AGENDA

BOARD OF CLALLAM COUNTY COMMISSIONERS

223 East 4th Street Room 160

Port Angeles, Washington

Tuesday, April 9, 2024 – 10:00 a.m.

Board of Clallam County Commissioner meetings will also be available virtually at:

If you would like to participate in the meeting via Zoom audio only, call 253-215-8782 and use meeting ID: 875 561 7844 and passcode: 12345

If you would like to participate in the meeting via Zoom video conference, visit https://zoom.us/j/8755617844 and use meeting ID: 875 561 7844 and passcode: 12345

This meeting can be viewed on a live stream at this link: https://www.clallamcountywa.gov/669/Live-Archived-Meetings-Online

Public comment can be directed to the Clerk of the Board at 360-417-2256 or Loni.Gores@clallamcountywa.gov

CALL TO ORDER, PLEDGE OF ALLEGIANCE, ROLL CALL

REQUEST FOR MODIFICATIONS/APPROVAL OF AGENDA

PUBLIC COMMENT ? Please limit comments to three minutes (10 minutes total)

CONSENT AGENDA ? Any Commissioner may remove items for discussion

1a. Approval of vouchers for the week of April 1

Approval of vouchers

1b. Approval of minutes for the week of April 1

Approval of minutes

1c. Call for hearing to be held on Tuesday, April 24, 2024 at 10:30 a.m. regarding a resolution authorizing a grant from the Opportunity Fund to the City of Forks - Waste Water Treatment Facility

Call for hearing

REPORTS AND PRESENTATIONS

BIDS AND AWARDS

2a. Bid opening ? Lake Pleasant Piling Replacement Project

Bid opening

ADMINISTRATION

3a. Call for request for proposals/qualifications to be received no later than Tuesday, May 7, 2024 at 10 a.m. for Hearing Examiner Services

Call for proposals / qualifications

3b. Call for bids to be received no later than Tuesday, May 7, 2024 regarding Lower Dungeness River Floodplain Restoration and Levee Road Realignment Project Phase 3 ? 2024 Construction

Call for bids

Additional documents added 4-5-24 - Bid packet

PUBLIC COMMENT ? Please limit comments to three minutes

EXECUTIVE SESSION ? Apil 9, 2024 at 1 p.m.
The Board may recess into Executive Session to consider employment or dismissal of personnel, to review the performance of a public employee, to consult with legal counsel, to consider the position to be taken in collective bargaining, to consider acquisition or sale of real estate, or other matters per RCW 42.30.110

Executive Session

The following meetings are scheduled for the Board of Commissioners April 8 - 12:

Monday, April 8:
9:00 a.m. Work Session
12:00 p.m. WSAC Virtual Update

Tuesday, April 9:
10:00 a.m. Board Meeting
1:00 p.m. Executive Session

Wednesday, April 10:
8:00 a.m. Coffee with Colleen

Thursday, April 11:
1:00 p.m. KONP Radio Show

Friday, April 12:
4:00 p.m. KSQM Radio Show

INSTRUCTIONS FOR SPEAKING AT A COMMISSIONERS' MEETING:

- Members of the public wishing to address the Board on general items may do so during the designated times on the agenda.
- Members of the public wishing to comment at the public hearing are asked to sign in on the sheet provided giving their name and address.
- The Chair may limit the comment period to 3 minutes for each speaker subject to Board concurrence.
- Speakers, generally, will be heard in the order they signed up. All comments must be made from the speaker's rostrum and any individual making comments shall first state their name and address for the official record.
- General comments, applause, booing from members of the audience are inappropriate and may result in removal.

These guidelines are intended to promote an orderly system for conducting a public hearing so that each person has an opportunity to be heard and to ensure that exercising their right of free speech

embarrasses no one.

Note: Written testimony presented by members of the public during the Board meeting is considered a public document and must be submitted to the Clerk of the Board. Copies of public documents from Board meetings are available by contacting the Public Records Department.

1a

APR 04 2024

Date of report: April 3, 2024

General	**$88,470.89**
Other	**$292,088.98**
Total	**$380,559.87**

STATE OF WASHINGTON

County of Clallam

This is to certify that the foregoing Final Check Lists a.k.a., Register of Warrants for the period herein indicated, is a full, true, and correct representation of the corresponding payments for services rendered to and supplies and equipment received by all Clallam County government operations as recorded in the books or original entry maintained by this office.

WITNESS MY HAND AND OFFICIAL SEAL THIS _____ DAY OF _____ 2024.

COPY

_____ COUNTY AUDITOR
SHOONA RIGGS

CLALLAM COUNTY BOARD OF COMMISSIONERS does hereby certify that the services and merchandise herein specified have been received and that the claims listed and numbered above are hereby approved for payment:

BOARD OF COMMISSIONERS
CLALLAM COUNTY, WASHINGTON

_____
MIKE FRENCH, Chair

_____
RANDY JOHNSON

COPY

_____
MARK OZIAS

_____
TODD MIELKE, County Administrator

Weekly Expenditures

April 1 - 5, 2024

Fund #	Department	Expenditures		Use Tax	
		General Fund (GF)	Other Funds	General Fund (GF)	Other Funds
00100.221	**Auditor**	2,489.36			
	Commissioners (BOCC)				
19914.291	BOCC - Veterans Relief		950.00		
00100.331-334	**Dept. of Community Develop't (DCD)**	2,010.27		66.87	
00100.871	**District Court I**	1,530.79			
11301.511	**Health & Human Services (HHS)**		132.75		
00100.511	HHS - Environmental Health	755.92			
11322.511	HHS - Homeless Task Force		23,405.80		
11331.511	HHS - Developmental Disabilities		56,114.50		
00100.461	**Human Resources (HR)**	12,968.54			
50401.461	HR - Risk Management		23,702.74		
50501.461	HR - Workers Compensation		5,221.60		
00100.411	**Information Technology (IT)**	17,035.71			
00100.851	**Juvenile Services**	4,719.31			
13001/13051	**Noxious Weed/LMD #2** (Lake Mgmt. Dist.)		155.12		
00100.911/912	**Parks Fair Facilities (PFF)**	22,850.31		124.60	
30101.911	PFF - REET 1 (Real Estate Excise Tax)		1,829.52		
30501.911	PFF - Capital Projects		107.49		
00100.841-843	**Prosecuting Attorney**	3,826.38			
	Public Works (PW)				
10101.611	PW - Roads		22,036.92		
30401.331	PW - Dungeness Reservoir		97,653.03		
41401.611	PW - Clallam/Sekiu Sewer		4,152.74		
42401.611	PW - Carlsborg Sewer		11,994.28		
43401.611	PW - Bullman Beach Water System		326.39		
50301.611	PW - ER&R (Equip't Rental & Revolving)		11,061.63		
00100.811-815,817	**Sheriff**	10,303.75			
00100.816	Sheriff - Jail Medical	4,146.09			
11008.811	Sheriff - OPNET Drug		29,490.01		
11065.811	Sheriff - OPSCAN Operations		1,609.70		
11080.811	Sheriff - Inmate Commissary		1,969.47		175.29
00100.861	**Superior Court**	5,260.00			
00100.891	**Superior Court Clerk**	382.99			
	Total	**88,279.42**	**291,913.69**	**191.47**	**175.29**

VISA statement balance:	
Statement date:	

Report Reconciliation		Totals			
Total	**380,193.11**	**General Fund**	**88,470.89**		
Final Check Lists	**380,193.11**	**Other Non-GF**	**292,088.98**		
Difference	-	**VISA charges**	-		
		Total	**380,559.87**	**Use Tax**	**366.76**

Prepared by: COPY

Sara DeBiddle, Clallam County Auditor's Office

Invoice History Use Tax Report
CLALLAM COUNTY

Tran Date	Vendor Name	Invoice / Credit Memo No.	Doc Group	Taxable Amount	Tax Amount	Invoice Total
4/9/2024	INSIDE PASSAGE SEEDS	7421	lkennedy	751.30	66.87	751.30
4/9/2024	R J THOMAS MFG CO INC	270251	mearley	1,400.00	124.60	1,400.00
4/9/2024	SWANSONS SERVICES CORP.	1797908	jkoon	1,875.00	166.88	1,875.00
4/9/2024	SWANSONS SERVICES CORP.	1820288	jkoon	40.21	3.58	40.21
4/9/2024	SWANSONS SERVICES CORP.	1817737	jkoon	33.63	2.99	33.63
4/9/2024	SWANSONS SERVICES CORP.	1822075	jkoon	20.63	1.84	20.63
			Totals:	**4,120.77**	**366.76**	**4,120.77**

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000087	ANGELES ELECTRIC INC	21300	2/29/2024	3 CIRCUITS AND 3 OUTLETS	2,392.48	2,392.48
	4/9/2024	0001792	WILLIAMS, SANDY	Williams 3-20-24	3/20/2024	MILEAGE FOR TRAINING FOF	75.17	75.17
	4/9/2024	0044695	OSBORNE, JOHNATHAN TANN	Osborne 3-19-24	3/19/2024	MILEAGE FOR TRAINING SQ	21.71	21.71
						Sub total for U S BANK:		2,489.36

2,489.36+
2,010.22+
1,530.79+
80,408.97+
39,384.31+
2,508.57+
17,035.71+
4,719.31+
155.12+
24,787.32+
3,826.38+
11,061.63+
97,653.03+
22,036.92+
16,473.41+
43,372.93+
4,146.09+
5,260.00+
950.00+
382.99+
380,193.11*+

0.*
0.*

Final Check List
CLALLAM COUNTY

DCD

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0001140	OLYMPIC PRINTERS INC	34182	3/7/2024	ADMIN OFFICE SUPPLY	289.67	289.67
	4/9/2024	0002337	BAUMANN, CHERYL	BAUMANN 1-31·	1/31/2024	G133 SITE MONITORING INTI	111.00	
				BAUMANN 3-25·	3/25/2024	G133 1-31-29 SITE RENTAL DI	100.00	211.00
	4/9/2024	0038701	INSIDE PASSAGE SEEDS	7421	11/14/2023	G25 TASK 2 EDIZ HOOK SEEI	751.30	751.30
	4/9/2024	0046683	ODP BUSINESS SOLUTIONS L	357851980001	3/7/2024	ADMIN OPERATING SUPPLY	66.17	
				356038376001	3/7/2024	ADMIN OPERATING SUPPLY	33.03	
				356048705001	3/7/2024	ADMIN OFFICE SUPPLY	22.42	121.62
	4/9/2024	0046889	TUCKER, NICK	REF 2-9-24	3/8/2024	REFUND BPT2024-00105	400.00	400.00
	4/9/2024	0048812	HAVEL, TIM	HAVEL 2-15-24	2/15/2024	CE CODE COMPLIANCE SUM	137.15	137.15
	4/9/2024	0049361	HAGOOD, CHUCK	HAGOOD 2-15-2	2/15/2024	CE CODE COMPLIANCE SUM	35.53	35.53
	4/9/2024	0049633	MULLEN, THOMAS F	REF 1-23-24	3/21/2024	REFUND BPT2024-00050	64.00	64.00
						Sub total for U S BANK:		2,010.27

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0049146	NEPENTHE LABORATORY SV	3446	2/29/2024	DISTRICT COURT MENTAL HE	180.00	
				3445	2/29/2024	DISTRICT COURT PROBATIO	576.00	756.00
	4/9/2024	0021386	STAPLES ADVANTAGE	3562169631	3/16/2024	DISTRICT COURT MENTAL HE	72.30	72.30
	4/9/2024	0004977	JUDICIAL CONFERENCE REG	1234	3/22/2024	INCIDENTAL FEE FOR DMCM.	200.00	200.00
	4/9/2024	0003410	LEMAY MOBILE SHREDDING	483090S185	3/1/2024	SHREDDING FOR DC1	57.96	57.96
	4/9/2024	0040200	ROMERO, STACEY	romero1	3/25/2024	TRAVEL REIMBURSEMENT F(	444.53	444.53
						Sub total for U S BANK:		1,530.79

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/3/2024	0001002	MILLIPORE CORP	11215262	3/5/2024	WATER LAB - LAB SUPPLIES	679.80	
				11215253	3/5/2024	WATER LAB - LAB SUPPLIES	76.12	755.92
	4/9/2024	0033201	WESTSIDE PIZZA	WP 03-22-24	3/22/2024	HOPS - GROUP SUPPORT SU	132.75	132.75
	4/9/2024	0001433	SERENITY HOUSE OF CLALL/	11322-23-SHSA	3/21/2024	HTF - SHELTER FUNDING FO	21,832.08	
				11322-23-SHCM	3/21/2024	HTF - FAMILY SHELTER CASE	1,573.72	23,405.80
	4/9/2024	0000396	CONCERNED CITIZENS	1602068	2/29/2024	DDD - COMMUNITY INCLUSIC	28,000.00	
				1602067	1/31/2024	DDD - COMMUNITY INCLUSIC	24,000.00	
				11331-24-CC-CF	3/8/2024	DDD - CHILDFIND AND OUTR	2,746.00	
				11331-24-CC-BT	3/8/2024	DDD - BRIDGES TO THE FUTI	1,023.00	
				11331-24-CC-FA	3/8/2024	DDD - FUN ACTIVITIES AND C	345.50	56,114.50
						Sub total for U S BANK:		80,408.97

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000315	CIMA COMPANIES INC	WAPORT8 24-2!	3/28/2024	CIMA VOL POL 24-25 WAPOR	17,992.88	17,992.88
	4/9/2024	0000546	EXPRESS SERVICES, INC	30482328	3/28/2024	PUBLIC RECORDS ANALYST	435.49	435.49
	4/9/2024	0001297	PUBLIC SAFETY TESTING INC	PSTAC23-76	3/28/2024	CCSO SGT ASMT 11/2023	10,186.97	
				PSTI23-349	3/28/2024	PRE EMPLOYMENT	3,680.75	
				2024-182	3/28/2024	PRE EMPLOYMENT	273.00	14,140.72
	4/9/2024	0034245	CASTLE BRANCH INC	0921067-IN	3/28/2024	PRE EMPLOYMENT	746.25	746.25
	4/9/2024	0044157	HELMSMAN MANAGEMENT S\	151482	3/28/2024	SELF-INS W/C ADMIN	5,221.60	5,221.60
	4/9/2024	0047764	ID WHOLESALER	7239901	3/28/2024	SECURITY SOFTWARE MAIN	847.37	847.37
						Sub total for U S BANK:		39,384.31

Final Check List
CLALLAM COUNTY

HR LEOFF

Bank : apbank U S BANK

Check #	Date	Vendor	Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000522	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 DE	164.90	164.90
	4/9/2024	0002036	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 DL	164.90	164.90
	4/9/2024	0002038	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 DR	626.55	626.55
	4/9/2024	0002042	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 RC	339.55	339.55
	4/9/2024	0002047	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 RS	148.50	148.50
	4/9/2024	0022748	LEOFF MAR 24	3/28/2024	LEOFF MAR 24 FD	1,064.17	1,064.17
					Sub total for U S BANK:		2,508.57

redacted

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0001828	NIKOLA ENGINEERING INC	48825	3/28/2024	IT20240221B - 12 MONTHS IN	5,108.40	5,108.40
	4/9/2024	0004211	CENTURYLINK	334065313-0328	3/28/2024	FORKS TO FORKS T-1	334.50	
				406389122-3282	3/28/2024	FORKS SHERIFF #2	330.36	
				300511193-0328	3/28/2024	FORKS COURTROOM FAX	77.24	
				333897640-0328	3/28/2024	JUVIE COURTROOM FAX	76.85	
				406493163-0328	3/28/2024	PENCOM RINGDOWN	75.60	
				300561295-0328	3/28/2024	CLALLAM BAY DISPATCH	72.35	
				334055826-0328	3/28/2024	JUVIE PHONE SWITCH	70.24	
				333800655-0328	3/28/2024	PA SHOP PHONE SWITCH	70.24	1,107.38
	4/9/2024	0023718	AT&T	3604574397-032	3/28/2024	JUVIE COURTROOM FAX LOI	49.72	49.72
	4/9/2024	0038944	ARCHIVE SOCIAL INC	296343	3/28/2024	IT20240327 - ARCHIVE SOCIA	6,520.93	6,520.93
	4/9/2024	0041047	ZOHO CORPORATION	2399609	3/28/2024	IT20240322 - OP MANAGER	4,249.28	4,249.28
						Sub total for U S BANK:		17,035.71

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0002030	WAJCA, ANGIE HOLLIS TREA	JDM-SPRING 2(	3/22/2024	REGISTRATION	100.00	100.00
	4/9/2024	0003971	SAFEWAY	032224EB	3/22/2024	RESTITUTION	5.00	5.00
	4/9/2024	0026600	JEFFERSON COUNTY PUBLIC	02292024	2/29/2024	PRO SVCS	2,112.24	
				01312024	1/31/2024	PRO SVCS	1,663.64	3,775.88
	4/9/2024	0041147	AMERIGAS PROPANE LP	3162322412	3/21/2024	UTILITIES	764.11	764.11
	4/9/2024	0041605	HOME DEPOT PRO	796282614	3/25/2024	DET SUPPLIES	74.32	74.32
						Sub total for U S BANK:		4,719.31

Final Check List
CLALLAM COUNTY

Nox Weeds

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0046816	ST JOHN, CHRISTINA	St John2024 3-2	3/22/2024	TOOLS FOR VOLUNTEER FEI	155.12	155.12
						Sub total for U S BANK:		155.12

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000034	AIR FLO HEATING CO	106153586	3/28/2024	2302FAC CH VAV SYST PRES	1,829.52	1,829.52
	4/9/2024	0000091	ANGELES MILLWORK & LUMB	349570	3/28/2024	SC CONCRETE FOR BENCH I	24.08	
				349073	3/28/2024	JAIL WALL ANCHOR	23.72	
				349816	3/28/2024	SC PVC ADAPTER COUPLING	14.73	
				349284	3/28/2024	SMPK HDG STAPLES POST C	11.08	
				349043 credit	3/28/2024	JV GABLE VENT CREDIT RET	-65.88	7.73
	4/9/2024	0000206	BLUE MOUNTAIN TREE SERV	13523	3/28/2024	RH TREE REMOVAL	651.60	651.60
	4/9/2024	0000290	CED/STUSSER - SEATTLE	5948-1051385	3/28/2024	SC PLUMBING PARTS FOR H	113.94	
				5948-1051337	3/28/2024	SC ELECTRICAL PARTS FOR	36.32	150.26
	4/9/2024	0000359	CLALLAM COUNTY PUBLIC W	2024.055e	3/28/2024	JV DRA SC SMPK FG JAN FE	268.68	268.68
	4/9/2024	0000561	FERGUSON ENTERPRISES IN	2435200	3/28/2024	SC PLUMBING PARTS FOR H	640.27	640.27
	4/9/2024	0000677	GRAINGER INC	9056453187	3/28/2024	DRA TRAP INSERT SEALANT	623.48	
				9059653759	3/28/2024	CH CABLE TIE ADHESIVE	173.70	
				9056453195	3/28/2024	CH BUMPER BLACK RUBBER	19.78	816.96
	4/9/2024	0001198	PART WORKS INC, THE	INV104215	3/28/2024	JAIL PUSH BUTTON ASSMBL	765.64	765.64
	4/9/2024	0001203	PEN PRINT INC	39731	3/28/2024	DRA SC 10,000 CAMP FEE EN	2,611.20	
				39732	3/28/2024	2304PR LK PLSNT IMP PLANS	107.49	2,718.69
	4/9/2024	0001253	PORT ANGELES SOLID WAST	1195244	3/28/2024	CH DUMP FEE	178.14	
				1190832	3/28/2024	CH BOCC DUMP FEE	163.50	
				1193159	3/28/2024	CH DUMP FEE	32.96	
				1195385	3/28/2024	CH DUMP FEE	21.96	
				1191073	3/28/2024	SMPK VS TRAIL DUMP FEE	19.52	
				1191922	3/28/2024	RH RESIDENCE DUMP FEE	12.20	428.28
	4/9/2024	0001258	PORT ANGELES POWER EQU	98002932	3/28/2024	RH HAND GUARD HANDLEBA	104.23	104.23
	4/9/2024	0001540	SWAIN'S GENERAL STORE IN	325382	3/28/2024	CDJ W SWETLOW 2 WORKP/	97.73	
				325195	3/28/2024	CH COBAT BITS	11.48	109.21
	4/9/2024	0001573	THOMAS BUILDING CENTER I	31021653	3/28/2024	DRA CARB GUAGE FILE SAW	173.12	
				31021657	3/28/2024	DRA GASKET	4.33	177.45
	4/9/2024	0001576	THURMAN SUPPLY	896012	3/28/2024	JV 2" STEEL PIPE GALVANIZE	256.73	
				896015	3/28/2024	JV 2" CAP GAVANIZED	22.08	278.81
	4/9/2024	0001862	SAFEGUARD BUSINESS SYST	9004266227	3/28/2024	FG OTC CASH RECEIPT C/R .	1,223.17	1,223.17
	4/9/2024	0002252	R J THOMAS MFG CO INC	270251	3/28/2024	DRA 3 FIRE RINGS W GRATE	1,400.00	1,400.00
	4/9/2024	0003418	LAUREL BLACK DESIGN, INC.	12195	3/28/2024	DRA SMPK CDJ SC 12,500 BR	3,188.44	3,188.44
	4/9/2024	0003431	HI-TECH SECURITY, INC.	100514	3/28/2024	CH REPLACE BATTERIES FIR	816.75	816.75

Bank : apbank U S BANK (Continued)

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0006434	WRAY, RIC	Sportman Whs1	3/28/2024	FG ICE SCOOP REIMBURSEM	21.83	21.83
	4/9/2024	0024320	LEO'S FLOORING	LEO 03.12.24	3/28/2024	JV FLOORING REPAIR	479.00	479.00
	4/9/2024	0025092	PIERCE, SUSAN	WWWC 11 2023	3/28/2024	SMPK WWWC SNACK REIMB	60.46	60.46
	4/9/2024	0037116	ASSA ABLOY ENTRANCE SYS	sei 1723711	3/28/2024	CH SLIDER DOOR SERVICE	536.94	536.94
	4/9/2024	0041295	C & C TIMBER INC	4415	3/28/2024	DRA 234 BUNDLES FIREWOC	1,111.50	1,111.50
	4/9/2024	0041605	HOME DEPOT PRO	796057909	3/28/2024	DRA SPONGE BROOM BATH	1,700.56	
				796517712	3/28/2024	CIB/WSU MOP FRAME DUST	501.85	
				794913590	3/28/2024	FG METERED DISP BGE AER	228.89	
				795137314	3/28/2024	FG METERED DISP BGE AER	200.33	
				796517704	3/28/2024	CH LINER	70.96	
				795137298	3/28/2024	FG METERED DISP BGE AER	-228.89	2,473.70
	4/9/2024	0041765	CALL LUKE LLC	4293	3/28/2024	CH OUTSIDE PERIMETER PE	243.94	
				4294	3/28/2024	3RD ST OUTSIDE PERIMETEI	108.90	352.84
	4/9/2024	0044095	STRAIT WATER MANAGEMEN	2024006	3/28/2024	CDJ WATER MANAGEMENT S	420.00	420.00
	4/9/2024	0048297	JAMES MONROE LLC	032724b	3/28/2024	JV PROVIDE INSTALL DIGITAI	3,755.36	3,755.36
						Sub total for U S BANK:		24,787.32

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000546	EXPRESS SERVICES, INC	30466934	3/28/2024	JOHN TROBERG	906.64	
				30482334	3/28/2024	JOHN TROBERG	259.04	
				30509766	3/28/2024	JOHN TROBERG	323.80	1,489.48
	4/9/2024	0000890	LANGUAGE LINE SERVICES, I	11238560	3/28/2024	LANGUAGE LINE	10.18	10.18
	4/9/2024	0001252	PORT ANGELES, CITY OF	74359-155474 3/	3/28/2024	UTILITIES FOR FAMILY SUPP(	246.14	246.14
	4/9/2024	0021298	STEVENS COUNTY SHERIFFS	240120	3/28/2024	PERSONAL SERVICE FEE	74.48	74.48
	4/9/2024	0032090	WOJNOWSKI, CHRISTI	WOJNOWSKI3/2	3/28/2024	CORONER TRAINING REIMBU	466.83	466.83
	4/9/2024	0046683	ODP BUSINESS SOLUTIONS L	357412340001	3/28/2024	OFFICE SUPPLIES	164.52	
				354917515001	3/28/2024	OFFICE SUPPLIES	216.93	
				354918284001	3/28/2024	OFFICE FURNITURE	184.78	566.23
	4/9/2024	0047010	HAMLIN, ROBERT	29241	3/28/2024	PROCESS SERVICE FEE	435.00	435.00
	4/9/2024	0049630	ORLEANS COUNTY SHERIFFS	ORLEANS3/28/2	3/28/2024	PERSONAL SERVICE	150.00	150.00
	4/9/2024	0049638	SPRINGFIELD, ERIC	SPRINGFIELD3/	3/28/2024	DUI TRAINING	388.04	388.04
						Sub total for U S BANK:		3,826.38

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000592	FORKS AUTO ELECTRIC	961761	1/19/2024	Repair - LC 165	163.66	163.66
	4/9/2024	0017663	ARAMARK UNIFORM SVCS IN	5120435593	3/26/2024	Laundry Services - PA	21.30	
				5120437423	3/28/2024	Laundry Services - SQ	16.34	
				5120435579	3/26/2024	Laundry Services - WE	16.28	53.92
	4/9/2024	0043469	PETROCARD	0514428-IN	3/20/2024	Unleaded, Dyed Diesel - LC	10,844.05	10,844.05
						Sub total for U S BANK:		11,061.63

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0036990	ANCHOR QEA LLC	23516	3/18/2024	DUNGENESS RESERVOIR CC	97,653.03	97,653.03
						Sub total for U S BANK:		97,653.03

Public Works (3)

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000023	ADVANCED TRAVEL	LAUBACHREIM	3/19/2024	REAVEL REIMBURSEMEMNT	118.00	
				MCELROYREIM	3/19/2024	TRAVEL REIMBURSEMEMNT	118.00	
				TWIGHTREIMT	3/19/2024	TRAVEL REIMBURSEMEMNT	118.00	354.00
	4/9/2024	0000091	ANGELES MILLWORK & LUMB	350133	3/28/2024	MAINTENENACE SUPPLIES	141.70	
				349709	3/21/2024	MAINTENANCE SUPPLIES-TR	51.68	
				349945	3/26/2024	MAINTENEANCE SUPPLIES-	15.68	209.06
	4/9/2024	0000366	CLALLAM COUNTY TREASUR	SCP21003-2	3/27/2024	EXCISE TAX AFFIDAVIT HOK	259.65	259.65
	4/9/2024	0000546	EXPRESS SERVICES, INC	30509767-10101	3/27/2024	EXPRESS EMPLOYMENT 03/	2,842.34	2,842.34
	4/9/2024	0000677	GRAINGER INC	9059878216	3/20/2024	MAINTENENACE SUPPLIES-F	113.20	113.20
	4/9/2024	0001300	PUBLIC UTILITY DISTRICT	110606-032024	3/20/2024	02/15-03/19 SCENIC OVERLO	121.78	121.78
	4/9/2024	0001540	SWAIN'S GENERAL STORE IN	325404	3/27/2024	OFFICE SUPPLIES	26.10	26.10
	4/9/2024	0001740	WSU EXTENSION OF CLALLA	NOXWDS1123-2	3/26/2024	ST JOHN WEED CONTROL	3,489.00	3,489.00
	4/9/2024	0003716	MCELROY, PATRICK	REIMMCELRAD	3/22/2024	MCELROY ADVANCE TRAVEL	14.75	14.75
	4/9/2024	0004981	GREENE PROPERTIES, LLC	SCP201003-1	3/19/2024	LAND PURCHASE HOKO OZE	14,306.00	14,306.00
	4/9/2024	0017663	ARAMARK UNIFORM SVCS IN	5120435592	3/26/2024	LAUNDRY SERVICE PA	16.34	
				5120435580	3/26/2024	LAUNDRY SERVICE LC	16.30	32.64
	4/9/2024	0026957	LEITZ FARMS INC	89619	3/25/2024	MAINTENENACE SUPPLIES -	238.90	238.90
	4/9/2024	0049634	LAUBACH, BONNIE	ADVTRALAUBA	3/22/2024	LAUBACH ADVANCE TRAVEL	14.75	14.75
	4/9/2024	0049635	TWIGHT, DARBY	REIMTWIGHTAI	3/22/2024	TWIGHT ADVANCE TRAVEL R	14.75	14.75
						Sub total for U S BANK:		22,036.92

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0029528	ADVANCED ANALYTICAL SOLI	35883	3/19/2024	ADVANCED ANALYTICAL SOL	105.30	105.30
	4/9/2024	0000074	AM TEST, INC.	139062	3/20/2024	WWTP SAMPLE TESTING	500.00	500.00
	4/9/2024	0000331	CLALLAM COUNTY AUDITOR	24-16150141401	3/27/2024	LEIEN RELEASE CLALLAM BA	162.00	162.00
	4/9/2024	0043863	CUMMINS SALES AND SERVIC	01-11988	2/26/2024	WWTP MAINTENENACE SUPI	395.44	395.44
	4/9/2024	0020614	WOOD HAWK, INC	2094	3/27/2024	WASTE TRANSFER SERVICE	2,990.00	2,990.00
	4/9/2024	0004211	CENTURYLINK	4574719031524	3/15/2024	03/24 360-457-4719	88.67	88.67
	4/9/2024	0000331	CLALLAM COUNTY AUDITOR	24-16150142401	3/27/2024	LEIEN RELEASE CARLSBORC	36.00	36.00
	4/9/2024	0001426	SEQUIM, CITY OF	4405.0.032224S	3/22/2024	03/24 REGIONAL SEWER USA	11,869.61	11,869.61
	4/9/2024	0000331	CLALLAM COUNTY AUDITOR	24-16150143401	3/27/2024	LEIEN RELEASE BULLMAN BI	18.00	18.00
	4/9/2024	0000546	EXPRESS SERVICES, INC	30509767-43401	3/27/2024	EXPRESS 03/18-03/24 CROS	308.39	308.39
						Sub total for U S BANK:		16,473.41

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0000159	BOB BARKER CO INC	#RMA5681	9/18/2023	RETURN & RESTOCKING FEE	444.71	444.71
	4/9/2024	0000628	GALLS LLC	027328323	3/11/2024	UNIFORM & DUTY GEAR- DEI	713.60	
				027328320	3/11/2024	UNIFORM - BUNDY	54.28	
				027352321	3/13/2024	UNIFORM - KING	217.78	
				027373739	3/14/2024	UNIFORM - SHORE	113.25	
				27391996	3/18/2024	UNIFORM - HEINER	173.16	
				027392052	3/18/2024	UNIFORM - HEINER	88.96	
				027391993	3/18/2024	UNIFORM - HAMILTON	66.70	
				027392051	3/18/2024	UNIFORM - HAMILTON	66.70	
				027392059	3/18/2024	DUTY GEAR - HAGERTY	19.55	
				027391995	3/18/2024	UNIFORM - DEMOREST	94.75	
				027392050	3/18/2024	UNIFORM - DEMOREST	78.41	
				025718008	9/20/2023	UNIFORM - BRAZIER	124.57	
				026902573	1/26/2024	UNIFORM - SHORE	153.55	
				026920436	1/29/2024	DUTY GEAR - SHORE	79.50	
				027019695	2/7/2024	UNIFORM - SHORE	66.70	
				027096022	2/15/2024	DUTY GEAR - GONZALES	14.69	
				027274183	3/5/2024	DUTY GEAR - HAMILTON	133.72	
				027297261	3/6/2024	UNIFORM - SHORE	226.49	
				027310560	3/8/2024	UNIFORM - SHORE	158.46	
				027328322	3/11/2024	UNIFORM & DUTY GEAR- HEI	681.77	3,326.59
	4/9/2024	0001165	ORKIN PEST CONTROL INC	257814172	3/26/2024	PEST CONTROL - SLIP POINT	168.32	168.32
	4/9/2024	0001543	SWANSONS SERVICES CORP	1797908	1/11/2024	COMMISSARY ITEMS FOR INI	1,875.00	
				1817737	3/7/2024	INDIGENT PACKS	33.63	
				1820288	3/14/2024	INDIGENT PACKS	40.21	
				1822075	3/21/2024	INDIGENT PACKS	20.63	1,969.47
	4/9/2024	0001641	VERIZON WIRELESS	9959281742	3/15/2024	CELL PHONE SERVICE	3,707.90	3,707.90
	4/9/2024	0001828	NIKOLA ENGINEERING INC	48824	3/21/2024	END POINTS3/1/240-03/31/24	1,179.20	1,179.20
	4/9/2024	0002929	WA ST TREASURER, ATTN: S	032724	3/27/2024	TEN PERCENT TO WA ST TRI	29,351.64	29,351.64
	4/9/2024	0004211	CENTURYLINK	206-Z14-0050-M	3/14/2024	TELEPHONE SERVICE	77.04	
				206-T01-0387-M	3/16/2024	DATA CONNECTION	336.06	
				333728002-Mar2	3/15/2024	TELEPHONE SERVICE	76.85	
				333800494	3/15/2024	TELEPHONE SERVICE	76.85	566.80
	4/9/2024	0006863	DATEC INC	62997	3/19/2024	THERMAL PAPER ROLLS	201.29	201.29

Bank : apbank U S BANK (Continued)

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0028699	SOUND PUBLISHING INC	PDN985995	10/31/2023	LEGAL INVOICE - INVITATION	76.36	76.36
	4/9/2024	0029266	NI GOVERNMENT SERVICES I	24022909221	3/10/2024	SATELLITE PHONE SERVICE	51.28	51.28
	4/9/2024	0033486	LN CURTIS & SONS INC	INV803632	3/20/2024	UNIFORM - LIM	250.33	
				INV804478	3/22/2024	UNIFORM - GONZALES	67.35	
				INV804472	3/22/2024	UNIFORM - WHITE	67.35	
				INV804448	3/22/2024	UNIFORM - SISK	67.35	
				INV804444	3/22/2024	UNIFORM - BAUCK	67.35	
				INV804412	3/22/2024	UNIFORM - CLERICI	67.35	
				INV804436	3/22/2024	UNIFORM - LANDGREN	60.88	
				INV804411	3/22/2024	UNIFORM - PORTNER	67.35	715.31
	4/9/2024	0041605	HOME DEPOT PRO	793990862	3/11/2024	KITCHEN SUPPLIES	184.94	
				794239053	3/12/2024	JAIL SUPPLIES	55.68	
				794298471	3/13/2024	KITCHEN EQUIPMENT	693.31	933.93
	4/9/2024	0046669	SCHNEIDER ELECTRIC BUILD	003631	1/30/2024	LABOR SERVICE NONCONTR	235.22	
				003630	1/30/2024	LABOR SERVICE NONCONTR	235.22	470.44
	4/9/2024	0046683	ODP BUSINESS SOLUTIONS L	356484312001	3/7/2024	OFFICE SUPPLIES - JAIL	56.40	
				358331880001	3/15/2024	OFFICE SUPPLIES - JAIL	60.94	
				358353065001	3/15/2024	OFFICE SUPPLIES - JAIL	26.45	
				358221126001	3/19/2024	OFFICE SUPPLIES - JAIL	65.90	209.69
						Sub total for U S BANK:		43,372.93

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/16/2024	0001136	OLYMPIC MEDICAL CENTER	OMC-3.28.24	3/28/2024	INMATE MEDICAL	2,925.75	2,925.75
	4/16/2024	0025115	RADIA INC PS	ZBUDGWM	3/9/2024	INMATE MEDICAL	4.93	
				ZBU1PG1	3/5/2024	INMATE MEDICAL	23.54	
				ZBU1PGF	3/5/2024	INMATE MEDICAL	27.14	
				ZBU1PHV	3/5/2024	INMATE MEDICAL	23.35	78.96
	4/16/2024	0041537	MCKESSON MEDICAL-SURGI	21781611	3/5/2024	INMATE MED AND CLINIC SUI	430.43	
				21865719	3/20/2024	INMATE MED AND CLINIC SUI	264.44	694.87
	4/16/2024	0048022	SOUND INPATIENT PHYSICIAN	ZBUHBPP	3/9/2024	INMATE MEDICAL	105.91	
				ZBUU3TM	3/8/2024	INMATE MEDICAL	74.97	
				ZBUU3TF	3/8/2024	INMATE MEDICAL	72.89	
				ZBTZAGY	2/8/2024	INMATE MEDICAL	114.16	
				ZBTUKB4	3/5/2024	INMATE MEDICAL	78.58	446.51
						Sub total for U S BANK:		4,146.09

Superior Court

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0040427	NORPOINT GROUP LLC	1352 NPG	3/29/2024	MARCH 2024 (2) PAYROLL (C(	5,260.00	5,260.00
						Sub total for U S BANK:		5,260.00

Final Check List
CLALLAM COUNTY

Clerk

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/9/2024	0027983	HYLAND SOFTWARE INC	LE01-341541	3/28/2024	EAC E-FILING 2/15/24 - 3/15/2	294.55	294.55
	4/9/2024	0049587	PORTER, CHARDONNEY	CHARTRAVEL F	3/28/2024	CLERK TRAVEL FEB/MARCH :	88.44	88.44
						Sub total for U S BANK:		382.99

Final Check List
CLALLAM COUNTY

Veterans

Bank : apbank U S BANK

Check #	Date	Vendor		Invoice	Inv Date	Description	Amount Paid	Check Total
	4/1/2024	0020849	U S BANK	BR8834 3/27/24	3/27/2024	FOOD	150.00	
				KR4397 3/27/24	3/27/2024	FOOD	150.00	
				SB4722 3/27/24	3/27/2024	FOOD	150.00	
				SD3429 3/27/24	3/27/2024	FOOD	150.00	
				WG6056 3/27/24	3/27/2024	FOOD	150.00	
				BD8762 3/27/24	3/27/2024	FOOD	100.00	
				MR0685 3/27/24	3/27/2024	FUEL	100.00	950.00
							Sub total for U S BANK:	950.00

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BOARD of CLALLAM COUNTY COMMISSIONERS

MINUTES for the week of April 1–5, 2024 APR 09 2024

WORK SESSION – 9 a.m.

The work session convened at 9 a.m., Monday, April 1, 2024. Present were Commissioners Ozias, Johnson and French, and Administrator Mielke.

Items of discussion per the agenda published March 28 were:

- Calendar/Correspondence
- Pre-application questionnaire with Department of Commerce for Home Electrification and Appliance Rebate Program
- Call for request for proposals/qualifications to be received no later than Tuesday, May 7, 2024 at 10 a.m. for Hearing Examiner Services
- Review the "How Did We Do" reports comparing each month's actual performance
- Towne Road update and a request to call for bids to be received no later than Tuesday, May 7, 2024 regarding Lower Dungeness River Floodplain Restoration and Levee Road Realignment Project Phase 3 – 2024 Construction

Meeting concluded at 1 p.m.

REGULAR MEETING OF THE BOARD OF CLALLAM COUNTY COMMISSIONERS

Commissioner Ozias called the meeting to order at 10 a.m., Tuesday, April 2, 2024. Also present were Commissioner Johnson and Administrator Mielke. Commissioner French was excused.

REQUEST FOR MODIFICATIONS/APPROVAL OF AGENDA

ACTION TAKEN: CRJm to adopt the agenda as presented, CMOs, mc

PUBLIC COMMENT

- John Worthington, Sequim, commented on items 1d and 1h
- Ed Bowen, Clallam Bay, commented on item1e and 3a

CONSENT AGENDA

1a Approval of vouchers for the week of March 25
1b Approval of payroll for the period ending March 15
1c Approval of minutes for the week of March 25
1d Proclamation Recognizing Food Waste Prevention Week
1e Call for hearing to be held no Tuesday, April 16, 2024 at 10:30 a.m. for the Parks and Recreation Master Plan Amendment
1f Call for hearing to be held on Tuesday, April 16, 2024 at 10:30 a.m. regarding the Federal Surface Transportation Block Grant STBG program
1g Resolution for appointments and designations of/for each member of County of the Washington Counties Risk Pool
1h Resolution appointing LaTrisha Suggs and Andrew Schwab to the Solid Waste Advisory Committee

ACTION TAKEN: CRJm to adopt the consent agenda as presented, CMOs, mc

REPORTS AND PRESENTATIONS

- CMO read the Proclamation Recognizing Food Waste Prevention Week
  - Benji Astrachan, Washington State University, provided comments
- CRJ commented on Vietnam Veterans Day Ceremony
- CMO commented on Washington State Association of Counties Director, Heathcare Authority, North Olympic Development Council, small water systems

DRAFT

CONTRACTS AND AGREEMENTS

2a Agreement with Peninsula Daily News for Legal Advertising July 1, 2024 – June 30, 2025
ACTION TAKEN: CRJm to approve, CMOs, mc

2b Agreement with the City of Forks for law enforcement services
ACTION TAKEN: CRJm to approve, CMOs, mc

HEARING(S)

H1 Resolution on the proposed vacation of undeveloped right of way – North Honeycomb
- Joe Donisi and Linda Capps, Road Department, provided a staff report

ACTION TAKEN: CRJm to open the public hearing, CMOs, mc
- No one provided testimony

ACTION TAKEN: CRJm to close the public hearing and adopt, CMOs, mc

BIDS AND AWARDS

3a Proposal opening – Lower Elwha River Channel Migration CMZ Delineation
CONTRACTOR
Natural System Design

ACTION TAKEN: CRJm to forward the bids to the Department of Community Development for review and recommendation to the Board of Commissioners, CMOs, mc

ADMINISTRATION

4a Call for bids to be received no later than Tuesday, April 23, 2024 at 10 a.m. for Art Barn Roof Replacement project

ACTION TAKEN: CRJm to issue notice, CMOs, mc

COMMUNITY DEVELOPMENT

5a Call for request for bids to be received no later than Tuesday, May 7, 2024 at 10 a.m. regarding the McDonald Creek Irrigation and Fish Passage Improvement project

ACTION TAKEN: CRJm to issue notice, CMOs, mc

PUBLIC COMMENT

- Paul Hansen, Sequim, commented on Towne Road
- Josie Gosner, Sequim, commented on Towne Road
- Liam Antrim, Sequim, commented on Towne Road
- Pam Maurides, Sequim, commented on Towne Road
- James Robbins, Sequim, commented on Towne Road
- Ed Bowen, Clallam Bay, commented on policy on virtual attendance, item 3a and timber trust lands
- Elizabeth Bain, Sequim, commented on Towne Road
- Margaret Walthall, Sequim, commented on Towne Road (see attached)
- Emma Yeaman, Seattle, commented on Towne Road
- Tim Wheeler, Sequim, commented on Towne Road
- Bill Biery, Sequim, commented on Towne Road (see attached)
- Jamie Porter, Sequim, commented on Towne Road
- Jim Stoffer, Sequim, commented on Towne Road
- Derrick Eberle, Sequim, commented on Towne Road
- Patty Eaton, Sequim, commented on Towne Road
- Rebecca Horst, Sequim, commented on Towne Road
- Trina Berg, Sequim, commented on Towne Road
- John Worthington, Sequim, commented on Towne Road

DRAFT

- Pepai Whipple, Sequim, commented on Towne Road
- Eric Fehrman, Sequim, commented on Towne Road
- Chad Kaiser, Sequim, commented on Towne Road
- Nola Leyde, Sequim, commented on Towne Road
- David Kelm, Sequim, commented on Towne Road
- Chuck Main, Sequim, commented on Towne Road (see attached)
- Rae Haselbach., Sequim, commented on Towne Road
- Karen Hubert, Sequim, commented on Towne Road
- Jeff Tozzer, Sequim, commented on the Vietnam Veterans Day Ceremony
- Peter Steadman, Port Angeles, commented on trust lands, Elwha
- Emily Beals, Sequim, commented on Towne Road
- Bri Eberle, Sequim, commented on Towne Road (see attached)
- Rick Rhoads, Sequim, commented on manufactured housing
- Kristy Campbell, Sequim, commented on Towne Road

Meeting concluded at 12:04 p.m. and continued to 9 a.m., Monday, April 8, 2024

The Board of Commissioners attended WSAC Virtual Update, Coffee with Colleen, Housing Solutions Committee, and North Olympic Land Trust Annual Breakfast during the week of April 1.

PASSED AND ADOPTED this 9th day of April 2024.

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mike French, Chair

ATTEST: Randy Johnson

Loni Gores, MMC, Clerk of the Board Mark Ozias

KEY TO ABBREVIATIONS:

ATM	Administrator Todd Mielke	m	moved
CMO	Commissioner Mark Ozias	mc	motion carried
CRJ	Commissioner Randy Johnson	s	seconded
CMF	Commissioner Mike French		

DRAFT

BOCC Mail Correspondences Received from other Jurisdictions

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
OLYMPIC PENINSULA AGENCY
2707 COLBY AVENUE
SUITE 1101
EVERETT, WA 98201

RECEIVED
CLALLAM CO. COMMISSIONERS
MAR 25 2024
1...2...3...A...

IN REPLY REFER TO:
Real Estate Services
TR-4609-P5

Case Number: 56249

NOTICE OF NON-GAMING LAND ACQUISITION APPLICATION

Pursuant to the Code of Federal Regulations, Title 25, INDIANS, 151.10 On-Reservation, notice is given of the application filed by the JAMESTOWN S'KLALLAM TRIBE to have real property accepted "in trust" for said applicant by the United States of America. The determination whether to acquire this property "in trust" will be made in the exercise of discretionary authority which is vested in the Secretary of the Interior, or his authorized representative, U.S. Department of the Interior. To assist us in the exercise of that discretion, we invite your comments on the proposed acquisition. In order for the Secretary to assess the impact of the removal of the subject property from the tax rolls, and if applicable to your organization, we also request that you provide the following information:

(1) If known, the annual amount of property taxes currently levied on the subject property allocated to your organization;
(2) Any special assessments, and amounts thereof, that are currently assessed against the property in support of your organization;
(3) Any governmental services that are currently provided to the property by your organization; and
(4) If subject to zoning, how the intended use is consistent, or inconsistent, with the zoning.

We provide the following information regarding this application:

Applicant:

JAMESTOWN S'KLALLAM TRIBE

Legal Land Description/Site Location:

See "Exhibit A" for legal descriptions.

Project Description/Proposed Land Use:

The property is currently used for office space and storage for maintenance workers and will continue after the property is transferred into trust status.

NOLA@01

Office Codes: P,P,06,129 AD Number: 4200432128 Case: 56249

As indicated above, the purpose for seeking your comments regarding the proposed trust land acquisition is to obtain sufficient data that would enable an analysis of the potential impact on local/state government, which may result from the removal of the subject property from the tax roll and local jurisdiction.

This notice does not constitute, or replace, a notice that might be issued for the purpose of compliance with the National Environmental Policy Act (NEPA) of 1969.

Your written comments should be addressed to the Bureau of Indian Affairs office listed at the top of this notice. Any comments received within thirty days of your receipt of this notice will be considered and made a part of our record. You may be granted one thirty day extension of time to furnish comments, provided you submit a written justification requesting such an extension within thirty days of receipt of this letter. Additionally, copies of all comments will be provided to the applicant for a response. You will be notified of the decision to approve or deny the application.

If any party receiving the enclosed notice is aware of additional governmental entities that may be affected by the subject acquisition, please forward a copy to said party.

A copy of the application, excluding any documentation exempted under the Freedom of Information Act (FOIA), is available for review at the above address. A request to make an appointment to review the application, or questions regarding the application, may be directed to the Olympic Peninsula Agency Office attention: Monica Dahrens, Realty Specialist, (360) 614-5883.

Sincerely,

Digitally signed by
JANINE VAN DUSEN
Date: 2024.03.20
12:02:27 -07'00'

Janine Van Dusen, Acting Superintendent Olympic Peninsula Agency

Enclosure(s)

NOLAQ01

Office Codes: P,P,06,129 AD Number: 4200432128 Case: 56249

CC:

BY CERTIFIED MAIL:

CLALLAM COUNTY COMMISSIONERS
CLALLAM COUNTY
223 EAST FOURTH STREET, SUITE 4
PORT ANGELES, WA 98362
Certified Mail ID: 7020 0640 0002 1037 0974

BY FIRST CLASS MAIL:

Case Number: 56249

Applicant Name: JAMESTOWN S'KLALLAM TRIBE

LEGAL DESCRIPTION EXHIBIT A

Tract ID:

Tract Name: GOLF COURSE II PROPERTY

Land Area	Land Area Name	Tract Number	LTRO	Region	Agency	Resources
129	JAMESTOWN KLALLAM (CLALLAM)		PORTLAND, OR	NORTHWEST REGIONAL OFFICE	OLYMPIC PENINSULA AGENCY	Both (Mineral and Surface)

Section	Township	Range	State	County	Meridian	Legal Description	Acres
3	030.00N	004.00W	WASHINGTON	CLALLAM	Willamette		1.960

METES AND BOUNDS: LOT 3 OF SCHMITTROTH SHORT PLAT, RECORDED JANUARY 28, 1992 IN VOLUME 23 OF SHORT PLATS, PAGE 11, UNDER CLALLEM COUNTY RECORDING NO. 663191, BEING A SHORT PLAT OF A PORTION OF TOWNSHIP 30 NORTH, RANGE 4 WEST, W.M., CLALLAM COUNTY, WASHINGTON. SITUATE IN CLALLAM COUNTY, STATE OF WASHINGTON.

Sequim School District No. 323
Engage Empower Thrive

503 N Sequim Ave, Sequim, WA 98382
Telephone: (360) 582-3260, FAX: (360) 683-6303

March 20, 2024

RECEIVED
CLALLAM CO. COMMISSIONERS
MAR 25 2024
1...2...3...A...

Todd Mielke
Clallam County Administrator
223 E 4th Street
Port Angeles, WA 98362

Dear Todd,

Thank you for meeting with me last week. It was a pleasure meeting you. On behalf of the Sequim School District and the community, I would like to welcome you to the Peninsula and thank you in advance for your support and commitment to education.

As you may be aware, the Sequim School District has been working diligently to enhance our Career and Technical Education (CTE) programs. Our recent efforts have resulted in being named as a local community project in the proposed state capital budget in the amount of $4.9 million. This will establish a CTE Center for Excellence which will provide invaluable opportunities for our students and benefit the entire community. The CTE Center will serve as a hub for hands-on learning, skill development, and career pathways, ultimately preparing our students for success in the workforce.

Last year, the Sequim School District had planned to request a $250,000 AARPA funds match to support the CTE Center for Excellence. We were thrilled that the City of Sequim committed $250,000 toward this initiative. It is our hope that the CTE Center of Excellence Project be considered for available County ARRPA funds. By assigning unallocated or reallocating ARPA funds to the CTE Center for Excellence, Clallam County can play a pivotal role in shaping the next generation of skilled workers and community leaders.

We kindly request your support in securing funding for the CTE Center for Excellence. Your contribution will make a lasting impact on our students' lives and strengthen our local economy. We are confident that together, we can create a brighter future for Clallam County.

Thank you once again for your dedication to education and your commitment to our community. We look forward to the opportunity to discuss this matter further and explore how Clallam County can partner with us in this transformative endeavor.

Sincerely,

Regan Nickels

Regan Nickels, Superintendent

Sequim School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, disability, or the use of a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to handle questions and complaints of alleged discrimination: Victoria Balint, vbalint@sequimschools.org, Title IX Coordinators, Civil Rights Compliance Coordinator: Sequim School District Office, 503 N. Sequim Ave., Sequim, WA 98382, 360-582-3260; and for Section 504/ADA Coordinator, Cheryl Pillon, 503 N. Sequim Ave., Sequim, WA 98382,360-582-3405, cpillon@sequimschools.org.

Sequim School District

A Career Technical Education Center of

EXCELLENCE

BUSINESS PLAN

Learning that works for Washington

CTE

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Picture Credits:
Cover- Michael Soto, Sequim High School Student
Spotlight pictures- Sequim Robotics Federation and
Allison Hastings- Middle School Staff

Executive Summary
Career Technical Education Center of Excellence

Introduction: Sequim School District in collaboration with the Sequim Community and local/regional business partners are pursuing a $15 million dollar Washington State funded grant to build a Career Technical Education (CTE) Center of Excellence. The project objective is to construct a 20,000 square foot (100' x 200') steel building that provides industry grade training capabilities for the conduct of technical and skilled trade instruction of Sequim School District students.

The building will replicate a training center for skilled trades and local industries

- 3 Open Bays 40'x100'
- Industrial grade access to water/power/air
- 2 Fully Resourced Classrooms 30'x100'
- Space Includes Restrooms/Showers
- 1 Fully Sourced Industry Rated Kitchen 50'x100'
- Access to both Middle and High School students

Primary Purpose: The development of 21st century industry ready graduates from career technical education programs with the knowledge, skills, and experiences for immediate entrance into a journeyman/skilled trade labor market required within the local/regional area and to the benefit of our local economy.

1. Create access to required floor space while conducting skilled and technical trade modules/culminating projects and industry required certifications
2. Provide access to technical trade tools, industrial equipment and industry grade instructional models that are currently not compatible within existing classroom configurations and/or meet industry required standards
3. Replicate large open manufacturing/construction/factory workspaces that are easily transformed to meet varied technical skill training tasks and objectives
4. Build relationships/provide industry expert contracted training/seminars utilizing latest industry and certification practice on specifications
5. Emergency/Crisis Management Center
6. Support Community Related Events
7. Conference Center
8. Regional EMS/Training Center

Project Challenges: The award of the $15 million dollar grant is predicated upon the Sequim School Districts ability to secure a $1 million dollar matching fund through pledges of actual monetary donations or in-kind services donated from local/regional/community sources. (Local governments, non-profits, local businesses, and individuals)

Estimated Cost: $16.5 million dollars

Economic Impact and Benefit: Research has shown that participation in CTE programs prepare students for high-wage, in-demand careers, while simultaneously addressing critical workforce shortages. A recent study (*pg.13 CTE ACTE study*) of Washington State CTE programs found that for every dollar spent on secondary CTE students, taxpayers receive a $9 return on investment. Locally, this translates into over $11 million per year of additional annual economic output, including $3.7 million of wages, and over $200,000 of additional city and county sales tax receipts per year.

Proposed Project Timeline: The Washington State Legislature will complete it's 2023-2024 budget by early May 2023, for the fiscal year starting July 1, 2023. If the CTE Center is included in the budget, contract development will begin early in the new fiscal year. Detailed design and engineering for this type of project is expected to take five months and offsite fabrication and onsite preparation and construction seven months. The new CTE Center would open as soon as mid-calendar year 2025.

Sequim School District
A Career Technical Education Center of EXCELLENCE

January 2023

Building The Next Chapter

Sequim School District recognizes that our local community will benefit from a robust and relevant Career Technical Educational program that educates and trains industry-ready, career-prepared graduates to enter the workforce as highly trained skilled trades people. Our local community is on the cusp of a unique and one time state investment to update and modernize our technical education facilities. Our next steps will be critical to capitalize on this potential $15 million dollar state investment to modernize and construct a CTE Center of Excellence. It will allow Sequim School District to be cutting edge in our response to the workforce development and student training needs right in our own local community. In order to demonstrate the school district's and community's commitment to this endeavor, Sequim School District is seeking a $1 million dollar match to realize a $15 million dollar investment to benefit our local economy, our workforce development and our career ready graduates. Opportunities like this don't come along too often, and it is imperative that we seize the day.

Our local businesses and community members have emphasized that a well-trained, local workforce is needed in our area to fill the many openings in healthcare, building construction, manufacturing and diesel/marine automotive technologies. Sequim School District is committed to supporting our local economic development through technical education and training. These essential trade careers not only have strong earning potential for our youth; the careers will fill the hiring gap for our businesses and meet the service demand of our community. Building trades, skilled service careers, and the medical community need industry ready workers immediately in Clallam County.

To meet these pressing regional workforce needs, the Sequim School District is actively pursuing this one time financial opportunity to enhance our current programs and facilities by constructing a Career Technical Education Center of Excellence. The modern training facility will be designed to meet emergent industry standards. Additionally, the district will continue to broaden the current Career Technical Education program capability through the evolution of our current industry programs and the addition of new pathway courses and training experiences that effectively prepare and inspire our students to join the local labor and industry markets within our community. Careers are waiting for them.

Sequim School District is diligently working to develop and sustain an active partnership with our local businesses, community partners, public service agencies, and industry partners to prepare our graduates for careers in Clallam County. Meeting the call of pledging a $1 million dollar match toward the much larger potential $15 million dollar state investments before us. The Sequim School District is leading the charge to inform local community about the degree of community impact and return on investment that this opportunity for our student presents. Students graduating from Sequim CTE programs will realize their potential in industry ready training programs and enter local careers with strong living wage potential. Our collective goal is to design, develop, implement, and sustain a Career Technical Education Center that actively and effectively meets our local labor and industry employment needs with industry-ready and career-prepared graduates. We thank you for being a partner alongside us in this important workforce development opportunity. Join the cause and move our students and work force needs toward fulfillment.

Sincerely,

Regan Nickels

Superintendent
Sequim School District

Why a new Career Technical Education Center for Sequim?

Sequim School District in collaboration with local business and non-profit partners is pursuing $15 million dollars in Washington State funding to create a Career Technical Education (CTE) Center of Excellence. The project objective is to invest in local economic development by targeting career training for local trades including building construction, manufacturing, fabrication, and health care. Construction of a 20,000 square foot (100' x 200') steel building that provides industry grade training capabilities and skilled trade instruction of Sequim School District students is the target of initial expenditures.

Mission Statement

The Career Technical Education Center of Excellence provides modern, hands-on training that generates skilled students to pursue high-wage careers focused on Clallam County workforce needs.

The Need For A CTE Facility

The proposed new workforce trade training facility in Sequim will contribute to the growth of our local economy.

An important part of Sequim School District's curriculum is CTE (Career and Technical Education). This curriculum requires hands-on experiences to prepare students for careers in the skilled trades. The new building allows for industry driven curriculum and realistic exposure to training. Unlike traditional classrooms, this new facility is designed to adapt to the changing needs of well-paying skilled trade careers.

Clallam County has a shortage of workers in critical fields like healthcare, the building trades, maritime, manufacturing, and technical automotive industries. These shortages restrain economic growth. Studies show that participation in CTE programs prepares students for high-wage and in-demand careers, while simultaneously addressing critical workforce shortages. CTE programs create meaningful learning opportunities and increase graduation rates and result in higher earnings and benefits for graduates at the secondary and post-secondary levels.

Key Metrics

Research has identified several ways Career Technical Education helps our community.

For Employers

1.) Workforce Shortages: CTE programs can address workforce shortages in key business sectors, which can have a significant impact on local, regional, and state economic output.

2.) Employer Training Costs: CTE programs can save employers on training costs for new employees.

For Workers

3.) Earnings: CTE programs enhance an individual's skills and productivity, thus increasing wage rates. This results in significantly greater short-term and lifetime earnings.

4.) Fringe Benefits: CTE program participation results in additional fringe benefits in the form of paid leave, paid insurance, retirement/savings plan contributions and other non-cash benefits.

For The Public

5.) Tax Payments: CTE programs, which generate higher incomes for participants, lead to payment of increased payroll, sale/excise, local, state, and federal income taxes.

6.) Economic Impact: A recent study of Washington State CTE programs found that for every dollar spent on secondary CTE students, taxpayers receive a $9 return on investment. Locally, this translates into over $11 million per year of additional annual economic output, including $3.7 million of wages, and $200,000 of additional city and county sales tax receipts per year.

Clallam County Market Conditions Analysis

In 2022, the Clallam Economic Development Council (EDC) commissioned a comprehensive study by Olympus Consulting to "take the socioeconomic pulse of Clallam County". The study, *Economic Development in Clallam County – When Prosperity Matters*, examined the question of prosperity from multiple angles and identified several findings relevant to the Sequim School District CTE Business Plan.

Community Member Challenges: Community member survey respondents rated the following as their top three challenges to their economic prosperity:

- Finding suitable housing that is affordable
- Access to quality healthcare
- Finding a job that will allow me to meet my financial obligations

Economic Output and Wages for Key Industries: The researchers analyzed over 175 job categories in fourteen job clusters. Five of these job clusters and 31 job categories are relevant to current or future training in the Sequim CTE Program – Construction, Healthcare, Automotive Repair/Maintenance, Manufacturing, and Information Technology.

Job Cluster	Employee FTEs	Wage/ Emp FTE	Proprietor FTEs	Total FTEs	(2021 $) Econ Output	Output/ FTE
Construction	1,623.6	$48,300	605.3	2,228.9	$321,756,840	$144,357
Healthcare	1,189.2	$46,367	98.5	1,287.7	$128,011,509	$99,409
Automotive Repair/Maintenance	300.5	$49,475	59.3	359.8	$36,197,539	$100,605
Manufacturing	372.7	$67,913	5.1	378.8	$118,304,623	$312,314
Information Technology	154.3	$81,867	518.8	673.1	$51,955,077	$77,188
CTE-Related Totals	3,640.3	$293,922	1,288.0	4,928.3	$656,225,588	$133,154

In total, approximately 5,000 Clallam County workers (employees and proprietors) are generating over $656 million in economic activity, averaging $133,000 of output per full time equivalent worker. The following definitions help explain this table.

Employee FTEs: Full Time Equivalent employee workers, defined as being paid for an average of 40 hours per week, 52 weeks per year, including time for vacation/sick/paid leave.
Wage/Emp FTE: Average annual wages for a Full Time Equivalent worker.
Proprietor FTEs: Business owner Full Time Equivalents.
Total FTEs: The sum of Employees and Proprietors Full Time Equivalents.
Economic Output: The total dollar cost of the work created by a business including wages, material, and supplies, rent, vehicles, purchased services, taxes, profits, etc.
Output/FTE: The Economic Output divided by the Total FTEs equals the Output per Full Time Equivalent. This is an important measure of how many dollars of economic activity are created for each worker/proprietor as well as how much economic activity is lost to the community when a position is unfilled. Note that businesses with high material and supply costs will have higher Output/FTE that service-type businesses.

Job Openings/Job Growth: Within this economic environment, the 2022 EDC Study also found substantial numbers of job openings within each job area – as many as 29% of surveyed employers listed this as their number one business challenge. For example, our local hospital, Olympic Medical Center had 251 job openings when the study was completed. Most employers in these five job areas also stated that they were likely to expand their businesses (e.g. 58% of surveyed construction businesses, 62% of surveyed automotive repair businesses).

Together, these findings provide important data for the CTE Business Plan. Currently, there is a lack of qualified workers in key job areas, many businesses in these areas are likely to expand, and the Sequim Schools CTE Program can play an important role in addressing the needs.

Career Technical Education Center Project Overview

Sequim School District in collaboration with the Sequim Community and local/regional partners will construct a building called the Career Technical Education Center on the Sequim Schools main campus. This document provides a high-level overview of the new CTE Center and how it will support our community.

Overview

The building will include the following:

- 100'x200' Steel Building
- 3 Open Bays 40'x100'
- Industrial grade access to water/power/air
- 2 Fully Resourced Classrooms 30'x100'
- Space Includes Restrooms/Showers
- 1 Fully Sourced Industry Rated Kitchen 50'x100'

CTE Center Secondary Purpose

- Emergency/Crisis Management Center
- Support large community related events
- Conference center
- Regional EMS/training center
- Post graduation training
- Partnerships with Olympic and Peninsula College.

CTE Center Primary Purpose

- Facilitate the development of 21st century industry ready graduates from career technical education programs with the knowledge, skills and experiences for immediate entrance into a journeyman/skilled trade required within the local/regional area
- Supplement existing classrooms with access to required floor space in conducting CTE modules/culminating projects
- Provide access to industry rated tools and equipment that are not compatible with current classroom configurations and/or industry required standards
- Replicate manufacturing/construction/factory workspaces

Building Design and Location

The current site for building the Career Technical Education Center of Excellence is located behind the agricultural science buildings next to the newly built greenhouse that was finished Spring 2022. This location serves as the perfect opportunity to engage both the High School and Middle School students given the proximity to both campuses.

Meet the Sequim School District CTE Teachers

JIM HEINTZ
HIGH SCHOOL

LYNETTE JENNE
HIGH SCHOOL

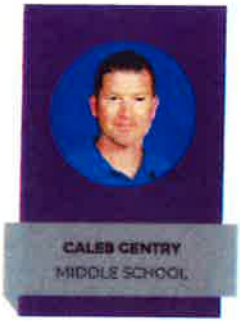
BRITTNEY MURDACH
HIGH SCHOOL

BILL MCFARLEN
HIGH SCHOOL

KEVIN PHILLIPS
HIGH SCHOOL

CANDY SEELYE
HIGH SCHOOL

BRIDGETTE SHINGLETON
HIGH SCHOOL



CALEB CENTRY
MIDDLE SCHOOL

RENEE COLWILL
MIDDLE SCHOOL

LAURA GOULD
HIGH SCHOOL

STUART MARCY
HIGH SCHOOL

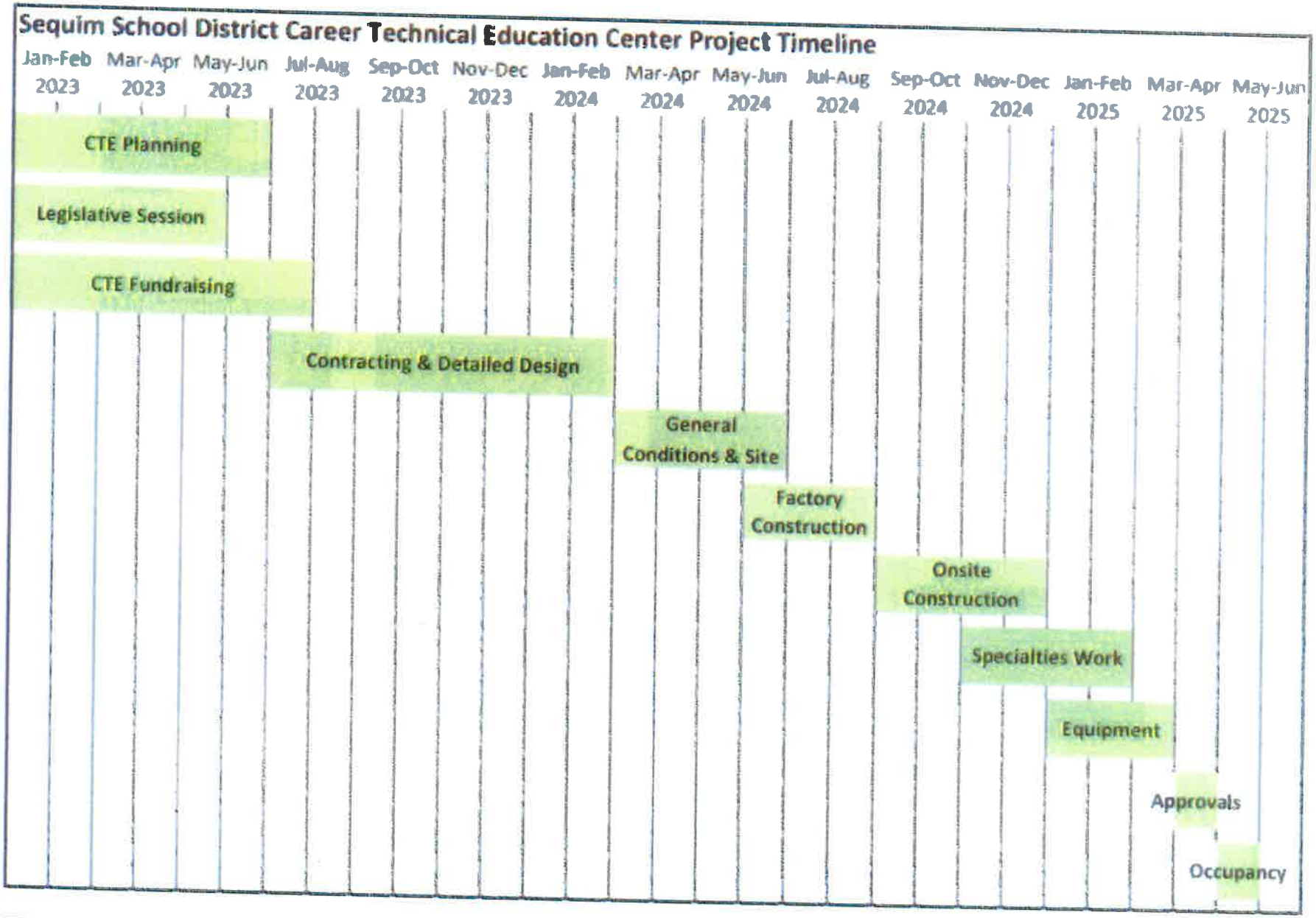
SARA TURNER
HIGH SCHOOL

DENISE DAHLL
HIGH SCHOOL

CHRISTY DITLEFSEN
HIGH SCHOOL

BRAD MOORE
HIGH SCHOOL

CHARLES KLEINBERG
HIGH SCHOOL


Sequim School District Career Technical Education Center Project Timeline
Jan-Feb 2023
Mar-Apr 2023
May-Jun 2023
Jul-Aug 2023
Sep-Oct 2023
Nov-Dec 2023
Jan-Feb 2024
Mar-Apr 2024
May-Jun 2024
Jul-Aug 2024
Sep-Oct 2024
Nov-Dec 2024
Jan-Feb 2025
Mar-Apr 2025
May-Jun 2025
CTE Planning
Legislative Session
CTE Fundraising
Contracting & Detailed Design
General Conditions & Site
Factory Construction
Onsite Construction
Specialties Work
Equipment
Approvals
Occupancy

Project Budget

Background

The Sequim School District has been able to draw on several resources to develop the CTE Center Project Budget. This includes budgeting material from a similar facility at Washington State University, discussions with local contractors, the Washington State Office of Financial Management's Construction Cost Assessment Final Report (June 6, 2022), the Washington State Architectural and Engineering Fee Schedule, and additional research on the cost of several budget line items not included in the above reference material.

As part of the budget development process, we have estimated Low and High amounts for each line item. We have approached the budget from the perspective of developing a not-to-exceed total (High) to ensure that adequate resources will be available to successfully bring a new CTE Center online on a timely basis.

Project Budget

Sequim School District Career Technical Education Center
Project Budget

Building Dimensions:	100' x 200'		Square Feet:	20,000
Revenue				
Grants & Funding Allocations				$15,000,000
Local Match for State Funding				$1,000,000
In-Kind Value of Land				$500,000
Total Revenue				$16,500,000
	Cost/Square Ft.		Item Cost	
Expenses	Low	High	Low	High
Construction Costs	$279.00	$320.00	$5,580,000	$6,400,000
Additional Building Costs	$76.75	$97.60	$1,535,000	$1,952,000
Total Building Costs	$355.75	$417.60	$7,115,000	$8,352,000
Other Project Costs			$3,225,000	$4,254,000
Design Contingency			$534,000	$835,000
Project Contingency/Escalation			$1,138,000	$1,754,000
Sales Tax			$1,022,000	$1,305,000
Project Budget Total			$13,034,000	$16,500,000

For additional detail, please see Appendix I – Budget Detail.

Sequim Schools Career Technical Education (CTE) Return on Investment (ROI) Model Analysis

Background

There is a rich body of research about the benefits of CTE programs in the United States including deep dives into Return on Investment (ROI) analyses for individuals and their families, workplaces, and communities. The literature spans research in two-dozen states, including Washington State. The findings show that participation in CTE programs prepare students for high-wage and/or in-demand careers, while simultaneously addressing critical workforce shortages. CTE programs increase graduation rates and result in higher earnings and benefits for graduates at the secondary and post-secondary levels.

We combined these studies with the 2022 Clallam EDC research paper completed by Olympus Consulting to complete the following ROI Analysis.

ROI Analysis

There are 31 job categories in five job clusters in Clallam County that are relevant to current or future training in the Sequim CTE Program – Construction, Healthcare, Automotive Repair/Maintenance, Manufacturing, and Information Technology. The district has embarked on a multi-phase effort to expose students early to technical career opportunities and training; build closer partnerships with employers and trade schools; and add and upgrade current offerings to enable Sequim High School CTE graduates to enter well-paying careers in our community. The next critical piece of the puzzle is replacing the inadequate training facilities with a new CTE Center.

The ROI Analysis determined that the development of the new CTE Center and accompanying strategies will enable between 90 and 110 graduates per year to fill open positions in the five job clusters, earning beginning wages of $39,000 to $51,000 per year.

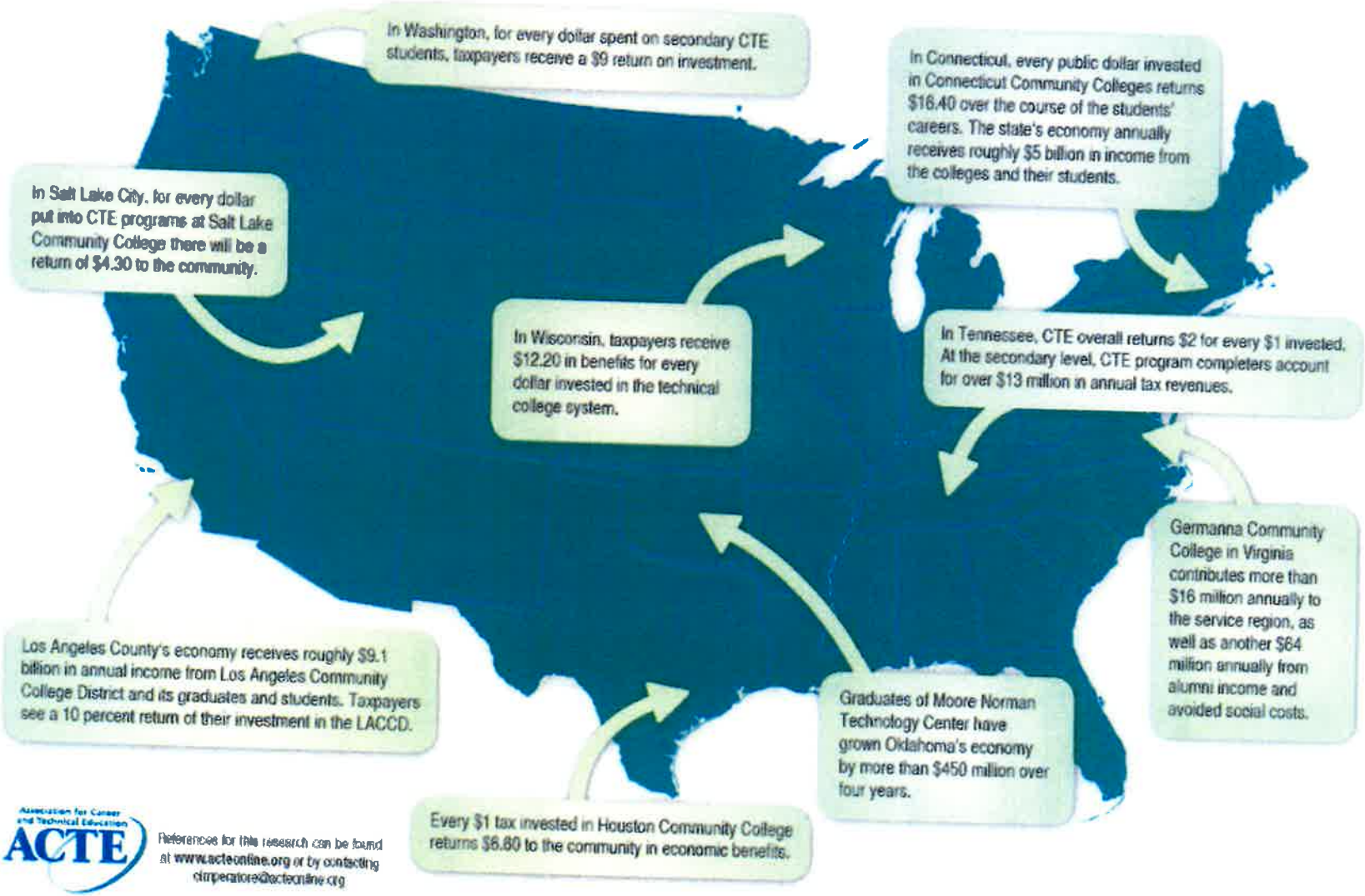
The ROI Analysis projects an additional $11 to $14 million of additional annual economic output by these new employees, generating significant annual tax receipts for the city of Sequim, Clallam County, and the State of Washington. Although the CTE Program is currently producing workforce-ready graduates, a new CTE Center supported by accompanying program changes will significantly increase the number of graduates and community benefit.

	Annual ROI Projections	
Additional Annual FTEs/Dollars	Low Scenario	High Scenario
Additional Full Time Equivalent Workers	90	110
Additional Wages	$3,731,957	$4,566,245
Additional Economic Output	$11,910,662	$14,664,405
Additional City Sales Tax Receipts	$67,593	$83,220
Additional County Sales Tax Receipts	$143,702	$176,926
Additional State Sales Tax Receipts	$774,193	$953,186

This study aligns with CTE research that shows that a successful CTE Program can address workforce shortages; enhance individual's skills and productivity, thus increasing wage rates and benefits; generate additional tax payments; and improve economic output in a community.

The detailed results can be found in Appendix II – Return on Investment Analysis.

Investing in Career & Technical Education Yields Big Returns



Association for Career and Technical Education
ACTE

References for this research can be found at www.acteonline.org or by contacting clinperatore@acteonline.org

How can you help?

We hope you will join us to help make this exciting opportunity a reality. Here are three ways you can help:

1. **Share a copy of this business plan with your friends, coworkers, and neighbors.**
2. **Contact the Sequim City Council and Clallam Board of County Commissioners to ask for their support.**
3. **Make a donation to the CTE Program.**

Charitable Donation Agreement for Sequim School District CTE Program

Your Name: _____

Your Address: _____

Your email address: _____

I/we hereby donate to Sequim School District the sum of $ _____

Sequim School District agrees that it will apply the contributions in accordance with its tax-exempt purposes.

This donation made on _____(date)

By:_____ By:_____

(Donor Signature) (Second Donor Signature)

_____ _____

(Name) (Name)

Date:_____

Appendices

Appendix I – Budget Detail

Background

The Sequim School District has been able to draw on several resources to develop the CTE Center Project Budget. This includes budgeting material from a similar facility at Washington State University, discussions with local contractors, the Washington State Office of Financial Management's Construction Cost Assessment Final Report (June 6, 2022), the Washington State Architectural and Engineering Fee Schedule, and additional research on the cost of several budget line items not included in the above reference material.

This appendix provides a detailed budget followed by the budget assumptions for each budget component. As part of the budget development process, we have estimated Low and High amounts for each line item. We have approached the budget from the perspective of developing a not-to-exceed total (High) to ensure that adequate resources will be available to successfully bring a new CTE Center online on a timely basis.

Detailed Project Budget

Sequim School District Career Technical Education Center
Project Budget

Building Dimensions	100' x 100'	Square Feet	20,000
Revenue			
Grants & Funding Allocations			$13,000,000
Local Match for State Funding			$1,000,000
In-Kind Value of Land			$500,000
Total Revenue			$16,500,000

	Cost/Square Ft.		Item Cost	
Expenses	Low	High	Low	High
Foundation	$30.00	$35.00	$600,000	$700,000
Modular Building Structure	$35.00	$40.00	$700,000	$800,000
Insulation	$12.50	$15.00	$250,000	$300,000
Building Labor	$30.00	$35.00	$600,000	$700,000
Electrical – solar ready	$22.00	$24.00	$440,000	$480,000
Plumbing	$10.00	$12.00	$200,000	$240,000
HVAC	$27.50	$30.00	$550,000	$600,000
Solar panels and installation	$27.50	$30.00	$550,000	$600,000
Windows/doors	$12.50	$15.00	$250,000	$300,000
Exterior Finishes	$12.50	$15.00	$250,000	$300,000
Commercial Kitchen	$27.50	$30.00	$550,000	$600,000
Safety Equipment	$10.00	$12.00	$200,000	$240,000
Security	$2.00	$3.00	$40,000	$60,000
Fencing	$10.00	$12.00	$200,000	$240,000
Performing Stage	$10.00	$12.00	$200,000	$240,000
Construction Costs	$279.00	$320.00	$5,580,000	$6,400,000

Sequim School District Career Technical Education Center
Project Budget

Building Dimensions	100' x 200'	Square Feet	20,000

Expenses (continued)	% of Construct $		Item Cost	
General Conditions	12.5%	14.0%	$695,000	$896,000
Site Development	13.0%	16.5%	$837,000	$1,056,000
Total Building Costs			$7,115,000	$8,352,000
	% of Building $		Item Cost	
Architect, Engineering	9.8%	9.6%	$699,000	$798,000
Project Management	10.0%	11.0%	$712,000	$919,000
Equipment/Furnishings	10.0%	12.0%	$712,000	$1,002,000
In-Kind value of Land	N/A	N/A	$533,000	$533,000
Other Project Costs	5.0%	12.0%	$369,000	$1,002,000
Project Costs	37.8%	44.5%	$3,225,000	$4,254,000
Design Contingency	7.5%	10.0%	$534,000	$835,000
Project Contingency/Escalation	16.0%	21.0%	$1,138,000	$1,754,000
Sales Tax	8.5%	8.9%	$1,022,000	$1,305,000
Other Costs Subtotal			$2,694,000	$3,894,000
Total Project Budget			$13,034,000	$16,500,000

Definitions

Building Construction Costs

Building Construction Costs include materials and labor estimates for identified components of the project such as foundation, steel building, electrical, plumbing, etc.

General Conditions

General conditions are an integral part of the construction contract and consist of items and resources needed for project completion that will not be part of the finished product. They include things like garbage removal, temporary offices and protection, and administrative time; all aspects of the project that are necessary but ultimately not seen at completion.

Site Development

Site development includes preparing the site for construction, permitting, fees, drainage, utilities, landscaping, hardscaping, and related costs.

Project Costs

Other Project Costs are for cost items that can vary greatly based on the actual project design. These include items such as environmental reviews, administrative fees, furnishings, and permits.

Design Contingency

Design contingency is an allowance for cost increases that arise from additional costs that are identified during the design process and before a construction contract is put in place.

Project Contingency/Escalation

Project contingency/escalation refers to a designated amount of money within a construction budget to cover unexpected costs that may occur while completing the project.

Appendix I – Budget Detail

Budget Assumptions

Expense Item	Reference
Foundation	Per discussion with local manufactured building contractor
Modular Building Structure	Per discussion with local manufactured building contractor
Insulation	Per discussion with local manufactured building contractor
Building Labor	Per discussion with local manufactured building contractor
Electrical – solar ready	https://capitalimprovement.org/commercial-electrical-cost-per-square-foot/
Plumbing	https://homeguide.com/costs/install-new-house-plumbing-pipes-cost
HVAC	https://capitalimprovement.org/commercial-hvac-system-cost-per-square-foot/
Solar panels and installation	Per calculations worksheet below
Window/doors	Design Team Estimate
Exterior Finishes	Design Team Estimate
Commercial Kitchen	Per calculations worksheet below
Safety Equipment	Design Team Estimate
Security	https://www.qstartech.com/cost-school-safety/
Fencing	Per calculations worksheet below
Performing Stage	Design Team Estimate
Construction Costs	
General Conditions	Per Washington State University AgTM & AgEd Feasibility Study adjusted for Sequim
Site Development	Per Washington State University AgTM & AgEd Feasibility Study adjusted for Sequim
Architect, Engineering	Per WA State OFM Construction Cost Assessment Final Report
Project Management	Per WA State OFM Construction Cost Assessment Final Report
Equipment/Furnishings	Estimate based on project use cases for the facility
In-Kind Value of Land	Per real estate sale of comparable property
Other Project Costs	Design Team Estimate
Design Contingency	Per Washington State University AgTM & AgEd Feasibility Study adjusted for Sequim
Project Contingency/Escalation	Per Washington State University AgTM & AgEd Feasibility Study adjusted for Sequim
Sales Tax	Washington State sales tax rate for Sequim
Total Project Budget	Total aligns with WA State OFM Construction Cost Assessment Final Report

Click on links below:
Electrical-Solar Ready: Capital Improvement
Plumbing: Home Guide
HVAC: Capital Improvements
Security: Q Star Technology

Appendix I – Budget Detail

Washington State University AgTM & AgEd Feasibility Study Calculations

The following table contains figures from the Washington State University AgTM & AgEd Feasibility Study, which is similar to the Sequim CTE Center project. This information helped inform the estimates for the Sequim CTE Center Budget.

