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8 - 17	SQ1 - SQ10	SUMMARY OF QUANTITIES
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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
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130	RR10-A	RESTORATION DETAILS AND NOTES
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169	SN1-A	SIGN REMOVAL SPECIFICATIONS
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336 - 343	TC69-A - TC76-A	SHORT TERM TRAFFIC CONTROL PLAN

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DESIGNED BY	F. SOH
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 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

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367 - 373	AL1-B - AL7-B	ALIGNMENT AND RIGHT OF WAY PLAN
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571 - 574	TC60-B - TC63-B	QUEUE WARNING SYSTEM PLAN
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650 - 652	DD1-C - DD3-C	DRAINAGE DETAILS
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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
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718 - 722	MK1-C - MK5-C	PAVEMENT MARKING AND SIGNING PLAN
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724	SN2-C	SIGN INSTALLATION SPECIFICATIONS
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731	CT1	CERTIFICATION SHEET
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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
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830 - 836	TC74-C - TC80-C	SHORT TERM TRAFFIC CONTROL PLAN

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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
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1064 - 1066	RS5-E - RS7-E	TEMPORARY ROADWAY SECTIONS
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1176	SN2-E	SIGN RELOCATION SPECIFICATIONS
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1178 - 1182	ST1-E - ST5-E	BURIED STRUCTURE NO. 8/17.25 PLAN
1183	TC1-E	TRAFFIC CONTROL GENERAL NOTES
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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 16:55 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.

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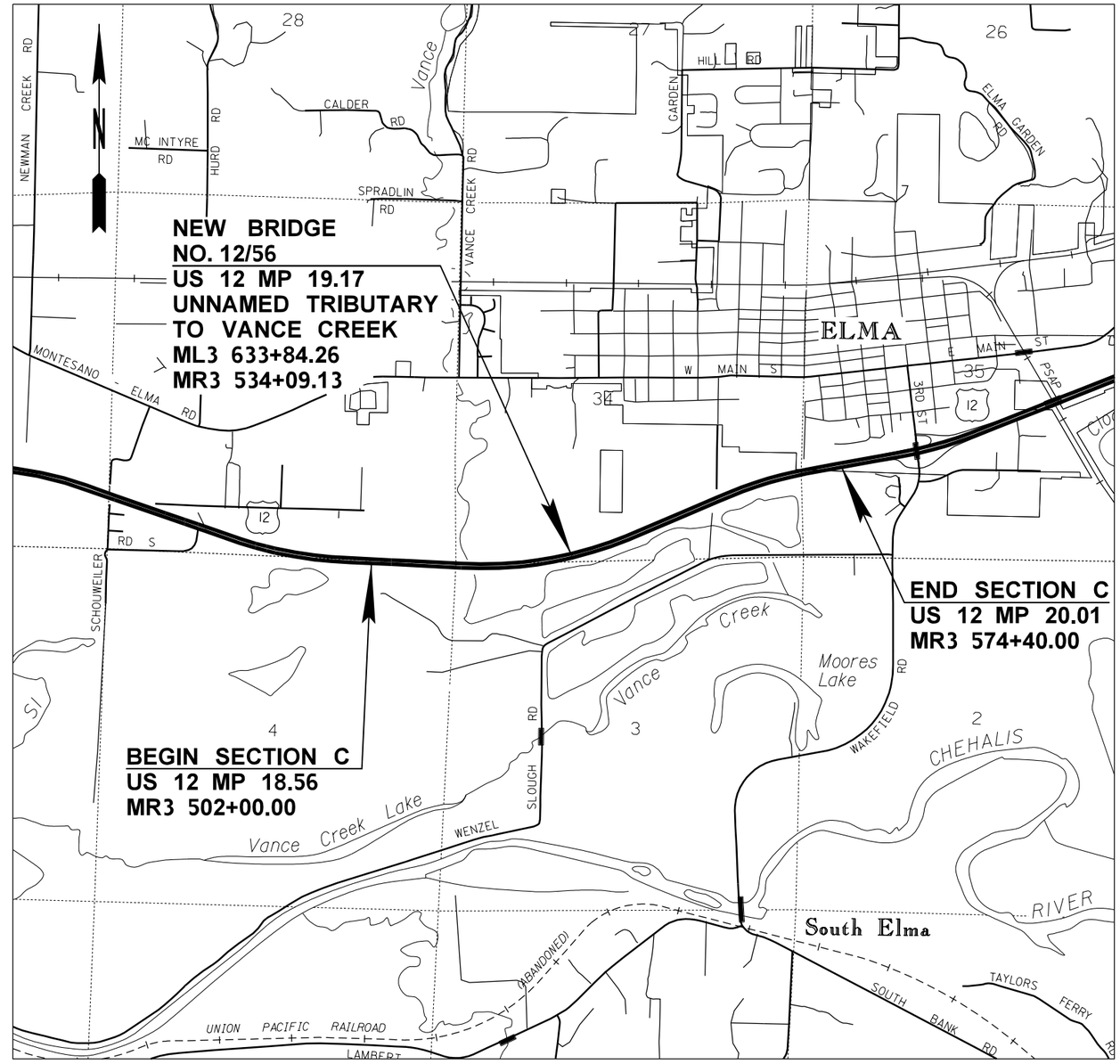
836 - 839	TC72-C - TC75-C	QUEUE WARNING SYSTEM PLAN
840 - 846	TC76-C - TC82-C	SHORT TERM TRAFFIC CONTROL PLAN

T.17N. R.6W. W.M. / T.18N. R.6W. W.M.



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US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022
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DESIGNED BY	F. SOH
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 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

INDEX / VICINITY MAP

PLAN REF NO VM1-C

SHEET 588 OF 1241 SHEETS

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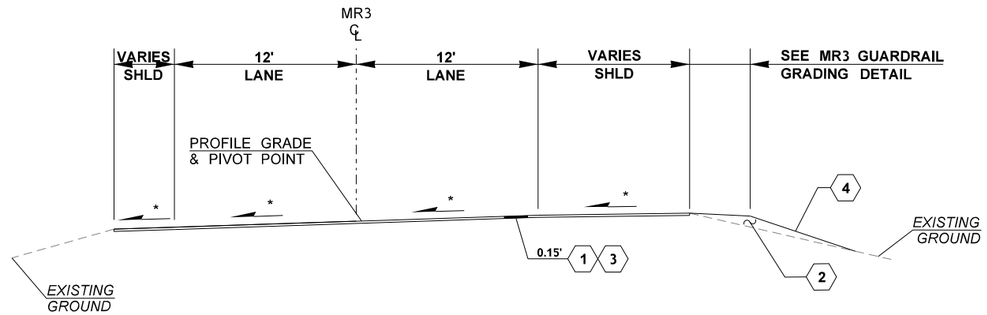
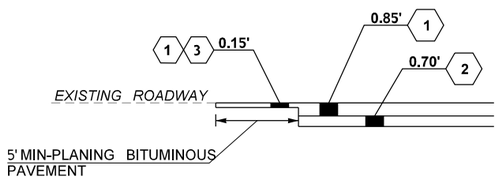


ROADWAY SECTION MR3-1

STATION
MR3 526+75.00 TO MR3 527+75.00
MR3 540+20.00 TO MR3 541+20.00

* MATCH EXISTING CROSS SLOPE. TRANSITION TO ROADWAY SECTION MR3-2 SHALL BE FIELD DETERMINED



DETAIL A - BUTT JOINT PLANING

STATION
MR3 526+75.00 TO MR3 527+75.00
MR3 540+20.00 TO MR3 541+20.00
ML3 625+85.00 TO ML3 626+85.00
ML3 640+65.00 TO ML3 641+65.00

NOTES:

1. ALL PAVEMENT AND SURFACING DEPTHS ARE FINAL COMPACTED DEPTHS. COURSES SHALL NOT EXCEED THE DEPTHS DEFINED IN THE STANDARD SPECIFICIATIONS.
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATION AND TYPE.
3. SEE WSDOT STD. PLANS A-50.10 FOR WIDENING AT GUARDRAIL TRANSITION SECTIONS AND C-22.40 FOR EMBANKMENT WIDENING AT GUARDRAIL END TREATMENTS
4. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD. SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
5. 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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

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DESIGNED BY	K. EMERY
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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, 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

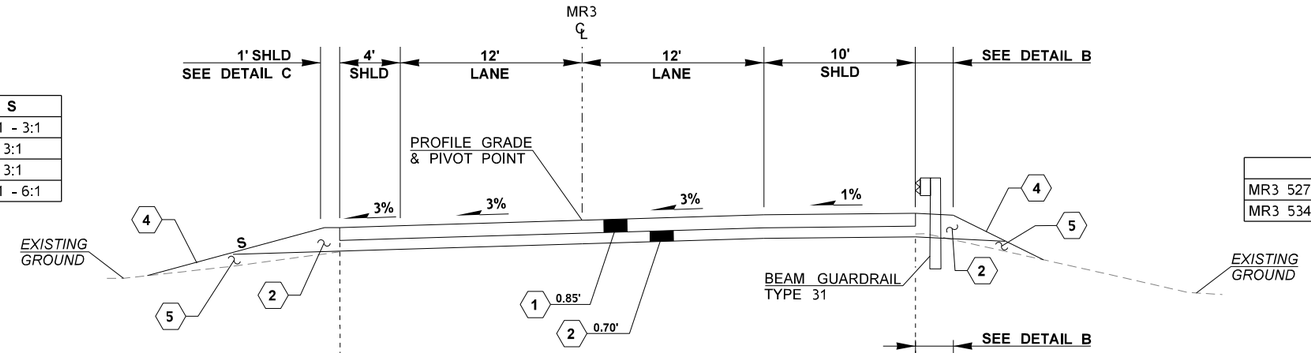
ROADWAY SECTIONS

PLAN REF NO RS1-C

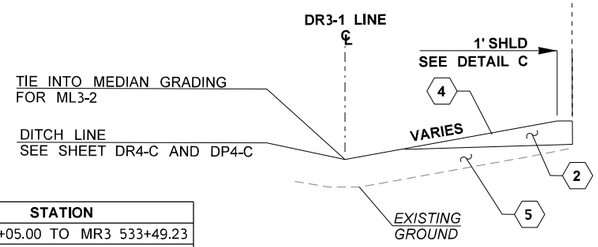
SHEET 589 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_RS_001.dgn

