

Jefferson County
Board of Commissioners
Consent Agenda Request

To: Board of Commissioners
Mark McCauley, County Administrator

From: Monte Reinders, P.E., Public Works Director 

Agenda Date: June 23rd 2025

Subject: Turnback Agreement between Washington State Dept of Transportation and Jefferson County related to the Duckabush Estuary Restoration Project

Statement of Issue:

The intersection of Duckabush Road with Hwy 101 is being relocated slightly to the north east in order to safely accommodate a left turn lane at that intersection & as part of the estuary restoration project.

The Board is asked to review a two-part Construction & Turnback Agreement. Under the Construction Agreement Jefferson County will grant to WSDOT a temporary right of entry / temporary work area easement for a period of 72 months (the construction period) as shown in Construction Agreement Exhibit A. Upon completion of construction the Turnback Agreement details that WSDOT will release & convey the easement area back to Jefferson County. WSDOT will also convey in fee the newly constructed alignment of Duckabush Road intersecting US-101 in fee that was acquired by WSDOT for the project. Jefferson County agrees in the Turnback Agreement to convey in fee the previously existing Duckabush alignment area now not in use to WSDOT as shown in Turnback Agreement Right of Way plan.

Analysis/Strategic Goals/Pro's & Con's:

The attached Construction & Turnback Agreement(s) are WSDOT's current standardized forms for the purpose of documenting agreements related to temporary right of entry / temporary work area easements and for the state to relinquish certain rights-of-way and the local agency to accept such rights-of-way. It is in the County's interest to maintain ownership of the entire road alignment.

Fiscal Impact/Cost Benefit Analysis:

Negligible, upon transfer of the subject rights-of-way following completion of the project, the County will be responsible for future maintenance and operation of the roadway facilities within the transferred right-of-way.

Recommendation:

Department of Public Works recommends that the Board sign both the Turnback & Construction Agreement in the form attached and return to Public Works to be sent to WSDOT/USACE.

Department Contact:

Josh Thornton, Real Property Specialist, 360-385-9162.

Reviewed By:


Mark McCauley, County Administrator


Date

CONTRACT REVIEW FORM
(INSTRUCTIONS ARE ON THE NEXT PAGE)

Clear Form

FW2025-057

CONTRACT WITH: Washington State Department of Transportation

Contract No: GCC 1114 / 224-240

Contract For: US 101 Duckabush Estuary Restoration Realignment Term: 72 Months

COUNTY DEPARTMENT: Public Works

Contact Person: Josh Thornton / Eric Kuzma

Contact Phone: 360.385.9162 / 360.385.9167

Contact email: JThornton@co.jefferson.wa.us / EKuzma@co.jefferson.wa.us

AMOUNT: 0.00

Revenue: 0.00

Expenditure: 0.00

Matching Funds Required: 0.00

Sources(s) of Matching Funds N/A

Fund # N/A

Munis Org/Obj N/A

PROCESS:

- ☒ Exempt from Bid Process
- ☐ Cooperative Purchase
- ☐ Competitive Sealed Bid
- ☐ Small Works Roster
- ☐ Vendor List Bid
- ☐ RFP or RFQ
- ☐ Other: _____

APPROVAL STEPS:

STEP 1: DEPARTMENT CERTIFIES COMPLIANCE WITH JCC 3.55.080 AND CHAPTER 42.23 RCW.

CERTIFIED: ☐

N/A: ☒

Joshua E. Thornton
Signature

6/9/2025
Date

STEP 2: DEPARTMENT CERTIFIES THE PERSON PROPOSED FOR CONTRACTING WITH THE COUNTY (CONTRACTOR) HAS NOT BEEN DEBARRED BY ANY FEDERAL, STATE, OR LOCAL AGENCY.

CERTIFIED: ☐

N/A: ☒

Joshua E. Thornton
Signature

6/9/2025
Date

STEP 3: RISK MANAGEMENT REVIEW (will be added electronically through Laserfiche):

✓ Electronically approved by Risk Management on 6/11/2025.
State agreement. Cannot change.

STEP 4: PROSECUTING ATTORNEY REVIEW (will be added electronically through Laserfiche):

✓ Electronically approved as to form by PAO on 6/17/2025.
State agreement with temporary easement and right of way during construction.

STEP 5: DEPARTMENT MAKES REVISIONS & RESUBMITS TO RISK MANAGEMENT AND PROSECUTING ATTORNEY(IF REQUIRED).

STEP 6: CONTRACTOR SIGNS

STEP 7: SUBMIT TO BOCC FOR APPROVAL



Construction Agreement

Construction by WSDOT on State Highway
Right of Way at WSDOT Expense

Public Agency Jefferson County

Contact Name Eric Kuzma

Title Asst. Public Works Director / Eng. Services Manager

Address

623 Sheridan Street

Port Townsend, WA 98368

Phone 360.385.9167 – 360.301.6783 (c)

Email EKuzma@co.jefferson.wa.us

Agreement Number

GCC 1114

Project Title US 101 Duckabush Estuary Restoration Realignment

State Route Number
101

Mile Post
309.65

Control Section

Description of Improvements

Exhibits Attached

Exhibit A: Easement Plan & Legal

Description

Exhibit B: Plan Sheets

Exhibit C: Turnback Agreement

Construction of improvements at the intersection of US101 and Duckabush Road, including the realignment of Duckabush Road.

This Agreement is between the Washington State Department of Transportation (WSDOT) and the above-named governmental entity (Agency), hereinafter referred to individually as the "Party" and collectively as the "Parties."

Recitals

1. The U.S. Army Corps of Engineers ("USACE") is funding (with 35% matching funds from the Washington Department of Fish and Wildlife and WSDOT) and constructing a project on US101, a state highway, that will replace the existing highway bridge across the Duckabush River Estuary, referred to as the "Duckabush Estuary Restoration Project" (hereinafter the Project). The Project requires realignment of Duckabush Road, a county road, at the intersection of US101, hereinafter referred to as "Improvements." WSDOT is entering into this agreement with the Agency for real property interests needed in support of the Project.
2. The Agency is willing to authorize USACE to construct the Improvements with WSDOT support subject to the terms and conditions of this Agreement.
3. WSDOT is prohibited from paying for the costs of mitigating utilities without a real property right under chapter 47.44 RCW

Now therefore, pursuant to RCW 47.28.140, the above recitals, which are incorporated herein as if set forth below, and in consideration of the terms, conditions, covenants, and performances contained herein, and in the Exhibits attached hereto and hereby made a part of this Agreement, it is mutually agreed as follows:

1.0 Purpose of Agreement

WSDOT provided the Agency with its Plans and Specifications for the proposed Improvements. The Agency has reviewed and agreed with the plans and specifications, unless otherwise modified pursuant to the terms of this Agreement. WSDOT agrees to and shall construct, operate and/or maintain the Improvements in accordance with the terms of this Agreement.

2.0 Right of Entry

2.1 WSDOT

WSDOT hereby grants to the Agency, its employees, authorized agents, contractors, and subcontractors, a right of entry upon all WSDOT-owned property necessary for the Agency's review of construction of the Improvements.

2.2 Agency

The Agency hereby grants to WSDOT, USACE, their authorized agents, contractors, subcontractors, and employees, a right of entry upon state-owned highway right of way onto which access is necessary to construct the Improvements.

3.0 Temporary Work Area Easement

3.1 Temporary Work Area Easement

The Agency hereby grants to WSDOT a temporary easement and right of way in, on, over and across the land described in Exhibit A for a period of 72 months, beginning with date when construction begins for the project, possession of the land is granted by the Agency to WSDOT for use by the United States, its representatives, agents, and contractors as a work area, including the right to deposit fill thereon, move, store, and remove equipment and supplies, and erect and remove temporary structures on the land and to perform any other work necessary and incident to the construction of the Puget Sound Nearshore Ecosystem Restoration Project, together with the right to trim, cut, fell and remove therefrom all trees, underbrush, obstructions and any other vegetation, structures, or obstacles within the limits of the right-of way; reserving, however, to the landowners, their heirs and assigns, all such rights and privileges as may be used without interfering with or abridging the rights and easement hereby acquired; subject however, to existing easements for public roads and highways, public utilities, railroads and pipelines.

4.0 Construction

4.1 Documents on Site

Copies of this Agreement shall be kept at the USACE project office and by USACE or its contractor at the construction site. USACE will be responsible for construction administration on behalf of WSDOT for the Project.

4.2 Pre-Construction Conference

Prior to the beginning of construction, a preconstruction conference shall be held at which WSDOT, the Agency, USACE, and USACE's contractor (if applicable) shall be present. WSDOT shall give a minimum of ten (10) working days notice to the Agency's representative prior to holding the pre-construction conference. Working days for this Agreement are defined as Monday through Friday, excluding Washington State furlough days or state holidays pursuant to RCW 1.16.050.

4.3 Construction of Improvements

4.3.1 USACE shall construct the Improvements as shown on the attached Exhibit B at USACE, WSDOT and WDFW's sole cost and expense. The Agency shall not be required to contribute to the construction of the Improvements.

4.3.2 All material and workmanship shall conform to USACE's Specifications for the Duckabush Ecosystem Restoration, Washington State Department of Transportation's Standard Specifications for Road, Bridge, and Municipal Construction, current edition, and amendments thereto (Modified Standard Specifications), and shall be subject to WSDOT inspection.

4.4 Support of Work

WSDOT shall support construction of the Improvements by USACE, its contractor, subcontractor, agent, and others, and approve those improvements on behalf of WSDOT.

4.5 Required Permits

USACE shall obtain on WSDOT's behalf all necessary Federal, State, and Local Permits including, but not limited to, permits required by the Washington State Department of Ecology, the Washington State Department of Fish and Wildlife, U.S. Army Corps of Engineers, and the National Environmental Policy Act (NEPA) prior to beginning construction.

5.0 Indemnification

5.1 To the fullest extent permitted by law, each Party to this Agreement will protect, defend, indemnify, indemnify, and save harmless the other Party, its officers, officials, employees, and agents, while acting within the scope of their employment as such, from any and all costs, claims, judgments, and/or awards of damages (both to persons and property), arising out of, or in any way resulting from, each Party's negligent acts or omissions with respect to the provisions of this Agreement. Neither Party will be required to indemnify, defend, or save harmless the other Party if the claim, suit, or action for injuries, death, or damages (both to persons and property) is caused by the sole negligence of the other Party. Where such claims, suits, or actions result from the concurrent negligence of the Parties, their agents, officials, or employees, and/or involve those actions covered by RCW 4.24.115, the indemnity provisions provided herein will be valid and enforceable only to the extent of the negligence of the

indemnifying Party, its agents, officials, or employees.

5.2 The Parties agree that their obligations under this section extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of their officers, officials, employees, or agents. For this purpose only, the Parties, by mutual negotiation, hereby waive, with respect to each other only, any immunity that would otherwise be available against such claims under the Industrial Insurance provisions of Title 51 RCW.

5.3 This indemnification and waiver will survive the termination of this Agreement.

Acquisition of Right-of-Way and Exchange of Real Property. WSDOT will acquire the right-of-way necessary for the realignment of Duckabush County Road at no cost to the Agency. Prior to completion of the Improvements, WSDOT and the Agency will enter into a Turnback Agreement providing for the exchange of real property as shown in Exhibit C.

6.0 Payment

6.1 This is a non-financial Agreement. In no event shall either Party seek compensation for work performed under this Agreement.

7.0 Miscellaneous Terms

7.1 Assignment of Agreement

No assignment or transfer of this Agreement in any manner whatsoever shall be valid, nor vest any rights hereby granted, until WSDOT consents thereto in advance and in writing, and the assignee accepts all terms of this Agreement.

7.2 Records Retention and Audit

All records related to this Agreement shall be held and kept available for inspection and audit for a period of six (6) years from the date of termination of this Agreement or any final payment authorized under this Agreement, whichever is later. Each Party shall have full access to and right to examine said records, during normal business hours and as often as deemed necessary. In the event of litigation or claim arising from the performance of this Agreement, the Parties agree to maintain the records and accounts until such litigation, appeal or claims are finally resolved. This section shall survive the termination of this Agreement.

7.3 Modification

This Agreement may be amended or modified only by the mutual agreement of the Parties. Such amendments or modifications shall not be binding unless they are agreed to in advance and in writing and signed by persons authorized to bind each of the Parties.

7.4 Disputes

In the event that a dispute arises under this Agreement, it shall be resolved as follows: WSDOT and the Agency shall each appoint a member to a Dispute Board, these two members shall select a third board member not affiliated with either Party. The three-member board shall conduct a dispute resolution hearing that shall be informal and unrecorded. An attempt at such dispute resolution in compliance with aforesaid process shall be a prerequisite to the filing of any litigation concerning the dispute. The Parties shall equally share in the cost of the third Dispute Board member; however, each Party shall be responsible for its own costs and fees.

7.5 Venue and Attorney's Fees

In the event that either Party to this Agreement deems it necessary to institute legal action or proceedings to enforce any right or obligation under this Agreement upon completion of the dispute resolution process set forth in Section 7.4 above, the Parties hereto agree that any such action or proceedings shall be brought in Thurston County, Washington Superior Court. Further, the Parties agree that each will be solely responsible for payment of its own attorney's fees, witness fees, and costs.

7.6 Independent Contractor

The Agency shall be deemed an independent contractor for all purposes under this Agreement, and the employees of the Agency or any of its contractors, subcontractors, consultants, and the employees thereof, shall not in any manner be deemed to be employees or agents of WSDOT.

7.7 Termination of Agreement

WSDOT may terminate this agreement in whole or in part, without penalty or further liability in the event of the following:

a) Termination for Cause

If for any cause either Party does not fulfill in a timely and proper manner its obligations under this Agreement, or if either Party violates any of these terms and conditions, the aggrieved Party will give the other Party written notice of such failure or violation. The responsible Party will be given the opportunity to correct the violation or failure within fifteen (15) working days. If the failure or violation is not corrected, this Agreement may be terminated immediately by written notice of the aggrieved Party to the other.

b) Termination for Withdrawal of Authority

In the event that either Party's authority to perform any of its duties is withdrawn, reduced, or limited in any way, or if funding is withdrawn after the commencement of this Agreement, either Party may terminate this Agreement by seven (7) calendar days written notice. No penalty shall accrue to the terminating Party in the event this section shall be exercised.

Any termination of this Agreement shall not prejudice any rights or obligations accrued to the Parties prior to termination.

7.8 Counterpart and Electronic Signature

This Agreement may be signed in multiple counterparts, each of which constitutes an original and all of which taken together constitute one and same agreement. Electronic signatures or signatures transmitted via e-mail in a "PDF" may be used in place of original signatures on this Agreement. The Parties intend to be bound by its electronic or "PDF" signature on this Agreement, are aware that the other Parties are relying on its electronic or "PDF" signature and waives any defenses to the enforcement of this Agreement based upon the form of signature.

In Witness Whereof, the parties hereto have executed this Agreement as of the Party's date last signed below.

Jefferson County	Washington State Department of Transportation
By:	By:
Printed:	Printed:
Title:	Title:
Date:	Date:
Approved as to Form Jefferson County	Approved as to Form Washington State Department of Transportation
By:	By:
Printed:	Printed:
Title:	Title:
Date:	Date:

Approved as to form only:

 for 06/17/2025
Philip C. Hunsucker, Date
Chief Civil Deputy Prosecuting Attorney

SECT. 16 T.25N. R.2W. W.M.