WSU Agriculture Technology and Production Management and Agriculture Education Center Budget Estimates

	Cost Phase 1	Cost/Sq Ft Phase 1	% of Total Phase 1
Square Feet	15,000		
General Conditions	$1,756,847	$117.12	12.4%
Site Development	$1,649,301	$109.95	11.6%
Building Construction	$5,859,240	$390.62	41.4%
Design Contingency	$1,394,315	$92.95	9.8%
Total Construction Costs	$10,589,711	$705.98	74.5%
Project Costs (1)	$3,627,687	$241.85	25.5%
Project & Construction Costs	$14,217,398	$947.83	100.0%
Project Contingency/Escalation	$3,000,000	$200.00	21.1%
Total - Low End	$14,217,398	$947.83	
Total - High End	$17,217,398	$1,147.83	

Additional Calculations

The following tables lay out the backup for solar, kitchen and fencing estimates.

Solar Power - Washington State

Watts per square foot	100
Square Feet of solar panels	2,000
Watts of power	200,000
Average Cost per watt to install	$2.60
Estimated Cost	$520,000
Total CTE Square Feet	20,000
Cost per Square Foot	$26.00
Kilowatt Hours	200
Amps @240 volts	$33.33

https://www.solarnest.state.or.us/residential-solar/solar-panel-calculator

Solar Power - Commercial Buildings

Medium or large commercial solar panel system (200kW) cost: $420,849

Large commercial solar panel system (250kW) cost: $501,111

https://wsbi.org/solar-installation-commercial-solar-panel-costs/

Fencing Costs

Mt. Diablo School District - Cambridge Elementary - 2020

	Total Linear Feet Fencing	$/Lin Ft	2024 Cost
	2,130		
Bid Low	$396,389	$184.60	$233.99
Bid Medium	$459,935	$213.92	$270.90
Bid High	$597,682	$277.99	$350.86
4-year Inflation (2020-2024)			126.2%
Sequim CTE Linear Feet Fencing Estimate			800
Cost Low			$186,393
Cost Medium			$216,000
Cost High			$280,692

https://www.mdusd.org/bid137/fencing.aspx

Commercial Kitchen Cost

Cost per Square Foot	$250
Square Feet (50' x 100')	5,000
% for actual Kitchen	50%
Kitchen sq ft for cost compare	2,500
Cost	$625,000
Total CTE Square Feet	20,000
Cost per Square Foot	$31.25

https://matsfoodservice.com/2021/05/how-much-does-a-commercial-kitchen-cost/

Click on links below:
Solar Power: Solar Estimate & WGSI
Commercial Kitchen: Mathias
Fencing: Example

Appendix II – Return on Investment Analysis

Overview

This appendix explains the seven-step process used to create the Sequim CTE Center Return on Investment (ROI) Analysis that draws on two primary sources:

- CTE Program research from over two dozen states, including Washington State.
- The 2022 Clallam Economic Development Council study, *Economic Development in Clallam County – When Prosperity Matters.*

It is important to note that the Clallam EDC study's well researched and timely data made an enormous contribution to this project. This level of detail is rarely available for these types of analyses. It is also important to note that the availability of online jobs data provided near-real-time position openings and starting wage data, something that was not possible a few years ago.

All ROI Analysis estimates in this analysis are informed by supporting data and every effort has been made to aim low in the estimates in order to not overstate the model's results. While this ROI Analysis does not pretend to be a crystal ball with perfect foresight, it provides a range of what should be considered solid low and high estimates of the impact a robust CTE Program operating out of a new CTE Center will bring to the community.

The Seven Steps ROI Analysis Process

Step 1 – Identify CTE-Related Job Categories and Clusters to Include in the ROI Analysis
Step 2 – Compile 2022 Clallam EDC Data for the CTE Job Areas
Step 3 – Summarize the EDC Data for the CTE Job Areas
Step 4 – Identify Current Unfilled Clallam County Positions in the Five CTE-Related Job Clusters
Step 5 – Identify Current Wage Ranges for CTE-Relevant Positions
Step 6 – Build the ROI Model
Step 7 – Complete the Return on Investment Analysis
  Part A: ROI Analysis – Employees and Economic Output
  Part B: ROI Analysis – Financial Benefits to Local Government
  Part C: ROI Analysis – Financial Benefits to State Government

Step 1 – Identify CTE-Related Job Categories and Clusters to Include in the ROI Analysis

There are over 175 job categories in fourteen job clusters that describe the work that takes place in Clallam County (Source: 2022 EDC Study). Working with the Sequim Schools CTE Director, 31 job categories in five job clusters were identified that are relevant to current or future training in the Sequim CTE Program. These jobs and job clusters created the foundations to assess job openings, current wages, economic output, and potential economic benefits when open jobs are filled with CTE graduates.

Code	Industry Description
Construction - Maintenance	
60	Maintenance of nonresidential structures
61	Maintenance of residential structures
Retail - Construction Related	
405	Retail-Building material/garden equip
Building Construction	
50	Construction - healthcare facilities
51	Construction - manufacturing facilities
53	Construction - education structures
54	Construction - highways and streets
55	Construction - commercial structures
56	Construction - other new nonresidential
57	Construction - single family residences
58	Construction - multi-family residences
59	Construction - other new residential
Information Technology	
428	Software publishers
459	Custom computer programming services
460	Computer systems design services
461	Other computer related services

Code	Industry Description
Healthcare	
483	Offices of physicians
484	Offices of dentists
485	Offices of other health practitioners
486	Outpatient care centers
487	Medical and diagnostic laboratories
488	Home health care services
489	Other ambulatory health care services
490	Hospitals
491	Nursing and community care facilities
Automotive Repair/Maintenance	
512	Automotive repair and maintenance
Manufacturing	
239	Sheet metal work manufacturing
247	Machine shops
356	Other aircraft parts/equip manufacturing
376	Surgical/medical instr manufacturing
380	Dental laboratories

Appendix II – Return on Investment Analysis

Step 2 – Compile 2022 Clallam EDC Data for the CTE Job Areas

Data from the 31 job categories in five job clusters in the 2022 EDC Study were compiled to gain an understanding of the number of Clallam County workers, proprietors, and economic output value relevant to the CTE Program.

The following definitions help explain the tables below.

Emp FTEs: Full Time Equivalent employee workers, defined as being paid for an average of 40 hours per week, 52 weeks per year, including time for vacation/sick/paid leave.

Wage/Emp FTE: Average annual wages for a Full Time Equivalent worker.

Proprietor FTEs: Business owner Full Time Equivalents.

Total FTEs: The sum of Employees and Proprietors Full Time Equivalents.

Economic Output: The total dollar cost of the work created by a business including wages, material, and supplies, rent, vehicles, purchased services, taxes, profits, etc.

Output/FTE: The Economic Output divided by the Total FTEs equals the Output per Full Time Equivalent. This is an important measure of how many dollars of economic activity are created for each worker/proprietor as well as how much economic activity is lost to the community when a position is unfilled. Note that businesses with high material and supply costs will have higher Output/FTE that service-type businesses.

Area	Industry Description	Emp FTEs	Wage/ Emp FTE	Proprie-tor FTEs	Total FTEs	(2021 $) Econ Output	Output/ FTE
Construction - Maintenance							
60	Maintenance of nonresid. structures	96.6	$47,890	48.8	145.4	$31,417,345	$216,075
61	Maintenance of residential structures	54.4	$46,067	26.3	80.7	$16,111,953	$199,652
	Totals	151.0	$47,233	75.1	226.1	$47,529,298	$210,214
Retail - Construction Related							
405	Retail-Building material/garden equip	346.1	$42,728	10.6	356.7	$46,919,485	$131,538
Building Construction							
50	Construction - healthcare facilities	43.4	$47,136	21.4	64.8	$7,540,689	$116,369
51	Construction - manufacturing facilities	76.2	$48,586	34.0	110.2	$13,055,676	$118,479
53	Construction - education structures	111.5	$55,026	41.1	152.6	$19,515,857	$127,889
54	Construction - highways and streets	116.3	$55,337	47.6	163.9	$25,756,711	$157,149
55	Construction - commercial structures	167.7	$46,967	79.3	247.0	$27,456,089	$111,158
56	Construction - other new nonresidential	125.0	$56,643	50.2	175.2	$28,581,489	$163,136
57	Construction - single family residences	274.0	$47,437	140.8	414.8	$47,356,608	$114,167
58	Construction - multi-family residences	83.0	$47,471	42.3	125.3	$10,189,543	$81,321
59	Construction - other new residential	129.4	$48,581	62.9	192.3	$47,855,395	$248,858
	Totals	1,126.5	$50,155	519.6	1,646.1	$227,308,057	$138,089
Construction Totals		1,623.6	$48,300	605.3	2,228.9	$321,756,840	$144,357

Appendix II – Return on Investment Analysis

Step 2 – Compile 2022 Clallam EDC Data for the CTE Job Areas (continued)

Area	Industry Description	Emp FTEs	Wage/ Emp FTE	Proprie-Tor FTEs	Total FTEs	(2021 $) Econ Output	Output/ FTE
Healthcare							
483	Offices of physicians	230.8	$93,373	92.0	322.8	$45,995,804	$142,490
484	Offices of dentists	220.4	$59,099	50.0	270.4	$31,847,629	$117,780
485	Offices of other health practitioners	169.2	$38,932	24.8	194.0	$18,204,703	$93,839
486	Outpatient care centers	198.3	$71,845	58.3	256.6	$30,760,245	$119,876
487	Medical and diagnostic laboratories	14.9	$77,859	5.4	20.3	$3,313,952	$163,249
488	Home health care services	55.4	$57,872	13.0	68.4	$5,015,947	$73,333
489	Other ambulatory health care svcs.	49.2	$67,594	13.1	62.3	$7,760,672	$124,569
490	Hospitals	1,949.9	$67,450	18.1	1,968.0	$432,288,393	$219,659
491	Nursing and community care facilities	715.6	$47,213	23.8	739.4	$64,870,201	$87,734
	Totals	3,603.7	$63,382	298.5	3,902.2	$640,057,546	$164,025
	Estimated % Technician/Aides	33%		0%	33%	20%	
	Revised Totals	1,189.2	$46,367	0.0	1,287.7	$128,011,509	$99,409
Automotive Repair/Maintenance							
512	Automotive repair and maintenance	300.5	$49,475	300.5	359.8	$36,197,539	$100,605
Manufacturing							
239	Sheet metal work manufacturing	2.5	$56,074	0.5	3.0	$727,532	$242,511
247	Machine shops	7.0	$46,700	1.0	8.0	$1,338,669	$167,334
356	Other aircraft parts/equip manufacturing	187.9	$88,382	3.6	191.5	$66,376,862	$346,615
376	Surgical/medical instr manufacturing	35.2	$65,643	0.4	35.6	$9,380,585	$263,500
380	Dental laboratories	140.1	$42,302	0.6	140.7	$40,480,975	$287,711
	Total	372.7	$67,913	6.1	378.8	$118,304,623	$312,314
Information Technology							
428	Software publishers	39.9	$51,485	15.4	55.3	$8,119,567	$146,828
459	Custom computer programming services	60.1	$97,805	167.3	227.4	$19,407,183	$85,344
460	Computer systems design services	50.3	$83,733	304.1	354.4	$18,592,417	$52,462
461	Other computer related services	4.0	$121,983	32.0	36.0	$5,835,910	$162,109
	Total	154.3	$81,867	518.8	673.1	$51,955,077	$77,188

Note that the Healthcare section includes data for all healthcare employees including physicians, dentists, nurses, etc. The ROI Analysis estimated the percentage of the workforce relevant to the CTE-trained positions and reduced the totals accordingly.

Appendix II – Return on Investment Analysis

Step 3 – Summarize the EDC Data for the CTE Job Areas

The table below summarizes the 31 job categories in the five job clusters to display totals for each job cluster.

Job Cluster	Employee FTEs	Wage/ Emp FTE	Proprietor FTEs	Total FTEs	(2021 $) Econ Output	Output/ FTE
Construction	1,623.6	$48,300	605.3	2,228.9	$321,756,840	$144,357
Healthcare	1,189.2	$46,367	98.5	1,287.7	$128,011,509	$99,409
Automotive Repair/Maintenance	300.5	$49,475	59.3	359.8	$36,197,539	$100,605
Manufacturing	372.7	$67,913	6.1	378.8	$118,304,623	$312,314
Information Technology	154.3	$81,867	518.8	673.1	$51,955,077	$77,188
CTE Related Totals	3,640.3	$293,922	1,288.0	4,928.3	$656,225,588	$133,154

In total, approximately 5,000 workers (employees and proprietors) are generating over $650 million in economic activity, averaging $133,000 of output per full time equivalent worker. The key metric from this table is the Output per FTE, which is used in Step 6 below to build the ROI Model.

Step 4 – Identify Current Unfilled Clallam County Positions in the Five CTE-Related Job Clusters

Step 4 draws on the section of the 2022 EDC Study that includes a sampling survey of employers to identify unfilled positions at a single point in time. The table below provides a count of these open positions, limited to the five CTE-related job clusters.

Job Cluster	Comment	Unfilled Positions
Automotive	All Positions in the 2022 EDC Survey	40
Construction Maintenance	"	8
Construction	"	53
Equip Maintenance	"	33
Healthcare	Estimate of technician/aides positions only	114
Manufacture	All Positions in the 2022 EDC Survey	39
Total Positions		362

Note that healthcare positions in the 2022 EDC Study were listed by setting (e.g. hospital, primary care clinic), not position type (e.g. physician, medical assistant), and an estimate was required to calculate unfilled positions relevant to the CTE Program.

Also note that because the EDC Study was a sample, only a portion of employers in the county were surveyed. Thus the "total" unfilled positions are an undercount, providing a job opening "floor" as well as an understanding of where unfilled positions were most prevalent.

Appendix II – Return on Investment Analysis

Step 5 – Identify Current Wage Ranges for CTE-Relevant Positions

The Indeed.com website and the Olympic Medical Center's job opening website (January 2023) were used to identify 41 position openings in local businesses to determine average wage ranges for the job clusters in ROI Analysis. All positions were entry level that match the qualifications of students graduating from the Sequim Schools CTE Program. The key outcome of this step was to estimate the average starting wage a CTE graduate might earn.

	Annual Wage Range	
Position	Low	High
Certified Nursing Assistant/Medical Assistant	$39,387	$46,367
Automotive Technician	$41,187	$43,660
Construction - Carpenter/Roofer/HVAC/Joiner/Laborer	$43,525	$68,640
Manufacturing - Welder/Fabricator/Edging Tech/Paint Tech	$38,293	$45,377
Computer - Support Technician	$51,420	$52,000

Figures in the Low Annual Wage column are used in Step 6 below to estimate beginning wages for CTE graduates that will be hired into unfilled positions.

Step 6 – Build the ROI Model

The ROI Model pulls data from the tables in the preceding steps, including the estimated current market starting wages, which are the Low Annual Wages from Step 5. This step determines Low and High Estimates of CTE Graduate Hires that will be placed into open positions each year once the new CTE Center is up and fully operational.

The following definitions help explain the tables below.

Hire Rate: This is the percent of Unfilled Positions from Step 4 that will be filled by CTE Program graduates each year, projected from a Low Hire Rate to a High Hire Rate for each job area.

Employee FTEs: This is a count of the new CTE Program graduates that are projected to be hired each year.

Avg Emp Wage/FTE: This is the Low Annual Wage figure from Step 5 for each job area.

Economic Output: This is the dollars of Economic Output generated by the CTE hires based on multiplying the number of FTEs by the Output per FTE.

Sequim School District CTE ROI Model

Based on 2022 Clallam County Economic Analysis

	Hire Rate	Employee FTEs	Avg Emp Wage/FTE	Economic Output
Construction industries				
Current Market Starting Wage			$43,525	
Output per FTE				$144,357
Estimated CTE Hires - Low	2.1%	34		$4,908,131
Estimated CTE Hires - High	2.6%	42		$6,062,985
Estimated Total Wages - Low				$1,479,848
Estimated Total Wages - High				$1,828,048

Appendix II – Return on Investment Analysis

Sequim School District CTE ROI Model - Continued
Based on 2022 Clallam County Economic Analysis

	Hire Rate	Employee FTEs	Avg Emp Wage/FTE	Economic Output
Healthcare				
Current Market Starting Wage			$39,387	
Output per FTE				$99,409
Estimated CTE Hires - Low	3.0%	36		$3,578,723
Estimated CTE Hires - High	3.6%	43		$4,274,586
Estimated Total Wages - Low				$1,417,934
Estimated Total Wages - High				$1,693,644
Automotive Repair/Maintenance				
Current Market Starting Wage			$41,187	
Output per FTE				$100,605
Estimated CTE Hires - Low	3.2%	10		$1,006,046
Estimated CTE Hires - High	4.0%	12		$1,207,255
Estimated Total Wages - Low				$411,865
Estimated Total Wages - High				$494,238
Manufacturing				
Current Market Starting Wage			$38,293	
Output per FTE				$312,314
Estimated CTE Hires - Low	2.0%	7		$2,186,199
Estimated CTE Hires - High	2.5%	9		$2,810,828
Estimated Total Wages - Low				$268,050
Estimated Total Wages - High				$344,635
Information Technology				
Current Market Starting Wage			$51,420	
Output per FTE				$77,188
Estimated CTE Hires - Low	2.0%	3		$231,563
Estimated CTE Hires - High	2.5%	4		$308,751
Estimated Total Wages - Low				$154,260
Estimated Total Wages - High				$205,680
Totals				
Estimated CTE Hires - Low		90		**$11,910,662**
Estimated CTE Hires - High		110		**$14,664,405**
Estimated Total Wages - Low				**$3,731,957**
Estimated Total Wages - High				**$4,566,245**

This information is then forwarded to Step 7 to generate the results of the Return on Investment Analysis.

Appendix II – Return on Investment Analysis

Step 7 – Complete the Return on Investment Analysis

Step 7 contains three sections that show results of the ROI Analysis with a focus on Employees and Economic Output (Part A), Financial Benefits to Local Government (Part B), and Financial Benefits to State Government (Part C).

Part A: ROI Analysis – Employees and Economic Output

The following table brings together the data from Step 6, breaking out the figures into two scenarios.

Sequim School District CTE ROI Analysis

Low Scenario	Hire Rate	New CTE Employees	Avg Emp Wage/FTE	Output per FTE	Economic Output
Construction industries	2.1%	34	$43,525	$144,357	$4,908,131
Healthcare	3.0%	36	$39,387	$99,409	$3,578,723
Automotive Repair/Maintenance	3.2%	10	$41,187	$100,605	$1,006,046
Manufacturing	2.0%	7	$38,293	$312,314	$2,186,199
Information Technology	2.0%	3	$51,420	$77,188	$231,563
Totals		**90**			**$11,910,662**

High Scenario	Hire Rate	New CTE Employees	Avg Emp Wage/FTE	Output per FTE	Economic Output
Construction industries	2.6%	42	$43,525	$144,357	$6,062,985
Healthcare	3.6%	43	$39,387	$99,409	$4,274,586
Automotive Repair/Maintenance	4.0%	12	$41,187	$100,605	$1,207,255
Manufacturing	2.5%	9	$38,293	$312,314	$2,810,828
Information Technology	2.5%	4	$51,420	$77,188	$308,751
Totals		**110**			**$14,664,405**

The ROI Analysis projects an additional $11.9 to $14.6 million of additional annual economic output provided by 90 to 110 CTE graduate hires. Although the CTE Program is currently producing workforce-ready graduates, a new CTE Center supported by accompanying program changes will significantly increase the number of graduates and community benefit.

Appendix II – Return on Investment Analysis

Part B: ROI Analysis – Financial Benefits to Local Government

The Sequim School District is requesting funding from the City of Sequim and Clallam County to help reach the $1 million local match for the CTE Center. This section calculates the additional tax dollars that will come to city and county based on the one-time infusion of $15 million of state dollars as well as tax receipts from ongoing annual increases in economic output. The table below is based on a 1.14% Sequim City sales tax rate and a 1.27% Clallam County sales tax rate.

Sequim School District CTE Local Sales Tax Revenue Analysis	Low Scenario	High Scenario
Annual Tax Receipts		
Economic Output from CTE Program	$11,910,662	$14,664,405
Sequim Tax Rate	1.14%	1.14%
Percent of work completed in Sequim City Limits	50.00%	50.00%
Additional Annual Sequim Tax Receipts	$67,593	$83,220
Clallam County Tax Rate	1.27%	1.27%
Percent of work completed in the County	95.00%	95.00%
Additional Annual County Tax Receipts	$143,702	$176,926
Total Local Annual Tax Receipts	$211,295	$260,147
CTE Construction Period Tax Receipts		
Washington State Funding Request	$15,000,000	$15,000,000
Sequim Tax Rate	1.14%	1.14%
Percent of work completed in Sequim City Limits	100.00%	100.00%
Additional Annual Sequim Tax Receipts	$170,250	$170,250
Clallam County Tax Rate	1.27%	1.27%
Percent of work completed in the County	100.00%	100.00%
Additional Annual County Tax Receipts	$190,500	$190,500
Total One-Time Annual Tax Receipts	$360,750	$360,750

Depending on the scenario, annual, recurring local tax receipts are projected to increase between $211,000 and $260,000.

Because costs related to the CTE Center are sales taxable, 100% of the $15,000,000 of potential state funding will generate city and county sales tax. This will result in a one-time infusion of $360,750 tax dollars into the community.

Appendix II – Return on Investment Analysis

Part C: ROI Analysis – Financial Benefits to State Government

The analysis in Part B - Financial Benefits to Local Government is also applicable to the 6.5% sales tax receipts that go directly to the state. The table below computes state tax receipts to determine when the state will directly recoup its investment in the Sequim CTE Center.

Sequim School District CTE State Sales Tax Revenue Analysis	Low Scenario	High Scenario
CTE Construction Period Tax Receipts		
Washington State Funding Request	$15,000,000	$15,000,000
Washington State portion of Sales Tax	6.50%	6.50%
Total One-Time Sales Tax Receipts	$975,000	$975,000
Annual Tax Receipts		
Economic Output from CTE Program	$11,910,662	$14,664,405
Washington State portion of Sales Tax	6.50%	6.50%
Additional Annual Sales Tax Receipts	$774,193	$953,186
Return on Investment		
Cumulative Year 5 Tax Receipts	$4,845,965	$5,740,932
Cumulative Year 10 Tax Receipts	$8,716,931	$10,506,863
Cumulative Year 15 Tax Receipts	$12,587,896	$15,272,795
Cumulative Year 20 Tax Receipts	$16,458,861	$20,038,726
Cumulative Year 25 Tax Receipts	$20,329,826	$24,804,658

Based on these calculations, the $15 million of state funds will be repaid in 15 to 20 years. Using the current Washington State Various Purpose General Obligation Bond interest rate of 2.39%, the net future value of the $15,000,000 state investment, which is approximately $24 million, will be recouped in approximately 25 years.

Board of Commissioners

General Public Comment

April 2, 2024

BOARD OF CLALLAM COUNTY COMMISSIONERS PUBLIC HEARING

General Public Comment – April 2, 2024

I declare under penalty of perjury under the laws of the State of Washington that any testimony that I give is true and accurate. Please print name and address clearly.

№	PRINTED NAME	SIGNATURE	ADDRESS
1	Paul V Hansen	PVH	340 Frost Rd Sequim
2	Josie Ganser	Jganser	1461 Towne Rd Sequim
3	LIAM ANTRIM	Liam Antrim	207 POND LN. SEQUIM
4	PAM MAURIDES	Pam Maurides	207 POND LN SEQUIM
5	JAMES ROBBINS	James Robbins	70 Charles Way
6	Rick Rhoades		320 House Rd Sqm
7			
8	Elizabet Bain	Elizabet Bain	732 Thornton Dr Sequim
9	Margaret Walthall	Margaret Walthall	161 Cougar Heights Sequim
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Signed on April 2, 2024 in Port Angeles, Washington

BOARD OF CLALLAM COUNTY COMMISSIONERS PUBLIC HEARING

General Public Comment – April 2, 2024

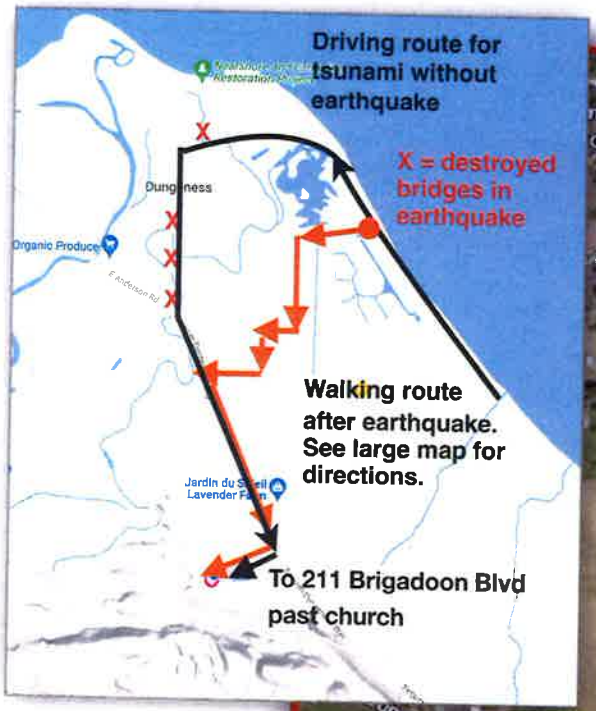
I declare under penalty of perjury under the laws of the State of Washington that any testimony that I give is true and accurate. Please print name and address clearly.

№	PRINTED NAME	SIGNATURE	ADDRESS
1	Tim Wheeler	Timothy L. Wheeler	1624 Honeybee Ln, Sequim
2	BILL BIERY		Co Village gm Sequim
3	JAMIE PORTER		AGNEW WA
4	Jim Stoffer		530 American RLVD Sequim
5	Rebecca Horst	Rebecca L Horst	Downtown Sequim
6	Trina Bird	Katrina Bird	1531 Town Rd
7	Eric Fehrmann	Eric Fehrmann	102 W Washington Ste
8	Chad Kaiser	Chad Kaiser	4341 Sequim-Dungeness Way
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

Signed on April 2, 2024 in Port Angeles, Washington

Tsunami Warning, no earthquake: drive to high ground ASAP

Earthquake: When first quake subsides, walk quickly through the fields to Dungeness Heights above Sequim-Dungeness Way



Start here: 708-3 Crabs Rd

Pettett Lane

follow tree line

cross first tree line through or around gate

cross second tree line

turn at third tree line

right on Friendly Lane

left on Sequim-Dungeness Way to Brigadoon Blvd

right on Brigadoon to 211 past church

Golden Sands Blvd

3 Crabs Rd

Sea Lawn Dr

Meadow Dr

Bay Blvd

Sequim-Dungeness Way

Friendly Ln

Primrose Ln

Primrose Ln

The walk takes 45-60 minutes under good conditions

1. Start at Pettett lane with Tsunami Evacuation sign. 708 - 3 Crabs Rd.
2. Follow Pettett Lane (dirt road) to row of vegetation.
3. Turn left and follow tree line past two perpendicular rows of trees and through or around a gate.
4. Turn right at third row of trees.
5. Turn left at end of row to Friendly Lane
6. Right on Friendly Lane to Sequim Dungeness Rd
7. Left on Sequim Dungeness Rd to Brigadoon Blvd
8. Right on Brigadoon to 211 Brigadoon.

Public Comment
Margaret Walthall
4/2/24

EMERGENCY BACKPACK

Here are some of the things you should have in an emergency backpack or in your vehicle.

This evacuation map

Whistle, compass

Appropriate clothes to wear

- Hiking boots with wool socks
- Long pants, shirt, raincoat, sweater, hat, gloves
- Change of warm clothes
- Emergency blankets, ponchos

- Flashlight and/or headlamp
- Extra batteries
- Water
- Water purifiers
- Snack bars, dehydrated food
- 30 days of prescription drugs
- Walkie-talkie tuned to channel 11
- Hand crack or battery radio
- List of emergency contacts
- Important documents preferably on a thumb drive
- First aid supplies
- Personal hygiene supplies (tissue, plastic bags, hand wipes, hand sanitizers, wash cloths)
- Pets and pet food

Other _____

_____

_____

_____

_____

PRACTICING THE ROUTE

The walking evacuation route is through private property. Until we have permission, we will not be conducting practice walks along this route. But **DO USE** in emergency!

RESOURCES FOR WARNINGS

- NOAA radio for alerts
- Apps for alerts:
  - Earthquake
  - MyShake
- More information: https://dnr.wa.gov/tsunami

The Cascadia subduction tsunami will affect the entire West Coast from BC to northern California.

Sponsored by:
Clallam County Fire Department #3
Community Emergency Response Team

CERT COMMUNITY EMERGENCY RESPONSE TEAM

For more information: e-mail: czechenelly@ccfd3.org

CERT website: www.bellelealand.net/about-4

3 CRABS TSUNAMI EVACUATION ROUTES

TWO KINDS OF TSUNAMIS

are life threatening in this area

1) Cascadia subduction zone tsunami

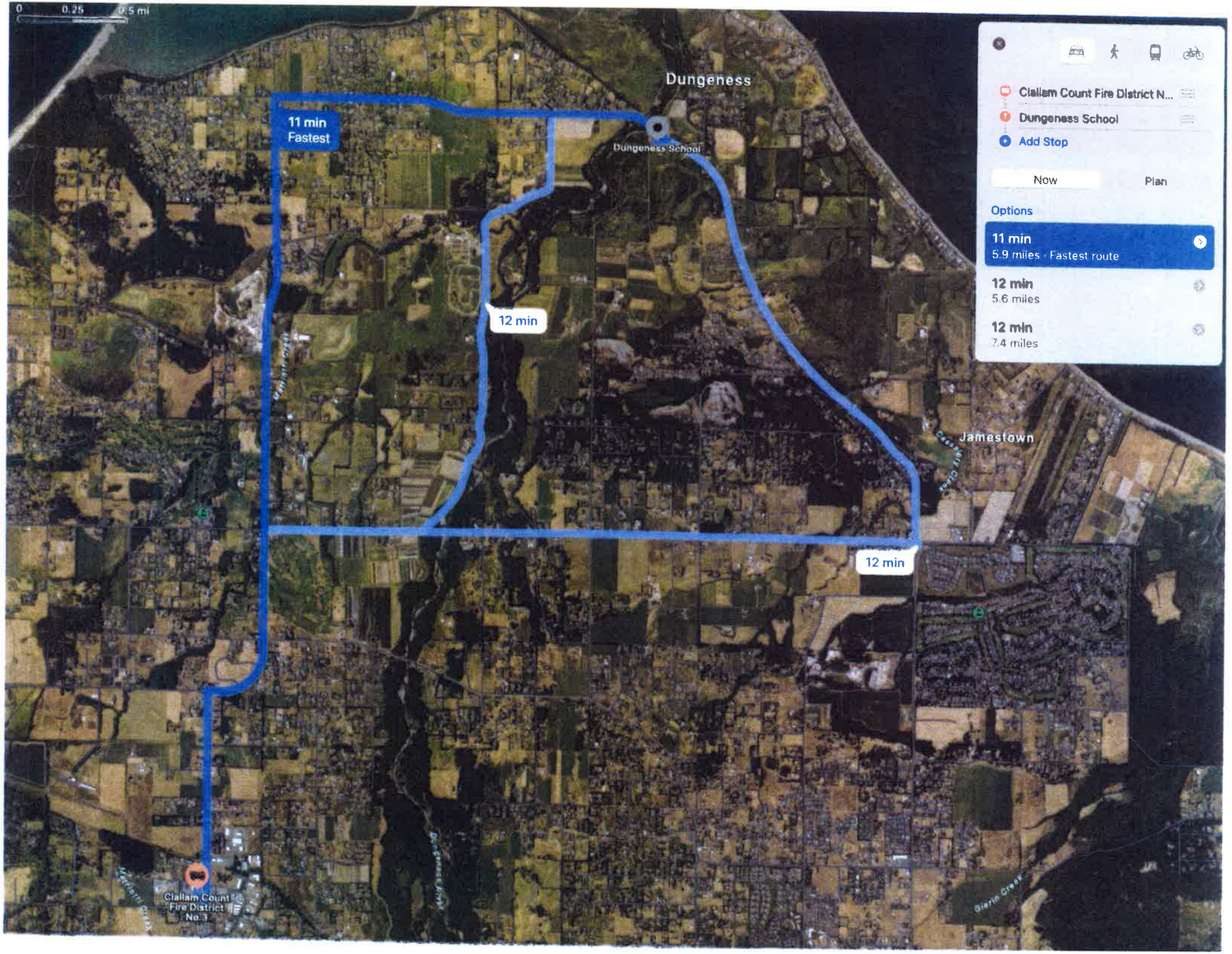
This is preceded by a violent 9.0 earthquake that can last up to 10 minutes. The resulting tsunami will arrive here in about 1 hour 20 minutes with 20-60 ft. waves. FEMA has predicted this to be the worst natural disaster in US history. According to geological records, it occurs every 300-350 years. The last one was in 1700. **The bridges and roads will be impassable by vehicle.**

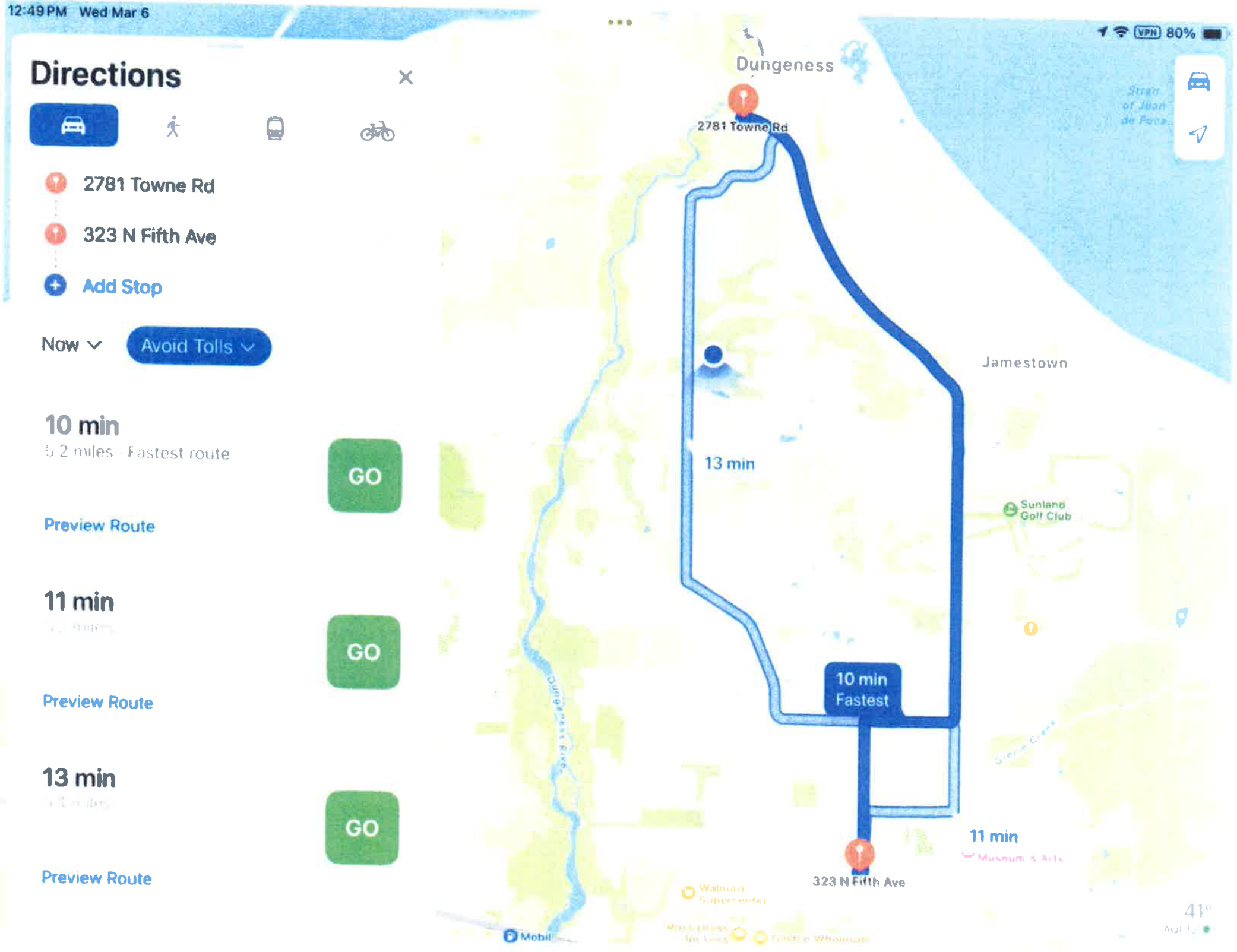
What to do: The quickest way to high ground is to walk through the fields as shown on the accompanying map. Bridges will be down.

2) Distant tsunamis

These originate usually in Alaska and can cause a tsunami that would reach the Juan de Fuca Strait in approximately 3 hours. We won't feel the earthquake and will only know that a tsunami is coming through emergency broadcasts.

What to do: Evacuate as soon as possible and drive out to higher ground as shown on the accompanying map. Have emergency supplies in your vehicle ahead of time.


0
0.25
0.5 mi
Dungeness
11 min
Fastest
Dungeness School
12 min
Jamestown
12 min
Clallam County
Fire District
No. 3
Clallam Count Fire District N...
Dungeness School
Add Stop
Now
Plan
Options
11 min
5.9 miles · Fastest route
12 min
5.6 miles
12 min
7.4 miles


12:49 PM Wed Mar 6
80%
Directions
2781 Towne Rd
323 N Fifth Ave
Add Stop
Now
Avoid Tolls
10 min
5.2 miles · Fastest route
GO
Preview Route
11 min
GO
Preview Route
13 min
GO
Preview Route
Dungeness
2781 Towne Rd
Jamestown
13 min
Sunland Golf Club
10 min
Fastest
11 min
323 N Fifth Ave
Mobil
41°

From: "Gores, Loni" <loni.gores@clallamcountywa.gov>
To: "Ozias, Mark" <mark.ozias@clallamcountywa.gov>, "Emery, Bruce" <Bruce.Emery@clallamcountywa.gov>, "French, Mike" <Mike.French@clallamcountywa.gov>, "Johnson, Randy" <randy.johnson@clallamcountywa.gov>, "Lear, Cathy" <cathy.lear@clallamcountywa.gov>, "Fleming, Holden" <Holden.Fleming@clallamcountywa.gov>
Sent: Wed, 27 Sep 2023 16:02:56 +0000
Subject: FW: Towne Rd. Emergency response

"My email address has changed! The new format is Loni.Gores@clallamcountywa.gov <mailto:Loni.Gores@clallamcountywa.gov> Please update my contact card as your earliest convenience, Thank you!"

Loni Gores

Clerk of the Board

Commissioners Office

223 East 4th Street, Suite 4

Port Angeles, WA 98362

Phone: 360-417-2256

From: Steve Chinn <schinn415@gmail.com>
Sent: Wednesday, September 27, 2023 6:11 AM
To: Gores, Loni <loni.gores@clallamcountywa.gov>
Subject: Towne Rd. Emergency response

27 September 2023

Dear County Commissioners,

As a retired firefighter/EMT and Fire Commissioner, I'd like to take a moment to address the Towne Road situation. I realize that the dilemma of whether to open Towne Road to traffic in the future is not

an easy question to answer and must weigh heavily on all of you.

In my 20+ years of responding to emergency calls in the fire district, I cannot recall ever driving over Towne Road to get to an emergency. As I look on the reasons why we never used Towne Road to get to an incident beyond the Old School House, we used the following limitations.

1. The old Towne Road had two hairpin turns where we had to slow to negotiate them. It would be safe to say, these were 10mph turns.

2. Towne Road north of Woodcock was like a narrow, restrictive corridor.

3. The local traffic entering Towne Road had limited visibility… thus we had difficulty seeing the traffic.

4. The hill off Forest Ridge required us to slow down

5. There was always deer on the roadway.

6. The roadway was impacted by seasonal weather conditions

Even at its best, an open roadway through to the School House, I believe would be slower and more hazardous for emergency vehicles.

Might I recommend two suggestions: 1). Estimate the safe travel time for a fire engine to take Towne Road to the School House from either the Sequim or Carlsborg station and compare it to using Sequim Dungeness or Anderson Rd. 2). Go to fire department staff and see how often they have used the roadway for an emergency response.

There is no doubt a lot of emotion involved with this. There are some people who are saying that homes were destroyed because of the slow response times. There are a lot of factors that lead to the loss of a structure. Response time is only one of those factors. To blame the loss of a home on a delay of two or three minutes may not be inaccurate.

Thank you for putting on the meeting at Guy Cole to inform the citizens of our community.

Feel free to contact me for clarification or further discussion.

Steve Chinn

(360) 460-8982

From: King, Brian brian.king@clallamcountywa.gov
Sent: Oct 09, 2023 17:51:07.000000000 UTC
Subject: FW: Towne Road
To: Ozias, Mark mark.ozias@clallamcountywa.gov
Cc: Mielke, Todd Todd.Mielke@clallamcountywa.gov; Cameron, Ron ron.cameron@clallamcountywa.gov

FYI..

This is the only question I have fielded from the public reference Towne Rd. I am not real concerned with law enforcement response times being unduly hampered.

Brian J. King
Sheriff
CLALLAM COUNTY SHERIFF'S OFFICE
223 E. 4th Street Suite #12
Port Angeles WA 98362
Office: 360-417-2544
Cell: 360-460-7273
Fax: 360-417-2498
Email: brian.king@clallamcountywa.gov

My email address has changed! The new address is brian.king@clallamcountywa.gov. Please update my contact card as your earliest convenience, Thank you!

-----Original Message-----
From: Jeff Tozzer <jeff.tozzer@gmail.com>
Sent: Monday, September 25, 2023 5:15 PM
To: King, Brian <brian.king@clallamcountywa.gov>
Subject: Re: Towne Road

Thank you Sheriff King. May I share your email with others who will be attending the public meeting tomorrow?

> On Sep 25, 2023, at 5:13 PM, King, Brian <brian.king@clallamcountywa.gov> wrote:
>
> Jeff,
>
> My apologies for not getting back to you sooner. I wanted to gain some additional perspective from our Deputies as well. I do not have anything officially prepared as you are the first to inquire. During my inquiry with Deputies, and looking at some calls for service data in the region, I cannot find any data that would suggest our response to emergency situations have been hampered by the closure.

Anecdotally, anytime you close a road response times (depending on the destination) could be affected. However, because there are several alternative or more preferred routes to the Dungeness area (like Sequim Dungeness Way), the impact has been very minimal. By the nature of our patrols, since they are fluid and you can't necessarily predict where you are going to be when you get a call, we look for the most efficient route from wherever we are dispatched from to get to our destination.
>
> In the rare but real instance that we were on patrol on East Anderson and need to get to a residence on Towne Rd quickly, the most efficient route would be to proceed south down Towne Rd from East Anderson. Scenarios like this certainly would have impacts to our response time.
>
> We are used to road closures and projects that present traffic disruptions. And we have to plan for workarounds. Closing a road would inevitably have some impact to public safety.
>
> I appreciate you reaching out to me for my perspective. I think the citizens of Sequim and Towne Road residents need to weigh in heavily on all the options being considered
>
>
> Brian J. King
> Sheriff
> CLALLAM COUNTY SHERIFF'S OFFICE
> 223 E. 4th Street Suite #12
> Port Angeles WA 98362
> Office: 360-417-2544
> Cell: 360-460-7273
> Fax: 360-417-2498
> Email: brian.king@clallamcountywa.gov
>
>
> My email address has changed! The new address is brian.king@clallamcountywa.gov. Please update my contact card as your earliest convenience, Thank you!
>
>
> -----Original Message-----
> From: Jeff Tozzer <jeff.tozzer@gmail.com>
> Sent: Monday, September 18, 2023 12:13 PM
> To: King, Brian <brian.king@clallamcountywa.gov>
> Subject: Towne Road
>
> Dear Sheriff King,
>
> I'm curious if the Clallam County Sheriff's Office has a public opinion about the possible permanent closure of Towne Road. There is

We, the undersigned as and concerned citizens of Clallam County and residents of the Towne Road neighborhood south of the levee, urge the Board of Clallam County Commissioners, the Department of Community Development and the Road Department to stop the paving of the Lower Dungeness Levee.

Name	Address	Date
Susan Lewis	81 Cougar Heights, Sequim WA	3/28/24
David Meier	30 Henkes Rd, Sequim WA	3/28/24
Lynne R. Harris	30 Henkes Rd, Sequim WA	3/28/24
Ann Kuster	80 Henkes Rd, Sequim WA	3/28/24
Joe Younger	110 Henkes Rd Sequim WA	3/28/24
Alan Graeber	182 Henkes Sequim	3/28/24
Nev Woodruff	61 Cougar Hgts Sequim	3/28/24
Leslie Schiller	61 Cougar Hgts "	3/28/24
JAMES STUART		
JAMES STUART	30 EDNA PL. "	3/28/24
APRIL LARSON	30 EDNA PLACE	3-28-24
SOMMER LARSON	30 EDNA PLACE	3 28 24
Vanessa Douglas	123 Forest Ridge Dr.	3/28/24
Matt Douglas	123 Forest Ridge Dr.	3/28/24
Jack Hueter	12 Edna Pl.	3/28/24
Emily Mastriann	31 Charles way	3/28/24
Michael Mastriann	31 Charles way	3/28/24

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Name	Address	Date
PAULA KOCH	110 COTTAGE LANE SEQUIM,	3/31/24
WILLIAM J KOCH	110 COTTAGE LANE SEQUIM,	3/31/24
✓ ALLAN BYRD	31 FOREST RIDE DR. SEQUIM	3/31/24
Judy Byrd	" " " " "	"
Edwards	913 Towne Rd Sequim	3-31-24
Miguel Lopez	110 Chilcher lane Sequim	3-31-24
Luz Maria Lopez	913 Towne Rd Sequim	3-31-24
Roberto Lopez	364 clover Ln Sequim	3-31-24
Yolanda Lopez	351 W. DEXTER ST Sequim	3-31-24
Abby Carl	1401 Towne Rd. Sequim	3.31.24
Morgan Carl	1401 Towne Rd. Sequim	3.31.24.
Erin Urquiza	1405 Towne Rd Sequim	3-31-24
Rob Thomas	1405 Towne Rd Sequim	3-31-24
LARRY DIGGS	1418 TOWNE RD. SEQUIM	3-31-24
✓ Dave Kelm	1416 Towne Rd Sequim	3/31/24
✓ Cynthia Kelm	1416 Towne Rd, Sequim	3/31/24
✓ margaret wallstall	McCougan Heights	3/31/24

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Name	Address	Date
Susan Boudreau	102 Madrona Terrace	March 31, 2024
Jenne Seela	242 Madrona Terrace	Mar. 31, 20
BRUCE TURNER	13 MARY JO Ln.	MAR 31, 20
joann, Gene McConnell	231 Madrona	3-31-202
Darlene & Larry McCoffey	100 Havenwood	3-31-2024
Michele Carson	1232 Towne Rd.	3/29/24.
Kevin Carson	1232 Towne Rd	3/29/24.
Donna Blasi	152 Charles Way	3/31/24
Frank Blasi	152 Charles Way	3/31/24
Steve McHugh	122 Charles Way	3/31/24
Vince Luman	42 Charles Way	3/31/24
Amber Robb	124 Gulls Ln	3/31/24
Danielle Wirth	41 Cottage LN	3/31/24
Kimberly Bang	41 COTTAGE LN	3/31/24
Michael Buckland	Michael Buckland	3/31/24
Ellen Teresa Buckland	92 Cottage Lane	3/31/24
Jon Buckland	92 COTTAGE LN	3/31/24

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Name	Address	Date
Kathleen Dean	201 Madrona Ter	3/30/24
Pam Carter	123 Madrona Ter	"
Shawn Henley	42 Madrona Ter	"
Nicole Henley	42 Madrona Ter	"
ROBERT PAGE	310LYMPIC PL	"
THERESA FOR	"	"
Annie Barrett	1007 Towne Rd.	
Nicholas Pearson	1007 Towne Rd..	
RICHARD STUMBAUGH	1005 TOWNE RD	3 3024
Ethel Colón	920 Towne Rd	3/30/2024
Stephany Andrade	1051 Towne Rd.	3/30/2024
[illegible]	170 Havenwood Ln	3/30/2024
JAKE PATTERSON	170 HAVENWOOD LN	3/30/24
Drew Emerson	1078 Towne Rd	4/1/24
Suzanne Mackey	72 Madrona Terrace	4/1/24
Paul Mackey	72 Madrona Terrace	4/1/24

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Name	Address	Date
Theresa Maday	62 Charles Way	3-28-24
JAMES ROBBINS	70 CHARLES WAY	3-28-24
ANNE	"	3-28-2
Anna Cramrine	82 Charles Way	3-28-24
James Reeves		
Briana Reeves	92 Charles Way	3-28-24
Megan Reeves	92 Charles Way	3-28-24
TAMARA DAVIS	142 Charles Way	3-28-24
Jeff DAVIS	142 Charles Way	3-28-24
PAUL BUTLER	112 CHARLES WAY	28 MAR 24
Russell Wyatt	1017 Towne Rd	29 march 2024
Kay Wyatt	1015 Towne Rd	" "
Cathy Martinez	1015 Towne Rd	29 March 2024
RICK BURNS	132 HENKES RD.	29 MARCH 202
Joy Burns	132 Henkes RD.	29 March 202
Diana Childs	62 Curlew Ct	3/29/24

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Name	Address		Date
LYDIA SIMMONS	406 FAT CAT LANE	SEQUIM	3/27/24
Paul Lucas	325 Buttercup Ln.	Sequim	3/27/24
Jean Grudzien	93 Buttercup Ln.	Sequim	3-30-24
Steve Grudzien	93 Buttercup Ln.	Sequim	3-30-2
[illegible]	350 Olympic Pl.	Sequim	3/30/24
Andrea Scheroncel	165 Havenwood Lane	Sequim	3/30/2
Ron Scheroncel	165 Havenwood Lane	Sequim	3.30.24
Janet S Poole	152 Madrone Ter	Sequim	3/30/2024
Carla Jordan	181 Madrona Ter	Sequim	3/30/24
Kelly McKillop	84 Madrona Ter	Sequim	3/30/24
Diane Schanz Miller	62 Jacob Lane	Sequim	3/30/24
Nora Kennedy	51 Forest Ridge	Sequim	4/1/24
Roy Allen	51 Forest Ridge	Sequim	4/1/24

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Name	Address	Date
✓ Jamie Porter	60 Lancaster, PA 98362	3/31/202
✓ Rae Heselbach	60 Lancaster Ln, PA 98362	3/31/24
✓ Charles Main	283 Buttercup Lane Sequim 98382	3/31/24
✓ Bill Biery	60 Village Grn Sequim 98382	3/31/24
✓ Derrick Eberle	2488 Towne Rd. Sequim 98382	3/31/24
✓ Bri Eberle	2488 Towne Road Sequim, WA 98382	3/31/2
✓ Josie Gonser	1461 Towne Rd Sequim, WA 98382	3/31/24
Josh Gonser	1461 Towne RD	4/1/24

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi: Kathy Lear
Re: Towne Road
Date: February 4, 2023

We the undersigned:

Understand the value of the Lower Towne Road Levee Project and appreciate the vision and years of work that went into making it a reality.

Support the option of closing Towne Road to through vehicle traffic (except in the case of emergency and or farm access).

See this as a very unique opportunity to showcase a premier river restoration project that will not only improve salmon habitat but complement and expand the incredible natural beauty and recreational opportunities the are at our doorstep.

Feel the relocated dike's highest and best use for the health of the community, the farms, and the salmon would be to preserve it as a linear park and wildlife viewing corridor. An ever increasing number of people are already enjoying it as such.

Name	Address
Katrina Berg	1531 Towne Rd Sequim
Brian Berg	1531 Towne Rd
Erin Urquia Elkins	1405 Towne Rd Sequim
Abby Carl	1401 Towne Rd. Sequim
Stan Gracbner	182 Hawkes
Margaret Gracbner	" "
Tom Steinbeck	1182 Towne Rd. Sequim
Steinbeck	
Steinbeck	1182 Towne Rd Sequim
[illegible]	1232 Towne Rd Sequim
YVONNE YOKOTA	1563 TOWNE Rd, SEQUIM
Pat McCollum	5250 Happy Valley Rd, Sequim
NAN BENSON	90 OLD COYOTE WAY, SEQUIM
Johnathan Hammond	[illegible] Sequim

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Name	Address
Frank Blasi	152 Charles Way
Klanna Mason Blasi	152 Charles Way
Brian Webb	121 Charles Way
PAUL BUTLER	112 CHARLES WAY
Clark Munro	117 Charles Way
Colleen Rayburn	101 Charles Way
DOUGLAS RAYBURN	101 CHARLES WAY
James Reeves	92 Charles Way
Brianna Reeves	92 Charles Way
[illegible]	98 Charles Way
James Robbins	70 Charles Way
Anne Robbins	70 Charles Way
[illegible]	62 Charles Way
[illegible]	30 EDNA PLACE
[illegible]	31 FOREST RIDGE DR
[illegible]	24 FOREST Ridge

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Name	Address
Diane Schanz Miller	62 Jacob Lane
Dave Kelm	1416 Towne Rd. Sequim
Cindy Kelm	1416 Towne Rd, Sequim

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi: Kathy Lear
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Name	Address
Lorinda K Becker	942 Towne Road, Sequim
[illegible] K Beck	942 Towne Road, Sequim

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi: Kathy Lear
Re: Towne Road
Date: February 4, 2023

We the undersigned:

Understand the value of the Lower Towne Road Levee Project and appreciate the vision and years of work that went into making it a reality.

Support the option of closing Towne Road to through vehicle traffic (except in the case of emergency and or farm access).

See this as a very unique opportunity to showcase a premier river restoration project that will not only improve salmon habitat but complement and expand the incredible natural beauty and recreational opportunities the are at our doorstep.

Feel the relocated dike's highest and best use for the health of the community, the farms, and the salmon would be to preserve it as a linear park and wildlife viewing corridor. An ever increasing number of people are already enjoying it as such.

Name	Address
Josie Gonser	1461 Towne Rd
Josh Gonser	1461 Towne Rd
Margaret Wallstedt	161 Longview Heights Dr
Rick Burns	132 HENKES RD.
Jo Burns	132 Henkes Rd.
A. Bhrenfeld	160 Havenwood Ln.
Abigail Ayers	120 Havenwood Ln
Darlene McCaffrey	100 Havenwood Cir.
Larry M Tapping	"
Joann McConnell	231 - Madrona
Dawn McConnell	"
Kate Dean	201 Madrona Ter,
Martha Campbell	161 Madrona Terrac
Jann R Ridle	152 Madrona Terrace
Pam Carter	123 Madrona "
Stan Riddle	" " "

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Name	Address
Kelly McKillip	84 Madrona Ter SEQUIM, WA 98382
Diana Childs	62 Curlew Ct. Sequim, WA 98382
Teresa Halsted	62 Curlew Ct. Sequim WA 98382
Jan Gianakis	62 Curlew CT, Sequim, WA 98382
Bonnie Booth	80 Henkes Rd
Joe Younger	110 Henkes Rd
Dave Emmett	Sequim WA 98382

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Name	Address
Helen Keegan	872 Towne Rd
[illegible]	973 TOWNE RD
Anne Barrett	1057 Towne Rd
Nick Peaslee	1007 towne Rd.
[illegible]	1005 TOWNE
Kwigart	1015 Towne Rd
[illegible] Wygant	1017 Towne Rd
Stephany Andrews	1051 TOWNE RD
Madison [illegible]	1414 TOWNE RD
[illegible]	1418 TOWNE RD
[illegible]	151 Jacob Lane

D L Vanderlee

Raymond Vanderlee

Charlene C. VanderLee

151 Jacob Lane

151 JACOB LN

151 Jacob Lane

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi; Kathy Lear
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Name	Address
Lynne R. Harris Lynne R. Harris	30 Henkes Rd, Sequim
David Malkson	30 Henkes Rd, Sequim
Dawn Snyder	11 Olympic Hy Sequim

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi: Kathy Lear
Re: Towne Road
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Name	Address
[illegible]	114 FOREST RIDGE DR.
Brett Glass	119 Forest Ridge Dr
Richard Cindi	152 Forest Ridge DR
Teresa Buckland	92 Cottage Lane
Paula M. Ford	110 Cottage Lane
W. Danny Fuchs	110 COTTAGE LANE
Guy Beal	113 Cottage Lane

To: Clallam County Commissioners; Clallam County Planning Department; Bruce Emery; Joe Donisi: Kathy Lear
Re: Towne Road
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Name	Address
JOSH BERGESEN	1653 TOWNE RD, SEQUIM 98382
WILLIAM BIERY	60 Village Grn Sequim, WA 98382
Mary Watson	242 Trailside Drive Sequim WA
Carolyn Kalina	91 E. Palmer St Sequim 98382
PAM MAURIDES	207 Pond Lane Sequim 98382

Greetings,

These signatures were collected door to door in the Towne Rd neighborhood, no social media was involved. Please be aware that should another petition exist in support of re-opening the road, it may have been announced on social media, which we feel would skew any comparison of the two.

The signatures included here are from residents living on Towne Rd north of Woodcock, including its many side streets and cul-de-sacs. Contact was not made at every residence as some people were not home, but a good number of them are accounted for.

While many folks have walked on the new levee and sincerely feel its best use might be for habitat restoration and non-vehicular recreation, we received much of the longstanding feedback too.

There were many comments that since the road has been closed to through traffic people feel much safer walking on the road as traffic volume and speed have reduced. People also commented on the reduction of noise pollution and physical litter. The folks living right here, by in large it seems, feel their livability is directly impacted by activity on the road and have concerns about environmental preservation.

You will see that the last page is a summary of feedback prepared by Heidi Steinbeck, as provided by residents in the Forest Ridge vein.

Signatures were obtained by Trina Berg, Yvonne Yokota, Heidi Steinbeck, Margaret Walthall, and Josie Gonser. We request they be formally recorded.

Thank you!

For questions or comments please contact Trina Berg (360) 461-7014, or Josie Gonser (218) 290-3003.

Public Comment
Bill Biery
4/2/24

April 2, 2024. Subject: Dungeness Floodplain Restoration

Dear Honorable Commissioners;

Thank you for the opportunity to provide comment on the continuing evaluation for the Towne Road portion of the floodplain restoration.

I am in favor of the trail concept to the exclusion of thru traffic for motor vehicles.

The trail concept is popular with recreation enthusiasts and provides many unique offerings.

1- The trail along the historically and culturally significant Mighty Dungeness river, I believe, cannot be overstated. The Dungeness is one of the most significant and critical river basins on the Olympic Peninsula.

2- There is significant support to maintaining the recreation trail. The opportunity to create a lasting environmental legacy exists now. The trail concept fulfills the need for residents and visitors to explore birding, wildlife habitat, and our natural environment. The trail concept is consistent with other river based restoration and conservation efforts and interests including protecting a natural Salmon bearing river. There is opportunity to inspire meaningful connection and stewardship responsibilities with the wild nature and beauty that we enjoy while living here.

3- Recreation opportunities abound around us. Commissioners' action can help sustain the principles of helping to maintain our relationship with the earth and our co-inhabitants. I believe that by providing the trail, we provide the place and inspiration for individuals to enjoy the outdoors, breathe fresh air and get exercise. In the current state, the trail is accessible for all of us to enjoy. A paved road for motor vehicle traffic does not accomplish these rewarding goals.

4- At a minimum, the 3-year stay as suggested by the Jamestown S'Klallam Tribe allows for a data collection period of time. The pause will allow for a more comprehensive understanding of the impacts, amount and types of usage and the benefits of this gift.

There exists an opportunity for Commissioners to make a lasting legacy in protecting this resource. I hope you will join the community and supporters in designating the trail.

Thank you for your consideration.

William Biery, Clallam County resident SEQUIM

Public Comment 4/3/24
Chuck Main

Gmail

Charles Main <cnlmain@gmail.com>

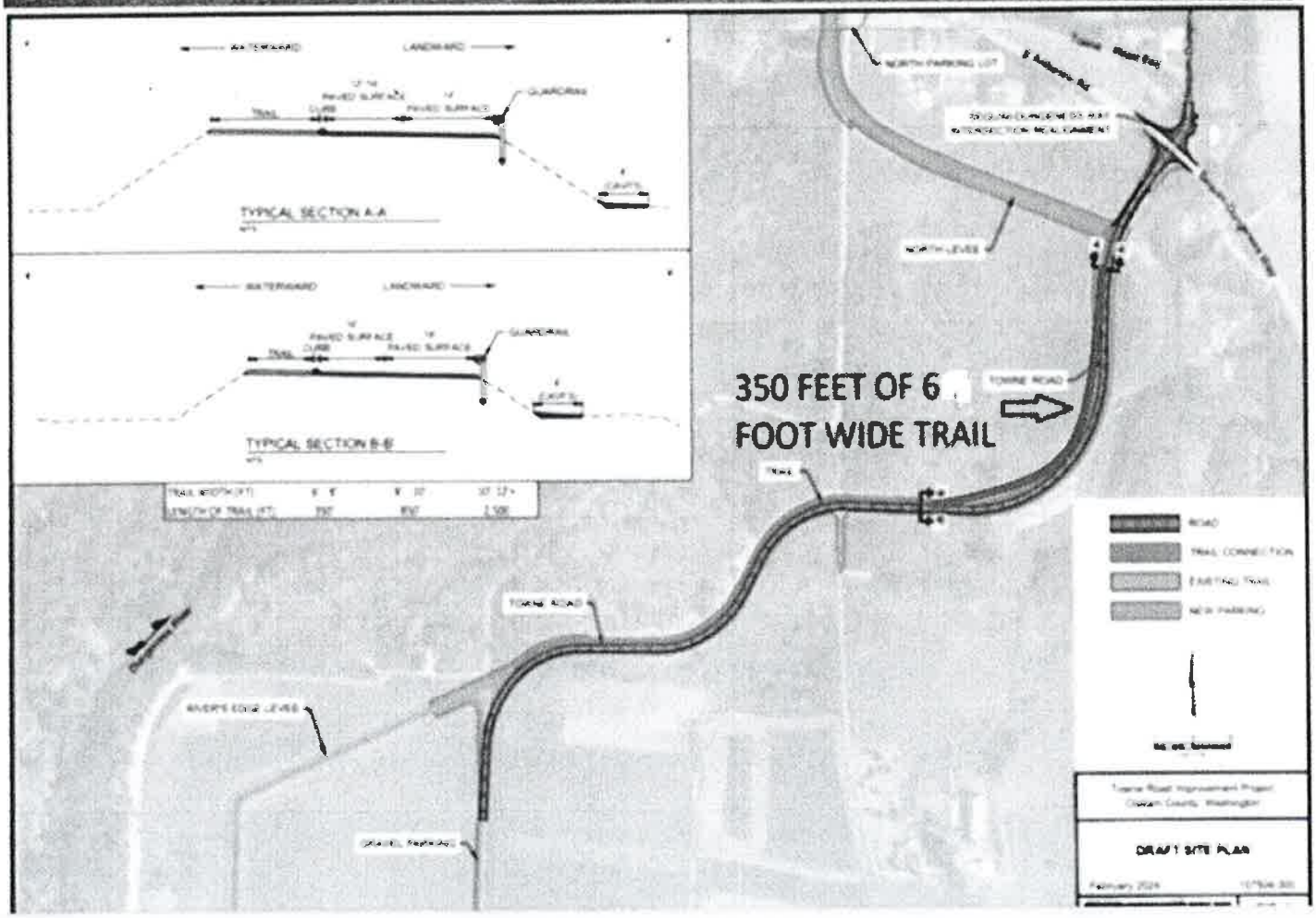
(no subject)
1 message

Charles Main <cnlmain@gmail.com> Tue, Apr 2, 2024 at 9:29 AM
To: Charles Main <cnlmain@gmail.com>

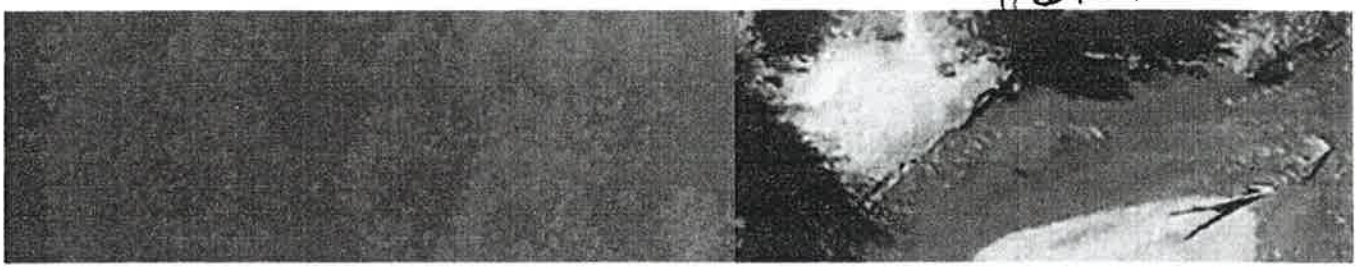
I realize that ~~the~~ you Commissioners here today and some before ~~them~~ you, along with many publics works people, have put in years of effort on this project that they may feel will have been wasted if Towne Road is not rejoined with the Anderson Sequim Dungeness artery. And I think it has become very easy as a result, especially for our dedicated road builders and maintainers, to focus now on the Road part of the project, which is, in the end, not the actual purpose of this extraordinary effort. It is an effort to reclaim a major piece of what was the original function in the natural world of the Dungeness floodplain as an essential place for our iconic salmon and other wild species to continue to exist in numbers sufficient for their future survival and continued immeasurable benefit to our community, to the world at large, and to those who have depended on them from time immemorial for their survival.

What has been created here is now just beginning to show what it really could be if it is allowed to remain as it is , rather than risk the damage that will very likely be done if the levee surface is paved and traffic is allowed to resume through this wetland environment that is so very sensitive to this kind of disruption. The original impetus for this return to the areas natural function was enhanced in the eyes of the local residents who have used it as a slightly more convenient route ~~to the increasingly more frequented parts of Sequim for shopping~~ To Sequim, by making plans, seen unfortunately as promises, to allow its continued use for that function, a function readily fulfilled by other routes and certainly more safely, both for them and for this newly created environment. There have been claims that one of these routes, Ward Road, will become a more serious source of ~~road runoff~~ river pollution than a road upon the levee. For one thing it is ignored that Ward ~~Road~~ river runoff will not occur along its full length, but only along a half mile of so of it, while the levee road is more than three quarters of a mile long. Furthermore, the *proposed, but not committed to* pollution control measures now known as calves from the CAVFS acronym for compost amended vegetated filter strips, these filter strips are expected to function as a 6- to twelve inch layer of absorbent soil placed at the base of the levee along its entire length directly on top of native wetland soils on its so-called landward side that in the winter months will already be saturated by the seasonal rains we get here in abundance over a few months. In many places along that length there is currently standing water--I have photos-- that would be absorbed by and saturate that filter strip and make it useless for its intended function as a protection for the waterway a few feet away that parallels the levee and that flows into Meadowbrook Creek, a salmon spawning and rearing habitat.

12 FEET WIDE
12 FEET WIDE
FOR 350 FEET


TYPICAL SECTION A-A
TYPICAL SECTION B-B
350 FEET OF 6
FOOT WIDE TRAIL
TOWNE ROAD
NORTH LEVEE
RIVER'S EDGE LEVEE
ROAD
TRAIL CONNECTION
DRAFT SITE PLAN

Public comment
Bri Eberle
4/[illegible]/24



As prime consultant, Shannon & Wilson is leading the project design team for design, permitting, and construction phase engineering services. The work includes fluvial geomorphology, multidimensional (2D) hydraulic modeling, erosion and scour protection, groundwater studies, sea level rise and climate change analysis, drainage studies, roadway reconfiguration designs, geotechnical stability analyses, and seismic analyses.

We are collaborating with Clallam County and the Jamestown S'Klallam Tribe, US Army Corps of Engineers, Washington Department of Fish and Wildlife, and the Washington State Department of Transportation in developing a restoration design that restores functional river floodplain and channel migration zone, while addressing potential project impacts and community concerns.

MARKETS SERVED

Water ›

Dams / Levees ›

Rivers / Shorelines / Wetlands ›

SERVICES PROVIDED

Geotechnical Engineering ›

Geologic Hazards ›

Natural Resources ›

OFFICE

Seattle ›

FROM SHANNON WILSON WEBSITE:
Morning of March 26, 2024

KEY PERSONNEL

Stan Boyle
Senior Vice President

Merci Clinton
Biologist

Sarah Corbin
Senior Biologist

shannonwilson.com/projects/191928

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OFFICE

Seattle ›

FROM SHANNON WILSON WEBSITE:
Afternoon of March 26, 2024

KEY PERSONNEL

Stan Boyle

Merci Clinton

Sarah Corbin

1C

APR 0 9 2024

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: BOCC

WORK SESSION ☒ **Meeting Date: 4-8-24**

REGULAR AGENDA ☒ **Meeting Date: 4-9-24**

Item summary:

☒ Call for Hearing
☐ Contract/Agreement/MOU - Contract #
☒ Resolution
☐ Proclamation
☐ Budget Item
☐ Draft Ordinance
☐ Final Ordinance
☐ Other

Executive summary:

City of Forks has submitted an application to request a grant from the Opportunity Fund in the amount of $295,000 for the City of Forks Waste Water Treatment Facility.
On March 28, 2024 the Opportunity Fund Advisory Board (OFB) convened in accordance with Clallam County Code 5.40 to consider the application submitted by the City of Forks.
The Wastewater Treatment Facility (WWTF) for the City of Forks requires significant improvements and retrofits to prevent catastrophic failure. The improvements are required to ensure redundancy with key components, to increase capacity necessary to respond to development, and to prepare for expansion of the sewer district to businesses and neighborhoods with a high probability of failed septic systems.
The Clallam EDC deemed the application met all requirements to be considered by the OFB and deemed it eligible for funding according to CCC 5.40.041.
The Prosecuting Attorney's Office has reviewed and approved of the application.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
$295,000 – Opportunity Fund

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Review application and request a call for hearing to hold hearing and request approval of a resolution on April 23, 2024.

County Official signature & print name: Loni Gores Loni Gores, Clerk

Name of Employee/Stakeholder attending meeting: Board of Commissioners, Opportunity Fund Board – Alan Barnard, Clallam EDC – Colleen McAleer, Prosecuting Attorney's Office and Finance Department

Relevant Departments: Board of Commissioners, Prosecuting Attorney's Office, Finance Department

Date submitted: March 28, 2024

PUBLIC HEARING
Proposed Grant from the Opportunity Fund for the
City of Forks Waste Water Treatment Facility

NOTICE: The Clallam County Board of Commissioners will conduct a public hearing on Tuesday, April 23, 2024 at 10:30 a.m., or as soon thereafter. The public hearing is to consider the Resolution listed above. The proposed Resolution is available on the County website https://www.clallamcountywa.gov/228/Comment-on-Proposed-Ordinances-Policies

Public comments are encouraged. Submit written comments to the address below before the hearing or present comments in person at the public hearing.

In compliance with the Americans with Disabilities Act, reasonable accommodations are available upon request. The facility is considered "barrier free" and accessible to those with physical disabilities.

PROPONENT: Clallam County Board of Commissioners
223 East 4th Street, Suite 4
Port Angeles, WA 98362-3015
Telephone: 360.417.2256

FORMAL IDENTIFICATION: Public Hearing to consider a Resolution proposed grant from the Opportunity Fund for the City of Forks Waste Water Treatment Facility

Publish: April 12 and 19, 2024
Bill: Board of Commissioners

Loni Gores, MMC, Clerk of the Board

RECEIVED
CLALLAM CO. COMMISSIONERS
MAR 28 2024
1...2...3...A...

MEMORANDUM FOR RECORD

TO: Clallam County Commissioners

CC: Clallam County Opportunity Fund Board Members
Mark Lane, Clallam County Chief Financial Officer
Colleen McAleer, Clallam County EDC Executive Director

FROM: Alan Barnard, Chairman of the Opportunity Fund Board

DATE: March 28, 2024

RE: Opportunity Fund Board Meeting – March 28, 2024 – City of Forks Waste Water Treatment Facility Supplemental Funding Request

On March 28, 2024 the Opportunity Fund Advisory Board convened in accordance with Clallam County Code 5.40 to consider an application from the City of Forks for a request in the amount of $295,000 in supplemental funding for retrofits to their Waste Water Treatment Facility (WWTF).

An abridged version of the application made by the City of Forks is attached.

The outcome of the meeting was to forward the application from the City of Forks for approval. The following motion passed unanimously:

> "The Opportunity Fund Board recommends to the Board of County Commissioners to approve a grant in the amount of $295,000 to support the increased costs for the City of Forks Waste Water Treatment Facility."

The Board also supported the use of funds as a contingency for the project as presented and if the funds were not needed as outlined in the bid documents that the funds should be used to purchase a new generator for the system.

The Clallam EDC deemed the application met all requirements to be considered by the Opportunity Fund Advisory Board and deemed it eligible for funding according to CCC 5.40.041.

Board members posed in-depth inquiries to the applicant regarding loan options and whether pursuit of state or federal funding could be obtained especially in light of the large amount requested.

We recorded the Opportunity Fund Board meeting, and it is available upon request. Should you require any additional information please contact me.

Sincerely,

Alan Barnard
Chair, Clallam County Opportunity Fund Board

Clallam County Board of Commissioners

223 East Fourth Street, Suite 4

Port Angeles, WA 98362

360.417.2233

OPPORTUNITY FUND APPLICATION

Section 1 – Applicant Information

Date: 28 Feb 2024	Project Title: Forks Wastewater Treatment Facility Improvements - Additional Funds – Contingency for Clarifier &/or Standby Generator Replacement
Local Government Applicant: City of Forks	
Contact: Rod Fleck, Attorney/Planner, Paul Hampton, Public Works Director; Caryn Depew, Clerk/Treasurer	
Address: 500 East Division Street, Forks, WA 98331	
City: Forks	Zip: 98331
Phone #: 360/374-5412	POC Email: rodf@forkswashington.org
Position of Authorized Signer: Mayor Tim Fletcher	

Section 2 – Attach a copy of your Detailed Description of Project Proposal including information regarding why the Opportunity Funds are necessary and other funding sought.

See current project narrative attached.

Section 3 – Application Funding Requested

Amount of Loan Requested:	$
Amount of Grant Funds Requested	$295,000
Local Government Match:	$1,024,524
Private Matching Funds: (if applicable)	$
State Matching Funds: (if applicable)	$
Federal Matching Funds: (if applicable)	$
Total Project Cost:	$3,682,731
Amount Raised to Date:	$3,400,134

Loan terms proposed: (*if applicable*)

Requested Rate of Interest:	
Total number of years for repayment:	
# of Years for Deferral Period: (if applicable):	
Type of Loan Payment Schedule: (Check One Type Below)	
Straight Line Amortization	
Decreasing Payments	
Increasing Payments	
Other (Specify in Project Proposal)	

If Opportunity Fund grant funding is being applied for explain the project's revenues will not have sufficient cashflow to support loan payments:

The utility budget is adopted with the anticipation that revenues will equal annual expenditures. There has been fluctuation in the ending fund balance from year to year resulting from whether expenditures occurred as anticipated. While the City maintains a cash-on-hand balance, that is maintained at the current level to address cash flow and unexpected/unanticipated expenses.

When City staff were in contact with Economic Development Agency (EDA) regarding

potential funding of the current need, it was determined that the revenues, at their current levels based upon existing rates, do not regularly produce enough excess funding to repay approximately $48,000 a year on a 30 year note associated with $1m in loan funding.

Additional information regarding this account can be found in the briefing presentation to our City Council regarding this utility funding source.

Section 4 – Project Site Information:

A) Link and page # detailing the project's inclusion in an officially adopted Clallam County overall capital facilities plan, or economic development section of Clallam County's comprehensive plan, or the comprehensive plan of a city within Clallam County:

See attached City Capital Improvement Plan page.

B) Include a site map of the area. Identify the location of the site, *and* public infrastructure (existing and/or proposed).

See attached map.

C) Project cost breakdown:

From the attached Current Project Narrative:

Funding to Date		Project Expenditures	
1. City of Forks	$1,024,523.64	1. Lowest Bid	$2,724,231
2. CC Opportunity Fund	$2,375,610.00	2. Construction Eng.	$635,925
Current Funds Available $3,400,133.64		3. Materials Testing	$30,000
		4. City Bid Expenses	$5,000
		5. Contingency CCOF Req.	$300,000
		Total Project Cost	***$3,695,156***

D) Specifically, for what element(s) of the project are Opportunity Fund Program (OFP) dollars being requested?

Contingency Funds/Standby Generator

E) Estimated schedule for project completion:

	Estimated Completion Date:
• Preliminary Engineering Report:	2019
• All permits obtained:	Completed
• Preliminary Design Plans:	Completed in 2021, revised 2022
• Land/Right-of-Way Acquisition	N/A – City Owned Property
• Prepare Bid Documents	Dec 2023/Jan 2024
• Award Construction Contract	18 April 2024
• Begin Construction	20 May 2024
• Complete Construction	30 April 2025
• Project Operational	15 May 2025
• Other:N/A	____

F) What other jurisdictions are involved in the planning, design, financing, construction, operation *or use* of this project? (cities, counties, state/federal agencies, tribes, etc.):
The City has received Clallam County Opportunity Funds as noted above.

G) Will the applicant maintain the project? If not, who will be responsible for its maintenance?
Yes. This is a city utility and the city is responsible for the maintenance and upkeep of the system that is used to operate the utility. City council will be considering increasing the existing rates to address additional capital project needs for the utility.

Section 5 – Affordable Workforce Information (If applicable)

A) Does this project directly fund infrastructure related to Affordable Workforce Housing?

Yes	
No	XX

If no, skip to Section 6.

B) If applicable, describe the number of workforce housing units in project that would receive funding if approved:

	Leased	Fee Simple	What's your target Area Median Income (AMI)
Type of Units: (e.g., Single Family Residential, fourplex, apartment, etc.):			
# of Units in Type:			
# of Bedrooms per Unit:			

C) 100% of Clallam County's Area Median Income (AMI) used for this application:

D) Source used to determine most recent year available for Clallam County's AMI:

E) Describe whether the housing will be for a single person, family, or unrelated persons or a combination:

F) If applicable, describe the procedures that will be followed to ensure the occupants are in the workforce and meet the 120% AMI threshold:

Section 6 – Private Sector Commitment or Involvement (if applicable)

A) Identify private sector firm(s) and contact person(s) involved in the project:

Private Entity: Parametrix - Consulting Engineers for the Project
POC at Entity: Allan Maas, PE
POC Telephone: 253-604-6621
Will entity locate to Project Site? *No. They are only the engineering firm hired to assist the City with this project.*

B) Explain the private sectors involvement in the project. Why does the private sector require the proposed public infrastructure improvements?

As noted in the original application, the Forks Sewer District includes 126 commercial users, 160 low-income apartment units, 127 trailers in six trailer courts predominantly low to moderate income, and 257 single family residential units of low to moderate

income levels. Low to moderate income within the District is in comparison to the County's median household income. Forks median income is approximately 65% of the County's median income based upon the U.S. Census' American Community Survey numbers.

C) Type of jobs to be created/retained:

	# Jobs Retained	# Jobs Created	Ave Annual Wage
Management/Admin (exclusive of owners)			
Supervisors/Professional			
Entry Level Workforce			

The City utilized information on the PPP applications associated with COVID relief in its 2021 application. That information identified at least 934 individuals employed within the District. The District includes the central downtown core of Forks, the Forks Community Hospital, Quillayute Valley School District, WA Department of Natural Resources, and the Olympic Natural Resources Center.

D) Projected annual gross payroll *(exclusive of owner group)*:

1-3 Years:	$
3-5 Years:	$
5-10 Years:	$

The 2021 application noted that the annual payroll of businesses within the District was "conservatively $47,195,449" inclusive of the Forks Community Hospital and the Quillayute Valley School district. This was based upon the PPP applications submitted from federal assistance associated with COVID response.

E) Does the Private Entity commit to signing a standard NDA and to allow a representative from the Clallam EDC to review their Annual Payroll Report to confirm job creation and payroll when requested within the first ten-year term? (check one)

Yes	
No	

Not Applicable

Section 7 – Financial Information of Applicant

This section examines the general financial status of the applicant.

A) Provide the most current annual financial report reviewed by the State Auditor. If the most current year is not representative of the past five years, please provide additional information or reports.

See attached SAO Audit for the City dated 2023.

B) Identify funds (General Fund, Utility Fund, etc.) that will be eligible to repay an OFP loan. If any funds cannot be used to service OFP debt, please explain. If a particular fund or revenue source has been identified for repayment of the loan, please describe.

None. See Current Project Proposal and the attached City Council Briefing.

Section 8 – Declaration

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IN THIS APPLICATION TO THE OPPORTUNITY FUND BOARD IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Signature of responsible official: _____

Print or Type Name and title: Tim S Fletcher Mayor

City of Forks – Current Project Proposal – Request for Contingency Funds/Standby Generator

The City is requesting Up to $295,000 in additional Opportunity Funds from Clallam County to be utilized as (1) contingency for the Second Clarifier Project currently bid; and/or, (2) if said contingency is not completely utilized for those funds not utilized to be made available for the City's acquisition of a Standby Generator to ensure plant operations in a multi-day power outage.

The County Board of Commissioners, upon a recommendation of the Opportunity Fund Board, granted the City the sum of $2,375,610 to undertake a proposed group of improvements to the City's Wastewater Treatment Facility (WWTF). As part of the application, the City reaffirmed its commitment of $1,024,523.64 to the project. This City/"Local Match" represented 94.5% of the funding received by Forks from the congressionally authorized America Rescue Plan Act dollars for local COVID emergency and recovery efforts. The application utilized a list of project estimates obtained from the City prior to the COVID pandemic.

Included in that list of projects, were estimated costs, inclusive of engineering, for each of the proposed projects. These existing estimates were utilized in the development of the original Opportunity Fund application and grant.

After funding was awarded, the City made a solicitation for qualifications from engineers. There was no response to the City's advertised request for qualifications. A second request was advertised and the City selected Parametrix to the engineering firm for this project. With this expertise, the City was able to proceed with the project.

In late 2022, Parametrix notified Public Works Director Paul Hampton of a significant price variation between the pre-pandemic cost estimates and current pricing for the various project components. This information was shared with fellow project lead Audrey Grafstrom, City Clerk and Treasurer. However, she was unable to work on the potential impact of that information due to her sudden health decline. With her passing in February 2023, the City found itself focusing on all aspects impacted by the loss of Audrey.

Months later the implications of this additional information came into stark focus as the City explored the impact of significant price increases seen by Parametrix, as well as other government and private entities on the Peninsula. Included in this re-evaluation was not only project costs, but the full array of the engineering work that would be necessary to ensure the project met the various requirements of the Department of Ecology. In effect, the initial project costs used for the application were significantly below current market prices involving not only construction costs and pricing, but also engineering costs. The City notified the County staff and members of the Board of Commissioners. Parametrix recommended that the City focus on the top priority, the second clarifier, and if possible the acquisition of a new, properly sized, 200kw Standby Generator.

Understanding that the project had changed, the City informed County officials. Further, realizing that additional time may be needed to bring a portion of the original project to completion, the City also requested from the County a contract extension associated with the granted county funds. Obtaining this extension, the City proceeded with the development of bid documents by Parametrix for the construction of the second clarifier.

