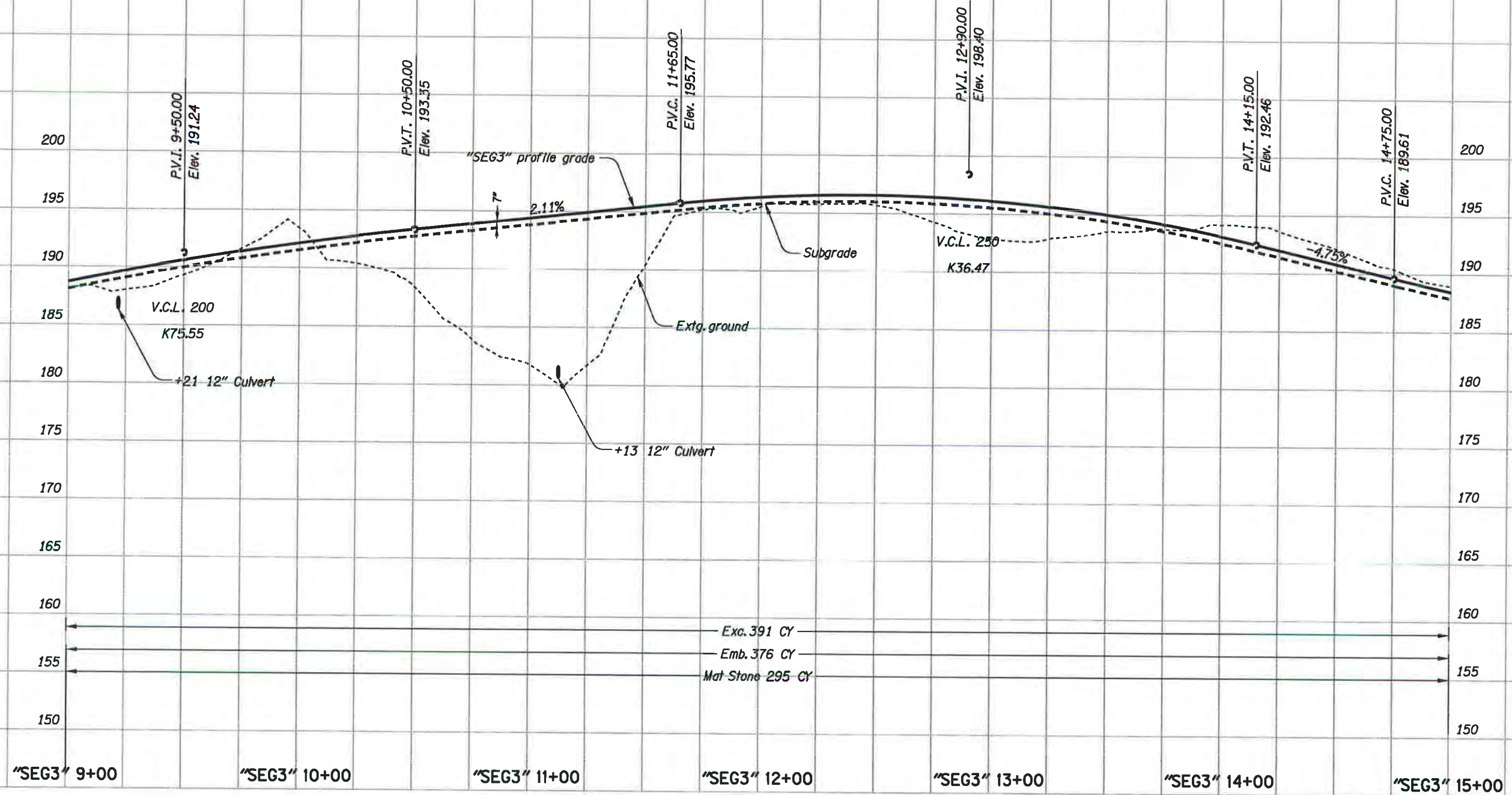
**CEDAR CREEK/TONQUIN TRAIL:
OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: R Attanasio
 Drafter: M Wainscott Checker: R Attanasio

DRAINAGE AND UTILITIES

SHEET NO.
CO2A



EXPIRES: 12/31/2022

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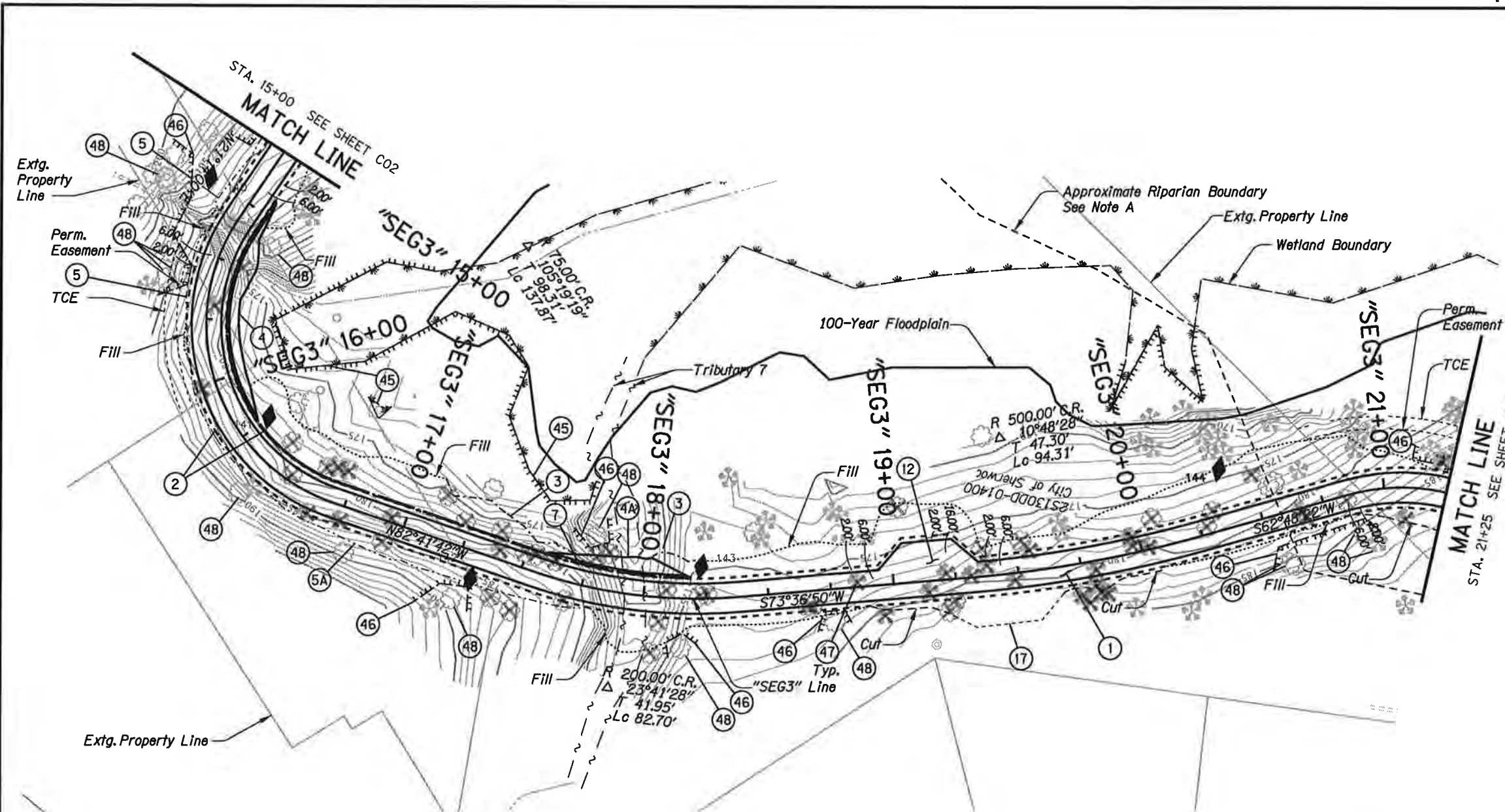
**CEDAR CREEK/TONQUIN TRAIL:
OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
Drafter: M Wainscott Checker: M Bittancourt

PROFILE

SHEET NO.
C02B



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BB01)
- ④ Const. 1:1/2 Reinforced Soil Slope, RS04 (For Details, See Sht. GB05)
- ④A Const. 1:1/2 Reinforced Soil Slope, RS05 (For Details, See Sht. GB06)
- ⑤ Const. Anchored Mesh Wall, PM04 (For Details, See Sht. GB16)
- ⑤A Const. Anchored Mesh Wall, PM05 (For Details, See Sht. GB17)
- ⑦ Install Split Rail Fence - 280' (For Details, See Sht. BB02)
- ⑫ Const. Turnout (For Details, See Sht. BC02)
- ⑰ Earthwork Limit Extends Beyond Survey. Field Verify Earthwork Limit with Max 1:2 Slope. Do Not Cross Property Lines, Permanent Easements and other Boundary Lines
- ④5 Protect Extg Wetland. Install Orange Plastic Mesh Fence
- ④6 Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ④7 Protect Extg Wetland. Install Orange Plastic Mesh Fence
- ④8 Protect Extg Tree.

CONSTRUCTION LEGEND

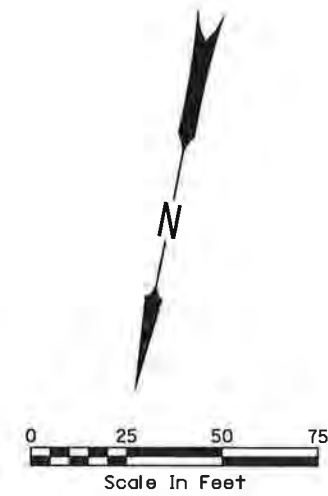
- Retaining Wall
- - - Cut Line
- Fill Line
- - - - - Anchor Mesh Wall
- - - - - Mat Stone Embankment
- - - - - Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

General Notes:
 A. Riparian Boundary Location Is Shown Approximately And Intended To Represent A 150' Wide Buffer From The Ordinary High Water Line Along Cedar Creek. Location Of Cedar Creek Centerline Was Estimated Based On Aerial Photography And LIDAR Contour Data. While The Width Of Cedar Creek Varies Along Its Length, A Normal Width Of 24-Ft For Cedar Creek Was Assumed Based On LIDAR Data And The Surveyed Creek Width At The Bridge Crossing.
 B. Protect Extg Trees Not Identified For Removal.

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
140	113,365.53	303,458.34	191.50	Set Reference
141	113,454.23	303,416.28	178.45	Set Reference
142	113,501.30	303,324.49	187.27	Set Reference
143	113,478.03	303,235.14	175.24	Set Reference
144	113,398.53	303,040.61	175.17	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88



REGISTERED PROFESSIONAL ENGINEER
 72869PE
 Digitally Signed
 OREGON
 Oct. 23, 2009
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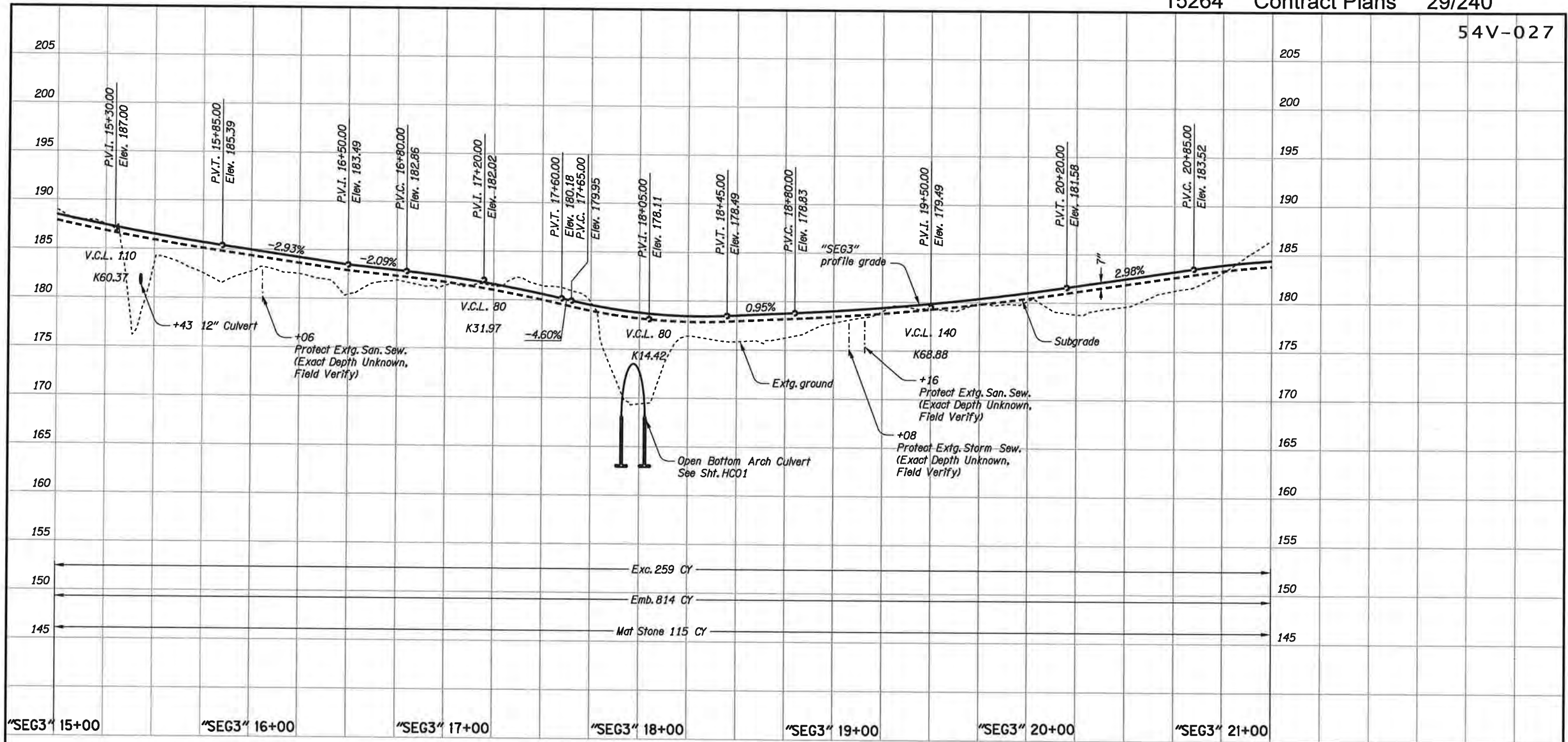
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**CDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

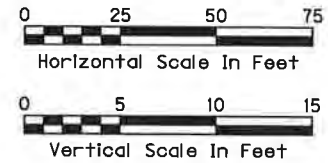
PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

GENERAL CONSTRUCTION SHEET NO. C03



Exc. 259 CY
 Emb. 814 CY
 Mat Stone 115 CY

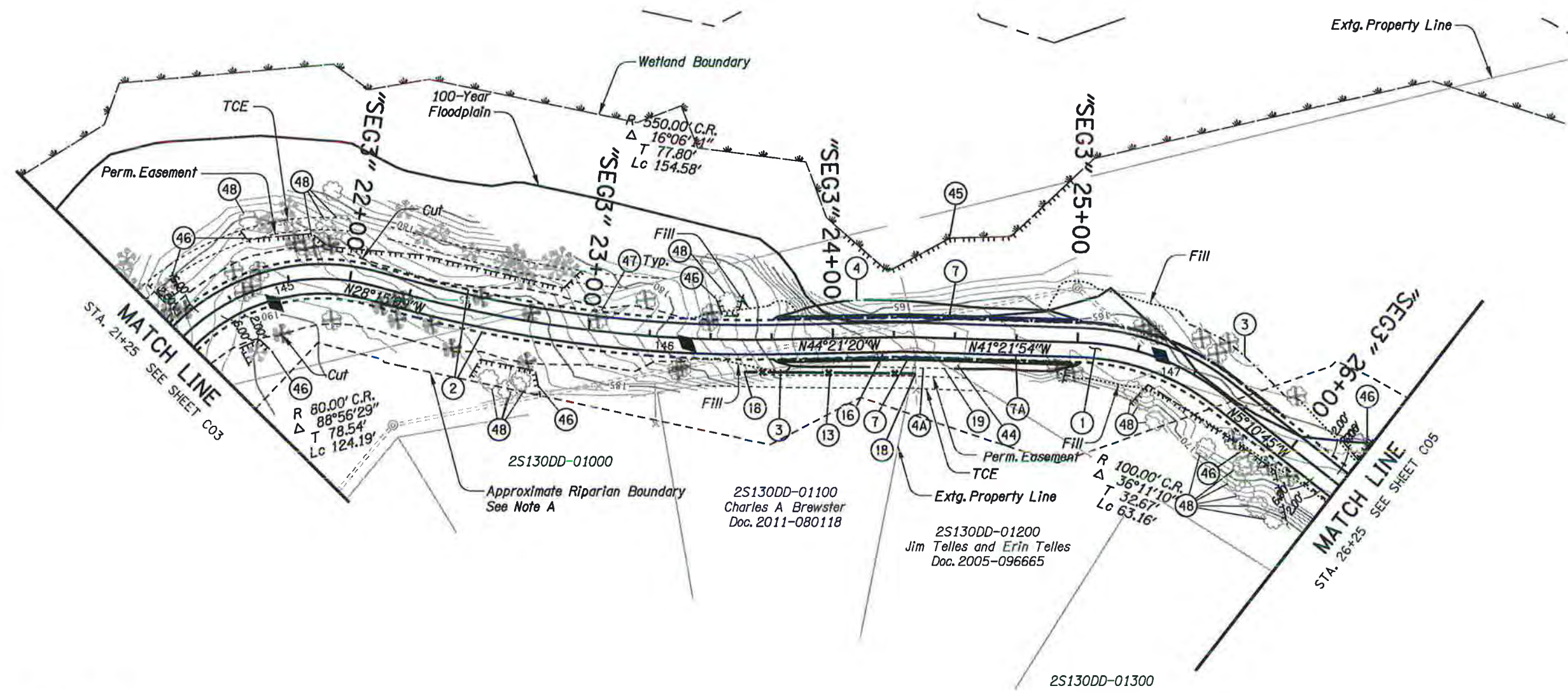


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**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**
 PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Blttancourt
 Drafter: M Waincott Checker: M Blttancourt

PROFILE SHEET NO. C03B



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BC01)
- ④ Const. 1:1/2 Reinforced Soil Slope, RS06 (For Details, See Sht. GB07)
- ④A Const. 1:1/2 Reinforced Soil Slope, RS07 (For Details, See Sht. GB08)
- ⑦ Install Split Rail Fence - 220' (For Details, See Sht. BB02)
- ⑦A Install Split Rail Fence - 115' (For Details, See Sht. BB02)
- ⑬ Const. 3.5' Chain Link Fence. Match to existing Fence. (See City of Sherwood Dwg. No. SS-84) - 70'
- ⑯ Remove Extg. Chain Link Fence - 80'
- ⑱ Join to Extg. Chain Link Fence.
- ⑲ Earthwork Limit Extends Beyond Survey. Field Verify Earthwork Limit. Do Not Exceed 1:1/2 Slope For Reinforced Soil Slope. Do Not Cross Permanent Easement Line
- ④④ Remove Extg. Chain Link Fence up to Permanent Easement - 11' Confirm Fence Removal does not Create an Opening in an Extg. Fence Perimeter.
- ④⑤ Protect Extg Wetland. Install Orange Plastic Mesh Fence
- ④⑥ Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ④⑦ Remove Extg Tree. Coordinate Removal With FA Sheets.
- ④⑧ Protect Extg Tree.

General Notes:
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B. Protect Extg Trees Not Identified For Removal.