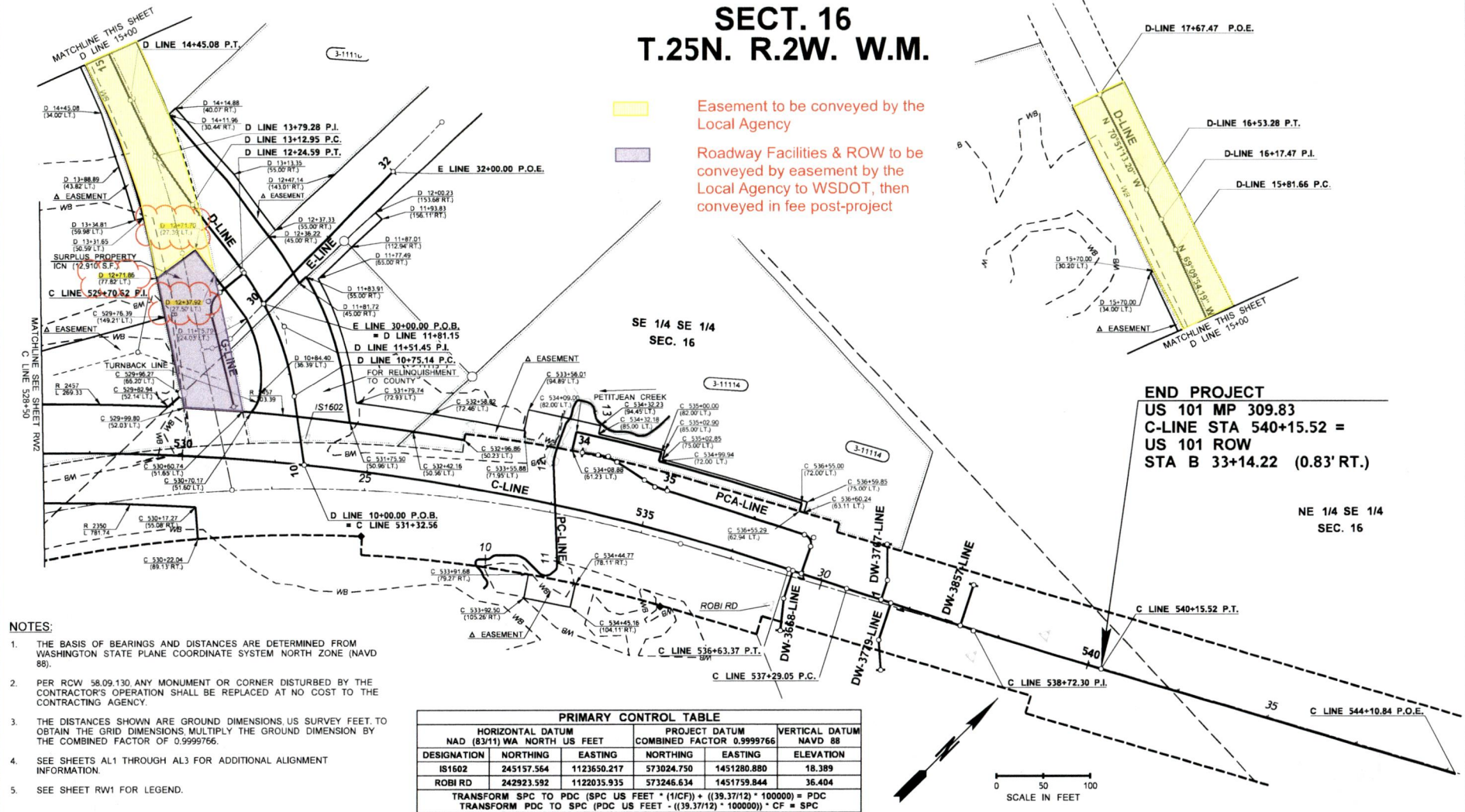
Easement to be conveyed by the
Local Agency

Roadway Facilities & ROW to be
conveyed by easement by the
Local Agency to WSDOT, then
conveyed in fee post-project

END PROJECT

US 101 MP 309.83
C-LINE STA 540+15.52 =
US 101 ROW
STA B 33+14.22 (0.83' RT.)

NE 1/4 SE 1/4
SEC. 16



NOTES:

1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAVD 88).
2. PER RCW 58.09.130 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.
3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN THE GRID DIMENSIONS MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.9999766.
4. SEE SHEETS AL1 THROUGH AL3 FOR ADDITIONAL ALIGNMENT INFORMATION.
5. SEE SHEET RW1 FOR LEGEND.

PRIMARY CONTROL TABLE					
HORIZONTAL DATUM NAD (83/11) WA NORTH US FEET			PROJECT DATUM COMBINED FACTOR 0.9999766		VERTICAL DATUM NAVD 88
DESIGNATION	NORTHING	EASTING	NORTHING	EASTING	ELEVATION
IS1602	245157.564	1123650.217	573024.750	1451280.880	18.389
ROBI RD	242923.592	1122035.935	573246.634	1451759.844	36.404

$\text{TRANSFORM SPC TO PDC (SPC US FEET * (1/CF)) + ((39.37/12) * 100000) = PDC}$
 $\text{TRANSFORM PDC TO SPC (PDC US FEET - ((39.37/12) * 100000)) * CF = SPC}$

FILE NAME: c:\users\delacraipw_wsdot\071585\XL6092_PS_RW3.dgn		REGION: 10 WASH		FED.AID PROJ.NO.		Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO RW3
TIME: 11:00:03 AM	DATE: 3/4/2025	JOB NUMBER: 22C532		LOCATION NO: XL6092				RIGHT OF WAY PLAN		
PLOTTED BY: delaCra	DESIGNED BY: M. TUFF	CONTRACT NO.	DATE	P.E. STAMP BOX	DATE					BHEET
ENTERED BY: M. FUJIMURA	CHECKED BY: A. DE LA CRUZ									OF
PROJ. ENGR: G. AMUNDSEN BARNKOW	REGIONAL ADM: S. ROARK									SHEETS
REVISION	DATE	BY								

Easement to be conveyed from Local Agency, then turned back with improvements post-project
(Yellow Area in attached exhibit)

All that portion of the hereinafter described Parcel 'A' lying Westerly and Southerly of a line beginning at a point opposite Highway Engineer's Station (hereinafter referred to as HES) D 12+71.86 on the D line survey of SR 101 DUCKABUSH ESTUARY RESTORATION and 66.72 feet and 77.82 feet Southerly therefrom; thence Northerly along said line survey to a point opposite HES D 12+71.70 and 27.39 feet Southerly therefrom; thence Easterly along said line survey to a point opposite HES D 12+38.92 and 27.50 feet Southerly therefrom; thence Northwesterly along said line survey to a point opposite HES D 14+11.96 and 30.44 feet Northerly therefrom; thence Northwesterly parallel with said line survey to a point opposite HES 18+00 and the end of said line description.

Duckabush Surplus Area (Purple in Exhibit Map) Legal Description

All that portion of the hereinafter described Parcel "A" lying within the following described tract beginning at a point opposite Highway Engineer's Station (hereinafter referred to as HES) C 529+99.80 on the US 101 line survey of US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT and 52.03 feet LT. Northwesterly therefrom; thence Northeasterly along said line survey to a point opposite HES C 530+60.74 and 51.65 feet LT. Northwesterly therefrom; thence Northwesterly to a point opposite HES D 12+37.92 on said line survey and 27.50 feet LT. Southerly therefrom; thence Westerly along said line survey to a point opposite HES D 12+71.70 and 27.39 feet LT. Southerly therefrom; thence Southerly along said line survey to a point opposite HES D 12+71.86 and 77.82 feet LT. Southerly therefrom; thence Southwesterly along said line survey to the point of beginning.

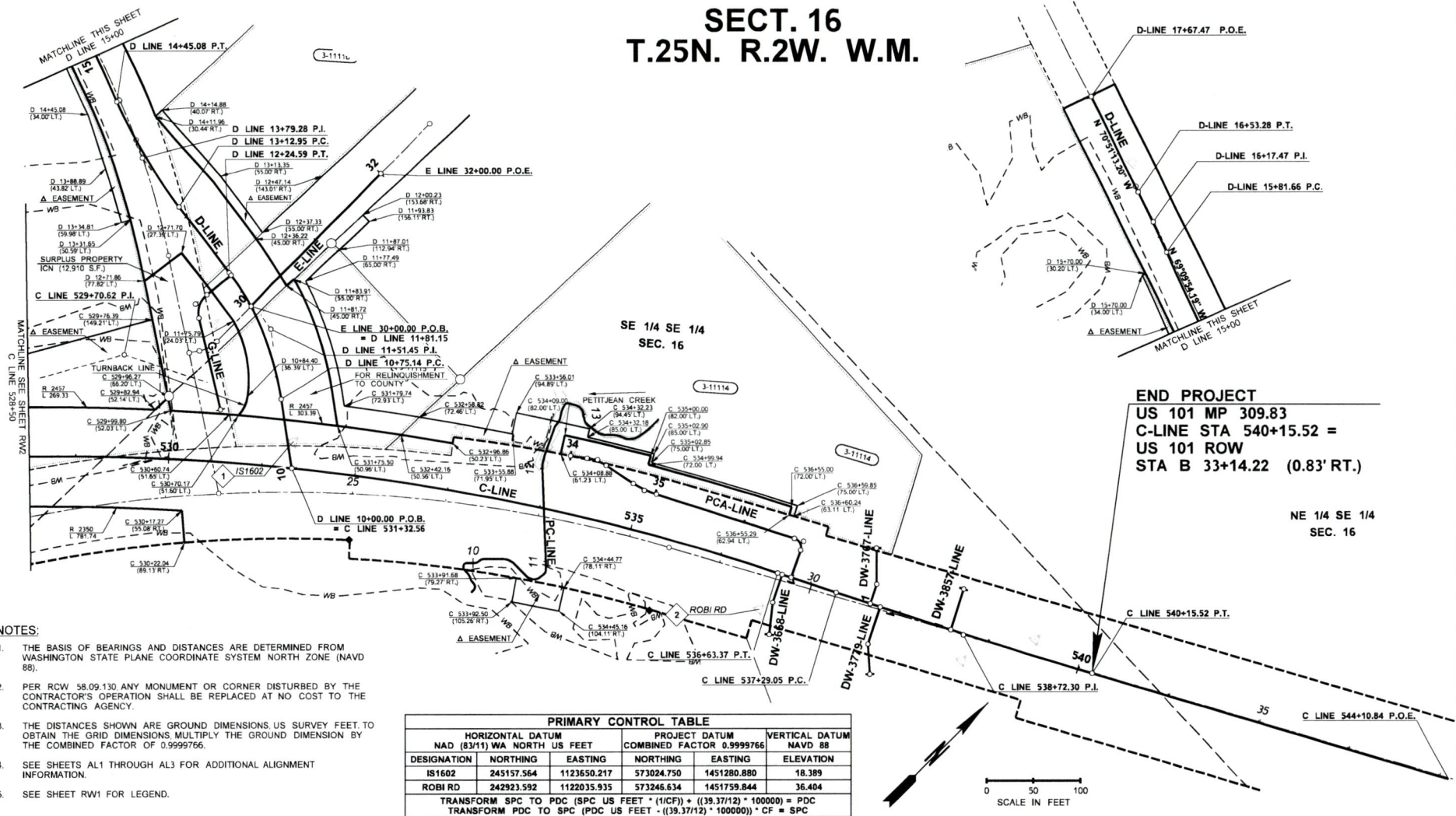
Parcel "A"

The following described property acquired by instruments recorded July 20, 1933, under A.F. Nos. 70659 & 70658, respectively:

A strip of land 70 feet wide in Section 16, Township 25 North, Range 2 West, W.M., being 40 feet on the Southerly side and 30 feet on the Northerly side of a center line Westerly from the Engineers Survey Station 23+55, extended.

Also, a strip of land 70 feet wide in Section 16, Township 25 North, Range 2 West, W.M., being 30 feet wide on the Northerly side and 40 feet wide on the Southerly side of a center line extending from the Westerly right of way line of said road at Engineers Station 23+55 to the West line of the Southeast quarter of the Southeast quarter in said section.

SECT. 16 T.25N. R.2W. W.M.



END PROJECT
US 101 MP 309.83
C-LINE STA 540+15.52 =
US 101 ROW
STA B 33+14.22 (0.83' RT.)

NE 1/4 SE 1/4
SEC. 16

NOTES:

1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAVD 88).
2. PER RCW 58.09.130 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.
3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN THE GRID DIMENSIONS MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.9999766.
4. SEE SHEETS AL1 THROUGH AL3 FOR ADDITIONAL ALIGNMENT INFORMATION.
5. SEE SHEET RW1 FOR LEGEND.

PRIMARY CONTROL TABLE					
HORIZONTAL DATUM NAD (83/11) WA NORTH US FEET			PROJECT DATUM COMBINED FACTOR 0.9999766		
DESIGNATION	NORTHING	EASTING	NORTHING	EASTING	VERTICAL DATUM NAVD 88 ELEVATION
IS1602	245157.564	1123650.217	573024.750	1451280.880	18.389
ROBI RD	242923.592	1122035.935	573246.634	1451759.844	36.404

TRANSFORM SPC TO PDC (SPC US FEET * (1/CF)) + ((39.37/12) * 100000) = PDC
TRANSFORM PDC TO SPC (PDC US FEET - ((39.37/12) * 100000)) * CF = SPC

FILE NAME c:\pw_wsd\032709\XL6092_PS_RW3.dgn
TIME 1:11:43 PM
DATE 5/19/2025
PLOTTER BY fujiwara
DESIGNED BY M. TUFF
ENTERED BY M. FUJIWARA
CHECKED BY A. DE LA CRUZ
PROJ. ENGR. G. AMUNDSEN BARNKOW
REGIONAL ADM. S. ROARK

REVISION

DATE BY

REGION NO. 10
STATE WASH
FED. AID PROJ. NO. 22C532

CONTRACT NO.
LOCATION NO. XL6092

P.E. STAMP BOX

P.E. STAMP BOX



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT
RIGHT OF WAY PLAN

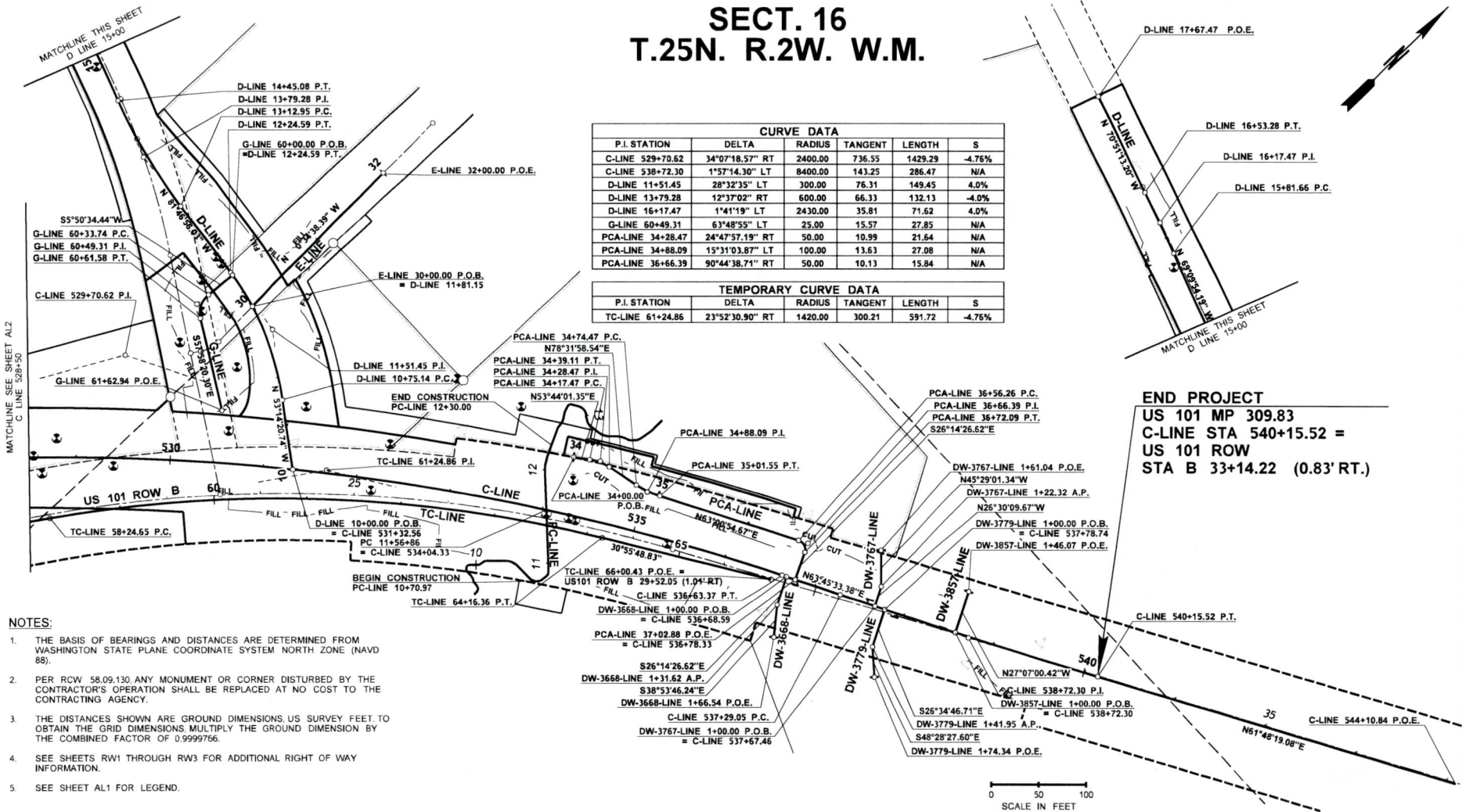
PLAN REF NO. RW3
SHEET OF SHEETS

SECT. 16 T.25N. R.2W. W.M.