The responses to the City's request for bids for the construction for the second clarifier were received in December 2024. The lowest bid, plus costs for the construction related engineer, associated material testing,

and contingency funds well exceeded the remaining available funds for the clarifier project, let alone for the purchase of the standby generator. With the need for more than $600,000 in additional funding to complete the revised project using the lowest responsible bidder in the first bids, the City asked Parametrix to review the proposed project and identify cost savings that could be made in a rebid. Further, the Mayor and City staff began reviewing the WWTP associated utility revenues and funding. Finally, efforts were made to reach out to potential state and federal funding sources to determine if additional funding sources could be obtained to complete the modified project.

With the potential for a lower bid as a result of the Parametrix and City review, the City Council rejected the two received bids and authorized the Mayor and staff to proceed with rebidding the project. Parametrix developed revised bid packets and bids were solicited for delivery to the City on 21 Feb 2024. The Mayor and staff also developed the attached initial discussion packet for the City Council regarding the City's waste water utility revenue and project needs.

On 21 Feb 2024, the City opened the two bids received from the second solicitation for bids. The apparent lowest responsible bidder's bid amount of $2,724,231 created the potential for the project to proceed. However, when the addition of the construction related engineering and material testing costs were calculated, the project had a contingency fund of less than $5,000. Parametrix suggested that a four percent (4%) contingency would be necessary for the project now totaling $3,000,000. That would amount to $120,000. However, most governmental agencies tend to utilize a contingency amount of 10% for the contingency. That amount would be $300,000. The following is the current breakdown of funding:

Funding to Date		Project Expenditures	
1. City of Forks	$1,024,523.64	1. Lowest Bid	$2,724,231
2. CC Opportunity Fund	$2,375,610.00	2. Engineering (Parametrix)	$635,925
Current Funds Available $3,400,133.64		3. Materials Testing	$30,000
		4. City Bid Expenses	$5,000
		5. Contingency CCOF Req.	$300,000
		Total Project Cost	***$3,695,156***

The received bids are valid for sixty days from 21 Feb 2024. The City is requesting an additional amount of $295,000 to be utilized as a contingency on the construction of the secondary clarifier. The granting of this additional amount would allow the project to proceed after formal award and contracting with the apparent lowest responsible bidder.

If the management of the project results in the requested, and hopefully granted, contingency funds not being used to the amount as expected by the City (10%) and closer to that projected by Parametrix (4%), the City would ask for permission to acquire the 200 Kw Standby Generator. Currently that is estimated at $150,000. The new on-site, fixed-in-place generator would be able to run the entire WWTP, its various processing equipment, when utility outages occur. Digital messaging would provide treatment updates on the functioning of the generator in relationship to the WWTP operations. The outdoor-rated, soundproof enclosed generator would have the fuel capacity to operate for 48-72 hours of full electrical load run time capacity. If, however,

the contingency funds are necessary to complete the secondary clarifier, the City would pursue other funding avenues for the acquisition of the generator.

Subsequent necessary improvements to the City's WWTP will require the City Council to determine the best approach to addressing the limited excess revenue needed to pay for or pay any potential state or federal financing options for the costs of those improvements.

2a
APR 09 2024

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Parks, Fair, and Facilities

WORK SESSION ☐ **Meeting Date:**

REGULAR AGENDA ☒ **Meeting Date: 4.9.2024**

Required originals approved and attached? ☐
Will be provided on:

Item summary:

☐ Call for Hearing
☐ Contract/Agreement/MOU - Contract # N/A
☐ Resolution
☐ Proclamation
☐ Budget Item
☐ Draft Ordinance
☐ Final Ordinance
☒ Other: Bid Opening

Documents exempt from public disclosure attached: ☐

Executive summary: Notice to open bids: Lake Pleasant Boat Launch Piling Replacement Project #2304PR.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐ **Funds for this project have been approved in the 2024 Capital Budget and RCO Boating Facilities Grant. The project proposed cost $140,000.00.**

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Parks, Fair, and Facilities Department recommend approval of this project. -Bid opening

County Official signature & print name: _____ Don Crawford.

Name of Employee/Stakeholder attending meeting: Don Crawford.

Relevant Departments: Parks, Fair, and Facilities Department.

Date submitted: 02.7.2024.

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* Work Session Meeting - Submit 1 single sided/not stapled copy Agenda Item Summary Bid Opening- Lake Pleasant Community Beach County Park Boat Launch Piling Replacements
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies) Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256

MAR 19 2024

CLALLAM COUNTY PARKS, FAIR & FACILITIES DEPARTMENT
NOTICE OF CALL FOR BIDS

SEALED BIDS will be received by the Board of Clallam County Commissioners 223 East Fourth Street, Room 150, Port Angeles, Washington until **10:00 a.m. on Tuesday, April 9, 2024** for:

CLALLAM COUNTY
- LK. Pleasant Piling Replacement Bid –

Complete drawings and specifications may be obtained from Pen Print, Inc., Phone 360.457.3404. All bidding and related questions shall be directed to Don Crawford, Clallam County Parks, Fair, & Facilities., Phone: 360.417.2429 or Email: Donald.crawford@clallamcountywa.gov

The sealed bids must be clearly marked on the outside of the envelope, "**BID PROPOSAL – CLALLAM COUNTY – LK. Pleasant Piling Replacement Bid.** Address bid proposal to: Board of Clallam County Commissioners, 223 East 4th Street, Suite 4, Port Angeles, Washington 98362 or hand-deliver to 223 East 4th Street, Room 150, Port Angeles, Washington. Bid documents received late by the Commissioners' Office, delivered to other offices, received by fax or email or by any other means will not be considered. **Late bids will be returned unopened.**
Note: All Bids shall include a 5% Bid Bond on a form approved by Clallam County.

Clallam County hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined in Title VI of the Civil Rights Act of 1964 at 49 CFR Part 23 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

Clallam County will determine the lowest responsible bidder in accordance with the terms of Clallam County Code Section 3.12.070 and reserves the right to reject any or all bids and to waive minor informalities in the process or to accept the bid, which in its estimation best serves the interests of Clallam County.

Bidders on Washington State Dept. of Labor & Industries or federal debarment list are prohibited from bidding on this project.

Construction Timeframe: 120 Calendar Days from Agreement Approval

A pre-bid walk-through will be conducted on Friday, March 29, 2024 @ 2:00 PM. All interested bidders are to meet at the project site, located at 10 Picnic Loop Beaver, WA. This will be the only opportunity for bidders to review the as-built conditions. Owner and/or the Owners representative will be on site throughout the afternoon to answer questions and provide access for bidders. A bidder's absence will be considered as part of the Bidder responsibility criteria as set forth in the Specifications and Contract Documents.

APPROVED this 19 day of March 2024.

BOARD OF CLALLAM COUNTY COMMISSIONERS:

Mike French, Chair

ATTEST:

Loni Gores, Clerk of the Board

CLERK OF THE BOARD CLALLAM COUNTY COMMISSIONERS PORT ANGELES, WA

Publish: **March 22 , & March 29, 2024**(PDN)
Bill: Clallam County Parks, Fair, & Facilities

END OF SECTION 00100

Clallam County Parks, Fair & Facilities Department

Lake Pleasant Community Beach County Park
-Boat Launch Piling Replacements-

Located at 10 Picnic Loop Beaver, WA 98305

PROJECT NUMBER:
#2304PR

March 2024

Consultant:

Watersmith Construction, Inc.
5018 Lambskin St.
Tumwater, WA 98512
Phone: 360.412.0202
Email: singingwaters@sbcglobal.net

Owner Representative:

Clallam County Parks, Fair & Facilities Department
223 East 4th Street, Suite 7
Port Angeles, WA 98362
Contact: Don Crawford, Director
Phone: 360.417.2429
Email: Donald.crawford@clallamcountywa.gov

For the:
BOARD OF CLALLAM COUNTY COMMISSIONERS
Mike French, Chair
Randy Johnson
Mark Ozias

PROJECT MANUAL

BID PROPOSAL FORM

Project Name: **Clallam County Lk. Pleasant Piling Replacement Project**
Project Number(s): **#2304PR**

To: **CLALLAM COUNTY PARKS, FAIR & FACILITIES DEPARTMENT**

Submission of this bid proposal certifies that the Undersigned has examined the project site and the conditions of work; and has carefully read and thoroughly understands the Bidding Documents governing the work embraced in this project, and the method by which payment will be made for said work. The Undersigned hereby proposes to undertake and complete the work embraced in this project in accordance with said Bidding Documents and agrees to accept as payment for said work the amounts indicated below under Bid Proposal. The base bid shall include all work except that indicated in the Alternates.

The Undersigned acknowledges that payment will be based on the actual work performed, as measured or provided for in accordance with the said contract documents; Base Bid, Alternates and Unit Prices shall not include State of Washington Sales Tax. Contractor shall pay state sales tax and the County will pay appropriate sales tax to the contractor. Appropriate sales tax is to be added to invoice amounts after award of bid.

BID PROPOSAL

1. BASE BID AMOUNT:

_____dollars($_____).

2. ALTERNATE BID AMOUNT:

_____dollars($_____).

3. TOTAL BID:

_____dollars($_____).

CONTRACTOR'S CERTIFICATION OF BIDDING & CONTRACT DOCUMENTS

By signing this form, the Contractor certifies that based on the Contractor's knowledge and review, that the Contractor finds the Bidding Contract Documents sufficiently complete and in sufficient detail to perform the work required.

NON-COLLUSION STATEMENT

By signing this proposal, the Contractor certifies that he/she has not participated in any collusion, or otherwise taken action in restraint of free competitive bidding in connection with this project for which this proposal is submitted.

NON-DISCRIMINATION

The Contractor hereby agrees to not discriminate against any person on the basis of race, creed, political ideology, color, national origin, sex, marital status, sexual orientation, age or presence of any sensory, mental or physical disability.

INDEPENDENT CONTRACTOR STATEMENT

The Contractor certifies that services shall be furnished by the Contractor as an independent contractor and nothing herein contained shall be construed to create a relationship of employer/employee or master/servant, but all payments made hereunder and all services performed shall be made and performed pursuant to this Agreement by the Contractor.

ADDENDA

Receipt of Addenda(s) numbered _____
is hereby acknowledged and all costs of the Work therefore have been included in the Bid Proposal.

BIDDER NAME AND SIGNATURE

The name of the Bidder submitting this proposal, the address and phone number to which all communications concerned with this proposal shall be made, and the number which has been assigned indicating the Bidder is licensed to do business in the State of Washington are as follows:

Firm Name:

_____

Address: _____ Telephone (____) _____

_____

Contractor's License No. _____ Exp.Date _____

The firm submitting this proposal is a:

_____ Sole Proprietorship
_____ Corporation
_____ Partnership

The names and titles of the principal officers of the corporation submitting this proposal, or of the partnership, or of all persons interested in this proposal as principals are as follows:

_____ _____
_____ _____

SIGNATURE OF AUTHORIZED OFFICIAL(S)

(PROPOSAL MUST BE SIGNED) _____

_____(Seal)

FIRM NAME _____

END OF SECTION 00300

ARTICLE 1 - STATEMENT OF BIDDER'S QUALIFICATIONS

Upon notification of intent to award bid, Contractor shall complete and submit the below information within three days of notification by Owner.

1. Name of Bidder: _____
2. Business Address: _____
3. How many years has said bidder been engaged in the contracting business under the present firm name? _____
4. Contracts now in hand (Gross Amount): _____
5. General character of work performed by said company:

   _____
6. List of more important projects constructed by said company, including approximate costs and dates:

7. List of company's major equipment:

8. Bank references:

9. Department of Labor and Industries Firm No.: _____
10. Department of Revenue Registration: _____

_____ _____
Name of Bidder Title

_____ _____
By Date

ARTICLE 2 - STATEMENT OF PROPOSED SUB-CONTRACTORS AND MAJOR MATERIAL SUPPLIERS

The Contractor shall submit a complete list of all major material suppliers and a sub-contractor's list within three days of notification of Bid award or upon request by the Owner. NOTE: Per RCW39.30.060, projects expected to cost one million dollars or more are required, as part of the Bid or within one hour after the published Bid submittal time, to submit a subcontractor list. Failure to submit this information shall render the Bid Nonresponsive. (See RCW39.30.060 for full text)

SUB-CONTRACTOR'S LIST:

NAME & ADDRESS	DESCRIPTION OF WORK/MATERIAL

MATERIAL SUPPLIERS LIST:

MATERIAL SUPPLIERS	DESCRIPTION OF WORK/MATERIAL

ARTICLE 3 - RETAINAGE INVESTMENT OPTION DECLARATION

CONTRACTOR: _____

PROJECT NAME: **Clallam County Lk. Pleasant Piling Replacement Project**

PROJECT NO.: **#2304PR**

DATE: _____

Pursuant to RCW 60.28.011, as amended, you may choose how your Retainage under this contract will be held and invested. Please complete and sign this form indicating your preference. If you fail to do so, the County will hold your Retainage as described in "Current Expense" Option 1 below:

_____ 1. Interest Bearing Account: The County will deposit Retainage checks in an interest bearing account in a bank, mutual savings bank, or savings and loan association, not subject to withdrawal until after the final acceptance of the improvement or work is completed, or until agreed to by both parties. Interest on the account will be paid to you.

_____ 2. Escrow/Investments: The County will place the Retainage checks in escrow with a bank or trust company until thirty days following the final acceptance of the improvement or work as completed. When the moneys reserved are to be placed in escrow, the County will issue a check representing the sum of the moneys reserved payable to the bank or trust company and you jointly. This check will be converted into bonds and securities chosen by you and approved by the County and these bonds and securities will be held in escrow. Interest on these bonds and securities will be paid to you as interest accrues.

_____ 3. The Contractor may at his/her option choose to not submit a performance bond and agrees to a 50% Retainage in lieu of a performance bond. Retainage to be released when Contract is complete and all paperwork submitted. (Pertains to projects under $35,000.00 only)

Retainage is normally released 30-60 days after final acceptance of work by the County, or following receipt of Labor and Industries Department of Revenue clearance, whichever takes longer.

_____
(Contractor's Signature)

_____
(Title)

ARTICLE 4 - PERFORMANCE AND PAYMENT BOND FORM

PERFORMANCE BOND FOR
CLALLAM COUNTY, WASHINGTON

Bond No. _____

WE, _____ d/b/a _____
(Insert legal name of Contractor) (Insert trade name of Contractor, if any)

(hereinafter "Principal"), and _____ (hereinafter "Surety"), are held and firmly bound unto **CLALLAM COUNTY, WASHINGTON** (hereinafter "County"), as Obligee, in an amount (in lawful money of the United States of America) equal to the total compensation and expense reimbursement payable to Principal for satisfactory completion of Principal's work under Contract No. _____ between Principal and County, which total is ***initially*** _____ _____Dollars ($_____), for the payment of which sum Principal and Surety bind themselves, their executors, administrators, legal representatives, successors and assigns, jointly and severally, firmly by these presents.. Said contract (hereinafter referred to as "the Contract") is for _____ and is made a part hereof by this reference. The Contract includes the original agreement as well as all documents attached thereto or made a part thereof and amendments, change orders, and any other document modifying, adding to or deleting from said Contract any portion thereof.

This Bond is executed in accordance with the laws of the State of Washington, and is subject to all provisions thereof and the ordinances of County insofar as they are not in conflict therewith, and is entered into for the use and benefit of County, and all laborers, mechanics, subcontractors, and materialmen, and all persons who supply such person or persons, or subcontractors, with provisions or supplies for the carrying on of the work covered by Contract No. _____ between the below-named Contractor and County for _____, a copy of which Contract, by this reference is made a part hereof and is hereinafter referred to as "the Contract." (The Contract as defined herein includes the aforesaid agreement together with all of the Contract documents including addenda, exhibits, attachments, modifications, alterations, and additions thereto, deletions therefrom, amendments and any other document or provision attached to or incorporated into the Contract)

THE CONDITION OF THIS OBLIGATION is such that if Contractor shall promptly and faithfully performs the Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

THE PARTIES FURTHER ACKNOWLEDGE & AGREE AS FOLLOWS:

(1) Surety hereby consents to, and waives notice of, any alteration, change order, or other modification of the Contract and any extension of time made by County, except that any single or cumulative change order amounting to more than twenty-five percent (25%) of the penal sum of this bond shall require Surety's written consent.

(2) Surety recognizes that the Contract includes provisions for additions, deletions, and modifications to the work or Contract Time and the amounts payable to Contractor. Subject to the limitations contained in paragraph (1) above, no such change or any combination thereof, shall void or impair Surety's obligation hereunder.

(3) Whenever County has declared Contractor to be in default and County has given Surety written notice of such declaration, Surety shall promptly (in no event more than thirty [30] days following receipt of such notice), specify, in written notice to County, which of the following actions Surety intends to take to remedy such default, and thereafter shall:

(a) Remedy the default within fifteen (15) days after its notice to County, as stated in such notice; or
(b) Assume within fifteen (15) days following its notice to County, full responsibility for the completion of the Contract in accordance with all of its provisions, as stated in such notice, and become entitled to payment of the balance of the Contract sum as provided in the Contract; or
(c) Pay County upon completion of the Contract, in cash, the cost of completion together with all other reasonable costs and expenses incurred by County as a result of Contractor's default, including but not limited to those incurred by County to mitigate its losses, which may include but are not limited to

attorneys' fees and the cost of efforts to complete the work prior to Surety's exercising any option available to it under this Bond; or

(d) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon a determination by County and Surety jointly of the lowest responsible bidder, arrange for one or more agreements between such bidder and County, and make available as work progresses (even though there is a default or a succession of defaults under such agreement(s) for completion arranged for under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the penal sum of this Bond. The term "balance of the Contract price," as used in this paragraph, shall mean the total amount payable by County to Contractor under the Contract, less the amount properly paid by County to Contractor.

(4) If County commences suit and obtains judgment against Surety for recovery hereunder, then Surety, in addition to such judgment, shall pay all costs and attorneys' fees incurred by County in enforcement of County's rights hereunder. The venue for any action arising out of or in connection with this bond shall be in Clallam County, Washington.

(5) No right or action shall accrue on this Bond to or for the use of any person or corporation other than Clallam County, and to the extent required under RCW Ch. 39, all laborers, mechanics, subcontractors, and materialmen, and all persons who supply such person or persons, or subcontractors, with provisions or supplies for the carrying on of the work covered by the Contract.

(6) No rider, amendment or other document modifies this Bond except as follows, which is hereby incorporated herein.

(7) Surety shall give to Principal and to County not less than sixty (60) days' prior written notice by certified mail, return receipt requested, of the effective date of the expiration or cancellation of this bond.

(8) Principal must provide County with a replacement bond, acceptable to County, not less than thirty (30) days before the effective date of this bond's expiration or cancellation as specified in the Surety's notice provided pursuant to Condition (7).

(9) If Principal fails to provide the replacement bond not less than thirty (30) days before the effective date of this bond's expiration or cancellation as specified in the Surety's notice provided pursuant to Condition (7) above, such failure shall constitute a default under this bond, for which County may make a claim, and Surety shall be obligated to make immediate payment under this bond of all sums.

SURETY'S QUALIFICATIONS: Every Surety named on this bond must appear on the United States Treasury Department's most current list (Circular 570 as amended or superseded) and be authorized by the Washington State Insurance Commissioner to transact business as a surety in the State of Washington. In addition, the Surety must have a current rating of at least A-:VII in A. M. Best's Key Rating Guide.

INSTRUCTIONS FOR SIGNATURES: This bond must be signed by the president or a vice-president of a corporation; the managing general partner of a partnership; managing joint venturer of a joint venture; manager of a limited liability company or, if no manager has been designated, a member of such LLC; a general partner of a limited liability partnership; or the owner(s) of a sole proprietorship. If the bond is signed by any other representative, the Principal must attach currently-dated, written proof of that signer's authority to bind the Principal, identifying and quoting the provision in the corporate articles of incorporation, bylaws, Board resolution, partnership agreement, certificate of formation, or other document authorizing delegation of signature authority to such signer, and confirmation acceptable to the County that such delegation was in effect on the date the bond was signed. **A NOTARY PUBLIC MUST ACKNOWLEDGE EACH SIGNATURE BELOW.**

FOR THE SURETY:

By _____
(Signature of Attorney-in-Fact)

_____
(Type or print name of Attorney-in-Fact)

_____
(Type or print telephone number for Attorney-in-Fact)

FOR THE PRINCIPAL:

By:_____
(Signature of authorized signer for Contractor)

_____
(Type or print name of signer for Contractor)

_____
(Type or print title of signer for Contractor)

STATE OF _____)
) ss:
COUNTY OF _____)

ACKNOWLEDGMENT FOR CONTRACTOR

On this _____ day of _____, ____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, the person described in and who executed the foregoing bond, and acknowledged to me that _____ signed and sealed said bond as the free and voluntary act and deed of the Contractor so identified in the foregoing bond for the uses and purposes therein mentioned, and on oath stated that _____is authorized to execute said bond for the Contractor named therein. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

_____ _____
(Signature of Notary Public) (Print or type name of Notary Public)

Notary Public in and for the State of _____ residing at _____

My commission expires _____. ***SEAL →***

STATE OF _____)
) ss:
COUNTY OF _____)

ACKNOWLEDGMENT FOR SURETY

On this _____ day of _____, ____, before me a notary public in and for the State of _____, duly commissioned and sworn, personally appeared _____, Attorney-in-Fact for the Surety that executed the foregoing bond, and acknowledged said bond to be the free and voluntary act and deed of the Surety for the uses and purposes therein mentioned, and on oath stated that _____ is authorized to execute said bond on behalf of the Surety, and that the seal affixed on said bond or the annexed Power of Attorney is the corporate seal of said Surety. WITNESS my hand and official seal hereto affixed the day and year in this certificate first above written.

_____ _____
(Signature of Notary Public) (Print or type name of Notary Public)

Notary Public in and for the State of _____ residing at _____

My commission expires _____. ***SEAL →***

ARTICLE 5 - INDUSTRIAL INSURANCE PREMIUMS AND CONFESSION OF JUDGMENT

1. The contractor shall pay, and is responsible for payment of, all industrial insurance premiums that become due and payable to the Washington State Department of Labor and Industries (Department) pursuant to Title 51, RCW, whether such premiums are attributable to the contractor or its subcontractors.

2. In the event that Clallam County is required to make industrial insurance premiums to the Department due to the failure, neglect or refusal of the contractor to make payment as required herein, the contractor authorizes Clallam County to take judgment against it, and the contractor hereby confesses judgment, in the amount which Clallam County is required to pay the Department pursuant to Title 51, RCW to satisfy contractor's liabilities hereunder. The contractor confesses judgment in an amount equal to the entire industrial insurance premium liability due to the Department on behalf of the contractor and its subcontractors hereunder, less any premium payments previously made to the Department by the contractor.

3. The contractor expressly agrees that the amount confessed herein was expressly negotiated and that the amount due to Clallam County for satisfying contractor's obligations to the Department hereunder is due, justly due or to become due.

4. Until such time as Clallam County is actually reimbursed for industrial insurance premiums paid to the Department due to the failure, neglect or refusal of the contractor to meet its obligations hereunder, the contractor shall be debarred from bidding on any projects for which Clallam County solicits bids.

Corporate:

State of _____)
) ss
County of _____)

On this _____ day of _____, 20 _____, before me personally appeared _____, to me known to be the _____ (*president, vice president, secretary, treasurer, or other authorized officer or agent, as the case may be*) of the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

In witness whereof I have hereunto set my hand and affixed my official seal the day and year first above written.

(CORPORATE SEAL)

_____
(Contractor's Signature)

_____
(Title)

_____
Notary Public in and for the State of Washington
Residing at _____

Individual:

State of _____)
) ss
County of _____)

On this day personally appeared before me _____ to me known to be the individual, or individuals described herein and who executed the within and foregoing instrument, and acknowledged that he *(she or they)* signed the same as his *(her or their)* free and voluntary act and deed, for the uses and purposes therein mentioned. Given under my hand and official seal this _____ day of _____, 20_____.

_____
(Contractor's Signature)

_____
(Title)

_____
Notary Public in and for the State of Washington
Residing at _____

ARTICLE SIX – INSURANCE CERTIFICATE - SAMPLE

FORM 05.07.08 PW-ROADS	**CLALLAM COUNTY, WA** **CERTIFICATE OF INSURANCE**	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW

INSURED (Legal name and business address)	CERTIFICATE HOLDER:	CONTRACT NUMBER
	CLALLAM COUNTY, WASHINGTON PUBLIC WORKS DEPARTMENT COURTHOUSE 223 EAST FOURTH ST. STE. 7 PORT ANGELES, WA 98362	DATE ISSUED:

PROJECT DESCRIPTION / LOCATIONS / VEHICLES / RESTRICTIONS / SPECIAL ITEMS:

This is to certify that policies of Insurance listed below have been issued to the Insured named above for the policy period indicated.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	Date Policy Effective (MM/DD/YY)	Date Policy Expires (MM/DD/YY)	ALL LIMITS IN THOUSANDS
	GENERAL LIABILITY Commercial General Liability Claims Made ☐ Occurrence Owner's & Contractors Protection Deductible $				General Aggregate $ Products Comp/Ops Aggregate $ Personal & Advertising Injury $ Each Occurrence $ Fire Damage (Any One Fire) $ Medical Expense (Any One Person) $
	AUTOMOBILE LIABILITY Any Auto All Owned Autos Scheduled Autos Hired Autos Non-Owned Autos Garage Liability Deductible $				CSL $ Bodily Injury (per person) $ Bodily Injury (per accident) $ Property Damage $
	EXCESS LIABILITY Other Than Umbrella Form				Each Occurrence $ / Aggregate $
	WORKERS COMPENSATION AND EMPLOYER'S LIABILITY				STATUTORY $ (Each Accident) $ (Disease Policy Limit) $ (Disease-Each Employee)
	OTHER				

ADDITIONAL PROVISIONS

CLALLAM COUNTY is included as additional insured as related to the above-mentioned project.
Should any of the above described policies be cancelled before the expiration date thereof, the issuing Company must deliver or mail not less than a 45 days written notice to the above Certificate Holder, per RCW 48.18.290

COMPANIES AFFORDING COVERAGE		ISSUING COMPANY, AGENT OR REPRESENTATIVE	
NOTE: Attach a separate sheet to this certificate giving all the company names and their percentage of coverage, if clarification is needed.		NAME:	
Company Letter	A	ADDRESS:	
	B		
	C	Authorized Signature	
	D	Title	
	E	Signature Date	
		Signee Name	
		Telephone No.	

END OF SECTION 00400

PROJECT: **Clallam County Lk. Pleasant Piling Replacement Project**

Owner/Arch/Eng: Clallam County
Project Number: #2304PR

TO:

Contractor:

Contract for:

Contract Date:

DATE OF ISSUANCE:

PROJECT OR DESIGNATED PORTION SHALL INCLUDE:

The work performed under this Contract has been reviewed and found to be substantially complete. The Date of Substantial Completion of the Project or portion thereof designated above is hereby established as _____, 20_____, which is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

DEFINITION OF DATE OF SUBSTANTIAL COMPLETION:

The Date of Substantial Completion of the Work or designated portion thereof is the Date certified by the Owner/Architect/Engineer when construction is sufficiently complete, in accordance with the Contract Documents, so the Owner can occupy or utilize the Work or designated portion thereof for the use for which it is intended, as expressed in the Contract Documents.

A list of items to be completed or corrected, prepared by the Contractor and verified and amended by the Owner/Architect/Engineer is attached hereto. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. The date of commencement of warranties for items on the attached list will be the date of final payment unless otherwise agreed to in writing.

ARCHITECT/ENGINEER	**BY**	**DATE**

The Contractor will complete or correct the Work on the list of items attached hereto within _____ days from the above Date of Substantial Completion

CONTRACTOR	**BY**	**DATE**

The Owner accepts the Work, or designated portion thereof, as substantially complete and will assume full possession thereof at _____ p.m. on _____, 20_____.

OWNER	**BY**	**DATE**

The responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work and insurance shall be as follows:

PILE DRIVING SPECIFICATIONS

PART 1 – GENERAL

1.1 SUMMARY

A. The work of this Technical Specification consists of furnishing all plant, equipment, labor and materials and performing all operations in connection with fabricating, coating, transporting, handling, storing, and installing steel pipe piles for the boat ramp handling floats at the Clallam County Lake Pleasant Park . It also includes the removal of the existing wooden piling. Piling construction work includes:

B.

a. Supply and install five (5) 6.625 inch outside diameter x 0.280 inch thick galvanized steel pipe piles for anchoring the existing boat launch handling floats.
b. Remove the existing five (5) wooden piles.

1.2 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this Technical Specification to the extent referenced. The publications are referred to in the text by designation only.

ASTM

A36	Structural Steel
A252	Welded and Seamless Steel Pipe Piles

AWS

"Structural Welding Code – Steel", AWS D1.1

complete record of all the installed piles to the County. The pile records shall be current, and as-built locations shall be noted on the Public Record Drawings.

C. Provide skilled workmen at all times who shall be experienced and familiar with construction of pile supported marine structures. Supervisory personnel shall have a minimum of five (5) years' experience with the work performed in this contract.

D. Welding

a. Weld procedure and quality: Welding shall be done in accordance with AWS D1.1, including procedures of repair of defective welds.

1.5 PRODUCT HANDLING

A Protection:

1. Product handling procedures shall be anticipated and accounted for in the Contractor-submitted work plan.
2. Use all means necessary to protect the materials of this Technical Specification before, during and after installation, and to protect the installed work and materials of other trades.
3. Piles in storage or temporary stock pile shall be supported in such a manner that will not impair the alignment of the piles.
4. Piles shall be handled and transported only with acceptable equipment and by qualified personnel.

C. Replacements: In the event of damage, immediately make all repairs and replacements necessary to comply with the Technical Specifications at no additional cost to the County.

D. Dents, gouges, or arc strikes in the pling greater than 1/8-inch shall be removed or repaired as required under AWS. Pile deficiencies greater than 1/8-inch will be rejected, and the pile shall be removed from the site and replaced by the vendor at no additional cost to the County.

1.6 SUBMITTALS

A. Action Submittals

1. Mill test reports: Certified copies of mill test reports for structural steel. Piling and appurtenant materials shall be tested and certified by the Manufacturer to meet the specified chemical, mechanical, and section property requirements to delivery to the site.
2. Material certificates: Submit for each shipment of steel pile certificates identified with specific lots prior to installing piling.
3. Shop drawings: shop drawings for steel piles and any associated weldments/hardware prior to fabrication.
4. Procedure for timing and procedure of piling driving relative to float installation shall be submitted to the County in writing for review. Contractor shall coordinate installation requirements.
5. Pile placement plan: submit pile placement plan for review.

PART 2 – PRODUCTS

2.1 GENERAL

A. All pipe piling shall be new, round pipe and have minimum outside diameter and wall thickness as indicated o the Contract Drawings. Steel pipe piles shall be straight seam ERW welded or seamless pipe and shall conform to the requirements of ASTM A252, Grade 3 (fy = 50 ksi min.), or stronger with chemistry suitable for welding. Spiral; weld pipe shall not be used.

B. Steel pipe piles shallbe galvanized in accordance with ASTM A123.

C. Welding consumables shall conform to the requirements of the applicable provisions of AWS

2.2 FIBERGLASS PILING CAPS (BIRD CAPS)

A. Piling caps shall be a heavy duty white conical cap with a cylindrical sleeve to fit over the top of all piles.

B. The pile cap shall be fiberglass, and the final outer surface shall be smooth and without apparent waves, wrinkles or other surface defects.

C. The cone taper shall be between 40 and 60 degrees. The wall thickness of all surfaces of the cap shall be 1/8inch minimum.

D. The piling caps shall be bonded to the pile within approved marine grade adhesive/sealant for use in wet environments, such as 3M Marine 5200.

PART 3 – EXECUTION

3.1 GENERAL

A. Scheduling of piling installation shall be coordinated with the County.

B. All pile fabrication and installation operations shall be in accordance with OSHA regulations including 1926.603 Pile Driving equipment and 1926.605 Marine Operations and Equipment.

C. Preparation: Visually inspect piles when delivered and when in the leads immediately before driving for defects or damage. Repair defects or damage as specified.

D. Handling: Handle piles so as to protect the piles. Lift steel piles by using appropriate rigging.

3.2 PILE DRIVING

A. Permit requirements: pile installation shall be conducted in accordance with the County provided regulatory permits, including WDFW HPA permit number2023-6-260+01.

B. All piling installation shall be conducted with the County present. The Contractor shall assist the County in monitoring pile driving.

C. Pile driving shall occur only during daylight hours.

D. Driving tolerances: Drive steel piles as accurately as possible, and at a minimum shall meet the specified location and angle tolerances, and shall ne driven to the minimum tip elevation shown on the Contract Drawings.

OSHA

1926.603 Pile driving equipment.

1926.605 Marine Operation and Equipment

1.3 PROJECT SITE CONDITONS

A. Subsurface Conditions. Existing subsurface conditions at the site consist of a combination of soil layers containing loose to dense gravel with silt and cobbles. The top 3 to 4 feet of soil consist of relatively loose silt and gravel, becoming more dense with increasing depth.

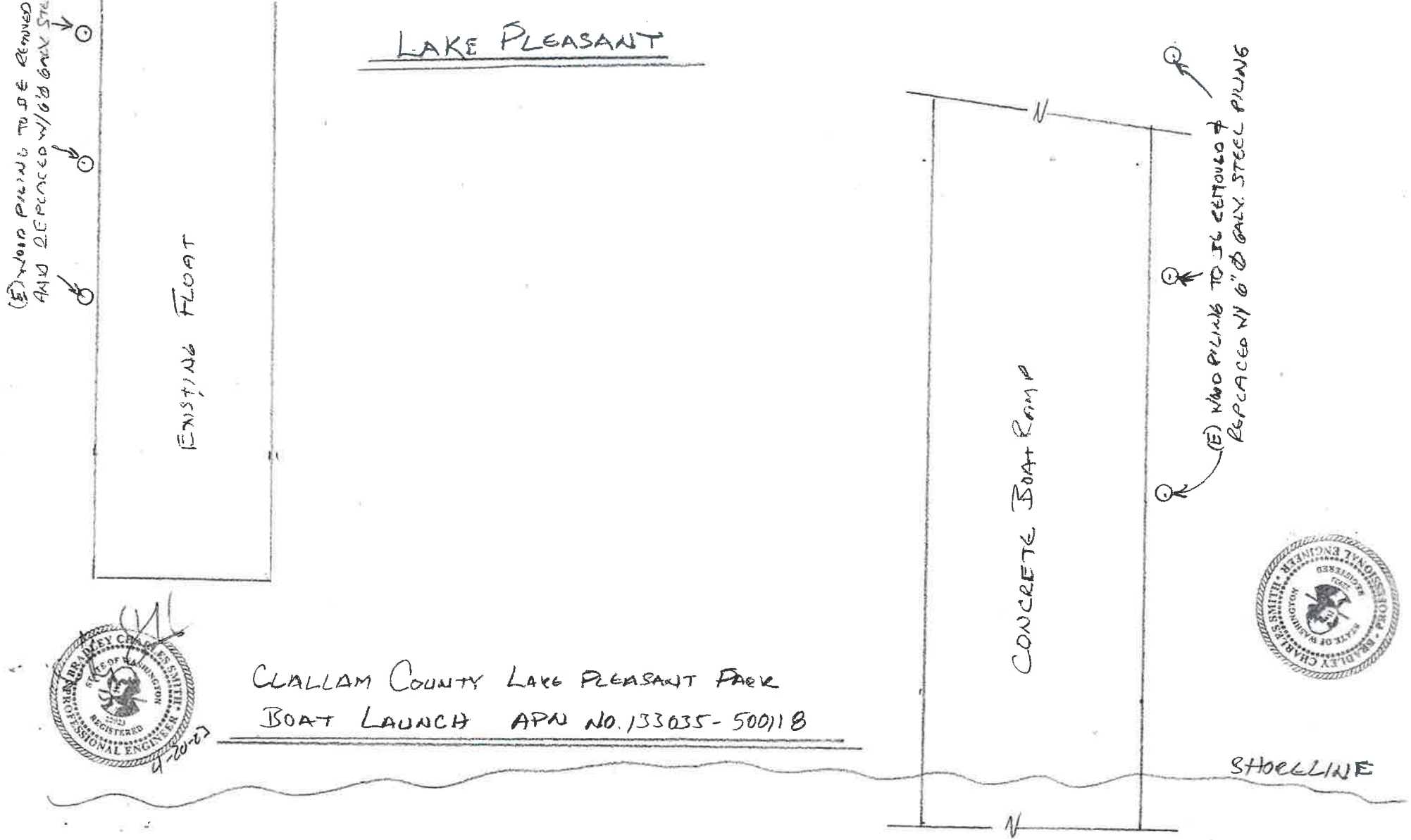
B. Pile Driving: Use of an impact or vibratory hammer may be used as needed to achieve the pile tip elevation as defined on the Contract Drawings, as governed by the WDFW HPA permit.

1.4 QUALITY ASSURANCE

A. The Contractor shall facilitate and assist the County in keeping an independent and complete record of each pile driven, noting the rate, type, time, location, and driving record with blow counts or inches per minute for every foot, ,or fraction of foot driven. Facilitation and assistance shall include, but not be limited to, providing visual access to the driving site, and access to Contractor driving records. Data shall be recorded on a "Pile Driving Record Sheet".

B. Records: The Contractor shall keep a complete and accurate record of each pile driven. Indicate pile location, plumbness, and direction of lean, diameter, original length, mudline elevation, cutoff elevation, penetration in inches per minute for entire driven length, penetration for the pile, total driving time in minutes and seconds for each pile, and hammer data including rate of operation, model, and size, unusual pile behavior, or circumstances experienced during driving, such as re-driving, heaving, weaving, obstructions and unanticipated interruption. Submit copy of "pile diving record Tests", including as-built drawings to the County. Submit a

LAKE PLEASANT



BRADLEY CHARLES SMITH — STATE OF WASHINGTON — 22123 — REGISTERED PROFESSIONAL ENGINEER — 4-20-07

BRADLEY CHARLES SMITH — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

CLALLAM COUNTY LAKE PLEASANT PARK
BOAT LAUNCH APN NO. 133035-500118

3a

APR 09 2024

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: BOCC

WORK SESSION ☒ **Meeting Date: 4-1-24**

REGULAR AGENDA ☒ **Meeting Date: 4-9-24**

Item summary:

☐ Call for Hearing ☒ Contract/Agreement/MOU - Contract # 361.24.001

☐ Resolution ☐ Proclamation ☐ Budget Item

☐ Draft Ordinance ☐ Final Ordinance ☐ Other

Executive summary:

The Hearing Examiner conducts administrative and quasi-judicial hearings on appeals of departmental decision and a variety of land use permits requested within unincorporated areas of Clallam County and renders a decision. The Hearing Examiner is an independent contractor relationship. The Hearing Examiner functions in accordance with the policies and procedures set forth in Chapter 26.04, Clallam County Code, and Clallam County Administrative Policies 921, 922 and 923.

The Hearing Examiner shall be appointed and compensated by the Board of Clallam County Commissioners and shall serve at the pleasure of the Board.

On March 27, 2024 the Clerk of the Board received an email from Alex Sidles with Sidles Law notifying the Board of Commissioners that he has accepted an appointment with the Governor's Office and will be resigning as Clallam County Hearing Examiner as of May 31, 2024.

Recommending the Board of Commissioners to approve a notice to call for Proposals/Qualifications for Hearing Examiner Services for 2024.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

None at this time.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

Approval of notice to call for Proposals/Qualifications for Hearing Examiner Services for 2024.

County Official signature & print name: Loni Gores Loni Gores, Clerk

Name of Employee/Stakeholder attending meeting: Board of Commissioners

Relevant Departments: Board of Commissioners

Date submitted: 3-27-24

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* Work Session Meeting - Submit 1 single sided/not stapled copy

** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Questions? Call Loni Gores, Clerk of the Board, ext 2256

REQUEST FOR PROPOSALS/QUALIFICATIONS

The Board of Commissioners is seeking proposals from interested parties to provide Hearing Examiner services to Clallam County. Applicants should have experience with local land use laws and regulations and the hearing process.

Sealed proposals must be clearly marked on the outside of the envelope **"Hearing Examiner 2024 RFPQ Proposal."** The address for submitting proposals by US Mail is: Board of Clallam County Commissioners, 223 E 4th Street, Suite 4, Port Angeles, WA 98362. Proposals may also be hand-delivered to 223 E 4th Street, Room 150 (County Commissioner's Office), Port Angeles, Washington. **Proposals MUST be received by 10 a.m., Tuesday, May 7, 2024, whether by mail or hand delivery.** Submittals made in an incorrect format or received late will not be considered. Proposals will be opened publicly and acknowledged at the Board of Clallam County Commissioner's Meeting on Tuesday, May 7, 2024.

An informational RFPQ packet is available on the Clallam County website at https://www.clallamcountywa.gov/920/Hearing-Examiner. A hardcopy of the packet may be obtained Monday through Friday, 8:00 AM to 4:30 PM, at the Clallam County Board of Commissioners Office, 223 East 4th Street, Room 150, Port Angeles, Washington 98362, or by calling 360.417.2256 or email at loni.gores@clallamcountywa.gov

Clallam County hereby notifies all that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined in Title VI of the Civil Rights Act of 1964 at 49 CFR Part 23 will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

PASSED THIS 9TH day of April, 2024

ATTEST:

Loni Gores, MMC, Clerk of the Board

BOARD OF CLALLAM COUNTY COMMISSIONERS

Mike French, Chair

Publish: April 12 and 19, 2024
Bill: Board of Commissioners

CLALLAM COUNTY HEARING EXAMINER RFPQ
INFORMATION PACKET

Overview:

The Hearing Examiner conducts administrative and quasi-judicial hearings on appeals of departmental decisions and a variety of land use permits requested within unincorporated areas of Clallam County and renders a decision. The Hearing Examiner is an independent contractor relationship. The Hearing Examiner functions in accordance with the policies and procedures set forth in Chapter 26.04, Clallam County Code, and Clallam County Administrative Policies 921, 922 and 923.

Clallam County has used the Hearing Examiner system for over 25 years and the rules of procedure were last updated in 2013. Public hearings and appeal hearings are scheduled on an as-needed basis, with two hearing days each month and no more than three hearings per day. Hearings are normally held in the Commissioners' Board Room at the Clallam County Courthouse in Port Angeles, Washington.

Duties of the Hearing Examiner include but are not limited to reviewing and assisting in revising a set of rules of proceedings; and production of an annual report containing a summary of decisions made, recommendations for improving the Hearing Examiner system, and other observations and recommendations pertaining to land use policies and legislation.

The Clallam County Department of Community Development assists the Hearing Examiner by:

- Preparing case files and records
- Providing staff support during hearings
- Setting agendas in consultation with the Examiner
- Preparing legal notices
- Providing copies, mailing, and distribution of notices and decisions
- Providing a staff recommendations on cases; electronic copies of staff recommendations and records for the Examiner's use.

The Hearing Examiner determines whether a site visit is needed for each application following a review of all the information submitted.

Prior to beginning work, the Examiner is required to procure and maintain at their expense, comprehensive automobile liability insurance at statutorily required limits, and workers' compensation coverage, if applicable, as required by the State of Washington for the duration of the contract. Insurance must be placed with a company with a minimum Best's rating of A-. Evidence of insurance must be presented to the County's Risk Management Office prior to execution of the contract.

Clallam County requires the Examiner issue a decision within 10-working days of the close of the record for each hearing.

The contract will begin on June 1, 2024, or earlier if mutually agreeable, and will run until January 1, 2025. The contract will contain a conflict of interest statement and the applicant shall be prepared to recuse him or herself from any case where a potential conflict of interest exists. In such cases and cases of unscheduled absence, the Hearing Examiner will be responsible for providing a pro tempore Hearing Examiner

The proposals should answer all of the requested information indicated below.

Requirements:

The proposal shall:

1. Indicate the applicant's background, and demonstrate their familiarity with Clallam County land use laws and regulations, and land use hearing, processes, and geographic knowledge of the area.

2. Indicate the applicant's support staff and ability to meet the deadlines cited in this RFP and indicate the proposed reimbursement if as an independent contractor; i.e.:

   a. A lump sum per hearing fee; or
   b. A cost per hour fee; or
   c. A combination of lump sum and cost per hour fees.

3. Address how mileage and travel time are factored into the fee reimbursement schedule.

4. Indicate the applicant's ability to comply with the Americans with Disabilities Act, EEO, and any other applicable County, State, or Federal laws.

5. Be accompanied by:

   a. A list of professional references who can attest to the applicant's abilities; and
   b. Three writing samples, consisting of administrative decisions written by the applicant. If the applicant has no experience as a hearing examiner or administrative law judge, concise opinion memos or staff reports may be substituted for the administrative decisions.

6. Be signed and dated.

Submission:
All proposals must be received by the Board of Clallam County Commissioners, 223 East 4th Street, Suite 4 (Room 150, if hand-delivered), Port Angeles, Washington 98362 by 10:00 a.m., May 7, 2024. Submit proposal in a sealed envelope, clearly marked, "Hearing Examiner 2024 RFPQ Proposal."

3b

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: DCD

WORK SESSION ☒ **Meeting Date: 04/01/2024**

REGULAR AGENDA ☒ **Meeting Date: 04/09/2024**

Required originals approved and attached? ☒
Will be provided on:

Item summary:

- ☐ Call for Hearing
- ☐ Resolution
- ☐ Draft Ordinance
- ☐ Contract/Agreement/MOU - Contract #
- ☐ Proclamation
- ☐ Final Ordinance
- ☐ Budget Item
- ☒ Other Call for Bids

Documents exempt from public disclosure attached: ☐

Executive summary: This item is a solicitation for bids for the completion of the Lower Dungeness River Floodplain Restoration & Levee/Road Realignment Project – Phase 3. On December 4, 2023, following public outreach, the Board of County Commissioners came to consensus, providing direction for County staff to pursue design plans for the completion of a two-lane road surface and abutting trail for the Towne Road portion of the new Setback Levee. Attached are the Bid Contract Documents prepared by the Engineer of Record for the project. It is hoped this item will be moved forward for bid at the Board's April 9, 2024, meeting. Also included is a brief history and project summary relating to the project.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐

No budgetary impact. Funds have already been allocated for 2024 expenditure. Sources include REET, County Road Fund, and the existing project grant.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)

That the Commissioners review, approve & authorize the Chair to sign this call for bids.

County Official signature & print name: Bruce W Emery, Bruce Emery

Name of Employee/Stakeholder attending meeting: Joe Donisi & Bruce Emery

Relevant Departments: DCD & Public Works

Date submitted: 03/27/2024

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* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256

CLALLAM COUNTY
Department of Community Development
County Courthouse
223 E. 4th St., Suite 5
Port Angeles, WA 98362-3015
Phone: (360) 417-2323
Fax: (360) 417-2443

bruce.emery@clallamcountywa.gov

March 27, 2024

Board of Clallam County Commissioners

RE: Lower Dungeness River Floodplain Restoration & Levee/Road Realignment Project, Historic Update and Project Bid Documents

Dear Honorable Commissioners,

Attached for your review are the final engineered plans and contract provisions for the completion of the Lower Dungeness River Levee, also known as the Towne Road Levee. As a precursor to this discussion, staff was made aware of your desire for a brief summary of the history leading to this point in the project.

Background

Towne Road (County Road Number 52220) is a 2.85 mile long through County Road connecting Old Olympic Highway to Anderson Road. It is one of 4 north-south roads that serve the greater Dungeness area. The road has been maintained by Clallam County for at least 110 years, over 50 years before the US Army Corp of Engineers transferred the Lower Dungeness Levee to the County for operation and maintenance in 1964. It is considered a component of the Regional Road Network in the Clallam County Comprehensive Plan—a network that is considered by the Plan as complete.

The need for a setback levee was recognized for decades and ultimately the setback levee was planned to be located east of the original Towne Road alignment. This necessitated exploring the fate of Towne Road as a through route. In 2015 the topic was addressed at a very well attended publicly advertised meeting in Sequim. Public comment was sought, received, and considered. The subsequent design included maintaining the existing through road (Towne Road) relocated to the top of the setback levee consisting of a paved, two-lane road with four-foot paved shoulders. This design was originally permitted by the U.S. Army Corps of Engineers (ACOE) in 2020.

A priority for Clallam County was to maintain public access to Towne Road and to the river for as long as feasible during the construction process. To that end the project was to be constructed in two phases, with new Towne Road constructed during Phase 2 before decommissioning old Towne Road or removing the old levee.

In the spring of 2022, the Jamestown S'Klallam Tribe breached the levee on their River's Edge site, upstream from the County project site. The breach required that Clallam County's project schedule be modified to assure that the community would not be vulnerable to flooding. Clallam County declared a state of emergency to address the flood potential and to allow an expedited construction schedule of the County levee project. Flood protection was a priority without regard to traffic and access to the river. The County completed the flood protection project prior to the winter season but was forced to close public access to Towne Road. At this same time, the Tribe contracted and paid for removal of the old levee that was to be a part of the County project which was greatly appreciated from a cost and partnering standpoint. That commitment was significant, on the order of a million dollars.

Over the winter and early spring of 2023, the public began accessing Towne Road on top of the County setback levee for recreational use. Soon, the Board of County Commissioners began to receive vocal and written support for maintaining the levee surface as a recreational-only surface. As a result of this support, in March of 2023, the Board of Commissioners refrained from moving the road construction project to bid.

To assess the recreational potential of the 0.78 miles of levee surface designated for Towne Road and gauge public support, the County Commissioners developed four levee surface options, including: 1) construct the two-lane road as originally-approved by ACOE, 2) Construct a two-lane road and separate six-foot minimum trail surface, 3) Construct a one-lane, 16-foot road surface (south-bound only) and a 12-foot-wide pedestrian trail-surface, and 4) construct a recreation-only trail surface centered on the levee. In addition to seeking broad community comment, the Commissioners solicited input from Clallam County Sheriff, Emergency Management, Fire District 3, and others with interest in Towne Road. A widely publicized, well-attended public meeting was held on September 26, 2023. Public comment was received through October 10, 2023.

Upon considering the input of 413 emailed and hand-written comments received, during their work session on December 4, 2023, the Board of Commissioners unanimously selected Design Alternative 2 and instructed County staff to pursue this option with the project design engineer. This directive was memorialized in an oral resolution by the Board on December 26, 2023. Since that time, staff has been working with the project engineer to finalize the design and project specs for completing the road and trail surface described under Alternative 2.

Current Design Status

One challenge in implementing the Alternative 2 design was how to fit the road and trail facility on the limited space provided by the constructed levee. As discussed in prior work sessions, one solution was to grade the surface to slope in one direction, away from the river side of the levee. This "monoslope" grade has allowed the designers to increase the surface width available through excavating for the monoslope. By reducing the design speed of the road to 25 mph, this road grading technique will work within safe engineering design principles. It will also have the added benefit of routing

stormwater away from the river and restored floodplain—utilizing a compost amended vegetated filtration strip (CAVFS) on the landward side of the levee, improving stormwater treatment and avoiding point discharge locations present in earlier designs of the facility.

Under the new design, the majority of the surface will consist of a two-lane road with 14 and 12-foot lanes, and a trail of eight to 12 feet improved width. There is a shorter duration of the surface (approx. 350 lineal feet) in which the available surface is reduced, resulting in two 12-foot travel lanes and a six-foot trail surface.

Not shown on the design plans are the separation options available for keeping vehicle traffic and foot traffic safely separated. There exist two primary alternatives for achieving this separation: installation of a separator curb, or installation of a guardrail. As noted in prior discussions, the guardrail option will consume two feet of the available surface width. This will become problematic in the 300 feet identified above as an additional two feet of the road surface, trail, or combination thereof, would have to be dedicated to this use. There is also the perceived presence of roughness from the outside of the guardrail that could impact use of the pedestrian trail when compared to the lower profile of a curb. Users of the trail may shy away from the portion abutting the guardrail. In contrast, the curb would require less space, but may give users of the trail less of a sense of separation or protection from traffic on the adjacent road surface. The trail surface itself could be elevation to match the top of the curb. This would mimic that of a city sidewalk that, given the lower traffic speed, would provide the necessary separation consistent with engineering design principles.

In considering these factors, it is staff's recommendation that the Board of County Commissioners approve the use of a curb and elevated pathway to achieve the needed traffic/pedestrian separation.

Bid Contract Documents

Enclosed with the Agenda Item Summary are the Bid Contract Documents prepared in conjunction with the Engineer of Record. The County Engineer will be available to provide details and answer questions concerning the content of the bid package. It is hoped that, with the Board's concurrence, that the bid opening for the project be approved during the Board's April 9, 2024, meeting.

Thank you for your consideration on this matter. If you have any questions or need for additional information, please contact me at 360-417-2323 or at bruce.emery@clallamcountywa.gov.

Sincerely,

Bruce W. Emery

Bruce Emery, Director
Clallam County DCD

NOTICE OF INVITATION FOR BIDS

SEALED BIDS will be received by the Board of Clallam County Commissioners at 223 East Fourth Street, Room 150, Port Angeles, Washington until 10:00 a.m., Tuesday, **May 7, 2024,** at which time they will be publicly opened and read aloud for:

The work includes earthwork, guardrail installation, stormwater treatment, traffic control and staging, and other related work as part of the Lower Dungeness River Floodplain Restoration and Levee/Road Realignment Project – Phase 3 – 2024 Construction contract.

Complete plans and specifications may be obtained from the Clallam County web site at www.clallamcountywa.gov. Questions regarding this project may be directed to Gus Kays at (206) 695- 6941.

The sealed bids must be clearly marked on the outside of the envelope, **"BID PROPOSAL – Lower Dungeness River Floodplain Restoration and Levee/Road Realignment Project – Phase 3 – 2024 Construction"**. Address bid proposal to: Board of Clallam County Commissioners, 223 E. 4th St., Ste. 4, Port Angeles, WA 98362 or hand-deliver to 223 E. 4th St., Room 150, Port Angeles, Washington. Bid documents delivered to other offices and received late by the Commissioners' Office will not be considered nor will bids received by facsimile or e-mail.

Clallam County will determine the lowest responsible bidder in accordance with the terms of Clallam County Code Section 3.12.070 and reserves the right to reject any and all bids and to waive informalities in the process or to accept the bid which in its estimation best serves the interests of Clallam County.

Clallam County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 USC 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

The attached contract plans, these contract provisions and the Standard Specifications for the above-described project are hereby

APPROVED THIS _____ DAY OF _____, 20___.

BOARD OF CLALLAM COUNTY COMMISSIONERS

DRAFT

_____

Mike French, Chair

ATTEST:

_____

Loni Gores, CMC, Clerk of the Board

Please Publish: Peninsula Daily News/Seattle Daily Journal - **4/12, 4/19 & 4/26**
Please Bill: Clallam County DCD

Item 3b
Document was submitted after the agenda and packet were posted on 4/5/25

CLALLAM COUNTY
DEPARTMENT OF PUBLIC WORKS

223 East Fourth Street, Suite 6
Port Angeles, Washington 98362

CONTRACT PROVISIONS

for

LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT – PHASE 3
2024 CONSTRUCTION

SOUTH OF THE EAST ANDERSON ROAD / DUNGENESS RIVER BRIDGE AND EAST OF DUNGENESS RIVER

A County and State Funded Project

GUS BRIAN KAYS
STATE OF WASHINGTON
45234
REGISTERED
PROFESSIONAL ENGINEER
04/05/2024

APPROVED THIS DAY _____, 2024

_____
BRUCE EMERY
Director, Department of Community Development

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CONTRACT (2 Pages).....ATTACHED
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INTRODUCTION TO THE SPECIAL PROVISIONS

(January 4, 2024 APWA GSP Option A)
The work on this project shall be accomplished in accordance with the Standard Specifications for Road, Bridge and Municipal Construction, 2024 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)
(May 1, 2013 $$2$$ GSP) Agency Special Provision

Project specific special provisions are labeled without a date as such:
(*****)

Also incorporated into the Contract Documents by reference are:

- Manual on Uniform Traffic Control Devices for Streets and Highways, currently adopted edition, with Washington State modifications, if any
- Standard Plans for Road, Bridge and Municipal Construction, WSDOT Manual M21-01, current edition

Contractor shall obtain copies of these publications, at Contractor's own expense.

DESCRIPTION OF WORK

(******)

This contract provides for the construction of the Lower Dungeness River Floodplain Restoration and Levee/Road Realignment Project, Phase 3, 2024 Construction. Major items of work include earthwork, guardrail installation, stormwater treatment, traffic control and staging, and other work, all in accordance with the attached Contract Plans, these Contract Special Provisions, and the Standard Specifications.

DATE OF OPENING BIDS

Public Opening of Proposals

Section 1-02.12 is supplemented with the following:

Sealed bids will be received by the Board of Clallam County Commissioners until 10:00 a.m., Tuesday, May 7, 2024, after which time they will be publicly opened and read. Sealed bids shall be:

1. Mailed to the Board of Clallam County Commissioners 223 East Fourth Street, Suite 4, Port Angeles, WA 98362-3015 or
2. Hand delivered to the office of the Board of Clallam County Commissioners in the County Courthouse at 223 East Fourth Street, Room 150, Port Angeles, WA.

REQUIRED DOCUMENTS

The following documents, filled out as necessary, are required to be submitted with the bid. **The forms included herewith are the forms that must be used.**

1. Bid Proposal
2. Proposal Signature Page
3. Proposal Bid Bond
4. WSDOT Wage Law Compliance – Form 272-009

CONTRACT DOCUMENTS

The following forms, attached for reference, will be used upon award of the contract:

1. Contract Agreement
2. Public Works Contract Bond

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions

(January 19, 2022 APWA GSP)

Delete the heading Completion Dates and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date
The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date
The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date
The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date
The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date
The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date
The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date
The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date
The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications or WSDOT General Special Provisions, to the terms "Department of Transportation", "Washington State Transportation Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

All references to "final contract voucher certification" shall be interpreted to mean the Contracting

Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive
A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

Alternate
One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

Business Day
A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond
The definition in the Standard Specifications for "Contract Bond" applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents
See definition for "Contract".

Contract Time
The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award
The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency's acceptance of the Bid Proposal.

Notice to Proceed
The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic
Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Prequalification of Bidders

Delete this section and replace it with the following:

1-02.1 Qualifications of Bidder

(January 24, 2011 APWA GSP)

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

1-02.2 Plans and Specifications

(******)

Section 1-02.2 is revised to read:

Copies of plans and specifications will be on file in and may be obtained from the office of Clallam County Engineer at the Clallam County Courthouse, 223 East Fourth Street, Room 130, Port Angeles, WA. Bidders / Contractors may obtain one copy free of charge. Additional copies may

be obtained by payment of printing costs. After award of the contract and upon request by the prime contractor a maximum of five (5) sets of full-size plans and specifications will be furnished to the prime contractor at no cost. Additional sets of full-size plans and specifications may be obtained by payment of printing costs.

1-02.4 Examination of Plans, Specifications, and Site of Work

1-02.4(1) General

(December 30, 2022 APWA GSP Option B)

The first sentence of the ninth paragraph, beginning with "Prospective Bidders desiring…", is revised to read:

Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business five business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.4(2) Subsurface Information

(******)

The third sentence in the first paragraph is revised to read:

The Summary of Geotechnical Conditions and the boring logs, if and when included as an appendix to the Special Provisions, shall be considered as part of the Contract.

The Geotechnical Data Report, Shannon & Wilson (March 2022) is included in Appendix A as part of the contract.

1-02.5 Proposal Forms

(July 31, 2017 APWA GSP)

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

1-02.6 Preparation of Proposal

(January 4, 2024 APWA GSP, Option B)

Supplement the second paragraph with the following:

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

Delete the last two paragraphs, and replace them with the following:

The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

1-02.7 Bid Deposit

(March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder's officer empowered to sign official statements. The signature of the person authorized to submit the bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.

Cash will not be accepted for a bid deposit.

1-02.9 Delivery of Proposal

(******)

Delete first paragraph and replace it with the following:

Bids are to be received at time and location specified in DATE OF OPENING BIDS.

1-02.10 Withdrawing, Revising, or Supplementing Proposal

(July 23, 2015 APWA GSP)

Delete this section, and replace it with the following:

After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated for receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set for receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal package to the Bidder. The Bidder must then submit the revised or supplemented package in its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall be considered withdrawn.

Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to withdraw, revise, or supplement a Bid Proposal are not acceptable.

1-02.13 Irregular Proposals

(January 4, 2024 APWA GSP)

Delete this section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:

    a. The Bidder is not prequalified when so required;
    b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
    c. A price per unit cannot be determined from the Bid Proposal;
    d. The Proposal form is not properly executed;
    e. The Bidder fails to submit or properly complete a subcontractor list (WSDOT Form 271-015), if applicable, as required in Section 1-02.6;
    f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification (WSDOT Form 272-056), if applicable, as required in Section 1-02.6;
    g. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
    h. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award in accordance with Section 1-07.11;
    i. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
    j. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:

    a. The Proposal does not include a unit price for every Bid item;
    b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
    c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
    d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
    e. Receipt of Addenda is not acknowledged;
    f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
    g. If Proposal form entries are not made in ink.

1-02.15 Pre-Award Information

(December 30, 2022 APWA GSP)

Revise this section to read:

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,

2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.
7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

1-03 AWARD AND EXECUTION OF CONTRACT

1-03.1 Consideration of Bids

(December 30, 2022 APWA GSP)

Revise the first paragraph to read:

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

1-03.3 Execution of the Contract

(******)

Revise this section to read:

Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful bidder on the first business day following award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within 7 calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any work begun outside such areas and for any materials ordered before the contract is executed by the Contracting Agency.

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of 7 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
   a. Is registered with the Washington State Insurance Commissioner, and
   b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
   a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
   b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

(******)

Section 1-03.4 is supplemented with the following:

Release of Contract Bond will be 60 days following the Contract Completion date and Notice of Completion (NOC) being sent to the Washington State Department of Labor and Industries, Washington State Department of Revenue and Washington State Employment Security Department, provided following conditions are met:

1. Payment to the State with respect to taxes imposed pursuant to Title 82, RCW on Contracts totaling more than $ 35,000, a release has been obtained from the Washington State Department of Revenue.
2. Affidavits of Wages Paid for the Contractor and all Subcontractors are on file with the Contracting Agency (RCW 39.12.040).
3. A certificate of Payment of Contributions Penalties and Interest on Public Works Contract is received from the Washington State Employment Security Department.
4. Washington State Department of Labor and Industries (per Section 1-07.10) shows the Contractor, Subcontractor(s) and any lower tier Subcontractor(s) are current with payments of industrial insurance and medical aid premiums.
5. All claims, as provided by law, filed against the Contract Bond have been resolved.

1-03.7 Judicial Review

(December 30, 2022 APWA GSP)

Revise this section to read:

All decisions made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under

Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

1-04 SCOPE OF THE WORK

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

(December 30, 2022 APWA GSP)

Revise the second paragraph to read:

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Standard Specifications,
6. Contracting Agency's Standard Plans or Details (if any), and
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

1-04.4 Changes

(January 19, 2022 APWA GSP)

The first two sentences of the last paragraph of Section 1-04.4 are deleted.

(******)

Section 1-04.4 is supplemented with the following:

In the event work or materials becomes necessary for which no bid item exists the Engineer may, in addition to other remedies provided for by these specifications, require the Contractor to substitute other material or work for which bid items are available. This substitution will be made at contract bid prices provided such substitution involves work that does not differ greatly from what would otherwise have been required.

1-04.4(1) Minor Changes

(May 30, 2019 APWA GSP)

Delete the first paragraph and replace it with the following:

Payments or credits for changes amounting to $10,000 or less may be made under the Bid item "Minor Change". At the discretion of the Contracting Agency, this procedure for Minor Changes may be used in lieu of the more formal procedure as outlined in Section 1-04.4, Changes. All "Minor Change" work will be within the scope of the Contract Work and will not change Contract Time.

1-04.6 Variation in Estimated Quantities

(December 30, 2022 APWA GSP, Option A)

Revise the first paragraph to read:

Payment to the Contractor will be made only for the actual quantities of Work performed and accepted in conformance with the Contract. When the accepted quantity of Work performed under a unit item varies from the original Proposal quantity, payment will be at the unit Contract price for all Work unless the total accepted quantity of the Contract item, adjusted to exclude added or deleted amounts included in change orders accepted by both parties, increases or decreases by more than 25 percent from the original Proposal quantity, and if the total extended bid price for that item at time of award is equal to or greater than $100,000. In that case, payment for contract work may be adjusted as described herein.

1-05 CONTROL OF WORK

1-05.4 Conformity With and Deviations From Plans and Stakes

Section 1-05.4 is replaced with the following:

(January 13, 2021 WSDOT GSP)

Contractor Surveying - Roadway

The Contracting Agency has provided primary survey control in the Plans.

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.

2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.

3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.

4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor.

5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.

6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10- foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS

Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.

7. Establish intermediate elevation benchmarks as needed to check work throughout the project.

8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.

9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	Vertical	Horizontal
Slope stakes	± 0.10 feet	± 0.10 feet
Subgrade grade stakes set 0.04 feet below grade	± 0.01 feet	± 0.5 feet (parallel to alignment) ± 0.1 feet (normal to alignment)
Stationing on roadway	N/A	± 0.1 feet
Alignment on roadway	N/A	± 0.04 feet
Surfacing grade stakes	± 0.01 feet	± 0.5 feet (parallel to alignment) ± 0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	± 0.01 feet	± 0.2 feet (parallel to alignment) ± 0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as directed by the Engineer.

Payment
Payment will be made for the following bid item when included in the proposal:

"Contractor Surveying - Roadway", lump sum.

The lump sum contract price for "Contractor Surveying - Roadway" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

(******)
Section 1-05.4 is supplemented with the following:

The Contracting Agency will provide to the Contractor the AutoCAD/CIV3D surfaces of the finish (final) grades and road/levee alignments upon request. The Contracting Agency does not guarantee the accuracy of the surfaces and is not responsible for the content in any manner. The information is provided for the convenience to the Contractor.

Prior to placement of Crushed Surfacing Top Course, the Contractor shall survey the top of settlement pipe elevations and measure the total length of pipe attached to the settlement plate for each settlement plate location. Elevations shall be reported in the project survey datum and reported to the Engineer. There are 4 settlement plate pipes along Towne Road levee. The work to survey settlement plate pipes shall be included in the lump sum price for “Contractor Surveying – Roadway”.

1-05.7 Removal of Defective and Unauthorized Work
(October 1, 2005 APWA GSP)
Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the

Contractor's unauthorized work.

No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

1-05.8 Vacant

The title of Section 1-05.8 is deleted and replaced with the following:

(******)

1-05.8 Temporary Facilities

Section 1-05.8 is replaced with the following:

(******)

This section includes requirements for temporary access, temporary haul roads, temporary staging areas, temporary signs and other facilities the Contractor may provide, construct or install to facilitate the construction of permanent features of the work.

Temporary Utilities and Facilities

The Contractor shall connect and is responsible for payments for all temporary utilities and facilities including electrical, portable toilets, water, trailers, fencing rentals, project signs and other temporary constructions, and shall include these fees in the appropriate bid costs.

Toilet Facilities

The Contractor shall provide adequate toilet facilities for the Project. The Contractor shall keep the facilities in sanitary condition, clean and disinfect frequently, and remove at the end of the project site. The Contractor should provide a handwash station at the site.

Drinking Water

Drinking water is not available at the site. The Contractor will provide drinking water containers and sanitary drinking devices that are filled daily.

1-05.8(1) Payment

Payment for temporary facilities is incidental to mobilization bid item 1-09.7.

1-05.9 Equipment

Section 1-05.9 is supplemented with the following:

(April 7, 2008 WSDOT GSP)

General

This specification contains requirements for the use of machine control grading.

Instead of providing grade control through construction stakes, the Contractor may control grade with equipment that is controlled by a machine control system.

The Contractor may use any type of equipment and machine control system that produces results meeting the requirements of the Contract.

Electronic data is provided for the Contractor's convenience and is not a part of the Contract. No guarantee or warranty is made by the Contracting Agency that electronic data provided to the Contractor: is compatible with any of the systems that are used by the Contractor; is complete; is representative of actual conditions at the project site, or; accurately reflects the quantities and character of the actual Work required. The furnishing of electronic design data or documentation shall not relieve the Contractor from any risks or of any duty to make examinations and

investigations as required by Section 1-02.4 or any other responsibility under the Contract or as required by law. Except as provided above, no corrections, additions, or updates of any kind will be made to electronic data provided to the Contractor.

The Engineer may perform spot checks of the Contractor's machine control grading results, calculations, records, field procedures, and quality control measures. If the Engineer determines that the Work being performed is not achieving results that will meet the Contract requirements, the Contractor shall make corrections to the Work at no additional cost to the Contracting Agency.

Section 1-05.9 is supplemented with the following:

Contracting Agency Responsibilities

The Engineer will set the initial horizontal and vertical control points for the project as shown in the Contract documents.

The Engineer will provide additional datum and scale factor information upon request.

After execution of the Contract, the Engineer will make available upon written request the following electronic data used to design the project:

AutoCAD/Civil3D files for the Lower Dungeness River Floodplain Restoration and Levee/Road Realignment Project, Phase 3, 2024 Construction

Data may be obtained by furnishing an email request to the County Engineer or Project Engineer at the following email addresses:
Joe.Donisi@clallamcountywa.gov or Gus.Kays@shanwil.com

Contractor's Responsibilities

The Contractor shall provide any information or data that is requested by the Contracting Agency for the purpose of performing the verification of quantities, and quality.

The Contractor shall be responsible for any edits or conversions of the Contracting Agencies electronic data whether done by the Contractor or a vendor that is hired by the Contractor to perform such edits or conversions.

The Contractor shall be responsible for the accuracy and usability of any data or model that is developed from the Contracting Agencies data.

The Contractor shall be responsible for checking and recalibrating Machine Control Equipment as required to achieve results that meet the requirements of the Contract.

The Contractor shall be responsible for establishing any additional control points needed to achieve results that meet the requirements of the Contract.

The Contractor shall provide the Contracting Agency electronic as-built construction data for the final Roadway surface model in a MicroStation format.

One week prior to the start of grading operations the Contractor shall meet with the Engineer's staff to review the grading plans, quality processes, and tolerance requirements.

Payment

All costs associated with the use of machine control grading equipment are incidental to related items of Work, and no additional payment will be provided.

1-05.11 Final Inspection

(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

1-05.11(1) Substantial Completion Date

When the Contractor considers the work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefore.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the work physically complete and ready for final inspection.

1-05.11(2) Final Inspection and Physical Completion Date

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.
The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the work was considered physically complete. That date shall constitute the Physical Completion Date of the contract but shall not imply acceptance of the work or that all the obligations of the Contractor under the contract have been fulfilled.

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore, when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing shall be

fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit contract prices related to the system being tested, unless specifically set forth otherwise in the proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's guaranties or warranties furnished under the terms of the contract.

1-05.12 Final Acceptance

(March 8, 2013 APWA GSP)

Section 1-05.12 is supplemented with the following:

1-05.12(1) One-Year Guarantee Period

The Contractor shall return to the project and repair or replace all defects in workmanship and material discovered within one year after Final Acceptance of the Work. The Contractor shall start work to remedy any such defects within 7 calendar days of receiving Contracting Agency's written notice of a defect and shall complete such work within the time stated in the Contracting Agency's notice. In case of an emergency, where damage may result from delay or where loss of services may result, such corrections may be made by the Contracting Agency's own forces or another contractor, in which case the cost of corrections shall be paid by the Contractor. In the event the Contractor does not accomplish corrections within the time specified, the work will be otherwise accomplished and the cost of same shall be paid by the Contractor.

When corrections of defects are made, the Contractor shall then be responsible for correcting all defects in workmanship and materials in the corrected work for one year after acceptance of the corrections by Contracting Agency.

This guarantee is supplemental to and does not limit or affect the requirements that the Contractor's work comply with the requirements of the Contract or any other legal rights or remedies of the Contracting Agency.

1-05.14 Cooperation with Other Contractors

Section 1-05.14 is supplemented with the following:

(March 13, 1995 WSDOT GSP)

Other Contracts Or Other Work

It is anticipated that the following work adjacent to or within the limits of the project will be performed by others during the course of the project and will require coordination of the work:

1. Ongoing maintenance work by County forces or their agents.
2. Utility relocation work.
3. WSDOT Mitigation Site work.
4. Access to driveways and access roads on adjacent and Project properties.
5. Farm equipment transport along roads adjacent to the Project site.
6. Washington Department of Fish and Wildlife and Jamestown S'Klallam Tribe maintenance and access to their properties.

1-05.15 Method of Serving Notices

(January 4, 2024 APWA GSP)

Revise the second paragraph to read:

All correspondence from the Contractor shall be served and directed to the Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be written in paper format, hand delivered or sent via certified mail delivery service with return receipt requested to the Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

Section 1-05.16 is added with the following:

The Contractor shall make necessary arrangements and shall bear the costs for power and water necessary for the performance of the work, unless the contract includes power and water as a pay item. All water and power costs are incidental to the relevant bid item and associated unit price.

1-05.18 Record Drawings

(March 8, 2013 APWA GSP)

Section 1-05.16 is added with the following:

The Contractor shall maintain one set of full size plans for Record Drawings, updated with clear and accurate red-lined field revisions on a daily basis, and within 2 business days after receipt of information that a change in Work has occurred. The Contractor shall not conceal any work until the required information is recorded.

This Record Drawing set shall be used for this purpose alone, shall be kept separate from other Plan sheets, and shall be clearly marked as Record Drawings. These Record Drawings shall be kept on site at the Contractor's field office and shall be available for review by the Contracting Agency at all times. The Contractor shall bring the Record Drawings to each progress meeting for review.

The preparation and upkeep of the Record Drawings is to be the assigned responsibility of a single, experienced, and qualified individual. The quality of the Record Drawings, in terms of accuracy, clarity, and completeness, is to be adequate to allow the Contracting Agency to modify the computer-aided drafting (CAD) Contract Drawings to produce a complete set of Record Drawings for the Contracting Agency without further investigative effort by the Contracting Agency.

The Record Drawing markups shall document all changes in the Work, both concealed and visible. Items that must be shown on the markups include but are not limited to:

- Actual dimensions, arrangement, and materials used when different than shown in the Plans.
- Changes made by Change Order or Field Order.
- Changes made by the Contractor.
- Accurate locations of storm sewer, sanitary sewer, water mains and other water appurtenances, structures, conduits, light standards, vaults, width of roadways, sidewalks, landscaping areas, building footprints, channelization and pavement markings, etc. Include pipe invert elevations, top of castings (manholes, inlets, etc.).

If the Contract calls for the Contracting Agency to do all surveying and staking, the Contracting Agency will provide the elevations at the tolerances the Contracting Agency requires for the Record Drawings.

When the Contract calls for the Contractor to do the surveying/staking, the applicable tolerance limits include, but are not limited to the following:

	Vertical	Horizontal
As-built sanitary & storm invert and grate elevations	± 0.01 foot	± 0.01 foot
As-built monumentation	± 0.001 foot	± 0.001 foot
As-built waterlines, inverts, valves, hydrants	± 0.10 foot	± 0.10 foot
As-built ponds/swales/water features	± 0.10 foot	± 0.10 foot
As-built buildings (fin. Floor elev.)	± 0.01 foot	± 0.10 foot
As-built gas lines, power, TV, Tel, Com	± 0.10 foot	± 0.10 foot
As-built signs, signals, etc.	N/A	± 0.10 foot

Making Entries on the Record Drawings:

- Use erasable colored pencil (not ink) for all markings on the Record Drawings, conforming to the following color code:
- Additions - Red
- Deletions - Green
- Comments - Blue
- Dimensions - Graphite

- Provide the applicable reference for all entries, such as the change order number, the request for information (RFI) number, or the approved shop drawing number.
- Date all entries.
- Clearly identify all items in the entry with notes similar to those in the Contract Drawings (such as pipe symbols, centerline elevations, materials, pipe joint abbreviations, etc.).

The Contractor shall certify on the Record Drawings that said drawings are an accurate depiction of built conditions, and in conformance with the requirements detailed above. The Contractor shall submit final Record Drawings to the Contracting Agency. Contracting Agency acceptance of the Record Drawings is one of the requirements for achieving Physical Completion.

Payment will be made for the following bid item:

"Record Drawings", lump sum.

Payment for this item will be made on a prorated monthly basis for work completed in accordance with this section up to 75% of the lump sum bid. The final 25% of the lump sum item will be paid upon submittal and approval of the completed Record Drawings set prepared in conformance with these Special Provisions.

A minimum bid amount has been entered in the Bid Proposal for this item. The Contractor must bid at least that amount.

(******)

Section 1-05.18 is supplemented with the following:

The lump sum contract price for "Record Drawings" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified.

1-06 CONTROL OF MATERIAL

1-06.1 Approval of Materials Prior to Use

(******)

Supplement Section 1-06.1 with the following:

All material testing is the responsibility of the Contractor. The Engineer will perform periodic compliance testing on all approved materials as needed.

1-06.6 Recycled Materials

(January 4, 2016 APWA GSP)

Section 1-06.6 is replaced with the following:

The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials Reporting.

(******)

Section 1-06.6 is supplemented with the following:

Recycled materials are not allowed to be used in the construction of the levee, including slump repair and riprap.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to be Observed

(October 1, 2005 APWA GSP)

Section 1-07.1 is supplemented with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA).

The Contractor shall maintain at the project site office, or other well known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

1-07.2 State Taxes

(June 27, 2011 APWA GSP)

Delete this section, including its sub-sections, in its entirety and replace it with the following:

1-07.2 State Sales Tax

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The

Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

1-07.5 Environmental Regulations

Section 1-07.5 is supplemented with the following:
(September 20, 2010 WSDOT GSP)

Environmental Commitments

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the various documents referenced in the Special Provision Permits and Licenses. The permits are provided in Appendix B and a summary of Environmental Commitments is provided in Appendix B.1. Throughout the work, the Contractor shall comply with the following requirements:

- The Contractor shall attend a meeting with the Contracting Agency to review the Environmental Commitments of the contract.

- The Contractor shall provide all necessary support such that the construction contract remains in compliance with the environmental commitments and regulatory permits. Compensation for unauthorized wetland, stream or buffer impacts resulting from Contractor violations of the permits must be completed by the Contractor per applicable state and federal agency requirements.

(August 4, 2014 WSDOT GSP)

The Contractor shall submit a written notification to the Engineer no later than 10 calendar days prior to beginning any ground disturbing activities including grubbing, roadway excavation or structural excavations below existing grade as shown on the plans. The Contractor shall not commence any such ground disturbing activities until the monitor is present.

(April 1, 2019 WSDOT GSP)

The Contractor shall notify the Engineer a minimum of 15 calendar days prior to commencing any work in sensitive areas, mitigation areas, and wetland buffers. Installation of construction fencing is excluded from this notice requirement.

(******)

Section 1-07.5(1) is supplemented with the following:

No excavation, clearing, or fills are allowed outside the construction line limits shown on the plans.

(August 3, 2009 WSDOT GSP)

Payment

All costs to comply with this special provision for the environmental commitments and requirements are incidental to the contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the contract.

1-07.5(2) State Department of Fish and Wildlife

Section 1-07.5(2) is supplemented with the following:

(April 2, 2018 WSDOT GSP)

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the Washington State Department of Fish and Wildlife. Throughout the work, the Contractor shall comply with the following requirements:

Comply with the requirements of the permits and items summarized in the Environmental Commitments summary and in the Hydraulic Project Approval 2019-6-374+06 in Appendix B.6, or as may be modified and subsequently provided to the Contractor.

(April 2, 2018 WSDOT GSP)

All costs to comply with this special provision are incidental to the Contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the Contract.

1-07.5(3) State Department of Ecology

Section 1-07.5(3) is supplemented with the following:

(April 2, 2018 WSDOT GSP)

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the Washington State Department of Ecology. Throughout the work, the Contractor shall comply with the following requirements:

Comply with the requirements of the permits and items summarized in the Environmental Commitments summary and in the Water Quality Certification (Section 401) Order No. 16239, in Appendix B.4. The Contracting Agency shall perform the required water quality monitoring and reporting to Washington State Department of Ecology.

(August 3, 2009 WSDOT GSP)

A mixing zone is established within which the turbidity standard is waived during actual in-water work. The mixing zone is established to only temporarily allow exceeding the turbidity criteria (such as a few hours or days) and is not authorization to exceed the turbidity standard for the entire duration of the construction. The mixing zone shall not exceed 200 feet downstream from the construction areas at the point of compliance on the Dungeness River and 100 feet downstream from the construction areas at the point of compliance on Meadowbrook Creek and the West Tributary as shown in the Construction Water Quality Monitoring and Protection Plan (WQMPP), Lower Dungeness River Floodplain Restoration (2022).

(April 1, 2019 WSDOT GSP)

Stormwater, dewatering water, or other authorized non-stormwater discharges that has come into contact with pH modifying substances such as concrete rubble, cast concrete or amended soils, need to be maintained between 6.5 – 8.5 standard units (su). If pH exceeds 8.5 su, the Contractor shall immediately discontinue work and initiate treatment to prevent discharges outside the acceptable range from occurring. All neutralization methods used shall be in accordance with the permit. Work may resume once treatment has been implemented and pH of the stormwater or authorized non-stormwater discharge is between 6.5 - 8.5 su or it can be demonstrated that high pH waters will not discharge to surface waters.

Stormwater, dewatering water, and other authorized non-stormwater discharges are monitored weekly for compliance with the turbidity benchmark (25 nephelometric turbidity units (ntu)) and the phone reporting trigger value (250 ntu) by the Contracting Agency. When the turbidity benchmark is breached, the best management practices (BMPs) installed on-site are not working adequately and need to be adapted, maintained or more BMPs shall be installed. When the turbidity phone reporting trigger value is breached, immediate action is required in order to lower the turbidity to <25 ntu or to eliminate the discharge. Daily follow-up discharge samples will be collected at all locations where a discharge of 250 ntu or higher was collected unless the discharge was stopped or eliminated.

(April 2, 2018 WSDOT GSP)

All costs to comply with this special provision are incidental to the Contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the Contract.

1-07.5(5) U.S. Army Corps of Engineers

Section 1-07.5(5) is supplemented with the following:

(April 2, 2018 WSDOT GSP)

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the U.S. Army Corps of Engineers. Throughout the work, the Contractor shall comply with the following requirements:

Comply with the requirements of the permits and items summarized in the Environmental

Commitments summary and in the USACE NWS-2017-719 in Appendix B.2, the original dated November 24, 2020, and a modification dated July 20, 2022.

(******)

U.S. Army Corps of Engineers (USACE) Individual Permit

The Contracting Agency is pursuing a second modification from its existing Standard Permit NWS-2017-719 in Appendix B.2. The modification is required to permit construction of the CAVFS. Although the modification is not yet available, additional requirements impacting construction of the work are not expected beyond what is contained in the existing Standard Permit and modification. If the modification is issued with additional items that impact the scope or schedule of the work, an adjustment will be considered per Section 1-04.4. The Contracting Agency will provide the Contractor with a copy of the modification as soon as it has been issued. The Contractor shall comply with all provisions of the permit, including two U.S. Army Corps of Engineers-approved modifications, while completing the work.

(August 3, 2009 WSDOT GSP)

Heavy equipment working in wetlands or mudflats must be placed on mats or other measures taken to minimize soil disturbance as approved by the Engineer.

(April 2, 2018 WSDOT GSP)

All costs to comply with this special provision are incidental to the Contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the Contract.

1-07.5(6) U.S. Fish and Wildlife Service and National Marine Fisheries Service

Section 1-07.5(6) is supplemented with the following:

(April 2, 2018 WSDOT GSP)

The following Provisions summarize the requirements, in addition to those required elsewhere in the Contract, imposed upon the Contracting Agency by the U.S. Fish/Wildlife Services and the National Marine Fisheries Service. Throughout the work, the Contractor shall comply with the following requirements:

Comply with the requirements of the permits and items summarized in the Environmental Commitments summary and in the USFWS ESA Concurrence, USFWS Programmatic Biological Opinion, and the requirements for construction in the USFWS and NMFS Contractors Handbook in Appendix B.3.

(April 2, 2018 WSDOT GSP)

All costs to comply with this special provision are incidental to the contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the contract.