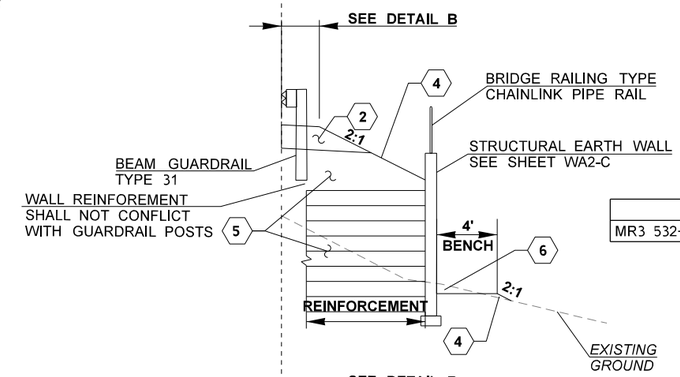
STATION	S
MR3 527+75.00 TO MR3 528+00.00	6:1 - 3:1
MR3 528+00.00 TO MR3 530+05.00	3:1
MR3 538+35.00 TO MR3 540+00.00	3:1
MR3 540+00.00 TO MR3 540+20.00	3:1 - 6:1



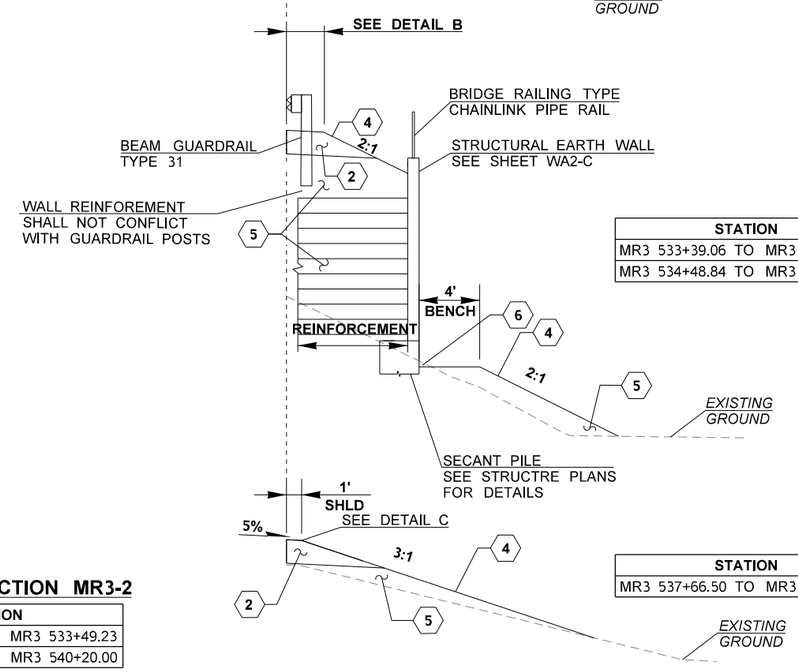
STATION
MR3 527+75.00 TO MR3 532+75.85
MR3 534+76.75 TO MR3 537+66.50



STATION
MR3 530+05.00 TO MR3 533+49.23
MR3 534+48.84 TO MR3 538+35.00

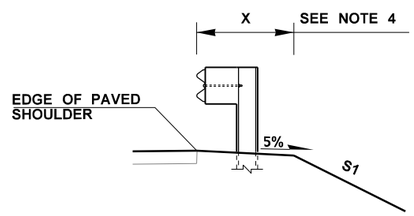


STATION
MR3 532+75.85 TO MR3 533+39.06



STATION
MR3 533+39.06 TO MR3 533+49.23
MR3 534+48.84 TO MR3 534+92.23

STATION
MR3 537+66.50 TO MR3 540+20.00



DETAIL B - MR3 GUARDRAIL GRADING

STATION	X	S1
MR3 527+14.13 TO MR3 527+56.31	0' TO 7'	3:1
MR3 527+56.31 TO MR3 527+73.23	7'	3:1 TO 4:1
MR3 527+73.23 TO MR3 528+22.01	7' TO 4'	4:1
MR3 528+22.01 TO MR3 528+46.91	4' TO 2.5'	4:1 TO 3:1
MR3 528+46.91 TO MR3 529+80.00	2.5'	3:1
MR3 529+80.00 TO MR3 530+05.00	2.5'	3:1 TO 2:1
MR3 530+05.00 TO MR3 532+96.15	2.5'	2:1
MR3 532+96.15 TO MR3 533+05.55	2.5' TO 4'	2:1
MR3 533+05.55 TO MR3 533+49.23	4'	2:1
MR3 534+48.84 TO MR3 534+92.55	4'	2:1
MR3 534+92.55 TO MR3 535+01.56	4' TO 2.5'	2:1
MR3 535+01.56 TO MR3 537+35.00	2.5'	2:1
MR3 537+35.00 TO MR3 537+60.00	2.5'	2:1 TO 3:1
MR3 537+60.00 TO MR3 537+66.50	2.5'	3:1

ROADWAY SECTION MR3-2

STATION
MR3 527+75.00 TO MR3 533+49.23
MR3 534+48.84 TO MR3 540+20.00

NOTES:

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2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATION AND TYPE.
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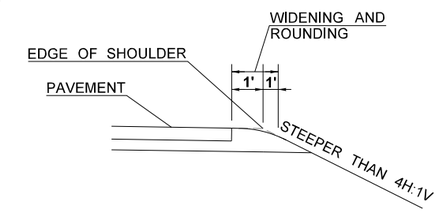
5. PAVEMENT SHALL BE PLACED WITH A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'



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

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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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

FED.AID PROJ.NO. ARPA001

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

ROADWAY SECTIONS

PLAN REF NO RS2-C

SHEET 590 OF 1241 SHEETS

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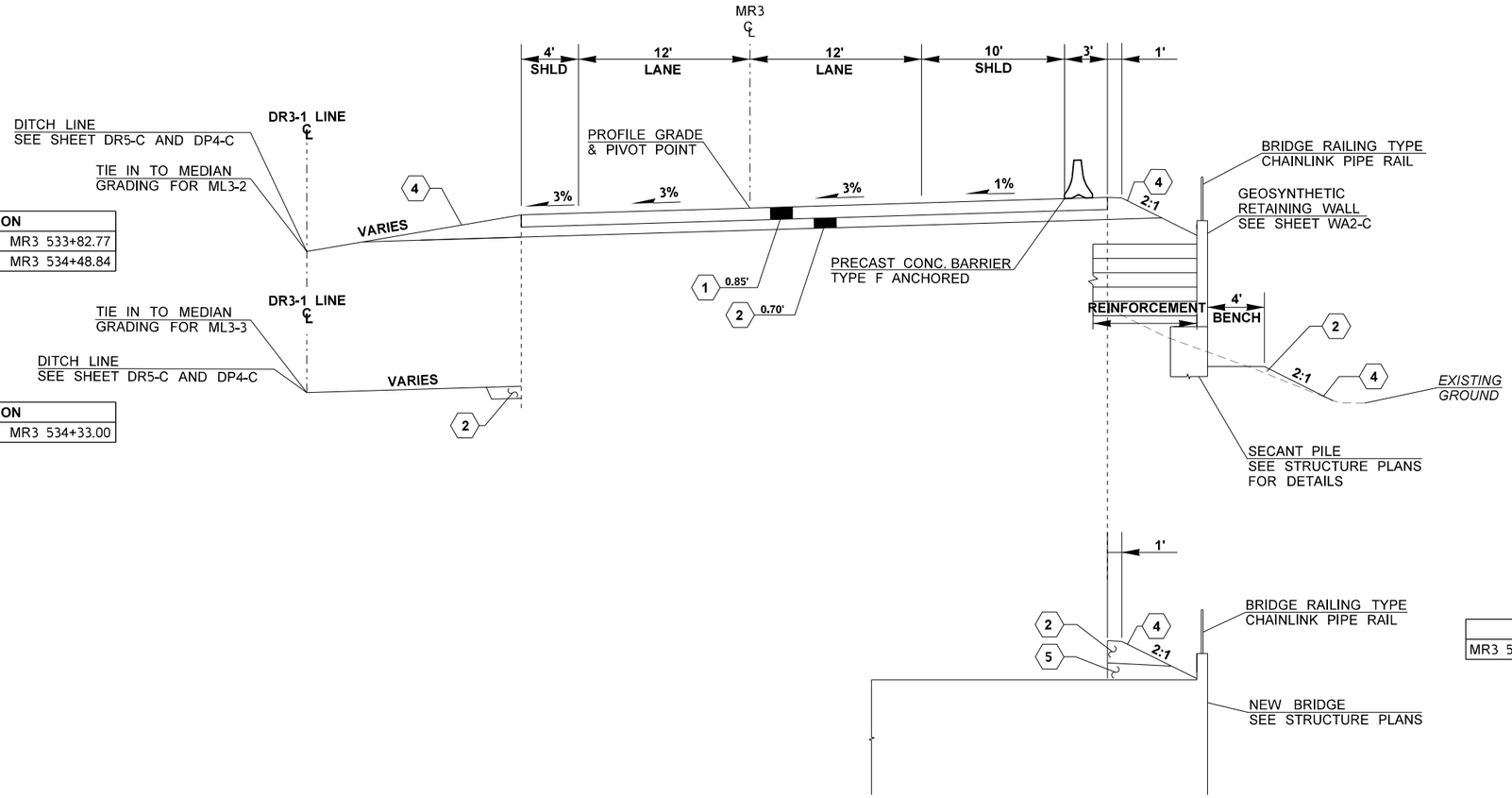