CURVE DATA						
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S	
C-LINE 529+70.62	34°07'18.57" RT	2400.00	736.55	1429.29	-4.76%	
C-LINE 538+72.30	1°57'14.30" LT	8400.00	143.25	286.47	N/A	
D-LINE 11+51.45	28°32'35" LT	300.00	76.31	149.45	4.0%	
D-LINE 13+79.28	12°37'02" RT	600.00	66.33	132.13	-4.0%	
D-LINE 16+17.47	1°41'19" LT	2430.00	35.81	71.62	4.0%	
G-LINE 60+49.31	63°48'55" LT	25.00	15.57	27.85	N/A	
PCA-LINE 34+28.47	24°47'57.19" RT	50.00	10.99	21.64	N/A	
PCA-LINE 34+88.09	15°31'03.87" LT	100.00	13.63	27.08	N/A	
PCA-LINE 36+66.39	90°44'38.71" RT	50.00	10.13	15.84	N/A	

TEMPORARY CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
TC-LINE 61+24.86	23°52'30.90" RT	1420.00	300.21	591.72	-4.76%

END PROJECT
US 101 MP 309.83
C-LINE STA 540+15.52 =
US 101 ROW
STA B 33+14.22 (0.83' RT.)



NOTES:

1. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAVD 88).
2. PER RCW 58.09.130 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.
3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS US SURVEY FEET TO OBTAIN THE GRID DIMENSIONS MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.9999756.
4. SEE SHEETS RW1 THROUGH RW3 FOR ADDITIONAL RIGHT OF WAY INFORMATION.
5. SEE SHEET AL1 FOR LEGEND.

FILE NAME c:\pw_wsdot\0382709\XL6092_PS_AL3.dgn

TIME 1:09:37 PM
DATE 3/19/2025
PLOTTED BY fujiharam
DESIGNED BY M. TUFF
ENTERED BY M. FUJIWARA
CHECKED BY A. DE LA CRUZ
PROJ. ENGR. G. AMUNDSEN BARNKOW
REGIONAL ADM. S. ROARK

REVISION

DATE

BY

REGION NO. 10
STATE WASH
CONTRACT NO. 22C532

FED.AID PROJ.NO.

LOCATION NO.
XL6092

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT
ALIGNMENT PLAN

PLAN REF NO
AL3
SHEET
OF
SHEETS

\\washington.wednet.edu\proj\101399.08 DuckabushEstuaryRestoration\Design CAD Sheets\SS-Roadway Sections\XL6092_PS_RS8.dgn

CONSTRUCTION NOTES

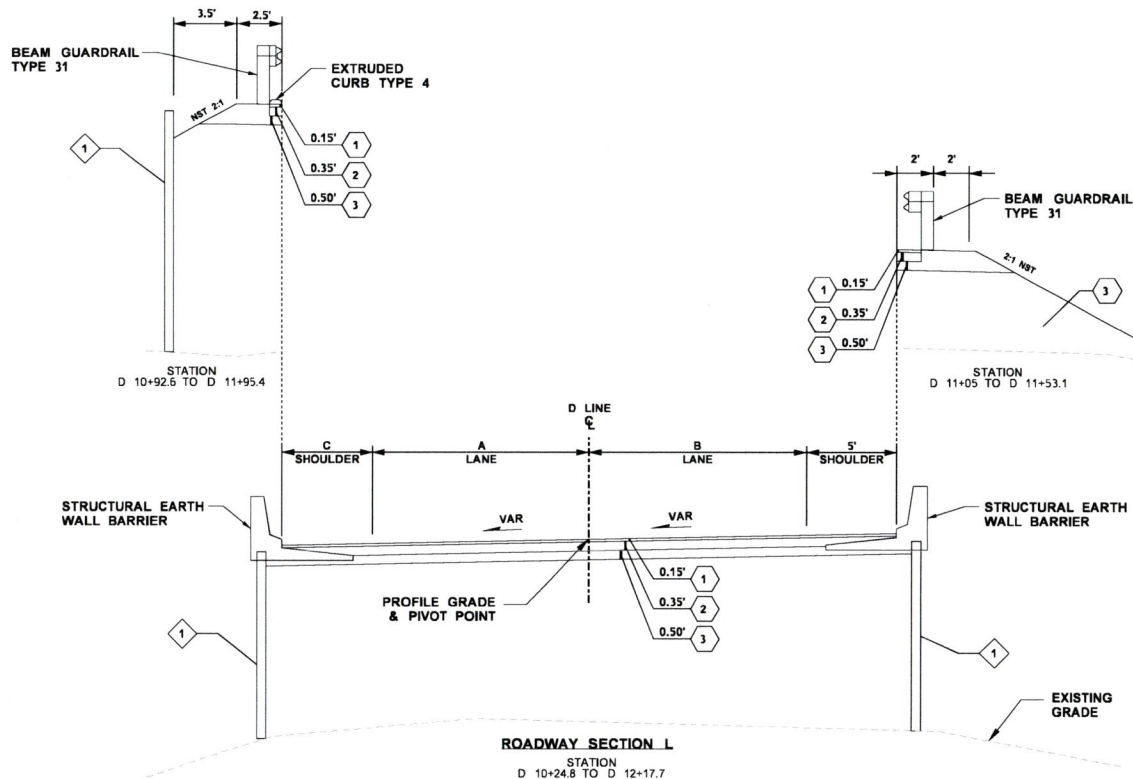
- 1 SEE WALL SHEETS ST1 TO ST13 FOR WALL LIMITS AND CONSTRUCTION DETAILS
- 2 SEE MINOR STRUCTURES SHEET ST14 AND WSDOT STANDARD PLAN E-20.10-00 FOR CULVERT DIMENSIONS
- 3 SEE BRIDGE SHEETS BA1-BA117 AND BB1-BB46 FOR STRUCTURE LIMITS AND CONSTRUCTION DETAILS
- 4 SEE PAVING SHEETS PV1-PV3 FOR VARIABLE WIDTHS
- 5 SEE SHEET RS14 FOR VARIABLE SLOPES

LEGEND

- 1 HMA CL 1/2" PG 58H-22 FINAL LIFT
- 2 HMA CL 1/2" PG 58H-22
- 3 CRUSHED SURFACING BASE COURSE
- 4 PLANING BITUMINOUS PAVEMENT
- 5 SELECT BORROW INCL HAUL

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.
2. ALL SURFACING AND PAVING DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS. INDIVIDUAL LAYERS SHALL NOT EXCEED MAXIMUM NOMINAL COMPACTED DEPTHS DEFINED IN THE WSDOT STANDARD SPECIFICATIONS.
3. NST: NOT STEEPER THAN
4. VAR: VARIES
5. MFD: MEDIA FILTER DRAIN. SEE DRAINAGE SHEET DD4 FOR MORE DETAILS
6. SEE WSDOT STANDARD PLANS A-50.10 FOR WIDENING AT GUARDRAIL TRANSITION SECTIONS AND C-22.40 FOR EMBANKMENT WIDENING AT GUARDRAIL END TREATMENTS.
7. CONSTRUCT WITH UP TO 0.35' LIFTS OF CSBC AT A TIME.



FILE NAME c:\pw_wsdofid\0382711\XL6092_PS_RS8.dgn		REGION STATE 10 WASH		FED.AID PROJ.NO.		Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO RS8	
TIME 12:39:04 PM	DATE 5/19/2025	JOB NUMBER 22C532		LOCATION NO. XL6092							
DESIGNED BY fujiwara		CONTRACT NO.		DATE		DATE		SHEET		OF	
ENTERED BY M. FUJIWARA								ROADWAY SECTIONS		SHEETS	
CHECKED BY A. DE LA CRUZ											
PROJ. ENGR. G. AMUNDSEN BARNKOW											
REGIONAL ADM. S. ROARK											

\\p01projectstore.wednet.wa.gov\WSDOT\Documents\Olympic\1308\1308.08_Duckabush\EstuaryRestoration\Drawings\Roadway\Section M\6092_PS_RS9.dgn

CONSTRUCTION NOTES

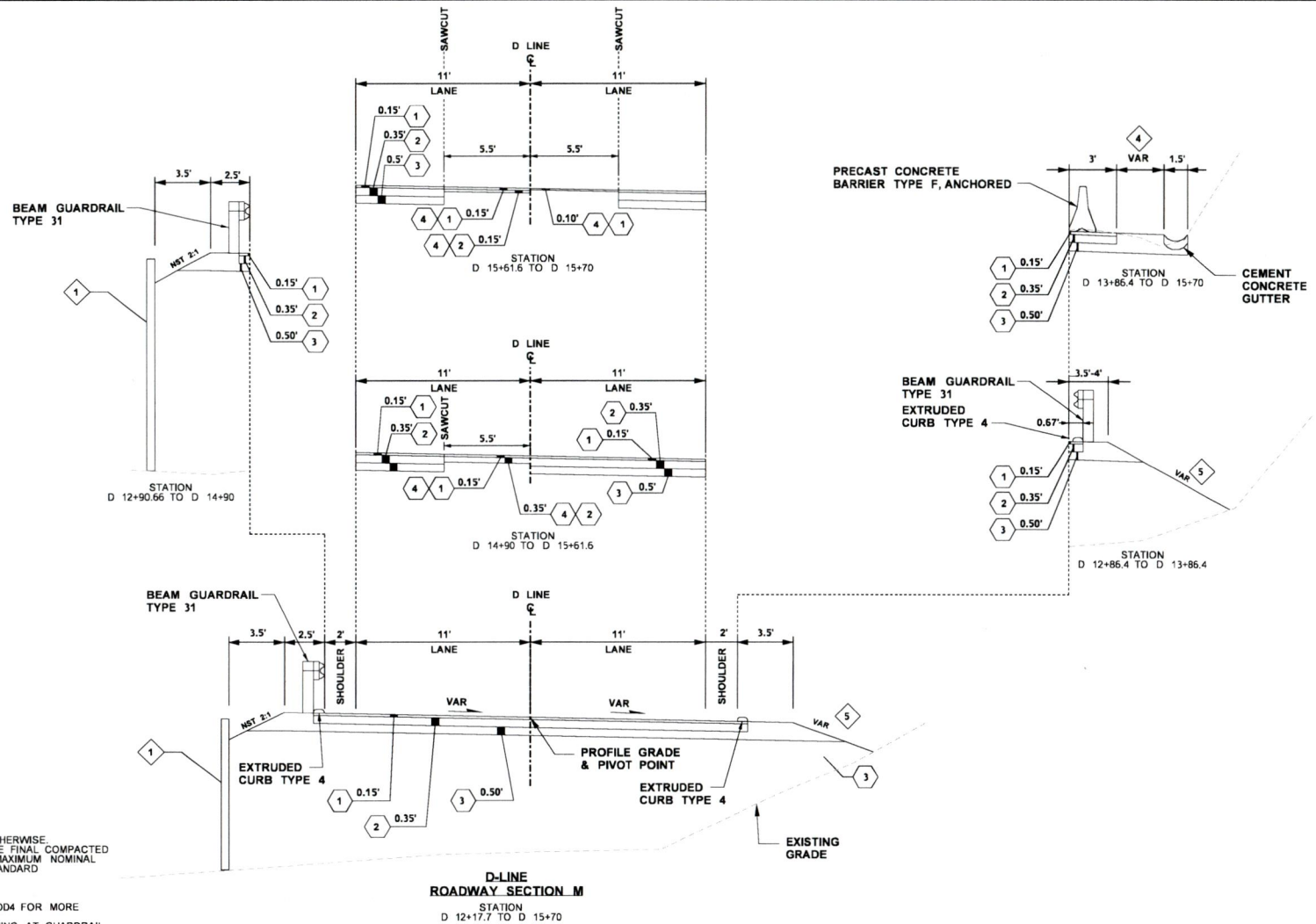
- 1 SEE WALL SHEETS ST1 TO ST13 FOR WALL LIMITS AND CONSTRUCTION DETAILS
- 2 SEE MINOR STRUCTURES SHEET ST14 AND WSDOT STANDARD PLAN E-20.10-00 FOR CULVERT DIMENSIONS
- 3 SEE BRIDGE SHEETS BA1-BA117 AND B81-B846 FOR STRUCTURE LIMITS AND CONSTRUCTION DETAILS
- 4 SEE PAVING SHEETS PV1-PV3 FOR VARIABLE WIDTHS
- 5 SEE SHEET RS14 FOR VARIABLE SLOPES

LEGEND

- 1 HMA
CL 1/2" PG 58H-22 FINAL LIFT
- 2 HMA
CL 1/2" PG 58H-22
- 3 CRUSHED SURFACING BASE COURSE
- 4 PLANING BITUMINOUS PAVEMENT
- 5 SELECT BORROW INCL. HAUL

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.
2. ALL SURFACING AND PAVING DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS. INDIVIDUAL LAYERS SHALL NOT EXCEED MAXIMUM NOMINAL COMPACTED DEPTHS DEFINED IN THE WSDOT STANDARD SPECIFICATIONS.
3. NST: NOT STEEPER THAN
4. VAR: VARIES
5. MFD: MEDIA FILTER DRAIN. SEE DRAINAGE SHEET DD4 FOR MORE DETAILS.
6. SEE WSDOT STANDARD PLANS A-50.10 FOR WIDENING AT GUARDRAIL TRANSITION SECTIONS AND C-22.40 FOR EMBANKMENT WIDENING AT GUARDRAIL END TREATMENTS.
7. CONSTRUCT WITH UP TO 0.35' LIFTS OF CSBC AT A TIME.



FILE NAME c:\pw_wsdot\0382711\XL6092_PS_RS9.dgn

TIME 12:40:00 PM

DATE 2/19/2025

PLOTTED BY fujiharam

DESIGNED BY M. TUFF

ENTERED BY M. FUJIWARA

CHECKED BY A. DE LA CRUZ

PROJ. ENGR. G. AMUNDSEN BARNKOW

REGIONAL ADM. S. ROARK

REVISION

DATE

BY

REGION STATE

10 WASH

22C532

CONTRACT NO.

22C532

LOCATION NO.

XL6092

FED.AID PROJ.NO.

22C532

CONTRACT NO.

22C532

LOCATION NO.