1-07.5(7) Critical and Sensitive Areas: ESA Compliance

(******)

Section 1-07.5(7) is added with the following:

The Contractor shall comply with all federal, state, and local laws, rules, standards and regulations applicable to the performance of work under the contract and perform all work so as to avoid or minimize impacts on critical areas contained within, adjacent to, or downstream from the County right-of-way. The award of this Contract shall in no way relieve or release the Contractor from its responsibility and obligation for avoiding "take" of any threatened or endangered species as defined by the Endangered Species Act of 1973, 16 USC §1531, et seq., as amended, in the performance of any work authorized hereunder or under any right-of-way permits. All activities shall be performed in strict compliance and comport with the provisions of the Endangered Species Act.

Contractor agrees that it will not cause nor permit in any manner, including negligent or intentional acts or omissions, release of any hazardous substance, waste, or pollutant or contaminant contrary to any state or federal law or local regulation with respect thereto. Contractor shall notify the Washington State Department of Ecology and Clallam County in writing immediately upon any such release. Contractor shall indemnify, hold harmless, defend and covenant not to sue the County, from and against any and all claims, actions or suits in equity or at law and any judgments, damages, awards, penalties or fines, including reasonable attorneys' and expert witness fees and other costs incurred in the defense thereof, arising out of the release or spill of any such hazardous materials, dangerous waste, or pollutant. Contractor shall be solely responsible for complete clean up and remediation, as required by any government agency, of any and all hazardous materials, dangerous waste or pollutants released or spilled. The County shall be entitled to indemnification by Contractor for all costs incurred as the result of any release or spill of such materials by Contractor, its agents, officials, officers and employees. Upon any release or spill of any such substance mentioned herein, the County may, where it deems necessary to protect the public health, safety and welfare, immediately take any and all steps it deems necessary and advisable to contain, clean up or remediate the release or spill. The County shall be entitled to repayment and reimbursement from the Contractor of any costs or expenses incurred in responding to such a release or spill, including any costs, attorneys' or expert witness fees, or other expenses incurred in obtaining repayment and reimbursement.

1-07.6 Permits and Licenses

Section 1-07.6 is supplemented with the following:

(January 2, 2018 WSDOT GSP)

The Contracting Agency has obtained the below-listed permit(s) for this project. A copy of the permit(s) is attached as an appendix for informational purposes. Copies of these permits, including a copy of the Transfer of Coverage form, when applicable, are required to be onsite at all times. The Contractor shall comply with all permits and conditions outlined below and in Appendix B.

Contact with the permitting agencies, concerning the below-listed permit(s), shall be made through the Engineer. The Contractor shall be responsible for developing a Stormwater Pollution Prevention Plan (SWPPP) and obtaining Ecology's approval for any Work requiring additional approvals (e.g. Request for Chemical Treatment Form). The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable Bid items for the Work involved.

NAME OF DOCUMENT	PERMITTING AGENCY	PERMIT REFERENCE NO.
Department of the Army Section 404 Individual Permit	Corps of Engineers Seattle District	NWS-2017-719
Department of the Army Section 404 Nationwide	Corps of Engineers Seattle District	Not applicable.
Department of the Army Section 10 Individual Permit	Corps of Engineers Seattle District	Not applicable.
Section 401 Water Quality Certification	Department of Ecology	Order No. 16239
Section 401 Letter of Verification	Department of Ecology	Not applicable.
Coastal Zone Management Consistency Certification	Department of Ecology	No formal determination from Ecology received within 60 days, so presumption of concurrence
NPDES Construction Stormwater General Permit	Department of Ecology	WAR310143
Hydraulic Project Approval	Department of Fish & Wildlife	2019-6-374+06 and applicable modifications
Aquatic Lands Conservation License	Department of Natural Resources	23-097756
Shoreline Permit, Variance, or Exemption	Clallam County	SHR2018-00004 (SDP #3811 / CUP #1266)
Critical Area Ordinance Permit	Clallam County	VAR 2018-00001
Marine Mammal Protection Incidental Harassment Authorization	National Marine Fisheries Service	Not applicable.
NPDES Waste Discharge Permit (Washing and Pressure-washing of Bridges and Ferry Terminals)	Department of Ecology	Not applicable.

1-07.11 Requirements for Nondiscrimination

Supplement this section with the following:

(October 1, 2020 APWA GSP, Option A)

Disadvantaged Business Enterprise Participation

The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 and USDOT's official interpretations (i.e., Questions & Answers) apply to this Contract. As such, the requirements of this Contract are to make affirmative efforts to solicit DBEs, provide information on who submitted a Bid or quote and to report DBE participation monthly as described elsewhere in these Contract Provisions. No preference will be included in the evaluation of Bids/Proposals, no minimum level of DBE participation shall be required as a Condition of Award and Bids/Proposals may not be rejected or considered non-responsive on that basis.

DBE Abbreviations and Definitions

Broker – A business firm that provides a bona fide service, such as professional, technical, consultant or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, or supplies required for the performance of the Contract, or, persons/companies who arrange or expedite transactions.

Certified Business Description – Specific descriptions of work the DBE is certified to perform, as identified in the Certified Firm Directory, under the Vendor Information page.

Certified Firm Directory – A database of all Minority, Women, and Disadvantaged Business Enterprises. The on-line Directory is available to Contractors for their use in identifying and soliciting interest from DBE firms. The database is located under the Firm Certification section of the Diversity Management and Compliance System web page at: https://omwbe.diversitycompliance.com.

Commercially Useful Function (CUF)
49 CFR 26.55(c)(1) defines commercially useful function as: "A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, you must evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors."

Contract – For this Special Provision only, this definition supplements Section 1-01.3. 49 CFR 26.5 defines contract as: "… a legally binding relationship obligating a seller to furnish supplies or services (including, but not limited to, construction and professional services) and the buyer to pay for them. For purposes of this part, a lease is considered to be a contract."

Disadvantaged Business Enterprise (DBE) – A business firm certified by the Washington State Office of Minority and Women's Business Enterprises, as meeting the criteria outlined in 49 CFR 26 regarding DBE certification.

Force Account Work – Work measured and paid in accordance with Section 1-09.6.

Manufacturer (DBE) – A DBE firm that operates or maintains a factory or establishment that produces on the premises the materials, supplies, articles, or equipment required under the Contract. A DBE Manufacturer shall produce finished goods or products from raw or unfinished material or purchase and substantially alters goods and materials to make them suitable for construction use before reselling them.

Regular Dealer (DBE) – A DBE firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of a Contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a Regular Dealer, the DBE firm must be an established regular business that engages in as its principal business and in its own name the purchase and sale of the products in question. A Regular Dealer in such items as steel, cement, gravel, stone, and petroleum products need not own, operate or maintain a place of business if it both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by long-term formal lease agreements and not on an ad-hoc basis. Brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions shall not be regarded as Regular Dealers within the meaning of this definition.

DBE Goals
No DBE goals have been assigned as part of this Contract.

Affirmative Efforts to Solicit DBE Participation
The Contractor shall not discriminate on the grounds of race, color, sex, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. DBE firms shall have an equal opportunity to compete for subcontracts in which the Contractor enters into pursuant to this Contract.

Contractors are encouraged to:

1. Advertise opportunities for Subcontractors or suppliers in a timely and reasonably designed manner to provide notice of the opportunity to DBEs capable of performing the

Work. All advertisements should include a Contract Provision encouraging participation by DBE firms. This may be accomplished through general advertisements (e.g. newspapers, journals, etc.) or by soliciting Bids/Proposals directly from DBEs.

2. Establish delivery schedules that encourage participation by DBEs and other small businesses.

3. Participate with a DBE as a joint venture.

DBE Eligibility/Selection of DBEs for Reporting Purposes Only
Contractor may take credit for DBEs utilized on this Contract only if the firm is certified for the Work being performed, and the firm performs a commercially useful function (CUF).

Absent a mandatory goal, all DBE participation that is attained on this project will be considered as "race neutral" participation and shall be reported as such.

Crediting DBE Participation
All DBE Subcontractors shall be certified before the subcontract on which they are participating is executed.

Be advised that although a firm is listed in the directory, there are cases where the listed firm is in a temporary suspension status. The Contractor shall review the OMWBE Suspended DBE Firms list. A DBE firm that is included on this list may not enter into new contracts that count towards participation.

DBE participation is only credited upon payment to the DBE.

The following are some definitions of what may be counted as DBE participation.

DBE Prime Contractor
Only take credit for that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE Prime Contractor performs with its own forces and is certified to perform.

DBE Subcontractor
Only take credit for that portion of the total dollar value of the subcontract equal to the distinct, clearly defined portion of the Work that the DBE performs with its own forces. The value of work performed by the DBE includes the cost of supplies and materials purchased by the DBE and equipment leased by the DBE, for its work on the contract. Supplies, materials or equipment obtained by a DBE that are not utilized or incorporated in the contract work by the DBE will not be eligible for DBE credit.

The supplies, materials, and equipment purchased or leased from the Contractor or its affiliate, including any Contractor's resources available to DBE subcontractors at no cost, shall not be credited.

DBE credit will not be given in instances where the equipment lease includes the operator. The DBE is expected to operate the equipment used in the performance of its work under the contract with its own forces. Situations where equipment is leased and used by the DBE, but payment is deducted from the Contractor's payment to the DBE is not allowed.

If a DBE subcontracts a portion of the Work of its contract to another firm, the value of the subcontracted Work may be credited only if the DBE's Lower-Tier Subcontractor is also a DBE. Work subcontracted to a non-DBE shall not be credited.

Count expenditures toward race/gender-neutral participation only if the DBE is performing a CUF on the contract.

DBE Subcontract and Lower Tier Subcontract Documents
There must be a subcontract agreement that complies with 49 CFR Part 26 and fully describes the distinct elements of Work committed to be performed by the DBE. The subcontract agreement shall incorporate requirements of the primary Contract. Subcontract agreements of all tiers, including lease agreements shall be readily available at the project site for the Engineer review.

DBE Service Provider
The value of fees or commissions charged by a DBE Broker, a DBE behaving in a manner of a Broker, or another service provider for providing a bona fide service, such as professional, technical, consultant, managerial services, or for providing bonds or insurance specifically required for the performance of the contract will only be credited as DBE participation, if the fee/commission is determined by the Contracting Agency to be reasonable and the firm has performed a CUF.

Temporary Traffic Control
If the DBE firm is being utilized in the capacity of only "Flagging", the DBE firm must provide a Traffic Control Supervisor (TCS) and flagger, which are under the direct control of the DBE. The DBE firm shall also provide all flagging equipment (e.g. paddles, hard hats, and vests).

If the DBE firm is being utilized in the capacity of "Traffic Control Services", the DBE firm must provide a TCS, flaggers, and traffic control items (e.g., cones, barrels, signs, etc.) and be in total control of all items in implementing the traffic control for the project. In addition, if the DBE firm utilizes the Contractor's equipment, such as Transportable Attenuators and Portable Changeable Message Signs (PCMS) no DBE credit can be taken for supplying and operating the items.

Trucking
DBE trucking firm participation may only be credited as DBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also certified as a supplier. In situations where the DBE's work is priced per ton, the value of the hauling service must be calculated separately from the value of the materials in order to determine DBE credit for hauling.

The DBE trucking firm must own and operate at least one licensed, insured and operational truck on the contract. The truck must be of the type that is necessary to perform the hauling duties required under the contract. The DBE receives credit for the value of the transportation services it provides on the Contract using trucks it owns or leases, licenses, insures, and operates with drivers it employs.

The DBE may lease additional trucks from another DBE firm. The Work that a DBE trucking firm performs with trucks it leases from other certified DBE trucking firms qualify for 100% DBE credit

The trucking Work subcontracted to any non-DBE trucking firm will not receive credit for Work done on the project. The DBE may lease trucks from a non-DBE truck leasing company, but can only receive credit as DBE participation if the DBE uses its own employees as drivers.

DBE credit for a truck broker is limited to the fee/commission that the DBE receives for arranging transportation services.

Truck registration and lease agreements shall be readily available at the project site for the

Engineer review.

DBE Manufacturer and DBE Regular Dealer
One hundred percent (100%) of the cost of the manufactured product obtained from a DBE Manufacturer can count as DBE participation.

Sixty percent (60%) of the cost of materials or supplies purchased from a DBE Regular Dealer may be credited as DBE participation. If the role of the DBE Regular Dealer is determined to be that of a pass-through, then no DBE credit will be given for its services. If the role of the DBE Regular Dealer is determined to be that of a Broker, then DBE credit shall be limited to the fee or commission it receives for its services. Regular Dealer status and the amount of credit is determined on a Contract-by-Contract basis.

Regular Dealer DBE firms must be approved before being used on a project. The WSDOT Approved Regular Dealer list published on WSDOT's Office of Equal Opportunity (OEO) web site must include the specific project for which approval is being requested. The Regular Dealer must submit the Regular Dealer Status Request form a minimum of five days prior to being utilized on the specific project.

Purchase of materials or supplies from a DBE which is neither a manufacturer nor a regular dealer, (i.e. Broker) only the fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site, can count as DBE participation provided the fees are not excessive as compared with fees customarily allowed for similar services. Documentation will be required to support the fee/commission charged by the DBE. The cost of the materials and supplies themselves cannot be counted toward as DBE participation.

Note: Requests to be listed as a Regular Dealer will only be processed if the requesting firm is a material supplier certified by the Office of Minority and Women's Business Enterprises in a NAICS code that falls within the 42XXXX NAICS Wholesale code section.

Procedures Between Award and Execution
After Award and prior to Execution, the Contractor shall provide the additional information described below. Failure to comply shall result in the forfeiture of the Bidder's Proposal bond or deposit.

1. A list of all firms who submitted a bid or quote in attempt to participate in this project whether they were successful or not. Include the business name and mailing address.

Note: The firms identified by the Contractor may be contacted by the Contracting Agency to solicit general information as follows: age of the firm and average of its gross annual receipts over the past three-years.

Procedures After Execution
Commercially Useful Function (CUF)
The Contractor may only take credit for the payments made for Work performed by a DBE that is determined to be performing a CUF. Payment must be commensurate with the work actually performed by the DBE. This applies to all DBEs performing Work on a project, whether or not the DBEs are COA, if the Contractor wants to receive credit for their participation. The Engineer will conduct CUF reviews to ascertain whether DBEs are performing a CUF. A DBE performs a CUF when it is carrying out its responsibilities of its contract by actually performing, managing, and supervising the Work involved. The DBE must be responsible for negotiating price; determining quality and quantity; ordering the material, installing (where applicable); and paying

for the material itself. If a DBE does not perform "all" of these functions on a furnish-and-install contract, it has not performed a CUF and the cost of materials cannot be counted toward DBE COA Goal. Leasing of equipment from a leasing company is allowed. However, leasing/purchasing equipment from the Contractor is not allowed. Lease agreements shall be readily available for review by the Engineer.

In order for a DBE traffic control company to be considered to be performing a CUF, the DBE must be in control of its work inclusive of supervision. The DBE shall employ a Traffic Control Supervisor who is directly involved in the management and supervision of the traffic control employees and services.

The DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which the funds are passed in order to obtain the appearance of DBE participation.

The following are some of the factors that the Engineer will use in determining whether a DBE trucking company is performing a CUF:

- The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on the Contract. The owner demonstrates business related knowledge, shows up on site and is determined to be actively running the business.

- The DBE shall with its own workforce, operate at least one fully licensed, insured, and operational truck used on the Contract. The drivers of the trucks owned and leased by the DBE must be exclusively employed by the DBE and reflected on the DBE's payroll.

- Lease agreements for trucks shall indicate that the DBE has exclusive use of and control over the truck(s). This does not preclude the leased truck from working for others provided it is with the consent of the DBE and the lease provides the DBE absolute priority for use of the leased truck.

- Leased trucks shall display the name and identification number of the DBE.

Joint Checking
A joint check is a check between a Subcontractor and the Contractor to the supplier of materials/supplies. The check is issued by the Contractor as payer to the Subcontractor and the material supplier jointly for items to be incorporated into the project. The DBE must release the check to the supplier, while the Contractor acts solely as the guarantor.

A joint check agreement must be approved by the Engineer and requested by the DBE involved using the DBE Joint Check Request Form (form # 272-053) prior to its use. The form must accompany the DBE Joint Check Agreement between the parties involved, including the conditions of the arrangement and expected use of the joint checks.

The approval to use joint checks and the use will be closely monitored by the Engineer. To receive DBE credit for performing a CUF with respect to obtaining materials and supplies, a DBE must "be responsible for negotiating price, determining quality and quantity, ordering the material and installing and paying for the material itself." The Contractor shall submit DBE Joint Check Request Form for the Engineer approval prior to using a joint check.

Material costs paid by the Contractor directly to the material supplier is not allowed. If proper procedures are not followed or the Engineer determines that the arrangement results in lack of independence for the DBE involved, no DBE credit will be given for the DBE's participation as it relates to the material cost.

Prompt Payment
Prompt payment to all subcontractors shall be in accordance with Section 1-08.1. Prompt Payment requirements apply to progress payments as well as return of retainage.

Reporting
The Contractor and all subcontractors/suppliers/service providers that utilize DBEs to perform work on the project, shall maintain appropriate records that will enable the Engineer to verify DBE participation throughout the life of the project.

Refer to Section 1-08.1 for additional reporting requirements associated with this Contract.

Decertification
When a DBE is "decertified" from the DBE program during the course of the Contract, the participation of that DBE shall continue to count as DBE participation as long as the subcontract with the DBE was executed prior to the decertification notice. The Contractor is obligated to substitute when a DBE does not have an executed subcontract agreement at the time of decertification.

Consequences of Non-Compliance
Each contract with a Contractor (and each subcontract the Contractor signs with a Subcontractor) must include the following assurance clause:

The Contractor, subrecipient, or Subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;

(2) Assessing sanctions;

(3) Liquidated damages; and/or

(4) Disqualifying the Contractor from future bidding as non-responsible.

Payment
Compensation for all costs involved with complying with the conditions of this Specification and any other associated DBE requirements is included in payment for the associated Contract items of Work, except otherwise provided in the Specifications.

1-07.11(2) Contractual Requirements

Section 1-07.11(2) is supplemented with the following:
(January 24, 2024 WSDOT GSP)

11. The Contractor shall comply with the following nondiscrimination provisions, and the Contractor shall ensure the nondiscrimination provisions are included in all subcontracts:

    a. Nondiscrimination Requirement. During the term of this Contract, the Contractor, including all subcontractors, shall not discriminate on the bases enumerated at RCW 49.60.530(3). In addition, the Contractor, including all subcontractors, shall give written notice of this nondiscrimination requirement to any labor organizations with which the Contractor, or subcontractor, has a collective bargaining or other agreement.

b. Obligation to Cooperate. The Contractor, including all subcontractors, shall cooperate and comply with any Washington state agency investigation regarding any allegation that the Contractor, including any subcontractor, has engaged in discrimination prohibited by this Contract pursuant to RCW 49.60.530(3).

c. Default. Notwithstanding any provision to the contrary, the Contracting Agency may suspend the Contract in accordance with Section 1-08.6, upon notice of a failure to participate and cooperate with any state agency investigation into alleged discrimination prohibited by this Contract, pursuant to RCW 49.60.530(3). Any such suspension will remain in place until the Contracting Agency receives notification that Contractor, including any subcontractor, is cooperating with the investigating state agency. In the event the Contractor, or subcontractor, is determined to have engaged in discrimination identified at RCW 49.60.530(3), the Contracting Agency may terminate this Contract in whole or in part in accordance with Section 1-08.10(1), and in addition to the sanctions listed in Section 1-07.11(5), the Contractor, subcontractor, or both, may be referred for debarment as provided in RCW 39.26.200. The Contractor or subcontractor may be given a reasonable time in which to cure this noncompliance, including implementing conditions consistent with any court-ordered injunctive relief or settlement agreement.

d. Remedies for Breach. Notwithstanding any provision to the contrary, in the event of Contract termination or suspension for engaging in discrimination, the Contractor, subcontractor, or both, shall be liable for contract damages as authorized by law including, but not limited to, any cost difference between the original contract and the replacement or cover contract and all administrative costs directly related to the replacement contract, which damages are distinct from any penalties imposed under Chapter 49.60, RCW. The Contracting Agency shall have the right to deduct from any monies due to Contractor or subcontractor, or that thereafter become due, an amount for damages Contractor or subcontractor will owe Contracting Agency for default under this Provision.

1-07.16 Protection and Restoration of Property
1-07.16(2) Vegetation Protection and Restoration

Section 1-07.16(2) is supplemented with the following:

(August 2, 2010 WSDOT GSP)

Vegetation and soil protection zones for trees shall extend out from the trunk to a distance of 1 foot radius for each inch of trunk diameter at breast height.

Vegetation and soil protection zones for shrubs shall extend out from the stems at ground level to twice the radius of the shrub.

Vegetation and soil protection zones for herbaceous vegetation shall extend to encompass the diameter of the plant as measured from the outer edge of the plant.

1-07.17 Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

(******)

Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

It is anticipated that utility coordination will be completed as follows:

Protecting existing communications / cable / electrical / power

The following addresses and telephone numbers of utility companies or their Contractors that operate utilities within the project limits are supplied for the Contractor's use:

Qwest Communications
635 N Oakridge Dr.
Port Angeles, WA 98362
Phone: (360) 452-7673

Clallam County
Public Utility District
P.O. Box 1090
Port Angeles, WA 98362
Phone: (360) 452-9771

CenturyTel
P.O. Box 90
Forks, WA 98331
Phone: (360) 374-2322

CenturyLink Communications
8102 Skansie Avenue
Gig Harbor, WA 98332
Phone: (253) 851-1259

Wave Division Holdings (Cable TV)
725 East First Street
Port Angeles, WA 98362
Phone: (360) 452-8466

Dungeness Irrigation District
163 McComb Rd.
Sequim, WA 98382
Phone: (360) 683-4480

Dry Creek Water Association
3671 W Edgewood Drive
Port Angeles, WA 98363
Phone: (360) 452-2780

Wave Division Holdings (Cable TV)
401 Kirkland Park, Place, Suite #500
Kirkland, WA 98033
Phone: (360) 452-8466

(******)

Section 1-07.17 is supplemented with the following:

Payment

Payment will be made in accordance with Section 1-04.1, for the following bid item:

"Utility Coordination", by lump sum.

The lump sum Contract price for "Utility Coordination" shall include but not be limited to any meetings with the utility representatives, planning and execution of work related to the utility relocation, decommissioning, or commissioning efforts by the public and franchise utilities, protecting existing utilities, and other coordination efforts as needed to facilitate the relocation, protection, decommissioning, or commissioning as part of the overall Project.

1-07.18 Public Liability and Property Damage Insurance

Delete this section in its entirety, and replace it with the following:

1-07.18 Insurance

(January 4, 2024 APWA GSP)

1-07.18(1) General Requirements

A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.

B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.

C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months

following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.

D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.

E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency

G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.

H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

I. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A "wrap up policy" is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

1-07.18(2) Additional Insured

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

- the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

1-07.18(3) Subcontractors

The Contractor shall cause each subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by subcontractors.

The Contractor shall ensure that all subcontractors of every tier add all entities listed in 1 07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

1-07.18(4) Verification of Coverage

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand such verification of coverage with these insurance requirements or failure of Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal and

advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

$2,000,000	Each Occurrence
$3,000,000	General Aggregate
$3,000,000	Products & Completed Operations Aggregate
$2,000,000	Personal & Advertising Injury each offence
$2,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:

$1,000,000	Combined single limit each accident

1-07.18(5)C Workers' Compensation

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

1-07.18(5)H Marine Pollution

(January 4, 2016 APWA GSP)

The Contractor shall procure and maintain Pollution Liability (OPA, CERCLA) insurance to satisfy U.S. Coast Guard requirements as respects the Federal Oil Pollution Act of 1990 and the Comprehensive Environmental Response, Compensation and Liability Act of 1980 as amended.

Such policy must provide the following minimum limits, or statutory limits of liability as applicable, whichever is higher:

$1,000,000	per Occurrence

1-07.18(5)J Pollution Liability

(January 4, 2016 APWA GSP)

The Contractor shall provide a Contractors Pollution Liability policy, providing coverage for claims involving bodily injury, property damage (including loss of use of tangible property that has not been physically injured), cleanup costs, remediation, disposal or other handling of pollutants, including costs and expenses incurred in the investigation, defense, or settlement of claims, arising out of any one or more of the following:

1. Contractor's operations related to this project.
2. Remediation, abatement, repair, maintenance or other work with lead-based paint or materials containing asbestos.
3. Transportation of hazardous materials away from any site related to this project.

All entities listed under 1-07.18(2) of these Special Provisions shall be named by endorsement as additional insureds on the Contractors Pollution Liability insurance policy.

Such Pollution Liability policy shall provide the following minimum limits:
$1,000,000 each loss and annual aggregate

(******)

Section 1-07.18 is supplemented with the following:

Without altering the terms of Section 1-07.18 except as set forth in this entire document, the County, its officers and employees shall be named as additional insureds in a policy with the same company which insures the Contractor or its subcontractors, or by an endorsement to an existing policy, or with a separate carrier approved pursuant to RCW 48. Written evidence of the required coverage in the form of a certificate of insurance with the applicable endorsements attached, or at the County's request, a copy of the policy and endorsements shall be mailed to the Clallam County Department of Public Works, 223 East Fourth Street, Suite 6, Port Angeles, WA 98362-3015.

1-07.23 Public Convenience and Safety

1-07.23(1) Construction Under Traffic

(February 6, 2023 WSDOT GSP)

Section 1-07.23(1) is supplemented with the following:

Lane, ramp, shoulder, and roadway closures are subject to the following restrictions:

When the Contractor's construction operations are actually in progress, traffic may be restricted to one lane, subject to the below requirements. The lane restrictions shall be held to a minimum time and length needed for each operation. If the Engineer determines that the lane restrictions are causing congestion, the Contractor will be required to open all lanes to traffic until the congestion is eliminated.

During non-working hours, the Contractor shall keep all lanes open to traffic throughout the limits of the project. The lane and shoulder areas shall be kept completely clear of all materials, tools, personnel, and equipment, except where protected by guardrail or temporary concrete barrier approved by the Engineer.

Interference or delay to the Contractor's operations resulting from safeguarding traffic will not be a basis for extra compensation.

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours. Exceptions to these restrictions are listed below and when applicable take precedence over closures listed above. The Engineer may also consider on a case-by-case basis additional exceptions following a written request by the Contractor.

Lane, ramp, shoulder, and roadway closures are not allowed on any of the following:

1. A holiday,
2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.
3. After 12pm on the day prior to a holiday or holiday weekend, and
4. Before 12pm on the day after the holiday or holiday weekend.
5. The two-hour period prior to and the two-hour period after the following special events:
   - Clallam Bay - Sekiu Fun Days
   - Joyce Daze
   - Clallam County Fair
   - Makah Days
   - Port Angeles Salmon Derby
   - Lavender Festival
   - Irrigation Festival

It shall be the Contractor's responsibility to obtain the dates and times of all events.

Traffic Delays
When Automated Flagger Assistance Devices (AFADs) or flaggers are used to control traffic, traffic shall not be stopped for more than 10 minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than 10 minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the 10 minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the 10 minute limit. This proposal shall be accepted by the Engineer prior to resuming any work requiring traffic control.

There shall be no delay to medical, fire, or other emergency vehicles. The Contractor shall alert all flaggers and personnel of this requirement.

General Restrictions
Construction vehicles using a closed traffic lane shall travel only in the normal direction of traffic flow unless expressly allowed in an accepted traffic control plan. Construction vehicles shall be equipped with flashing or rotating amber lights.

No two consecutive on-ramps, off-ramps, or intersections shall be closed at the same time and only one ramp at an interchange shall be closed, unless specifically shown in the Plans.

Roads or ramps that are designated as part of a detour shall not be closed or restricted during the implementation of that detour, unless specifically shown in the Plans.

Controlled Access
No special access or egress shall be allowed by the Contractor other than normal legal movements or as shown in the Plans.

Contractor's vehicles of 10,000 GVW or greater shall not exit or enter a lane open to public traffic except as follows:

Egress and ingress shall only occur during the hours of allowable lane closures, and:

1. For exiting an open lane of traffic, by decelerating in a lane that is closed during the allowable hours for lane closures.

2. For entering an open lane of traffic, by accelerating in a closed lane during the allowable hours for lane closures.

Traffic control vehicles are excluded from the gross vehicle weight requirement. If placing construction signs will restrict traveled lanes, then the work will be permitted during the hours of allowable lane closures.

Advance Notification
The Contractor shall notify the Engineer in writing of any traffic impacts related to lane closure, shoulder closure, sidewalk closure, or any combination for the week by 12:00 p.m. (noon) Wednesday the week prior to the stated impacts.

The Contractor shall notify the Engineer in writing ten working days in advance of any traffic impacts related to full roadway closure, ramp closure, or both.

The Contractor shall notify the Engineer in writing of any changes to the stated traffic impacts a minimum of 48 hours prior to the traffic impacts.

1-07.23(4) Site Access

Section 1-07.23(4) is added as follows:

(******)

The Contractor shall close Towne Road Levee to the public during working hours. The Contractor is responsible to control public access to the work area during construction. The Contractor shall maintain private access during construction to the Eberle property and driveways. The Contractor shall maintain and coordinate access during construction to the public parking area, PCC Farmland Trust Driveway, River's Edge Levee, Dungeness Creamery driveway, and for utility owners, and shall not block access without prior approval. Approval for blocked access is not guaranteed. All costs associated with the closure of Towne Road Levee to the public during working hours and maintaining access to the above properties are incidental to Project Temporary Traffic Control, and no additional payment will be provided.

The Contractor shall provide a temporary public pedestrian access corridor (public access corridor) between the North Levee and the River's Edge Levee (approximate Station 108+00 to 141+75) during non-working hours. The Contractor shall immediately construct a temporary public pedestrian access corridor on the riverward 6 feet (minimum) of the levee crest from approximate Station 108+00 to 141+75, as shown in the Plans. During construction of the temporary public pedestrian access corridor, the Contractor shall smoothly transition between the proposed grade and existing grade at a maximum of 8 percent slope until completion of the temporary public pedestrian access corridor. The minimum 6 foot width shall be maintained and demarcated with High Visibility Fencing for the duration of the project during non-work periods. The Contractor is permitted to close the temporary public pedestrian access corridor to the public while working. The temporary public pedestrian access corridor shall be accessible to the public during non-working times. The contractor may propose an alternative public access approach for approval by the Engineer. Sequencing and details of the temporary public pedestrian access corridor shall be included in the Contractor's Traffic Control Plan. All costs associated with the construction and maintenance of the temporary public pedestrian access corridor is incidental to Project Temporary Traffic Control, and no additional payment will be provided.

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference

(October 10, 2008 APWA GSP)

Prior to the Contractor beginning the work, a preconstruction conference will be held between the Contractor, the Engineer and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;

2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

Add the following new section:

1-08.0(2) Hours of Work

(******)

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 10-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 10 business days prior to the day(s) the Contractor is requesting to change the hours.

If the Contracting Agency approves such a deviation, such approval may be subject to certain other conditions, which will be detailed in writing. For example:

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll.

1-08.1 Subcontracting

1-08.1(9) Required Subcontract Clauses

1-08.1(9) B Clauses Required in Subcontracts of All Tiers

The second paragraph of Section 1-08.1(9)B is supplemented with the following:

(January 24, 2024 WSDOT GSP)

16. 1-07.11 Requirements for Nondiscrimination – Item 11 from Section 1-07.11(2).

1-08.3 Progress Schedule

1-08.3(2) General Requirements

1-08.3(2)A Type A Progress Schedule

(December 30, 2022 APWA GSP)

Revise this section to read:

The Contractor shall submit 1 electronic copy and 1 paper copy of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path.

The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

1-08.4 Prosecution of Work

Delete this section and replace it with the following:

(*****)

1-08.4 Notice to Proceed and Prosecution of Work

Notice to Proceed will be given after the contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the Notice to Proceed has been given by the Contracting Agency. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the contract.

The first order of work shall be:

1. The placement of all necessary signs and traffic control devices in accordance with Section 1-10.1(2).
2. The installation of temporary erosion and sediment control (TESC), as described in the Contract. Upon construction of the TESC, the Contractor shall request the Engineer to inspect the TESC. No other work shall be performed on the site until the Contracting Agency has accepted the installation of the TESC and high visibility fencing.
3. The installation of High Visibility Fence along the public pedestrian access corridor as described in Section 1-07.23(4).

1-08.5 Time for Completion

(March 13, 1995 WSDOT GSP)

Section 1-08.5 is supplemented with the following:

This project shall be physically completed within 40 working days.

(*****)

Revise the third and fourth paragraphs to read:

Contract time shall begin on the first working day following the Notice to Proceed Date.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days:

(1) charged to the contract the week before;
(2) specified for the physical completion of the contract; and
(3) remaining for the physical completion of the contract.

The statement will also show the nonworking days and all partial or whole days the Engineer declares as unworkable. The statement will be identified as a Written Determination by the Engineer. If the Contractor does not agree with the Written Determination of working days, the Contractor shall pursue the protest procedures in accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
    a. Certified Payrolls (per Section 1-07.9(5)).
    b. Material Acceptance Certification Documents
    c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract Provisions.
    d. Final Contract Voucher Certification
    e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
    f. Property owner releases per Section 1-07.24

1-08.9 Liquidated Damages

(September 8, 2020 WSDOT GSP)

Section 1-08.9 is supplemented with the following:

Liquidated damages in the amount of $2,000 per working day will be assessed for failure to physically complete the Contract within the physical completion time specified.

1-09 MEASUREMENT AND PAYMENT

1-09.2 Weighing Equipment

1-09.2(5) Measurement

(December 30, 2022 APWA GSP)

Revise the first paragraph to read:

Scale Verification Checks – At the Engineer's discretion, the Engineer may perform verification checks on the accuracy of each batch, hopper, or platform scale used in weighing contract items of Work.

1-09.6 Force Account

(December 30, 2022 APWA GSP)

Supplement this section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication, that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

1-09.7 Mobilization

(******)

Section 1-09.8 is supplemented with the following:

Mobilization also includes the costs incurred during demobilization.

1-09.8 Payments for Material On Hand

(August 3, 2009 WSDOT GSP)

The last paragraph of Section 1-09.8 is revised to read:

The Contracting Agency will not pay for material on hand when the invoice cost is less than $2,000. As materials are used in the work, credits equaling the partial payments for them will be taken on future estimates. Each month, no later than the estimate due date, the Contractor shall submit a letter to the Engineer that clearly states: 1) the amount originally paid on the invoice (or other record of production cost) for the items on hand, 2) the dollar amount of the material incorporated into each of the various work items for the month, and 3) the amount that should be

retained in material on hand items. If work is performed on the items and the Contractor does not submit a letter, all of the previous material on hand payment will be deducted on the estimate. Partial payment for materials on hand shall not constitute acceptance. Any material will be rejected if found to be faulty even if partial payment for it has been made.

1-09.9 Payments

(March 13, 2012 APWA GSP)

Supplement this section with the following:

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than $20,000.

1-09.11 Disputes and Claims

1-09.11(3) Time Limitation and Jurisdiction

(December 30, 2022 APWA GSP)

Revise this section to read:

For the convenience of the parties to the Contract it is mutually agreed by the parties that all claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that all such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to all such claims or causes of action. It is further mutually agreed by the parties that when claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-09.13 Claims Resolution

1-09.13(3) Arbitration

1-09.13(3)A Arbitration General

(January 19, 2022 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

1-10 TEMPORARY TRAFFIC CONTROL

1-10.2 Traffic Control Management

1-10.2(1) General

Section 1-10.2(1) is supplemented with the following:

(October 3, 2022 WSDOT GSP)

The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust
27055 Ohio Ave.
Kingston, WA 98346
(360) 297-3035
https://www.nwlett.edu

Evergreen Safety Council

12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778
https://www.esc.org

The American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, Virginia 22406-1022
Training Dept. Toll Free (877) 642-4637
Phone: (540) 368-1701
https://atssa.com/training

Integrity Safety
13912 NE 20th Ave.
Vancouver, WA 98686
(360) 574-6071
https://www.integritysafety.com

US Safety Alliance
(904) 705-5660
https://www.ussafetyalliance.com

K&D Services Inc.
2719 Rockefeller Ave.
Everett, WA 98201
(800) 343-4049
https://www.kndservices.net

1-10.2(2) Traffic Control Plans

(******)

The first sentence in the first paragraph in Section 1-10.2(2) is replaced with the following:

The Contractor is responsible for development and implementation of all Traffic Control Plans and submitting these to the Contracting Agency, at the Preconstruction Conference, for review and approval prior initiation of any traffic control work.

1-10.4 Measurement

1-10.4(1) Lump Sum Bid for Project (No Unit Items)

(******)

Section 1-10.4(1) is supplemented with the following:

The proposal contains the item "Project Temporary Traffic Control", lump sum.

The provisions of Section 1-10.4(1) shall apply.

1-10.5 Payment

1-10.5(1) Lump Sum Bid for Project (No Unit Items)

(******)

The second paragraph in Section 1-10.5(1) is replaced with the following:

The lump sum Contract payment shall be full compensation for all costs incurred by the Contractor in performing the Contract Work defined in Section 1-10 and Section 1-07.23(4).

Section 1-10.5(1) is supplemented with the following:

The lump sum cost for "Project Temporary Traffic Control" shall also include the preparation of traffic control plans showing sequencing of work to be provided to the Contracting Agency for review and approval.

2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

2-01.1 Description

Section 2-01.1 first paragraph is replaced with the following:

(******)

The Contractor shall clear and grub those areas staked, flagged, shown on the Plans, or described in these Special Provisions. This Work includes protecting from harm all trees, bushes, shrubs, or other objects selected to remain. This Work includes felling, salvaging, hauling and stockpiling trees for reuse in later project phases.

The second paragraph of Section 2-01.1 is revised to read:

(******)

"Clearing" means cutting, removing, disposing, and preparing for reuse of all unwanted material from the surface, such as trees, brush, shrubs, downed timber, or other natural material.

The third paragraph of Section 2-01.1 is revised to read:

(******)

"Grubbing" means removing, stripping, and storing or disposing of topsoil and organic material, with preparation of subgrade for embankment construction, including removal and separation of unwanted vegetative matter from underground, such as sod, stumps, roots, buried logs, or other debris. Stumps, rootballs and buried logs greater than 12 inches DBH are considered reusable may be stockpiled as Salvage Trees. Other small debris and unsuitable organic materials are considered debris.

Section 2-01.1 is supplemented with the following:

Invasive plant material, as identified in the Clallam County Road Department Integrated Weed Management Plan for Restoration Projects (2024), shall be considered unusable debris. All invasive plant material shall be disposed of by hauling it to the Clallam County owned McInness Pit (Across from 152 Vistas Drive, Sequim, WA 98382).

Brush may be chipped and incorporated into Topsoil Type B (if utilized on the project) or hauled off site by the Contractor.

2-01.3 Construction Requirements

2-01.3(1) Clearing

Section 2-01.3(1) is replaced with the following:

(******)

The Contractor shall:

1. Fell trees only located within the Construction Limits, or as directed by the Engineer.
2. Leave standing any trees or native growth indicated by the Engineer, flagging, staking or plans.
3. Trim all trees to be left standing, located within the construction line limits, to the height specified by the Engineer, neatly cutting all limbs close to the tree trunk.
4. Protect, by fencing if necessary, all trees or native growth from any damage caused by construction operations.
5. All trees within construction and clearing limits that underly a levee or road embankment, shall be felled, with stumps ground as described in Section 2-01.3(2) Grubbing. Trees lying inside the levee/road embankment shall be felled and stumps removed. Stumps will not be allowed to remain inside the embankment.
6. Trees lying outside the woody vegetation free zone of the levee/road embankment shall not be cut or felled and shall be protected from damage.
7. For any tree removal directed by the Engineer that allows cutting and stumps,
    a. Close-cut stumps under 18 inches in diameter.
    b. Trim stumps that exceed 18 inches in diameter to no more than 12 inches above

original ground level.

8. Thin clumps of native growth within the construction line limits, as directed by the Engineer.

2-01.3(2) Grubbing

(******)

Section 2-01.3(2) is supplemented with the following:

1. Grub all areas shown in the plans, including but not limited to:
    a. Embankments and adjacent areas
    b. Embankment side slope as shown on the Plans
    c. Compost Amended Vegetated Filter Strips (CAVFS)
    d. Basic Filter Strips
    e. Drain tile
    f. Wet Biofiltration Swale
    g. All other areas where embankments or structures will be constructed.
2. Grub a minimum of 12 inches deep beneath the embankment and ditch prisms and a minimum of 6 inches deep beneath the CAVFS and basic filter strips, enough to remove all topsoil, sod, shrubs, stumps, roots greater than 1½ inch diameter, buried logs, and other vegetative material. Grub areas adjacent to and underneath the road/levee prism deep enough to removal all shrubs, stumps, roots greater than 1½ inch diameter, and buried logs.
3. Stumps, roots greater than 1½ inch diameter, buried logs and other woody debris should be grubbed a minimum of three feet below the new embankments, ditch subsurface, and all other areas where embankments or structures will be constructed.
4. Stockpile drain tile grub materials that are free of invasive species as identified in Clallam County Integrated Weed Management Plan for Restoration Projects (2024) for reuse in the drain tile. Stockpile CAVFS grub materials that are free of invasive species as identified in Clallam County Integrated Weed Management Plan for Restoration Projects (2024) for reuse in the CAVFS. Stockpile roadway embankment side slope grub materials that are free of invasive species as identified in Clallam County Integrated Weed Management Plan for Restoration Projects (2024) for reuse on the new embankment side slope on the west side of Towne Road. Stockpiling is allowed in the cleared areas and construction limits along the margins of the road and levee embankments.
5. Backfill all depressions resulting from grubbing operations using material and compaction meeting the requirements of Special Provision Section 2-03.1 – Roadway Excavation Incl. Haul and Special Provision Section 2-03.3(14)C – Compacting Earth Embankments.

Any and all dewatering for clearing and grubbing excavations is incidental to the Grubbing bid item and separate measurement and payment for dewatering is not provided.

2-01.3(3) Vacant

The title of Section 2-01.3(3) is deleted and replaced with the following:

(******)

2-01.3(3) Fence Relocation

Section 2-01.3(3) is supplemented with the following:

(******)

This Work consists of relocating fences as identified in the Plans and staked by the Owner. The Contractor shall salvage existing fences and relocate them to the staked position as identified in the Plans. The Contractor shall furnish and install all necessary materials and equipment to construct relocated fences to match existing, including replacement of unsalvageable material.

2-01.3(4) Roadside Cleanup

(******)

The second paragraph of Section 2-01.3(4) is replaced with the following:

Where equipment and operator are necessary to perform the work, the Contractor shall furnish them. The primary equipment anticipated to accomplish roadside cleanup is a standard rubber tired

backhoe/loader with approximately 50 net horsepower and of modern construction. Equipment shall include all necessary accessories and manpower. The backhoe/loader shall be operated by a competent, well experienced operator. The Contractor may substitute other equipment fit for the job at hand provided prior approval is obtained from the Engineer. The Contractor is solely responsible for all safety precautions necessary for proper work performance.

Where labor and gear but no machinery is required the Contractor shall provide an adequately trained and capable worker(s) to do the work. The worker(s) shall be furnished with suitable hand tools to do the work.

2-01.4 Measurement

(******)

Section 2-01.4 is supplemented with the following:

Measurement for "Machinery for Roadside Cleanup" will be rounded to quarter (1/4) hour increments for actual operation required by the Engineer. Measurement will not include standby time, transport time, fueling time, service time, repair time or any other time that is not spent specifically performing work specified.

Measurement for "Labor for Roadside Cleanup" will be rounded to quarter (1/4) hour increments for actual on-site work.

Measurement for “Fence Relocation” shall be measured by the linear foot of completed fence.

2-01.5 Payment

(******)

Section 2-01.5 is replaced with the following:

Payment will be made in accordance with Section 1-09, for the following Bid items when they are included in the Proposal:

“Fence Relocation”, per linear foot.

The unit Contract price per linear foot for “Fence Relocation” shall be full payment for all costs for the specified Work.

“Clearing and Grubbing”, per acre.

Grubbing for drain tile, wet biofiltration swale, CAVFS, and basic filter strips shall be paid under their respective bid items in Section 7-04.

"Roadside Cleanup", per force account.

To provide a common Proposal for all Bidders, the Contracting Agency has entered an amount for “Roadside Cleanup” in the Proposal to become a part of the Contractor’s total bid.

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

2-02.3 Construction Requirements

Section 2-02.3 is supplemented with the following:

(September 7, 2021 WSDOT GSP)

Removal of Obstructions

The following miscellaneous Obstructions shall be removed and disposed of:

1. Remove and salvage temporary access gates where required by the Plans or as directed by the Engineer. There are an estimated 2 temporary access gates to be salvaged.
2. Remove silt fence where required by the plans or as directed by the Engineer. Prior to removal of any silt fence the Contractor shall verify with the Engineer, at the site, on a case-by-case basis, which fences are to be removed. There are an estimated 1,990 linear feet of silt fencing

to be removed.

3. Remove ecology blocks where required by the Plans or as directed by the Engineer. There are an estimated 54 ecology blocks to be removed.
4. Remove wood rail fall protection where required by the Plans or as directed by the Engineer. There are an estimated 510 linear feet to be removed.
5. Prior to placing Towne Road Crushed Surfacing Top Course, the Contractor shall survey the settlement plate elevations within the Towne Road road/levee embankment as described in Section 1-05.4. Following survey, the Contractor shall expose all existing settlement pipes within the Towne Road road/levee embankment to 6 inches below the top of embankment, cut off the pipes, and backfill with Crushed Surfacing Top Course to adjacent grade. There are 4 settlement plate pipes along Towne Road levee.
6. Remove separation fabric beneath the existing Crushed Surfacing Base Course where required by the Plans or as directed by the Engineer. There are an estimated 10,200 square yards of separation fabric to be removed.
7. Remove MSE wall geosynthetic within the Towne Road MSE wall excavation volume where required by the Plans or as directed by the Engineer. The Contractor is likely to encounter multiple layers of MSE wall reinforcement at one foot vertical spacing at MSE wall location. There are an estimated 2,330 square yards of MSE wall geosynthetic to be removed.
8. Remove other minor obstructions which are encountered and not allowed to remain. Minor obstructions are defined, for purposes of this specification, as obstructions for which the removal and disposal costs do not exceed $1,000. For obstructions which a reasonable and prudent person would not anticipate, whose removal and disposal costs exceed $1,000, the Contracting Agency will process a change order or make other arrangements to remove the obstruction.

The above stated figures are only estimates and should not be treated or considered as the exact measurements or quantities. If the actual measurements or quantities differ, the obligations, responsibilities, and compliance set forth above do not change.

2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters

Section 2-02.3(3) Item 1 is deleted and replaced with the following:

(******)

1. Broken pieces of pavement, sidewalks, curbs, and gutters are not allowed in the road/levee or parking lot fill embankments. Haul broken-up pieces off-site for disposal.

Section 2-02.3(3) Item 2 is deleted.

(******)

2-02.4 Vacant

The title of Section 2-02.4 is deleted and replaced with the following:

(******)

2-02.4 Measurement

Section 2-02.4 is supplemented with the following:

(******)

Pavement removal, including curbs, gutters, and sidewalks will be measured by the square yard.

2-02.5 Payment

Section 2-02.5 is replaced with the following:

(******)

Payment shall be made for the following Bid item when it is included in the Proposal:

"Removal of Structures and Obstructions", lump sum.
Backfilling the void created by the removal process is incidental to the removal price.

"Removal of Pavement", per square yard.

Payment for pavement removal shall be inclusive of all asphalt, concrete, curbs, gutters, and sidewalk removed as part of the project. Payment per square yard shall be at the same price regardless of depth or material type.

2-03 ROADWAY EXCAVATION AND EMBANKMENT

2-03.1 Description

(******)

The first sentence of the first paragraph of Section 2-03.1 is revised to read as follows:

The Work described in this Section, regardless of the nature or type of the materials encountered, includes grading of the existing levee embankments, as directed by the Engineer, and other earthwork tasks necessary to complete the work.

Roadway Excavation Incl. Haul includes final grading along Towne Road levee and road embankment, as indicated on the Plans. This work includes scraping, hauling, stockpiling, disposal, and grading of the existing Towne Road levee and road embankment. Excavation of grass, topsoil, asphalt, construction geosynthetic for slope reinforcement, geotextile for permanent erosion control, and any other materials encountered is incidental to this work.

The Contractor shall pothole every 200 feet on center through the riverward levee crest following removal of crushed surfacing base course to expose geosynthetics and verify depth. During excavation the contractor shall carefully expose and cut construction geosynthetic for slope reinforcement and geotextile for permanent erosion control within excavation footprint to protect adjacent un-excavated areas. From approximate station TR 108+25 to 133+00 the Contractor may encounter the top layer of construction geosynthetic for slope reinforcement (Miragrid 2XT) approximately 1 foot below existing grade of the top of levee fill. From approximate station TR 133+00 to 142+00 the Contractor may encounter top layer of construction geosynthetic for slope reinforcement (Miragrid 2XT) around elevation 29 ft. The Contracting Agency does not guarantee the accuracy of these geosynthetic depths and elevations. The information is provided for the convenience to the Contractor.

Roadway Excavation Incl. Haul includes the excavation of existing levee embankment fill, and other materials encountered incidental to this work, from Towne Road levee below the existing Construction Geotextile for Separation. Levee fill borrow from the Rodway Excavation shall be salvaged and used for embankment construction on the west side of Towne Road between approximate stations 103+70 to 108+00, fill at Anderson Road intersection, CAVFS without Drainage Blanket, as shown on the Plans, and raising of existing levee as needed to meet Crushed Surfacing Top Course subgrade. The Contractor shall not include any other material encountered during Roadway Excavation in the placement of levee fill borrow. Roadway Excavation material from the temporary ramp removal shall be salvaged and placed on the levee riprap slopes. Roadway Excavation material not required for salvage uses shall be hauled to the Clallam County Kirner pit (Kerner Road, Sequim WA 98382) and stockpiled separate from other materials.

Crushed Surfacing Base Course (Salvage) Including Haul includes the existing levee embankment Crushed Surfacing Base Course removed from the embankment unless designated differently by the Engineer. Crushed Surfacing Base Course (Salvage) shall be stockpiled for use as shown in the Plans, including use as road shoulder improvement, gravel parking surfacing on the west side of Towne Road between approximate stations 100+00 and 103+60, as the level spreader along CAVFS, raising of existing levee as needed to meet Crushed Surfacing Top Course subgrade along the trail, and capping existing riprap. Excavated Crushed Surfacing Base Course (Salvage) not required for salvage uses shall be hauled to the Clallam County Kirner pit and stockpiled separate from other materials.

(******)

The first paragraph of Section 2-03.1 is supplemented with the following:

Any and all water management for excavations is incidental to the Roadway Excavation bid items

and separate measurement and payment for water management is not provided.

2-03.2 Vacant

The title of Section 2-03.2 is deleted and replaced with the following:

(******)

2-03.2 Submittals

Section 2-03.2 is replaced with the following:

(******)

The Contractor shall provide to the Engineer for review and approval, a Request for Approval of Material (RAM) for each of the borrow, import, and aggregate materials required on the plans and drawings meeting the specifications of this Section 2-03 and Sections 1-08.0(1), 9-03, 9-13 and 9-14.

2-03.2(1) Testing & Quality Control

Section 2-03.2(1) is added with the following:

(******)

Prior to importing soil and placing on-site soil, the Contractor shall submit to the Engineer a Request for Approval of Material (RAM). The RAM shall include the following information and demonstrate material compliance with Section 9-03.

1. Gradation tests for all soils based on AASHTO T11 and T27, Particle Size Analysis of Soils.

2. Moisture/Density tests for all soils that require compaction based on AASHTO T 99, Moisture-Density Relations of Soils Using a 5.5 lb (2.5 kg) Rammer and a 12 in (305 mm) Drop Checklist, or AASHTO T 180, Moisture-Density Relations of Soils Using a 10 lb (4.54 kg) Rammer and an 18 in (457 mm) Drop Checklist, based on Section 2-03.3(14)D.

Additional source material testing shall be performed in accordance with Section 1-06, Control of Material, the WSDOT Materials Manual (M 46-01.37), and the WSDOT Construction Manual (M 41-01.37). Contractor shall provide adequate time for test results to be received and verified as in compliance.

Acceptance of an aggregate is not to be construed as acceptance of all material from that supplier or source offsite, or that excavation or stockpile onsite. The right is reserved to reject materials from a supplier, source, excavation, and stockpile as determined by the Engineer. The Engineer reserves the right to reject individual units of aggregate at the source, at all transfer points, and at the construction site when such materials are determined to be unsuitable.

2-03.3 Construction Requirements

2-03.3(1) Widening of Cuts

Section 2-03.3(1) is deleted and replaced with the following:

(******)

The widening of cuts is not permitted unless designated by the Engineer.

2-03.3(2) Rock Cuts

Section 2-03.3(2) is deleted and replaced with the following:

(******)

Rock cuts are not included in this Contract.

2-03.3(3) Excavation Below Subgrade

The first two paragraphs of Section 2-03.3(3) are deleted and replaced with the following:

(******)

Rock Excavation – When the Contractor finds rock, cobbles, or boulders at the Subgrade elevation of the embankment or drainage ditch, it shall be excavated (as Roadway Excavation Incl. Haul Section 2-03.1) the full width of the embankment or drainage ditch to a depth below Subgrade as designated by the Engineer. Backfill of the excavation to Subgrade elevation shall be with salvaged Roadway Excavation material from the existing levee meeting the backfill and compaction requirements of Section 2-03.3(14)K and material requirements of Section 2-03.1.

The first sentence of the fifth paragraph of Section 2-03.3(3) is revised to read as follows:
(******)

Compaction – If the density of the natural earth under any area of the new embankment or drainage ditch is less than that required in Section 2-03.3(14)C, Method C, the Engineer may order the Contractor to perform any or all of the following:

2-03.3(5) Slope Treatment

The first paragraph of Section 2-03.3(5) is deleted and replaced with the following:
(******)

The tops of all cut slopes shall be rounded in accordance with the Standard Plans. Unless otherwise noted in the Plans, Class A slope treatment shall be utilized.

The fourth paragraph of Section 2-03.3(5) is revised to read as follows:
(******)

All Work required to complete slope treatment, including excavation, haul, and slope rounding, shall be included in the unit Bid price for excavation.

2-03.3(7) Disposal of Surplus Material

Section 2-03.3(7) is revised to read as follows:
(******)

The Contractor shall make arrangements, at the Contractor's expense, for disposal of excess waste materials and shall protect the Contracting Agency from all damages that may arise from the waste disposal operations.

2-03.3(7)A General

Section 2-03.3(7)A is deleted and replaced with the following:
(******)

The Contractor shall haul all excavated materials, unless otherwise directed by the Engineer. If the excavation yields more material than needed, the Contractor shall dispose of the excess materials at an Engineer approved Contractor Provided Disposal Site per Section 2-03.3(7)C. The Engineer may direct the Contractor to stockpile the material in the staging area for future use. Roadway excavation materials may be mixed with Topsoil Type B if directed by the Engineer.

2-03.3(9) Roadway Ditches

The first sentence of Section 2-03.3(9) is revised to read as follows:
(******)

At each transition from cut to fill, the Contractor shall divert any ditch away from the embankment in natural ground.

Section 2-03.3(9) is supplemented with the following:
(******)

The ditch slope shall be defined as the slope lying between the bottom of the roadside ditch and the top outside edge (shoulder) of the gravel base. The ditch inslopes shall be compacted to 95% of the maximum density as determined by the tests described in Section 2-03.3(14)D, as modified in these Special Provisions. The Engineer expects the finished inslope to be true to line and grade and to have a smooth surface, free of humps and/or depressions. If the Contractor's compaction operations break down or otherwise damage the shoulder, ditch inslope, or ditch backslope he/she shall restore (reconstruct and recompact) the damaged area, to the required Specifications, at no

cost to the County.

There is no specific bid item for ditch slope compaction, therefore, all work necessary to complete the task shall be considered incidental to the project and all costs thereof shall be included in other applicable bid prices.

2-03.3(14) Embankment Construction

2-03.3(14)B Earth Embankment Construction

Section 2-03.3(14)B is supplemented with the following:

(******)

Embankment construction on the west side of Towne Road between approximate stations 103+70 to 108+00, fill at Anderson Road intersection, and raising of the existing levee as needed to meet Crushed Surfacing Top Course subgrade shall be constructed using levee fill borrow salvaged from Roadway Excavation. The Contractor shall not include any other material encountered during Roadway Excavation in the placement of levee fill borrow, including grass, topsoil, asphalt, geosynthetic, and any other materials encountered during Roadway Excavation.

Shoulder improvement, as shown on the Plans, shall be constructed using Crushed Surfacing Base Course (Salvage) Including Haul.

2-03.3(14)C Compacting Earth Embankments

The first paragraph of Section 2-03.3(14)C is supplemented with the following:

(******)

This section also applies to shoulder improvement and drainage material placement beneath CAVFS as shown on the Plans.

Horizontal Drainage Filter (Import) and Horizontal Drainage Blanket (Import) materials shall be placed in smooth, uniform lifts not exceeding 12 inches in thickness and compacted to a firm, unyielding surface. Each layer of these materials shall be compacted to 90% of the maximum density as determined by the compaction control tests described in Section 2-03.3(14)D. Field conditions will be observed and documented by the Engineer.

Crushed Surfacing Base Course (Salvage) placed for shoulder improvement shall be placed in smooth, uniform lifts not exceeding 6 inches in thickness and compacted to a firm, unyielding surface. Each layer of the shoulder improvement shall be compacted to 95% of the maximum density as determined by the compaction control tests described in Section 2-03.3(14)D. The Contractor shall not use a vibratory roller for compaction of shoulder improvement. Field conditions will be observed and documented by the Engineer. Contractor shall monitor the stability of the levee embankment, side slopes, and topsoil, and repair any damage that occurs at no expense to the Contracting Agency.

Salvaged levee fill placed for embankment construction shall be placed in smooth, uniform lifts not exceeding 12 inches in thickness and compacted to a firm, unyielding surface. Each layer of the embankment shall be compacted to 95% of the maximum density as determined by the compaction control tests described in Section 2-03.3(14)D. Field conditions will be observed and documented by the Engineer.

The fourth paragraph of Section 2-03.3(14)C is replaced with the following:

(******)

No layer shall exceed 8 inches in depth before compaction when using large compacting equipment. No layer shall exceed 4 inches in depth when using small mechanical or vibratory compactors.

The fifth paragraph of Section 2-03.3(14)C is revised to read:

(******)

The Contractor shall use compaction equipment approved by the Engineer. Compaction equipment and/or methods used should ensure that a low-strength or high-permeability interface is not created between two adjoining lifts of soil. Contractor shall scarify the surface of each compacted lift prior to placing soils for the next lift.

The seventh paragraph of Section 2-03.3(14)C is replaced with the following:

(******)

No layer shall exceed 8 inches in depth before compaction when using large compacting equipment. No layer shall exceed 4 inches in depth when using small mechanical or vibratory compactors.

The eighth paragraph of Section 2-03.3(14)C is revised to read:

(******)

The Contractor shall use compaction equipment approved by the Engineer. Compaction equipment and/or methods used should ensure that a low-strength or high-permeability interface is not created between two adjoining lifts of soil. Contractor shall scarify the surface of each compacted lift prior to placing soils for the next lift.

The eleventh paragraph of Section 2-03.3(14)C is revised to read as follows:

(******)

Moisture Content – Within the limits described below, the Contractor shall adjust moisture content during compaction to produce a firm, stable, unyielding embankment. The embankment shall be free from pumping and rutting due to excessive moisture and is the Contractor's responsibility to manage and adjust as necessary. The moisture content shall not vary more than 2 percent above or below optimum determined by the tests described in Section 2-03.3(14)D.

Section 2-03.3(14)C is supplemented with the following:

(******)

The Contractor shall monitor the stability of the embankment and repair at no expense to the Contracting Agency any or complete embankment that loses stability due to continued hauling across it. Evidence of lost stability shall include rutting and pumping as defined below.

The Contractor may use the subgrade areas and existing levee crest as a haul route or for other construction-related activities, meeting the subgrade and embankment pumping and rutting criteria discussed below. Use of these areas may cause the underlying soil to become unstable or unsuitable. The Contractor shall comply with the following pumping conformance specifications:

Minimal Soil Pumping – Minimal soil pumping is defined as spongy soil conditions whereby wheeled equipment and vehicles sink less than 3 inches deep. This will be an acceptable level of pumping and work activities may continue with close observation of soil conditions. Before additional fill is placed, the existing lift shall be bladed or scarified and recompacted, as required to meet specification compaction requirements.

Moderate Soil Pumping – Moderate soil pumping is defined as spongy soil conditions whereby wheeled equipment and vehicles sink between 3 to 6 inches deep. When this condition occurs, the Contractor shall stop work activities on pumping soils and allow time for soils to heal and pore pressures to dissipate. All transportation through these areas is prohibited. Disking, reconditioning, and recompaction of the soils in place, or removal and replacement of the embankment soils, will be performed as needed to repair damaged areas. Schedule impacts and the cost of embankment repair and replacement are borne by the Contractor.

Excessive Soil Pumping – Excessive soil pumping is defined as a deformation of soil whereby wheeled equipment and vehicles sink more than 6 inches deep. When this condition occurs, the Contractor shall stop work activities on pumping soils. All

transportation through this area is prohibited. The Contractor shall repair damage soils by removing damaged soils, and replacing and compacting with properly conditioned soils. Schedule impacts and the cost of embankment repair and replacement are borne by the Contractor.

2-03.3(14)E Unsuitable Foundation Excavation

The last sentence of Section 2-03.3(14)E is replaced with the following:

(******)

Unsuitable Foundation Excavation will be paid as "Roadway Excavation Incl. Haul".

2-03.3(14)F Vacant

The title of Section 2-03.2 is deleted and replaced with the following:

(******)

2-03.3(14)F Displacement of Unsuitable Foundation Materials

Section 2-03.3(14)F is revised to read:

(******)

If the Contract or Engineer requires it, the Contractor shall per the direction of the Engineer:

Replace: Displace or remove any overburden of peat, muck, or other unsuitable material, as Roadway Excavation Incl. Haul, to permit placing the embankment on underlying firm ground using Common Borrow, or

Bridge with Geosynthetic: Bridge the unsuitable foundation materials using construction geosynthetic for soil stabilization meeting the requirements of Section 9-33.2(1) Table 3.

2-03.3(14)G Backfilling

The first paragraph of Section 2-03.3(14)G is deleted and replaced with the following:

(******)

When water fills an area after the removal of soft or unsuitable materials, the Contractor shall dewater the area so that any backfill may be compacted.

2-03.3(14)N Quality Control

Section 2-03.3(14)N is added as follows:

(******)

The Contractor shall provide quality control testing per the specifications below. The Contractor shall not cover any fill soils until the soil has been tested and the results accepted by the Engineer.

Field Quality Control - In place density and moisture testing of all soils compacted will be performed by the Contractor and submitted to the Engineer on a weekly basis for various locations and depths throughout the site in accordance with AASHTO T 310, In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth), and as modified in the WSDOT Construction Manual (M 41-01.37). Field testing shall occur at a minimum for the following locations and quantities:

Embankment: At a minimum, one test shall be performed every 1,000 square yards per lift per day, or at a change in material.

Levee Crest Surfacing: At a minimum, one field probe or proof roll test shall be performed every 100 lineal feet per lift per day, or at a change in material.

If test results indicate in placed fill does not meet moisture and/or compaction requirements, the Contractor shall excavate, replace, and/or re-compact all areas not meeting specifications at no additional cost to the Contracting Agency and at no schedule impact to the Project.

The Contractor shall quality control field test sampling of each material type for every 5,000 cubic yards of each material type placed. The Contractor shall allow the placed soils to be sampled and tested for conformance with the specifications in accordance with the following standards and frequencies:

1. Gradation tests based on AASHTO T11 and T27, Particle Size Analysis of Soils: One per 5,000 cubic yards.

2. Moisture/Density tests for all soils that require compaction based on AASHTO T 99, Moisture-Density Relations of Soils Using a 5.5 lb (2.5 kg) Rammer and a 12 in (305 mm) Drop Checklist, or AASHTO T 180, Moisture-Density Relations of Soils Using a 10 lb (4.54 kg) Rammer and an 18 in (457 mm) Drop Checklist, based on Section 2-03.3(14)D: One per 5,000 cubic yards.

3. Moisture Content based on AASHTO T 265, Laboratory Determination of Moisture Content of Soils, with modifications as written in the WSDOT Materials Manual: One per 5,000 cubic yards.

The Contractor shall not cover any fill soils until the soil has been tested and the results accepted by the Engineer. If filling takes place without the required testing, the Engineer may order a halt to filling operations until such testing is completed and accepted. If untested fill is covered up, the Engineer may order a halt to filling operations and the covered area be excavated and the testing conducted. All costs associated with the halting of operations to complete the required tests will be borne solely by the Contractor and will not affect the project schedule or cost.

Additional testing may be required if a new source is used or if the soil appears visibly different from the soils tested.

2-03.3(14)O Quality Assurance

Section 2-03.3(14)O is added as follows:

(******)

In place density and moisture testing of all soils compacted will be performed by the Engineer for quality assurance at various locations and depths throughout the site.

Contractor shall cooperate fully and provide assistance as necessary to complete the tests. The Contractor shall not cover any fill soils until the soil has been tested and the results accepted by the Engineer.

If test results indicate in place fill does not meet moisture and/or compaction requirements, the Contractor shall excavate, replace, and/or re-compact all areas not meeting specifications at no additional cost to the Contracting Agency and at no schedule impact to the Project.

2-03.3(14)P Surface Water Management

Section 2-03.3(14)P is added as follows:

(******)

To minimize potential for infiltration and saturation of the soils in the event of rain or similar causes, all area within the right of way which is disturbed by the Contractor's operations shall be shaped, sloped, and compacted so as to shed water. Ruts and depressions shall be removed, berms which might retain water shall be eliminated, the ground shall be sealed with a compactor or other device, grading shall be performed to positively drain water away from susceptible soils, and other measures shall be taken as necessary. If in the opinion of the Engineer, lack of preventive measures have caused saturation of soils, those soils shall be removed by the Contractor and replaced with suitable materials acceptable to and at no cost to the County.

2-03.4 Measurement

Section 2-03.4 is supplemented with the following:

(******)

"Roadway Excavation Including Haul" will be measured per cubic yard excavated, from the removed Crushed Surfacing Base Course to subgrade neat lines shown in the Plans.

(******)

"Crushed Surfacing Base Course (Salvage) Including Haul" will be measured per cubic yard excavated, from the County-surveyed pre-construction surface to neat lines shown in the Plans.

2-03.5 Payment

Section 2-03.5 is supplemented with the following:

(******)

"Roadway Excavation Including Haul" payment will be made per the unit Contract price per cubic yard and shall be full compensation for all costs incurred for excavating, loading, stockpiling, sorting, testing, handling, removing and disposing of deleterious material, dewatering of excavations, water management, processing, and hauling. Payment shall be full compensation for all costs incurred for placing and compacting, watering and moisture conditioning, and quality control testing for placement of material, and hauling excess material to the Clallam County Kirner pit.

Removal of pavement shall be paid under Section 2-02.5.

(******)

"Crushed Surfacing Base Course (Salvage) Including Haul" payment will be made per the unit Contract price per cubic yard and shall be full compensation for all costs incurred for excavating, loading, stockpiling, sorting, testing, handling, removing and disposing of deleterious material, processing, and hauling. Payment shall be full compensation for all costs incurred for placing and compacting, watering and moisture conditioning, and quality control testing for placement of material, and hauling excess material to the Clallam County Kirner pit.

2-04 HAUL

2-04.1 Description

Section 2-04.1 is supplemented with the following:

(******)

Transporting excavated material from its original site to its final place shall comply with the requirements of Sections 2-03.3(7) and 2-09.3(1)D.

2-04.2 Vacant

The title of Section 2-04.2 is deleted and replaced with the following:

(******)

2-04.2 Haul Routes

Section 2-04.2 is revised to read as follows:

(******)

Designated haul routes must fall within the clearing limits as shown in the plans. Haul routes along the edges and on top of the road/levee embankment are allowed and subject to Section 2-03.3(14)C. Temporary haul construction materials such as geosynthetics, aggregate and rock, will be required to be removed, and are incidental to roadway excavation.

2-09 STRUCTURE EXCAVATION

2-09.1 Description

Section 2-09.1 is supplemented with the following:

(******)

This work shall include all excavation consisting of excavating and disposing of all materials to make way for traffic barriers with moment slabs as shown in the Plans.

2-09.3 Construction Requirements

2-09.3(2) Classification of Structure Excavation

Section 2-09.3(2) is supplemented with the following:

(******)

Excavation for traffic barrier with moment slabs shall be Structure Excavation, Class A.

2-09.5 Payment

Section 2-09.5 is supplemented with the following:

(******)

Unless noted otherwise, "Structure Excavation Class A", per cubic yard, for traffic barrier and moment slabs will be incidental with the adjacent structure cost.

2-11 TRIMMING AND CLEANUP

2-11.3 Construction Requirements

Section 2-11.3 is supplemented with the following:

(******)

The area within the right of way and easements which lies within 20 feet from the edge of the finished road shoulder shall be free of obstacles which would hinder mowing of the area. All rocks, roots, stumps, and similar obstacles which protrude from the inslope, backslope or cutbank by more than 2 inches either shall be removed and the resultant voids filled with soil or shall be trimmed so as not to protrude by more than 2 inches. Beyond 20 feet from the shoulder edge the protrusions shall not exceed 6 inches. These requirements are considered incidental to the construction of the project.

2-12 CONSTRUCTION GEOSYNTHETIC

2-12.2 Materials

2-12.2(1) Submittals

Section 2-12.2(1) is added as follows:

(******)

The Contractor shall provide to the Engineer for review and approval, a Request for Approval of Material (RAM) for each of the construction geosynthetics required on the plans and drawings meeting the specifications of this Section 2-12 and Section 9-33, as required in Section 1-06.1.

2-12.3 Construction Requirements

The fourth sentence of the first paragraph of Section 2-12.3 is revised to read as follows:

(******)

The geosynthetic shall be laid smooth without wrinkles, folds, creases, and, where lain underwater, without trapped air bubbles.

The third paragraph of Section 2-12.3 is supplemented with the following:

(******)

Damaged geosynthetic panels that are to be placed within the MSE walls shall be replaced with new undamaged geosynthetic panels for the full length and width of the panel.

Section 2-12.3 is supplemented with the following:

(******)

Cut the geosynthetics using an approved cutter, per the manufacturer recommendations, only. Take care to protect other in place geosynthetic materials when cutting.

Notify the Engineer's representative at least 2 business days in advance of placing the geosynthetic so that the Engineer's representative may review the placement area. Visual review of the geosynthetic shall be performed by the Engineer's representative once the geosynthetic has been

placed and prior to the placement of any overlying materials.

3-01 PRODUCTION FROM QUARRY AND PIT SITES

3-01.1 Description

Section 3-01.1 is revised to read as follows:

(******)

This Work shall consist of manufacturing and producing crushed and screened aggregates including pit run aggregates of the kind, quality, and grading specified for use in the construction of concrete, hot mix asphalt, crushed surfacing, maintenance rock, ballast, gravel base, gravel backfill, gravel borrow, horizontal drainage filter, horizontal drainage blanket, and bituminous surface treatments of all descriptions.

The requirements specified shall apply whether the source is ledge rock, talus, gravel, sand, or any combination thereof.

3-01.2 Material Sources, General Requirements

3-01.2(1) Approval of Source

Section 3-01.2(1) is supplemented with the following:

(******)

All import materials to the site shall meet project specific weed and invasive plant species exclusion standards as identified in Clallam County Road Department Integrated Weed Management Plan for Restoration Projects (2024). Prior to importing materials to the site, each material source must be approved in accordance with "weed-free" certification per the Clallam County Noxious Weed Control Board. The Contractor shall coordinate with the Clallam Noxious Weed Control Board (web_weed@co.clallam.wa.us) or 360-417-2442. Contractor may request a current listing of certified material sources from the Clallam Noxious Weed Control Board for use in bidding and project planning. If the Contractor proposes to use a material source that is not currently certified for use in an environmental or restoration project, the Contractor shall contact the Clallam Noxious Weed Control Board to arrange source inspection and reporting, and shall assume weed mitigation and re-inspection will be required prior to certification being granted. Contractor shall assume a minimum of one month between initial inspection and "weed-free" certification issuance.

4-04 BALLAST AND CRUSHED SURFACING

4-04.2 Materials

Section 4-04.2 is supplemented with the following:

(******)

Recycled hot mix asphalt, recycled glass, and recycled steel furnace slag may not be used as backfill.

5-04 HOT MIX ASPHALT

(January 31, 2023 APWA GSP)

Delete Section 5-04, Hot Mix Asphalt, and replace it with the following:

5-04.1 Description

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement (RAP)	9-03.8(3)B, 9-03.21
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B, 9-03.21
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of HMA. The RAP may be from pavements removed under the Contract, if any, or pavement material from an existing stockpile.

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP.

If the Contractor wishes to utilize High RAP/Any RAS, the design must be listed on the WSDOT Qualified Products List (QPL).

The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder from different sources is not permitted.

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

Production of aggregates shall comply with the requirements of Section 3-01.
Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.

5-04.2(1) How to Get an HMA Mix Design on the QPL

If the Contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

5-04.2(1)A Vacant

5-04.2(2) Mix Design - Obtaining Project Approval

No paving shall begin prior to the approval of the mix design by the Engineer.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the Contract documents.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

Nonstatistical Mix Design. Fifteen days prior to the first day of paving the Contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for ***$$1$$*** million equivalent single axle loads (ESALs).
- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

Commercial Evaluation Mix Design. Approval of a mix design for "Commercial Evaluation" will be based on a review of the Contractor's submittal of WSDOT Form 350-042 (for commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting

Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of ESALs appropriate for the required use.

5-04.2(2)B Using Warm Mix Asphalt Processes

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

Minimum Surface Temperature for Paving

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F

5-04.3(2) Paving Under Traffic

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed, and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements, except the cost of temporary pavement markings, shall be included in the unit Contract prices for the various Bid items involved in the Contract.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

Plants used for the preparation of HMA shall conform to the following requirements:

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.

2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.

3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).

5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:

    a. A mechanical sampling device attached to the HMA plant.

    b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of canvas or other suitable material of sufficient size to protect the mixture from adverse weather. Whenever the weather conditions during the work shift include, or are forecast to include precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect the HMA.

The Contractor shall provide an environmentally benign means to prevent the HMA mixture from adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the

characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

5-04.3(3)C Pavers

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.

The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

5-04.3(3)D Material Transfer Device or Material Transfer Vehicle

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, unless otherwise required by the Contract.

Where an MTD/V is required by the Contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.

2. Shall not be connected to the hauling vehicle or paver.

3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.

2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

5-04.3(4) Preparation of Existing Paved Surfaces

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be

placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

5-04.3(4)A Crack Sealing

When the Proposal includes a pay item for crack sealing, seal cracks in accordance with Section 5-03.

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

The Contractor shall excavate pavement repair areas and shall backfill these with HMA in accordance with the details shown in the Plans and as marked in the field. The Contractor shall conduct the excavation operations in a manner that will protect the pavement that is to remain. Pavement not designated to be removed that is damaged as a result of the Contractor's operations shall be repaired by the Contractor to the satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall excavate only within one lane at a time unless approved otherwise by the Engineer. The Contractor shall not excavate more area than can be completely finished during the same shift, unless approved by the Engineer.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.

5-04.3(5) Producing/Stockpiling Aggregates and RAP

Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

5-04.3(5)A Vacant

5-04.3(6) Mixing

After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping additives have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials is ensured.

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

5-04.3(7) Spreading and Finishing

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1” 0.35 feet
HMA Class ¾” and HMA Class ½”
wearing course 0.30 feet
other courses 0.35 feet
HMA Class ⅜” 0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA

For HMA accepted by nonstatistical evaluation, the aggregate properties of sand equivalent, uncompacted void content, and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

5-04.3(9) HMA Mixture Acceptance

Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in accordance with this section.

HMA Tolerances and Adjustments

1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

   For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

   For Aggregates in the mixture:

   a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", ¾", ½", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/-6%	+/- 8%
No. 8 Sieve	+/- 6%	+/-8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

   b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.

2. Job Mix Formula Adjustments – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the

development of a new mix design if the adjustment exceeds the amounts listed below.

a. **Aggregates** –2 percent for the aggregate passing the 1½″, 1″, ¾″, ½″, ⅜″, and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent.

5-04.3(9)A Vacant

5-04.3(9)B Vacant

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation

HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.

5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 800 tons, whichever is less except that the final sublot will be a minimum of 400 tons and may be increased to 1200 tons.

All of the test results obtained from the acceptance samples from a given lot shall be evaluated collectively. If the Contractor requests a change to the JMF that is approved, the material produced after the change will be evaluated on the basis of the new JMF for the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

Sampling and testing for evaluation shall be performed on the frequency of one sample per sublot.

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are less than 400 tons is at the discretion of the Engineer.

For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

- If the test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.

- If test results are found not to be within specification requirements, additional testing of the remaining samples to determine a CPF shall be performed.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing

Testing of HMA for compliance of V_a will at the option of the Contracting Agency. If tested, compliance of V_a will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors

For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will determine a CPF using the following price adjustment factors:

Table of Price Adjustment Factors	
Constituent	**Factor "f"**
All aggregate passing: 1½″, 1″, ¾″, ½″, ⅜″ and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids (Va) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

5-04.3(9)C5 Vacant

5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments

For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The total job mix compliance price adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests

The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, V_a. The results of the retest will be used for the acceptance of the HMA in place of the original sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the

Contract at the rate of $500 per sample.

5-04.3 (9)D Mixture Acceptance – Commercial Evaluation

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item “Roadway Core”, the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item “Roadway Core”, the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor’s request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other

than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

Test Results
For a sublot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the sublot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the sublot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the sublot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of $200 per core and the Contractor shall pay for the cost of the traffic control.

5-04.3(10)A HMA Compaction – General Compaction Requirements

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

5-04.3(10)B HMA Compaction - Cyclic Density

Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A $500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

5-04.3(10)D1 HMA Nonstatistical Compaction - Lots and Sublots

HMA compaction which is accepted by nonstatistical evaluation will be based on acceptance testing performed by the Contracting Agency dividing the project into compaction lots.

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 400 tons, whichever is less except that the final sublot will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of 5 tests per sublot per WSDOT T 738.

The sublot locations within each density lot will be determined by the Engineer. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing

The location of the HMA compaction acceptance tests will be randomly selected by the Engineer from within each sublot, with one test per sublot.

5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments

For each compaction lot with one or two sublots, having all sublots attain a relative density that is 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price with no further evaluation. When a sublot does not attain a relative density that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For compaction below the required 92%, a Non-Conforming Compaction Factor (NCCF) will be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

5-04.3(11)B Rejection by Contractor

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

5-04.3(11)C Rejection Without Testing (Mixture or Compaction)

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

5-04.3(11)D Rejection - A Partial Sublot

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)E Rejection - An Entire Sublot

An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a minimum of two additional random samples from this sublot will be obtained. These additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)F Rejection - A Lot in Progress

The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

1. When the CPF of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PF for any constituent or the CPF of a lot in progress is less than 0.75.

5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)

An entire lot with a CPF of less than 0.75 will be rejected.

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly laid mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

5-04.3(12)A2 Longitudinal Joints

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than ½ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

5-04.3(12)B Bridge Paving Joint Seals

Bridge Paving Joint Seals shall be in accordance with Section 5-03.

5-04.3(13) Surface Smoothness

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than ⅛ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

1. Removal of material from high places by grinding with an approved grinding machine, or

2. Removal and replacement of the wearing course of HMA, or

3. By other method approved by the Engineer.

Correction of defects shall be carried out until there are no deviations anywhere greater than the allowable tolerances.

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

When utility appurtenances such as manhole covers and valve boxes are located in the traveled way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This requirement may be waived when requested by the Contractor, at the discretion of the Engineer or when the adjustment details provided in the project plan or specifications call for utility appurtenance adjustments after the completion of paving.

Utility appurtenance adjustment discussions will be included in the Pre-Paving and Pre-Planing

Briefing (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

5-04.3(14) Planing Bituminous Pavement

The planing plan must be approved by the Engineer and a pre-planing meeting must be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing submittals.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the surface to remove irregularities. The finished product must be a prepared surface acceptable for receiving an HMA overlay.

Use the cold milling method for planing unless otherwise specified in the Contract. Do not use the planer on the final wearing course of new HMA.

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other imperfections. The Contractor must repair any damage to the surface by the Contractor's planing equipment, using an Engineer approved method.

Repair or replace any metal castings and other surface improvements damaged by planing, as determined by the Engineer.

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of the wedge must be as shown on the Drawings or as specified by the Engineer.

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

After planing is complete, planed surfaces must be swept, cleaned, and if required by the Contract, patched and preleveled.

The Engineer may direct additional depth planing. Before performing this additional depth planing, the Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

5-04.3(14)A Pre-Planing Metal Detection Check

Before starting planing of pavements, and before any additional depth planing required by the Engineer, the Contractor must conduct a physical survey of existing pavement to be planed with equipment that can identify hidden metal objects.

Should such metal be identified, promptly notify the Engineer.

See Section 1-07.16(1) regarding the protection of survey monumentation that may be hidden in pavement.

The Contractor is solely responsible for any damage to equipment resulting from the Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's failure to notify the Engineer of any hidden metal that is detected.

5-04.3(14)B Paving and Planing Under Traffic

5-04.3(14)B1 General

In addition, the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:

    a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

    b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.

    c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.

    d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.

    e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.

3. Permanent pavement marking must comply with Section 8-22.

5-04.3(14)B2 Submittals - Planing Plan and HMA Paving Plan

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.

The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where police officers will be stationed when signalization is or may be,

countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.

2. A copy of each intersection's traffic control plan.

3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.

4. Names and locations of HMA supplier facilities to be used.

5. List of all equipment to be used for paving.

6. List of personnel and associated job classification assigned to each piece of paving equipment.

7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.

8. Names, job titles, and contact information for field, office, and plant supervisory personnel.

9. A copy of the approved Mix Designs.

10. Tonnage of HMA to be placed each day.

11. Approximate times and days for starting and ending daily operations.

5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:

    a. The actual times of starting and ending daily operations.

    b. In intersections, how to break up the intersection, and address traffic control and

signalization for that operation, including use of peace officers.

c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.

d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.

e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.

f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.

h. Description of how flaggers will be coordinated with the planing, paving, and related operations.

i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.

j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

a. When to start applying tack and coordinating with paving.

b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.

c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.

d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.

e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

5-04.3(16) HMA Road Approaches

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

Roadway cores will be measured per each for the number of cores taken.

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Planing bituminous pavement will be measured by the square yard.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.

"HMA for Approach Cl. ___ PG ___", per ton.

"HMA for Preleveling Cl. ___ PG ___", per ton.

"HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Commercial HMA", per ton.

The unit Contract price per ton for "HMA Cl. ___ PG ___", "HMA for Approach Cl. ___ PG ___", "HMA for Preleveling Cl. ___ PG ___", "HMA for Pavement Repair Cl. ___ PG ___", and "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

"Pavement Repair Excavation Incl. Haul", per square yard.

The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for "HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Asphalt for Prime Coat", per ton.

The unit Contract price per ton for "Asphalt for Prime Coat" shall be full payment for all costs incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).

"Prime Coat Agg.", per cubic yard, or per ton.

The unit Contract price per cubic yard or per ton for "Prime Coat Agg." shall be full pay for furnishing, loading, and hauling aggregate to the place of deposit and spreading the aggregate in the quantities required by the Engineer.

"Planing Bituminous Pavement", per square yard.