STATION
MR3 533+49.23 TO MR3 533+82.77
MR3 534+33.00 TO MR3 534+48.84

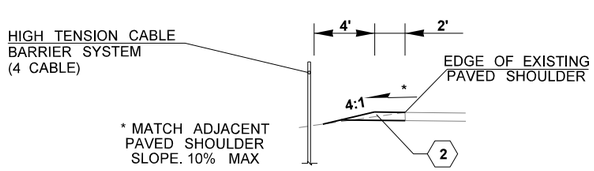
STATION
MR3 533+82.77 TO MR3 534+33.00

STATION
MR3 533+49.23 TO MR3 533+92.92
MR3 534+29.83 TO MR3 534+48.84

STATION
MR3 533+92.92 TO MR3 534+29.83

ROADWAY SECTION MR3-3

STATION
MR3 533+49.23 TO MR3 534+48.84



DETAIL D - MR3 HIGH TENSION CABLE BARRIER

STATION
MR3 549+86.40 TO ML3 562+61.04

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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

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DESIGNED BY	K. EMERY					
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.

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 SECTIONS

PLAN REF NO
RS3-C

SHEET 591 OF 1241 SHEETS

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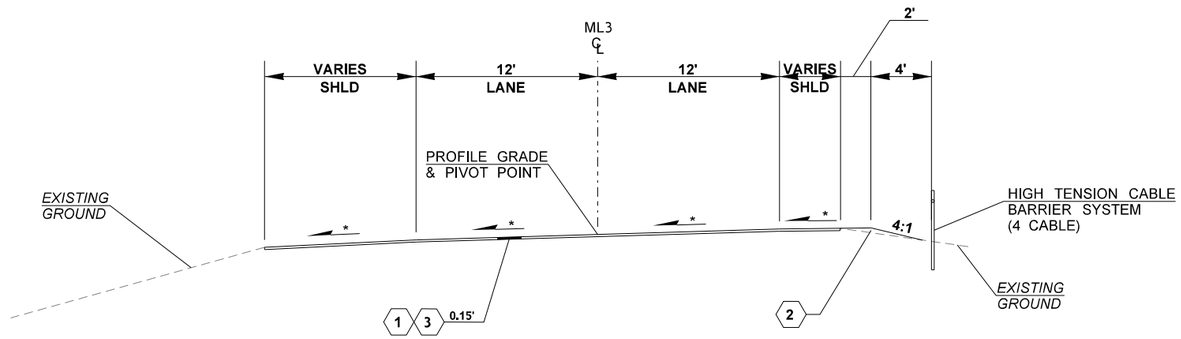
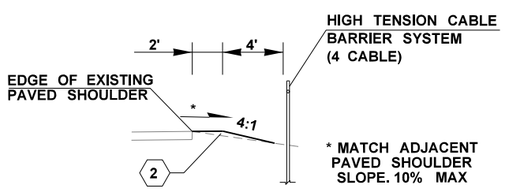


ROADWAY SECTION ML3-1

STATION
ML3 625+85.00 TO ML3 626+85.00
ML3 640+65.00 TO ML3 641+65.00

* MATCH EXISTING CROSS SLOPE. TRANSITION TO ROADWAY SECTION ML3-2 SHALL BE FIELD DETERMINED



DETAIL E - ML3 HIGH TENSION CABLE BARRIER

STATION
ML3 610+13.67 TO ML3 625+85.00
ML3 641+65.00 TO ML3 649+13.62

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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS4-C

SHEET 592 OF 1241 SHEETS

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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.

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.

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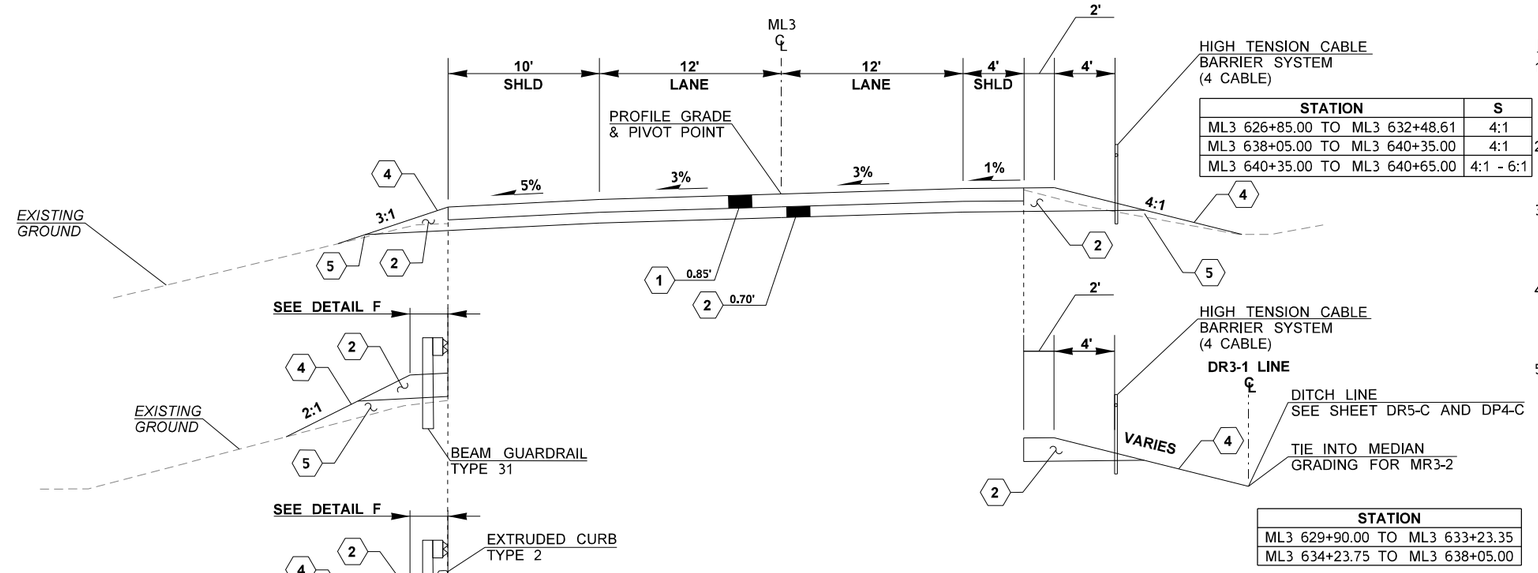

STATION	S
ML3 626+85.00 TO ML3 632+48.61	4:1
ML3 638+05.00 TO ML3 640+35.00	4:1
ML3 640+35.00 TO ML3 640+65.00	4:1 - 6:1

STATION
ML3 629+90.00 TO ML3 633+23.35
ML3 634+23.75 TO ML3 638+05.00

NOTES:

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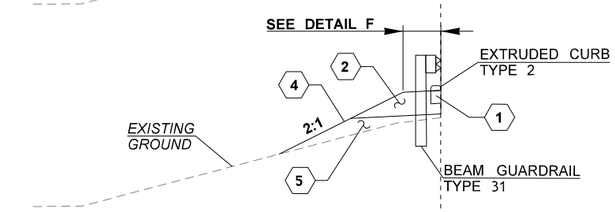
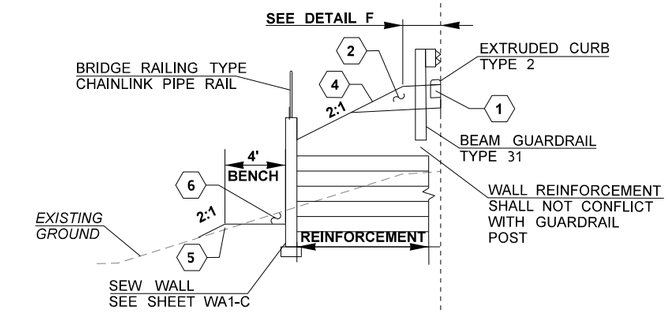
4. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD. SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
5. PAVEMENT SHALL BE PLACED WITH A MINIMUM OF 2 LIFTS WITH A FINAL WEARING COURSE LIFT OF 0.15'

STATION
ML3 626+85.00 TO ML3 628+90.30
ML3 640+54.38 TO ML3 640+65.00

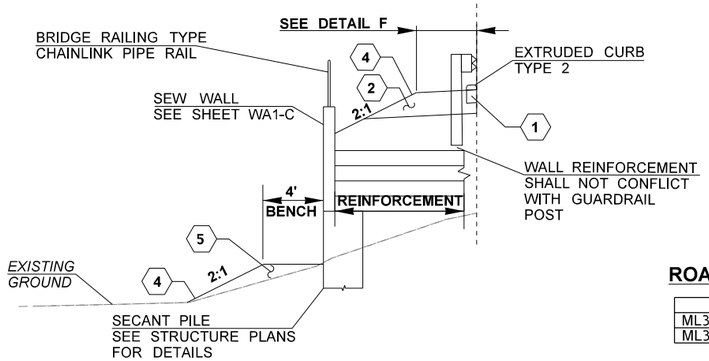
STATION
ML3 628+90.30 TO ML3 629+90.00
ML3 636+10.00 TO ML3 640+54.38