XL6092

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

ROADWAY SECTIONS

PLAN REF NO

RS9

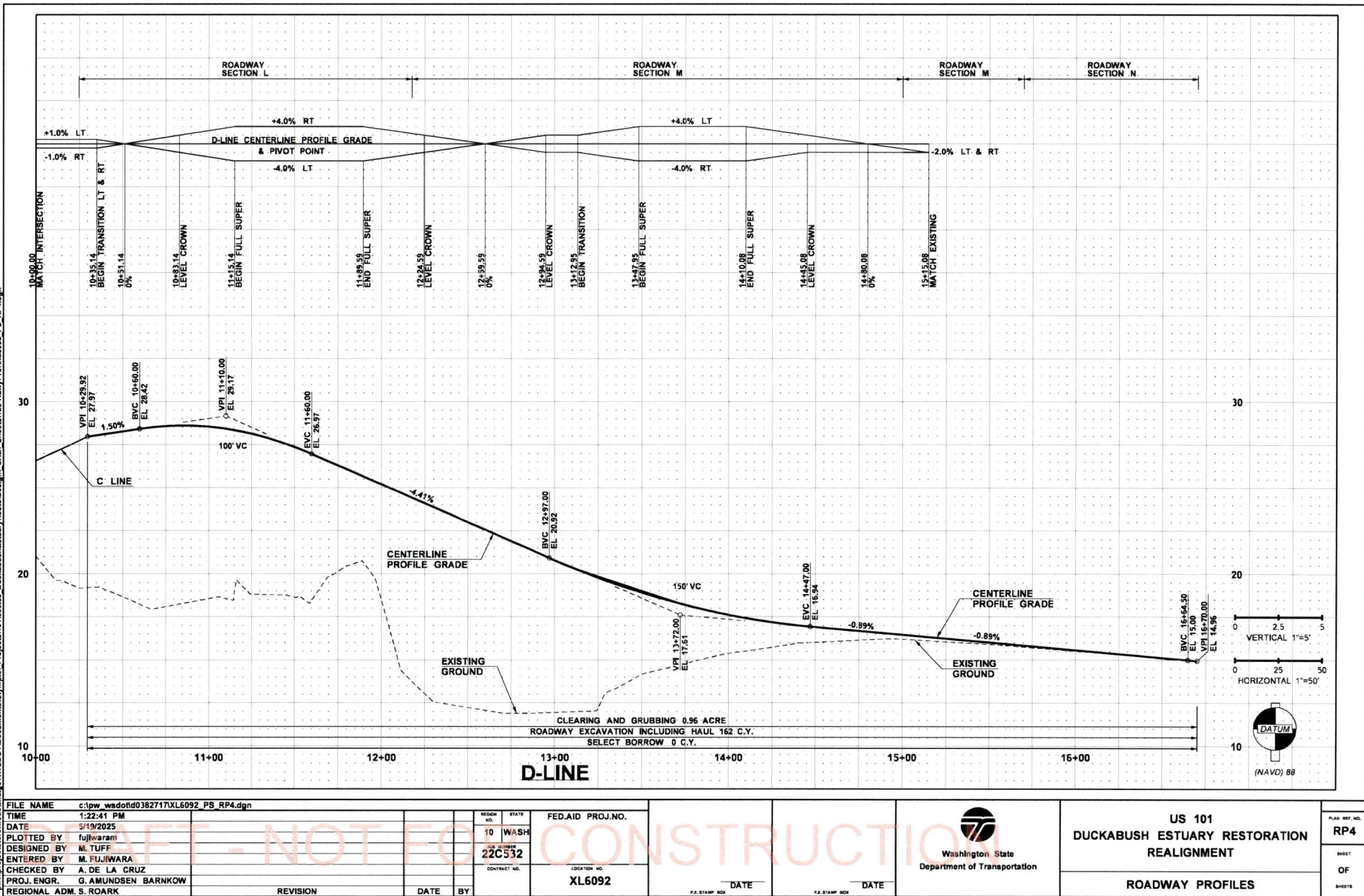
SHEET

OF

SHEETS

of

\\p:\projectors\wsd\es\gov\WSDOT\Documents\Olympic\Project\101009.08 DuckabushEstuaryRestoDesign\CAD\Sheets\125-Edw\Profile\XL6092_PS_RP4.dgn

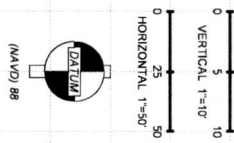


now:\\projects\\store.wa.gov\\WSDOT\\Documents\\Olympic\\Projects\\1011309.88_DuckabushEstuaryResto\\Design\\CAD\\Sheets\\170-Drainage\\XL5092_PS_DR3.dgn

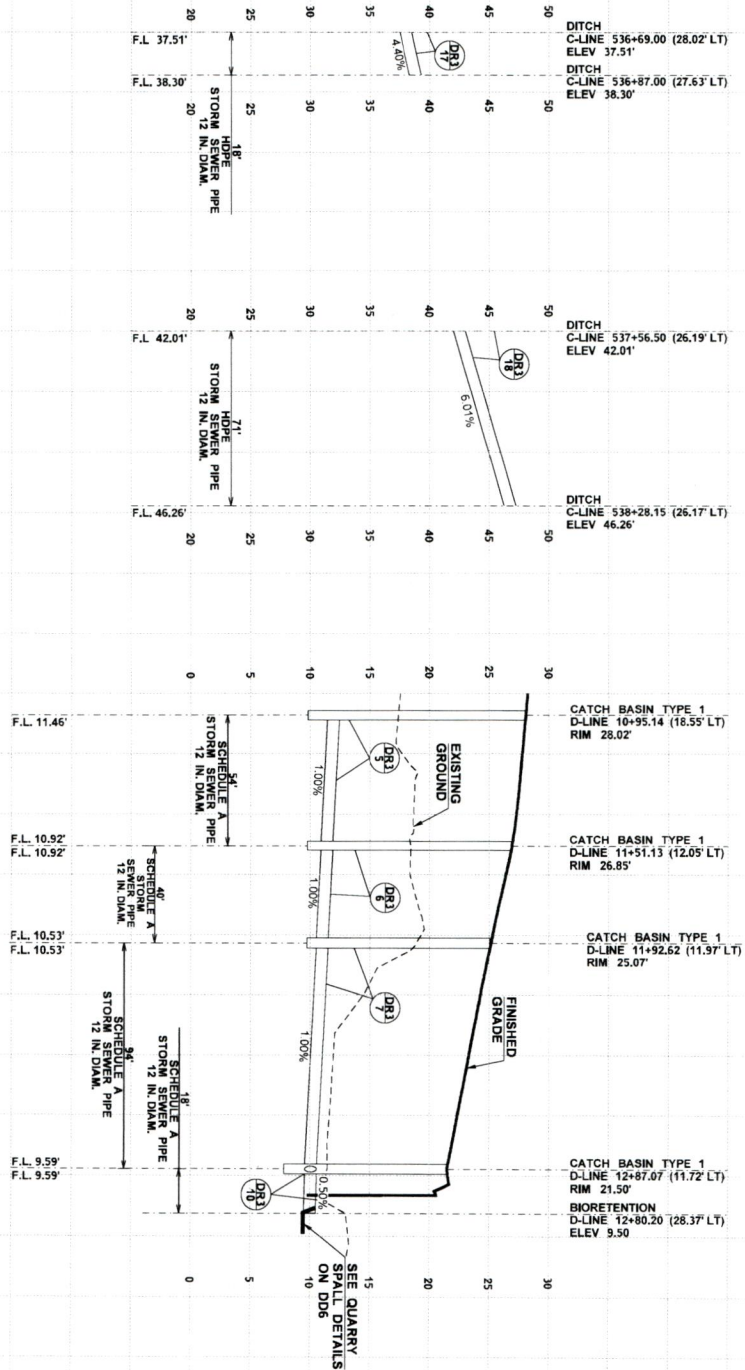


1. SEE DD1 - DD5 FOR DETAILS ON THE COMPOST AMENDED BIOFILTRATION SWALE AND THE BIORETENTION FACILITIES.
2. SEE SHEET DR1 FOR LEGEND.
3. SEE SHEET BA102-BA106 FOR BRIDGE DECK DRAINS.
4. SEE SHEET D06 FOR DETAILS ON ENERGY DISSIPATOR AND DITCHES.
5. SEE SHEET RS9-RS10 FOR CONCRETE GUTTER.

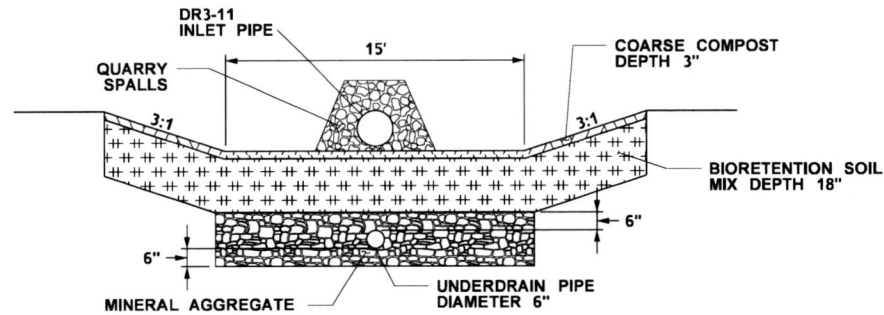
FILE NAME c3pw_wsdofhd032719XL6092_PS_DR3.dgn				ROOM NO. 10		STATE WASH		FED.AID PROJ.NO.		 Washington State Department of Transportation US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT DRAINAGE PLAN		PLAN REF. NO. DR3	
TIME 2:37:12 PM				JOB NUMBER		LOCATION NO. XL6092		DATE				SHEET OF	
DATE 5/19/2025				CONTRACT NO.		DATE		DATE				SHEET	
DESIGNED BY fujikwaram												SHEETS	
A. DE LA CRUZ													
ENTERED BY M. FUJIIWARA													
CHECKED BY M. TURFF													
PROJ. ENGR. G. AMUNDSEN BARNKOW													
REGIONAL ADM. S. ROARK													
REVISION				DATE		BY							



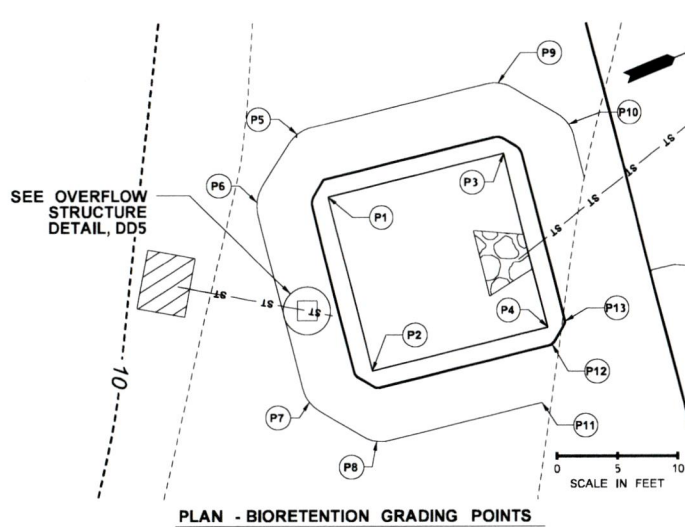
- NOTES:**
1. ALL OFFSETS ARE TO CENTER OF GRATE.
 2. ALL SCHEDULE A STORM SEWER SHALL BE CONCRETE.



BIORETENTION FACILITY 2



BIORETENTION FACILITY 2 - CROSS SECTION
NOT TO SCALE



POINT LAYOUT TABLE		
POINT	STATION/OFFSET	ELEVATION
P1	STA D-LINE 12+88.75 (43.34' LT.)	9.50'
P2	STA D-LINE 12+73.75 (43.39' LT.)	9.50'
P3	STA D-LINE 12+88.70 (28.34' LT.)	9.50'
P4	STA D-LINE 12+73.70 (28.39' LT.)	9.50'
P5	STA D-LINE 12+94.47 (44.59' LT.)	12.00'
P6	STA D-LINE 12+89.76 (49.17' LT.)	12.00'
P7	STA D-LINE 12+72.50 (49.11' LT.)	12.00'
P8	STA D-LINE 12+67.96 (44.49' LT.)	12.00'
P9	STA D-LINE 12+94.54 (27.36' LT.)	12.00'
P10	STA D-LINE 12+89.74 (22.53' LT.)	12.00'
P11	STA D-LINE 12+67.71 (30.39' LT.)	12.00'
P12	STA D-LINE 12+72.25 (28.41' LT.)	10.00'
P13	STA D-LINE 12+73.83 (26.90' LT.)	10.00'

FILE NAME c:\pw_wsdofnd0426975\XL6092_PS_DD3.dgn

TIME 1:45:06 PM

DATE 5/19/2023

PLOTTED BY fujihwaram

DESIGNED BY A. DE LA CRUZ

ENTERED BY M. FUJIWARA

CHECKED BY M. TUFF

PROJ. ENGR. G. AMUNDSEN BARNKOW

REGIONAL ADM. S. ROARK

REGION NO. 10

STATE WASH

22C532

CONTRACT NO.

LOCATION NO.

XL6092

REVISION

DATE

BY

FED.AID PROJ.NO.

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE

DATE

DATE

DATE



Washington State
Department of Transportation

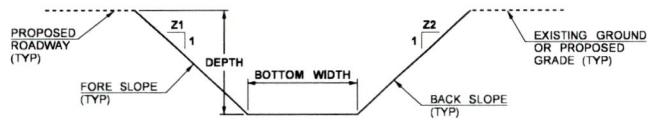
US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

DRAINAGE DETAILS

PLAN REF NO.
DD3

SHEET
OF

SHEETS

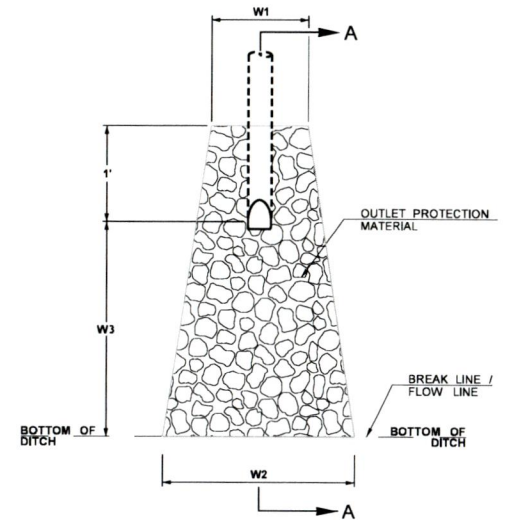


NOTES:

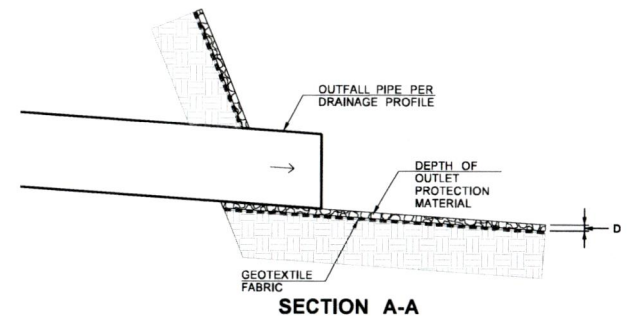
1. DITCH EXCAVATION IS INCLUDED IN ROADWAY EXCAVATION INCLUDING HAUL.
2. FOR DITCH GRADING DETAILS, SEE ROADWAY TYPICAL SECTIONS (RS) SHEETS.
3. SEE DITCH TABLE, THIS SHEET, FOR DITCH LOCATIONS.
4. MAXIMUM DITCH SIDE SLOPE IS 2H:1V. DITCH SIDE SLOPES MAY VARY FROM TYPICAL 3H:1V TO MATCH INTO EXISTING SIDE SLOPES AND ROADWAY EMBANKMENT SLOPES.