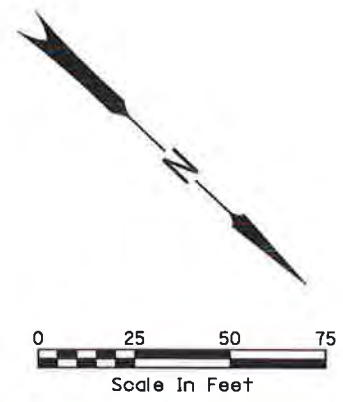
SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
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146	113,535.55	302,811.26	178.57	Set Reference
147	113,680.27	302,682.24	165.71	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
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CONSTRUCTION LEGEND

- Retaining Wall
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- Fill Line
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- - - - - Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal



REGISTERED PROFESSIONAL ENGINEER
 72869PE
 Digitally Signed
 2020.12.17 22:07:25-0800
 OREGON
 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

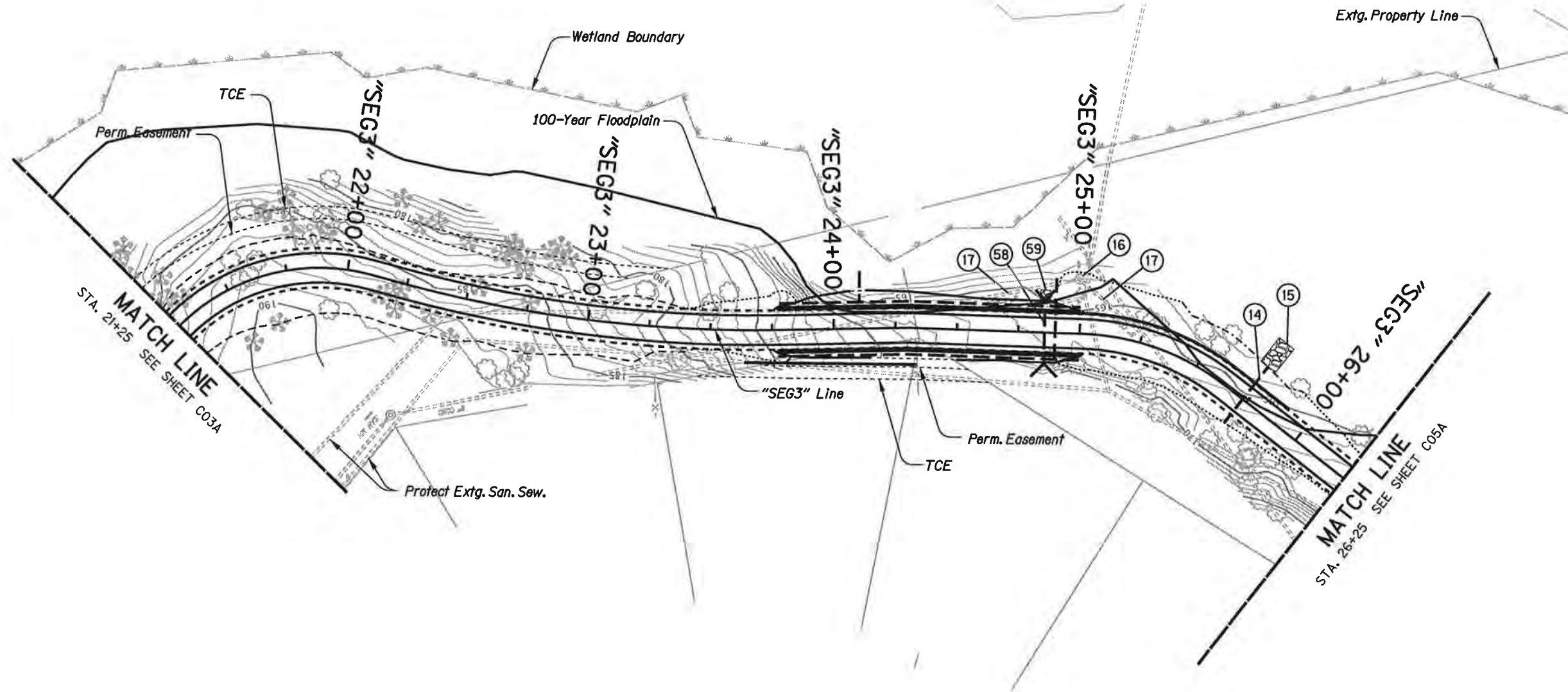
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**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

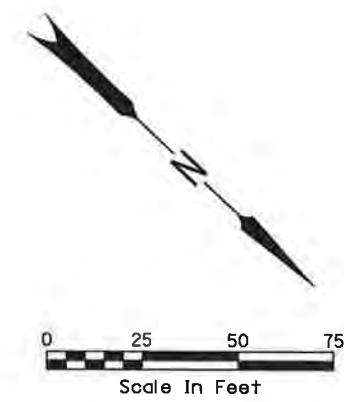
PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Blttancourt
 Drafter: M Waincott Checker: M Blttancourt

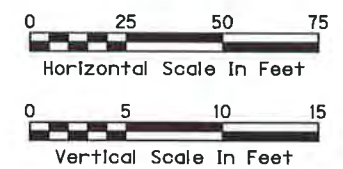
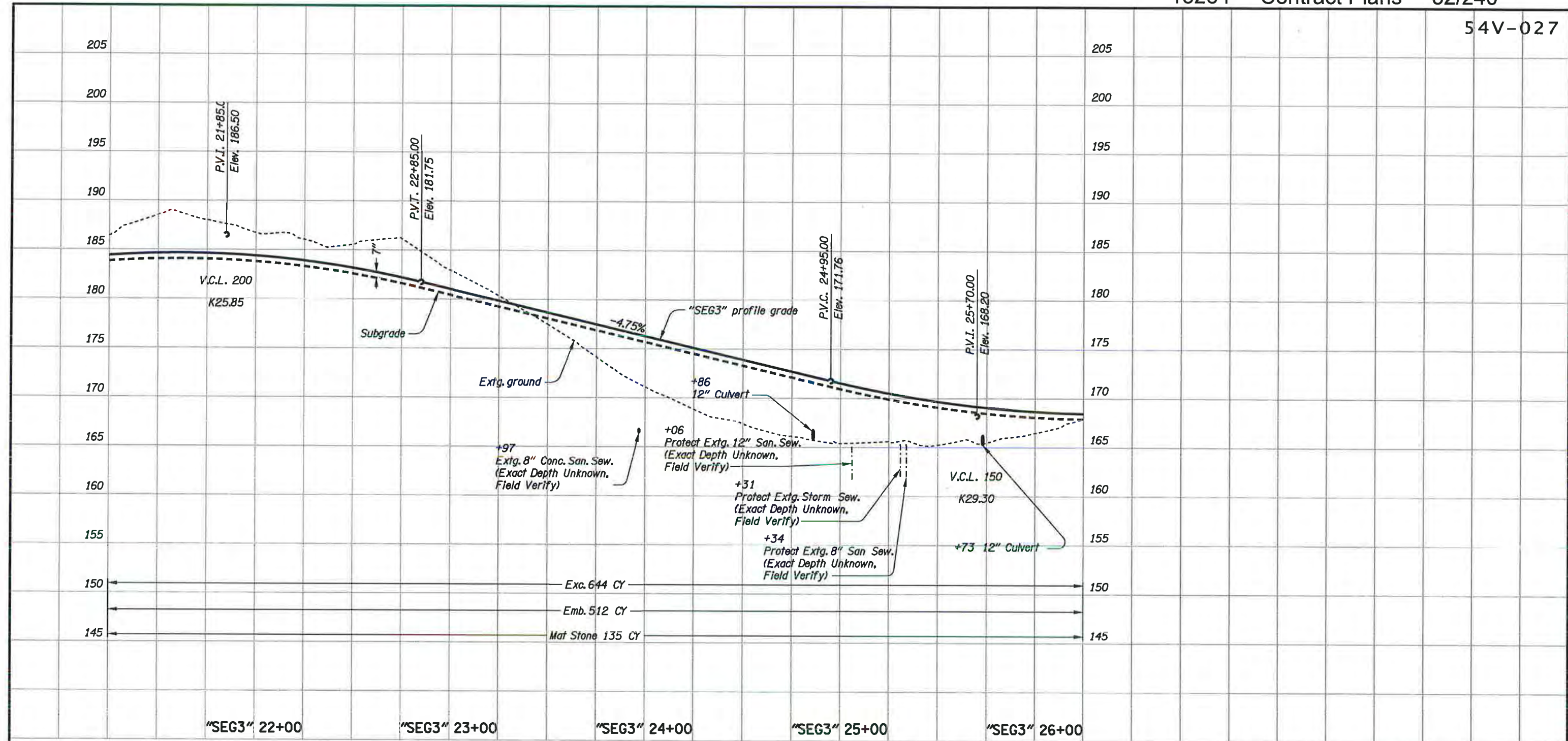
GENERAL CONSTRUCTION SHEET NO. C04



- (14) STA. "SEG3" 25+73.00, 12.20' Rt
Inst. 12" Dia. Culvert with Sloped Inlet
and Sloped Outfall - 29'
5' Depth
I.E. (12" Inlet) = 167.10,
"SEG3" 25+73.00, 16.80' Lt
I.E. (12" Outfall) = 163.25
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
- (15) STA. "SEG3" 25+73.00, 28.80' Lt
Inst. 7'Wx12'Lx2.5'T (ODOT CL. 200)
Riprap Pad
- 7.8 Cu.Yd.
Wrap sides and bottom of riprap with
Type 2 Woven Riprap Geotextile as
spec'd in Section 02320
(See City of Sherwood Std. Drg. No. SS-87)
- (16) STA. "SEG3" 24+99.30, 22.13' Rt
Major Adjust Manhole to Rim 165.50
(See Std. Drg. No. RD360)
- (17) Protect Extg. 8" Conc. Sew.
- (58) STA. "SEG3" 24+85.84, 12.60' Rt
Inst. 12" Dia. Culvert with Projecting
Ends - 26'
10' Depth
I.E. (12" Inlet) = 166.50
"SEG3" 24+85.50, 13.28' Lt
I.E. (12" Outfall) = 165.00
For Details, See Sht. BB03
For Profile, See Sht. HB01
- (59) STA. "SEG3" 24+85.45, 17.28' Lt
Inst. 7'Wx12'Lx2.5'T (ODOT CL. 200)
Riprap Pad
- 7.8 Cu.Yd.
Wrap sides and bottom of riprap with
Type 2 Woven Riprap Geotextile as
spec'd in Section 02320
(See City of Sherwood Std. Drg. No. SS-87)



		2020 SW 4TH AVE. - 3RD FLOOR PORTLAND, OR 97201-4963 TEL. 503.235.5000	
	CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)		
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		Designer: M Little Drafter: M Wainscott	Reviewer: R Attanasio Checker: R Attanasio
DRAINAGE AND UTILITIES		SHEET NO. C04A	



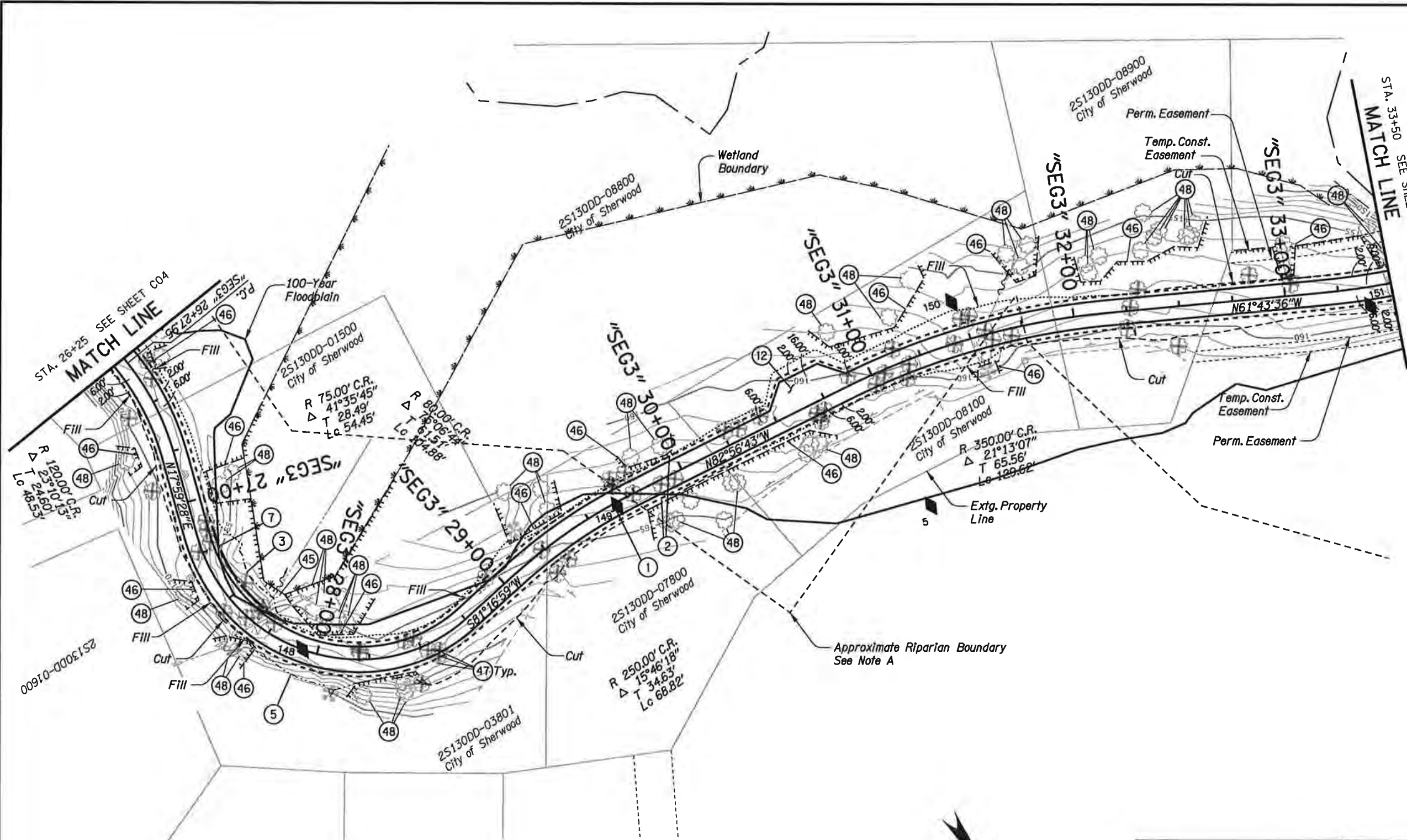
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PORTLAND, OR 97201-4953
TEL. 503.235.5000

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

PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
Drafter: M Wainscott Checker: M Bittancourt

PROFILE SHEET NO. C04B



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BB01)
- ⑤ Const. Anchored Mesh Wall, PM06 (For Details, See Sht. GB1B)
- ⑦ Install Split Rail Fence - 57' (For Details, See Sht. BB02)
- ⑫ Const. Turnout (For Details, See Sht. BC02)
- ④⑤ Protect Extg Wetland. Install Orange Plastic Mesh Fence
- ④⑥ Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements. Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ④⑦ Remove Extg Tree. Coordinate Removal With FA Sheets.
- ④⑧ Protect Extg Tree.

CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- Anchor Mesh Wall
- Mat Stone Embankment
- Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
5	114,038.93	302,391.48	165.76	Set Reference
148	113,931.09	302,676.16	167.10	Set Reference
149	113,956.85	302,515.10	163.83	Set Reference
150	113,964.23	302,330.30	155.56	Set Reference
151	114,075.18	302,166.83	157.80	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88

General Notes:
 A. Riparian Boundary Location Is Shown Approximately And Intended To Represent A 150' Wide Buffer From The Ordinary High Water Line Along Cedar Creek. Location Of Cedar Creek Centerline Was Estimated Based On Aerial Photography And LIDAR Contour Data. While The Width Of Cedar Creek Varies Along Its Length, A Normal Width Of 24-Ft For Cedar Creek Was Assumed Based On LIDAR Data And The Surveyed Creek Width At The Bridge Crossing.
 B. Protect Extg Trees Not Identified For Removal.



REGISTERED PROFESSIONAL ENGINEER
 72869PE
 Digitally Signed 2020.12.17 22:00:02-0907
 OREGON
 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

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 PORTLAND, OR 97201-4953
 TEL. 503.235.5000

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

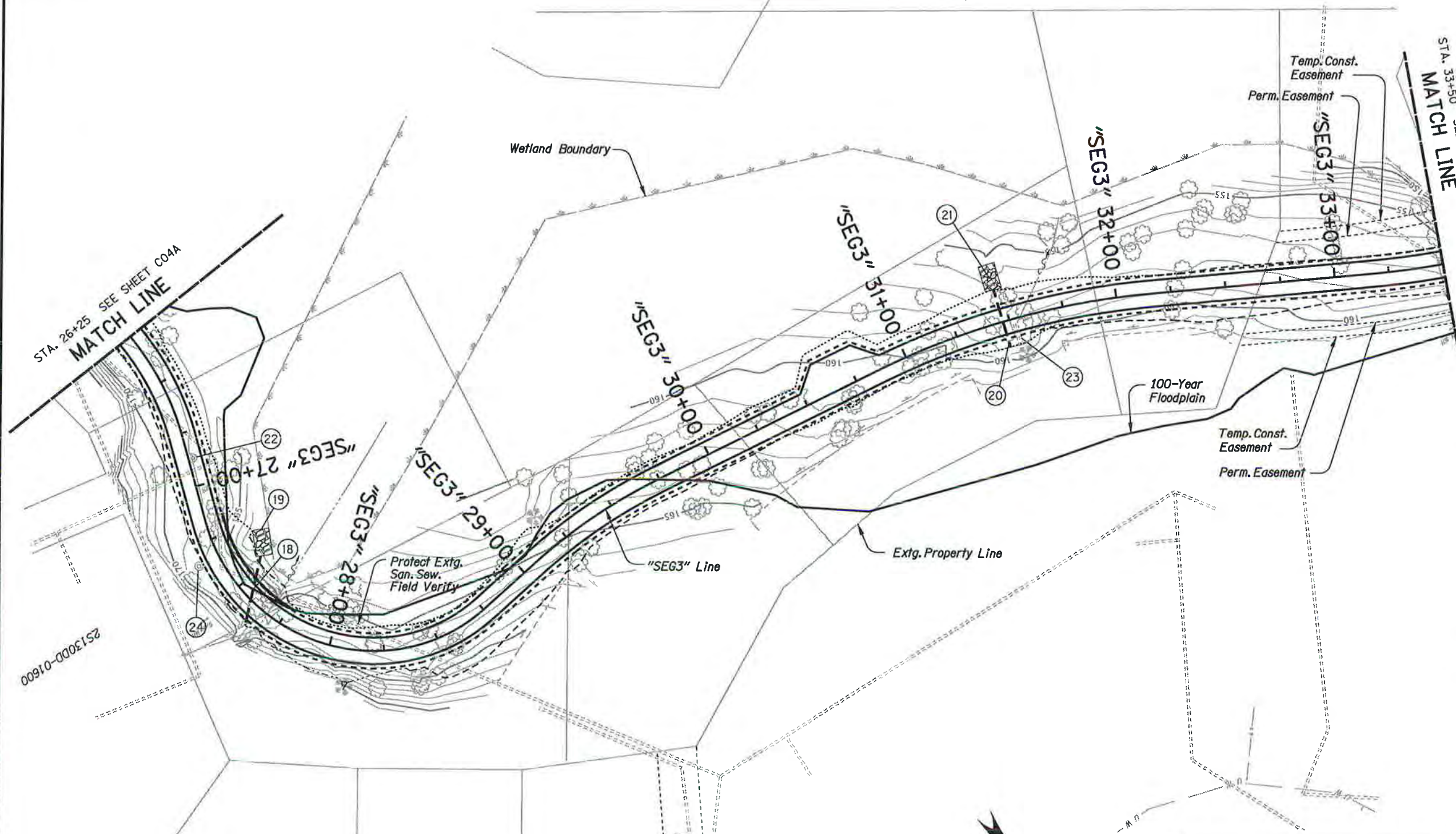
PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

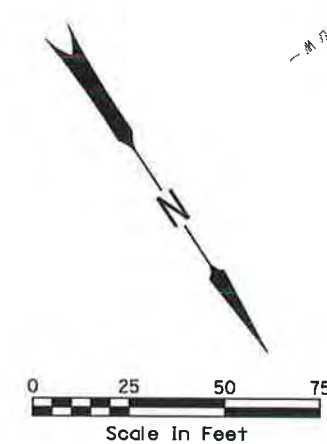
GENERAL CONSTRUCTION SHEET NO. C05

Sec. 30, T. 2S, R. 1W, W.M.