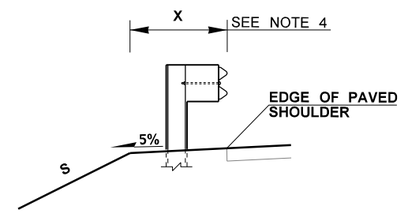
STATION
ML3 629+90.00 TO ML3 630+00.00
ML3 636+00.00 TO ML3 636+10.00



STATION
ML3 630+00.00 TO ML3 633+07.32
ML3 634+57.04 TO ML3 636+00.00



STATION
ML3 633+07.32 TO ML3 633+23.35
ML3 634+23.73 TO ML3 634+57.04



DETAIL F - ML3 GUARDRAIL GRADING

STATION	X	S
ML3 628+90.30 TO ML3 629+15.30	2.5'	3:1 TO 2:1
ML3 629+15.30 TO ML3 632+70.31	2.5'	2:1
ML3 632+70.31 TO ML3 632+79.30	2.5' TO 4'	2:1
ML3 632+79.30 TO ML3 633+23.35	4'	2:1
ML3 634+23.73 TO ML3 634+67.78	4'	2:1
ML3 634+67.78 TO ML3 634+76.78	4' TO 2.5'	2:1
ML3 634+76.78 TO ML3 637+85.00	2.5'	2:1
ML3 637+85.00 TO ML3 638+10.00	2.5'	2:1 TO 3:1
ML3 638+10.00 TO ML3 639+80.06	2.5'	3:1
ML3 639+80.06 TO ML3 640+05.16	2.5' TO 4'	3:1
ML3 640+05.16 TO ML3 640+54.38	4' TO 7'	3:1

ROADWAY SECTION ML3-2

STATION
ML3 626+85.00 TO ML3 633+23.35
ML3 634+23.73 TO ML3 640+65.00

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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS5-C

SHEET 593 OF 1241 SHEETS

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TIME	11:59:39 AM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

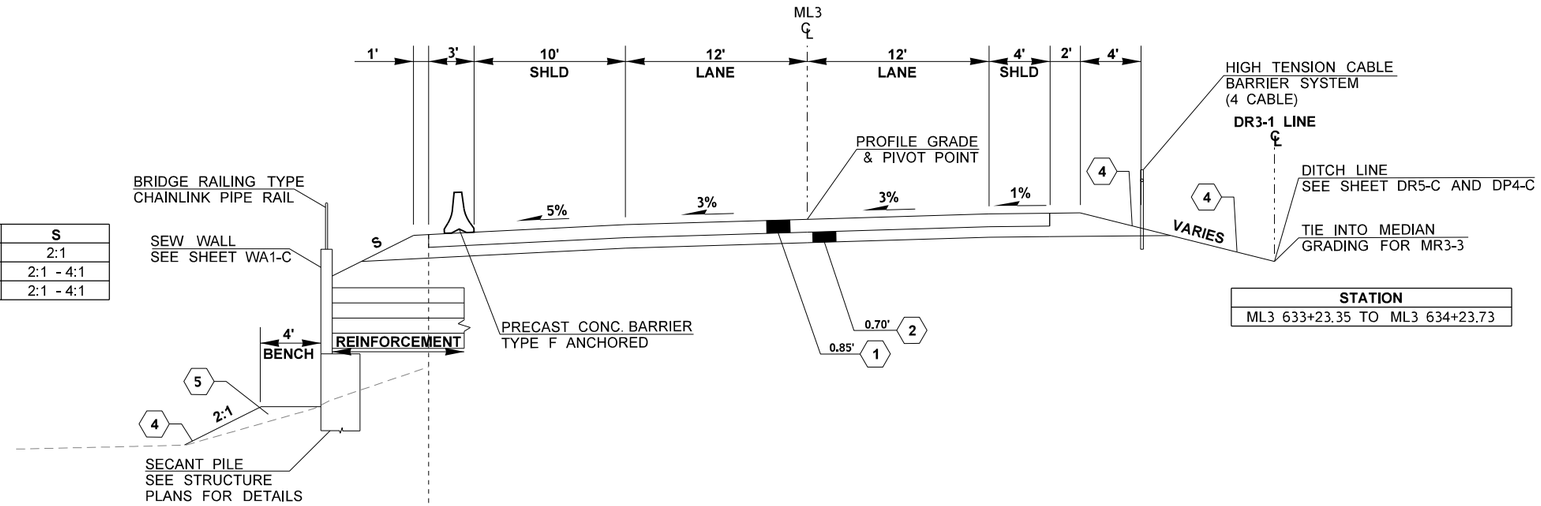
SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

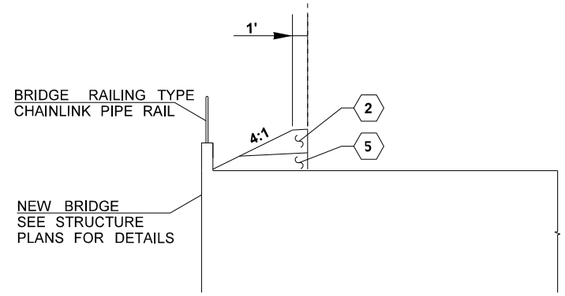
DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_RS_005.dgn



STATION	S
ML3 633+23.35 TO ML3 633+38.30	2:1
ML3 633+38.30 TO ML3 633+63.30	2:1 - 4:1
ML3 634+00.61 TO ML3 634+23.73	2:1 - 4:1

STATION
ML3 633+23.35 TO ML3 634+23.73



STATION
ML3 633+63.30 TO ML3 634+00.61

ROADWAY SECTION ML3-3

STATION
ML3 633+23.35 TO ML3 634+23.73

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 LOCATION AND TYPE.
3. SEE WSDOT STD PLANS A-50.10 FOR WIDENING AT GUARDRAIL TRANSITION SECTIONS AND C-22.40 FOR EMBANKMENT WIDENING AT GUARDRAIL END TREATMENTS
4. ALL ROADWAY EMBANKMENTS SHALL BE CLEAT-TRACKED PER WSDOT STD SPEC 8-01.3(2)A. NO DECOMPACTION REQUIRED FOR SEEDING EMBANKMENTS
5. PAVEMENT SHALL BE PLACED WITH 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 - VANCE CREEK
6. ROADWAY EXCAVATION INCL. HAUL

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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.

MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36146 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

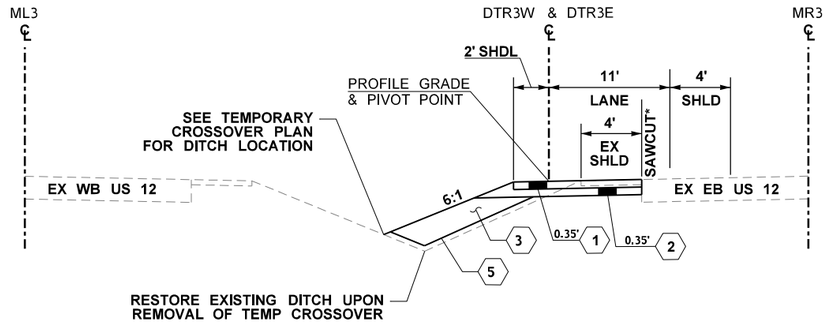
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY SECTIONS

PLAN REF NO RS6-C

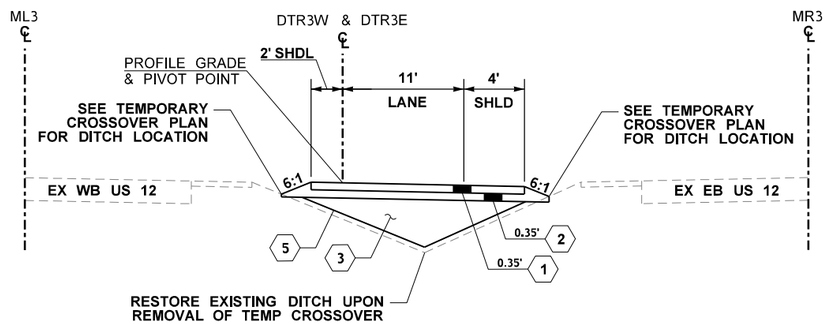
SHEET 594 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_RS_006.dgn



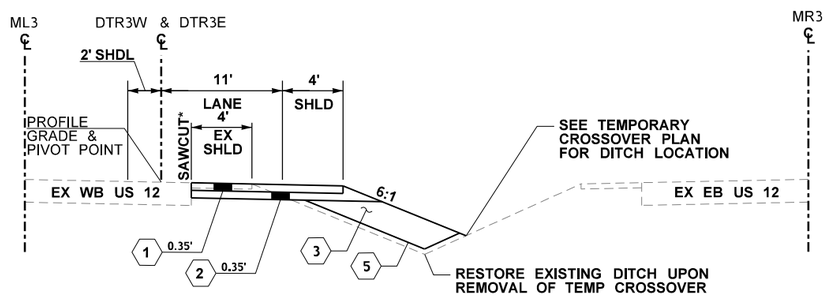
TEMPORARY ROADWAY SECTION DTR3W-1 & DTR3E-1