DITCH TABLE						
DRAINAGE SHEET	DITCH LOCATION	DEPTH	BOTTOM WIDTH	FORE SLOPE (Z1)	BACK SLOPE (Z2)	
DR1-1	C-LINE 503+67.00 TO C-LINE 504+48.35	0.63 LF	0.50 LF	3:1	3:1	
DR1-1	C-LINE 504+70.50 TO C-LINE 506+90.00	1.3 LF	0.00 LF	3:1	3:1	
DR1-9	C-LINE 510+40.00 TO C-LINE 510+56.38	0.65 LF	0.00 LF	2:1	2:1	
DR1-9	C-LINE 510+76.50 TO C-LINE 510+80.15	0.74 LF	0.00 LF	4.67:1	2:1	
DR3-16	PCA-LINE 34+00.00 TO PCA-LINE 35+60.00	1.24 LF	0.00 LF	3:1	4:1	
DR3-17	C-LINE 535+73.27 TO C-LINE 536+69.92	0.83 LF	0.00 LF	2:1	3:1	
DR3-18	C-LINE 536+87.00 TO C-LINE 537+57.50	1.84 LF	1.50 LF	4:1	3:1	
DR3-19	C-LINE 538+28.15 TO C-LINE 538+34.00	2.50 LF	1.50 LF	3:1	3:1	

ENERGY DISSIPATOR						
STRUCTURE ID	GEOTEXTILE	W1	W2	W3	D	OUTLET PROTECTION MATERIAL
	S.Y.	FEET	FEET	FEET	FEET	
DR1-8	30	3.0	5.7	3.0	1.2	ROCK FOR EROSION & SCOUR PROTECTION CLASS A
DR3-1	24	3.0	6.3	4.0	2.0	ROCK FOR EROSION & SCOUR PROTECTION CLASS B
DR3-4	18	3.0	5.7	3.0	1.4	ROCK FOR EROSION & SCOUR PROTECTION CLASS A
DR3-12	18	3.0	6.3	3.0	0.6	QUARRY SPALLS



QUARRY SPALL ENERGY DISSIPATER DETAIL
NOT TO SCALE



SECTION A-A

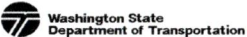
FILE NAME: c:\pw_wsdotd\0426979\XL6092_PS_DD6.dgn		REGION: 10 WASH		FED.AID PROJ.NO.		Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO: DD6	
TIME: 1:46:30 PM		DATE: 5/19/2025		DESIGNED BY: A. DE LA CRUZ		ENTERED BY: M. FUJIIWARA		CHECKED BY: M. TUFF		SHEET OF: SHEETS	
PROJ. ENGR: G. AMUNDSEN BARNKOW		REGIONAL ADM: S. ROARK		REVISION		DATE		BY		CONTRACT NO.	
										LOCATION NO: XL6092	
										DATE	
										DATE	

QUANTITY TABULATION - PAVEMENT

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW
REFERS TO THE SHEET NO. OR THE SHEET
REFERENCE NO. SHOWING THE
CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE
CONSTRUCTION FEATURE FOUND ON THAT
SHEET.

GENERAL NOTES:

NOTE: THE FIRST NUMBER OF THE "CODE" BELOW REFERS TO THE SHEET NO. OR THE SHEET REFERENCE NO. SHOWING THE CONSTRUCTION FEATURE. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.																	GENERAL NOTES:																
CODE	LOCATION	UNIT OF MEASURE	CEMENT CONC. GUTTER	SEW TRAFFIC BARRIER	PLANNING BITUMINOUS	CRUSHED SURFACING BASE COURSE	HMA CL. 1/2 IN. PG58H-22	HMA FOR APPROACH CL. 1/2 IN. PGH58-22	EXTRUDED CURB	BEAM GUARDRAIL TYPE 31 - 11 FT. LONG POST	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST	BEAM GUADRAIL TYPE 31	BEAM GUARDRAIL TRANSITION SECTION TYPE 21	BEAM GUARDRAIL TRANSITION SECTION TYPE 1	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	SEE GENERAL NOTES																	
PV1-1	C 504+19.4 TO 507+19.2 (RT)										87.5	112.5	1		1	1, 2, 3, 4	1. SEE STANDARD PLAN C-25.20, BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 21																
PV1-2	C 503+67 TO 505+00				326											18	2. SEE STANDARD PLAN C-24.10, GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER, B CONNECTION																
PV1-3	C 503+67 TO 540+15.52																3. SEE STANDARD PLAN C-20.10,																
PV1-4	C 505+00 TO 507+60 (RT)								241				1		1	1, 2, 4	4. SEE STANDARD PLAN C-22.40-09, BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS)																
PV1-5	C 506+19.3 TO 507+19.3 (LT)																5. SEE STANDARD PLAN C-23.70, BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 11																
PV1-6	C 507+38.4 TO 508+50.4 (RT)											12.5	1		1	1, 2, 3, 4	6. SEE STANDARD PLAN C-20.42-05, GUARDRAIL PLACEMENT STRONG POST TYPE 31 INTERSECTION DESIGN, SEE SHEET PD1																
PV1-7	C 507+38.36 TO 510+36.12 (LT)											200	1		1	1, 2, 3, 4	7. SEE STANDARD PLAN F-10.40-04, EXTRUDED CURB PLACEMENT																
PV1-8	C 510+76.66 TO F 1+84.32 (LT)											225			2	3, 4	8. SEE STANDARD PLAN F-10.42, EXTRUDED CURB, TYPE 4																
PV1-9	C 512+56.34 TO F 2+04.56 (RT)											100	1		1	1, 2, 3	9. SEE STANDARD PLAN C-25.30, BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (POSTED SPEEDS 45 MPH AND BELOW)																
PV1-10	C 512+32 TO 513+32 (RT)												1		1	1, 2, 3, 4	10. SEE STANDARD PLAN C-60.10, CONCRETE BARRIER TYPE F (PRECAST)																
PV1-11	C 512+70 TO 513+32 (RT)								61.5							7, 8	11. SEE STANDARD PLAN M-20.10, LONGITUDINAL MARKING PATTERNS																
PV1-12	C 513+00 TO 514+05.1 (LT)			106													12. SEE STANDARD PLAN F-10.12-04, MOUNTABLE CEMENT CONCRETE TRAFFIC CURB																
PV1-13	C 513+32 TO 514+05.1 (RT)			72													13. SEE STANDARD PLAN M-24.20, TRAFFIC ARROWS FOR HIGH-SPEED ROADWAYS TYPE 2L																
PV1-14	C 503+67 TO 540+15.52					3002	3686	86									14. SEE STANDARD PLAN M-65.10-03, CENTERLINE RUMBLE STRIP																
PV1-15	DW-520 2+04												1			1, 2	15. ALL PLASTIC PAVEMENT MARKINGS SHALL BE TYPE D																
PV3-1	C 530+42.92 TO 531+17.56																16. SEE STANDARD PLAN C-25.80-05, BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR																
PV3-2	D 10+25 TO 17+50																17. SEE STANDARD PLAN H-70.10-02, MAILBOX SUPPORT TYPE 1																
PV3-3	C 531+19.96 TO 533+32.46 (RT)											150	1			1, 2, 3	18. SEE "BUTT JOINT PLANING DETAIL", SHEET PD1																
PV3-4	D 10+25 TO 16+70					4491	1026										19. SEE STANDARD PLAN H-60.20-01, BOLLARD TYPE 2																
PV3-5	C 530+42.9 TO 532+15.8 (RT)																																
PV3-6	C 534+74.8 TO 535+23.9 (LT)			73																													
PV3-7	C 534+69.78 TO 536+12.49 (RT)											37.5	1		1	1, 2, 3, 4																	
PV3-8	C 535+23.85 TO 536+48.85 (LT)											25	1		1	1, 2, 3, 4																	
PV3-9	C 536+50 TO 540+15.52				763											18																	
PV3-10	C 538+15.5 TO 540+15.5 (RT)									75		50		1	1	3, 4, 16																	
PV3-11	C 538+78 TO 540+15.5 (LT)									87.5		12.5		1		3, 16																	
PV3-12	D 10+43.1																																
PV3-13	C 529+88.5																																
PV3-14	C 530+25.4																																
PV3-15	D 10+28.2 (RT) TO C 533+32.5 (LT)				256																												
PV3-16	D 10+57.1 TO 10+92.6 (LT)				79																												
SHEET TOTAL				586	1089	7493	4712	86	302.5	162.5	87.5	925	10	2	11																		
PROJECT TOTAL				586	1265	7493	4712	86	1109	162.5	87.5	1362.5	13	2	13																		
DESIGNED BY						REGION NO.		STATE		FED. AID PROJ. NO.					US 101 DUCKABUSH ESTUARY RESTORATION			QTPV 1															
ENTERED BY						10		WASH		SHEET																							
CHECKED BY			B. ABDUSHEKUR																														
PROJ. ENGR.			A. DE LA CRUZ			JOB NUMBER		22C532							OF																		
REGION ADM.			S. ROARK			CONTRACT NO.						QUANTITY TABULATION - PAVEMENT			SHEETS																		
DATE		DATE	REVISION		BY																												

QUANTITY TABULATION - PAVEMENT

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW
REFERS TO THE SHEET NO. OR THE SHEET
REFERENCE NO. SHOWING THE
CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

GENERAL NOTES:

[illegible]

QUANTITY TABULATION - PAVEMENT

NOTE:
THE FIRST NUMBER OF THE "CODE" BELOW
REFERS TO THE SHEET NO. OR THE SHEET
REFERENCE NO. SHOWING THE
CONSTRUCTION FEATURE.

THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THAT SHEET.

GENERAL NOTES:

[illegible]

QUANTITY TABULATION - PAVEMENT

[illegible]

pw:\\projectstore.wsdot.wa.gov\\WSDOT\\Documents\\Olympic\\Projects\\101\\309.88_DuckabushEstuaryRestor\\Design_CADD\\Sheets\\310-Paving & Pavement Marking\\XL6092_PS_PV3.dgn



- | | |
|-----------|---|
| FILE NAME | c:\pw_wsdot\ld0432218\XL6092_PS_PV3.dgn |
|-----------|---|

TIME	9:23:06 AM
------	------------

DATE 5/22/2025

PLOTTED BY	fujhwaram
DESIGNED BY	M. TUFF

DESIGNED BY	NI. TUFT
ENTERED BY	M. FILLIWAR

CHECKED BY	A. DE LA C
------------	------------

PROJ. ENGR.	G. AMUNDS
-------------	-----------

REVISION

DATE

BY

REGION NO.	STATE
10	WASH

JOB NUMBER
22C532

CONTRACT NO.

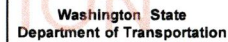
FED.AID PROJ.NO.

LOCATION NO.

XL6092

P.E. STAMP BOX

P.E. STAMP BOX



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

PAVING & MARKING PLAN

PLAN REF NO
PV3

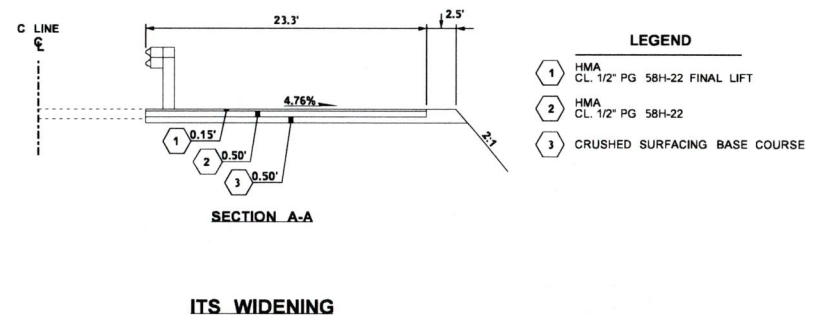
SHEET

Of

SHEET 1



FILE NAME				c:\pw\wdo\fd0432219\XL6092 PS PD1.dgn				REGION NO.		STATE		FED.AID PROJ.NO.		 Washington State Department of Transportation	US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT PAVING DETAILS	PLAN REF NO.
TIME				1:53:50 PM				10		WASH						PD1
DATE				5/19/2025				22C532								SHEET
PLOTTED BY				fujihwaram				CONTRACT NO.		LOCATION NO.						OF
DESIGNED BY				M. TUFF												SHEETS
ENTERED BY				M. FUJIWARA												
CHECKED BY				A. DE LA CRUZ												
PROJ. ENGR.				G. AMUNDSEN BARNKOW												
REGIONAL ADM.				S. ROARK				REVISION		DATE		BY				
												P.J. STAMP BOX		DATE		
												P.J. STAMP BOX		DATE		

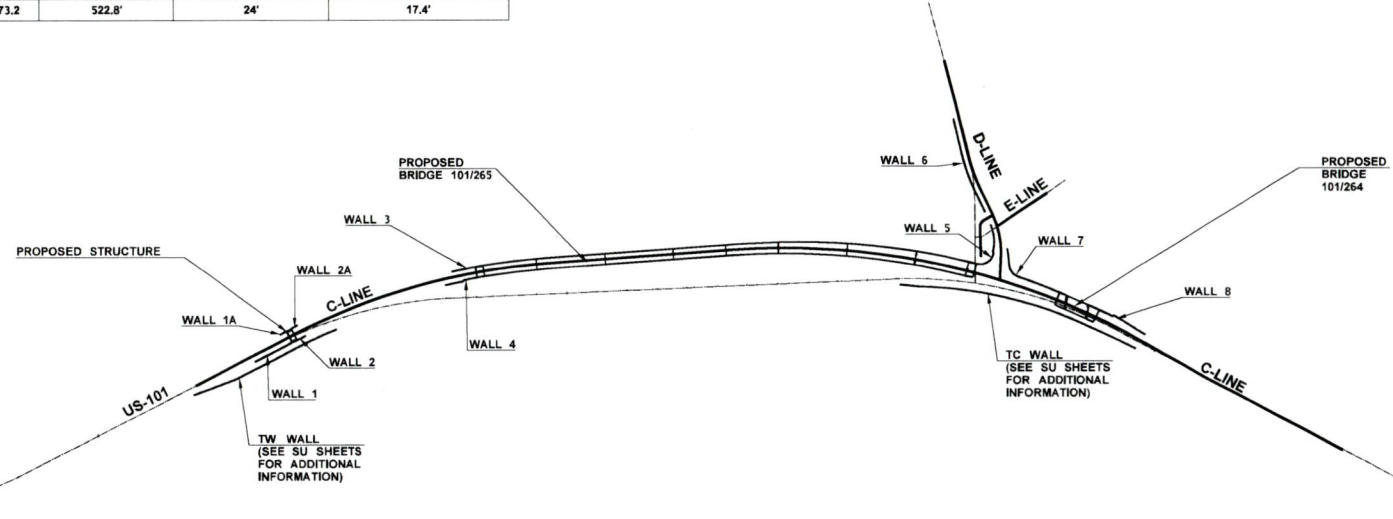


FILE NAME		c:\pw_wsd\ford\043221\XL6092_PS_PD2.dgn		REGION NO.		STATE		FED.AID PROJ.NO.		 Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO	
TIME		1:56:19 PM		10		WASH		PD2							
DATE		5/19/2025		22C532				SHEET							
PLOTTED BY		fujivaram		CONTRACT NO.		LOCATION NO.		OF							
DESIGNED BY		M. TUFF				XL6092									
ENTERED BY		M. FUJIWARA													
CHECKED BY		A. DE LA CRUZ													
PROJ. ENGR.		G. AMUNDSEN BARNKOW													
REGIONAL ADM.		S. ROARK													
REVISION		DATE		BY											

SECT. 16 & 21, T.25N. R.2W. W.M. TOWN OF BRINNON



WALL TABLE					
WALL NAME	BEGIN STATION	END STATION	LENGTH	MAX HEIGHT (EXPOSED WALL FACE)	MIN. REINFORCEMENT LENGTH
1	C-LINE 505+80	C-LINE 507+19.4	139.4'	23.6'	16'
1A	C-LINE 506+95	C-LINE 507+19.4	24.4'	23.2'	16'
2	C-LINE 507+38.4	C-LINE 507+60	33.7'	23'	16'
2A	C-LINE 507+38.4	C-LINE 507+63	24.9'	22.2'	16'
3	C-LINE 513+00	C-LINE 513+96.8	97.6'	11.7'	11'
4	C-LINE 512+70	C-LINE 513+96.7	129.4'	10.7'	18'
5	C-LINE 530+37.5	D-LINE 11+95.4	182.8'	10.2'	13.6'
6	D-LINE 12+42	D-LINE 15+70	332.2'	10.5'	13.6'
7	D-LINE 11+05	C-LINE 533+49.4	271.7'	20.4'	*SEE SHEET ST10
8	C-LINE 534+51.9	C-LINE 534+45.7	211.4'	17.3'	*SEE SHEET ST11
TC	TC-LINE 57+59.5	TC-LINE 65+89.9	821.3'	8.8'	15'
TW	US 101 LINE 103+48.7	C-LINE 508+73.2	522.8'	24'	17.4'