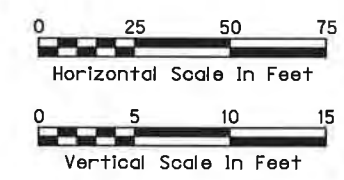
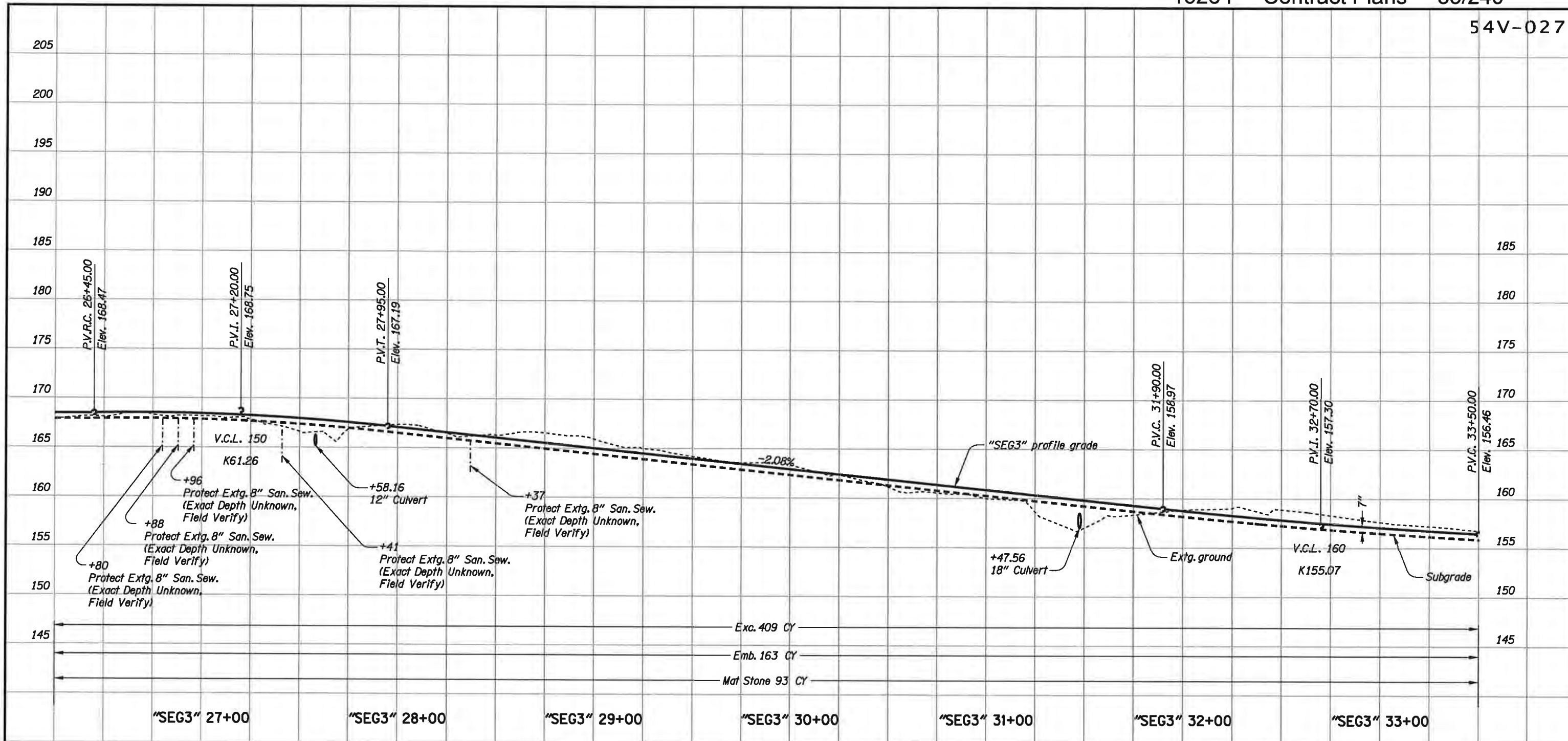
54V-027



- 18 STA. "SEG3" 27+64.04, 10.86' Rt
Inst. 12" Dia. Culvert with Sloped Inlet and Sloped Outfall - 33'
5' Depth
I.E. (Inlet) 166.37,
"SEG3" 27+44.48, 16.32' Lt
I.E. (Outfall) 163.30
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
For Profile, See Sht. HB02
- 19 STA. "SEG3" 27+30.66, 22.48' Lt
Inst. 7"Wx8'Lx1.5'T (ODOT CL. 50)
Riprap Pad
- 3.1 Cu. Yd.
Wrap sides and bottom of riprap with Type 2 Woven Riprap Geotextile as spec'd in Section 02320
(See City of Sherwood Std. Drg. No. SS-87)
Contour to Slope
- 20 STA. "SEG3" 31+47.10, 12.04' Rt
Inst. 18" Dia. Culvert with Sloped Inlet and Sloped Outfall - 27'
5' Depth
I.E. (Inlet) 158.00,
"SEG3" 31+46.89, 14.96' Lt
I.E. (Outfall) 156.30
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
For Profile, See Sht. HB02
- 21 STA. "SEG3" 31+46.85, 26.96' Lt
Inst. 7.5"Wx12'Lx2.5'T (ODOT CL. 200)
Riprap Pad
- 8.3 Cu. Yd.
Wrap sides and bottom of riprap with Type 2 Woven Riprap Geotextile as spec'd in Section 02320
(See City of Sherwood Std. Drg. No. SS-87)
- 22 STA. "SEG3" 26+87.21, 1.96' Rt
Minor Adjust Manhole to Rim 168.46
Replace Lid with Manhole Cover
(See Std. Drg. No. RD360)
- 23 Abandon Extg. 8" Concrete Culvert with 2-ft group plug installed in outlet.
- 24 Protect Extg. Manhole



<p>REGISTERED PROFESSIONAL ENGINEER 72869PE Digitally Signed OREGON Oct. 23, 2009 MATTHEW RYAN LITTLE EXPIRES: 12/31/2022</p>	<p>Jacobs 2020 SW 4TH AVE. - 3RD FLOOR PORTLAND, OR 97201-4953 TEL. 503.235.5000</p>	
	<p>CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)</p> <p>PACIFIC HIGHWAY WEST WASHINGTON COUNTY</p>	
<p>Designer: M Little Drafter: M Walmscott</p>	<p>Reviewer: R Attanasio Checker: R Attanasio</p>	<p>SHEET NO. C05A</p>



REGISTERED PROFESSIONAL ENGINEER
72869PE
Oregon
Oct. 23, 2009
MATTHEW RYAN LITTLE
Digitally Signed
2020.12.17 22:10:06-0800
EXPIRES: 12/31/2022

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

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

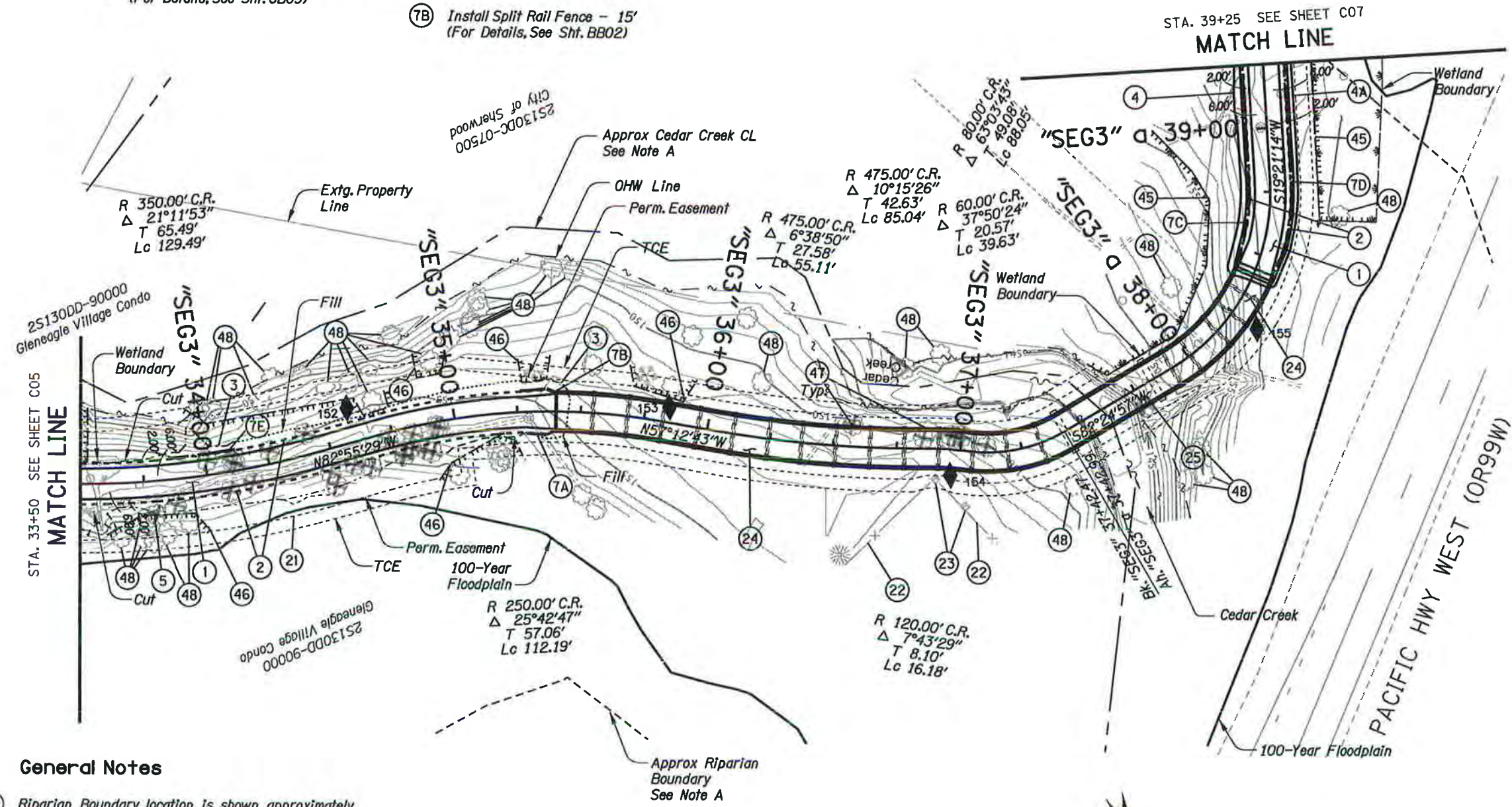
PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
Drafter: M Wainscott Checker: M Bittancourt

PROFILE SHEET NO. C05B

- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ③ Const. 1:1 1/2 Mat Stone Embankment (For Details, See Sht. BB01)
- ④ Const. 1:2/5 Reinforced Soil Slope, RS08 (For Details, See Sht. GB09)
- ④A Const. 1:2/5 Reinforced Soil Slope, RS09 (For Details, See Sht. GB10)
- ⑤ Const. Anchored Mesh Wall, PM07 (For Details, See Sht. GB19)
- ⑦A Install Split Rail Fence - 13' (For Details, See Sht. BB02)
- ⑦B Install Split Rail Fence - 15' (For Details, See Sht. BB02)

- ⑦C Install Split Rail Fence - 77' (For Details, See Sht. BB02)
- ⑦D Install Split Rail Fence - 85' (For Details, See Sht. BB02)
- ⑦E Install Split Rail Fence - 26' (For Details, See Sht. BB02)
- ②1 Earthwork Limit Extends Beyond Survey. Field Verify Earthwork Limit. Do Not Exceed 1:1 Slope Within Anchor Mesh. Do Not Cross Permanent Easement Line
- ②2 Protect Extg. 12' Chain Link Fence
- ②3 Protect Extg. Electrical Utility Box
- ②4 Const. Boardwalk - (For Details, See Bridge and Boardwalk Drgs.)
- ②5 Const. Bridge - (For Details, See Bridge and Boardwalk Drgs.)
- ④5 Protect Extg. Wetland. Install Orange Plastic Mesh Fence
- ④6 Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ④7 Remove Extg. Tree. Coordinate Removal With FA Sheets.
- ④8 Protect Extg. Tree.



CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- Anchor Mesh Wall
- Mat Stone Embankment
- Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

General Notes

- (A) Riparian Boundary location is shown approximately and intended to represent a 150' wide buffer from the ordinary high water line along Cedar Creek. Location of Cedar Creek centerline was estimated based on aerial photography and LIDAR contour data. While the width of Cedar Creek varies along its length, a normal width of 24-ft for Cedar creek was assumed based on LIDAR data and the surveyed creek width at the bridge crossing
- (B) Protect extg trees not identified for removal.
- (C) Field verify depth and location of Extg. Clean Water Service 24" Sewer Main

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
152	114,084.48	302,044.63	154.43	Set Reference
153	114,133.21	301,927.44	152.48	Set Reference
154	114,200.54	301,836.09	152.84	Set Reference
155	114,194.39	301,702.43	160.25	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88



REGISTERED PROFESSIONAL ENGINEER
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 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

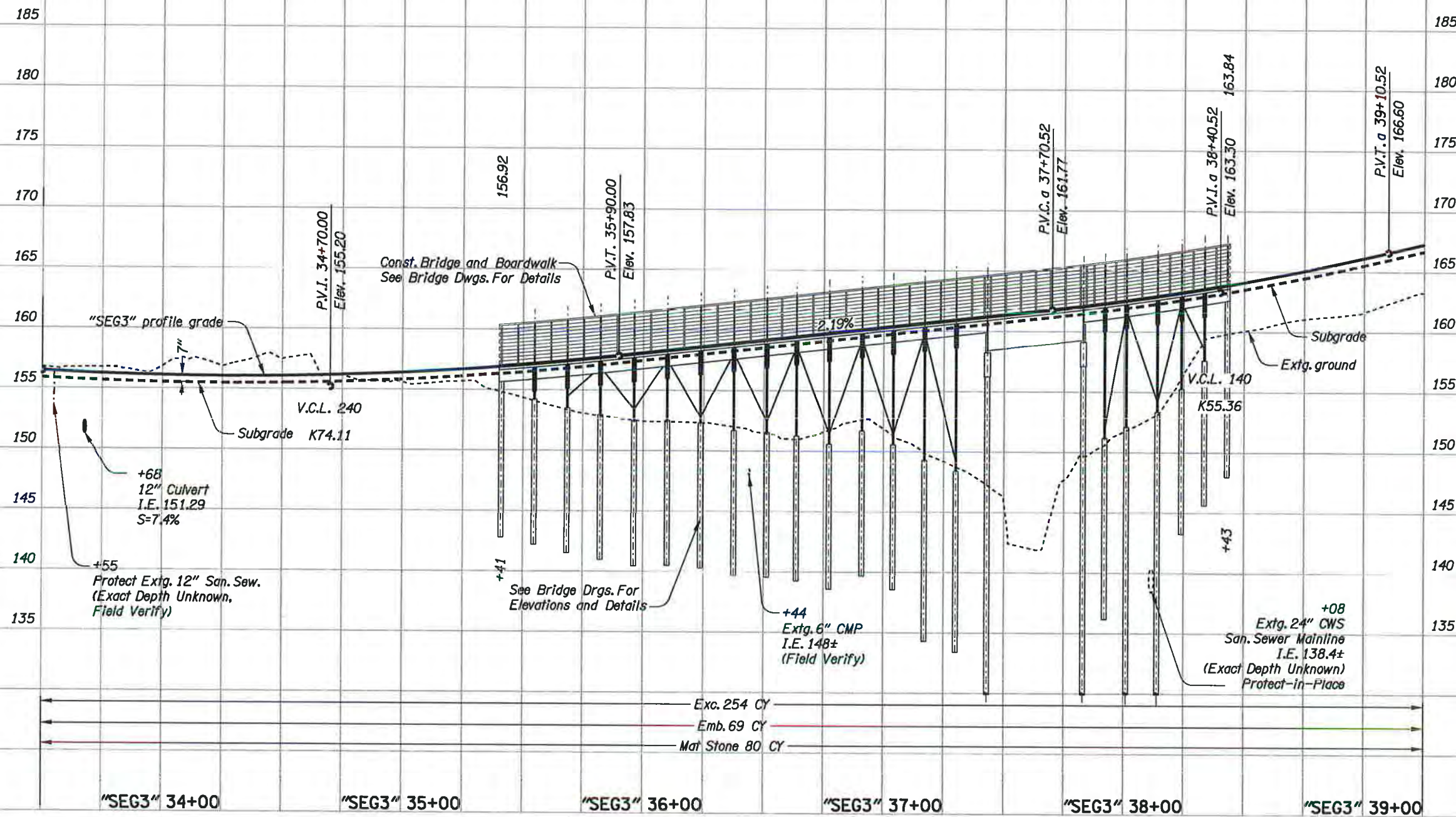
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 PORTLAND, OR 97201-4953
 TEL. 503.235.5000

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

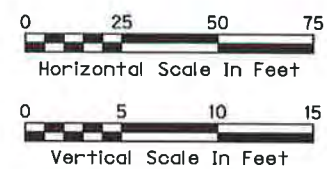
PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Waincscott Checker: M Bittancourt

GENERAL CONSTRUCTION SHEET NO. C06



Exc. 254 CY
 Emb. 69 CY
 Mat Stone 80 CY



EXPIRES: 12/31/2022

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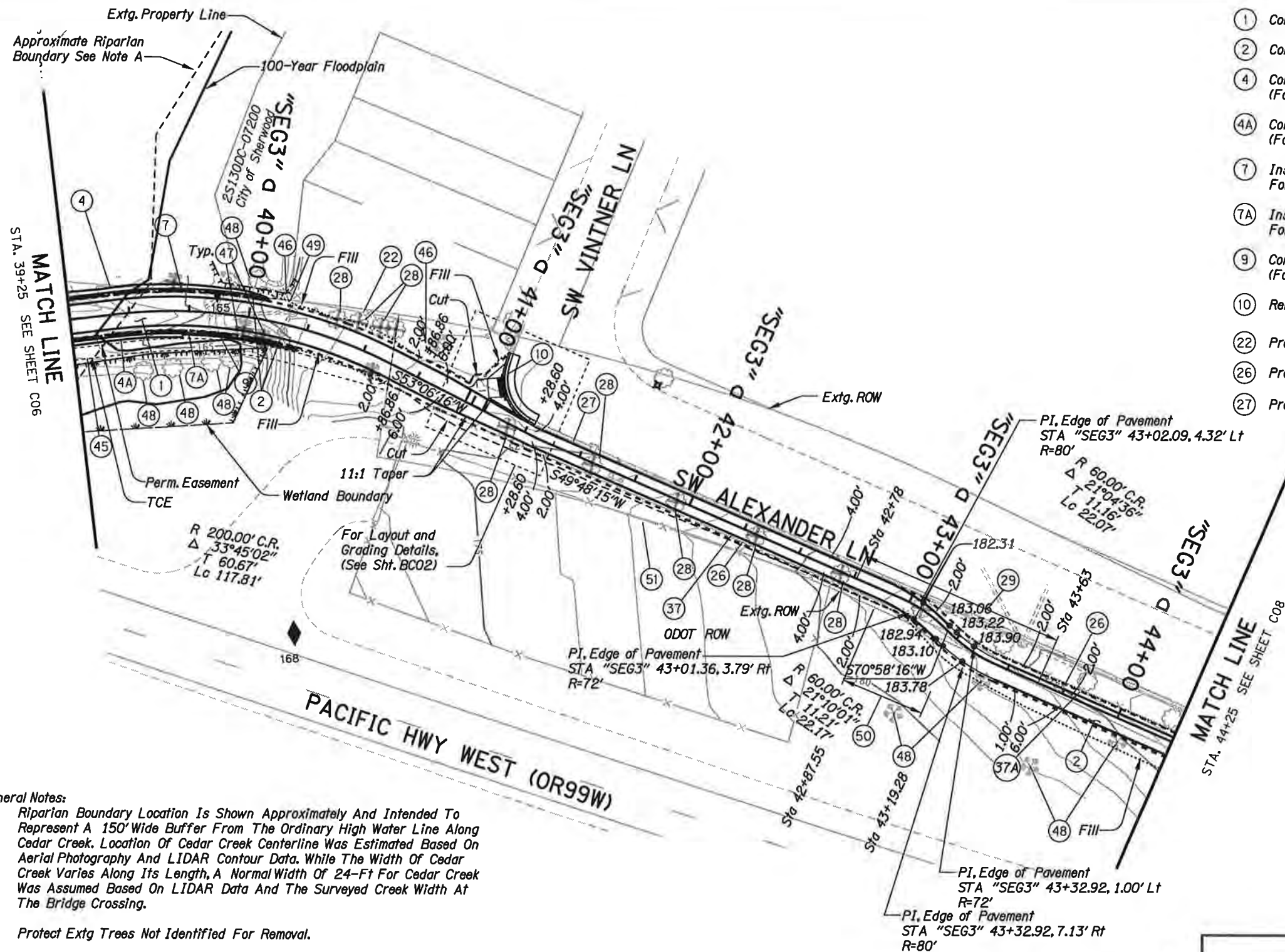
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Waincott Checker: M Bittancourt

PROFILE

SHEET NO.
C06B



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ④ Const. 1:2/5 Reinforced Soil Slope, RS08 (For Details, See Sht. GB09)
- ④A Const. 1:2/5 Reinforced Soil Slope, RS09 (For Details, See Sht. GB10)
- ⑦ Install Split Rail Fence - 83' For Details, See Sht. BB02
- ⑦A Install Split Rail Fence - 94' For Details, See Sht. BB02
- ⑨ Const. MSE Wall, MS02 (For Details, See Sht. GB10)
- ⑩ Remove Curb and Gutter - 33'
- ⑫ Protect Extg. Fence
- ⑫ Protect Extg. Screen Wall
- ⑫ Protect Extg. Curb and Gutter
- ⑫ Remove Extg. Tree
- ⑫ Remove Extg. Screen Wall - 85' Screen wall is concrete and designed to look like a wood fence with wood posts. The length noted is the minimum required. Demolish fence up to nearest concrete fence post beyond the specified length.
- ⑫ Install Rub Rail on Extg Concrete Screen Wall adjacent to trail -190' For Details, See Sht. BB03
- ⑫ Install Rub Rail on Extg Concrete Screen Wall adjacent to trail -50' For Details, See Sht. BB03
- ⑫ Protect extg wetland. Install Orange Plastic Mesh Fence
- ⑫ Install Orange Plastic Mesh Fence Along Tree Dripline In Accordance With Clean Water Services Requirements Coordinate With FA Sheets And Field Verify Exact Fence Length.
- ⑫ Remove extg tree. Coordinate removal with FA sheets.
- ⑫ Protect Extg Tree.
- ⑫ Steepen Fill Slope To 1:2 From Sta 40+10 To Sta 40+25 Near Property Corner To Avoid Encroaching On Neighboring Property.
- ⑫ Transition path cross-slope from toward Alexander Lane to away from Alexander Lane and horizontal alignment from path center to 2-ft left of path center between Sta 42+87.55 and Sta 43+16.10 (For Typical Sections, See Sht. BA03)
- ⑫ Protect Extg. ODOT Maintenance Yard Fence.

CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- Anchor Mesh Wall
- Mat Stone Embankment
- Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

General Notes:

A. Riparian Boundary Location Is Shown Approximately And Intended To Represent A 150' Wide Buffer From The Ordinary High Water Line Along Cedar Creek. Location Of Cedar Creek Centerline Was Estimated Based On Aerial Photography And LIDAR Contour Data. While The Width Of Cedar Creek Varies Along Its Length, A Normal Width Of 24-Ft For Cedar Creek Was Assumed Based On LIDAR Data And The Surveyed Creek Width At The Bridge Crossing.

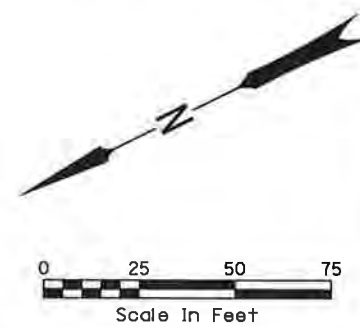
B. Protect Extg Trees Not Identified For Removal.

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
120	113,984.44	301,578.29	173.03	Set NTW
165	114,040.10	301,641.86	166.66	Set Reference

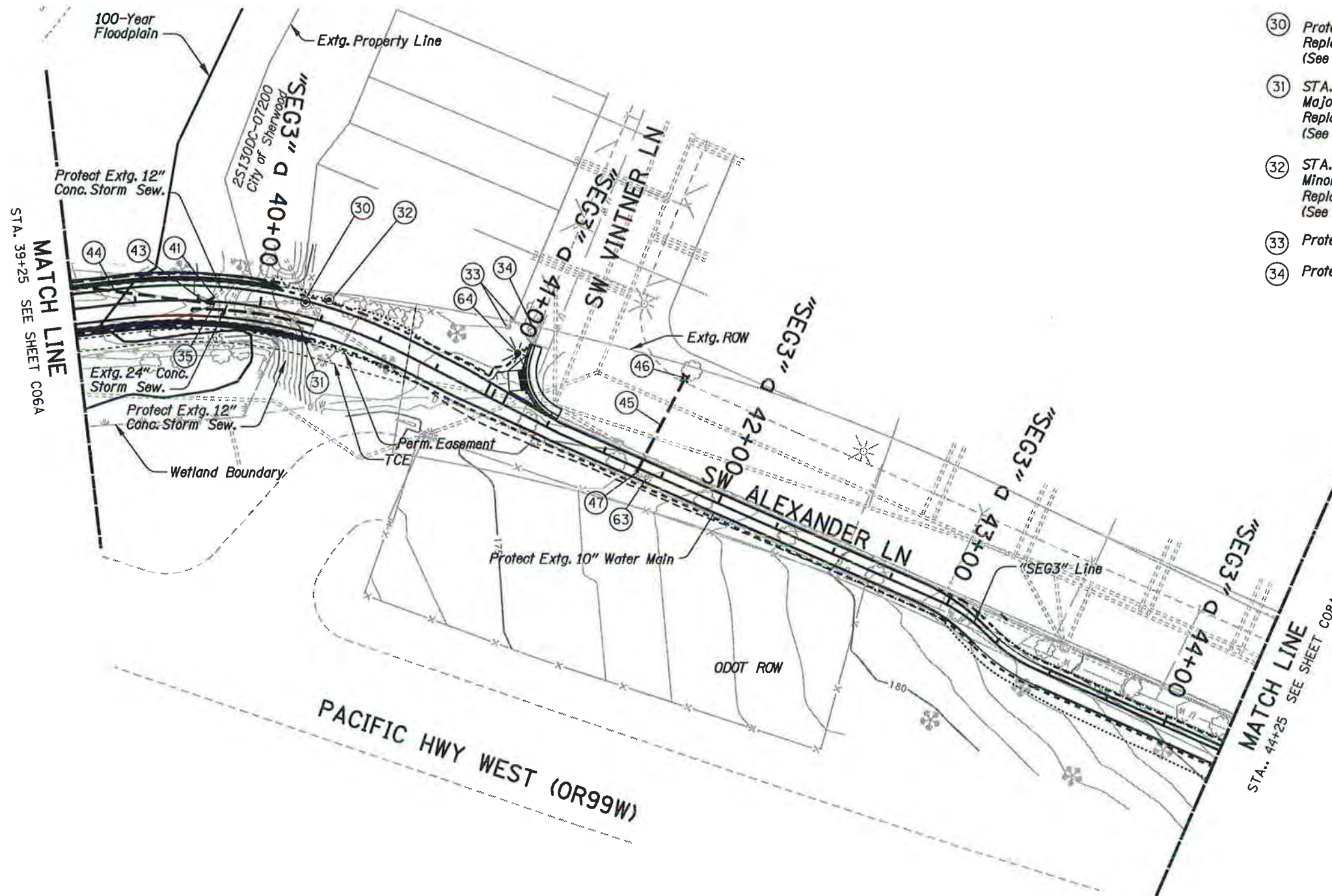
Survey Notes:

1. Horizontal Datum: NAD83(2011) Epoch 2010.00
2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
3. Vertical Datum: NAVD88



		2020 SW 4TH AVE. - 3RD FLOOR PORTLAND, OR 97201-4953 TEL. 503.235.5000
CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)		
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		
Designer: M Little	Reviewer: M Bittancourt	
Drafter: M Wainscott	Checker: M Bittancourt	
GENERAL CONSTRUCTION		SHEET NO. C07

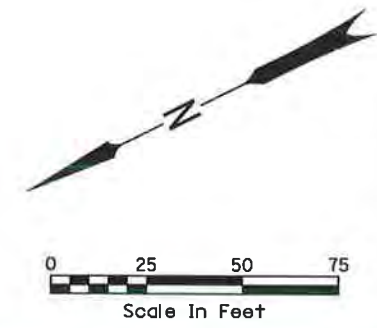
Sec. 30, T. 2S, R. 1W, W.M.



- 30 Protect Extg. Manhole Replace Lid with Manhole Cover (See Std. Drg. Nos. RD360 and RD356)
- 31 STA. "SEG3" 40+15.13, 3.24'Rt Major Adjust Manhole to Rim 171.60 Replace Lid with Manhole Cover (See Std. Drg. Nos. RD360 and RD356)
- 32 STA. "SEG3" 40+25.96, 9.01'Lt Minor Adjust Manhole to Rim 171.83 Replace Lid with Manhole Cover. (See Std. Drg. Nos. RD360 and RD356)
- 33 Protect Extg. Valve Boxes
- 34 Protect Extg. Hydrant
- 35 STA. "SEG3" 439+81.88, 0.97' Rt Inst. 24" Storm Sew. to Connect to Extg. 24" Outfall-4' 5' Depth I.E. (24" Tie-in) 165.29, Field Verify For Profile, See Sht. HB02 For Details, See Sht. BB03
- 41 STA. "SEG3" 439+81.52, 1.84'Lt Connect to Extg. 12" Culvert I.E. (12" Tie-in) 165.08
- 42 Inst. 12" Storm Sew. to Connect to New Wye - 4' 5' Depth For Details, See Sht. BB03
- 43 STA. "SEG3" 439+78.25, 0.75' Rt Inst. New 24"x12" Wye I.E. 164.97
- 44 STA. "SEG3" 439+81.88, 0.97' Rt Inst. 24" Storm Sew. - 81' 5' Depth For Profile, See Sht. HB02 For Details, See Sht. BB03
- 45 Water Line (by Others)
- 46 Fire Hydrant (by Others)
- 47 Existing Fire Hydrant to be removed by City of Sherwood
- 63 Extg. Utility Pedestal to be Relocated by City of Sherwood
- 64 New Streetlight See Sht PA02

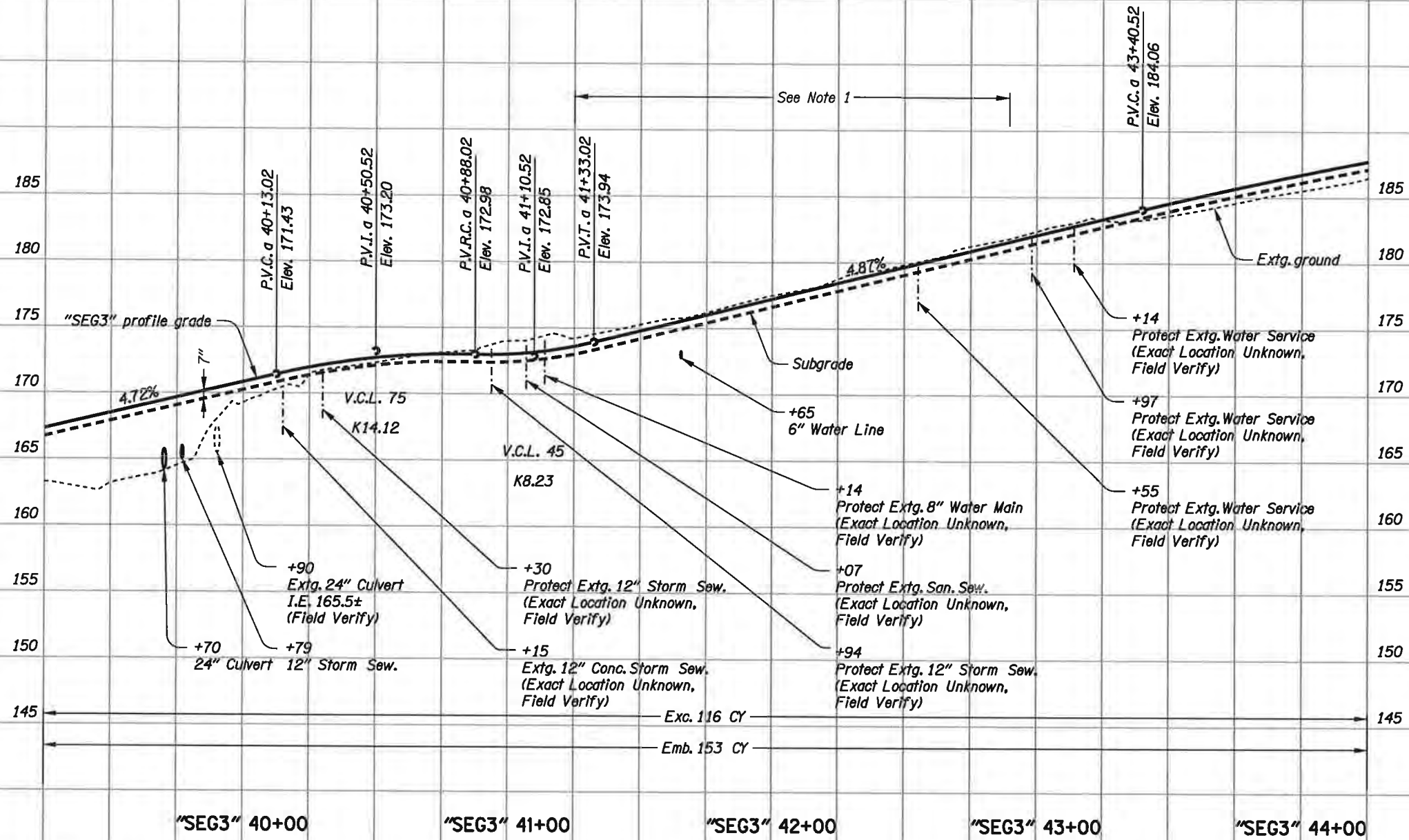
MATCH LINE STA. 39+25 SEE SHEET C06A

MATCH LINE STA. 44+25 SEE SHEET C06A

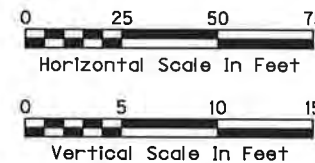


REGISTERED PROFESSIONAL ENGINEER
 72869PE
 OREGON
 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

Jacobs		2020 SW 4TH AVE. - 3RD FLOOR PORTLAND, OR 97201-4953 TEL. 503.235.5000	
CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)			
PACIFIC HIGHWAY WEST WASHINGTON COUNTY			
Designer: M Little	Reviewer: R Attanasio		SHEET NO.
Drafter: M Wainscott	Checker: R Attanasio		C07A
DRAINAGE AND UTILITIES			



Notes:
 1. Trail Pavement is attached to existing curb or new 6" vertical curb along Alexander Lane as shown in the Plans. Field Verify top of adjacent curb, and construct trail pavement to match top of curb with 1.5% cross-slope from the top of curb as shown on Sht. BA03. Where discrepancy between top of adjacent curb and vertical alignment is encountered, top of adjacent curb shall control for trail construction.



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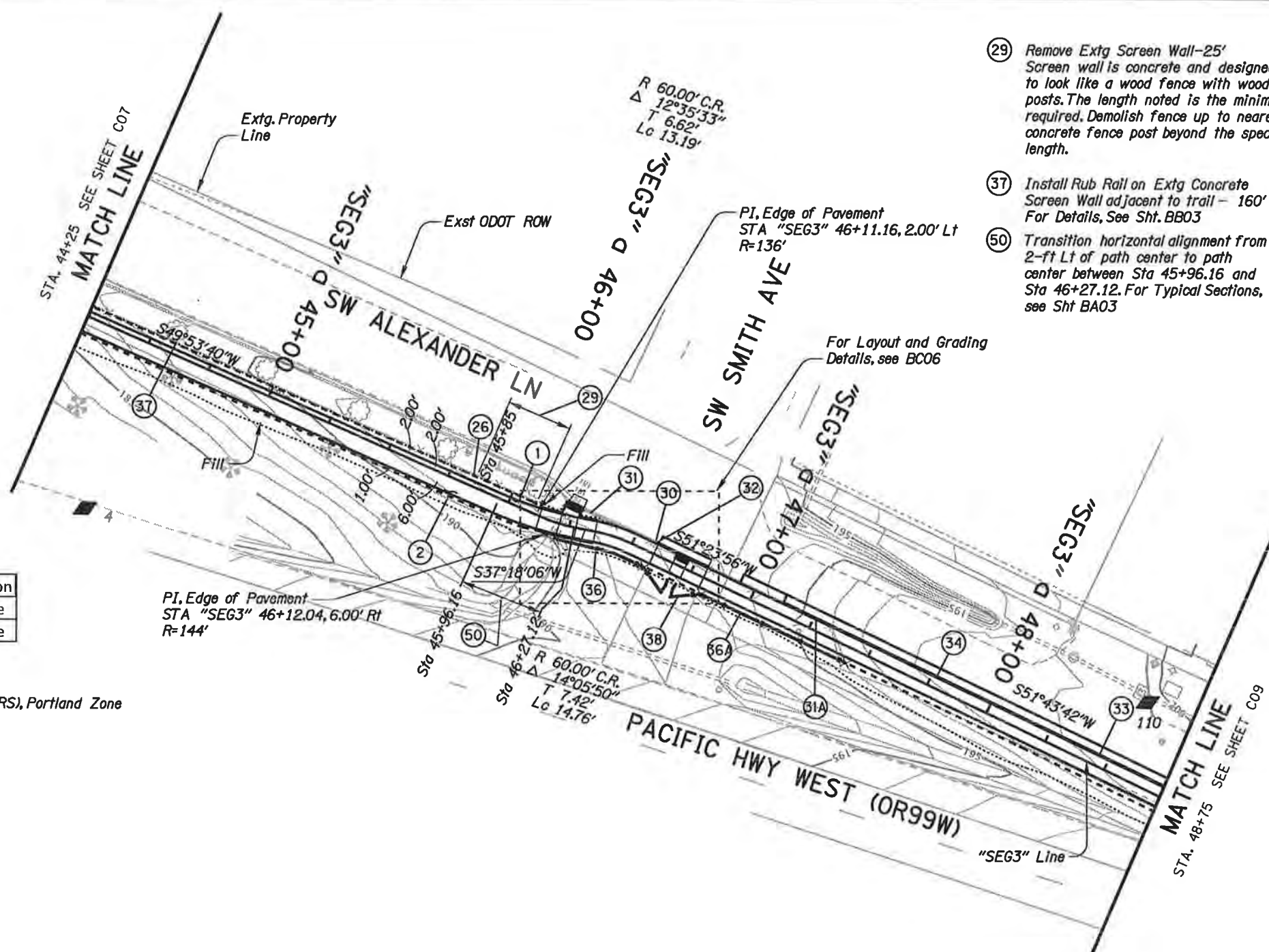
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Blittancourt
 Drafter: M Wainscott Checker: M Blittancourt

PROFILE

SHEET NO.
 C07B



- (29) Remove Extg Screen Wall-25' Screen wall is concrete and designed to look like a wood fence with wood posts. The length noted is the minimum required. Demolish fence up to nearest concrete fence post beyond the specified length.
- (37) Install Rub Rail on Extg Concrete Screen Wall adjacent to trail - 160' For Details, See Sht. BB03
- (50) Transition horizontal alignment from 2-ft Lt of path center to path center between Sta 45+96.16 and Sta 46+27.12. For Typical Sections, see Sht BA03
- (1) Const. Asph. Conc. Shared-Use Path
- (2) Const. Aggregate Shoulder
- (26) Protect Extg. Screen Wall
- (30) Remove Extg. 23' Wide, 4' Chain Link Double Swing Gate
- (31) Sta. "SEG3" a 46+21.88 To Sta. "SEG3" a 46+57.38, Lt. Remove Extg. 4' Chain Link Fence - 36'
- (31A) Sta. "SEG3" a 46+80.57 To Sta. "SEG3" a 47+42.28, Lt. Remove Extg. 4' Chain Link Fence - 67'
- (32) Protect Extg. Curb
- (33) Const. Vertical Curb. For Details, see City of Sherwood Std. Drg. No. RD-21
- (34) Sawcut, Remove and Replace Asphalt Concrete 3' Outside of New Curb to Match Extg.
- (36) Sta. "SEG3" a 46+21.5, 5.5'Rt. To Sta. "SEG3" a 46+57.73, 5.5'Rt. Const. Type CL-4 Chain Link Fence -32' (See Std Drg. No. RD815.)
- (36A) Sta. "SEG3" a 46+81.83, 5.5'Rt. To Sta. "SEG3" a 47+43.44, 5.5'Rt. Const. Type CL-4 Chain Link Fence -61' (See Std Drg. No. RD815.)
- (38) Inst. 24' Double Swing Locked Gate -1 (See Std Drg. No. RD820.)

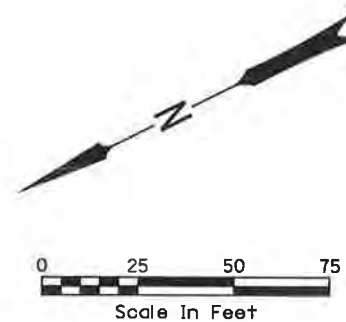
SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
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110	113,466.00	300,990.37	199.32	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88

CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- - - - Anchor Mesh Wall
- - - - Mat Stone Embankment
- - - - Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence



REGISTERED PROFESSIONAL ENGINEER
 72869PE
 Digitally Signed
 OREGON
 Oct. 23, 2009
 MATTHEW RYAN LITTLE
 EXPIRES: 12/31/2022

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



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

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

GENERAL CONSTRUCTION

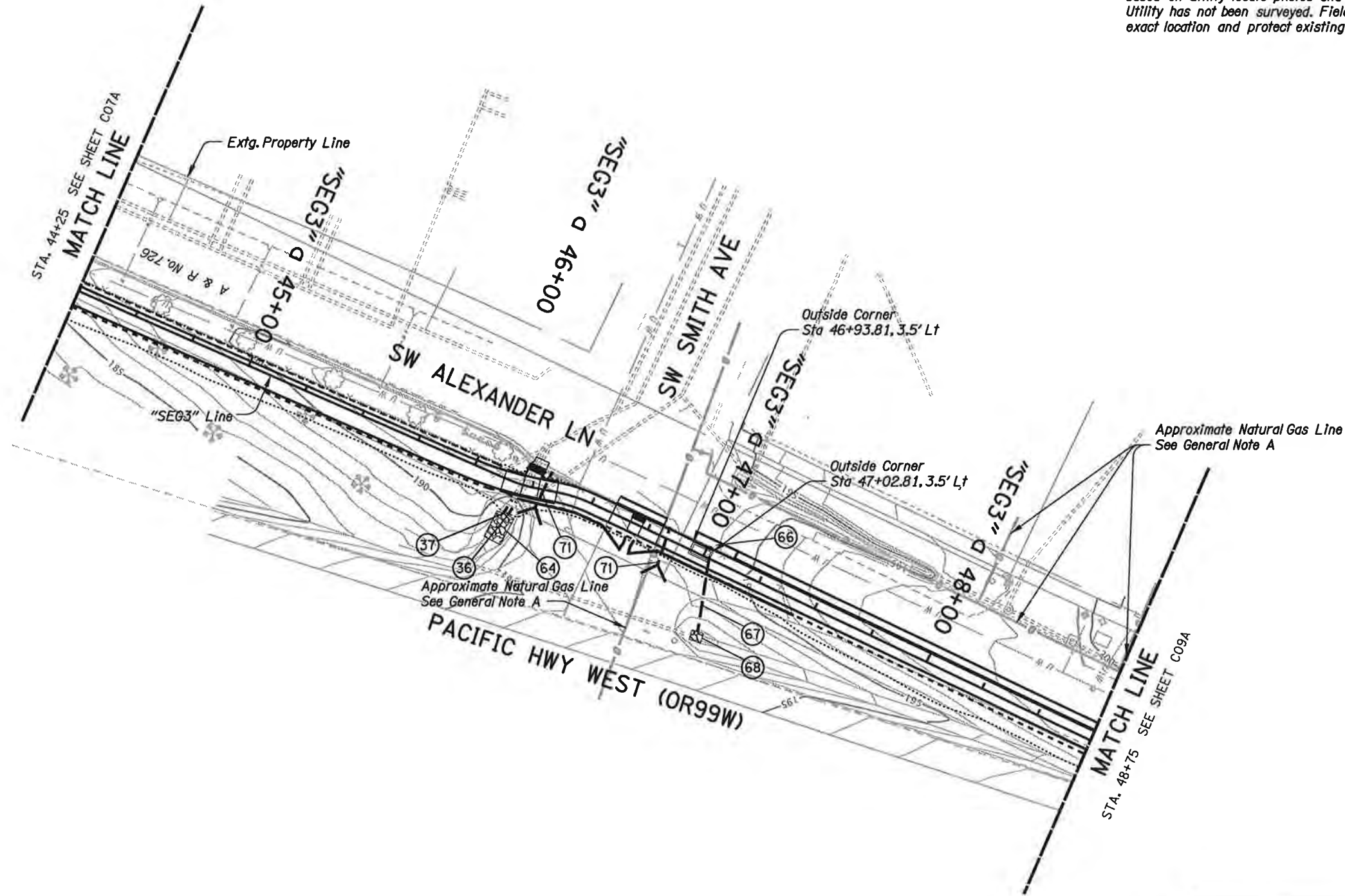
SHEET NO.
CO8

Sec. 30, T. 2S, R. 1W, W.M.