STATION
DTR3W 1500+00.00 TO DTR3W 1505+21.58
DTR3E 1557+45.40 TO DTR3E 1562+35.94



TEMPORARY ROADWAY SECTION DTR3W-2 & DTR3E-2

STATION
DTR3W 1505+21.58 TO DTR3W 1508+13.02
DTR3E 1555+26.76 TO DTR3E 1557+45.40

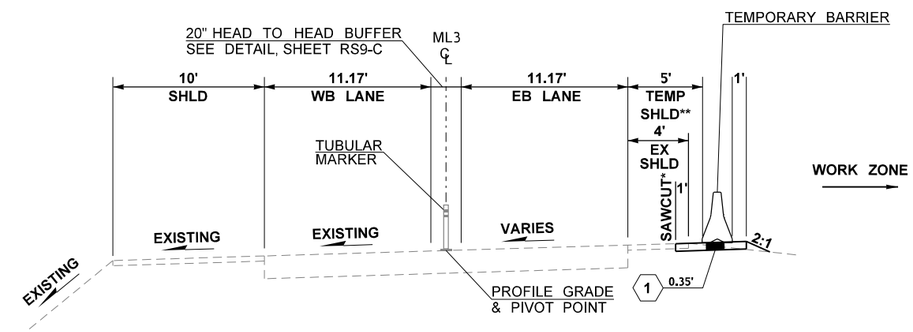


TEMPORARY ROADWAY SECTION DTR3W-3 & DTR3E-3

STATION
DTR3W 1508+13.02 TO DTR3W 1512+93.98
DTR3E 1550+00.00 TO DTR3E 1555+26.76

NOTES:

1. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATION AND TYPE.
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



TEMPORARY ROADWAY SECTION ML3

STATION
ML3 625+00.00 TO ML3 643+00.00

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

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_RS_007.dgn				
TIME	11:59:49 AM				
DATE	12/15/2022				
PLOTTED BY	Fts				
DESIGNED BY	F. SOH				
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.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

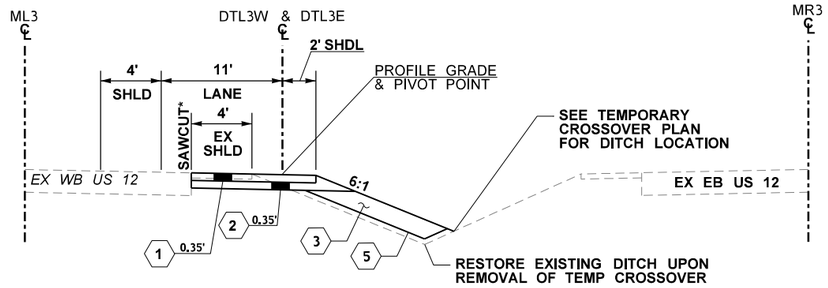
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY SECTIONS

PLAN REF NO RS7-C

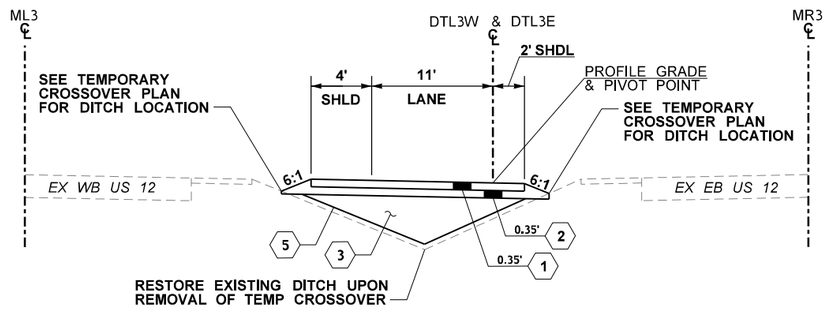
SHEET 595 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_RS_007.dgn



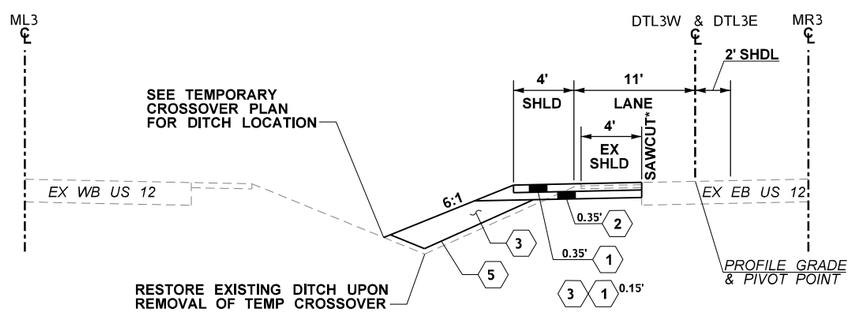
TEMPORARY ROADWAY SECTION DTL3W-1 & DTL3E-1

STATION
DTL3W 1600+00.00 TO DTL3W 1605+63.63
DTL3E 1657+57.64 TO DTL3E 1664+78.01



TEMPORARY ROADWAY SECTION DTL3W-2 & DTL3E-2

STATION
DTL3W 1605+63.63 TO DTL3W 1608+34.30
DTL3E 1655+19.34 TO DTL3E 1657+57.64

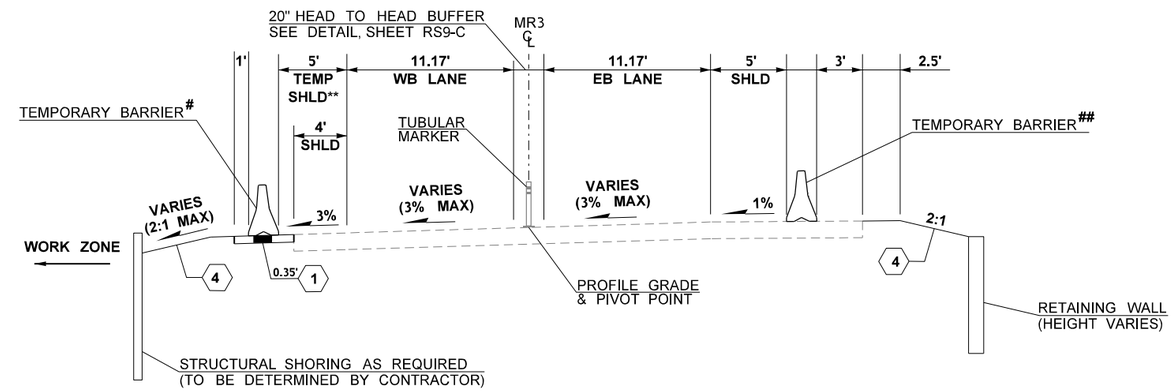


TEMPORARY ROADWAY SECTION DTL3W-3 & DTL3E-3

STATION
DTL3W 1608+34.30 TO DTL3W 1614+99.05
DTL3E 1650+00.00 TO DTL3E 1655+19.34

NOTES:

1. ALL DEPTHS SHOWN ARE FINAL COMPACTED DEPTHS
2. SEE PAVING PLANS AND PAVING Q-TABS FOR BARRIER, GUARDRAIL AND EXTRUDED CURB LOCATION AND TYPE.
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



TEMPORARY ROADWAY SECTION MR3

STATION
MR3 525+00.00 TO MR3 543+00.00

TEMPORARY BARRIER SHALL BE CONCRETE BARRIER TYPE 2 WITH TYPE 3 ANCHOR PER STD. PLAN K-80.32 AND K-80.35 FROM MR3 533+80 TO MR3 534+30.

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

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 MILLING DETAIL, SHEET RS9-C
** RESTORE SHOUDER BACK TO 4' WIDE UPON REMOVAL OF TEMPORARY CROSSOVER

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY SECTIONS

PLAN REF NO RS8-C

SHEET 596 OF 1241 SHEETS

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

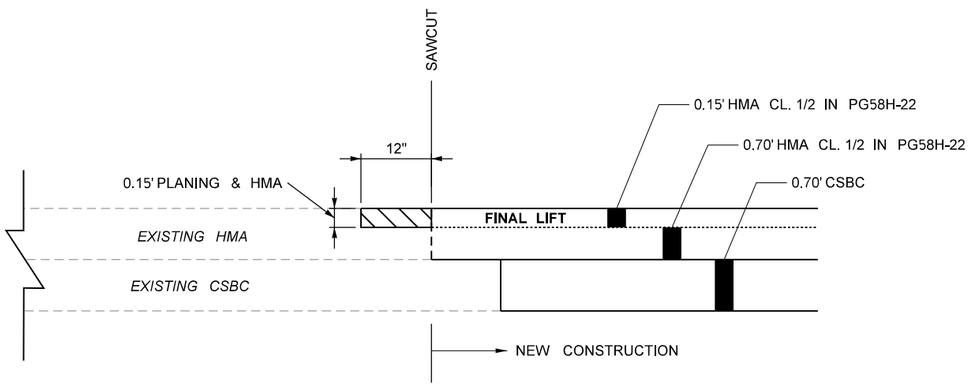
SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

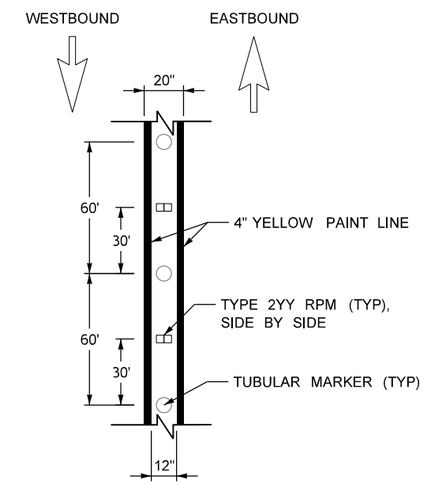
DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_RS_008.dgn



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 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

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PLOTTED BY	Fts
DESIGNED BY	F. SOH
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.