NOTES:

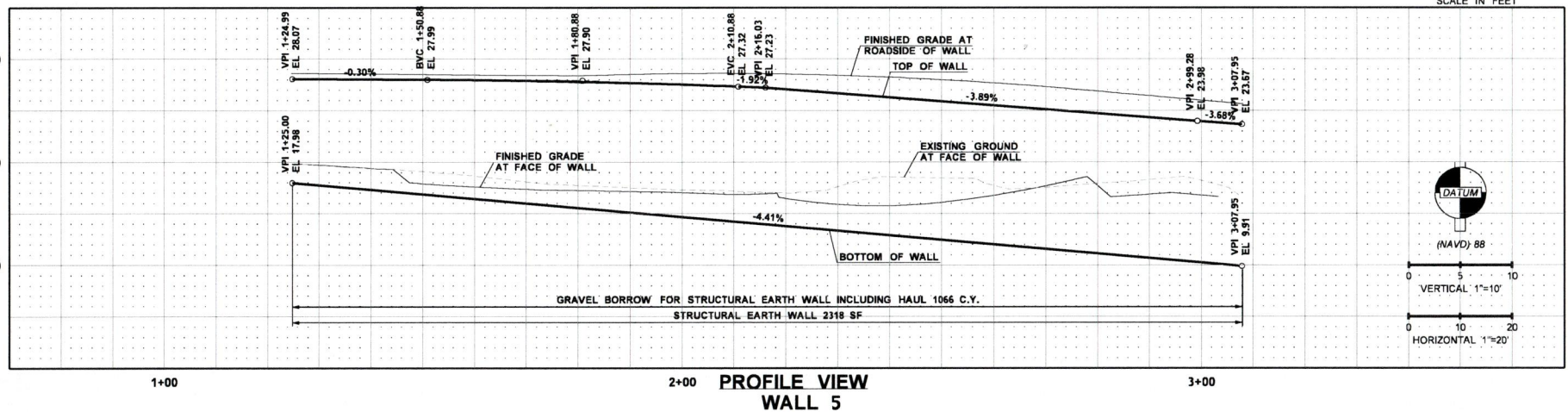
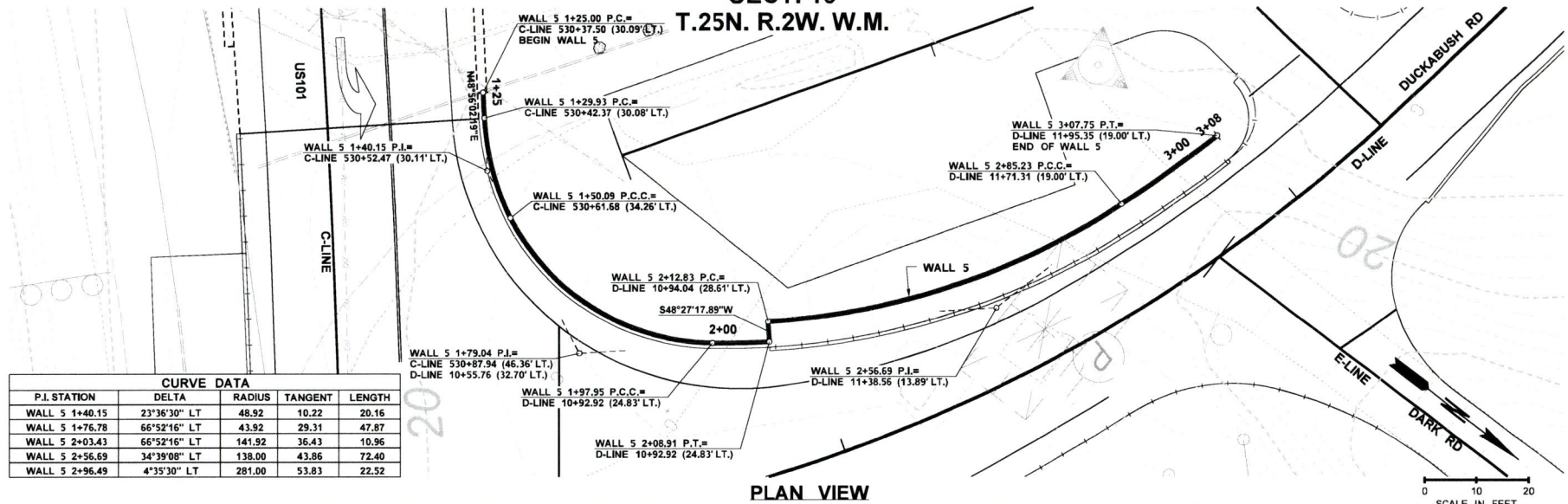
1. SEE WSDOT STANDARD PLAN E-20.10.00, BURIED STRUCTURE SPLIT BOX.

0 200 400
SCALE IN FEET

FILE NAME: c:\pw\wsofd0538899\XL6092_PS_ST1.dgn		REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO. ST1	
TIME: 1:57:10 PM		22C532		LOCATION NO. XL6092								SHEET OF SHEETS	
DATE: 5/19/2023													
DESIGNED BY: M. TUFF													
ENTERED BY: M. FUJIWARA													
CHECKED BY: A. DE LA CRUZ													
PROJ. ENGR. G. AMUNDSEN BARNKOW													
REGIONAL ADM. S. ROARK													
REVISION													
DATE													
BY													

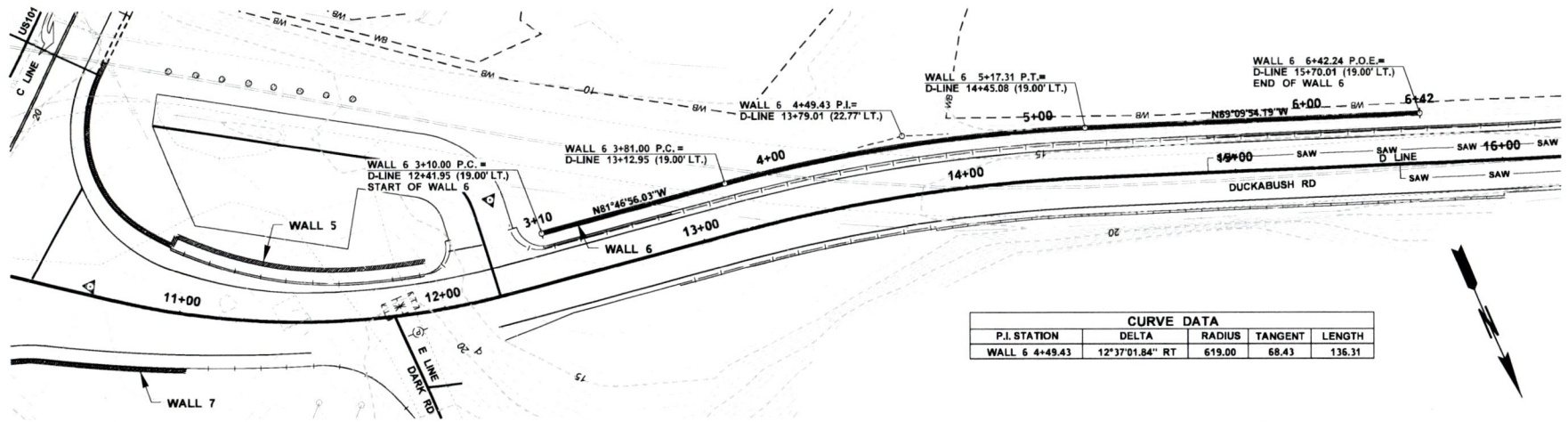
c:\pw\wsofd0538899\XL6092_PS_ST1.dgn Project: 010309.88 Duckabush Estuary Restoration CAD: Sheets\30-Minor\Struct\XL6092_PS_ST1.dgn

T.25N. R.2W. W.M.

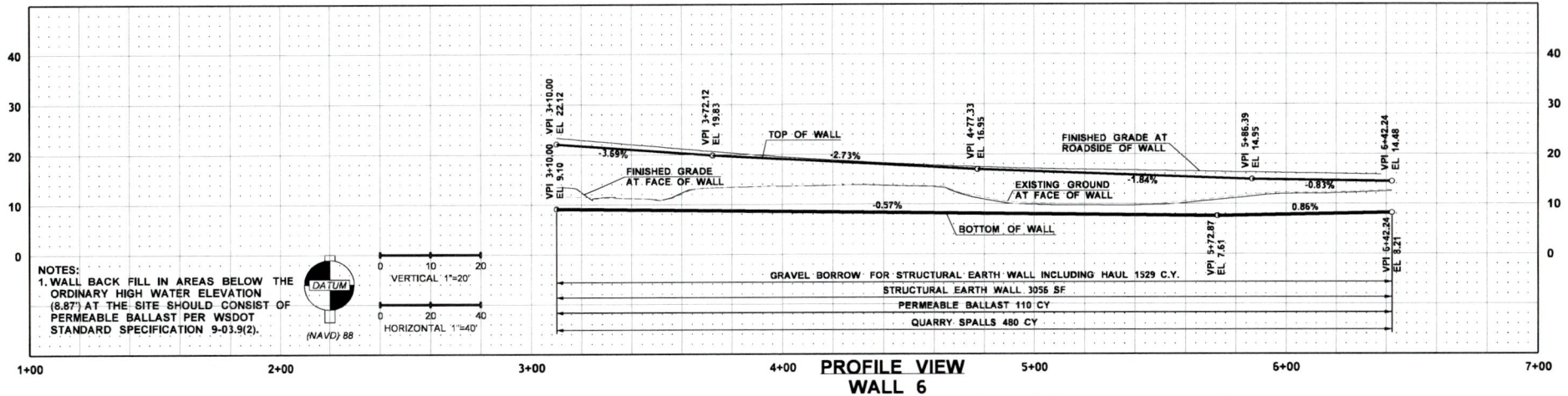


FILE NAME c:\pwp_wsdof\053889\XL6092_PS_ST8.dgn				REGION NO. STATE		FED.AID PROJ.NO.		 Washington State Department of Transportation US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO.	
TIME 2:00:28 PM				10 WASH		ST8					
DATE 3/19/2025				22C532		SHEET					
PLOTTED BY fujhvaram				CONTRACT NO.		OF					
DESIGNED BY M. TUFF				LOCATION NO.		XL6092		WALL 5 PLAN AND PROFILE		SHEETS	
ENTERED BY M. FUJWARA				DATE		P.L. STAMP BOX				DATE	
CHECKED BY A. DE LA CRUZ				BY		P.L. STAMP BOX				DATE	
PROJ. ENGR. G. AMUNDSEN BARNKOW				REVISION							
REGIONAL ADM. S. ROARK				DATE							

SECT. 16 T.25N. R.2W. W.M.



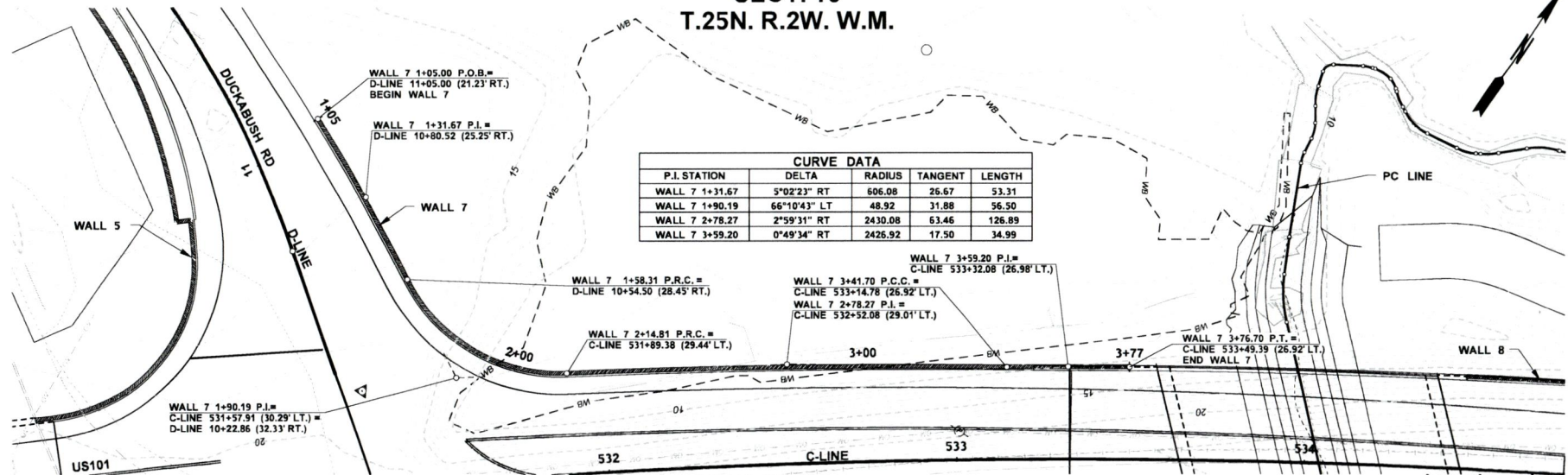
PLAN VIEW



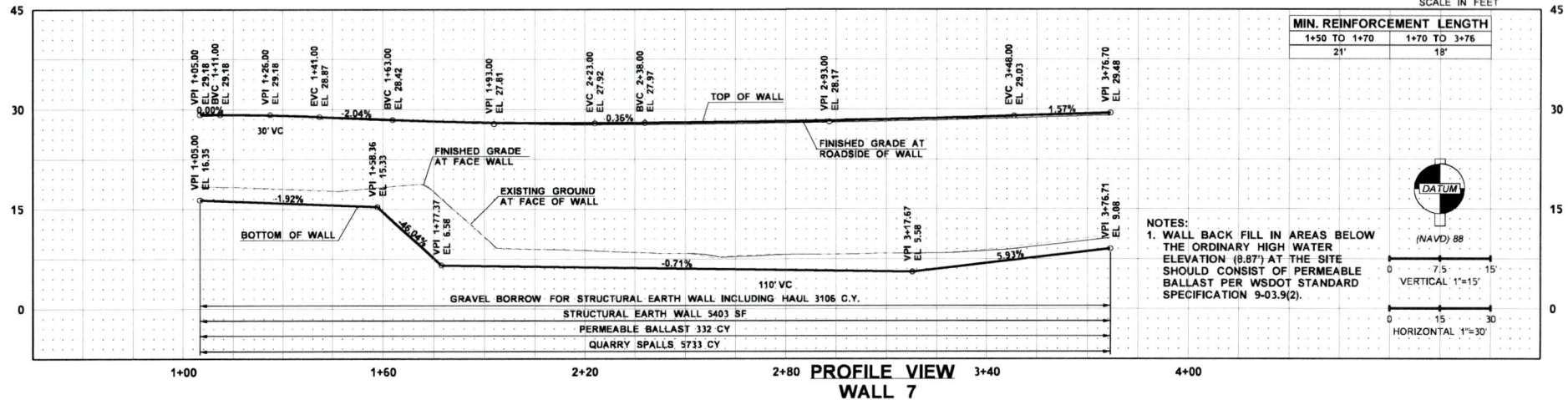
PROFILE VIEW
WALL 6

FILE NAME: c:\pw_wsdot\0518899\XL6092_PS_ST9.dgn		REGION NO. 10		STATE WASH		FED.AID PROJ.NO.		Washington State Department of Transportation		US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT		PLAN REF NO. ST9	
TIME: 2:00:56 PM		CONTRACT NO. 22C532		LOCATION NO. XL6092		SHEET OF SHEETS							
DATE: 5/19/2025		DESIGNED BY: M. TUFF		CHECKED BY: A. DE LA CRUZ		PROJ. ENGR. G. AMUNDSEN BARNKOW		REGIONAL ADM. S. ROARK		REVISION		DATE BY	

SECT. 16 T.25N. R.2W. W.M.



