INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 1 ***
1 - 5	IN1 - IN5	INDEX
6	CT1	CERTIFICATION SHEET
7	VM1	VICINITY MAP
8 - 17	SQ1 - SQ10	SUMMARY OF QUANTITIES
		US 12 MP 12.36 CAMP CREEK
18	VM1-A	INDEX / VICINITY MAP
19 - 23	RS1-A - RS5-A	ROADWAY SECTIONS
24 - 26	RS6-A - RS8-A	TEMPORARY ROADWAY SECTIONS
27 - 35	SU1-A - SU9-A	STAGED CONSTRUCTION PLAN
36 - 45	AL1-A - AL10-A	ALIGNMENT AND RIGHT OF WAY PLAN
46 - 47	QTSP1-A - QTSP2-A	QUANTITY TABULATION - SITE PREPARATION AND TESC
48 - 57	SP1-A - SP10-A	SITE PREPARATION AND TESC PLAN
58 - 64	RP1-A - RP7-A	ROADWAY PROFILE
65 - 77	RP8-A - RP20-A	TEMPORARY ROADWAY PROFILE
78 - 83	SNDR1-A - SNDR6-A	STRUCTURE NOTES - DRAINAGE
84 - 92	DR1-A - DR9-A	DRAINAGE PLAN
93 - 99	DP1-A - DP7-A	DRAINAGE PROFILE
100 - 108	DD1-A - DD9-A	DRAINAGE DETAILS
109 - 110	CR1-A - CR2-A	STREAM PLAN
111	CP1-A	STREAM PROFILE
112	CD1-A	STREAM DETAILS
113 - 114	LWM1-A - LWM2-A	LARGE WOODY MATERIAL PLAN
115 - 120	LWM3-A - LWM8-A	LARGE WOODY MATERIAL DETAILS
121 - 128	RR1-A - RR8-A	ROADSIDE RESTORATION PLAN
129	RR9-A	BIOENGINEERING PLAN
130	RR10-A	RESTORATION DETAILS AND NOTES
131 - 133	GR1-A - GR3-A	FINAL GRADING PLAN
134 - 137	QTPV1-A - QTPV4-A	QUANTITY TABULATION - PAVING
138 - 142	PV1-A - PV5-A	PAVING PLAN
143 - 158	TP1-A - TP16-A	TEMPORARY CROSSOVER PLAN
159	TP17-A	TEMPORARY CROSSOVER DETAILS

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
160 - 163	QTMK1-A - QTMK4-A	QUANTITY TABULATION - PAVEMENT MARKING
164 - 168	MK1-A - MK5-A	PAVEMENT MARKING & SIGNING PLAN
169	SN1-A	SIGN REMOVAL SPECIFICATIONS
170	SN2-A	SIGN RELOCATION SPECIFICATIONS
171	SN3-A	SIGN INSTALLATION SPECIFICATIONS
		*** VOLUME 2 ***
172 - 176	IN1 - IN5	INDEX
177	CT1	CERTIFICATION SHEET
		US 12 MP 12.36 CAMP CREEK
178 - 207	BA1-A - BA30-A	WB BRIDGE NO. 12/47.8N PLAN
208 - 237	BB1-A - BB30-A	EB BRIDGE NO. 12/47.8S PLAN
238 - 267	BC1-A - BC30-A	SIMMONS RD BRIDGE NO. 12/47.8A PLAN
268	TC1-A	TRAFFIC CONTROL GENERAL NOTES
269 - 330	TC2-A - TC63-A	TRAFFIC CONTROL PLAN
331	TC64-A	DETOUR PLAN
332 - 335	TC65-A - TC68-A	QUEUE WARNING SYSTEM PLAN
336 - 343	TC69-A - TC76-A	SHORT TERM TRAFFIC CONTROL PLAN

PLAN REFERENCE NO.

SHEET OF SHEETS

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US 12 & SR 8
GRAYS HARBOR COUNTY
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INDEX

PLAN REF NO IN1

SHEET 344 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\SR8&US12_PS_IN_001_Vol3.dgn

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 3 ***
344 - 348	IN1 - IN5	INDEX
349	CT1	CERTIFICATION SHEET
		US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH
350	VM1-B	INDEX / VICINITY MAP
351 - 356	RS1-B - RS6-B	ROADWAY SECTIONS
357 - 359	RS7-B - RS9-B	TEMPORARY ROADWAY SECTIONS
360 - 366	SU1-B - SU7-B	STAGED CONSTRUCTION PLAN
367 - 373	AL1-B - AL7-B	ALIGNMENT AND RIGHT OF WAY PLAN
374 - 375	QTSP1-B - QTSP2-B	QUANTITY TABULATION - SITE PREPARATION AND TESC
376 - 382	SP1-B - SP7-B	SITE PREPARATION AND TESC PLAN
383 - 388	RP1-B - RP6-B	ROADWAY PROFILE
389 - 396	RP7-B - RP14-B	TEMPORARY ROADWAY PROFILE
397 - 399	SNDR1-B - SNDR3-B	STRUCTURE NOTES - DRAINAGE
400 - 406	DR1-B - DR7-B	DRAINAGE PLAN
407 - 409	DP1-B - DP3-B	DRAINAGE PROFILE
410 - 419	DD1-B - DD10-B	DRAINAGE DETAILS
420 - 421	CR1-B - CR2-B	STREAM PLAN
422	CP1-B	STREAM PROFILE
423 - 427	CD1-B - CD5-B	STREAM DETAILS
428 - 429	LWM1-B - LWM2-B	LARGE WOODY MATERIAL PLAN
430 - 434	LWM3-B - LWM7-B	LARGE WOODY MATERIAL DETAILS
435 - 440	RR1-B - RR6-B	ROADSIDE RESTORATION PLAN
441 - 443	RR7-B - RR9-B	BIOENGINEERING PLAN
444	RR10-B	RESTORATION DETAILS AND NOTES
445 - 448	GR1-B - GR4-B	FINAL GRADING PLAN
449	QTPV1-B	QUANTITY TABULATION - PAVING
450 - 453	PV1-B - PV4-B	PAVING PLAN
454 - 469	TP1-B - TP16-B	TEMPORARY CROSSOVER PLAN
470 - 471	TP17-B - TP18-B	TEMPORARY CROSSOVER DETAILS
472 - 474	QTMK1-B - QTMK3-B	QUANTITY TABULATION - PAVEMENT MARKINGS
475 - 478	MK1-B - MK4-B	PAVEMENT MARKING PLAN

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 4 ***
479 - 483	IN1 - IN5	INDEX
484	CT1	CERTIFICATION SHEET
		US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH
485 - 507	ST1-B - ST23-B	BRIDGE NO. 12/54 PLAN
508 - 511	WA1-B - WA4-B	WALL PLAN AND PROFILE
512	TC1-B	TRAFFIC CONTROL GENERAL NOTES
513 - 570	TC2-B - TC59-B	TRAFFIC CONTROL PLAN
571 - 574	TC60-B - TC63-B	QUEUE WARNING SYSTEM PLAN
575 - 581	TC64-B - TC70-B	SHORT TERM TRAFFIC CONTROL PLAN

PLAN REFERENCE NO.

SHEET OF SHEETS

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US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

INDEX

PLAN REF NO IN2

SHEET 345 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\SR8&US12_PS_IN_002_Vol3.dgn

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 5 ***
574 - 578	IN1 - IN5	INDEX
579	CT1	CERTIFICATION SHEET
		US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK
580	VM1-C	INDEX / VICINITY MAP
581 - 586	RS1-C - RS6-C	ROADWAY SECTIONS
587 - 589	RS7-C - RS9-C	TEMPORARY ROADWAY SECTIONS
590 - 596	SU1-C - SU7-C	STAGED CONSTRUCTION PLAN
597 - 606	AL1-C - AL10-C	ALIGNMENT AND RIGHT OF WAY PLAN
607 - 608	QTSP1-C - QTSP2-C	QUANTITY TABULATION - SITE PREPARATION AND TESC
609 - 619	SP1-C - SP11-C	SITE PREPARATION AND TESC PLAN
620 - 625	RP1-C - RP6-C	ROADWAY PROFILE
626 - 635	RP7-C - RP16-C	TEMPORARY ROADWAY PROFILE
636 - 637	SNDR1-C - SNDR2-C	STRUCTURE NOTES - DRAINAGE
638 - 647	DR1-C - DR10-C	DRAINAGE PLAN
648 - 649	DP1-C - DP2-C	DRAINAGE PROFILE
650 - 652	DD1-C - DD3-C	DRAINAGE DETAILS
653 - 654	CR1-C - CR2-C	STREAM PLAN
655	CP1-C	STREAM PROFILE
656	CD1-C	STREAM DETAILS
657 - 658	LWM1-C - LWM2-C	LARGE WOODY MATERIAL PLAN
659 - 665	LWM3-C - LWM9-C	LARGE WOODY MATERIAL DETAILS
666 - 673	RR1-C - RR8-C	ROADSIDE RESTORATION PLAN
674 - 676	RR9-C - RR11-C	BIOENGINEERING PLAN
677	RR12-C	RESTORATION DETAILS AND NOTES
678 - 686	GR1-C - GR9-C	FINAL GRADING PLAN
687	QTPV1-C	QUANTITY TABULATION - PAVING
688 - 692	PV1-C - PV5-C	PAVING PLAN
693 - 714	TP1-C - TP22-C	TEMPORARY CROSSOVER PLAN
715	TP23-C	TEMPORARY CROSSOVER DETAILS

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
716 - 717	QTMK1-C - QTMK2-C	QUANTITY TABULATION - PAVEMENT MARKINGS
718 - 722	MK1-C - MK5-C	PAVEMENT MARKING AND SIGNING PLAN
723	SN1-C	SIGN REMOVAL SPECIFICATIONS
724	SN2-C	SIGN INSTALLATION SPECIFICATIONS
		*** VOLUME 6 ***
726 - 730	IN1 - IN5	INDEX
731	CT1	CERTIFICATION SHEET
		US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK
732 - 753	ST1-C - ST22-C	BRIDGE NO. 12/56 PLAN
754 - 756	WA1-C - WA3-C	WALL PLAN AND PROFILE
757	TC1-C	TRAFFIC CONTROL GENERAL NOTES
758 - 827	TC2-C - TC71-C	TRAFFIC CONTROL PLAN
828 - 829	TC72-C - TC73-C	QUEUE WARNING SYSTEM PLAN
830 - 836	TC74-C - TC80-C	SHORT TERM TRAFFIC CONTROL PLAN

PLAN REFERENCE NO.

SHEET OF SHEETS

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GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

INDEX

PLAN REF NO IN3

SHEET 346 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\SR8&US12_PS_IN_003_Vol3.dgn

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 7 ***
847 - 851	IN1 - IN5	INDEX
852	CT1	CERTIFICATION SHEET
		SR 8 MP 3.16 UNNAMED TRIBUTARY TO WILDCAT CREEK
853	VM1-D	INDEX / VICINITY MAP
854 - 857	RS1-D - RS4-D	ROADWAY SECTIONS
858 - 860	RS5-D - RS7-D	TEMPORARY ROADWAY SECTIONS
861 - 867	SU1-D - SU7-D	STAGED CONSTRUCTION PLAN
868 - 872	AL1-D - AL5-D	ALIGNMENT AND RIGHT OF WAY PLAN
873	QTSP1-D	QUANTITY TABULATION - SITE PREPARATION AND TESC
874 - 878	SP1-D - SP5-D	SITE PREPARATION AND TESC PLAN
879 - 880	RP1-D - RP2-D	ROADWAY PROFILE
881 - 884	RP3-D - RP6-D	TEMPORARY ROADWAY PROFILE
885 - 886	SNDR1-D - SNDR2-D	STRUCTURE NOTES - DRAINAGE
887 - 890	DR1-D - DR4-D	DRAINAGE PLAN
891 - 892	DP1-D - DP2-D	DRAINAGE PROFILE
893 - 898	DD1-D - DD6-D	DRAINAGE DETAILS
899 - 900	CR1-D - CR2-D	STREAM PLAN
901	CP1-D	STREAM PROFILE
902 - 903	CD1-D - CD2-D	STREAM DETAILS
904 - 905	LWM1-D - LWM2-D	LARGE WOODY MATERIAL PLAN
906 - 909	LWM3-D - LWM6-D	LARGE WOODY MATERIAL DETAILS
910 - 914	RR1-D - RR5-D	ROADSIDE RESTORATION PLAN
915	RR6-D	BIOENGINEERING PLAN
916	RR7-D	RESTORATION DETAILS AND NOTES
917 - 921	GR1-D - GR5-D	FINAL GRADING PLAN
922	QTPV1-D	QUANTITY TABULATION - PAVING
923 - 925	PV1-D - PV3-D	PAVING PLAN
926 - 936	TP1-D - TP11-D	TEMPORARY CROSSOVER PLAN
937	TP12-D	TEMPORARY CROSSOVER DETAILS
938 - 939	QTMK1-D - QTMK2-D	QUANTITY TABULATION - PAVEMENT MARKING
940 - 942	MK1-D - MK3-D	PAVEMENT MARKING PLAN

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
943 - 971	BA1-D - BA29-D	WB BRIDGE NO. 8/9N PLAN
972 - 1000	BB1-D - BB29-D	EB BRIDGE NO. 8/9S PLAN
1001	TC1-D	TRAFFIC CONTROL GENERAL NOTES
1002 - 1043	TC2-D - TC43-D	TRAFFIC CONTROL PLAN
1044 - 1045	TC44-D - TC45-D	QUEUE WARNING SYSTEM PLAN
1046 - 1052	TC46-D - TC52-D	SHORT TERM TRAFFIC CONTROL PLAN

PLAN REFERENCE NO.

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INDEX

PLAN REF NO IN4

SHEET 347 OF 1241 SHEETS

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INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		*** VOLUME 8 ***
1053 - 1057	IN1-IN5	INDEX
1058	CT1	CERTIFICATION SHEET
		SR 8 MP 9.10 UNNAMED TRIBUTARY TO MOX CHEHALIS CREEK
1059	VM1-E	INDEX / VICINITY MAP
1060 - 1063	RS1-E - RS4-E	ROADWAY SECTIONS
1064 - 1066	RS5-E - RS7-E	TEMPORARY ROADWAY SECTIONS
1067 - 1073	SU1-E - SU7-E	STAGED CONSTRUCTION PLAN
1074 - 1081	AL1-E - AL8-E	ALIGNMENT AND RIGHT OF WAY PLAN
1082 - 1083	QTSP1-E - QTSP2-E	QUANTITY TABULATION - SITE PREPARATION AND TESC
1084 - 1090	SP1-E - SP7-E	SITE PREPARATION AND TESC PLAN
1091 - 1094	RP1-E - RP4-E	ROADWAY PROFILE
1095 - 1103	RP5-E - RP13-E	TEMPORARY ROADWAY PROFILE
1104 - 1105	SNDR1-E - SNDR2-E	STRUCTURE NOTES - DRAINAGE
1106 - 1112	DR1-E - DR7-E	DRAINAGE PLAN
1113 - 1116	DP1-E - DP4-E	DRAINAGE PROFILE
1117 - 1120	DD1-E - DD4-E	DRAINAGE DETAILS
1121 - 1122	CR1-E - CR2-E	STREAM PLAN
1123	CP1-E	STREAM PROFILE
1124 - 1126	CD1-E - CD3-E	STREAM DETAILS
1127 - 1128	LWM1-E - LWM2-E	LARGE WOODY MATERIAL PLAN
1129 - 1133	LWM3-E - LWM7-E	LARGE WOODY MATERIAL DETAILS
1134 - 1140	RR1-E - RR7-E	ROADSIDE RESTORATION PLAN
1141	RR8-E	BIOENGINEERING PLAN
1142	RR9-E	RESTORATION DETAILS AND NOTES
1143 - 1149	GR1-E - GR7-E	FINAL GRADING PLAN
1150	QTPV1-E	QUANTITY TABULATION - PAVING
1151 - 1153	PV1-E - PV3-E	PAVING PLAN
1154 - 1167	TP1-E - TP14-E	TEMPORARY CROSSOVER PLAN
1168	TP15-E	TEMPORARY CROSSOVER DETAILS

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE
1169 - 1171	QTMK1-E - QTMK3-E	QUANTITY TABULATION - PAVEMENT MARKINGS
1172 - 1174	MK1-E - MK3-E	PAVEMENT MARKING & SIGNING PLAN
1175	SN1-E	SIGN REMOVAL SPECIFICATIONS
1176	SN2-E	SIGN RELOCATION SPECIFICATIONS
1177	SN3-E	SIGN INSTALLATION SPECIFICATIONS
1178 - 1182	ST1-E - ST5-E	BURIED STRUCTURE NO. 8/17.25 PLAN
1183	TC1-E	TRAFFIC CONTROL GENERAL NOTES
1184 - 1231	TC2-E - TC49-E	TRAFFIC CONTROL PLAN
1232	TC50-E	DETOUR PLAN
1233 - 1234	TC51-E - TC52-E	QUEUE WARNING SYSTEM PLAN
1235 - 1241	TC53-E - TC59-E	SHORT TERM TRAFFIC CONTROL PLAN

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PROJECT LICENSED PROFESSIONAL CERTIFICATES

Karen Comings Jan 11, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Manuel Feliberti Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Jon Gage (Jan 10, 2023 18:38 PST) Jon Gage Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Sarah Hansen Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
Terrence Hew Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Mason Raguse Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Anthony Wilen Jan 10, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
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NOTES:

THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
		VOLUME 3
350	VM1-B	INDEX / VICINITY MAP
351 - 356	RS1-B - RS6-B	ROADWAY SECTIONS
357 - 359	RS7-B - RS9-B	TEMPORARY ROADWAY SECTIONS
360 - 366	SU1-B - SU7-B	STAGED CONSTRUCTION PLAN
367 - 373	AL1-B - AL7-B	ALIGNMENT AND RIGHT OF WAY PLAN
374 - 375	QTSP1-B - QTSP2-B	QUANTITY TABULATION - SITE PREPARATION AND TESC
376 - 382	SP1-B - SP7-B	SITE PREPARATION AND TESC PLAN
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389 - 396	RP7-B - RP14-B	TEMPORARY ROADWAY PROFILE
397 - 399	SNDR1-B - SNDR3-B	STRUCTURE NOTES - DRAINAGE
400 - 406	DR1-B - DR7-B	DRAINAGE PLAN
407 - 409	DP1-B - DP3-B	DRAINAGE PROFILE
410 - 419	DD1-B - DD10-B	DRAINAGE DETAILS
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422	CP1-B	STREAM PROFILE
423 - 427	CD1-B - CD5-B	STREAM DETAILS
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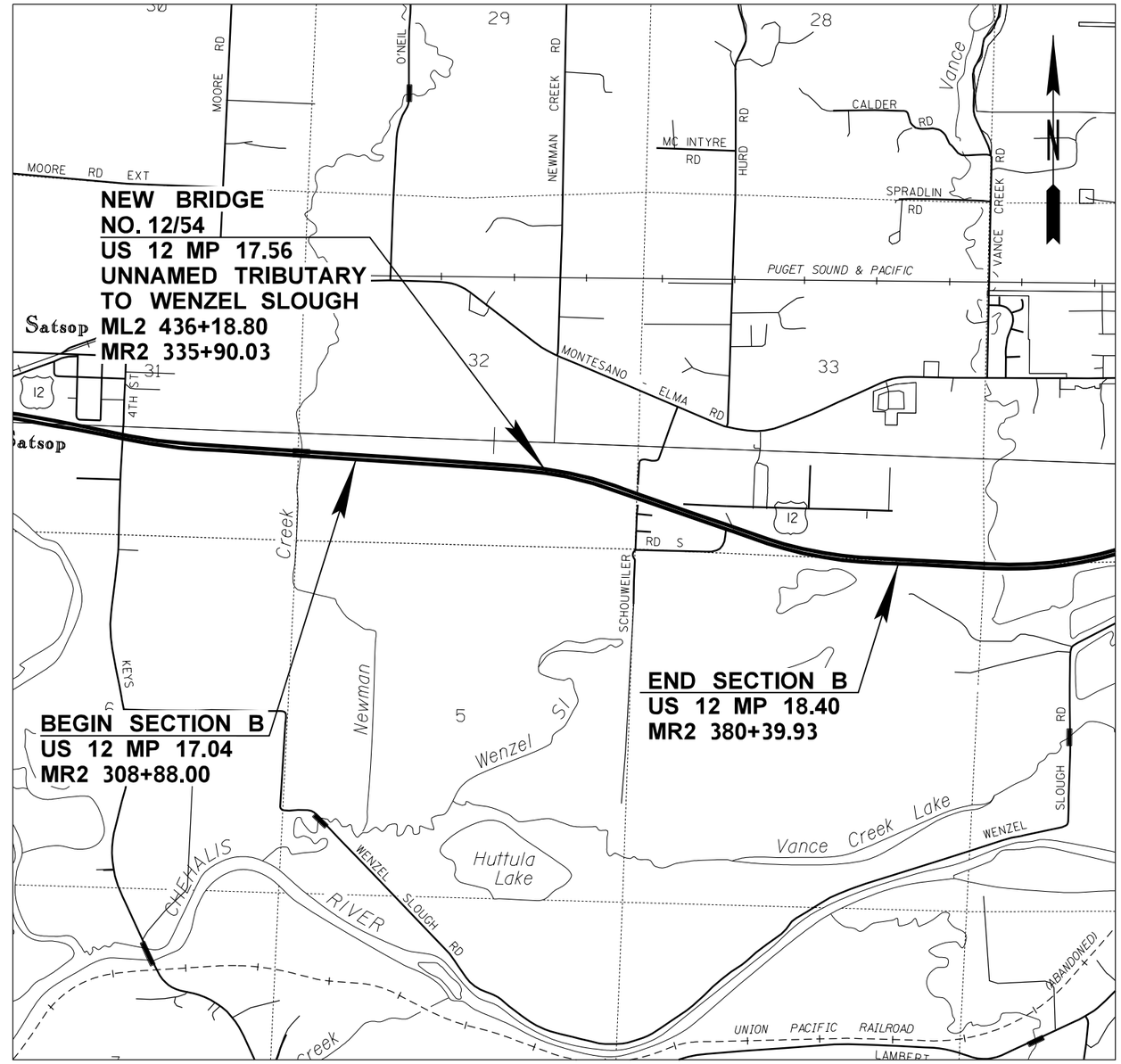
435 - 440	RR1-B - RR6-B	ROADSIDE RESTORATION PLAN
441 - 443	RR7-B - RR9-B	BIOENGINEERING PLAN
444	RR10-B	RESTORATION DETAILS AND NOTES
445 - 448	GR1-B - GR4-B	FINAL GRADING PLAN
449	QTPV1-B	QUANTITY TABULATION - PAVING
450 - 453	PV1-B - PV4-B	PAVING PLAN
454 - 469	TP1-B - TP16-B	TEMPORARY CROSSOVER PLAN
470 - 471	TP17-B - TP18-B	TEMPORARY CROSSOVER DETAILS
472 - 474	QTMK1-B - QTMK3-B	QUANTITY TABULATION - PAVEMENT MARKINGS
475 - 478	MK1-B - MK4-B	PAVEMENT MARKING PLAN
		VOLUME 4
485 - 507	ST1-B - ST23-B	BRIDGE NO. 12/54 PLAN
508 - 511	WA1-B - WA4-B	WALL PLAN AND PROFILE
512	TC1-B	TRAFFIC CONTROL GENERAL NOTES
513 - 570	TC2-B - TC59-B	TRAFFIC CONTROL PLAN
571 - 574	TC60-B - TC63-B	QUEUE WARNING SYSTEM PLAN
575 - 581	TC64-B - TC70-B	SHORT TERM TRAFFIC CONTROL PLAN

T.18N. R.6W. W.M.



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US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

INDEX / VICINITY MAP

PLAN REF NO
VM1-B

SHEET 350 OF 1241 SHEETS

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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

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REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX DATE

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

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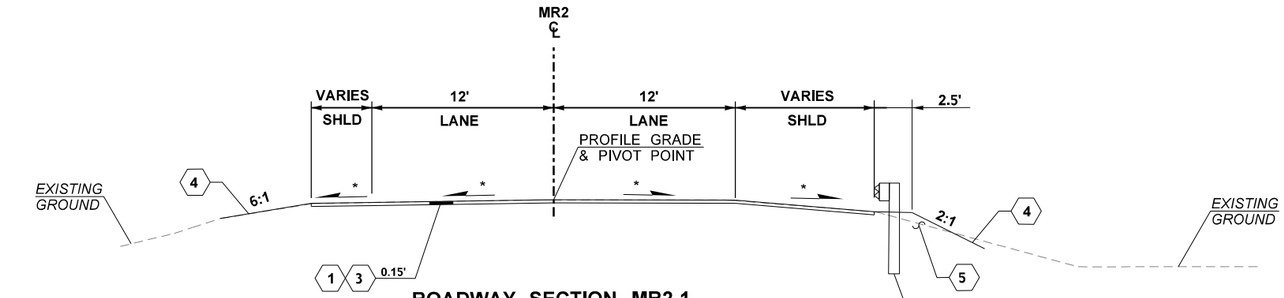
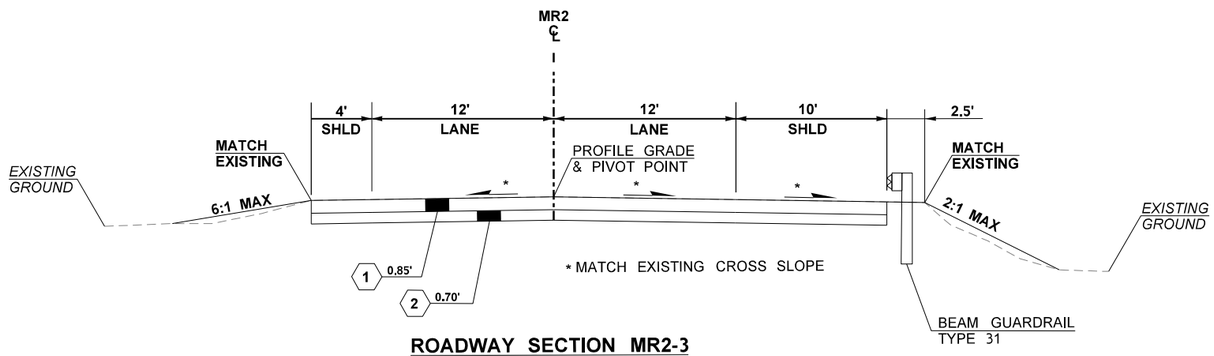


ROADWAY SECTION MR2-1

STATION
MR2 327+70.00 TO MR2 328+70.00
MR2 343+60.00 TO MR2 344+60.00

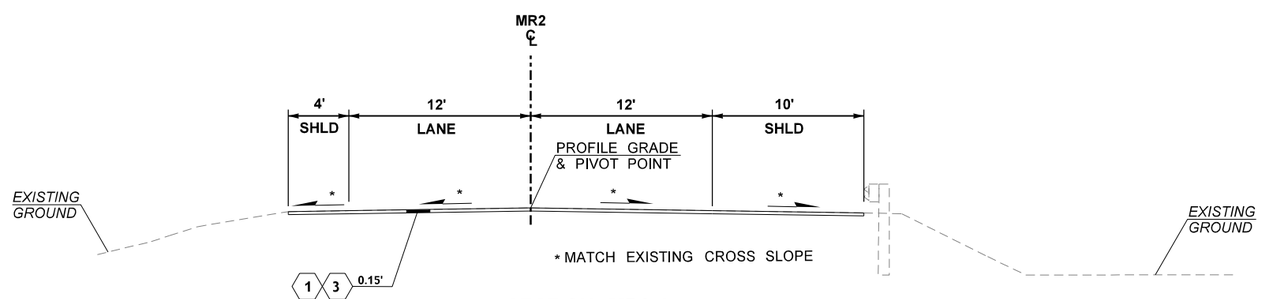
* MATCH EXISTING CROSS SLOPE. TRANSITION TO ROADWAY SECTION MR2-2 SHALL BE FIELD DETERMINED



ROADWAY SECTION MR2-3

STATION
MR2 323+30.90 TO MR2 323+70.90

SEE NOTE 6



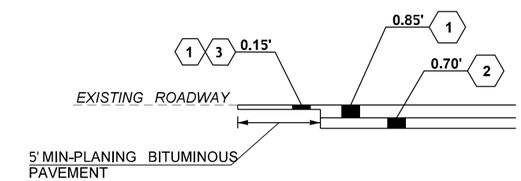
ROADWAY SECTION MR2-4

STATION
MR2 323+20.90 TO MR2 323+80.90

SEE NOTE 6

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATIONS AND TYPE.
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
4. FOR EMBANKMENT WIDENING SEE WSDOT STD. PLAN A-50.10 AT BARRIER CONNECTION AND C-22.40 AT END TREATMENTS.
5. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD. SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
6. CONSTRUCTION OF SECTION MR2-3 SHALL TAKE PLACE PRIOR TO SECTION MR2-4
7. PAVEMENT SHALL BE PLACED IN A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'



DETAIL A - BUTT JOINT PLANING

SEE ROADWAY SECTION ML2-1 AND MR2-1

LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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ROADWAY SECTIONS

PLAN REF NO RS1-B

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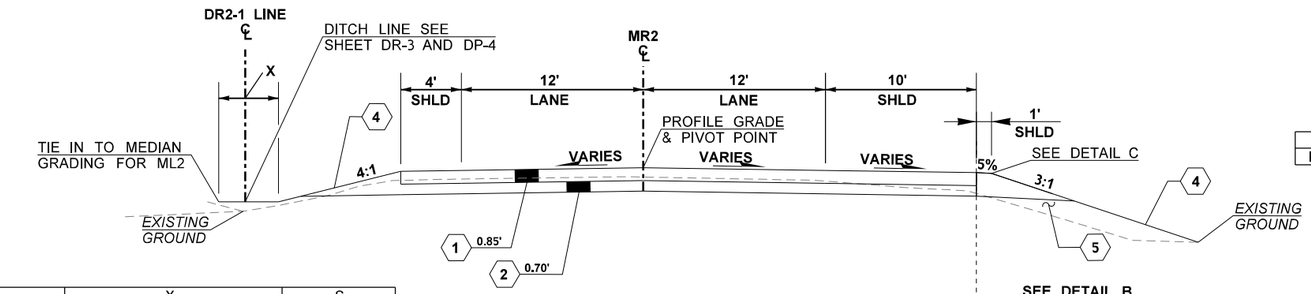
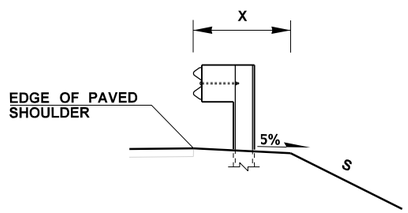


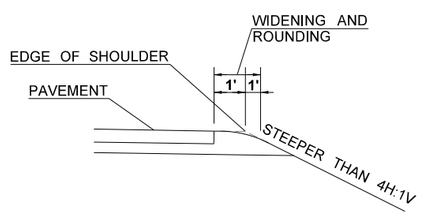
STATION
MR2 339+53.70 TO MR2 343+60.00

STATION	X	S
MR2 328+70.00 TO MR2 329+55.00	0'	VARIES
MR2 329+55.00 TO MR2 331+55.00	VARIES (4' MIN - 8' MAX)	4:1
MR2 331+55.00 TO MR2 331+65.00	4.5' TO 0'	4:1 TO 6:1
MR2 331+65.00 TO MR2 338+55.00	VARIES (0' MIN - 11.5' MAX)	6:1
MR2 338+55.00 TO MR2 338+80.00	0.5' TO 5.5'	6:1 TO 4:1
MR2 338+80.00 TO MR2 341+25.00	VARIES (3.5' MIN - 4.5' MAX)	4:1
MR2 341+25.00 TO MR2 341+50.00	3.5' TO 0'	4:1 TO 6:1
MR2 341+50.00 TO MR2 343+60.00	VARIES (0' MIN - 10' MAX)	6:1

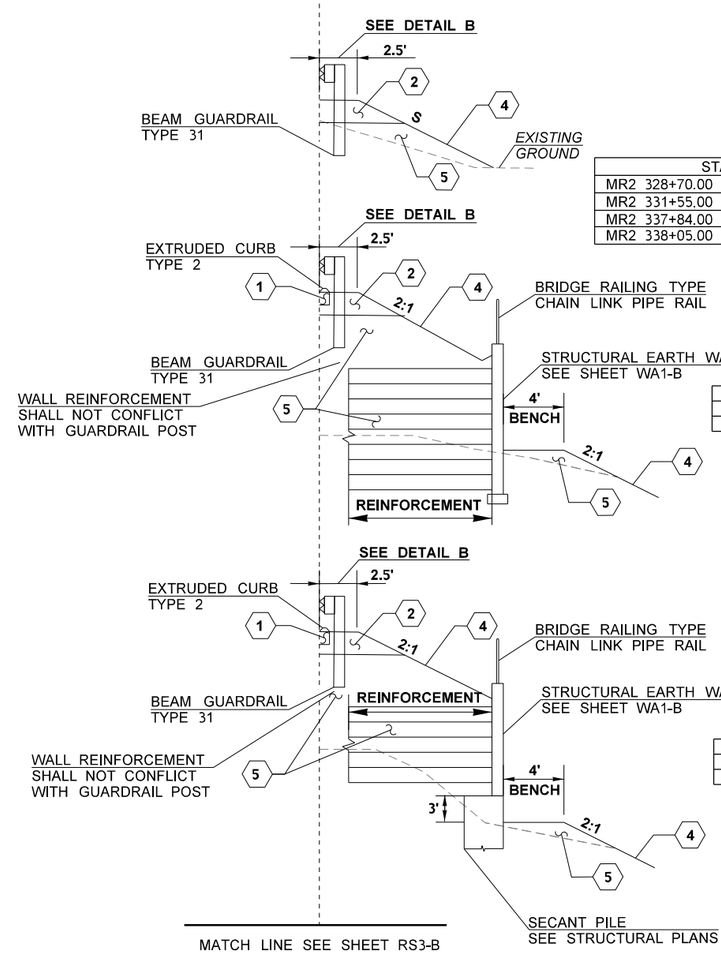


DETAIL B - MR3 GUARDRAIL GRADING

STATION	X	S
MR2 328+70.00 TO MR2 334+72.00	2.5'	1.5:1 TO 2:1
MR2 334+72.00 TO MR2 334+82.00	2.5' - 4.0'	2:1
MR2 334+82.00 TO MR2 336+76.00	4.0'	2:1
MR2 336+76.00 TO MR2 336+86.00	4' TO 2.5'	2:1
MR2 336+86.00 TO MR2 339+47.00	2.5'	2:1 TO 1.5:1



DETAIL C - SHOULDER WIDENING AND ROUNDING FOR SLOPES STEEPER THAN 4H:1V



STATION	S	POST LENGTH
MR2 328+70.00 TO MR2 331+55.00	1.5:1	8'
MR2 331+55.00 TO MR2 331+75.00	1.5:1 - 2:1	8'
MR2 337+84.00 TO MR2 338+05.00	2:1 - 1.5:1	8'
MR2 338+05.00 TO MR2 339+53.70	1.5:1	8'

STATION	POST LENGTH
MR2 331+75.00 TO MR2 335+00.00	6'
MR2 336+53.20 TO MR2 337+84.00	6'

STATION	POST LENGTH
MR2 335+00.00 TO MR2 335+29.00	6'
MR2 336+29.00 TO MR2 336+53.20	6'

ROADWAY SECTION MR2-2

ROADWAY SECTIONS CONTINUE ON SHEET RS3-B

STATION
MR2 328+70.00 TO MR2 343+60.00

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATIONS AND TYPE.
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
4. FOR EMBANKMENT WIDENING SEE WSDOT STD. PLAN A-50.10 AT BARRIER CONNECTION AND C-22.40 AT END TREATMENTS.
5. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD. SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
6. PAVEMENT SHALL BE PLACED IN A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'

LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO **RS2-B**

SHEET 352 OF 1241 SHEETS

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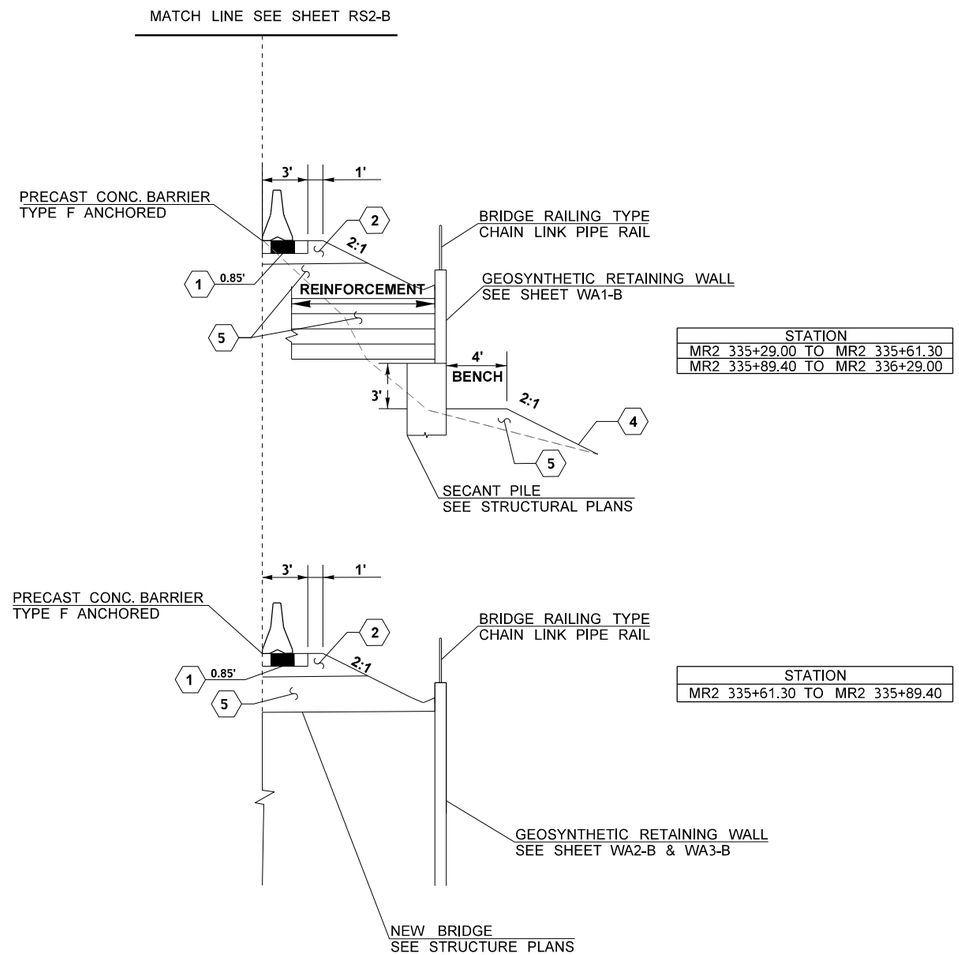

STATION
MR2 335+29.00 TO MR2 335+61.30
MR2 335+89.40 TO MR2 336+29.00

STATION
MR2 335+61.30 TO MR2 335+89.40

ROADWAY SECTION MR2-2

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATIONS AND TYPE.
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
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6. PAVEMENT SHALL BE PLACED IN A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'

LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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ENTERED BY	H. EILERS
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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

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REGION NO. 10 | STATE WASH | JOB NUMBER 21C522 | CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

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DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS3-B

SHEET 353 OF 1241 SHEETS

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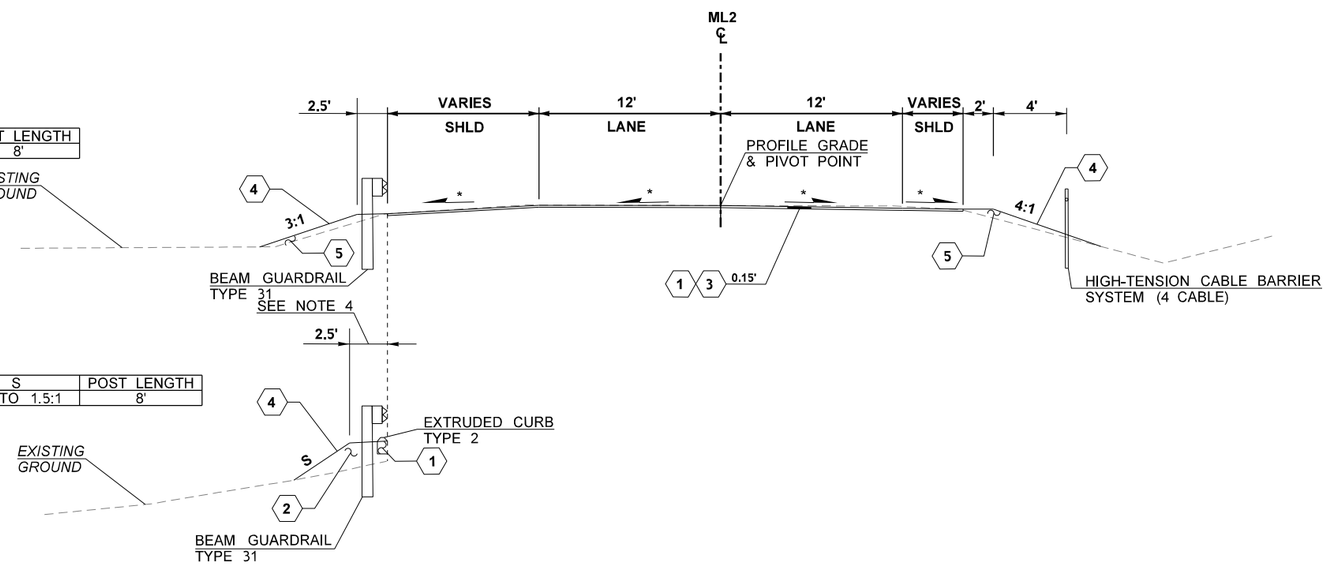
STATION	POST LENGTH
ML2 427+70.00 TO ML2 427+78.00	8'

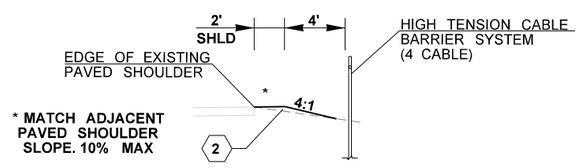
STATION	S	POST LENGTH
ML2 427+78.00 TO ML2 428+70.00	3:1 TO 1.5:1	8'



ROADWAY SECTION ML2-1

STATION
ML2 427+70.00 TO ML2 428+70.00
ML2 443+30.00 TO ML2 444+30.00

* MATCH EXISTING CROSS SLOPE. TRANSITION TO ROADWAY SECTION ML2-2 SHALL BE FIELD DETERMINED



DETAIL D - ML2 HIGH TENSION CABLE BARRIER

STATION
ML2 416+72.00 TO 427+70.00
ML2 444+30.00 TO 453+86.80

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATIONS AND TYPE.
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LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

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ROADWAY SECTIONS

PLAN REF NO RS4-B

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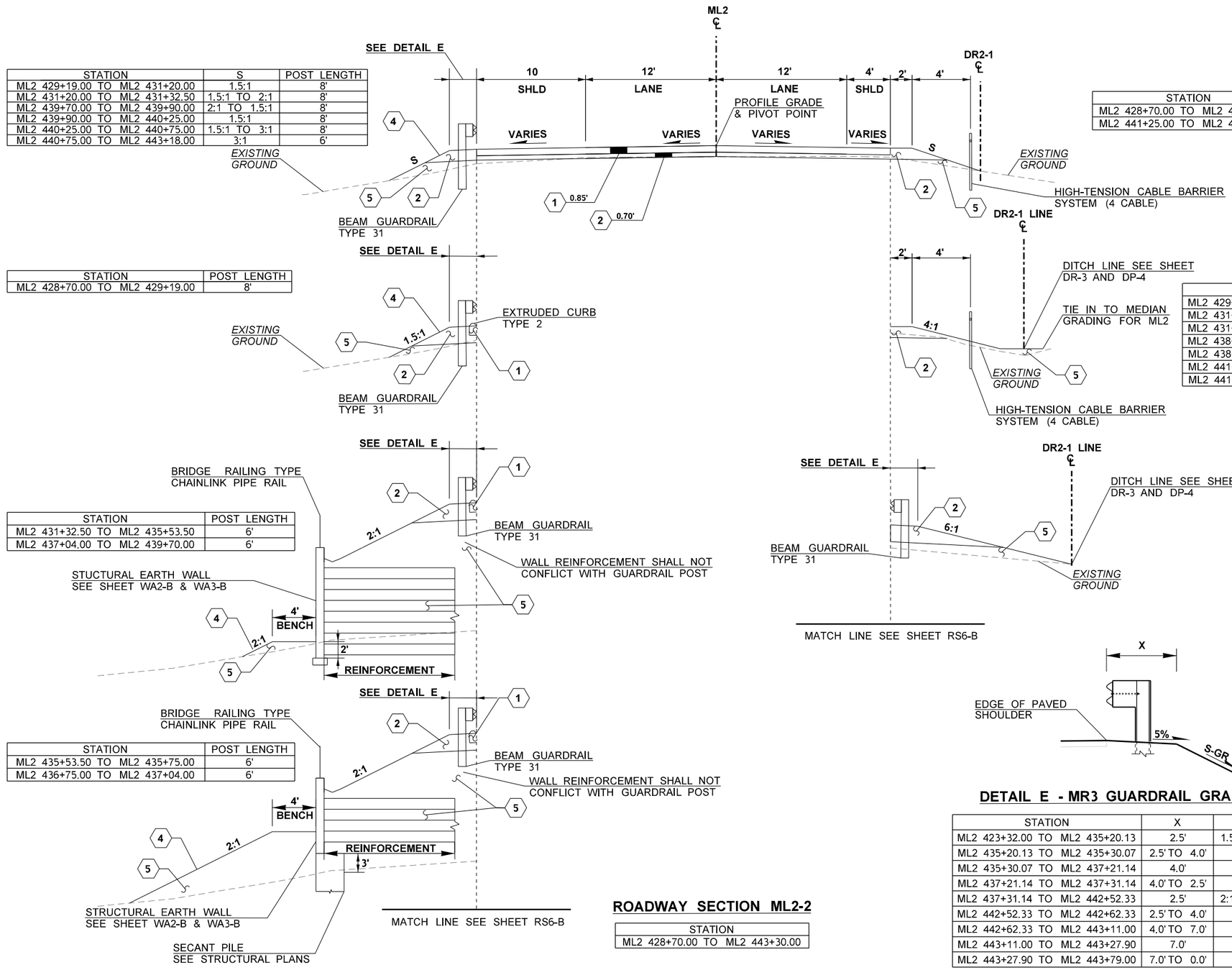


STATION	S	POST LENGTH
ML2 429+19.00 TO ML2 431+20.00	1.5:1	8'
ML2 431+20.00 TO ML2 431+32.50	1.5:1 TO 2:1	8'
ML2 439+70.00 TO ML2 439+90.00	2:1 TO 1.5:1	8'
ML2 439+90.00 TO ML2 440+25.00	1.5:1	8'
ML2 440+25.00 TO ML2 440+75.00	1.5:1 TO 3:1	8'
ML2 440+75.00 TO ML2 443+18.00	3:1	6'

STATION	S
ML2 428+70.00 TO ML2 429+55.00	VARIES
ML2 441+25.00 TO ML2 443+30.00	4:1

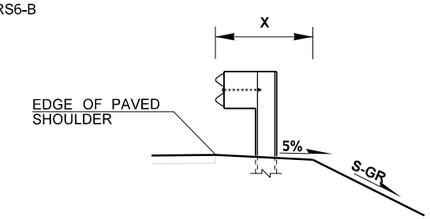
STATION	POST LENGTH
ML2 428+70.00 TO ML2 429+19.00	8'

STATION	S
ML2 429+55.00 TO ML2 431+30.00	4:1
ML2 431+30.00 TO ML2 431+45.00	4:1 TO 6:1
ML2 431+45.00 TO ML2 435+75.00	6:1
ML2 438+60.00 TO ML2 438+85.00	6:1 TO 4:1
ML2 438+85.00 TO ML2 441+25.00	4:1
ML2 441+25.00 TO ML2 441+50.00	4:1 TO 6:1
ML2 441+50.00 TO ML2 443+30.00	6:1

STATION
ML2 436+76.00 TO ML2 438+60.00

STATION	POST LENGTH
ML2 431+32.50 TO ML2 435+53.50	6'
ML2 437+04.00 TO ML2 439+70.00	6'

STATION	POST LENGTH
ML2 435+53.50 TO ML2 435+75.00	6'
ML2 436+75.00 TO ML2 437+04.00	6'



DETAIL E - MR3 GUARDRAIL GRADING

STATION	X	S-GR
ML2 423+32.00 TO ML2 435+20.13	2.5'	1.5:1 TO 2:1
ML2 435+20.13 TO ML2 435+30.07	2.5' TO 4.0'	2:1
ML2 435+30.07 TO ML2 437+21.14	4.0'	2:1
ML2 437+21.14 TO ML2 437+31.14	4.0' TO 2.5'	2:1
ML2 437+31.14 TO ML2 442+52.33	2.5'	2:1 TO 1.5:1
ML2 442+52.33 TO ML2 442+62.33	2.5' TO 4.0'	1.5:1
ML2 442+62.33 TO ML2 443+11.00	4.0' TO 7.0'	1.5:1
ML2 443+11.00 TO ML2 443+27.90	7.0'	1.5:1
ML2 443+27.90 TO ML2 443+79.00	7.0' TO 0.0'	1.5:1

ROADWAY SECTION ML2-2

STATION
ML2 428+70.00 TO ML2 443+30.00

LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

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PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1 DATE
P.E. STAMP BOX

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

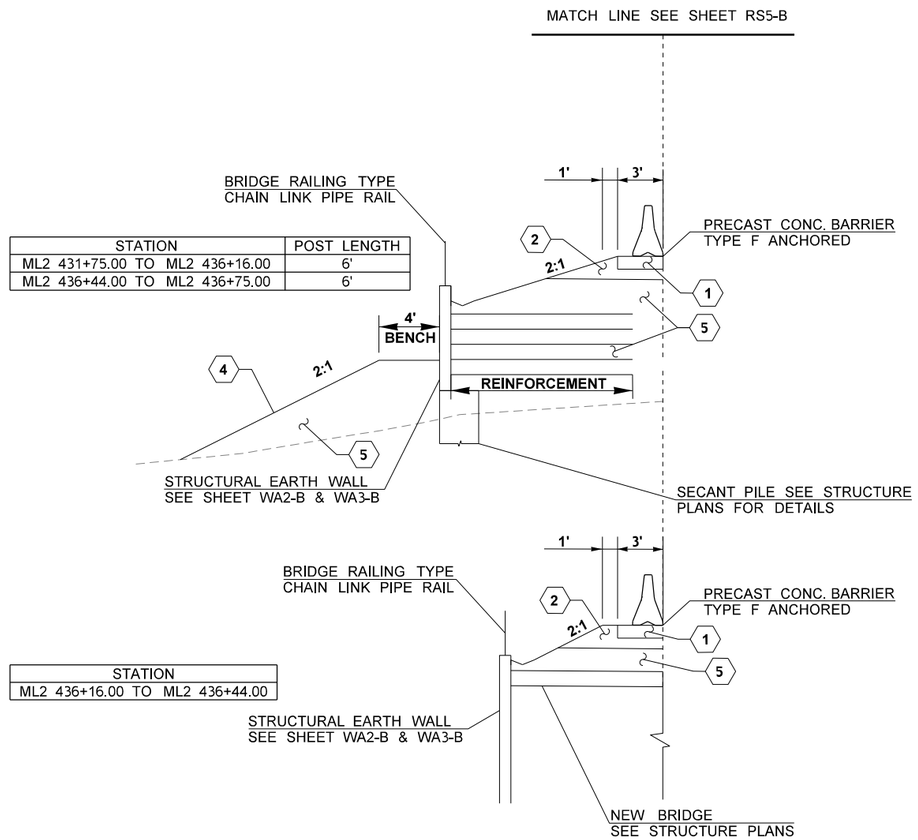
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS5-B

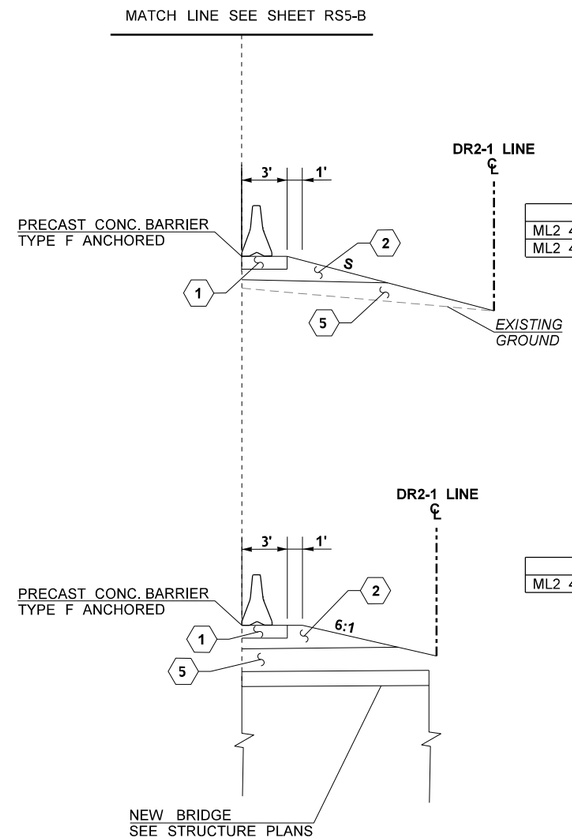
SHEET 355 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_RS_005.dgn



STATION	POST LENGTH
ML2 431+75.00 TO ML2 436+16.00	6'
ML2 436+44.00 TO ML2 436+75.00	6'

STATION
ML2 436+16.00 TO ML2 436+44.00



STATION	S
ML2 435+75.50 TO ML2 435+94.00	6:1
ML2 436+25.00 TO ML2 436+75.50	6:1 TO 4:1

STATION
ML2 435+94.00 TO ML2 436+25.00

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATIONS AND TYPE.
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
4. FOR EMBANKMENT WIDENING SEE WSDOT STD. PLAN A-50.10 AT BARRIER CONNECTION AND C-22.40 AT END TREATMENTS.
5. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD. SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
6. PAVEMENT SHALL BE PLACED IN A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'

LEGEND

1. HMA CL. 1/2 IN PG 58H-22
2. CRUSHED SURFACING BASE COURSE
3. PLANING BITUMINOUS PAVEMENT
4. SOIL PREPARATION, SEE ROADSIDE RESTORATION PLANS
5. GRAVEL BORROW INCL. HAUL - WENZEL SLOUGH

ROADWAY SECTION ML2-2

STATION
ML2 428+70.00 TO ML2 443+30.00

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_RS_006.dgn

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TIME	11:46:32 AM
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PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1
DATE
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DATE
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Washington State Department of Transportation

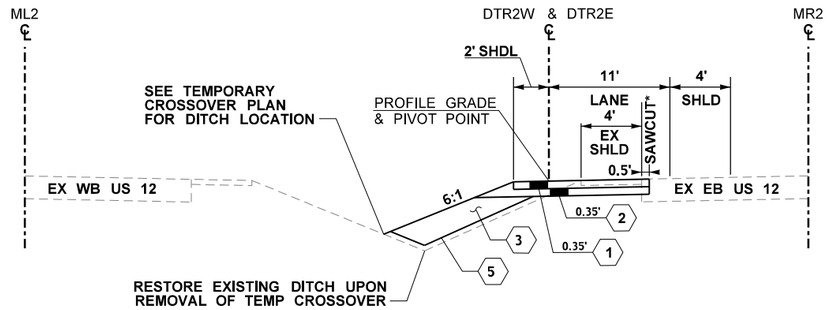
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

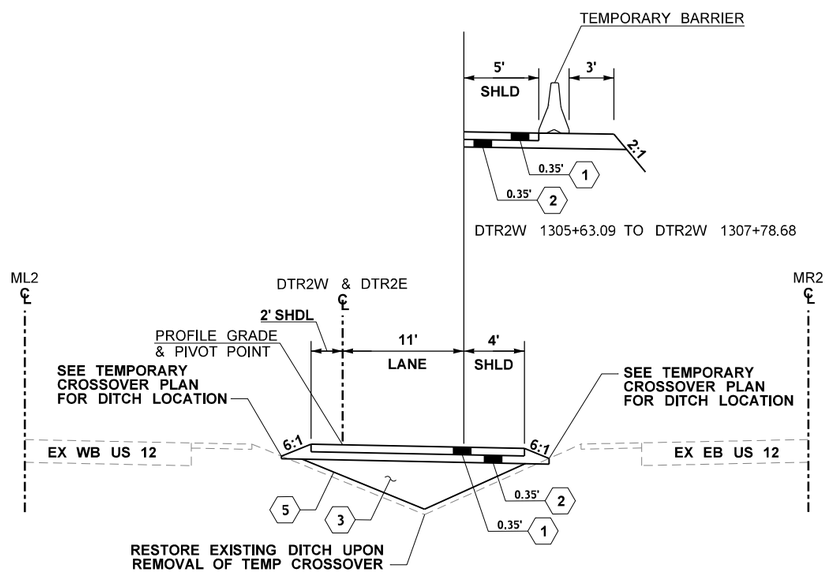
PLAN REF NO
RS6-B

SHEET 356 OF 1241 SHEETS



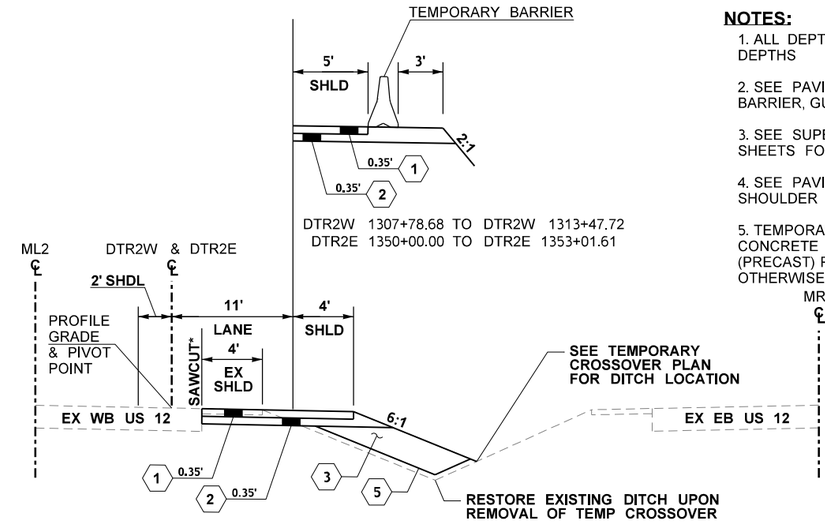
TEMPORARY ROADWAY SECTION DTR2W-1 & DTR2E-1

STATION
DTR2W 1300+00.00 TO DTR2W 1305+63.09
DTR2E 1356+47.62 TO DTR3E 1362+01.64



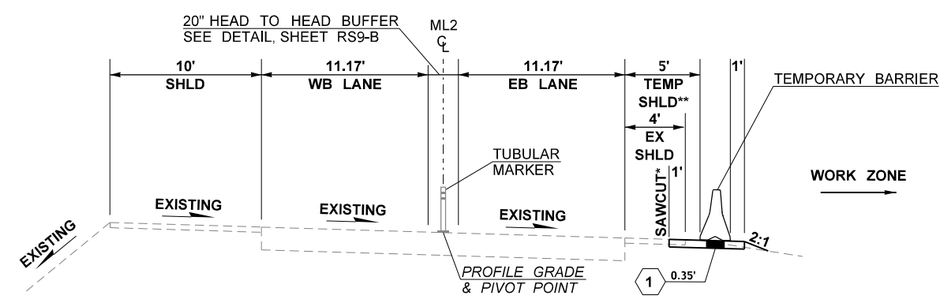
TEMPORARY ROADWAY SECTION DTR2W-2 & DTR2E-2

STATION
DTR2W 1305+63.09 TO DTR2W 1307+78.68
DTR2E 1354+43.37 TO DTR2E 1356+47.62



TEMPORARY ROADWAY SECTION DTR2W-3 & DTR2E-3

STATION
DTR2W 1307+78.68 TO DTR2W 1313+47.72
DTR2E 1350+00.00 TO DTR2E 1354+43.37



TEMPORARY ROADWAY SECTION ML2

STATION
ML2 432+09.29 TO ML2 441+19.10

NOTES:

1. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL (OTHERS AS NEEDED)
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
4. SEE PAVING DETAIL SHEET FOR ADDITIONAL SHOULDER DETAILS
5. TEMPORARY BARRIER SHALL BE ANCHORED CONCRETE BARRIER TYPE F WITH SCUPPERS (PRECAST) PER STD. PLAN C-60.15, UNLESS OTHERWISE NOTED

LEGEND

1. COMMERCIAL HMA 1/2 IN
2. CRUSHED SURFACING BASE COURSE
3. GRAVEL BORROW INCL. HAUL
4. SOIL PREPARATION, SEE LANDSCAPE RESTORATION PLAN
5. WOVEN CONSTRUCTION GEOTEXTILE FOR SEPARATION

* SEE OFFSET MILL DETAIL, SHEET RS9-B
** RESTORE SHOULDER BACK TO 4' WIDE UPON REMOVAL OF TEMPORARY CROSSOVER

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY SECTIONS

PLAN REF NO RS7-B

SHEET 357 OF 1241 SHEETS

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

MASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

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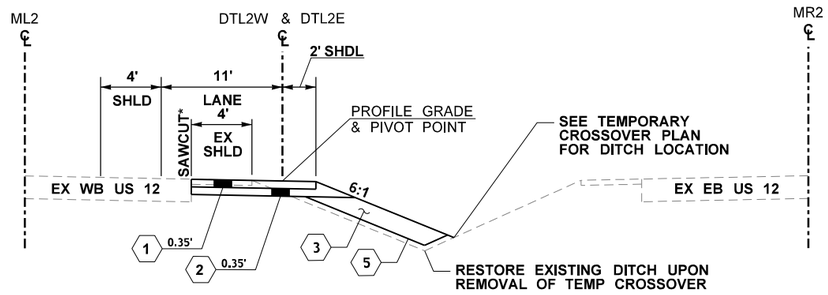
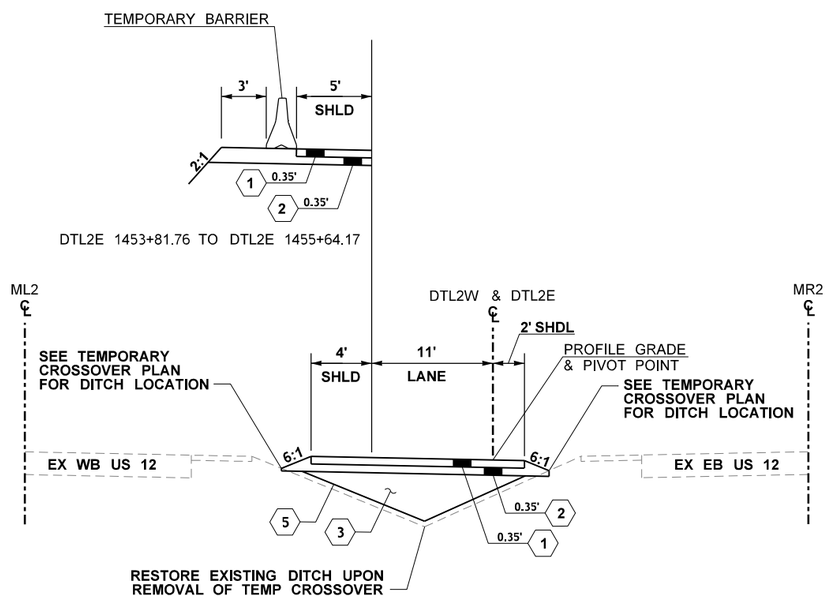


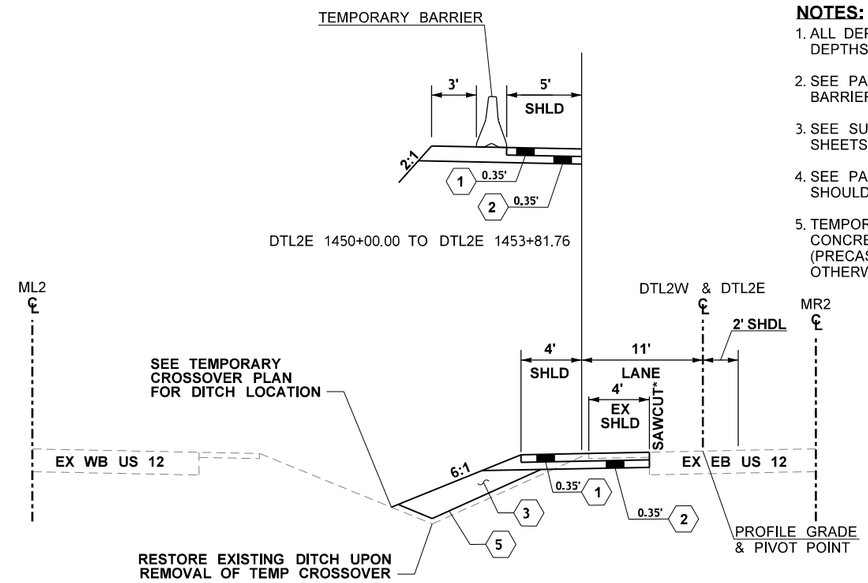
TEMPORARY ROADWAY SECTION DTL2W-1 & DTL2E-1

STATION
DTL2W 1400+00.00 TO DTL2W 1405+44.67
DTL2E 1455+64.17 TO DTL2E 1461+28.07



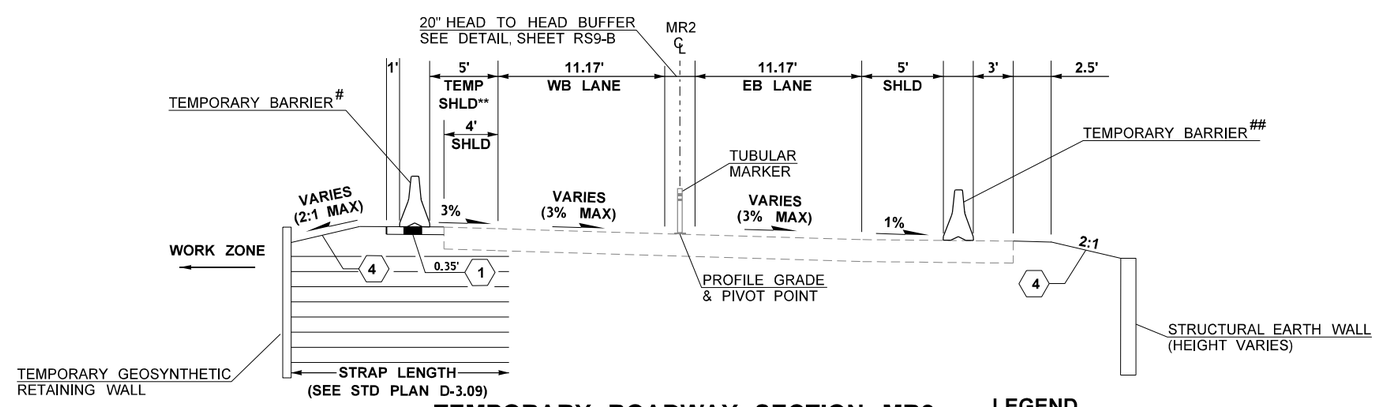
TEMPORARY ROADWAY SECTION DTL2W-2 & DTL2E-2

STATION
DTL2W 1405+44.67 TO DTL2W 1407+67.19
DTL2E 1453+81.76 TO DTL2E 1455+64.17



TEMPORARY ROADWAY SECTION DTL2W-3 & DTL2E-3

STATION
DTL2W 1407+67.19 TO DTL2W 1412+92.42
DTL2E 1450+00.00 TO DTL2E 1453+81.76



TEMPORARY ROADWAY SECTION MR2

STATION
MR2 329+28.29 TO MR2 342+92.49

TEMPORARY BARRIER SHALL BE CONCRETE BARRIER TYPE 2 WITH TYPE 3 ANCHOR PER STD. PLAN K-80.32 AND K-80.35 FROM MR2 335+70 TO MR2 336+20.

TEMPORARY BARRIER SHALL BE CONCRETE BARRIER TYPE F WITH SCUPPERS PER STD. PLAN C-60.15.

NOTES:

1. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL (OTHERS AS NEEDED)
3. SEE SUPERELEVATION DIAGRAMS ON PROFILE SHEETS FOR VARIABLE CROSS SLOPES
4. SEE PAVING DETAIL SHEET FOR ADDITIONAL SHOULDER DETAILS
5. TEMPORARY BARRIER SHALL BE ANCHORED CONCRETE BARRIER TYPE F WITH SCUPPERS (PRECAST) PER STD. PLAN C-60.15, UNLESS OTHERWISE NOTED

LEGEND

1. COMMERCIAL HMA 1/2 IN
2. CRUSHED SURFACING BASE COURSE
3. GRAVEL BORROW INCL. HAUL
4. SOIL PREPARATION, SEE LANDSCAPE RESTORATION PLAN
5. WOVEN CONSTRUCTION GEOTEXTILE FOR SEPARATION

* SEE OFFSET MILL DETAIL, SHEET RS9-B
** RESTORE SHOUDER BACK TO 4' WIDE UPON REMOVAL OF TEMPORARY CROSSOVER

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY SECTIONS

PLAN REF NO RS8-B

SHEET 358 OF 1241 SHEETS

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PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

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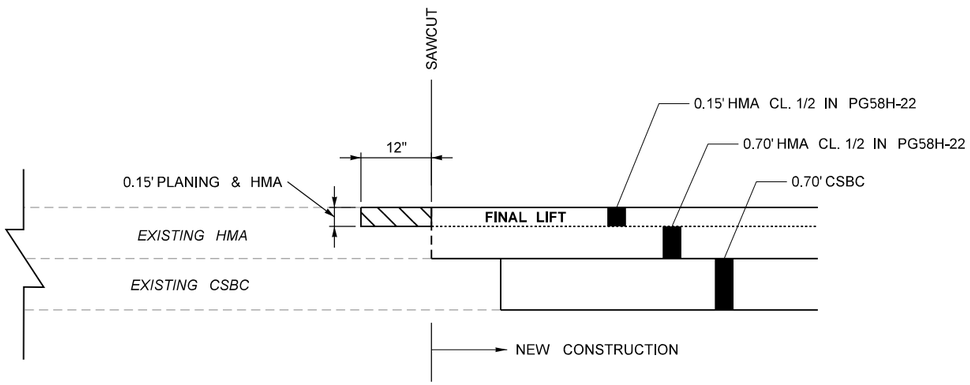
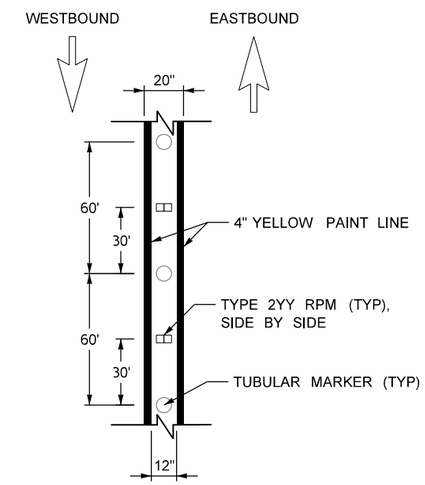


LONGITUDINAL SAWCUT

OFFSET MILLING DETAIL



20" HEAD TO HEAD BUFFER DETAIL

NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS

US 12 MP 17.56 UNNAMED
TRIBUTARY TO WENZEL SLOUGH

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ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER 21C522 | CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY SECTIONS

PLAN REF NO RS9-B

SHEET 359 OF 1241 SHEETS

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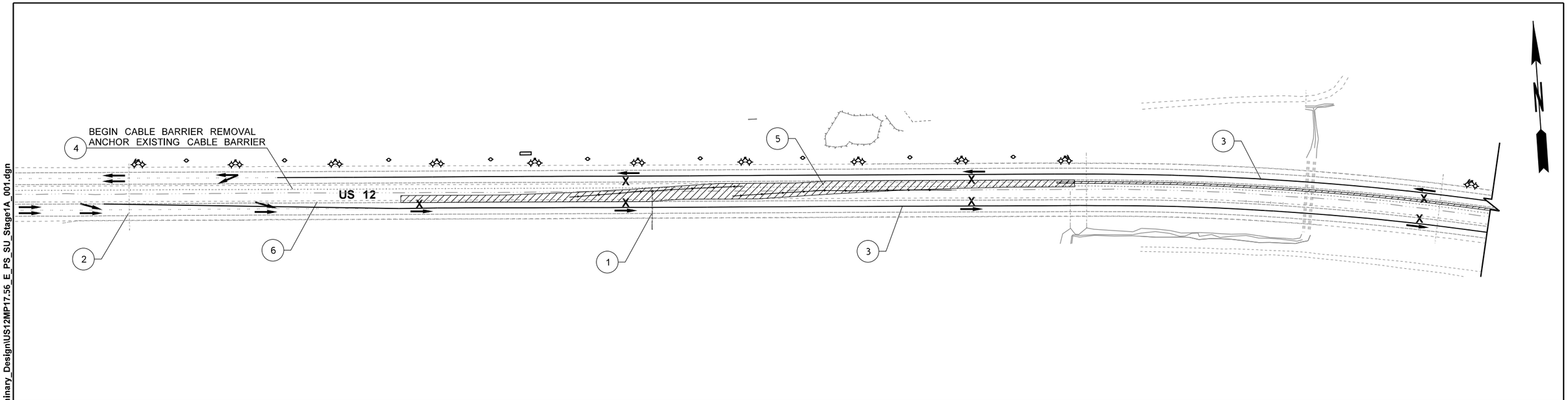
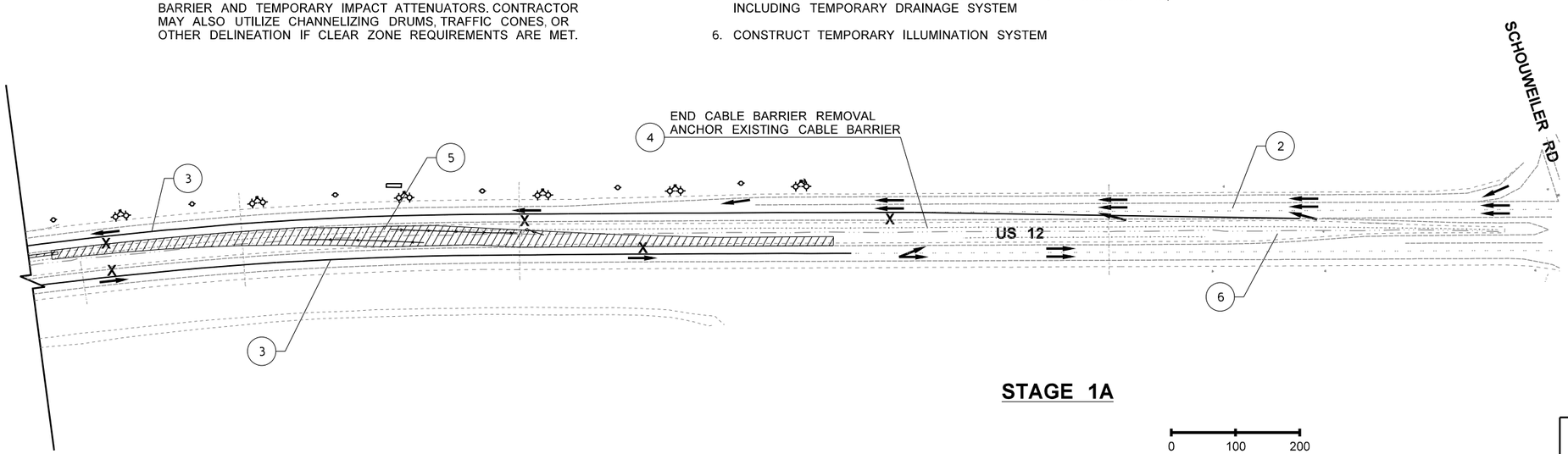


NOTES:

1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.