MARK DOUGLAS BAGLIEN · STATE OF WASHINGTON · 20104380 · REGISTERED PROFESSIONAL ENGINEER

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

TEMPORARY ROADWAY SECTIONS

PLAN REF NO
RS9-C

SHEET 597 OF 1241 SHEETS

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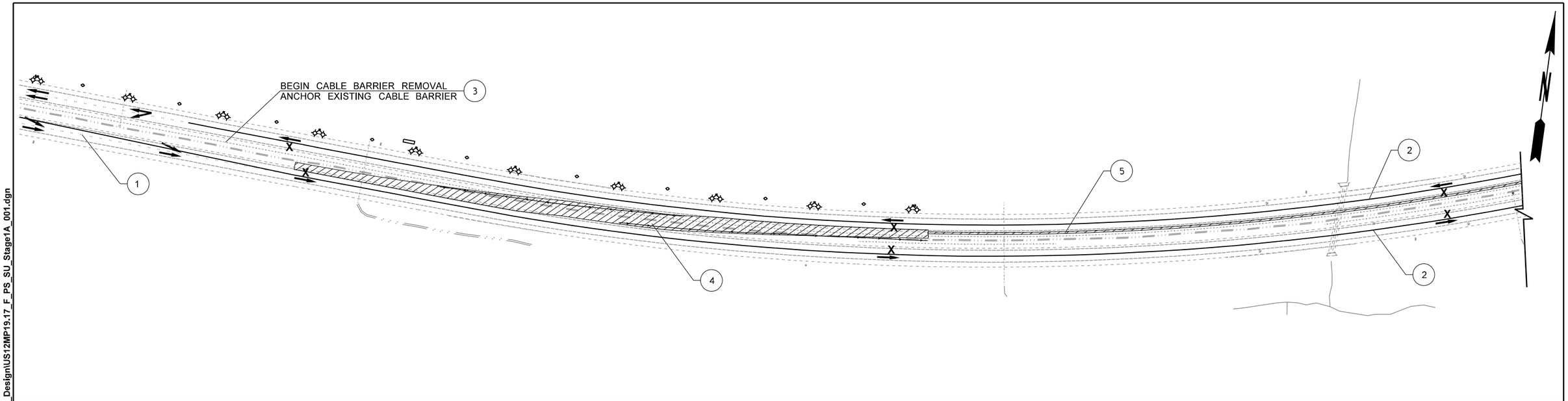
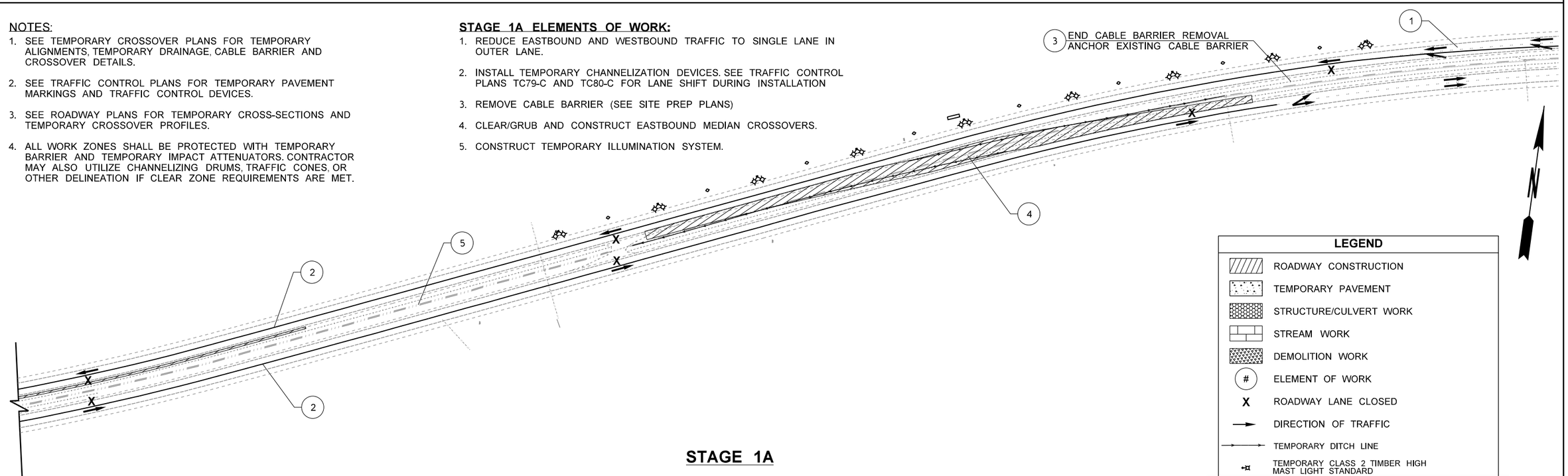


NOTES:

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. REDUCE EASTBOUND AND WESTBOUND TRAFFIC TO SINGLE LANE IN OUTER LANE.
2. INSTALL TEMPORARY CHANNELIZATION DEVICES. SEE TRAFFIC CONTROL PLANS TC79-C AND TC80-C FOR LANE SHIFT DURING INSTALLATION
3. REMOVE CABLE BARRIER (SEE SITE PREP PLANS)
4. CLEAR/GRUB AND CONSTRUCT EASTBOUND MEDIAN CROSSOVERS.
5. CONSTRUCT TEMPORARY ILLUMINATION SYSTEM.



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 1A

0 100 200
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/13/2022						
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DESIGNED BY	M. RAGUSE				CONTRACT NO. XL6115		LOCATION NO.
ENTERED BY	M. RAGUSE						
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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO
SU1-C

SHEET 598 OF 1241 SHEETS

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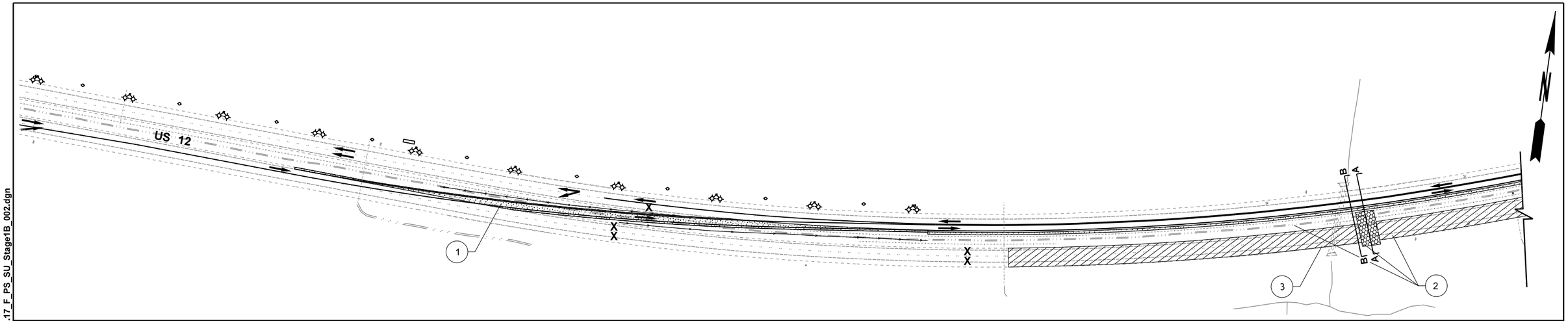
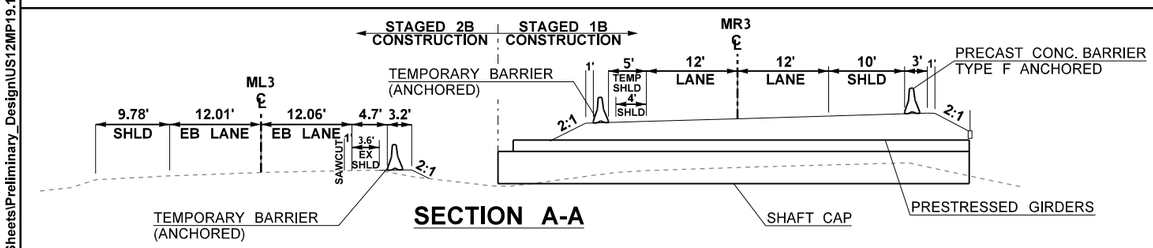
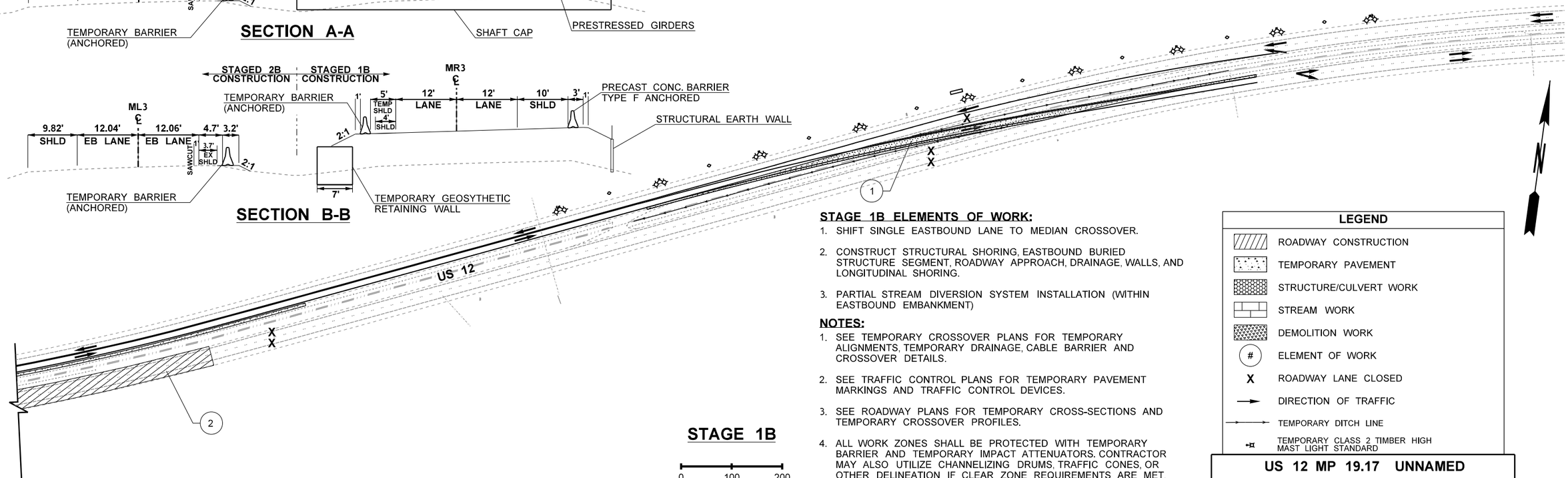