PLAN VIEW



PROFILE VIEW
WALL 7

ps:\projects\restoration\restoration\101306.98_DuckabushEstuaryRestorDesign_CAD_Sheets\130-MinorStructXL6092_PS_ST10.dgn

FILE NAME c:\pw_ws\dotd0538899XL6092_PS_ST10.dgn
TIME 2:02:42 PM
DATE 5/19/2025
PLOTTED BY fujiharam
DESIGNED BY M. TUFF
ENTERED BY M. FUJIWARA
CHECKED BY A. DE LA CRUZ
PROJ. ENGR. G. AMUNDSEN BARNKOW
REGIONAL ADM. S. ROARK

REVISION

DATE

BY

REGION NO. 10
STATE WASH
PROJECT NO. 22C532

FED.AID PROJ.NO.
CONTRACT NO.
LOCATION NO. XL6092

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



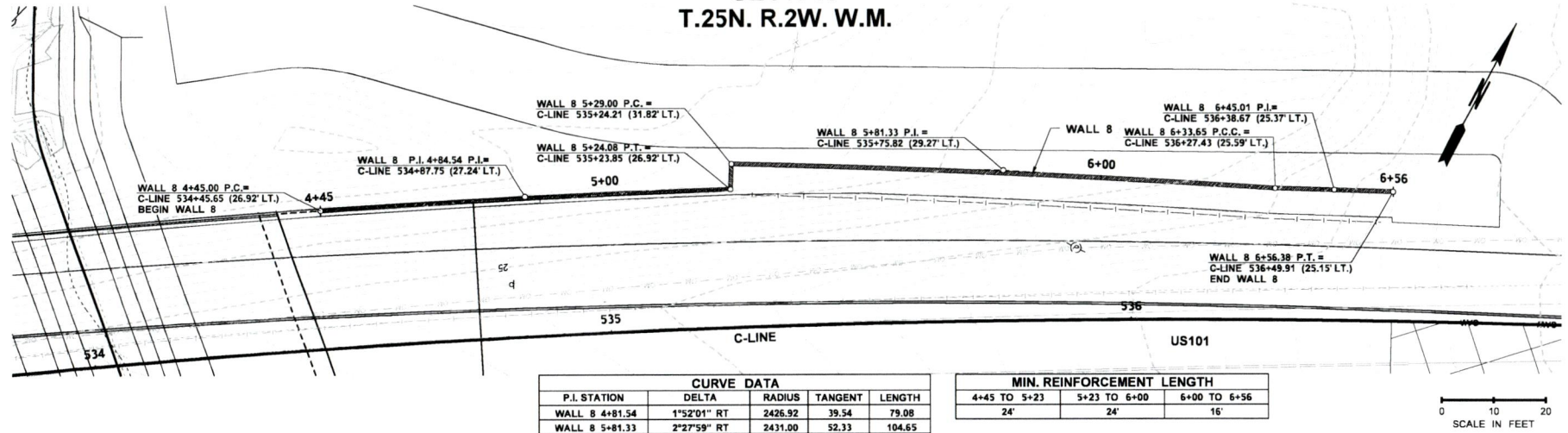
US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

WALL 7 PLAN AND PROFILE

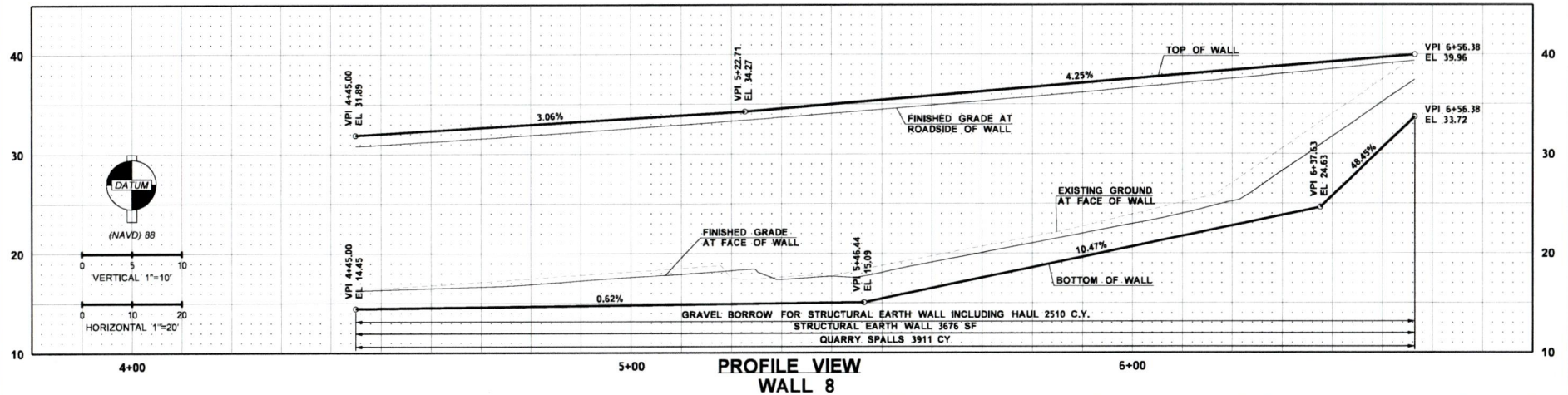
PLAN REF NO
ST10

SHEET
OF
SHEETS

SECT. 16
T.25N. R.2W. W.M.



PLAN VIEW



PROFILE VIEW
WALL 8

FILE NAME c:\pw\wsofd0538899\XL6092 PS ST11.dgn

TIME 9:24:04 AM

DATE 5/22/2025

DESIGNED BY M. TUFF

ENTERED BY M. FUJIWARA

CHECKED BY A. DE LA CRUZ

PROJ. ENGR. G. AMUNDSEN BARNKOW

REGIONAL ADM. S. ROARK

REGION NO. 10

STATE WASH

CONTRACT NO. 22C532

LOCATION NO. XL6092

FED.AID PROJ.NO.

DATE

P.L. STAMP BOX

DATE

P.L. STAMP BOX

DATE



Washington State
Department of Transportation

US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

WALL 8 PLAN AND PROFILE

PLAN REF NO.

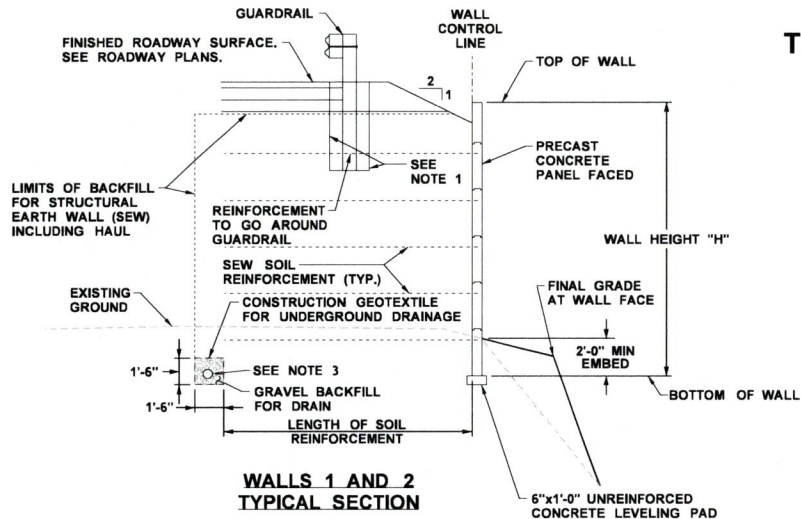
ST11

SHEET

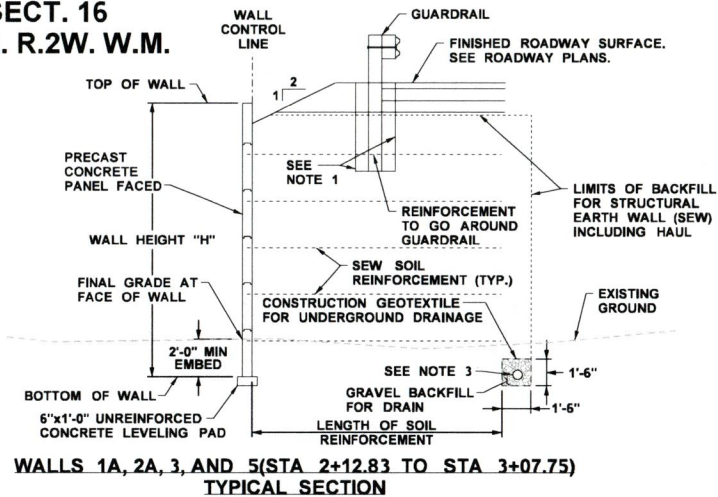
OF

SHEETS

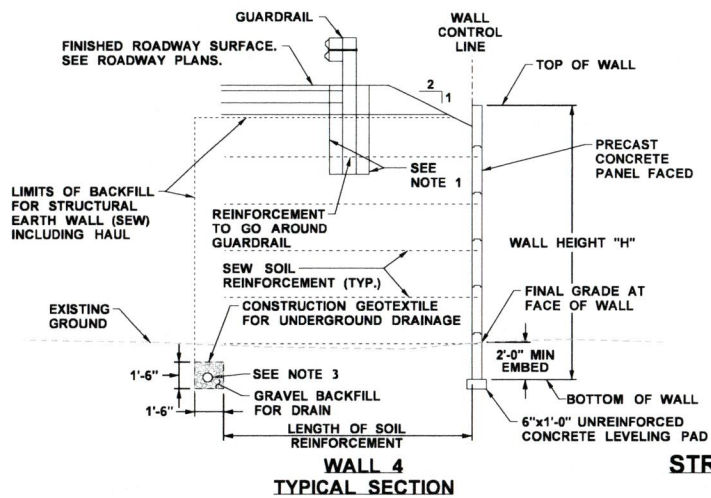
SECT. 16
T.25N. R.2W. W.M.



WALLS 1 AND 2
TYPICAL SECTION

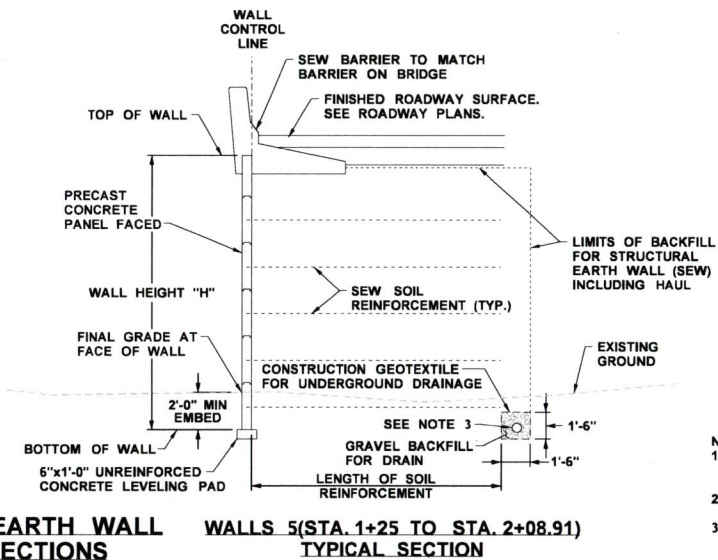


WALLS 1A, 2A, 3, AND 5 (STA 2+12.83 TO STA 3+07.75)
TYPICAL SECTION



WALL 4
TYPICAL SECTION

STRUCTURAL EARTH WALL
TYPICAL SECTIONS



WALLS 5 (STA. 1+25 TO STA. 2+08.91)
TYPICAL SECTION

- NOTES:**
1. VERTICAL CORRUGATED METAL PIPE BACKFILL AFTER GUARDRAIL POST IS INSTALLED.
 2. SEE SPECIAL PROVISIONS FOR SEW REQUIREMENTS.
 3. UNDERDRAIN PIPE INSTALL A STAINLESS STEEL DRAIN SCREEN AT THE OUTFALL.

FILE NAME c:\pw_wed053889\XL6092_PS ST12.dgn

TIME 2:02:10 PM

DATE 5/19/2025

PLOTTED BY tujivaram

DESIGNED BY M. TUFF

ENTERED BY M. FUJIWARA

CHECKED BY A. DE LA CRUZ

PROJ. ENGR. G. AMUNDSEN BARNKOW

REGIONAL ADM. S. ROARK

REVISION

DATE

BY

REGION STATE
10 WASH
JOB NUMBER
22C532

CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO.

XL6092

P.E. STAMP BOX

DATE

P.E. STAMP BOX

DATE



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

WALL CROSS SECTIONS

PLAN REF NO

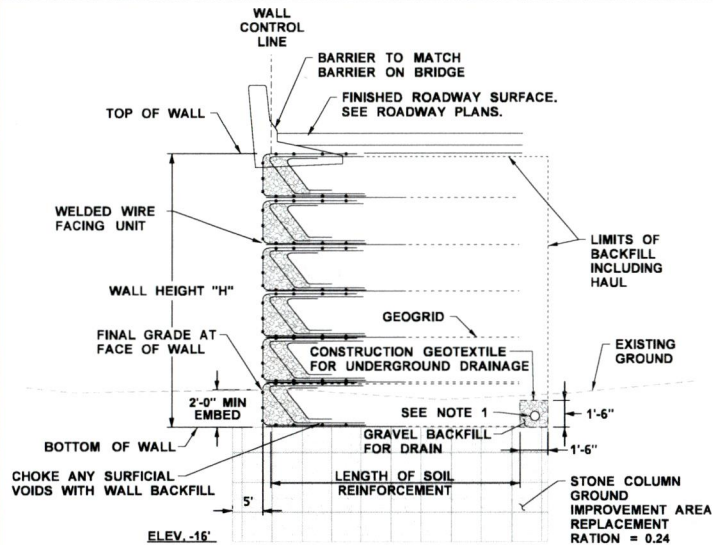
ST12

SHEET

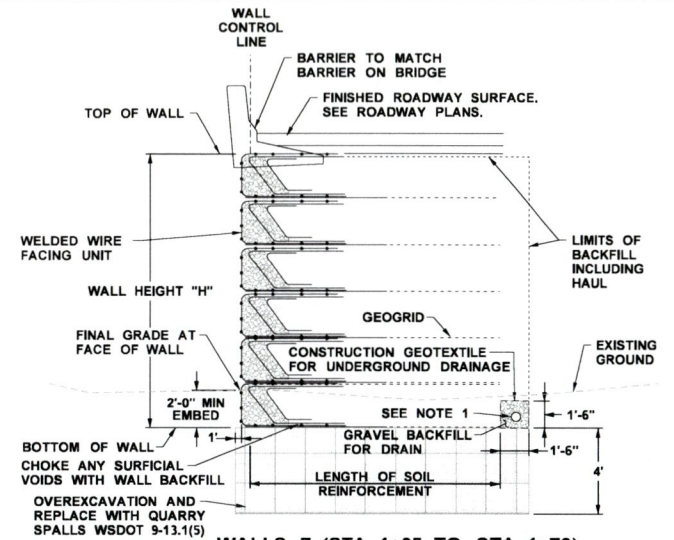
OF

SHEETS

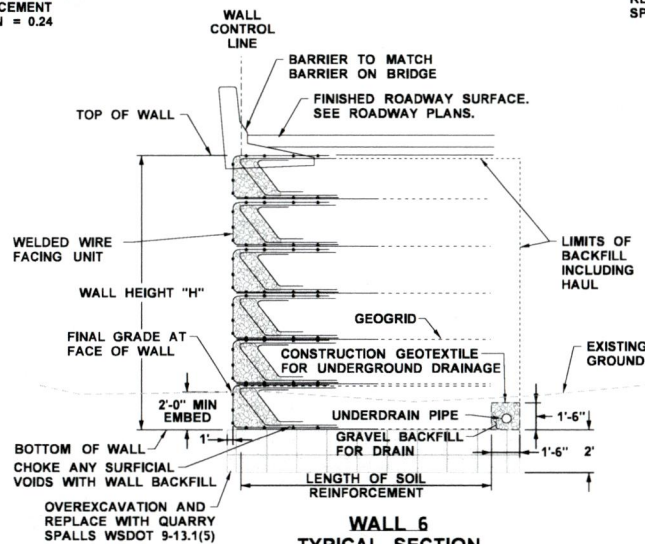
SECT. 16
T.25N. R.2W. W.M.