The unit Contract price per square yard for "Planing Bituminous Pavement" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

"Job Mix Compliance Price Adjustment", by calculation.

“Job Mix Compliance Price Adjustment” will be calculated and paid for as described in Section 5-04.3(9)C6.

“Compaction Price Adjustment”, by calculation.

“Compaction Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)D3.

“Roadway Core”, per each.

The Contractor’s costs for all Work associated with the coring (e.g., traffic control) shall be incidental and included in the unit Bid price per each.

“Cyclic Density Price Adjustment”, by calculation.

“Cyclic Density Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)B.

6-10 CONCRETE BARRIER

6-10.1 Description

Section 6-10.1 is supplemented with the following:

(******)

This section shall also consist of constructing Traffic barriers and moment slabs in accordance with the Plans, these Specifications, the Engineer, and in conformity with the lines and grades staked.

6-10.3 Construction Requirements

Section 6-10.3 is supplemented with the following:

(******)

Traffic barrier and moment slabs shall be constructed as cast-in-place concrete barrier in accordance with section 6-10.3(2) and cured in accordance with section 6-02.3(11)A and these specifications.

Moment slabs for traffic barriers may be cured using two coats of curing compound covered by white, reflective type sheeting or continuous wet curing. Continuous wet curing or curing compound method shall be for at least 10 days.

Concrete barriers and rail bases shall be wet cured for a period at least 10 days. Curing compound will not be permitted.

Traffic Barriers with Moment Slabs shall receive a fractured fin formliner finish to the outside face as shown in the plans. At each end of each traffic barrier shall transition to beam guard railing. Beam guardrail transition to traffic barrier shall be as shown on the plans.

6-10.4 Measurement

Section 6-10.4 is supplemented with the following:

(******)

Traffic Barriers with Moment Slabs will not be measured.

"Traffic Barrier with Moment Slab" contains the following approximate quantities of materials and work:

Item Description:	Quantity:
Concrete CL 4000 (C.Y.)	TBD
St. Reinf. Bar (LB.)	TBD
Epoxy Coated St. Reinf. Bar (LB.)	TBD

For the Purposes of payment, other associated work such as:

- Structure Excavation Class A
- Existing MSE wall removal / reconstruction
- Embankment backfill and compaction

Etc., for which there is no pay item included in the proposal, shall be considered incidental to the adjacent item of work.

For the purpose of payment, such minor structure items such as:

- Shims
- Joint filler materials
- Joint sealing materials
- Bond breaker materials
- Leveling pads / base course
- Concrete surface finishes / formliner finish

- Pigmented sealer
- Expansion fittings
- Nuts, bolts, washers, embedded anchors
- Epoxy bonding agents for steel reinforcing bar dowels

Etc., for which there is no pay item included in the proposal, are considered as structure minor items. There is no measurement for structure minor items and all costs in connection with furnishing and installing these minor structure items shall be included in the adjacent item of work.

The quantities in the Proposal are listed only for the convenience of the Contractor in determining the volume of work involved and are not guaranteed to be accurate. The prospective bidders shall verify these quantities before submitting a bid. No adjustments other than for approved changes will be made in the quantity even though the actual quantities required may deviate from those listed.

6-10.5 Payment

Section 6-10.5 is supplemented with the following:

(******)

Payment will be made in accordance with Section 1-04.1, for the following Bid items when included in the Proposal:

"Traffic Barrier with moment slab," lump sum

The lump sum unit Contract price per square yard for "Traffic Barrier with Moment Slab" shall be full pay for constructing traffic barrier and associated moment slab above the existing wall. All costs in connection with performing the Work as specified shall be included in the lump sum for "Traffic Barrier with Moment Slab".

6-14 GEOSYNTHETIC RETAINING WALL

6-14.1 Description

Section 6-14.1 is deleted and replaced with the following.

(******)

This Work consists of removing lifts and re-constructing partial upper lifts of geosynthetic retaining walls with vegetated wall facing as needed for final grading, as shown in these plans and in the Standard Plans D-3.09-00 for Permanent Geosynthetic Wall, Type 1. The term MSE wall and Structural Earth Wall are used in this contract plans and specifications and are interchangeable with the term geosynthetic retaining wall.

Work to remove and reconstruct MSE wall lifts is incidental to the "Traffic Barrier with Moment Slab" bid item. No additional payment shall be made for Work to remove MSE wall lifts or reconstruct partial upper lifts of MSE wall.

6-14.2 Materials

Section 6-14.2 is supplemented with the following.

(******)

Only geogrid materials shall be used for reinforcement in the geosynthetic retaining walls. Geogrid apertures shall have minimum dimensions of ¾-inches by ¾-inches.

6-14.3 Construction Requirements

6-14.3(1) Quality Assurance

Supplement Section 6-14.3(1) second row in tolerance table with the following:

(******)

The design batter shall be revised from the standard plans to a 1Horizontal:10Vertical for the purposes of the vegetative facing.

6-14.3(2) Submittals

Section 6-14.3(2) is supplemented with the following:

(******)

7. Provide manufacturer specifications, instructions, and material samples of geosynthetic retaining wall, with vegetated wall facing materials.

6-14.3(6) Permanent Facing

Section 6-14.3(6) is deleted and replaced with the following.

(******)

Where the Contractor reconstructs MSE wall lifts, the Contractor shall apply a permanent, vegetated wall facing for hydroseeding using geosynthetic products at the face of all permanent geosynthetic retaining walls as shown in the Plans. Shotcrete, concrete panels, and wire facing wall systems are not allowed in the contract.

The Contractor shall submit Type 2E working drawings for the vegetated wall facing systems as described in 6-14.3(2). The submittals shall include working drawings, materials information, installation requirements and specifications, and examples of previous installations.

Upon completion of the structural components of the vegetated wall facing system, hydroseed shall be applied using materials as described in Section 8-02.3(9) and 9-14.3.

7-04 STORM SEWERS

7-04.1 Description

The first paragraph of Section 7-04.1 shall read:

(******)

This work shall also consist of furnishing and installing Drain Tiles, Compost Amended Vegetated Filter Strip (CAVFS) With Drainage Blanket, Compost Amended Vegetated Filter Strip Without Drainage Blanket, Basic Vegetated Filter Strip, and Wet Biofiltration Swale.

7-04.2 Materials

Section 7-04.2 is supplemented with the following:

(******)

Drain and underdrain pipe shall be one of the following types, as indicated on the Plans:

Perforated Corrugated Polyethylene Underdrain Pipe (Up to 10 inch)	9-05.2(7)
Corrugated Aluminum Storm Sewer Pipe	9-05.11
Polypropylene Storm Sewer Pipe	9-05.24

Drainage Geosynthetic Fabric

Drainage geosynthetic fabric for use as drainage sock in Drain Tile shall be Class A conforming to the requirements in Section 9-33.2 Table 2, Geotextile for Underground Drainage Filtration Properties.

Topsoil

Topsoil used in Drain Tile shall be native topsoil taken from within the project limits either from the area where excavation is to be performed or from stripping from borrow, pit, or quarry sites, or from other designated and approved sources.

Compost Amended Soil

a. Compost Amended Soil shall be a well-blended homogeneous mixture of 60 to 65 percent by volume of native topsoil and 35 to 40 percent by volume of Compost for CAVFS and Swale.
    i. The Compost Amended Soil shall be free of Horsetail, Knotweed, and other difficult to control weeds.

b. The Compost Amended Soil mix shall have an initial saturated hydraulic conductivity of less than 12 inches per hour, and a minimum long-term hydraulic conductivity of 1.0 inches per hour per ASTM Designation D 2434 (Standard Test Method for Permeability of Granular Soils) at 85% compaction per ASTM Designation D 1557 (Standard Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort).

c. The pH for the Compost Amended Soil mix shall be between 5.5 and 7.0 (Stenn, 2003). If the pH falls outside the acceptable range, it may be modified with lime to increase the pH or iron sulfate plus sulfur to lower the pH.

d. The Compost Amended Soil mix shall have a minimum organic content of 5% by dry weight per ASTM Designation D 2974.

e. The Compost Amended Soil mix shall be uniform and free of stones, stumps, roots, or other similar material larger than 2 inches.

f. Compost for CAVFS and Swales
To ensure that the CAVFS and Swales will support healthy plant growth and root development,

contribute to biofiltration of pollutants, and not restrict infiltration when used in the proportions cited herein, the following compost standards are required.

i. Meets the definition of "composted material" in WAC 173-350-100 and complies with testing parameters and other standards in WAC 173-350.220.
ii. Produced at a composting facility that is permitted by the jurisdictional health authority. Permitted compost Washington are included in a spreadsheet titled Washington com-posting facilities and material types – 2017 at the following web address: https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-mater-ials/Managing-organics-compost
iii. The compost must originate a minimum of 65 percent by volume from recycled plant waste comprised of "yard debris," "crop residues," and "bulking agents" as those terms are defined in WAC 173-35-100. A maximum of 35 percent by volume of "post-consumer food waste" as defined in WAC 173-350-100, but not including biosolids or manure, may be substituted for recycled plant waste.
iv. Stable (low oxygen use and CO_2 generation) and mature (capable of supporting plant growth) by tests shown below. This is critical to plant success in bioretention soil mixes.
v. Moister content range: no visible free water or dust produced when handling the material.
vi. Tested in accordance with the U.S. Composting Council "Test Method for the Examination of Compost and Composting" (TMECC), as established in the Composting Council's "Seal of Testing Assurance" (STA) program. Most Washington compost facilities now use these tests.
vii. Screened with the following size gradations for Fine Compost when tested in accordance with the TMECC test method 02.02-B, "Sample Sieving for Aggregate size Classification". Fine composts shall meet the following gradation by dry weight:
    a. Minimum percent passing 2": 100%
    b. Minimum percent passing 1": 99%
    c. Minimum percent passing 5/8": 90%
    d. Minimum percent passing 1/4": 75%
viii. pH between 6.0 and 8.0 (TMECC 04.11-A). "Physical contaminants" (as defined in WAC 173-350-100) content less than 1% by weight.
ix. Organic matter content between 40% and 65% by dry weight (TMECC 05.07-A "Loss on Ignition")
x. Soluble salt content less than 4.0 dS/m (mmhos/cm) (TMECC 04.10-A "Electrical Conductivity, 1:5 Slurry Method, Mass Basis")
xi. Maturity indicators from a cucumber bioassay (TMECC 05.05-A "Seedling Emergence and Relative Growth") must be greater than 80% for both "emergence and vigor".
xii. Carbon to nitrogen ratio (TMECC 05.02-A "Carbon to Nitrogen Ratio" which uses 04.01 "Organic Carbon" and 04.02D "Total Nitrogen by Oxidation") of less than 25:1.

7-04.3 Construction Requirements

Section 7-04.3 is supplemented with the following:

(******)

Gravel backfill for pipe zone bedding shall be installed in storm sewer pipe trenches prior to installing the pipe. Storm Sewer pipe trenches shall be backfilled with crushed surfacing base course.

Dewatering

The groundwater level at the location of proposed stormwater infrastructure may require a level of dewatering depending on the time of year the construction takes place. The dewatering shall conform to requirements in Section 2-09.3(3) and Section 7-08.3. No additional compensation will be provided for dewatering activities.

Drain Tile
Drain Tile shall be constructed as shown in the Plans, including assembly of all PVC fittings and couplings, and Underdrain fittings and couplings in accordance with the applicable sections of the Standard Specifications and these Special Provisions.

HDPE piping shall be joined in accordance with ASTM D3212. Geotextile fabric "sock" shall be placed between the perforated HDPE underdrain and the lightly compacted topsoil as shown in the Drainage Details.

Grubbing for Drain Tile area shall be performed in accordance with section 2-01.3

Excavation
Contractor shall take care to avoid compacting soil in area of drain tile. Soil compaction can lead to Drain Tile failure; accordingly, minimizing compaction around the Drain Tile is critical. Contractor shall not excavate during wet or saturated conditions (compaction can reach depths of 2-3 feet during wet conditions and mitigation is likely to not be possible). Contractor excavation shall be performed by machinery operating adjacent to the Drain Tile, and no heavy equipment with narrow tracks, narrow tires, or large lugged, high-pressure tires should be allowed on the Drain Tile. If machinery must operate in the Drain Tile area for excavation, Contractor shall use light weight, low ground-contact pressure equipment and rip the base at completion to refracture soil to a minimum of 12 inches. If machinery operates in the Drain Tile footprint, subgrade infiltration rates must be field tested and compared to initial Ksat tests obtained during design. Failure to meet or exceed the initial Ksat tests will require revised engineering designs to verify achievement of Drain Tile function.

(******)
Compost Amended Vegetated Filter Strip
Compost Amended Vegetated Filter Strip shall be constructed as shown in the Plans, including grubbing of existing ground, excavation, installation of Levee Fill, Horizontal Drainage Blanket, Horizontal Drainage Filler, mixing and placement of Compost Amended Soil.

Planting of Compost Amended Vegetated Filter Strip will be as shown in the Plans conforming with "Hydroseeding, Fertilizing, and Mulching" in Section 8-02.

Grubbing for Compost Amended Vegetated Filter Strips shall be performed in accordance with section 2-01.3.

Excavation
Soil compaction can lead to Compost Amended Vegetated Filter Strip BMP failure; accordingly, minimizing compaction of the base Filter Strip area is critical. Excavation should never be allowed during wet or saturated conditions (compaction can reach depths of 2-3 feet during wet conditions and mitigation is likely to not be possible). Excavation should be performed by machinery operating adjacent to the BMP, and no heavy equipment with narrow tracks, narrow tires, or large lugged, high pressure tires should be allowed on the bottom of the bioretention BMP. If machinery must operate in the Compost Amended Vegetated Filter Strip for excavation, use light weight, low ground-contact pressure equipment and rip the base at completion to refracture soil to a minimum of 12 inches. If machinery operates in the Compost Amended Vegetated Filter Strip footprint, subgrade infiltration rates must be field tested and compared to initial Ksat tests obtained during design. Failure to meet or exceed the initial Ksat tests will require revised engineering designs to verify achievement of Runoff Treatment benefits that were estimated in the Stormwater Site Plan.

Soil Placement
On-site soil mixing or placement shall not be performed if Compost Amended Soil mix or

subgrade soil is saturated. The Compost Amended Soil Mix should be placed and graded by machinery operating adjacent to the BMP. If machinery must operate in the Compost Amended Vegetated Filter Strip for soil placement, use light weight equipment with low ground-contact pressure. If machinery operates in the BMP footprint, subgrade infiltration rates must be field tested and compared to initial Ksat tests obtained during design. Failure to meet or exceed the initial Ksat tests will require revised engineering designs to verify achievement of Runoff Treatment that were estimated in the Stormwater Site Plan.

The Compost Amended Soil mixture shall be placed in horizontal layers not to exceed 6 inches per lift for the entire area of the BMP.

Compact the Compost Amended Soil mix to a relative compaction of 85 percent of modified maximum dry density (ASTM D 1557). Compaction can be achieved by boot packing (simply walking over all areas of each lift), and then apply 0.2 inches (0.5 cm) of water per 1 inch (2.5 cm) of Compost Amended Soil mix depth. Water for settling should be applied by spraying or sprinkling.

(******)

Wet Biofiltration Swale

Excavation for Wet Biofiltration Swale shall conform with 2-03.3(14)M Excavation of Channels and Ditches.

Planting of Wet Biofiltration Swale will be as shown in the Plans and conforming with "Hydroseeding, Fertilizing, Mulching" in Section 8-02.

Grubbing for Compost Amended Vegetated Filter Strips shall be performed in accordance with section 2-01.3.

Soil Placement

On-site soil mixing or placement shall not be performed if Compost for CAVFS and Swales or subgrade soil is saturated. This area shall be prepared in accordance with Section 8-02.3(5).

7-04.4 Measurement

Section 7-04.4 is supplemented with the following:

(******)

Drain Tile will be measured per linear foot.

(******)

Compost Amended Vegetated Filter Strip With Drainage Blanket will be measured per square yard of constructed BMP.

Seeding for the Compost Amended Filter Strip With Drainage Blanket will be measured under "Hydroseeding, Fertilizing, Mulching" in Section 8-02.

(******)

Compost Amended Vegetated Filter Strip Without Drainage Blanket will be measured per square yard of constructed BMP.

Seeding for the Compost Amended Filter Strip Without Drainage Blanket will be measured under "Hydroseeding, Fertilizing, Mulching" in Section 8-02.

(******)

Basic Filter Strip will be measured per square yard of constructed BMP.

Seeding for the Basic Filter Strip will be measured under "Hydroseeding, Fertilizing, Mulching" in Section 8-02.

(******)
Wet Biofiltration Swale will be measured per linear foot.

Seeding for the Wet Biofiltration Swale will be measured under "Hydroseeding, Fertilizing, Mulching" in Section 8-02.

7-04.5 Payment

Section 7-04.5 is supplemented with the following:

(******)

All Unit Contract prices for storm sewer pipe shall include furnishing all material and placement of material for gravel backfill for pipe zone bedding and trench backfill material.

"Drain Tile", per linear foot.

The unit Contract price for "Drain Tile," shall include all costs for the work required to furnish and install the Drain Tile as shown on the Plans, included but not limited to PVC underdrain, geotextile, grubbing, placement of topsoil, excavation, and all other costs for constructing a fully functioning drain tile as specified herein and shown on the Plans.

"Compost Amended Vegetated Filter Strip With Drainage Blanket", per square yard.

The unit Contract price for "Compost Amended Vegetated Filter Strip With Drainage Blanket" shall include all costs for the work required to furnish and install the BMP as shown on the Plans, including but not limited to, Compost for CAVFS and Swale, Drainage Blanket, Drainage Filter, furnishing, mixing and placing Compost Amended Soil, excavation, and all other costs for construction of the item as specified herein and shown on the Plans.

"Compost Amended Vegetated Filter Strip Without Drainage Blanket", per square yard.

The unit Contract price for "Compost Amended Vegetated Filter Strip Without Drainage Blanket" shall include all costs for the work required to furnish and install the BMP as shown on the Plans, including but not limited to, Compost for CAVFS and Swale, Levee Fill, mixing and placing Compost Amended Soil, excavation, and all other costs for construction of the item as specified herein and shown on the Plans.

"Basic Filter Strip", per square yard.

The unit Contract price for "Basic Filter Strip" shall include all costs for the work required to furnish and install the BMP as shown on the Plans, including but not limited to, tilling of existing topsoil, excavation, and all other costs for construction of the item as specified herein and shown on the Plans.

"Wet Biofiltration Swale", per linear foot.

The unit Contract price for "Wet Biofiltration Swale" shall include all costs for the work required to furnish and install the BMP as shown on the Plans, including but not limited to, tilling of existing topsoil, ditch excavation, and all other costs for construction of the item as specified herein and shown on the Plans.

7-05 MANHOLES, INLETS, CATCH BASINS AND DRYWELLS

7-05.1 Description

(******)

Section 7-05.1 is supplemented with the following:

This work shall also consist of construction of outfall protection at pipe outlets to slow the velocity of stormwater at point discharge locations.

This work also consists of constructing flow splitter.

7-05.2 Materials

(******)

Section 7-05.2 is supplemented with the following:

Flow Splitter

Precast concrete components shall be provided according to ASTM C478.

Non-precast concrete components shall be 3000 psi, 28-day strength, 3/4 inch round rock, 4-inch slump maximum, and placed within 90 minutes of mixing.

Joint Sealant shall be Conseal CS-101 or Engineer approved equal.

Silicone Sealant shall be pure RTV silicone conforming to Federal Specification number TT S001543A or Engineer approved equal.

Grout shall be non-shrink grout meeting requirements of Corps of Engineers CRD-C588 and have a minimum compressive strength of 6,200 psi.

Backfill shall be 3/4 inch minus rock compacted to 95% density, or as otherwise specified in the Plans.

The Contractor shall submit shop drawings for flow splitter prepared and stamped by a professional engineer licensed in the State of Washington with experience in the design and fabrication of these types of systems. The submittal shall describe all materials to be used including backfill material requirements and limits and shall include all design calculations.

7-05.3 Construction Requirements

(******)

Section 7-05.3 is supplemented with the following:

Flow Splitter

Contractor shall install structures and vaults according to manufacturer's recommendations. Contractor shall grout all inlet and outlet pipes flush with interior walls. Contractor shall grout interior walls. All non-steel pipes entering and exiting the structure or vault shall be fitted with sand collars or Engineer approved equal fittings, as shown on the Plans.

Any weirs, or other flow control elevation equipment shall be set per direction from the Engineer or as shown on the Plans. Silicone sealant shall be placed at all joints and worked into joints from both sides.

Contractor shall clean all facilities to remove sediment prior to project final acceptance.

7-05.4 Measurement

(******)

Section 7-05.4 is supplemented with the following:

Outfall Protection shall be measured by the cubic yard of material placed to protect the outfall.

Flow Splitter shall be measured by each structure installed.

7-05.5 Payment

(******)

Section 7-05.5 is supplemented with the following:

"Outfall Protection", per cubic yard.

The Unit Contract price for "outfall protection" shall include but not be limited to all work to furnish and install quarry spalls, and other required work to construct the outfall protection to the lines and grades shown on the Plans.

"Flow Splitter", per each.

The unit Contract price for "Flow Splitter" shall include but not be limited to all costs for furnishing and installing the complete vault or structure per the manufacturer's recommendations including but not limited to shop drawings, control structures, access hatches or lids, risers, rings, covers, adjustment of lids to grade, coring, pipe connections, attachments, dewatering, bedding, backfill, testing, and all labor and materials to complete the installation of the complete system as detailed in the Plans or specified herein.

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.1 Description

The second paragraph of Section 8-01.1 is deleted and revised to read as follows:

(******)

The Contracting Agency has provided a National Pollution Discharge Elimination System Construction Stormwater General Permit (CSWGP) in Appendix B.5.

The Contracting Agency will be responsible for monitoring and reporting required by the CSWGP. The Contractor will be responsible for installing and maintaining BMPs consistent with the CSWGP and the Contractor's SWPPP and performing tasks detailed in Section 8-01.3(1)B. The Contracting Agency has a 401 water quality certification included in Appendix B.4, and the project is also subject to all water quality related permits and laws for the work, as included in Appendix B.5. This Section 8-01 covers these conditions.

8-01.3 Construction Requirements

8-01.3(1) General

8-01.3(1)B Erosion and Sediment Control (ESC) Lead

Item 3 under the second paragraph of Section 8-01.3(1)B is deleted and revised to read as follows:

(******)

3. Discharge sampling and submitting weekly inspection reports describing BMP implementation, inspection, and maintenance to the Clallam County Certified Erosion & Sediment Control Lead (CESCL). The Clallam County CESCL will submit Discharge Monitoring Reports (DMRs) to Ecology in accordance with the CSWGP.

8-02 ROADSIDE RESTORATION

8-02.1 Description

Section 8-02.1 is supplemented with the following:

(******)

This work includes installing hydroseed mulch on road embankments, wet biofiltration swale, Compost Amended Vegetated Filter Strip with Drainage Blanket, Compose Amended Vegetated Filter Strip Without Drainage Blanket, and Basic Filter Strip as indicated on the Plans or as directed by the Engineer.

Any areas disturbed by construction activities that are not indicated for seeding in the Contract Drawings shall be restored through coordination with the Contracting Agency.

(******)

This work consists of the Contractor Providing Weed and Pest Control.

8-02.3 Construction Requirements

8-02.3(2) Work Plans

8-02.3(2)A Roadside Work Plan

Section 8-02.3(2) A is supplemented with the following:

(******)

The Contractor shall provide a Roadside Work Plan for all project seeding areas that meets the requirements and includes the elements outlined in Section 8-02.3(2)A, including decompaction. Contractor shall utilize methods for compaction prevention, including methods listed in Section 8-02.3(2)A, in all seeding areas.

8-02.3(2)B Weed and Pest Control Plan

The first paragraph of Section 8-02.3(2)B is supplemented with the following:

(******)

The Weed and Pest Control Plan shall describe all weed and pest control needs for the Project areas. The Weed and Pest Control Plan shall comply with the requirements specified in the following plan:
Clallam County, 2024, Clallam County Road Department Integrated Weed Management Plan, 2024. Road Department. 124 p. Available: https://www.clallamcountywa.gov/DocumentCenter/View/5761/Integrated-Weed-Management-Plan-2024-PDF?bidId=

8-02.3(5) Roadside Seeding, Lawn and Planting Area Preparation

8-02.3(5)A Seeding Area Preparation

Section 8-02.3(5)A is supplemented with the following:

(******)

All seeding areas impacted by construction activities that result in earth disturbance and compacted ground shall be decompacted by the Contractor to a depth of 18 inches and returned to uniform grade per Contract Drawings and even with the surrounding areas, leaving no holes or mounds over 3 inches in depth or height. Contractor shall utilize methods for compaction prevention, including methods listed in Section 8-02.3(2)A, in all planting and seeding areas.

The fourth item in Section 8-02.3(5)A is supplemented with the following:

(******)

Tractor walking requirements are applicable to road embankment slopes only.

8-02.3(9)A Dates for Application of Seed

Section 8-02.3(9)A is supplemented with the following:

(******)

Hydroseeding shall not be conducted where standing water is present. The Contractor may request permission from the Contracting Agency to seed outside of the approved windows.

8-02.3(9)B Seeding and Fertilizing

The first paragraph of Section 8-02.3(9)B is supplemented with the following:

(******)

The Contractor shall prepare the seeding area in accordance with Section 8-02.3(5)A and apply seed provided by the County at the rate and mix specified in Section 9-14.3. The Contractor shall notify the Engineer within 5 days in advance of any seeding operation and shall not begin the Work until areas prepared or designated for seeding have been accepted. Following the Engineer's acceptance, seeding of the accepted ground surfaces shall begin immediately.

The specified seed mix shall be applied as a homogeneous hydroseed slurry with seed, tackifier, and wood cellulose fiber mulch. If color is not present in the wood cellulose fiber mulch, all hydroseed applications shall include a tracer to verify uniform application. The wood cellulose fiber mulch shall meet the requirements in Section 9-14.5(2)A Long-Term Mulch. Fertilizer shall not be included in the hydroseed slurry.

8-02.4 Measurement

The first sentence of Section 8-02.4 is deleted and replaced by:

(******)

"Hydroseeding, Fertilizing, Mulching" will be measured by acres, for the areas shown on the plans.

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

(******)

"Hydroseeding, Fertilizing, Mulching" per acre.

8-04 CURBS, GUTTERS AND SPILLWAYS

8-04.3 Construction Requirements

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

Section 8-04.3(1) is supplemented with the following:

(******)

All excavation required for installation of the Cement Conc. Traffic Curb shall be performed in accordance with Section 2-03.1.

8-04.3(2) Extruded Asphalt Concrete Curbs and Gutters

Section 8-04.3(2) is supplemented with the following:

(******)

Asphalt Wedge Curb

The construction of the asphalt wedge curb shall be molded during the final lift of asphalt wearing course placement. The wedge curb shall follow the grades and dimensions shown in the Plans.

8-04.4 Measurement

The first sentence of the third paragraph of Section 8-04.4 is deleted and replaced by:

(******)

Except for metal spillways, all excavation for these Structures, cutting slope reinforcement, backfilling, and haul and disposal of excess excavated materials shall be incidental to the items involved.

Section 8-04.4 is supplemented with the following:

(******)

Asphalt Wedge Curb is measured by the linear foot of wedge curb formed.

8-04.5 Payment

Section 8-04.5 is supplemented with the following:

(******)

"Asphalt Wedge Curb", per linear foot.

The Unit Contract price for "Asphalt Wedge Curb" per linear foot shall include all work to form and install the wedge curb into the top lift of asphalt pavement. The asphalt material is paid for with the bid item "HMA CL. ½ In. PG 58H-22" as included in these Specifications.

8-11 GUARDRAIL

8-11.1 Description

Section 8-11.1 is deleted and replaced with the following:

(******)

This Work consists of providing, installing, and protecting guardrails as shown in the Plans, and includes guardrail installations through geosynthetic layers along the MSE walls and levee embankment.

8-11.3 Construction Requirements

8-11.3(1) Beam Guardrail

(April 5, 2010 WSDOT GSP)

Section 8-11.3(1) is supplemented with the following:

This project may contain a mixture of steel and wood posts. The bidder is advised that post selection will be as detailed in the plans and these specifications.

8-11.3(1)A Erection of Posts

Section 8-11.3(1)A second paragraph is deleted and supplemented with the following:

(******)

The Engineer will provide the Contractor with the guardrail locations along Towne Road Levee embankment and the Eberle and Towne Road MSE walls. Guardrails along the MSE walls will be

installed through layers of MSE wall geosynthetic, consisting of Miragrid 3XT. The Contractor is likely to encounter multiple layers of MSE wall reinforcement at one foot vertical spacing along both sides of the Eberle and Towne Road MSE walls.

The Contractor shall cut each geogrid layer the posts will pass through prior to guardrail installation. The Contractor shall cut a 12-inch by 12-inch "X" in the geogrid layers at each guardrail post location (including non-flared terminals) prior to installation by driving a sharpened spud to depth or digging to expose the geogrid and cutting. The Contractor shall install the guardrail posts through the cut geogrid layers. These locations will be paid under "Beam Guardrail Type-31 (Geogrid)."

Guardrails along the landward side of the Towne Road Leve embankment will not encounter levee embankment slope reinforcement layers. These locations will be paid under "Beam Guardrail Type-31."

The Contractor shall submit a workplan indicating geogrid cutting and guardrail post installation methods. The contractor may propose an alternative method of installation for approval. All impacted area resulting from the Contractor's means and methods for guardrail post installation shall be restored to original condition at no additional cost to the Contracting Agency. The Contracting Agency does not guarantee the accuracy of the geosynthetic reinforcement layer locations and is not responsible for the content in any manner. The information is provided for the convenience to the Contractor.

Posts may be placed in dug or drilled holes. Drilled holes are not allowed for post installation through MSE wall geosynthetic. Ramming or driving will be permitted only if approved by the Engineer and there is no resulting damage to the shoulders, adjacent slopes, MSE walls, and MSE wall geosynthetic.

8-11.3(1)C Terminal and Anchor Installation

Section 8-11.3(1)C first paragraph is deleted and replaced with the following:

(******)

All excavation and backfilling required for installation of anchors shall be performed in accordance with Section 2-09.3, Section 8-11.3(1)A, and with backfill material(s) approved by the Engineer. Cut "X" dimensions shall be adjusted to accommodate the anchor foundation size.

8-11.4 Measurement

Section 8-11.4 is supplemented with the following:

(******)

"Beam Guardrail Type-31 – 8 Ft. Long Post" is measured per linear foot of beam and post installations, connections.

(******)

"Beam Guardrail Type-31 (Geogrid) – 8 Ft. Long Post" is measured per linear foot of beam and post installations, connections.

(******)

"Beam Guardrail Anchor Type 11 (Geogrid)," per each.

8-11.5 Payment

Section 8-11.5 is supplemented with the following:

(******)

"Beam Guardrail Type-31 – 8 Ft. Long Post" per linear foot of beam with posts installed.

(******)

"Beam Guardrail Type-31 (Geogrid) – 8 Ft. Long Post" per linear foot of beam with posts

installed.

The Unit Contract price for “Beam Guardrail Type-31 (Geogrid)” shall include all work to pre-cut geogrid layers at each guardrail post location as specified in these Special Provisions.

(******)

“Beam Guardrail Anchor Type 11 (Geogrid)” per each.

The Unit Contract price for “Beam Guardrail Type-31 Anchor Type 11 (Geogrid)” shall include all work to pre-cut geogrid layers at each anchor location where required as specified in these Special Provisions.

9-03 AGGREGATES

9-03.13 Backfill for Sand Drains

9-03.13(2) Horizontal Drainage Filter (Import)

Section 9-03.13(2) is added as the following:

(******)

Aggregate for the Horizontal Drainage Filter (Import) shall be imported to the site and consist of granular material free of debris, waste, frozen materials, wood, vegetation, and other deleterious matter, and shall meet the following requirements for grading:

Sieve Size	Percent Passing	
	Minimum Percent Passing	Maximum Percent Passing
1/2 inch	100	100
No. 4	90	100
No. 10	75	100
No. 20	48	75
No. 40	20	55
No. 60	7	35
No. 100	0	18
No. 200	0	5

All percentages are by dry unit weight

9-03.13(3) Horizontal Drainage Blanket (Import)

Section 9-03.13(3) is added as the following:

(******)

Aggregate for the Horizontal Drainage Blanket (Import) shall be imported to the site and consist of granular material free of debris, waste, frozen materials, wood, vegetation, and other deleterious matter, and shall meet the following requirements for grading:

Sieve Size	Percent Passing	
	Minimum Percent Passing	Maximum Percent Passing
2 inch	100	-
1 inch	70	100
1/2 inch	40	85
3/8 inch	30	75
No. 4	12	45
No. 10	0	15
No. 100	0	3

All percentages are by dry unit weight

9-14 EROSION CONTROL AND ROADSIDE PLANTING

9-14.3 Seed

Section 9-14.3 is supplemented with the following:

(******)

The Contractor shall use the Erosion Control Seed Mix (applied at 20 pounds per acre) and Wetland Emergent Seed Mix (applied at 18.3 pounds per acre) provided by the Contracting Agency for road embankment placement areas, bioswale and compost amended vegetated filter strips areas, and other bare soil that requires stabilization, as shown on the Plans. Application rates assume one-stage hydroseed application. If Contractor does not employ one-stage hydroseed application, the seeding rate shall be revised and approved by the Contracting Agency. The seed mixes can be made available to the Contractor upon request.

9-14.5 Mulch and Amendments
9-14.5(2) Hydraulically Applied Erosion Control Products (HECPs)
9-14.5(2)A Long-Term Mulch

Section 9-14.5(2)A is supplemented with the following:

(******)

The Contractor shall use a long-term wood cellulose fiber mulch in the hydroseed applications. The long-term wood cellulose fiber mulch shall be applied at a rate of 2,500 pounds, dry weight, per acre.

9-14.5(7)Tackifier

Section 9-14.5(7) is supplemented with the following:

(******)

Tackifier shall be applied at a rate consistent with the manufacturer's directions.

9-33 CONSTRUCTION GEOSYNTHETIC

9-33.1 Geosynthetic Material Requirements

The fifth paragraph of Section 9-33.1 is revised to read as follows:

(******)

The geosynthetics shall conform to the properties as indicated in Tables 1 through 8 in Section 9-33.2, and additional tables as required in the Special Provisions for each use specified here and in the Plans.

1. Construction geosynthetic for geosynthetic retaining wall installed as the reinforcement for the MSE walls shall be a geogrid. Construction geosynthetic for geosynthetic retaining wall shall meet or exceed the long-term geosynthetic reinforcement strength requirements as defined in Standard Plan D-3.09-00, Geosynthetic Wall Type 1 and the requirements in Table 11 of Special Provision Section 9-33.2(2). For external stability the wall shall be designed for seismic design for large earthquake, $A_s \leq 0.51g$, as specified on sheet 3 of 4 in the standard plans.

Specifically, the geosynthetic uses included in this Section and their associated tables of properties are as follows:

9-33.2(2) Geotextile Properties for Retaining Walls and Reinforced Slopes

Supplement Section 9-33.2(2) with the following:

Table 11
Minimum Additional Strength Properties Required for
Construction Geosynthetic for Geosynthetic Retaining Wall

Geosynthetic Property	GRI Guidelines	Location	Geosynthetic Property Requirements[1]
		Geosynthetic Retaining Wall	
Allowable Tensile Strength (Tallow)[5,7] for long-term design strength (LTDS) based on 50-year-life	GG4(a) for stiff geogrids GG4(b) for flexible geogrids	All Geosynthetic Retaining Walls	760 lb/ft min.

[5] The LTDS T_{allow} value shall be determined from Equation 3 of Section 6.4 from the appropriate GRI guideline listed above. In the absence of test information, the reduction factors shall be taken from the "Embankments" application of Table 1 from Section 7 of the appropriate GRI guideline listed above. If reduction factors used are based on test information, documentation shall be submitted in accordance with Sections 2-12 and 9-33 of these specifications.
[6] Not used.
[7] The ultimate tensile strength (T_{ult}) used in Equation 3 of Section 6.4 from the appropriate GRI guideline listed above shall be based on ASTM Test Method D 4595 for geotextiles and ASTM Test Method D 6637 for geogrids.
See additional Notes in Section 9-33.2(3), Table 8.

9-33.3 Aggregate Cushion of Permanent Erosion Control Geosynthetic

(******)

Section 9-33.3 is deleted.

9-33.4 Geosynthetic Approval and Acceptance9-33.4(1) Geosynthetic Material Approval

9-33.4(1) Geosynthetic Material Approval

The first paragraph of Section 9-33.4(1) is deleted and replaced with the following:

(******)

Geosynthetics used shall either be listed in the current WSDOT Qualified Products List (QPL) or be submitted for approval. Geosynthetic material approval will be based on conformance to the applicable properties from the Tables in Section 9-33.2 and these Special Provisions. Source approval for the products submitted shall not be the basis of acceptance of specific lots of material delivered to the Contractor unless the roll numbers of the lot submitted can clearly be identified as the rolls approved.

9-33.4(3) Acceptance Samples

(******)

Section 9-33.4(3) is deleted.

9-33.4(4) Acceptance by Certificate of Compliance

(******)

The table after the first paragraph of Section 9-33.4(4) is deleted and replaced with the following:

Application	Geosynthetic Quantity
Underground Drainage	100 sq. yd.
Construction Geosynthetic for Geosynthetic Retaining Wall	All quantities

BID PROPOSAL
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT
PHASE 3 - 2024 CONSTRUCTION

To the Board of County Commissioners of Clallam County Port Angeles, Washington

Gentlemen:

This certifies that the undersigned has examined the Contract Plans and Specifications for this improvement project, and has examined the location of

LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT
PHASE 3 - 2024 CONSTRUCTION

included within said improvement project. The signatory on the Proposal Signature Page further certifies that he/she understands the plans, specifications and contract governing the work embraced in this improvement, and the method by which payment will be embraced in this improvement project in accordance with the said plans, specifications and contract, and the made for said work. Unanticipated financial constraints on the part of the County may result in curtailment or limiting of this improvement project to as much of the work as can be completed with the money available. The undersigned hereby proposes to undertake and complete the work following schedule of rates and prices:

NOTE: Unit Prices and Unit Totals for all items, and the Bid Total shall be shown, and shall be shown in figures only. Figures written to the right of the dot (decimal) in the Unit Price and Unit Total columns shall be interpreted as cents. Unit prices shall include sales tax. All entries must be typed or entered in ink. If a discrepancy exists between the Unit Price and the Unit Total, the Unit Price will control.

NO.	APRX. QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
1	1	EST	MINOR CHANGES	10,000	$10,000.00
2	1	LS	RECORD DRAWINGS		
3	1	LS	CONTRACTOR SURVEYING - ROADWAY		
4	1	LS	STORMWATER POLLUTION PREVENTION PLAN		
5	1	LS	SPILL PREVENTION, CONTROL AND COUNTERMEASURES PLAN		
6	1	LS	UTILITY COORDINATION		
7	1	LS	MOBILIZATION		
8	1	LS	PROJECT TEMPORARY TRAFFIC CONTROL		
9	1	AC	CLEARING AND GRUBBING		
10	1	EST	ROADSIDE CLEANUP	5,000	$5,000.00
11	1	LS	REMOVAL OF STRUCTURES AND OBSTRUCTIONS		
12	753	SY	REMOVAL OF PAVEMENT		
13	6,610	CY	ROADWAY EXCAVATION INCL. HAUL		
14	514	CY	STRUCTURE EXCAVATION CLASS B INCL. HAUL		
15	4,290	SF	SHORING AND EXTRA EXCAVATION CLASS B		
16	1,859	CY	CRUSHED SURFACING BASE COURSE (SALVAGE) INCL. HAUL		
17	2,315	CY	CRUSHED SURFACING TOP COURSE (CSTC)		
18	335	TON	HMA CL. 1/2 IN PG 58H-22		
19	33	TON	HMA FOR APPROACH CL. 1/2 IN PG 58H-22		
20	550	LF	DRAIN TILE		
21	3	EA	CONCRETE INLET		
22	5	EA	CATCH BASIN TYPE 1		
23	1	EA	CATCH BASIN TYPE 1L		
24	4	CY	OUTFALL PROTECTION		
25	1	EA	FLOW SPLITTER		
26	1	LS	EROSION CONTROL AND WATER POLLUTION PREVENTION		
27	6,853	LF	WATTLE		

BIDDER _____

BID PROPOSAL

NO.	APRX. QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL
28	550	SY	STABILIZED CONSTRUCTION ENTRANCE		
29	1	EST	PROJECT AREA WEED AND PEST CONTROL	5,000	$5,000.00
30	679	LF	ASPHALT WEDGE CURB		
31	3,268	LF	CEMENT CONC. TRAFFIC CURB		
32	3,459	LF	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST		
33	366	LF	BEAM GUARDRAIL TYPE 31 (GEOGRID) - 8 FT. LONG POST		
34	1	LS	TRAFFIC BARRIER WITH MOMENT SLAB		
35	2	EA	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL		
36	2	EA	BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11		
37	2	EA	BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 (GEOGRID)		
38	4	EA	BEAM GUARDRAIL TRANSITION SECTION TYPE 24		
39	1	EA	ACCESS CONTROL GATE		
40	1	LS	PERMANENT SIGNING		
41	1,077	LF	PAINT LINE		
42	109	LF	PAINTED STOP LINE		
43	156	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.		
44	335	LF	TR. 5 STORM SEWER PIPE 0.075 IN. TH. 12 IN. DIAM.		
45	1	AC	HYDROSEEDING, FERTILIZING, MULCHING		
46	2,425	SY	COMPOST AMENDED VEGETATED FILTER STRIP WITH DRAINAGE BLANKET		
47	395	SY	COMPOST AMENDED VEGETATED FILTER STRIP WITHOUT DRAINAGE BLANKET		
48	320	SY	BASIC FILTER STRIP		
49	100	LF	WET BIOFILOTRATION SWALE		
50	380	LF	FENCE RELOCATION		
			TOTAL		

BIDDER _____

C O N T R A C T

THIS AGREEMENT, made and entered into between Clallam County, acting through the Clallam County Commissioners and the Clallam County Public Works Department, and **ABC Construction, Inc., of Anywhere, USA**, hereinafter called the Contractor:

In consideration of the terms and conditions contained herein and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

I. The Contractor shall do all work and furnish all tools, materials, and equipment for the **LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION AND LEVEE/ROAD REALIGNMENT PROJECT – PHASE 3 – 2024 CONSTRUCTION**, and other related work in accordance with the bid proposal submitted by the Contractor and the attached Contract Plans and Contract Specifications and the Standard Specifications and the Standard Plans of the Washington State Department of Transportation for Road, Bridge, and Municipal Construction, which are by this reference incorporated herein and made part of this contract.

The Contractor shall provide and bear the expense of all equipment, work and labor, of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in the Contract Plans and Provisions except for those items specifically mentioned therein to be furnished by Clallam County.

II. Clallam County hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above described work and to complete and finish the same according to the attached Specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached Specifications and the schedule of unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract. The County further agrees to employ the Contractor to perform any alterations in or additions to the work provided for in this contract that may be ordered and to pay for the same under the terms of this contract and the attached Plans and Specifications.

III. The Contractor for himself, and for his heirs, executors, administrators, successors, and assigns, hereby agrees to fully perform all the Contractor's covenants contained herein.

IV. It is further provided and understood by the parties to this contract that no liability shall attach to Clallam County by reason of entering into this contract, except as expressly provided herein.

Executed by the Contractor: Signature: _____

Title: _____

Date: _____ For: _____
(Contractor)

COUNTY OF CLALLAM

Approved as to Form: _____
Deputy Prosecuting Attorney Date
County of Clallam

By: _____
Chair of the BOARD OF CLALLAM COUNTY
COMMISSIONERS

This agreement commences on the _____day of _____, 20_____.

PUBLIC WORKS CONTRACT BOND

Bond No. _____

KNOW ALL MEN BY THESE PRESENTS: That we, _____,

_____,

as Principal, and _____, as Surety, are held and firmly bound and obligated unto the State of Washington and County of Clallam, in the sum of _____ DOLLARS, for the payment of which sum we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally.

This bond is executed pursuant to Chapter 39.08, Revised Code of Washington. Surety specifically agrees to be bound by the laws of the State of Washington and to be subjected to the jurisdiction of the State of Washington.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that whereas the Principal entered into a certain contract with Clallam County dated the _____ day of _____, 20 _____, for _____

_____

which contract is attached hereto and is incorporated herein by this reference.

NOW, THEREFORE, if the Principal performs and fulfills all the provisions of such contract and pays all laborers, mechanics and subcontractors and materialmen, and all persons who shall supply such person or persons, or subcontractors, with provisions and supplies for the carrying on of such work, then this obligation is void; otherwise it shall remain in full force and effect.

Signed and Sealed this _____ day of _____, 20 _____.

SURETY:

_____
Name

_____
Address

_____
Attorney in Fact

_____
Signature

PRINCIPAL:

_____
Name of Principal

_____
Name and Title of Signatory

_____
Signature

APPROVED AS TO FORM:

_____
Deputy Prosecuting Attorney

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 05/07/2024

County	Trade	Job Classification	Wage	Holiday	Overtime	Note	*Risk Class
Clallam	Asbestos Abatement Workers	Journey Level	$59.07	5D	1H		View
Clallam	Boilermakers	Journey Level	$74.29	5N	1C		View
Clallam	Brick Mason	Journey Level	$69.07	7E	1N		View
Clallam	Brick Mason	Pointer-Caulker-Cleaner	$69.07	7E	1N		View
Clallam	Building Service Employees	Janitor	$16.28		1		View
Clallam	Building Service Employees	Shampooer	$16.28		1		View
Clallam	Building Service Employees	Waxer	$16.28		1		View
Clallam	Building Service Employees	Window Cleaner	$16.28		1		View
Clallam	Cabinet Makers (In Shop)	Journey Level	$16.28		1		View
Clallam	Carpenters	Acoustical Worker	$74.96	15J	4C		View
Clallam	Carpenters	Bridge, Dock And Wharf Carpenters	$74.96	15J	4C		View
Clallam	Carpenters	Floor Layer & Floor Finisher	$74.96	15J	4C		View
Clallam	Carpenters	Journey Level	$74.96	15J	4C		View
Clallam	Carpenters	Scaffold Erector	$74.96	15J	4C		View
Clallam	Cement Masons	Application of all Composition Mastic	$72.87	15J	4U		View
Clallam	Cement Masons	Application of all Epoxy Material	$72.37	15J	4U		View
Clallam	Cement Masons	Application of all Plastic Material	$72.87	15J	4U		View
Clallam	Cement Masons	Application of Sealing Compound	$72.37	15J	4U		View
Clallam	Cement Masons	Application of Underlayment	$72.87	15J	4U		View
Clallam	Cement Masons	Building General	$72.37	15J	4U		View
Clallam	Cement Masons	Composition or Kalman Floors	$72.87	15J	4U		View
Clallam	Cement Masons	Concrete Paving	$72.37	15J	4U		View
Clallam	Cement Masons	Curb & Gutter Machine	$72.87	15J	4U		View
Clallam	Cement Masons	Curb & Gutter, Sidewalks	$72.37	15J	4U		View
Clallam	Cement Masons	Curing Concrete	$72.37	15J	4U		View
Clallam	Cement Masons	Finish Colored Concrete	$72.87	15J	4U		View
Clallam	Cement Masons	Floor Grinding	$72.87	15J	4U		View
Clallam	Cement Masons	Floor Grinding/Polisher	$72.37	15J	4U		View
Clallam	Cement Masons	Green Concrete Saw, self-powered	$72.87	15J	4U		View
Clallam	Cement Masons	Grouting of all Plates	$72.37	15J	4U		View
Clallam	Cement Masons	Grouting of all Tilt-up Panels	$72.37	15J	4U		View
Clallam	Cement Masons	Gunite Nozzleman	$72.87	15J	4U		View
Clallam	Cement Masons	Hand Powered Grinder	$72.87	15J	4U		View
Clallam	Cement Masons	Journey Level	$72.37	15J	4U		View

Clallam	Cement Masons	Patching Concrete	$72.37	15J	4U		View
Clallam	Cement Masons	Pneumatic Power Tools	$72.87	15J	4U		View
Clallam	Cement Masons	Power Chipping & Brushing	$72.87	15J	4U		View
Clallam	Cement Masons	Sand Blasting Architectural Finish	$72.87	15J	4U		View
Clallam	Cement Masons	Screed & Rodding Machine	$72.87	15J	4U		View
Clallam	Cement Masons	Spackling or Skim Coat Concrete	$72.37	15J	4U		View
Clallam	Cement Masons	Troweling Machine Operator	$72.87	15J	4U		View
Clallam	Cement Masons	Troweling Machine Operator on Colored Slabs	$72.87	15J	4U		View
Clallam	Cement Masons	Tunnel Workers	$72.87	15J	4U		View
Clallam	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	$129.71	15J	4C		View
Clallam	Divers & Tenders	Dive Supervisor/Master	$93.94	15J	4C		View
Clallam	Divers & Tenders	Diver	$129.71	15J	4C	8V	View
Clallam	Divers & Tenders	Diver On Standby	$88.94	15J	4C		View
Clallam	Divers & Tenders	Diver Tender	$80.82	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$93.26	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	$98.26	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$102.26	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$107.26	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$109.76	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$114.76	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$116.76	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$118.76	15J	4C		View
Clallam	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$120.76	15J	4C		View
Clallam	Divers & Tenders	Manifold Operator	$80.82	15J	4C		View
Clallam	Divers & Tenders	Manifold Operator Mixed Gas	$85.82	15J	4C		View
Clallam	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$80.82	15J	4C		View
Clallam	Divers & Tenders	Remote Operated Vehicle Tender	$75.41	15J	4C		View
Clallam	Dredge Workers	Assistant Engineer	$79.62	5D	3F		View
Clallam	Dredge Workers	Assistant Mate (Deckhand)	$79.01	5D	3F		View
Clallam	Dredge Workers	Boatmen	$79.62	5D	3F		View
Clallam	Dredge Workers	Engineer Welder	$81.15	5D	3F		View
Clallam	Dredge Workers	Leverman, Hydraulic	$82.77	5D	3F		View
Clallam	Dredge Workers	Mates	$79.62	5D	3F		View
Clallam	Dredge Workers	Oiler	$79.01	5D	3F		View
Clallam	Drywall Applicator	Journey Level	$75.73	15O	11S		View
Clallam	Drywall Tapers	Journey Level	$75.73	15O	11S		View
Clallam	Electrical Fixture Maintenance Workers	Journey Level	$38.69	5L	1E		View
Clallam	Electricians - Inside	Cable Splicer	$109.35	7C	4E		View
Clallam	Electricians - Inside	Cable Splicer (tunnel)	$117.52	7C	4E		View
Clallam	Electricians - Inside	Certified Welder	$105.63	7C	4E		View

Clallam	Electricians - Inside	Certified Welder (tunnel)	$113.43	7C	4E		View
Clallam	Electricians - Inside	Construction Stock Person	$51.53	7C	4E		View
Clallam	Electricians - Inside	Journey Level	$101.92	7C	4E		View
Clallam	Electricians - Inside	Journey Level (tunnel)	$109.35	7C	4E		View
Clallam	Electricians - Motor Shop	Craftsman	$16.28		1		View
Clallam	Electricians - Motor Shop	Journey Level	$16.28		1		View
Clallam	Electricians - Powerline Construction	Cable Splicer	$93.00	5A	4D		View
Clallam	Electricians - Powerline Construction	Certified Line Welder	$85.42	5A	4D		View
Clallam	Electricians - Powerline Construction	Groundperson	$55.27	5A	4D		View
Clallam	Electricians - Powerline Construction	Heavy Line Equipment Operator	$85.42	5A	4D		View
Clallam	Electricians - Powerline Construction	Journey Level Lineperson	$85.42	5A	4D		View
Clallam	Electricians - Powerline Construction	Line Equipment Operator	$73.35	5A	4D		View
Clallam	Electricians - Powerline Construction	Meter Installer	$55.27	5A	4D	8W	View
Clallam	Electricians - Powerline Construction	Pole Sprayer	$85.42	5A	4D		View
Clallam	Electricians - Powerline Construction	Powderperson	$63.50	5A	4D		View
Clallam	Electronic Technicians	Journey Level	$65.66	7E	1E		View
Clallam	Elevator Constructors	Mechanic	$111.26	7D	4A		View
Clallam	Elevator Constructors	Mechanic In Charge	$120.27	7D	4A		View
Clallam	Fabricated Precast Concrete Products	Journey Level	$16.28		1		View
Clallam	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$16.28		1		View
Clallam	Fence Erectors	Fence Erector	$50.07	15J	11P	8Y	View
Clallam	Fence Erectors	Fence Laborer	$50.07	15J	11P	8Y	View
Clallam	Flaggers	Journey Level	$50.07	15J	11P	8Y	View
Clallam	Glaziers	Journey Level	$79.16	7L	1Y		View
Clallam	Heat & Frost Insulators And Asbestos Workers	Journey Level	$87.15	15H	11C		View
Clallam	Heating Equipment Mechanics	Journey Level	$96.42	7F	1E		View
Clallam	Hod Carriers & Mason Tenders	Journey Level	$62.49	15J	11P	8Y	View
Clallam	Industrial Power Vacuum Cleaner	Journey Level	$16.28		1		View
Clallam	Inland Boatmen	Boat Operator	$61.41	5B	1K		View
Clallam	Inland Boatmen	Cook	$56.48	5B	1K		View
Clallam	Inland Boatmen	Deckhand	$57.48	5B	1K		View
Clallam	Inland Boatmen	Deckhand Engineer	$58.81	5B	1K		View
Clallam	Inland Boatmen	Launch Operator	$58.89	5B	1K		View
Clallam	Inland Boatmen	Mate	$57.31	5B	1K		View
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$49.48	15M	11O		View
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$49.48	15M	11O		View
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote	Grout Truck Operator	$49.48	15M	11O		View

	Control						
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$47.41	15M	11O		View
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$41.20	15M	11O		View
Clallam	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$44.31	15M	11O		View
Clallam	Insulation Applicators	Journey Level	$74.96	15J	4C		View
Clallam	Ironworkers	Journeyman	$87.80	15K	11N		View
Clallam	Laborers	Air, Gas Or Electric Vibrating Screed	$59.07	15J	11P	8Y	View
Clallam	Laborers	Airtrac Drill Operator	$60.90	15J	11P	8Y	View
Clallam	Laborers	Ballast Regular Machine	$59.07	15J	11P	8Y	View
Clallam	Laborers	Batch Weighman	$50.07	15J	11P	8Y	View
Clallam	Laborers	Brick Pavers	$59.07	15J	11P	8Y	View
Clallam	Laborers	Brush Cutter	$59.07	15J	11P	8Y	View
Clallam	Laborers	Brush Hog Feeder	$59.07	15J	11P	8Y	View
Clallam	Laborers	Burner	$59.07	15J	11P	8Y	View
Clallam	Laborers	Caisson Worker	$60.90	15J	11P	8Y	View
Clallam	Laborers	Carpenter Tender	$59.07	15J	11P	8Y	View
Clallam	Laborers	Cement Dumper-paving	$60.15	15J	11P	8Y	View
Clallam	Laborers	Cement Finisher Tender	$59.07	15J	11P	8Y	View
Clallam	Laborers	Change House Or Dry Shack	$59.07	15J	11P	8Y	View
Clallam	Laborers	Chipping Gun (30 Lbs. And Over)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Chipping Gun (Under 30 Lbs.)	$59.07	15J	11P	8Y	View
Clallam	Laborers	Choker Setter	$59.07	15J	11P	8Y	View
Clallam	Laborers	Chuck Tender	$59.07	15J	11P	8Y	View
Clallam	Laborers	Clary Power Spreader	$60.15	15J	11P	8Y	View
Clallam	Laborers	Clean-up Laborer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Concrete Dumper/Chute Operator	$60.15	15J	11P	8Y	View
Clallam	Laborers	Concrete Form Stripper	$59.07	15J	11P	8Y	View
Clallam	Laborers	Concrete Placement Crew	$60.15	15J	11P	8Y	View
Clallam	Laborers	Concrete Saw Operator/Core Driller	$60.15	15J	11P	8Y	View
Clallam	Laborers	Crusher Feeder	$50.07	15J	11P	8Y	View
Clallam	Laborers	Curing Laborer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$59.07	15J	11P	8Y	View
Clallam	Laborers	Ditch Digger	$59.07	15J	11P	8Y	View
Clallam	Laborers	Diver	$60.90	15J	11P	8Y	View
Clallam	Laborers	Drill Operator (Hydraulic, Diamond)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Dry Stack Walls	$59.07	15J	11P	8Y	View
Clallam	Laborers	Dump Person	$59.07	15J	11P	8Y	View
Clallam	Laborers	Epoxy Technician	$59.07	15J	11P	8Y	View
Clallam	Laborers	Erosion Control Worker	$59.07	15J	11P	8Y	View
Clallam	Laborers	Faller & Bucker Chain Saw	$60.15	15J	11P	8Y	View
Clallam	Laborers	Fine Graders	$59.07	15J	11P	8Y	View
Clallam	Laborers	Firewatch	$50.07	15J	11P	8Y	View
Clallam	Laborers	Form Setter	$60.15	15J	11P	8Y	View

Clallam	Laborers	Gabian Basket Builders	$59.07	15J	11P	8Y	View
Clallam	Laborers	General Laborer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Grade Checker & Transit Person	$62.49	15J	11P	8Y	View
Clallam	Laborers	Grinders	$59.07	15J	11P	8Y	View
Clallam	Laborers	Grout Machine Tender	$59.07	15J	11P	8Y	View
Clallam	Laborers	Groutmen (Pressure) Including Post Tension Beams	$60.15	15J	11P	8Y	View
Clallam	Laborers	Guardrail Erector	$59.07	15J	11P	8Y	View
Clallam	Laborers	Hazardous Waste Worker (Level A)	$60.90	15J	11P	8Y	View
Clallam	Laborers	Hazardous Waste Worker (Level B)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Hazardous Waste Worker (Level C)	$59.07	15J	11P	8Y	View
Clallam	Laborers	High Scaler	$60.90	15J	11P	8Y	View
Clallam	Laborers	Jackhammer	$60.15	15J	11P	8Y	View
Clallam	Laborers	Laserbeam Operator	$60.15	15J	11P	8Y	View
Clallam	Laborers	Maintenance Person	$59.07	15J	11P	8Y	View
Clallam	Laborers	Manhole Builder-Mudman	$60.15	15J	11P	8Y	View
Clallam	Laborers	Material Yard Person	$59.07	15J	11P	8Y	View
Clallam	Laborers	Mold Abatement Worker	$59.07	15J	11P	8Y	View
Clallam	Laborers	Motorman-Dinky Locomotive	$62.59	15J	11P	8Y	View
Clallam	Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$62.49	15J	11P	8Y	View
Clallam	Laborers	Pavement Breaker	$60.15	15J	11P	8Y	View
Clallam	Laborers	Pilot Car	$50.07	15J	11P	8Y	View
Clallam	Laborers	Pipe Layer (Lead)	$62.49	15J	11P	8Y	View
Clallam	Laborers	Pipe Layer/Tailor	$60.15	15J	11P	8Y	View
Clallam	Laborers	Pipe Pot Tender	$60.15	15J	11P	8Y	View
Clallam	Laborers	Pipe Reliner	$60.15	15J	11P	8Y	View
Clallam	Laborers	Pipe Wrapper	$60.15	15J	11P	8Y	View
Clallam	Laborers	Pot Tender	$59.07	15J	11P	8Y	View
Clallam	Laborers	Powderman	$60.90	15J	11P	8Y	View
Clallam	Laborers	Powderman's Helper	$59.07	15J	11P	8Y	View
Clallam	Laborers	Power Jacks	$60.15	15J	11P	8Y	View
Clallam	Laborers	Railroad Spike Puller - Power	$60.15	15J	11P	8Y	View
Clallam	Laborers	Raker - Asphalt	$62.49	15J	11P	8Y	View
Clallam	Laborers	Re-timberman	$60.90	15J	11P	8Y	View
Clallam	Laborers	Remote Equipment Operator	$60.15	15J	11P	8Y	View
Clallam	Laborers	Rigger/Signal Person	$60.15	15J	11P	8Y	View
Clallam	Laborers	Rip Rap Person	$59.07	15J	11P	8Y	View
Clallam	Laborers	Rivet Buster	$60.15	15J	11P	8Y	View
Clallam	Laborers	Rodder	$60.15	15J	11P	8Y	View
Clallam	Laborers	Scaffold Erector	$59.07	15J	11P	8Y	View
Clallam	Laborers	Scale Person	$59.07	15J	11P	8Y	View
Clallam	Laborers	Sloper (Over 20")	$60.15	15J	11P	8Y	View
Clallam	Laborers	Sloper Sprayer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Spreader (Concrete)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Stake Hopper	$59.07	15J	11P	8Y	View
Clallam	Laborers	Stock Piler	$59.07	15J	11P	8Y	View

Clallam	Laborers	Swinging Stage/Boatswain Chair	$50.07	15J	11P	8Y	View
Clallam	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$60.15	15J	11P	8Y	View
Clallam	Laborers	Tamper (Multiple & Self-propelled)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Toolroom Person (at Jobsite)	$59.07	15J	11P	8Y	View
Clallam	Laborers	Topper	$59.07	15J	11P	8Y	View
Clallam	Laborers	Track Laborer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Track Liner (Power)	$60.15	15J	11P	8Y	View
Clallam	Laborers	Traffic Control Laborer	$53.54	15J	11P	9C	View
Clallam	Laborers	Traffic Control Supervisor	$56.73	15J	11P	9C	View
Clallam	Laborers	Truck Spotter	$59.07	15J	11P	8Y	View
Clallam	Laborers	Tugger Operator	$60.15	15J	11P	8Y	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$175.79	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$180.82	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$184.50	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$190.20	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$192.32	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$197.42	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$199.32	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$201.32	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$203.32	15J	11P	9B	View
Clallam	Laborers	Tunnel Work-Guage and Lock Tender	$62.59	15J	11P	8Y	View
Clallam	Laborers	Tunnel Work-Miner	$62.59	15J	11P	8Y	View
Clallam	Laborers	Vibrator	$60.15	15J	11P	8Y	View
Clallam	Laborers	Vinyl Seamer	$59.07	15J	11P	8Y	View
Clallam	Laborers	Watchman	$45.51	15J	11P	8Y	View
Clallam	Laborers	Welder	$60.15	15J	11P	8Y	View
Clallam	Laborers	Well Point Laborer	$60.15	15J	11P	8Y	View
Clallam	Laborers	Window Washer/Cleaner	$45.51	15J	11P	8Y	View
Clallam	Laborers - Underground Sewer & Water	General Laborer & Topman	$59.07	15J	11P	8Y	View
Clallam	Laborers - Underground Sewer & Water	Pipe Layer	$60.15	15J	11P	8Y	View
Clallam	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$45.51	15J	11P	8Y	View
Clallam	Landscape Construction	Landscape Operator	$78.71	15J	11G	8X	View
Clallam	Landscape Maintenance	Groundskeeper	$16.28		1		View
Clallam	Lathers	Journey Level	$75.73	15O	11S		View
Clallam	Marble Setters	Journey Level	$69.07	7E	1N		View
Clallam	Metal Fabrication (In Shop)	Fitter	$16.28		1		View
Clallam	Metal Fabrication (In Shop)	Laborer	$16.28		1		View

Clallam	Metal Fabrication (In Shop)	Machine Operator	$16.28		1		View
Clallam	Metal Fabrication (In Shop)	Painter	$16.28		1		View
Clallam	Metal Fabrication (In Shop)	Welder	$16.28		1		View
Clallam	Millwright	Journey Level	$76.51	15J	4C		View
Clallam	Modular Buildings	Journey Level	$16.28		1		View
Clallam	Painters	Journey Level	$51.71	6Z	11J		View
Clallam	Pile Driver	Crew Tender	$80.82	15J	4C		View
Clallam	Pile Driver	Journey Level	$75.41	15J	4C		View
Clallam	Plasterers	Journey Level	$70.91	7Q	1R		View
Clallam	Plasterers	Nozzleman	$74.91	7Q	1R		View
Clallam	Playground & Park Equipment Installers	Journey Level	$16.28		1		View
Clallam	Plumbers & Pipefitters	Journey Level	$103.19	6Z	1G		View
Clallam	Power Equipment Operators	Asphalt Plant Operators	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Assistant Engineer	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Barrier Machine (zipper)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Batch Plant Operator: concrete	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Boat Operator	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators	Bobcat	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Brokk - Remote Demolition Equipment	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Brooms	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Bump Cutter	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Cableways	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Chipper	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Compressor	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Concrete Finish Machine - Laser Screed	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Conveyors	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Cranes Friction: 200 tons and over	$82.49	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes, A-frame: 10 tons and under	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$80.86	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$79.35	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$81.69	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$82.49	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$81.69	7A	11H	8X	View

Clallam	Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators	Crusher	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Deck Engineer/Deck Winches (power)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Derricks, On Building Work	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Dozers D-9 & Under	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Drilling Machine	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Gradechecker/Stakeman	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Guardrail Punch	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Horizontal/Directional Drill Locator	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Horizontal/Directional Drill Operator	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators	Leverman	$81.65	15J	11G	8X	View
Clallam	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Loaders, Plant Feed	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Loaders: Elevating Type Belt	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Locomotives, All	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Material Transfer Device	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators	Motor Patrol Graders	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$79.35	7A	11H	8X	View

Clallam	Power Equipment Operators	Overhead, bridge type: 100 tons and over	$80.86	7A	11H	8X	View
Clallam	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators	Pavement Breaker	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Posthole Digger, Mechanical	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Power Plant	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Pumps - Water	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Rigger and Bellman	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators	Rollagon	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Roller, Other Than Plant Mix	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Roto-mill, Roto-grinder	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Saws - Concrete	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Scrapers - Concrete & Carry All	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Service Engineers: Equipment	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Shotcrete/Gunite Equipment	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$81.65	15J	11G	8X	View
Clallam	Power Equipment Operators	Slipform Pavers	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Spreader, Topsider & Screedman	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Subgrader Trimmer	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Tower Bucket Elevators	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$81.69	7A	11H	8X	View
Clallam	Power Equipment Operators	Tower crane: up to 175' in height base to boom	$80.86	7A	11H	8X	View
Clallam	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$82.49	7A	11H	8X	View

Clallam	Power Equipment Operators	Transporters, All Track Or Truck Type	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Trenching Machines	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$79.35	7A	11H	8X	View
Clallam	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators	Truck Mount Portable Conveyor	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators	Welder	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators	Wheel Tractors, Farmall Type	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators	Yo Yo Pay Dozer	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Boat Operator	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Bobcat	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Brooms	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cableways	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Chipper	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Compressor	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Conveyors	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$82.49	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$80.86	7A	11H	8X	View

Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$79.35	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$81.69	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$82.49	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$81.69	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Crusher	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Gradechecker/Stakeman	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Locator	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Operator	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Leverman	$81.65	15J	11G	8X	View

Clallam	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$79.35	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$80.86	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$80.05	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Power Plant	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	$75.29	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Rollagon	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$75.26	15J	11G	8X	View

Clallam	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$80.82	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$81.65	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$81.69	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$80.86	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$82.49	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$78.71	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$79.35	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$78.74	7A	11H	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$79.31	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Welder	$80.02	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$75.26	15J	11G	8X	View
Clallam	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$79.31	15J	11G	8X	View

Clallam	Power Line Clearance Tree Trimmers	Journey Level In Charge	$57.22	5A	4A		View
Clallam	Power Line Clearance Tree Trimmers	Spray Person	$54.32	5A	4A		View
Clallam	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$57.22	5A	4A		View
Clallam	Power Line Clearance Tree Trimmers	Tree Trimmer	$51.18	5A	4A		View
Clallam	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$38.99	5A	4A		View
Clallam	Refrigeration & Air Conditioning Mechanics	Journey Level	$95.89	6Z	1G		View
Clallam	Residential Brick Mason	Journey Level	$69.07	7E	1N		View
Clallam	Residential Carpenters	Journey Level	$74.96	15J	4C		View
Clallam	Residential Cement Masons	Journey Level	$59.07	15J	11P	8Y	View
Clallam	Residential Drywall Applicators	Journey Level	$49.92	15J	4C		View
Clallam	Residential Drywall Tapers	Journey Level	$39.13		1		View
Clallam	Residential Electricians	Journey Level	$39.64		1		View
Clallam	Residential Glaziers	Journey Level	$20.00		1		View
Clallam	Residential Insulation Applicators	Journey Level	$16.28		1		View
Clallam	Residential Laborers	Journey Level	$20.00		1		View
Clallam	Residential Marble Setters	Journey Level	$69.07	7E	1N		View
Clallam	Residential Painters	Journey Level	$51.71	6Z	11J		View
Clallam	Residential Plumbers & Pipefitters	Journey Level	$60.50	5A	1G		View
Clallam	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$60.50	5A	1G		View
Clallam	Residential Sheet Metal Workers	Journey Level	$24.80		1		View
Clallam	Residential Soft Floor Layers	Journey Level	$20.00		1		View
Clallam	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$28.72		1		View
Clallam	Residential Stone Masons	Journey Level	$69.07	7E	1N		View
Clallam	Residential Terrazzo Workers	Journey Level	$16.28		1		View
Clallam	Residential Terrazzo/Tile Finishers	Journey Level	$16.28		1		View
Clallam	Residential Tile Setters	Journey Level	$20.79		1		View
Clallam	Roofers	Journey Level	$64.45	5A	3H		View
Clallam	Roofers	Using Irritable Bituminous Materials	$67.39	5A	3H		View
Clallam	Sheet Metal Workers	Journey Level (Field or Shop)	$96.42	7F	1E		View
Clallam	Shipbuilding & Ship Repair	New Construction Boilermaker	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Crane Operator	$43.16	7V	1		View
Clallam	Shipbuilding & Ship Repair	New Construction Electrician	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$87.15	15H	11C		View
Clallam	Shipbuilding & Ship Repair	New Construction Laborer	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Machinist	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Operating Engineer	$43.16	7V	1		View
Clallam	Shipbuilding & Ship Repair	New Construction Painter	$51.95	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Pipefitter	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Rigger	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Sheet Metal	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	7X	4J		View

Clallam	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$43.16	7V	1		View
Clallam	Shipbuilding & Ship Repair	New Construction Welder / Burner	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Boilermaker	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	7Y	4K		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Electrician	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$87.15	15H	11C		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Laborer	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Machinist	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	7Y	4K		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Painter	$51.95	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Pipefitter	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Rigger	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	7X	4J		View
Clallam	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	7Y	4K		View
Clallam	Sign Makers & Installers (Electrical)	Journey Level	$58.04	0	1		View
Clallam	Sign Makers & Installers (Non-Electrical)	Journey Level	$37.08	0	1		View
Clallam	Soft Floor Layers	Journey Level	$66.32	15J	4C		View
Clallam	Solar Controls For Windows	Journey Level	$16.28		1		View
Clallam	Sprinkler Fitters (Fire Protection)	Journey Level	$73.15	7J	1R		View
Clallam	Stage Rigging Mechanics (Non Structural)	Journey Level	$16.28		1		View
Clallam	Stone Masons	Journey Level	$69.07	7E	1N		View
Clallam	Street And Parking Lot Sweeper Workers	Journey Level	$16.28		1		View
Clallam	Surveyors	Assistant Construction Site Surveyor	$78.74	7A	11H	8X	View
Clallam	Surveyors	Chainman	$75.29	7A	11H	8X	View
Clallam	Surveyors	Construction Site Surveyor	$80.05	7A	11H	8X	View
Clallam	Surveyors	Drone Operator (when used in conjunction with survey work only)	$75.29	7A	11H	8X	View
Clallam	Surveyors	Ground Penetrating Radar Operator	$75.29	7A	11H	8X	View
Clallam	Telecommunication Technicians	Journey Level	$65.66	7E	1E		View
Clallam	Telephone Line Construction - Outside	Cable Splicer	$40.36	5A	2B		View
Clallam	Telephone Line Construction - Outside	Hole Digger/Ground Person	$26.92	5A	2B		View
Clallam	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$33.74	5A	2B		View
Clallam	Telephone Line Construction - Outside	Telephone Lineperson	$38.15	5A	2B		View
Clallam	Terrazzo Workers	Journey Level	$62.36	7E	1N		View
Clallam	Tile Setters	Journey Level	$62.36	7E	1N		View
Clallam	Tile, Marble & Terrazzo Finishers	Finisher	$53.19	7E	1N		View
Clallam	Traffic Control Stripers	Journey Level	$89.54	15L	1K		View
Clallam	Truck Drivers	Asphalt Mix Over 16 Yards	$74.20	15J	11M	8L	View
Clallam	Truck Drivers	Asphalt Mix To 16 Yards	$73.36	15J	11M	8L	View
Clallam	Truck Drivers	Dump Truck	$73.36	15J	11M	8L	View
Clallam	Truck Drivers	Dump Truck & Trailer	$74.20	15J	11M	8L	View
Clallam	Truck Drivers	Other Trucks	$74.20	15J	11M	8L	View

Clallam	Truck Drivers - Ready Mix	Transit Mix	$74.20	15J	11M	8L	View
Clallam	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$16.28		1		View
Clallam	Well Drillers & Irrigation Pump Installers	Oiler	$16.28		1		View
Clallam	Well Drillers & Irrigation Pump Installers	Well Driller	$16.28		1		View

Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.

2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.

3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.

4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.

5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.

6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

WSDOT's
Predetermined List for
Suppliers - Manufactures - Fabricator

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

	ITEM DESCRIPTION	YES	NO
1.	Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2.	Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3.	Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6.	Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7.	Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

	ITEM DESCRIPTION	YES	NO
8.	Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9.	Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10.	Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11.	Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12.	Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13.	Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14.	Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15.	Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16.	Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
17.	Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18.	Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19.	Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20.	Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21.	Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22.	Vault Risers - For use with Valve Vaults and Utilities X Vaults.		X
23.	Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24.	Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25.	Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26.	Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

	ITEM DESCRIPTION	YES	NO
27.	Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28.	12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29.	Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A .	X	
30.	Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31.	Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32.	Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33.	Monument Case and Cover See Std. Plan.		X

	ITEM DESCRIPTION	YES	NO
34.	Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35.	Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36.	Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37.	Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38.	Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39.	Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.	X	
40.	Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
42.	Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. **NOTE:** *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	X	X
		Custom Message	Std Signing Message
43.	Cutting & bending reinforcing steel		X
44.	Guardrail components	X	X
		Custom End Sec	Standard Sec
45.	Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46.	Asphalt	Covered by WAC 296-127-018	
47.	Fiber fabrics		X
48.	Electrical wiring/components		X
49.	treated or untreated timber pile		X
50.	Girder pads (elastomeric bearing)	X	
51.	Standard Dimension lumber		X
52.	Irrigation components		X

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW 39.12.010
(The definition of "locality" in RCW 39.12.010(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.
The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.
When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.,) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

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Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.

W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.

Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.

Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.

   M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

   R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.

   J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

   K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage

C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:
On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.

S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).

All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus $2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).

U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

Overtime Codes Continued

11. D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.

H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

Overtime Codes Continued

11. J. All hours worked on holidays shall be paid at double the hourly rate of wage.

K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.

L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar ($2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.

Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars ($2.00) per hour.

N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.

Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.

O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Overtime Codes Continued

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Q. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

R On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

S. The first ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.

All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).

L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).

N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.

Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).

S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

Holiday Codes Continued

7. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.

X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.

Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.

Holiday Codes Continued

7. Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: $1.00, Levels C & D: $0.50.

N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: $2.00, Class B Suit: $1.50, And Class C Suit: $1.00. Workers performing underground work receive an additional $0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional $0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional $0.50 per hour.

V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25’ to 300’ - $1.00 per foot from entrance. 300’ to 600’ - $1.50 per foot beginning at 300’. Over 600’ - $2.00 per foot beginning at 600’.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

Note Codes Continued

X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: $2.00, Class B Suit: $1.50, Class C Suit: $1.00, and Class D Suit: $0.50. Special Shift Premium: Basic hourly rate plus $2.00 per hour.

When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Z. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

9. A. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130’ to 199’ – $0.50 per hour over their classification rate.
(B) – 200’ to 299’ – $0.80 per hour over their classification rate.
(C) – 300’ and over – $1.00 per hour over their classification rate.

Note Codes Continued

B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

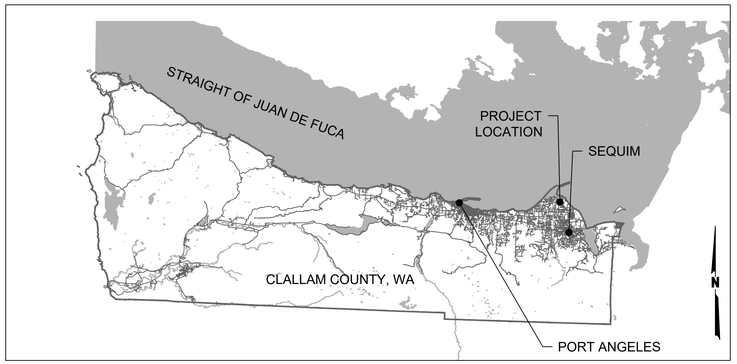
9. E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

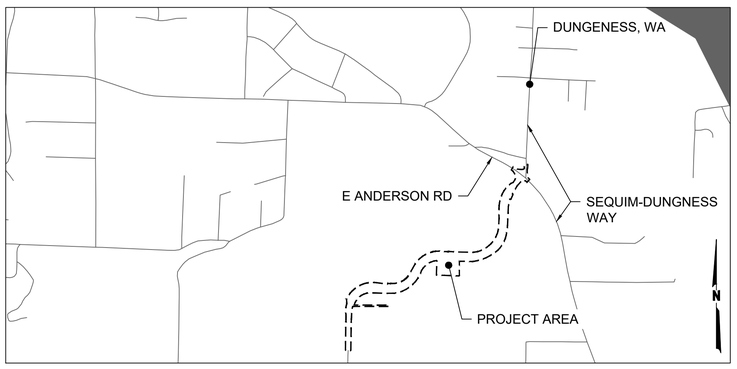
H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

CLALLAM COUNTY

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT
PHASE 3 - 2024 CONSTRUCTION



LOCATION MAP
(NOT TO SCALE)



VICINITY MAP
(NOT TO SCALE)

SHEET NUMBER	SHEET TITLE
C-101	COVER SHEET
C-102	GENERAL NOTES
C-103	SURVEY CONTROL
C-104	EXISTING CONDITIONS
C-105	SITE PLAN
C-106	TRAFFIC CONTROL PLAN
C-107	TESC PLAN
C-108	DEMOLITION PLAN
C-109	EXISTING CONDITION TYPICAL SECTIONS
C-110	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 1
C-111	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 2
C-112	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 3
C-113	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 4
C-114	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 5
C-115	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 6
C-116	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 7
C-117	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 8
C-118	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 9
C-119	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 10
C-120	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 11
C-121	TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 12
C-122	SHULTS DRIVEWAY ENTRANCE PAVING PLAN
C-123	SEQUIM-DUNGENESS ROAD PLAN AND PROFILE SHEET
C-124	INTERSECTION WEST CURB RETURN PLAN AND PROFILE
C-125	INTERSECTION EAST CURB RETURN PLAN AND PROFILE
C-126	INTERSECTION NORTH CURB RETURN PLAN AND PROFILE
C-127	INTERSECTION SOUTH CURB RETURN PLAN AND PROFILE
C-128	TOWNE ROAD TYPICAL SECTIONS SHEET
C-129	TOWNE ROAD TYPICAL SECTIONS SHEET
C-130	TRAFFIC BARRIER AND MOMENT SLAB 01 PLAN AND ELEVATION
C-131	TRAFFIC BARRIER AND MOMENT SLAB 02 PLAN AND ELEVATION
C-132	TRAFFIC BARRIER AND MOMENT SLAB DETAILS TYPICAL SECTION
C-133	TRAFFIC BARRIER AND MOMENT SLAB DETAILS SHEET 1
C-134	TRAFFIC BARRIER AND MOMENT SLAB DETAILS SHEET 2
C-135	TOWNE ROAD AND LEVEE DRAINAGE PLAN SHEET 1
C-136	TOWNE ROAD AND LEVEE DRAINAGE PLAN SHEET 2
C-137	TOWNE ROAD AND LEVEE DRAINAGE PLAN SHEET 3
C-138	TOWNE ROAD AND LEVEE DRAINAGE PLAN SHEET 4
C-139	DRAINAGE DETAILS SHEET 1
C-140	DRAINAGE DETAILS SHEET 2
C-141	SEEDING PLAN
C-142	MISC DETAILS (1)
C-143	MISC DETAILS (2)

Geotechnical and Environmental Consultants
SHANNON & WILSON, INC.
400 North 34th Street, Suite 100
P.O. Box 300303
Seattle, Washington 98103
(206) 632-8020 FAX: (206) 633-6777

CLALLAM COUNTY

JOE DONISI PE, COUNTY ENGINEER

BOARD OF CLALLAM COUNTY COMMISSIONERS

MIKE FRENCH, CHAIR

RANDY JOHNSON, MEMBER

MARK OZIAS, MEMBER

REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

GLENN BRIAN KAYS — STATE OF WASHINGTON — 45234 — REGISTERED PROFESSIONAL ENGINEER — 04/05/2024

DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D
ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
PHASE NO.: PHASE 3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

COVER SHEET

SHEET ID
C-101

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS LISTED IN ORDER OF PRECEDENCE: 1) APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND PERMITS, 2) THE CONTRACT GENERAL CONDITIONS AND SPECIAL PROVISIONS (SPECIFICATIONS), 3) THE CONTRACT PLANS (PLANS), AND 4) THE WSDOT STANDARD PLANS FOR CONSTRUCTION OF ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, CURRENT EDITION (STANDARD PLANS). ALL WORK SHALL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF CLALLAM COUNTY (COUNTY).
2. THE ENGINEER RESPONSIBLE FOR PREPARATION OF THE PLANS AND SPECIFICATIONS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE DOCUMENTS. ALL CHANGES TO THE PLANS AND SPECIFICATIONS MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER RESPONSIBLE FOR THEIR PREPARATION.
3. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREES THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS IN ACCORDANCE WITH THE PROVISIONS OUTLINED BY THE PROJECT CONTRACT.
4. THE CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT AND REPAIR IMPACTS TO EXISTING STRUCTURES INCLUDING ROADWAYS, DRAINAGES, FARM STRUCTURES, AND VEGETATION UNLESS SUCH ITEMS ARE TO BE DISTURBED OR REMOVED AS INDICATED IN THE PLANS AND SPECIFICATIONS.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PROJECT SITE PRIOR TO SUBMITTING A BID PROPOSAL. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, SUCH AS THE NATURE AND LOCATION OF THE WORK AND THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE AFFECTING THE AVAILABILITY OF TRANSPORTATION, THE DISPOSAL, HANDLING, AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRICITY, ROADS, THE UNCERTAINTIES OF WEATHER, THE CONDITIONS OF THE GROUND, SURFACE AND SUBSURFACE MATERIALS, THE EQUIPMENT AND FACILITIES NEEDED PRIMARILY FOR AND DURING THE PERFORMANCE OF THE WORK, AND THE COSTS THEREOF. ANY FAILURE BY THE CONTRACTOR AND SUBCONTRACTOR(S) TO ACQUAINT THEMSELVES WITH ALL THE AVAILABLE INFORMATION WILL NOT RELIEVE THEM FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN ELECTRICITY, COMMUNICATIONS, WATER, WASTE HANDLING, AND SANITARY FACILITIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF ALL EQUIPMENT AND MATERIALS.
8. CONSTRUCTION LIMITS SHOWN ON THE PLANS DELINEATE BOUNDARIES FOR THE CONTRACTOR'S OPERATIONS. WITHIN THE CONSTRUCTION LIMITS, EXISTING VEGETATION SHALL BE PROTECTED TO THE EXTENT FEASIBLE. ALL EXISTING TREES LARGER THAN 6" DBH SHALL BE PROTECTED UNLESS SHOWN ON THE PLANS TO BE REMOVED.
9. THE CONTRACTOR SHALL PERFORM EXCAVATION IN A SAFE CONDITION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR SHORING, SHEETING, BRACING, BENCHING, DEWATERING AND ALL NECESSARY PROTECTIVE MEASURES TO PREVENT DAMAGE TO ADJACENT PROPERTIES, STRUCTURES OR UTILITIES.
10. PLANS ARE INTENDED TO SHOW FINAL SITE CONDITIONS. MODIFICATIONS MAY BE REQUIRED. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY BRING THE CONDITION TO THE ATTENTION OF THE ENGINEER SO THAT PROPER ADJUSTMENTS CAN BE MADE PRIOR TO THE INSTALLATION OF THE FACILITIES.
11. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS OF PROJECT PERMITS. THE CONTRACTOR IS RESPONSIBLE TO SECURE APPLICABLE PERMITS AND LICENSES THAT HAVE NOT BEEN PROVIDED BY THE OWNER.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING TEMPORARY EROSION CONTROL AND POLLUTION PREVENTION MEASURES. THE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL REGULATIONS, PROJECT PERMITS, AND THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL HAVE AN EMERGENCY SPILL KIT ONSITE AT ALL TIMES.
13. THE CONTRACTOR SHALL WATER THE SITE, AS NECESSARY, TO REDUCE DUST EMISSIONS FROM CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ALSO SWEEP ALL AFFECTED PUBLIC ROADS, AS NECESSARY, TO REMOVE DIRT, DUST, OR OTHER DEBRIS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY TRAFFIC CONTROL AS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH THE APPROVED TRAFFIC CONTROL PLAN.
15. ALL TRASH, RUBBLE, ASPHALT, CONCRETE, DEBRIS AND BURIED DEBRIS, WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE REMOVED AND DISPOSED OF OFFSITE BY THE CONTRACTOR.
16. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, OR AS SHOWN ON THE PLANS.