SECTION A-A

SECTION B-B



STAGE 1B

0 100 200
SCALE IN FEET

STAGE 1B ELEMENTS OF WORK:

1. SHIFT SINGLE EASTBOUND LANE TO MEDIAN CROSSOVER.
2. CONSTRUCT STRUCTURAL SHORING, EASTBOUND BURIED STRUCTURE SEGMENT, ROADWAY APPROACH, DRAINAGE, WALLS, AND LONGITUDINAL SHORING.
3. PARTIAL STREAM DIVERSION SYSTEM INSTALLATION (WITHIN EASTBOUND EMBANKMENT)

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.

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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
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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
SU2-C

SHEET 599 OF 1241 SHEETS

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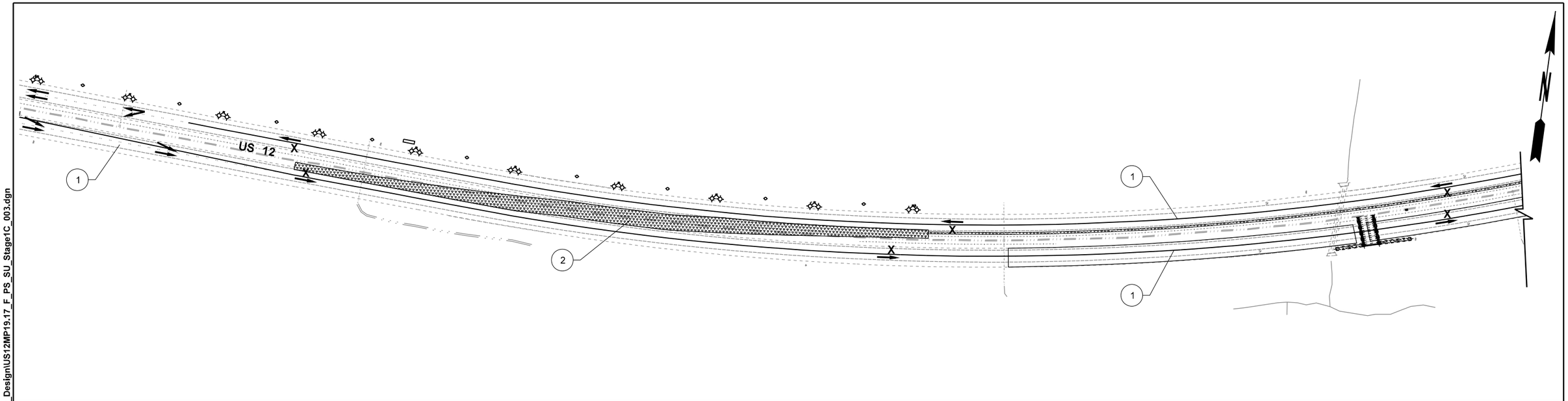
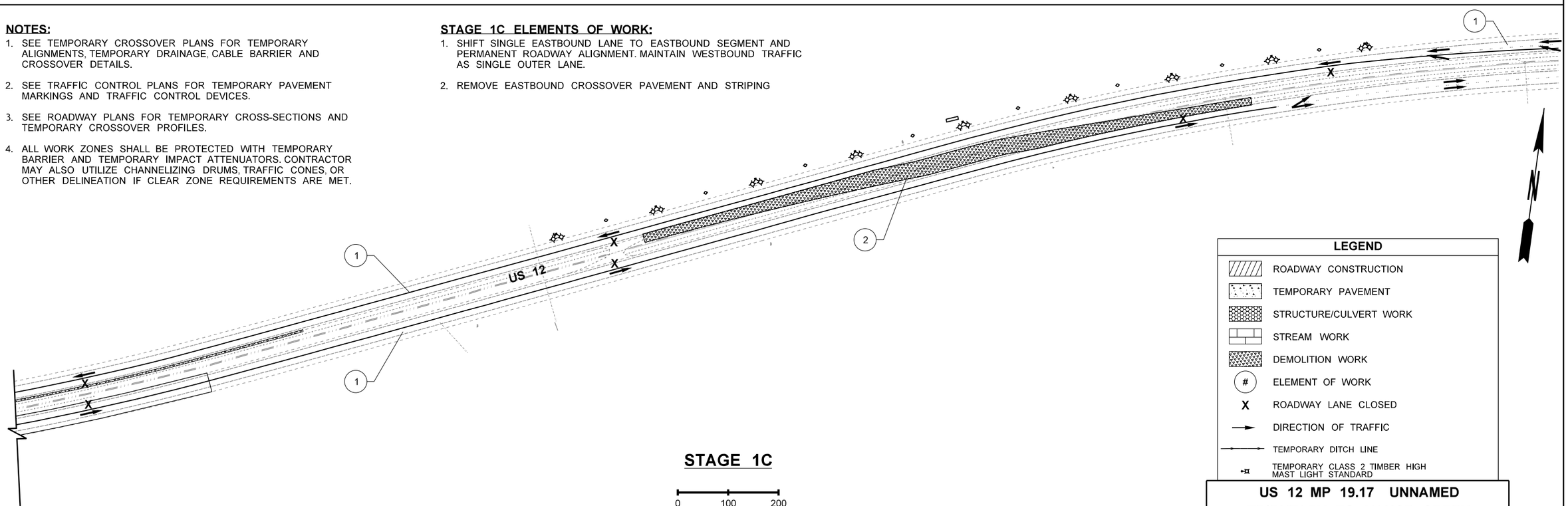


NOTES:

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



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 1C

0 100 200
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_SU_Stage1C_003.dgn
TIME	1:24:17 PM
DATE	12/13/2022
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. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

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

DATE

P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

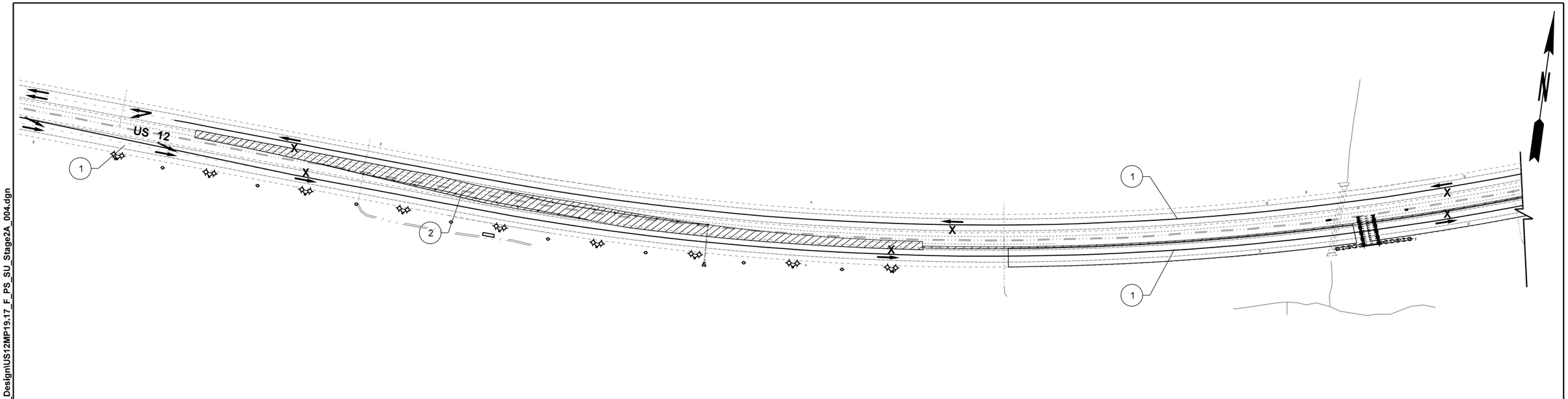
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU3-C

SHEET 600 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SU_Stage1C_003.dgn