STAGE 1A ELEMENTS OF WORK:

1. INSTALL STORM DRAINAGE SYSTEM AT STA 323+50
2. REDUCE EASTBOUND AND WESTBOUND TRAFFIC TO SINGLE LANE IN OUTER LANE
3. INSTALL TEMPORARY CHANNELIZATION DEVICES. SEE TRAFFIC CONTROL PLANS TC65-E AND TC66-E FOR LANE SHIFT DURING INSTALLATION
4. REMOVE CABLE BARRIER (SEE SITE PREP PLANS)
5. CLEAR/GRUB AND CONSTRUCT EASTBOUND MEDIAN CROSSOVERS, INCLUDING TEMPORARY DRAINAGE SYSTEM
6. CONSTRUCT TEMPORARY ILLUMINATION SYSTEM



STAGE 1A

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

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JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO
SU1-B

SHEET 360 OF 1241 SHEETS

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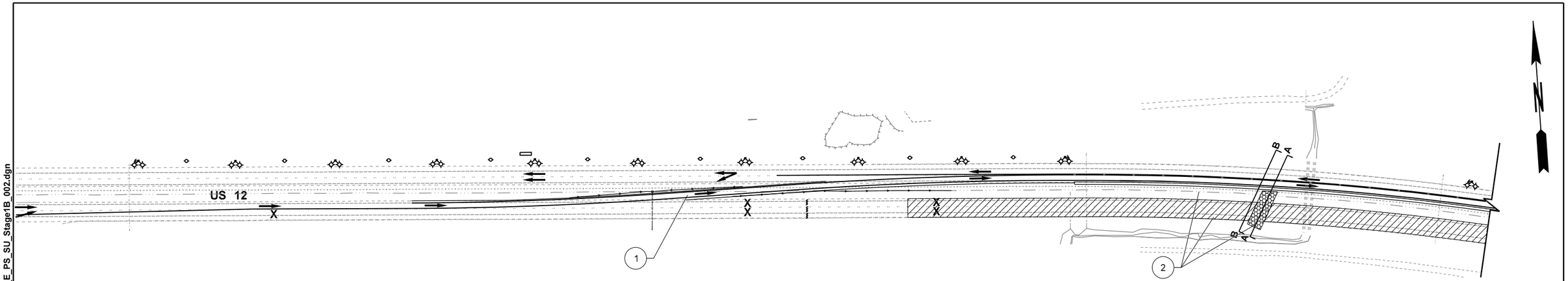
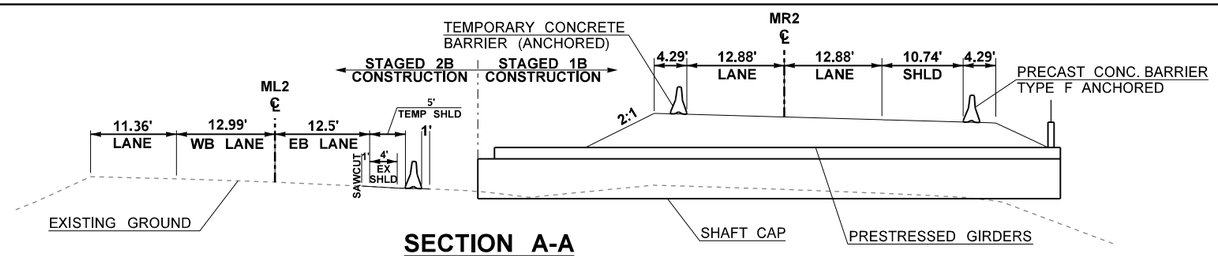


STAGE 1B ELEMENTS OF WORK:

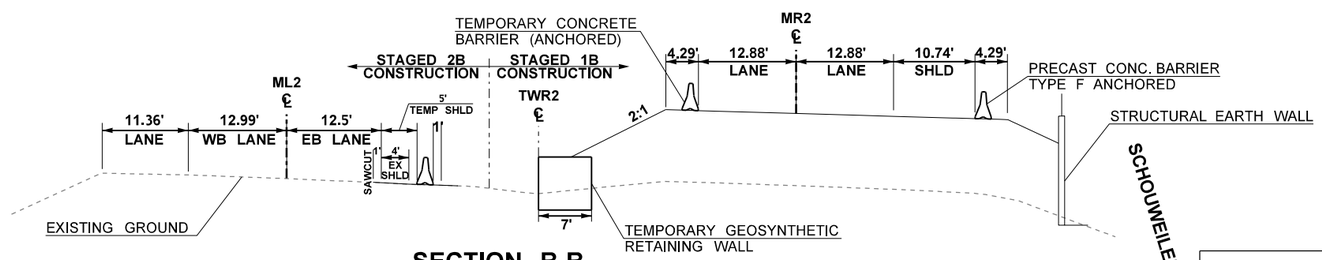
1. SHIFT SINGLE EASTBOUND LANE TO MEDIAN CROSSOVER WB LANE
2. CONSTRUCT EASTBOUND BURIED STRUCTURE SEGMENT, ROADWAY APPROACH, DRAINAGE, WALLS, AND LONGITUDINAL SHORING.

NOTES:

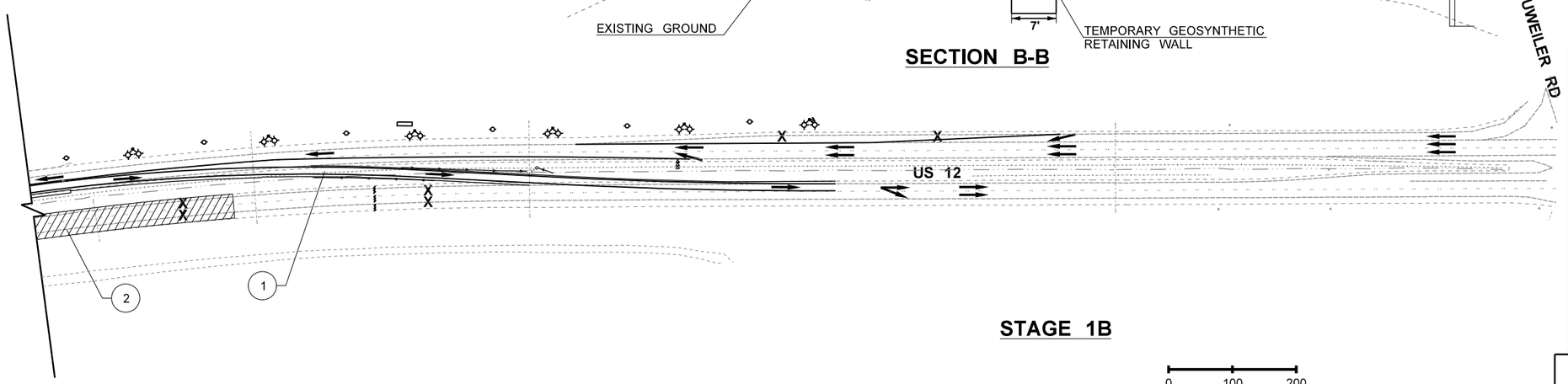
1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.



SECTION A-A



SECTION B-B



STAGE 1B

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

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REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU2-B

SHEET 361 OF 1241 SHEETS

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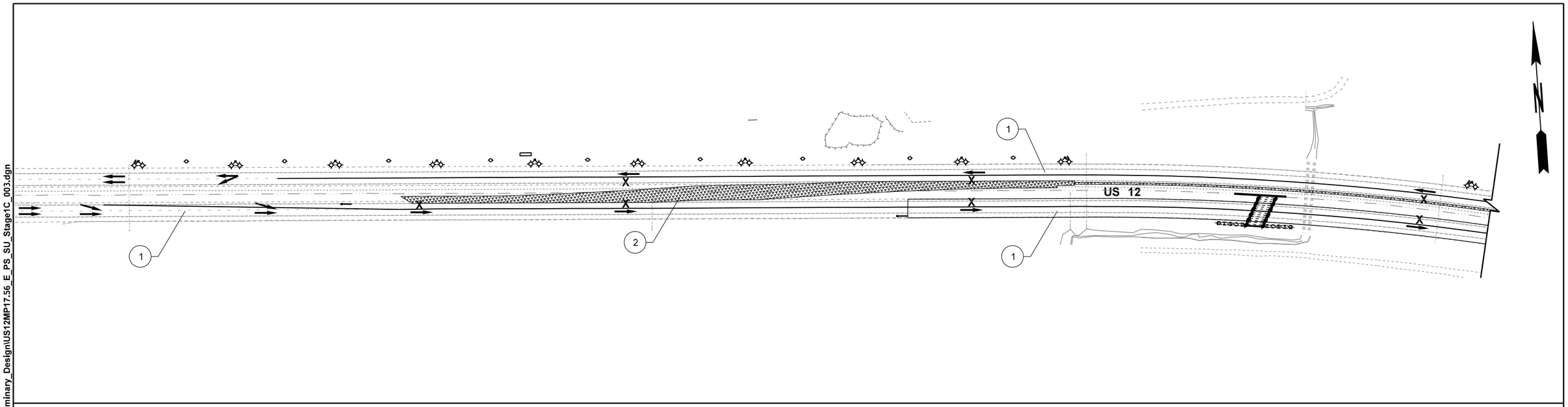
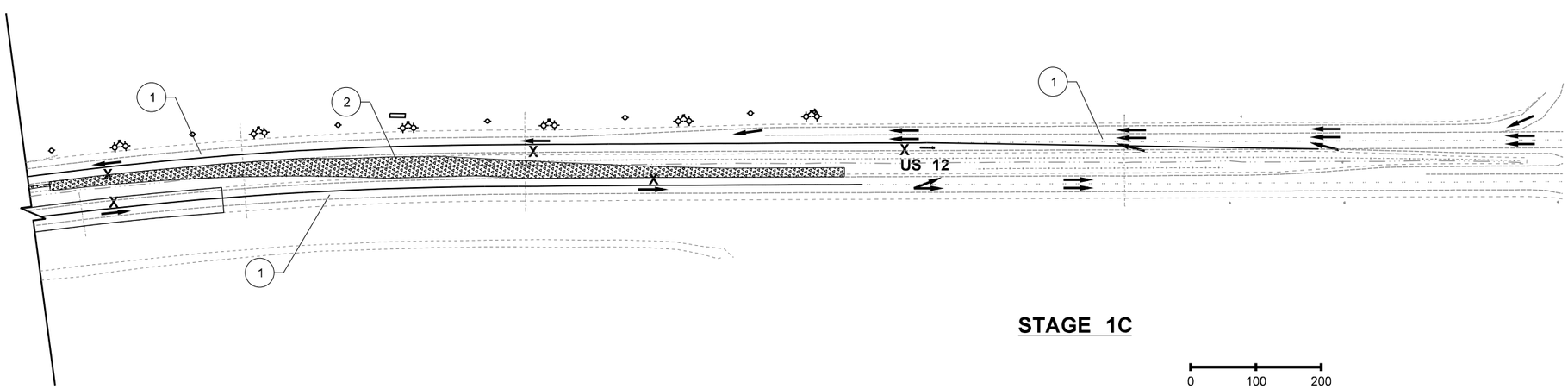


NOTES:

1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.

STAGE 1C ELEMENTS OF WORK:

1. SHIFT SINGLE EASTBOUND LANE ON EASTBOUND SEGMENT AND PERMANENT ROADWAY ALIGNMENT. MAINTAIN WESTBOUND TRAFFIC AS SINGLE OUTER LANE.
2. REMOVE EASTBOUND CROSSOVER PAVEMENT AND STRIPING



STAGE 1C

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SU_Stage1C_003.dgn
TIME	1:26:35 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

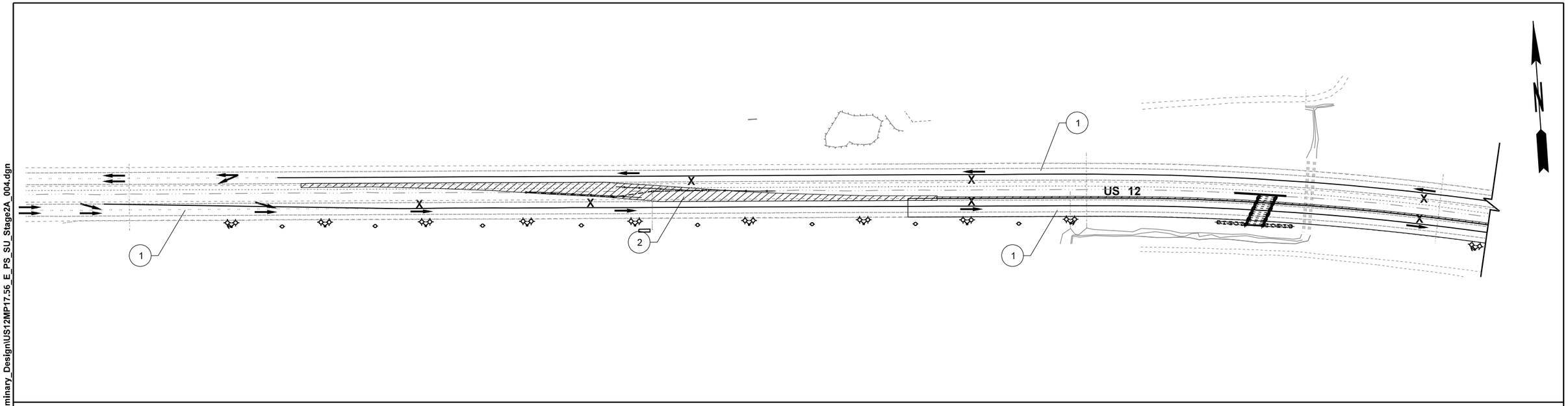
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU3-B

SHEET 362 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SU_Stage1C_003.dgn

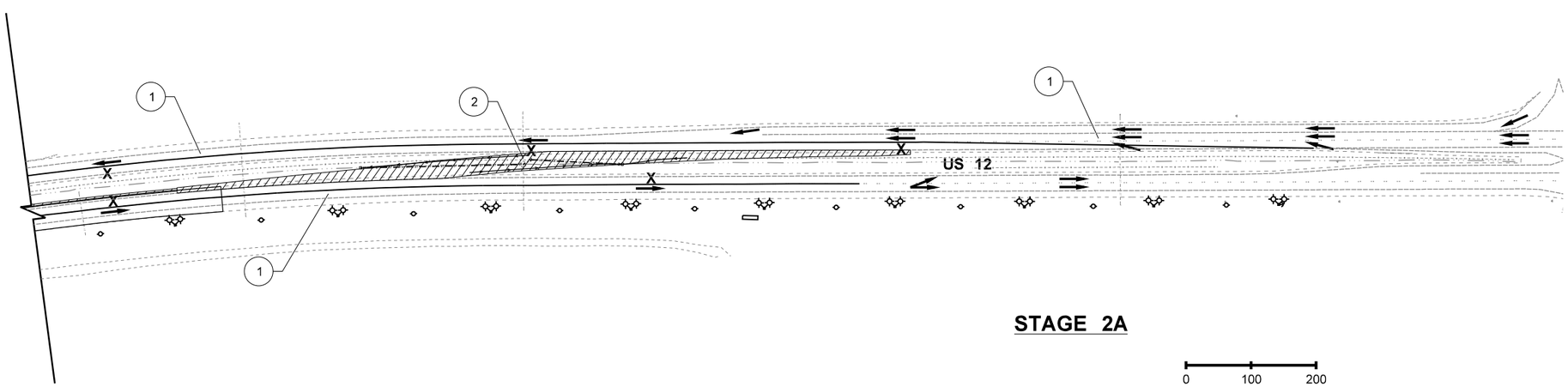


NOTES:

1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.

STAGE 2A ELEMENTS OF WORK:

1. MAINTAIN EASTBOUND AND WESTBOUND TRAFFIC AS SINGLE LANES IN OUTER LANE.
2. CONSTRUCT WESTBOUND MEDIAN CROSSOVERS.



STAGE 2A

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SU_Stage2A_004.dgn
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DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

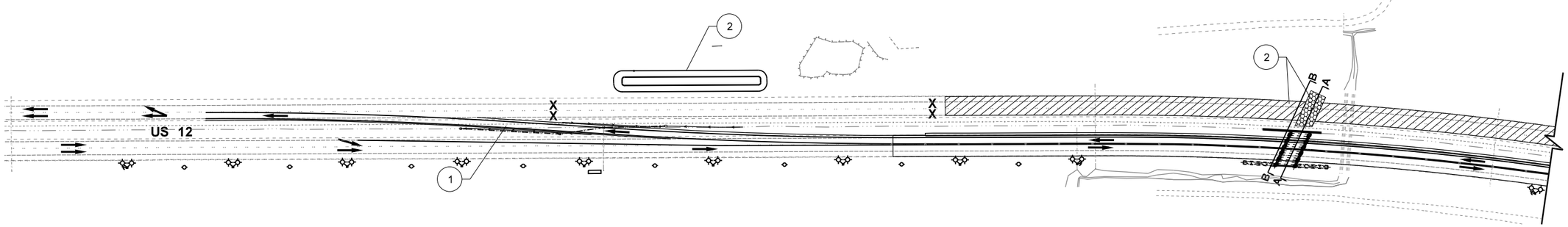
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU4-B

SHEET 363 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SU_Stage2A_004.dgn

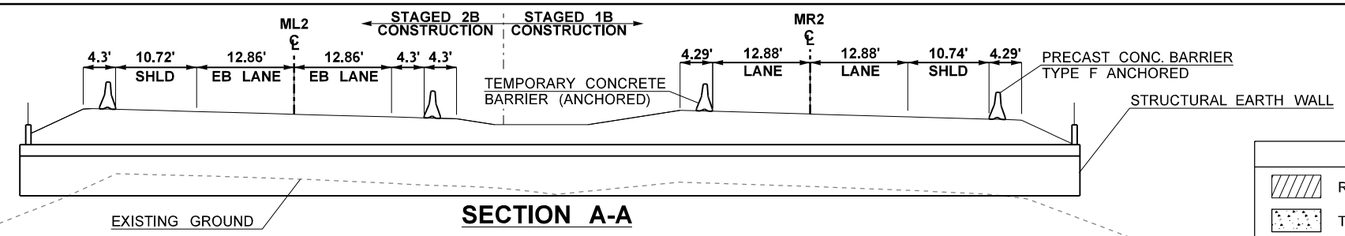


STAGE 2B ELEMENTS OF WORK:

1. SHIFT SINGLE WESTBOUND LANE TO MEDIAN CROSSOVER.
2. CONSTRUCT WESTBOUND STRUCTURE SEGMENT, ROADWAY APPROACH, DRAINAGE, WALLS, AND DETENTION POND.

NOTES:

1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.



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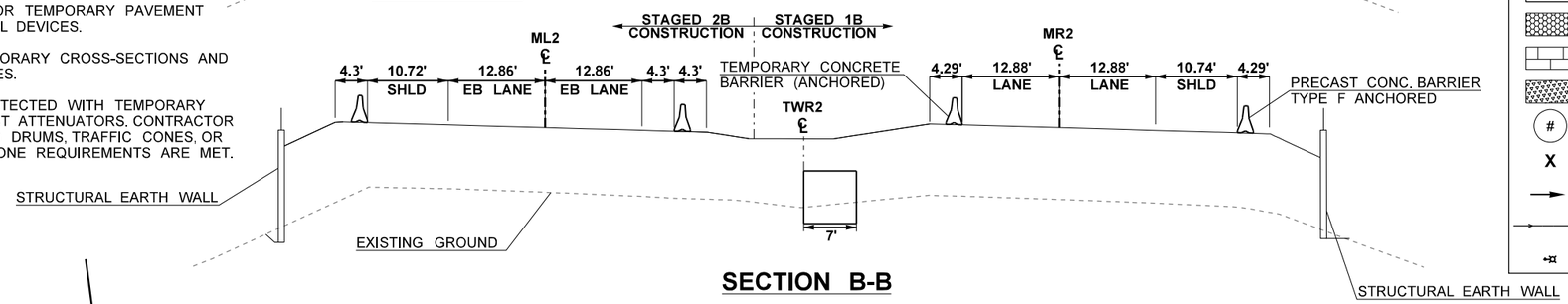

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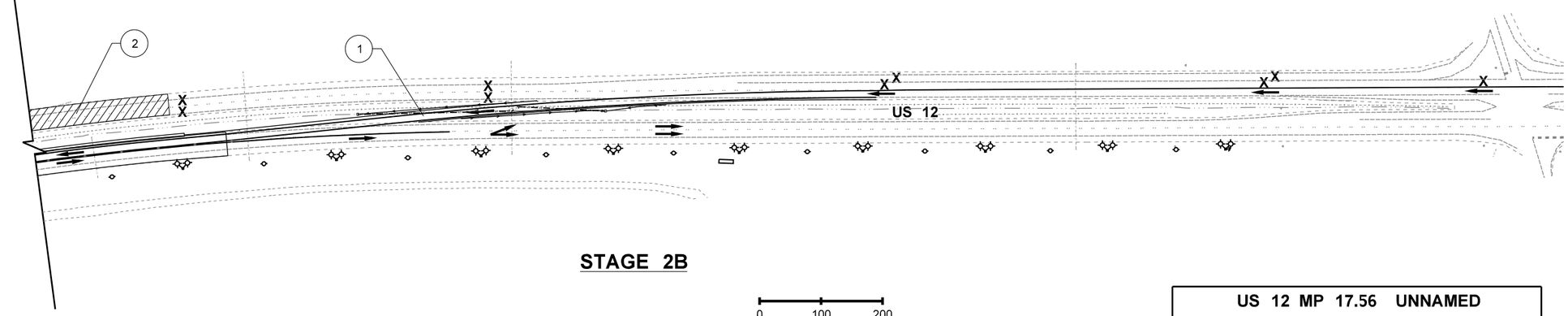

STAGE 2B

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

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TIME	1:26:56 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

MASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

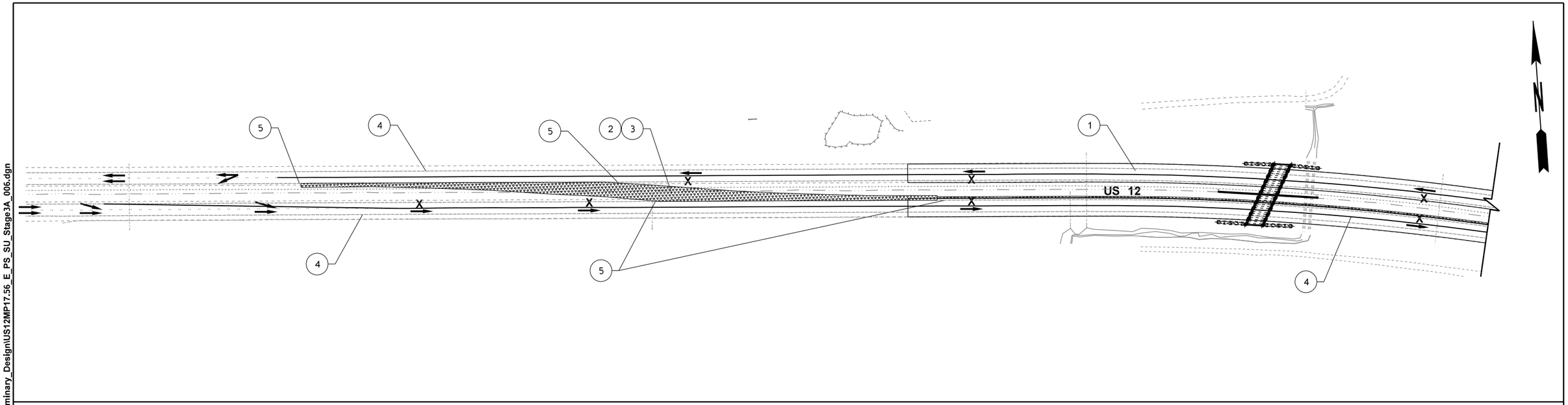
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO SU5-B

SHEET 364 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SU_Stage2B_005.dgn



NOTES:

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2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
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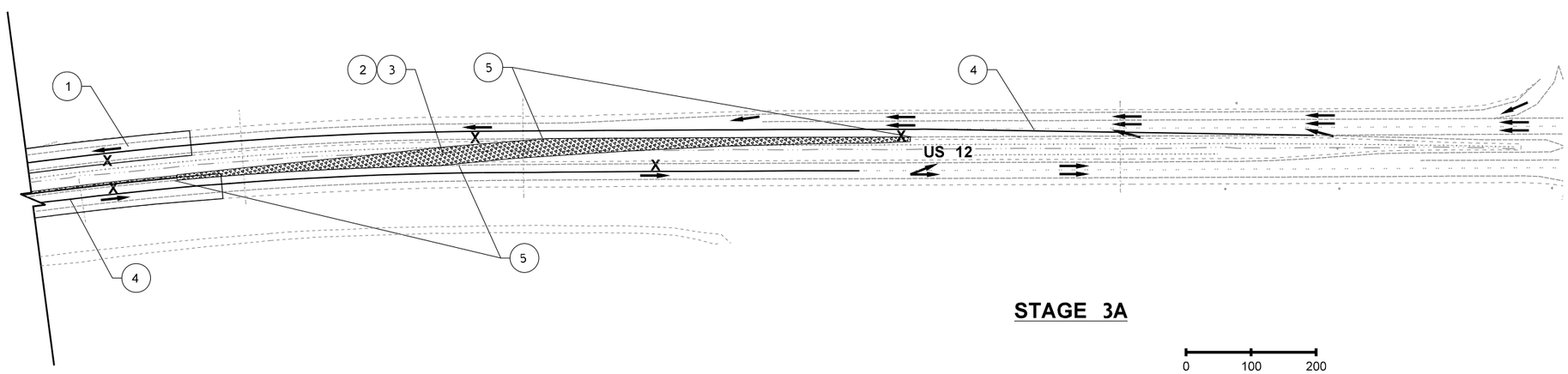
4. ALL WORK ZONES SHALL BE PROTECTED WITH TEMPORARY BARRIER AND TEMPORARY IMPACT ATTENUATORS. CONTRACTOR MAY ALSO UTILIZE CHANNELIZING DRUMS, TRAFFIC CONES, OR OTHER DELINEATION IF CLEAR ZONE REQUIREMENTS ARE MET.

STAGE 3A ELEMENTS OF WORK:

1. SHIFT WESTBOUND TRAFFIC TO PERMANENT ALIGNMENT. MAINTAIN EASTBOUND TRAFFIC AS SINGLE OUTER LANE.
2. REMOVE WESTBOUND MEDIAN CROSSOVERS.
3. GRADE AND RESTORE MEDIANS, INSTALL MEDIAN DRAINAGE.
4. REMOVE TEMPORARY CHANNELIZATION. SEE TRAFFIC CONTROL PLANS TC65-B AND TC66-B FOR LANE SHIFT DURING REMOVAL.
5. INSTALL RUMBLE STRIPS AND PERMANENT CHANNELIZATION.



STAGE 3A

0 100 200
SCALE IN FEET

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	F. SOH
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

MASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

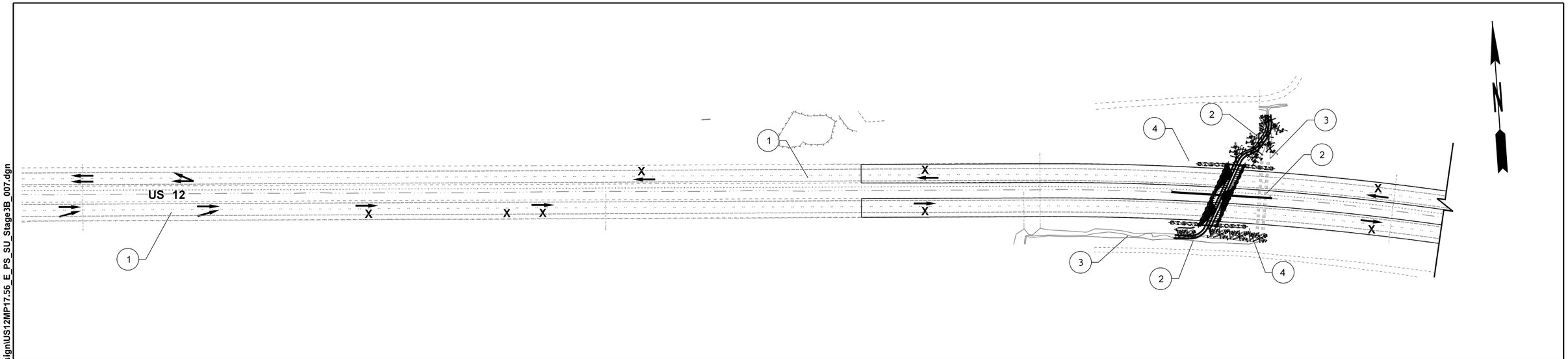
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU6-B

SHEET 365 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SU_Stage3A_006.dgn



NOTES:

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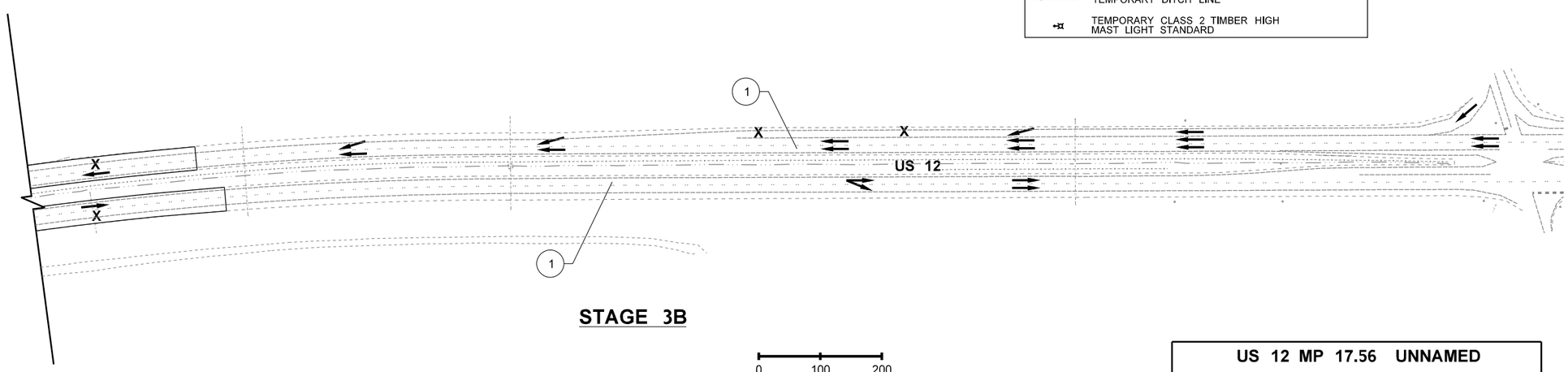
STAGE 3B ELEMENTS OF WORK:

1. SHIFT EASTBOUND AND WESTBOUND TRAFFIC TO INSIDE LANE TO CREATE WORK ZONE IN OUTSIDE LANE AT STRUCTURE.
2. GRADE NEW STREAM CHANNEL AND INSTALL LARGE WOODY MATERIAL, BOULDERS. DIVERT STREAM TO NEW ALIGNMENT AT NEW STRUCTURE. ABANDON/PLUG EXISTING CULVERT.
3. RESTORE DISTURBED AREAS PER RESTORATION PLAN.
4. REMOVE TEMPORARY BARRIER AT STRUCTURE AND INSTALL GUARDRAIL AND CABLE BARRIER.
5. RESTORE TWO LANE TRAFFIC IN EASTBOUND AND WESTBOUND DIRECTIONS.

LEGEND

- ROADWAY CONSTRUCTION
- TEMPORARY PAVEMENT
- STRUCTURE/CULVERT WORK
- STREAM WORK
- DEMOLITION WORK
- # ELEMENT OF WORK
- X ROADWAY LANE CLOSED
- DIRECTION OF TRAFFIC
- TEMPORARY DITCH LINE
- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD



STAGE 3B

0 100 200
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO
SU7-B

SHEET 366 OF 1241 SHEETS

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DATE	12/13/2022				JOB NUMBER		
PLOTTED BY	Fts				21C522		
DESIGNED BY	M. RAGUSE				CONTRACT NO.		LOCATION NO.
ENTERED BY	F. SOH				XL6115		
CHECKED BY	M. FELIBERTI						
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

JASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

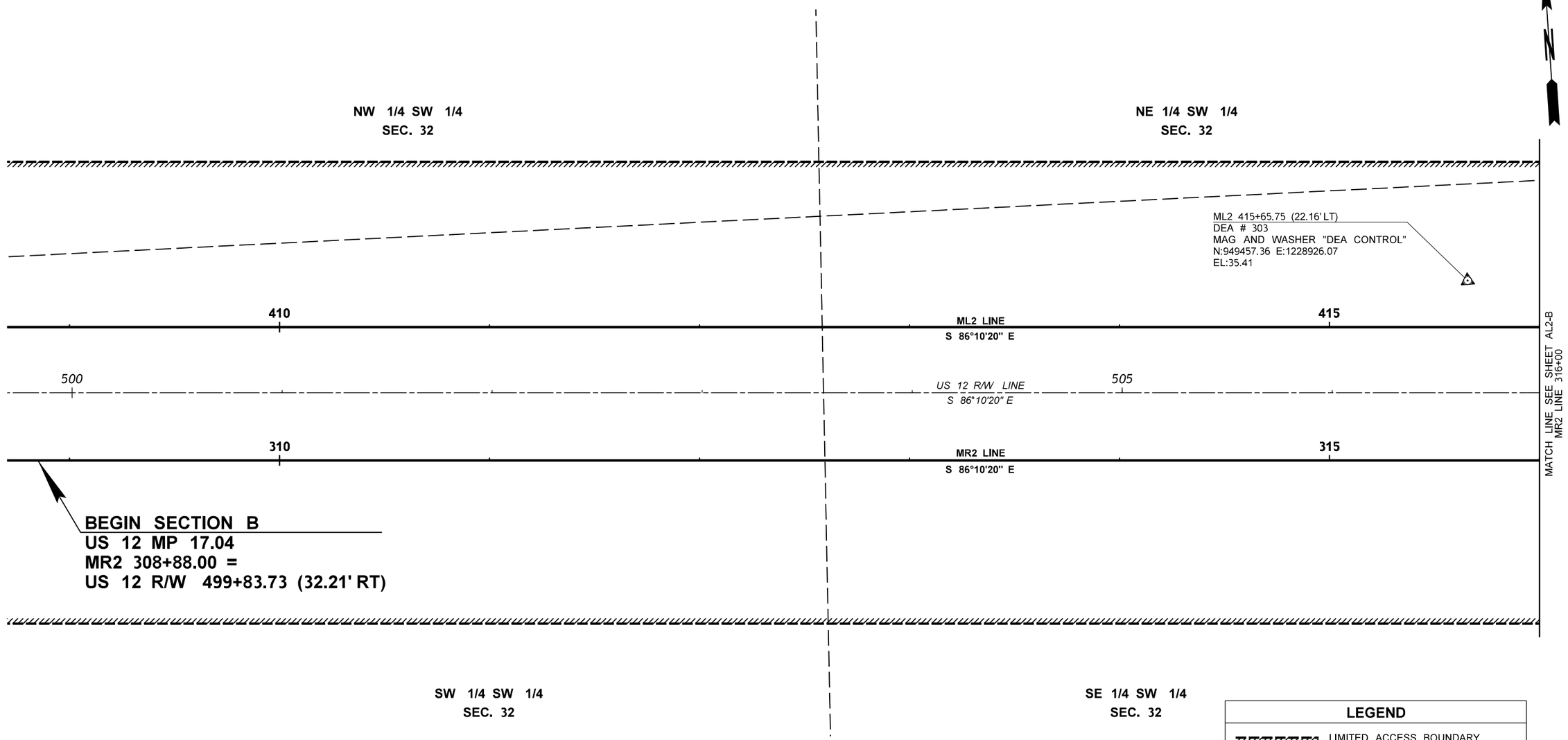
DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SU_Stage3B_007.dgn

T.18N. R.6W. W.M.



NOTES:

1. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.
2. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/11)
3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN GRID DIMENSIONS, MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.999941010.

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DATE	12/15/2022						
PLOTTED BY	Fts						
DESIGNED BY	H. EILERS						
ENTERED BY	H. EILERS						
CHECKED BY	M. FELIBERTI				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL1-B

SHEET 367 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_001.dgn

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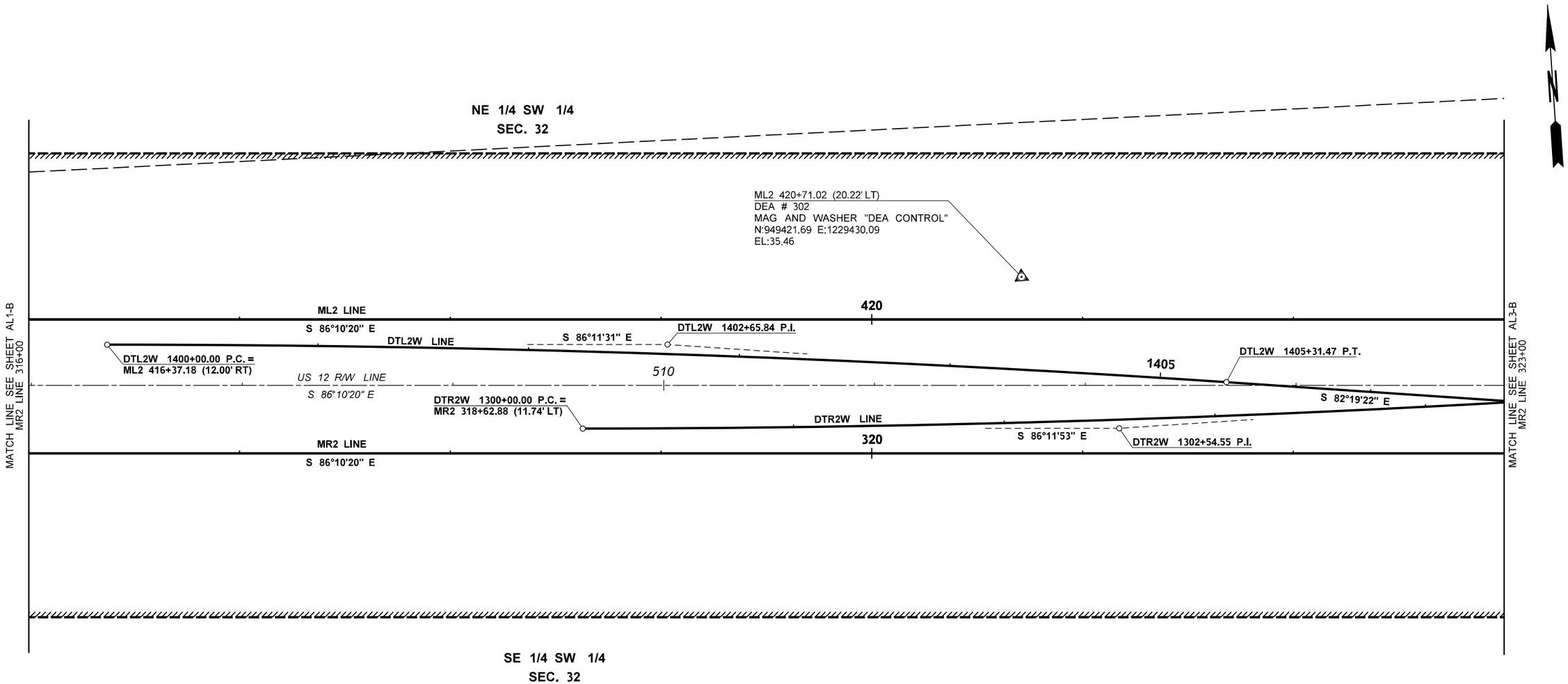

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CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
DTL2W 1402+65.84	949400.85	1229260.31	3°52'09" RT	7870.00'	265.84'	531.47'	2%
DTR2W 1302+54.55	949346.89	1229471.58	3°42'18" LT	7870.00'	254.55'	508.91'	3%

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_AL_002.dgn
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PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

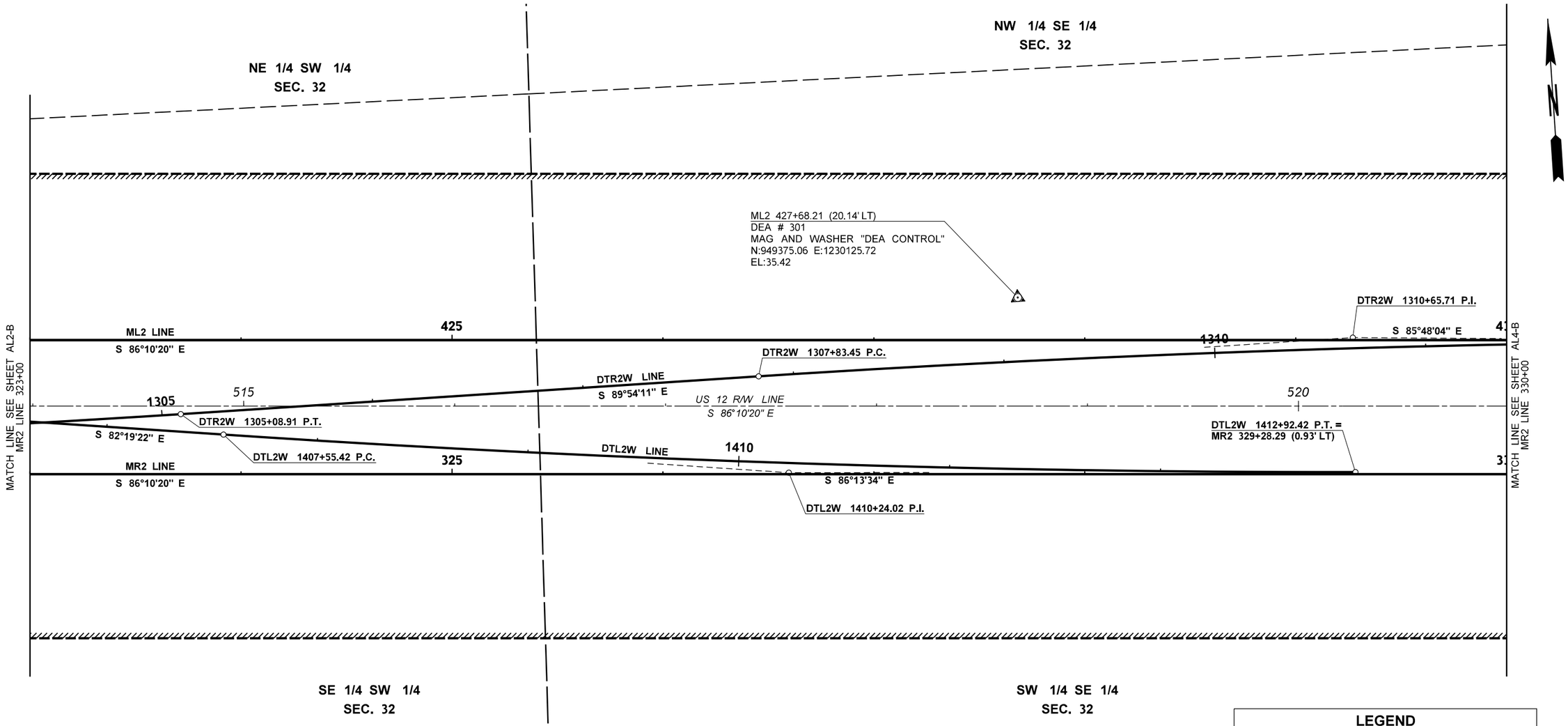
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL2-B

SHEET 368 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_002.dgn

T.18N. R.6W. W.M.



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CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
DTL2W 1410+24.02	949299.53	1230011.90	3°54'13" LT	7882.00'	268.60'	537.00'	2%
DTR2W 1310+65.71	949345.52	1230282.92	4°06'07" RT	7882.00'	282.26'	564.27'	3%

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED
TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_AL_003.dgn
TIME	11:47:00 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115
LOCATION NO.

MANUEL LOUIS FELIBERTI
STATE OF WASHINGTON
36346
REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

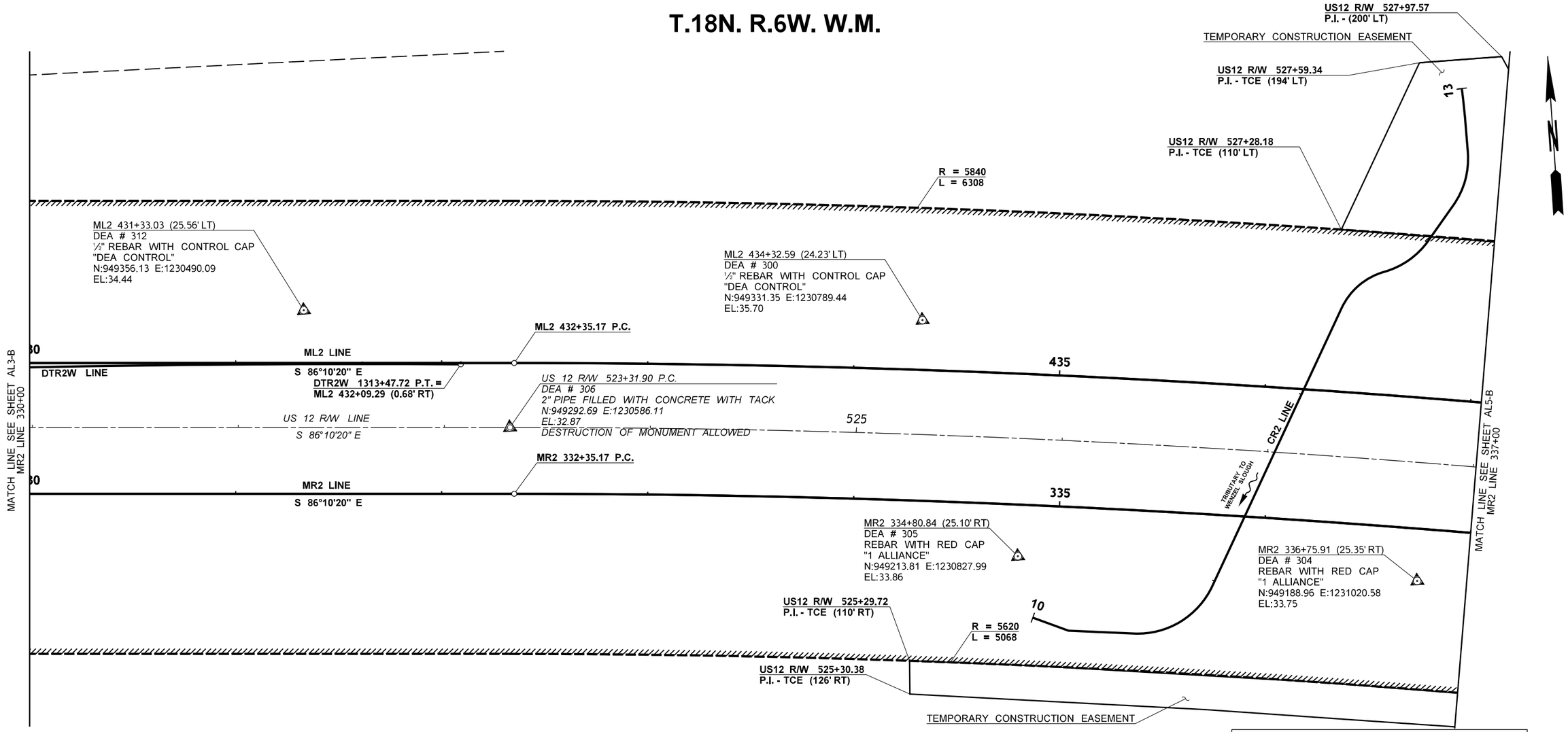
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL3-B

SHEET 369 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_003.dgn

T.18N. R.6W. W.M.



SW 1/4 SE 1/4
SEC. 32

NOTES:

1. PER RCW 58.09.130, ANY MONUMENT OR CORNER DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REPLACED AT NO COST TO THE CONTRACTING AGENCY.
2. THE BASIS OF BEARINGS AND DISTANCES ARE DETERMINED FROM WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE (NAD 83/11)
3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN GRID DIMENSIONS, MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.999941010.

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
CR2 10+77.09	949169.68	1230908.38	67°34'42" LT	40.00'	26.77'	47.18'	N/A
CR2 12+61.20	949336.66	1231000.02	49°14'22" RT	32.97'	15.11'	28.34'	N/A
CR2 12+88.22	949342.67	1231028.29	38°54'46" LT	39.02'	13.79'	26.50'	N/A
CR2 13+36.25	949380.78	1231059.24	39°57'44" LT	39.25'	14.27'	27.38'	N/A

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED
TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_AL_004.dgn
TIME	11:47:04 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115
LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

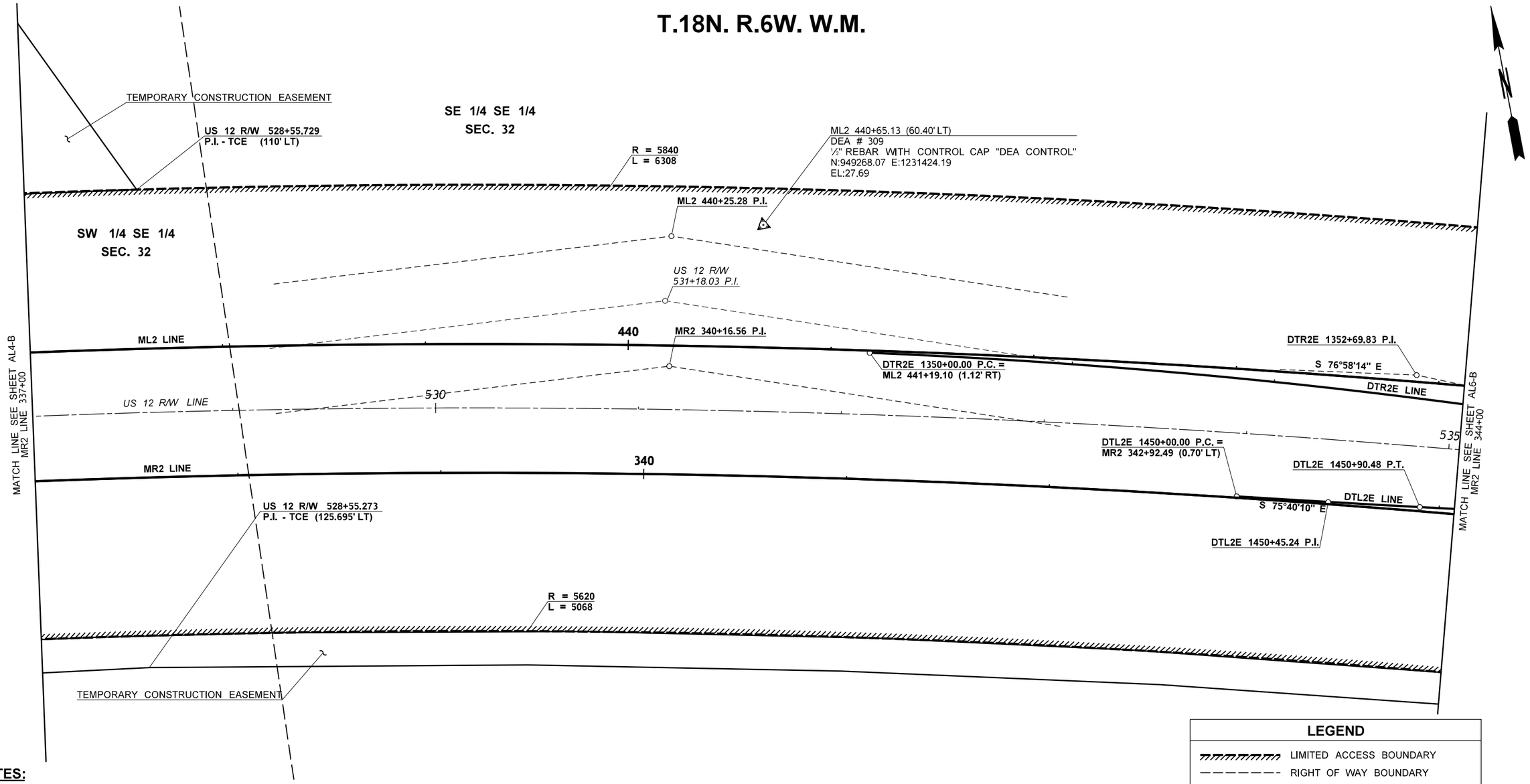
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL4-B

SHEET 370 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_004.dgn

T.18N. R.6W. W.M.



NOTES:

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3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN GRID DIMENSIONS, MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.999941010.

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
ML2 440+25.28	949271.05	1231378.63	15°37'30" LT	5758.58'	790.11'	1570.41'	4%
US 12 R/W 531+18.03	949240.24	1231370.58	15°37'30" LT	5729.58'	786.13'	1562.50'	N/A
MR2 340+16.56	949208.28	1231365.70	15°37'30" LT	5695.08'	781.39'	1553.09'	4%
DTR2E 1352+69.83	949135.54	1231726.91	9°36'14" RT	3212.00'	269.83'	538.40'	4%
DTL2E 1450+45.24	949082.09	1231672.44	0°34'32" LT	9008.00'	45.24'	90.48'	2%

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_AL_005.dgn
TIME	11:47:08 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522
CONTRACT NO. XL6115
LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

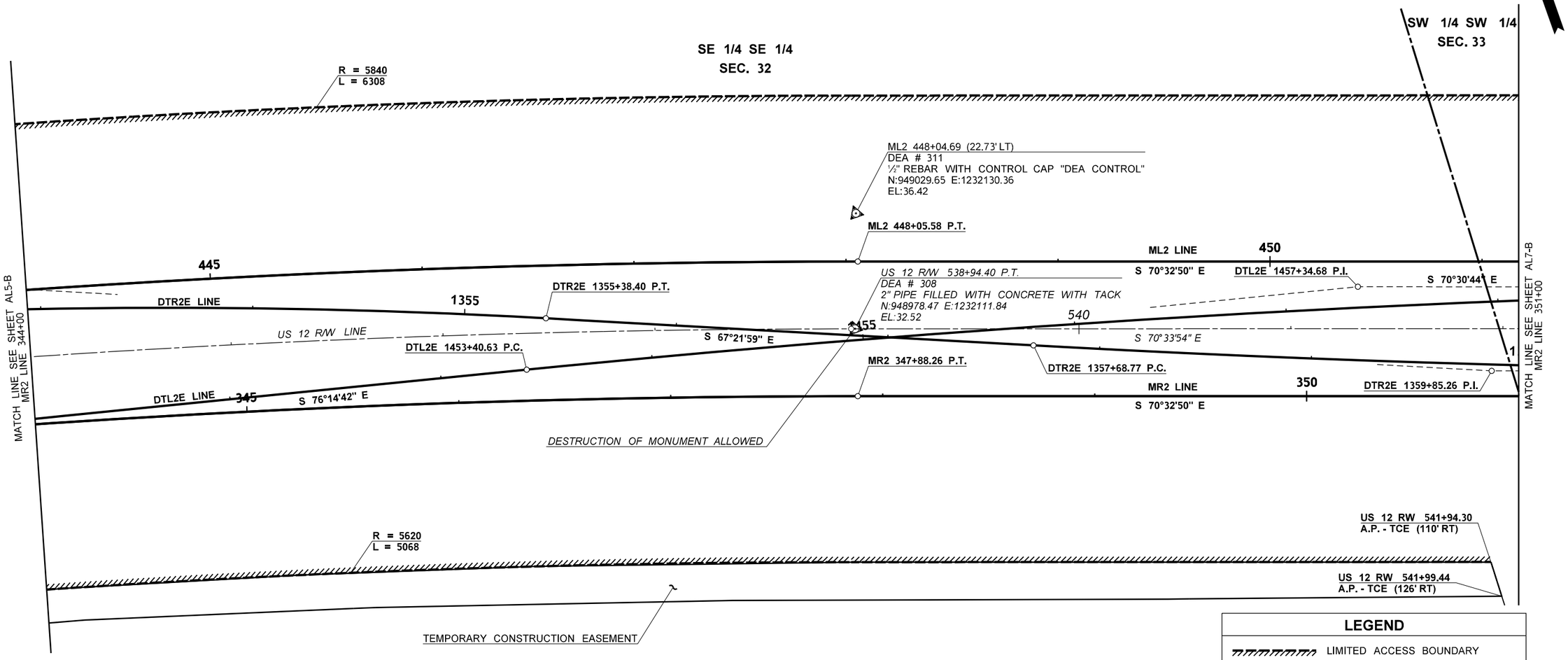
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL5-B

SHEET 371 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_005.dgn

T.18N. R.6W. W.M.



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CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
DTL2E 1457+34.68	948918.16	1232342.10	5°43'58" RT	7870.00'	394.05'	787.44'	2%
DTR2E 1359+85.26	948859.73	1232388.40	3°09'05" LT	7870.00'	216.49'	432.87'	3%

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_AL_006.dgn				
TIME	11:47:12 AM				
DATE	12/15/2022				
PLOTTED BY	Fts				
DESIGNED BY	H. EILERS				
ENTERED BY	H. EILERS				
CHECKED BY	M. FELIBERTI				
PROJ. ENGR.	B. ELLIOTT				
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY	

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL6-B

SHEET 372 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_006.dgn

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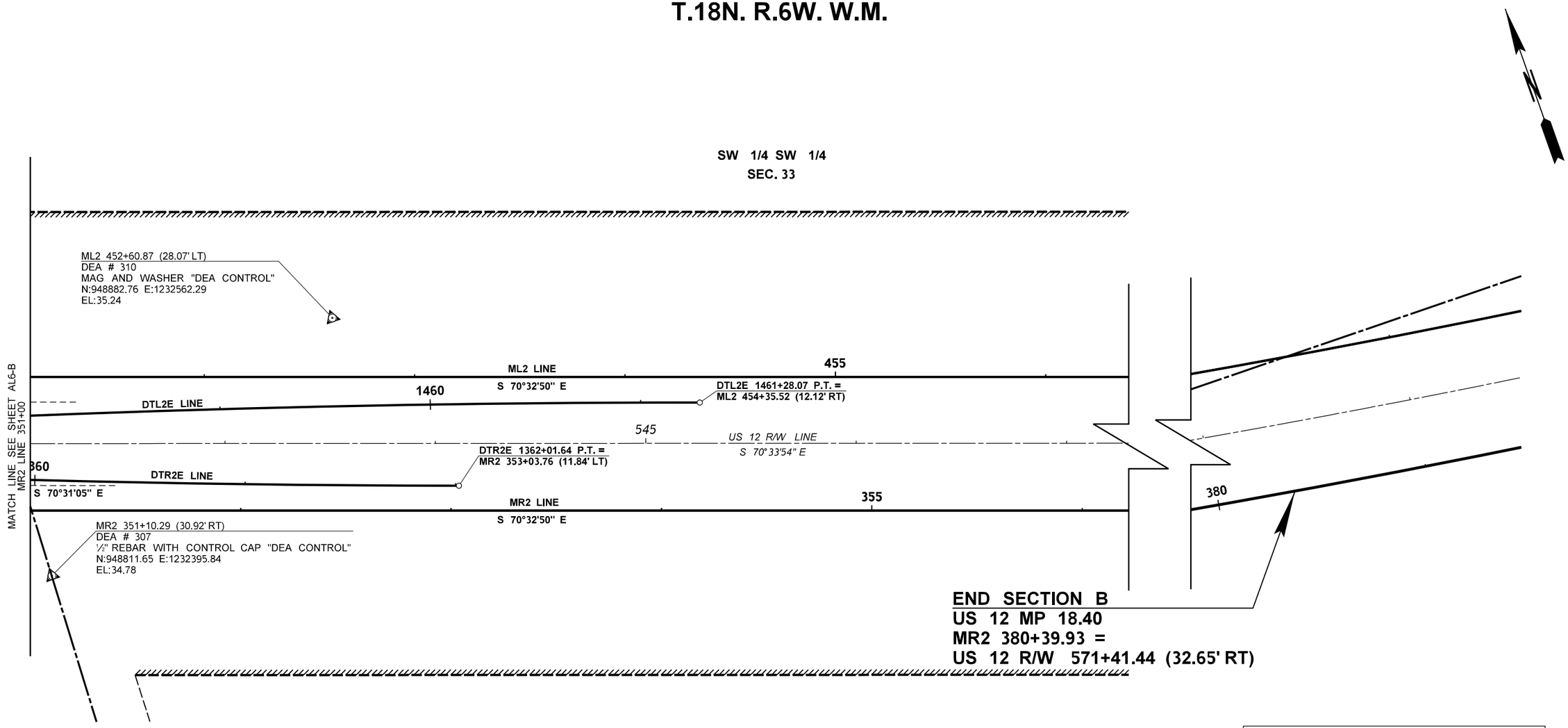

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3. THE DISTANCES SHOWN ARE GROUND DIMENSIONS, US SURVEY FEET. TO OBTAIN GRID DIMENSIONS, MULTIPLY THE GROUND DIMENSION BY THE COMBINED FACTOR OF 0.999941010.

LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- RIGHT OF WAY CENTERLINE
- SECTION LINE
- SIXTEENTH SECTION LINE
- TEMP CONSTRUCTION EASEMENT
- PRIMARY CONTROL POINT

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:47:16 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL7-B

SHEET 373 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_AL_007.dgn

QUANTITY TABULATION - SITE PREPARATION AND TESC

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢		REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	REMOVING PAINT LINE	REMOVING WIRE FENCE	WELL DECOMMISSIONING	INLET PROTECTION		SILT FENCE		HIGH VISIBILITY SILT FENCE		PLUGGING EXISTING PIPE	REMOVING CABLE BARRIER	PROTECT DRAINAGE STRUCTURE	SEE GENERAL NOTES
			L.F.	EACH	L.F.	L.F.	EACH	EACH		L.F.		L.F.		EACH	L.F.	EACH	
SP1-B-1	MR2 308+88.0 (11.8 LT) TO 353+41.51 (11.6 LT)				4460												
SP1-B-2	MR2 312+88.03 (32.12 LT)							1									3
SP1-B-3	MR2 315+73.24 (15.88 LT) TO 315+73.21 (48.25 LT)											40					4
SP1-B-4	MR2 308+88.0 TO 353+41.51				4450												
SP1-B-5	MR2 308+88.0 (12.6 RT) TO 353+41.51 (12.5 RT)				4450												
SP1-B-6	ML2 415+89.57 (12.0 RT) TO 460+48.99 (12.0 RT)				4460												
SP1-B-7	ML2 415+89.57 (11.8 LT) TO 460+48.99 (24.6 LT)				4460												
SP1-B-8	ML2 415+89.57 TO 480+49.29				6460												
SP2-B-1	ML2 415+85.70 (24.0 RT) TO 452+12.52 (23.8 RT)														3600		6
SP2-B-2	ML2 421+92.7 (23.8 LT) TO 422+49.0 (78.4 LT)											80					4
SP3-B-1	ML2 423+54.22 (78.3 LT) TO 426+42.71 (78.3 LT)					290										1	3
SP3-B-2	ML2 426+55.37 (79.24 LT) TO 436+74.58 (155.57 LT)											1140					4
SP3-B-3	MR2 327+48.66 (31.95 RT) TO 350+87.73 (32.86 RT)											2410					4
SP3-B-4	MR2 328+68.65 (22 RT) TO 337+11.00 (22.5 RT)		840	1													
SP3-B-5	ML2 427+91.00 (22 LT) TO 441+27.31 (26.8 LT)		1333	2													
SP3-B-6	MR2 323+01.53 (22.32 LT) TO 324+01.04 (22.30 LT)		100														
SP3-B-7	MR2 323+36.33 (16.01 LT) TO 323+66.96 (15.98 LT)											60					2
SP3-B-8	MR2 323+28.66 (21.8 RT) TO 323+72.66 (21.8 RT)											130					4
SP4-B-1	MR2 332+00.2 (45.5 LT)													1			1
SP4-B-2	MR2 332+33.3 (107.3 LT & 45.2 RT)													1			1
SP4-B-3	MR2 336+77.00 (106 LT) TO 336+89.00 (38.4 RT)													1			1
SP4-B-4	MR2 334+89.25 (78 RT) TO 335+97.44 (78 RT)					106											
SP4-B-5	ML2 436+78.4 (145.2 LT) TO 436+90.2 (146.2 LT)											240					4
SP4-B-6	MR2 331+92.75 (23.1 LT) TO 332+07.3 (22.8 LT)									50							7
SP4-B-7	MR2 337+88.79 (105.8 LT TO 38.4 RT)													1			1
SP4-B-8	MR2 334+70.7 (48.4 RT) TO MR2 337+04.18 (50.0 RT)											250					4
SP4-B-9	ML2 435+99.24 (15.5 LT)						1										
SP4-B-10	MR2 336+46.93 (26.4 LT)						1										
SP4-B-11	MR2 335+96.84 (16.6 RT)						1										
	SHEET TOTAL		2273	3	28740	396	3	1		50		4350		4	3600	1	

GENERAL NOTES:

1. SEE STANDARD PLAN I-30.20, EROSION CONTROL AT CULVERT ENDS
2. SEE STANDARD PLAN I-40.10, TEMPORARY SILT FENCE FOR INLET PROTECTION IN UNPAVED AREAS
3. SEE STANDARD PLAN I-40.20, STORM DRAIN INLET PROTECTION
4. SEE STANDARD PLAN I-30.17, HIGH VISIBILITY SILT FENCE
5. SEE STANDARD PLAN I-50.20-01, CHECK DAMS ON CHANNELS
6. SEE SPECIAL PROVISIONS - REMOVING CABLE BARRIER
7. SEE STANDARD PLAN I-30.15, SILT FENCE

DESIGNED BY	H. EILERS					
ENTERED BY	H. EILERS					
CHECKED BY	M. FELIBERTI					
PROJ. ENGR.	B. ELLIOTT					
REGION ADM.	S. ROARK					
		DATE	DATE	REVISION	BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - SITE PREPARATION AND TESC

QTSP1-B

SHEET 374 OF 1241 SHEETS

QUANTITY TABULATION - SITE PREPARATION AND TESC

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢		REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	REMOVING PAINT LINE	REMOVING WIRE FENCE	WELL DECOMMISSIONING	INLET PROTECTION		SILT FENCE		HIGH VISIBILITY SILT FENCE		PLUGGING EXISTING PIPE	REMOVING CABLE BARRIER	PROTECT DRAINAGE STRUCTURE	SEE GENERAL NOTES
			L.F.	EACH	L.F.	L.F.	EACH	EACH		L.F.	L.F.	L.F.		EACH	L.F.	EACH	
SP5-B-1	MR2 341+45.0 (37.9 RT)													1			1
SP5-B-2	MR2 341+35.5 (26.1 LT) TO 341+49.8 (25.8 LT)									50							7
SP5-B-3	ML2 436+96.1 (156.9 LT) TO ML2 444+32.7 (27.8 LT)											880					4
SP5-B-4	ML2 439+55.1 (36.0 LT TO 41.0 LT)													1			1
SP5-B-5	MR2 339+22.33 (58.5 RT) TO 339+31.8 (62.3 RT)											70					1, 4
SP5-B-6	MR2 341+36.5 (51.9 RT) TO 341+50.8 (51.1 RT)											40					4
SP5-B-7	MR2 343+88.3 (22.9 RT) TO 344+01.7 (22.9 RT)											40					
SP6-B-1	MR2 348+17.5 (26.0 LT)							1									3
SP7-B-1	MR2 354+30.8 (15.8 LT) TO 354+30.9 (47.6 LT)											40					4
SP7-B-2	ML2 452+09.7 (12.5 LT) TO 460+48.99 (12.5 LT)				840												
	SHEET TOTAL				840			1		50		1070		2			
	SECTION B TOTAL		2273	3	29580	396	3	2		100		5420		6	3600	1	

GENERAL NOTES:

1. SEE STANDARD PLAN I-30.20, EROSION CONTROL AT CULVERT ENDS

2. SEE STANDARD PLAN I-40.10, TEMPORARY SILT FENCE FOR INLET PROTECTION IN UNPAVED AREAS

3. SEE STANDARD PLAN I-40.20, STORM DRAIN INLET PROTECTION

4. SEE STANDARD PLAN I-30.17, HIGH VISIBILITY SILT FENCE

5. SEE STANDARD PLAN I-50.20-01, CHECK DAMS ON CHANNELS

6. SEE SPECIAL PROVISIONS - REMOVING CABLE BARRIER

7. SEE STANDARD PLAN I-30.15, SILT FENCE

DESIGNED BY	H. EILERS				
ENTERED BY	H. EILERS				
CHECKED BY	M. FELIBERTI				
PROJ. ENGR.	B. ELLIOTT				
REGION ADM.	S. ROARK				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

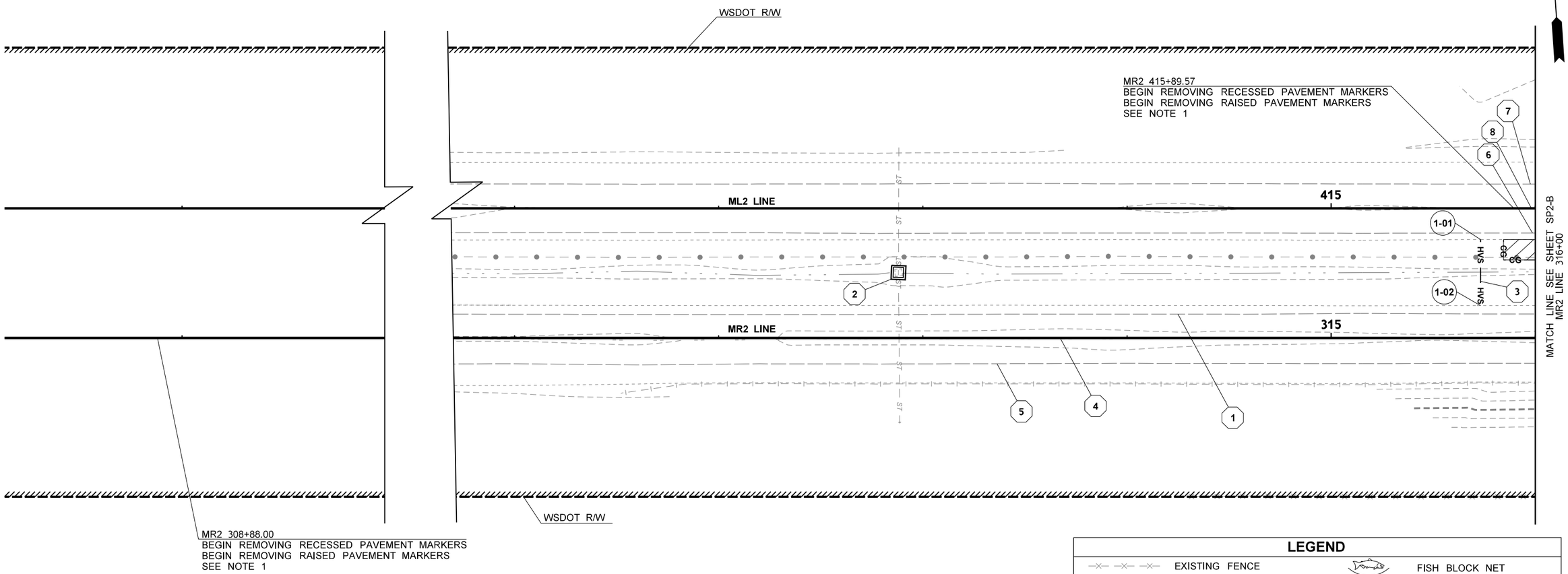
Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - SITE PREPARATION AND TESC

QTSP2-B

SHEET 375 OF 1241 SHEETS



HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-01	MR2 315+73.21	(48.25' LT.)
1-02	MR2 315+73.24	(15.88' LT.)

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—I— —I— —I—	EXISTING GUARDRAIL		ISOLATION DAM
— — — — —	EXISTING EDGE LINE		EXISTING SIGNS
- ST — — ST -	EXISTING CULVERT		TREE
— - - - —	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE		QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE		QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER		FENCE
- BCL — — BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— — WB — —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
— SAW —	SAWCUT		

NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.
4. SEE AL SHEETS FOR PROTECTION REQUIREMENTS OF EXISTING MONUMENT

TESC NOTES:

1. LIMIT CLEARING AND GRUBBING TO THE AREA SHOWN.
2. MAINTAIN TESC BMPS UNTIL PERMANENT STABILIZATION IS IN PLACE.
3. CONSTRUCTION ENTRANCE LOCATIONS NOT SHOWN. FINAL LOCATION SHALL BE DETERMINED DURING CONSTRUCTION.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_001.dgn
TIME	10:45:36 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

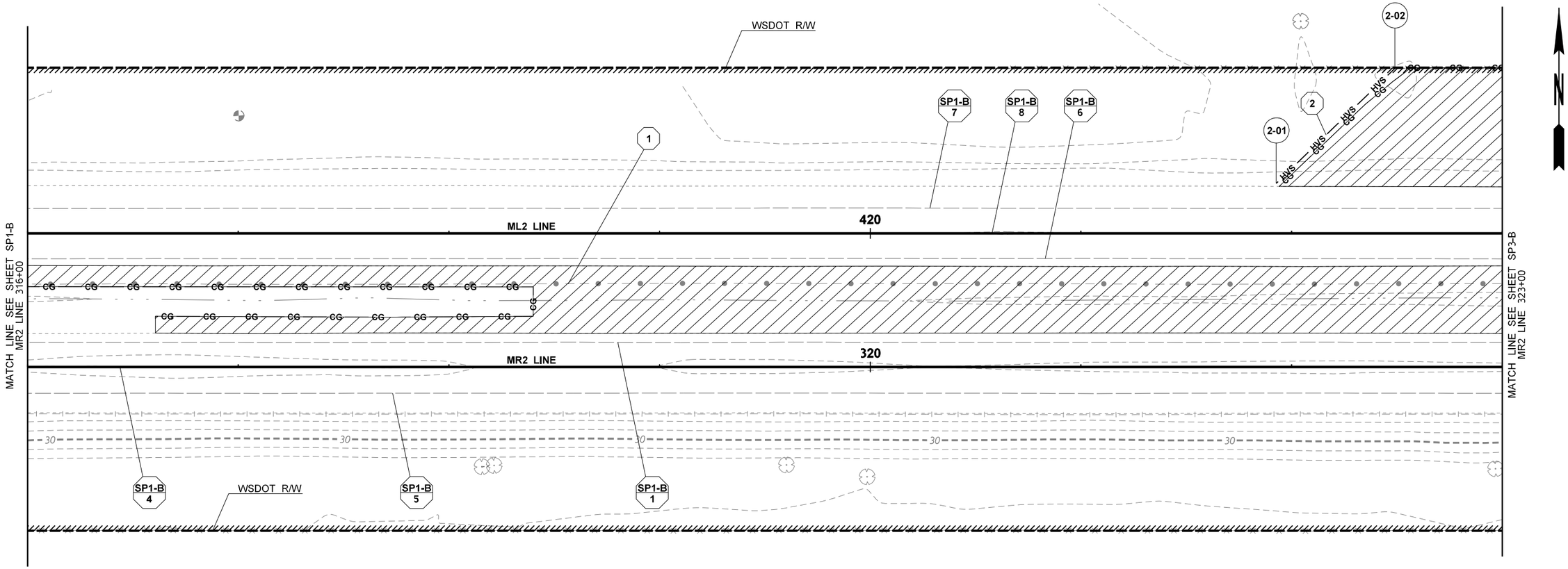
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP1-B

SHEET 376 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_001.dgn



HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET
2-01	ML2 421+92.69	(23.76' LT.)
2-02	ML2 422+49.02	(78.40' LT.)

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—I— —I— —I—	EXISTING GUARDRAIL		ISOLATION DAM
	EXISTING EDGE LINE		EXISTING SIGNS
- ST — — ST -	EXISTING CULVERT		TREE
	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE	??? ??	QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER	#-#	FENCE
- BCL — — BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— — WB — —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
— SAW —	SAWCUT		

NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.
4. SEE AL SHEETS FOR PROTECTION REQUIREMENTS OF EXISTING MONUMENT.

TESC NOTES:

1. LIMIT CLEARING AND GRUBBING TO THE AREA SHOWN.
2. MAINTAIN TESC BMPS UNTIL PERMANENT STABILIZATION IS IN PLACE.
3. CONSTRUCTION ENTRANCE LOCATIONS NOT SHOWN. FINAL LOCATION SHALL BE DETERMINED DURING CONSTRUCTION.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO **SP2-B**

SHEET 377 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_002.dgn				REGION NO. 10	STATE WASH
TIME	10:45:40 AM				JOB NUMBER 21C522	FED.AID PROJ.NO. ARPA001
DATE	12/13/2022					
PLOTTED BY	Fts					
DESIGNED BY	K. EMERY					
ENTERED BY	D. FRANKUM					
CHECKED BY	M. FELIBERTI				CONTRACT NO. XL6115	LOCATION NO.
PROJ. ENGR.	B. ELLIOTT					
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY		

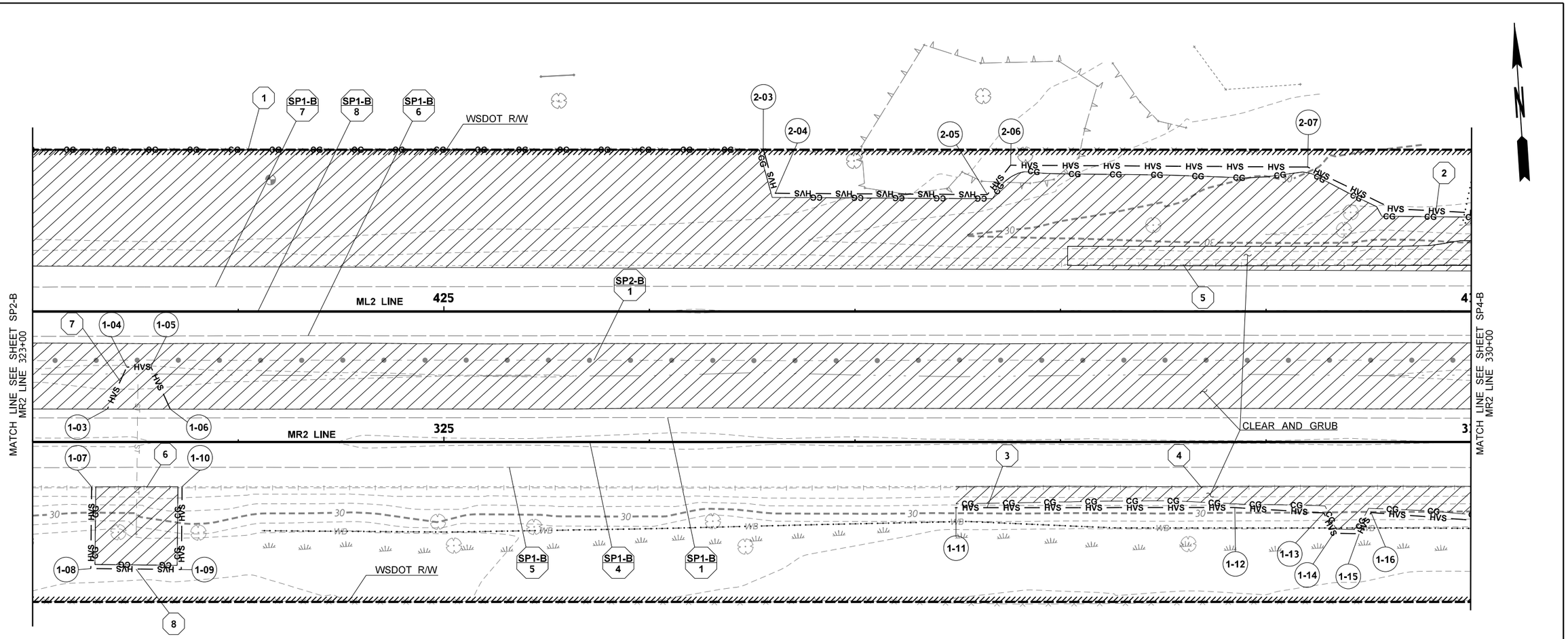
MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36346 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_002.dgn



NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
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HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET	(1-#)	STATION	OFFSET	(2-#)	STATION	OFFSET
1-03	MR2 323+36.33	(16.01' LT.)	1-10	MR2 323+72.66	(21.87' RT.)	2-03	ML2 426+55.37	(79.24' LT.)
1-04	MR2 323+45.72	(36.43' LT.)	1-11	MR2 327+48.66	(31.95' RT.)	2-04	ML2 426+61.29	(57.47' LT.)
1-05	MR2 323+57.52	(36.61' LT.)	1-12	MR2 328+84.29	(31.92' RT.)	2-05	ML2 427+64.42	(56.86' LT.)
1-06	MR2 323+66.96	(15.98' LT.)	1-13	MR2 329+28.11	(34.52' RT.)	2-06	ML2 427+75.77	(71.16' LT.)
1-07	MR2 323+28.66	(21.79' RT.)	1-14	MR2 329+32.92	(44.40' RT.)	2-07	ML2 429+20.22	(70.25' LT.)
1-08	MR2 323+28.66	(61.61' RT.)	1-15	MR2 329+45.30	(44.67' RT.)			
1-09	MR2 323+72.27	(62.04' RT.)	1-16	MR2 329+51.08	(34.31' RT.)			