SURVEY NOTES

1. SURVEY AND BASEMAPPING WAS PERFORMED BY JOHNSTON LAND SURVEYING OF PORT ANGELES, WA.
2. HORIZONTAL DATUM IS WASHINGTON STATE PLANE, NORTH ZONE, NAD83/11 (U.S. FEET).
3. VERTICAL DATUM IS NAVD88 (U.S. FEET)
4. UNLESS NOTED OTHERWISE ON THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS DURING CONSTRUCTION. ANY DAMAGE TO SURVEY MARKERS AND MONUMENTS IS THE RESPONSIBILITY OF CONTRACTOR TO REPAIR.

NAVD88

UTILITY NOTES

1. CONTRACTOR SHALL COORDINATE WITH UTILITIES TO PROVIDE POLE HOLDS AND ENACT PROTECTION MEASURES FOR WORKING AROUND EXISTING FACILITIES.
2. THE LOCATIONS AND EXTENTS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT NECESSARILY COMPLETE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE EXISTING UTILITIES BASED UPON AVAILABLE RECORDS & SURVEYS. THE CONTRACTOR SHALL DETERMINE THE TYPE, LOCATION, SIZE, AND/OR DEPTH OF THE EXISTING UTILITIES WITHIN THE WORK AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE UTILITIES UNDERGROUND LOCATION CENTER AT (800) 424-5555 OR 811 AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
3. AT NO TIME SHALL THE CONTRACTOR INTERRUPT THE OPERATION OF ANY UTILITIES WITHOUT PRIOR APPROVAL FROM THE UTILITY OWNERS. APPROVAL SHALL BE REQUESTED AT LEAST 48 HOURS IN ADVANCE OF THE TIME THAT THE INTERRUPTION OF THE SYSTEM IS REQUIRED.
4. ELECTRIC: CLALLAM COUNTY PUD (360)-565-357
5. COMMUNICATIONS: CENTURY LINK (360)-417-2174

1-800-424-5555

GEOTECHNICAL NOTES

1. FOR GEOTECHNICAL EXPLORATION INFORMATION REFER TO THE GEOTECHNICAL AND HYDROGEOLOGIC DATA REPORT PREPARED BY SHANNON & WILSON, INC. FOR CLALLAM COUNTY, MARCH 22, 2022.

ABBREVIATIONS

ABV	ABOVE
AC	ACRE
ADJ	ADJACENT, ADJOINING, ADJUSTABLE
AGGR	AGGREGATE
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPD	APPROVED
APPROX	APPROXIMATE
APN	ASSESSOR'S PARCEL NUMBER
ASPH	ASPHALT
AUTO	AUTOMATIC
AVG	AVERAGE
BDRY	BOUNDARY
BITUM	BITUMINOUS
BLDG	BUILDING
BLDR	BOULDER
BLW	BELOW
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
BOT	BOTTOM
BTWN	BETWEEN
BVC	BEGIN VERTICAL CURVE
BW	BOTH WAYS
CAVFS	COMPOST AMENDMENT VEGETATED FILTER STRIP
CAP	CAPACITY
CB	CATCH BASIN
CEM	CEMENT
CFS	CUBIC FEET PER SECOND
CHK	CHECK
CIP	CAST-IN-PLACE
CIRC	CIRCULAR
CL	CENTER LINE
CLF	CONSTRUCTION LIMIT FENCE
CLL	CONSTRUCTION LIMIT LINE
CLR	CLEAR(ANCE)
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CND	CONDUIT
CNR	CORNER
CO	COUNTY
COM	COMMON
COMM	COMMUNICATIONS
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUE
CONTR	CONTRACTOR
COV	COVER
CPE	CORRUGATED POLYETHYLENE PIPE
CRCMF	CIRCUMFERENCE
CSBC	CRUSHED SURFACE BASE COURSE
CSTC	CRUSHED SURFACE TOP COURSE
CTR	CENTER
CF	CUBIC FEET
CY	CUBIC YARDS
DAT	DATUM
DBH	DIAMETER BREAST HEIGHT
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLITION
DEPR	DEPRESSION
DEPT	DEPARTMENT
DET	DETAIL
DI	DRAINAGE INLET
DIAM OR Ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIV	DIVISION
DN	DOWN
DR	DRIVE
DWG	DRAWING
E	EAST
EA	EACH
EC	EROSION CONTROL
EG	EXISTING GRADE
EL OR ELEV	ELEVATION - GRADE OR BUILDING
ELEC	ELECTRIC
EQ	EQUAL
EQUIP	EQUIPMENT
ELJ	ENGINEERED LOG JAM
EST	ESTIMATE(D)
EVC	END VERTICAL CURVE
EXC	EXCAVATE
EXST	EXISTING
FDTN	FOUNDATION
FF	FILTER FENCE
FG	FINISHED GRADE
FIG	FIGURE
FIN	FINISH
FIN FLR	FINISH FLOOR
FL	FLOWLINE
FN	FENCE
FT OR '	FEET
G	GROUND
GOVT	GOVERNMENT
HMA	HOT MIX ASPHALT
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HVF	HIGH VISIBILITY FENCE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN OR "	INCH
INCL	INCLUDED
J-BOX	JUNCTION BOX
KIP	KILOPOUND (1000 POUNDS)
LB	POUND
LBL	LABEL
LF	LINEAR FEET
LVC	LENGTH VERTICAL CURVE
LWD	LARGE WOODY DEBRIS
LWM	LARGE WOODY MATERIAL
LT	LEFT
MATL	MATERIAL(S)
MAX	MAXIMUM
MED	MEDIUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOD.	MODIFIED
N	NORTH
NAT	NATURAL
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
P1	PHASE 1
P2	PHASE 2
PP	POWER/UTILITY POLE
PC	PIECE
PCC	POINT OF COMPOUND CURVATURE
PCF	POUNDS PER CUBIC FOOT
PE	POLYETHYLENE
PERIM	PERIMETER
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PLF	POUNDS PER LINEAR FOOT
PRC	POINT OF REVERSE CURVATURE
PREFAB	PREFABRICATE(D)
PRKG	PARKING
PROJ	PROJECT
PROP	PROPOSED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PV	PAVED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVI	POINT OF VERTICAL INTERSECTION
QTY	QUANTITY
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
RW	ROADWAD
S	SOUTH
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SEQ	SEQUENCE
SEW	STRUCTURAL EARTH WALL
SF	SQUARE FEET
SHLDR	SHOULDER
SHT	SHEET
SIM	SIMILAR
SP	SETTLEMENT PLATE
SPCL	SPECIAL
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
SYMM	SYMMETRICAL
TBR	TO BE REMOVED
TCP	TRAFFIC CONTROL PLAN
TEL	TELEPHONE
TEMP	TEMPORARY
TESC	TEMPORARY EROSION & SEDIMENT CONTROL
THK	THICK(NESS)
TOL	TOLERANCE
TOPO	TOPOGRAPHY
TYP	TYPICAL
U	UNKNOWN
UG	UNDERGROUND
USACE	U.S. ARMY CORPS OF ENGINEERS
UTIL	UTILITY
VERT	VERTICAL
VOL	VOLUME
W	WEST
W/	WITH
WA	WASHINGTON
WD	WOOD
WDFW	WASHINGTON STATE DEPARTMENT OF FISH & WILDLIFE
WDOE	WASHINGTON STATE DEPARTMENT OF ECOLOGY
WL	WETLAND
W/O	WITHOUT
WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
WT	WEIGHT
WTH	WIDTH
YD	YARD

LEGEND

*NOTE: LEGEND PROVIDED ON SHEETS SUPERCEDES THIS LEGEND

EXISTING

- MAJOR CONTOUR
- MINOR CONTOUR
- PROJECT BOUNDARY
- PROPERTY/RIGHT OF WAY BOUNDARY
- C/E — EASEMENT BOUNDARY
- OHW — ORDINARY HIGH WATER MARK
- WL / WC — WETLAND
- EW — EDGE OF WATER
- E — ELECTRIC
- COMM — COMMUNICATIONS
- X — FENCE
- BUILDING
- CP — CULVERT
- ACCESS GATE
- SURVEY CONTROL POINT
- GEOTECHNICAL BORING OR PROBE
- SIGN
- POWER POLE
- JUNCTION BOX
- MAILBOX
- SETTLEMENT PLATE
- CRUSHED SURFACING BASE COURSE (CSBC)
- EXISTING RIPRAP
- COUNTY PLANTED AREA
- EXISTING QUARRY SPALLS

PROPOSED

- MAJOR CONTOUR
- MINOR CONTOUR
- CONSTRUCTION LIMIT LINE
- WATTLE — STRAW WATTLE
- GUARDRAIL
- GATE
- SIGN
- EROSION CONTROL SEEDING
- WETLAND EMERGENT SEEDING
- COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)
- PROPOSED CSTC SURFACING

SHEET SYMBOLS

- S1 / 1 — REFERENCE TO KEY NOTE APPEARING ON SAME SHEET
- 1 / C-524 — DETAIL DESIGNATION; SHEET DETAIL IS LOCATED ON
- 1 / C-524 — SECTION DESIGNATION; SHEET SECTION IS LOCATED ON

REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

STATE OF WASHINGTON — BRIAN KAYS — 45234 — REGISTERED PROFESSIONAL ENGINEER — 04/05/2024

DESIGNED BY: G. KAYS
DRAWN BY: AL PICCIONI
CHECKED BY: J. RANDOLPH
ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
SUBMITTED BY: G. KAYS
PHASE NO.: PHASE 3
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

GENERAL NOTES ABBREVIATIONS & LEGEND

SHEET ID
C-102

NOTES

1. SURVEY INFORMATION PROVIDED BY ROB JOHNSTON. THIS SURVEY USES THE SECTION SUBDIVISION PER THE CLALLAM COUNTY GEOMETRIC FRAMEWORK (CCGF) SURVEY SHOWN ON VOLUME 40 OF SURVEYS, PAGE 43 AND IS BASED ON THE WASHINGTON COORDINATE SYSTEM GRID, NORTH ZONE, NAD 83(91) AND THE NORTH AMERICAN VERTICAL DATUM OF 1988 PER TIES TO GEOMPT NUMBERS 03313160, 04300121, 04312571, 04313616, 04313619, 04313636 AND 04313681 AS SHOWN ON SAID SURVEY. ALL BEARINGS ARE RELATIVE TO SAID GRID. ALL DISTANCES ARE REDUCED TO SAID GRID USING A COMBINED SCALE FACTOR OF 0.9999449. TO OBTAIN GROUND DISTANCES, MULTIPLY DISTANCES SHOWN HEREON BY 1.0000551.

2. ADDITIONAL EXTERIOR BOUNDARY AND INTERIOR PROPERTY CORNER MONUMENTS EXIST WITHIN THE PROJECT SITE. BASED ON CURRENT IMPROVEMENT DESIGN, THOSE MONUMENTS ARE NOT IN DANGER OF BEING DESTROYED. IF FUTURE DESIGN REVISIONS MAY IMPACT ANY ADDITIONAL MONUMENTS, THEY SHALL BE SURVEYED AND INCLUDED IN A MONUMENT DESTRUCTION APPLICATION (CHAPTER 332-120 WAC).

3. THE SHULTS' PROPERTY IS LOCATED IN GOVERNMENT LOTS (GL) 1 & 2 AND IS DESCRIBED BY METES AND BOUNDS. IT IS SUBJECT TO "... RIGHT OF WAY FOR COUNTY ROAD KNOWN AS TOWNE ROAD ALONG THE WESTERLY BOUNDARY". TOWNE ROAD HAS NO FORMAL ROW ABUTTING THE SHULTS PROPERTY AND THE CENTERLINE OF PAVED ROAD SURFACE LIES 23'-28' WEST OF GL 1 & 2 (SEE RCW 36.86.010).

AS A COUNTY CONDITION OF THE 1996 LARGE LOT SUBDIVISION (LLS) ABUTTING THE SHULTS SOUTH LINE, BARBARA STILL WAS REQUIRED TO DEDICATE A PORTION OF HER WEST 30 FEET TO THE PUBLIC FOR ROAD PURPOSES.

THE STATE ACQUIRED A PORTION OF THE SHULTS PROPERTY IN JULY, 2013 BY CLALLAM COUNTY SUPERIOR COURT STIPULATED JUDGMENT AND APPROPRIATION 13-9-00680-2. THE ISSUE ARISES AS THE LEGAL DESCRIPTION BEGINS AT THE NE CORNER OF THE ABOVE-MENTIONED DEDICATED STRIP, THEN PROCEEDS NORTH, THEN SOUTHEASTERLY AS SHOWN HEREON. THIS LEAVES A STRIP OF LAND LYING BETWEEN THE WEST LINE OF GL 1 & 2 AND THE WEST LINE OF THE STATE PROPERTY.

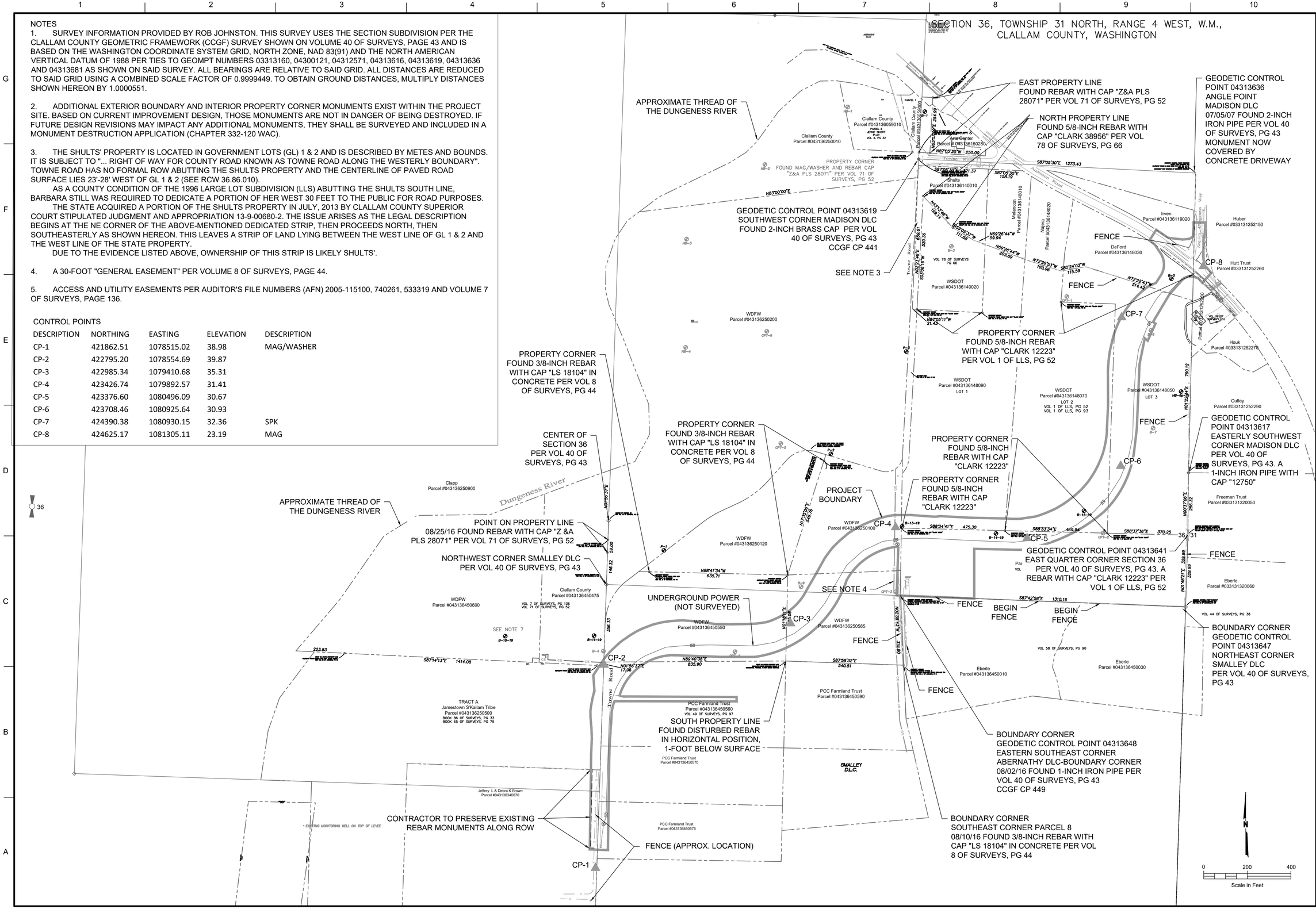
DUE TO THE EVIDENCE LISTED ABOVE, OWNERSHIP OF THIS STRIP IS LIKELY SHULTS'.

4. A 30-FOOT "GENERAL EASEMENT" PER VOLUME 8 OF SURVEYS, PAGE 44.

5. ACCESS AND UTILITY EASEMENTS PER AUDITOR'S FILE NUMBERS (AFN) 2005-115100, 740261, 533319 AND VOLUME 7 OF SURVEYS, PAGE 136.

CONTROL POINTS

DESCRIPTION	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP-1	421862.51	1078515.02	38.98	MAG/WASHER
CP-2	422795.20	1078554.69	39.87	
CP-3	422985.34	1079410.68	35.31	
CP-4	423426.74	1079892.57	31.41	
CP-5	423376.60	1080496.09	30.67	
CP-6	423708.46	1080925.64	30.93	
CP-7	424390.38	1080930.15	32.36	SPK
CP-8	424625.17	1081305.11	23.19	MAG



CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

REV	DATE	DESCRIPTION

BRIAN C. KAYS, STATE OF WASHINGTON, 45234, REGISTERED PROFESSIONAL ENGINEER, 03/26/2024

ISSUE DATE: MARCH 2024
DESIGNED BY: R. JOHNSTON
DRAWN BY: A. PICCINI
CHECKED BY: J. RANCH
SUBMITTED BY: G. KAYS
SIZE: ANSI D
CONTRACT NO.: 522013
PHASE NO.: PHASE 3

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

SURVEY CONTROL

SHEET ID
C-103

NOTES

1. UTILITIES SHOWN HEREON ARE A COMBINATION OF ABOVE-GROUND OBSERVATIONS, FILES PROVIDED BY CALLLAM COUNTY PUD, AND UTILITY LOCATE ORDER NO. 16236791 MARKED BY APPLIED PROFESSIONAL SERVICES ON JULY 26, 2016. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE AND POSSIBLY INCOMPLETE.

2. THIS 2-FOOT CONTOUR INTERVAL TOPOGRAPHIC MAP IS BASED ON FIELD MAPPING DATA COMPILED BY FOUR DIFFERENT PUBLIC AND PRIVATE SURVEYING ENTITIES: CLALLAM COUNTY IN 2010, JOHNSTON LAND SURVEYING IN 2016-2024, NORTHWESTERN TERRITORIES, INC. IN 2011, THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION IN 2011 AND DESIGN/CONSTRUCTION TOPOGRAPHIC INFORMATION FROM 2022 CONSTRUCTION. THIS 2010-2011 ELEVATION DATA OVERLAPPED IN MULTIPLE PLACES. THIS DATA WAS COMPARED AND SPOT CHECKED BY THIS OFFICE AND WAS FOUND TO BE WITHIN THE UNITED STATES NATIONAL MAP ACCURACY STANDARDS FOR 1-FOOT CONTOUR MAPS.

3. THIS TOPOGRAPHIC SURVEY COMPLIES WITH W.A.C. 332-130-100 AND WAS ACCOMPLISHED BY FIELD TRAVERSE METHODS USING A TOPCON GPT 9001A 1-SECOND ROBOTIC TOTAL STATION CALIBRATED AT THE CLALLAM COUNTY BASELINE ON SEPTEMBER 17, 2015. REAL-TIME KINEMATICS (RTK) GPS OBSERVATIONS WERE ALSO EMPLOYED USING A TOPCON GRS-1 NETWORK ROVER VIA THE WASHINGTON STATE REFERENCE NETWORK. THESE OBSERVATIONS WERE CHECKED TO TERRESTRIAL TRAVERSE CONTROL POINTS BEFORE AND AFTER EACH SESSION.

4. TOPOGRAPHY DEPICTED OUTSIDE OF THE LIMITS OF 2-FOOT CONTOUR INTERVAL TOPOGRAPHIC MAPPING IS BASED ON 2016 LIGHT DETECTION AND RANGING (LIDAR) DATA COLLECTED IN 2016 BY THE PUGET SOUND LIDAR CONSORTIUM (PSLC).

5. LEVEE ACCESS GATES ARE 12FT OPENINGS.

6. TOWNE ROAD HAS BEEN REMOVED BETWEEN THE NORTH LEVEE AND NEW TOWNE ROAD LEVEE AND IS NOT AVAILABLE FOR CONTRACTOR USE. THE NEW TOWNE ROAD ALIGNMENT/LEVEE IS CURRENTLY CLOSED TO PUBLIC VEHICULAR TRAFFIC.

LEGEND

- MAJOR CONTOUR (10')
- MINOR CONTOUR (2')
- PROJECT BOUNDARY
- FENCE
- UNDERGROUND COMMUNICATIONS
- OVERHEAD POWER
- ORDINARY HIGH WATER MARK
- STAKED ROW
- CRUSHED SURFACING BASE COURSE
- QUARRY SPALLS
- COUNTY PLANTED AREA
- WETLAND
- EXISTING RIPRAP

SECTION 36, TOWNSHIP 31 NORTH, RANGE 4 WEST, W.M., CLALLAM COUNTY, WASHINGTON

ANDERSON ROAD / DUNGENESS RIVER BRIDGE
SPAN LENGTH = 201
LOW CHORD ELEV = 28.55
HIGH CHORD ELEV = 34.31

RIVER GAUGE ON NORTH SIDE
PIER ZERO MARK = ELEV 13.70

USGS RIVER MONITORING STATION

DUNGENESS SCHOOLHOUSE
FINISHED FLOOR = 28.07

MAILBOX

COMMS J-BOX

STOP SIGN

POWERPOLE

BURIED CLALLAM COUNTY PUD LINE

PUBLIC PARKING

Dungeness River
FLOW

Anderson Road

Towne Road

MAILBOXES
STOP AHEAD SIGN
COMMS J-BOX

ANDERSON ROAD
PAVED SURFACE

TSUNAMI
EVACUATION
ROUTE SIGN

Sequim Dungeness Way

SEQUIM-DUNGENESS
WAY PAVED SURFACE

COMMUNICATION
J-BOX

FENCE

FIRE STATION
SIGN

STOP SIGN

FENCE

LEVEE ACCESS GATE,
ECOLOGY BLOCKS, &
WOOD FALL PROTECTION

COMMUNICATION
J-BOX

OVERHEAD
POWER

West Tributary to
Meadowbrook Creek
FLOW

NORTH LEVEE

BURIED CLALLAM
COUNTY PUD LINE

MEADOWBROOK
CREEK CULVERTS

FLOOD RETURN
CHANNEL

SETTLEMENT PLATE

BOHN RESIDENCE
FF = 23.60

72-INCH CMP CULVERT
AND MSE WALLS

TOWNE ROAD REMOVED IN 2022
BETWEEN CONSTRUCTED LEVEES.
SEE NOTE 6

SETTLEMENT PLATE

TEMP. ACCESS RAMP (SEE NOTE 8)

APPROX. COUNTY
PLANTED AREA

FENCE

BURIED CLALLAM COUNTY PUD
POWER LINE & COMM. LINE

BORING
RIM = 22.07
GROUND = 21.9

PROJECT AREA
BOUNDARY

ECOLOGY BLOCKS & WOOD
FALL PROTECTION

MAILBOX

SETTLEMENT PLATE

Meadowbrook Creek
FLOW

36-INCH CMP CULVERT AND MSE WALLS

UTILITY VAULT

TOWNE ROAD LEVEE

UTILITY VAULT

RIPRAP

SETTLEMENT
PLATE

WSDOT SOUTH
ACCESS GATE

APPROX. COUNTY
PLANTED AREA

CULVERTS
24-INCH PLASTIC PIPE
4-INCH PLASTIC PIPE

FENCE

EBERLE ACCESS
GATE

DITCH

DITCH

SOUTH DRAINAGE
DITCH

OVERHEAD
POWER

EBERLE PARCEL
(SEE NOTE 7)

RIVER'S EDGE LEVEE & DITCH

UTILITY VAULT

36-INCH CMP
CULVERT

BURIED CLALLAM
COUNTY PUD POWER
LINE & COMM. LINE

PRESSURE RELIEF
BACKFILL AREA

ECOLOGY BLOCKS & LEVEE
ACCESS GATE

FENCE (APPROX.)

UTILITY VAULT

POWERPOLE

Jeffrey L & Debra K Brown
Parcel #043136340070

N

0 200 400
Scale in Feet

REV	DATE	DESCRIPTION

GUY BRIAN KAYS — STATE OF WASHINGTON — 22826 — REGISTERED PROFESSIONAL ENGINEER — 05/29/2024

ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
PHASE NO.: PHASE 3

DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

EXISTING CONDITIONS

SHEET ID
C-104

CONSTRUCTION NOTES

1. SALVAGE ACCESS GATES FROM TOWNE ROAD.
2. CONTRACTOR TO COORDINATE WITH COUNTY FOR ACCESS GATE INSTALLATION LOCATION.
3. COORDINATE GUARDRAIL INSTALLATION WITH EXISTING BURIED UTILITIES AND CULVERTS. SEE ROADWAY PLAN SHEETS FOR DETAILS.

LEGEND

- PROPOSED CSTC SURFACING
- PROPOSED PAVED SURFACING
- EXISTING RIPRAP
- PROPOSED COMPOST-AMENDED VEGETATED FILTER STRIP (CAVFS)
- EXISTING MINOR CONTOUR (2')
- EXISTING MAJOR CONTOUR (10')
- PROPOSED MINOR CONTOUR (1')
- PROPOSED MAJOR CONTOUR (5')
- PROJECT BOUNDARY
- PROPERTY/RIGHT OF WAY BOUNDARY
- PROPOSED GUARDRAIL

PUBLIC PARKING AREA
SHULTZ DRIVEWAY
Towne Road
Anderson Road
Sequim Dungeness Way
INTERSECTION REALIGNMENT
BIOSWALE
West Tributary to Meadowbrook Creek FLOW
INTAKE STRUCTURE (TYP)
MOMENT SLABS
14 FT ACCESS GATE
STA. 141+60.60 (49.57' L)
(SEE NOTES 2)
GUARDRAIL
TOWNE ROAD LEVEE
(TO BE CHIPSEALED BY OTHERS)
MEADOWBROOK CREEK FLOW
PROJECT BOUNDARY
PROTECT AND MAINTAIN EXISTING 36" CULVERT
PLACE ROADWAY EXCAVATION FROM RAMP REMOVAL ON EXPOSED RIPRAP SLOPES. PLACE QUARRY SPALLS AND CSBC ON EXPOSED "TOP" OF RIPRAP (EXTENTS APPROXIMATE)
TRAIL
GUARDRAILS
PROTECT AND MAINTAIN EXISTING BURIED POWER AND COMMUNICATION UTILITIES
CAVFS
RIVERS EDGE LEVEE
DRAINTILE
EMBANKMENT (~900 CY)
PROTECT AND MAINTAIN EXISTING POWER AND COMMUNICATION UTILITIES TO EBERLE
BROWN (CREAMERY) FENCE TO BE RELOCATED TO ROW. CONTRACTOR TO MATCH EXISTING FENCE
PROPOSED INTERIM CSBC PARKING & BASIC FILTER STRIP
Dungeness River FLOW
SMALLEY D.L.C.
TR 100+00
TR 102+00
TR 104+00
TR 106+00
TR 108+00
TR 110+00
TR 112+00
TR 114+00
TR 116+00
TR 118+00
TR 120+00
TR 122+00
TR 124+00
TR 126+00
TR 128+00
TR 130+00
TR 132+00
TR 134+00
TR 136+00
TR 138+00
TR 140+00
TR 142+00
TR 144+00
TR 145+35

0 200 400
Scale in Feet

REV	DATE	DESCRIPTION
1	04/05/24	ROAD & CAVFS DETAILS

ISSUE DATE: MARCH 2024
CONTRACT NO.: 522220-3
PHASE NO.: PHASE 3
DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

GILES BRIAN KAYS — STATE OF WASHINGTON — 45214 — REGISTERED PROFESSIONAL ENGINEER — 04/05/2024

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

SITE PLAN

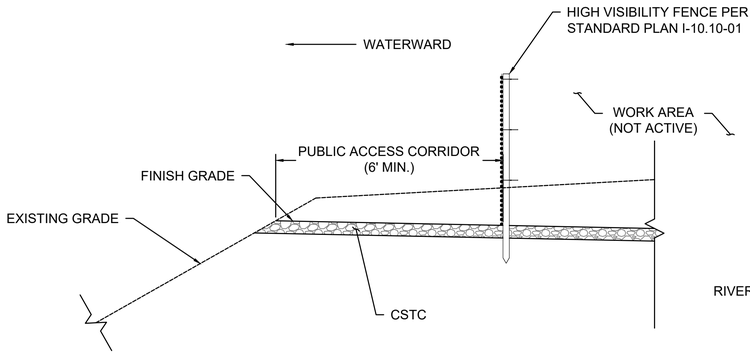
SHEET ID
C-105

GENERAL NOTES:

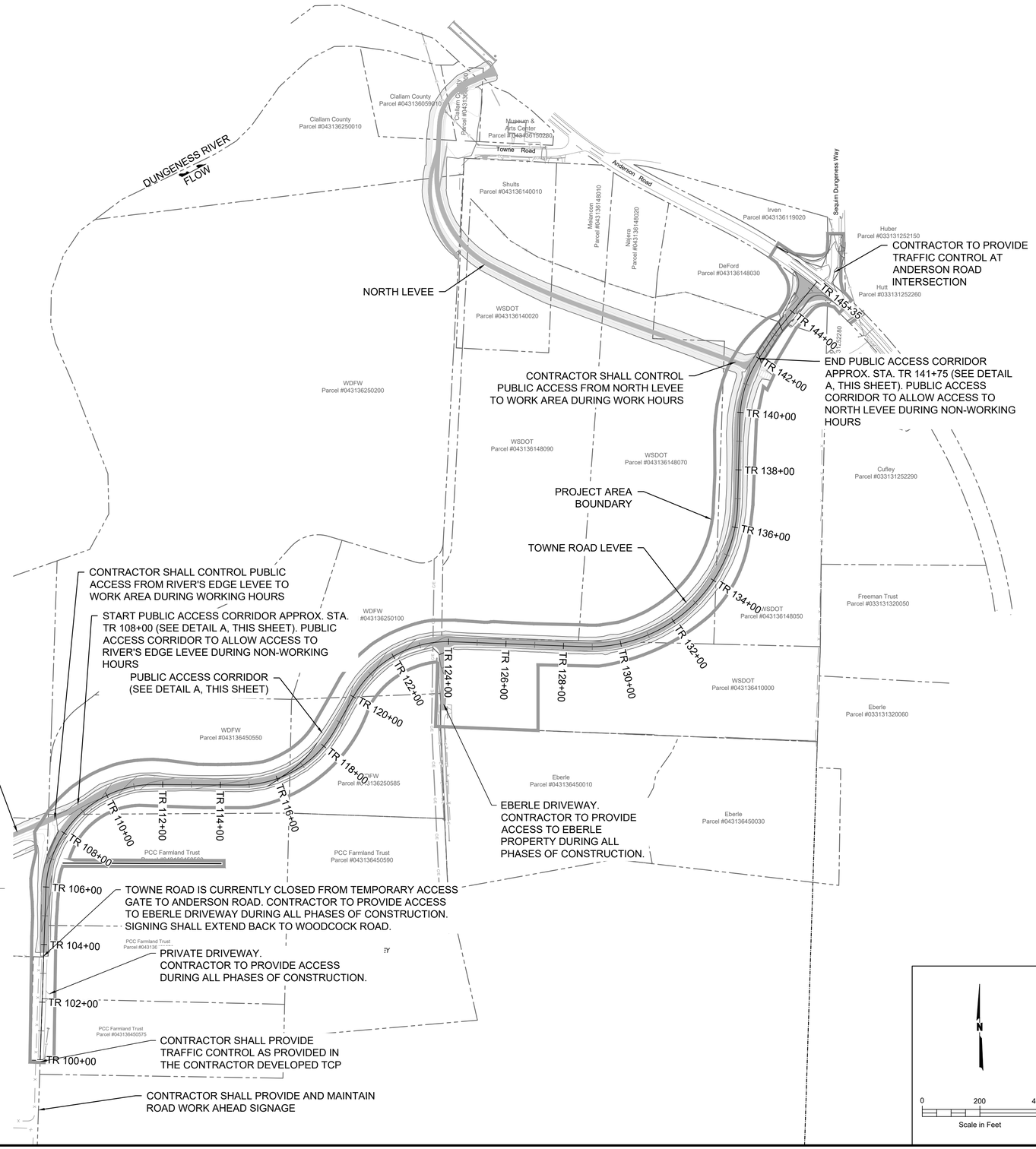
1. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLAN.
2. CONTRACTOR TO PROVIDE ALL TRAFFIC CONTROL AS DESCRIBED IN TRAFFIC CONTROL PLAN (TCP) SUBMITTAL.
3. CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS DURING CONSTRUCTION TO THE EBERLE DRIVEWAY, PCC FARMLAND TRUST DRIVEWAY, RIVER'S EDGE LEVEE, DUNGENESS CREAMERY DRIVEWAY, FOR UTILITY OWNERS, AND SHALL NOT BLOCK ACCESS WITHOUT PRIOR APPROVAL. APPROVAL FOR BLOCKED ACCESS IS NOT GUARANTEED.
4. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS AND SHALL SUBMIT TRAFFIC CONTROL PLANS IF, DURING CONSTRUCTION, THE PLAN CHANGES. ALL PLANS SHALL BE ACCEPTED PRIOR TO IMPLEMENTATION.
5. TEMPORARY PUBLIC PEDESTRIAN ACCESS CORRIDOR (PUBLIC ACCESS CORRIDOR) TO BE CLOSED TO PUBLIC DURING WORKING HOURS. CONTRACTOR TO OPEN PUBLIC ACCESS CORRIDOR AT THE END OF EACH WORKING DAY. SEE SPEC 1-07.23(4).

LEGEND

- EXISTING CRUSHED SURFACING BASE COURSE
- PROPOSED CRUSHED SURFACING TOP COURSE (CSTC)
- PROPOSED MAJOR CONTOUR (5')
- PROPOSED MINOR CONTOUR (1')
- EXISTING MAJOR CONTOUR (10')
- EXISTING MINOR CONTOUR (2')
- PROJECT BOUNDARY
- PROPERTY/RIGHT OF WAY BOUNDARY



A TYPICAL DETAIL - PUBLIC ACCESS CORRIDOR
NTS



REV	DATE	DESCRIPTION

CLALLAM COUNTY
1854

GUY R. BRIAN KAYS
STATE OF WASHINGTON
24234
REGISTERED PROFESSIONAL ENGINEER
05/29/2024

ISSUE DATE: MARCH 2024
CONTRACT NO.: 522Z0-3
PHASE NO.: PHASE 3
DESIGNED BY: G. KAYS
DRAWN BY: A. PICCININI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC CONTROL PLAN

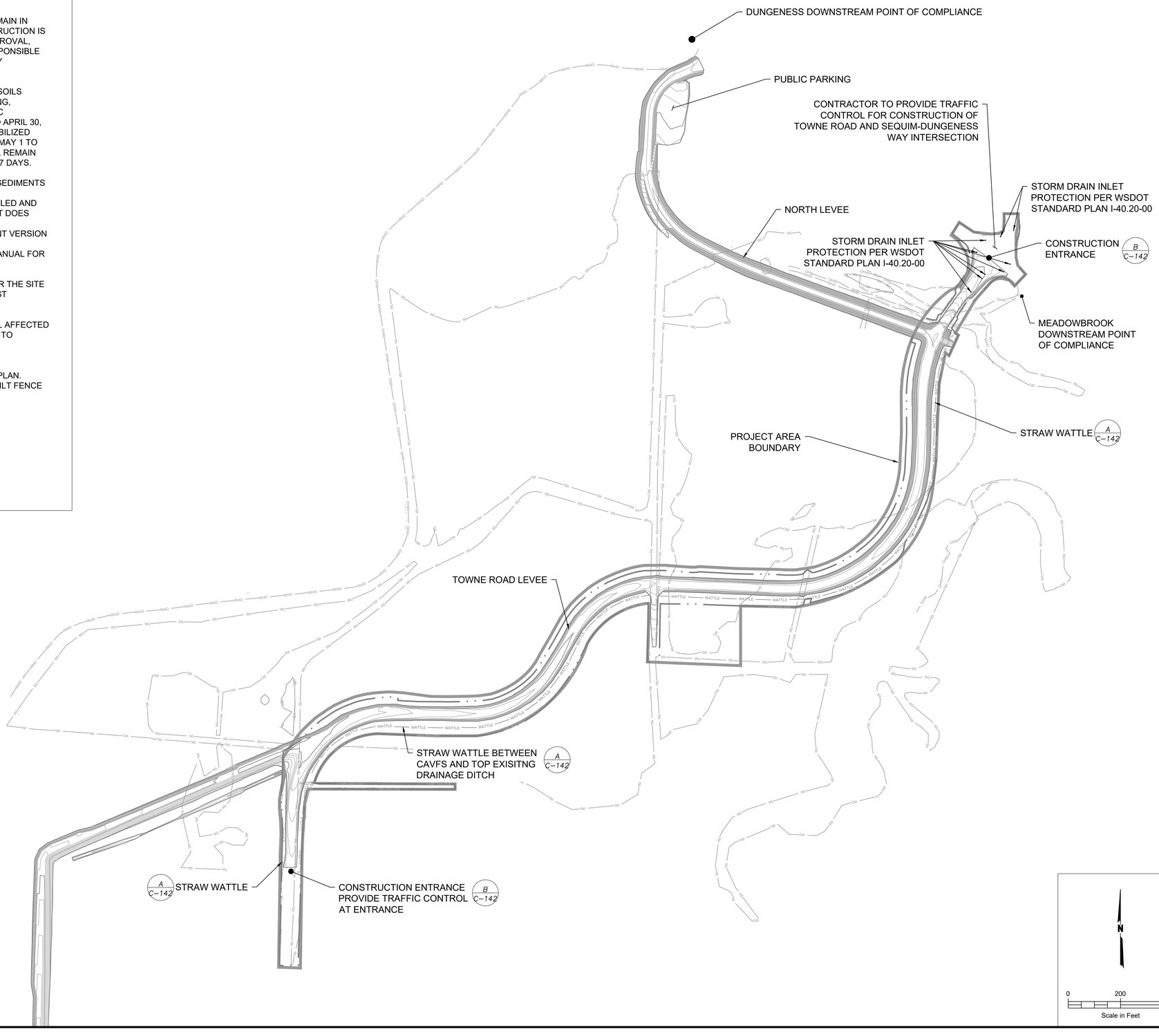
SHEET ID
C-106

NOTES:

1. ALL WORK IS TO OCCUR WITHIN THE CONSTRUCTION LIMITS.
2. CONTRACTOR WILL BE ASSIGNED LEAD FOR TESC AND SWPPP UPON AWARD OF CONTRACT.
3. CONTRACTOR TO PROVIDE WATER QUALITY MONITORING AT COMPLIANCE POINTS SHOWN OR ADDED BY PERMITS AS REQUIRED BY SWPPP AND PERMITS.
4. CONTRACTOR TO UPDATE TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL PLAN FOR THEIR SWPPP.
5. SILT FENCE FROM PREVIOUS CONSTRUCTION WILL REMAIN ON SITE. CONTRACTOR TO ASSUME RESPONSIBILITY FOR SILT FENCE.
6. TESC FACILITIES SHOWN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATER, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
7. THE TESC FACILITIES SHOWN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD THESE TESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS.
8. PRIOR TO CONSTRUCTION, CLEARING LIMITS SHALL BE APPROVED BY THE ENGINEER. ALL CLEARING, GRUBBING AND GRADING SHALL BE CONSTRAINED WITHIN THE ESTABLISHED LIMITS. ALL VEGETATION OUTSIDE DESIGNATED LIMITS SHALL REMAIN UNDISTURBED.
9. ALL STOCKPILES ARE TO BE PROTECTED FROM EROSION BY MECHANICAL OR VEGETATIVE MEANS.
10. THE TESC FACILITIES SHALL REMAIN IN PLACE UNTIL FINAL SITE CONSTRUCTION IS COMPLETE. AFTER COUNTY APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING ALL TEMPORARY FACILITIES.
11. ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY SEEDING, MULCHING, MATTING OR PLASTIC COVERING FROM OCTOBER 1 TO APRIL 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 2 DAYS. FROM MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS.
12. ALL POLLUTANTS OTHER THAN SEDIMENTS THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER PER THE CURRENT VERSION OF DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR PUGET SOUND BASIN.
13. THE CONTRACTOR SHALL WATER THE SITE AS NECESSARY TO REDUCE DUST EMISSIONS AS A RESULT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL SWEEP ALL AFFECTED PUBLIC ROADS, AS NECESSARY, TO REMOVE DUST RELATED TO CONSTRUCTION ACTIVITIES.
14. SEED ALL AREAS PER SEEDING PLAN. REMOVE AND DISPOSE OF ALL SILT FENCE & TESC BMPS AT THE END OF CONSTRUCTION.

LEGEND

- PROJECT BOUNDARY
- WATTLE — STRAW WATTLE
- CONSTRUCTION LIMIT LINE
- WL — WETLANDS
- OHW — ORDINARY HIGH WATER (OHW)
- MAJOR CONTOUR (5')
- MINOR CONTOUR (1')



REV	DATE	DESCRIPTION

GLS BRIAN KAYS — STATE OF WASHINGTON — 45234 — REGISTERED PROFESSIONAL ENGINEER — 02/26/2025

ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
PHASE NO.: PHASE 3

DESIGNED BY: G. KAYS
DRAWN BY: A. CONNELLY
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TESC PLAN

SHEET ID
C-107

GENERAL NOTES:

1. ALL DEBRIS AND WASTE SHALL BE DISPOSED AT AN APPROVED DISPOSAL LOCATION.
2. CONTRACTOR RESPONSIBLE TO PROTECT AND REPAIR DAMAGE CAUSED TO ANY FACILITIES WHICH ARE NOT DESIGNATED FOR REMOVAL.
3. CONTRACTOR TO SALVAGE EXISTING CSBC SURFACING FROM TOWNE ROAD LEVEE. SALVAGE CSBC TO BE USED IN SHOULDER IMPROVEMENT. REMAINING SALVAGE CSBC (1110 CY) TO BE PLACED ON LEVEE SIDE SLOPES PER DIRECTION OF ENGINEER.

LEGEND

- ORDINARY HIGH WATER MARK (OHW)
- WETLANDS
- CONSTRUCTION LIMIT LINE
- PROJECT BOUNDARY
- PROPERTY/RIGHT OF WAY BOUNDARY
- SILT FENCE
- MONITORING WELL
- SCRAPE EXITING LEVEE (SALVAGE CSBC, REUSE/DISPOSE LEVEE FILL)
- DEMO EXISTING PAVEMENT
- DEMO SETTLEMENT PLATE

EXISTING BRIDGE (DO NOT DISTURB)
PROTECT EXISTING POWER POLE
Dungeness River FLOW
CLEAR & GRUB AREA BENEATH INTERSECTION WIDENING EMBANKMENT
CLEAR & GRUB AREA BENEATH BIOSWALE
Sequim Dungeness Way
DEMO WOOD FALL PROTECTION
D C-142 DEMO SETTLEMENT PLATE
DEMO EXISTING ASPHALT
West Tributary to Meadowbrook Creek FLOW
EXISTING MEADOWBROOK CREEK CULVERT CROSSING (DO NOT DISTURB)
SALVAGE ECOLOGY BLOCKS & ACCESS GATE. REMOVE ECOLOGY BLOCKS ON TOP OF MSE WALL
EXISTING MEADOBROOK CREEK CULVERT (DO NOT DISTURB)
PROJECT AREA BOUNDARY
CLEAR & GRUB CAVFS AREA AT TOE OF LEVEE
HB-6p-19
DO NOT DISTURB AREAS OUTSIDE OF CONSTRUCTION LIMITS
DEMO SETTLEMENT PLATE
B-7
GROUNDWATER MONITORING WELL TO REMAIN
SALVAGE ECOLOGY BLOCKS & DEMO WOOD FALL PROTECTION
EXISTING CULVERT (DO NOT DISTURB)
Meadowbrook Creek FLOW
GROUNDWATER MONITORING WELL TO REMAIN
B-9
D C-142 DEMO SETTLEMENT PLATE
DEMO SETTLEMENT PLATE D C-142
REMOVE EXISTING SILT FENCE
CONTRACTOR NOT TO DISTURB EXISTING RIPRAP OR GEOSYNTHETIC FOR PERMANENT EROSION CONTROL
GRADE EXISTING TOWNE ROAD LEVEE TO BOTTOM OF SUBGRADE AND BOTTOM OF SHOULDER IMPROVEMENT
C C-142
SALVAGE EXISTING CSBC (SEE NOTE 3). DISPOSE OF UNDERLYING SEPARATION FABRIC
ACCESS GATE TO REMAIN
EXISTING CULVERT (DO NOT DISTURB)
CLEAR & GRUB CAVFS AREA AT TOE OF LEVEE
CLEAR & GRUB AREA BENEATH NEW EMBANKMENT
CLEAR & GRUB DRAIN TILE AREA
DEMO EXISTING ASPHALT
SALVAGE ECOLOGY BLOCKS AND ACCESS GATE
CLEAR & GRUB BENEATH NEW PARKING AREA AND BASIC FILTER STRIP
SALVAGE EXISTING FENCE AND RELOCATE TO ROW
PROTECT EXISTING POWER POLES

N

0 200 400
Scale in Feet

REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

GUS BRIAN KAYS — STATE OF WASHINGTON — 21624 — REGISTERED PROFESSIONAL ENGINEER — 04/05/2024

ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
PHASE NO.: PHASE 3
DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

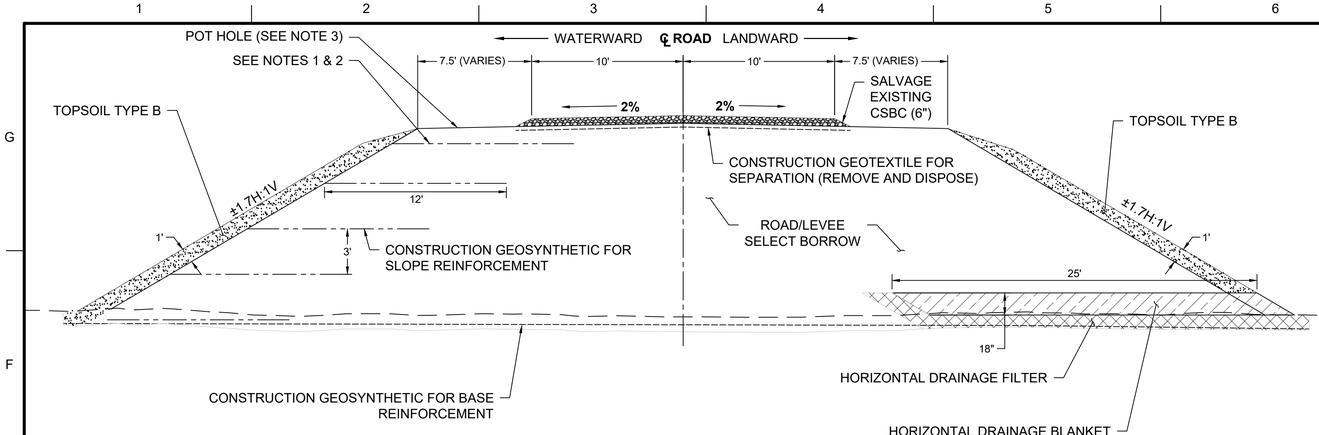
CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

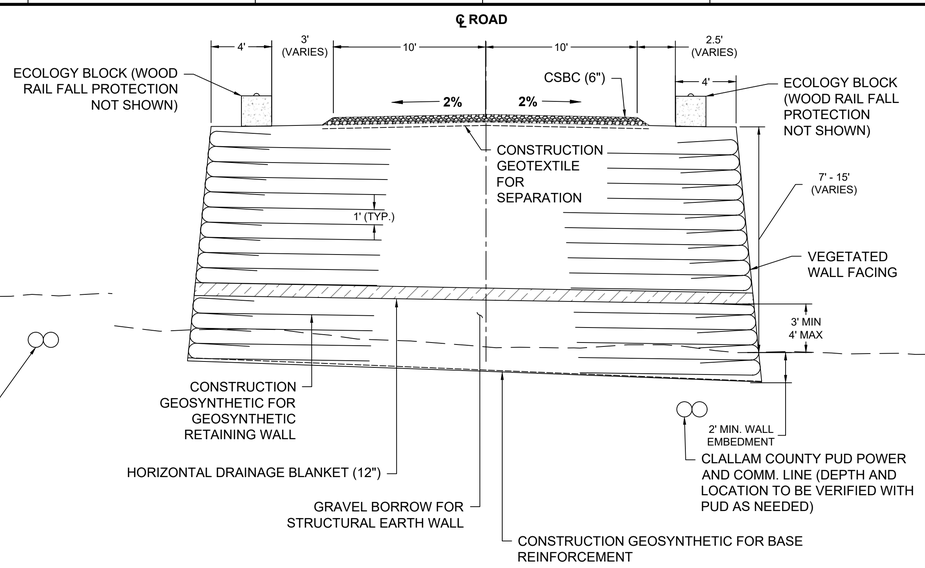
DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

DEMOLITION PLAN

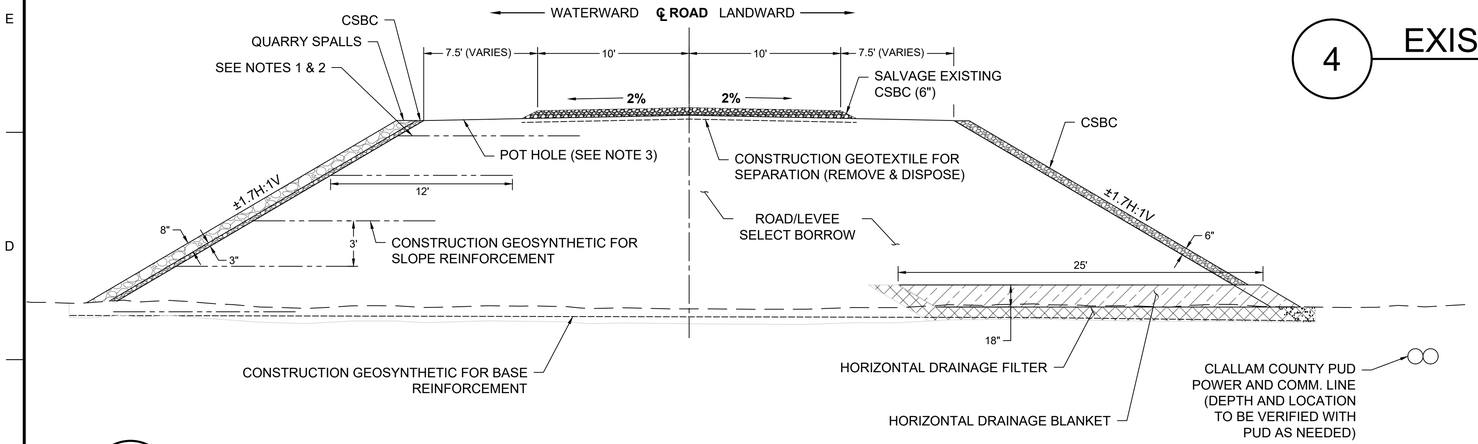
SHEET ID
C-108



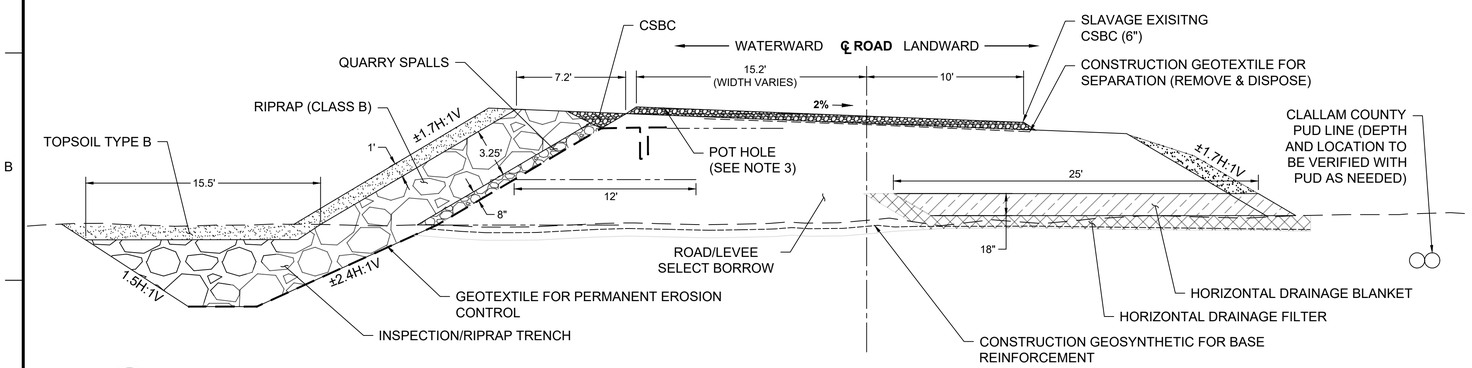
1 EXISTING TOWNE ROAD LEVEE TYPICAL SECTION



4 EXISTING TOWNE ROAD MSE WALL TYPICAL SECTION



2 EXISTING TOWNE ROAD LEVEE SLUMP REPAIR TYPICAL SECTION



3 EXISTING TOWNE ROAD LEVEE RIPRAP TYPICAL SECTION

NOTES:

1. FROM STATION 133+00 TO 142+10 TOP LAYER OF SLOPE REINFORCEMENT IS LOCATED 2 FT BELOW EXISTING TOP OF LEVEE EMBANKMENT.
2. FROM STATION 109+00 TO 133+00 TOP LAYER OF SLOPE REINFORCEMENT IS LOCATED 1 FT BELOW EXISTING TOP OF LEVEE EMBANKMENT.
3. POT HOLE EVERY 200FT. SEE SPEC. 2-03.1.

LEGEND

- FINISHED GRADE
- EXISTING GRADE
- QUARRY SPALLS
- CRUSHED SURFACING BASE COURSE (CSBC)
- RIPRAP
- TOPSOIL TYPE B
- HORIZONTAL DRAINAGE FILTER (IMPORT)
- HORIZONTAL DRAINAGE BLANKET (IMPORT)

0 5 10
Scale in Feet

REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

BRIAN KAYS — STATE OF WASHINGTON — 23124 — REGISTERED PROFESSIONAL ENGINEER — 04/05/2024

DESIGNED BY:	G. KAYS
DRAWN BY:	A. PICCINI
CHECKED BY:	J. RANDOLPH
SUBMITTED BY:	G. KAYS
SIZE:	ANSI D
ISSUE DATE:	MARCH 2024
CONTRACT NO.:	52220-3
PHASE NO.:	PHASE 3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

EXISTING CONDITION TYPICAL SECTIONS

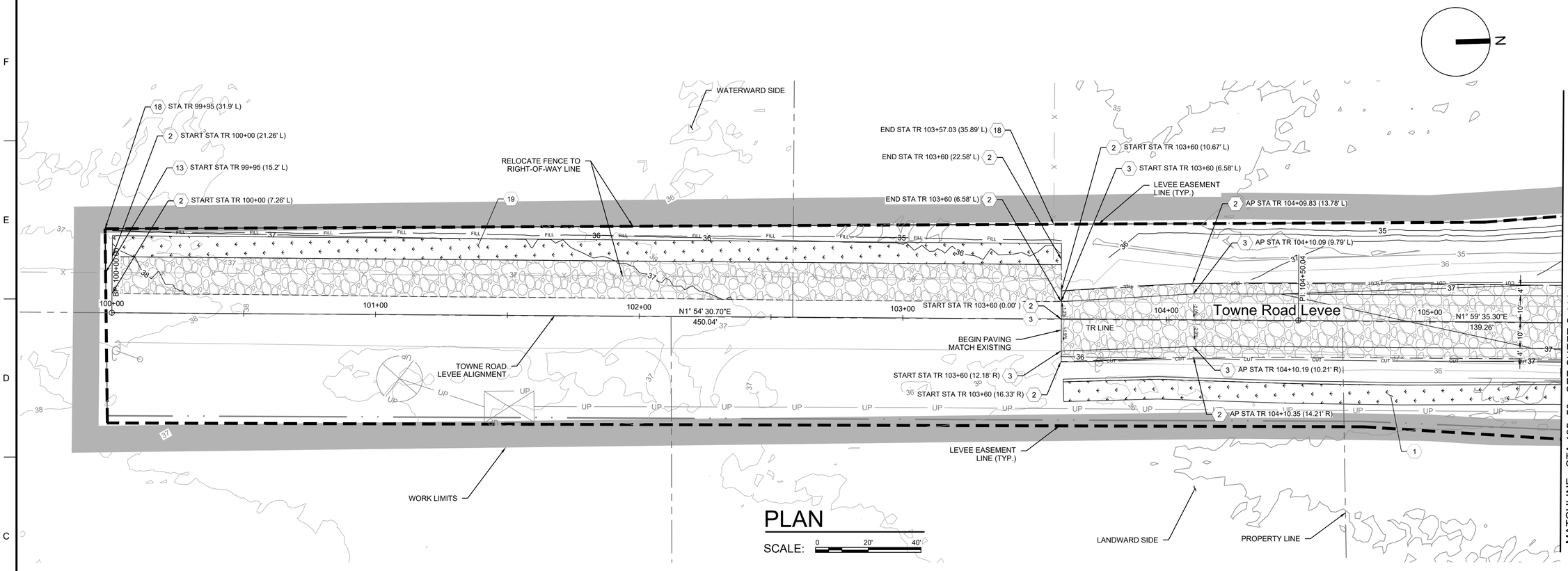
SHEET ID
C-109

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
7. GUARDRAIL PLACEMENT STRONG POST - TYPE 31 INTERSECTION DESIGN PER WSDOT STD PLAN C-20.42
8. BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 24 PER WSDOT STD PLAN C-25.30
9. GUARDRAIL D CONNECTION TO CONCRETE BARRIER PER WSDOT STD PLAN C-24.10
10. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP



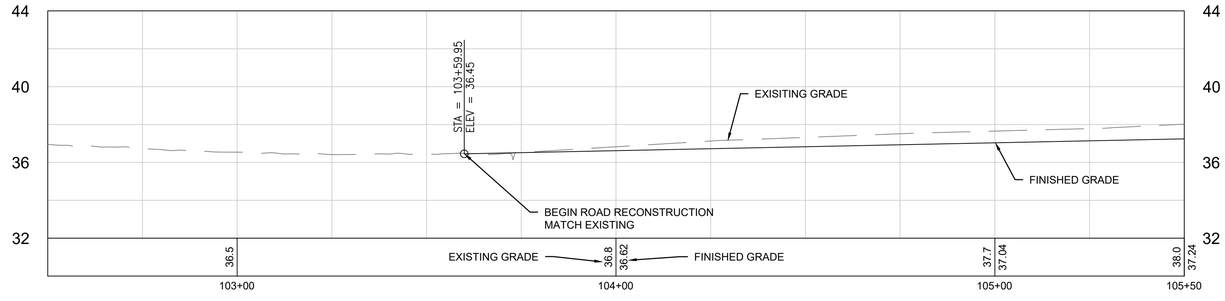
PLAN

SCALE: 0 20' 40'

PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'



MATCHLINE - STA 105+50 - SEE SHEET C-111

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SUBMITTED BY:
SIZE: ANSI D

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 1

SHEET ID
C-110

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
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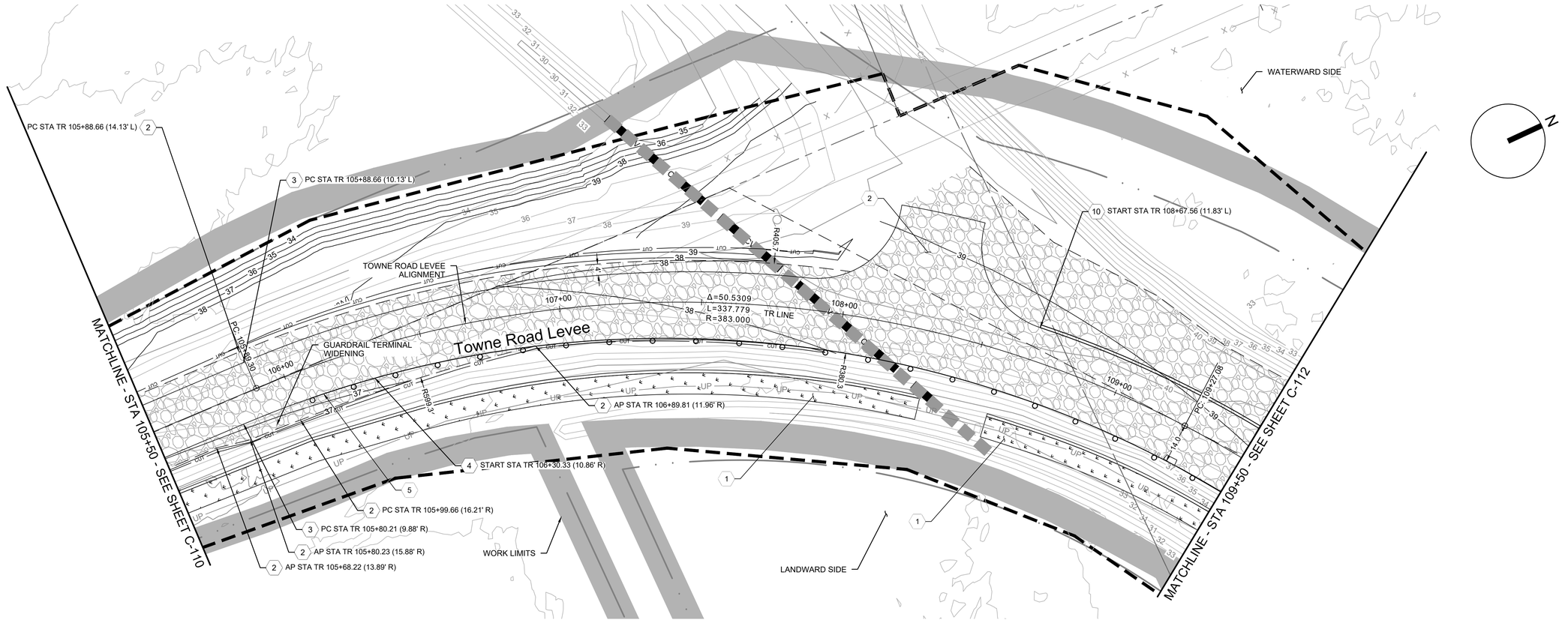
10. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

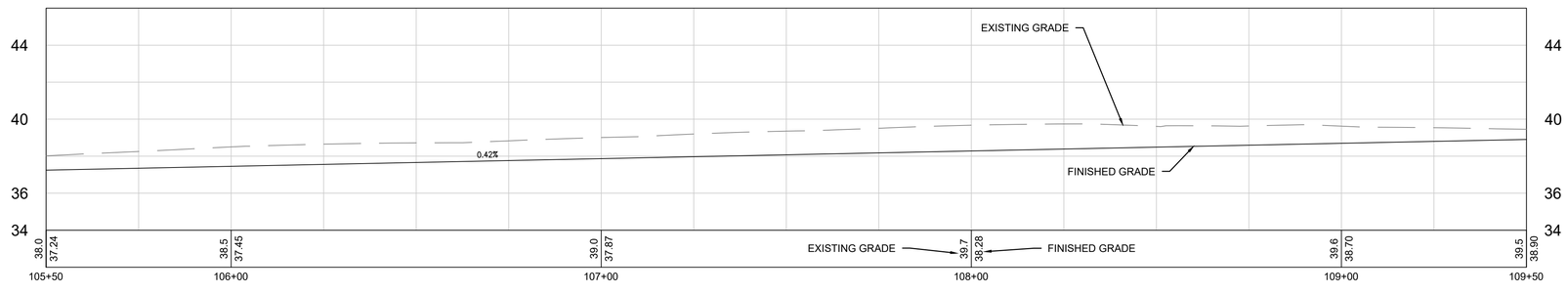
LEGEND

- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
EST. 1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MADISON J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: MS
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 2

SHEET ID
C-111

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
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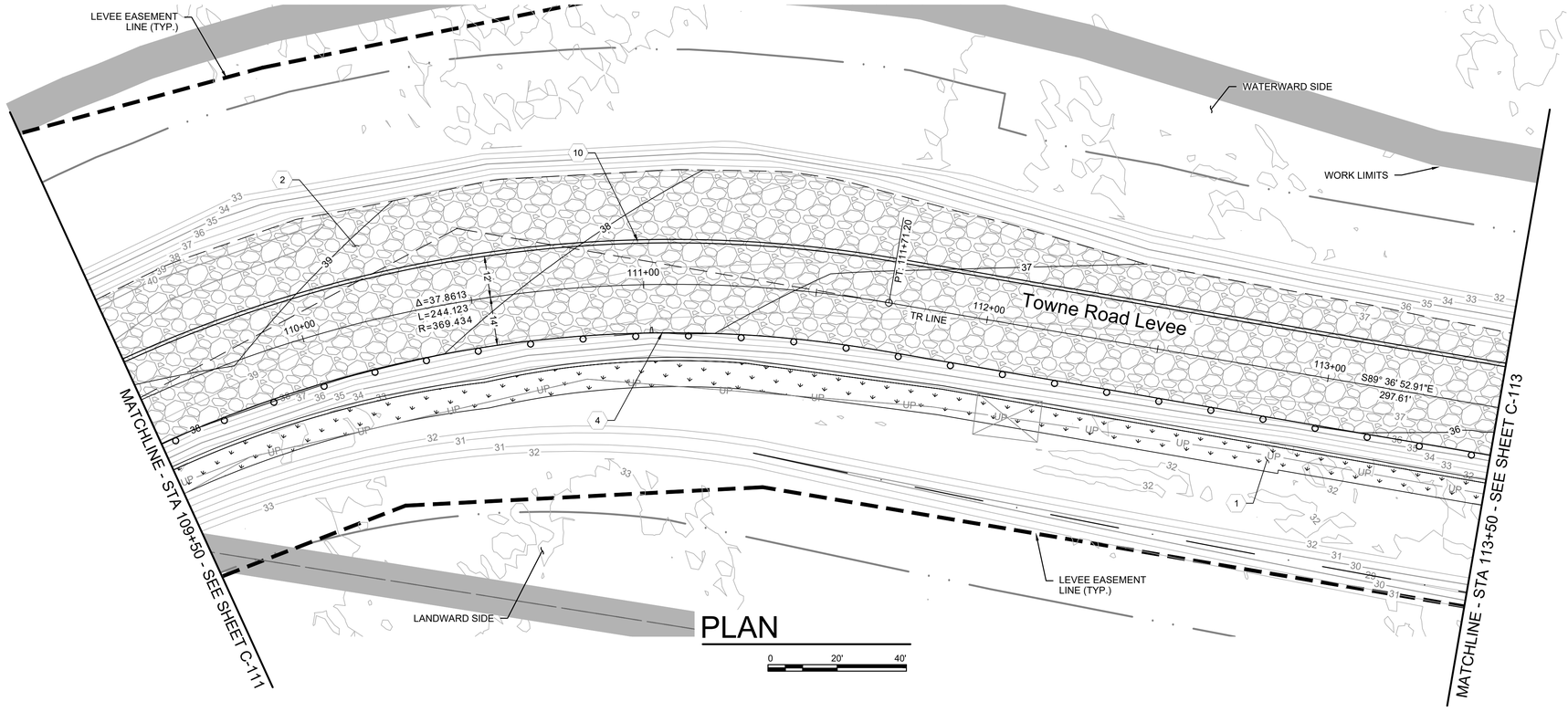
11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

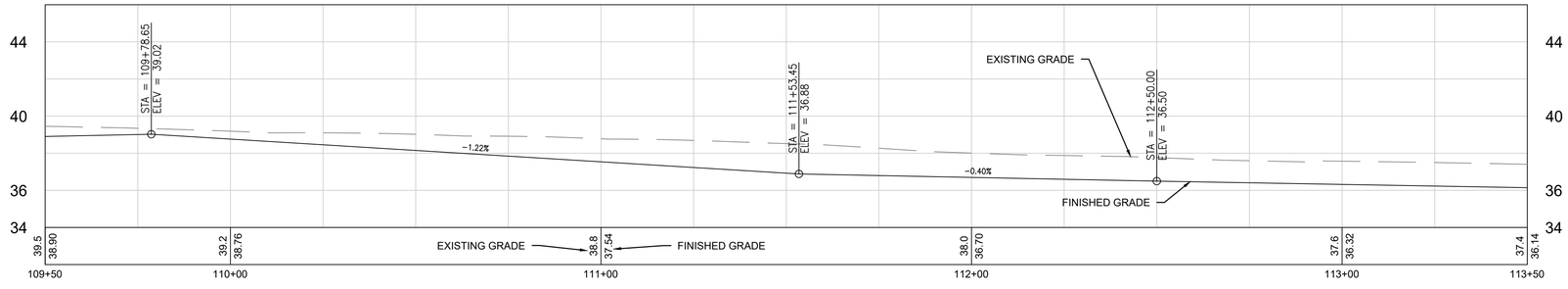
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: HDR
SIZE: ANSI D

ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 3

SHEET ID
C-112

Last Saved by: MSKINNER on: Apr 4, 2024 9:18 AM File: C:\pwworking\west01\dms54431\21-1-12559C-212_TOWNE ROAD AND LEVEE RELOCATION PLAN AND PROFILES.dwg

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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12. ACCESS GATE
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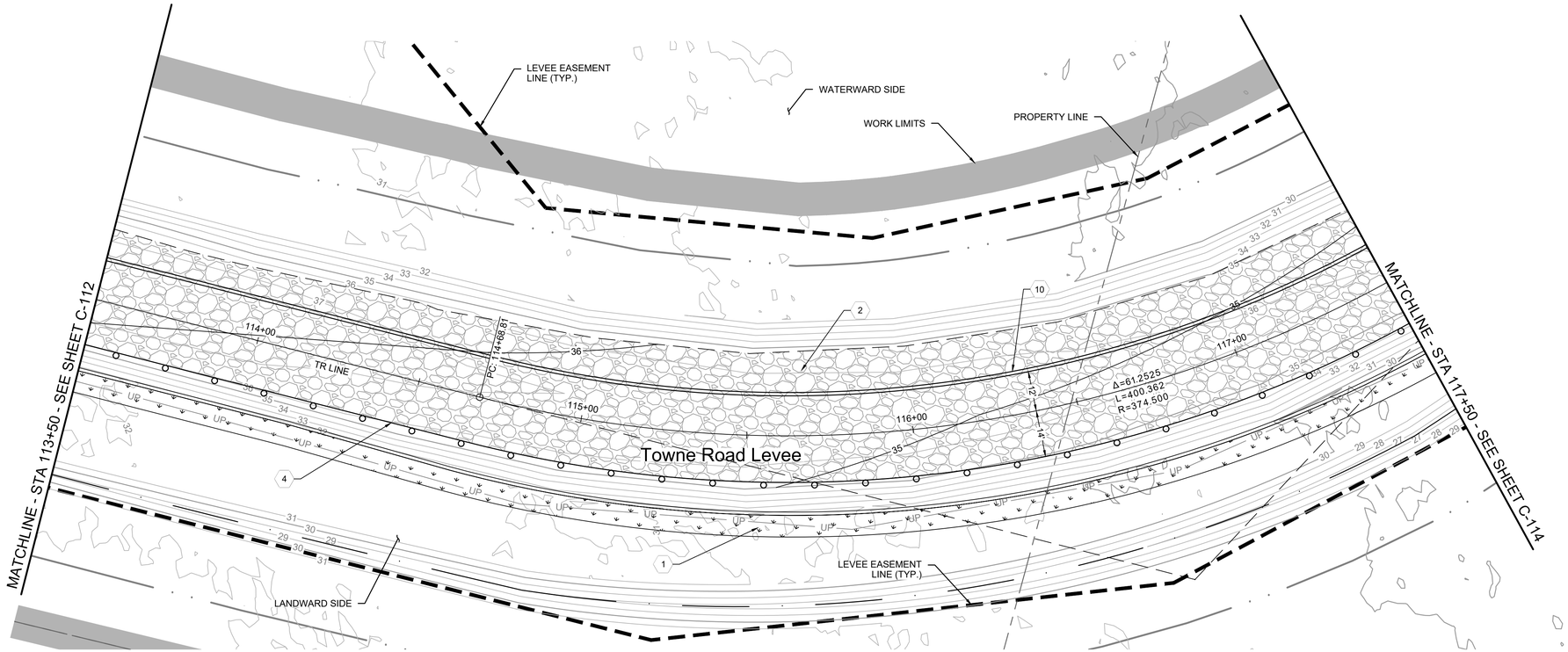
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

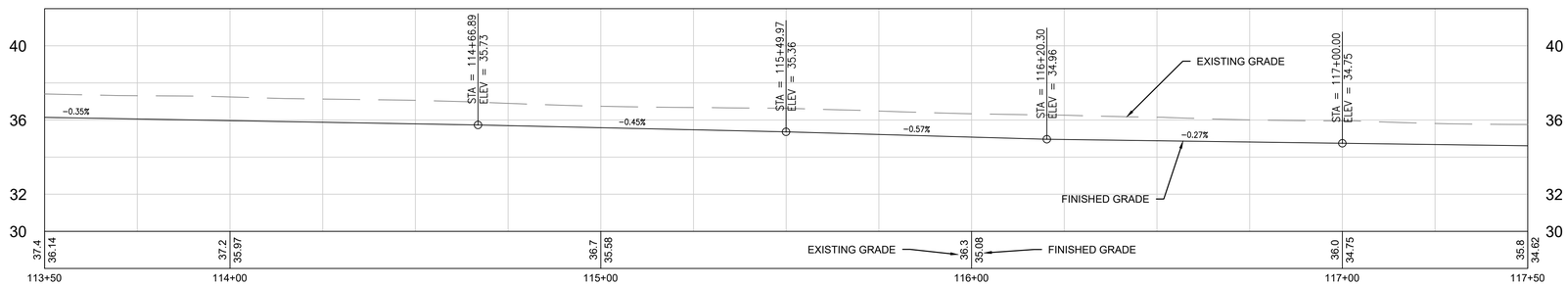
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
EST. 1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MARK J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY:	M. SKINNER
DRAWN BY:	M. SKINNER
CHECKED BY:	J. KEYES
SUBMITTED BY:	
SIZE:	ANSI D
ISSUE DATE:	MARCH 2024
SOLICITATION NO.:	
CONTRACT NO.:	52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 4

SHEET ID

C-113

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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12. ACCESS GATE
13. HMA WEDGE CURB
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15. STOP LINE PER WSDOT STD PLAN M-24.60
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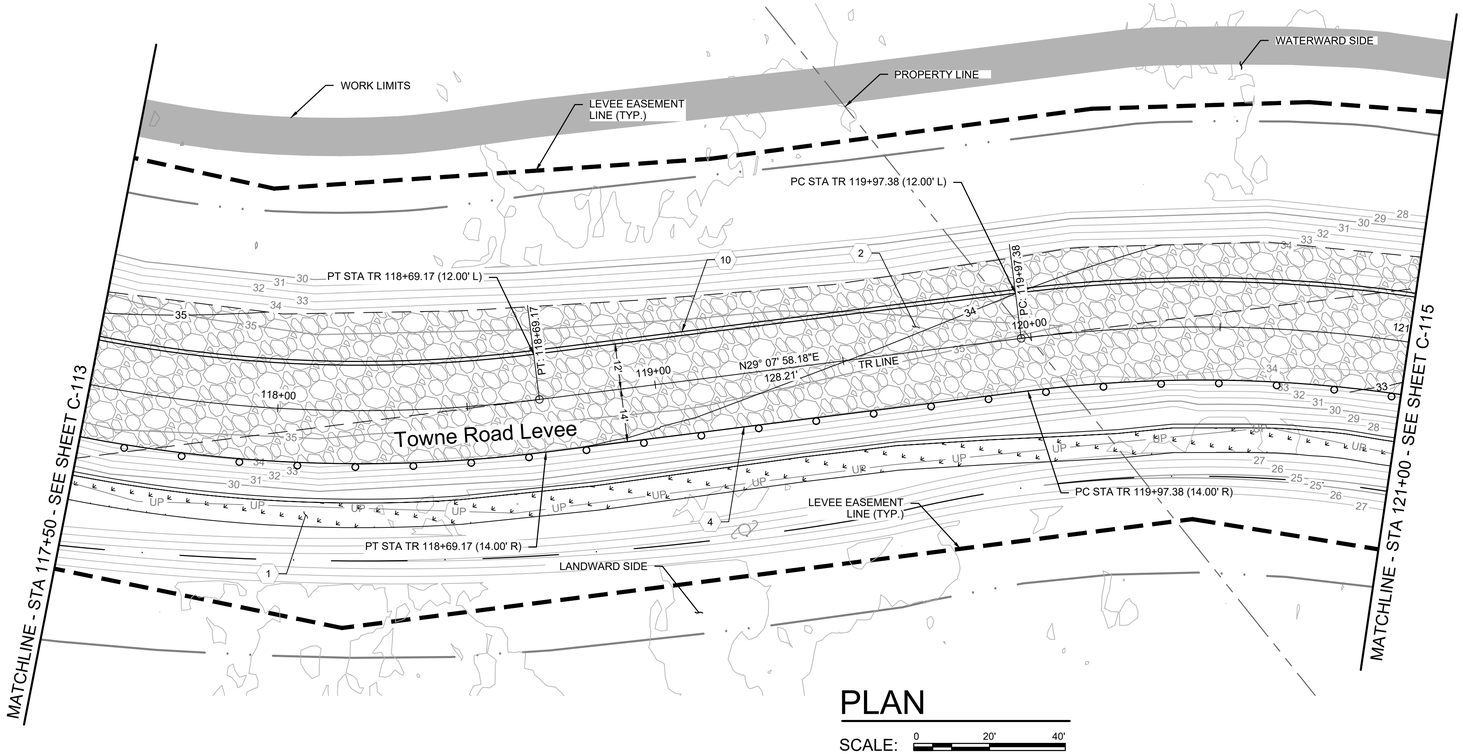
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

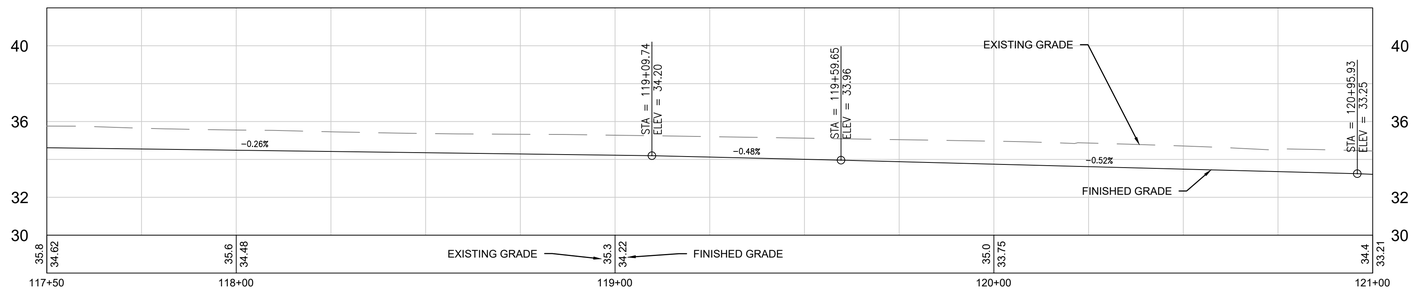
LEGEND

- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: M. SKINNER
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 5

SHEET ID
C-114

Last Saved by: MSKINNER on: Apr 4, 2024 9:18 AM File: C:\pwworking\west01\dms54431\21-1-12559C-212_TOWNE ROAD AND LEVEE RELOCATION PLAN AND PROFILES.dwg

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
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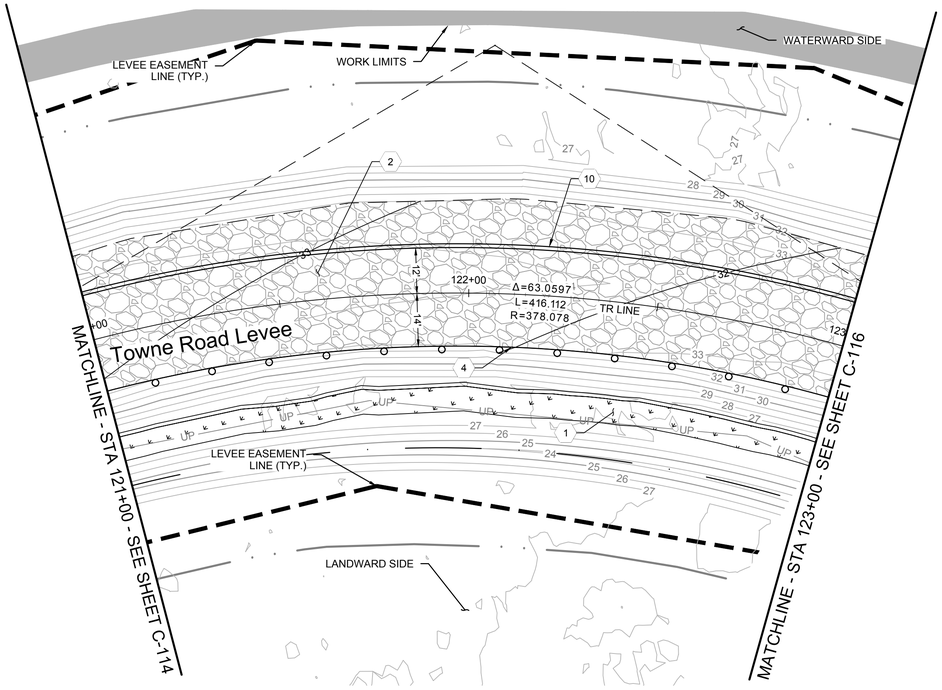
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