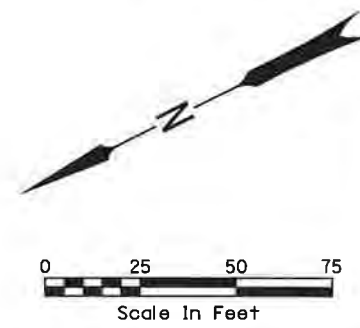
54V-027

General Notes:

A. Existing utility line is shown approximately based on utility locate photos and figures. Utility has not been surveyed. Field verify exact location and protect existing utility.



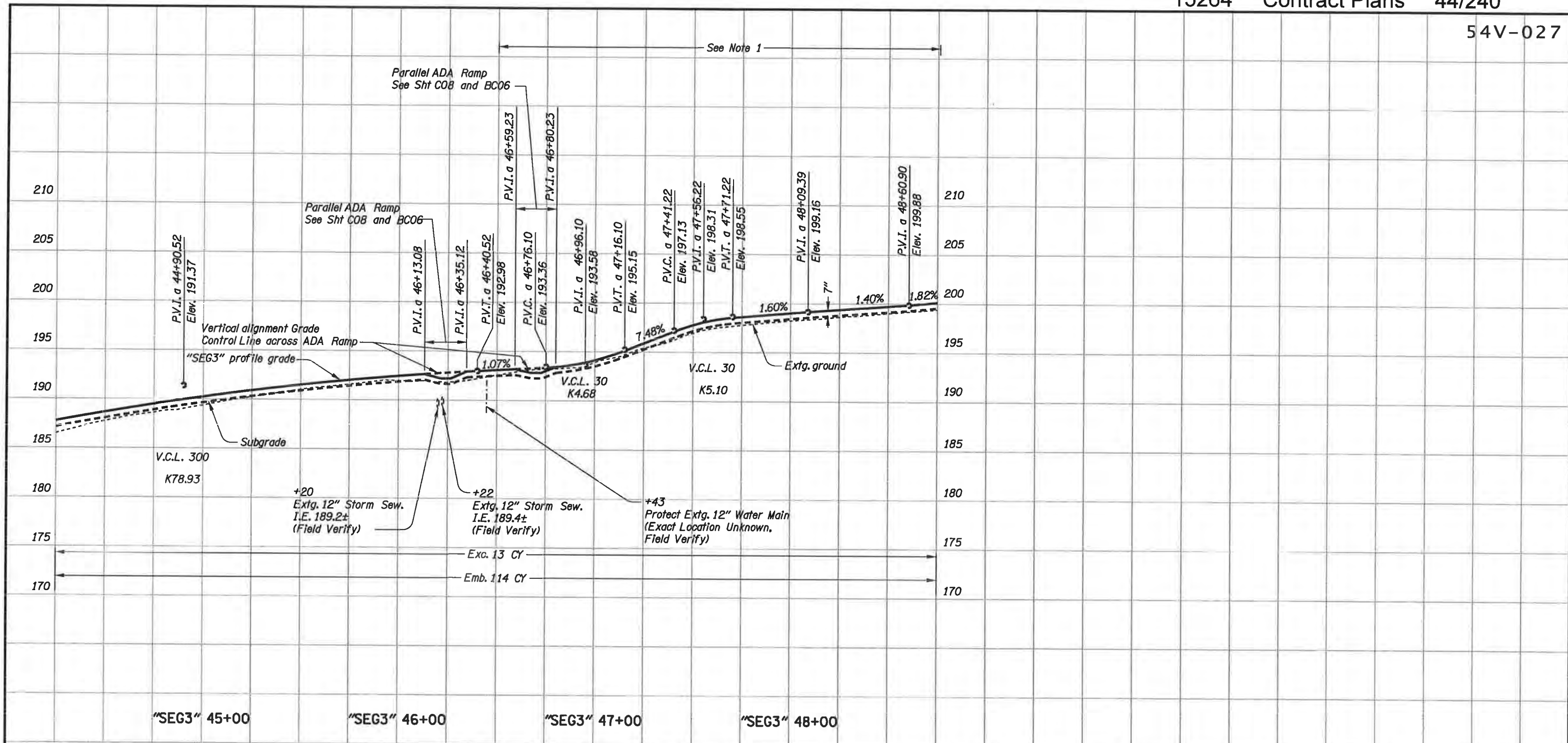
- 36 STA. "SEG3" 46+01.78, 4' Lt
Extend Extg. 12" Conc Storm Sew. - 7' 5' Depth
I.E. (Tie-in) 189.25,
I.E. (Outfall) 189.00
Connect with Fernco Coupling or Approved Equal.
Provide Sloped End.
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
- 37 STA. "SEG3" 45+98.05, 4.00' Lt
Extend Extg. 12" Conc Storm Sew. - 7' 5' Depth
I.E. (Tie-in) 189.08,
I.E. (Outfall) 189.00
Connect with Fernco Coupling or Approved Equal.
Provide Sloped End
(See Std. Drg. No. RD318)
For Details, See Sht. BB03
- 64 STA. "SEG3" 46+17.26, 25.41' Rt
Inst. W=8', L=8', T=4.3' (CL. 200)
Riprap Pad
- 10.2 Cu.Yd.
Instead of Riprap backing, wrap sides and bottom riprap with Type 2 Woven Riprap Geotextile as spec'd in Section 02320
See Std. Drg. No. RD317
- 66 STA. "SEG3" See Plan
Const. Water Quality Structure DF-1 as specified in Section 01010.
Bottom of Curb Inlet Elev: 193.80
I.E. (Out): 190.90
(For Profile, see sht HB02)
- 67 STA. "SEG3" 47+01.19, 4.56' Rt
Inst. 12" Dia. Storm Sew. Pipe with Sloped End - 29'
5' Depth I.E. (Outfall) 190.60
(For Details, See Sht. BB03)
(For Profile, see Sht. HB02)
- 68 STA. "SEG3" Sta 47+01.91, 28.72' Rt
Inst. W=5', L=4', T=2.3' (CL. 50) Riprap Pad - 1.7 Cu.Yd.
Wrap sides and bottom of riprap with Type 2 Woven Riprap Geotextile as spec'd in Section 02320
See Std. Drg. No. RD317
- 71 Connect to extg. weephole with 3" PVC schedule 80 pipe. Slope pipe at 2% to drain away from curb and daylight north end of pipe.



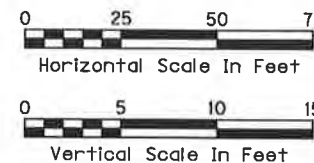
REGISTERED PROFESSIONAL
ENGINEER
72869PE
Digitally Signed
2020.12.17 22:13:51 -0800
OREGON
Oct. 23, 2009
MATTHEW RYAN LITTLE

EXPIRES: 12/31/2022

Jacobs		2020 SW 4TH AVE. - 3RD FLOOR PORTLAND, OR 97201-4953 TEL. 503.235.5000	
CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)			
PACIFIC HIGHWAY WEST WASHINGTON COUNTY			
Designer: M Little	Reviewer: R Attanasio		SHEET NO.
Drafter: M Walmscott	Checker: R Attanasio		C08A
DRAINAGE AND UTILITIES			



Notes:
 1. Trail Pavement is attached to existing curb or new 6" vertical curb along Alexander Lane as shown in the Plans. Field Verify top of adjacent curb, and construct trail pavement to match top of curb with 1.5% cross-slope from the top of curb as shown on Sht. BA03. Where discrepancy between top of adjacent curb and vertical alignment is encountered, top of adjacent curb shall control for trail construction.



EXPIRES: 12/31/2022

FINAL ELECTRONIC DOCUMENT
 AVAIL ABLE UPON REQUEST

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

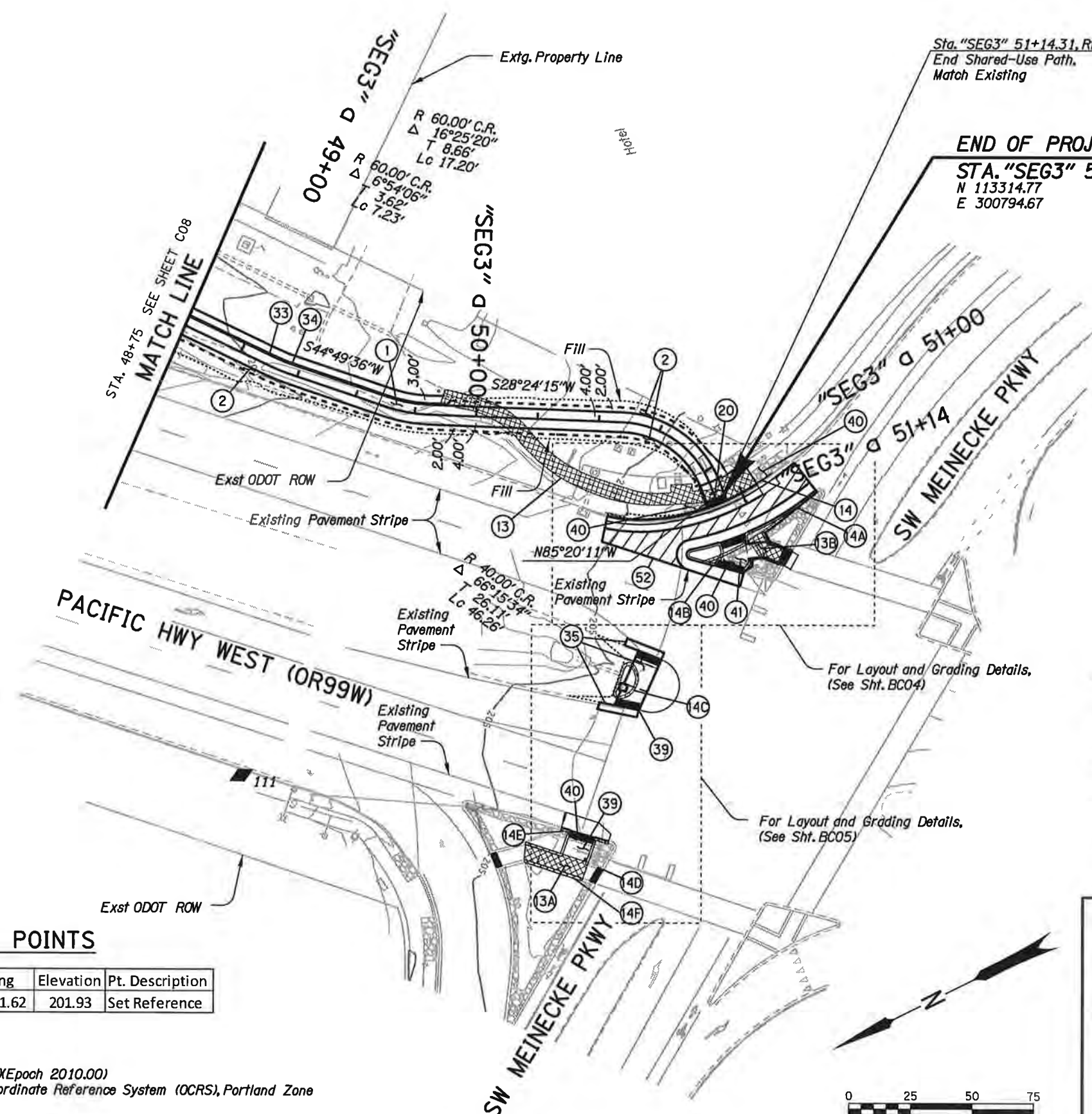
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Waincott Checker: M Bittancourt

PROFILE

SHEET NO.
C08B



- ① Const. Asph. Conc. Shared-Use Path
- ② Const. Aggregate Shoulder
- ⑬ Remove Extg. Sidewalk - 877 sf
- ⑬A Remove Extg. Sidewalk - 150 sf
- ⑬B Remove Extg. Sidewalk - 87 sf
- ⑭ Sawcut and Remove Extg. Curb and Gutter - 63'
- ⑭A Sawcut and Remove Extg. Mountable Curb - 42'
- ⑭B Sawcut and Remove Extg. Mountable Curb - 55'
- ⑭C Sawcut and Remove Extg. Mountable Curb - 35'
- ⑭D Sawcut and Remove Extg. Mountable Curb - 26'
- ⑭E Sawcut and Remove Extg. Mountable Curb - 20'
- ⑭F Sawcut and Remove Extg. Mountable Curb - 25'
- ⑳ Const. Access Ramp and Landing (For Details, See Sht. BC04)
- ⑳ Const. Vertical Curb. (For Details, See City of Sherwood Std. Drg. No. RD-21)
- ⑳ Sawcut, Remove and Replace Asphalt Conc. 3' Outside of New Curb to Match Extg.
- ㉓ Sawcut and Remove Extg. AC Pavement - 360 sf
- ㉔ Const. Intersection Island. (For Details, See Sht. BC05)
- ④① Remove Flagstone Pavement
- ④① Const. Intersection Island Modification. (For Details, See Sht. BC04)
- ④② Asphalt Concrete Mill And Inlay Boundary (For Details, See Sht. BC04)

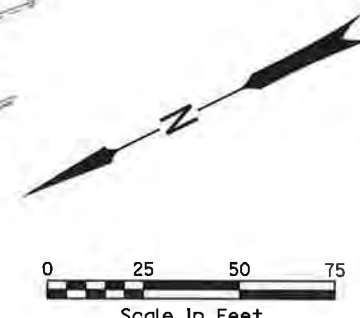
CONSTRUCTION LEGEND

- Retaining Wall
- - - Cut Line
- Fill Line
- - - - Anchor Mesh Wall
- - - - Mat Stone Embankment
- - - - Aggregate Shoulder
- Edge of Asphalt Concrete
- Chain Link Fence
- ||| Orange Plastic Mesh Fence
- + Tree Removal

SURVEY CONTROL POINTS

Point ID	Northing	Easting	Elevation	Pt. Description
111	113,536.87	300,781.62	201.93	Set Reference

Survey Notes:
 1. Horizontal Datum: NAD83(2011) Epoch 2010.00
 2. Coordinate System: Oregon Coordinate Reference System (OCRS), Portland Zone
 3. Vertical Datum: NAVD88



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

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Bittancourt
 Drafter: M Wainscott Checker: M Bittancourt

EXPIRES: 12/31/2022

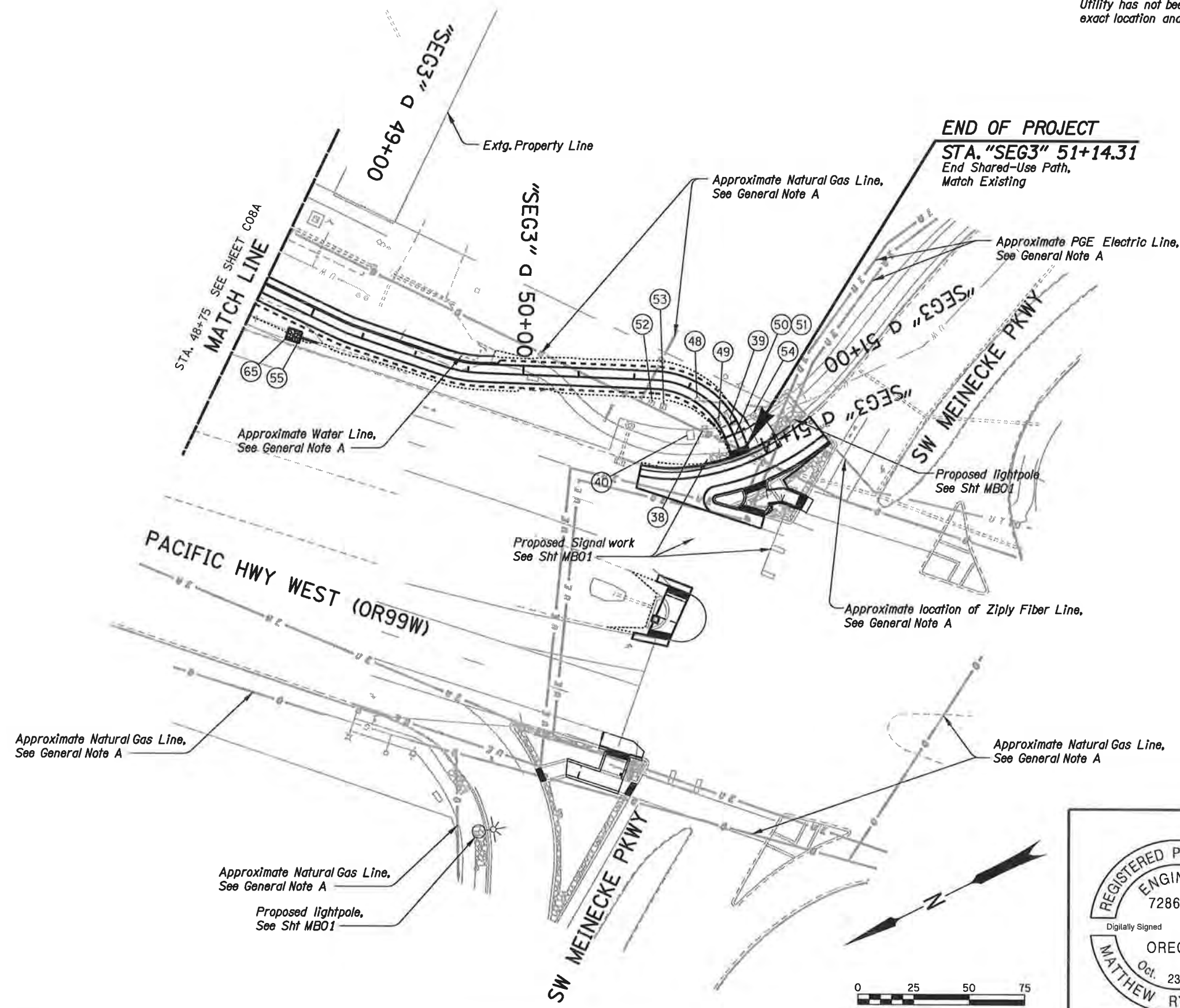
GENERAL CONSTRUCTION SHEET NO. C09

Sec. 30, T. 2S, R. 1W, W.M.

54V-027

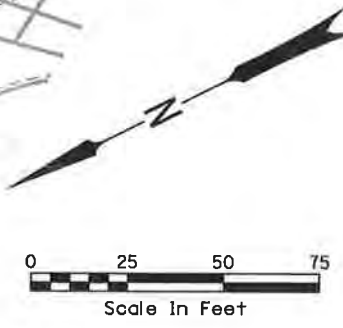
General Notes:

A. Existing utility line is shown approximately based on utility locate photos and figures. Utility has not been surveyed. Field verify exact location and protect existing utility.



- (38) Protect Extg. Elec. Junction Box and Traffic Signal Box
- (39) For Relocation of Extg. ODOT Traffic Signal Meter Base, See Sht. MB01
- (40) Protect Extg. Elec. Transformer
- (48) Extg. Ziplly Fiber Pedestal to be Replaced with Junction Box by Utility Prior to Construction. Coordinate with Ziplly. Ziplly to perform final adjustment of top of box to match finish grade.
- (49) For Relocation of Signal Junction Box, See Sht. MB01
- (50) Remove Extg. Junction Box
- (51) Inst. New Junction Box to Match Finish Grade TOC 206.56. (See Std. Drg. Nos. TM471 & TM472)
- (52) Protect Extg. Electrical Box
- (53) Protect Extg. Communication Box
- (54) Protect Extg. Traffic Signal Cabinet
- (55) STA. "SEG3" Sta 49+01.60, 11.60' Rt. Connect to and Extend Extg. 15" Conc Culvert - 7' 5' Depth
I.E. (Tie-in) 198.21
I.E. (Outfall) 198.03
Field Verify Location and Match Extg. Pipe Dia. Connect with Fernco Coupling or Approved Equal Provide Sloped End (See Std. Drg. No. RD318) For Details, See Sht. BB03
- (65) STA. "SEG3" Sta 48+96.85, 11.08' Rt Inst. W=5', L=6.25', T=2.3' (CL. 50) Riprap Pad - 2.7 Cu.Yd. Wrap sides and bottom of riprap with Type 2 Woven Riprap Geotextile as spec'd In Section 02320 See Std. Drg. No. RD317

- Notes:
1. For Signal Plan, See sht. MB01.
 2. Field Verify Depth and Location of all Utilities and Associated Structures to be Protected In-Place.