LEGEND

—X—	EXISTING FENCE		FISH BLOCK NET
—I—	EXISTING GUARDRAIL		ISOLATION DAM
	EXISTING EDGE LINE		EXISTING SIGNS
- ST — ST -	EXISTING CULVERT		TREE
	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE	??? ??	QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER		FENCE
- BCL — BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— WB —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
— SAW —	SAWCUT		

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_003.dgn
TIME	10:45:43 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP3-B

SHEET 378 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_003.dgn

HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET	2-#	STATION	OFFSET	2-#	STATION	OFFSET	2-#	STATION	OFFSET
2-08	ML2 430+03.99	(47.84' LT.)	2-17	ML2 434+89.51	(43.57' LT.)	2-26	ML2 436+31.73	(78.58' LT.)	2-35	ML2 436+98.01	(47.68' LT.)
2-09	ML2 430+03.99	(36.64' LT.)	2-18	ML2 434+92.87	(47.30' LT.)	2-27	ML2 436+51.21	(102.65' LT.)	2-36	ML2 436+95.82	(40.78' LT.)
2-10	ML2 431+19.58	(41.77' LT.)	2-19	ML2 435+34.81	(47.85' LT.)	2-28	ML2 436+64.12	(102.69' LT.)	2-37	ML2 436+77.75	(41.14' LT.)
2-11	ML2 431+29.99	(45.70' LT.)	2-20	ML2 435+37.18	(42.87' LT.)	2-29	ML2 436+62.67	(132.44' LT.)	2-38	ML2 436+73.46	(49.59' LT.)
2-12	ML2 431+76.12	(44.83' LT.)	2-21	ML2 435+83.96	(41.75' LT.)	2-30	ML2 436+70.90	(147.54' LT.)	2-39	ML2 436+68.28	(63.49' LT.)
2-13	ML2 432+10.96	(45.95' LT.)	2-22	ML2 435+92.40	(47.83' LT.)	2-31	ML2 436+90.20	(146.19' LT.)	2-40	ML2 436+86.35	(114.61' LT.)
2-14	ML2 432+50.18	(42.78' LT.)	2-23	ML2 436+07.75	(48.00' LT.)	2-32	ML2 436+92.54	(138.82' LT.)	2-41	ML2 436+78.43	(145.19' LT.)
2-15	ML2 433+74.39	(44.90' LT.)	2-24	ML2 436+11.73	(69.60' LT.)	2-33	ML2 437+04.61	(88.12' LT.)	2-42	ML2 436+98.47	(151.81' LT.)
2-16	ML2 433+90.78	(44.92' LT.)	2-25	ML2 436+23.93	(78.58' LT.)	2-34	ML2 437+01.58	(64.15' LT.)	2-43	ML2 436+96.11	(137.34' LT.)

TESC NOTES:

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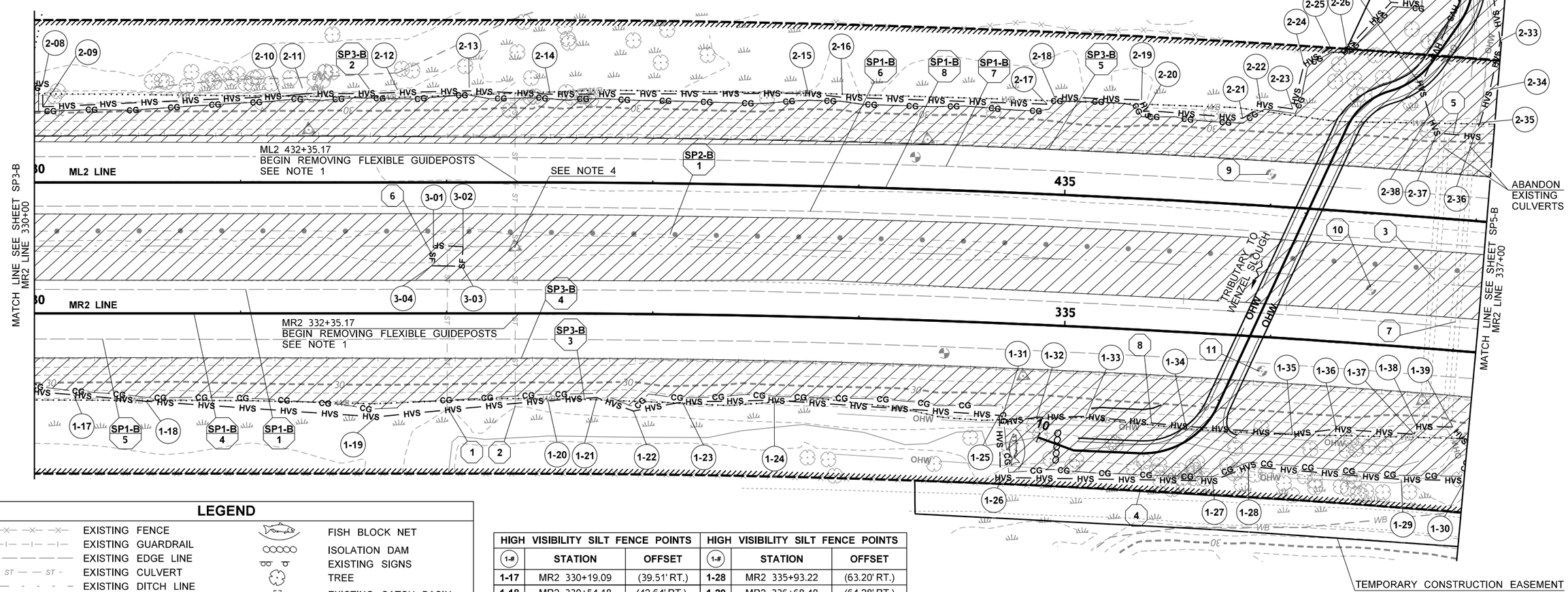
3. CONSTRUCTION ENTRANCE LOCATIONS NOT SHOWN. FINAL LOCATION SHALL BE DETERMINED DURING CONSTRUCTION.

NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.
4. SEE AL SHEETS FOR PROTECTION REQUIREMENTS OF EXISTING MONUMENT.



LEGEND

—X—	EXISTING FENCE		FISH BLOCK NET
—I—	EXISTING GUARDRAIL		ISOLATION DAM
	EXISTING EDGE LINE		EXISTING SIGNS
ST	EXISTING CULVERT		TREE
	EXISTING DITCH LINE		EXISTING CATCH BASIN
	EXISTING CABLE BARRIER		INLET PROTECTION
HVS	HIGH VISIBILITY SILT FENCE	???	QUANTITY TAB NOTE FLAG CONTINUATION
HVF	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
SF	SILT FENCE		BORE HOLE
TC	TURBIDITY CURTAIN		MONITOR WELL
OHW	ORDINARY HIGH WATER		FENCE
BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
WB	WETLAND BOUNDARY		
CG	CLEAR AND GRUB		
SAW	SAWCUT		

HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS		
1-#	STATION	OFFSET	1-#	STATION	OFFSET
1-17	MR2 330+19.09	(39.51' RT.)	1-28	MR2 335+93.22	(63.20' RT.)
1-18	MR2 330+54.18	(42.64' RT.)	1-29	MR2 336+68.48	(64.28' RT.)
1-19	MR2 331+65.78	(50.25' RT.)	1-30	MR2 336+99.19	(63.66' RT.)
1-20	MR2 332+49.16	(42.15' RT.)	1-31	MR2 334+70.71	(48.42' RT.)
1-21	MR2 332+73.09	(40.76' RT.)	1-32	MR2 334+88.29	(44.87' RT.)
1-22	MR2 332+91.11	(47.13' RT.)	1-33	MR2 335+12.31	(43.29' RT.)
1-23	MR2 333+14.98	(42.44' RT.)	1-34	MR2 335+61.40	(45.58' RT.)
1-24	MR2 333+59.88	(40.80' RT.)	1-35	MR2 336+13.70	(46.29' RT.)
1-25	MR2 334+70.09	(44.69' RT.)	1-36	MR2 336+34.99	(42.19' RT.)
1-26	MR2 334+71.82	(74.80' RT.)	1-37	MR2 336+73.06	(41.95' RT.)
1-27	MR2 335+76.10	(71.21' RT.)	1-38	MR2 336+74.08	(38.16' RT.)
			1-39	MR2 336+91.75	(36.98' RT.)

SILT FENCE POINT TABLE		
3-#	STATION	OFFSET
3-01	MR2 331+93.59	(32.90' LT.)
3-02	MR2 332+07.97	(32.38' LT.)
3-03	MR2 332+07.32	(22.78' LT.)
3-04	MR2 331+92.75	(23.07' LT.)

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_004.dgn
TIME	10:45:53 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO SP4-B

SHEET 379 OF 1241 SHEETS

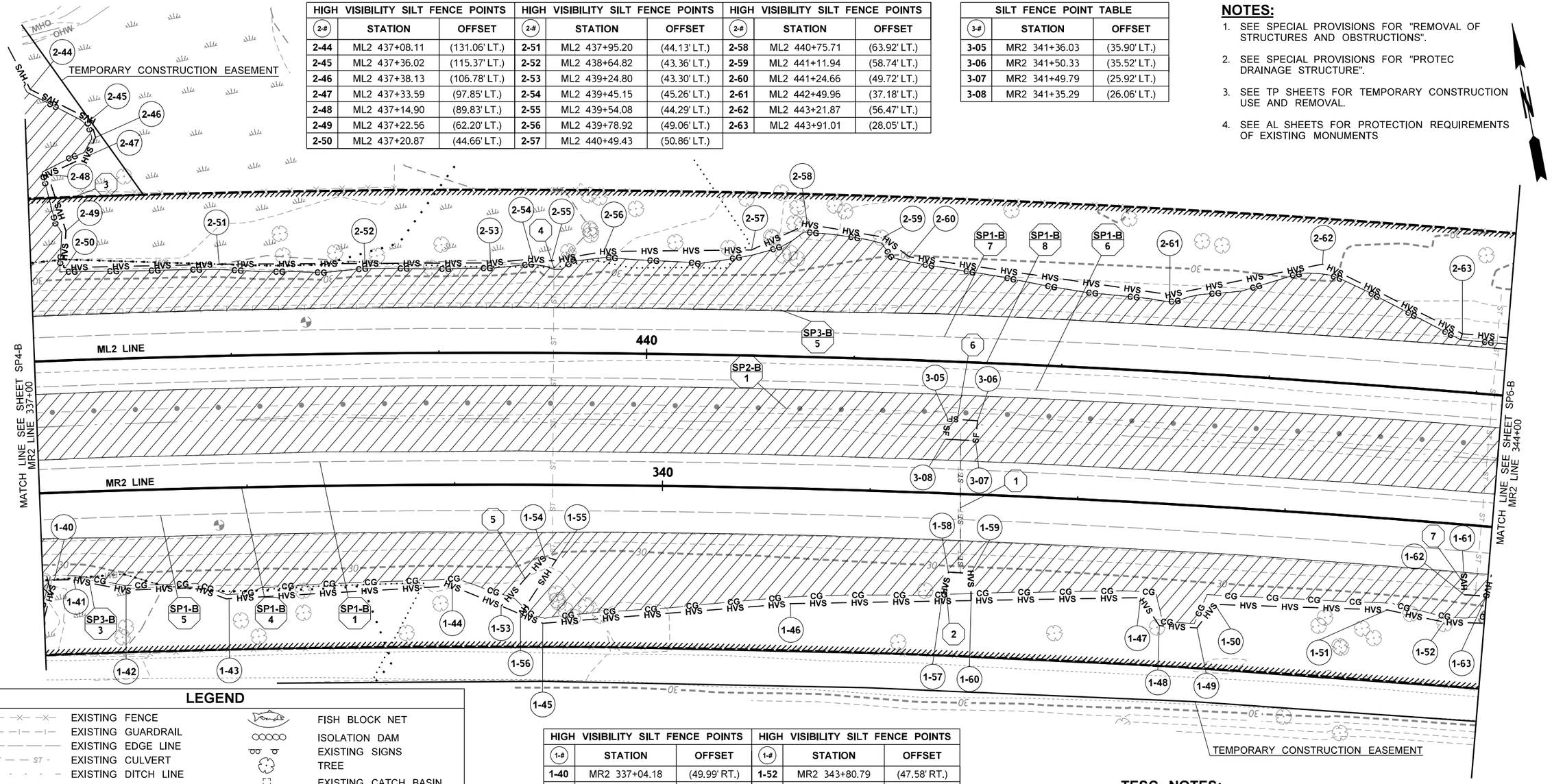
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_004.dgn

HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET	2-#	STATION	OFFSET	2-#	STATION	OFFSET
2-44	ML2 437+08.11	(131.06' LT.)	2-51	ML2 437+95.20	(44.13' LT.)	2-58	ML2 440+75.71	(63.92' LT.)
2-45	ML2 437+36.02	(115.37' LT.)	2-52	ML2 438+64.82	(43.36' LT.)	2-59	ML2 441+11.94	(58.74' LT.)
2-46	ML2 437+38.13	(106.78' LT.)	2-53	ML2 439+24.80	(43.30' LT.)	2-60	ML2 441+24.66	(49.72' LT.)
2-47	ML2 437+33.59	(97.85' LT.)	2-54	ML2 439+45.15	(45.26' LT.)	2-61	ML2 442+49.96	(37.18' LT.)
2-48	ML2 437+14.90	(89.83' LT.)	2-55	ML2 439+54.08	(44.29' LT.)	2-62	ML2 443+21.87	(56.47' LT.)
2-49	ML2 437+22.56	(62.20' LT.)	2-56	ML2 439+78.92	(49.06' LT.)	2-63	ML2 443+91.01	(28.05' LT.)
2-50	ML2 437+20.87	(44.66' LT.)	2-57	ML2 440+49.43	(50.86' LT.)			

SILT FENCE POINT TABLE		
3-#	STATION	OFFSET
3-05	MR2 341+36.03	(35.90' LT.)
3-06	MR2 341+50.33	(35.52' LT.)
3-07	MR2 341+49.79	(25.92' LT.)
3-08	MR2 341+35.29	(26.06' LT.)

NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTEC DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.
4. SEE AL SHEETS FOR PROTECTION REQUIREMENTS OF EXISTING MONUMENTS



LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—I— —I— —I—	EXISTING GUARDRAIL		ISOLATION DAM
	EXISTING EDGE LINE		EXISTING SIGNS
- ST — — ST -	EXISTING CULVERT		TREE
	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE	??? ??	QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER		FENCE
- BCL — - BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— — WB — —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
SAW	SAWCUT		

HIGH VISIBILITY SILT FENCE POINTS			HIGH VISIBILITY SILT FENCE POINTS		
1-#	STATION	OFFSET	1-#	STATION	OFFSET
1-40	MR2 337+04.18	(49.99' RT.)	1-52	MR2 343+80.79	(47.58' RT.)
1-41	MR2 337+14.97	(42.16' RT.)	1-53	MR2 339+22.33	(58.46' RT.)
1-42	MR2 337+40.26	(48.08' RT.)	1-54	MR2 339+43.52	(34.55' RT)
1-43	MR2 337+90.15	(53.69' RT.)	1-55	MR2 339+49.03	(36.24' RT.)
1-44	MR2 338+98.61	(48.74' RT.)	1-56	MR2 339+31.80	(62.31' RT.)
1-45	MR2 339+42.69	(66.70' RT.)	1-57	MR2 341+36.46	(51.91' RT.)
1-46	MR2 340+63.09	(55.46' RT.)	1-58	MR2 341+39.29	(37.83' RT.)
1-47	MR2 342+32.93	(45.79' RT.)	1-59	MR2 341+50.10	(38.10' RT.)
1-48	MR2 342+42.76	(58.72' RT.)	1-60	MR2 341+50.78	(51.10' RT.)
1-49	MR2 342+61.08	(58.77' RT.)	1-61	MR2 343+88.31	(22.87' RT.)
1-50	MR2 342+69.09	(46.95' RT.)	1-62	MR2 343+89.32	(33.62' RT.)
1-51	MR2 343+52.76	(43.89' RT.)	1-63	MR2 344+00.13	(33.42' RT.)

TESC NOTES:

1. LIMIT CLEARING AND GRUBBING TO THE AREA SHOWN.
2. MAINTAIN TESC BMPS UNTIL PERMANENT STABILIZATION IS IN PLACE.
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0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO SP5-B

SHEET 380 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_005.dgn
TIME	10:46:02 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

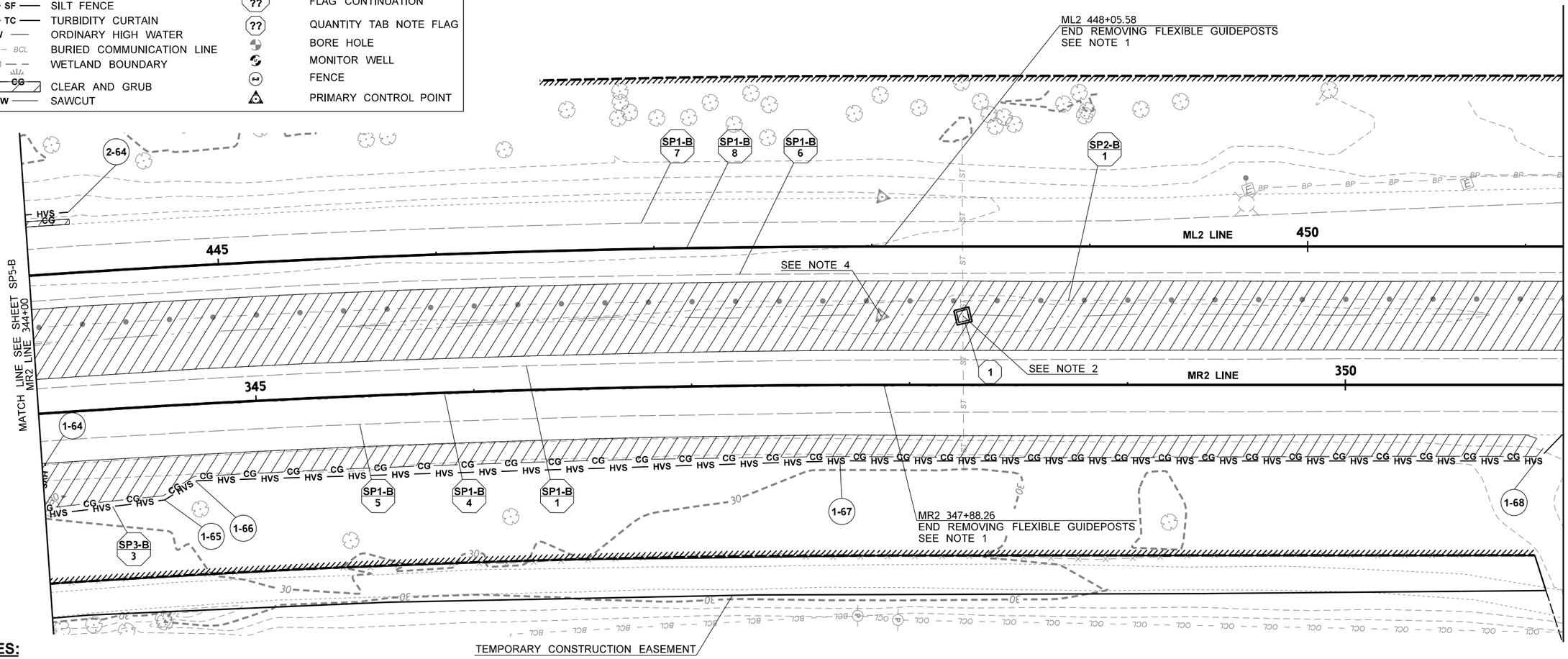
DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_005.dgn

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—I— —I— —I—	EXISTING GUARDRAIL		ISOLATION DAM
	EXISTING EDGE LINE		EXISTING SIGNS
- ST — — ST -	EXISTING CULVERT		TREE
	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE	??? ??	QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER		FENCE
- BCL — — BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— WB — —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
SAW	SAWCUT		

HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET
2-64	ML2 444+32.66	(27.84' LT.)



NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
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HIGH VISIBILITY SILT FENCE POINTS		
1-#	STATION	OFFSET
1-64	MR2 344+01.65	(22.91' RT.)
1-65	MR2 344+55.43	(43.12' RT.)
1-66	MR2 344+70.11	(35.16' RT.)
1-67	MR2 347+67.92	(34.78' RT.)
1-68	MR2 350+87.72	(34.86' RT.)

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_006.dgn
TIME	11:07:53 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36346 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO SP6-B
SHEET 381 OF 1241 SHEETS

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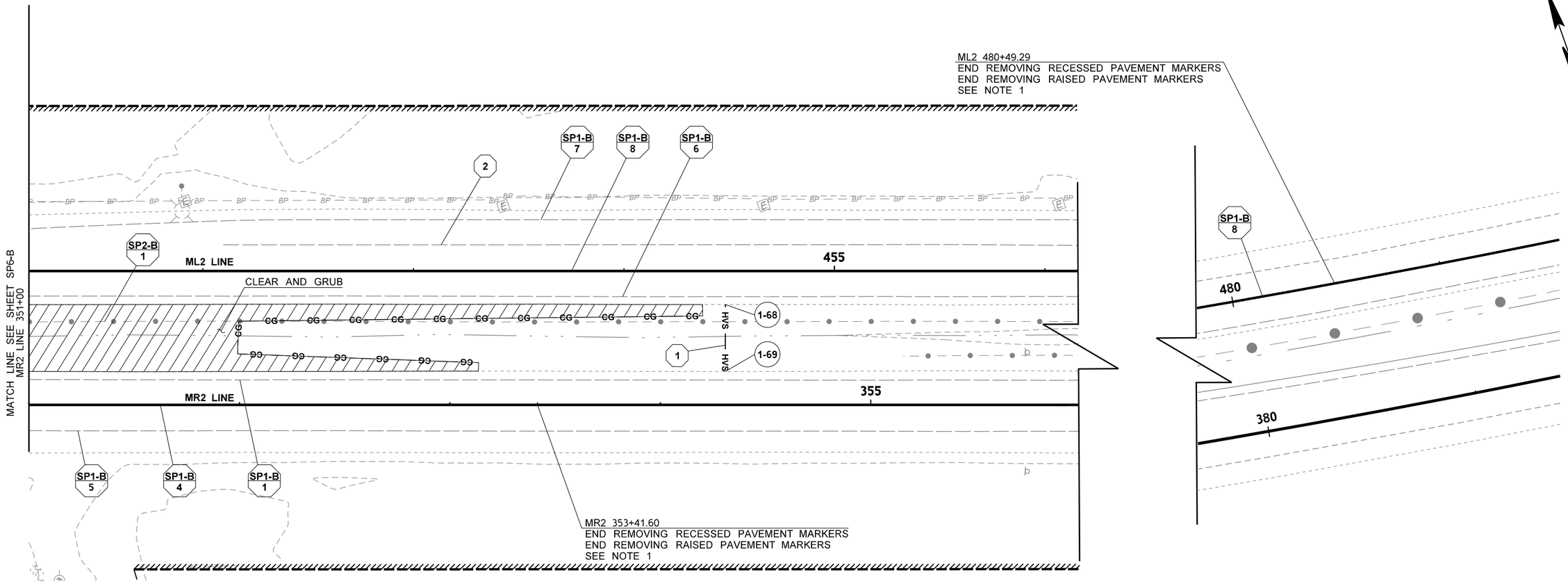


NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.
4. SEE AL SHEETS FOR PROTECTION REQUIREMENTS OF EXISTING MONUMENTS.

TESC NOTES:

1. LIMIT CLEARING AND GRUBBING TO THE AREA SHOWN.
2. MAINTAIN TESC BMPS UNTIL PERMANENT STABILIZATION IS IN PLACE.
3. CONSTRUCTION ENTRANCE LOCATIONS NOT SHOWN. FINAL LOCATION SHALL BE DETERMINED DURING CONSTRUCTION.

HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-68	MR2 354+30.87	(47.61' LT.)
1-69	MR2 354+30.80	(15.81' LT.)

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—I— —I— —I—	EXISTING GUARDRAIL		ISOLATION DAM
— — — — —	EXISTING EDGE LINE		EXISTING SIGNS
- ST — — ST -	EXISTING CULVERT		TREE
— - - - -	EXISTING DITCH LINE		EXISTING CATCH BASIN
- ● — — ● -	EXISTING CABLE BARRIER		INLET PROTECTION
- HVS — HVS —	HIGH VISIBILITY SILT FENCE	??? ??	QUANTITY TAB NOTE FLAG CONTINUATION
- HVF — HVF —	HIGH VISIBILITY CONST. FENCE	??	QUANTITY TAB NOTE FLAG
- SF — SF —	SILT FENCE		BORE HOLE
- TC — TC —	TURBIDITY CURTAIN		MONITOR WELL
— OHW —	ORDINARY HIGH WATER	#-#	FENCE
- BCL — - BCL	BURIED COMMUNICATION LINE		PRIMARY CONTROL POINT
— — WB — —	WETLAND BOUNDARY		
CG CG	CLEAR AND GRUB		
— SAW —	SAWCUT		

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_SP_007.dgn
TIME	10:46:10 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
ENTERED BY	D. FRANKUM
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

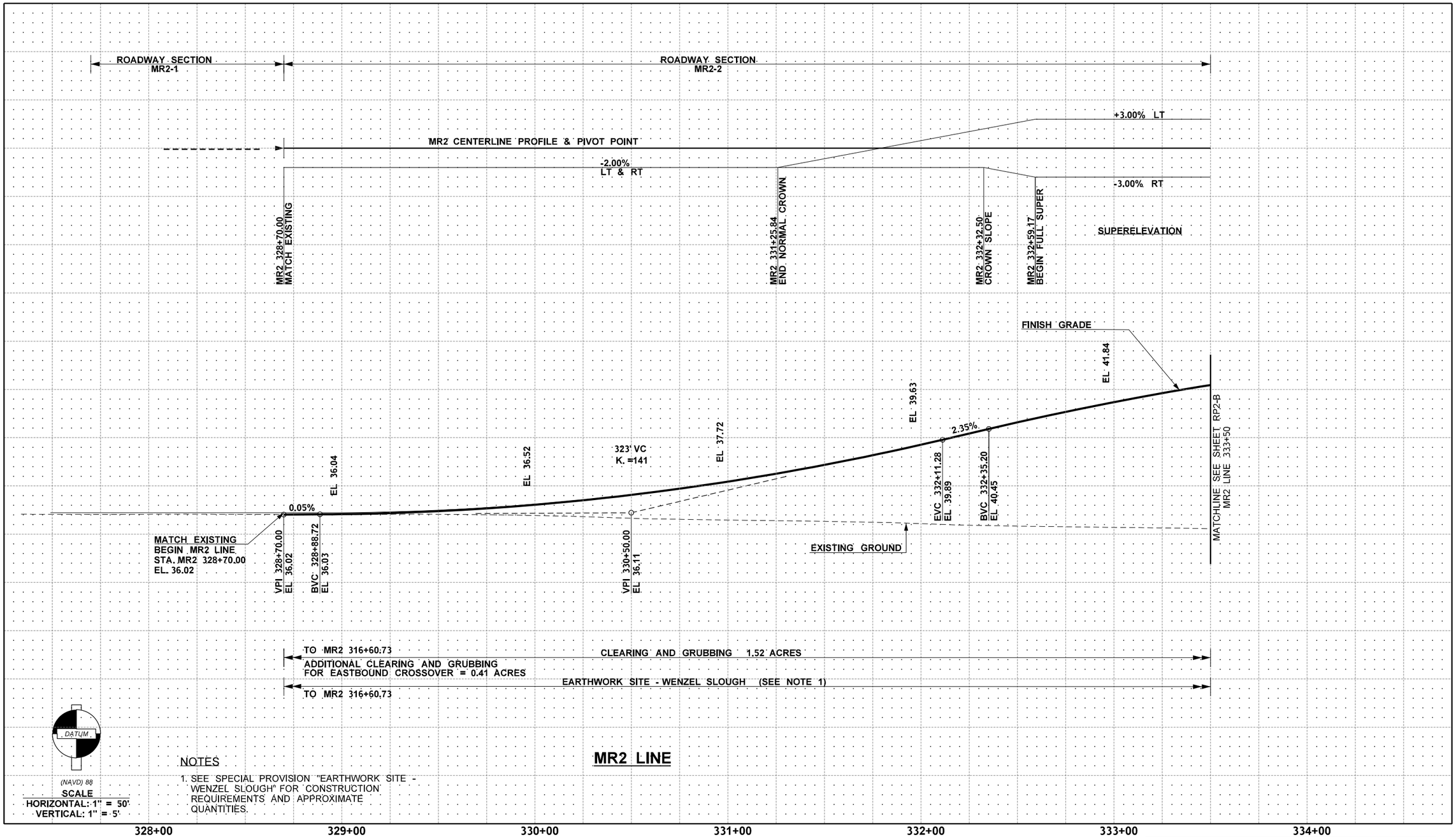
Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO SP7-B
SHEET 382 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_SP_007.dgn



US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DATE	12/15/2022						
PLOTTED BY	Fts						
DESIGNED BY	H. EILERS						
ENTERED BY	H. EILERS						
CHECKED BY	M. FELIBERTI				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

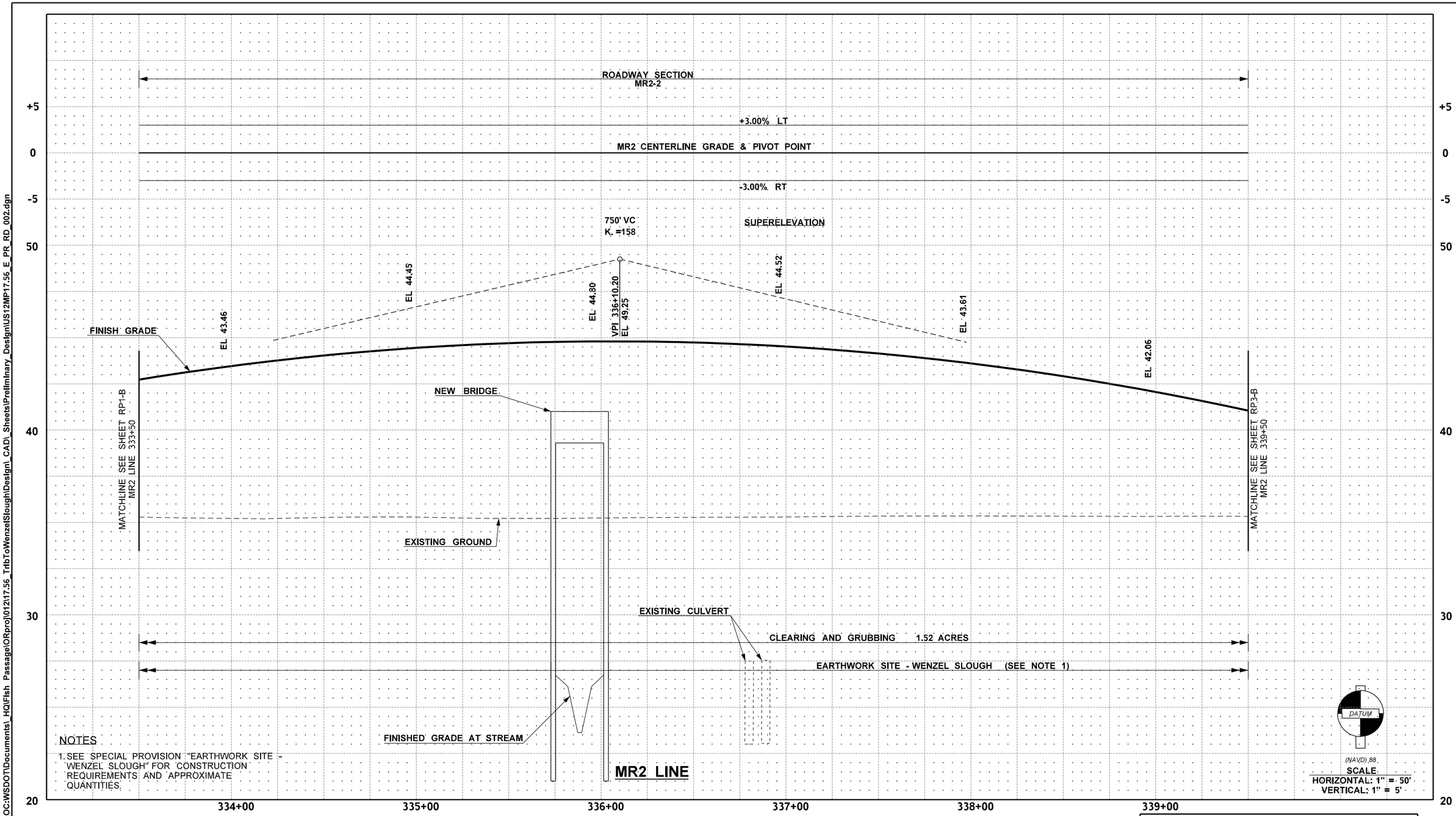
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP1-B

SHEET 383 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PR_RD_001.dgn



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - WENZEL SLOUGH" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

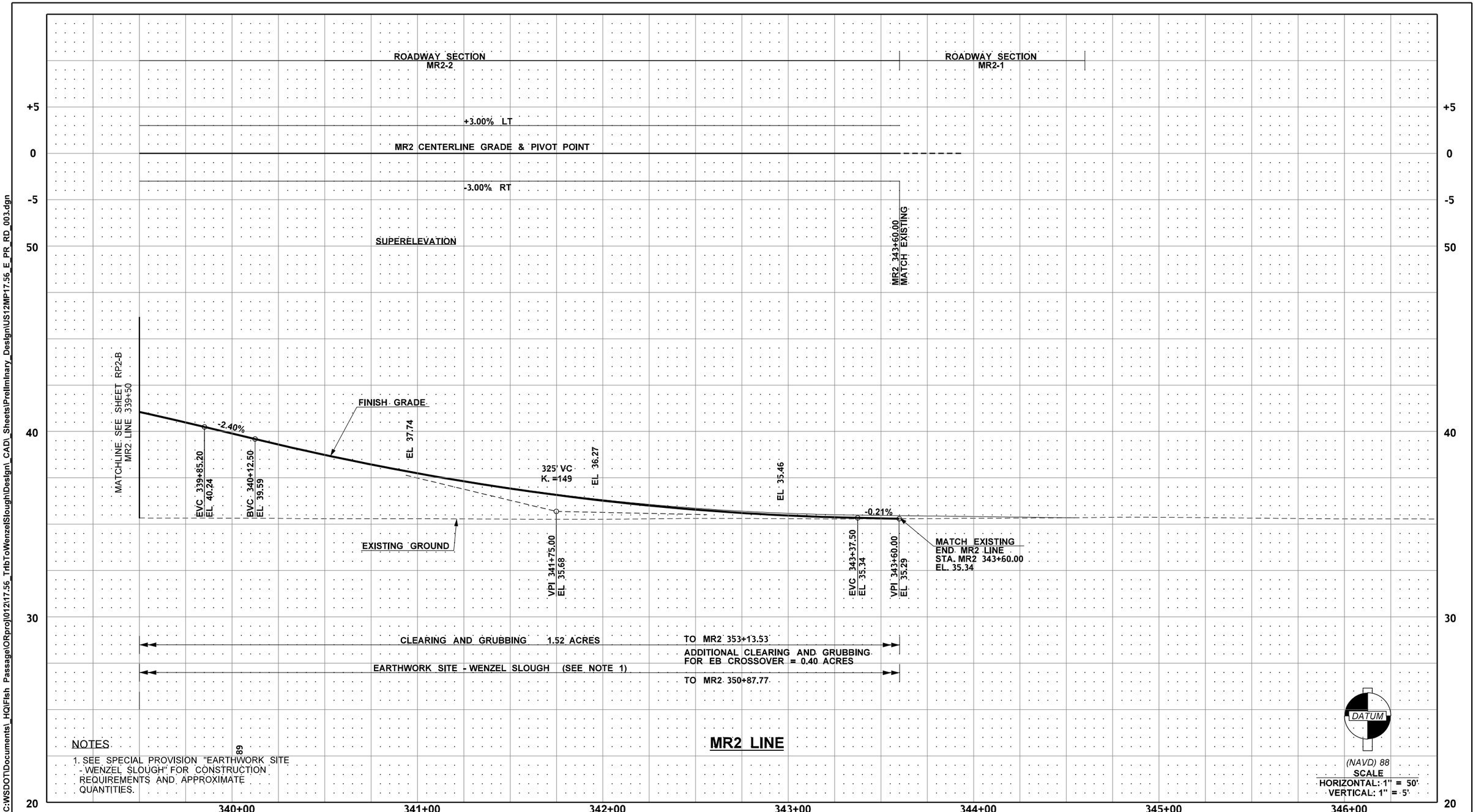
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP2-B

SHEET 384 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PR_RD_002.dgn



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - WENZEL SLOUGH" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP3-B

SHEET 385 OF 1241 SHEETS

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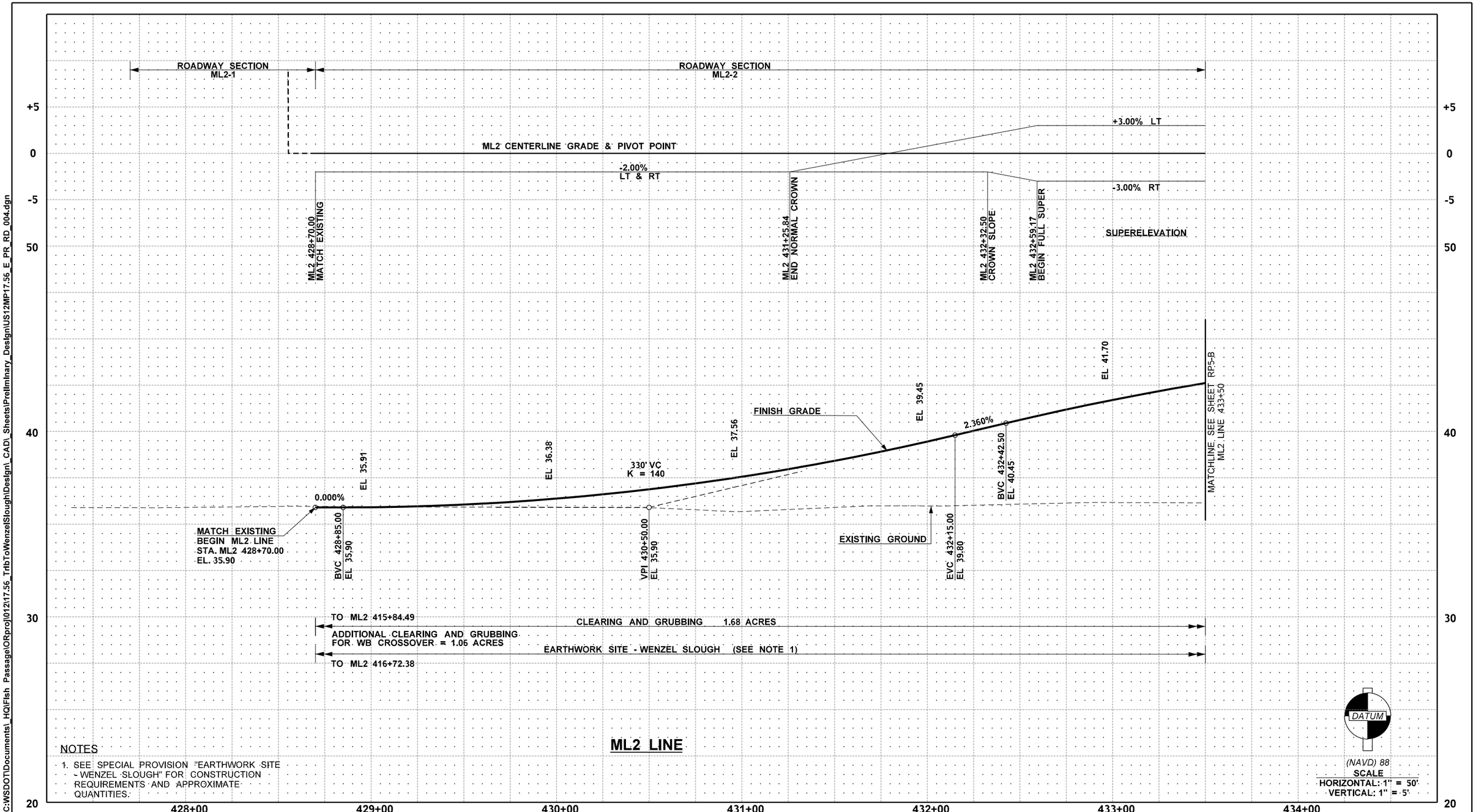

NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - WENZEL SLOUGH" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

ML2 LINE

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:47:30 AM
DATE	12/15/2022
PLOTTED BY	Fts
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ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP4-B

SHEET 386 OF 1241 SHEETS

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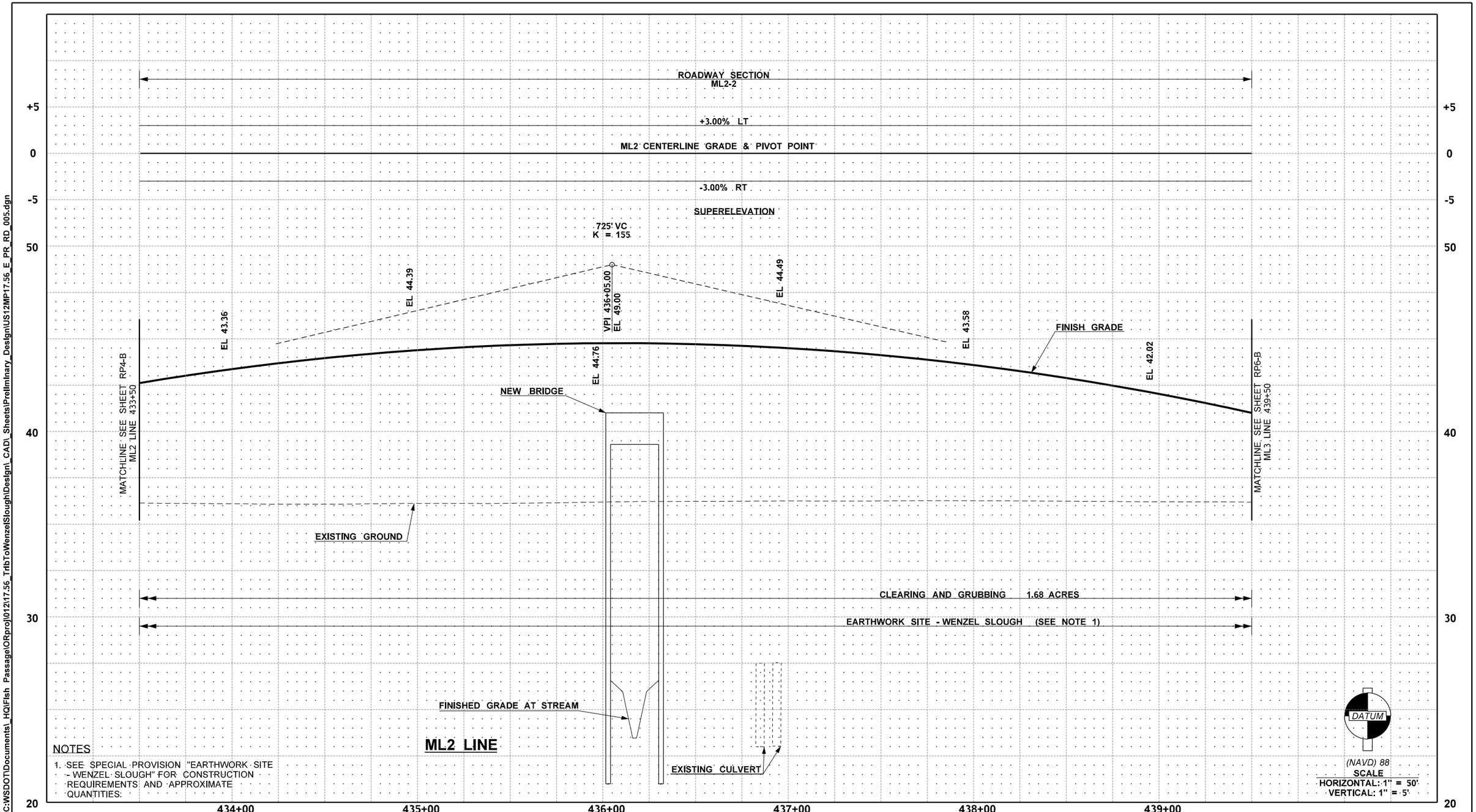

NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - WENZEL SLOUGH" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1

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P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP5-B

SHEET 387 OF 1241 SHEETS

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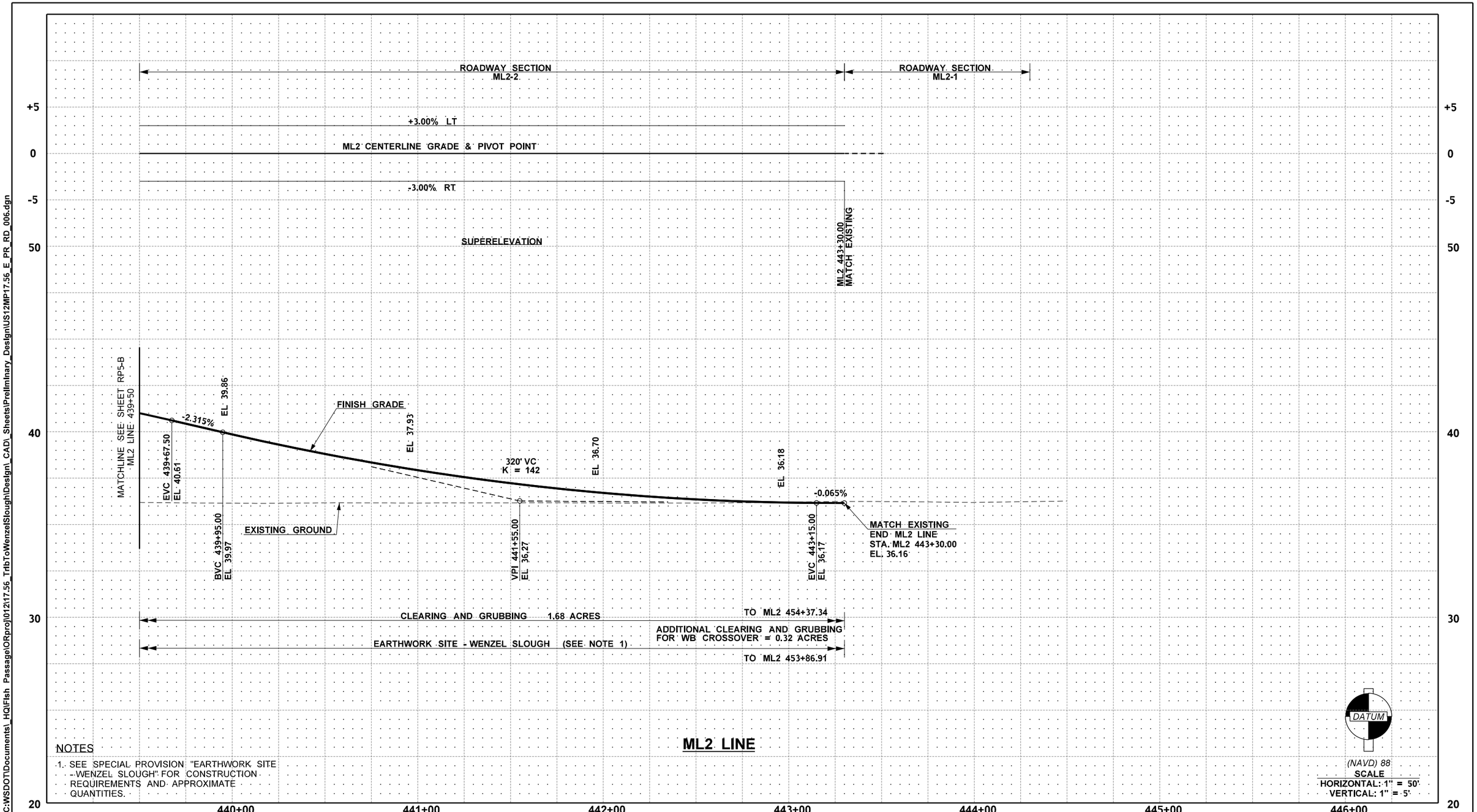

ML2 LINE

NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - WENZEL SLOUGH" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP6-B

SHEET 388 OF 1241 SHEETS

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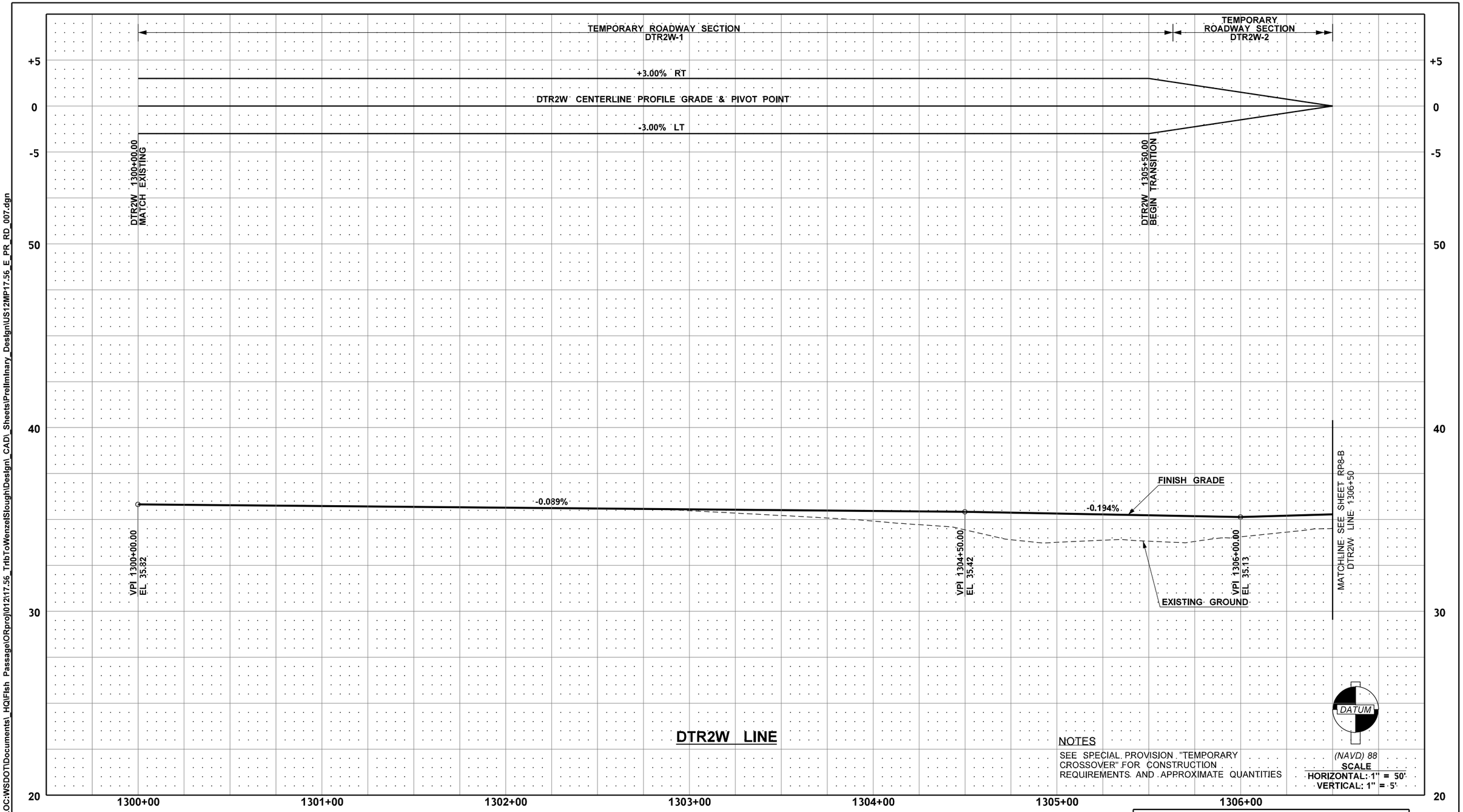

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:47:41 AM
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DESIGNED BY	M. RAGUSE
ENTERED BY	M. RAGUSE
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP7-B

SHEET 389 OF 1241 SHEETS

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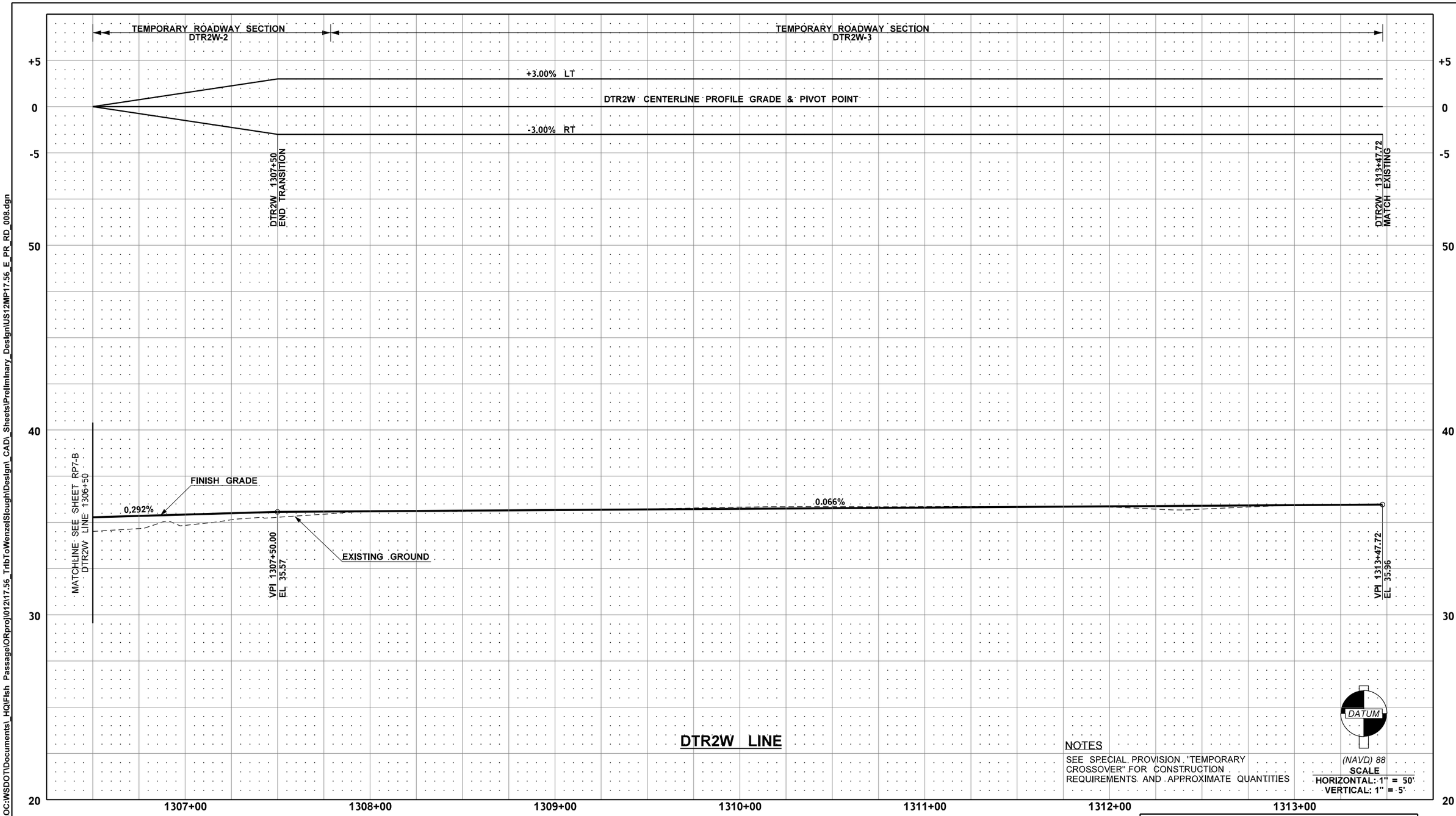

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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CHECKED BY	M. FELIBERTI						
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP8-B

SHEET 390 OF 1241 SHEETS

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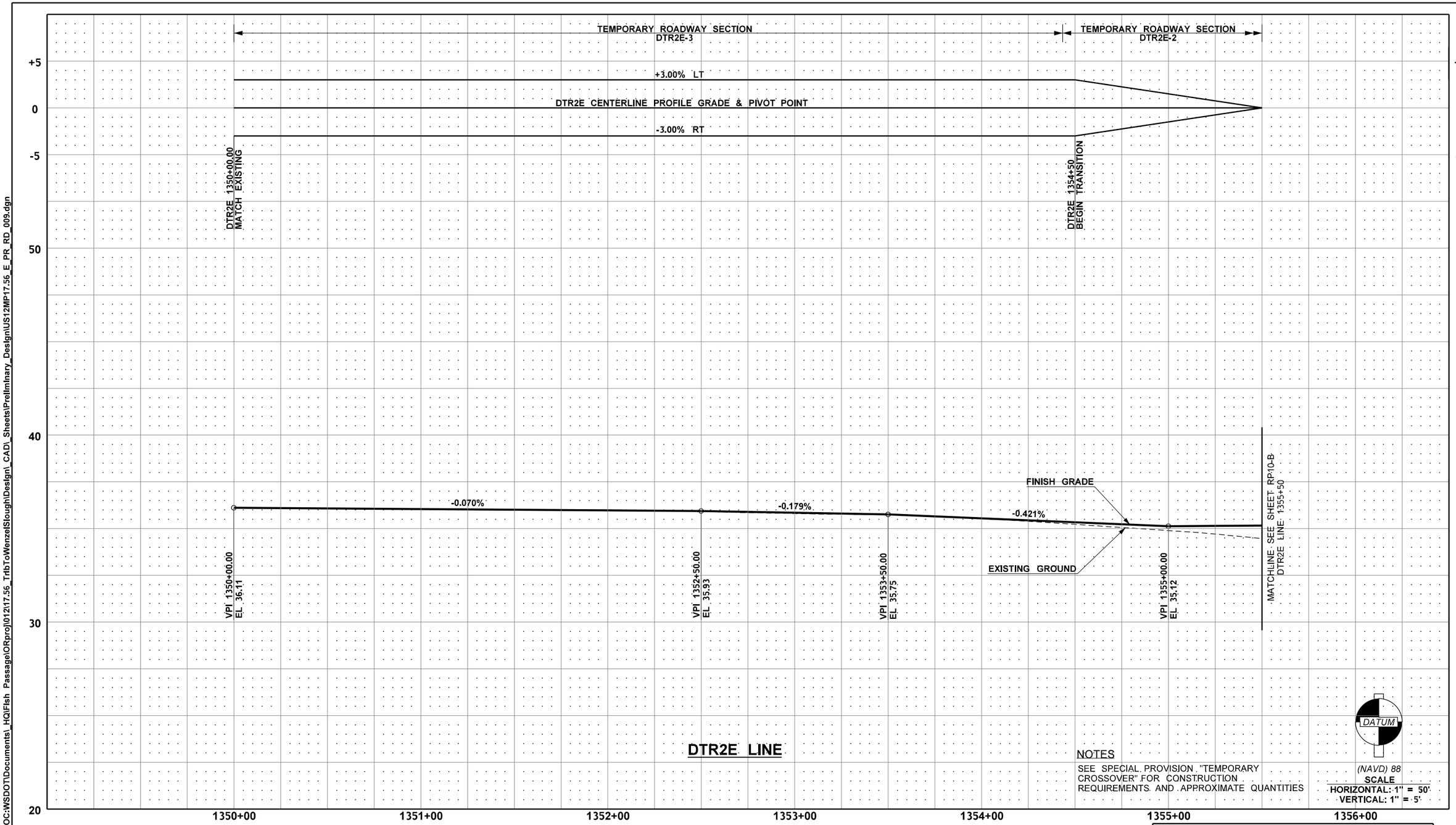

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:47:46 AM
DATE	12/15/2022
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DESIGNED BY	M. RAGUSE
ENTERED BY	M. RAGUSE
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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

MASON DOUGLAS RAGUSE — STATE OF WASHINGTON — 50104380 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP9-B

SHEET 391 OF 1241 SHEETS

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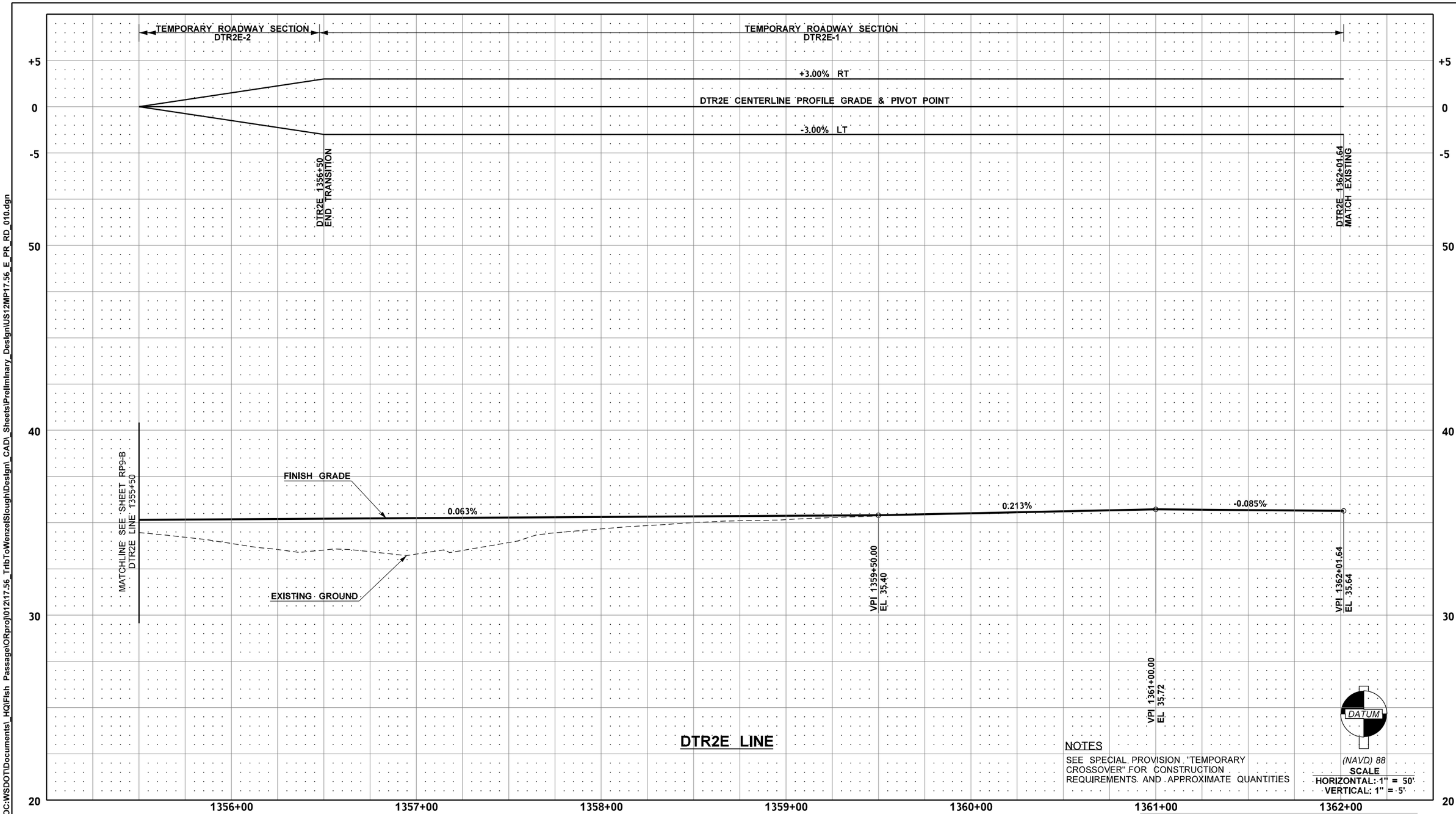

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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PROJ. ENGR.	B. ELLIOTT					
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS SAGINE — STATE OF WASHINGTON — 20104380 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP10-B

SHEET 392 OF 1241 SHEETS

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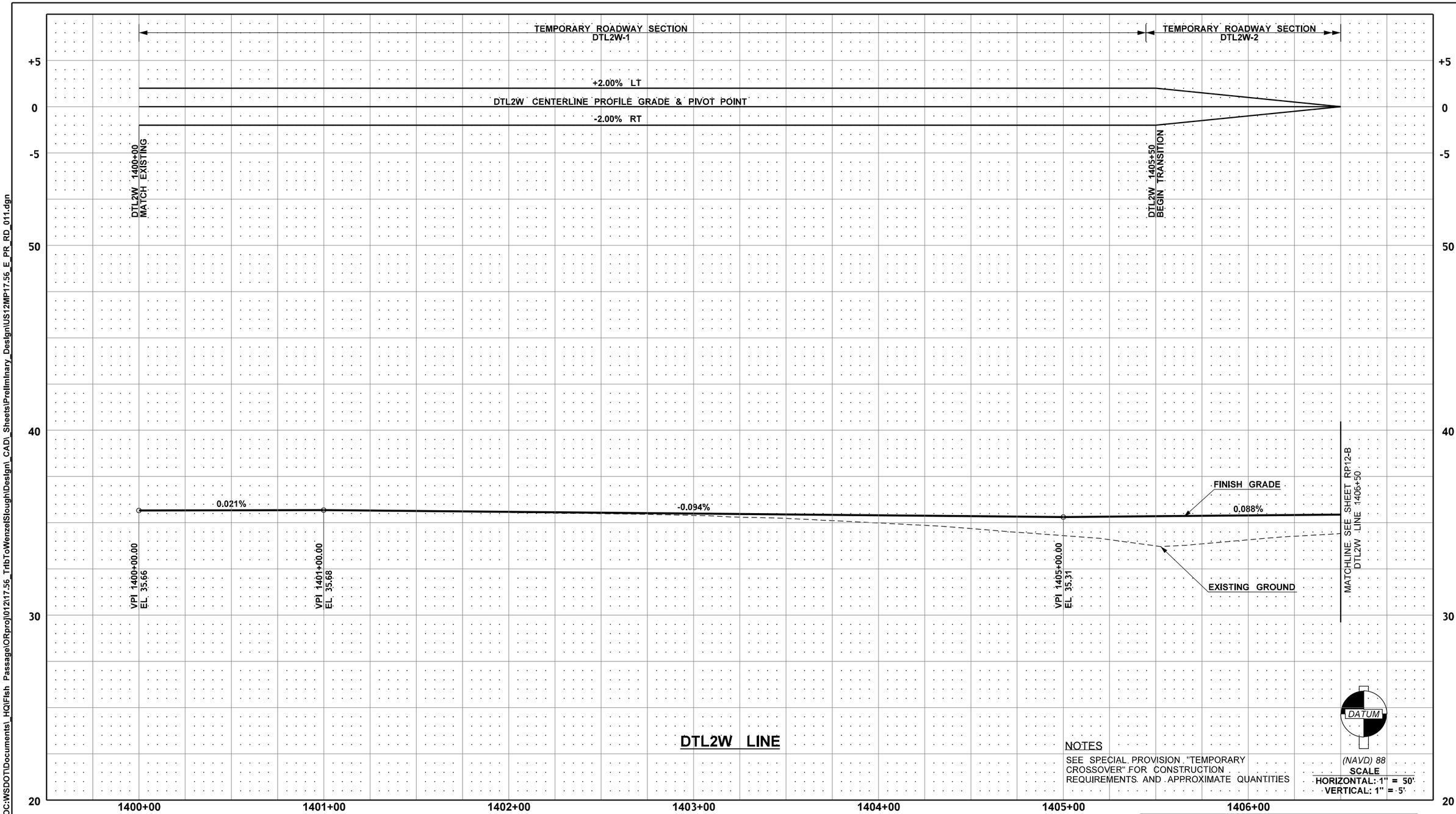

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP11-B

SHEET 393 OF 1241 SHEETS

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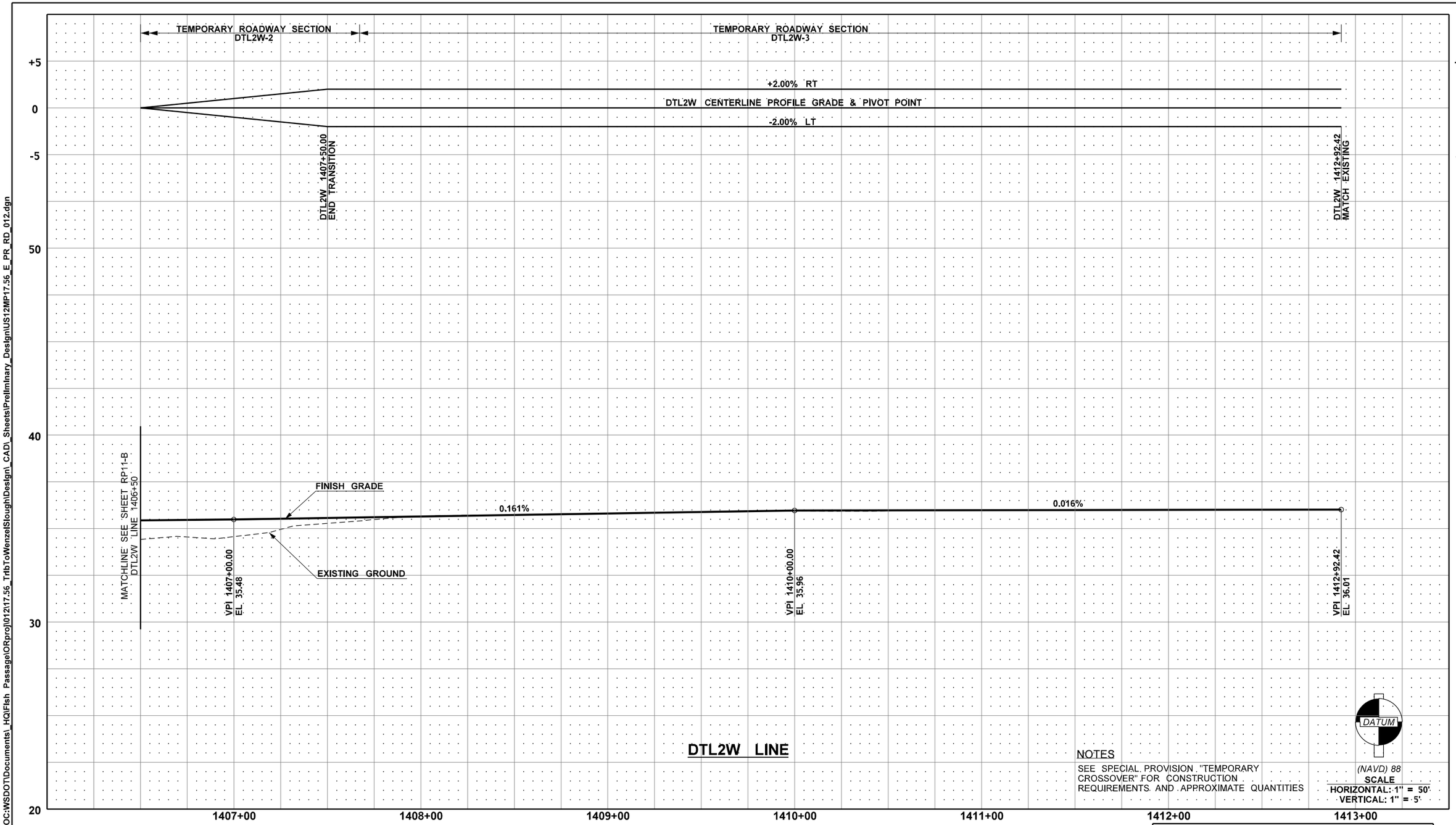

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:47:55 AM
DATE	12/15/2022
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DESIGNED BY	M. RAGUSE
ENTERED BY	M. RAGUSE
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

MASON DOUGLAS RAGUSE
STATE OF WASHINGTON
50104380
REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

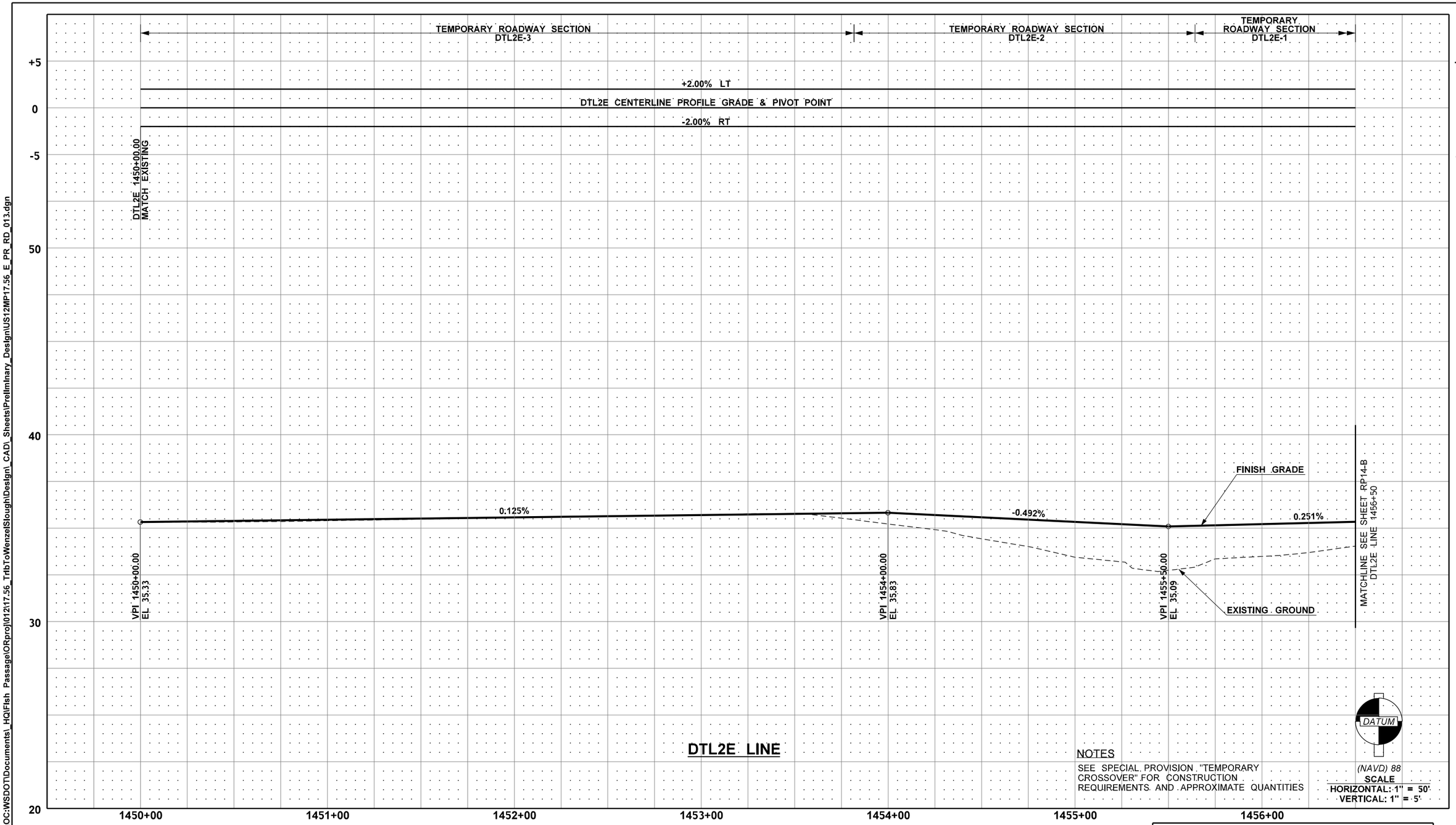
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP12-B

SHEET 394 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PR_RD_012.dgn



DTL2E LINE

NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PR_RD_013.dgn
TIME	11:47:58 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	M. RAGUSE
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

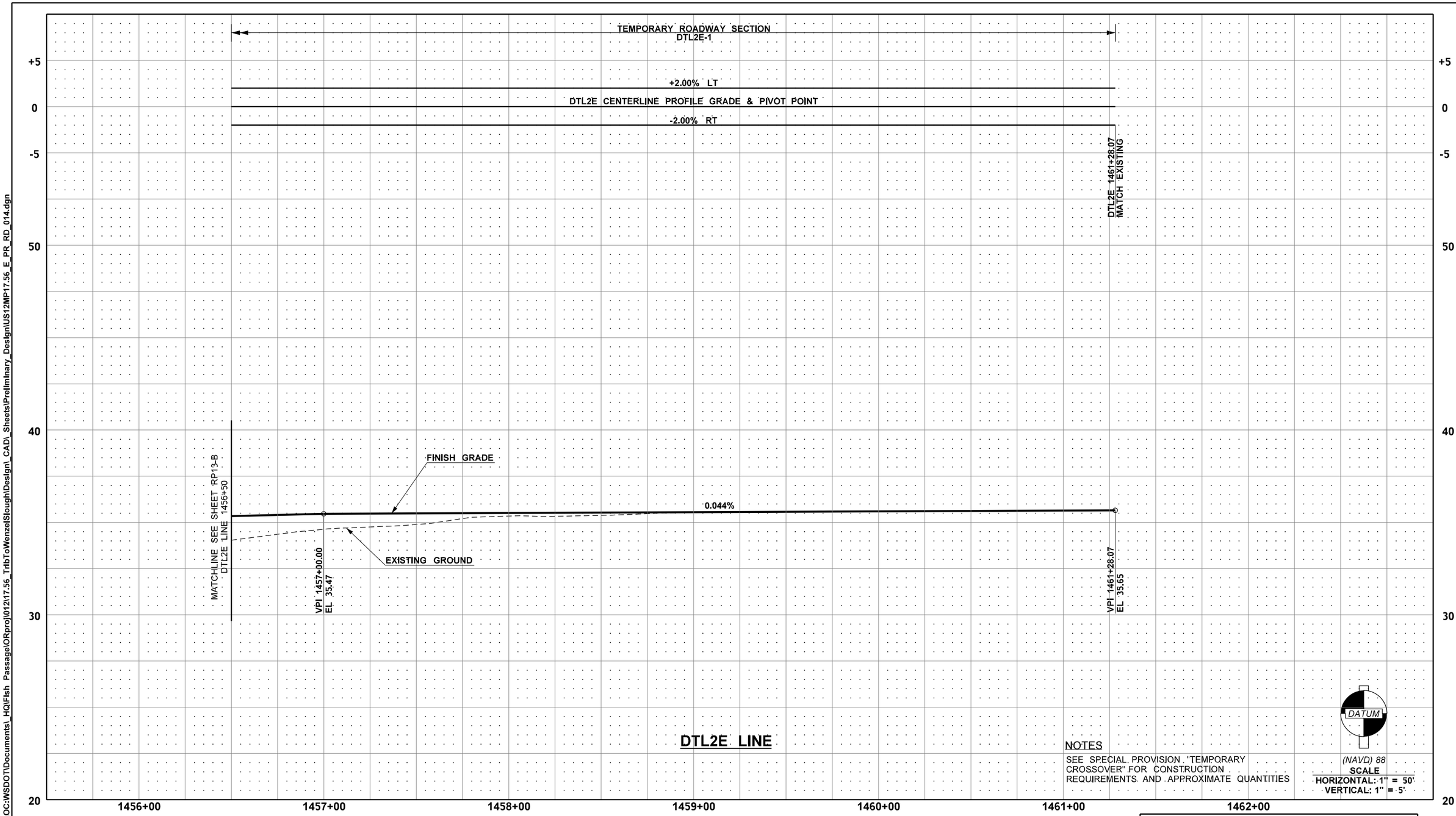
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP13-B

SHEET 395 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PR_RD_013.dgn



NOTES

SEE SPECIAL PROVISION "TEMPORARY CROSSOVER" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PR_RD_014.dgn
TIME	11:48:01 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	M. RAGUSE
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP14-B

SHEET 396 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PR_RD_014.dgn

STRUCTURE NOTES - DRAINAGE

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	ROADWAY EXCAVATION INCL. HAUL - AREA BMP ** C.Y.	ROADWAY EXCAVATION INCL. HAUL - AREA POND ** C.Y.	COMMON BORROW INCL. HAUL ** C.Y.	DITCH EXCAVATION INCL. HAUL ** C.Y.	GRATE INLET TYPE 2 EACH	QUARRY SPALLS TON	UNDERDRAIN PIPE 6 IN. DIAM. L.F.	UNDERDRAIN PIPE 8 IN. DIAM. L.F.	DRAIN PIPE 6 IN. DIAM. L.F.	DRAIN PIPE 8 IN. DIAM. L.F.	SCHEDULE A CULV. PIPE 12 IN. DIAM. L.F.	SEE GENERAL NOTES
DR2-B-1	ML2 419+98.11 (RT) TO 428+55.48 (RT)												9,13
DR2-B-2	MR2 316+62.65 (22.11 LT) TO 323+40.97 (22.00 LT)	185							678				1,8,13,14
DR3-B-1	ML 424+80.20 (47.10 LT)		1040	185			25						5,6,10,13,19
DR3-B-2	ML2 426+31.84 (43.79 LT) TO 426+45.00 (21.07 LT)												
DR3-B-3	ML2 426+45.00 (21.07 LT) TO 427+70.00 (21.13 LT)												3,4
DR3-B-4	ML2 427+70.00 (21.13 LT) TO 427+84.07 (42.05 LT)												2,4,8,13
DR3-B-5	ML2 427+90.80 (44.70 LT) TO 429+13.80 (46.40 LT)			85	155		30						12,13
DR3-B-6	MR2 323+40.97 (22.00 LT) TO 323+51.20 (32.68 LT)										15		
DR3-B-7	MR2 323+51.20 (32.68 LT) TO 323+50.44 (44.32 RT)						16						2,4,14
DR3-B-8	MR2 323+51.20 (32.68 LT) TO 323+60.48 (22.99 LT)									13			
DR3-B-9	ML2 427+80.10 (21.12 LT) TO 429+17.21 (20.87 LT)												1,4
DR3-B-10	MR 2 323+60.48 (22.99 LT) TO 327+00.64 (23.35 LT)	95						340					1,8,13,14
DR3-B-11	MR 2 327+00.64 (23.35 LT) TO 328+53.99 (23.32 LT)	45						153					1,8,13,14
DR3-B-12	ML2 429+17.21 (20.87 LT) TO 429+38.32 (36.95 LT)						6						2,4,14
DR3-B-13	MR2 328+53.99 (23.32 LT) TO 329+39.40 (32.38 LT)									86			1,4
DR3-B-14	MR2 329+39.40 (32.38 LT) TO 329+39.40 (30.73 RT)						6						4,7,14
DR3-B-15	ML2 422+89.19 (32.60 LT) TO ML4 423+84.74 (40.38 LT)						6					96	14
DR3-B-16	ML2 429+97.39 (42.00 LT)						7						14
DR3-B-17	ML2 423+54.22 (78.34 LT) TO 423+64.16 (77.17)												20
DR3-B-18	ML2 426+32.57 (77.73) TO 426+42.55 (78.30 LT)												20
DR4-B-1	MR2 331+65.00 (32.01 LT) TO 331+65.00 (20.78 RT)												1,4
DR4-B-2	MR2 331+65.00 (20.78 RT) TO 331+65.00 (34.78 RT)					1	6						14,16,17
DR4-B-3	ML2 435+12.16 (40.69 LT)						1	41		16			14
DR4-B-4	MR2 332+87.90 (40.22 RT)						1	211		16			14
DR4-B-5	ML2 432+09.00 (40.45 LT)						1	384		16			14
DR4-B-6	MR2 331+75.00 (42.04 RT)						1	113		17			14
DR4-B-7	ML2 436+94.28 (50.98 LT)						1	266		32			14
DR4-B-8	MR2 336+77.69 (40.88 RT)						1	131		16			14
DR5-B-1	MR2 337+92.46 (20.89 RT) TO 337+92.46 (33.88 RT)						6						1,4,14
DR5-B-2	NOT USED												
DR5-B-3	MR2 341+14.1 (33.5 LT) TO 339+10.3 (34.1 LT)				100		20						11,13
DR5-B-4	ML2 443+30.38 (RT) TO 451+15.38 (RT)	30											9,13
DR5-B-5	MR2 342+52.47 (32.31 LT) TO 342+52.47 (45.69 RT)						6						1,4,14
DR5-B-6	MR2 340+16.54 (RT) TO 350+87.74 (RT)												9,13
DR6-B-1	ML2 448+41.39 (49.06 LT) TO 448+41.79 (31.81 RT)												18
DR6-B-2	MR2 348+24.47 (31.69 LT) TO 348.24.84 (39.39 RT)												18
	SHEET TOTAL	355	1040	270	255	1	140	1639	678	212	15	96	
	SECTION B TOTAL	355	1040	270	255	1	140	1639	678	212	15	96	

GENERAL NOTES:

** This work is included in "Earthwork Site - Wenzel Slough", lump sum. See Special Provisions.

1. SEE STANDARD PLAN B-5.20, CATCH BASIN TYPE 1.
2. SEE STANDARD PLAN B-10.20, CATCH BASIN TYPE 2.
3. SEE STANDARD PLAN B-10.40, CATCH BASIN TYPE 2 WITH FLOW RESTRICTOR DETAIL ON DD9-B.
4. SEE STANDARD PLAN B-30.30, RECTANGULAR VANED GRATE.
5. SEE STANDARD PLAN L-20.10, CHAIN LINK FENCE TYPE 3.
6. SEE STANDARD PLAN L-30.10, CHAIN LINK GATE.
7. SEE STANDARD PLAN B-5.40, CATCH BASIN TYPE 1L.
8. SEE SPECIAL PROVISION 8-02 "MEDIA FILTER DRAIN SOIL MIX". SEE DETAILS ON SHEET DD2-B AND DD3-B.
9. SEE SPECIAL PROVISION 8-02 "CAVFS SOIL PREPARATION". SEE DETAILS ON SHEET DD1-B.
10. SEE DETENTION POND DETAILS ON SHEET DD7-B AND DD8-B.
11. SEE CONTINUOUS INFLOW COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
12. SEE COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
13. SEE PAVEMENT MARKING PLANS FOR BMP DELINEATION.
14. SEE OUTLET PROTECTION DETAIL ON SHEET DD3-B.
15. SEE STANDARD PLAN B-30.20, RECTANGULAR SOLID METAL COVER.
16. SEE STANDARD PLAN B-35.40, GRATE INLET TYPE 2.
17. SEE STANDARD PLAN B-40.40, FRAME AND DUAL VANED GRATES FOR GRATE INLET.
18. CLEANING EXISTING DRAINAGE STRUCTURE PER STD. SPEC 7-07.
19. SEE SPECIAL PROVISION 8-02 "GEOMEMBRANE LINER SYSTEM - WENZEL SLOUGH". SEE GEOMEMBRANE LINER SYSTEM DETAILS ON SHEET DD8-B.
20. SEE STANDARD PLAN L-10.10, WIRE FENCE TYPE 2.