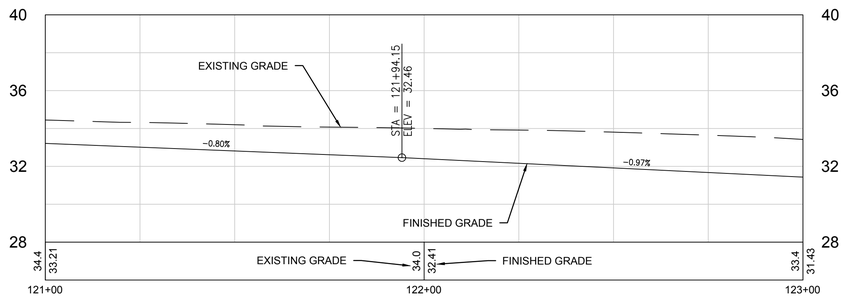
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY:
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 6

SHEET ID
C-115

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
7. GUARDRAIL PLACEMENT STRONG POST - TYPE 31 INTERSECTION DESIGN PER WSDOT STD PLAN C-20.42
8. BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 24 PER WSDOT STD PLAN C-25.30
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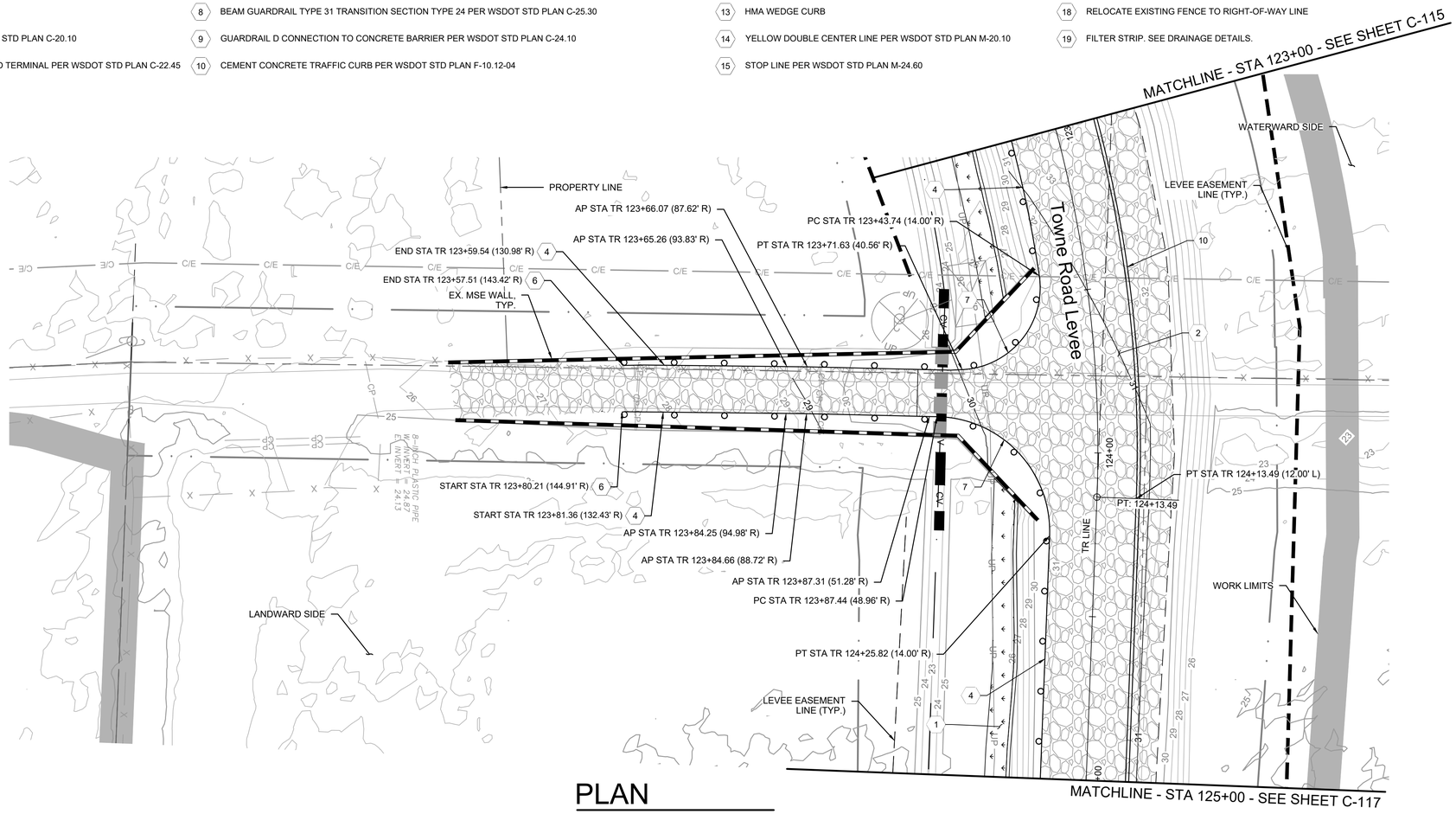
10. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

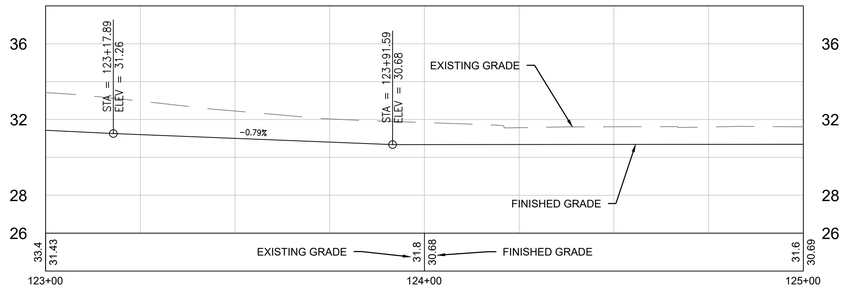
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: HDR
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL PLAN SHEET 7

SHEET ID
C-116

Last Saved by: MSKINNER on: Apr 4, 2024 9:18 AM File: C:\pwworking\west01\dms54431\21-1-12559C-212_TOWNE ROAD AND LEVEE RELOCATION PLAN AND PROFILES.dwg

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
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13. HMA WEDGE CURB
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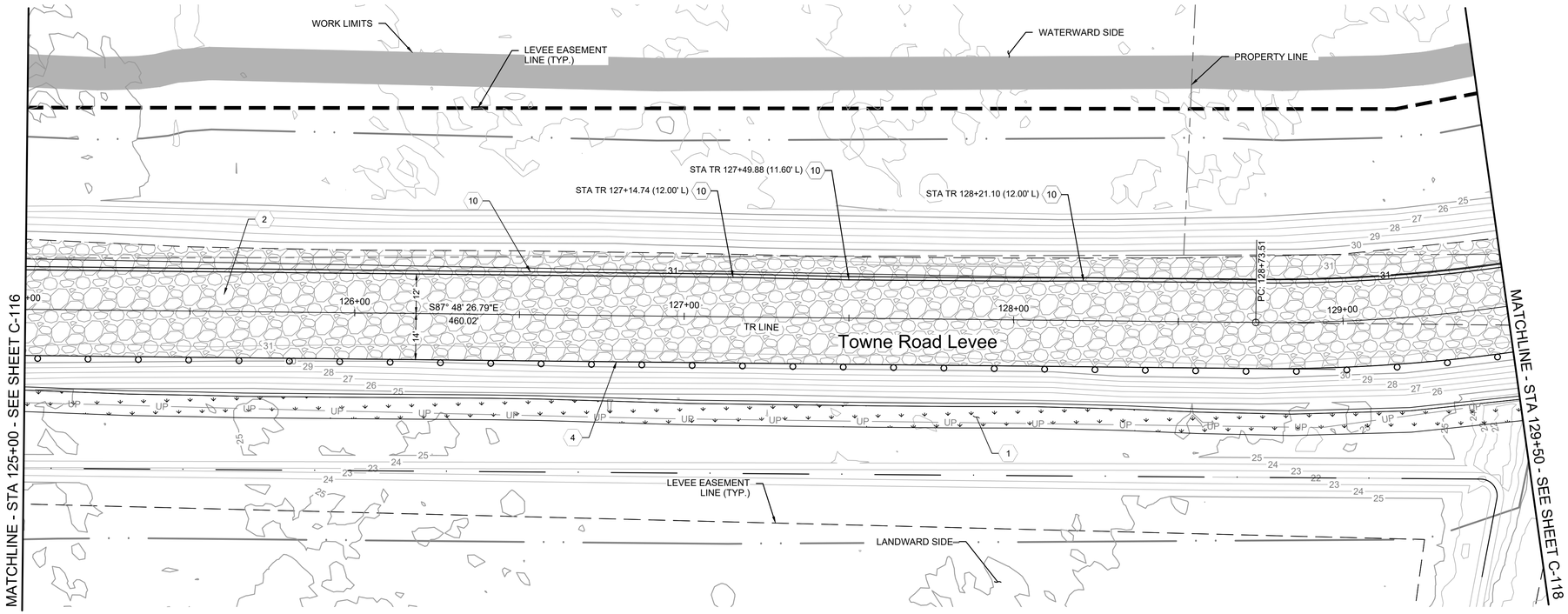
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

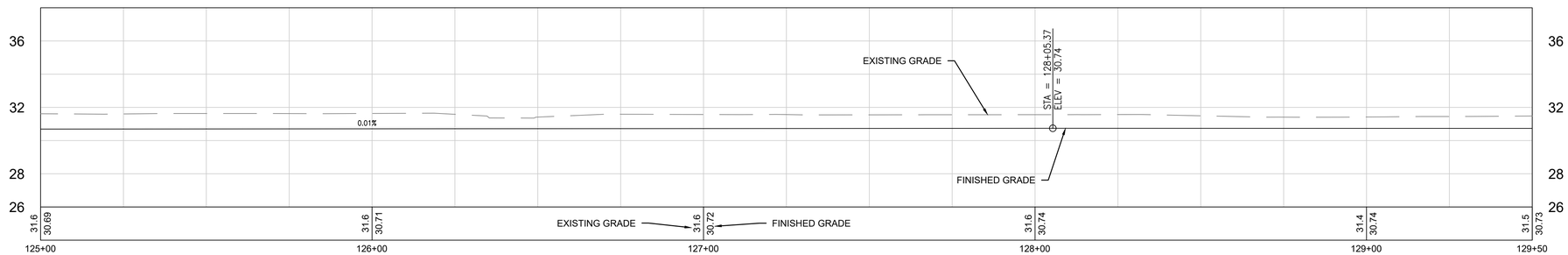
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MASON J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY:
SHEET
SIZE ANSI D

ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 8

SHEET ID
C-117

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
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11. HMA PAVEMENT SECTION - SEE TYPICAL SECTIONS
12. ACCESS GATE
13. HMA WEDGE CURB
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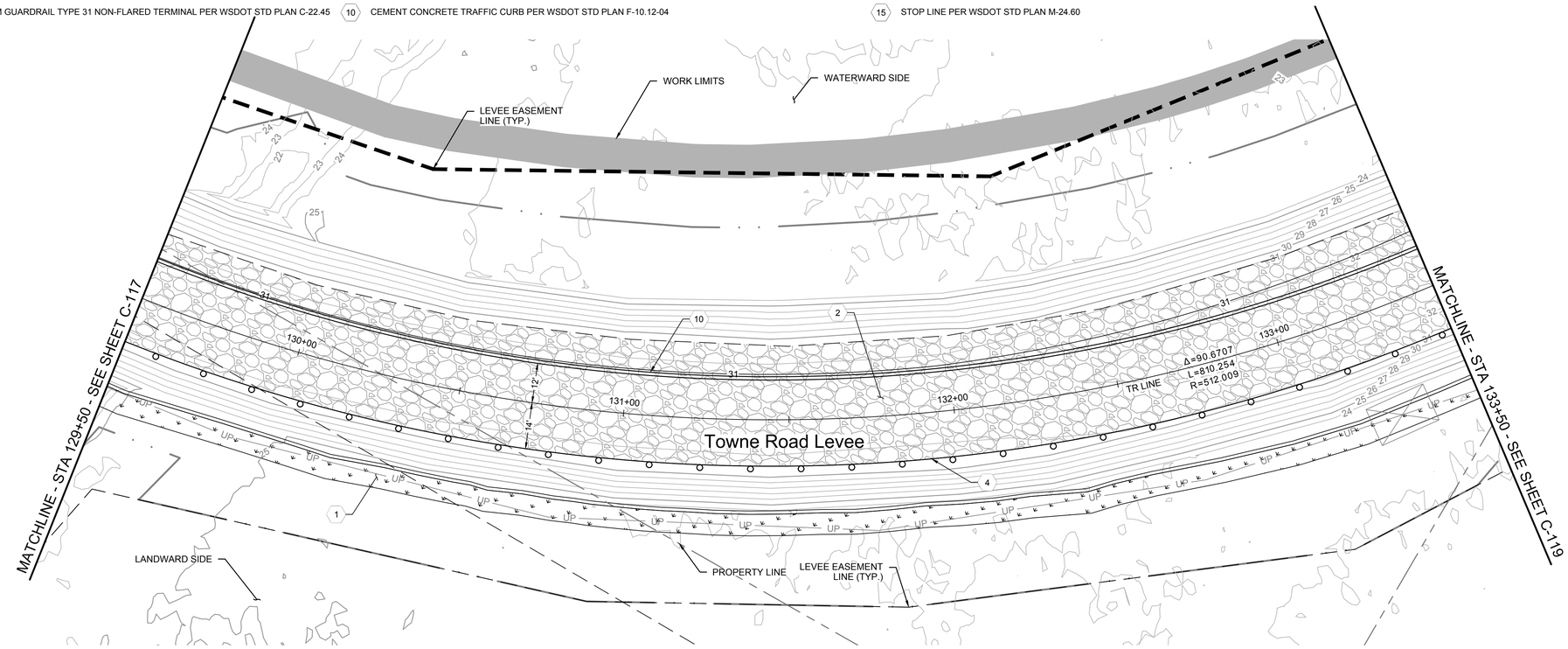
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

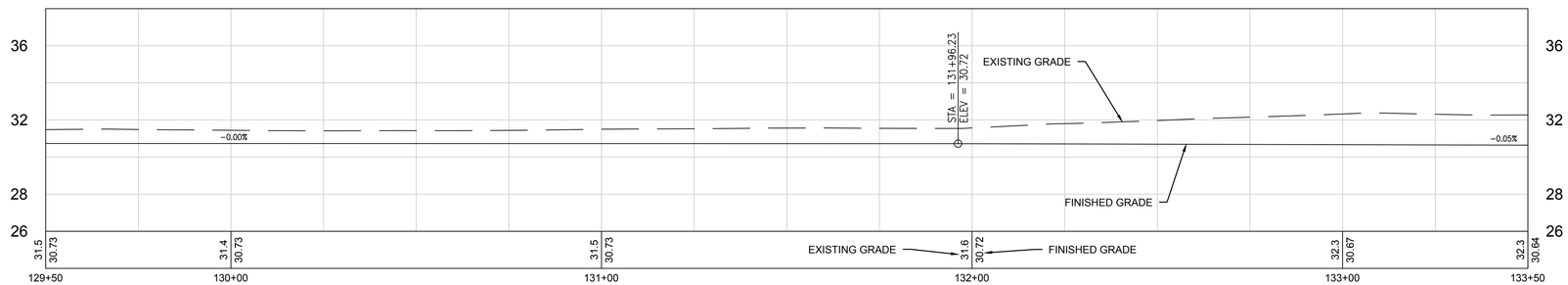
LEGEND

- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
EST 1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MARK J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY: M. SKINNER	ISSUE DATE: MARCH 2024
DRAWN BY: M. SKINNER	SOLICITATION NO.:
CHECKED BY: J. KEYES	CONTRACT NO.: 52220-3
SUBMITTED BY:	
SIZE: ANSI D	

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 9

SHEET ID

C-118

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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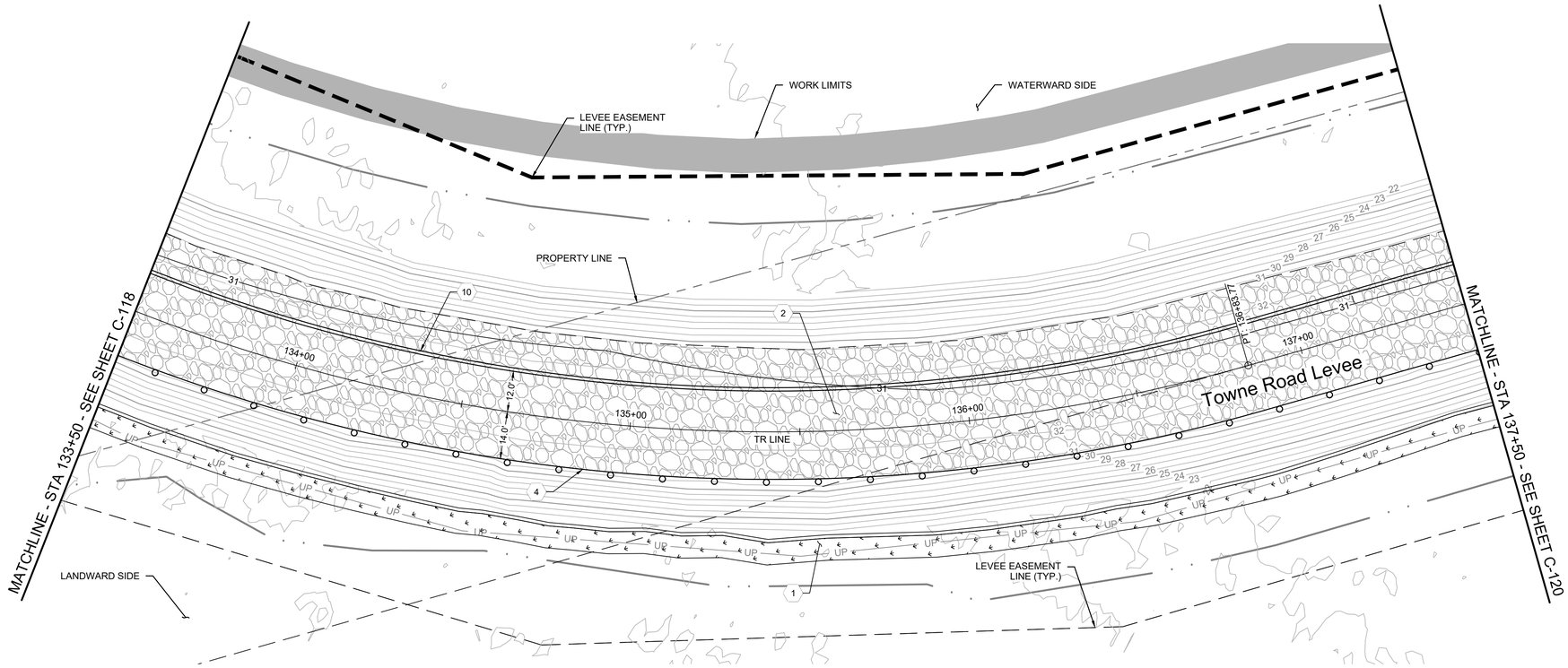
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

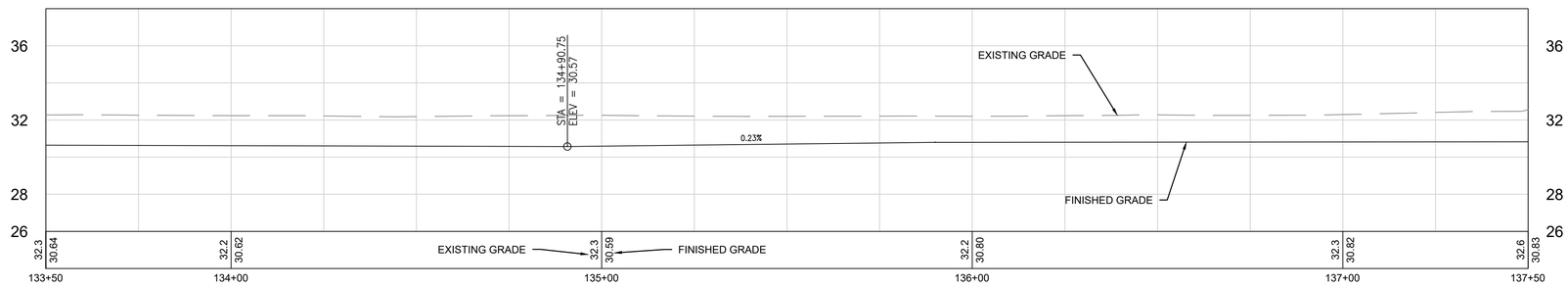
- CRUSHED SURFACING TOP COURSE
- COMPOST AMENDED VEGETATED FILTER STRIP

N



PLAN

0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
EST 1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MARK J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:	ISSUE DATE:
M. SKINNER	MARCH 2024
DRAWN BY:	SOLICITATION NO.:
M. SKINNER	
CHECKED BY:	CONTRACT NO.:
J. KEYES	52220-3
SUBMITTED BY:	
M. SKINNER	
SIZE:	
ANSI D	

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 10

SHEET ID

C-119

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
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18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

CRUSHED SURFACING TOP COURSE

COMPOST AMENDED VEGETATED FILTER STRIP

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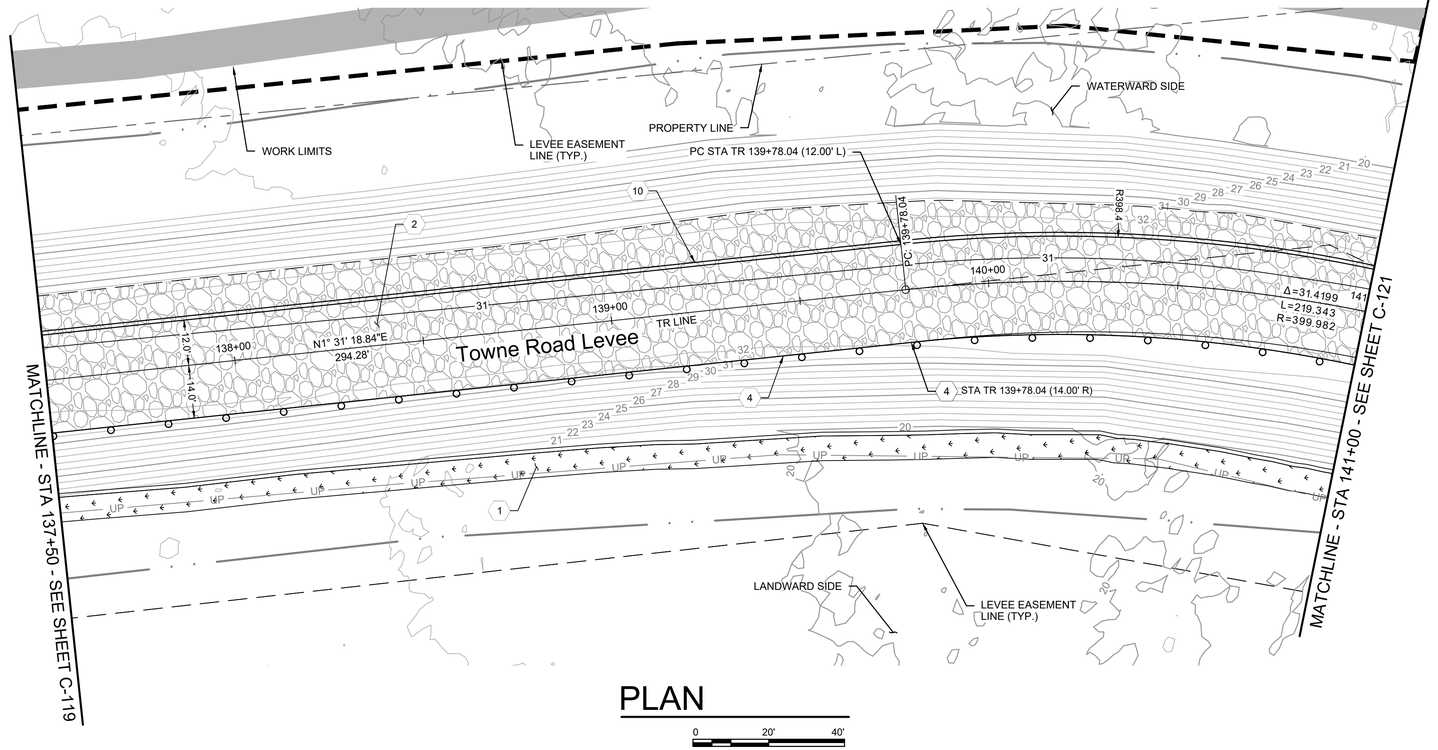
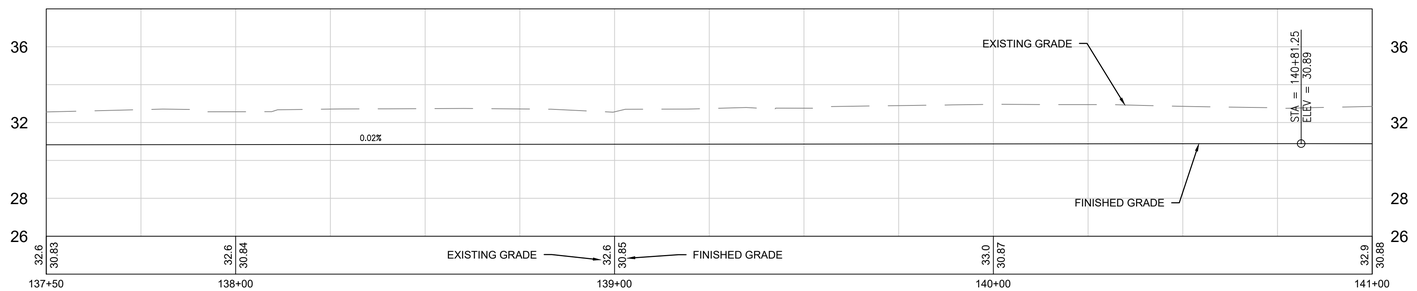


PLAN

0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY:
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 11

SHEET ID

C-120

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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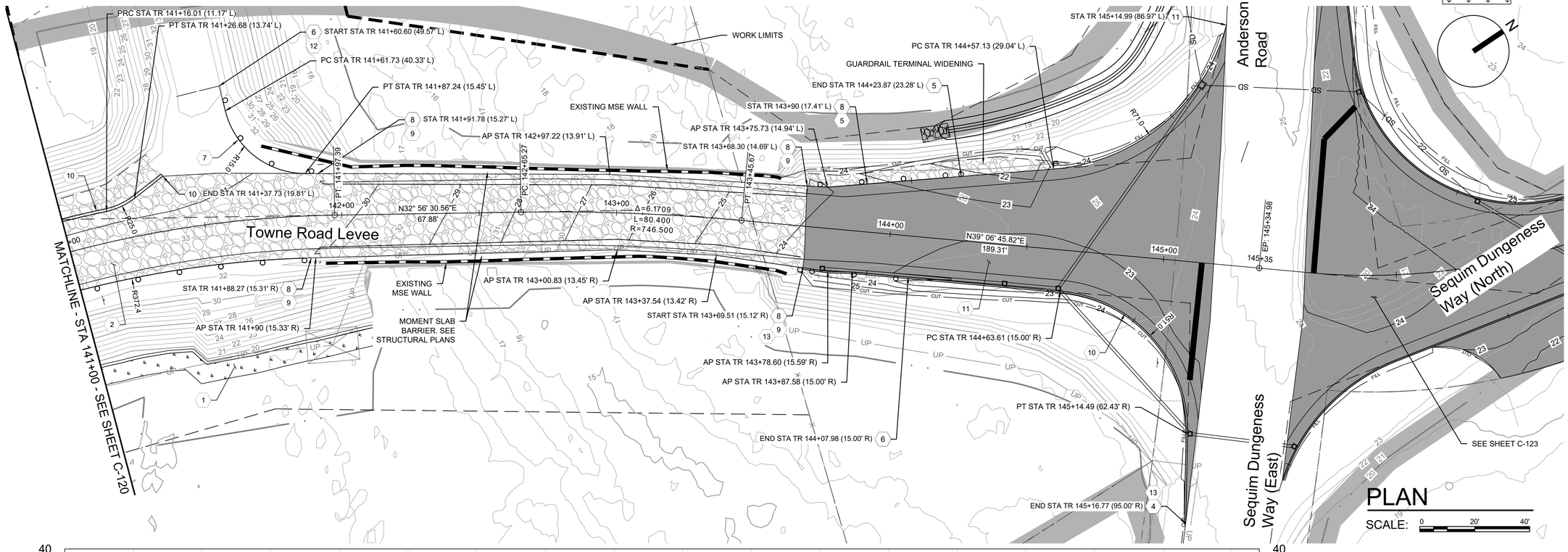
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

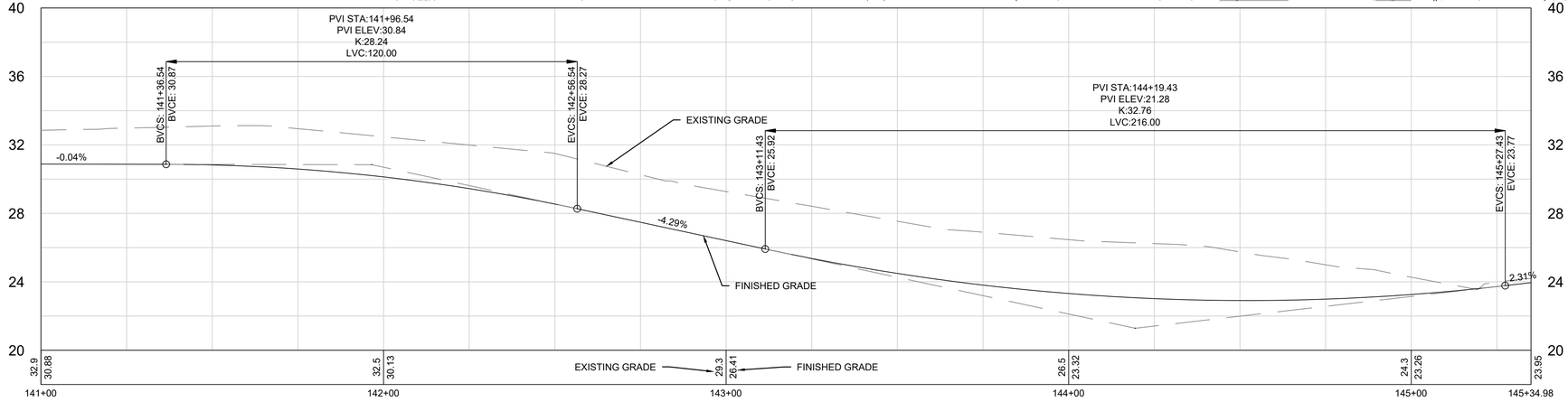
LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: HDR
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE AND GUARDRAIL
PLAN SHEET 12

SHEET ID
C-121

Last Saved by: MSKINNER on: Apr 4, 2024 9:18 AM File: C:\pwworking\west01\dms54431\21-1-12559C-212_TOWNE ROAD AND LEVEE RELOCATION PLAN AND PROFILES.dwg

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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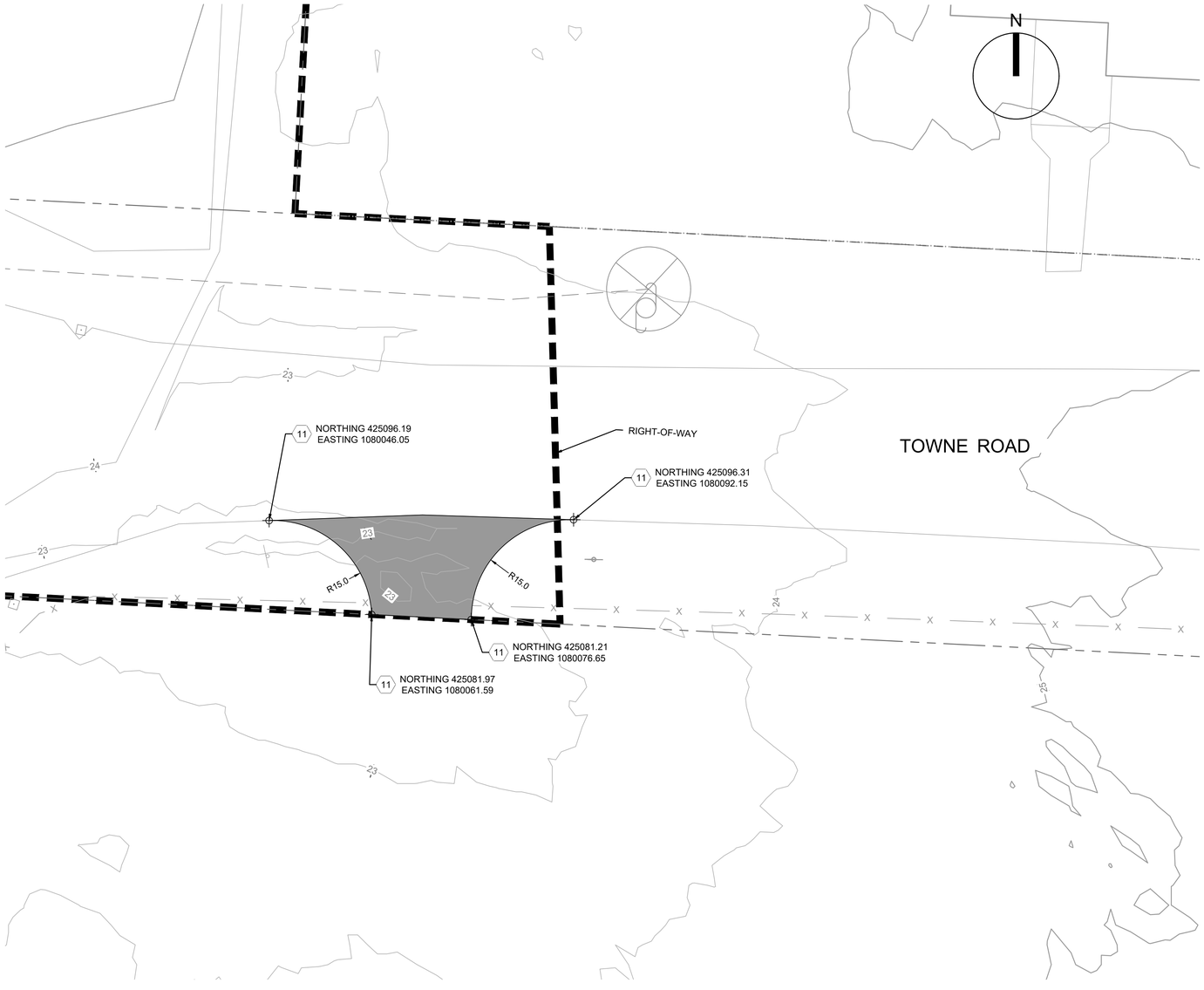
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

HMA DRIVEWAY - .017'
HMA PG 58H-22 OVER
0.5' CSTC



PLAN

SCALE: 0 20' 40'

CLALLAM COUNTY
1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MARNOM J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY:	M. SKINNER
DRAWN BY:	M. SKINNER
CHECKED BY:	J. KEYES
SUBMITTED BY:	SITE
SIZE:	ANSI D
ISSUE DATE:	MARCH 2024
SOLICITATION NO.:	
CONTRACT NO.:	52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

SHULTS DRIVEWAY ENTRANCE
PAVING PLAN

SHEET ID
C-122

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
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10. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
11. HMA PAVEMENT SECTION - 0.25' HMA PG 58H-22 OVER 0.33' CSTC
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
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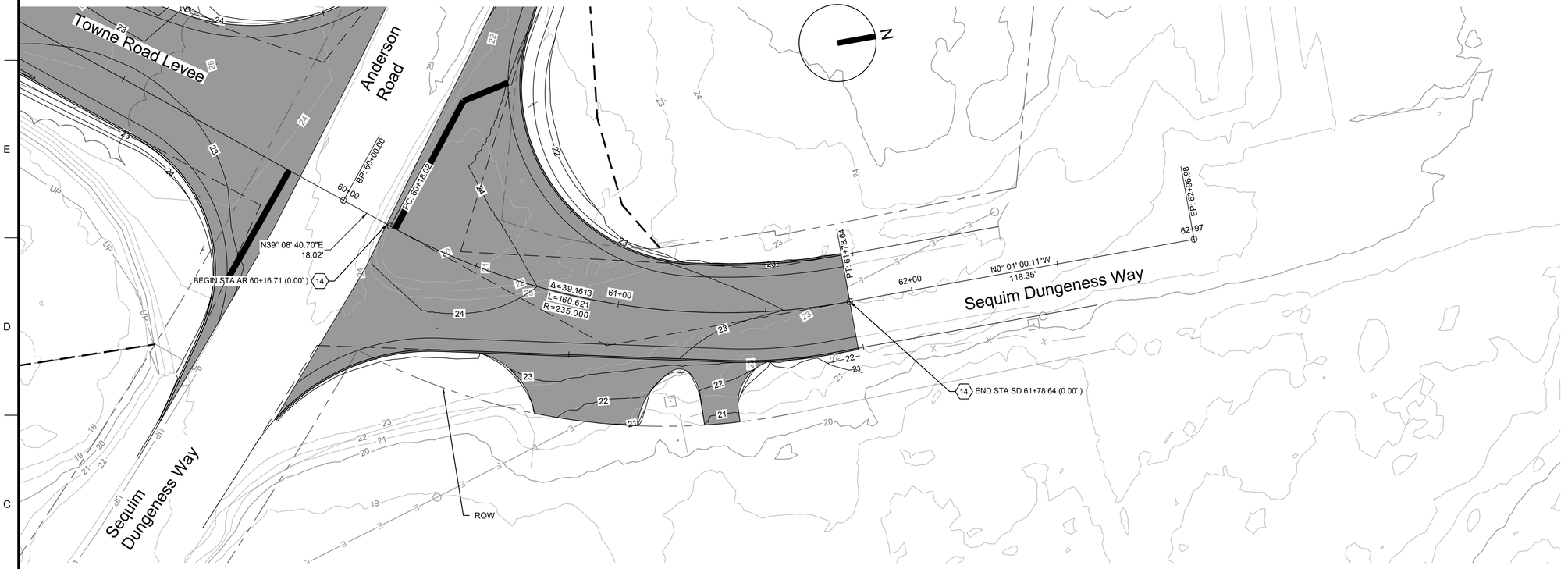
19. FILTER STRIP. SEE DRAINAGE DETAILS.

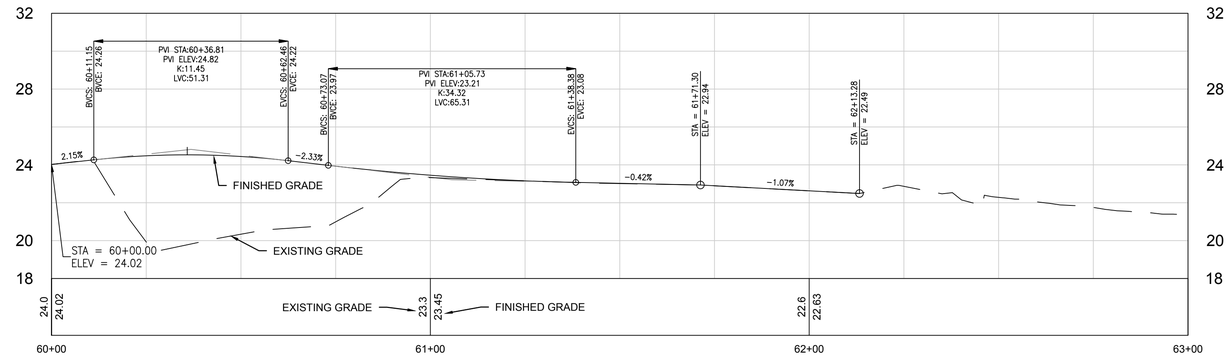
LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY
1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MADISON J. SKINNER
STATE OF WASHINGTON
42830
REGISTERED PROFESSIONAL ENGINEER
4/4/24

DESIGNED BY:	ISSUE DATE:
M. SKINNER	MARCH 2024
DRAWN BY:	SOLICITATION NO.:
M. SKINNER	
CHECKED BY:	CONTRACT NO.:
J. KEYES	52220-3
SUBMITTED BY:	
M. SKINNER	
	SIZE:
	ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

SEQUIM-DUNGENESS ROAD
PLAN AND PROFILE SHEET

SHEET ID

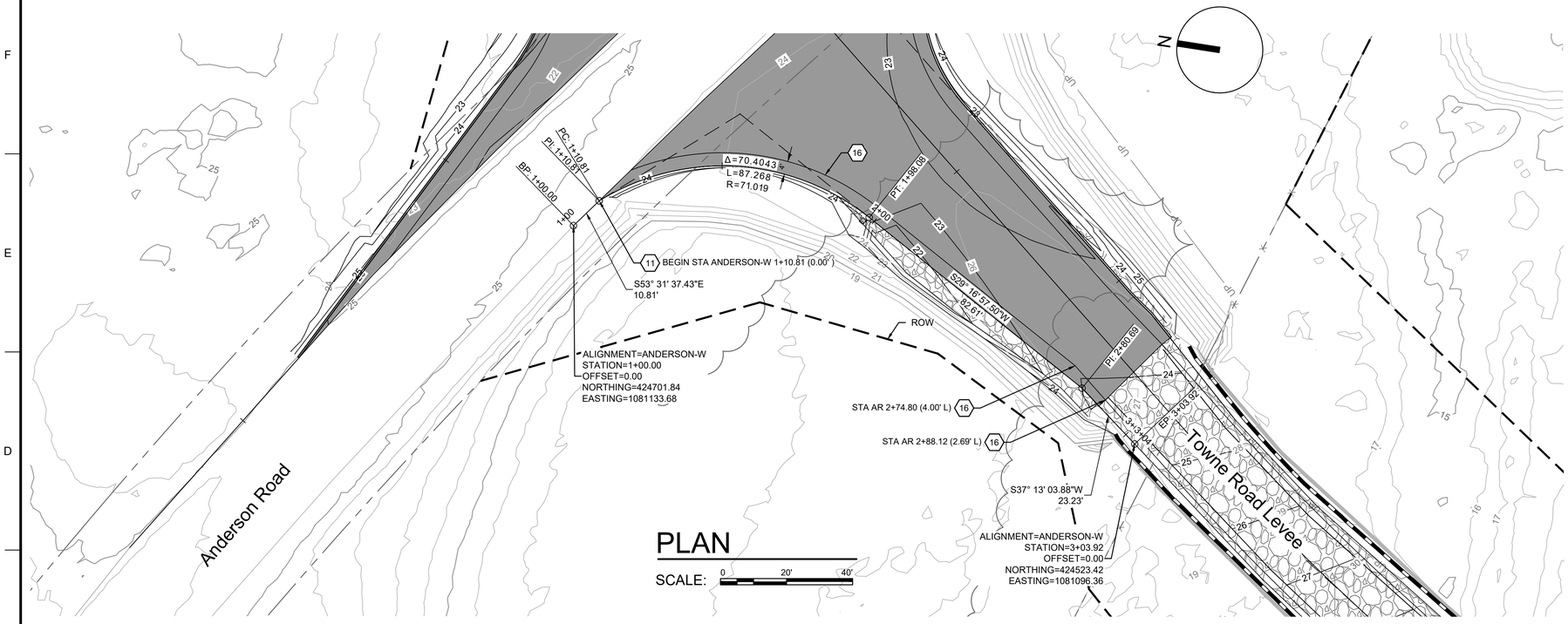
C-123

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
7. GUARDRAIL PLACEMENT STRONG POST - TYPE 31 INTERSECTION DESIGN PER WSDOT STD PLAN C-20.42
8. BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 24 PER WSDOT STD PLAN C-25.30
9. GUARDRAIL D CONNECTION TO CONCRETE BARRIER PER WSDOT STD PLAN C-24.10
10. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
11. HMA PAVEMENT SECTION - 0.25' HMA PG 58H-22 OVER 0.33' CSTC
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



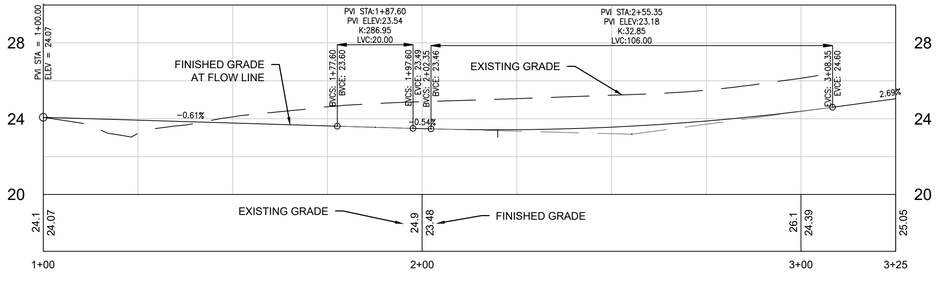
PLAN

SCALE: 0 20' 40'

PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'



DESIGNED BY:	M. SKINNER
DRAWN BY:	M. SKINNER
CHECKED BY:	J. KEYES
SUBMITTED BY:	M. SKINNER
ISSUE DATE:	MARCH 2024
SOLICITATION NO.:	
CONTRACT NO.:	52220-3
SIZE:	ANSI D

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MASON J. SKINNER — STATE OF WASHINGTON — 42830 — REGISTERED PROFESSIONAL ENGINEER

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

INTERSECTION WEST CURB RETURN PLAN AND PROFILE

SHEET ID

C-124

Ad-Ready

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
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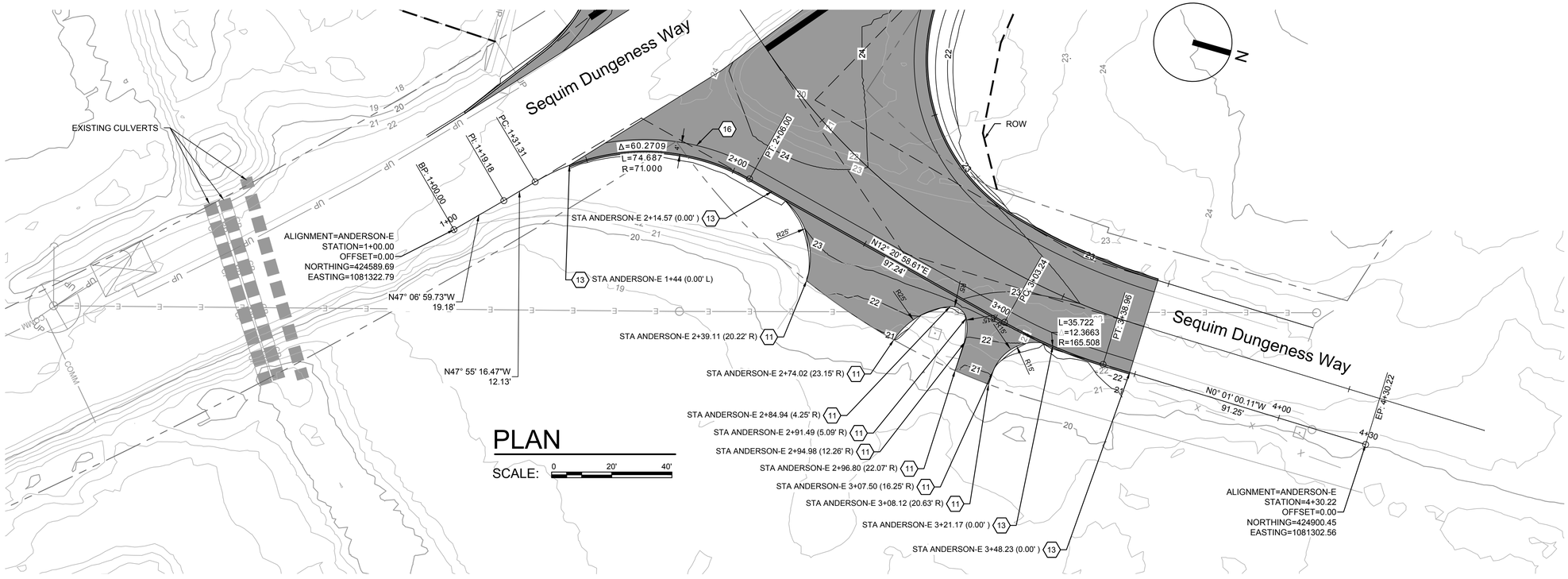
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

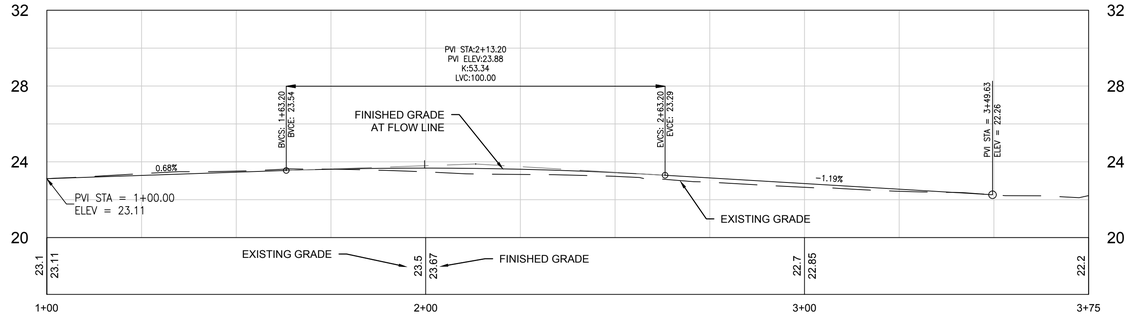
LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: HDR
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

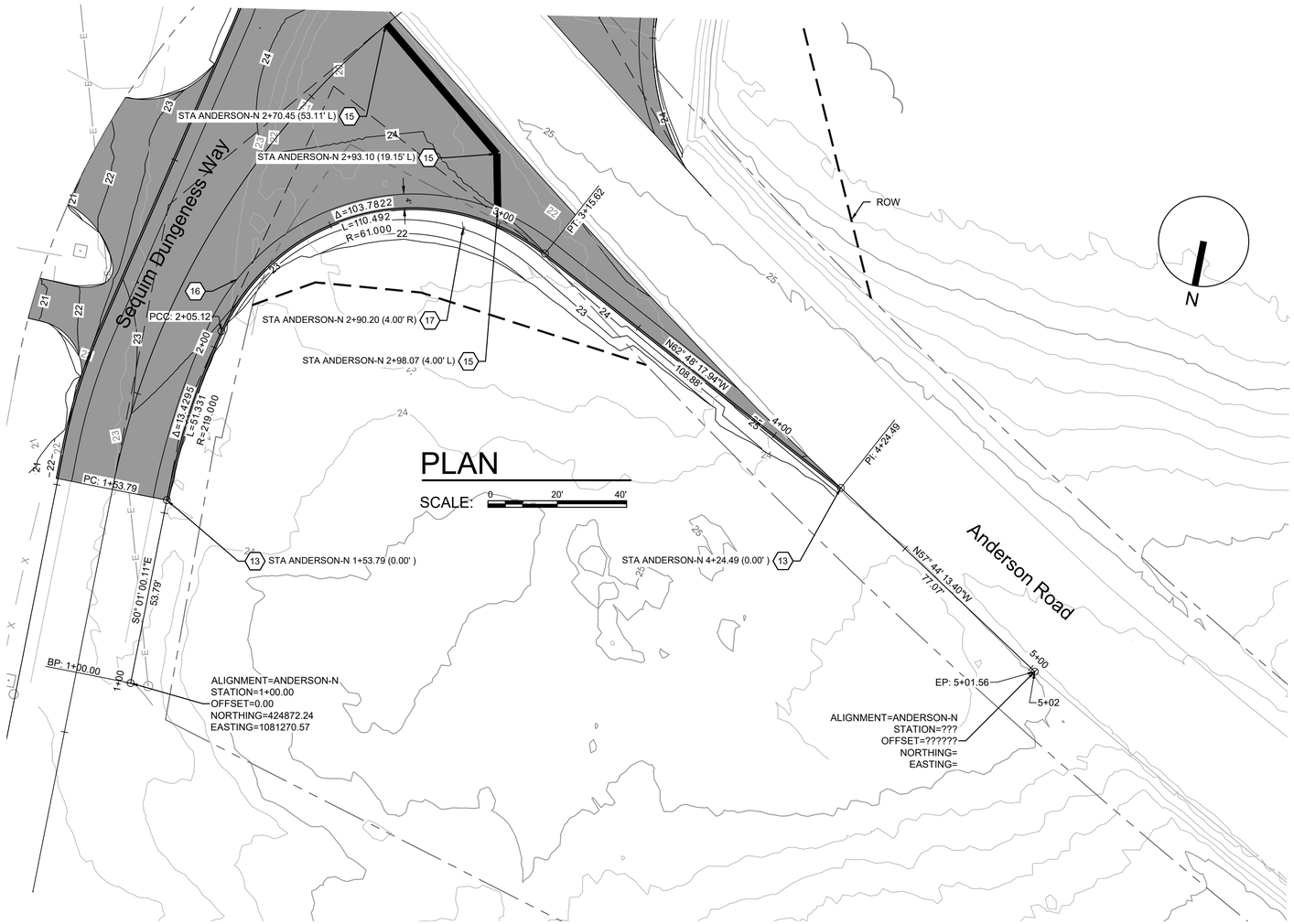
MARJORIE J. SKINNER — STATE OF WASHINGTON — 42830 — REGISTERED PROFESSIONAL ENGINEER — 4/4/24

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

INTERSECTION EAST CURB RETURN
PLAN AND PROFILE

SHEET ID
C-125

Ad-Ready



KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
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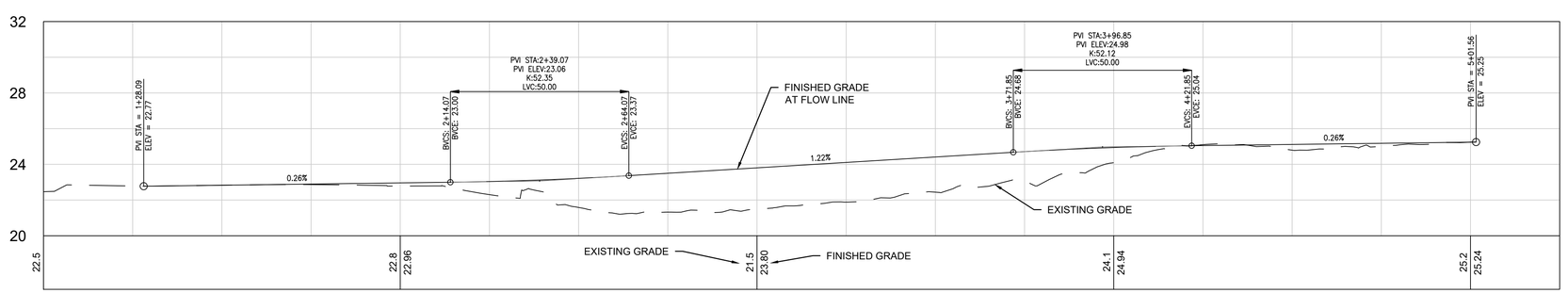
11. HMA PAVEMENT SECTION - 0.25' HMA PG 58H-22 OVER 0.33' CSTC
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

CLALLAM COUNTY EST. 1854

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MARGARET J. SKINNER — STATE OF WASHINGTON — 42830 — REGISTERED PROFESSIONAL ENGINEER

ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY:
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

INTERSECTION NORTH CURB RETURN PLAN AND PROFILE

SHEET ID
C-126

KEY NOTES:

1. COMPOST AMENDED VEGETATED FILTER STRIPS. SEE DRAINAGE DETAILS.
2. CRUSHED SURFACING TOP COURSE (CSTC)
3. CHIP SEAL SURFACING (BY OTHERS)
4. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10
5. BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL PER WSDOT STD PLAN C-22.45
6. BEAM GUARDRAIL TYPE 31 ANCHOR TYPE 11 PER WSDOT STD PLAN C-23.70
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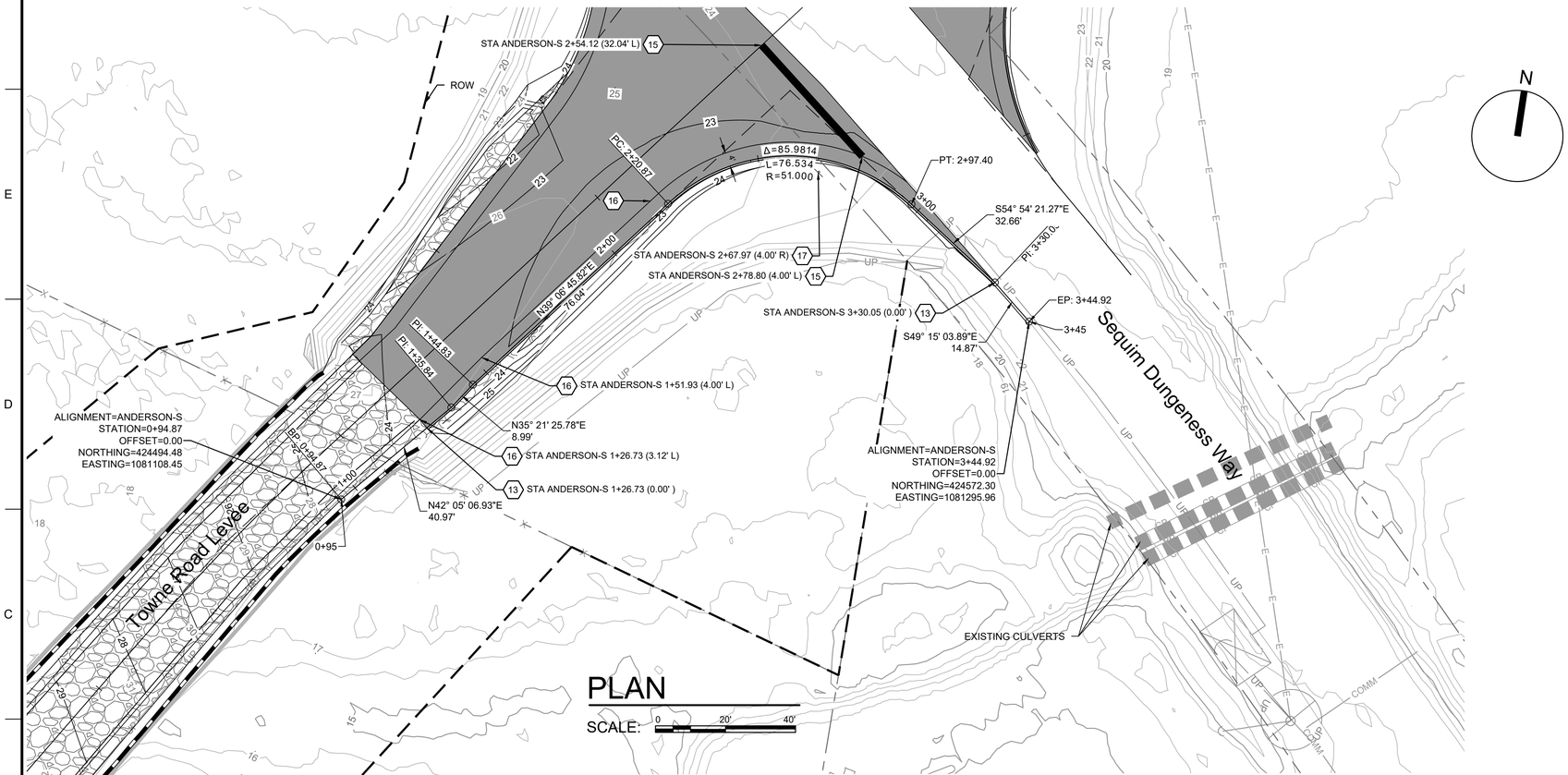
11. HMA PAVEMENT SECTION - 0.25' HMA PG 58H-22 OVER 0.33' CSTC
12. ACCESS GATE
13. HMA WEDGE CURB
14. YELLOW DOUBLE CENTER LINE PER WSDOT STD PLAN M-20.10
15. STOP LINE PER WSDOT STD PLAN M-24.60
16. WHITE EDGE LINE PER WSDOT STD PLAN M-20.10
17. STOP SIGN - TYPE R1-1, PER WSDOT STD PLAN G-20.10
18. RELOCATE EXISTING FENCE TO RIGHT-OF-WAY LINE
19. FILTER STRIP. SEE DRAINAGE DETAILS.

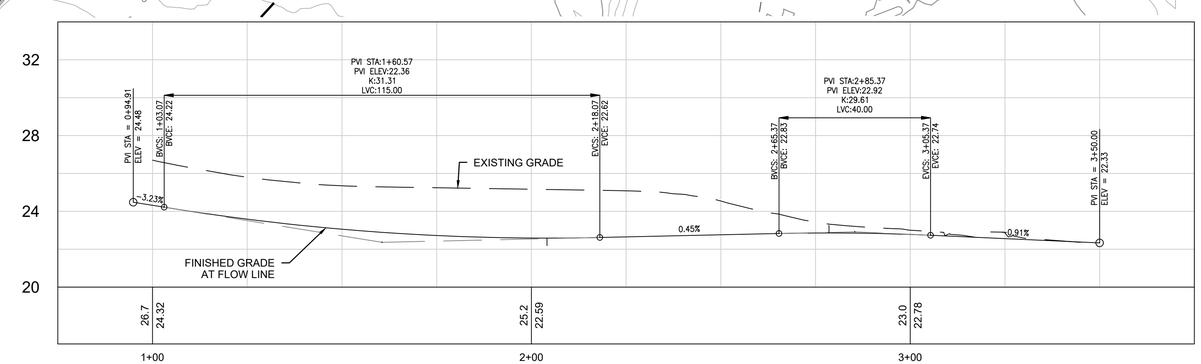
LEGEND

- CRUSHED SURFACING TOP COURSE
- 0.25' HMA PAVEMENT SURFACING OVER 0.33' CSTC
- COMPOST AMENDED VEGETATED FILTER STRIP



PLAN

SCALE: 0 20' 40'



PROFILE

HORIZONTAL SCALE: 0 20' 40'

VERTICAL SCALE: 0 4' 8'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: MSK
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

INTERSECTION SOUTH CURB RETURN PLAN AND PROFILE

SHEET ID
C-127

Last Saved by: MSKINNER on: Apr 4, 2024 9:17 AM File: c:\pwworking\west01\dms54431\21-1-12559C-226_SEQUIM DUNGENESS WAY CURB PLAN AND PROFILES.dwg

Ad-Ready

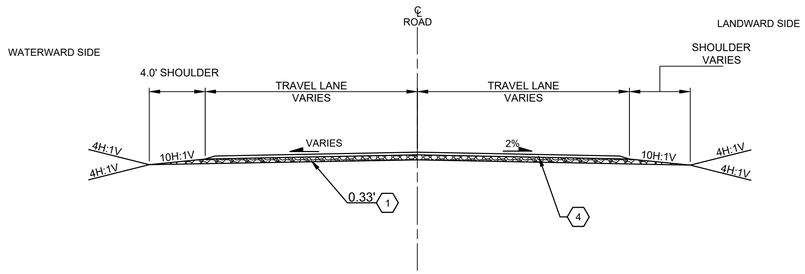
LEGEND

CRUSHED SURFACING TOP COURSE

HOT MIX ASPHALT

KEY NOTES:

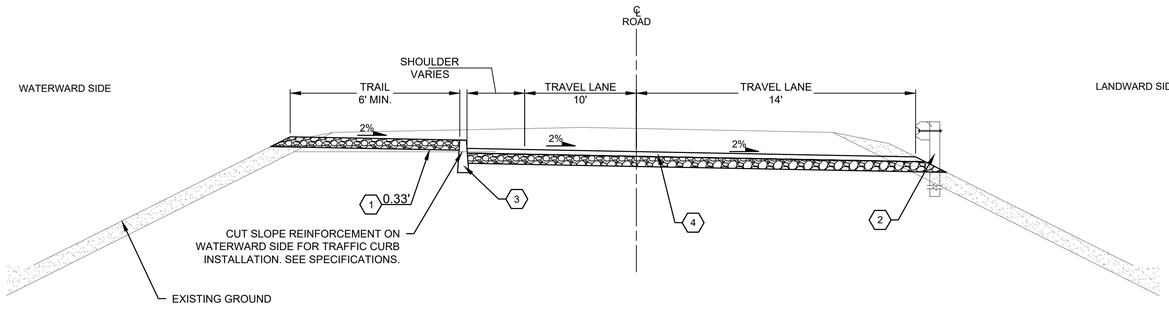
1. CRUSHED SURFACING TOP COURSE
2. GUARDRAIL TYPE 31
3. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
4. CHIP SEAL SURFACING (BY OTHERS)
5. HMA WEDGE CURB - SEE DETAIL A
6. MOMENT SLAB BARRIER - SEE STRUCTURAL PLANS
7. HMA CL 1/2 IN. PG 58H-22



1 TOWNE RD TYPICAL CROSS SECTION 1

SCALE: 0 5' 10'

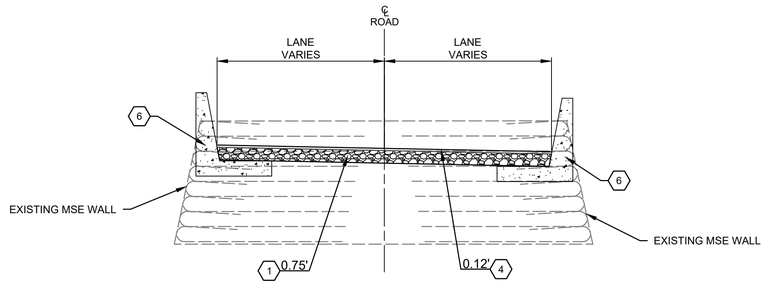
STA. TR 103+60.00 TO STA. TR 108+67.56 TRANSITION TO TYP. 2



2 TOWNE RD TYPICAL CROSS SECTION 2

SCALE: 0 5' 10'

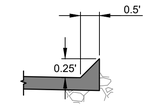
STA. TR 108+67.56 TO STA. TR 141+87.24 TRANSITION TO TYP. 3



3 TOWNE RD CAUSEWAY TYPICAL CROSS SECTION

SCALE: 0 5' 10'

STA. TR 141+87.24 TO STA. TR 143+69.51 TRANSITION TO TYP. 4



A HMA WEDGE CURB

SCALE: NTS

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: M. SKINNER
DRAWN BY: M. SKINNER
CHECKED BY: J. KEYES
SUBMITTED BY: HDR
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

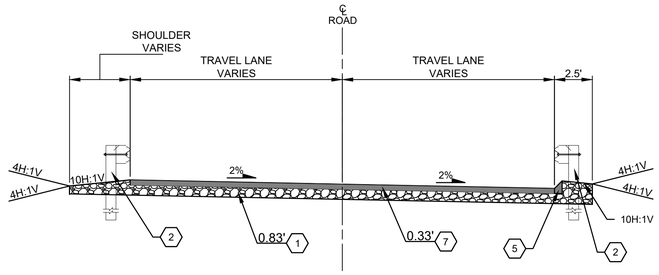
HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD TYPICAL SECTIONS SHEET

SHEET ID
C-128

Ad-Ready



LEGEND

CRUSHED SURFACING TOP COURSE

HOT MIX ASPHALT

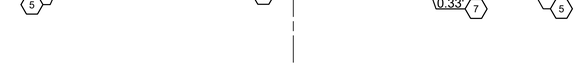
KEY NOTES:

1. CRUSHED SURFACING TOP COURSE
2. GUARDRAIL TYPE 31
3. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12-04
4. CHIP SEAL SURFACING (BY OTHERS)
5. HMA WEDGE CURB - SEE DETAIL A
6. MOMENT SLAB BARRIER - SEE STRUCTURAL PLANS
7. HMA CL 1/2 IN. PG 58H-22

4 TOWNE RD HMA TYPICAL CROSS SECTION

SCALE: 0 5' 10'

STA. TR 143+69.51 TO STA. TR 145+17



5 SEQUIM-DUNGENESS RD TYPICAL CROSS SECTION

SCALE: 0 5' 10'

STA. TR 60+16.71 TO STA. TR 61+78.64

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

MADISON J. SKINNER — STATE OF WASHINGTON — 42930 — REGISTERED PROFESSIONAL ENGINEER — 4/4/24

DESIGNED BY:	M. SKINNER
DRAWN BY:	M. SKINNER
CHECKED BY:	J. KEYES
SUBMITTED BY:	
SIZE:	ANSI D
ISSUE DATE:	APRIL 2024
SOLICITATION NO.:	334.16.005
CONTRACT NO.:	21-1-12559-100

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

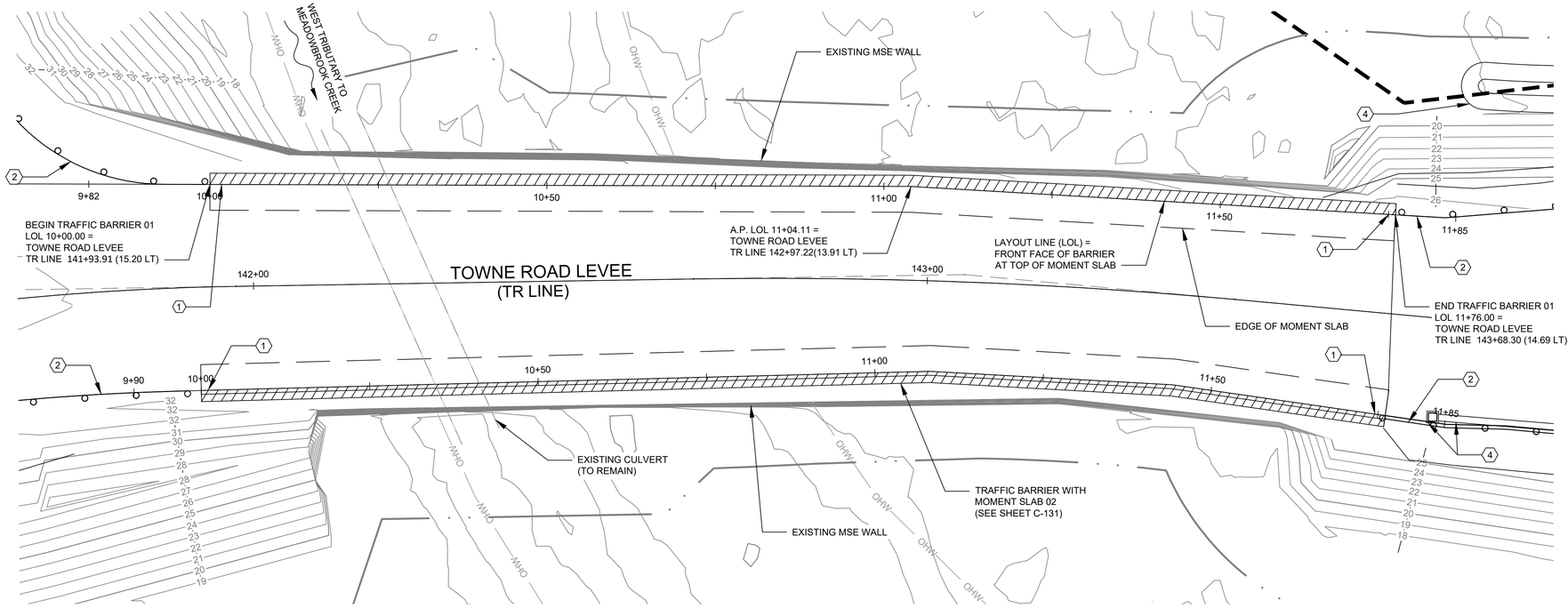
HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION
& LEVEE/ROAD REALIGNMENT PROJECT

TOWNE ROAD TYPICAL SECTIONS SHEET

SHEET ID

C-129



TRAFFIC BARRIER WITH MOMENT SLAB 01 - PLAN

GENERAL NOTES

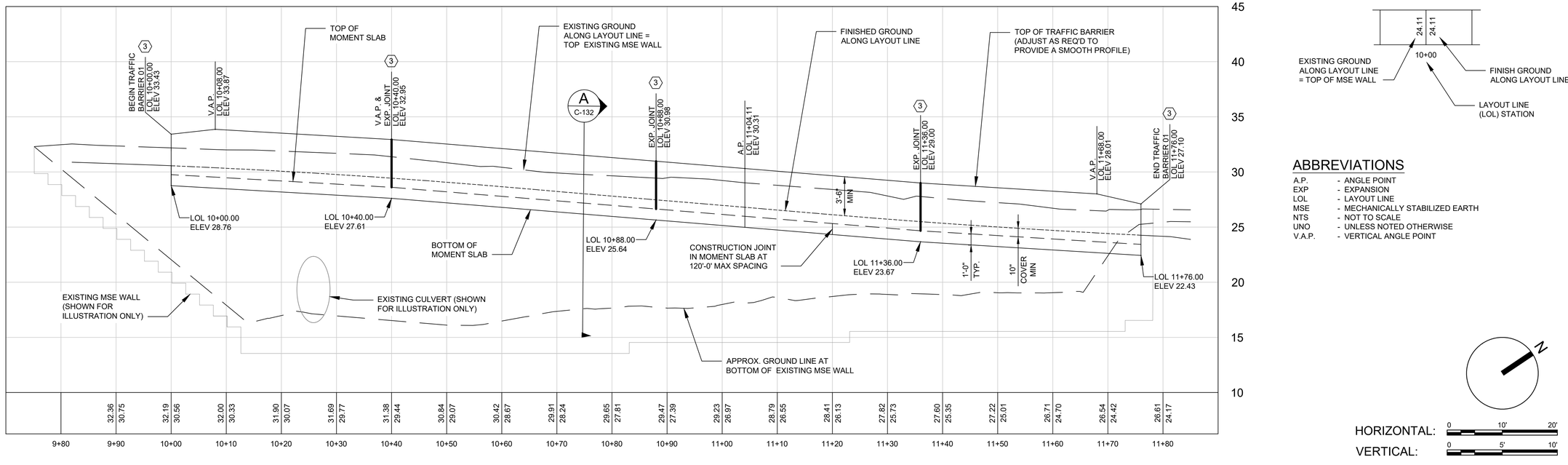
1. STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION 2020 & THE WSDOT BRIDGE DESIGN MANUAL (BDM) SEPT 2023 EDITION.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2024, AND THE SPECIAL PROVISIONS.
3. REINFORCING STEEL SHALL BE DEFORMED BARS AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 (Fy=60 KSI)
4. ALL CAST-IN-PLACE CONCRETE SHALL CONFORM TO REQUIREMENTS OF CONCRETE CL 4000.
5. EXISTING GROUND LINES AND CONTOURS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
6. EXISTING MSE WALL AND CULVERT IS SHOWN FOR ILLUSTRATIONS PURPOSES ONLY AND IS NOT GUARANTEED TO BE ACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

KEY NOTES

1. GUARDRAIL TRANSITION CONNECTION TYPE F SEE WSDOT STD PLANS C-7 AND C-24.10-04 FOR DETAILS
2. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10-09
3. TRAFFIC BARRIER END SEGMENT. TYPICAL EACH SIDE OF EXPANSION JOINT AND AT ENDS OF BARRIER.
4. STORM DRAIN STRUCTURE, PIPE, OUTFALL PROTECTION SYSTEM, OR BIORETENTION SWALE. SEE DRAINAGE SHEETS FOR DETAILS.

LEGEND

- TRAFFIC BARRIER W/ MOMENT SLAB
- PROJECT CONSTRUCTION LIMITS
- RIGHT OF WAY LINE



TRAFFIC BARRIER WITH MOMENT SLAB 01 - REFLECTED DEVELOPED ELEVATION

ABBREVIATIONS

A.P.	- ANGLE POINT
EXP	- EXPANSION
LOL	- LAYOUT LINE
MSE	- MECHANICALLY STABILIZED EARTH
NTS	- NOT TO SCALE
UNO	- UNLESS NOTED OTHERWISE
V.A.P.	- VERTICAL ANGLE POINT

HORIZONTAL: 0 10' 20'

VERTICAL: 0 5' 10'

REV	DATE	DESCRIPTION

DESIGNED BY: S. KHINVASARA
DRAWN BY: S. KHINVASARA
CHECKED BY: J. VO
SUBMITTED BY: VIET VO
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

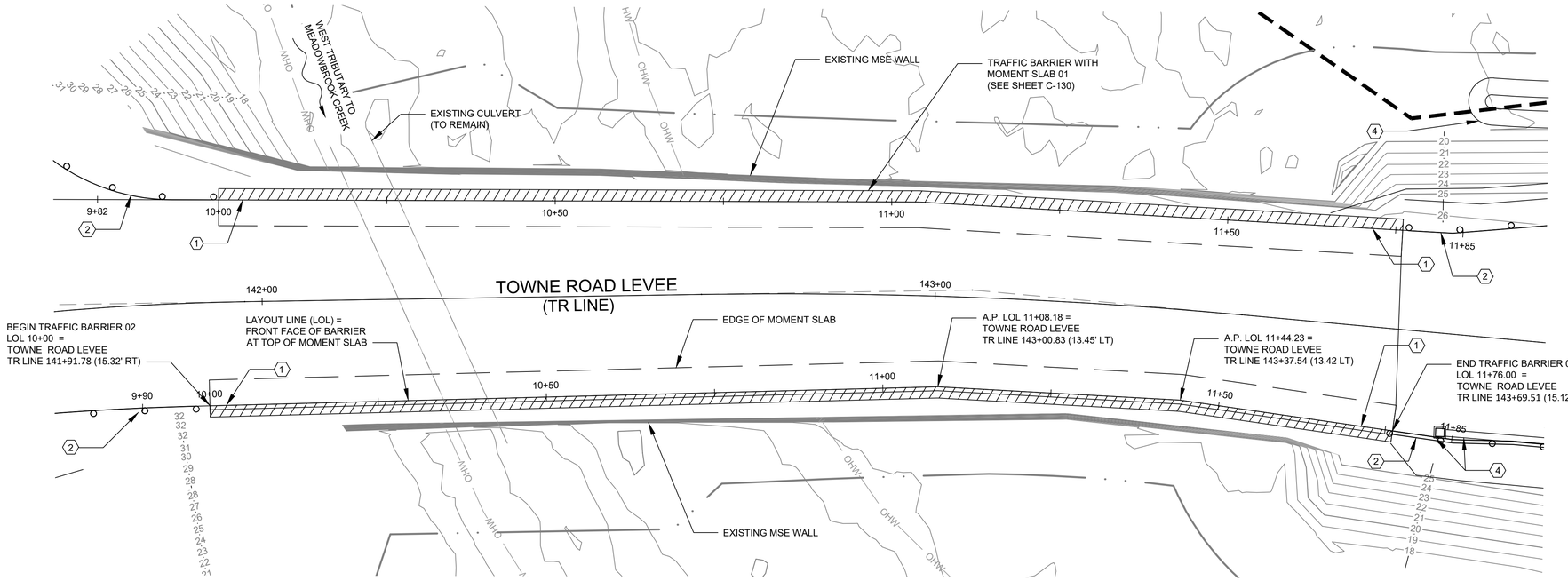
CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

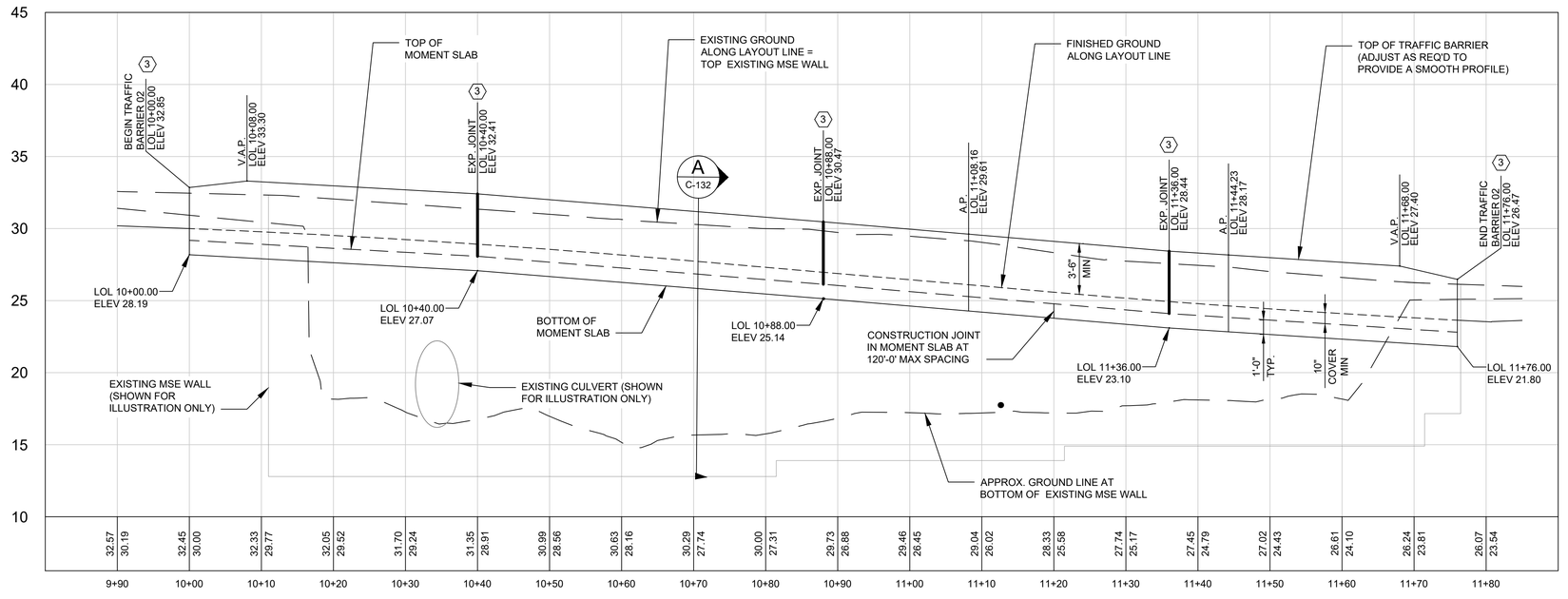
DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC BARRIER WITH MOMENT SLAB 01
PLAN AND ELEVATION

SHEET ID
C-130



TRAFFIC BARRIER WITH MOMENT SLAB 02 - PLAN



TRAFFIC BARRIER WITH MOMENT SLAB 02- DEVELOPED ELEVATION

GENERAL NOTES

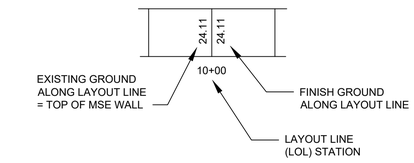
1. STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION 2020 & THE WSDOT BRIDGE DESIGN MANUAL (BDM) SEPT 2023 EDITION.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION DATED 2024, AND THE SPECIAL PROVISIONS.
3. REINFORCING STEEL SHALL BE DEFORMED BARS AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 (Fy=60 KSI)
4. ALL CAST-IN-PLACE CONCRETE SHALL CONFORM TO REQUIREMENTS OF CONCRETE CL 4000.
5. EXISTING GROUND LINES AND CONTOURS ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD PRIOR TO CONSTRUCTION.
6. EXISTING MSE WALL AND CULVERT IS SHOWN FOR ILLUSTRATIONS PURPOSES ONLY AND IS NOT GUARANTEED TO BE ACCURATE. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

KEY NOTES

1. GUARDRAIL TRANSITION CONNECTION TYPE F SEE WSDOT STD PLANS C-7 AND C-24.10-04 FOR DETAILS
2. BEAM GUARDRAIL TYPE 31 PER WSDOT STD PLAN C-20.10-09
3. TRAFFIC BARRIER END SEGMENT. TYPICAL EACH SIDE OF EXPANSION JOINT AND AT ENDS OF BARRIER.
4. STORM DRAIN STRUCTURE, PIPE, OUTFALL PROTECTION SYSTEM, OR BIORETENTION SWALE. SEE DRAINAGE SHEETS FOR DETAILS.