REGISTERED PROFESSIONAL ENGINEER
72869PE
Digitally Signed 2020.12.17 22:14:56-0807
OREGON
Oct. 23, 2009
MATTHEW RYAN LITTLE
EXPIRES: 12/31/2022

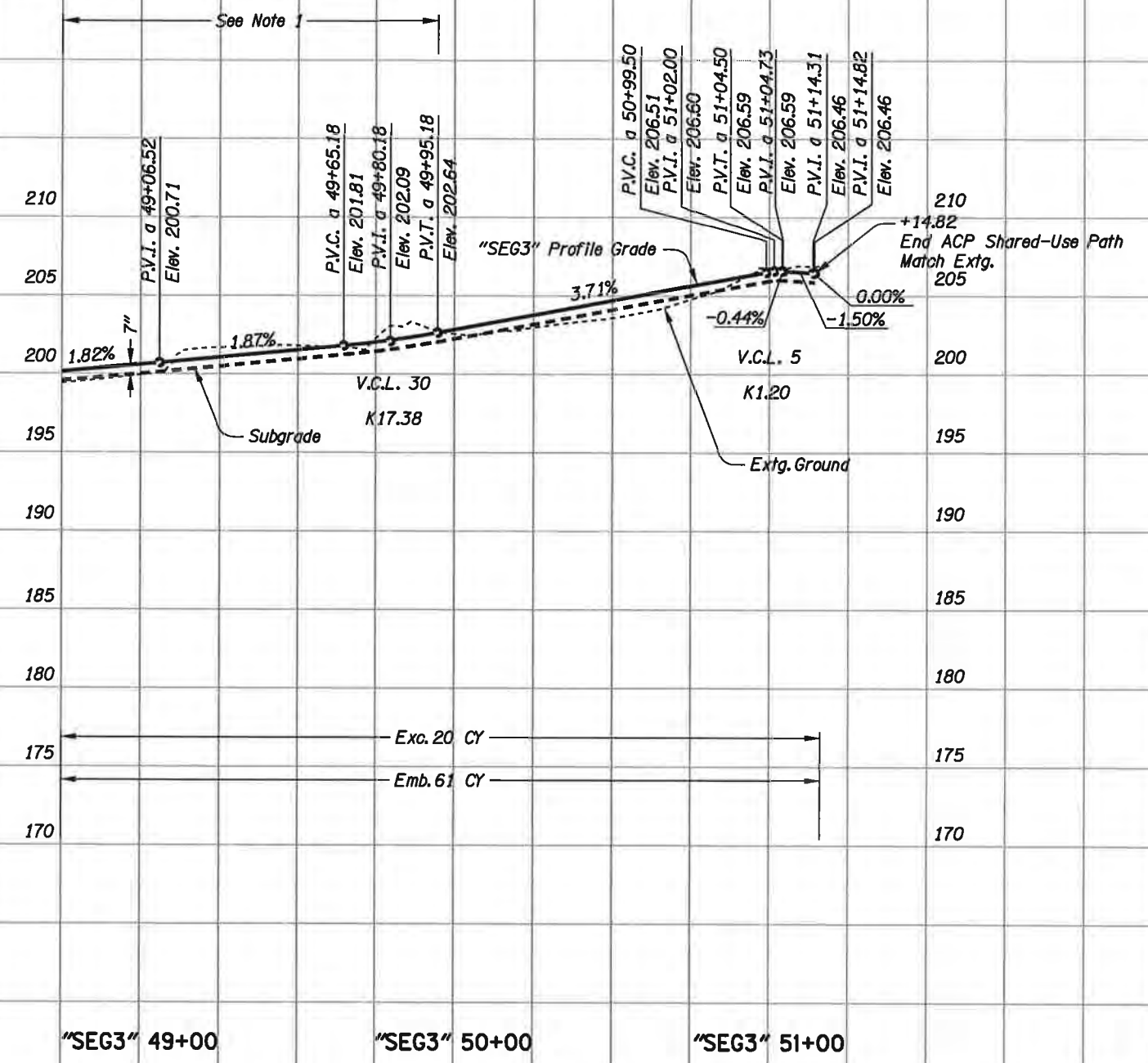
Jacobs 2020 SW 4TH AVE. - 3RD FLOOR
PORTLAND, OR 97201-4953
TEL. 503.235.5000

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

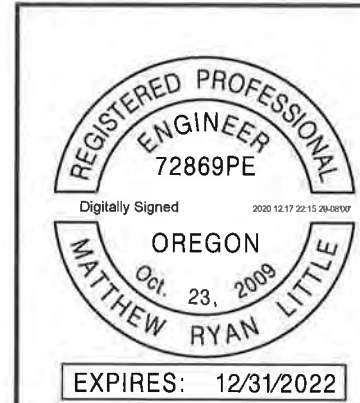
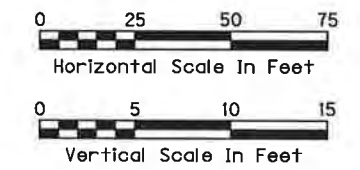
PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M Little Reviewer: R Attanasio
Drafter: M Wainscott Checker: R Attanasio

DRAINAGE AND UTILITIES SHEET NO. C09A



Notes:
 1. Trail Pavement is attached to existing curb or new 6" vertical curb along Alexander Lane as shown in the Plans. Field Verify top of adjacent curb, and construct trail pavement to match top of curb with 1.5% cross-slope from the top of curb as shown on Sht. BA03. Where discrepancy between top of adjacent curb and vertical alignment is encountered, top of adjacent curb shall control for trail construction.



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 PORTLAND, OR 97201-4953
 TEL. 503.235.5000

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

PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M Little Reviewer: M Blittancourt
 Drafter: M Waincott Checker: M Blittancourt

PROFILE

SHEET NO.
C09B

PLANTING NOTES

1. PRIOR TO BEGINNING WORK, INVENTORY EXISTING CONDITIONS INCLUDING EXISTING UTILITY LOCATIONS. PROTECT IN PLACE EXISTING UTILITIES. USE CAUTION. CALL BEFORE DIGGING AND BEFORE OVERHEAD WORK.
2. PROTECT IN PLACE ALL TREES AND LANDSCAPE OUTSIDE LIMITS OF PROJECT IMPROVEMENTS. REPLACE ALL PLANTS DAMAGED DUE TO CONSTRUCTION WITH PLANTS OF THE SAME GENUS, SPECIES, VARIETY, SIZE AND FORM AT THE CONTRACTOR'S EXPENSE.
3. VERIFY ALL PLANT QUANTITIES. PLANT SCHEDULE IS ONLY PROVIDED AS A REFERENCE.
4. PROVIDE MATERIAL SAMPLES WITH 48 HOURS NOTICE PRIOR TO INSTALLATION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL OF ALL MATERIALS SPECIFIED IN THE PLANTING PLAN.
5. PLANT MATERIAL IS TO HAVE IDENTIFICATION TAGS ON 10% OF THE TOTAL QUANTITY OF EACH SPECIES SHOWING GENUS, SPECIES, VARIETY, ETC.
6. SEE PLANTING DETAILS FOR THE INSTALLATION OF TREES AND FOR THE TREATMENT AT PLANTING AREAS.
7. VERIFY THAT ALL NEW PLANT MATERIAL MEETS NURSERY TRADE STANDARDS BY PLANT SPECIES AND CONTAINER SIZE. PLANTS SHALL BE HEALTHY AND IN GOOD CONDITION. TREES WITH DAMAGED TRUNKS OR IMPROPER PRUNING WILL BE REJECTED BY THE ENGINEER.
8. CONFIRM APPROVAL OF FINISHED GRADING FROM OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
9. SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. TESTING REQUIRES FOUR TO FIVE WEEKS. ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.
10. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE HYDROSEEDDED.

PLANT MAINTENANCE REQUIREMENTS (LONG TERM)

1. LONG-TERM MAINTENANCE OF PLANTING AREAS IS THE RESPONSIBILITY OF THE PROJECT OWNER.
2. REPLACE GROUND COVER, SHRUBS AND TREES AS NECESSARY WITH SAME SPECIES AS ORIGINALLY SPECIFIED.
3. REPLACE OR RE-SET TREE STAKES AND TIES AS NECESSARY.
4. PRUNE TREES TO ALLOW THE NATURAL BRANCHING STRUCTURE TO DEVELOP.
5. ALLOW GRASSES TO STAND UNTIL FEBRUARY TO PROVIDE ARCHITECTURAL INTEREST IN THE LANDSCAPE DURING THE WINTER MONTHS. CUT BACK FOLIAGE IN FEBRUARY (OR BEFORE NEW SPRING GROWTH EMERGES) TO APPROXIMATELY 6" ABOVE THE GROUND.
6. IMPLEMENT A REGULAR FERTILIZATION PROGRAM FOR PLANTS THAT REQUIRE REGULAR FERTILIZATION TO KEEP THESE PLANTS IN OPTIMUM HEALTH. SUBMIT SOIL SAMPLES FROM ANY PROBLEM AREAS FOR REMEDIAL RECOMMENDATIONS.
7. CHECK, CLEAN AND RE-GRADE SWALES, GRADES AND DRAINS AS NECESSARY TO ENSURE POSITIVE DRAINAGE.
8. REPAIR ANY SOIL EROSION AS SOON AS DISCOVERED.
9. MAINTAIN SPECIFIED FINISH GRADES ADJACENT TO PAVEMENTS TO AVOID TRIPPING HAZARD.

PLANT LIST

STREETSCAPE TREES (Trees shall be planted a minimum of 5' from the trail shoulder edge)

BOTANICAL NAME	COMMON NAME	PLANT TYPE	QTY	SIZE	TYPE
<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Ginkgo	TREE	11	2" Cal.	BB
<i>Cercis canadensis</i>	Canadian Red Bud	TREE	3	1-1/2" Cal.	BB
<i>Acer platanoides</i>	Norway Maple	TREE	1	2" Cal.	BB

REINFORCED SOIL SLOPE PLANTING

BOTANICAL NAME	COMMON NAME	PLANT TYPE	QTY	SIZE	TYPE
<i>Gaultheria shallon</i>	Salal	SHRUB	3,500	.39 Gal.	CONT



SEED MIX PALETTE 'A' - ALONG ALEXANDER LANE (SEEDING RATE: 120 LBS PER ACRE)

BOTANICAL NAME	COMMON NAME	PLANT TYPE	QTY	TOTAL
<i>Festuca trachyphylla</i> 'Eureka II'	Eureka II Hard Fescue	Seed	19%	Per plans
<i>Festuca ovina</i> 'Quatro'	Quatro Tetraploid Sheep Fescue	Seed	19%	Per plans
<i>Festuca rubra</i> var <i>commutate</i>	Longfellow 3 Chewings Fescue	Seed	19%	Per plans
<i>Festuca rubra</i> 'Chantilly'	Chantilly Creeping Red Fescue	Seed	19%	Per plans
<i>Festuca rubra</i> <i>trichophylla</i>	Lighthouse Slender Red Fescue	Seed	19%	Per plans
<i>Trifolium repens</i>	White Clover	Seed	5%	Per plans

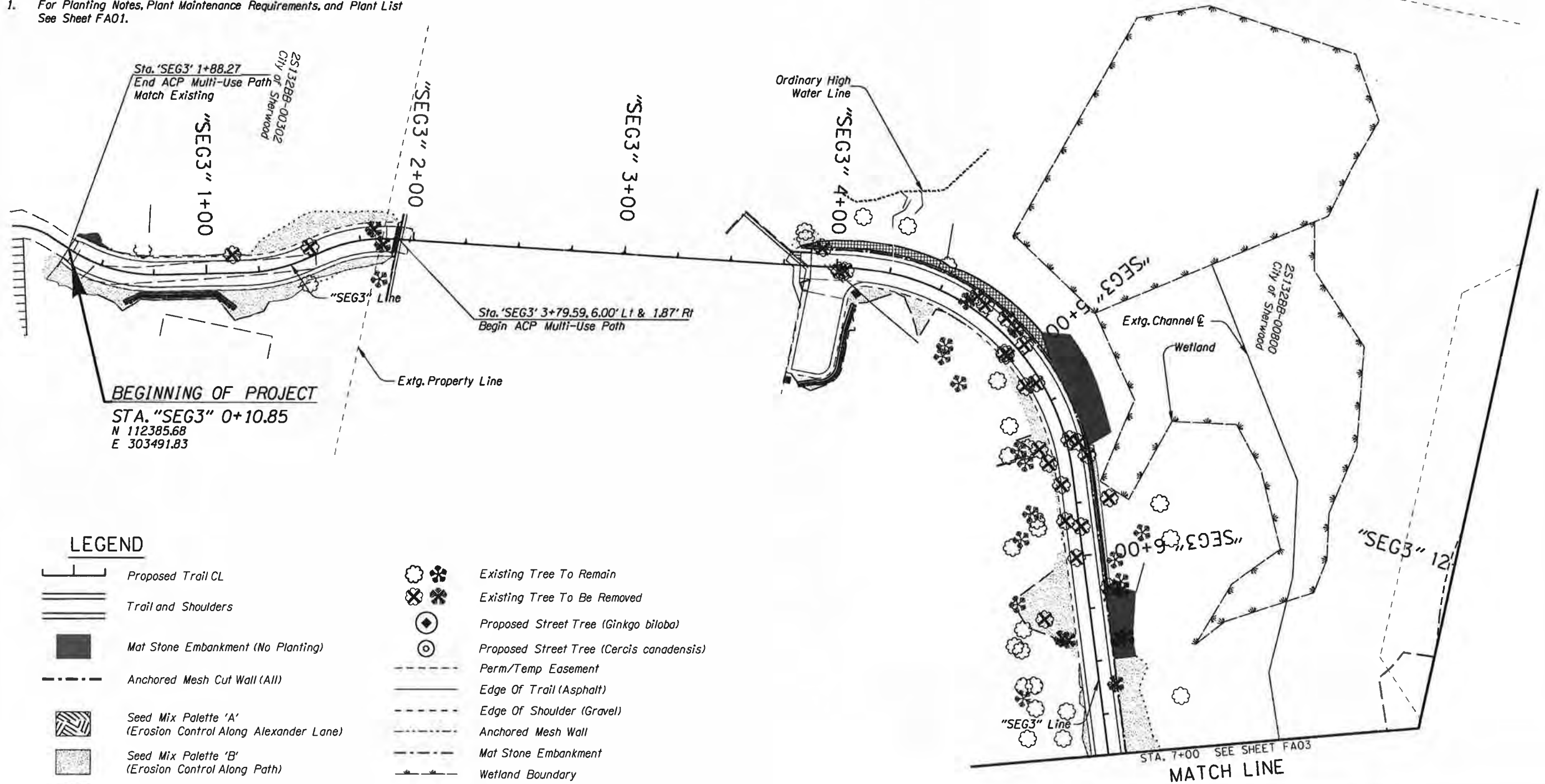
SEED MIX PALETTE 'B' - EROSION CONTROL ALONG PATH (SEEDING RATE: 40 LBS PER ACRE)

BOTANICAL NAME	COMMON NAME	PLANT TYPE	QTY	TOTAL
<i>Elymus glaucus</i>	Blue Wildrye	Seed	39%	Per plans
<i>Bromus carinatus</i>	California Brome	Seed	30%	Per plans
<i>Danthonia californica</i>	California Oatgrass	Seed	10%	Per plans
<i>Festuca roemerii</i>	Roemer's Fescue	Seed	10%	Per plans
<i>Koeleria macrantha</i>	Prairie Junegrass	Seed	11%	Per plans



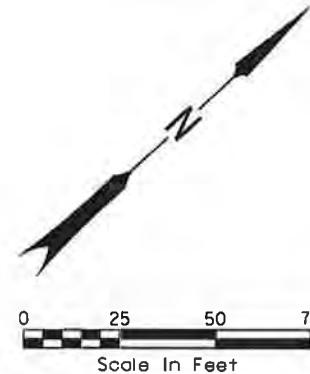
	711 SE GRAND AVENUE PORTLAND, OR 97214 TEL. 503.230.9862 ALTAGO.COM	
	STRUCTURE NAME CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)	
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		
Designer: M STEWART/ J ROSZEL Drafter: ALTA STAFF	Reviewer: M ROSE Checker: M ROSE	SHEET NO. FA01
PLANTING PLAN GENERAL NOTES		

Notes:
 1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

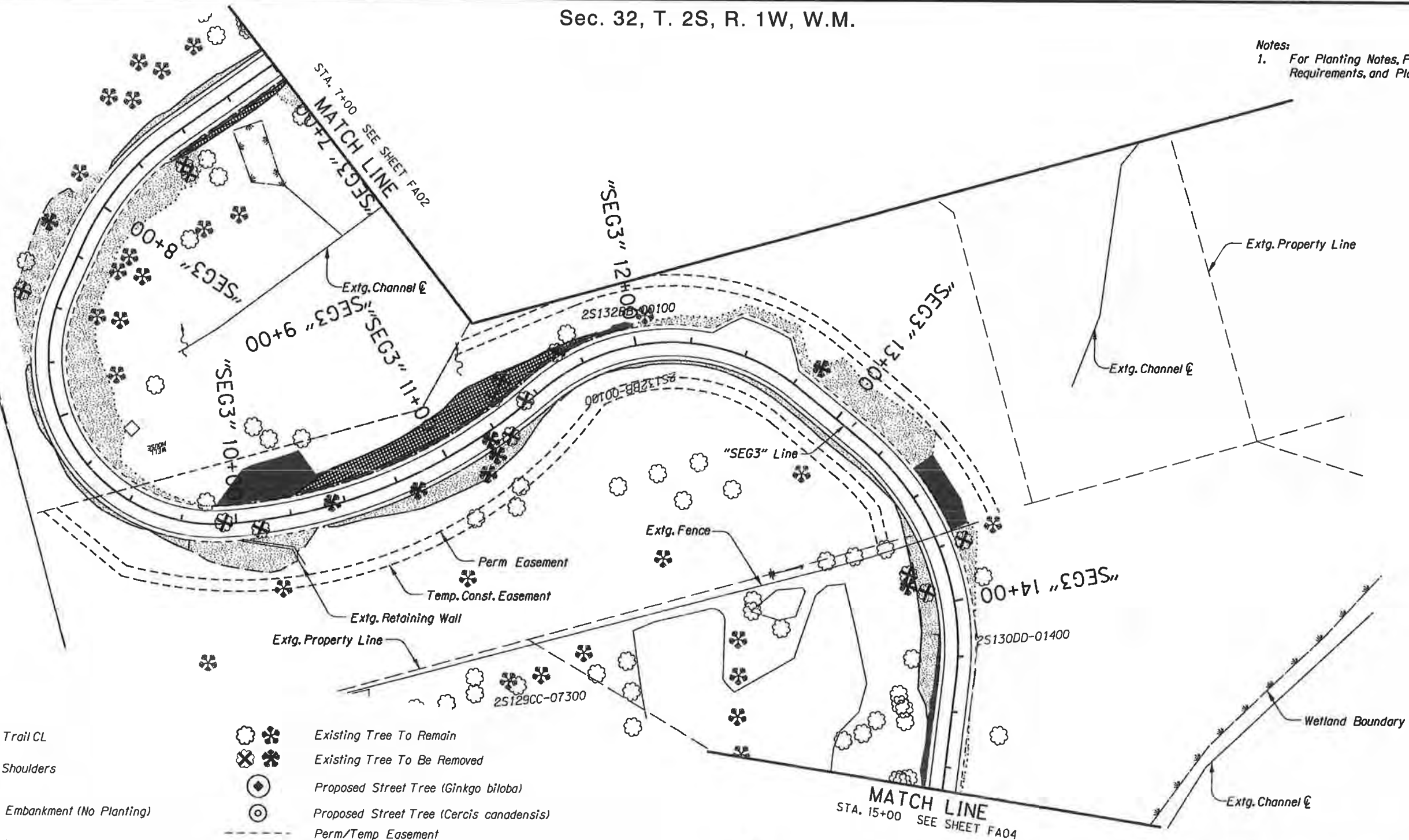
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|--|--|--|--|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (Ginkgo biloba) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (Cercis canadensis) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |



	711 SE GRAND AVENUE PORTLAND, OR 97214 TEL. 503.230.9862 ALTAGO.COM	
	STRUCTURE NAME CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)	
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		
Designer: M STEWART/ J ROSZEL Drafter: ALTA STAFF	Reviewer: M ROSE Checker: M ROSE	
PLANTING PLAN SEGMENT 3		SHEET NO. FA02

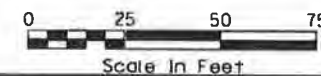
Notes:
 1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.