**WALLS 7 (STA. 1+70 TO STA. 3+76)
& 8 (STA. 4+45 TO STA. 5+50)**
TYPICAL SECTION



**WALLS 7 (STA. 1+05 TO STA. 1+70)
& 8 (STA. 5+50 TO STA. 6+56)**
TYPICAL SECTION



WALL 6
TYPICAL SECTION

- NOTES:**
1. UNDERDRAIN PIPE, INSTALL A STAINLESS STEEL DRAIN SCREEN AT THE OUTFALL.

FILE NAME c:\pww\wsohd\0538899\XL6092_P6_ST13.dgn

TIME 2:03:17 PM

DATE 5/19/2025

PLOTTED BY Fujivaram

DESIGNED BY M. TUFF

ENTERED BY M. FUJIWARA

CHECKED BY A. DE LA CRUZ

PROJ. ENGR. G. AMUNDSEN BARNKOW

REGIONAL ADM. S. ROARK

REGION STATE FED.AID PROJ.NO.

10 WASH

22C532

CONTRACT NO.

LOCATION NO.

XL6092

REVISION

DATE BY



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT

MINOR STRUCTURE DETAIL

PLAN REF NO
ST13

SHEET
OF
SHEETS



Turnback Agreement			Local Agency Name & Address Jefferson County Public Works 623 Sheridan Street Port Townsend, WA 98368
Agreement Number TB			Location Intersection of Duckabush Rd & US Highway 101, Southeast Quarter of Section 16, Township 25 North, Range 2 West W.M. As shown in Exhibit A and fully described in Exhibit B.
State Route 101	Control Section	Region Olympic	

THIS AGREEMENT is between the Washington State Department of Transportation, hereinafter "WSDOT," and Jefferson County, hereinafter the "Local Agency;" collectively hereinafter the "PARTIES."

Recitals

1. WSDOT is planning the construction or improvement of a section of the state route as identified above, hereinafter referred to as the "Project."
2. WSDOT has acquired and/or is in the process of acquiring right-of-way needed to construct, reconstruct, or rearrange the state route and/or certain streets or roads, frontage roads, access roads, intersections, ramps, crossings, and /or other roadway features, hereinafter referred to as "Roadway Facilities."
3. Upon completion of the Project certain right-of-way and Roadway Facilities, as shown on Exhibit A, attached hereto and made a part hereof, will require maintenance, operation, and ownership transfer from WSDOT to the Local Agency, or maintenance, operation, and ownership transfer from the Local Agency to WSDOT.
4. WSDOT and Local Agency enter into this Agreement to identify the process of Roadway Facilities and right-of-way maintenance, operation, and ownership transfer.

NOW, THEREFORE, pursuant to:

- ☒ (County) RCW 36.75.090 and WAC 468-18-040, "Design standards for rearranged county roads, frontage roads, access roads, intersections, ramps and crossings,"

It Is Mutually Agreed as Follows:

1. Acceptance, and Transfer of Operation and Maintenance

- 1.1 Once the Project is completed and reviewed by the Parties, WSDOT will in writing transfer to the Local Agency and the Local Agency agrees to accept the responsibility for the maintenance and operation of the Roadway Facilities and right of way until such time as the full ownership of the right of way and Roadway Facilities are conveyed by deed pursuant to Section 2. The Local Agency will in writing transfer to WSDOT and WSDOT agrees to accept the responsibility for the maintenance and operation of the Duckabush Parking Lot until such time as the full ownership of the facility is conveyed by deed pursuant to Section 2.
- 1.2 The Local Agency agrees to accept or transfer to WSDOT ownership of the right of way and Roadway Facilities as shaded, where applicable, on Exhibit A, as follows:
 - Red** Indicates access control and access rights to be retained by WSDOT
 - Blue (light)** Indicates Roadway Facilities and right of way to be conveyed in fee to the Local Agency by WSDOT post-project
 - Yellow** Indicates easements or turnbacks to be conveyed to the Local Agency post-project
 - Purple** Indicates Roadway Facilities and right of way to be conveyed in fee by the Local Agency to WSDOT post-project
 - Green** Indicates Roadway Facilities and right-of-way to be conveyed in fee to the Local Agency subject to easement(s)

2. Recorded Conveyance

2.1 Within one year following WSDOT's written transfer to the Local Agency of the responsibility for maintenance and operations as provided in Section 1, WSDOT will furnish the Local Agency with a recordable conveyance of right of way, including the Roadway Facilities constructed thereon, as shown on the plans marked Exhibit A. The conveyance will be recorded pursuant to RCW 65.08.095. The PARTIES agree that sections 2.2, 2.3, 2.4 (if checked), and 2.5 herein shall be included in the conveyance document.

☒ 2.2 The Local Agency understands and agrees that the above-referenced property is transferred for road and street purposes only. The Local Agency shall not vacate, sell, rent or use the property (or any portion thereof) for nontransportation uses without first obtaining WSDOT's prior written approval. The Local Agency agrees on behalf of itself and its successors or assigns, not to revise either the right of way lines or the access control without first obtaining WSDOT's prior written approval. Should WSDOT authorize the vacation, sale, rental or use of the property (or any portion thereof) for nontransportation uses, the Local Agency agrees at its cost to determine by appraisal the fair market value/economic rent of the property (or any portion thereof), and the Local Agency and state of Washington agree to proportionally share in the value of the property in the same proportion as the purchase costs were shared.

☐ 2.3 The Local Agency agrees to comply with, and require its successors or assigns to comply with, all civil rights and anti-discrimination requirements of chapter 49.60 RCW, as to the right of way and Roadway Facilities to be conveyed.

☐ 2.4 Limited Access Highway - The Local Agency understands and agrees that WSDOT is retaining ownership of all rights of ingress and egress, to, from and between the above referenced state highway route and/or Roadway Facilities and the properties abutting said state highway route and/or Roadway Facilities, including all rights of access, light, view and air, and access control as shown by the access prohibition symbol and as shaded pursuant to Section 1.2, above, along the above referenced state route and/or Roadway Facilities right of way and along abutting properties on the right of way access plans marked as Exhibit A. The Local Agency, its successors or assigns, shall have no right of ingress or egress between the above referenced state route and abutting properties, or the state route and the lands herein conveyed that show the access prohibition symbol and as shaded pursuant to Section 1.2, above. The Local Agency, its successors or assigns, shall not be entitled to compensation for any loss of access, light, view, or air occasioned by the location, construction, reconstruction, maintenance, or operation of the above referenced state route and/or Roadway Facilities.

2.5 The Local Agency, on behalf of itself and its successors or assigns, waives and/or releases WSDOT from any past, present, or future claims for damages directly or indirectly caused by highway drainage or runoff, and further the Local Agency, its successors or assigns, shall have no right of compensation for damages to the property herein conveyed caused directly or indirectly by highway drainage or runoff.

2.6 The Local Agency agrees to accept the deed transferring ownership to the Local Agency subject to all matters of record.

2.7 Within one year following WSDOT's written transfer to the Local Agency of the responsibility for maintenance and operations for the areas identified in Exhibit A as provided in Section 1, the Local Agency will furnish WSDOT with a recordable conveyance of right of way, including the facilities constructed thereon, as shown on the plans marked Exhibit A. The conveyance will be recorded pursuant to RCW 65.08.095. WSDOT agrees to comply with, and require its successors or assigns to comply with, all civil rights and anti-discrimination requirements of chapter 49.60 RCW, as to the right of way and Roadway Facilities to be conveyed.

3. Enclosures

3.1 Exhibit A: Map of Turnback Areas

3.2 Exhibit B: Legal Description of Conveyance Areas

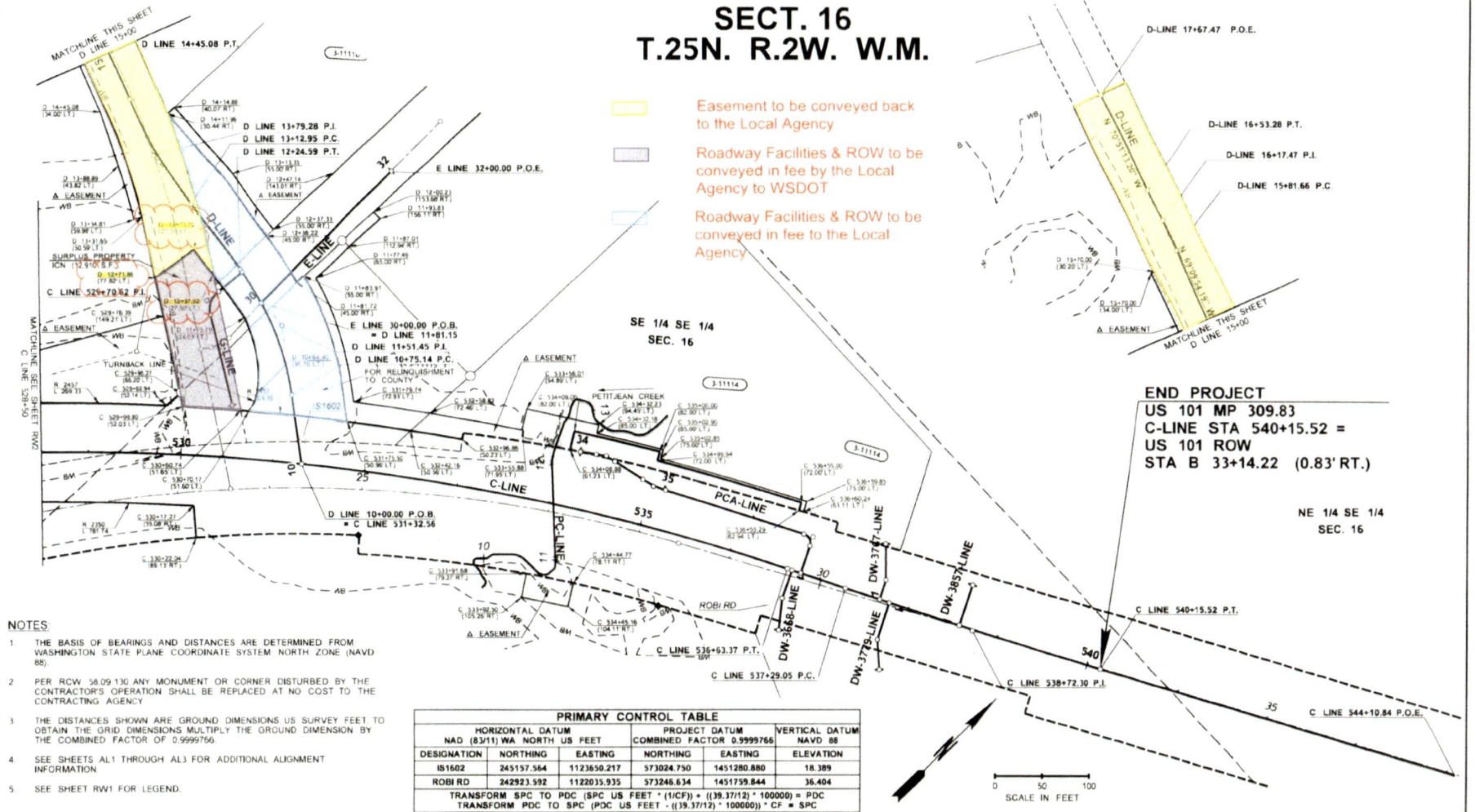
In Witness Whereof, the Parties hereto have executed this Agreement on the Party's date last written below.

LOCAL AGENCY	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
Signature: _____	Signature: _____
By: _____ Print Name	By: _____ Print Name
Title: _____	Title: _____
Date: _____	Date: _____

SECT. 16 T.25N. R.2W. W.M.

- Easement to be conveyed back to the Local Agency
- Roadway Facilities & ROW to be conveyed in fee by the Local Agency to WSDOT
- Roadway Facilities & ROW to be conveyed in fee to the Local Agency

END PROJECT
US 101 MP 309.83
C-LINE STA 540+15.52 =
US 101 ROW
STA B 33+14.22 (0.83' RT.)



NOTES

- THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE (NAVD 88).
- PER RCW 56.09.130 ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY
- THE DISTANCES SHOWN ARE GROUND DIMENSIONS US SURVEY FEET TO OBTAIN THE GRID DIMENSIONS MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.9999766.
- SEE SHEETS AL1 THROUGH AL3 FOR ADDITIONAL ALIGNMENT INFORMATION
- SEE SHEET RW1 FOR LEGEND.

PRIMARY CONTROL TABLE					
HORIZONTAL DATUM NAD (83/11) WA NORTH US FEET			PROJECT DATUM COMBINED FACTOR 0.9999766		VERTICAL DATUM NAVD 88
DESIGNATION	NORTHING	EASTING	NORTHING	EASTING	ELEVATION
IS1602	245157.564	1123650.217	573024.750	1451280.880	18.389
ROBI RD	242923.592	1122035.935	573246.634	1451759.844	36.404

$TRANSFORM\ SPC\ TO\ PDC\ (SPC\ US\ FEET * (1/CF)) + ((39.37/12) * 100000) = PDC$
 $TRANSFORM\ PDC\ TO\ SPC\ (PDC\ US\ FEET - ((39.37/12) * 100000)) * CF = SPC$

FILE NAME: c:\user\delacra\w\sdot\0771589\X1.6092_P5_RW3.dgn
 TIME: 11:00:03 AM
 DATE: 2/1/2025
 PLOTTED BY: delacra
 DESIGNED BY: M. TUFF
 ENTERED BY: M. FUJIMURA
 CHECKED BY: A. DE LA CRUZ
 PROJ. ENGR. G. AMUNDSEN BARNKOW
 REGIONAL ADM. S. ROARK

REVISION

DATE

BY

FED.AID PROJ.NO.
10 WASH
22C532
CONTRACT NO.
LOCATION NO.
XL6092

P.E. STAMP BOX

P.E. STAMP BOX



US 101
DUCKABUSH ESTUARY RESTORATION
REALIGNMENT
RIGHT OF WAY PLAN

PLAN REF NO.
RW3
SHEET
OF
SHEETS

Duckabush Surplus Area (Purple in Exhibit Map) Legal Description

All that portion of the hereinafter described Parcel "A" lying within the following described tract beginning at a point opposite Highway Engineer's Station (hereinafter referred to as HES) C 529+99.80 on the US 101 line survey of US 101 DUCKABUSH ESTUARY RESTORATION REALIGNMENT and 52.03 feet LT. Northwesterly therefrom; thence Northeasterly along said line survey to a point opposite HES C 530+60.74 and 51.65 feet LT. Northwesterly therefrom; thence Northwesterly to a point opposite HES D 12+37.92 on said line survey and 27.50 feet LT. Southerly therefrom; thence Westerly along said line survey to a point opposite HES D 12+71.70 and 27.39 feet LT. Southerly therefrom; thence Southerly along said line survey to a point opposite HES D 12+71.86 and 77.82 feet LT. Southerly therefrom; thence Southwesterly along said line survey to the point of beginning.

Parcel "A"

The following described property acquired by instruments recorded July 20, 1933, under A.F. Nos. 70659 & 70658, respectively:

A strip of land 70 feet wide in Section 16, Township 25 North, Range 2 West, W.M., being 40 feet on the Southerly side and 30 feet on the Northerly side of a center line Westerly from the Engineers Survey Station 23+55, extended.

Also, a strip of land 70 feet wide in Section 16, Township 25 North, Range 2 West, W.M., being 30 feet wide on the Northerly side and 40 feet wide on the Southerly side of a center line extending from the Westerly right of way line of said road at Engineers Station 23+55 to the West line of the Southeast quarter of the Southeast quarter in said section.