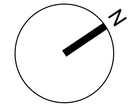
LEGEND

- TRAFFIC BARRIER W/ MOMENT SLAB
- PROJECT CONSTRUCTION LIMITS
- RIGHT OF WAY LINE



ABBREVIATIONS

A.P.	- ANGLE POINT
EXP	- EXPANSION
LOL	- LAYOUT LINE
MSE	- MECHANICALLY STABILIZED EARTH
NTS	- NOT TO SCALE
UNO	- UNLESS NOTED OTHERWISE
V.A.P.	- VERTICAL ANGLE POINT



HORIZONTAL: 0 10' 20'

VERTICAL: 0 5' 10'

CLALLAM COUNTY
1854

REV	DATE	DESCRIPTION

JOHN VIET THANH VO — STATE OF WASHINGTON — 50525 — REGISTERED PROFESSIONAL ENGINEER — 3/27/2024

DESIGNED BY: S. KHINVASARA	ISSUE DATE: MARCH 2024
DRAWN BY: S. KHINVASARA	SOLICITATION NO.:
CHECKED BY: J. VO	CONTRACT NO.: 52220-3
SUBMITTED BY: VO	
	SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC BARRIER WITH MOMENT SLAB 02
PLAN AND ELEVATION

SHEET ID

C-131

KEY NOTES

(1) THRU (4) NOT USED ON THIS SHEET

REMOVAL OF STRUCTURES AND OBSTRUCTIONS (SEE NOTE 4):

(5) REMOVE EXISTING GRAVITY BLOCKS

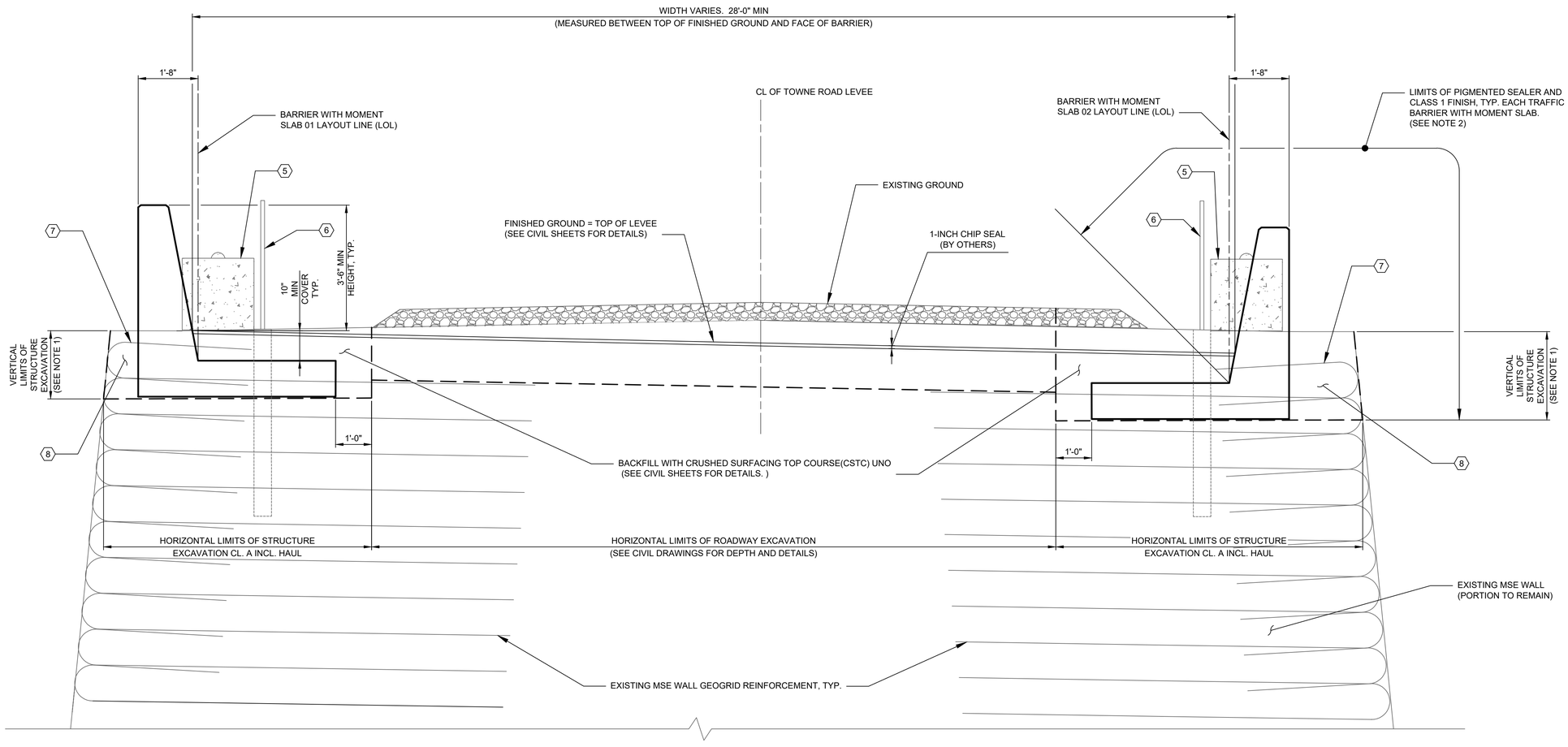
(6) REMOVE EXISTING PEDESTRIAN RAILING AND FOOTERS. REMOVE RAILING FOOTERS 1-FT MIN BELOW MOMENT SLAB. BACKFILL ALL VOIDS.

(7) REMOVE EXISTING MSE WALL GEOGRID REINFOREMENT AND GEOTEXTILE WALL FACING FABRIC

(8) REMOVE EXISTING GRAVEL BORROW FOR STRUCTURAL EARTH WALLS

GENERAL NOTES

1. STRUCTURE EXCAVATION CLASS A HORIZONTAL AND VERTICAL LIMITS ARE SHOWN FOR REFERENCE ONLY. ALL COSTS ASSOCIATED WITH THE WORK TO REMOVE THE EXISTING MSE WALL SHALL BE CONSIDERED INCIDENTAL TO THE TRAFFIC BARRIER WITH MOMENT SLAB LUMP SUM COST. SEE SPECIAL PROVISIONS FOR DETAILS.
2. TRAFFIC BARRIERS WITH MOMENT SLABS SHALL RECEIVE A CLASS 1 FINISH AND BE PAINTED WITH A PIGMENTED SEALER TO THE LIMITS SHOWN. PIGMENTED SEALER COLOR SHALL BE WASHINGTON GRAY. SUBMIT PIGMENTED SEALER PRODUCT DATA AND COLOR DRAWDOWN SAMPLES IN ACCORDANCE WITH SECTION 9-08.3(1) OF THE STD SPECIFICATIONS.
3. CONTRACTOR SHALL ONLY REMOVE AS MUCH OF THE EXISTING MSE WALL AS REQUIRED TO COMPLETE THE WORK. ANY ADDITIONAL REMOVAL BEYOND THE LIMITS OR DAMAGE TO THE EXISTING MSE WALL SHALL BE REPAIRED. SUBMIT REPAIR PROCEDURE TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION TRAFFIC BARRIERS WITH MOMENT SLABS.
4. ALL WORK AND ASSOCIATED COSTS TO REMOVE STRUCTURES AND OBSTRUCTIONS SHALL BE CONSIDERED INCIDENTAL TO THE ADJACENT TRAFFIC BARRIER WITH MOMENT SLAB LUMP SUM COST U.N.O.



TRAFFIC BARRIER WITH MOMENT SLAB - TYPICAL SECTION

A
C-130
C-131

SCALE: NTS

(LOOKING AHEAD ON STATION)
(EXISTING MSE WALL NOT ALL SHOWN FOR CLARITY)
(U.N.O. ALL HORIZONTAL DIMENSIONS ARE TAKEN NORMAL TO TOWNE ROAD LEVEE CENTER LINE)

REV	DATE	DESCRIPTION

JOHN T. THANH VO — STATE OF WASHINGTON — 20158 — REGISTERED PROFESSIONAL ENGINEER — 3/27/24

ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

DESIGNED BY: S. KHINVASARA
DRAWN BY: S. KHINVASARA
CHECKED BY: J. VO
SUBMITTED BY: HDR
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

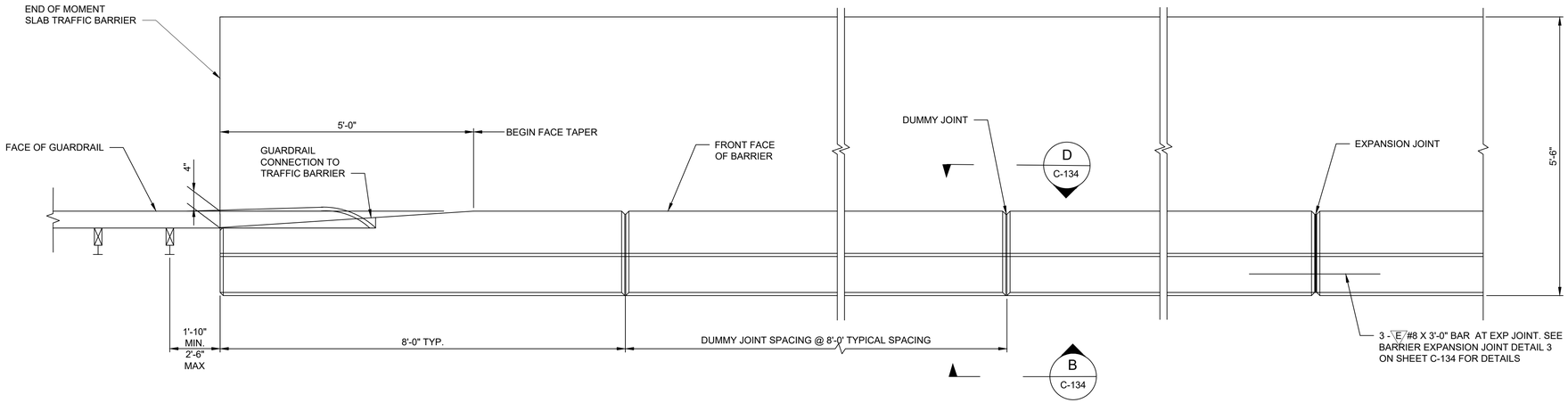
DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC BARRIER WITH MOMENT SLAB
TYPICAL SECTION

SHEET ID
C-132

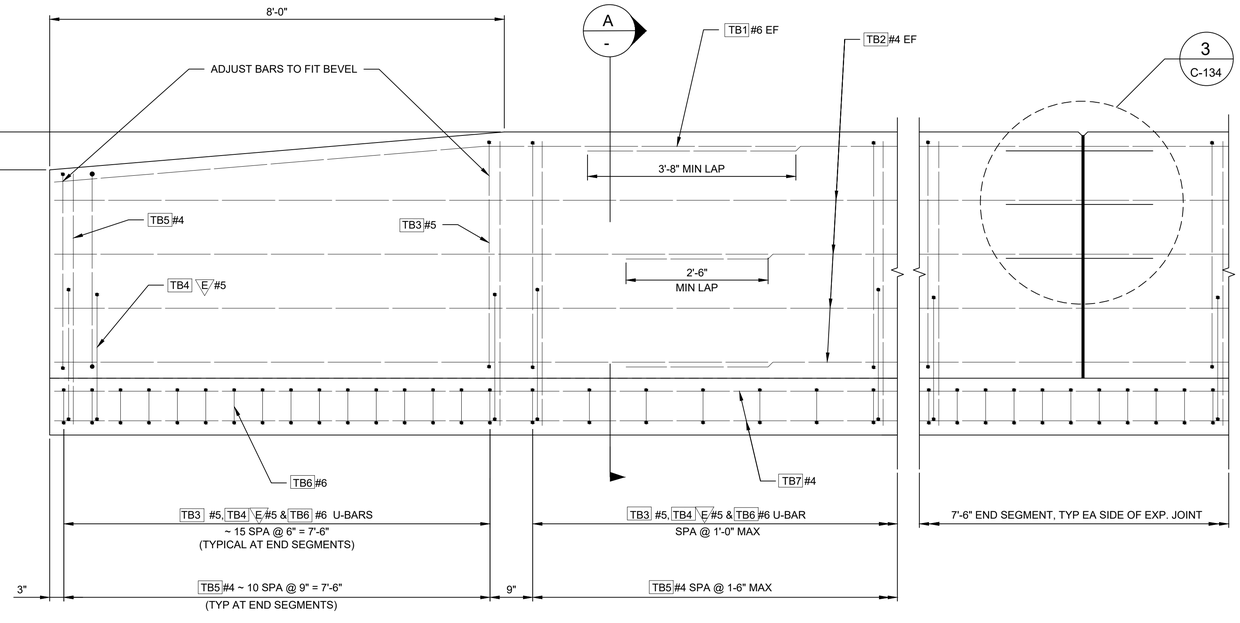
KEY NOTES

1. FUTURE 1-INCH CHIPSEAL (BY OTHERS)



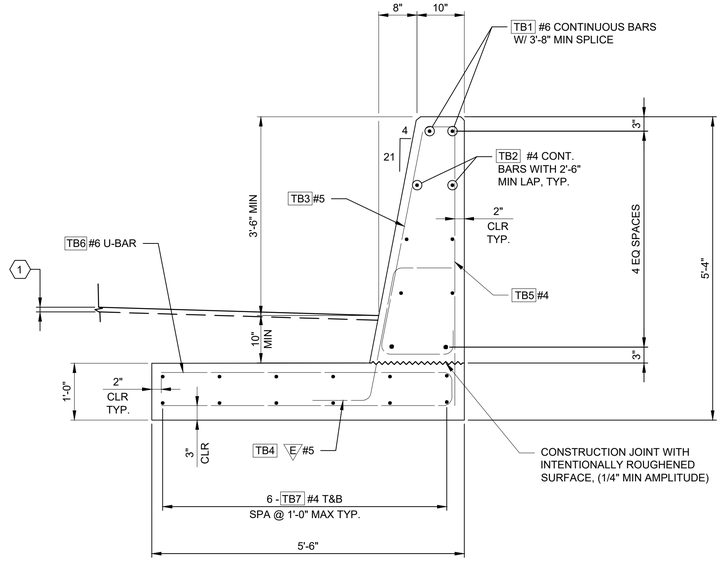
1 / - TRAFFIC BARRIER WITH MOMENT SLAB - PARTIAL PLAN

NTS



2 / - TRAFFIC BARRIER WITH MOMENT SLAB REINF LAYOUT - PARTIAL ELEVATION

NTS



A / - REINF. - TYPICAL SECTION

NTS

REV	DATE	DESCRIPTION

DESIGNED BY: S. KHINVASARA
DRAWN BY: S. KHINVASARA
CHECKED BY: J. VO
SUBMITTED BY: HDR
SIZE: ANSI D
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

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DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER LEVEE FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC BARRIER AND MOMENT SLAB DETAILS SHEET 1

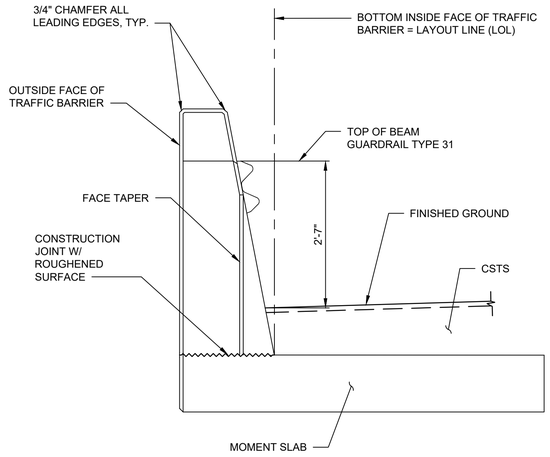
SHEET ID

C-133

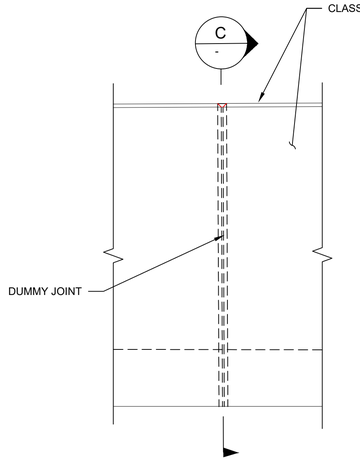
JOHN THANH VO STATE OF WASHINGTON 25021 REGISTERED PROFESSIONAL ENGINEER 3/26/2024

KEY NOTES

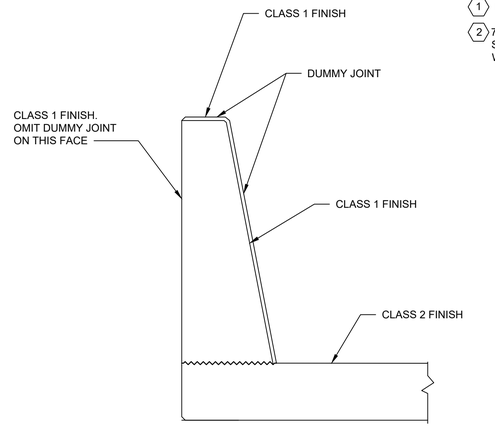
1. FUTURE 1-INCH CHIPSEAL (BY OTHERS)
2. 7/8" 0 ROCKET/KOHLER F-50, LANCASTER MALLEABLE, OR DAYTON/RICHMOND F 62 FLARED THIN SLAB FERRULE INSERTS OR APPROVED EQUAL (TYP.). RESIN BONDED ANCHORS IN ACCORDANCE WITH STANDARD SPECIFICATIONS 6-02.3(18)A AND 9-06.4 MAY BE SUBSTITUTED.



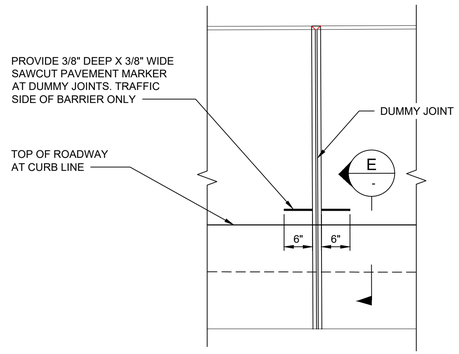
END VIEW
NTS



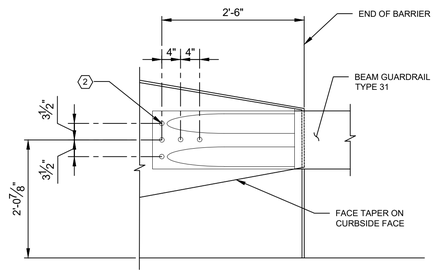
B C-133 VIEW
NTS



C - SECTION
NTS

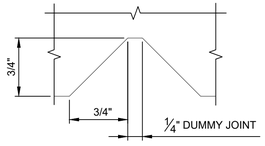


D C-133 VIEW
NTS

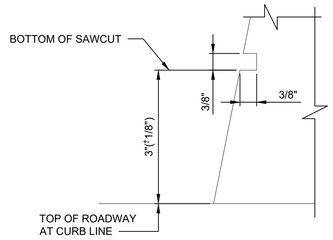


ELEVATION - TRAFFIC BARRIER GUARDRAIL CONNECTION
NTS

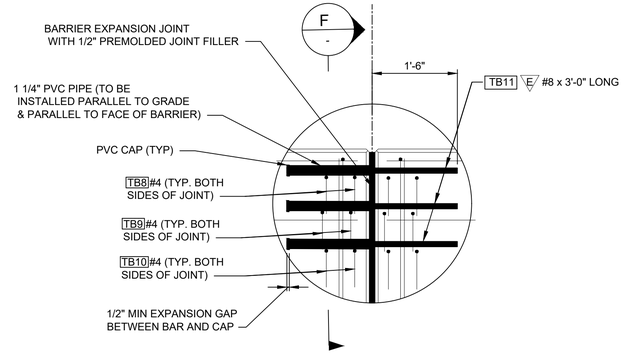
BEAM GUARDRAIL END SECTION DESIGN "F" SHOWN (SEE STD. PLAN C-7)



DUMMY JOINT DETAIL
NTS

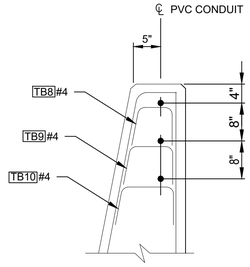


E - SECTION
NTS



3 C-133 BARRIER EXPANSION JOINT DETAIL
NTS

ENSURE THAT NO CONCRETE ENTERS PVC PIPE DURING CONCRETE PLACEMENT



F - BARRIER EXPANSION JOINT SECTION
NTS

TRAFFIC BARRIER WITH MOMENT SLAB - BAR BEND DIAGRAM

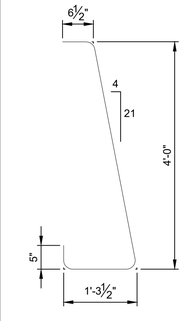
ALL DIMENSIONS ARE OUT TO OUT.

ALL REINF. FOR THE BARRIERS WITH MOMENT SLAB SHALL BE ASTM A706 GRADE 60

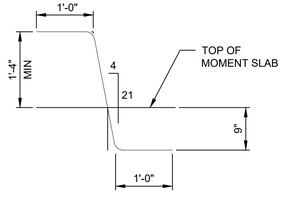
E EPOXY COATED

U.N.O. MIN. LAP LENGTHS SHALL BE AS FOLLOWS:

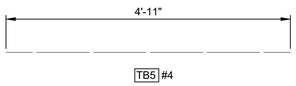
#4 BAR - 2'-0" MIN.
#5 BAR - 2'-6" MIN.
#6 BAR - 3'-8" MIN.



TB3 #5



TB4 E #5



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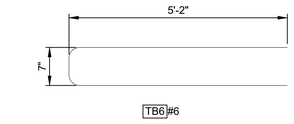
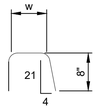


TB6 #6



TB8 W = 6 1/2"
TB9 W = 8"
TB10 W = 9 1/2"

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

REV	DATE	DESCRIPTION

DESIGNED BY: S. KHINVASARA
DRAWN BY: S. KHINVASARA
CHECKED BY: J. VO
SUBMITTED BY: SDEA
ISSUE DATE: MARCH 2024
SOLICITATION NO.:
CONTRACT NO.: 52220-3
SIZE: ANSI D

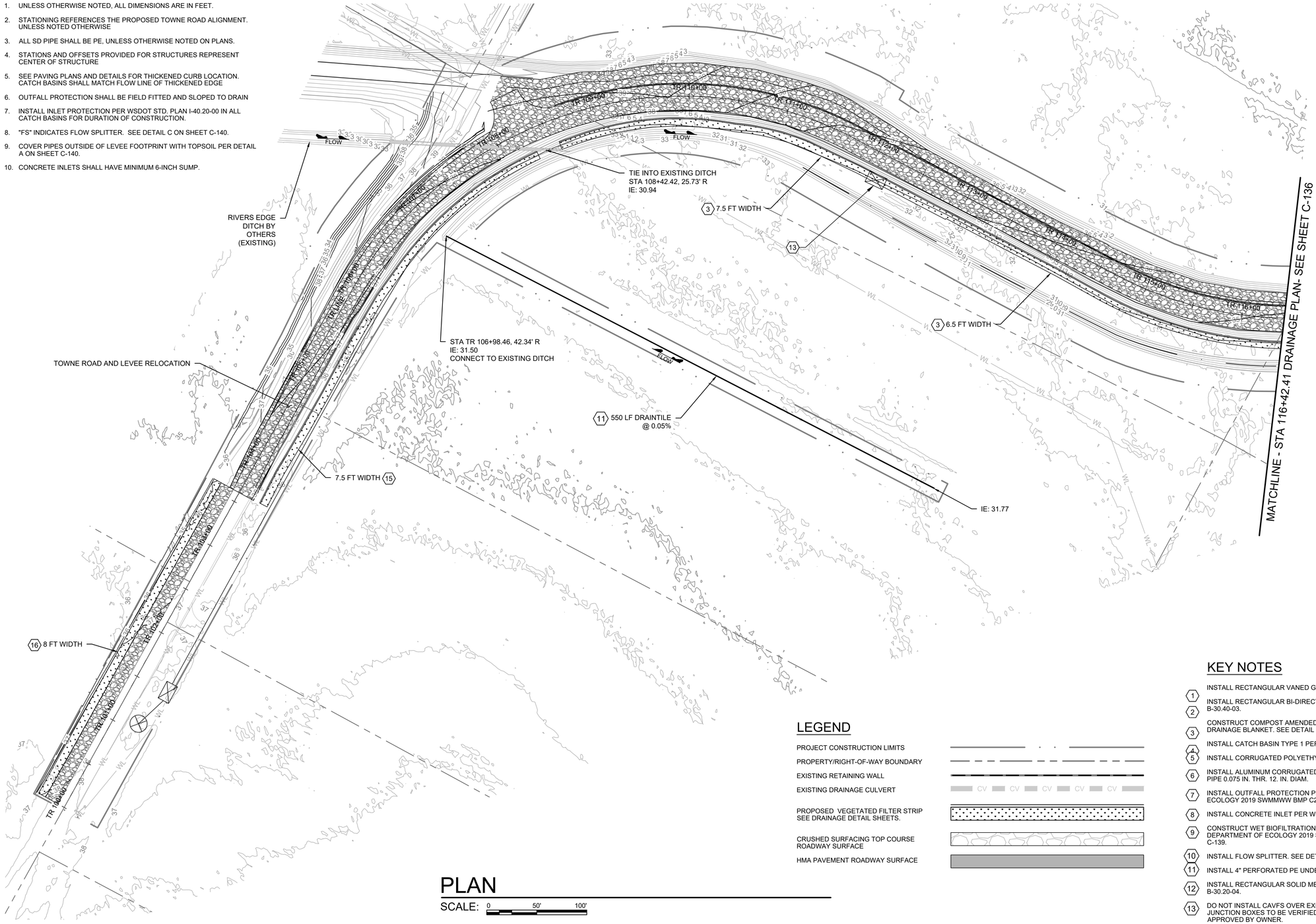
DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER LEVEE FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

TRAFFIC BARRIER WITH MOMENT SLAB DETAILS SHEET 2

SHEET ID
C-134

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET.
2. STATIONING REFERENCES THE PROPOSED TOWNE ROAD ALIGNMENT. UNLESS NOTED OTHERWISE
3. ALL SD PIPE SHALL BE PE, UNLESS OTHERWISE NOTED ON PLANS.
4. STATIONS AND OFFSETS PROVIDED FOR STRUCTURES REPRESENT CENTER OF STRUCTURE
5. SEE PAVING PLANS AND DETAILS FOR THICKENED CURB LOCATION. CATCH BASINS SHALL MATCH FLOW LINE OF THICKENED EDGE
6. OUTFALL PROTECTION SHALL BE FIELD FITTED AND SLOPED TO DRAIN
7. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00 IN ALL CATCH BASINS FOR DURATION OF CONSTRUCTION.
8. "FS" INDICATES FLOW SPLITTER. SEE DETAIL C ON SHEET C-140.
9. COVER PIPES OUTSIDE OF LEVEE FOOTPRINT WITH TOPSOIL PER DETAIL A ON SHEET C-140.
10. CONCRETE INLETS SHALL HAVE MINIMUM 6-INCH SUMP.



LEGEND

- PROJECT CONSTRUCTION LIMITS
- PROPERTY/RIGHT-OF-WAY BOUNDARY
- EXISTING RETAINING WALL
- EXISTING DRAINAGE CULVERT
- PROPOSED VEGETATED FILTER STRIP SEE DRAINAGE DETAIL SHEETS.
- CRUSHED SURFACING TOP COURSE ROADWAY SURFACE
- HMA PAVEMENT ROADWAY SURFACE

KEY NOTES

1. INSTALL RECTANGULAR VANED GRATE PER WSDOT STD. PLAN B-30.30-03.
2. INSTALL RECTANGULAR BI-DIRECTIONAL GRATE PER WSDOT STD. PLAN B-30.40-03.
3. CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITH DRAINAGE BLANKET. SEE DETAIL A SHEET C-139.
4. INSTALL CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03.
5. INSTALL CORRUGATED POLYETHYLENE STORM SEWER 12 IN. DIAM.
6. INSTALL ALUMINUM CORRUGATED STORM SEWER: TR. 5 AL. STORM SEWER PIPE 0.075 IN. THR. 12. IN. DIAM.
7. INSTALL OUTFALL PROTECTION PER STATE OF WASHINGTON DEPARTMENT OF ECOLOGY 2019 SWMMWW BMP C209. SEE DETAILS A SHEET C-140.
8. INSTALL CONCRETE INLET PER WSDOT STD. PLAN B-25.60-03.
9. CONSTRUCT WET BIOFILTRATION SWALE PER STATE OF WASHINGTON DEPARTMENT OF ECOLOGY 2019 SWMMWW BMP T7.30. SEE DETAIL B, SHEET C-139.
10. INSTALL FLOW SPLITTER. SEE DETAIL B ON SHEET C-140.
11. INSTALL 4" PERFORATED PE UNDERDRAIN DRAINTILE. SEE SHEET C-139.
12. INSTALL RECTANGULAR SOLID METAL COVER PER WSDOT STD. PLAN B-30.20-04.
13. DO NOT INSTALL CAVFS OVER EXISTING JUNCTION BOXES. LOCATION OF JUNCTION BOXES TO BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND APPROVED BY OWNER.
14. INSTALL CATCH BASIN TYPE 1L PER WSDOT STD. PLAN B-5.40-02.
15. CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITHOUT DRAINAGE BLANKET. SEE DETAIL D SHEET C-139.
16. CONSTRUCT BASIC FILTER STRIP. SEE DETAIL D SHEET C-140.

PLAN

SCALE: 0 50' 100'

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: R. HADDELAND
DRAWN BY: C. WILCOX
CHECKED BY: S. JOHNSON
SUBMITTED BY:
SIZE: ANSI D
ISSUE DATE: JUNE 2023
SOLICITATION NO.: 334.16.005
CONTRACT NO.: 21-1-12559-100

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE /ROAD REALIGNMENT PROJECT

TOWNE ROAD AND LEVEE DRAINAGE PLAN SHEET 1

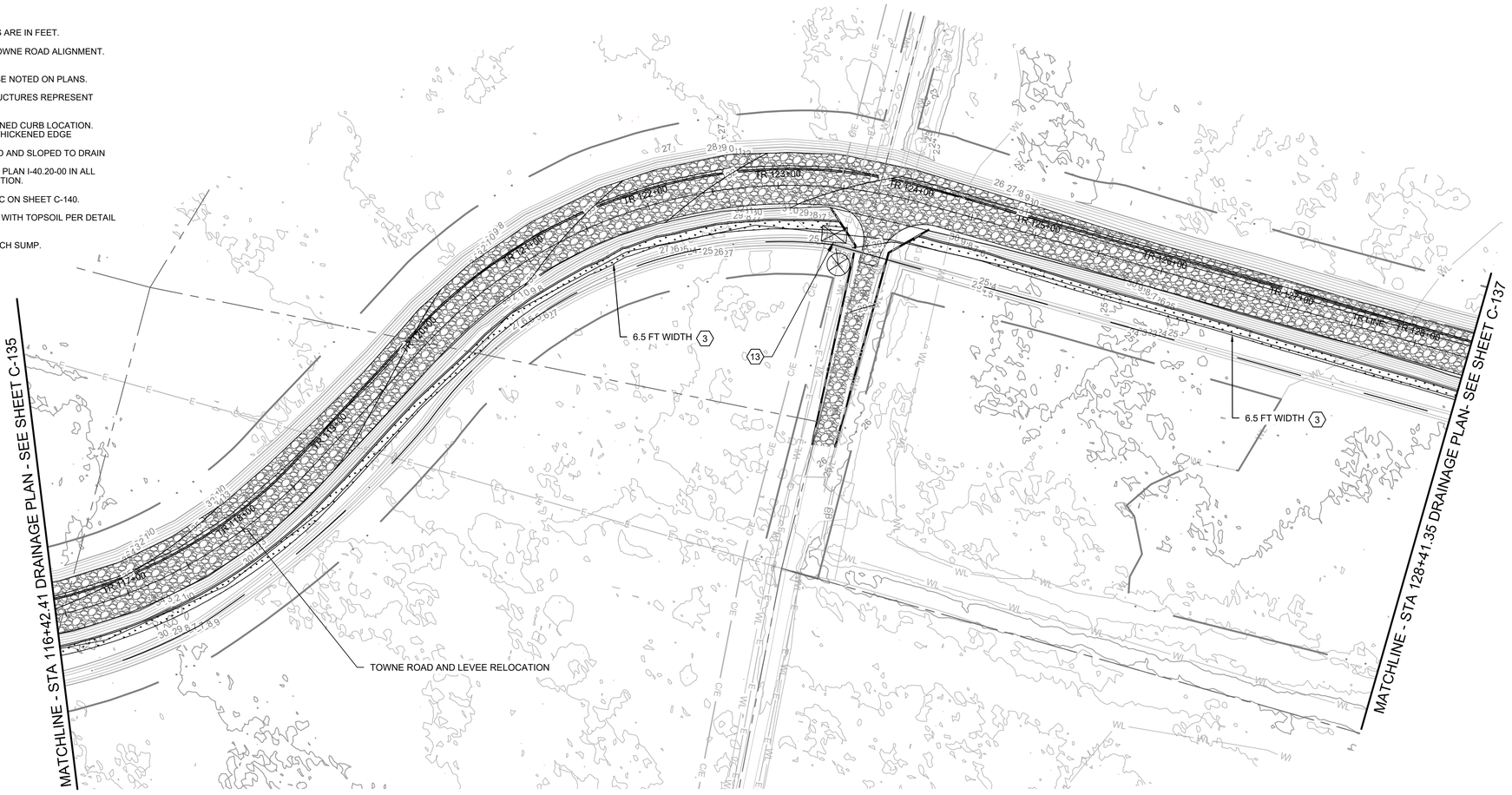
SHEET ID

C-135

Ad-Ready

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET.
2. STATIONING REFERENCES THE PROPOSED TOWNE ROAD ALIGNMENT. UNLESS NOTED OTHERWISE
3. ALL SD PIPE SHALL BE PE, UNLESS OTHERWISE NOTED ON PLANS.
4. STATIONS AND OFFSETS PROVIDED FOR STRUCTURES REPRESENT CENTER OF STRUCTURE
5. SEE PAVING PLANS AND DETAILS FOR THICKENED CURB LOCATION. CATCH BASINS SHALL MATCH FLOW LINE OF THICKENED EDGE
6. OUTFALL PROTECTION SHALL BE FIELD FITTED AND SLOPED TO DRAIN
7. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00 IN ALL CATCH BASINS FOR DURATION OF CONSTRUCTION.
8. "FS" INDICATES FLOW SPLITTER. SEE DETAIL C ON SHEET C-140.
9. COVER PIPES OUTSIDE OF LEVEE FOOTPRINT WITH TOPSOIL PER DETAIL A ON SHEET C-140.
10. CONCRETE INLETS SHALL HAVE MINIMUM 6-INCH SUMP.



GENERAL NOTES

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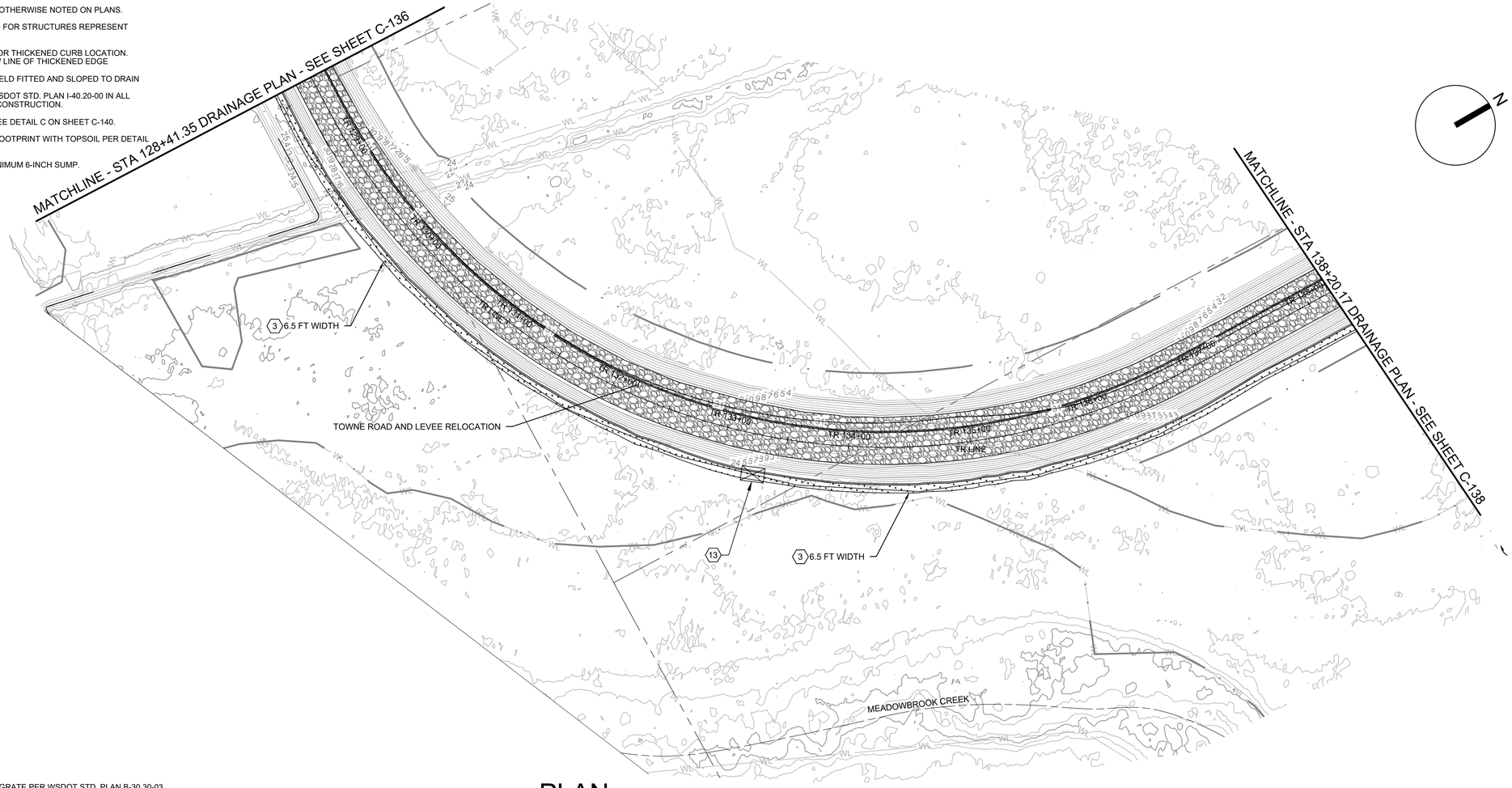
7. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00 IN ALL CATCH BASINS FOR DURATION OF CONSTRUCTION.
8. "FS" INDICATES FLOW SPLITTER. SEE DETAIL C ON SHEET C-140.
9. COVER PIPES OUTSIDE OF LEVEE FOOTPRINT WITH TOPSOIL PER DETAIL A ON SHEET C-140.
10. CONCRETE INLETS SHALL HAVE MINIMUM 6-INCH SUMP.



PLAN

SCALE: 0 50' 100'

KEY NOTES

1. INSTALL RECTANGULAR VANED GRATE PER WSDOT STD. PLAN B-30.30-03.
2. INSTALL RECTANGULAR BI-DIRECTIONAL GRATE PER WSDOT STD. PLAN B-30.40-03.
3. CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITH DRAINAGE BLANKET. SEE DETAIL A SHEET C-139.
4. INSTALL CATCH BASIN TYPE 1 PER WSDOT STD. PLAN B-5.20-03.
5. INSTALL CORRUGATED POLYETHYLENE STORM SEWER 12 IN. DIAM.
6. INSTALL ALUMINUM CORRUGATED STORM SEWER: TR. 5 AL. STORM SEWER PIPE 0.075 IN. THR. 12. IN. DIAM.
7. INSTALL OUTFALL PROTECTION PER STATE OF WASHINGTON DEPARTMENT OF ECOLOGY 2019 SWMMWW BMP C209. SEE DETAILS A SHEET C-140.
8. INSTALL CONCRETE INLET PER WSDOT STD. PLAN B-25.60-03.
9. CONSTRUCT WET BIOFILTRATION SWALE PER STATE OF WASHINGTON DEPARTMENT OF ECOLOGY 2019 SWMMWW BMP T7.30. SEE DETAIL B, SHEET C-139.
10. INSTALL FLOW SPLITTER. SEE DETAIL B ON SHEET C-140.
11. INSTALL 4" PERFORATED PE UNDERDRAIN DRAINTILE. SEE SHEET C-139.
12. INSTALL RECTANGULAR SOLID METAL COVER PER WSDOT STD. PLAN B-30.20-04.
13. DO NOT INSTALL CAVFS OVER EXISTING JUNCTION BOXES. LOCATION OF JUNCTION BOXES TO BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND APPROVED BY OWNER.
14. INSTALL CATCH BASIN TYPE 1L PER WSDOT STD. PLAN B-5.40-02.
15. CONSTRUCT COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITHOUT DRAINAGE BLANKET. SEE DETAIL D SHEET C-139.
16. CONSTRUCT BASIC FILTER STRIP. SEE DETAIL D SHEET C-140.

LEGEND

- PROJECT CONSTRUCTION LIMITS
- PROPERTY/RIGHT-OF-WAY BOUNDARY
- EXISTING RETAINING WALL
- EXISTING DRAINAGE CULVERT
- PROPOSED VEGETATED FILTER STRIP SEE DRAINAGE DETAIL SHEETS.
- CRUSHED SURFACING TOP COURSE ROADWAY SURFACE
- HMA PAVEMENT ROADWAY SURFACE

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

RYAN HADDELAND — STATE OF WASHINGTON — 22683 — REGISTERED PROFESSIONAL ENGINEER — 4/10/24

DESIGNED BY: R. HADDELAND	ISSUE DATE: MARCH 2023
DRAWN BY: C. WILCOX	SOLICITATION NO.: 334.16.005
CHECKED BY: S. JOHNSON	CONTRACT NO.: 21-1-12559-100
SUBMITTED BY: HDR	
SIZE: ANSI D	

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE /ROAD REALIGNMENT PROJECT

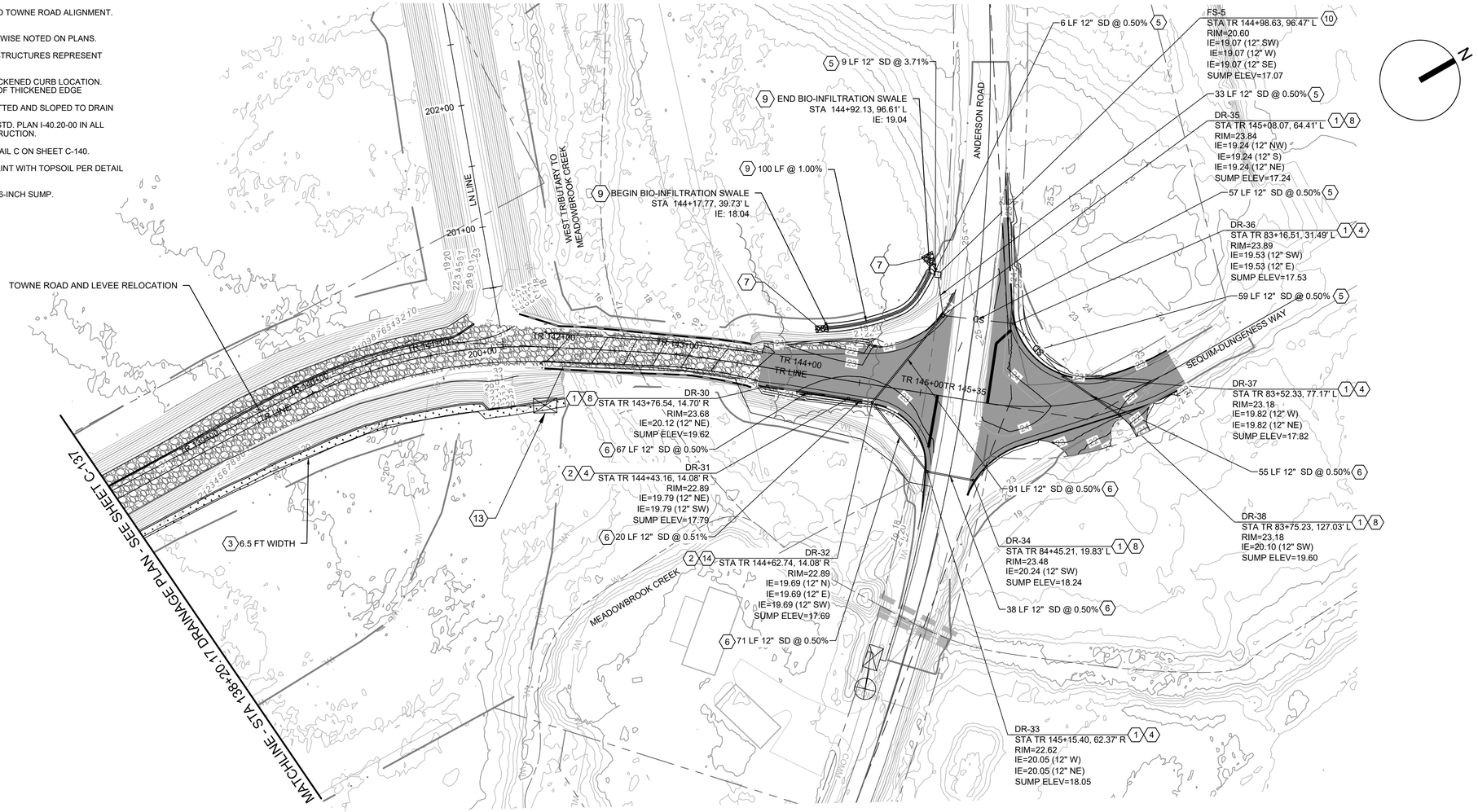
TOWNE ROAD LEVEE DRAINAGE PLAN SHEET 3

SHEET ID

C-137

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET.
2. STATIONING REFERENCES THE PROPOSED TOWNE ROAD ALIGNMENT. UNLESS NOTED OTHERWISE
3. ALL SD PIPE SHALL BE PE, UNLESS OTHERWISE NOTED ON PLANS.
4. STATIONS AND OFFSETS PROVIDED FOR STRUCTURES REPRESENT CENTER OF STRUCTURE
5. SEE PAVING PLANS AND DETAILS FOR THICKENED CURB LOCATION. CATCH BASINS SHALL MATCH FLOW LINE OF THICKENED EDGE
6. OUTFALL PROTECTION SHALL BE FIELD FITTED AND SLOPED TO DRAIN
7. INSTALL INLET PROTECTION PER WSDOT STD. PLAN I-40.20-00 IN ALL CATCH BASINS FOR DURATION OF CONSTRUCTION.
8. "FS" INDICATES FLOW SPLITTER. SEE DETAIL C ON SHEET C-140.
9. COVER PIPES OUTSIDE OF LEVEE FOOTPRINT WITH TOPSOIL PER DETAIL A ON SHEET C-140.
10. CONCRETE INLETS SHALL HAVE MINIMUM 6-INCH SUMP.



KEY NOTES

1. INSTALL RECTANGULAR VANED GRATE PER WSDOT STD. PLAN B-30.30-03.
2. INSTALL RECTANGULAR BI-DIRECTIONAL GRATE PER WSDOT STD. PLAN B-30.40-03.
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11. INSTALL 4" PERFORATED PE UNDERDRAIN DRAINTILE. SEE SHEET C-139.
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16. CONSTRUCT BASIC FILTER STRIP. SEE DETAIL D SHEET C-140.

PLAN

SCALE: 0 50' 100'

LEGEND

- PROPOSED PE STORM SEWER PIPE — SD SD SD SD SD
- PROPOSED CORRUGATED ALUMINUM STORM SEWER PIPEP
- ROJECT CONSTRUCTION LIMITS
- PROPERTY/RIGHT-OF-WAY BOUNDARY
- EXISTING RETAINING WALL
- EXISTING DRAINAGE CULVERT — CV CV CV CV CV CV
- PROPOSED VEGETATED FILTER STRIP SEE DRAINAGE DETAIL SHEETS.
- CRUSHED SURFACING TOP COURSE ROADWAY SURFACE
- HMA PAVEMENT ROADWAY SURFACE
- PROPOSED WET BIOFILTRATION SWALE
- PROPOSED OUTFALL PROTECTION
- PROPOSED CATCH BASIN TYPE 1, CATCH BASIN TYPE 1L OR CONCRETE INLET
- FLOW SPLITTER

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

RYAN HADDELAND — STATE OF WASHINGTON — 21612 — REGISTERED PROFESSIONAL ENGINEER — 4/10/24

DESIGNED BY:	R. HADDELAND
DRAWN BY:	C. WILCOX
CHECKED BY:	S. JOHNSON
SUBMITTED BY:	
SIZE:	ANSI D
ISSUE DATE:	MARCH 2023
SOLICITATION NO.:	334.16.005
CONTRACT NO.:	21-1-12559-100

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98382

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE /ROAD REALIGNMENT PROJECT

TOWNE ROAD LEVEE DRAINAGE
PLAN SHEET 4

SHEET ID

C-138

Ad-Ready

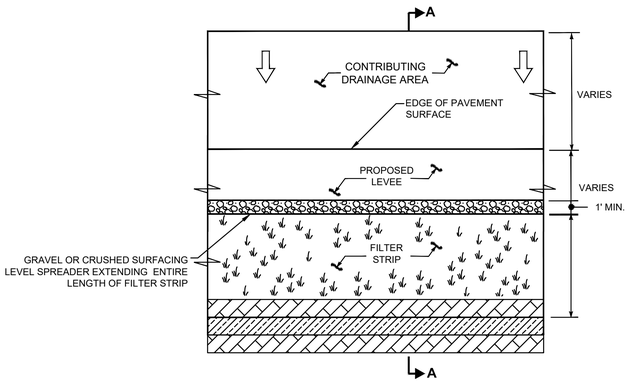
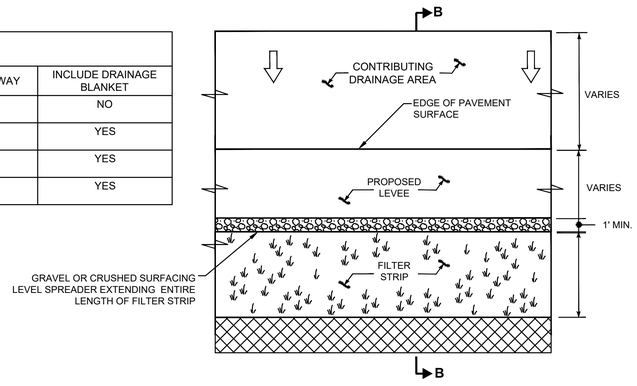
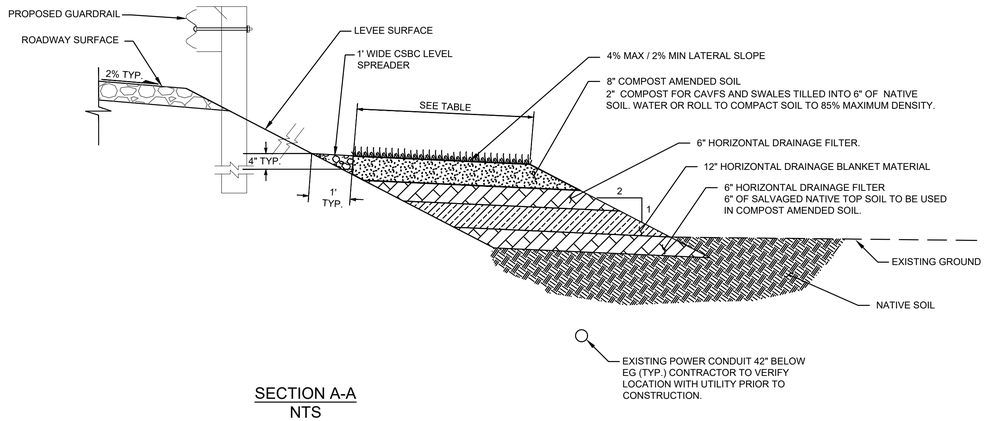


TABLE 1 - CAVFS PLACEMENT				
START STATION	END STATION	CAVFS WIDTH	SIDE OF ROADWAY	INCLUDE DRAINAGE BLANKET
103+60.00	108+33.00	7.5'	RIGHT	NO
108+59.50	112+90.00	7.5'	RIGHT	YES
112+90.00	123+50.00	6.5'	RIGHT	YES
124+12.00	142+12.00	6.5'	RIGHT	YES

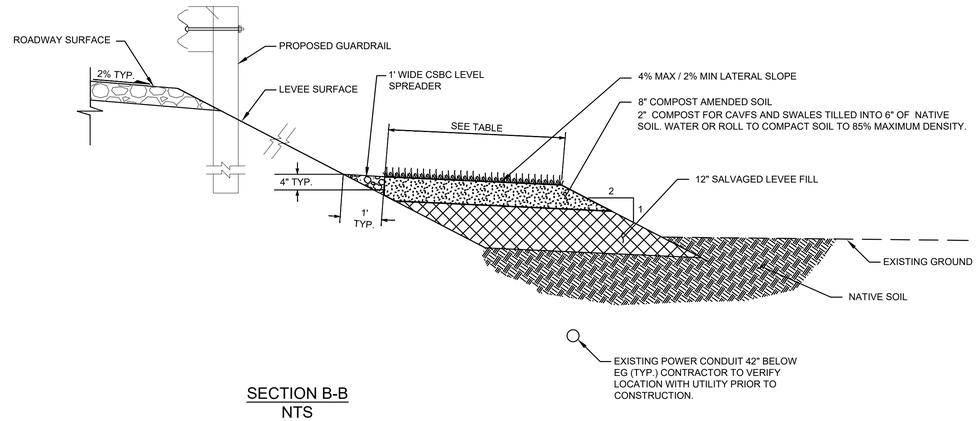


PLAN VIEW
NTS



SECTION A-A
NTS

PLAN VIEW
NTS



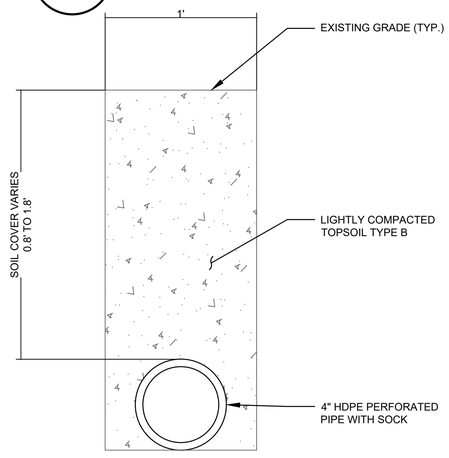
SECTION B-B
NTS

A COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITH DRAINAGE BLANKET

SCALE: N.T.S.

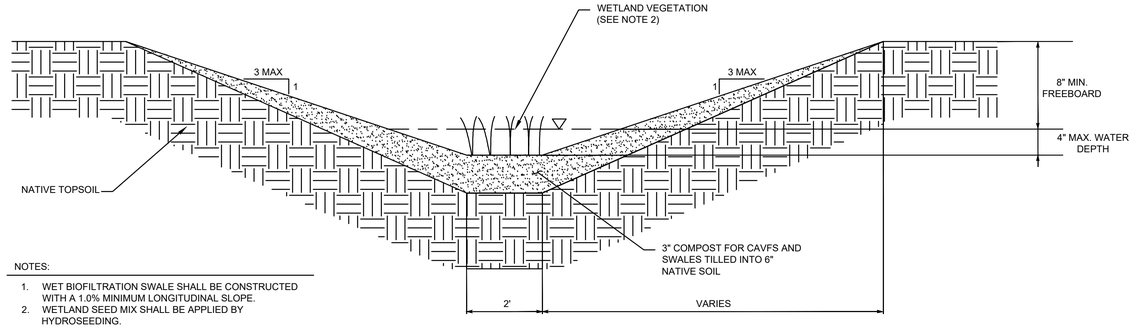
D COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS) WITHOUT DRAINAGE BLANKET

SCALE: N.T.S.



C TYPICAL SECTION: DRAIN TILE

SCALE: N.T.S.



NOTES:

1. WET BIOFILTRATION SWALE SHALL BE CONSTRUCTED WITH A 1.0% MINIMUM LONGITUDINAL SLOPE.
2. WETLAND SEED MIX SHALL BE APPLIED BY HYDROSEEDING.
3. EXCAVATION FOR WET BIOFILTRATION SWALE SHALL BE PAID FOR AS DITCH EXCAVATION

B WET BIOFILTRATION SWALE

SCALE: N.T.S.

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: R. HADDELAND
DRAWN BY: C. WILCOX
CHECKED BY: S. JOHNSON
SUBMITTED BY: WSDOT
ISSUE DATE: JUNE 2023
SOLICITATION NO.: 334.16.005
CONTRACT NO.: 21-1-12559-100
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

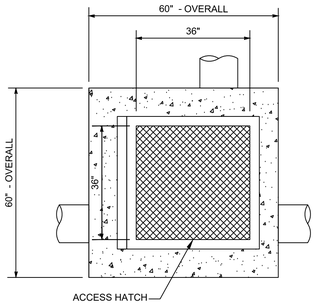
HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE /ROAD REALIGNMENT PROJECT

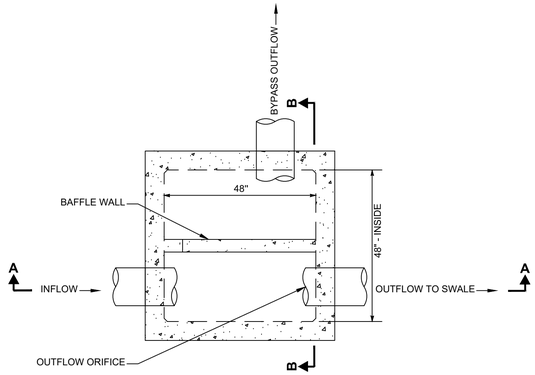
DRAINAGE DETAILS SHEET 1

SHEET ID
C-139

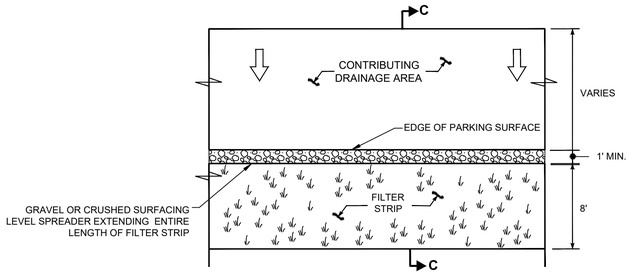
Ad-Ready



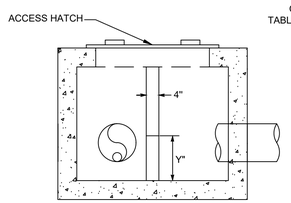
PLAN VIEW
NTS



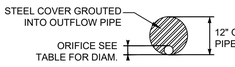
PLAN VIEW
NTS

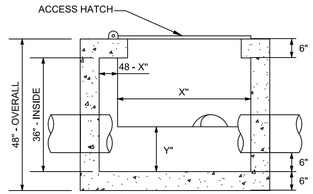


PLAN VIEW
NTS

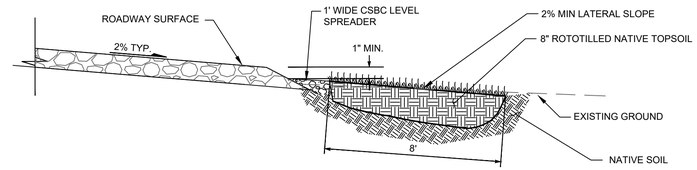


SECTION B-B
NTS





SECTION A-A
NTS



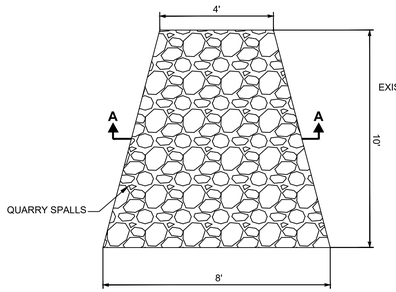
SECTION C-C
NTS

FLOW SPLITTER DIMENSIONS			
FLOW SPLITTER	X – DIMENSION	Y – DIMENSION	ORIFICE DIAM.
FS – 5	42.40"	5.04"	1.55"

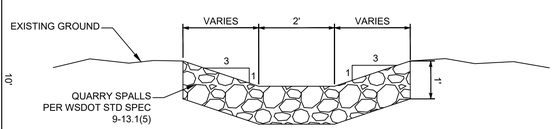
B FLOW SPLITTER
SCALE: N.T.S.

TABLE 2 – BASIC FILTER STRIP PLACEMENT			
START STATION	END STATION	FILTER STRIP WIDTH	SIDE OF ROADWAY
100+00.00	103+60.00	8.0'	LEFT

D BASIC FILTER STRIP
SCALE: N.T.S.

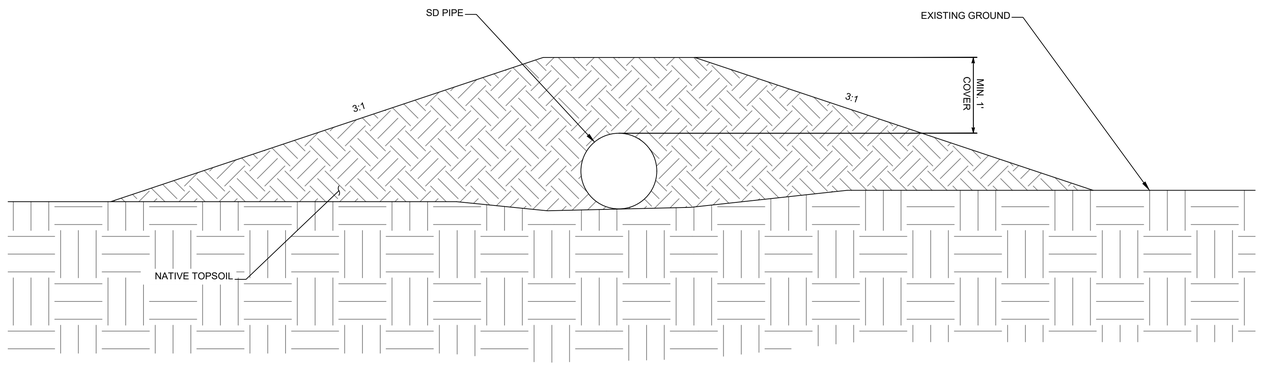


PLAN VIEW
NTS



SECTION A-A
NTS

A OUTFALL PROTECTION
SCALE: N.T.S.



C STORM DRAIN TOP SOIL COVER DETAIL
SCALE: N.T.S.

REV	DATE	DESCRIPTION
REV1	04/05/24	ROAD & CAVFS DETAILS

DESIGNED BY: R. HADDELAND
DRAWN BY: C. WILCOX
CHECKED BY: S. JOHNSON
SUBMITTED BY: HDR
SIZE: Ansi D
ISSUE DATE: MARCH 2023
SOLICITATION NO.: N/A
CONTRACT NO.: N/A

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

HDR ENGINEERING
929 108TH AVE NE, SUITE 1300
BELLEVUE, WA 98004

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE ROAD REALIGNMENT PROJECT
EE SURFACING PROJECT

DRAINAGE DETAIL SHEET 2

SHEET ID
C-140

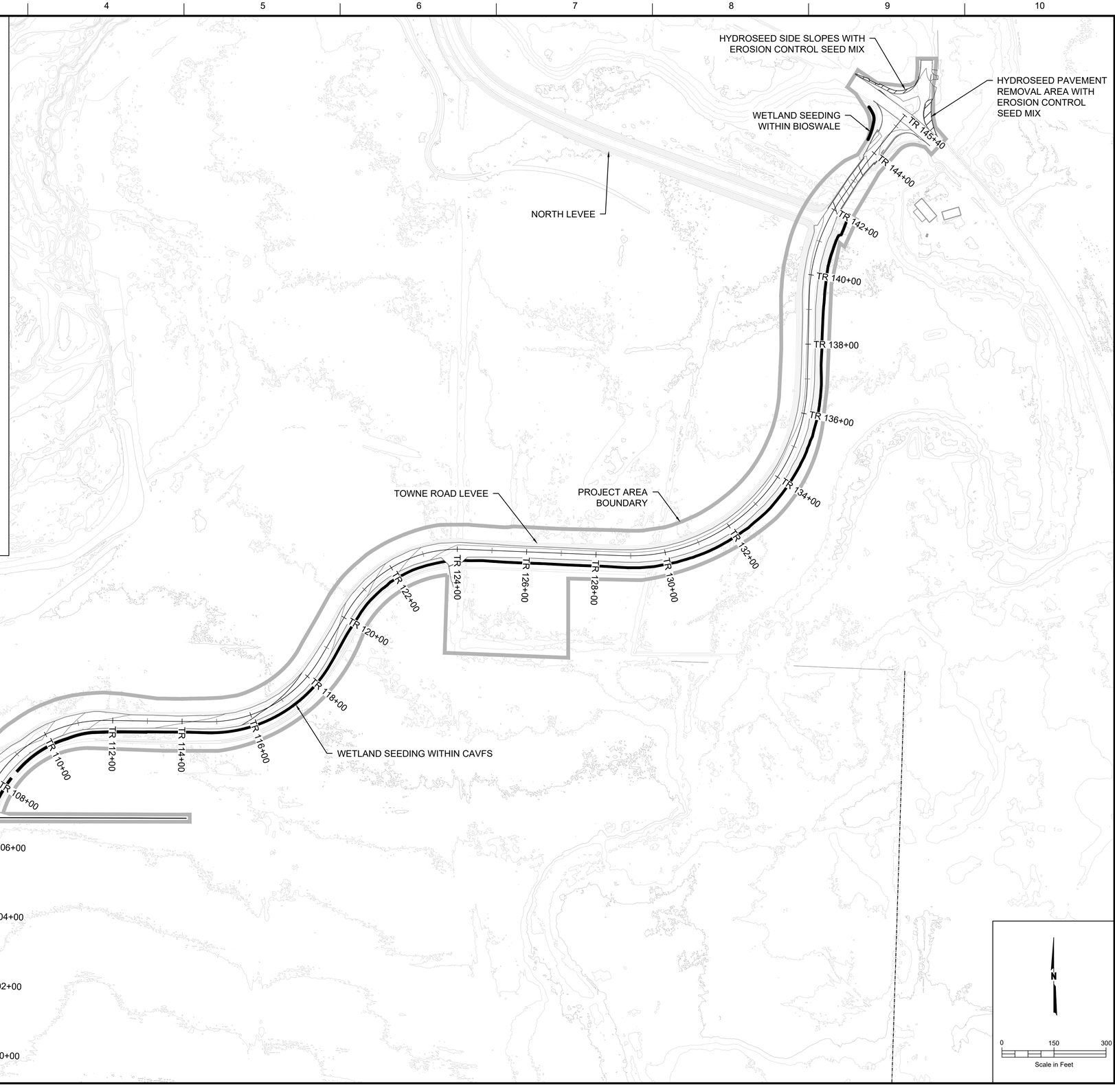
Ad-Ready

GENERAL NOTES:

1. SEE SPEC 9-14.3 FOR SEEDING TYPE.
2. CONTRACTOR TO PLACE EROSION CONTROL SEEDING IN ALL DISTURBED AREAS.

LEGEND

- EROSION CONTROL SEED MIX
- WETLAND SEED MIX
- PROJECT BOUNDARY



REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

04/05/2024

ISSUE DATE: MARCH 2024
CONTRACT NO.: 52220-3
PHASE NO.: PHASE 3

DESIGNED BY: G. KAYS
DRAWN BY: A. PICCININI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: ANSI D

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

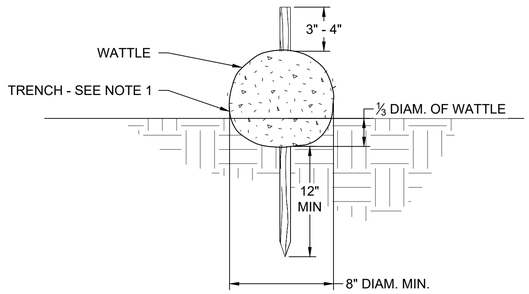
DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

SEEDING PLAN

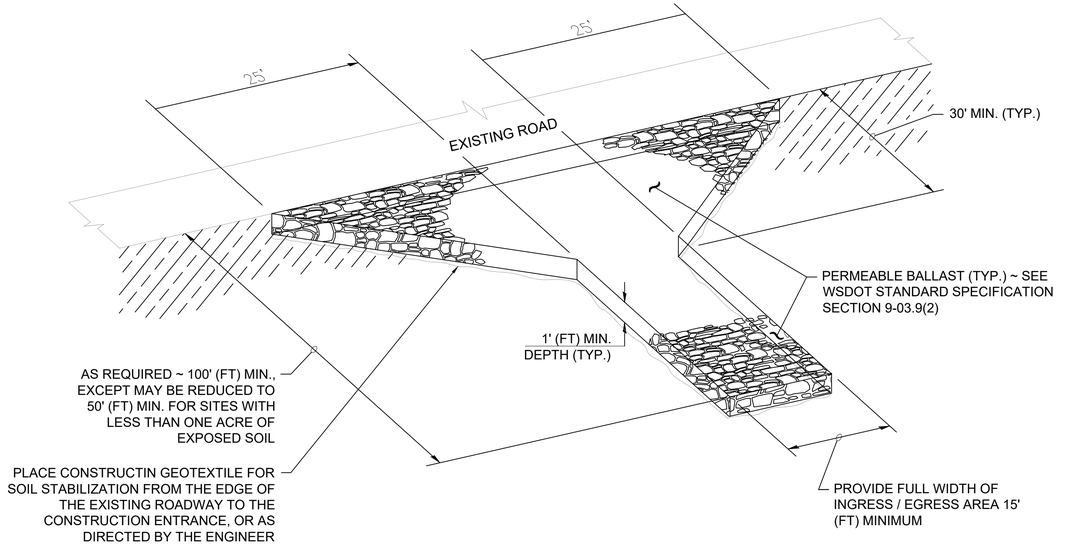
SHEET ID
C-141

NOTES:

1. WATTLES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION, SECTION 9-14.6(5). INSTALL WATTLES ALONG CONTOURS. INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATION, SECTION 8-01.3(10).
2. SECURELY KNOT EACH END OF WATTLE. OVERLAP ADJACENT WATTLE ENDS 12" (IN) BEHIND ONE ANOTHER AND SECURELY TIE TOGETHER.
3. COMPACT EXCAVATED SOIL AND TRENCHES TO PREVENT UNDERCUTTING. ADDITIONAL STAKING MAY BE NECESSARY TO PREVENT UNDERCUTTING.
4. INSTALL WATTLE PERPENDICULAR TO FLOW ALONG CONTOURS.
5. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
6. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION, SECTION 8-01.3(15).
7. REFER TO STANDARD SPECIFICATION, SECTION 8-01.3(16) FOR REMOVAL.
8. STAKE WATTLE EVERY 24". ADDITIONAL STAKES MAY BE REQUIRED TO SECURE WATTLE.



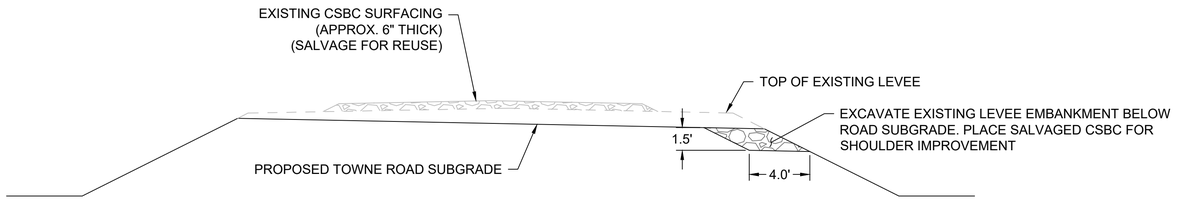
A DETAIL - STRAW WATTLE
NTS



CONSTRUCTION ENTRANCE NOTES:

1. QUARRY SPALLS SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS.
2. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO THE PAVEMENT, THEN ALTERNATIVE MEASURES TO KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING, AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE, OR THE INSTALLATION OF A WHEEL WASH.
3. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED BY SHOVELING OR SWEEPING. THE SEDIMENT COLLECTED BY SWEEPING SHALL BE REMOVED OR STABILIZED ON -SITE. THE PAVEMENT SHALL NOT BE CLEANED BY WASHING DOWN THE STREET, EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP SHALL BE CONSIDERED. THE SEDIMENT WOULD THEN BE WASHED INTO THE SUMP. CONTRACTOR SHALL OBTAIN OWNER APPROVAL PRIOR TO WASHING STREETS.
4. ANY ROCK SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.
5. IF VEHICLES ARE ENTERING OR EXITING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S), FENCING SHALL BE INSTALLED TO CONTROL TRAFFIC.

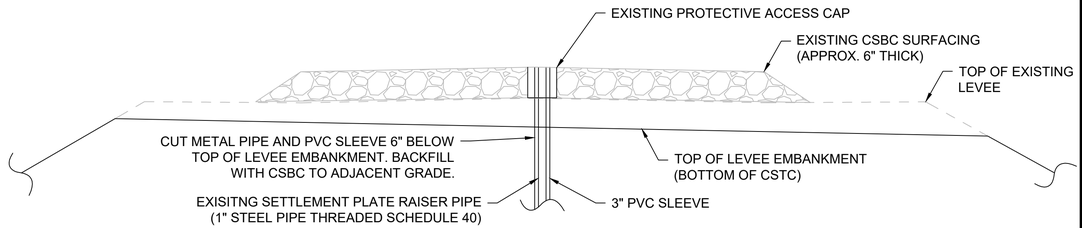
B DETAIL - CONSTRUCTION ENTRANCE
NTS



NOTES:

1. SHOULDER IMPROVEMENT NOT TO OCCUR ACROSS EBERLE DRIVEWAY. END AND BEGIN SHOULDER IMPROVEMENT AT EBERLE MSE WALLS PER DIRECTION OF ENGINEER
2. SHOULDER IMPROVEMENT FROM STA 105+80.17 - 123+40 AND 124+25 - 140+00. CONTRACTOR TO CONFIRM ONSITE WITH ENGINEER.

C DETAIL - SHOULDER IMPROVEMENT
NTS



D DETAIL - SETTLEMENT PLATE DEMOLITION
NTS

REV	DATE	DESCRIPTION

GLEN K. KAYS — STATE OF WASHINGTON — 45234 — REGISTERED PROFESSIONAL ENGINEER — 03/26/2024

DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: Ansi D

ISSUE DATE: MARCH 2024
CONTRACT NO.: 522263
PHASE NO.: PHASE 3

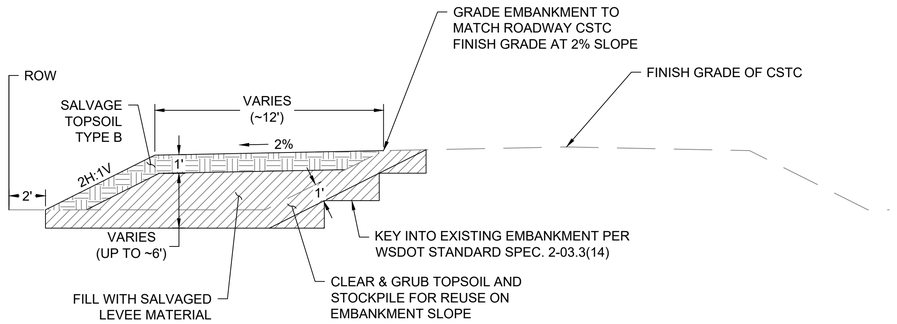
CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

MISC DETAILS (1)

SHEET ID
C-142

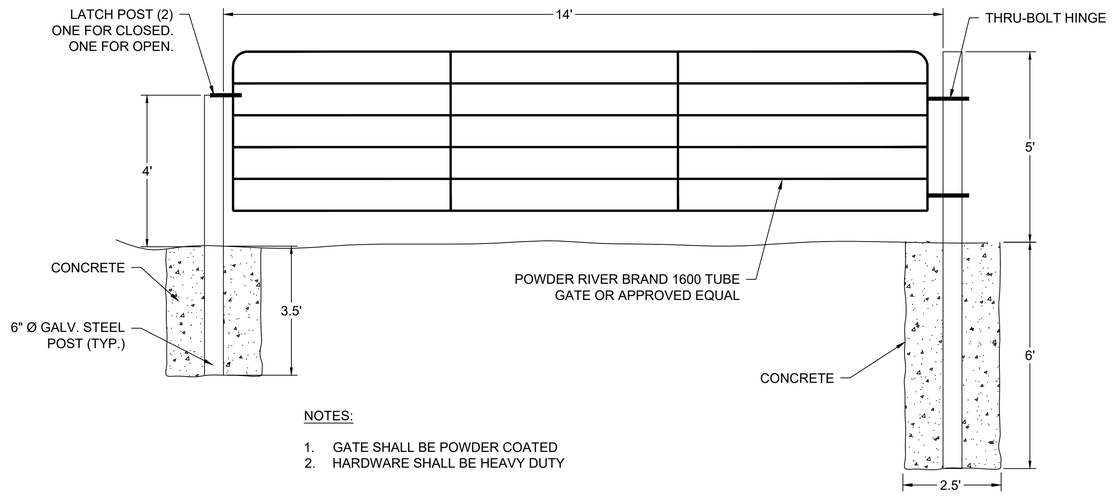


NOTES:

1. EMBANKMENT FROM STA. 103+70 TO 108+00

E DETAIL - EMBANKMENT

NTS

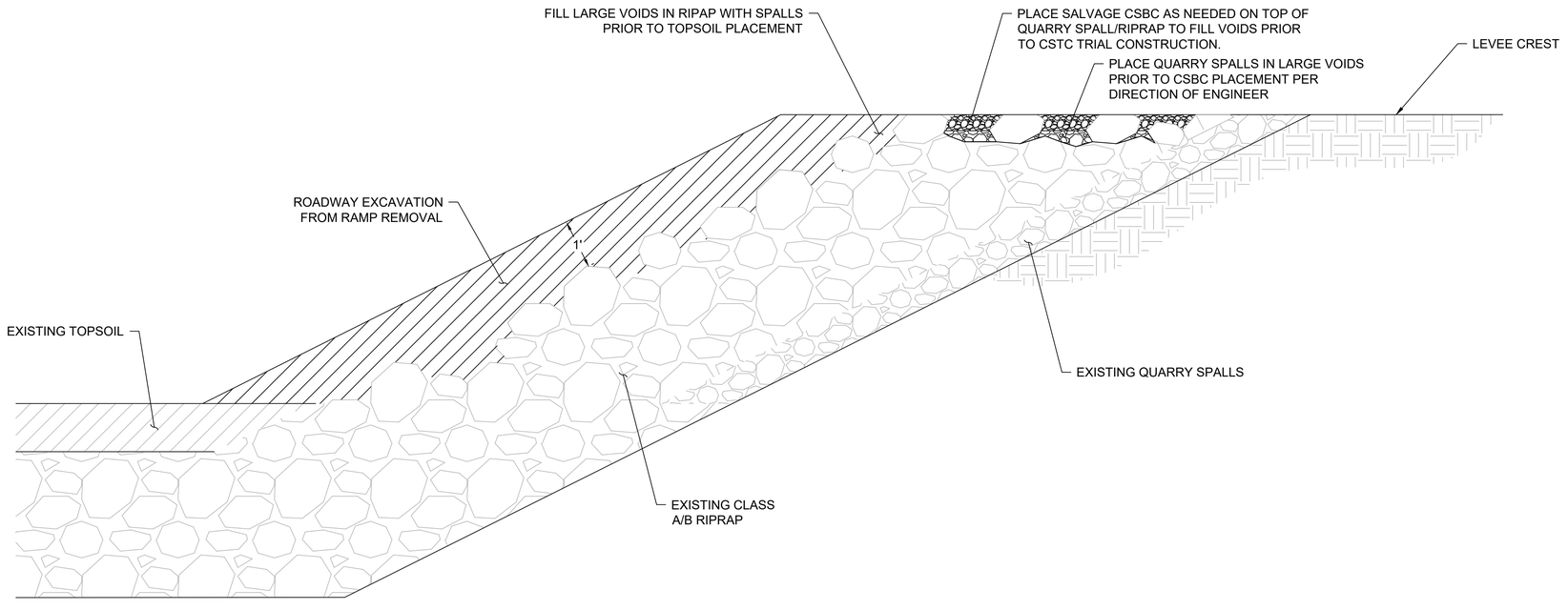


NOTES:

1. GATE SHALL BE POWDER COATED
2. HARDWARE SHALL BE HEAVY DUTY

F DETAIL - ACCESS GATE

NTS



G DETAIL - TOPSOIL PLACEMENT

NTS

REV	DATE	DESCRIPTION
REV 1	04/05/24	ROAD & CAVFS DETAILS

04/05/2024

ISSUE DATE: MARCH 2024

DESIGNED BY: G. KAYS
DRAWN BY: A. PICCINI
CHECKED BY: J. RANDOLPH
SUBMITTED BY: G. KAYS
SIZE: Ansi D

CONTRACT NO.: 522260-3
PHASE NO.: PHASE 3

CLALLAM COUNTY, WASHINGTON
223 EAST 4TH STREET, SUITE #6
PORT ANGELES, WA 98362

SHANNON & WILSON, INC.
400 NORTH 34TH STREET, SUITE 100
SEATTLE, WA 98103

DUNGENESS, WASHINGTON
LOWER DUNGENESS RIVER FLOODPLAIN
RESTORATION & LEVEE/ROAD REALIGNMENT PROJECT

MISC DETAILS (2)

SHEET ID

C-143

ESE 1PM
9
APR 08 2024

AGENDA ITEM SUMMARY

(Must be submitted NLT 3PM Wednesday for next week agenda)

Department: Prosecuting Attorney's Office

Executive Session ☒ **Meeting Date: April 9, 2024 at 1 p.m.**

Item summary:
☒ **Other – Executive Session**

Executive summary:
The Board of County Commissioners, pursuant to RCW 42.30.080, has scheduled a special meeting to be held at 1 p.m., Tuesday, April 9, 2024 in the Commissioner's Small Conference Room, 223 East 4th Street, Port Angeles, Room 150.
The purpose of the special meeting is to facilitate an Executive Session with the Prosecuting Attorney's Office, per RCW 42.30.110. No virtual option will be available.

The Executive Session is to discuss the following item(s):
☒ The purchase or sale of real estate

☐ Evaluate the qualifications of an applicant for public employment, or to review the performance of a public employee

☒ Agency matters relating to agency enforcement actions, or to discuss with legal counsel representing the agency litigation or potential litigation to which the agency, the governing body, or a member acting in an official capacity is, or is likely to become, a party...

☐ Collective bargaining...during which the governing body is planning or adopting the strategy or position to be taken by the governing body during the course of any collective bargaining, professional negotiations, or grievance or mediation proceedings, or reviewing the proposals made in the negotiations or proceedings while in progress. (RCW 42.30.140)

The Board of County Commissioners will take no action while in Executive Session but reserves the right to take action at the conclusion of the Executive Session once it is back in open session.

Budgetary impact: (Is there a monetary impact? If so, are funds for this already allocated or is a budget change necessary? If this is a contract and a budget change is necessary, the budget change form must be submitted with the item at work session and for the regular agenda) **If a budget action is required, has it been submitted and a copy attached?** ☐
None.

Recommended action: (Does the Board need to act? If so, what is the department's recommendation?)
Executive Session to discuss purchase or sale of real estate and potential litigation

County Official signature & print name: _____ Steve Gray, Road Dept.

Name of Relevant Department/Employee/Stakeholder attending meeting: Board of Commissioners, Prosecuting Attorney's Office, Road/Public Works Department

Date submitted: 3-20-24

* Work Session Meeting - Submit 1 single sided/not stapled copy
** Regular Meeting – Submit 1 single sided/not stapled copy and originals (1 or 3 copies)

Executive Session Property DNR and litigation 4-9-24
Revised: 3-04-2019

Questions? Call Loni Gores, Clerk of the Board, ext 2256