2S132BB-00101



LEGEND

- | | | | |
|--|--|--|---|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (<i>Ginkgo biloba</i>) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (<i>Cercis canadensis</i>) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |


















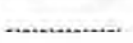



REGISTERED
 627
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 MICHAEL W. ROSE
 05/11/2021
 OREGON
 LANDSCAPE ARCHITECT

alta
 711 SE GRAND AVENUE
 PORTLAND, OR 97214
 TEL. 503.230.9862
 ALTAGO.COM

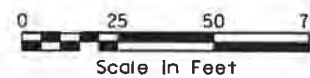
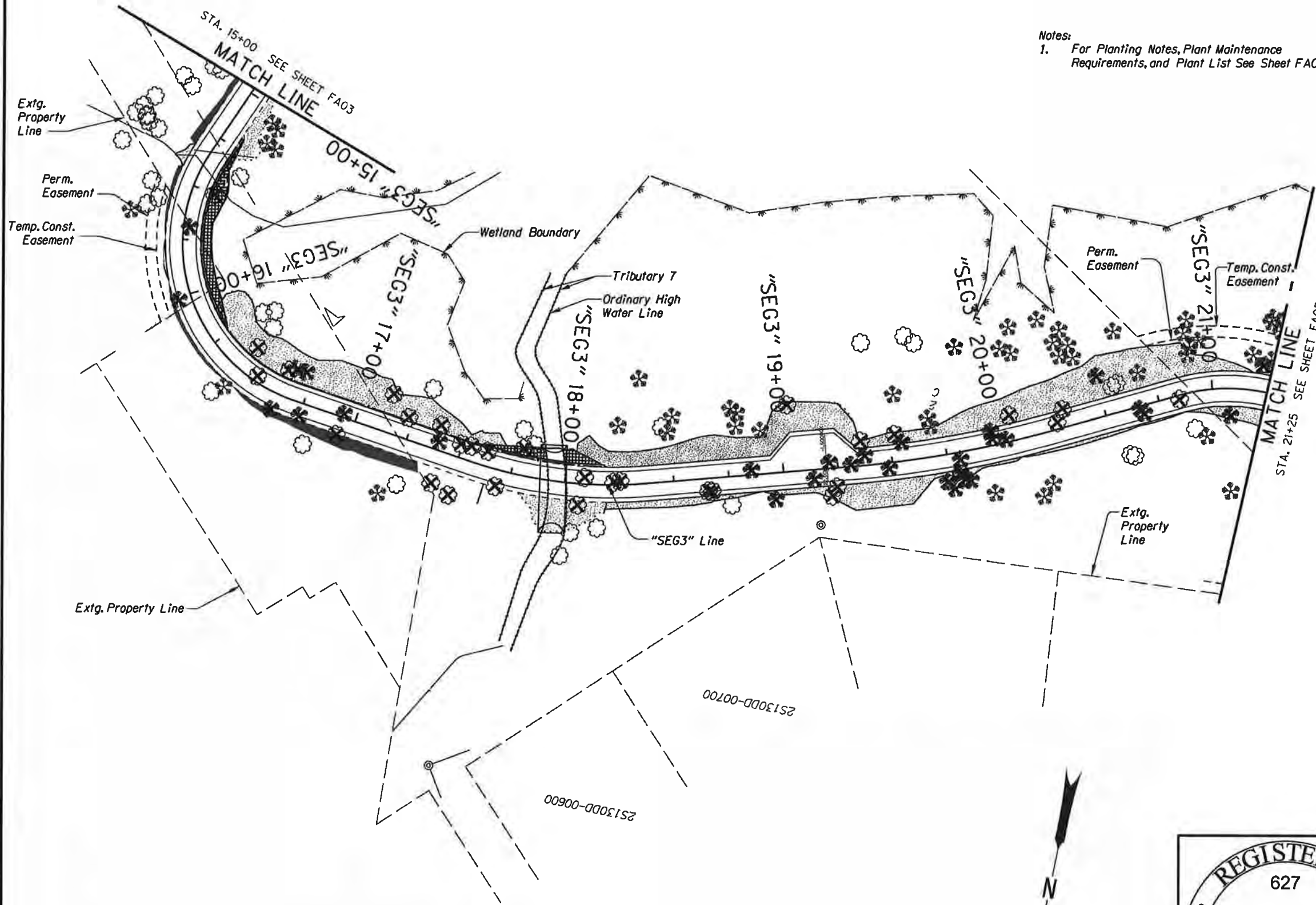
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**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**
 PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY
 Designer: M STEWART/J ROSZEL Reviewer: M ROSE
 Drafter: ALTA STAFF Checker: M ROSE

**PLANTING PLAN
 SEGMENT 3**
 SHEET NO.
 FA03

LEGEND

-  Proposed Trail CL
-  Trail and Shoulders
-  Mat Stone Embankment (No Planting)
-  Anchored Mesh Cut Wall (All)
-  Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane)
-  Seed Mix Palette 'B'
(Erosion Control Along Path)
-  Reinforced Soil Slope
-  Existing Tree To Remain
-  Existing Tree To Be Removed
-  Proposed Street Tree (Ginkgo biloba)
-  Proposed Street Tree (Cercis canadensis)
-  Perm/Temp Easement
-  Edge Of Trail (Asphalt)
-  Edge Of Shoulder (Gravel)
-  Anchored Mesh Wall
-  Mat Stone Embankment
-  Wetland Boundary
-  Property Line
-  Ordinary High Water

Notes:
1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.

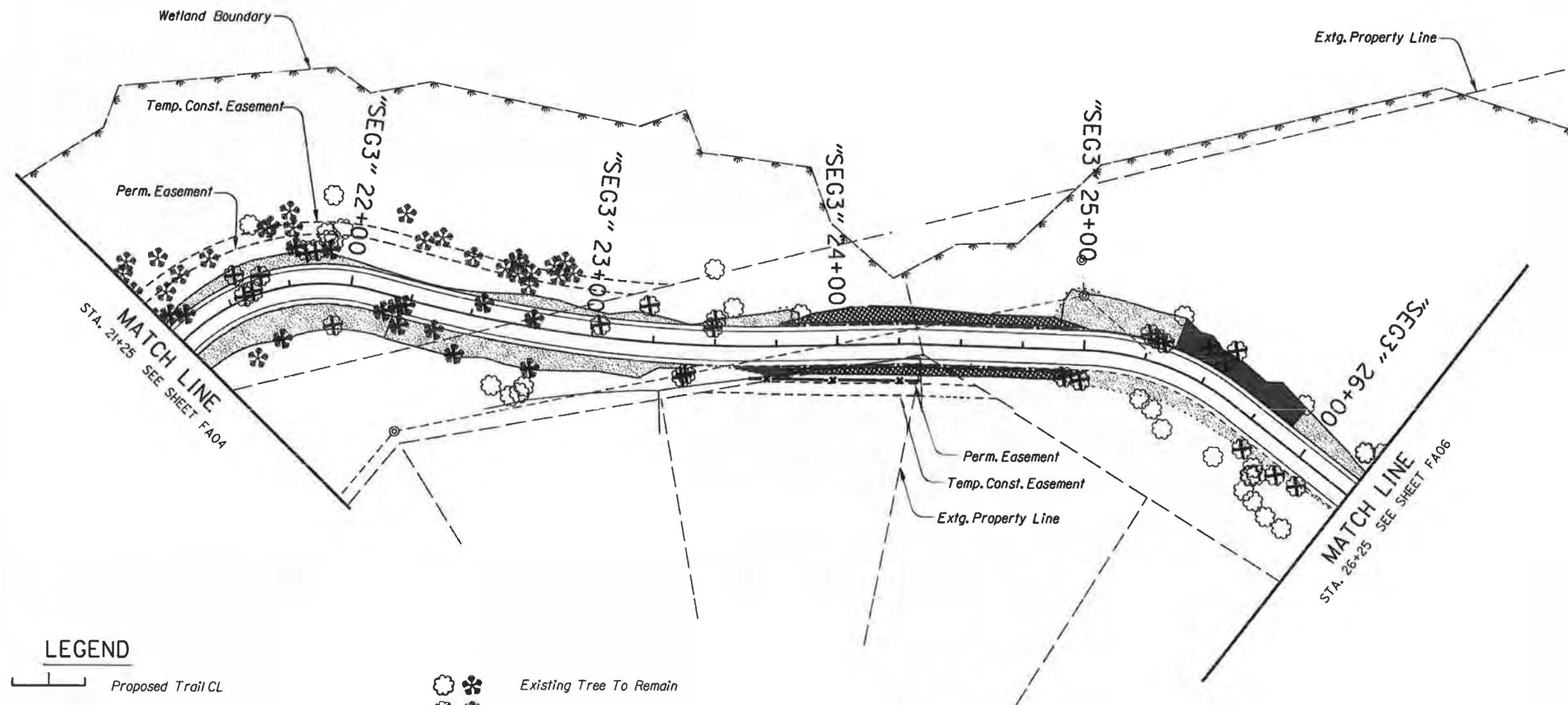


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MICHAEL W. ROSE
05/11/2021
OREGON
LANDSCAPE ARCHITECT

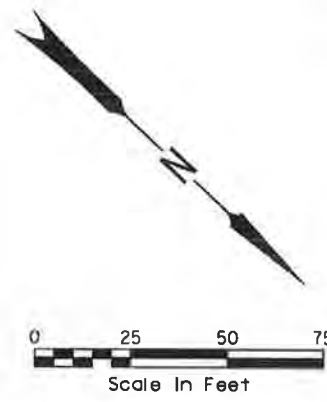
alta	711 SE GRAND AVENUE PORTLAND, OR 97214 TEL. 503.230.9862 ALTAGO.COM
STRUCTURE NAME CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)	
PACIFIC HIGHWAY WEST WASHINGTON COUNTY	
Designer: M STEWART/ J ROSZEL	Reviewer: M ROSE
Drafter: ALTA STAFF	Checker: M ROSE
PLANTING PLAN SEGMENT 3	
SHEET NO. FA04	

Notes:
 1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

- | | | | |
|--|--|--|--|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (Ginkgo biloba) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (Cercis canadensis) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |



REGISTERED ARCHITECT
 627
 Digitally Signed 2020.12.17 13:35:30 -08'00'
 MICHAEL W. ROSE
 05/11/2021
 OREGON

alta 711 SE GRAND AVENUE
 PORTLAND, OR 97214
 TEL. 503.230.9862
 ALTAGO.COM

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

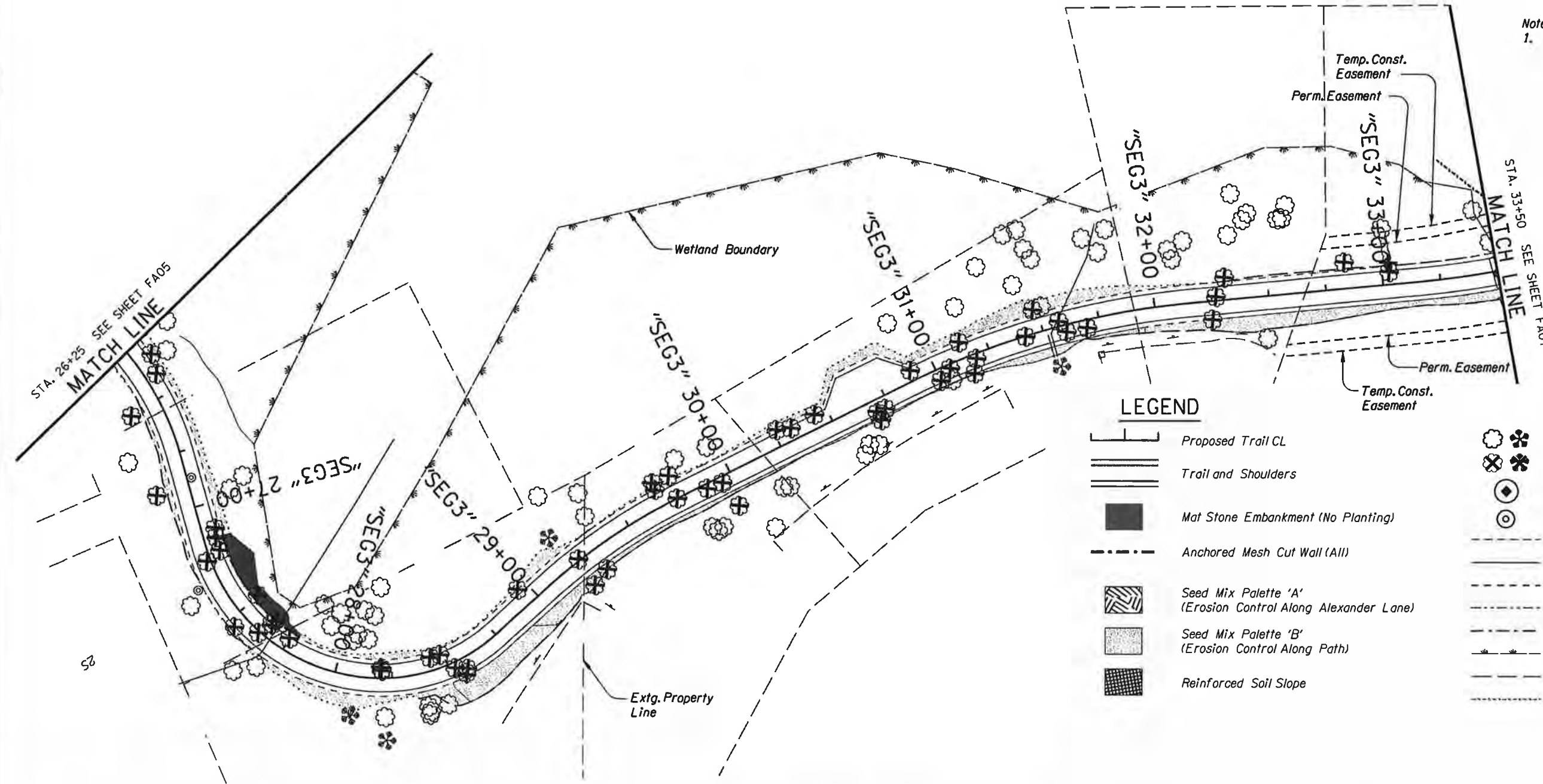
PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY

Designer: M STEWART/J ROSZEL Reviewer: M ROSE
 Drafter: ALTA STAFF Checker: M ROSE

**PLANTING PLAN
 SEGMENT 3**

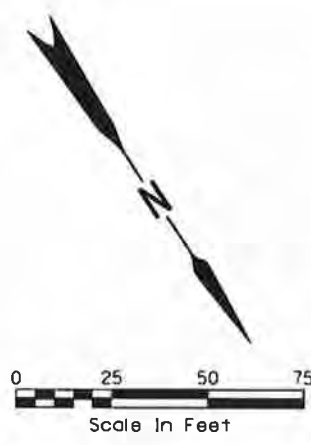
SHEET NO.
 FA05

Notes:
1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

- Proposed Trail CL
- Trail and Shoulders
- Mat Stone Embankment (No Planting)
- Anchored Mesh Cut Wall (All)
- Seed Mix Palette 'A' (Erosion Control Along Alexander Lane)
- Seed Mix Palette 'B' (Erosion Control Along Path)
- Reinforced Soil Slope
- Existing Tree To Remain
- Existing Tree To Be Removed
- Proposed Street Tree (*Ginkgo biloba*)
- Proposed Street Tree (*Cercis canadensis*)
- Perm/Temp Easement
- Edge Of Trail (Asphalt)
- Edge Of Shoulder (Gravel)
- Anchored Mesh Wall
- Mat Stone Embankment
- Wetland Boundary
- Property Line
- Ordinary High Water



REGISTERED
627
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05/11/2021
OREGON
LANDSCAPE ARCHITECT

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

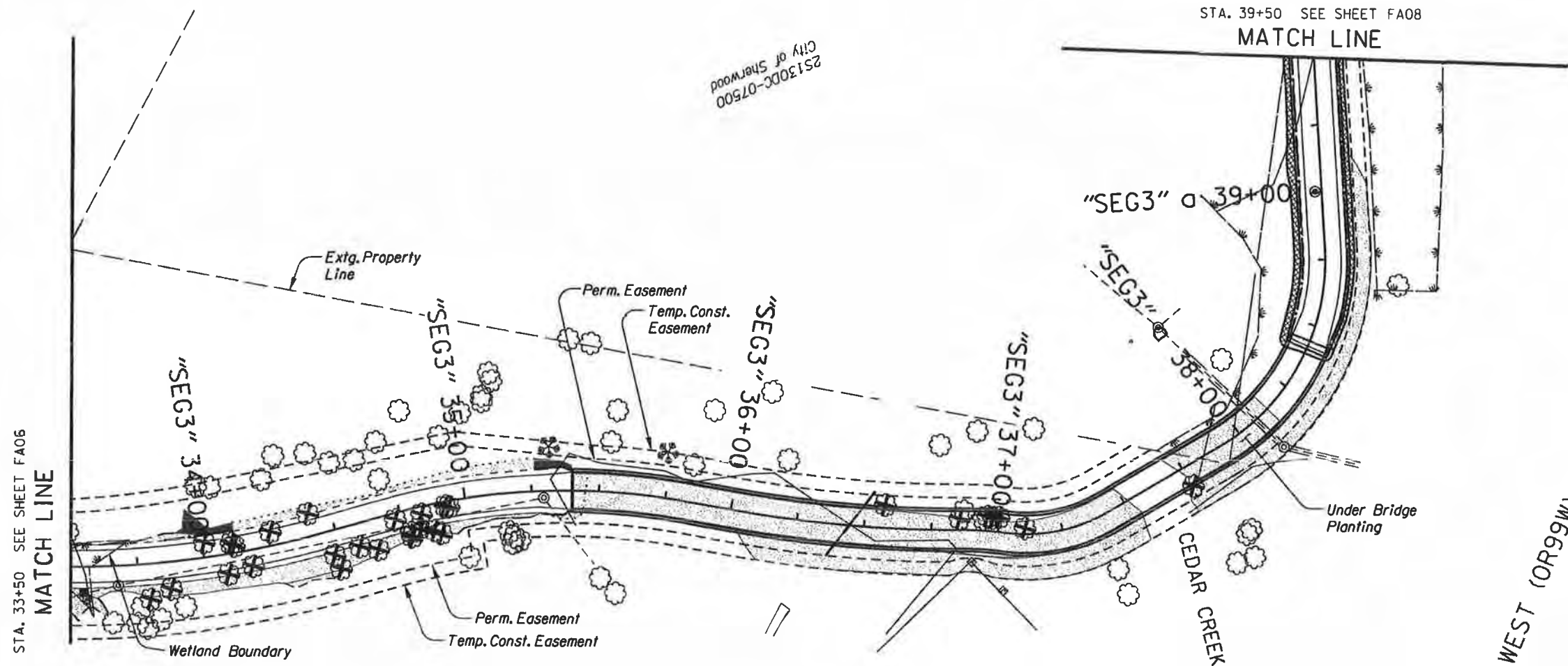
PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M STEWART/J ROSZEL Reviewer: M ROSE
Drafter: ALTA STAFF Checker: M ROSE

PLANTING PLAN
SEGMENT 3

SHEET NO.
FA06

Notes:
1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

- | | | | |
|--|--|--|--|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (Ginkgo biloba) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (Cercis canadensis) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |



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TEL. 503.230.9862
ALTAGO.COM