		DATE	DATE	REVISION	BY
DESIGNED BY	S. HANSEN				
ENTERED BY	J.NGO				
CHECKED BY	J. ST. JOHN				
PROJ. ENGR.	B. ELLIOTT				
REGION ADM.	S. ROARK				

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STRUCTURE NOTES - DRAINAGE

SNDR1-B

SHEET 397 **OF** 1241 **SHEETS**

STRUCTURE NOTES - DRAINAGE

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	CATCH BASIN TYPE 1L	CATCH BASIN TYPE 1	CATCH BASIN TYPE 2 48 IN. DIAM.	CATCH BASIN TYPE 2 54 IN. DIAM. WITH FLOW RESTRICTOR	TESTING STORM SEWER PIPE	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	SCHEDULE A STORM SEWER PIPE 18 IN. DIAM.		CRUSHED SURFACING BASE COURSE	TOPSOIL TYPE A	MEDIUM COMPOST		STRUCTURE EXCAVATION CLASS B INCL. HAUL **	SHORING OR EXTRA EXCAVATION CLASS B **	GRAVEL BACKFILL FOR DRAINS **	SEE GENERAL NOTES
		EACH	EACH	EACH	EACH	L.F.	L.F.	L.F.		TON	S.Y.	S.Y.		C.Y.	S.F.	C.Y.	
DR2-B-1	ML2 419+98.11 (RT) TO 428+55.48 (RT)											580					9,13
DR2-B-2	MR2 316+62.65 (22.11 LT) TO 323+40.97 (22.00 LT)		5							10		380				130	1,8,13,14
DR3-B-1	ML 424+80.20 (47.10 LT)									110							5,6,10,13,19
DR3-B-2	ML2 426+31.84 (43.79 LT) TO 426+45.00 (21.07 LT)						26							8			
DR3-B-3	ML2 426+45.00 (21.07 LT) TO 427+70.00 (21.13 LT)				1	125	125							86	580		3,4
DR3-B-4	ML2 427+70.00 (21.13 LT) TO 427+84.07 (42.05 LT)			1			25							20			2,4,8,13
DR3-B-5	ML2 427+90.80 (44.70 LT) TO 429+13.80 (46.40 LT)										200	200					12,13
DR3-B-6	MR2 323+40.97 (22.00 LT) TO 323+51.20 (32.68 LT)													9	80		
DR3-B-7	MR2 323+51.20 (32.68 LT) TO 323+50.44 (44.32 RT)			1				77						34			2,4,14
DR3-B-8	MR2 323+51.20 (32.68 LT) TO 323+60.48 (22.99 LT)													5			
DR3-B-9	ML2 427+80.10 (21.12 LT) TO 429+17.21 (20.87 LT)		1			137	137							82	600		1,4
DR3-B-10	MR 2 323+60.48 (22.99 LT) TO 327+00.64 (23.35 LT)		2							30		190				50	1,8,13,14
DR3-B-11	MR 2 327+00.64 (23.35 LT) TO 328+53.99 (23.32 LT)		1							20		90				20	1,8,13,14
DR3-B-12	ML2 429+17.21 (20.87 LT) TO 429+38.32 (36.95 LT)			1			27							20			2,4,14
DR3-B-13	MR2 328+53.99 (23.32 LT) TO 329+39.40 (32.38 LT)		1											22			1,4
DR3-B-14	MR2 329+39.40 (32.38 LT) TO 329+39.40 (30.73 RT)	1					66							11			4,7,14
DR3-B-15	ML2 422+89.19 (32.60 LT) TO ML4 423+84.74 (40.38 LT)													22			14
DR3-B-16	ML2 429+97.39 (42.00 LT)																14
DR3-B-17	ML2 423+54.22 (78.34 LT) TO 423+64.16 (77.17)																20
DR3-B-18	ML2 426+32.57 (77.73) TO 426+42.55 (78.30 LT)																20
DR4-B-1	MR2 331+65.00 (32.01 LT) TO 331+65.00 (20.78 RT)		1			53	53							38	270		1,4
DR4-B-2	MR2 331+65.00 (20.78 RT) TO 331+65.00 (34.78 RT)						14							19			14,16,17
DR4-B-3	ML2 435+12.16 (40.69 LT)															2	14
DR4-B-4	MR2 332+87.90 (40.22 RT)															8	14
DR4-B-5	ML2 432+09.00 (40.45 LT)															15	14
DR4-B-6	MR2 331+75.00 (42.04 RT)															5	14
DR4-B-7	ML2 436+94.28 (50.98 LT)															10	14
DR4-B-8	MR2 336+77.69 (40.88 RT)															5	14
DR5-B-1	MR2 337+92.46 (20.89 RT) TO 337+92.46 (33.88 RT)						13							16			1,4,14
DR5-B-2	NOT USED																
DR5-B-3	MR2 341+14.1 (33.5 LT) TO 339+10.3 (34.1 LT)										270	270		25			11,13
DR5-B-4	ML2 443+30.38 (RT) TO 451+15.38 (RT)											440					9,13
DR5-B-5	MR2 342+52.47 (32.31 LT) TO 342+52.47 (45.69 RT)		1				78										1,4,14
DR5-B-6	MR2 340+16.54 (RT) TO 350+87.74 (RT)									50		600					9,13
DR6-B-1	ML2 448+41.39 (49.06 LT) TO 448+41.79 (31.81 RT)																18
DR6-B-2	MR2 348+24.47 (31.69 LT) TO 348.24.84 (39.39 RT)																18
	SHEET TOTAL	1	12	3	1	315	564	77		220	470	2750		417	1530	245	
	SECTION B TOTAL	1	12	3	1	315	564	77		220	470	2750		417	1530	245	

GENERAL NOTES:

** This work is included in "Earthwork Site - Wenzel Slough", lump sum. See Special Provisions.

1. SEE STANDARD PLAN B-5.20, CATCH BASIN TYPE 1.
2. SEE STANDARD PLAN B-10.20, CATCH BASIN TYPE 2.
3. SEE STANDARD PLAN B-10.40, CATCH BASIN TYPE 2 WITH FLOW RESTRICTOR DETAIL ON DD9-B.
4. SEE STANDARD PLAN B-30.30, RECTANGULAR VANED GRATE.
5. SEE STANDARD PLAN L-20.10, CHAIN LINK FENCE TYPE 3.
6. SEE STANDARD PLAN L-30.10, CHAIN LINK GATE.
7. SEE STANDARD PLAN B-5.40, CATCH BASIN TYPE 1L.
8. SEE SPECIAL PROVISION 8-02 "MEDIA FILTER DRAIN SOIL MIX". SEE DETAILS ON SHEET DD2-B AND DD3-B.
9. SEE SPECIAL PROVISION 8-02 "CAVFS SOIL PREPARATION". SEE DETAILS ON SHEET DD1-B.
10. SEE DETENTION POND DETAILS ON SHEET DD7-B AND DD8-B.
11. SEE CONTINUOUS INFLOW COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
12. SEE COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
13. SEE PAVEMENT MARKING PLANS FOR BMP DELINEATION.
14. SEE OUTLET PROTECTION DETAIL ON SHEET DD3-B.
15. SEE STANDARD PLAN B-30.20, RECTANGULAR SOLID METAL COVER.
16. SEE STANDARD PLAN B-35.40, GRATE INLET TYPE 2.
17. SEE STANDARD PLAN B-40.40, FRAME AND DUAL VANED GRATES FOR GRATE INLET.
18. CLEANING EXISTING DRAINAGE STRUCTURE PER STD. SPEC 7-07.
19. SEE SPECIAL PROVISION 8-02 "GEOMEMBRANE LINER SYSTEM - WENZEL SLOUGH". SEE GEOMEMBRANE LINER SYSTEM DETAILS ON SHEET DD8-B.
20. SEE STANDARD PLAN L-10.10, WIRE FENCE TYPE 2.

					REGION NO.	STATE	FED. AID PROJ. NO.	
DESIGNED BY	S. HANSEN				10	WASH	ARPA001	
ENTERED BY	J.NGO							
CHECKED BY	J. ST. JOHN				JOB NUMBER			
PROJ. ENGR.	B. ELLIOTT				21C522			
REGION ADM.	S. ROARK				CONTRACT NO.			
		DATE	DATE	REVISION	XL6115			

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STRUCTURE NOTES - DRAINAGE

SNDR2-B

SHEET 398 OF 1241 SHEETS

STRUCTURE NOTES - DRAINAGE

NOTE:
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THE SECOND NUMBER REFERS TO THE DRAINAGE FEATURE FOUND ON THAT SHEET.

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	CHAIN LINK FENCE TYPE 3	END, GATE, CORNER, AND PULL POST FOR CHAIN LINK FENCE	DOUBLE 20 FT. CHAIN LINK GATE	WIRE FENCE TYPE 2	CONSTRUCTION GEOTEXTILE FOR UNDERGROUND DRAINAGE	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION		GEOMEMBRANE LINER SYSTEM - WENZEL SLOUGH	BIOFILTRATION SWALE LEVEL SPREADER, DIVIDER		BIOFILTRATION SWALE DIVIDER	MEDIA FILTER DRAIN SOIL MIX	CAVFS SOIL PREPARATION			SEE GENERAL NOTES
		L.F.	EACH	EACH	L.F.	S.Y.	S.Y.		L.S.	L.F.		L.F.	S.Y.	S.Y.			
DR2-B-1	ML2 419+98.11 (RT) TO 428+55.48 (RT)													580			9,13
DR2-B-2	MR2 316+62.65 (22.11 LT) TO 323+40.97 (22.00 LT)					840							160				1,8,13,14
DR3-B-1	ML 424+80.20 (47.10 LT)	602	65	1			410		1								5,6,10,13,19
DR3-B-2	ML2 426+31.84 (43.79 LT) TO 426+45.00 (21.07 LT)																
DR3-B-3	ML2 426+45.00 (21.07 LT) TO 427+70.00 (21.13 LT)																3,4
DR3-B-4	ML2 427+70.00 (21.13 LT) TO 427+84.07 (42.05 LT)																2,4,8,13
DR3-B-5	ML2 427+90.80 (44.70 LT) TO 429+13.80 (46.40 LT)						210			50							12,13
DR3-B-6	MR2 323+40.97 (22.00 LT) TO 323+51.20 (32.68 LT)																
DR3-B-7	MR2 323+51.20 (32.68 LT) TO 323+50.44 (44.32 RT)						17										2,4,14
DR3-B-8	MR2 323+51.20 (32.68 LT) TO 323+60.48 (22.99 LT)																
DR3-B-9	ML2 427+80.10 (21.12 LT) TO 429+17.21 (20.87 LT)																1,4
DR3-B-10	MR 2 323+60.48 (22.99 LT) TO 327+00.64 (23.35 LT)					410							80				1,8,13,14
DR3-B-11	MR 2 327+00.64 (23.35 LT) TO 328+53.99 (23.32 LT)					190							40				1,8,13,14
DR3-B-12	ML2 429+17.21 (20.87 LT) TO 429+38.32 (36.95 LT)						9										2,4,14
DR3-B-13	MR2 328+53.99 (23.32 LT) TO 329+39.40 (32.38 LT)																1,4
DR3-B-14	MR2 329+39.40 (32.38 LT) TO 329+39.40 (30.73 RT)						9										4,7,14
DR3-B-15	ML2 422+89.19 (32.60 LT) TO ML4 423+84.74 (40.38 LT)						9										14
DR3-B-16	ML2 429+97.39 (42.00 LT)						9										14
DR3-B-17	ML2 423+54.22 (78.34 LT) TO 423+64.16 (77.17)				10												20
DR3-B-18	ML2 426+32.57 (77.73) TO 426+42.55 (78.30 LT)				10												20
DR4-B-1	MR2 331+65.00 (32.01 LT) TO 331+65.00 (20.78 RT)																1,4
DR4-B-2	MR2 331+65.00 (20.78 RT) TO 331+65.00 (34.78 RT)						9										14,16,17
DR4-B-3	ML2 435+12.16 (40.69 LT)					20	1										14
DR4-B-4	MR2 332+87.90 (40.22 RT)					100	1										14
DR4-B-5	ML2 432+09.00 (40.45 LT)					170	1										14
DR4-B-6	MR2 331+75.00 (42.04 RT)					50	1										14
DR4-B-7	ML2 436+94.28 (50.98 LT)					120	1										14
DR4-B-8	MR2 336+77.69 (40.88 RT)					60	1										14
DR5-B-1	MR2 337+92.46 (20.89 RT) TO 337+92.46 (33.88 RT)						9										1,4,14
DR5-B-2	NOT USED																
DR5-B-3	MR2 341+14.1 (33.5 LT) TO 339+10.3 (34.1 LT)						310										11,13
DR5-B-4	ML2 443+30.38 (RT) TO 451+15.38 (RT)													440			9,13
DR5-B-5	MR2 342+52.47 (32.31 LT) TO 342+52.47 (45.69 RT)																1,4,14
DR5-B-6	MR2 340+16.54 (RT) TO 350+87.74 (RT)						9							600			9,13
DR6-B-1	ML2 448+41.39 (49.06 LT) TO 448+41.79 (31.81 RT)																18
DR6-B-2	MR2 348+24.47 (31.69 LT) TO 348.24.84 (39.39 RT)																18
	SHEET TOTAL	602	65	1	20	1960	1016		1	50			280	1620			
	SECTION B TOTAL	602	65	1	20	1960	1016		1	50			280	1620			

GENERAL NOTES:

1. SEE STANDARD PLAN B-5.20, CATCH BASIN TYPE 1.
2. SEE STANDARD PLAN B-10.20, CATCH BASIN TYPE 2.
3. SEE STANDARD PLAN B-10.40, CATCH BASIN TYPE 2 WITH FLOW RESTRICTOR DETAIL ON DD9-B.
4. SEE STANDARD PLAN B-30.30, RECTANGULAR VANED GRATE.
5. SEE STANDARD PLAN L-20.10, CHAIN LINK FENCE TYPE 3.
6. SEE STANDARD PLAN L-30.10, CHAIN LINK GATE.
7. SEE STANDARD PLAN B-5.40, CATCH BASIN TYPE 1L.
8. SEE SPECIAL PROVISION 8-02 "MEDIA FILTER DRAIN SOIL MIX". SEE DETAILS ON SHEET DD2-B AND DD3-B.
9. SEE SPECIAL PROVISION 8-02 "CAVFS SOIL PREPARATION". SEE DETAILS ON SHEET DD1-B.
10. SEE DETENTION POND DETAILS ON SHEET DD7-B AND DD8-B.
11. SEE CONTINUOUS INFLOW COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
12. SEE COMPOSTED AMENDED BIOFILTRATION SWALE DETAIL ON SHEET DD4-B, DD5-B AND DD6-B.
13. SEE PAVEMENT MARKING PLANS FOR BMP DELINEATION.
14. SEE OUTLET PROTECTION DETAIL ON SHEET DD3-B.
15. SEE STANDARD PLAN B-30.20, RECTANGULAR SOLID METAL COVER.
16. SEE STANDARD PLAN B-35.40, GRATE INLET TYPE 2.
17. SEE STANDARD PLAN B-40.40, FRAME AND DUAL VANED GRATES FOR GRATE INLET.
18. CLEANING EXISTING DRAINAGE STRUCTURE PER STD. SPEC 7-07.
19. SEE SPECIAL PROVISION 8-02 "GEOMEMBRANE LINER SYSTEM - WENZEL SLOUGH". SEE GEOMEMBRANE LINER SYSTEM DETAILS ON SHEET DD8-B.
20. SEE STANDARD PLAN L-10.10, WIRE FENCE TYPE 2.

DESIGNED BY	S. HANSEN						
ENTERED BY	J.NGO						
CHECKED BY	J. ST. JOHN						
PROJ. ENGR.	B. ELLIOTT						
REGION ADM.	S. ROARK						
		DATE	**DATE**	**REVISION**		**BY**	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

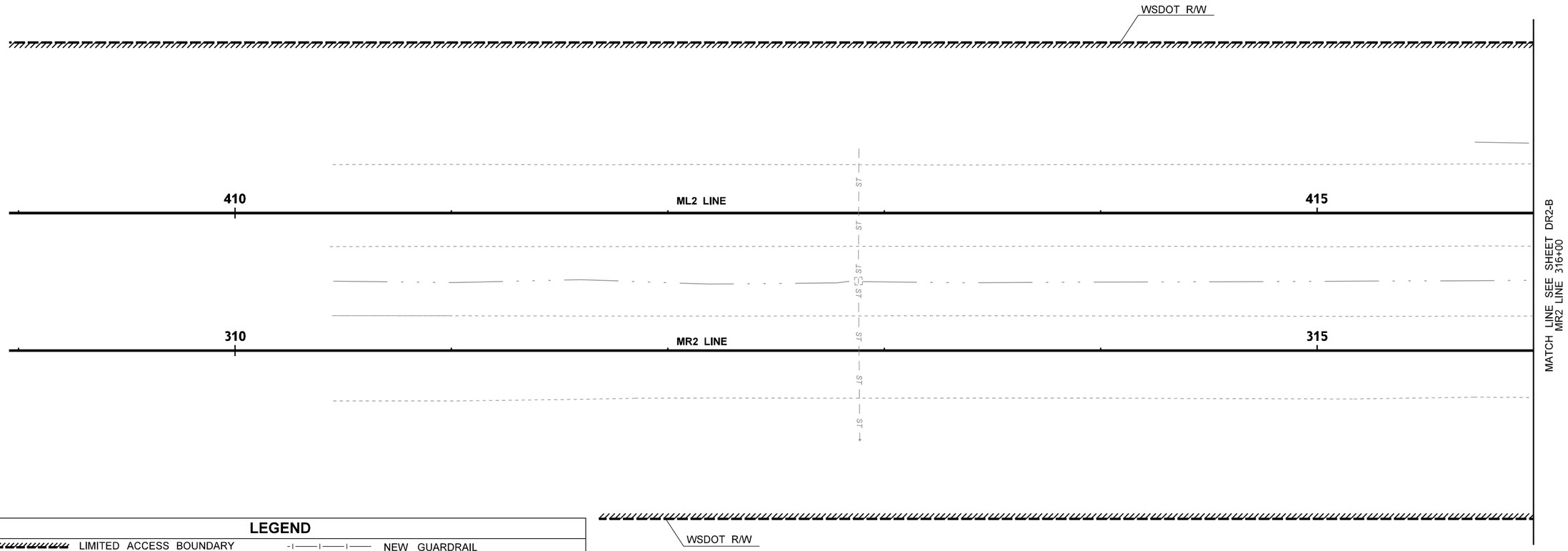
STRUCTURE NOTES - DRAINAGE

SNDR3-B

SHEET 399 **OF** 1241 **SHEETS**

NOTES:

1. FOR DRAINAGE PROFILES, SEE DRAINAGE PROFILE (DP) SHEETS.
2. FOR DRAINAGE DETAILS INCLUDING DRAINAGE DITCHES, OUTLET PROTECTION, MEDIA FILTER DRAINS (MFD), COMPOST AMENDED VEGETATIVE FILTER STRIPS (CAVFS), AND COMPOST AMENDED BIOFILTRATION SWALES (CABS), SEE DRAINAGE DETAIL (DD) SHEETS.
3. DITCH ALIGNMENT AND POINT NUMBERS HAVE BEEN ADDED TO EXISTING DITCHES THAT NEED TO BE RESTORED FOLLOWING TEMPORARY CROSSOVER REMOVAL.
4. FOR DITCH CONSTRUCTION, SEE DITCH PROFILES ON DP SHEETS, ROADWAY TYPICAL SECTIONS ON RS SHEETS, AND DITCH DETAILS ON SHEET DD3-B.



LEGEND

LIMITED ACCESS BOUNDARY	NEW GUARDRAIL
RIGHT OF WAY BOUNDARY	EXISTING ORDINARY HIGH WATER MARK
EXISTING DITCH LINE	STRUCTURE NOTE
EXISTING DITCH LINE (RESTORATION)	STRUCTURE NOTE CONTINUATION
NEW DITCH LINE	ALIGNMENT POINT NUMBER
NEW STORM SEWER PIPE	NEW CATCH BASIN, NEW MANHOLE
NEW DRAIN PIPE	NEW COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)
NEW UNDERDRAIN PIPE	NEW MEDIA FILTER DRAIN (MFD)
NEW CULVERT PIPE	NEW COMPOST AMENDED BIOFILTRATION SWALE (CABS)
EXISTING FENCE	NEW CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS)
EXISTING STORM PIPE	MAINTENANCE ACCESS
EXISTING CATCH BASIN	NEW OUTLET PROTECTION FOR PIPE
EXISTING EDGE OF PAVEMENT	NEW OUTLET PROTECTION
EXISTING WETLAND	
NEW FENCE	
PAVING LIMITS	
NEW CABLE BARRIER	

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_DR_001.dgn
TIME	12:47:50 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

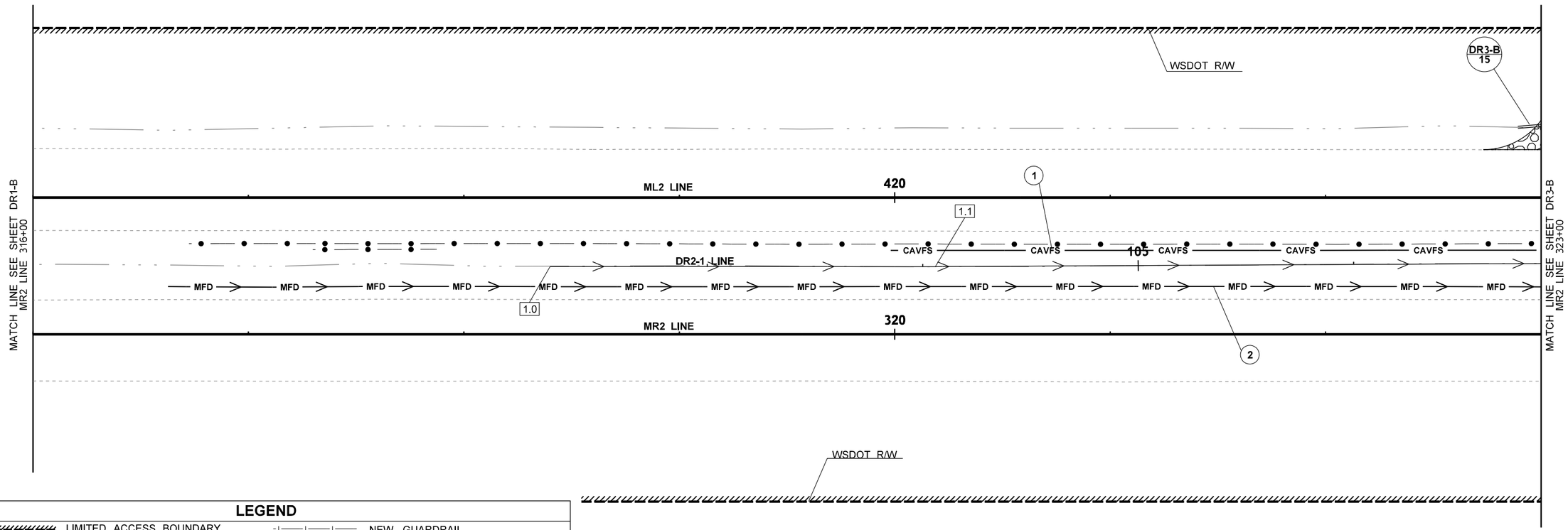
DRAINAGE PLAN

PLAN REF NO
DR1-B

SHEET 400 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_DR_001.dgn

ROADSIDE DITCH ALIGNMENTS							
POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.0	DR2-1	102+27.02	949385.0	1229196.1	S 85°36'44" E	178.69	34.33
1.1	DR2-1	104+05.84	949373.0	1229374.5	S 86°28'11" E	286.35	-



LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- EXISTING DITCH LINE
- EXISTING DITCH LINE (RESTORATION)
- NEW DITCH LINE
- ST ST — NEW STORM SEWER PIPE
- DP DP — NEW DRAIN PIPE
- UD UD — NEW UNDERDRAIN PIPE
- NEW CULVERT PIPE
- EXISTING FENCE
- ST ST — EXISTING STORM PIPE
- EXISTING CATCH BASIN
- EXISTING EDGE OF PAVEMENT
- WB — EXISTING WETLAND
- NEW FENCE
- PAVING LIMITS
- NEW CABLE BARRIER
- NEW GUARDRAIL
- OHW — EXISTING ORDINARY HIGH WATER MARK
- ?? — STRUCTURE NOTE
- ?? ?? — STRUCTURE NOTE CONTINUATION
- ? — ALIGNMENT POINT NUMBER
- NEW CATCH BASIN, NEW MANHOLE
- CAVFS — NEW COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)
- MFD — NEW MEDIA FILTER DRAIN (MFD)
- NEW COMPOST AMENDED BIOFILTRATION SWALE (CABS)
- NEW CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS)
- MAINTENANCE ACCESS
- NEW OUTLET PROTECTION FOR PIPE
- NEW OUTLET PROTECTION

NOTES:

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0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_DR_002.dgn
TIME	12:47:54 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SARAH M. HANSEN, STATE OF WASHINGTON, 46367, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

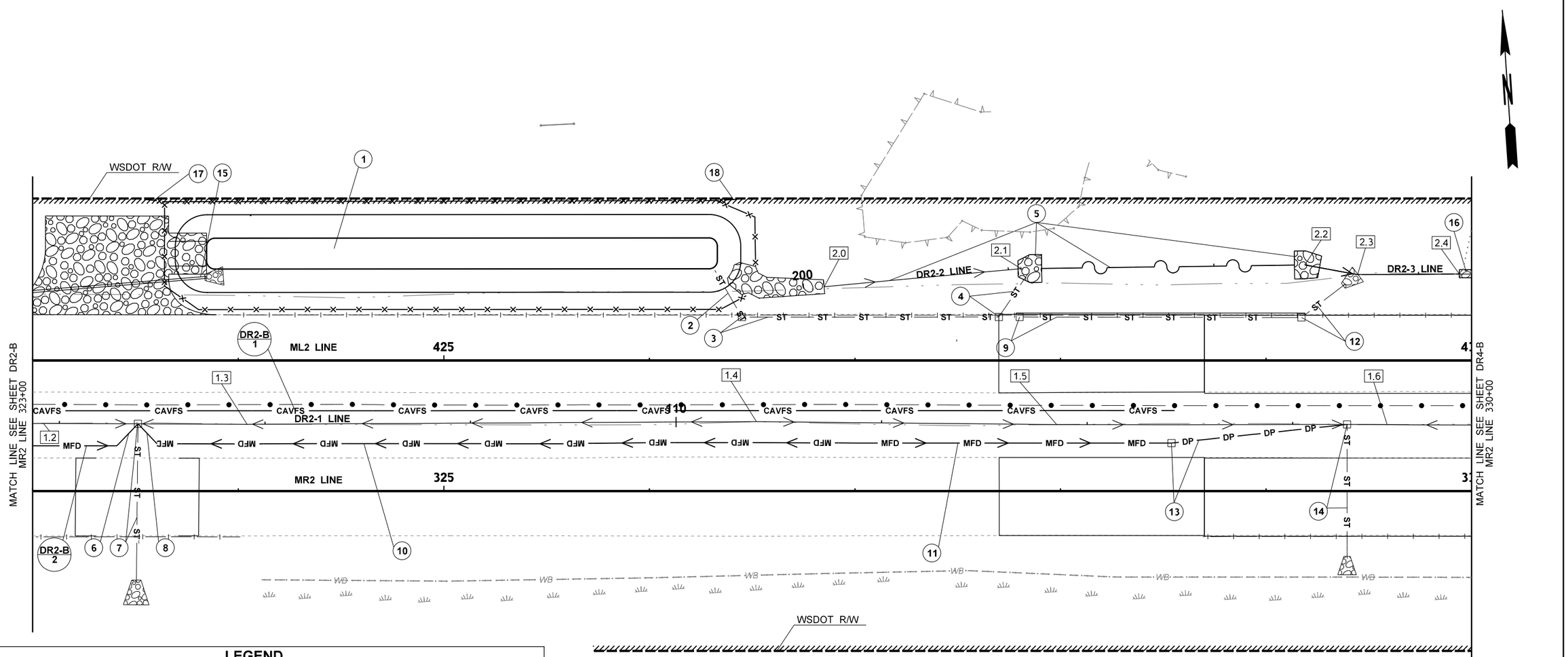
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR2-B

SHEET 401 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_DR_002.dgn



LEGEND

LIMITED ACCESS BOUNDARY	NEW GUARDRAIL
RIGHT OF WAY BOUNDARY	EXISTING ORDINARY HIGH WATER MARK
EXISTING DITCH LINE	STRUCTURE NOTE
EXISTING DITCH LINE (RESTORATION)	STRUCTURE NOTE CONTINUATION
NEW DITCH LINE	ALIGNMENT POINT NUMBER
NEW STORM SEWER PIPE	NEW CATCH BASIN, NEW MANHOLE
NEW DRAIN PIPE	NEW COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)
NEW UNDERDRAIN PIPE	NEW MEDIA FILTER DRAIN (MFD)
NEW CULVERT PIPE	NEW COMPOST AMENDED BIOFILTRATION SWALE (CABS)
EXISTING FENCE	NEW CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS)
EXISTING STORM PIPE	MAINTENANCE ACCESS
EXISTING CATCH BASIN	NEW OUTLET PROTECTION FOR PIPE
EXISTING EDGE OF PAVEMENT	NEW OUTLET PROTECTION
EXISTING WETLAND	
NEW FENCE	
PAVING LIMITS	
NEW CABLE BARRIER	

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ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.2	DR2-1	106+92.19	949355.3	1229660.3	S 85°54'58" E	99.11	-
1.3	DR2-1	107+91.30	949348.3	1229759.2	S 86°28'17" E	247.85	-
1.4	DR2-1	110+39.15	949333.0	1230006.6	S 85°36'13" E	146.05	-
1.5	DR2-1	111+85.20	949321.8	1230152.2	S 86°11'20" E	160.73	34.35
1.6	DR2-1	113+45.93	949311.1	1230312.6	S 85°47'51" E	149.83	-
2.0	DR2-2	200+00.00	949396.3	1230043.7	N 358°76'67" E	96.24	-
2.1	DR2-2	200+96.24	949398.6	1230139.9	N 356°55'30" E	-	-
2.2	DR2-3	202+33.89	949391.2	1230277.7	N 345°45'45" E	25.70	-
2.3	DR2-3	202+59.59	949384.8	1230303.1	N 356°29'43" E	49.49	-
2.4	DR2-3	203+09.08	949381.8	1230352.4	-	-	-

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_DR_003.dgn
TIME	12:47:58 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SARAH M HANSEN STATE OF WASHINGTON 46367 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

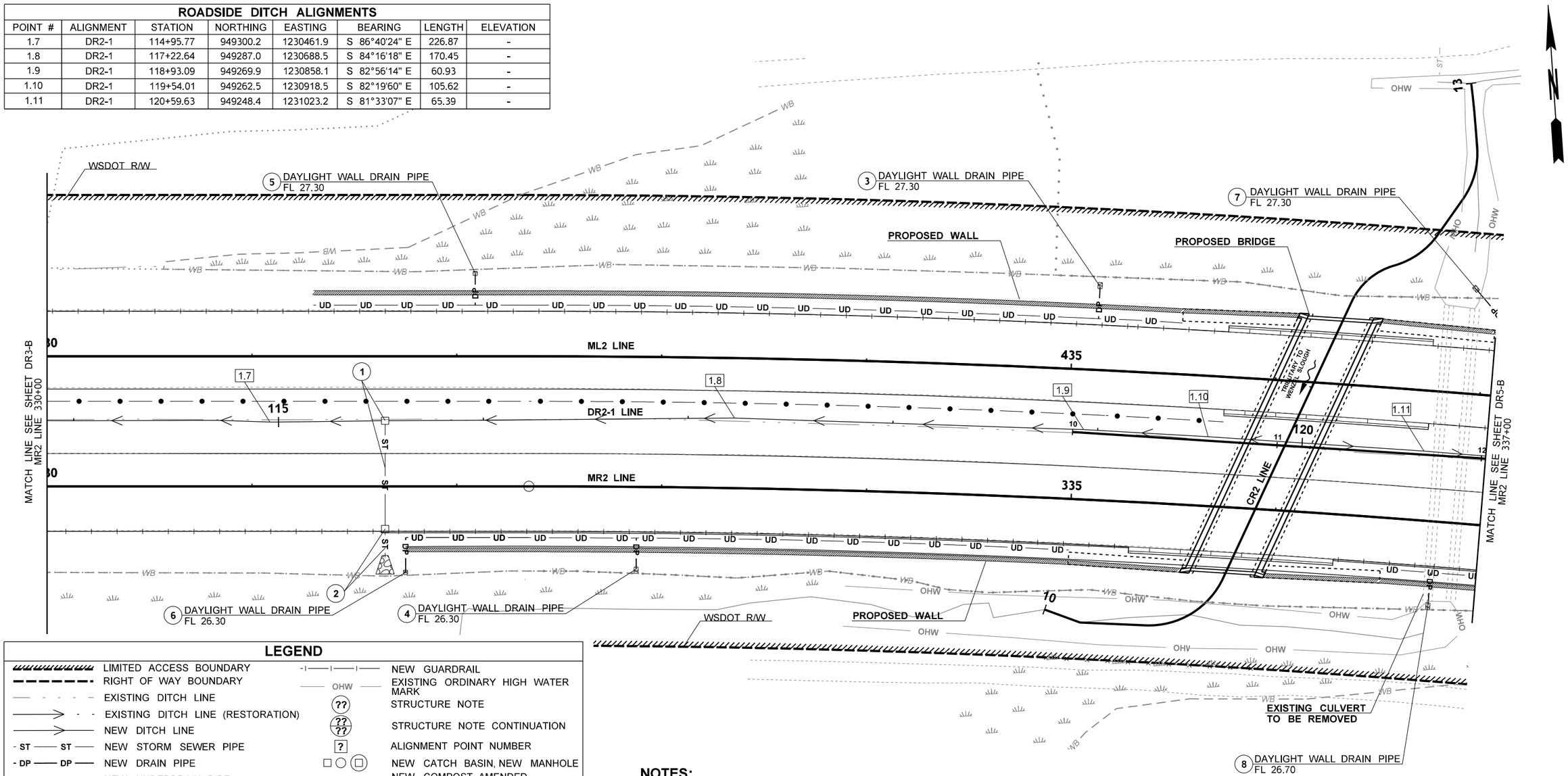
PLAN REF NO
DR3-B

SHEET 402 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_DR_003.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.7	DR2-1	114+95.77	949300.2	1230461.9	S 86°40'24" E	226.87	-
1.8	DR2-1	117+22.64	949287.0	1230688.5	S 84°16'18" E	170.45	-
1.9	DR2-1	118+93.09	949269.9	1230858.1	S 82°56'14" E	60.93	-
1.10	DR2-1	119+54.01	949262.5	1230918.5	S 82°19'60" E	105.62	-
1.11	DR2-1	120+59.63	949248.4	1231023.2	S 81°33'07" E	65.39	-



LEGEND

LIMITED ACCESS BOUNDARY	NEW GUARDRAIL
RIGHT OF WAY BOUNDARY	EXISTING ORDINARY HIGH WATER MARK
EXISTING DITCH LINE	STRUCTURE NOTE
EXISTING DITCH LINE (RESTORATION)	STRUCTURE NOTE CONTINUATION
NEW DITCH LINE	ALIGNMENT POINT NUMBER
NEW STORM SEWER PIPE	NEW CATCH BASIN, NEW MANHOLE
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NEW FENCE	
PAVING LIMITS	
NEW CABLE BARRIER	

NOTES:

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0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_DR_004.dgn
TIME	12:48:02 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

SARAH M. HANSEN, STATE OF WASHINGTON, 46367, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

P.E. STAMP BOX
DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

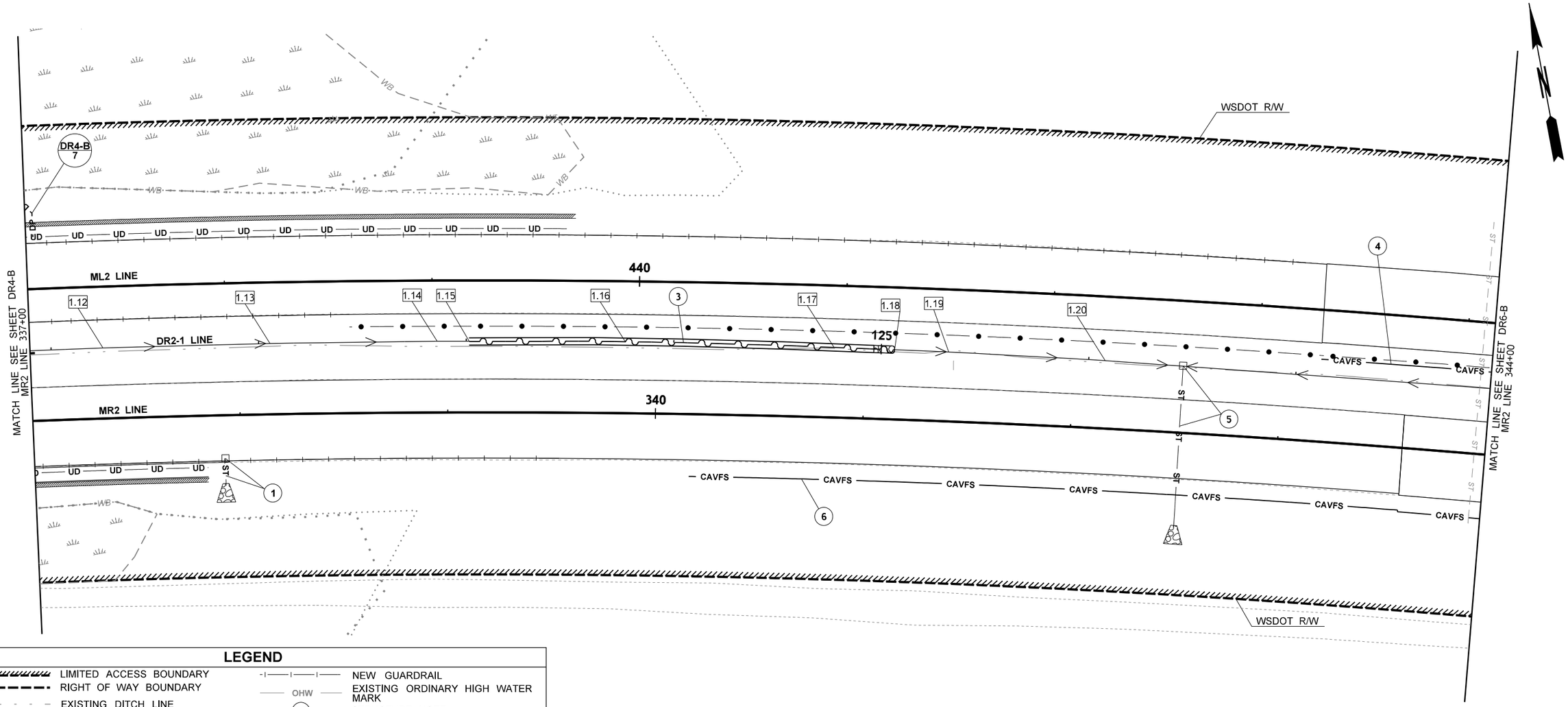
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR4-B

SHEET 403 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_DR_004.dgn



LEGEND

LIMITED ACCESS BOUNDARY	NEW GUARDRAIL
RIGHT OF WAY BOUNDARY	EXISTING ORDINARY HIGH WATER MARK
EXISTING DITCH LINE	STRUCTURE NOTE
EXISTING DITCH LINE (RESTORATION)	STRUCTURE NOTE CONTINUATION
NEW DITCH LINE	ALIGNMENT POINT NUMBER
NEW STORM SEWER PIPE	NEW CATCH BASIN, NEW MANHOLE
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EXISTING WETLAND	
NEW FENCE	
PAVING LIMITS	
NEW CABLE BARRIER	

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ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.12	DR2-1	121+25.02	949238.8	1231087.9	S 80°50'04" E	80.48	-
1.13	DR2-1	122+05.50	949225.9	1231167.3	S 80°03'40" E	80.48	-
1.14	DR2-1	122+85.98	949212.1	1231246.6	S 79°15'57" E	15.40	-
1.15	DR2-1	123+01.38	949209.2	1231261.7	S 79°08'11" E	75.24	38.58
1.16	DR2-1	123+76.52	949195.2	1231335.6	S 77°43'50" E	100.60	-
1.17	DR2-1	124+77.12	949173.8	1231433.8	S 76°52'19" E	55.33	-
1.18	DR2-1	125+06.38	949167.2	1231462.3	S 76°52'19" E	26.06	34.39
1.19	DR2-1	125+32.45	949161.3	1231487.8	S 76°11'21" E	75.44	-
1.20	DR2-1	126+07.89	949143.3	1231561.0	S 75°08'40" E	194.97	-

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_DR_005.dgn
TIME	12:48:07 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522
CONTRACT NO. XL6115
LOCATION NO.

SEAL: SARAH M. HANSEN, STATE OF WASHINGTON, 46367, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO
DR5-B

SHEET 404 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_DR_005.dgn

LEGEND

LIMITED ACCESS BOUNDARY	NEW GUARDRAIL
RIGHT OF WAY BOUNDARY	EXISTING ORDINARY HIGH WATER MARK
EXISTING DITCH LINE	STRUCTURE NOTE
EXISTING DITCH LINE (RESTORATION)	STRUCTURE NOTE CONTINUATION
NEW DITCH LINE	ALIGNMENT POINT NUMBER
NEW STORM SEWER PIPE	NEW CATCH BASIN, NEW MANHOLE
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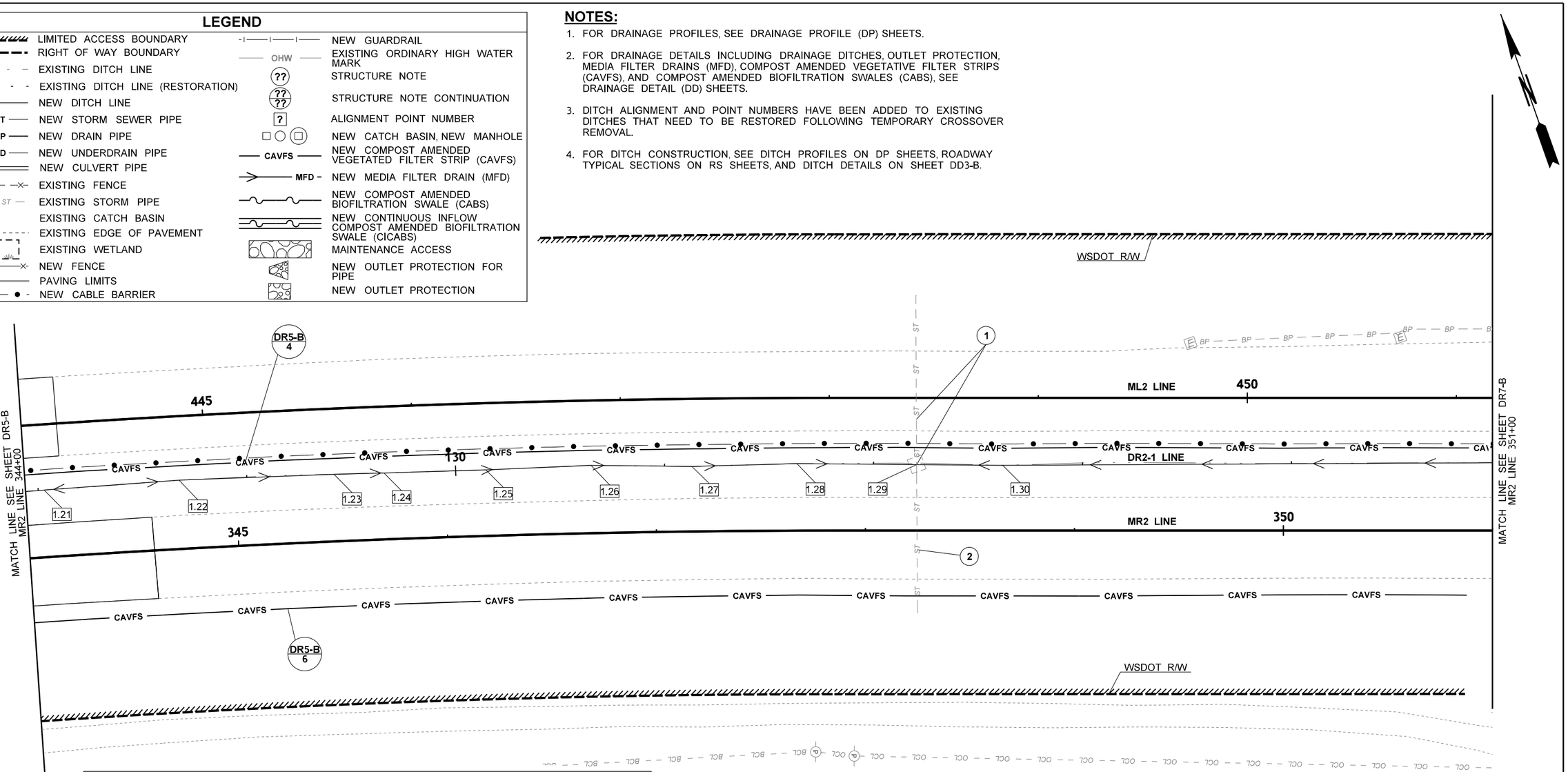
2. FOR DRAINAGE DETAILS INCLUDING DRAINAGE DITCHES, OUTLET PROTECTION, MEDIA FILTER DRAINS (MFD), COMPOST AMENDED VEGETATIVE FILTER STRIPS (CAVFS), AND COMPOST AMENDED BIOFILTRATION SWALES (CABS), SEE DRAINAGE DETAIL (DD) SHEETS.
3. DITCH ALIGNMENT AND POINT NUMBERS HAVE BEEN ADDED TO EXISTING DITCHES THAT NEED TO BE RESTORED FOLLOWING TEMPORARY CROSSOVER REMOVAL.
4. FOR DITCH CONSTRUCTION, SEE DITCH PROFILES ON DP SHEETS, ROADWAY TYPICAL SECTIONS ON RS SHEETS, AND DITCH DETAILS ON SHEET DD3-B.



ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.21	DR2-1	128+02.85	949093.3	1231749.5	S 74°44'18" E	64.73	-
1.22	DR2-1	128+67.58	949076.3	1231811.9	S 72°43'40" E	74.19	34.11
1.23	DR2-1	129+41.77	949054.2	1231882.8	S 72°01'32" E	23.93	-
1.24	DR2-1	129+65.70	949046.8	1231905.5	S 72°20'01" E	48.71	-
1.25	DR2-1	130+14.41	949032.1	1231951.9	S 72°58'34" E	50.39	-
1.26	DR2-1	130+64.80	949017.3	1232000.1	S 69°56'10" E	48.32	-
1.27	DR2-1	131+13.12	949000.7	1232045.5	S 72°04'24" E	50.26	-
1.28	DR2-1	131+63.38	948985.3	1232093.3	S 70°05'16" E	57.25	-
1.29	DR2-1	132+32.44	948965.7	1232147.1	S 70°05'16" E	41.21	32.49
1.30	DR2-1	132+61.83	948951.7	1232185.9	S 70°50'48" E	260.50	33.20

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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PLOTTED BY	Fts
DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR6-B

SHEET 405 OF 1241 SHEETS

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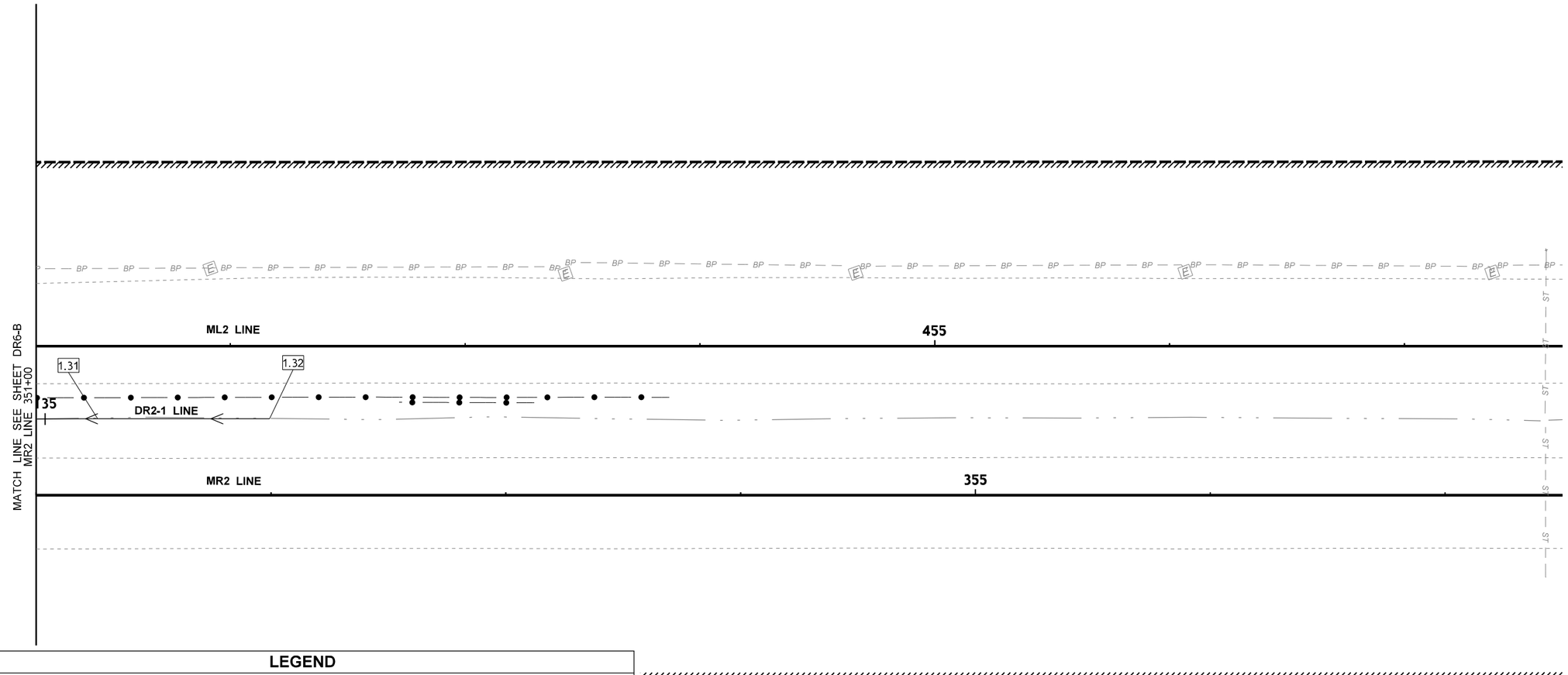
ROADSIDE DITCH ALIGNMENTS							
POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.31	DR2-1	135+22.33	948866.3	1232432.0	S 70°32'52" E	73.30	-
1.32	DR2-1	135+95.57	948841.9	1232501.0	-	-	34.28



LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
- EXISTING DITCH LINE
- EXISTING DITCH LINE (RESTORATION)
- NEW DITCH LINE
- ST — ST — NEW STORM SEWER PIPE
- DP — DP — NEW DRAIN PIPE
- UD — UD — NEW UNDERDRAIN PIPE
- NEW CULVERT PIPE
- EXISTING FENCE
- ST — ST — EXISTING STORM PIPE
- EXISTING CATCH BASIN
- EXISTING EDGE OF PAVEMENT
- WB — EXISTING WETLAND
- NEW FENCE
- PAVING LIMITS
- NEW CABLE BARRIER
- NEW GUARDRAIL
- OHW — EXISTING ORDINARY HIGH WATER MARK
- ?? — STRUCTURE NOTE
- ?? ?? — STRUCTURE NOTE CONTINUATION
- ? — ALIGNMENT POINT NUMBER
- NEW CATCH BASIN, NEW MANHOLE
- CAVFS — NEW COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)
- MFD — NEW MEDIA FILTER DRAIN (MFD)
- NEW COMPOST AMENDED BIOFILTRATION SWALE (CABS)
- NEW CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS)
- MAINTENANCE ACCESS
- NEW OUTLET PROTECTION FOR PIPE
- NEW OUTLET PROTECTION

NOTES:

1. FOR DRAINAGE PROFILES, SEE DRAINAGE PROFILE (DP) SHEETS.
2. FOR DRAINAGE DETAILS INCLUDING DRAINAGE DITCHES, OUTLET PROTECTION, MEDIA FILTER DRAINS (MFD), COMPOST AMENDED VEGETATIVE FILTER STRIPS (CAVFS), AND COMPOST AMENDED BIOFILTRATION SWALES (CABS), SEE DRAINAGE DETAIL (DD) SHEETS.
3. DITCH ALIGNMENT AND POINT NUMBERS HAVE BEEN ADDED TO EXISTING DITCHES THAT NEED TO BE RESTORED FOLLOWING TEMPORARY CROSSOVER REMOVAL.
4. FOR DITCH CONSTRUCTION, SEE DITCH PROFILES ON DP SHEETS, ROADWAY TYPICAL SECTIONS ON RS SHEETS, AND DITCH DETAILS ON SHEET DD3-B.

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SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR7-B

SHEET 406 OF 1241 SHEETS

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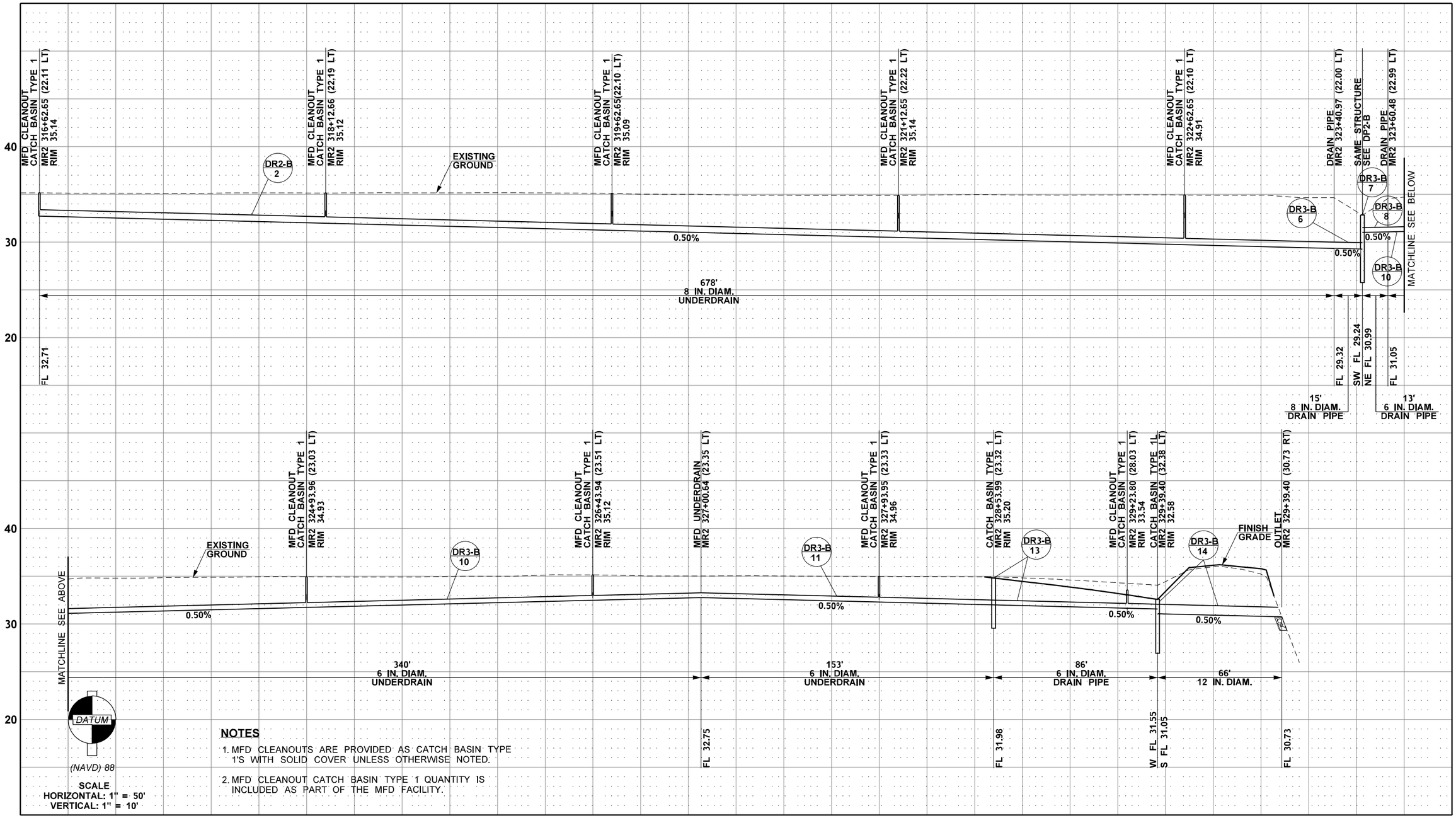

NOTES

1. MFD CLEANOUTS ARE PROVIDED AS CATCH BASIN TYPE 1'S WITH SOLID COVER UNLESS OTHERWISE NOTED.
2. MFD CLEANOUT CATCH BASIN TYPE 1 QUANTITY IS INCLUDED AS PART OF THE MFD FACILITY.

SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PROFILE

PLAN REF. NO. DP1-B

SHEET 407 OF 1241 SHEETS

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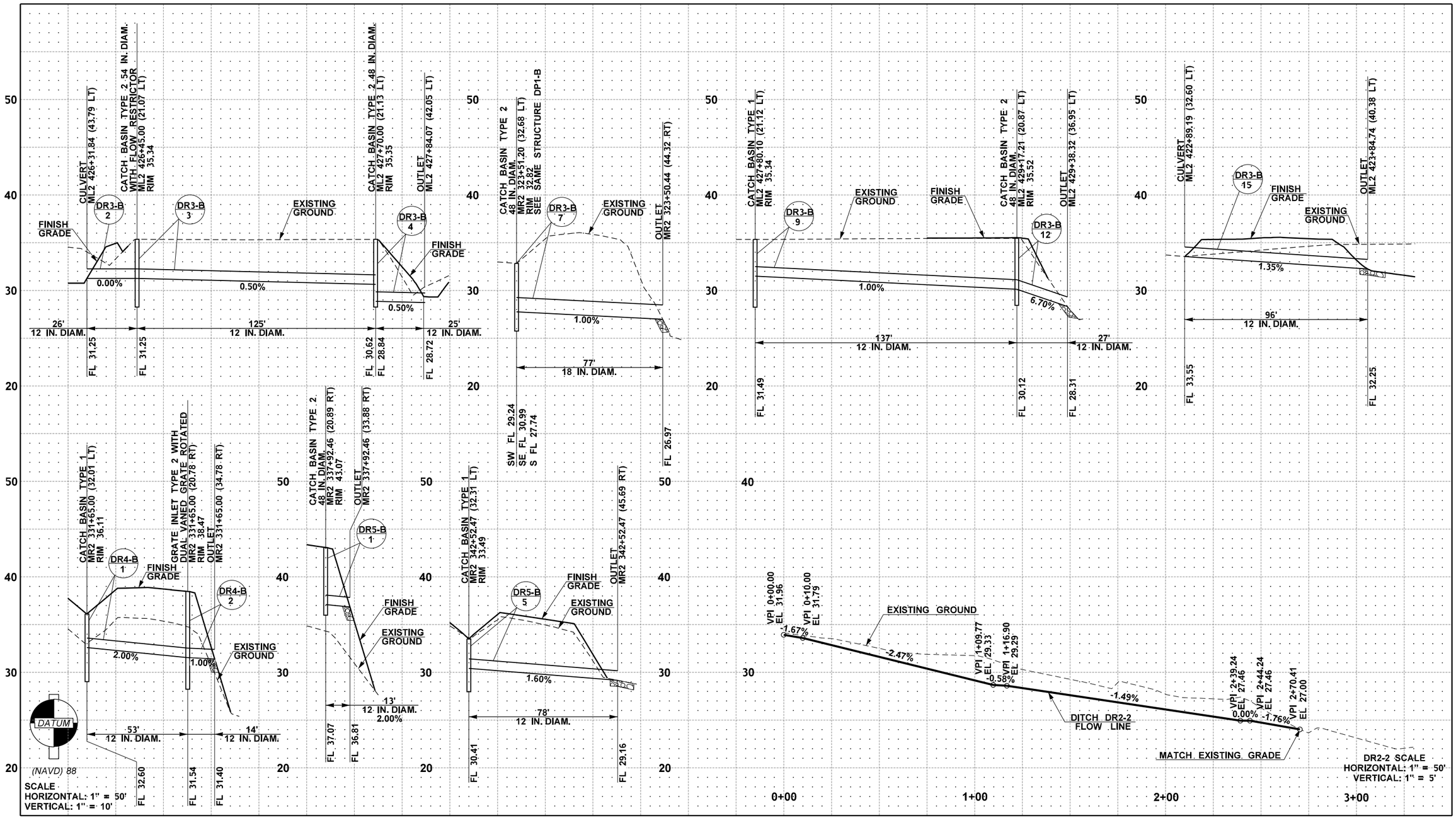

DR2-2 LINE

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CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PROFILE

PLAN REF. NO. DP2-B

SHEET 408 OF 1241 SHEETS

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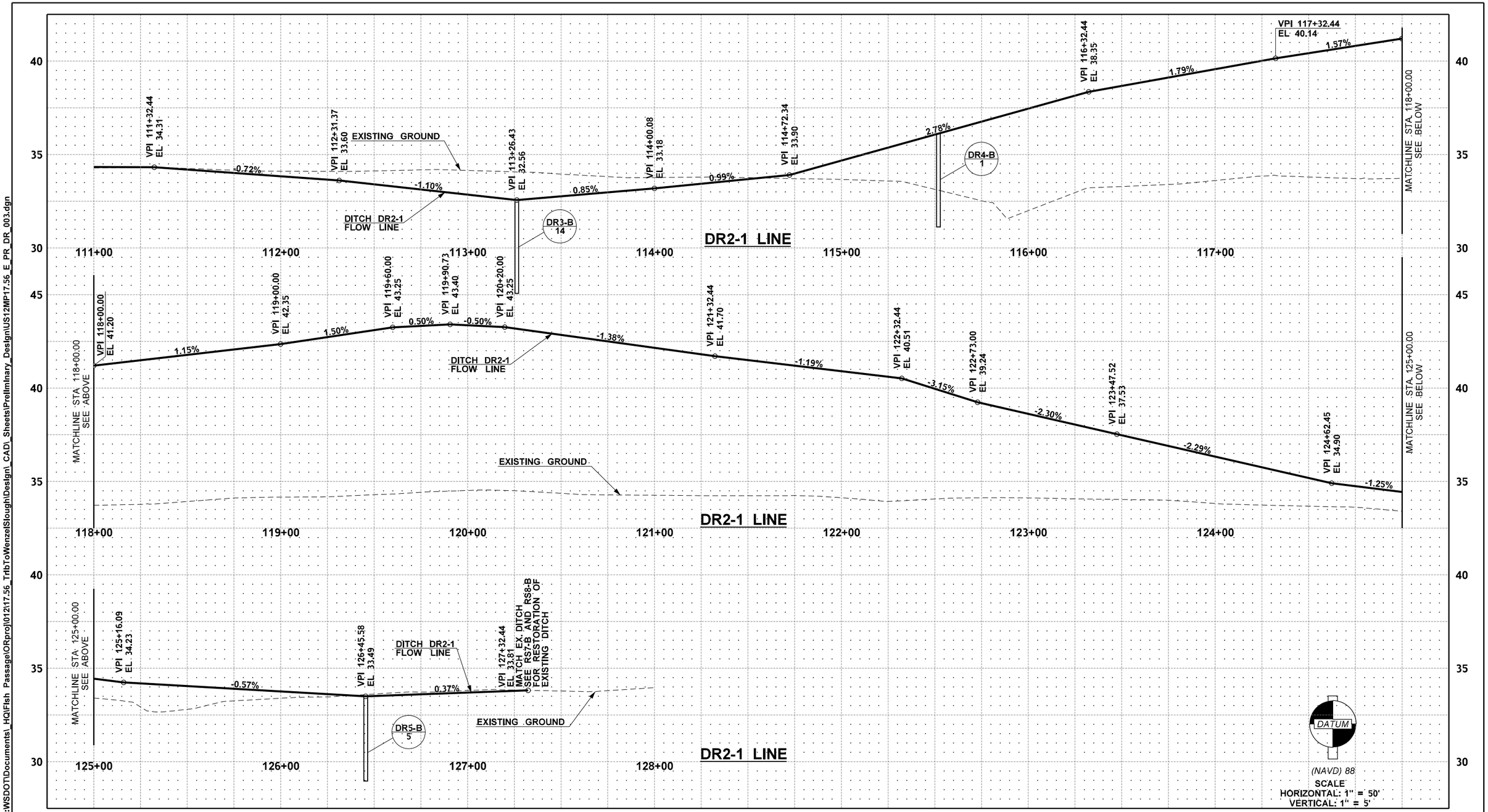

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REVISION | DATE | BY

REGION NO.	STATE
10	WASH

JOB NUMBER 21C522

CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PROFILE

PLAN REF. NO.
DP3-B

SHEET 409 OF 1241 SHEETS

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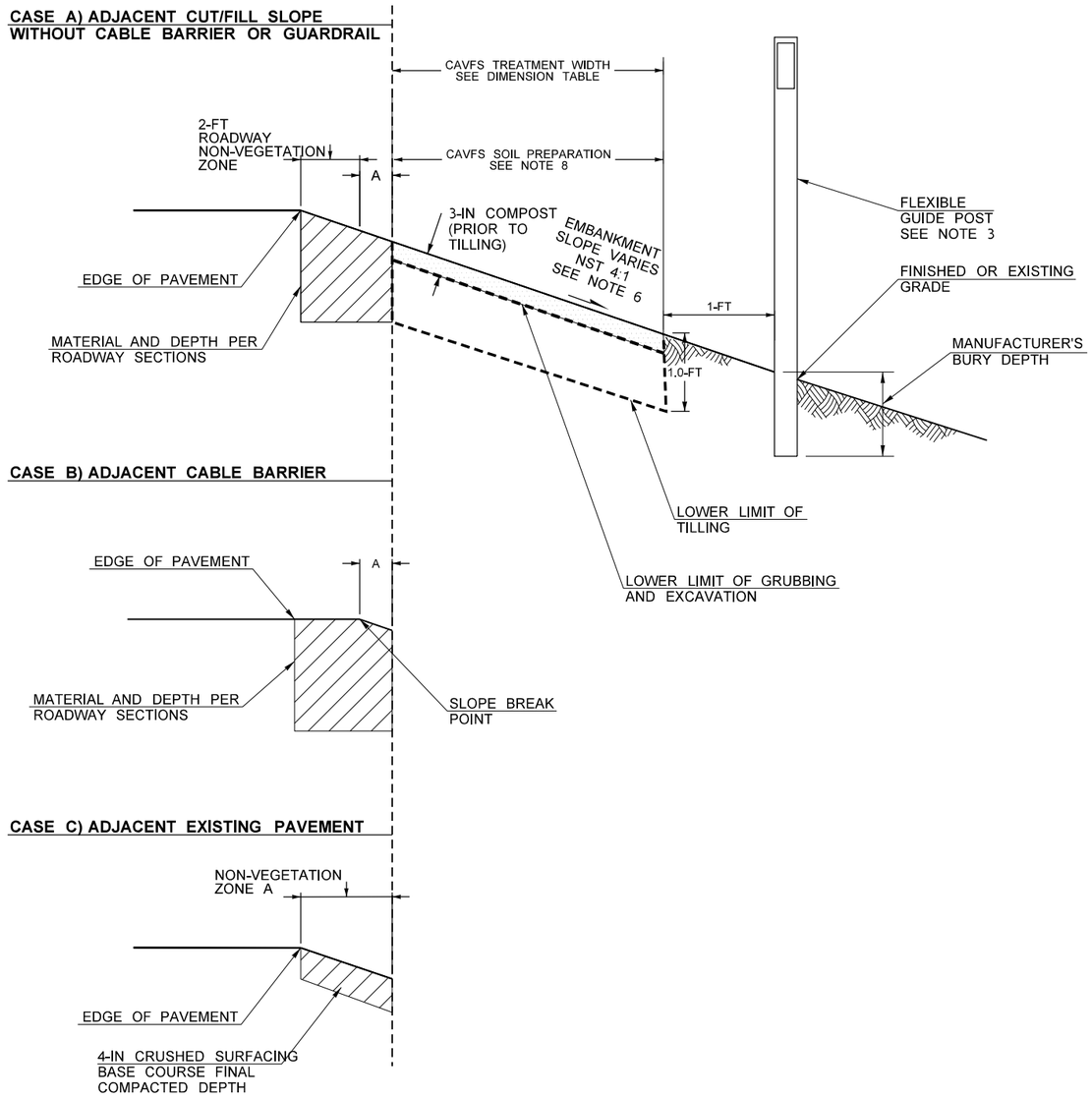

SECTION VIEW

NOT TO SCALE

CAVFS DIMENSION TABLE					
STRUCTURE CODE	LOCATION	LENGTH	TREATMENT WIDTH	EMBANKMENT SLOPE FOR CAVFS	"A" CAVFS SPREADER WIDTH
		FEET	FEET	Z:1	FEET
DR2-B-1	ML2 419+98.11 (RT) TO ML2 428+55.48 (RT)	857	6.0	VARIES	0
DR5-B-4	ML2 443+30.38 (RT) TO ML2 451+15.38 (RT)	783	5.0	VARIES	0
DR5-B-6	MR2 340+16.54 (RT) TO MR2 350+87.74 (RT)	1067	5.0	4:1	0 (CASE A) 3 (CASE C)

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. FOR LOCATION OF COMPOST AMENDED VEGETATED FILTER STRIPS (CAVFS), SEE DRAINAGE SHEETS DR2-B TO DR6-B.
3. INSTALL PLASTIC DRAINAGE MARKERS AND FLEXIBLE GUIDE POSTS IN ACCORDANCE WITH STANDARD PLAN M-24.65/ M-24.66, SEE MK SHEETS.
4. FOR BEGIN AND END STATIONS FOR PLACEMENT OF GUIDE POST, SEE CAVFS DIMENSION TABLE. INTERMEDIATE STATIONS NOT TO EXCEED 500-FT.
5. SEED CAVFS PER SPECIFICATION SECTION 8-01.3(2) AND RR SHEETS.
6. FOR FINISHED EMBANKMENT SLOPE ON PROPOSED ROADWAY, SEE ROADWAY SECTION (RS) AND PAVING DETAIL (PVD) SHEETS. FOR EXISTING EMBANKMENT, INSTALL CAVFS ON EXISTING EMBANKMENT SLOPES - NOT TO EXCEED 3:1.
7. FOR INSTALLATION SEQUENCE OF CAVFS, SEE SITE PREPARATION AND TESC PLAN (SP) SHEETS.
8. COMPOST SHALL BE TILLED INTO SOIL IN ACCORDANCE WITH SECTION "CAVFS SOIL PREPARATION" OF THE SPECIAL PROVISIONS.
9. FOR LOCATIONS OF SLOPE BREAK POINTS ALONG CABLE BARRIER, SEE ROADWAY SECTIONS.
10. SPREADER MATERIAL IS INCLUDED IN THE ROADWAY SUBBASE QUANTITIES WHERE NEW FULL DEPTH PAVEMENT SECTION OR CABLE BARRIER INSTALLATION IS PROPOSED.

COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)

US 12 MP 17.56 UNNAMED
TRIBUTARY TO WENZEL SLOUGH

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CHECKED BY	L. THOMSEN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

OSBORN CONSULTING

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD1-B

SHEET 410 OF 1241 SHEETS

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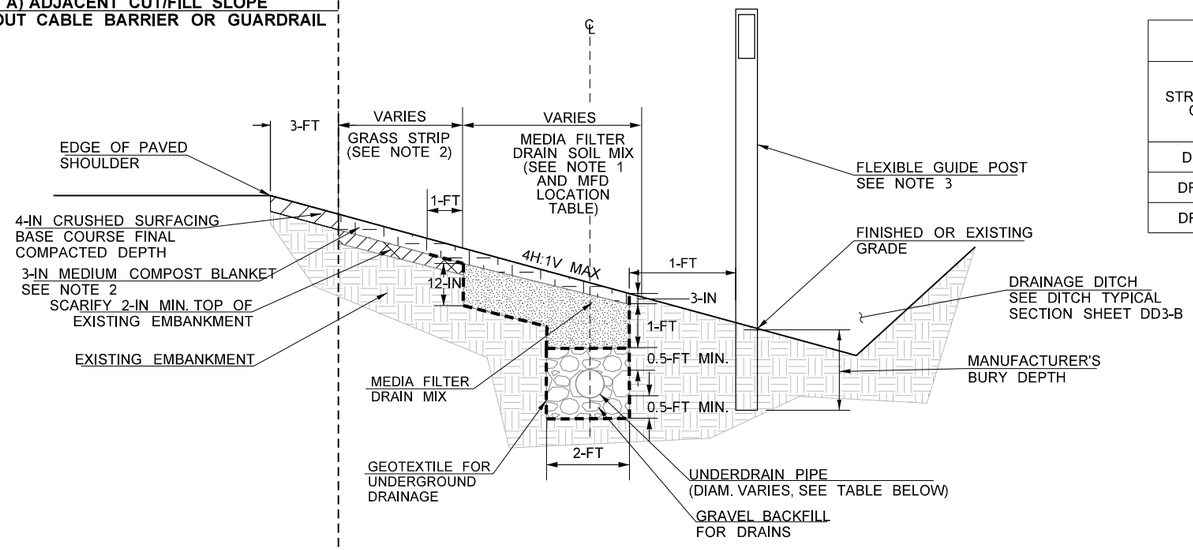
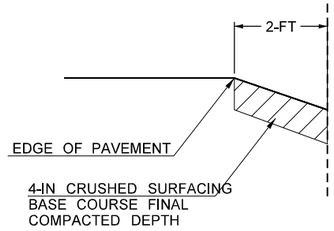
CASE A) ADJACENT CUT/FILL SLOPE WITHOUT CABLE BARRIER OR GUARDRAIL



CASE B) ADJACENT EXISTING PAVEMENT



MFD LOCATION TABLE

STRUCTURE CODE	MFD TYPE	LOCATION	LENGTH	MEDIA FILTER DRAIN SOIL MIX WIDTH	UNDER-DRAIN DIAM.	GRASS STRIP
			FEET	FEET	INCHES	FEET
DR2-B-2	1	MR2 316+62.65 (22.1 LT) TO MR2 323+40.97 (22.0 LT)	678	2	8	3
DR3-B-10	1	MR2 323+60.48 (23.0 LT) TO MR2 327+00.64 (23.4 LT)	340	2	6	3
DR3-B-11	1	MR2 327+00.64 (23.4 LT) TO MR2 328+53.99 (23.3 LT)	153	2	6	3

NOTES:

1. MEDIA FILTER DRAIN SOIL MIX SHALL BE PLACED IN ACCORDANCE WITH SECTION "MEDIA FILTER DRAIN SOIL MIX" OF THE SPECIAL PROVISIONS.
2. SEE ROADSIDE RESTORATION PLANS FOR SEEDING.
3. INSTALL PLASTIC DRAINAGE MARKERS AND FLEXIBLE GUIDE POSTS IN ACCORDANCE WITH STANDARD PLAN M-24.65 AND M-24.66, SEE MK SHEETS.
4. FOR BEGIN AND END STATIONS FOR PLACEMENT OF GUIDE POST, SEE MFD LOCATION TABLE. INTERMEDIATE STATIONS NOT TO EXCEED 500-FT.
5. FOR FINISHED EMBANKMENT SLOPE , SEE ROADWAY SECTION (RS) AND PAVING DETAIL (PVD) SHEETS. FOR EXISTING EMBANKMENT, INSTALL MFD ON EXISTING EMBANKMENT SLOPES - NOT TO EXCEED 4:1.
6. FOR INSTALLATION SEQUENCE OF MFDS, SEE SITE PREPARATION AND TESC PLAN (SP) SHEETS.
7. SEE DRAINAGE PLANS FOR REGRADED DRAINAGE PATTERN FOR CENTER MEDIAN
8. SEE DRAINAGE PROFILES FOR MFD UNDERDRAIN SLOPES AND CB TYPE 1 STRUCTURES FOR UNDERDRAIN CLEANOUT.
9. SPREADER MATERIAL IS INCLUDED IN THE ROADWAY SUBBASE QUANTITIES WHERE NEW FULL DEPTH PAVEMENT SECTION OR CABLE BARRIER INSTALLATION IS PROPOSED.

MEDIA FILTER DRAIN TYPE 1

SIDE SLOPE APPLICATION WITH UNDERDRAIN
NOT TO SCALE

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

OSBORN CONSULTING

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD2-B

SHEET 411 OF 1241 SHEETS

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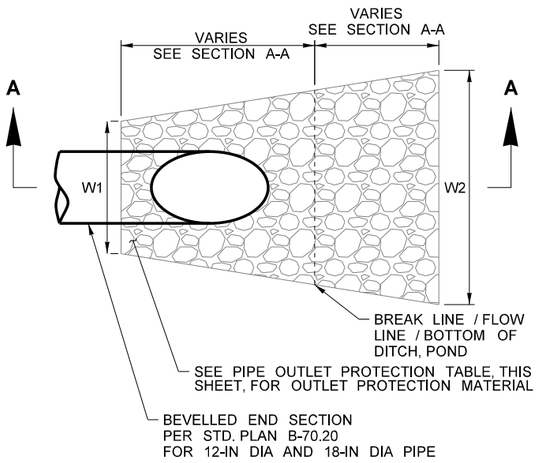
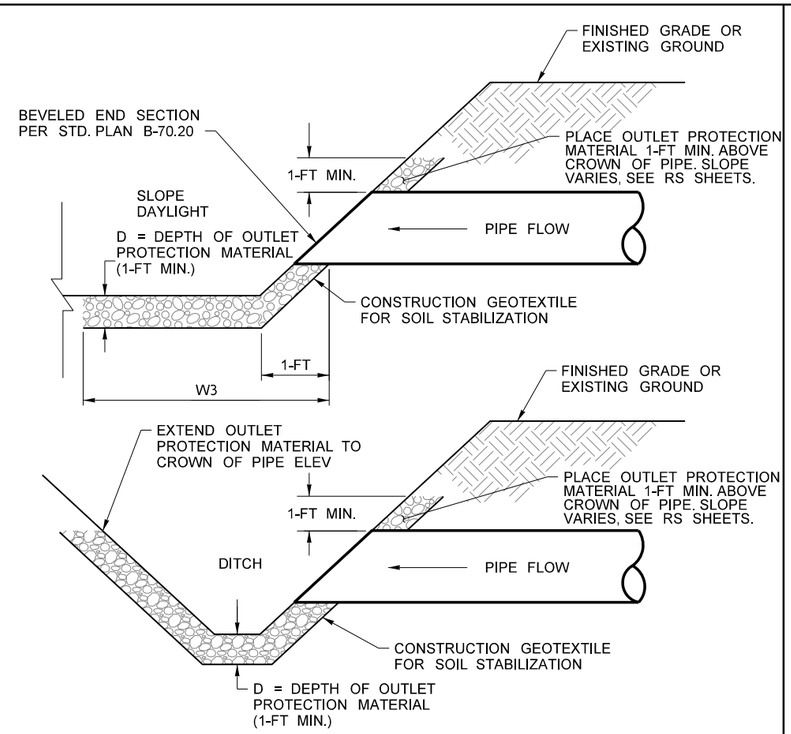


NOTES:

QUARRY SPALLS SHALL BE PER WSDOT STANDARD SPECIFICATION SECTION 9-13.1(5). ROCK FOR EROSION AND SCOUR PROTECTION CLASS A AND CLASS B SHALL BE PER WSDOT STANDARD SPECIFICATION SECTION 9-13.4.

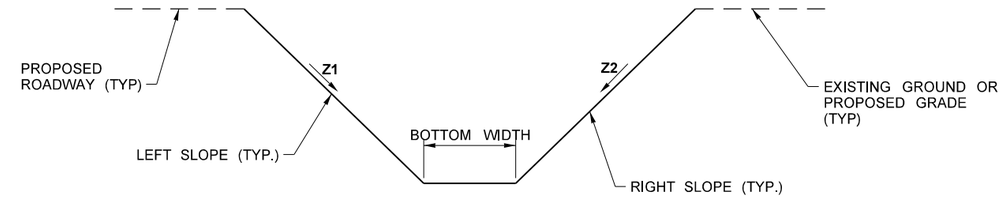


SECTION A-A

OUTLET PROTECTION						
STR NO	PIPE DIAM.	W1	W2	W3	D	OUTLET PROTECTION MATERIAL
	INCHES	FEET	FEET	FEET	FEET	
DR3-B-7	18	4.5	12.5	12	2.25	QUARRY SPALLS
DR3-B-12	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR3-B-14	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR3-B-15	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR3-B-16	-	6.0	6.0	10.0	1.5	QUARRY SPALLS
DR4-B-2	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR4-B-3	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR4-B-4	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR4-B-5	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR4-B-6	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR4-B-7	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR4-B-8	6	2.0	2.0	3.0	1.0	QUARRY SPALLS
DR5-B-1	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR5-B-5	12	3.0	9.0	9.0	1.5	QUARRY SPALLS

OUTLET PROTECTION

NOT TO SCALE



NOTES:

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

DITCH TABLE					
DRAINAGE SHEET	DITCH ALIGNMENT	DITCH LOCATION	BOTTOM WIDTH	LEFT SLOPE	RIGHT SLOPE
			FEET	Z1	Z2
DR2-B	DR2-1	DR2-1 102+27 TO 107+38	0.00	8:1	10:1
DR2-B TO DR3-B	DR2-1	DR2-1 107+38 TO 110+32	0.00	7.5:1	9:1
DR3-B	DR2-1	DR2-1 110+32 TO 113+77	0.00	7:1	8:1
DR3-B	DR2-1	DR2-1 113+77 TO 115+52	0.00	7.5:1	8:1
DR3-B TO DR4-B	DR2-1	DR2-1 115+52 TO 119+99	5.00	4:1	4:1
DR4-B	DR2-1	DR2-1 119+99 TO 126+48	2.00	5.5:1	5.5:1
DR4-B TO DR5-D	DR2-1	DR2-1 126+48 TO 128+32	2.00	5:1	5:1
DR5-B TO DR6-B	DR2-1	DR2-1 128+32 TO 132+21	1.00	8:1	8:1
DR6-B	DR2-1	DR2-1 132+21 TO 135+96	0.00	8:1	11:1
DR3-B	DR2-2	DR2-2 200+10 TO 201+06	0.00	3:1	3:1
DR3-B	DR2-2	DR2-2 202+44 TO 203+20	2.00	5:1	2:1

DITCH TYPICAL SECTION

NOT TO SCALE

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD3-B

SHEET 412 OF 1241 SHEETS

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DESIGNED BY	S. HANSEN
ENTERED BY	J. NGO
CHECKED BY	J. ST. JOHN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

SEE SHEET CT1

P.E. STAMP BOX | DATE

P.E. STAMP BOX | DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

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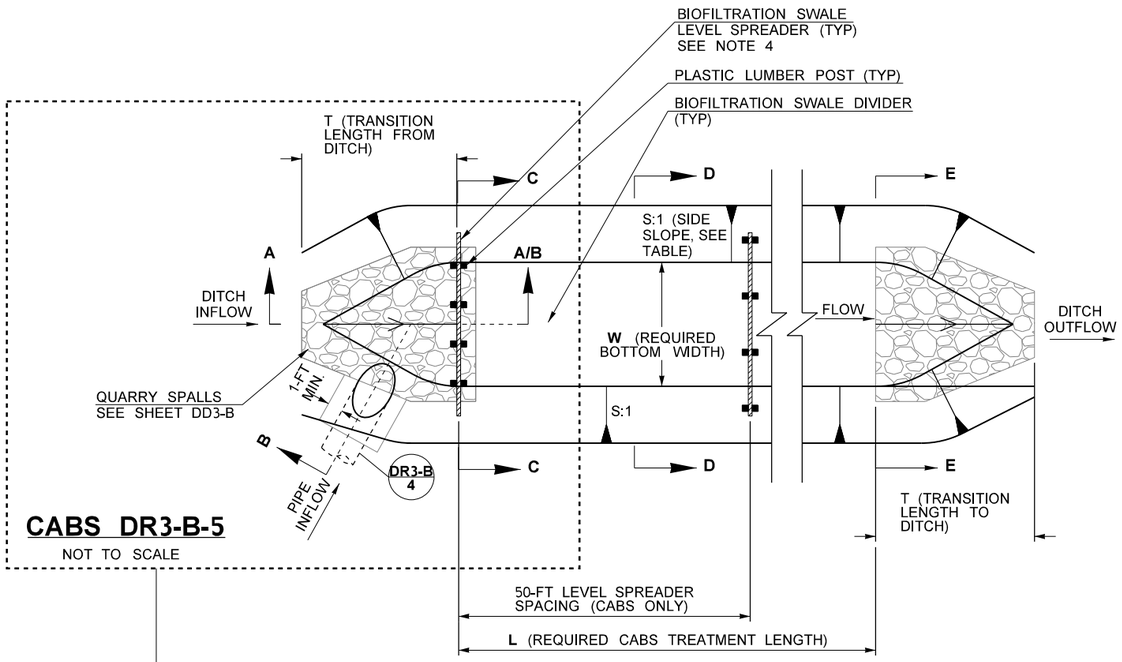
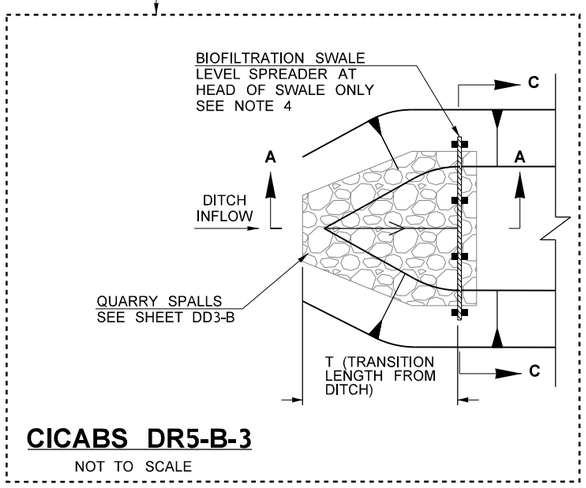


CABS DR3-B-5

NOT TO SCALE



CICABS DR5-B-3

NOT TO SCALE

CABS/ CICABS TABLE						
ID	BMP TYPE	W (FT)	L (FT)	H (FT)	S	T
DR3-B-5	CABS	7	123	1.10	3	10
DR5-B-3	CICABS	3.5	208	1.10	4	10

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. FOR LOCATION OF CABS AND CICABS, SEE DRAINAGE PLAN SHEETS DR3-B AND DR5-B. SEE DITCH ALIGNMENTS FOR BIOFILTRATION SWALE CENTERLINES.
3. FOR BIOFILTRATION SWALE LEVEL SPREADER AND BIOFILTRATION SWALE DIVIDER, SEE SPECIAL PROVISIONS.
4. INSTALL BIOFILTRATION LEVEL SPREADERS LEVEL AND PERPENDICULAR TO THE CENTERLINE OF THE SWALE.
5. INSTALL PLASTIC DRAINAGE MARKERS AND FLEXIBLE GUIDE POSTS IN ACCORDANCE WITH STANDARD PLAN M-24.65/ M-24.66, SEE MK SHEETS.
6. SEED CABS AND CICABS PER SPECIFICATION SECTION 8-01.3(2)B AND RR SHEETS.
7. SEE DD5-B AND DD6-B FOR ADDITIONAL DETAILS.

COMPOST AMENDED BIOFILTRATION SWALE (CABS) AND CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS)

DR3-B 5 DR5-B 3

NOT TO SCALE

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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ENTERED BY	J. GLOVATCHI
CHECKED BY	L. THOMSEN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER 21C522 | CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

SEE SHEET CT1 DATE — P.E. STAMP BOX

SEE SHEET CT1 DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
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REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD4-B

SHEET 413 OF 1241 SHEETS

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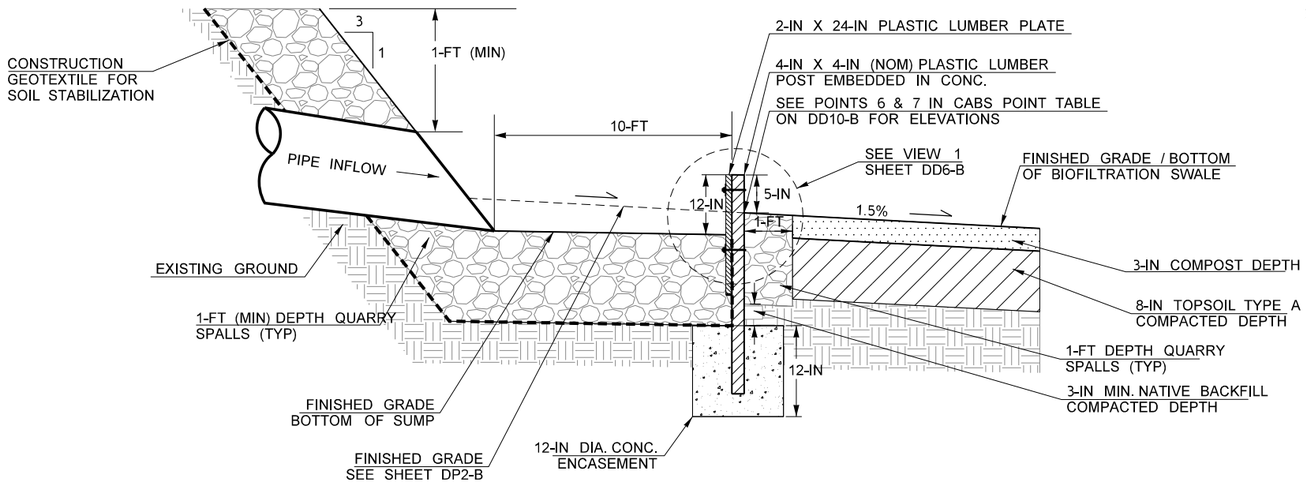
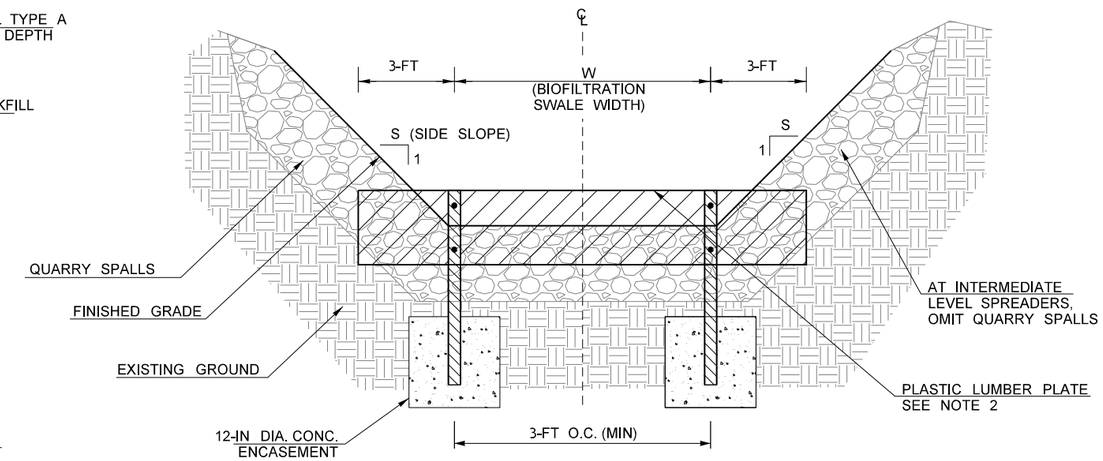
NOTES:

1. CICABS EXCAVATION FROM EXISTING GROUND TO FINISHED GRADE IS INCLUDED IN ROADWAY EXCAVATION INCL. HAUL QUANTITIES. EXCAVATION BELOW FINISHED GRADE IS INCLUDED AS DITCH EXCAVATION INCL. HAUL.
2. CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION PER STANDARD SPECIFICATION 9-33.2(1), TABLE 3, NON-WOVEN.
3. PLASTIC LUMBER PLATE SHALL BE INSTALLED LEVEL AND PERPENDICULAR TO THE SWALE CENTERLINE.



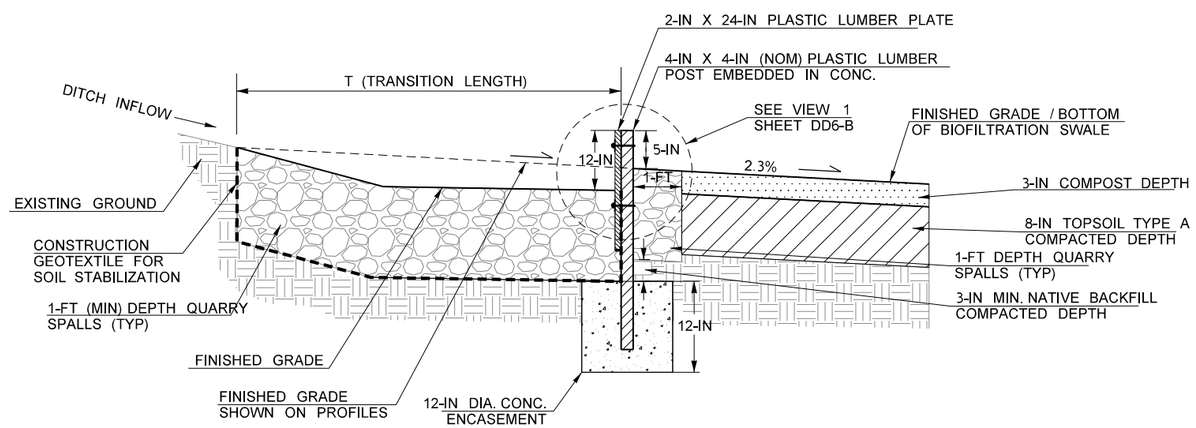
SECTION B-B SHEET DD4-B (CABS)

NOT TO SCALE



SECTION C-C SHEET DD4-B (CABS, CICABS)

NOT TO SCALE



SECTION A-A SHEET DD4-B (CICABS)

NOT TO SCALE

COMPOST AMENDED BIOFILTRATION SWALE (CABS) AND CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS) SECTION VIEW

DR3-B 5 | DR5-B 3

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REGIONAL ADM.	S. ROARK

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REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC. | OSBORN CONSULTING INCORPORATED

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD5-B

SHEET 414 OF 1241 SHEETS

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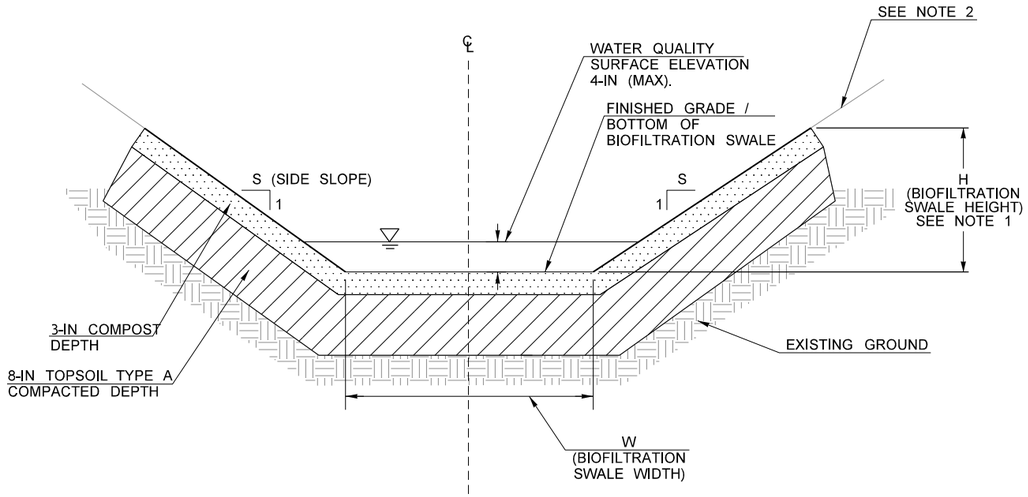
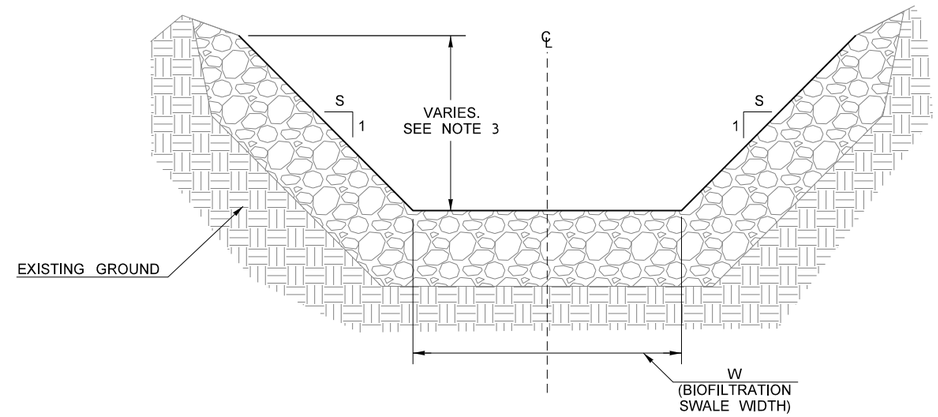
NOTES:

1. EXTEND COMPOST AND TOPSOIL FROM THE BOTTOM OF THE BIOFILTRATION SWALE ONTO THE SIDE SLOPES UP TO THE BIOFILTRATION SWALE HEIGHT NOTED IN THE TABLE ON DETAIL SHEET DD4-B.
2. CABS/ CICABS SHALL BE SEEDED FROM THE BOTTOM OF THE FACILITY UP TO THE BIOFILTRATION SWALE HEIGHT NOTED IN THE TABLE ON DETAIL SHEET DD4-B. ABOVE THIS HEIGHT, THE FINISHED GRADE ALONG THE CABS SHALL BE SEEDED WITH ROADSIDE RESTORATION MIX PER RR SHEETS.
3. QUARRY SPALLS AT BIOFILTRATION SWALE OUTLET AREA SHALL EXTEND UP TO 0.5-FT ABOVE BIOFILTRATION SWALE HEIGHT FOR CABS AND UP TO ROADWAY SUBGRADE ELEVATION FOR CICABS.



BIOFILTRATION SWALE SECTION D-D SHEET DD4-B

NOT TO SCALE



SECTION E-E SHEET DD4-B

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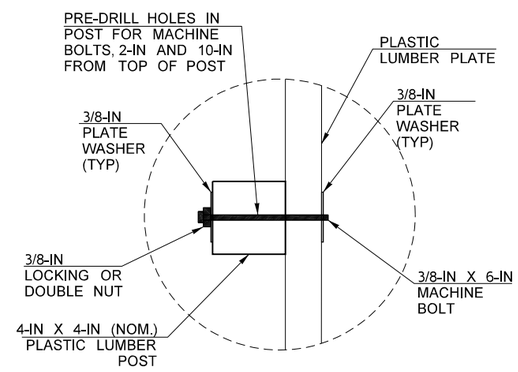

VIEW 1 PLATE INSTALLATION PLAN

NOT TO SCALE

COMPOST AMENDED BIOFILTRATION SWALE (CABS) AND CONTINUOUS INFLOW COMPOST AMENDED BIOFILTRATION SWALE (CICABS) SECTION VIEW

DR3-B 5 | DR5-B 3

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REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

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10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEAL OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

SEAL OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

OSBORN CONSULTING

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GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD6-B

SHEET 415 OF 1241 SHEETS

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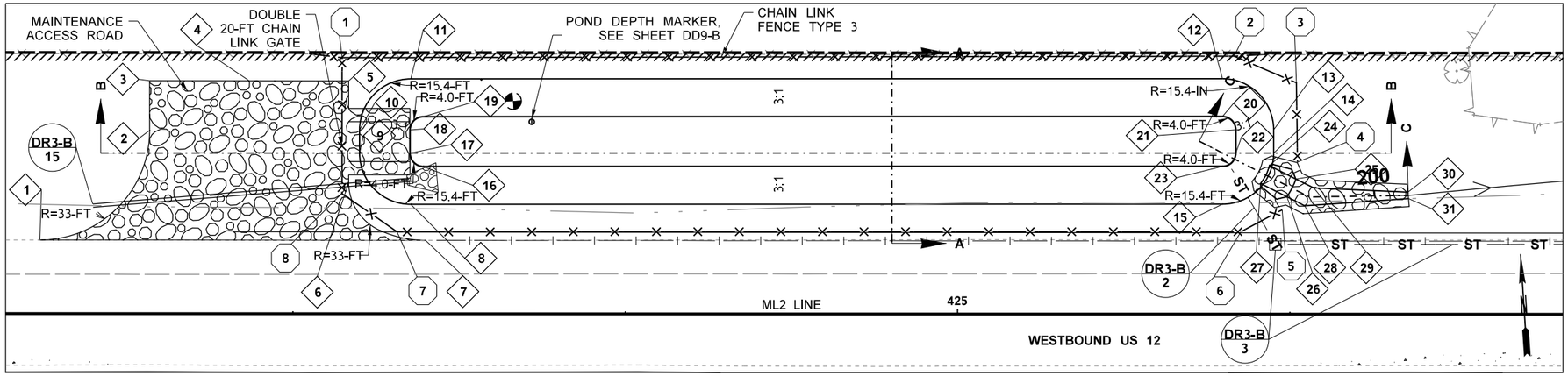

POND PLAN VIEW (DR3-B 1)

NOT TO SCALE

POND AND ACCESS ROAD POINT TABLE		
#	LOCATION	ELEVATION (FT)
1	ML2 422+73.24 (22.3 LT)	35.32
2	ML2 423+06.25 (55.3 LT)	35.32
3	ML2 423+06.24 (70.2 LT)	35.32
4	ML2 423+36.19 (70.2 LT)	35.92
5	ML2 423+66.13 (70.2 LT)	35.36
6	ML2 423+66.14 (39.5 LT)	35.36
7	ML2 423+89.25 (22.2 LT)	35.36
8	ML2 423+84.79 (33.0 LT)	34.55
9	ML2 423+69.39 (48.4 LT)	34.55
10	ML2 423+69.38 (55.4 LT)	34.55
11	ML2 423+84.78 (70.8 LT)	34.55
12	ML2 426+29.09 (71.0 LT)	34.55
13	ML2 426+44.48 (55.6 LT)	34.55
14	ML2 426+44.49 (48.6 LT)	34.55
15	ML2 426+29.09 (33.2 LT)	34.55
16	ML2 423+88.59 (44.4 LT)	30.75
17	ML2 423+84.59 (48.4 LT)	30.75
18	ML2 423+84.58 (55.4 LT)	30.75
19	ML2 423+88.58 (59.4 LT)	30.75
20	ML2 426+29.09 (59.6 LT)	30.75
21	ML2 426+33.09 (55.6 LT)	30.75
22	ML2 426+33.09 (48.6 LT)	30.75
23	ML2 426+29.09 (44.6 LT)	30.75
24	ML2 426+43.24 (44.8 LT)	34.30
25	ML2 426+51.19 (40.7 LT)	34.30
26	ML2 426+48.48 (35.4 LT)	34.30
27	ML2 426+40.53 (39.4 LT)	34.30
28	ML2 426+53.83 (32.7 LT)	32.30
29	ML2 426+56.53 (38.0 LT)	32.30
30	ML2 426+84.90 (36.8 LT)	31.79
31	ML2 426+85.08 (34.8 LT)	31.79

POND FENCE POINT TABLE	
#	LOCATION
1	ML2 423+64.16 (77.2 LT)
2	ML2 426+32.57 (77.7 LT)
3	ML2 426+51.31 (69.7 LT)
4	ML2 426+51.67 (45.8 LT)
5	ML2 426+47.07 (31.5 LT)
6	ML2 426+34.62 (24.9 LT)
7	ML2 423+80.69 (24.7 LT)
8	ML2 423+64.10 (36.3 LT)

POND DESIGN TABLE			
STRUCTURE ID	POND LIVE STORAGE BOTTOM ELEVATION	DESIGN WSEL	LIVE STORAGE VOLUME TO DESIGN WSEL
	FEET	FEET	CUBIC FEET
DR3-B-1	31.25	33.55	12,382

NOTES:

1. FOR CHAIN LINK FENCE AND GATE GENERAL NOTES, DIMENSIONS, AND DETAILS NOT SHOWN, SEE WSDOT STANDARD PLAN L-20.10 AND STANDARD PLAN L-30.10.
2. SEEDING AND RESTORATION IN ACCORDANCE WITH SPECIFICATION SECTION 8-02 ROADSIDE RESTORATION AND RR SHEETS.
3. QUARRY SPALLS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 9-13.1(5).
4. CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION, SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 9-33.2(1), TABLE 3, NON-WOVEN. SEE ON SHEET DD8-B.
5. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
6. FOR LOCATION OF THE POND, SEE DRAINAGE PLAN SHEET DR3-B.
7. SEE WSDOT STANDARD PLAN M-24.65 FOR POND BMP STICKER.

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JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

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DAVID EVANS AND ASSOCIATES INC.

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DRAINAGE DETAILS

PLAN REF NO DD7-B

SHEET 416 OF 1241 SHEETS

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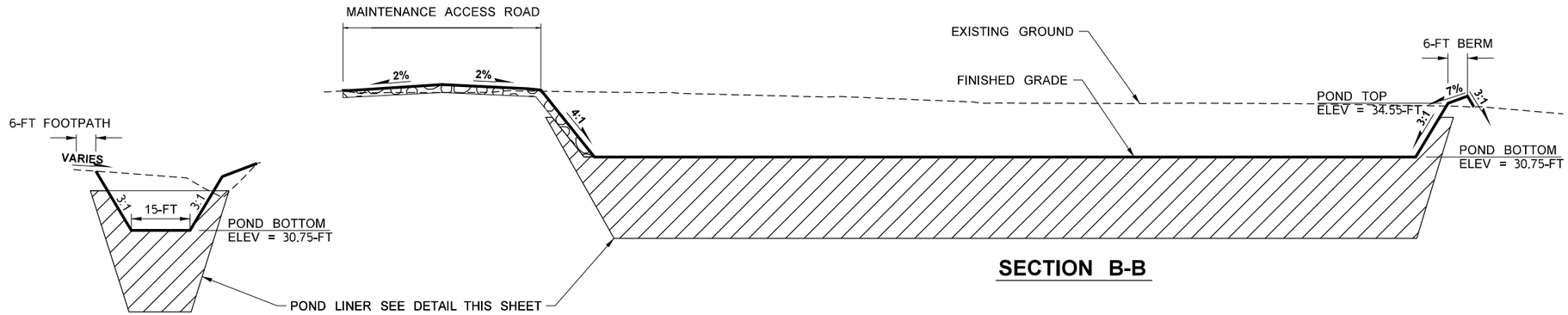
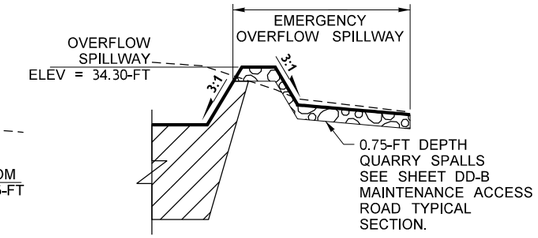


SECTION A-A

SECTION B-B



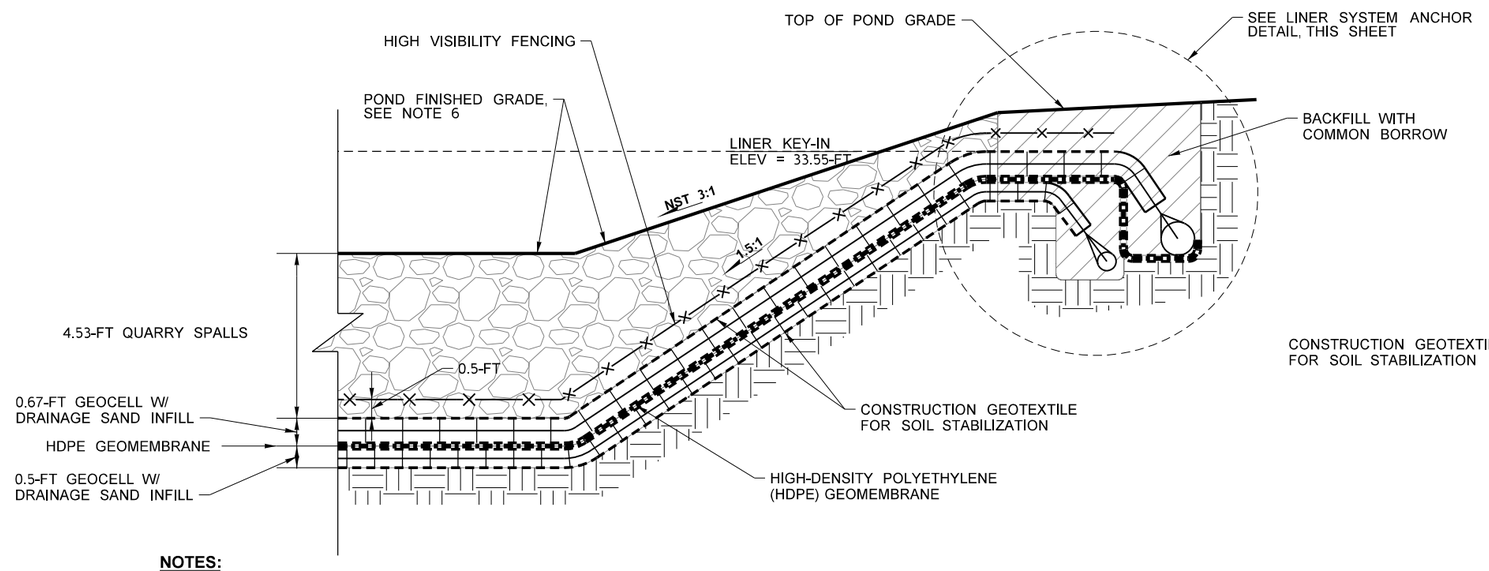
SECTION C-C

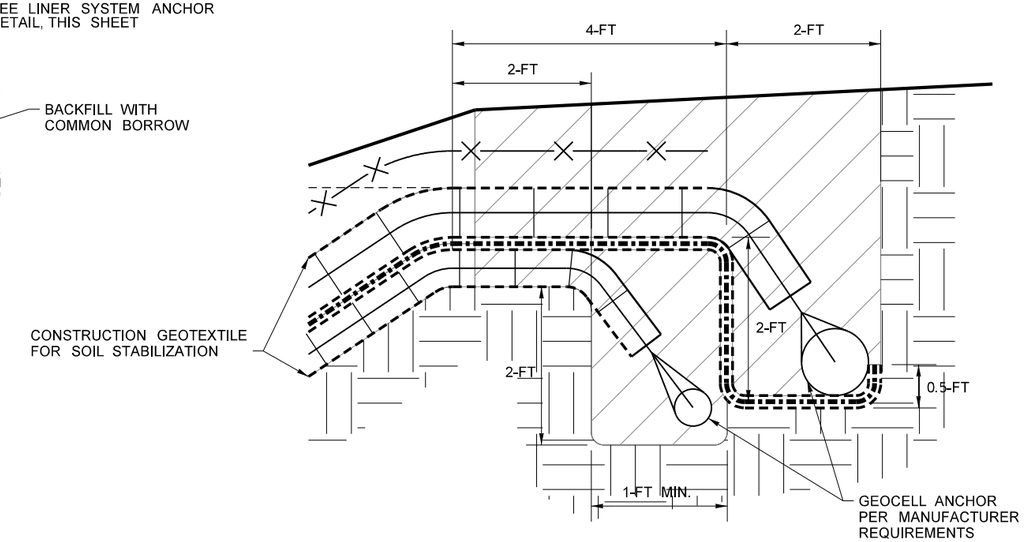
NOT TO SCALE

DETENTION POND DETAIL AND SECTIONS

DR3-B 1

NOT TO SCALE





LINER SYSTEM ANCHOR DETAIL

NOT TO SCALE

NOTES:

1. POND LINER MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 8-02.
2. FOR LOCATION OF THE POND, SEE DRAINAGE PLAN SHEET DR3-B. FOR POND GRADING DETAILS, SEE DRAINAGE DETAIL SHEET DD7-B.
3. POND LINER SHALL BE ANCHORED AT THE TOP OF THE POND SLOPE AROUND THE ENTIRE TOP OF POND EDGE PER MANUFACTURER REQUIREMENTS.
4. ALL DEPTHS ARE COMPACTED DEPTHS.
5. ALL EXCAVATION BELOW FINISHED GRADE FOR POND LINER SYSTEM SHALL BE INCLUDED IN STRUCTURE EXCAVATION CLASS B INCLUDING HAUL.
6. POND FINISHED GRADE SHALL BE EXPOSED QUARRY SPALLS MATERIAL AND NON-VEGETATED.

HDPE GEOMEMBRANE LINER SYSTEM DETAIL

DR3-B 1

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DRAINAGE DETAILS

PLAN REF NO DD8-B

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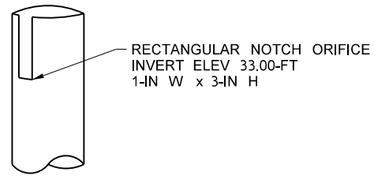
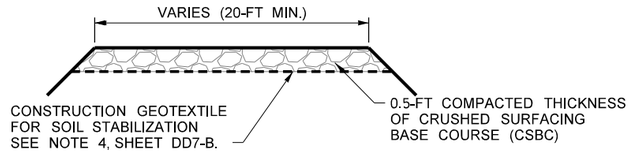


RECTANGULAR NOTCH DETAIL

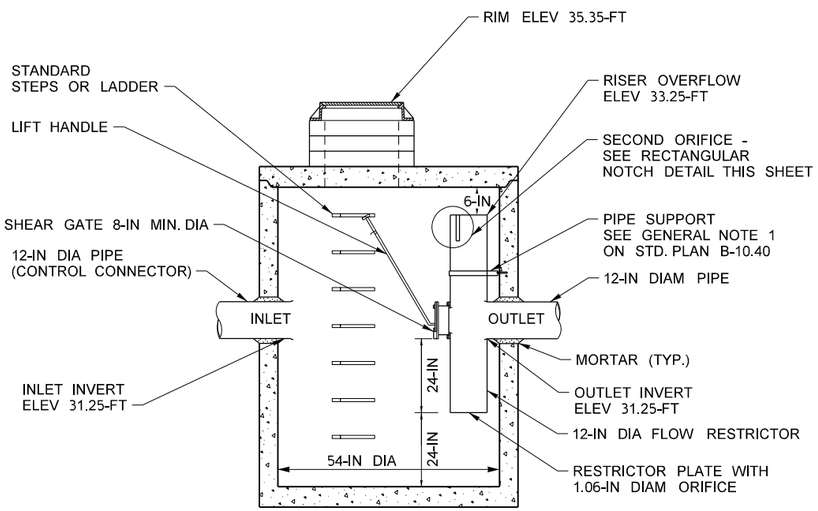


NOTES:

FOR ADDITIONAL SLOPE AND SECTION DETAILS, SEE DRAINAGE DETAIL SHEET DD7-B.

MAINTENANCE ACCESS ROAD TYPICAL SECTION

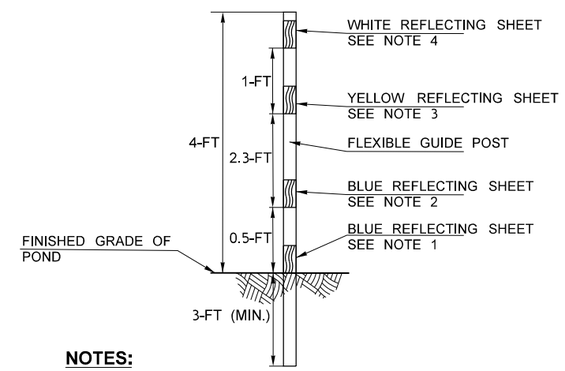
NOT TO SCALE



FLOW RESTRICTOR DETAIL

SEE STD PLAN B-10.40 FOR ADDITIONAL DETAILS

DR3-B
3



NOTES:

1. INSTALL BLUE REFLECTING SHEET AT BOTTOM OF POND.
2. INSTALL BLUE REFLECTING SHEET AT TOP OF SEDIMENT STORAGE.
3. INSTALL YELLOW REFLECTING SHEET AT TOP OF LIVE POND STORAGE.
4. INSTALL WHITE REFLECTING SHEET AT TOP OF FREEBOARD.

POND DEPTH MARKER DETAIL

NOT TO SCALE

US 12 MP 17.56 UNNAMED
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DRAINAGE DETAILS

PLAN REF NO
DD9-B

SHEET 418 OF 1241 SHEETS

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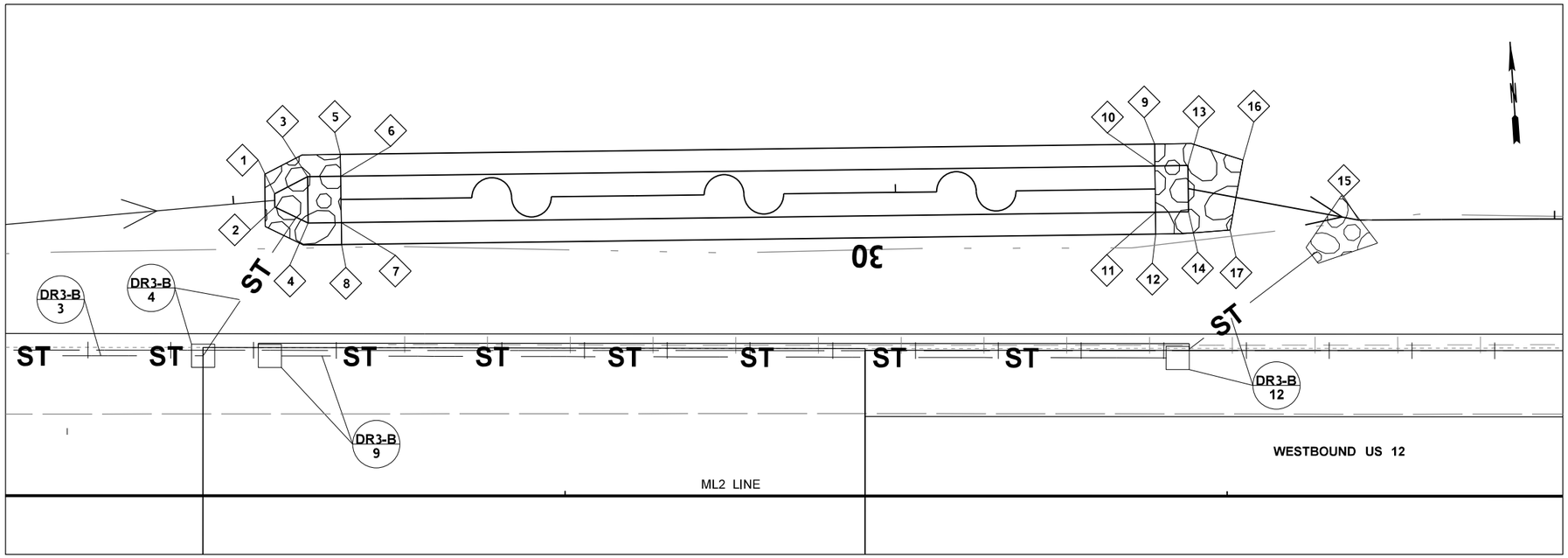


CABS PLAN VIEW (DR3-B 1)

NOT TO SCALE

CABS POINT TABLE		
#	LOCATION	ELEVATION (FT)
1	ML2 427+80.82 (45.6 LT)	29.40
2	ML2 427+80.85 (43.6 LT)	29.40
3	ML2 427+85.79 (48.2 LT)	28.72
4	ML2 427+85.88 (41.2 LT)	28.72
5	ML2 427+90.74 (51.5 LT)	30.40
6	ML2 427+90.79 (48.2 LT)	29.30
7	ML2 427+90.88 (41.2 LT)	29.30
8	ML2 427+90.92 (37.9 LT)	30.40
9	ML2 429+13.73 (53.2 LT)	28.56
10	ML2 429+13.77 (49.9 LT)	27.46
11	ML2 429+13.87 (42.9 LT)	27.46
12	ML2 429+13.91 (39.6 LT)	28.56
13	ML2 429+18.77 (49.9 LT)	27.46
14	ML2 429+18.87 (42.9 LT)	27.46
15	ML2 429+44.54 (41.7 LT)	27.00
16	ML2 429+27.06 (50.7 LT)	28.43
17	ML2 429+25.12 (40.2 LT)	28.16

NOTES:

1. FOR CABS PLAN DETAILS, SEE SHEET DD4-B.
2. FOR CABS SECTION VIEWS, SEE SHEETS DD5-B AND DD6-B.
3. SEEDING AND RESTORATION IN ACCORDANCE WITH SPECIFICATION SECTION 8-02 ROADSIDE RESTORATION AND LS SHEETS.
4. QUARRY SPALLS SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION SECTION 9-13.1(5).
5. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
6. FOR LOCATION OF THE CABS, SEE DRAINAGE PLAN SHEET DR3-B.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_DD_010.dgn
TIME	12:49:30 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	T. HEW
ENTERED BY	J. GLOVATCHI
CHECKED BY	L. THOMSEN
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1 DATE — P.E. STAMP BOX

SEE SHEET CT1 DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

OSBORN CONSULTING

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

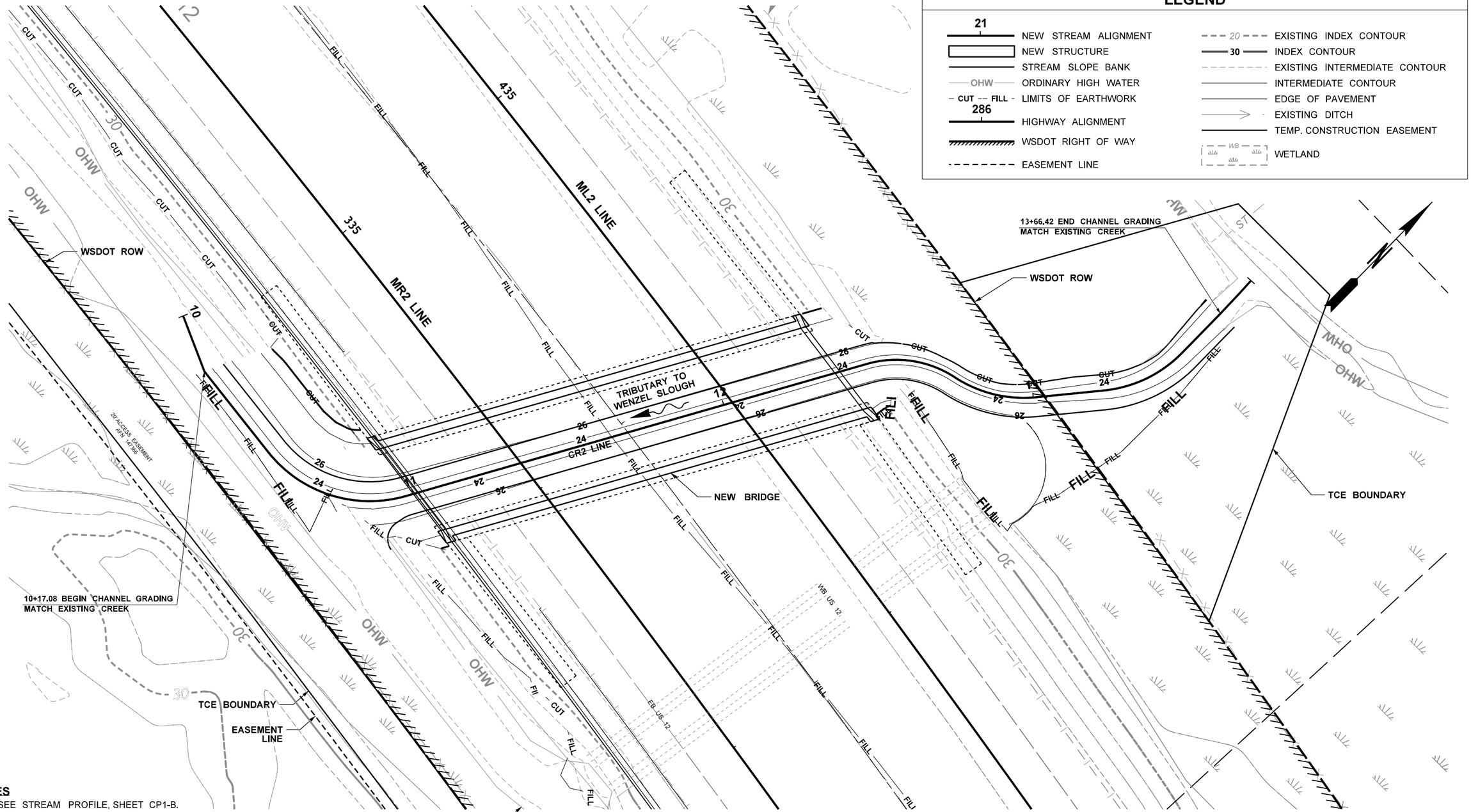
PLAN REF NO DD10-B

SHEET 419 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_DD_010.dgn

LEGEND

21 NEW STREAM ALIGNMENT	20 EXISTING INDEX CONTOUR
NEW STRUCTURE	30 INDEX CONTOUR
STREAM SLOPE BANK	EXISTING INTERMEDIATE CONTOUR
OHW ORDINARY HIGH WATER	INTERMEDIATE CONTOUR
CUT FILL LIMITS OF EARTHWORK	EDGE OF PAVEMENT
286 HIGHWAY ALIGNMENT	EXISTING DITCH
WSDOT RIGHT OF WAY	TEMP. CONSTRUCTION EASEMENT
EASEMENT LINE	WB WETLAND



NOTES

1. SEE STREAM PROFILE, SHEET CP1-B.
2. SEE STREAM SECTIONS, SHEET CD1-B THROUGH CD5-B.
3. SEE LWM, SHEETS LWM1-B THROUGH LWM7-B.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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ENTERED BY	R. WILCOX
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REGIONAL ADM.	S. ROARK

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P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

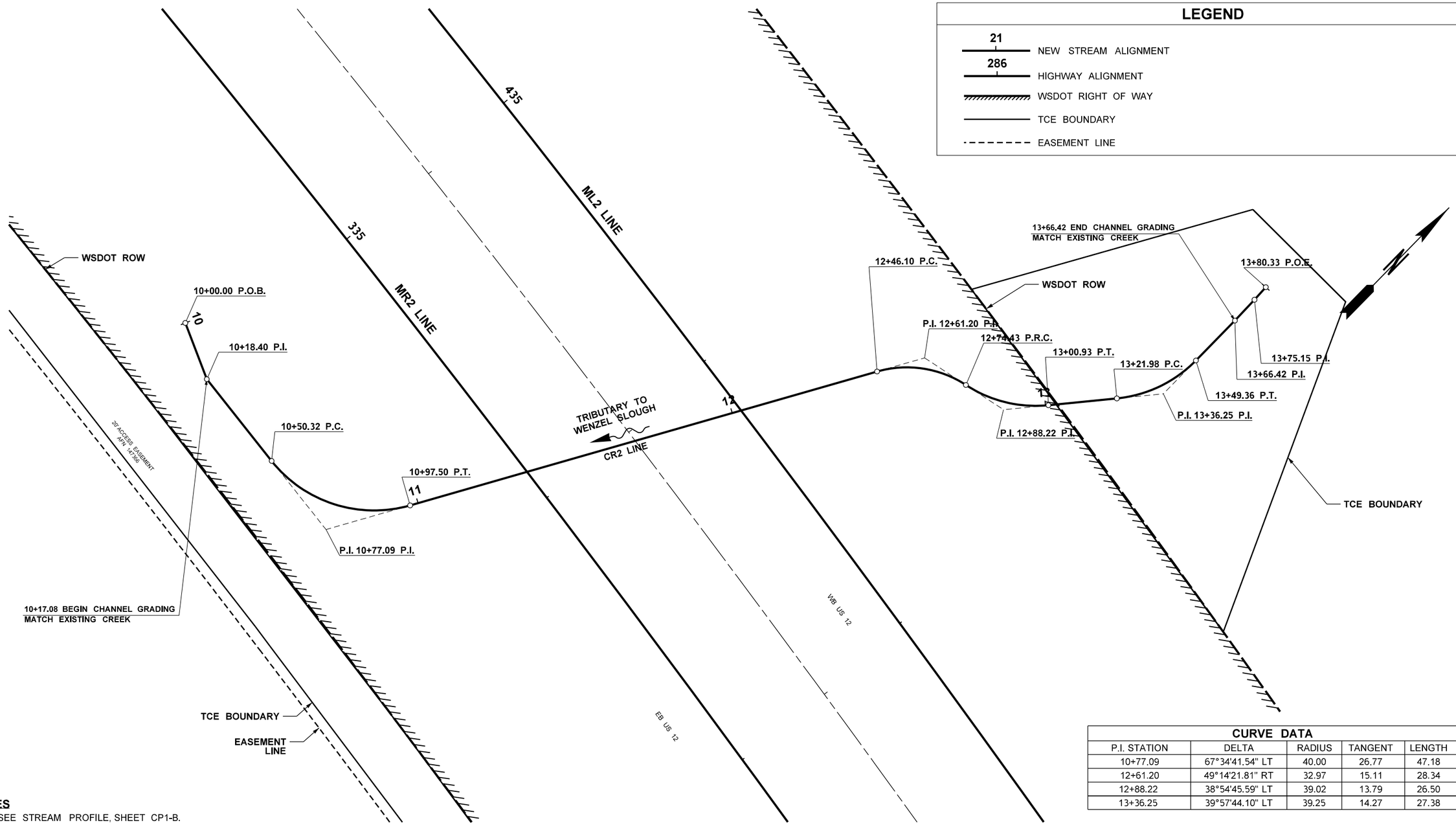
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM PLAN

PLAN REF NO CR1-B

SHEET 420 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P-WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_CR_001.dgn



CURVE DATA				
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
10+77.09	67°34'41.54" LT	40.00	26.77	47.18
12+61.20	49°14'21.81" RT	32.97	15.11	28.34
12+88.22	38°54'45.59" LT	39.02	13.79	26.50
13+36.25	39°57'44.10" LT	39.25	14.27	27.38

NOTES

1. SEE STREAM PROFILE, SHEET CP1-B.
2. SEE STREAM SECTIONS, SHEET CD1-B THROUGH CD5-B.
3. SEE LWM, SHEETS LWM1-B THROUGH LWM7-B.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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CONTRACT NO. XL6115		

STATE OF WASHINGTON KAREN J COMINGS 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM PLAN

PLAN REF NO
CR2-B

SHEET 421 OF 1241 SHEETS

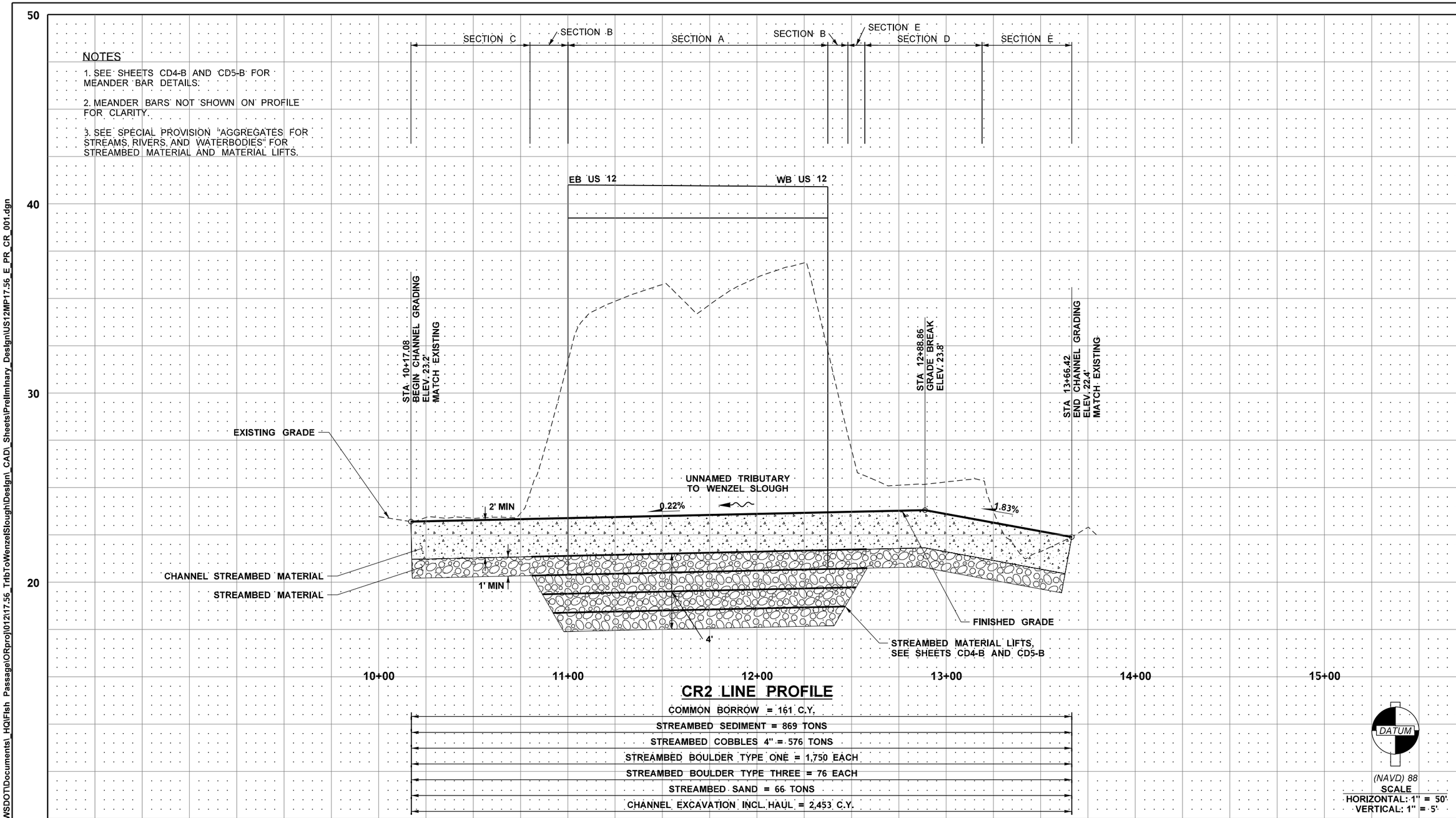
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CADI_Sheets\Preliminary_Design\US12MP17.56_E_PS_CR_002.dgn

NOTES

1. SEE SHEETS CD4-B AND CD5-B FOR MEANDER BAR DETAILS.

2. MEANDER BARS NOT SHOWN ON PROFILE FOR CLARITY.

3. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



CR2 LINE PROFILE

COMMON BORROW = 161 C.Y.
STREAMBED SEDIMENT = 869 TONS
STREAMBED COBBLES 4" = 576 TONS
STREAMBED BOULDER TYPE ONE = 1,750 EACH
STREAMBED BOULDER TYPE THREE = 76 EACH
STREAMBED SAND = 66 TONS
CHANNEL EXCAVATION INCL. HAUL = 2,453 C.Y.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

KAREN J COMINGS, STATE OF WASHINGTON, 41793, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
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Washington State Department of Transportation

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US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM PROFILE

PLAN REF. NO. CP1-B

SHEET 422 OF 1241 SHEETS

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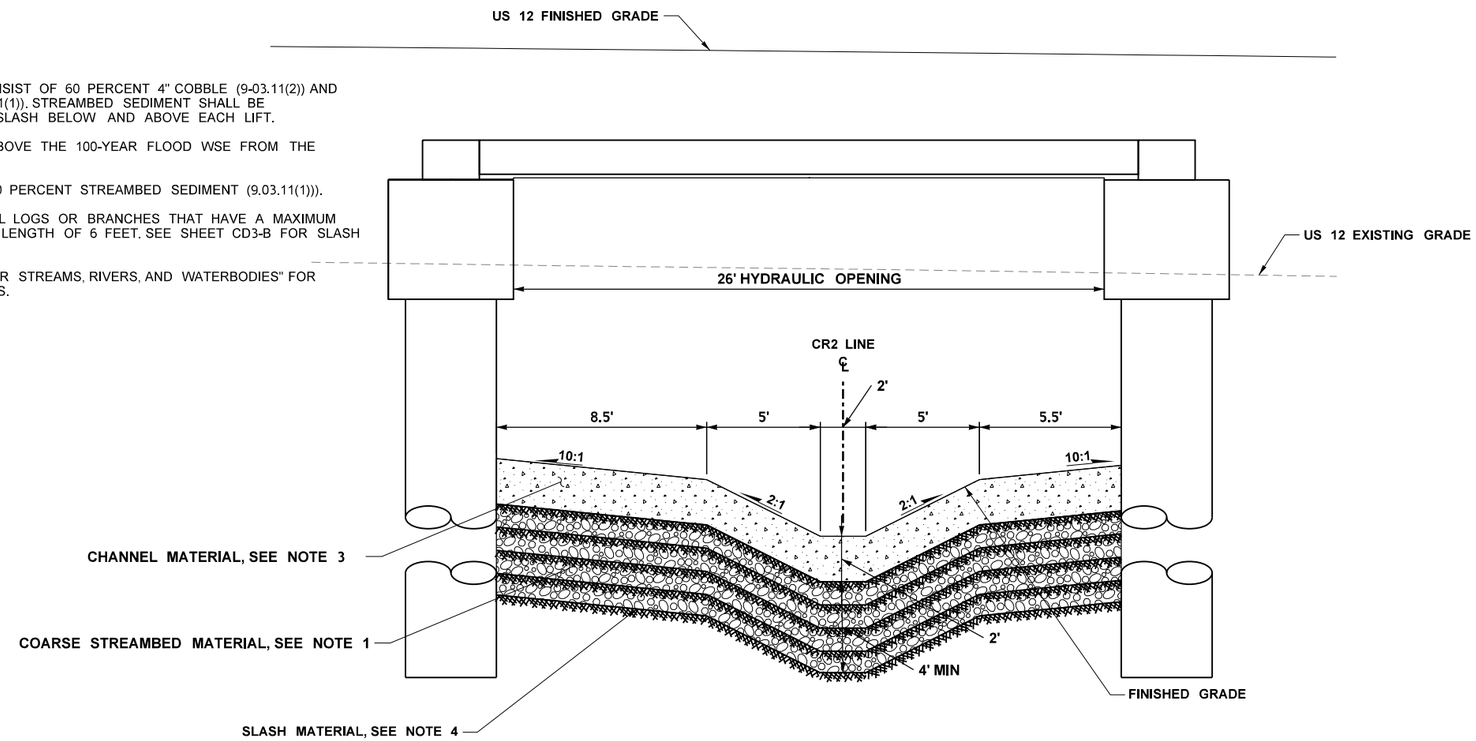
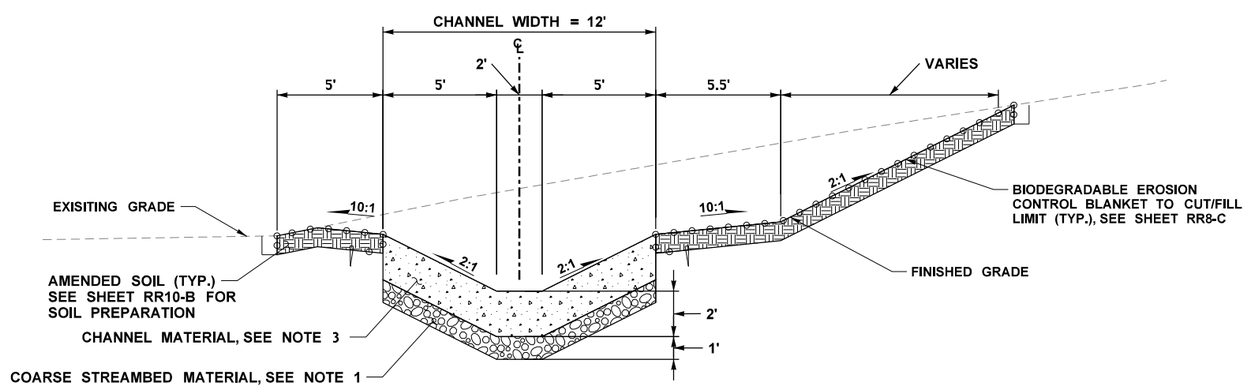
NOTES

1. COARSE STREAMBED MATERIAL SHALL CONSIST OF 60 PERCENT 4" COBBLE (9-03.11(2)) AND 40 PERCENT STREAMBED SEDIMENT (9-03.11(1)). STREAMBED SEDIMENT SHALL BE INSTALLED IN 1' LIFTS WITH A LAYER OF SLASH BELOW AND ABOVE EACH LIFT.
2. A 3' MINIMUM FREEBOARD IS REQUIRED ABOVE THE 100-YEAR FLOOD WSE FROM THE CHEHALIS RIVER BACKWATER.
3. CHANNEL MATERIAL SHALL CONSIST OF 100 PERCENT STREAMBED SEDIMENT (9.03.11(1))).
4. SLASH MATERIAL SHALL CONSIST OF SMALL LOGS OR BRANCHES THAT HAVE A MAXIMUM DIAMETER OF 4 INCHES AND A MAXIMUM LENGTH OF 6 FEET. SEE SHEET CD3-B FOR SLASH PLACEMENT DETAILS.
5. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



SECTION A - SECANT PILE BURIED STRUCTURE

CR2 11+00.09 TO CR2 12+37.43
NTS



SECTION B - TYPICAL OPEN CHANNEL

CR2 10+80.00 TO CR2 11+00.09
CR2 12+37.43 TO CR2 12+48.00
NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

SEE SHEET CT1
DATE
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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM DETAILS

PLAN REF NO CD1-B

SHEET 423 OF 1241 SHEETS

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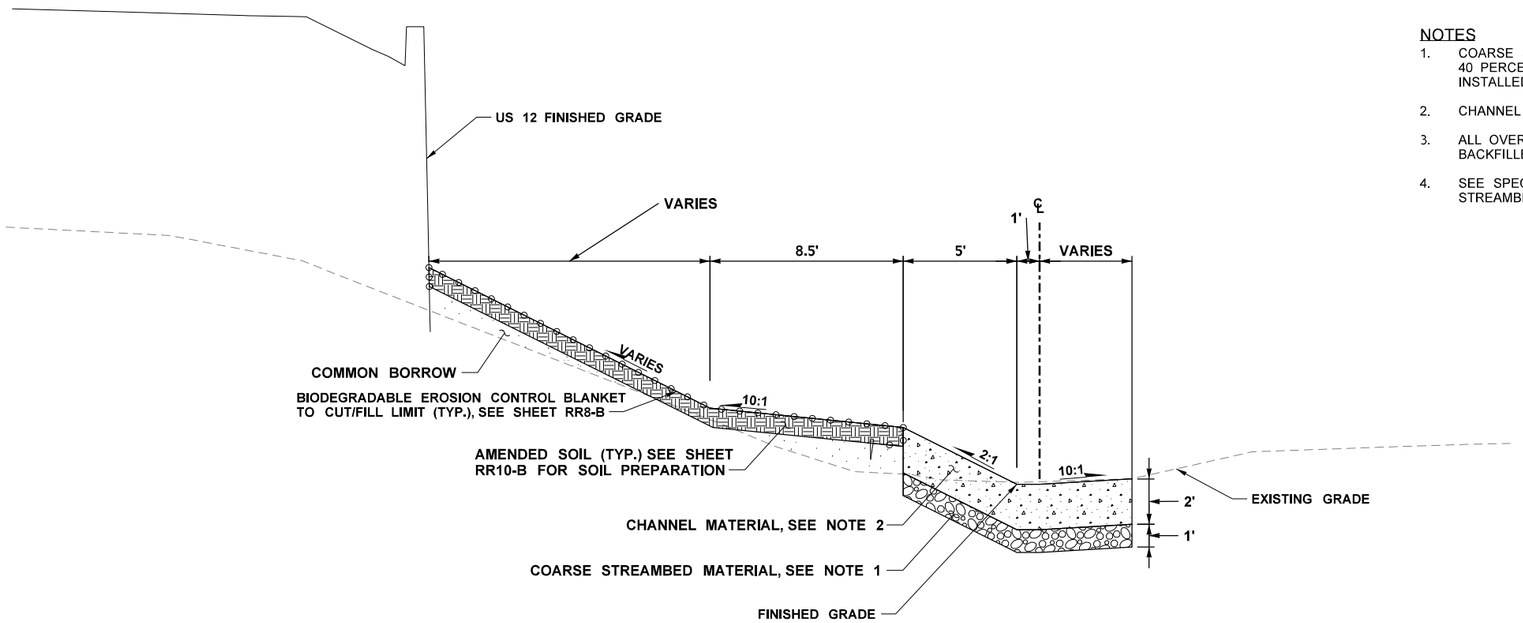
NOTES

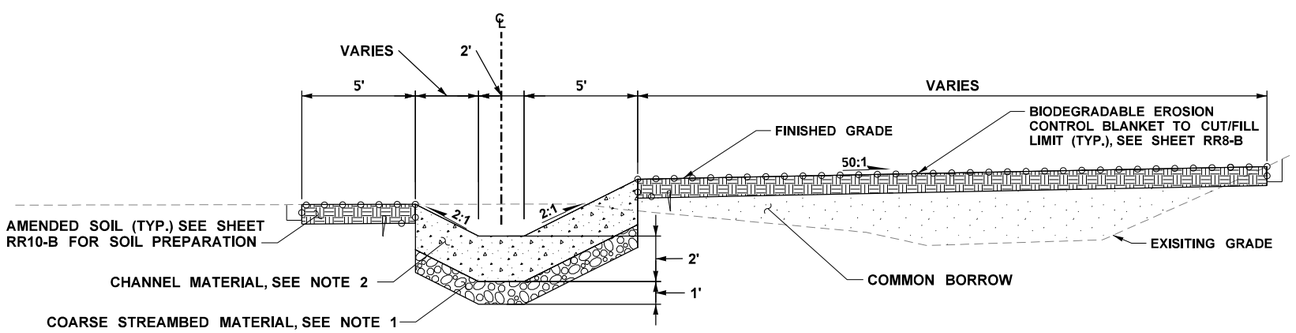
1. COARSE STREAMBED MATERIAL SHALL CONSIST OF 60 PERCENT 4" COBBLE (9-03.11(2)) AND 40 PERCENT STREAMBED SEDIMENT (9-03.11(1)). STREAMBED SEDIMENT SHALL BE INSTALLED IN 1' LIFTS WITH A LAYER OF SLASH BELOW AND ABOVE EACH LIFT.
2. CHANNEL MATERIAL SHALL CONSIST OF 100 PERCENT STREAMBED SEDIMENT (9.03.11(1))).
3. ALL OVEREXCAVATION REQUIRED FOR STREAMBED MATERIAL INSTALLATION SHALL BE BACKFILLED WITH NATIVE MATERIAL.
4. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



SECTION C - MATCH EXISTING SECTION

CR2 10+17.08 TO CR2 10+80.00

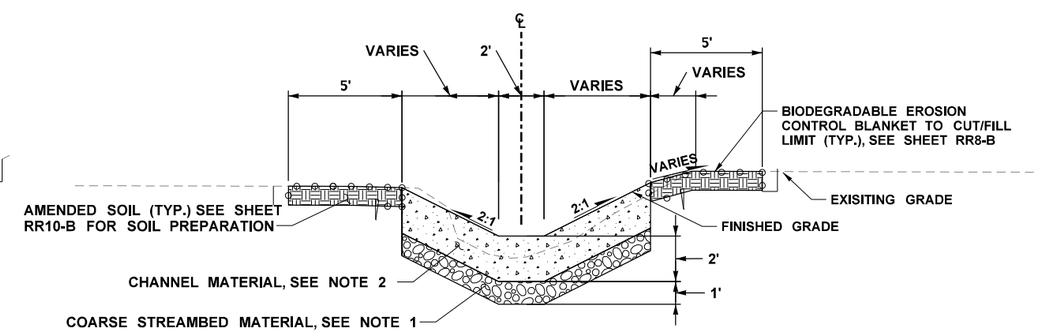
NTS



SECTION D - TYPICAL OPEN CHANNEL FILLING EXISTING CHANNEL

CR2 12+57.00 TO CR2 13+19.00

NTS



SECTION E - TYPICAL OPEN CHANNEL UPSTREAM

CR2 12+48.00 TO CR2 12+57.00
CR2 13+19.00 TO CR2 13+66.42

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	K. COMINGS						
ENTERED BY	R. WILCOX						
CHECKED BY	J. GAGE				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

KAREN J. COMINGS, STATE OF WASHINGTON, 41793, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM DETAILS

PLAN REF NO CD2-B

SHEET 424 OF 1241 SHEETS

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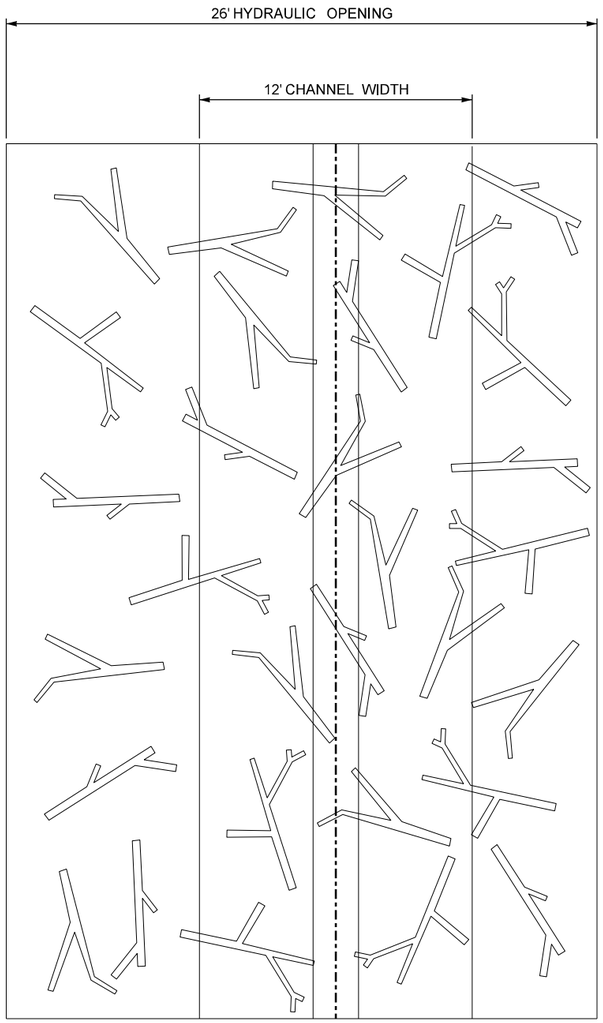
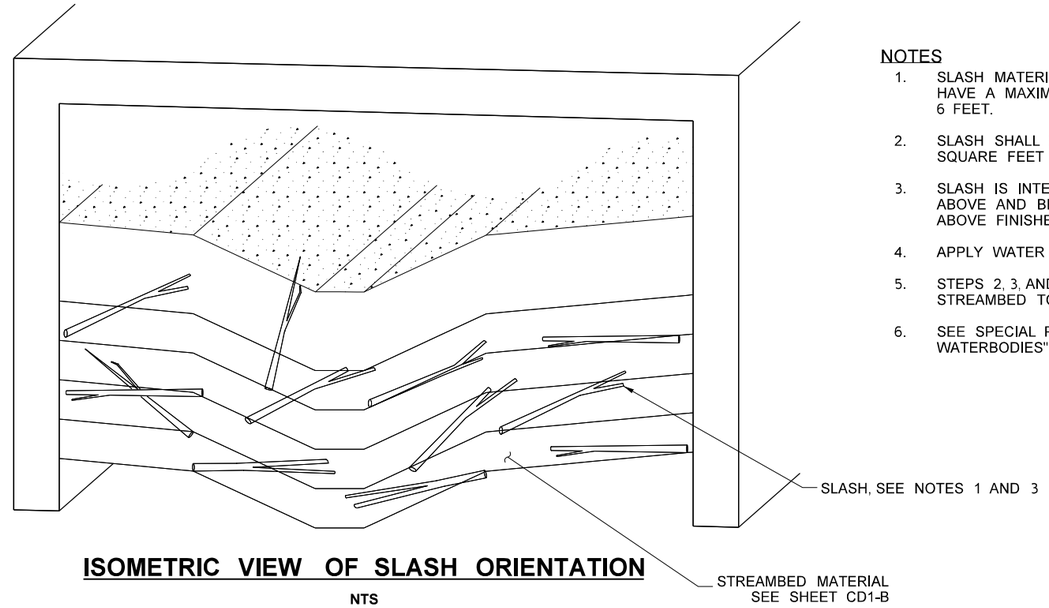


PLAN VIEW PER 1,000 SQUARE FEET

NTS

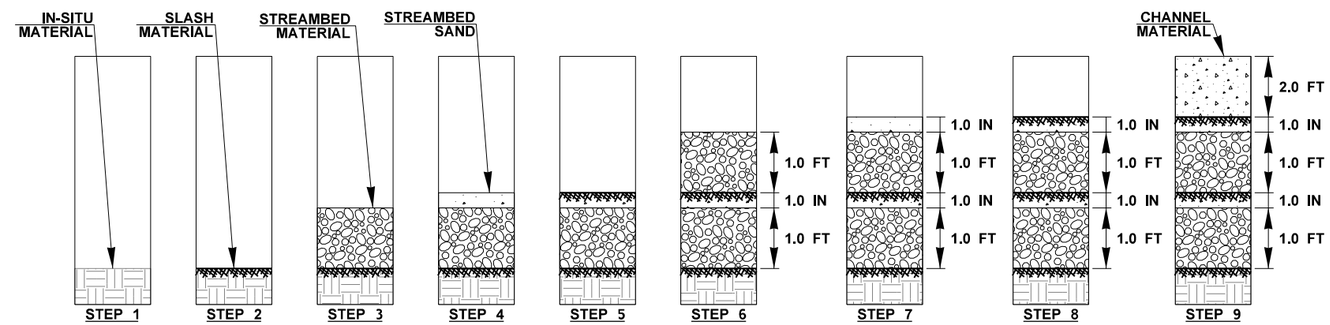


ISOMETRIC VIEW OF SLASH ORIENTATION

NTS

NOTES

1. SLASH MATERIAL SHALL CONSIST OF SMALL LOGS OR BRANCHES THAT HAVE A MAXIMUM DIAMETER OF 4 INCHES AND A MAXIMUM LENGTH OF 6 FEET.
2. SLASH SHALL BE INSTALLED AT A DENSITY OF 30 PIECES PER 1,000 SQUARE FEET PER LAYER.
3. SLASH IS INTENDED TO PROTRUDE INTO STREAMBED MATERIAL LAYERS ABOVE AND BELOW EACH SLASH LAYER. SLASH MAY NOT EXTEND ABOVE FINISHED GRADE BY MORE THAN 6 INCHES.
4. APPLY WATER TO SAND LAYERS TO FACILITATE FILLING INTERSTITIAL VOIDS.
5. STEPS 2, 3, AND 4 SHALL BE REPEATED AS NECESSARY FOR PLACEMENT OF STREAMBED TO FULL DEPTH.
6. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



STREAMBED MATERIAL PLACEMENT WITH SLASH - SEQUENCE OF WORK

NTS

STREAMBED CHANNEL PREPARATION

STEP 1
EXCAVATE CHANNEL TO ACCOMODATE STREAMBED MATERIAL.

STEP 2
PLACE SLASH MATERIAL, SEE NOTE 3.

STEP 3
PLACE 1.0 FT LIFT OF COARSE STREAMBED MATERIAL.

STEP 4
PLACE 1.0 IN OF STREAMBED SAND UNIFORMLY OVER COARSE STREAMBED MATERIAL. APPLY WATER TO STREAMBED SAND. SEE NOTES 4 AND 6.

STEP 5
(REPEAT STEP 2), SEE NOTE 5

STEP 6
(REPEAT STEP 3), SEE NOTE 5

STEP 7
(REPEAT STEP 4), SEE NOTE 5

STEP 8
(REPEAT STEP 2)

STEP 9
PLACE REMAINING 2.0 FT LIFT OF CHANNEL MATERIAL TO FINSHED GRADE.

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JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SLASH DETAILS

PLAN REF NO CD3-B

SHEET 425 OF 1241 SHEETS

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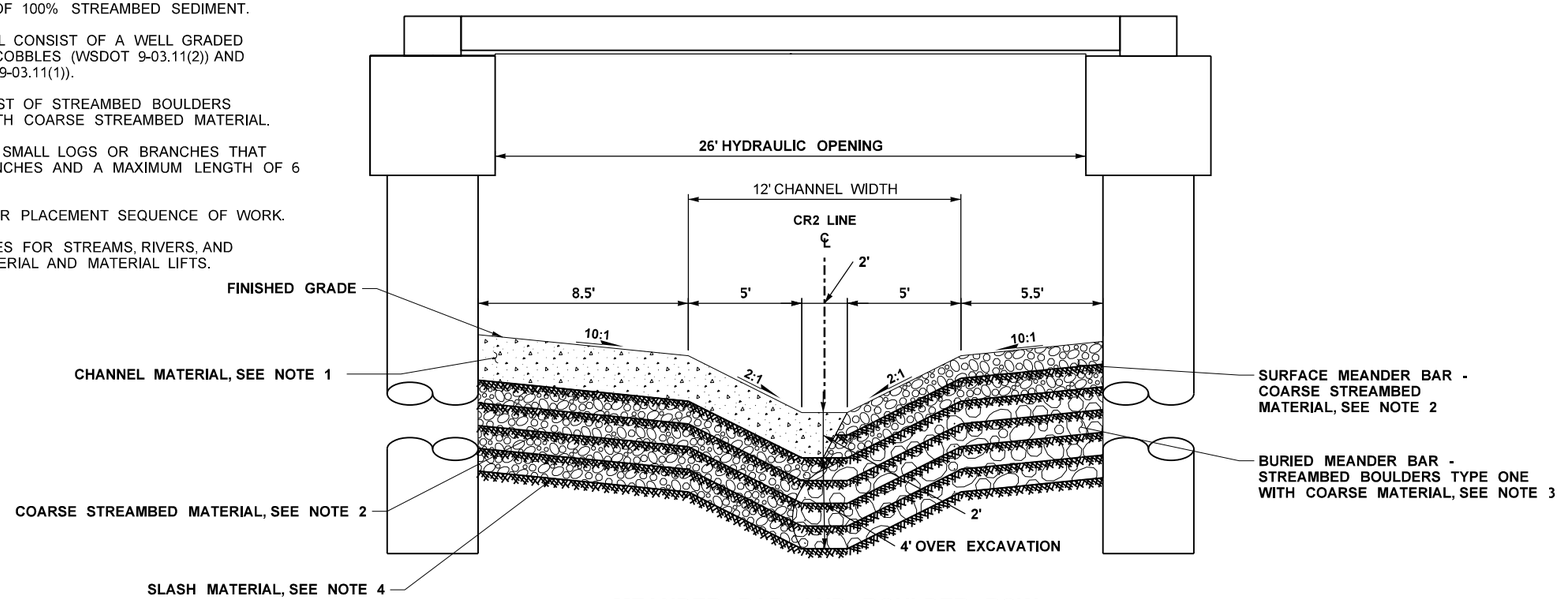
NOTES

1. CHANNEL MATERIAL SHALL CONSIST OF 100% STREAMBED SEDIMENT.
2. COARSE STREAMBED MATERIAL SHALL CONSIST OF A WELL GRADED MIX OF 60 PERCENT 4" STREAMBED COBBLES (WSDOT 9-03.11(2)) AND 40 PERCENT STREAMBED SEDIMENT (9-03.11(1)).
3. BURIED MEANDER BAR SHALL CONSIST OF STREAMBED BOULDERS TYPE ONE (9-03.11(3)) BACKFILLED WITH COARSE STREAMBED MATERIAL.
4. SLASH MATERIAL SHALL CONSIST OF SMALL LOGS OR BRANCHES THAT HAVE A MAXIMUM DIAMETER OF 4 INCHES AND A MAXIMUM LENGTH OF 6 FEET.
5. SEE SHEET CD5-B FOR MEANDER BAR PLACEMENT SEQUENCE OF WORK.
6. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



MEANDER BAR AND BOULDER ROW

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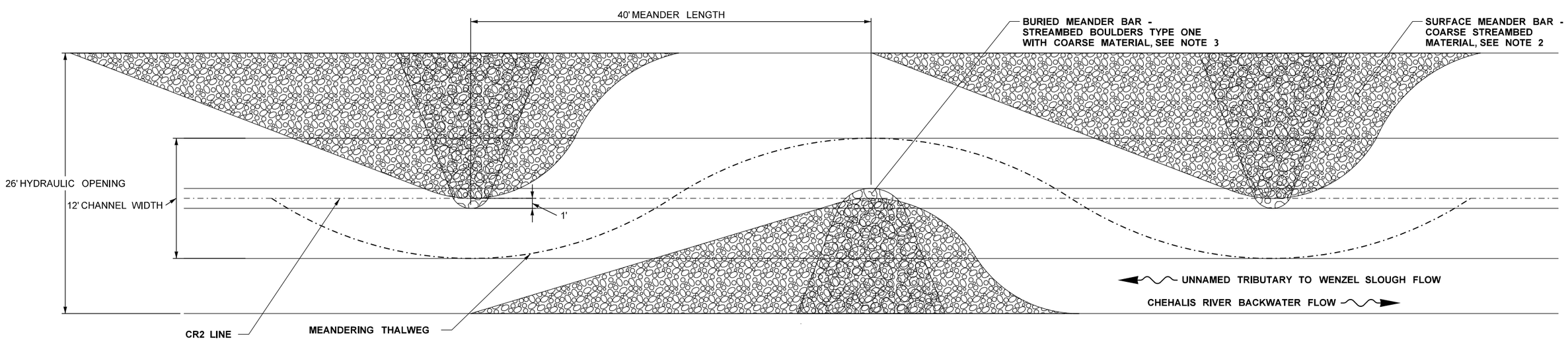

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CONTRACT NO. XL6115

LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

P.E. STAMP BOX | DATE

P.E. STAMP BOX | DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

MEANDER BAR DETAILS

PLAN REF NO CD4-B

SHEET 426 OF 1241 SHEETS

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NOTES

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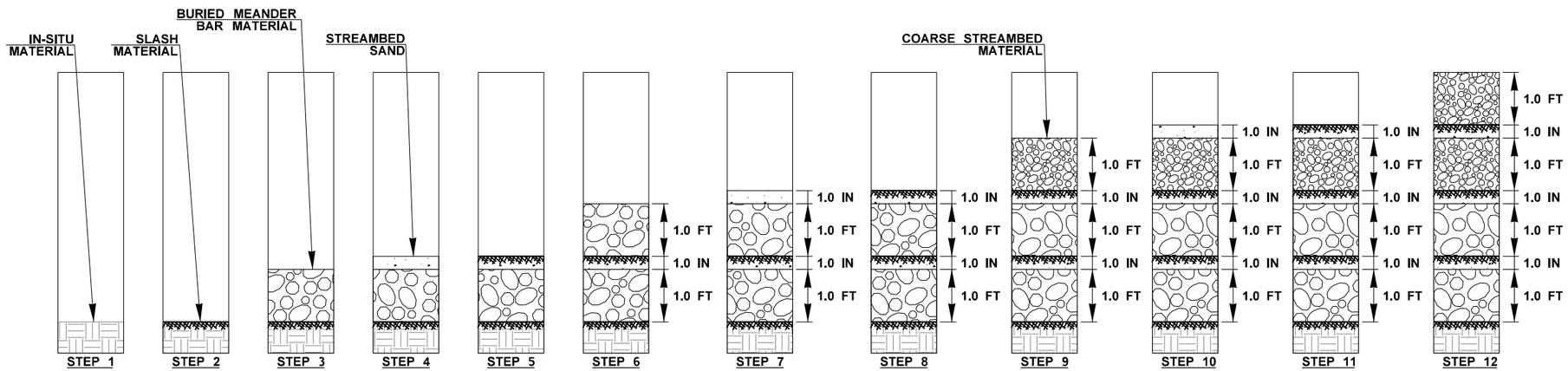
7. STEPS 2, 3, AND 4 SHALL BE REPEATED AS NECESSARY FOR PLACEMENT OF BURIED MEANDER BAR TO FULL DEPTH.
8. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



MEANDER BAR MATERIAL PLACEMENT WITH SLASH - SEQUENCE OF WORK

NTS

STREAMBED CHANNEL PREPARATION

STEP 1
EXCAVATE CHANNEL TO ACCOMODATE STREAMBED MATERIAL.

STEP 2
PLACE SLASH MATERIAL, SEE NOTE 5

STEP 3
PLACE 1.0 FT LIFT OF BURIED MEANDER BAR MATERIAL.

STEP 4
PLACE 1.0 IN OF STREAMBED SAND UNIFORMLY OVER BURIED MEANDER BAR MATERIAL. APPLY WATER TO STREAMBED SAND. SEE NOTES 6 AND 8.

STEP 5
(REPEAT STEP 2), SEE NOTE 7

STEP 6
(REPEAT STEP 3), SEE NOTE 7

STEP 7
(REPEAT STEP 4), SEE NOTE 7

STEP 8
(REPEAT STEP 2)

STEP 9
PLACE 1.0 FT LIFT OF COARSE STREAMBED MATERIAL.

STEP 10
(REPEAT STEP 4)

STEP 11
(REPEAT STEP 5)

STEP 12
PLACE REMAINING 1.0 FT LIFT OF COARSE STREAMBED MATERIAL TO FINISHED GRADE.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_CR_005.dgn
TIME	10:48:23 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

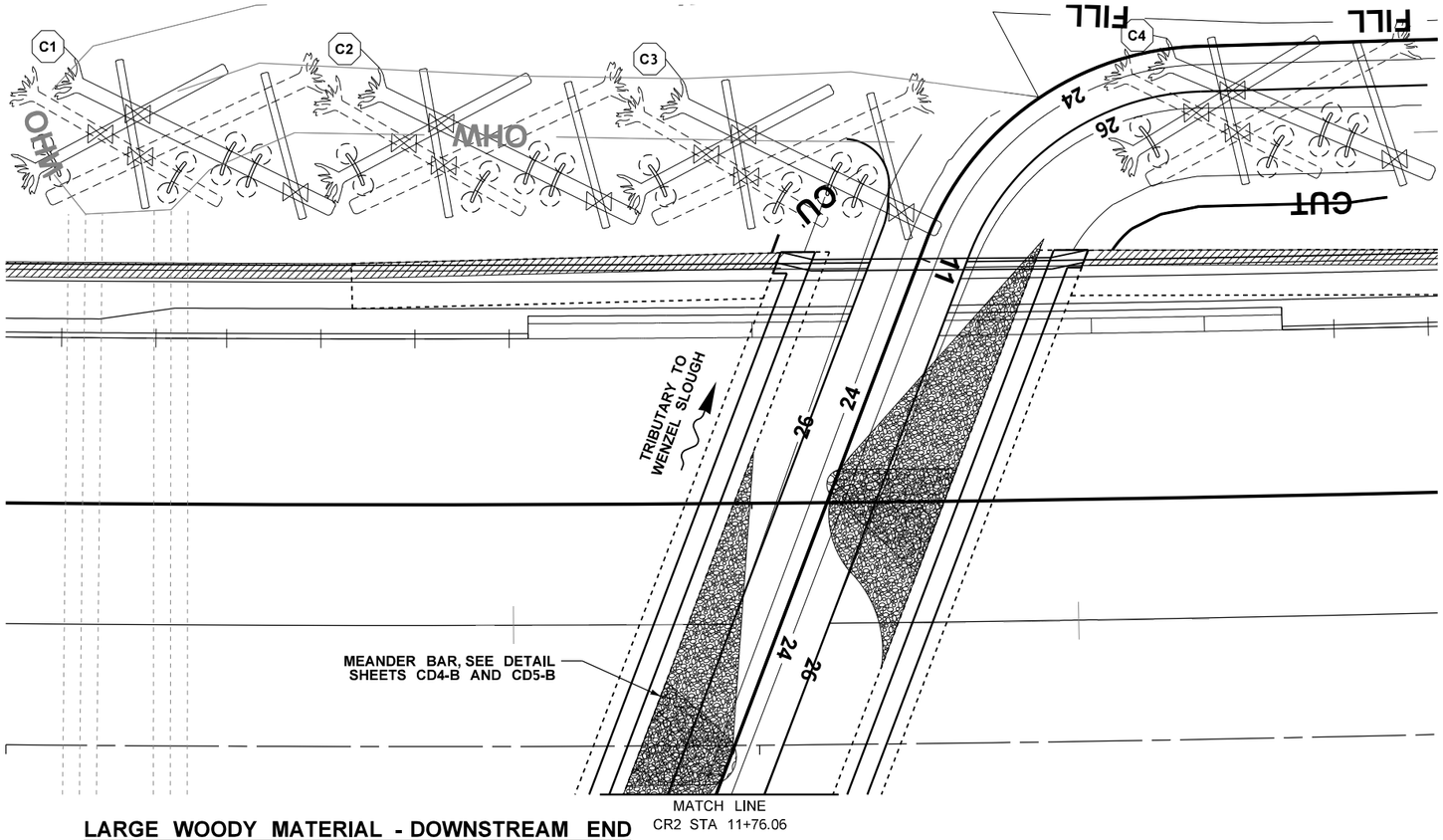
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

MEANDER BAR DETAILS

PLAN REF NO CD5-B

SHEET 427 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_CR_005.dgn



LARGE WOODY MATERIAL - DOWNSTREAM END

LEGEND

- 24" MIN DIA. 40' MIN. LENGTH, WITH ROOTWAD (8 TOTAL)
- 18" MIN DIA. 30' MIN. LENGTH, WITH ROOTWAD (8 TOTAL)
- 12" MIN DIA. 20' MIN. LENGTH, WITHOUT ROOTWAD (8 TOTAL)
- ROCK COLLAR - BOULDER TYPE THREE (32 TOTAL BOULDERS), SEE SHEET LWM7-B
- CABLE LASHING, SEE SHEET LWM6-B
- CLUSTER ID, SEE SHEETS LWM3-B, LWM4-B, AND LWM5-B

NOTES:

1. DASHED LINES INDICATE BURIED LOGS.
2. SEE SHEETS LWM3-B, LWM4-B, AND LWM5-B FOR LOG ID NUMBERS.
3. LOCATIONS AND ORIENTATIONS OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON THIS SHEET ARE APPROXIMATE AND WILL BE DIRECTED BY THE ENGINEER IN THE FIELD. SEE SPECIAL PROVISION "LARGE WOODY MATERIAL (LWM) STRUCTURES".

0 10 20
SCALE IN FEET

CLUSTER ID	LOG ID	BOLE STATION	BOLE OFFSET	ROOTWAD STATION	ROOTWAD OFFSET	NOTES
C1	1	11+21.6	75.0' RT	11+18.0	112.5' RT	SEE SHEET LWM5-C
C1	2	11+09.1	95.0' RT	11+30.8	114.0' RT	SEE SHEET LWM5-C
C1	3	11+26.0	89.4' RT	11+21.3	117.8' RT	SEE SHEET LWM5-C
C1	4	11+33.7	110.9' RT	11+06.4	84.6' RT	SEE SHEET LWM5-C
C1	5	11+30.3	98.5' RT	11+13.0	108.5' RT	SEE SHEET LWM5-C
C1	6	11+24.1	78.4' RT	11+07.9	90.0' RT	SEE SHEET LWM5-C
C2	1	11+08.4	36.9' RT	11+04.9	74.3' RT	SEE SHEET LWM5-C
C2	2	10+96.9	56.9' RT	11+17.5	75.8' RT	SEE SHEET LWM5-C
C2	3	11+12.9	51.3' RT	11+08.2	79.5' RT	SEE SHEET LWM5-C
C2	4	11+20.7	72.58' RT	10+95.6	46.6' RT	SEE SHEET LWM5-C
C2	5	11+17.1	60.3' RT	11+00.0	70.5' RT	SEE SHEET LWM5-C
C2	6	11+11.0	40.3' RT	10+96.3	52.0' RT	SEE SHEET LWM5-C

CLUSTER ID	LOG ID	BOLE STATION	BOLE OFFSET	ROOTWAD STATION	ROOTWAD OFFSET	NOTES
C3	1	10+95.6	1.1' LT	10+94.7	36.6' RT	SEE SHEET LWM5-C
C3	2	10+87.9	20.6' RT	11+04.8	38.1' RT	SEE SHEET LWM5-C
C3	3	11+00.0	13.3' RT	10+96.5	41.6' RT	SEE SHEET LWM5-C
C3	4	11+07.7	34.8' RT	10+84.1	11.2' RT	SEE SHEET LWM5-C
C3	5	11+04.3	22.3' RT	10+91.9	33.3' RT	SEE SHEET LWM5-C
C3	6	10+98.1	2.2' RT	10+86.2	16.2' RT	SEE SHEET LWM5-C
C4	1	10+14.3	17.5' LT	10+53.9	2.2' LT	SEE SHEET LWM5-C
C4	2	10+34.6	0.4' RT	10+64.0	12.2' LT	SEE SHEET LWM5-C
C4	3	10+34.8	17.5' LT	10+61.1	2.2' LT	SEE SHEET LWM5-C
C4	4	10+63.0	16.5' LT	10+24.1	0.6' LT	SEE SHEET LWM5-C
C4	5	10+44.7	18.4' LT	10+48.9	1.1' RT	SEE SHEET LWM5-C
C4	6	10+23.7	19.2' LT	10+29.5	0.0' LT	SEE SHEET LWM5-C

LEGEND

- 21 — NEW STREAM ALIGNMENT
- NEW STRUCTURE
- STREAM SLOPE BANK
- OHW — ORDINARY HIGH WATER
- CUT — FILL — LIMITS OF EARTHWORK
- 286 — HIGHWAY ALIGNMENT
- INTERMEDIATE CONTOUR
- EDGE OF PAVEMENT
- EXISTING DITCH

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

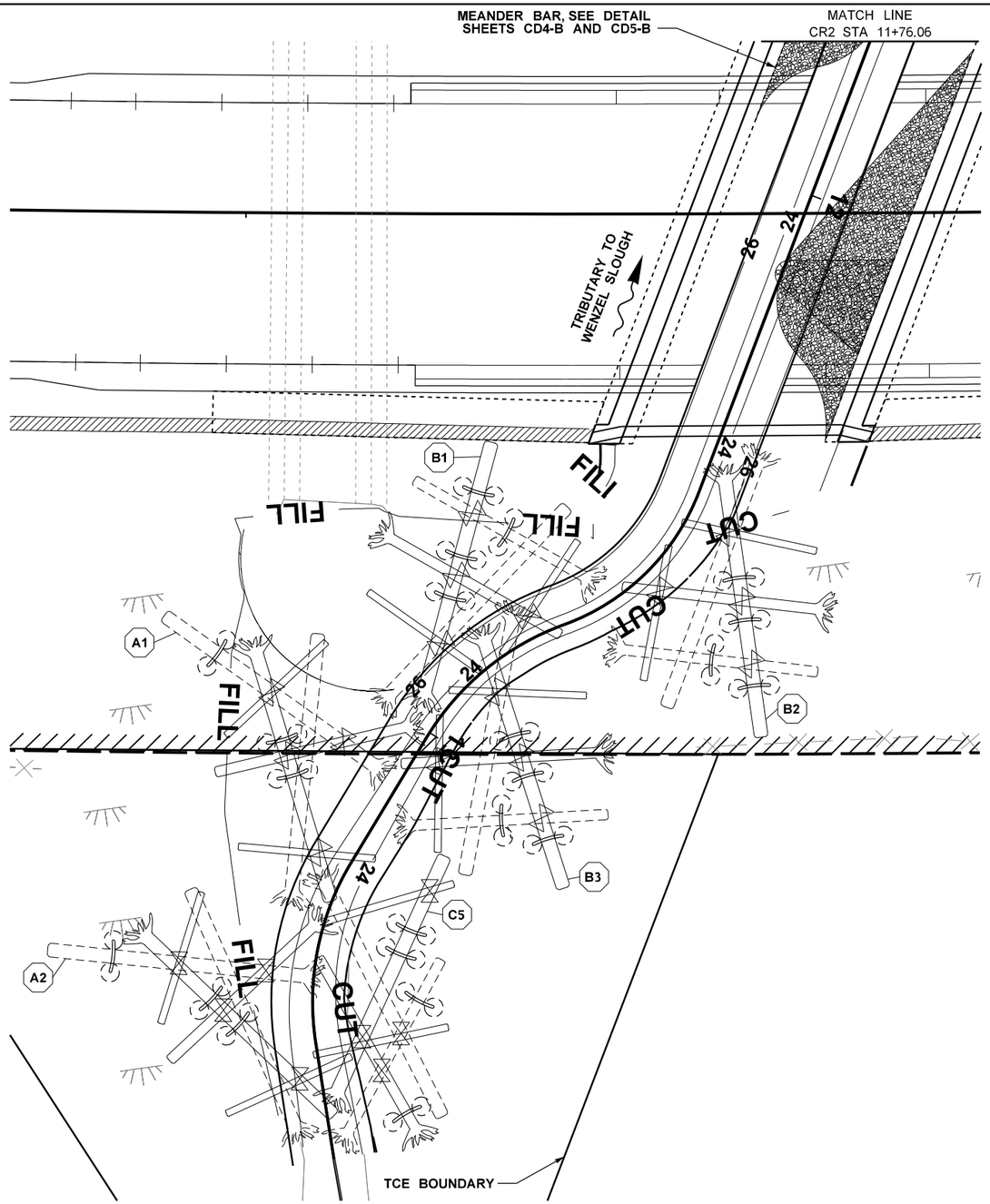
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL PLAN

PLAN REF NO LWM1-B

SHEET 428 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_LWM_001.dgn



LARGE WOODY MATERIAL - UPSTREAM END

0 10 20
SCALE IN FEET

LEGEND

- 21 — NEW STREAM ALIGNMENT
- NEW STRUCTURE
- STREAM SLOPE BANK
- OHW — ORDINARY HIGH WATER
- CUT — FILL — LIMITS OF EARTHWORK
- 286 — HIGHWAY ALIGNMENT
- WSDOT RIGHT OF WAY
- EASEMENT LINE
- EDGE OF PAVEMENT
- EXISTING DITCH
- WB — WETLAND

LEGEND

- 24" MIN DIA. 40' MIN. LENGTH, WITH ROOTWAD (14 TOTAL)
- 18" MIN DIA. 30' MIN. LENGTH, WITH ROOTWAD (10 TOTAL)
- 12" MIN DIA. 20' MIN. LENGTH, WITHOUT ROOTWAD (12 TOTAL)
- ROCK COLLAR - BOULDER TYPE THREE (44 TOTAL BOULDERS), SEE SHEET LWM7-B
- CABLE LASHING, SEE SHEET LWM6-B
- CLUSTER ID, SEE SHEETS LWM3-B, LWM4-B, AND LWM5-B (X)

BOLE END
ROOTWAD END

		BOLE		ROOTWAD		
CLUSTER ID	LOG ID	STATION	OFFSET	STATION	OFFSET	NOTES
B1	1	12+75.4	1.2' LT	12+86.8	23.6' RT	SEE SHEET LWM4-C
B1	2	12+75.0	28.5' RT	12+96.3	3.6' RT	SEE SHEET LWM4-C
B1	3	12+82.2	28.6' RT	12+68.2	4.7' RT	SEE SHEET LWM4-C
B1	4	12+62.8	14.4' RT	12+99.0	7.8' RT	SEE SHEET LWM4-C
B1	5	12+65.7	9.9' RT	12+84.6	0.3' RT	SEE SHEET LWM4-C
B1	6	12+91.8	19.7' RT	12+88.4	0.3' RT	SEE SHEET LWM4-C
B2	1	12+64.3	0.7' RT	12+51.9	23.3' LT	SEE SHEET LWM4-C
B2	2	12+62.8	29.1' LT	12+43.3	3.2' LT	SEE SHEET LWM4-C
B2	3	12+56.1	28.2' LT	12+69.2	6.5' LT	SEE SHEET LWM4-C
B2	4	12+68.0	17.4' LT	12+39.4	6.4' LT	SEE SHEET LWM4-C
B2	5	12+68.5	12.4' LT	12+55.1	0.2' RT	SEE SHEET LWM4-C
B2	6	12+47.3	19.1' LT	12+51.1	0.3' RT	SEE SHEET LWM4-C
B3	1	13+06.1	1.3' RT	12+78.1	19.4' LT	SEE SHEET LWM4-C
B3	2	13+09.2	28.5' LT	12+85.4	3.4' RT	SEE SHEET LWM4-C
B3	3	12+86.8	27.8' LT	13+13.2	4.4' LT	SEE SHEET LWM4-C
B3	4	13+15.1	14.9' LT	12+81.0	3.5' RT	SEE SHEET LWM4-C
B3	5	13+14.2	9.9' LT	12+97.1	0.2' RT	SEE SHEET LWM4-C
B3	6	12+74.2	10.8' LT	12+93.5	1.5' RT	SEE SHEET LWM4-C
A1	1	13+21.1	23.6' RT	13+00.8	3.1' RT	SEE SHEET LWM3-C
A1	2	13+28.4	0.1' RT	13+03.4	27.4' RT	SEE SHEET LWM3-C
A1	3	13+05.3	41.6' RT	13+08.4	3.8' RT	SEE SHEET LWM3-C
A1	4	12+97.9	21.6' RT	13+29.3	6.0' RT	SEE SHEET LWM3-C
A1	5	13+15.7	25.0' RT	12+98.0	19.7' RT	SEE SHEET LWM3-C
A1	6	13+26.7	15.6' RT	13+19.8	2.8' LT	SEE SHEET LWM3-C
C5	1	13+14.1	11.1' LT	13+56.6	2.3' LT	SEE SHEET LWM5-C
C5	2	13+36.8	0.4' LT	13+64.0	12.4' LT	SEE SHEET LWM5-C
C5	3	13+31.7	17.9' LT	13+63.2	2.2' LT	SEE SHEET LWM5-C
C5	4	13+62.7	16.8' LT	13+26.7	1.5' RT	SEE SHEET LWM5-C
C5	5	13+50.1	19.4' LT	13+51.1	0.6' RT	SEE SHEET LWM5-C
C5	6	13+16.9	14.4' LT	13+31.8	0.4' RT	SEE SHEET LWM5-C
A2	1	13+48.9	21.3' RT	13+32.4	1.2' RT	SEE SHEET LWM3-C
A2	2	13+60.1	1.0' LT	13+37.6	24.9' RT	SEE SHEET LWM3-C
A2	3	13+39.7	38.8' RT	13+39.7	0.7' RT	SEE SHEET LWM3-C
A2	4	13+32.4	20.1' RT	13+61.2	4.6' RT	SEE SHEET LWM3-C
A2	5	13+45.4	22.1' RT	13+32.3	18.5' RT	SEE SHEET LWM3-C
A2	6	13+57.8	14.3' RT	13+52.0	5.0' LT	SEE SHEET LWM3-C

NOTES:

1. DASHED LINES INDICATE BURIED LOGS.
2. SEE SHEETS LWM3-B, LWM4-B, AND LWM5-B FOR LOG ID NUMBERS.
3. LOCATIONS AND ORIENTATIONS OF LARGE WOODY MATERIAL (LWM) STRUCTURES AS SHOWN ON THIS SHEET ARE APPROXIMATE AND WILL BE DIRECTED BY THE ENGINEER IN THE FIELD. SEE SPECIAL PROVISION "LARGE WOODY MATERIAL (LWM) STRUCTURES".

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL PLAN

PLAN REF NO LWM2-B

SHEET 429 OF 1241 SHEETS

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DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

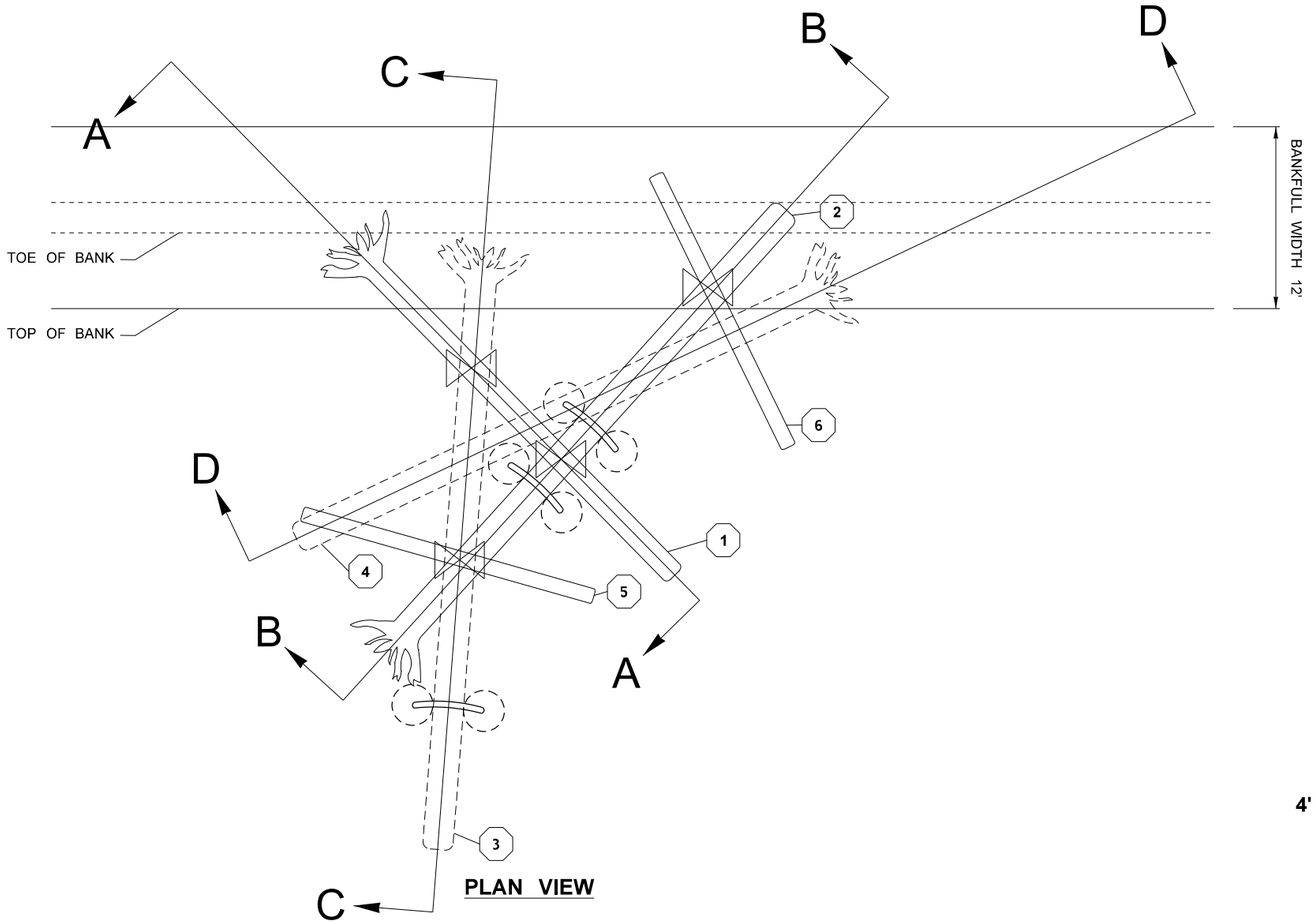
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

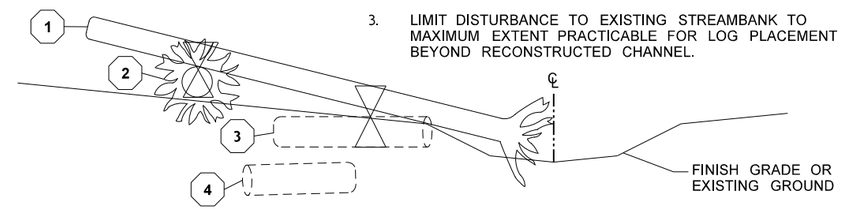
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_LWM_002.dgn

NOTES:

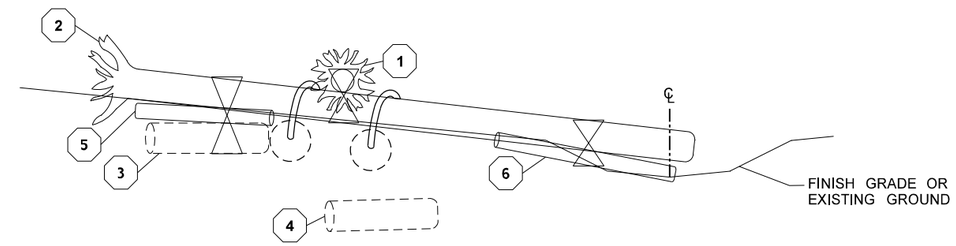
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT TO BE DIRECTED BY ENGINEER IN FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



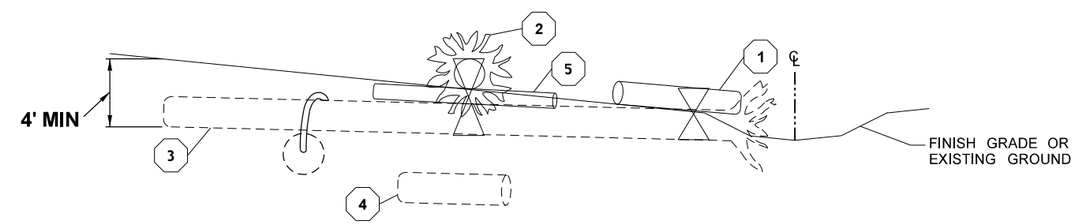
PLAN VIEW



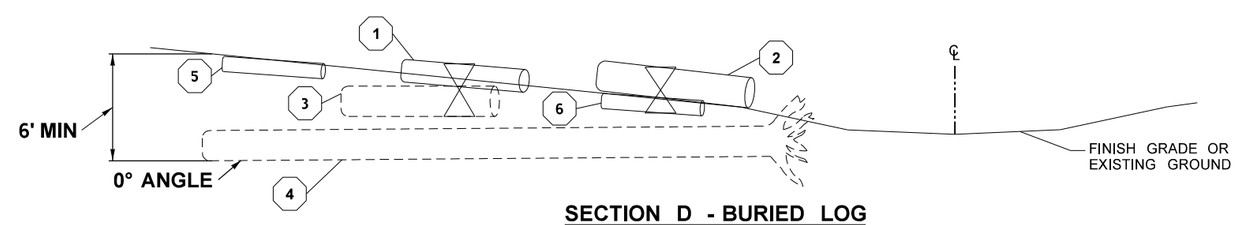
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

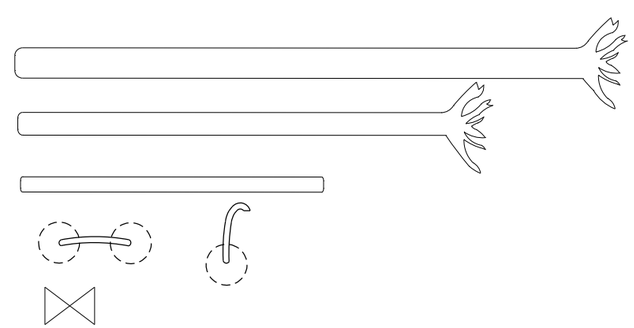


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



LARGE WOOD CLUSTER TYPE A

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

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DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

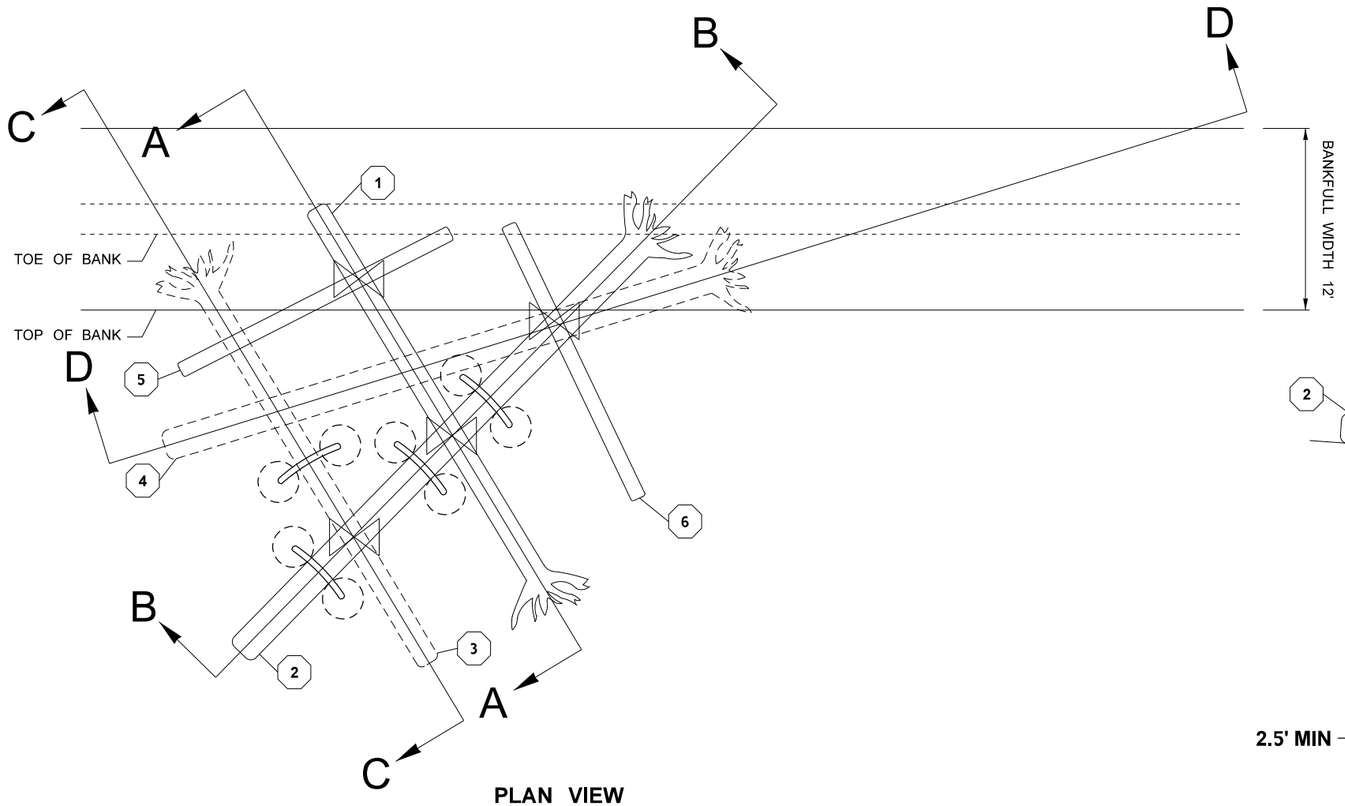
PLAN REF NO LWM3-B

SHEET 430 OF 1241 SHEETS

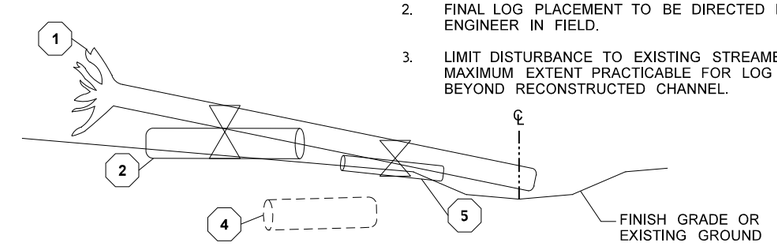
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_LWM_001.dgn

NOTES:

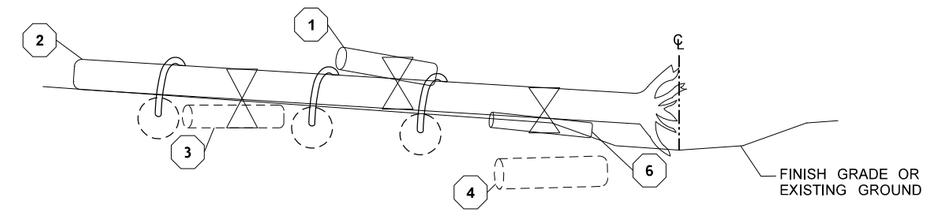
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT TO BE DIRECTED BY ENGINEER IN FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



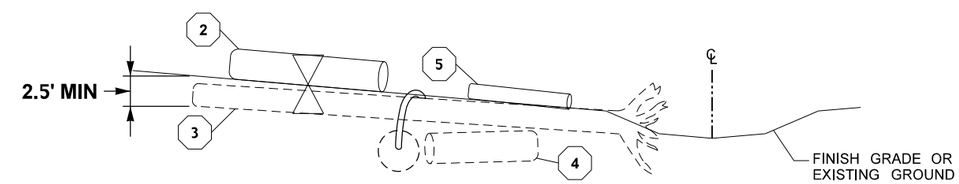
PLAN VIEW



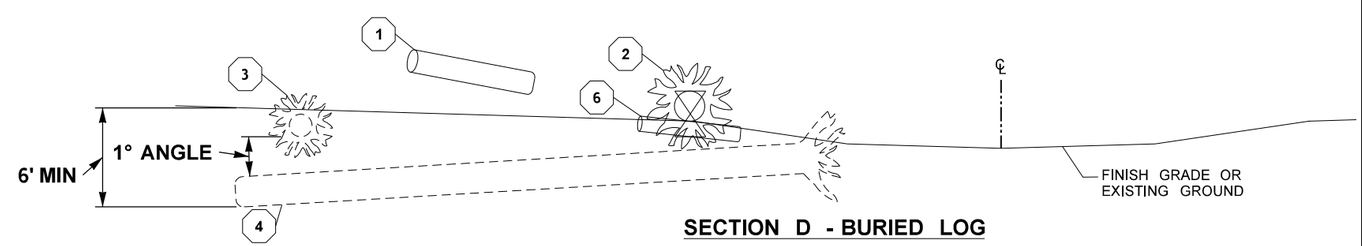
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

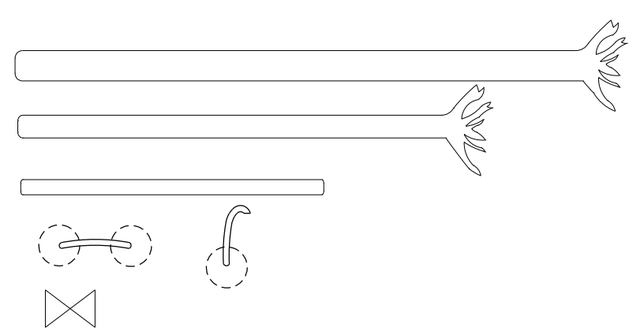


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



LARGE WOOD CLUSTER TYPE B

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

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PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO LWM4-B

SHEET 431 OF 1241 SHEETS

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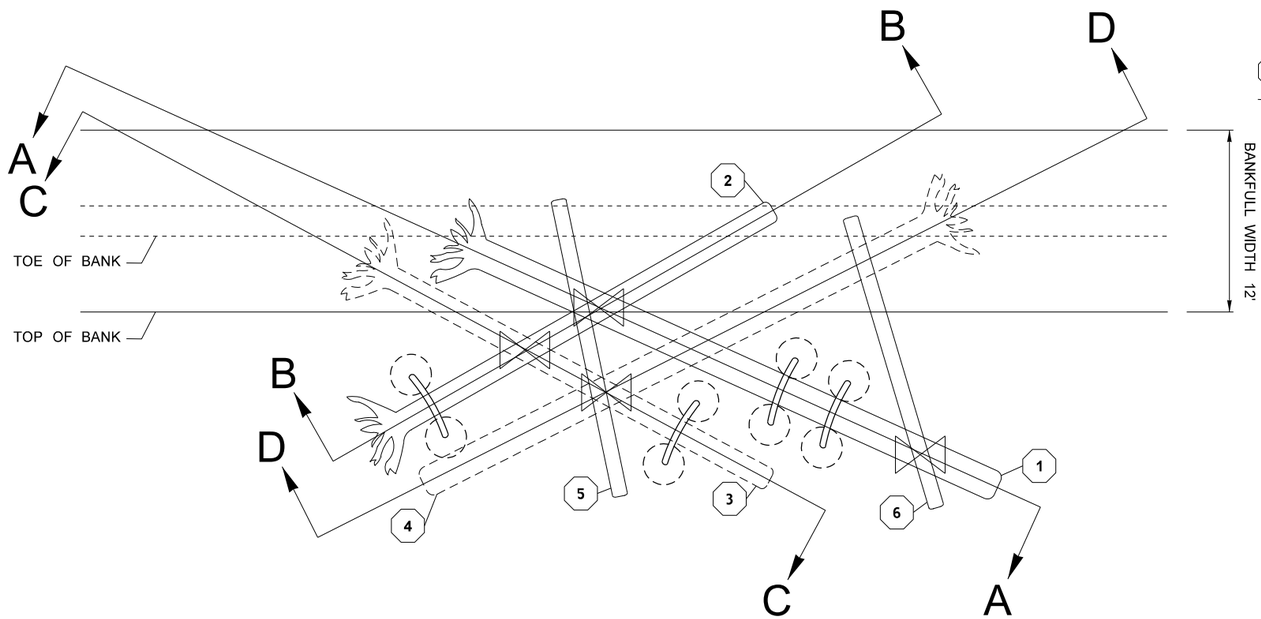
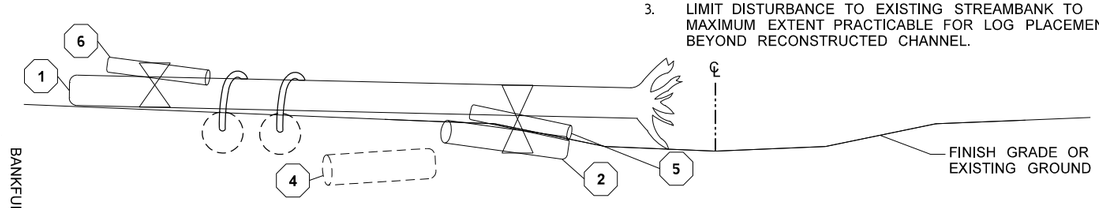
NOTES:

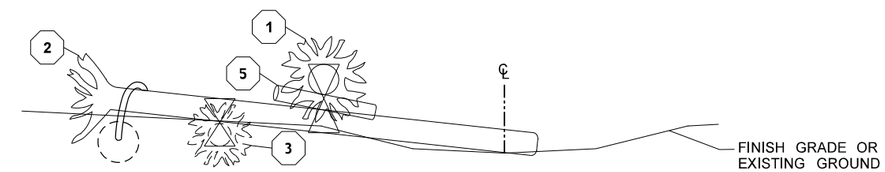
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT SUBJECT TO APPROVAL OF ENGINEER IN THE FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



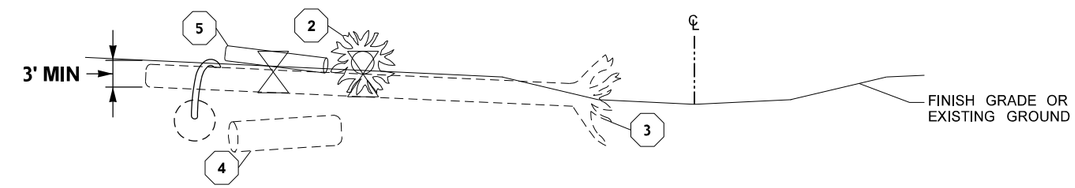
PLAN VIEW



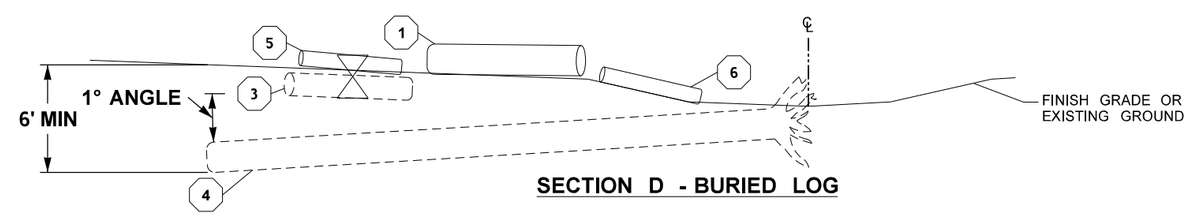
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

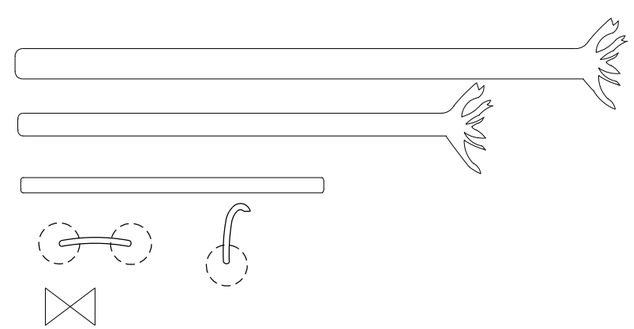


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



LARGE WOOD CLUSTER TYPE C

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_LWM_003.dgn
TIME	10:48:44 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

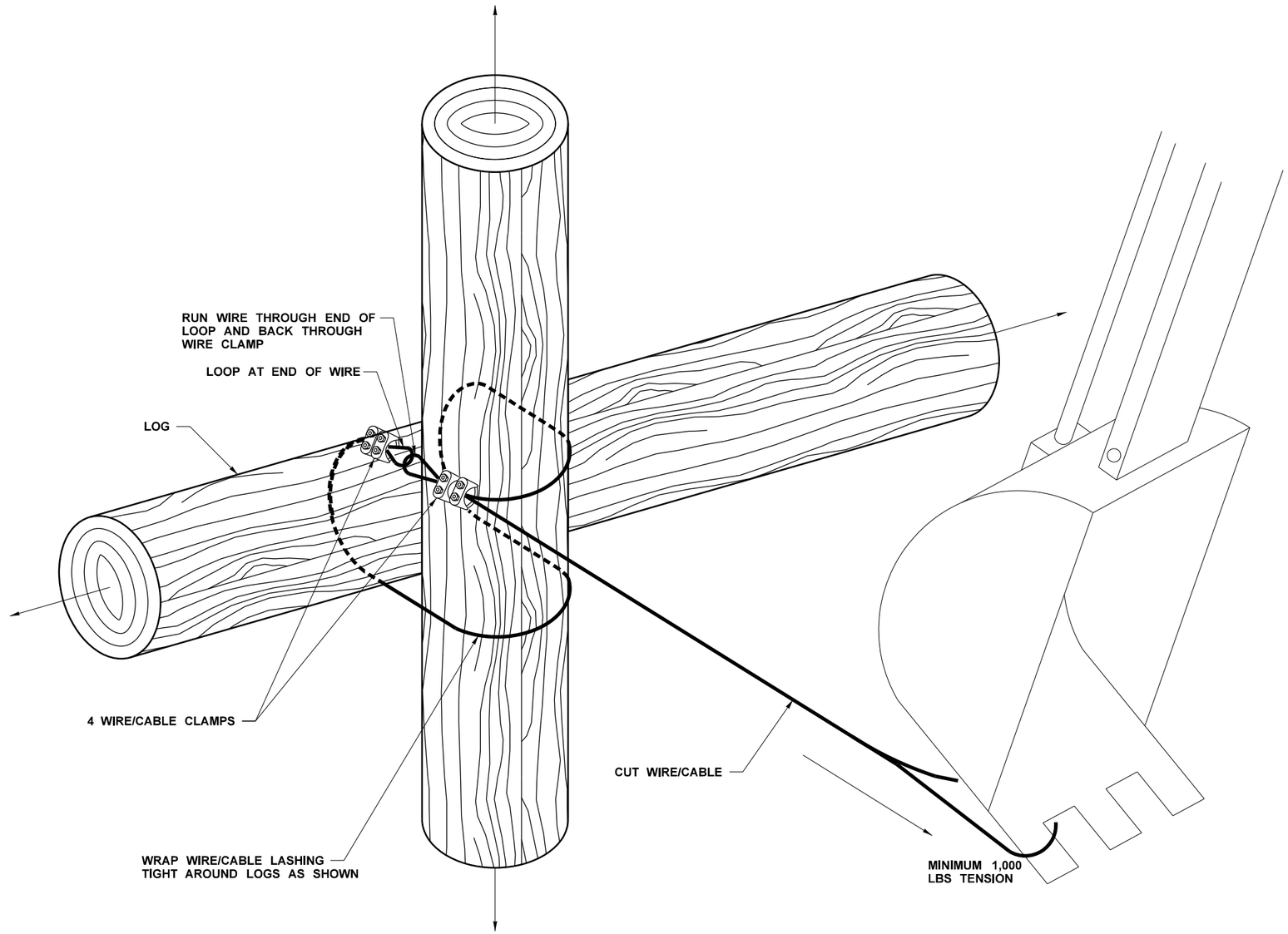
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO LWM5-B

SHEET 432 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_LWM_003.dgn



WIRE-ROPE LASHING CONNECTION

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

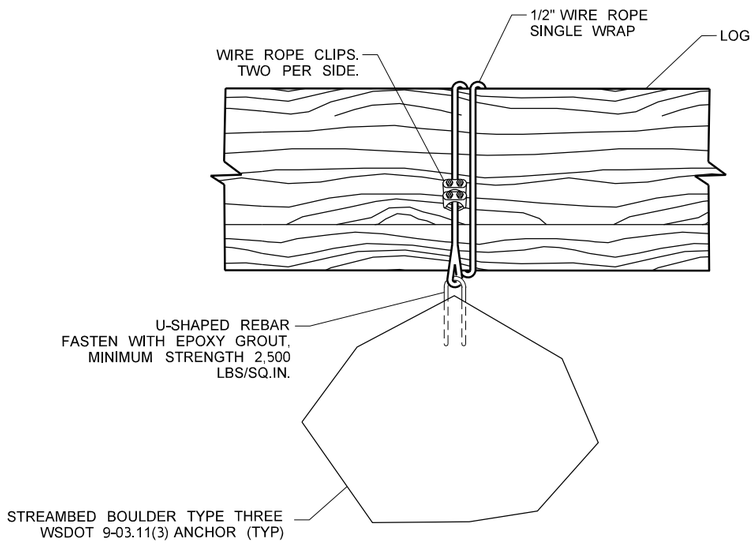
PLAN REF NO LWM6-B

SHEET 433 OF 1241 SHEETS

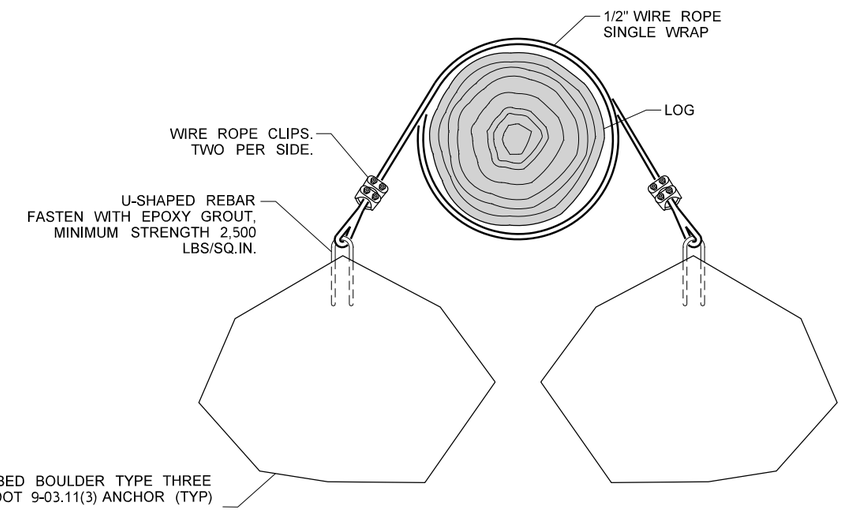
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_LWM_004.dgn

NOTES:

1. ROCK SHALL BE SUFFICIENTLY HARD TO NOT BREAK WHEN UNLOADED FROM THE HAUL VEHICLE AND/OR DROPPED FROM UP TO 8 FT AT THE STAGING AREA. ROCK BROKEN DURING TESTING SHALL BE REJECTED.
2. HOLES DRILLED IN ROCKS MUST BE THOROUGHLY CLEANED OF ALL ROCK POWDER, DIRT, AND DEBRIS PRIOR TO PLACEMENT OF EPOXY.
3. THE WIRE ROPE SHALL BE NON-OILED AND NON-GALVANIZED.
4. BOULDERS SHALL BE FULLY BURIED.



SIDE VIEW



SECTION VIEW

TYPICAL DETAIL ROCK COLLAR

NTS

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	10:48:49 AM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	R. WILCOX
CHECKED BY	J. GAGE
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

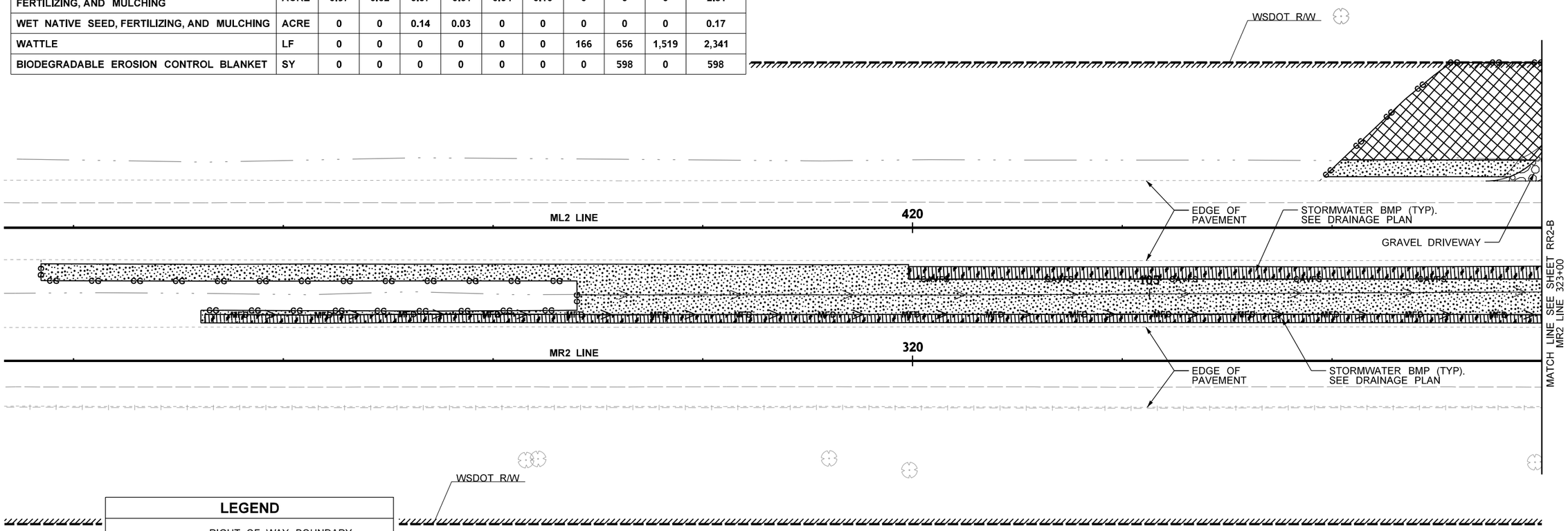
LARGE WOODY MATERIAL DETAILS

PLAN REF NO LWM7-B

SHEET 434 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_LWM_005.dgn

ITEM	UNIT	QTY RR1-B	QTY RR2-B	QTY RR3-B	QTY RR4-B	QTY RR5-B	QTY RR6-B	QTY RR7-B	QTY RR8-B	QTY RR9-B	TOTAL QUANTITY
SOIL DECOMPACTION	SY	1,691	3,123	3,543	3,788	1,925	474	0	0	0	14,544
2" FINE COMPOST BLANKET	ACRE	0.27	0.46	0.57	0.52	0.38	0.10	0	0	0	2.30
4" SOIL AMENDMENT	ACRE	0.08	0.23	0.42	0.46	0.01	0	0	0	0	1.20
3" BARK OR WOODCHIP MULCH BLANKET	ACRE	0.08	0.23	0.28	0.43	0.01	0	0	0	0	1.03
EROSION CONTROL AND POLLINATOR SEED, FERTILIZING, AND MULCHING	ACRE	0.37	0.62	0.57	0.61	0.54	0.10	0	0	0	2.81
WET NATIVE SEED, FERTILIZING, AND MULCHING	ACRE	0	0	0.14	0.03	0	0	0	0	0	0.17
WATTLE	LF	0	0	0	0	0	0	166	656	1,519	2,341
BIODEGRADABLE EROSION CONTROL BLANKET	SY	0	0	0	0	0	0	0	598	0	598



LEGEND

- RIGHT OF WAY BOUNDARY
- EXISTING TREE
- GUARDRAIL
- RETAINING WALL
- CG — CLEAR AND GRUB
- CUT — CUT LINE
- FILL — FILL LINE
- MFD — MEDIA FILTER DRAIN
- CAVFS — COMPOST AMENDED VEGETATED FILTER STRIPS
- EXISTING WETLAND
- OHW — EXISTING OHW
- EXISTING DITCH LINE
- NEW DITCH LINE
- STREAM BUFFER
- WETLAND BUFFER

RESTORATION LEGEND

- 10" SOIL DECOMPACTION
- 2" FINE COMPOST BLANKET
- EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
- EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 3)
- 14" SOIL DECOMPACTION
- 4" SOIL AMENDMENT
- 3" BARK OR WOODCHIP MULCH BLANKET

0 25 50
SCALE IN FEET

NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	12:15:15 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

STATE OF WASHINGTON JON G. GAGE SIGNATURE NO. 892 EXP. 03/17/23 LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

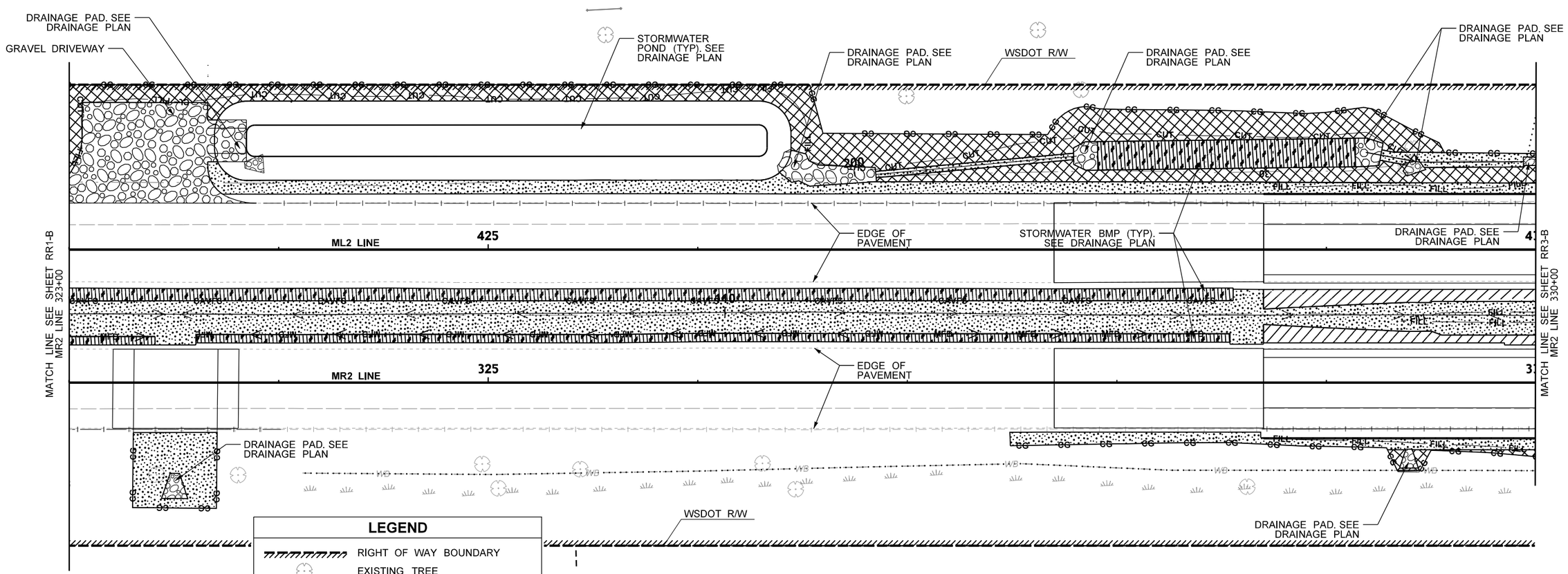
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR1-B

SHEET 435 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_001.dgn



LEGEND

- RIGHT OF WAY BOUNDARY
- EXISTING TREE
- GUARDRAIL
- RETAINING WALL
- CG — CG — CLEAR AND GRUB
- CUT — CUT LINE
- FILL — FILL LINE
- MFD — MEDIA FILTER DRAIN
- CAVFS — COMPOST AMENDED VEGETATED FILTER STRIPS
- EXISTING WETLAND
- OHW — EXISTING OHW
- EXISTING DITCH LINE
- NEW DITCH LINE
- STREAM BUFFER
- WETLAND BUFFER

0 25 50
SCALE IN FEET

RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 3)
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	3" BARK OR WOODCHIP MULCH BLANKET
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

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TIME	12:15:29 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40177 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/2023

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO RR2-B

SHEET 436 OF 1241 SHEETS

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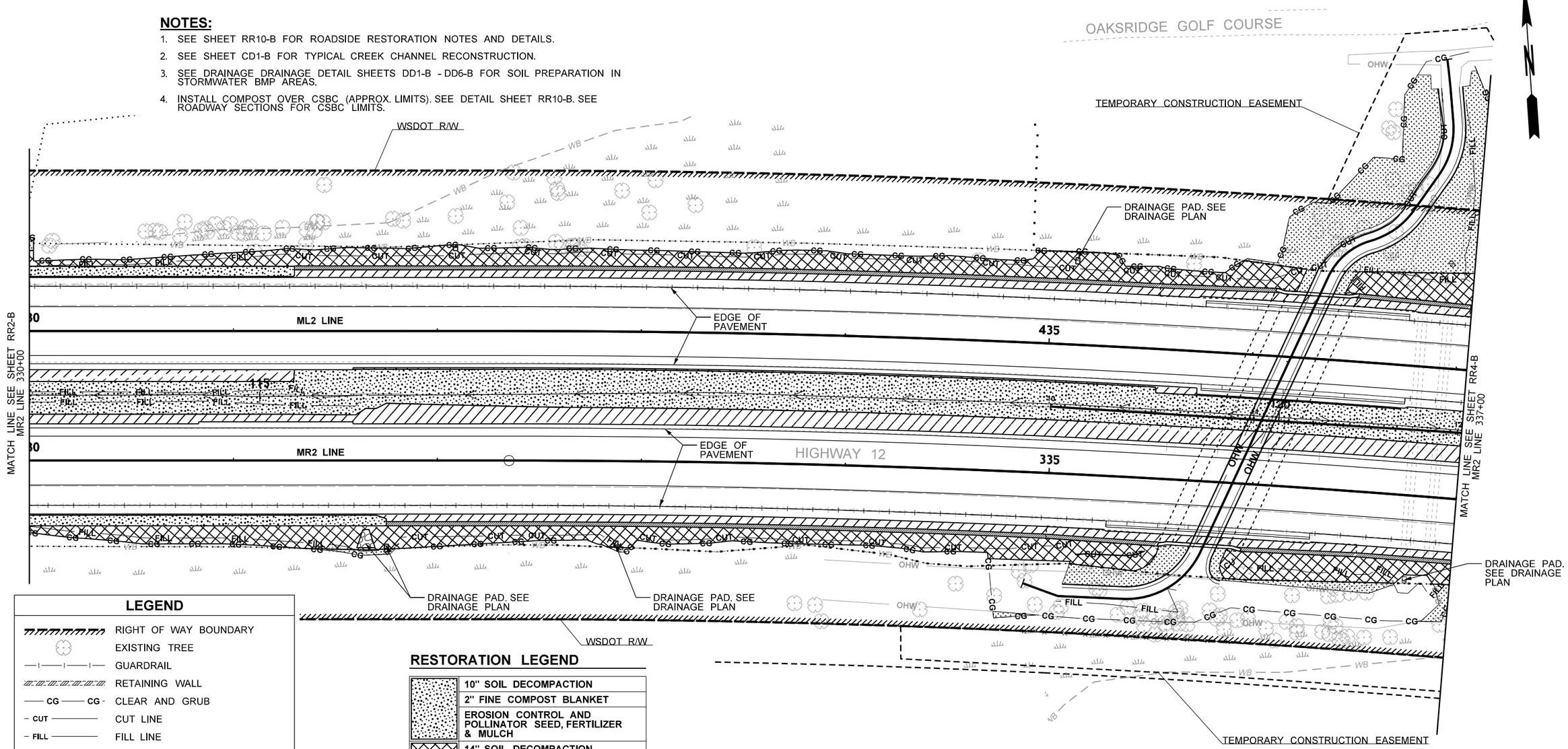
NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.



LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	3" BARK OR WOODCHIP MULCH BLANKET
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	WET NATIVE SEED, FERTILIZER & MULCH
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_RR_003.dgn
TIME	12:15:41 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40010 REGISTERED PROFESSIONAL ENGINEER 03/17/2023

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

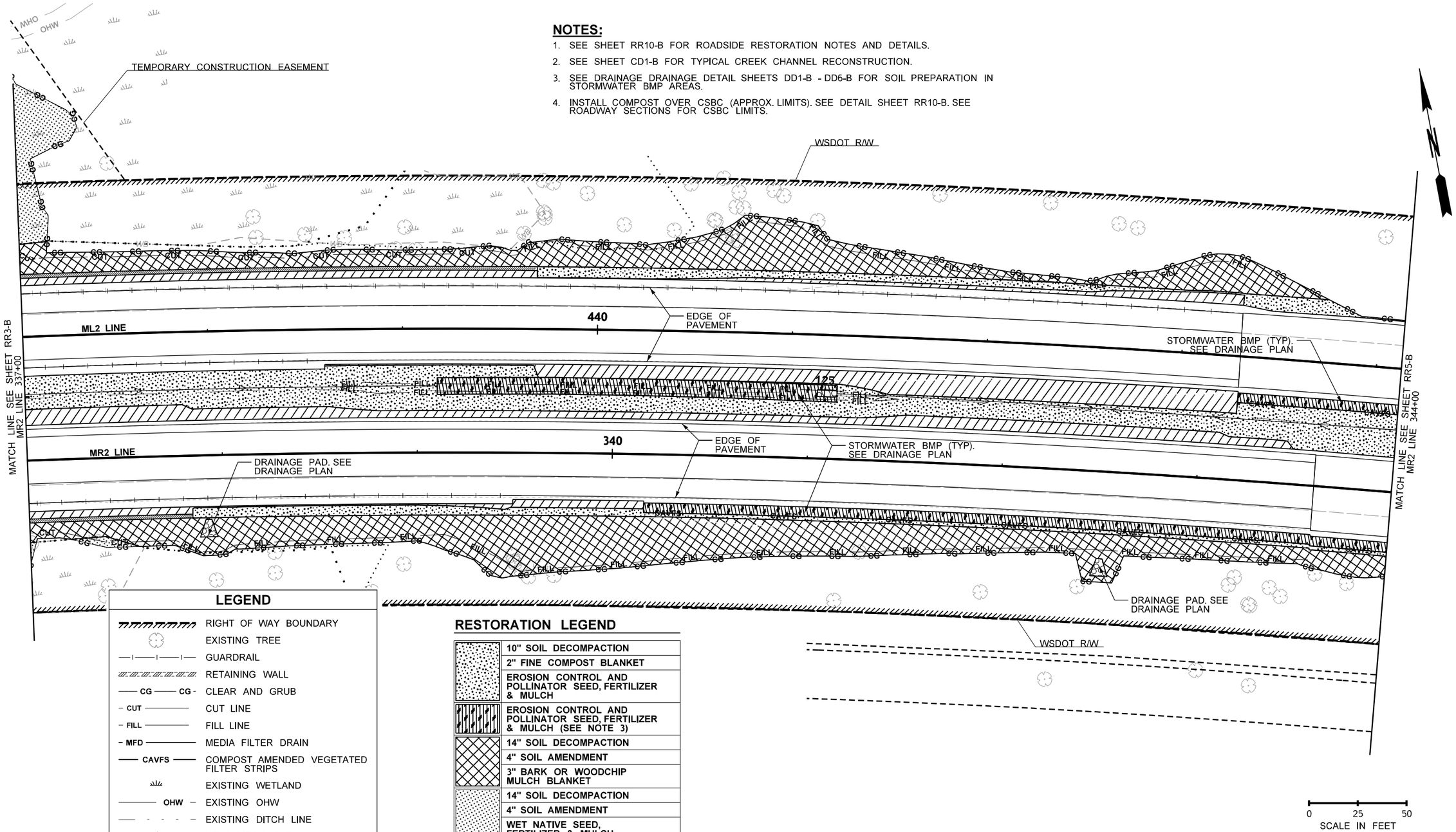
PLAN REF NO RR3-B

SHEET 437 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_003.dgn

NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.



LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 3)
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	3" BARK OR WOODCHIP MULCH BLANKET
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	WET NATIVE SEED, FERTILIZER & MULCH
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

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DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

STATE OF WASHINGTON JON C. GAGE LICENSED LANDSCAPE ARCHITECT NO. 802 EXP. 03/11/2023

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

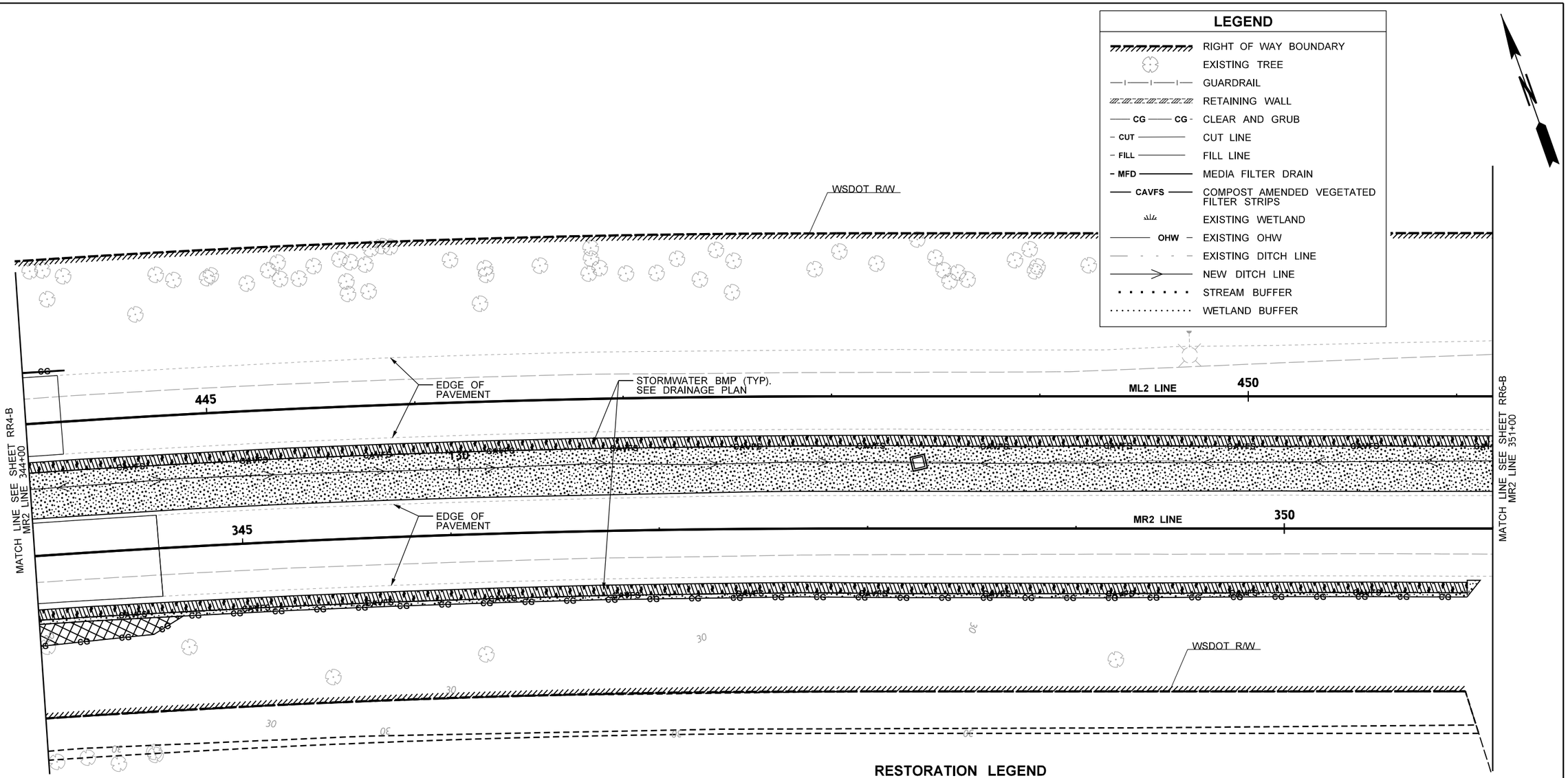
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO RR4-B

SHEET 438 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_004.dgn



RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 3)
	14" SOIL DECOMPACTION
	4" SOIL AMENDMENT
	3" BARK OR WOODCHIP MULCH BLANKET

NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

STATE OF WASHINGTON JON C. GAGE LICENSED LANDSCAPE ARCHITECT NO. 892 EXP. 03/17/2023

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

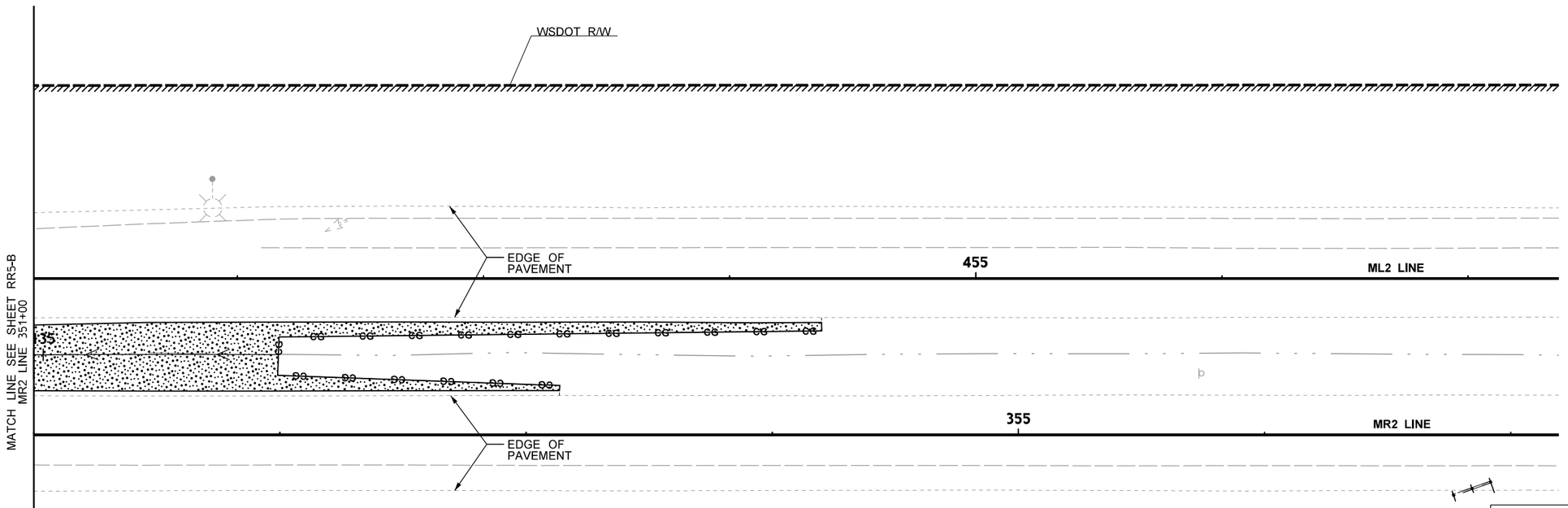
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO
RR5-B

SHEET 439 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_005.dgn



RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH

LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG — CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

NOTES:

1. SEE SHEET RR10-B FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEET CD1-B FOR TYPICAL CREEK CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DRAINAGE DETAIL SHEETS DD1-B - DD6-B FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR10-B. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_RR_006.dgn
TIME	12:16:29 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

STATE OF WASHINGTON JON C. GAGE COMMUNITY & ECOLOGICAL RESTORATION LICENSED LANDSCAPE ARCHITECT NO. 892 EXP. 03/17/23

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

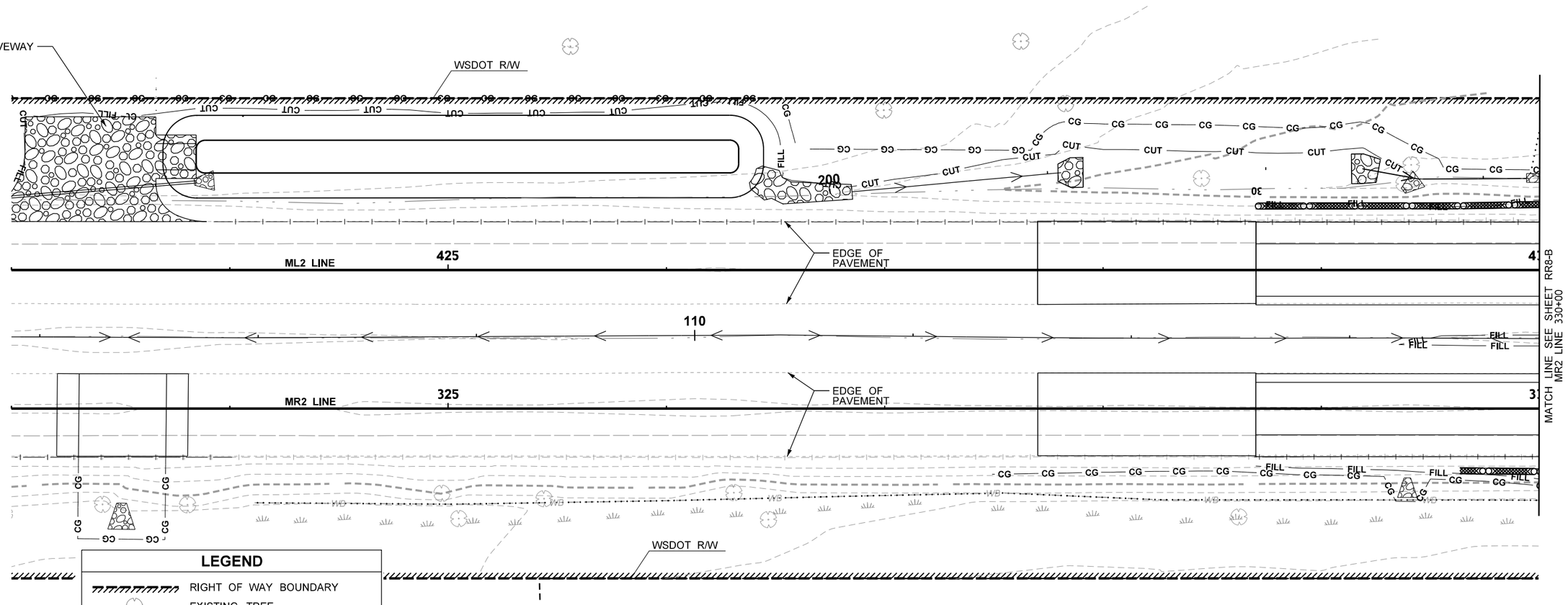
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR6-B

SHEET 440 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_006.dgn



LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

BIOENGINEERING LEGEND

	WATTLE

NOTES:

1. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT STANDARD PLAN I-60.10 AND ANCHOR BLANKET WITH 2"x4"x18" WOOD STAKE, RIPPED DIAGONALLY.
2. SEE SHEETS CD1-B - CD2-B FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

BIOENGINEERING PLAN

PLAN REF NO RR7-B

SHEET 441 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_RR_007.dgn
TIME	12:16:34 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40192 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/2023 REGISTERED LANDSCAPE ARCHITECT

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

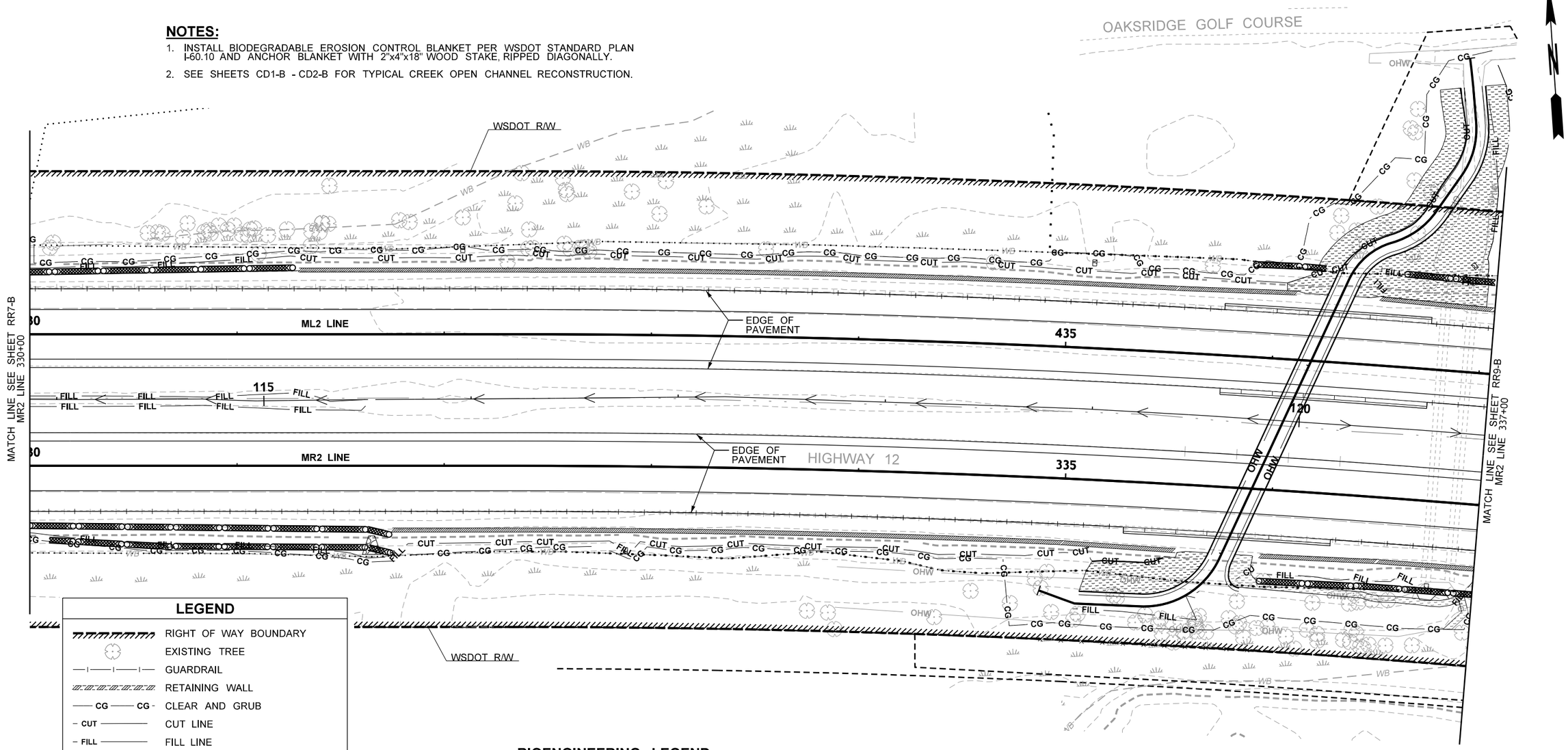
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_007.dgn

NOTES:

1. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT STANDARD PLAN I-60.10 AND ANCHOR BLANKET WITH 2"x4"x18" WOOD STAKE, RIPPED DIAGONALLY.
2. SEE SHEETS CD1-B - CD2-B FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.



LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

BIOENGINEERING LEGEND

	BIODEGRADABLE EROSION CONTROL BLANKET
	WATTLE

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_RR_008.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	12:16:42 PM						
DATE	12/13/2022				JOB NUMBER 21C522		
PLOTTED BY	Fts						
DESIGNED BY	J. GAGE						
ENTERED BY	T. DANISCH				CONTRACT NO. XL6115		LOCATION NO.
CHECKED BY	K. COMINGS						
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

STATE OF WASHINGTON JON C. GAGE 40912 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/2023
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

BIOENGINEERING PLAN

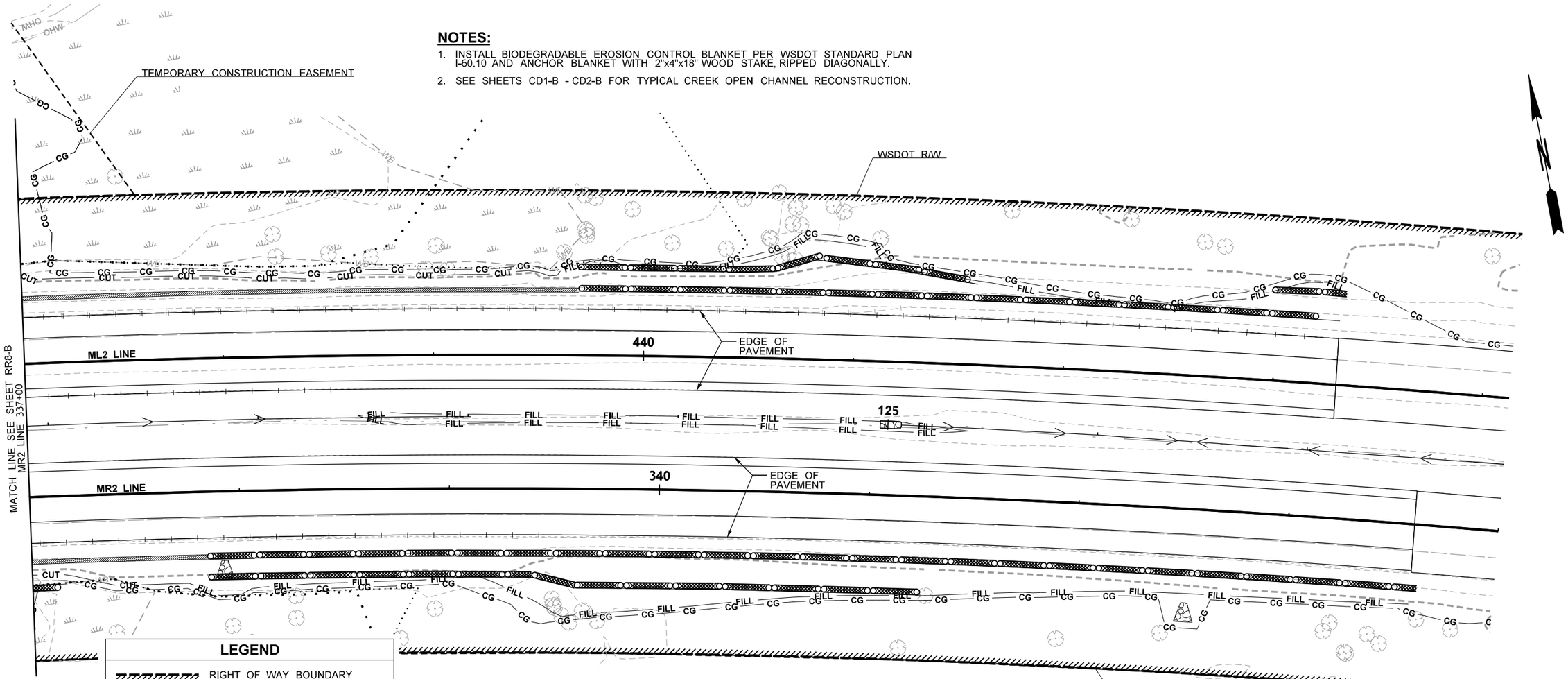
PLAN REF NO RR8-B

SHEET 442 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_008.dgn

NOTES:

1. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET PER WSDOT STANDARD PLAN I-60.10 AND ANCHOR BLANKET WITH 2"x4"x18" WOOD STAKE, RIPPED DIAGONALLY.
2. SEE SHEETS CD1-B - CD2-B FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.



LEGEND

	RIGHT OF WAY BOUNDARY
	EXISTING TREE
	GUARDRAIL
	RETAINING WALL
CG	CLEAR AND GRUB
CUT	CUT LINE
FILL	FILL LINE
MFD	MEDIA FILTER DRAIN
CAVFS	COMPOST AMENDED VEGETATED FILTER STRIPS
	EXISTING WETLAND
OHW	EXISTING OHW
	EXISTING DITCH LINE
	NEW DITCH LINE
	STREAM BUFFER
	WETLAND BUFFER

BIOENGINEERING LEGEND

	WATTLE

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

BIOENGINEERING PLAN

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_RR_009.dgn
TIME	12:16:47 PM
DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	J. GAGE
ENTERED BY	T. DANISCH
CHECKED BY	K. COMINGS
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

LOCATION NO.

STATE OF WASHINGTON JON GAGE 40704 REGISTERED PROFESSIONAL ENGINEER NO. 893 EXP. 03/17/2023 LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

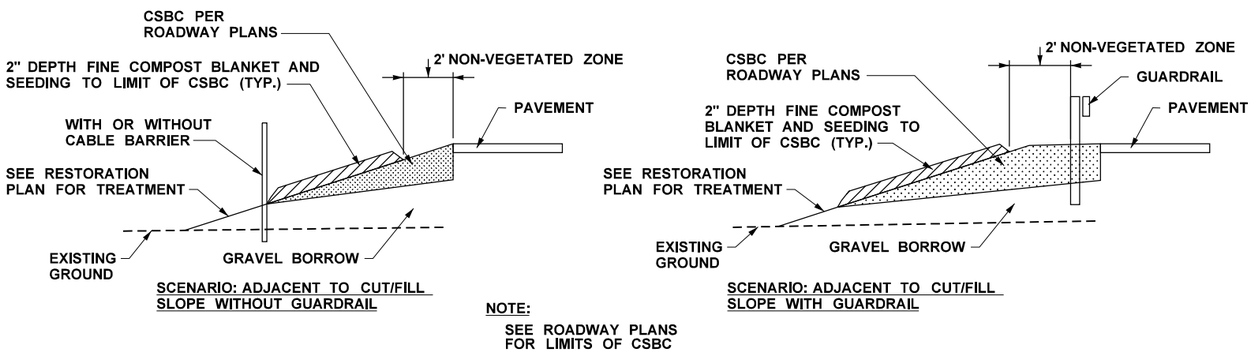
PLAN REF NO RR9-B

SHEET 443 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_RR_009.dgn

RESTORATION NOTES:

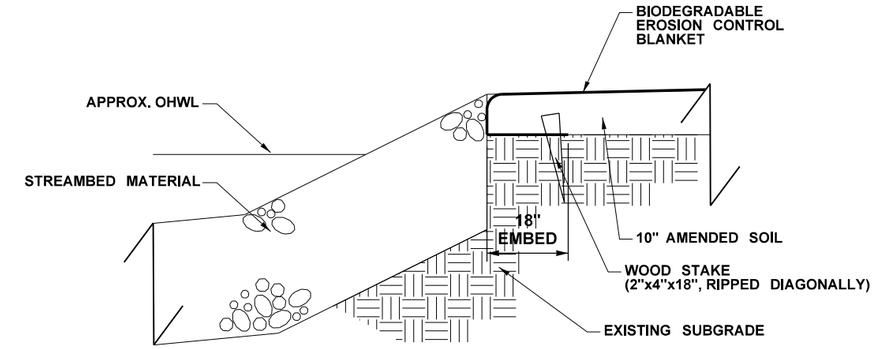
1. SAVE AND PROTECT EXISTING DESIREABLE VEGETATION PER SECTION 1-07.16(2) IN THE STANDARD SPECIFICATIONS.
2. DECOMPACT SOILS AT ALL STABILIZED CONSTRUCTION ENTRANCES AND TEMPORARY ACCESS ROADS. RESTORE GRADE WITH TOPSOIL TYPE A (AS NEEDED) AND DE-COMPACT SOILS TO AN 18" DEPTH IN PLANTING AREAS. RESTORE OTHER TEMPORARILY DISTURBED AREAS AS DIRECTED BY PROJECT ENGINEER UPON COMPLETION OF WORK.
3. CONTRACTOR SHALL RESTORE ANY ADDITIONAL IMPACTS MADE TO STREAM BUFFER AREAS NOT SHOWN ON THESE PLANS.



NOTE:
SEE ROADWAY PLANS FOR LIMITS OF CSBC

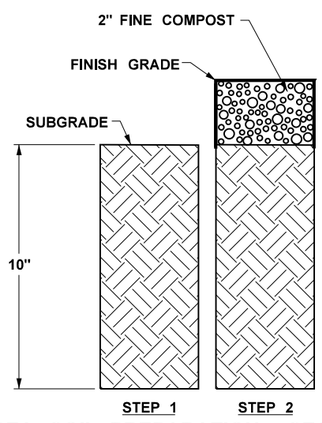
SEEDING OVER CSBC SOIL PREPARATION

NOT TO SCALE



BLANKET WRAP DETAIL

NOT TO SCALE



SEEDING AREA PREPARATION

STEP 1

SOIL DECOMPACTION (SUBGRADE) TO 10" DEPTH. ROADWAY EMBANKMENTS 3(H):1(V) OR STEEPER SHALL NOT BE DECOMPACTED. CLEAT-TRACK ONLY

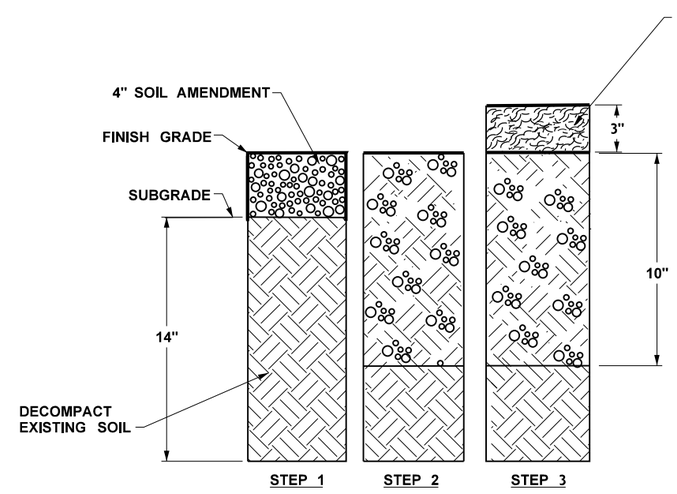
STEP 2

PLACE FINE COMPOST (SEE DRAINAGE PLAN FOR COMPOST DEPTH IN STORMWATER BMP AREAS)

SEEDING AREA SOIL PREPARATION - SEQUENCE OF WORK

SECTION VIEW

NOT TO SCALE



PLANTING AREA PREPARATION

STEP 1

SOIL DECOMPACTION (SUBGRADE) TO 14" DEPTH. PLACE SOIL AMENDMENT AFTER DECOMPACTION.

STEP 2

INCORPORATE SOIL AMENDMENT (FINE COMPOST) TO 10" DEPTH.

STEP 3

INSTALL BARK OR WOOD CHIP MULCH.

PLANTING AREA SOIL PREPARATION - SEQUENCE OF WORK

SECTION VIEW

NOT TO SCALE

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_RR_001.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	12:16:53 PM				JOB NUMBER 21C522		
DATE	12/13/2022						
PLOTTED BY	Fts						
DESIGNED BY	K. COMINGS						
ENTERED BY	T. DANISCH						
CHECKED BY	J. GAGE				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

STATE OF WASHINGTON JON C. GAGE STATE OF DESIGN ENGINEER 22-802 EXP. 03/17/2023 LICENSED LANDSCAPE ARCHITECT

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

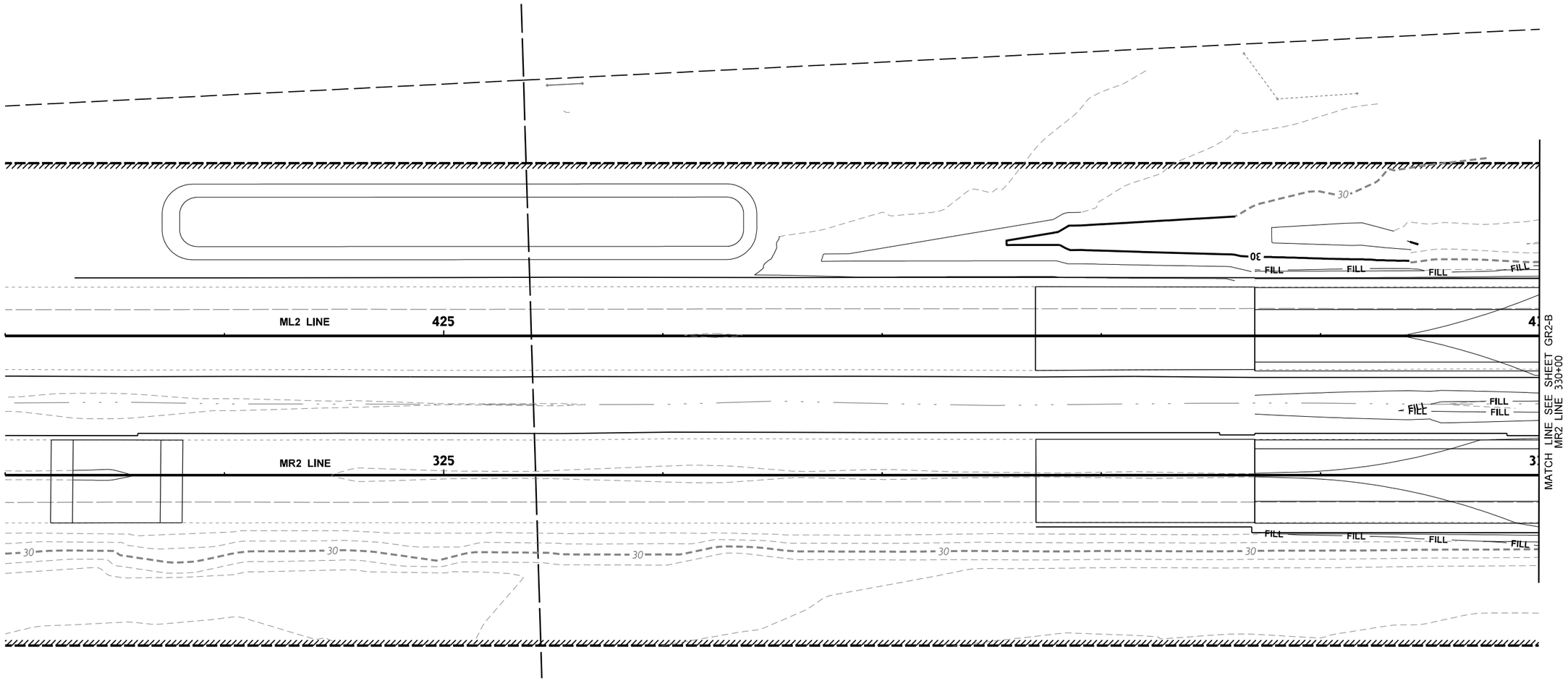
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

RESTORATION DETAILS AND NOTES

PLAN REF NO RR10-B

SHEET 444 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_RR_001.dgn



LEGEND

	LIMITED ACCESS BOUNDARY
	RIGHT OF WAY BOUNDARY
	TEMP CONSTRUCTION EASEMENT
CUT — FILL	LIMITS OF EARTHWORK
40	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:48:11 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE
10	WASH

JOB NUMBER 21C522

CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

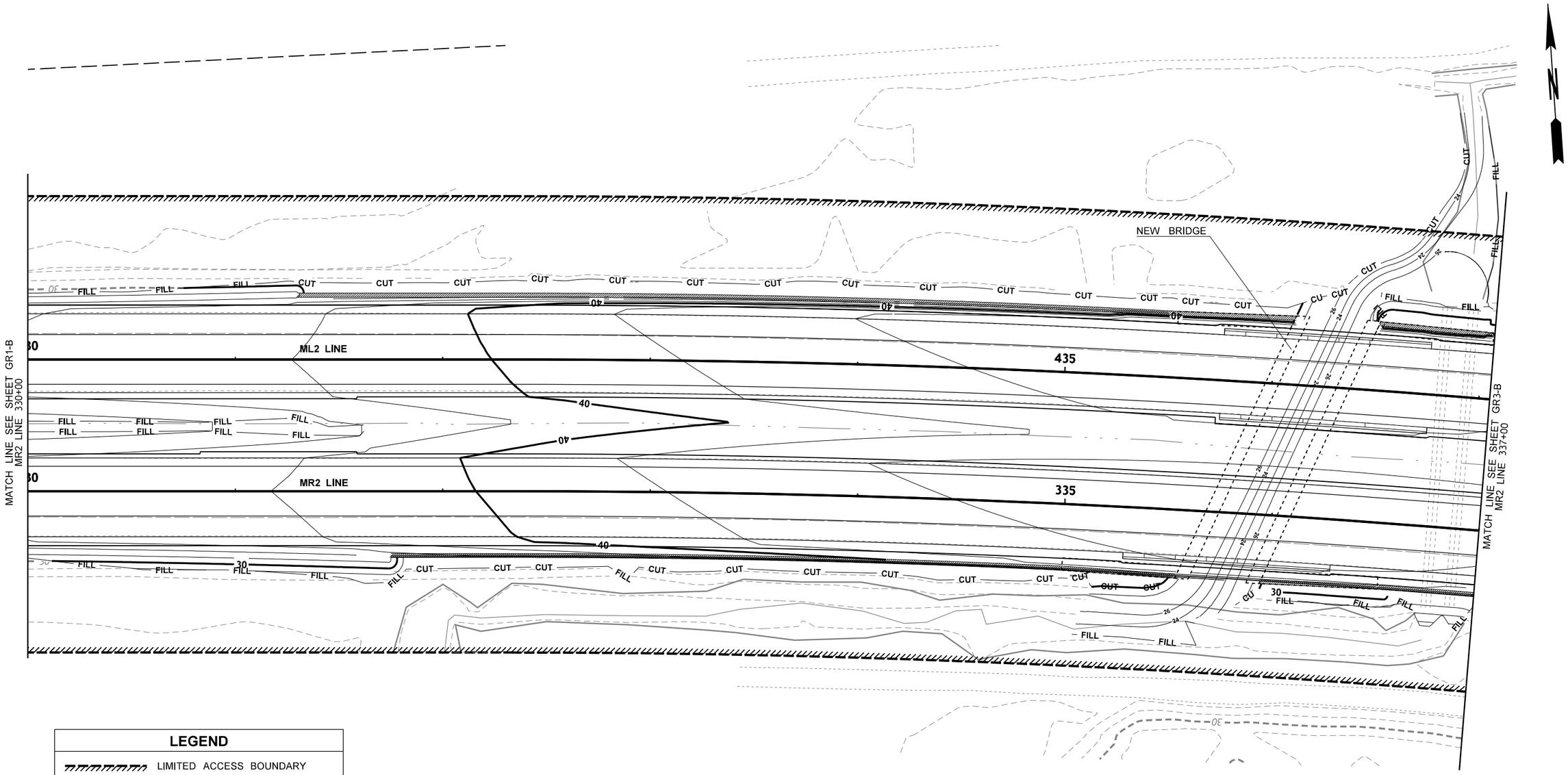
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR1-B

SHEET 445 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_GR_001.dgn



LEGEND

	LIMITED ACCESS BOUNDARY
	RIGHT OF WAY BOUNDARY
	TEMP CONSTRUCTION EASEMENT
CUT — FILL	LIMITS OF EARTHWORK
40	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

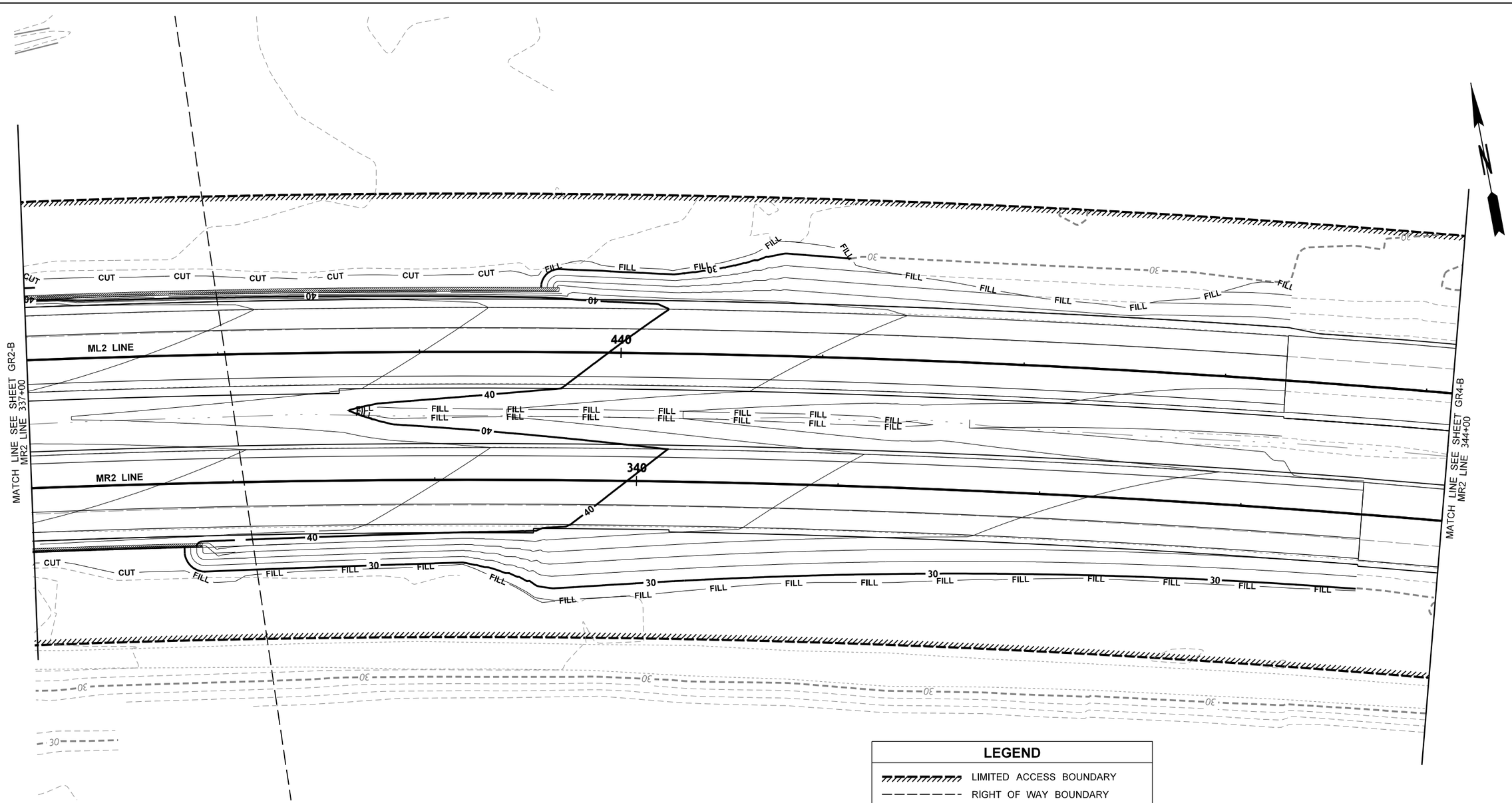
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR2-B

SHEET 446 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\0121\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_GR_002.dgn



LEGEND

	LIMITED ACCESS BOUNDARY
	RIGHT OF WAY BOUNDARY
	TEMP CONSTRUCTION EASEMENT
CUT — FILL	LIMITS OF EARTHWORK
40	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_GR_003.dgn
TIME	11:48:23 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001

JOB NUMBER 21C522
CONTRACT NO. XL6115
LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36146, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR3-B

SHEET 447 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_GR_003.dgn

LEGEND

	LIMITED ACCESS BOUNDARY
	RIGHT OF WAY BOUNDARY
	TEMP CONSTRUCTION EASEMENT
CUT — FILL	LIMITS OF EARTHWORK
40	MAJOR CONTOUR
	MINOR CONTOUR
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_GR_004.dgn
TIME	11:48:30 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR4-B

SHEET 448 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_GR_004.dgn

QUANTITY TABULATION - PAVING

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢		PLANING BITUMINOUS PAVEMENT	EXTRUDED CURB	BEAM GUARDRAIL TYPE 31 - 8 FT. LONG POST	BEAM GUARDRAIL TYPE 31		BEAM GUARDRAIL TRANSITION SECTION TYPE 21		BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	BEAM GUARDRAIL ANCHOR TYPE 11		PRECAST CONC. BARRIER TYPE F ANCHORED	HIGH TENSION CABLE BARRIER SYSTEM (4 CABLE)	WIRE FENCE TYPE 2		SEE GENERAL NOTES
			S.Y.	L.F.	L.F.	L.F.		EACH		EACH	EACH		L.F.	L.F.	L.F.		
PV1-B-1	ML2 415+86.0 (22.0 RT) TO 435+82.3 (22.0 RT)													1996			9
PV1-B-2	ML2 423+92.6 (22.0 LT) TO 427+70.0 (22.0 LT)					365					1						2, 13
PV1-B-3	MR2 317+30.0 (24.0 RT) TO 317+87.0 (24.0 RT)													57			15
PV1-B-4	MR2 323+20.9 TO 323+80.9		252														1, 14
PV1-B-5	MR2 323+01.5 (22.3 RT) TO 324+01.0 (22.3 RT)				100												2, 6
PV2-B-1	MR2 327+70.0 TO 328+70.0		422														1, 14
PV2-B-2	ML2 427+70.0 TO 428+70.0		421														1, 14
PV2-B-3	MR2 328+69.2 (22.0 RT) TO 331+75.0 (22.0 RT)				312.5												2, 6
PV2-B-4	MR2 331+75.0 (22.0 RT) TO 335+29.1 (22.0 RT)					300		1									2, 7
PV2-B-5	MR2 331+63.0 (22.0 RT) TO 335+29.2 (22.0 RT)			365													10, 11
PV2-B-6	ML2 427+78.0 (22.0 LT) TO 429+19.0 (22.0 LT)			141													10, 11
PV2-B-7	ML2 427+70.0 (22.0 LT) TO 431+32.5 (22.0 LT)				362.5												2
PV2-B-8	ML2 431+32.5 (22.0 LT) TO 435+75.0 (22.0 LT)					444.5											2, 13
PV3-B-1	MR2 335+29.0 (22.0 RT) TO 336+29.6 (22.0 RT)												100				3,8
PV3-B-2	MR2 336+29.1 (22.0 RT) TO 337+84.0 (22.0 RT)					100		1									2, 5, 7
PV3-B-3	ML2 435+75.0 (22.0 RT) TO 436+75.0 (22.0 RT)												100				3, 8
PV3-B-4	ML2 436+75.3 (22.0 RT) TO 439+56.9 (22.0 RT)					237.5		1									2, 7
PV3-B-5	ML2 435+75.0 (22.0 LT) TO 436+75.0 (22.0 LT)												100				3, 8, 13
PV3-B-6	MR2 336+29.2 (22.0 RT) TO 337+94.0 (22.0 RT)			164													10, 11
PV3-B-7	MR2 334+89.3 (78.0 RT) TO 335+97.4 (78.0 RT)														106		12
PV3-B-8	ML2 438+60.0 (22.0 RT) TO 453+87.0 (22.0 RT)													1523			9
PV3-B-9	MR2 337+84.0 (22.0 RT) TO 339+53.7 (22.0 RT)				163.5						1						2, 5
PV3-B-10	ML2 437+23.11 (16.0 RT) TO 438+10.85 (16.0 RT)					87.5		1		1							2, 4, 7
PV4-B-1	MR2 343+60.0 TO 344+60.0		430														1, 14
PV4-B-2	ML2 443+30.0 TO 444+30.0		423														1, 14
PV4-B-3	ML2 439+56.9 (22.0 LT) TO 443+18.0 (22.0 LT)				312.5					1							2, 4
PV4-B-4	ML2 452+72.0 (22.0 LT) TO 453+29.4 (22.0 LT)													57.5			15
	SHEET TOTAL		1948	670	1251	1534.5		4		2	2		300	3633.5	106		
	SECTION B TOTAL		1948	670	1251	1534.5		4		2	2		300	3633.5	106		

GENERAL NOTES:

1. SEE SHEET RS1-B FOR BUTT JOINT PLANING DETAIL.
2. SEE STANDARD PLAN C-20.10, BEAM GUARDRAIL TYPE 31
3. SEE STANDARD PLAN C-24.10, GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER, D CONNECTION
4. SEE STANDARD PLAN C-22.40-09, BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS)
5. SEE STANDARD PLAN C-23.70-00, BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 11
6. SEE STANDARD PLAN C-25.80, BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR.
7. SEE STANDARD PLAN C-25.20, BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 21
8. SEE STANDARD PLAN C-60.10, CONCRETE BARRIER TYPE F (PRECAST)
9. SEE SHEETS RS4-B FOR HIGH TENSION CABLE BARRIER DETAILS
10. SEE STANDARD PLANS F-10.40, EXTRUDED CURB PLACEMENT
11. SEE STANDARD PLAN F-10.42, EXTRUDED CURB TYPE 2
12. SEE STANDARD PLAN L-10.10, WIRE FENCE TYPES 1 & 2 AND WIRE GATES
13. SEE STANDARD PLAN C-24.10, GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER, F CONNECTION
14. SEE PAVING PLAN AND ROADWAY SECTION SHEETS FOR PLANING BITUMIOUS PAVEMENT LOCATIONS
15. SEE SPECIAL PROVISIONS FOR TERMINATING EXISTING 3 CABLE BARRIER

		DATE	DATE	REVISION	BY
DESIGNED BY	H. EILERS				
ENTERED BY	H. EILERS				
CHECKED BY	M. FELIBERTI				
PROJ. ENGR.	B. ELLIOTT				
REGION ADM.	S. ROARK				

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

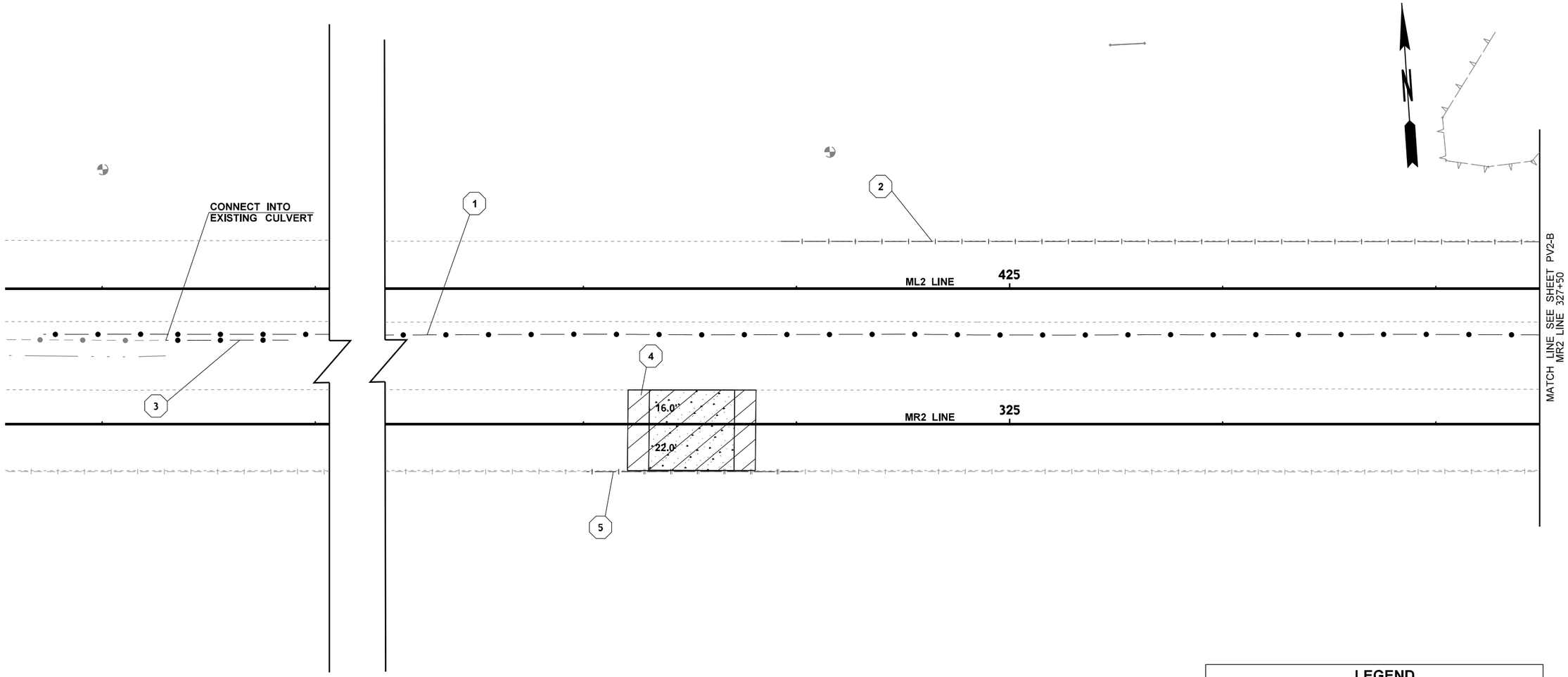
Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVING

QTPV1-B

SHEET 449 OF 1241 SHEETS



NOTES:

1. SEE SHEET RS1-B FOR BUTT JOINT PLANING DETAIL TO BE PLACED AT THE BEGIN AND END OF PAVING AS NEEDED.

0 25 50
SCALE IN FEET

LEGEND

	HOT MIX ASPHALT
	PLANING BITUMINOUS PAVEMENT
	EXISTING EDGE OF PAVED SHOULDER
	EXISTING FENCE
	EXISTING GUARDRAIL
	EXISTING CABLE BARRIER
	NEW EDGE OF PAVED SHOULDER
	NEW FENCE
	NEW GUARDRAIL
	NEW CABLE BARRIER
?	QUANTITY TAB NOTE
?? ??	QUANTITY TAB NOTE CONTINUATION

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36346 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO
PV1-B

SHEET 450 OF 1241 SHEETS

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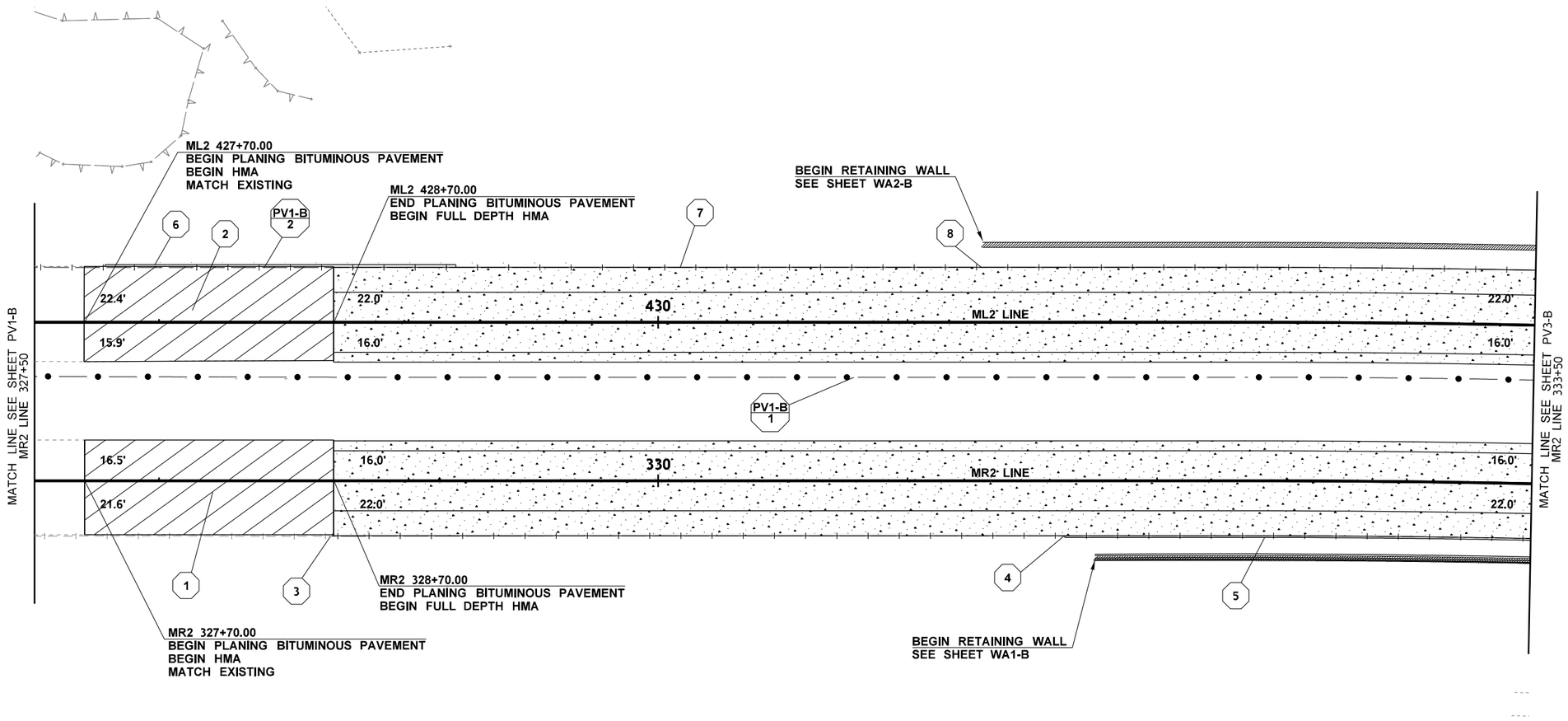

LEGEND

- HOT MIX ASPHALT
- PLANING BITUMINOUS PAVEMENT
- EXISTING EDGE OF PAVED SHOULDER
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING CABLE BARRIER
- NEW EDGE OF PAVED SHOULDER
- NEW FENCE
- NEW GUARDRAIL
- NEW CABLE BARRIER
- QUANTITY TAB NOTE
- QUANTITY TAB NOTE CONTINUATION

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REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

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P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO PV2-B

SHEET 451 OF 1241 SHEETS

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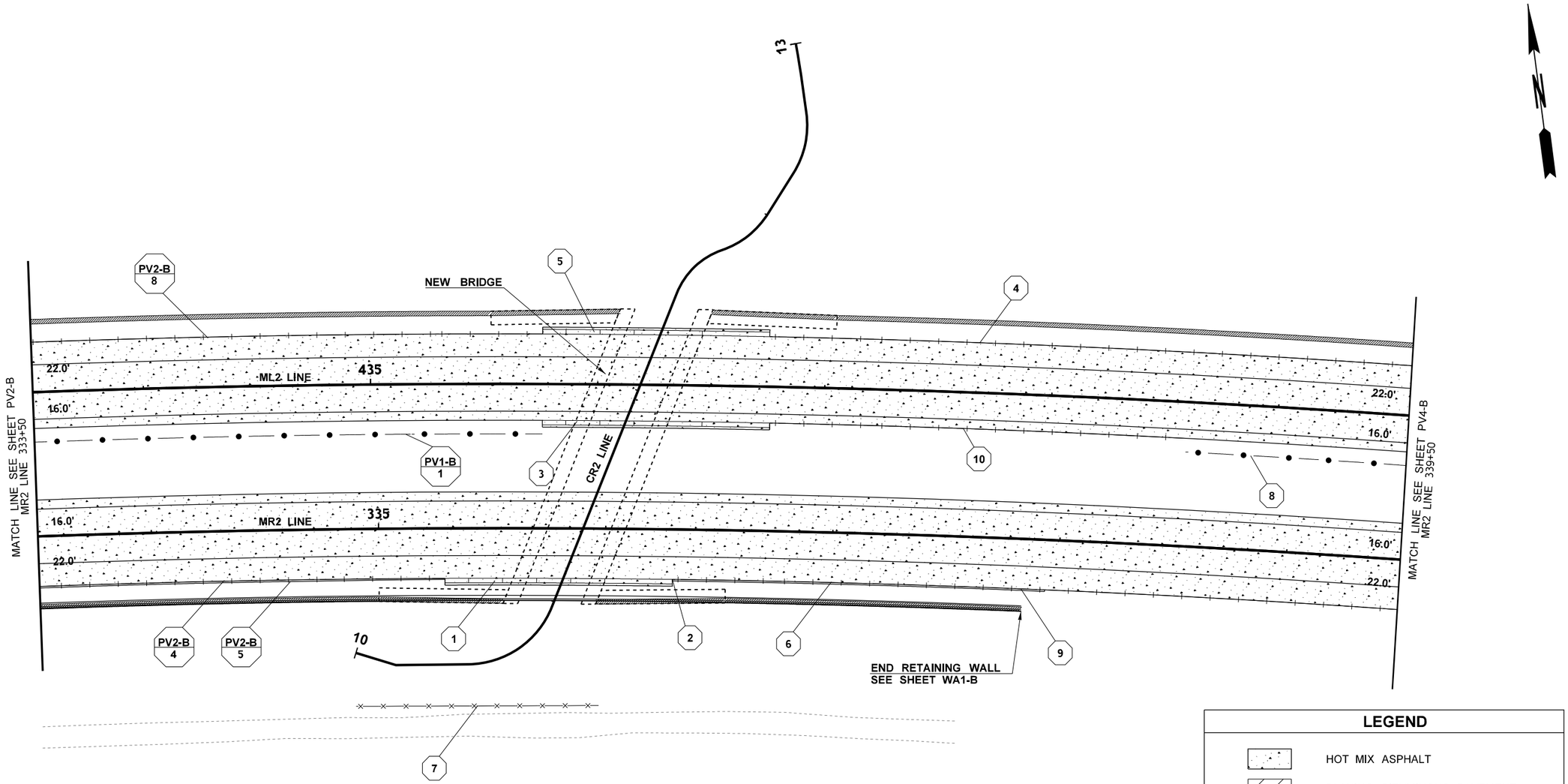

LEGEND

- HOT MIX ASPHALT
- PLANING BITUMINOUS PAVEMENT
- EXISTING EDGE OF PAVED SHOULDER
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING CABLE BARRIER
- NEW EDGE OF PAVED SHOULDER
- NEW FENCE
- NEW GUARDRAIL
- NEW CABLE BARRIER
- QUANTITY TAB NOTE
- QUANTITY TAB NOTE CONTINUATION

NOTES:

1. SEE SHEET RS1-B FOR BUTT JOINT PLANING DETAIL TO BE PLACED AT THE BEGIN AND END OF PAVING AS NEEDED.

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US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36346 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

P.E. STAMP BOX
DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO
PV3-B

SHEET 452 OF 1241 SHEETS

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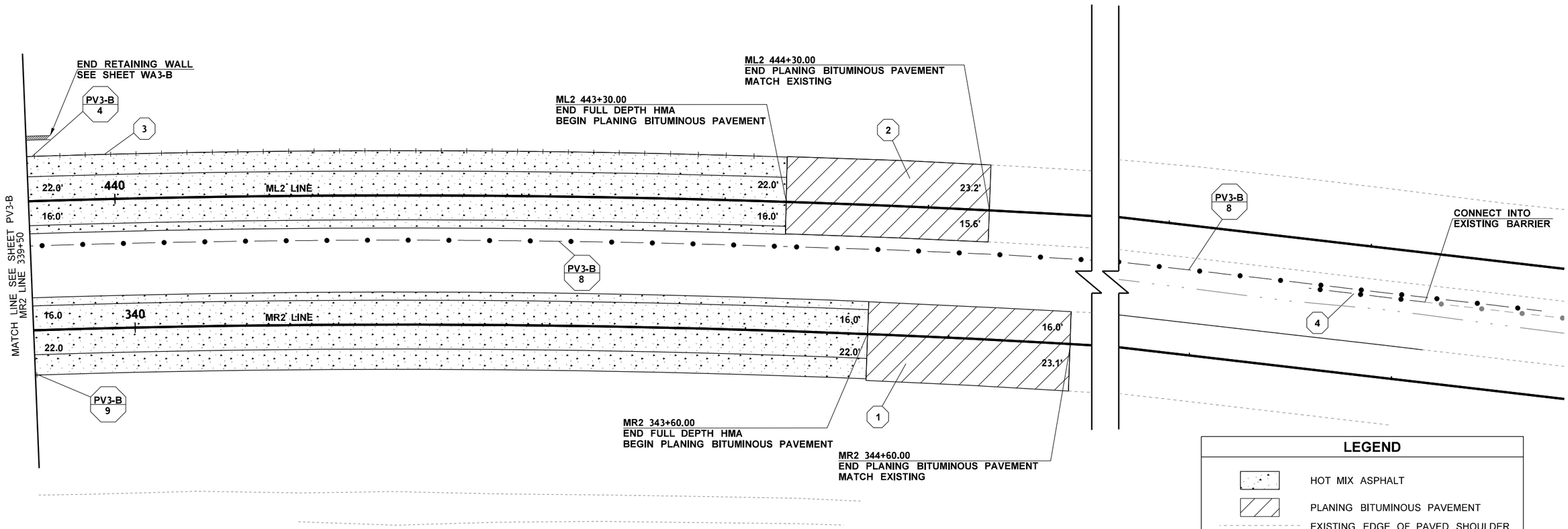

LEGEND

- HOT MIX ASPHALT
- PLANING BITUMINOUS PAVEMENT
- EXISTING EDGE OF PAVED SHOULDER
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING CABLE BARRIER
- NEW EDGE OF PAVED SHOULDER
- NEW FENCE
- NEW GUARDRAIL
- NEW CABLE BARRIER
- QUANTITY TAB NOTE
- QUANTITY TAB NOTE CONTINUATION

NOTES:

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SCALE IN FEET

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CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

MANUEL LOUIS FELIBERTI
STATE OF WASHINGTON
36346
REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO
PV4-B

SHEET 453 OF 1241 SHEETS

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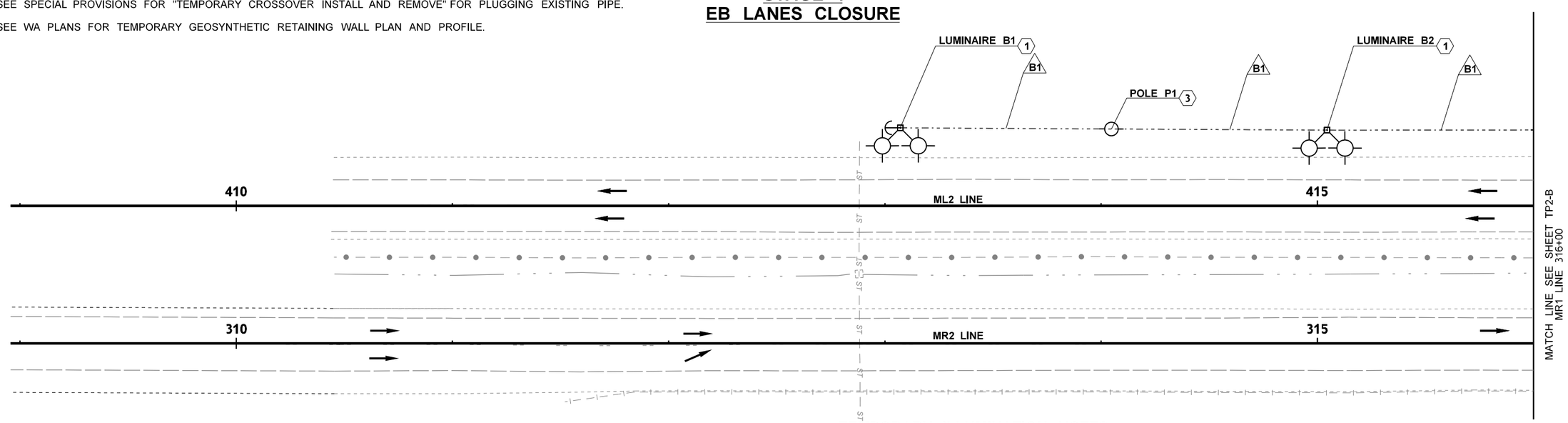
NOTES:

1. REFER TO ALIGNMENT AND RIGHT OF WAY PLANS FOR ALIGNMENT INFORMATION.
2. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
3. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
4. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
5. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
6. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
7. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.

STAGE 1
EB LANES CLOSURE



TEMPORARY ILLUMINATION NOTES:

1. INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
2. INSTALL A TEMPORARY CLASS 2 TIMBER POLE WITH CONDUIT, CONDUCTORS, RISER AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE, SCD-708.
3. INSTALL A TEMPORARY CLASS 5 TIMBER POLE IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
4. TEMPORARY ILLUMINATION POWERED BY GENERATOR WITH PHOTOCELL. IT IS ASSUMED EACH SERIES OF TWO (2) HIGH-MAST TIMBER LUMINAIRE SETS OR A TOTAL OF 24 LED LUMINAIRES TO BE POWERED BY ONE GENERATOR. GENERATOR SHALL BE 10000W MINIMUM WITH CAPACITY FOR 240 VOLTAGE AND 40 AMP BREAKER. CONTRACTOR MAY PROPOSE ALTERNATIVE POWER CONNECTIONS TO ELECTRICAL SERVICING UTILITY FACILITIES. CONTRACTOR WOULD BE RESPONSIBLE FOR ALL CONNECTIONS, AGREEMENTS, MAINTENANCE AND REMOVAL. ALTERNATE POWER CONNECTIONS TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
5. CONNECT PROPOSED CONDUIT TO EXISTING LIGHTING SYSTEM JUNCTION BOX. ROUTE TO EXISTING ELECTRICAL SERVICE CABINET SCD-708. INSTALL NEW BREAKER IN EXISTING SERVICE PANEL PER TEMPORARY WIRING SCHEDULE. COORDINATE WITH WSDOT ON SERVICE ACCESS.
6. INSTALL CONDUIT PER STANDARD PLAN J-10 AND WIRE SCHEDULE. PROVIDE WEATHERPROOF AND TAMPER RESISTANT IN-GROUND TO ABOVE GROUND CONNECTION POINT TO TEMPORARY GENERATOR.
7. INSTALL CONDUIT, CONDUCTORS, RISER, AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15 WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
8. EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY		TEMPORARY CATCH BASIN		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	E	EXISTING JUNCTION BOX		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	CONSTRUCTION NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
BP	EXISTING BURIED CONDUIT	??	TEMPORARY STRUCTURE NOTE	ST	EXISTING STORM PIPE
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP1-B

SHEET 454 OF 1241 SHEETS

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NOTES:

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2. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
3. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
4. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
5. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
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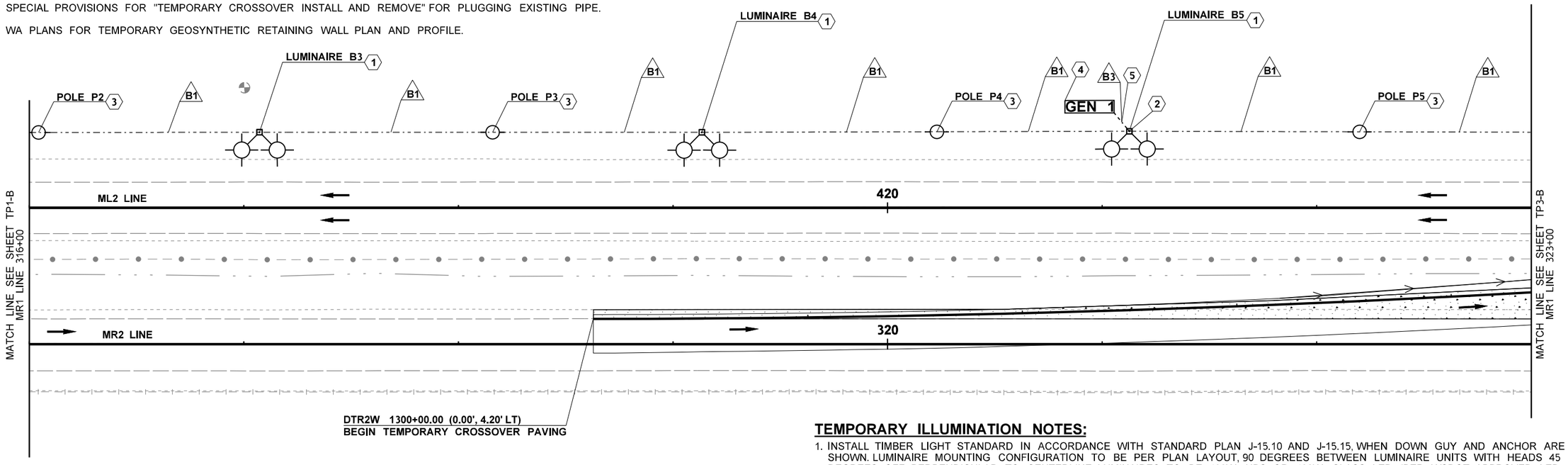
7. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.

STAGE 1
EB LANES CLOSURE



LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
- ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY		TEMPORARY CATCH BASIN		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	E	EXISTING JUNCTION BOX		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	CONSTRUCTION NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
- BP — — BP —	EXISTING BURIED CONDUIT	??	TEMPORARY STRUCTURE NOTE	— ST —	EXISTING STORM PIPE
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

TEMPORARY ILLUMINATION NOTES:

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SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

ANTHONY OTTO WILLEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP2-B

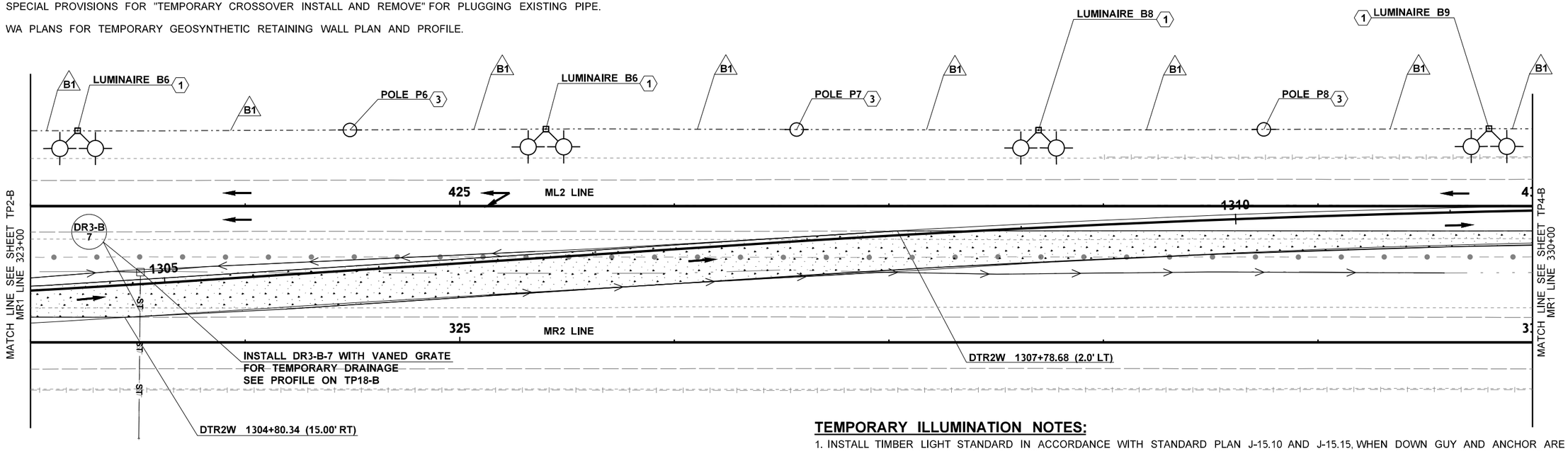
SHEET 455 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_002.dgn

NOTES:

1. REFER TO ALIGNMENT AND RIGHT OF WAY PLANS FOR ALIGNMENT INFORMATION.
2. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
3. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
4. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
5. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
6. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
7. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.