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

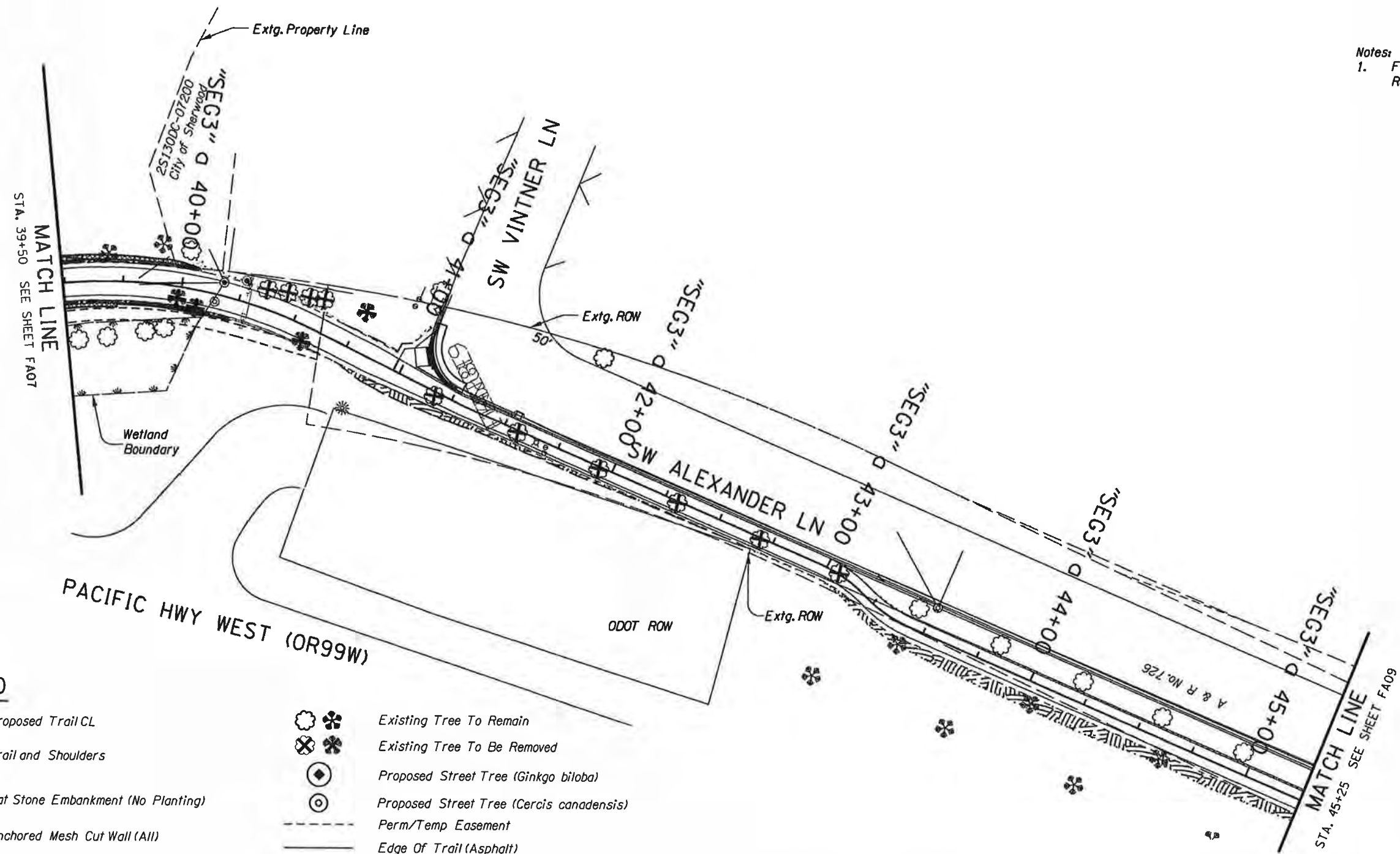
PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M STEWART/J ROSZEL Reviewer: M ROSE
Drafter: ALTA STAFF Checker: M ROSE

**PLANTING PLAN
SEGMENT 3**

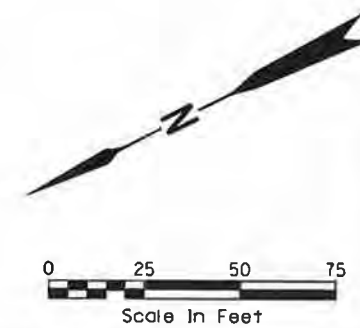
SHEET NO.
FA07

Notes:
 1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

- | | | | |
|--|--|--|--|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (Ginkgo biloba) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (Cercis canadensis) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |
| | | | Replacement Tree (Acer Platanoides) |



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 627
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 MICHAEL W. ROSE
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 OREGON
 LANDSCAPE ARCHITECT

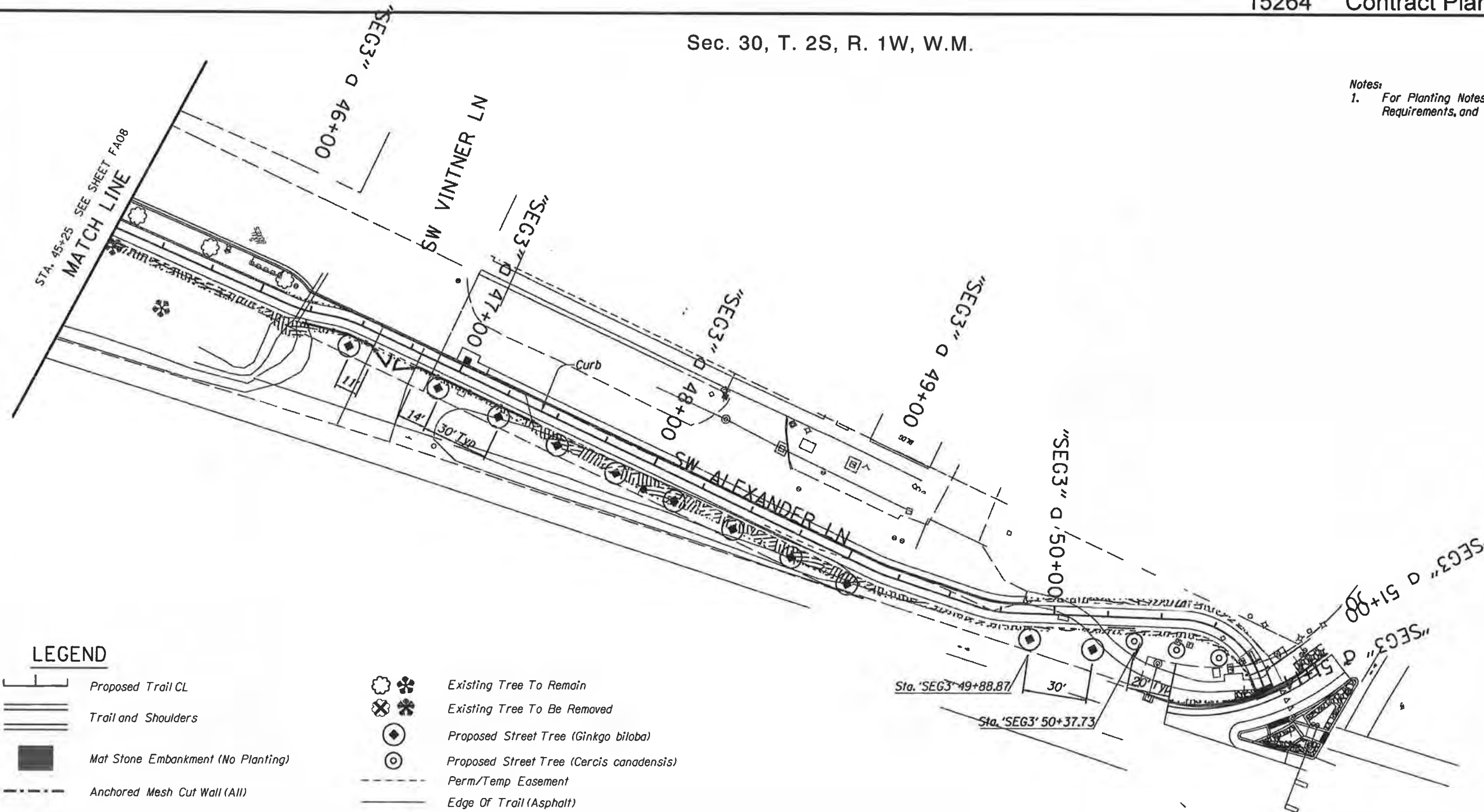
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 PORTLAND, OR 97214
 TEL. 503.230.9882
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STRUCTURE NAME
**CEDAR CREEK/TONQUIN TRAIL:
 OR99W - SW PINE ST (SHERWOOD)**
 PACIFIC HIGHWAY WEST
 WASHINGTON COUNTY
 Designer: M STEWART/ J ROSZEL Reviewer: M ROSE
 Drafter: ALTA STAFF Checker: M ROSE

**PLANTING PLAN
 SEGMENT 3** SHEET NO.
 FA08

Sec. 30, T. 2S, R. 1W, W.M.

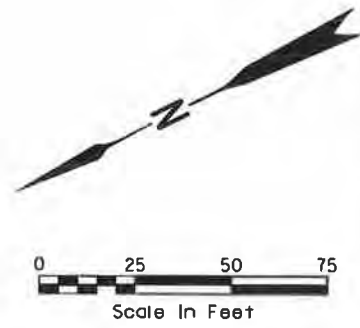
Notes:
1. For Planting Notes, Plant Maintenance Requirements, and Plant List See Sheet FA01.



LEGEND

- | | | | |
|--|--|--|--|
| | Proposed Trail CL | | Existing Tree To Remain |
| | Trail and Shoulders | | Existing Tree To Be Removed |
| | Mat Stone Embankment (No Planting) | | Proposed Street Tree (Ginkgo biloba) |
| | Anchored Mesh Cut Wall (All) | | Proposed Street Tree (Cercis canadensis) |
| | Seed Mix Palette 'A'
(Erosion Control Along Alexander Lane) | | Perm/Temp Easement |
| | Seed Mix Palette 'B'
(Erosion Control Along Path) | | Edge Of Trail (Asphalt) |
| | Reinforced Soil Slope | | Edge Of Shoulder (Gravel) |
| | | | Anchored Mesh Wall |
| | | | Mat Stone Embankment |
| | | | Wetland Boundary |
| | | | Property Line |
| | | | Ordinary High Water |

Sta. 'SEG3' 49+88.87
Sta. 'SEG3' 50+37.73



REGISTERED ARCHITECT
627
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05/11/2021
OREGON
LANDSCAPE ARCHITECT

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ALTAGO.COM

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

PACIFIC HIGHWAY WEST
WASHINGTON COUNTY

Designer: M STEWART/ J ROSZEL Reviewer: M ROSE
Drafter: ALTA STAFF Checker: M ROSE

**PLANTING PLAN
SEGMENT 3**

SHEET NO.
FA09

PLANTING PLAN DETAILS

General Planting Notes:

- * Ensure that trees are planted beyond the "clear zone". verify with the engineer prior to planting.
- * Adjust planting locations so that vegetation doesn't conflict with above - or below-ground utilities.
- * Locate underground utility lines prior to digging tree holes.
- * Adjust plant locations to avoid conflict with traffic sight lines and signs or other appurtenances.
- * See 'American Standard For Nursery Stock' for plant quality minimum standards such as size of root ball or caliper of trunk.
- * All dimensions shown on details are minimum dimensions.
- * See plant list or special provisions for plant material that may need to be wild-collected or contract-grown.

STREET TREE STAKING NOTES:

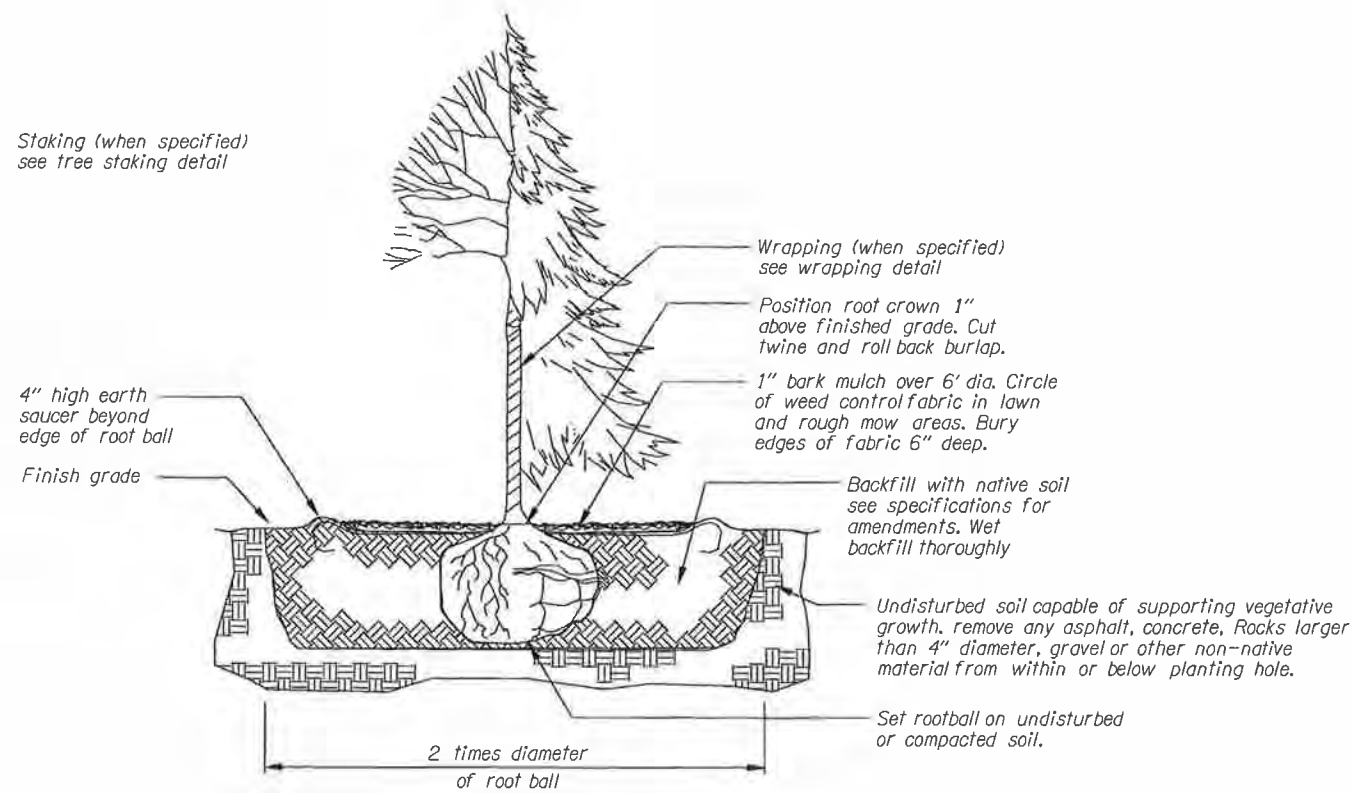
Furnish tree stakes on all street tree plantings. Stakes to be construction grade, rough sawn or finished douglas fir or pine. stain with an approved green penetrating oil. Stake size is to be 1 "x1 " by the following lengths:

- Trees 36" and shorter - use one - 6' (approx.) stake.
- Trees taller than 36" - use two - 8' (approx.) stakes.

Drive stakes vertically and at least 12" into undisturbed soil. Do not drive stakes thru root ball. Locate stakes to best resist prevailing winds where possible.

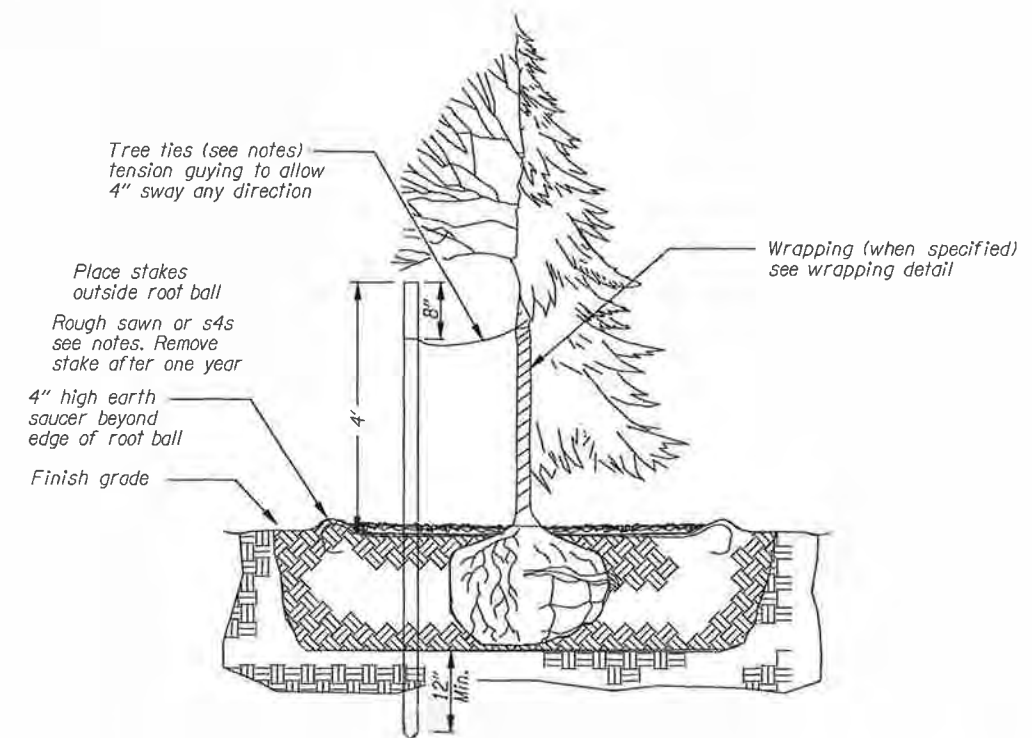
Tree ties to be either:

- Plastic chain type, approximately 1" width by 1/8" depth. Where two stakes are required, cross the ties between stakes and wrap tie once around tree. Fasten securely to stake.
- Rigid guy system as manufactured by Alpine Nursery, Boring, Oregon. The galvanized wire is to be approximately 1/8" in thickness and 24" in length. there is to be a plastic sleeve over the portion that goes around the tree. The wire tie is to go thru the wood stake and be securely fastened.



TREE PLANTING

(All Forms Except Bareroot)

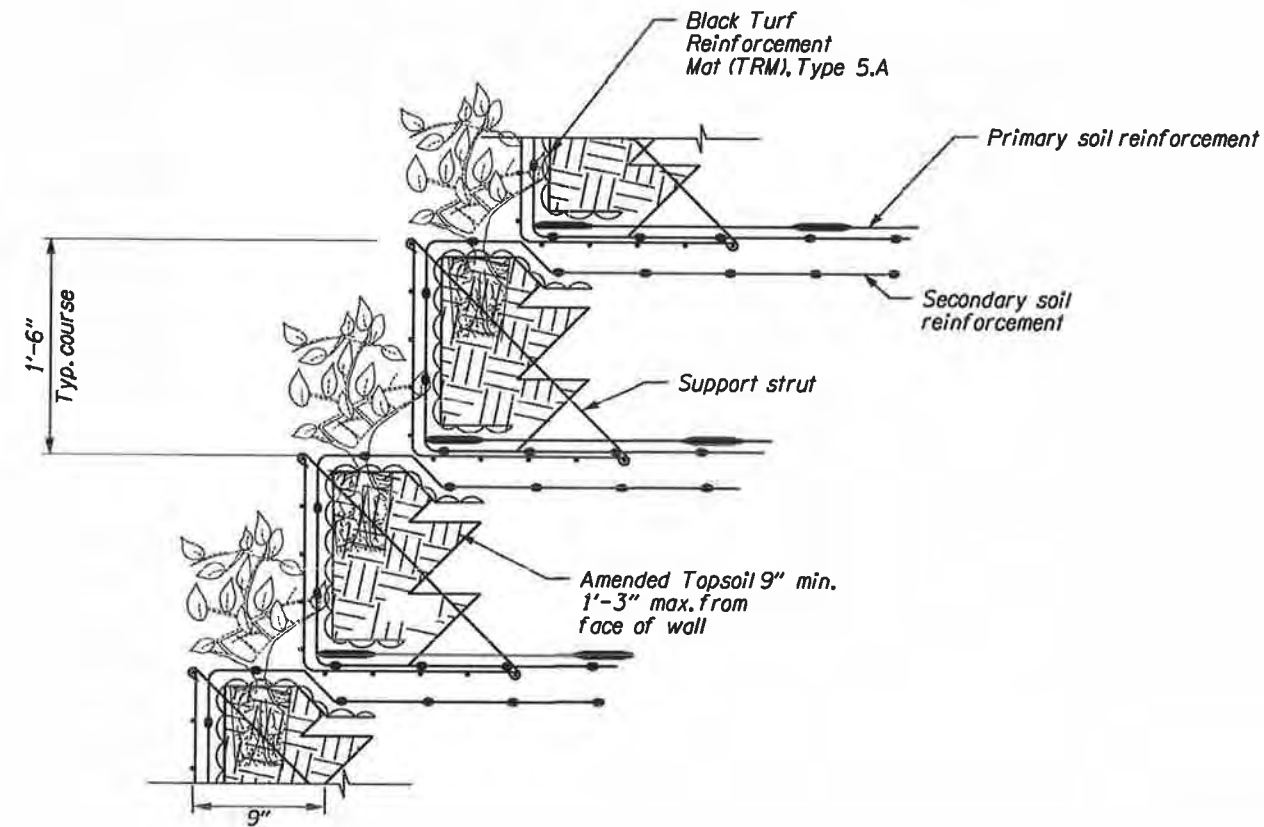


TREE STAKING DETAIL

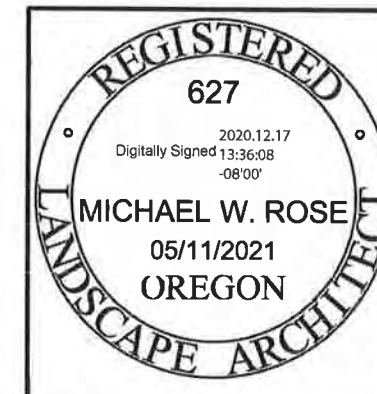
(All Forms Except Bareroot)





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	STRUCTURE NAME CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)	
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		
Designer: M STEWART/J ROSZEL	Reviewer: M ROSE	
Drafter: ALTA STAFF	Checker: M ROSE	
PLANTING PLAN DETAILS		SHEET NO. FA10



REINFORCED SOIL SLOPE
PLANTING DETAIL



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	STRUCTURE NAME CEDAR CREEK/TONQUIN TRAIL: OR99W - SW PINE ST (SHERWOOD)	
PACIFIC HIGHWAY WEST WASHINGTON COUNTY		
Designer: M STEWART/ J ROSZEL Drafter: ALTA STAFF	Reviewer: M ROSE Checker: M ROSE	SHEET NO. FA11
REINFORCED SOIL SLOPE WALL		