STAGE 1
EB LANES CLOSURE



LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY		TEMPORARY CATCH BASIN		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	E	EXISTING JUNCTION BOX		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	CONSTRUCTION NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
BP	EXISTING BURIED CONDUIT	??	TEMPORARY STRUCTURE NOTE	ST	EXISTING STORM PIPE
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

TEMPORARY ILLUMINATION NOTES:

1. INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
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3. INSTALL A TEMPORARY CLASS 5 TIMBER POLE IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
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8. EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED
TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_003.dgn
TIME	10:28:33 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP3-B

SHEET 456 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\0121\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_003.dgn

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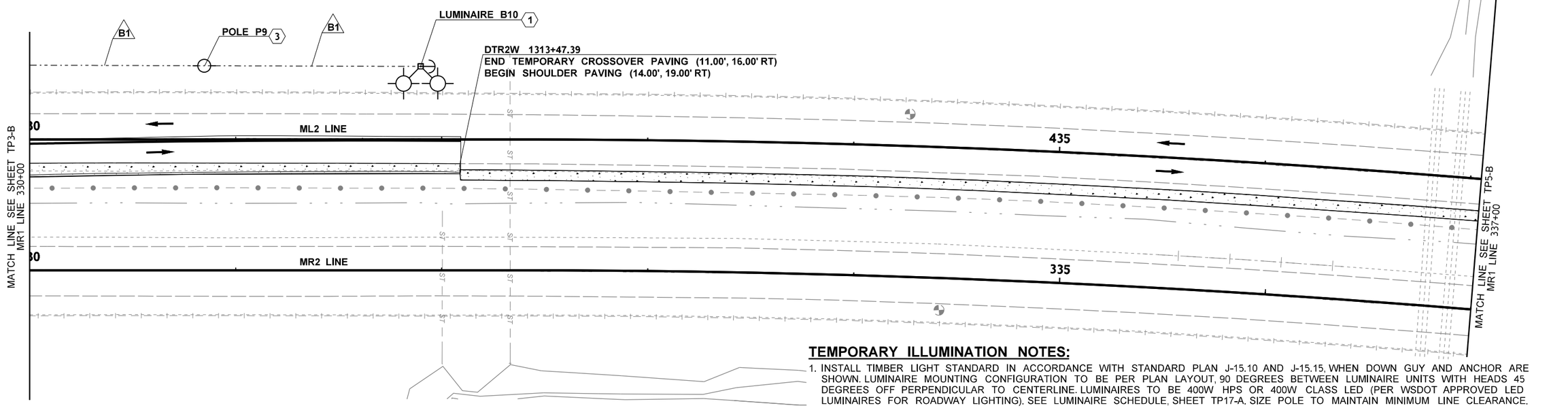
STAGE 1
EB LANES CLOSURE



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	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
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	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
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					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_004.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
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DATE	12/14/2022					
PLOTTED BY	Fts					
DESIGNED BY	M. RAGUSE					
ENTERED BY	H. EILERS					
CHECKED BY	M. FELIBERTI				CONTRACT NO. XL6115	LOCATION NO.
PROJ. ENGR.	B. ELLIOTT					
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY		

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP4-B

SHEET 457 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_004.dgn

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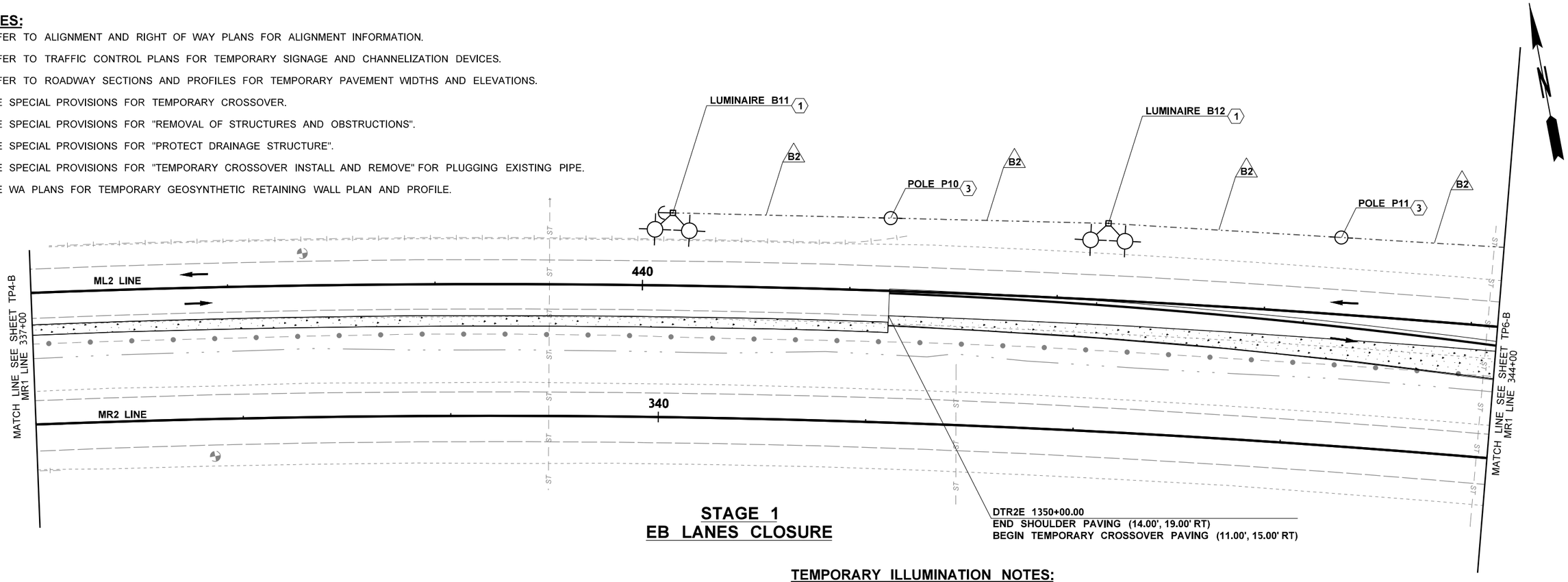

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EB LANES CLOSURE

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LEGEND

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			EXISTING CATCH BASIN		
- ST —	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		TEMPORARY CATCH BASIN	— X — X —	EXISTING FENCE
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	EXISTING EDGE OF PAVEMENT	?	CONSTRUCTION NOTE	— I — I —	EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	WIRE NOTE	— X — X —	NEW FENCE
	NEW AERIAL CONDUCTORS	??	TEMPORARY STRUCTURE NOTE		EXISTING LANE LINE
- BP — — BP —	EXISTING BURIED CONDUIT	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION	— ST — —	EXISTING STORM PIPE
	TEMPORARY DITCH LINE		DIRECTION OF TRAFFIC	— ● —	NEW CABLE BARRIER
	EXISTING DITCH LINE				TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_005.dgn
TIME	10:28:40 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP5-B

SHEET 458 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_005.dgn

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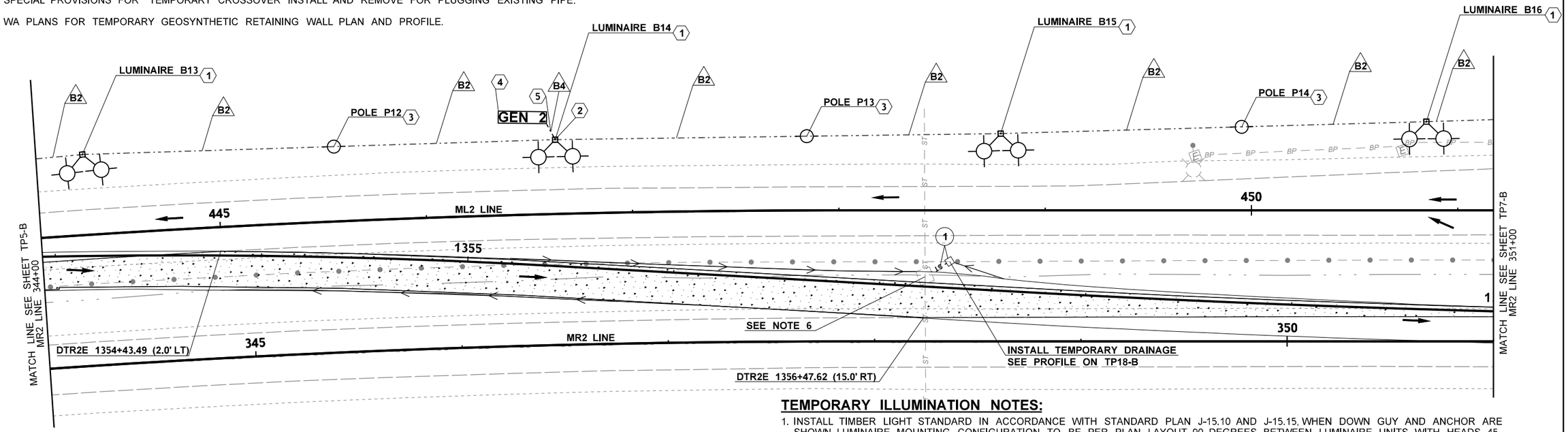
EB LANES CLOSURE



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FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_006.dgn
TIME	10:28:47 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
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REVISION | DATE | BY

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JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

JASON DOUGLAS RAGUSE — STATE OF WASHINGTON — 20104380 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WIEN — STATE OF WASHINGTON — 49548 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO
TP6-B

SHEET 459 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_006.dgn

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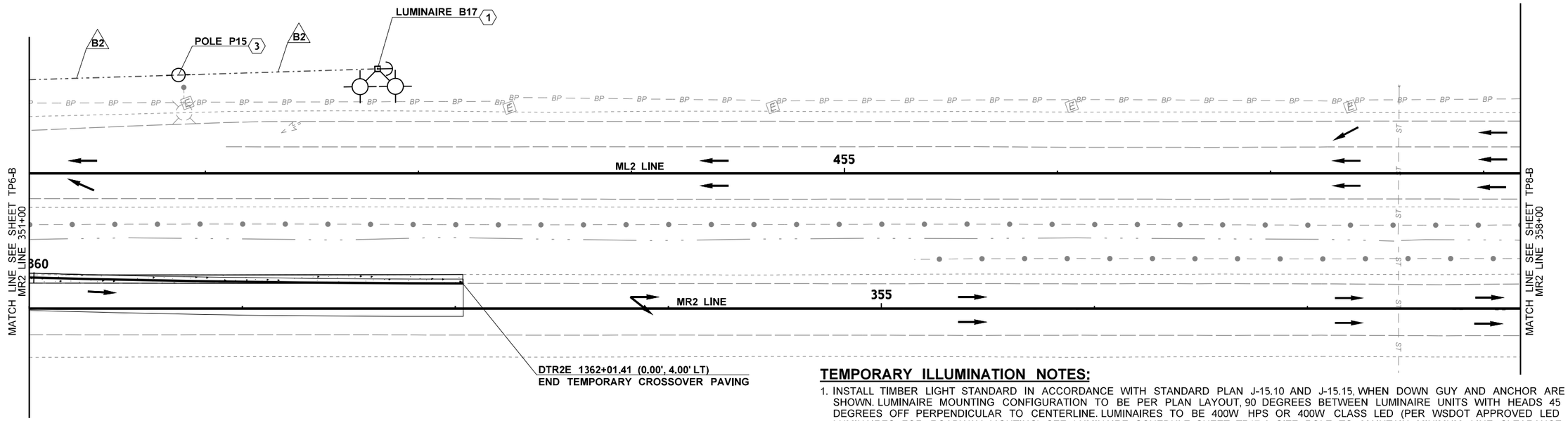
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.

STAGE 1
EB LANES CLOSURE



TEMPORARY ILLUMINATION NOTES:

1. INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
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8. EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
			EXISTING CATCH BASIN		
			TEMPORARY CATCH BASIN		EXISTING FENCE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE	E	EXISTING JUNCTION BOX		NEW BURIED CONDUIT
	EXISTING EDGE OF TRAVELED WAY				EXISTING GUARDRAIL
	EXISTING EDGE OF PAVEMENT	?	CONSTRUCTION NOTE		NEW FENCE
	NEW EDGE OF PAVED SHOULDER	?	WIRE NOTE		EXISTING LANE LINE
	NEW AERIAL CONDUCTORS	??	TEMPORARY STRUCTURE NOTE	ST	EXISTING STORM PIPE
BP	EXISTING BURIED CONDUIT				NEW CABLE BARRIER
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		TEMPORARY BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_007.dgn
TIME	10:28:51 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WILEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP7-B

SHEET 460 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_007.dgn

NOTES:

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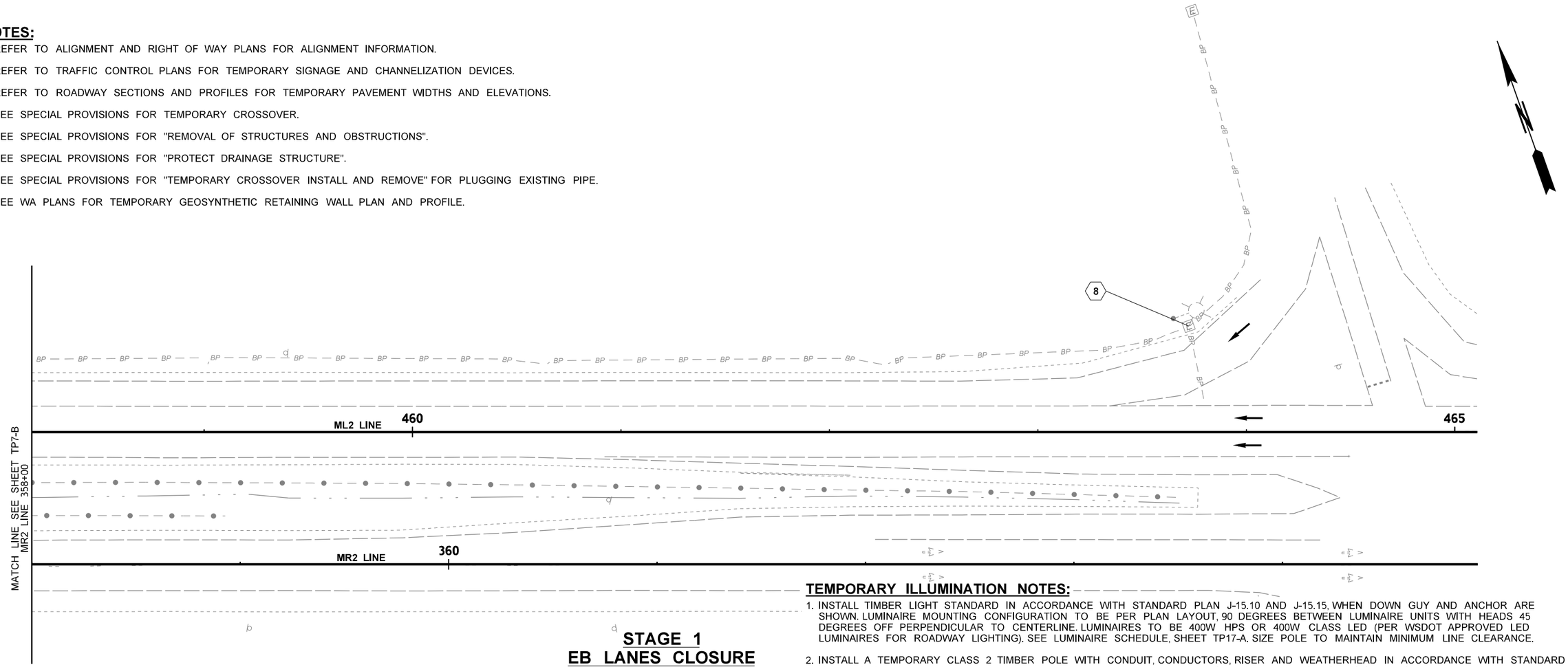

STAGE 1
EB LANES CLOSURE

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
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			EXISTING CATCH BASIN		
			TEMPORARY CATCH BASIN		EXISTING FENCE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE	E	EXISTING JUNCTION BOX		NEW BURIED CONDUIT
	EXISTING EDGE OF TRAVELED WAY				EXISTING GUARDRAIL
	EXISTING EDGE OF PAVEMENT	?	CONSTRUCTION NOTE		NEW FENCE
	NEW EDGE OF PAVED SHOULDER	?	WIRE NOTE		EXISTING LANE LINE
	NEW AERIAL CONDUCTORS	??	TEMPORARY STRUCTURE NOTE	ST	EXISTING STORM PIPE
BP	EXISTING BURIED CONDUIT				NEW CABLE BARRIER
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		TEMPORARY BARRIER
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0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 1_008.dgn
TIME	10:28:54 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001
JOB NUMBER 21C522
CONTRACT NO. XL6115 | LOCATION NO.

P.E. STAMP BOX — SEE SHEET CT1 — DATE
P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP8-B
SHEET 461 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 1_008.dgn

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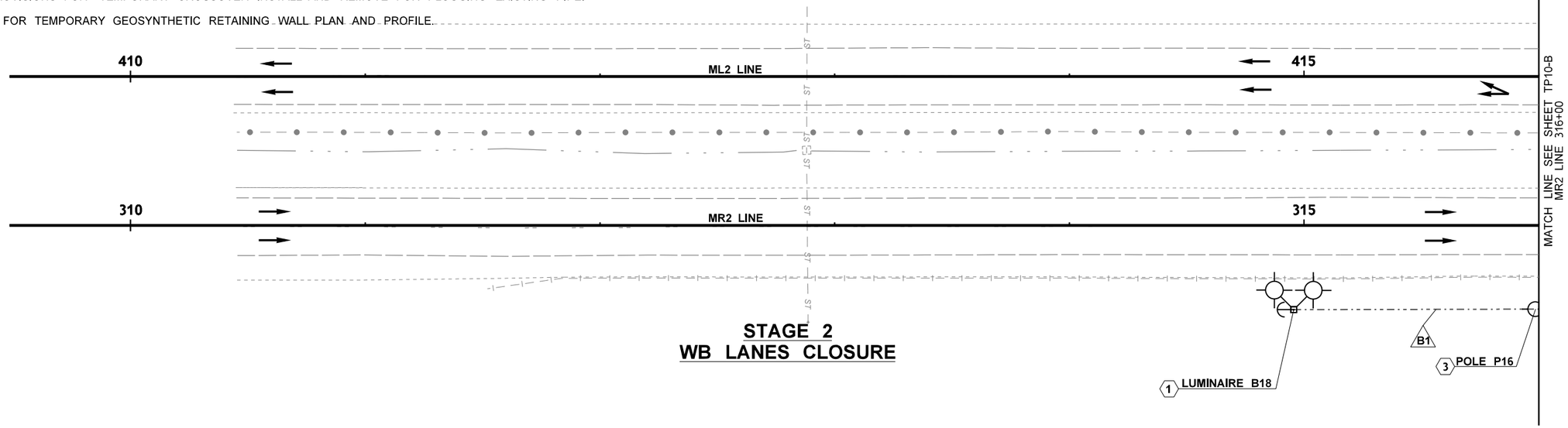

STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

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LEGEND

- TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD
- EXISTING METAL LIGHT STANDARD
- TEMPORARY PAVEMENT
- ST — TEMPORARY NEW SCHEDULE A STORM SEWER PIPE
- EXISTING EDGE OF TRAVELED WAY
- EXISTING EDGE OF PAVEMENT
- NEW EDGE OF PAVED SHOULDER
- NEW AERIAL CONDUCTORS
- BP — BP — EXISTING BURIED CONDUIT
- TEMPORARY DITCH LINE
- EXISTING DITCH LINE
- TRAFFIC SAFETY DRUM
- TYPE 3 BARRICADE
- SEQUENTIAL ARROW BOARD
- EXISTING CATCH BASIN
- TEMPORARY CATCH BASIN
- EXISTING JUNCTION BOX
- CONSTRUCTION NOTE
- WIRE NOTE
- TEMPORARY STRUCTURE NOTE
- TEMPORARY STRUCTURE NOTE CONTINUATION
- DIRECTION OF TRAFFIC
- DOWN GUY ANCHOR
- TEMPORARY POWER POLE
- EXISTING POWER POLE
- EXISTING FENCE
- NEW BURIED CONDUIT
- EXISTING GUARDRAIL
- NEW FENCE
- EXISTING LANE LINE
- ST — EXISTING STORM PIPE
- NEW CABLE BARRIER
- TEMPORARY BARRIER
- TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	10:28:58 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE — STATE OF WASHINGTON — 20104380 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 / DATE
P.E. STAMP BOX

ANTHONY OTTO BRIAN — STATE OF WASHINGTON — 49548 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1 / DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP9-B

SHEET 462 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_009.dgn

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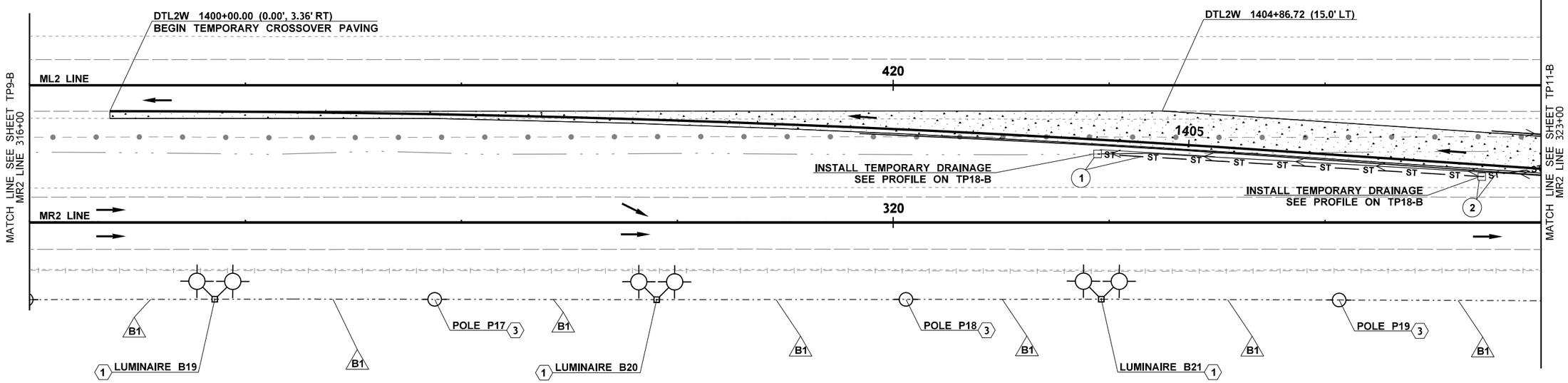

STAGE 2
WB LANES CLOSURE

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
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	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
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					TEMPORARY RETAINING WALL

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0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 2_010.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	10:29:04 AM				JOB NUMBER 21C522		
DATE	12/14/2022						
PLOTTED BY	Fts						
DESIGNED BY	M. RAGUSE						
ENTERED BY	H. EILERS						
CHECKED BY	M. FELIBERTI				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

MASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 REGISTERED PROFESSIONAL ENGINEER
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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO
TP10-B

SHEET 463 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_010.dgn

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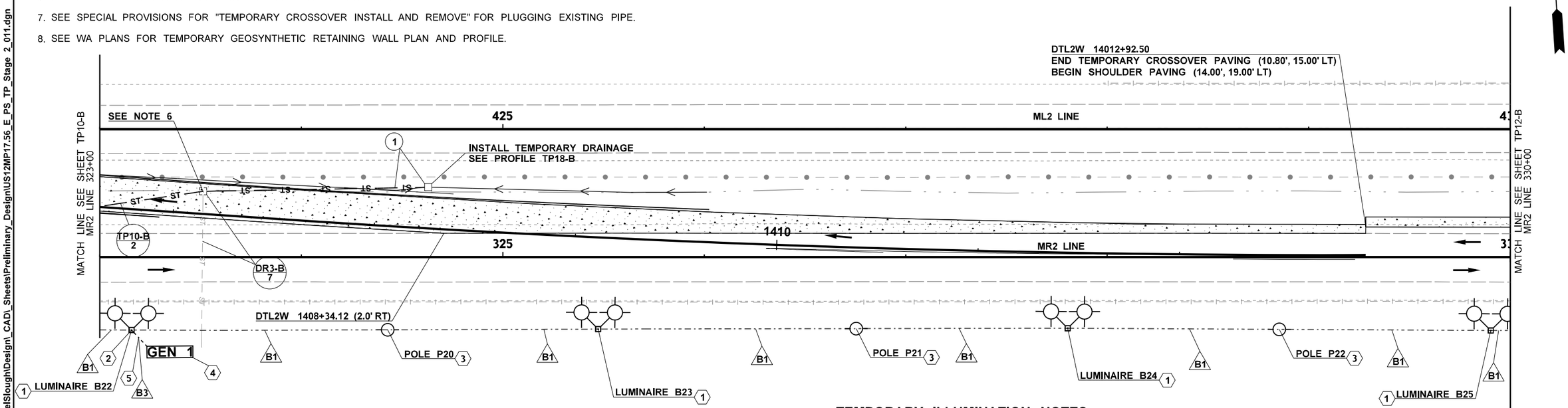

STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

1. INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
2. INSTALL A TEMPORARY CLASS 2 TIMBER POLE WITH CONDUIT, CONDUCTORS, RISER AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE, SCD-708.
3. INSTALL A TEMPORARY CLASS 5 TIMBER POLE IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
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5. CONNECT PROPOSED CONDUIT TO EXISTING LIGHTING SYSTEM JUNCTION BOX. ROUTE TO EXISTING ELECTRICAL SERVICE CABINET SCD-708. INSTALL NEW BREAKER IN EXISTING SERVICE PANEL PER TEMPORARY WIRING SCHEDULE. COORDINATE WITH WSDOT ON SERVICE ACCESS.
6. INSTALL CONDUIT PER STANDARD PLAN J-10 AND WIRE SCHEDULE. PROVIDE WEATHERPROOF AND TAMPER RESISTANT IN-GROUND TO ABOVE GROUND CONNECTION POINT TO TEMPORARY GENERATOR.
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8. EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY		TEMPORARY CATCH BASIN		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	E	EXISTING JUNCTION BOX		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	CONSTRUCTION NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
BP	EXISTING BURIED CONDUIT	??	TEMPORARY STRUCTURE NOTE	ST	EXISTING STORM PIPE
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 2_011.dgn
TIME	10:29:09 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

ANTHONY OTTO BOLIEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP11-B

SHEET 464 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_011.dgn

NOTES:

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4. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
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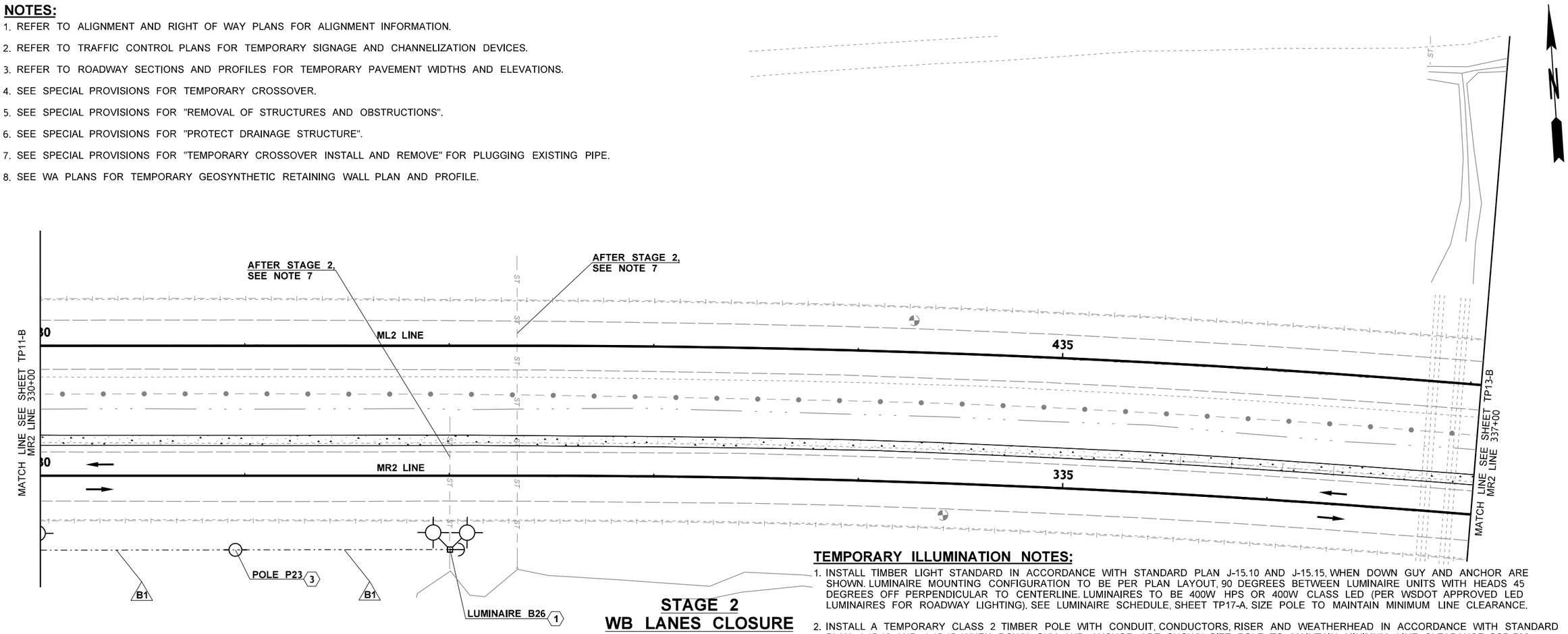

STAGE 2
WB LANES CLOSURE

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	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
- ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY		TEMPORARY CATCH BASIN		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	E	EXISTING JUNCTION BOX		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	CONSTRUCTION NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
- BP — — BP —	EXISTING BURIED CONDUIT	??	TEMPORARY STRUCTURE NOTE	— ST —	EXISTING STORM PIPE
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 2_012.dgn
TIME	10:29:13 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

ANTHONY OTTO WILLEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE — P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP12-B

SHEET 465 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012117.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_012.dgn

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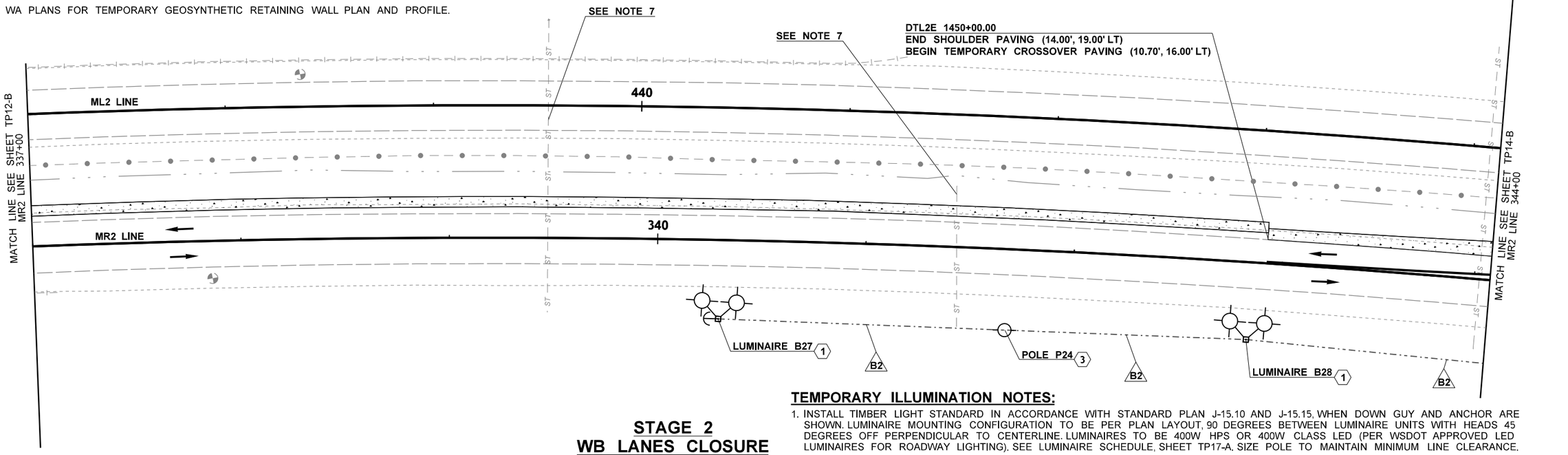

STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

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					TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	10:29:17 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

JASON DOUGLAS RAGSDALE — STATE OF WASHINGTON — 20104380 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WIREN — STATE OF WASHINGTON — 49548 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO
TP13-B

SHEET 466 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_013.dgn

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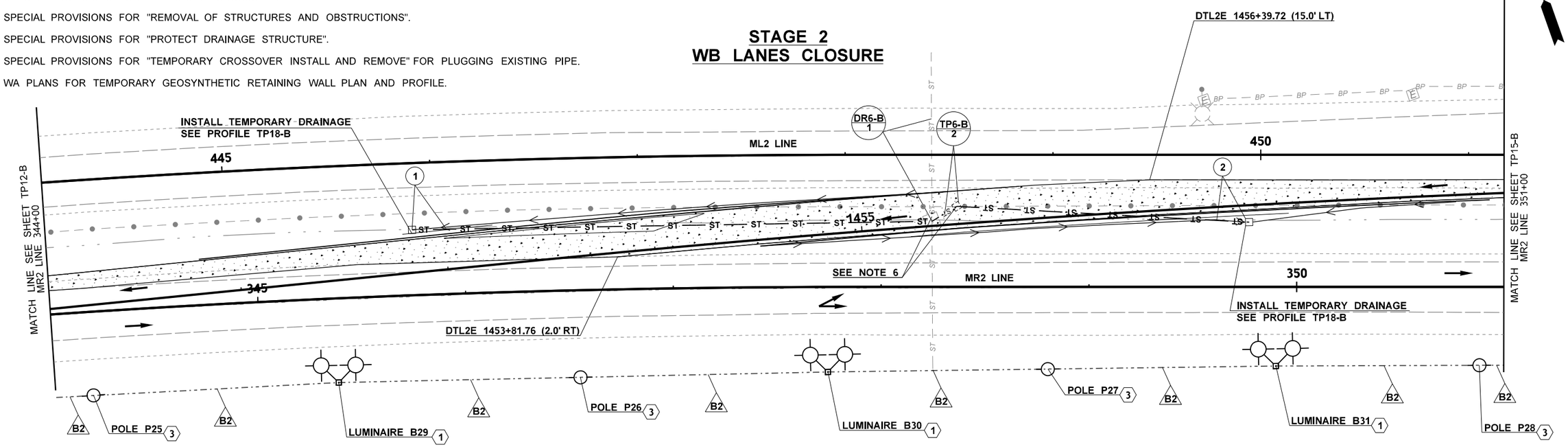
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.

STAGE 2
WB LANES CLOSURE



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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP14-B

SHEET 467 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_014.dgn

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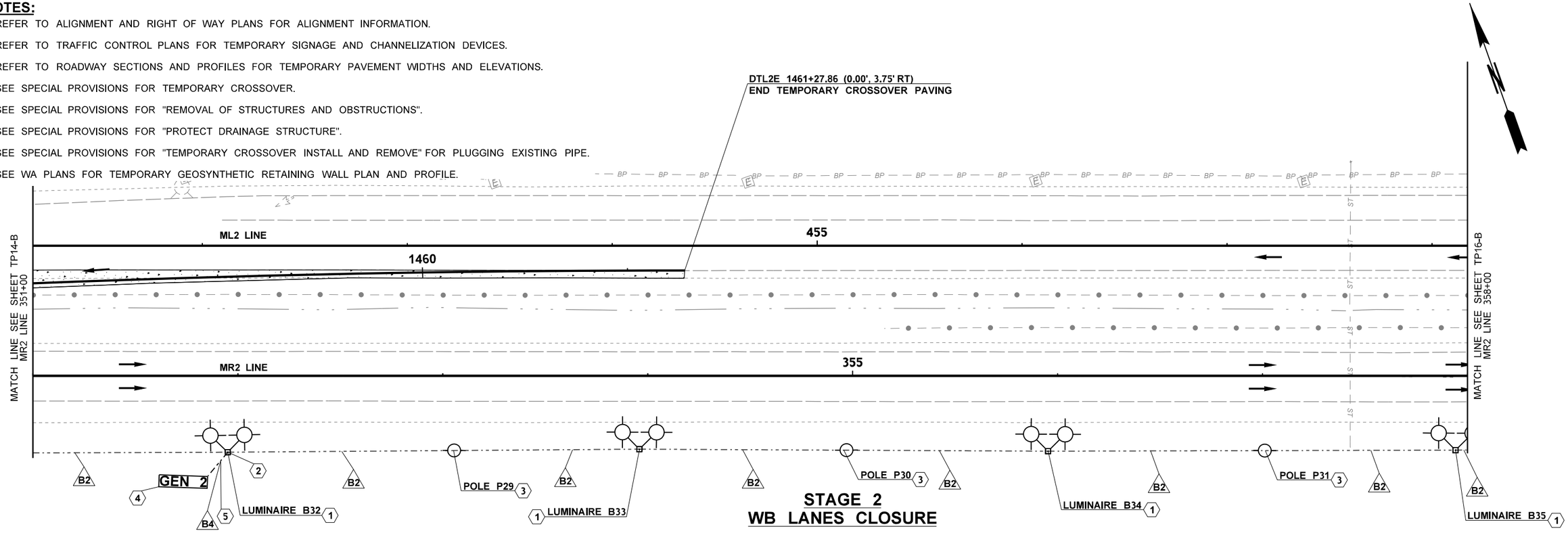

STAGE 2
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TEMPORARY ILLUMINATION NOTES:

INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.

INSTALL A TEMPORARY CLASS 2 TIMBER POLE WITH CONDUIT, CONDUCTORS, RISER AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE, SCD-708.

INSTALL A TEMPORARY CLASS 5 TIMBER POLE IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.

TEMPORARY ILLUMINATION POWERED BY GENERATOR WITH PHOTOCELL. IT IS ASSUMED EACH SERIES OF TWO (2) HIGH-MAST TIMBER LUMINAIRE SETS OR A TOTAL OF 24 LED LUMINAIRES TO BE POWERED BY ONE GENERATOR. GENERATOR SHALL BE 10000W MINIMUM WITH CAPACITY FOR 240 VOLTAGE AND 40 AMP BREAKER. CONTRACTOR MAY PROPOSE ALTERNATIVE POWER CONNECTIONS TO ELECTRICAL SERVICING UTILITY FACILITIES. CONTRACTOR WOULD BE RESPONSIBLE FOR ALL CONNECTIONS, AGREEMENTS, MAINTENANCE AND REMOVAL. ALTERNATE POWER CONNECTIONS TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

CONNECT PROPOSED CONDUIT TO EXISTING LIGHTING SYSTEM JUNCTION BOX. ROUTE TO EXISTING ELECTRICAL SERVICE CABINET SCD-708. INSTALL NEW BREAKER IN EXISTING SERVICE PANEL PER TEMPORARY WIRING SCHEDULE. COORDINATE WITH WSDOT ON SERVICE ACCESS.

INSTALL CONDUIT PER STANDARD PLAN J-10 AND WIRE SCHEDULE. PROVIDE WEATHERPROOF AND TAMPER RESISTANT IN-GROUND TO ABOVE GROUND CONNECTION POINT TO TEMPORARY GENERATOR.

INSTALL CONDUIT, CONDUCTORS, RISER, AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15 WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.

EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
			EXISTING CATCH BASIN		
			TEMPORARY CATCH BASIN		EXISTING FENCE
- ST ——	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE	E	EXISTING JUNCTION BOX		NEW BURIED CONDUIT
	EXISTING EDGE OF TRAVELED WAY				EXISTING GUARDRAIL
	EXISTING EDGE OF PAVEMENT	?	CONSTRUCTION NOTE		NEW FENCE
	NEW EDGE OF PAVED SHOULDER	?	WIRE NOTE		EXISTING LANE LINE
	NEW AERIAL CONDUCTORS	??	TEMPORARY STRUCTURE NOTE	— ST — —	EXISTING STORM PIPE
- BP — — BP —	EXISTING BURIED CONDUIT				NEW CABLE BARRIER
	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		TEMPORARY BARRIER
	EXISTING DITCH LINE		DIRECTION OF TRAFFIC		TEMPORARY RETAINING WALL

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 2_015.dgn
TIME	10:29:24 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE — STATE OF WASHINGTON — 20104380 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WILEN — STATE OF WASHINGTON — 49548 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

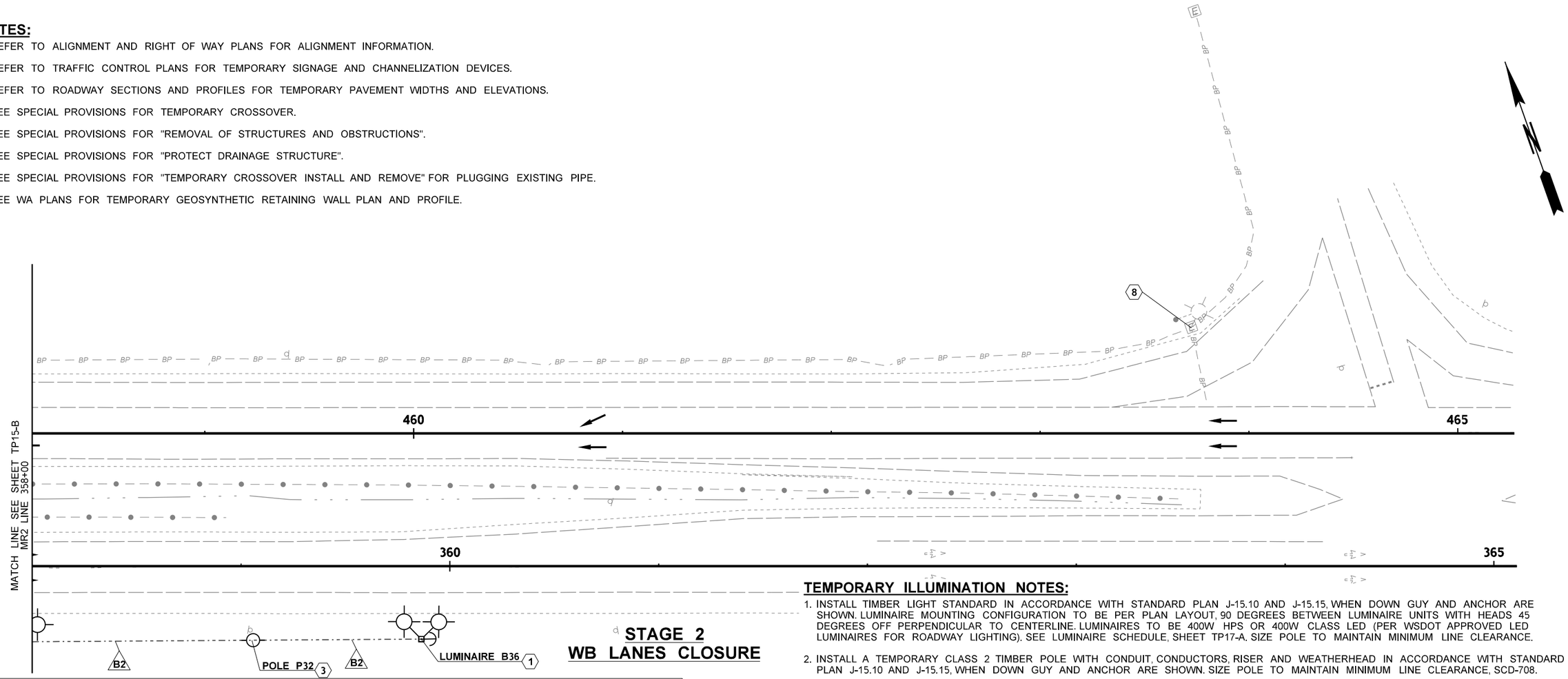
PLAN REF NO TP15-B

SHEET 468 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_015.dgn

NOTES:

1. REFER TO ALIGNMENT AND RIGHT OF WAY PLANS FOR ALIGNMENT INFORMATION.
2. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
3. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
4. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
5. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
6. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
7. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
8. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE.



STAGE 2
WB LANES CLOSURE

LEGEND

	TEMPORARY CLASS 2 TIMBER HIGH MAST LIGHT STANDARD	⊗	TRAFFIC SAFETY DRUM		DOWN GUY ANCHOR
	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
			EXISTING CATCH BASIN		
ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		TEMPORARY CATCH BASIN		EXISTING FENCE
	EXISTING EDGE OF TRAVELED WAY	E	EXISTING JUNCTION BOX		NEW BURIED CONDUIT
	EXISTING EDGE OF PAVEMENT	?	CONSTRUCTION NOTE		EXISTING GUARDRAIL
	NEW EDGE OF PAVED SHOULDER	?	WIRE NOTE		NEW FENCE
	NEW AERIAL CONDUCTORS	??	TEMPORARY STRUCTURE NOTE		EXISTING LANE LINE
BP	EXISTING BURIED CONDUIT	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION	ST	EXISTING STORM PIPE
	TEMPORARY DITCH LINE		DIRECTION OF TRAFFIC		NEW CABLE BARRIER
	EXISTING DITCH LINE				TEMPORARY BARRIER
					TEMPORARY RETAINING WALL

TEMPORARY ILLUMINATION NOTES:

1. INSTALL TIMBER LIGHT STANDARD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. LUMINAIRE MOUNTING CONFIGURATION TO BE PER PLAN LAYOUT, 90 DEGREES BETWEEN LUMINAIRE UNITS WITH HEADS 45 DEGREES OFF PERPENDICULAR TO CENTERLINE. LUMINAIRES TO BE 400W HPS OR 400W CLASS LED (PER WSDOT APPROVED LED LUMINAIRES FOR ROADWAY LIGHTING). SEE LUMINAIRE SCHEDULE, SHEET TP17-A. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
2. INSTALL A TEMPORARY CLASS 2 TIMBER POLE WITH CONDUIT, CONDUCTORS, RISER AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE, SCD-708.
3. INSTALL A TEMPORARY CLASS 5 TIMBER POLE IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15, WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
4. TEMPORARY ILLUMINATION POWERED BY GENERATOR WITH PHOTOCELL. IT IS ASSUMED EACH SERIES OF TWO (2) HIGH-MAST TIMBER LUMINAIRE SETS OR A TOTAL OF 24 LED LUMINAIRES TO BE POWERED BY ONE GENERATOR. GENERATOR SHALL BE 10000W MINIMUM WITH CAPACITY FOR 240 VOLTAGE AND 40 AMP BREAKER. CONTRACTOR MAY PROPOSE ALTERNATIVE POWER CONNECTIONS TO ELECTRICAL SERVICING UTILITY FACILITIES. CONTRACTOR WOULD BE RESPONSIBLE FOR ALL CONNECTIONS, AGREEMENTS, MAINTENANCE AND REMOVAL. ALTERNATE POWER CONNECTIONS TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.
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7. INSTALL CONDUIT, CONDUCTORS, RISER, AND WEATHERHEAD IN ACCORDANCE WITH STANDARD PLAN J-15.10 AND J-15.15 WHEN DOWN GUY AND ANCHOR ARE SHOWN. SIZE POLE TO MAINTAIN MINIMUM LINE CLEARANCE.
8. EXISTING INTERSECTION LIGHTING CIRCUIT TO BE TURNED OFF DURING TEMPORARY LIGHTING PHASES.

0 25 50
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_PS_TP_Stage 2_016.dgn
TIME	10:29:28 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MASON DOUGLAS RAGUSE, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WILEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO
TP16-B

SHEET 469 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_TP_Stage 2_016.dgn

TEMPORARY LUMINAIRE SCHEDULE GENERATOR

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
B1	GEN 1	ML2 413+07.13	36.05' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B2	GEN 1	ML2 415+04.48	34.93' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B3	GEN 1	ML2 417+07.26	35.14' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B4	GEN 1	ML2 419+13.43	35.07' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B5	GEN 1	ML2 421+12.68	35.61' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B6	GEN 1	ML2 423+21.91	35.11' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B7	GEN 1	ML2 425+40.16	35.88' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B8	GEN 1	ML2 427+69.77	35.37' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B9	GEN 1	ML2 429+79.71	36.08' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B10	GEN 1	ML2 431+89.77	35.44' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B11	GEN 2	ML2 440+14.12	35.02' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B12	GEN 2	ML2 442+22.90	36.97' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B13	GEN 2	ML2 444+35.47	39.01' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B14	GEN 2	ML2 446+63.31	36.02' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B15	GEN 2	ML2 448+78.43	37.17' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B16	GEN 2	ML2 450+84.78	42.94' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B17	GEN 2	ML2 452+80.80	48.09' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B18	GEN 1	MR2 314+95.60	35.90' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B19	GEN 1	MR2 316+95.79	35.52' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B20	GEN 1	MR2 318+90.44	35.76' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B21	GEN 1	MR2 320+96.36	35.49' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B22	GEN 1	MR2 323+15.76	36.25' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B23	GEN 1	MR2 325+47.34	35.80' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B24	GEN 1	MR2 327+80.41	35.35' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B25	GEN 1	MR2 329+90.41	36.46' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B26	GEN 1	MR2 332+00.39	36.13' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B27	GEN 2	MR2 340.29.73	37.83' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B28	GEN 2	MR2 342+84.95	37.10' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B29	GEN 2	MR2 345+37.14	40.46' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B30	GEN 2	MR2 347+74.31	40.85' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B31	GEN 2	MR2 349+89.96	38.02' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B32	GEN 2	MR2 351+95.08	37.26' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B33	GEN 2	MR2 353+95.96	35.79' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B34	GEN 2	MR2 355+95.35	36.76' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B35	GEN 2	MR2 357+94.18	36.25' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
B36	GEN 2	MR2 359+86.36	34.95' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES

TEMPORARY POLES

POLE NO.	LOCATION STATION	LOCATION OFFSET
P1	ML2 414+04.76	35.49'LT
P2	ML2 416+04.27	35.04'LT
P3	ML2 418+15.89	35.10'LT
P4	ML2 420+22.88	35.34'LT
P5	ML2 422+19.93	35.44'LT
P6	ML2 424+48.77	35.50'LT
P7	ML2 426+46.96	35.67'LT
P8	ML2 428+75.00	35.72'LT
P9	ML2 430+84.64	35.76'LT
P10	ML2 441+18.53	35.04'LT
P11	ML2 443+34.67	37.10'LT
P12	ML2 445+56.69	39.01'LT
P13	ML2 447+84.54	35.94'LT
P14	ML2 449+95.14	40.43'LT
P15	ML2 451+87.32	46.15'LT
P16	MR2 315+98.45	35.70'RT
P17	MR2 317+87.63	35.60'RT
P18	MR2 320+05.71	35.60'RT
P19	MR2 322+06.46	35.87'RT
P20	MR2 324+42.90	36.14'RT
P21	MR2 326+75.47	35.53'RT
P22	MR2 328+85.41	35.91'RT
P23	MR2 330+95.41	36.30'RT
P24	MR2 341+68.39	38.84'RT
P25	MR2 344+18.13	40.27'RT
P26	MR2 346+54.47	41.94'RT
P27	MR2 348+80.27	39.46'RT
P28	MR2 350.87.99	37.65'RT
P29	MR2 353+05.57	36.48'RT
P30	MR2 354+96.91	36.27'RT
P31	MR2 357+00.98	36.51'RT
P32	MR2 359+05.83	35.83'RT

TEMPORARY WIRING SCHEDULE GENERATOR

NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
B1	AERIAL		#6 ACSR TRIPLEX	GEN 1	
B2	AERIAL		#6 ACSR TRIPLEX	GEN 2	
B3	2" SCH. 80		3-#6 AWG	GEN 1	
B4	2" SCH. 80		3-#6 AWG	GEN 2	

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER DETAILS

PLAN REF NO TP17-B

SHEET 470 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_TP_001.dgn
TIME	10:29:30 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	A. WILEN
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

ANTHONY OTTO MILLER STATE OF WASHINGTON 49548 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

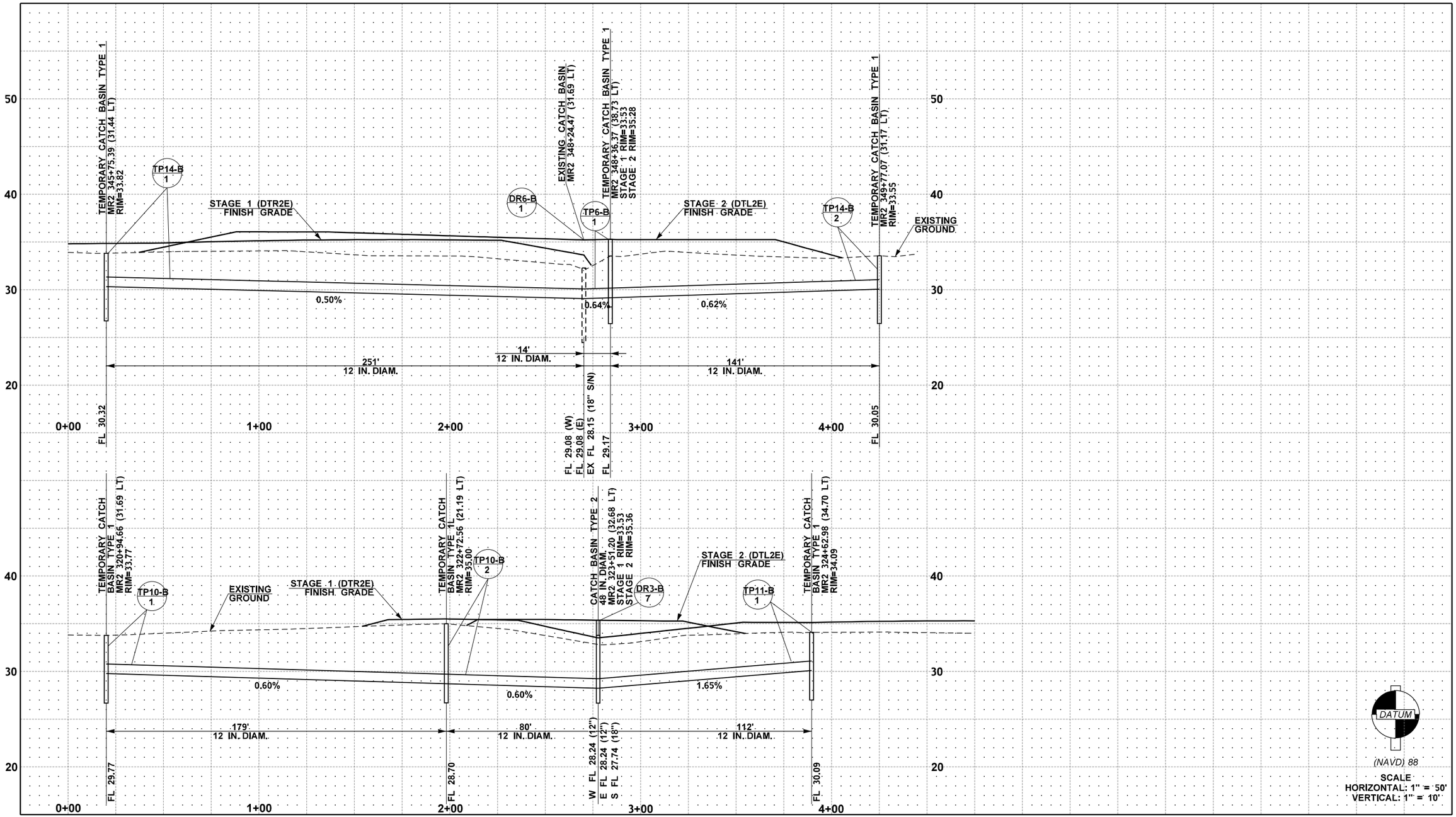
DATE

P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_DE_TP_001.dgn



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US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

FILE NAME	c:\pw_work\wsdot\d0354378\US12MP17.56_E_DE_TP_002.dgn
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REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SARAH M. HANSEN, STATE OF WASHINGTON, 46367, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER DETAILS

PLAN REF. NO. TP18-B

SHEET 471 OF 1241 SHEETS

QUANTITY TABULATION - PAVEMENT MARKING

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	FLEXIBLE GUIDE POST	PLASTIC LINE	PROFILED PLASTIC LINE		PLASTIC DRAINAGE MARKING	SHOULDER RUMBLE STRIP TYPE 1	RECESSED PAVEMENT MARKER									SEE GENERAL NOTES
		EACH	L.F.	L.F.		EACH	MI.	HUND									
MK1-B-1	ML2 415+89.57 (11.9 LT) TO 460+48.95 (24.5 LT)		4460														1
MK1-B-2	ML2 415+89.57 (0.0 LT) TO 480+49.29 (0.2 RT)			6360				0.5									1, 2
MK1-B-3	ML2 415+89.57 (12.0 RT) TO 460+48.95 (11.9 RT)		4460					0.5									1, 2
MK1-B-4	ML2 416+37.20 (13.3 RT) TO 454+37.7 (12.1 RT)						0.7										8
MK1-B-5	MR2 308+88.0 (13.3 RT) TO 353+41.50 (12.4 RT)		4450														1
MK1-B-6	MR2 308+88.0 (0.8 RT) TO 353+41.50 (0.1 RT)			4450				0.6									1, 2
MK1-B-7	MR2 308+88.0 (11.0 LT) TO 353+41.50 (11.7 LT)		4460					0.6									1, 2
MK1-B-8	MR2 318+40.53 (13.0 LT) TO 353+13.5 (13.0 LT)						0.7										8
MK1-B-9	MR2 323+50.81					1											3
MK1-B-10	MR2 320+03.6 (LT)	1															5
MK1-B-11	MR2 316+62.6 (LT)	1				1											5
MK1-B-12	MR2 323+51.0 (LT)					1											4
MK1-B-13	ML2 412+88.2 (LT)					1											4
MK1-B-14	ML2 419+98.2 (RT)	1				1											5
MK1-B-15	MR2 323+41.0 (LT)	1				1											5
MK1-B-16	MR2 323+60.5 (LT)	1				1											5
MK1-B-17	ML2 423+27.5 (23.6 LT)	1															5
MK1-B-18	ML2 423+69.4 (LT)					1											5
MK1-B-19	ML2 412+88.1 (RT)					1											4
MK1-B-20	MR2 312+88.2 (LT)					1											4
MK1-B-21	MR2 312+88.5 (RT)					1											3
MK1-B-22	MR2 316+62.65 TO 322+62.65 (LT)					5											5, 10
MK2-B-1	ML2 428+64.20 (14.9 LT) TO 443+83.2 (11.9 LT)						0.3										8
MK2-B-2	ML2 429+98.2 TO 436+74.8 (LT & RT)	7															6, 7
MK2-B-3	ML2 437+97.7 (26.5 LT)	1															6, 7
MK2-B-4	MR2 328+54.7 (14.8 RT) TO 343+57.0 (12.6 RT)						0.3										8
MK2-B-5	MR2 330+11.17 TO 335+71.2 (LT & RT)	6															6, 7
MK2-B-6	MR2 336+83.3 TO 337+95 (LT & RT)	7															6, 7
MK2-B-7	ML2 426+45.0					1											4
MK2-B-8	MR2 329+90.0					1											3
MK2-B-9	ML2 436+22.1 (14.5 LT)					1											3
	SHEET TOTAL	27	17830	10810		19	2	2.2									

GENERAL NOTES:

1. SEE STANDARD PLAN M-20.10, LONGITUDINAL MARKING PATTERNS
2. SEE STANDARD PLAN M-20.30, LONGITUDINAL MARKING SUPPLEMENT WITH RAISED PAVEMENT MARKERS
3. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, CROSS CULVERT
4. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, DRAINAGE STRUCTURE INLET
5. SEE STANDARD PLAN M-24.65, BMP DELINEATION LINEAR TYPE AND DRAINAGE DETAILS FOR OFFSET LOCATIONS
6. SEE STANDARD PLAN M-40.10 GUIDE POSTS AND BARRIER DELINEATORS
7. SEE STANDARD PLAN M-40.40, GUIDE POST PLACEMENT HORIZONTAL CURVES
8. SEE STANDARD PLAN M-60.10, SHOULDER RUMBLE STRIP TYPE 1 FOR DIVIDED HIGHWAYS
9. SEE STANDARD PLAN M-24.66 BMP DELINEATION UNDERGROUND AND POND TYPES AND DRAINAGE DETAIL SHEETS
10. SEE DRAINAGE PROFILE SHEETS FOR LOCATIONS OF MFD CLEANOUTS

DESIGNED BY	H. EILERS					REGION NO.	STATE
ENTERED BY	H. EILERS					10	WASH
CHECKED BY	M. FELIBERTI					JOB NUMBER	
PROJ. ENGR.	B. ELLIOTT					21C522	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY	XL6115	

FED. AID PROJ. NO.
ARPA001

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVEMENT MARKING

QTMK1-B

QUANTITY TABULATION - PAVEMENT MARKING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	FLEXIBLE GUIDE POST	PLASTIC LINE	PROFILED PLASTIC LINE		PLASTIC DRAINAGE MARKING	SHOULDER RUMBLE STRIP TYPE 1	RECESSED PAVEMENT MARKER									SEE GENERAL NOTES
		EACH	L.F.	L.F.		EACH	MI.	HUND									
MK2-B-10	MR2 335+83.1 (RT)					1											3
MK2-B-11	ML2 424+26.8 (RT)	1															5
MK2-B-12	ML2 426+41.0 (LT)	1				1											5
MK2-B-13	ML2 427+90.0 (LT)	1				1											5
MK2-B-14	ML2 428+55.5 (RT)	1				1											5
MK2-B-15	ML2 429+13.8 (LT)	1				1											5
MK2-B-16	MR2 328+54.0 (LT)	1				1											5
MK2-B-17	ML2 427+70.0 (LT)					1											4
MK2-B-18	ML2 427+80.1 (LT)					1											4
MK2-B-19	ML2 429+01.7 (LT)	1															6, 7
MK2-B-20	MR2 326+07.93 (LT)	1															5
MK2-B-21	ML2 429+17.2 (LT)					1											4
MK2-B-22	MR2 329+90.0 (LT)					1											4
MK2-B-23	MR2 337+92.5 (RT)					1											4
MK2-B-24	MR2 324+93.96 TO 329+23.80 (LT)					4											5, 10
MK3-B-1	ML2 439+00.6 (RT)					1											6, 7
MK3-B-2	ML2 440+21.5 TO 443+51.8 (RT & LT)	4															6, 7
MK3-B-3	ML2 444+08.0 (RT & LT)					2											3
MK3-B-4	MR2 342+52.4 (LT)					1											4
MK3-B-5	MR2 342+52.5 (RT)					1											3
MK3-B-6	MR2 343+94.9 (RT & LT)					2											3
MK3-B-7	MR2 348+24.7 (RT)					1											3
MK3-B-8	MR2 343+74.8 (RT)	1															5
MK3-B-9	MR2 348+24.6 (LT)					1											4
MK3-B-10	ML2 448+02.6 TO 450+27.6 (RT & LT)	2															6, 7
MK3-B-11	ML2 452+09.65 (12.5 LT) TO ML2 460+48.95 (12.6 LT)		840														1
MK3-B-12	ML2 439+17.8 (RT)	1				1											5
MK3-B-13	MR2 340+16.6 (RT)	1				1											5
MK3-B-14	ML2 441+23.9 (RT)	1				1											5
MK3-B-15	ML2 443+30.4 (RT)	1				1											5
	SHEET TOTAL	19	840			28											

GENERAL NOTES:

1. SEE STANDARD PLAN M-20.10, LONGITUDINAL MARKING PATTERNS
2. SEE STANDARD PLAN M-20.30, LONGITUDINAL MARKING SUPPLEMENT WITH RAISED PAVEMENT MARKERS
3. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, CROSS CULVERT
4. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, DRAINAGE STRUCTURE INLET
5. SEE STANDARD PLAN M-24.65, BMP DELINEATION LINEAR TYPE AND DRAINAGE DETAILS FOR OFFSET LOCATIONS
6. SEE STANDARD PLAN M-40.10 GUIDE POSTS AND BARRIER DELINEATORS
7. SEE STANDARD PLAN M-40.40, GUIDE POST PLACEMENT HORIZONTAL CURVES
8. SEE STANDARD PLAN M-60.10, SHOULDER RUMBLE STRIP TYPE 1 FOR DIVIDED HIGHWAYS
9. SEE STANDARD PLAN M-24.66 BMP DELINEATION UNDERGROUND AND POND TYPES AND DRAINAGE DETAIL SHEETS
10. SEE DRAINAGE PROFILE SHEETS FOR LOCATIONS OF MFD CLEANOUTS

DESIGNED BY	H. EILERS				
ENTERED BY	H. EILERS				
CHECKED BY	M. FELIBERTI				
PROJ. ENGR.	B. ELLIOTT				
REGION ADM.	S. ROARK				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVEMENT MARKING

QTMK2-B

SHEET 473 OF 1241 SHEETS

QUANTITY TABULATION - PAVEMENT MARKING

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	FLEXIBLE GUIDE POST	PLASTIC LINE	PROFILED PLASTIC LINE		PLASTIC DRAINAGE MARKING	SHOULDER RUMBLE STRIP TYPE 1	RECESSED PAVEMENT MARKER									SEE GENERAL NOTES
		EACH	L.F.	L.F.		EACH	MI.	HUND									
MK3-B-16	ML2 447+24.6 (RT)	1															5
MK3-B-17	MR2 347+33.6 (RT)	1															5
MK3-B-18	ML2 451+15.4 (RT)	1				1											5
MK3-B-19	MR2 350+88.0 (RT)	1				1											5
MK3-B-20	ML2 445+77.0 (RT)	1															6, 7
MK3-B-21	ML2 448+41.7 (RT)					1											4
MK3-B-22	ML2 448+41.6 (LT)					1											3
	SHEET TOTAL	5				4											
	SECTION B TOTAL	51	18670	10810		51	2	2.2									

GENERAL NOTES:

1. SEE STANDARD PLAN M-20.10, LONGITUDINAL MARKING PATTERNS
2. SEE STANDARD PLAN M-20.30, LONGITUDINAL MARKING SUPPLEMENT WITH RAISED PAVEMENT MARKERS
3. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, CROSS CULVERT
4. SEE STANDARD PLAN M-24.60, SYMBOL MARKINGS MISCELLANEOUS, DRAINAGE STRUCTURE INLET
5. SEE STANDARD PLAN M-24.65, BMP DELINEATION LINEAR TYPE AND DRAINAGE DETAILS FOR OFFSET LOCATIONS
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7. SEE STANDARD PLAN M-40.40, GUIDE POST PLACEMENT HORIZONTAL CURVES
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9. SEE STANDARD PLAN M-24.66 BMP DELINEATION UNDERGROUND AND POND TYPES AND DRAINAGE DETAIL SHEETS
10. SEE DRAINAGE PROFILE SHEETS FOR LOCATIONS OF MFD CLEANOUTS

DESIGNED BY	H. EILERS					REGION NO.	STATE
ENTERED BY	H. EILERS					10	WASH
CHECKED BY	M. FELIBERTI					JOB NUMBER	
PROJ. ENGR.	B. ELLIOTT					21C522	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY	XL6115	

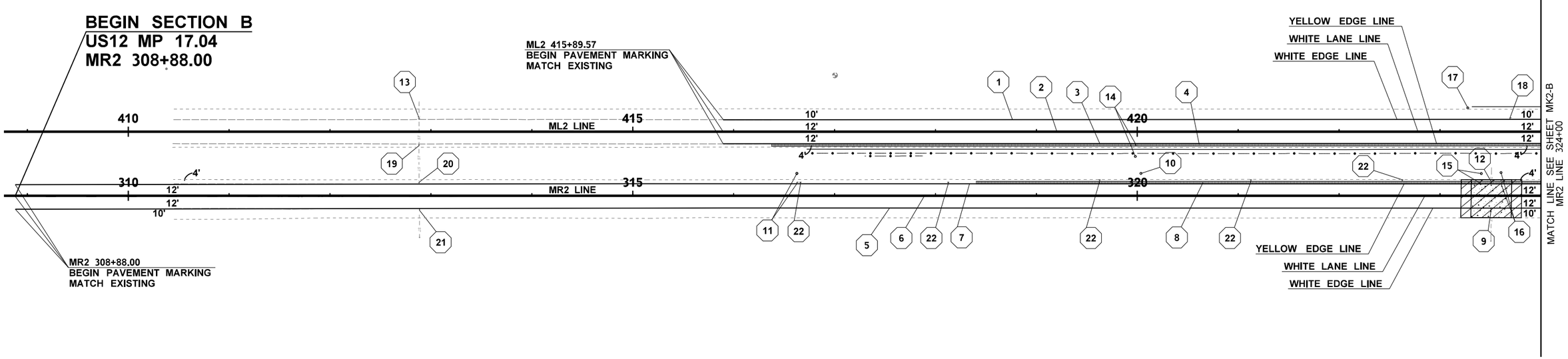
FED. AID PROJ. NO.: ARPA001

Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVEMENT MARKING

QTMK3-B



LEGEND

EXISTING EDGE OF PAVEMENT	BRIDGE STRUCTURE
EXISTING EDGE OF TRAVELED WAY	QUANTITY TAB NOTE
EXISTING LANE LINE	QUANTITY TAB NOTE CONTINUATION
EXISTING GUARDRAIL	NEW FLEXIBLE GUIDE POST
NEW EDGE OF PAVEMENT	DRAINAGE MARKING
NEW EDGE LINE YELLOW	NEW SIGN
NEW LANE LINE	NEW SIGN ASSEMBLY
NEW EDGE LANE WHITE	EXISTING SIGN ASSEMBLY TO BE REMOVED
NEW GUARDRAIL	
NEW RUMBLE STRIP	
UNDERDRAIN ASSEMBLY	

0 50 100
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:01:40 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING PLAN

PLAN REF NO MK1-B
SHEET 475 OF 1241 SHEETS

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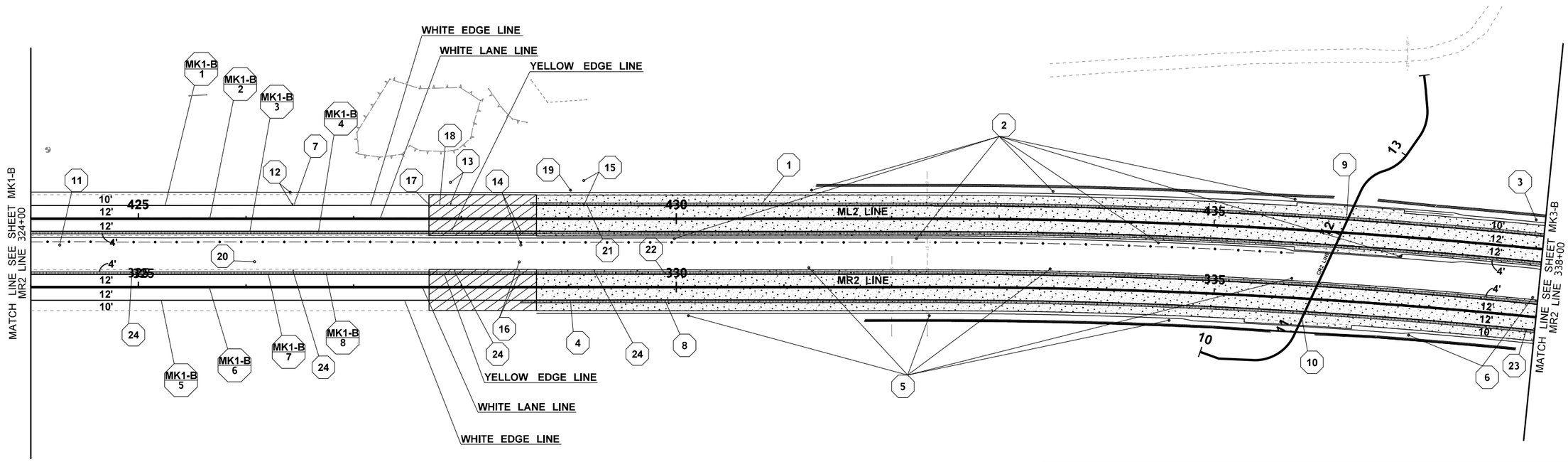

LEGEND

	EXISTING EDGE OF PAVEMENT
	EXISTING EDGE OF TRAVELED WAY
	EXISTING LANE LINE
	EXISTING GUARDRAIL
	NEW EDGE OF PAVEMENT
	NEW EDGE LINE YELLOW
	NEW LANE LINE
	NEW EDGE LANE WHITE
	NEW GUARDRAIL
	NEW RUMBLE STRIP
UD	UNDERDRAIN ASSEMBLY
	BRIDGE STRUCTURE
?	QUANTITY TAB NOTE
?? ??	QUANTITY TAB NOTE CONTINUATION
	NEW FLEXIBLE GUIDE POST
	DRAINAGE MARKING
	NEW SIGN
#	NEW SIGN ASSEMBLY
R-#	EXISTING SIGN ASSEMBLY TO BE REMOVED

0 50 100
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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DATE	12/14/2022
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DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING PLAN

PLAN REF NO
MK2-B

SHEET 476 OF 1241 SHEETS

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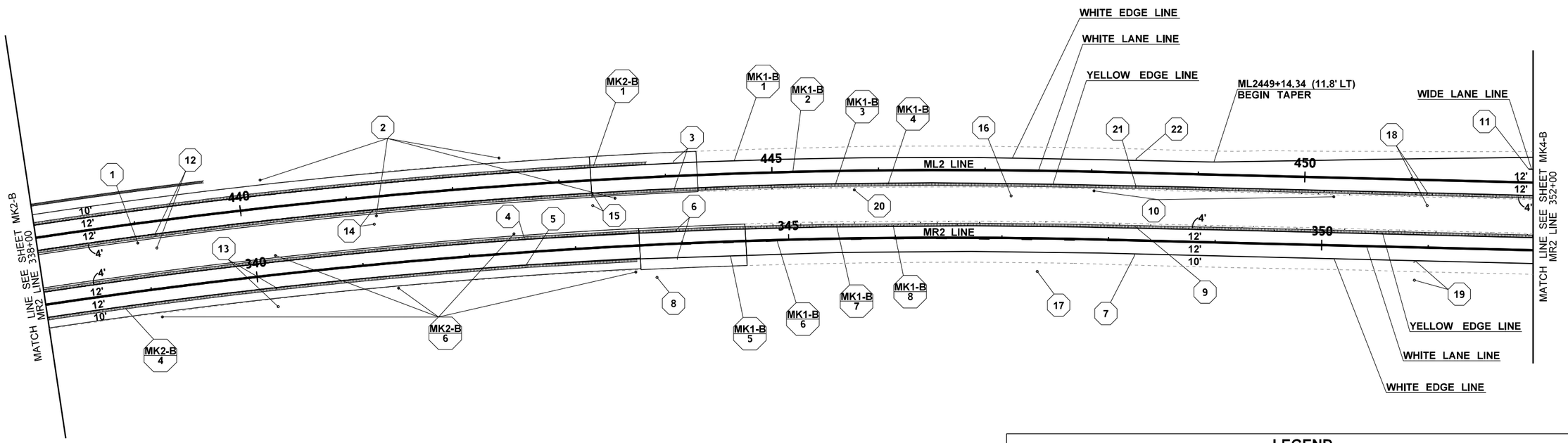

LEGEND

EXISTING EDGE OF PAVEMENT	BRIDGE STRUCTURE
EXISTING EDGE OF TRAVELED WAY	? QUANTITY TAB NOTE
EXISTING LANE LINE	?? ?? QUANTITY TAB NOTE CONTINUATION
EXISTING GUARDRAIL	NEW FLEXIBLE GUIDE POST
NEW EDGE OF PAVEMENT	DRAINAGE MARKING
NEW EDGE LINE YELLOW	NEW SIGN
NEW LANE LINE	# NEW SIGN ASSEMBLY
NEW EDGE LANE WHITE	R-# EXISTING SIGN ASSEMBLY TO BE REMOVED
NEW GUARDRAIL	
NEW RUMBLE STRIP	
UD UD UD UD UNDERDRAIN ASSEMBLY	

0 50 100
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:01:47 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

P.E. STAMP BOX
DATE

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

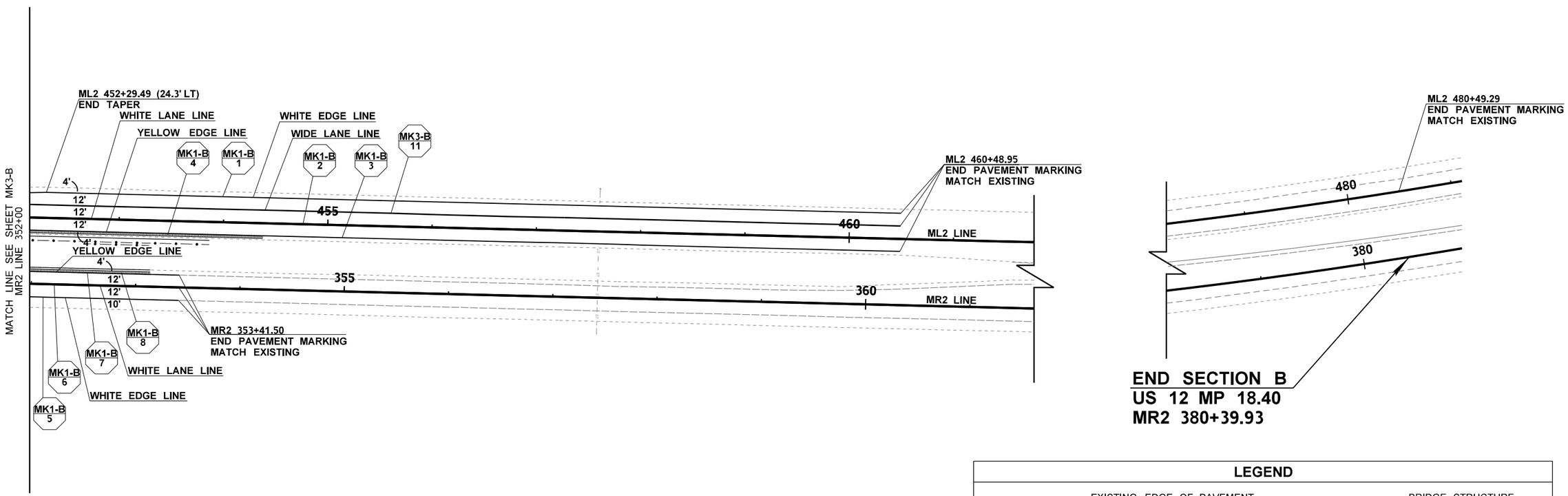
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING PLAN

PLAN REF NO MK3-B

SHEET 477 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_MK_003.dgn



LEGEND

EXISTING EDGE OF PAVEMENT	BRIDGE STRUCTURE
EXISTING EDGE OF TRAVELED WAY	QUANTITY TAB NOTE
EXISTING LANE LINE	QUANTITY TAB NOTE CONTINUATION
EXISTING GUARDRAIL	NEW FLEXIBLE GUIDE POST
NEW EDGE OF PAVEMENT	DRAINAGE MARKING
NEW EDGE LINE YELLOW	NEW SIGN
NEW LANE LINE	NEW SIGN ASSEMBLY
NEW EDGE LANE WHITE	EXISTING SIGN ASSEMBLY TO BE REMOVED
NEW GUARDRAIL	
NEW RUMBLE STRIP	
UNDERDRAIN ASSEMBLY	

0 50 100
SCALE IN FEET

US 12 MP 17.56 UNNAMED TRIBUTARY TO WENZEL SLOUGH

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TIME	11:01:52 AM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	H. EILERS
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		
CONTRACT NO. XL6115		LOCATION NO.

MANUEL LOUIS FELIBERTI, STATE OF WASHINGTON, 36346, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING PLAN

PLAN REF NO
MK4-B

SHEET 478 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\17.56_TribToWenzelSlough\Design_CAD_Sheets\Preliminary_Design\US12MP17.56_E_PS_MK_004.dgn