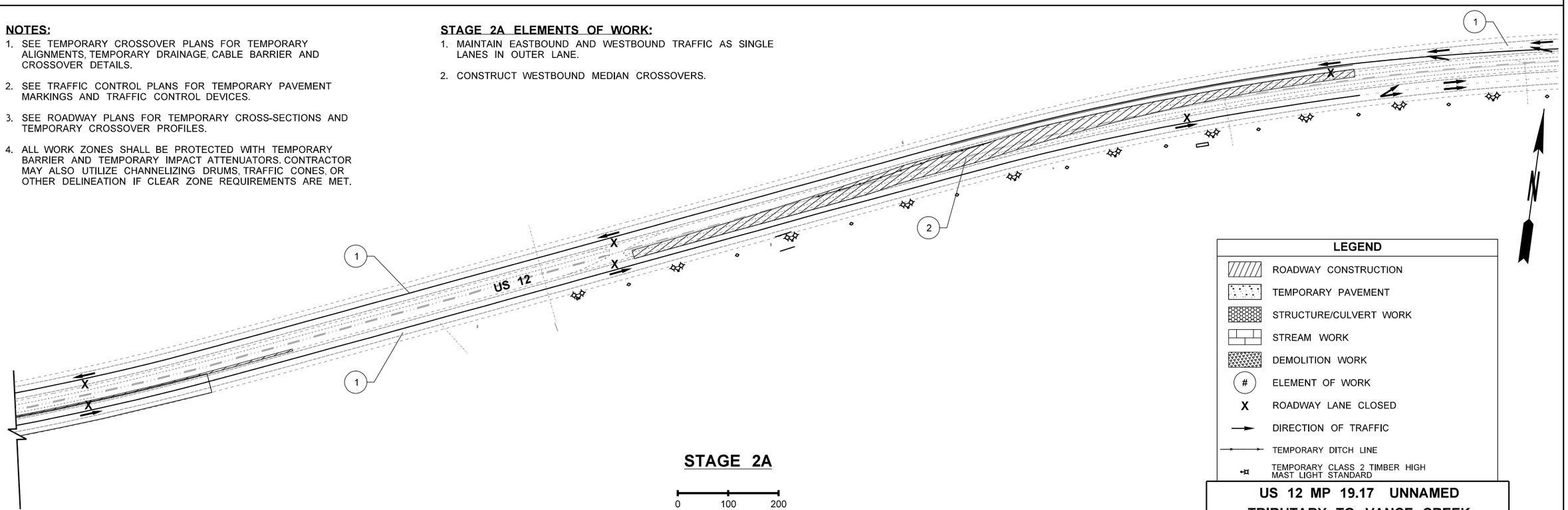


NOTES:

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_SU_Stage2A_004.dgn
TIME	1:24:27 PM
DATE	12/13/2022
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		

MARK 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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

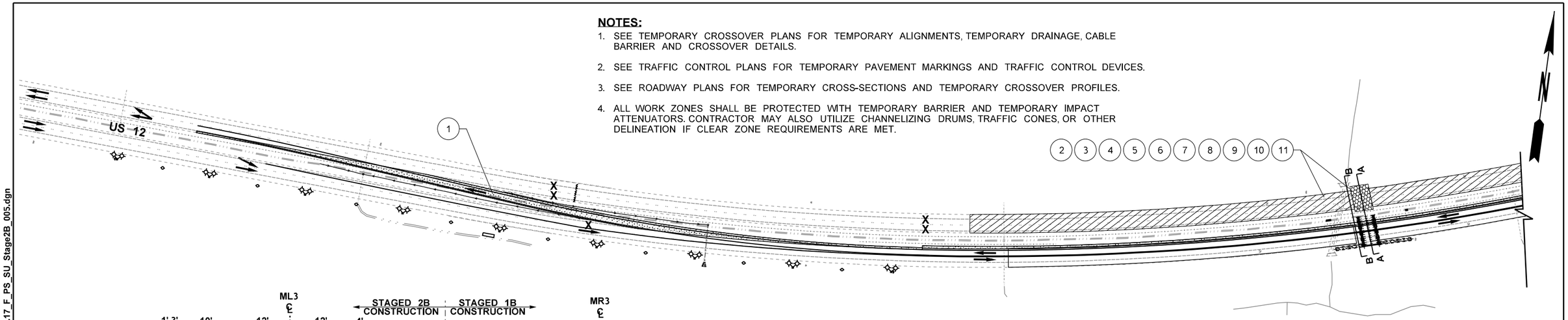
PLAN REF NO
SU4-C

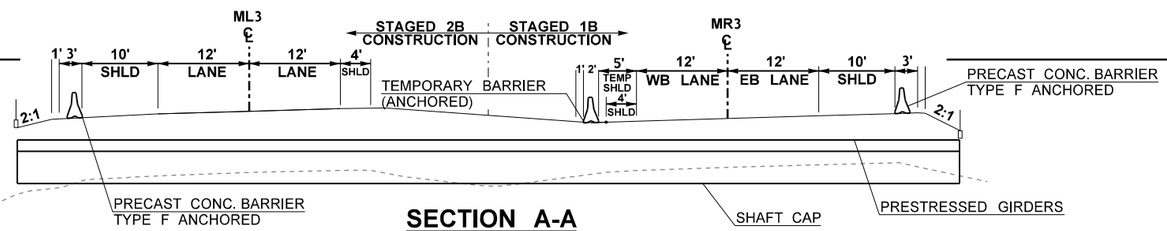
SHEET 601 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SU_Stage2A_004.dgn

NOTES:

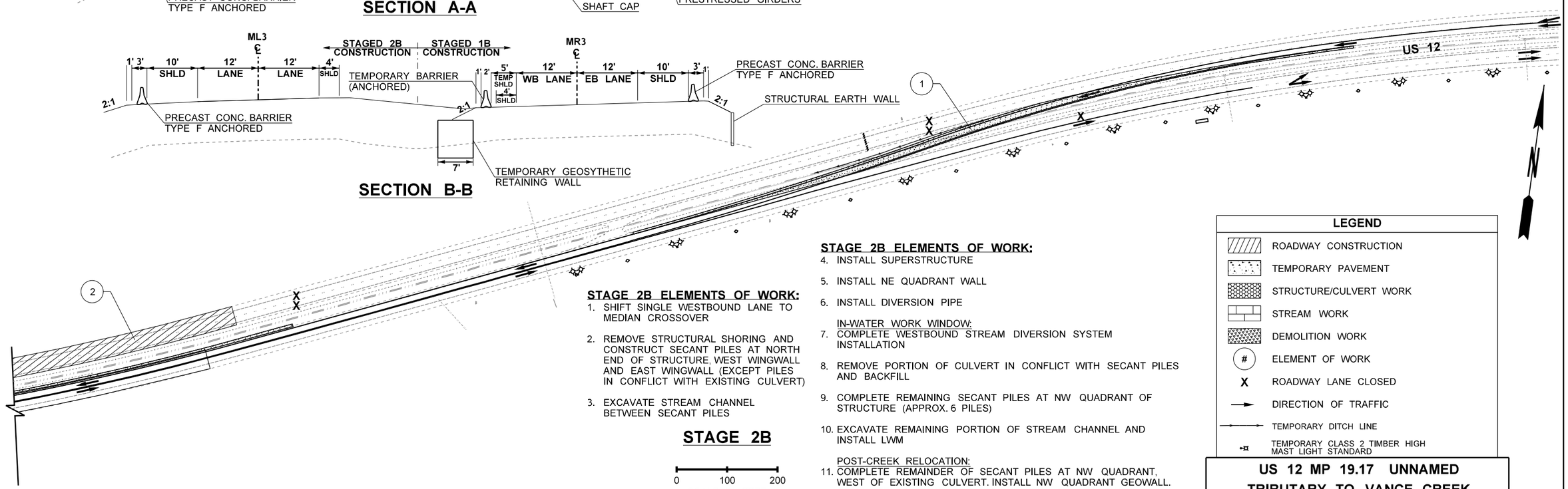
1. SEE TEMPORARY CROSSOVER PLANS FOR TEMPORARY ALIGNMENTS, TEMPORARY DRAINAGE, CABLE BARRIER AND CROSSOVER DETAILS.
2. SEE TRAFFIC CONTROL PLANS FOR TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES.
3. SEE ROADWAY PLANS FOR TEMPORARY CROSS-SECTIONS AND TEMPORARY CROSSOVER PROFILES.
4. ALL WORK 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.





SECTION A-A

SECTION B-B



STAGE 2B ELEMENTS OF WORK:

1. SHIFT SINGLE WESTBOUND LANE TO MEDIAN CROSSOVER
2. REMOVE STRUCTURAL SHORING AND CONSTRUCT SECANT PILES AT NORTH END OF STRUCTURE, WEST WINGWALL AND EAST WINGWALL (EXCEPT PILES IN CONFLICT WITH EXISTING CULVERT)
3. EXCAVATE STREAM CHANNEL BETWEEN SECANT PILES

STAGE 2B ELEMENTS OF WORK:

4. INSTALL SUPERSTRUCTURE
5. INSTALL NE QUADRANT WALL
6. INSTALL DIVERSION PIPE

IN-WATER WORK WINDOW:

7. COMPLETE WESTBOUND STREAM DIVERSION SYSTEM INSTALLATION
8. REMOVE PORTION OF CULVERT IN CONFLICT WITH SECANT PILES AND BACKFILL
9. COMPLETE REMAINING SECANT PILES AT NW QUADRANT OF STRUCTURE (APPROX. 6 PILES)
10. EXCAVATE REMAINING PORTION OF STREAM CHANNEL AND INSTALL LWM

POST-CREEK RELOCATION:

11. COMPLETE REMAINDER OF SECANT PILES AT NW QUADRANT, WEST OF EXISTING CULVERT. INSTALL NW QUADRANT GEOWALL. COMPLETE ROADWAY EMBANKMENT, SEW AND ROADWAY

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	1:24:37 PM
DATE	12/13/2022
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
10	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.

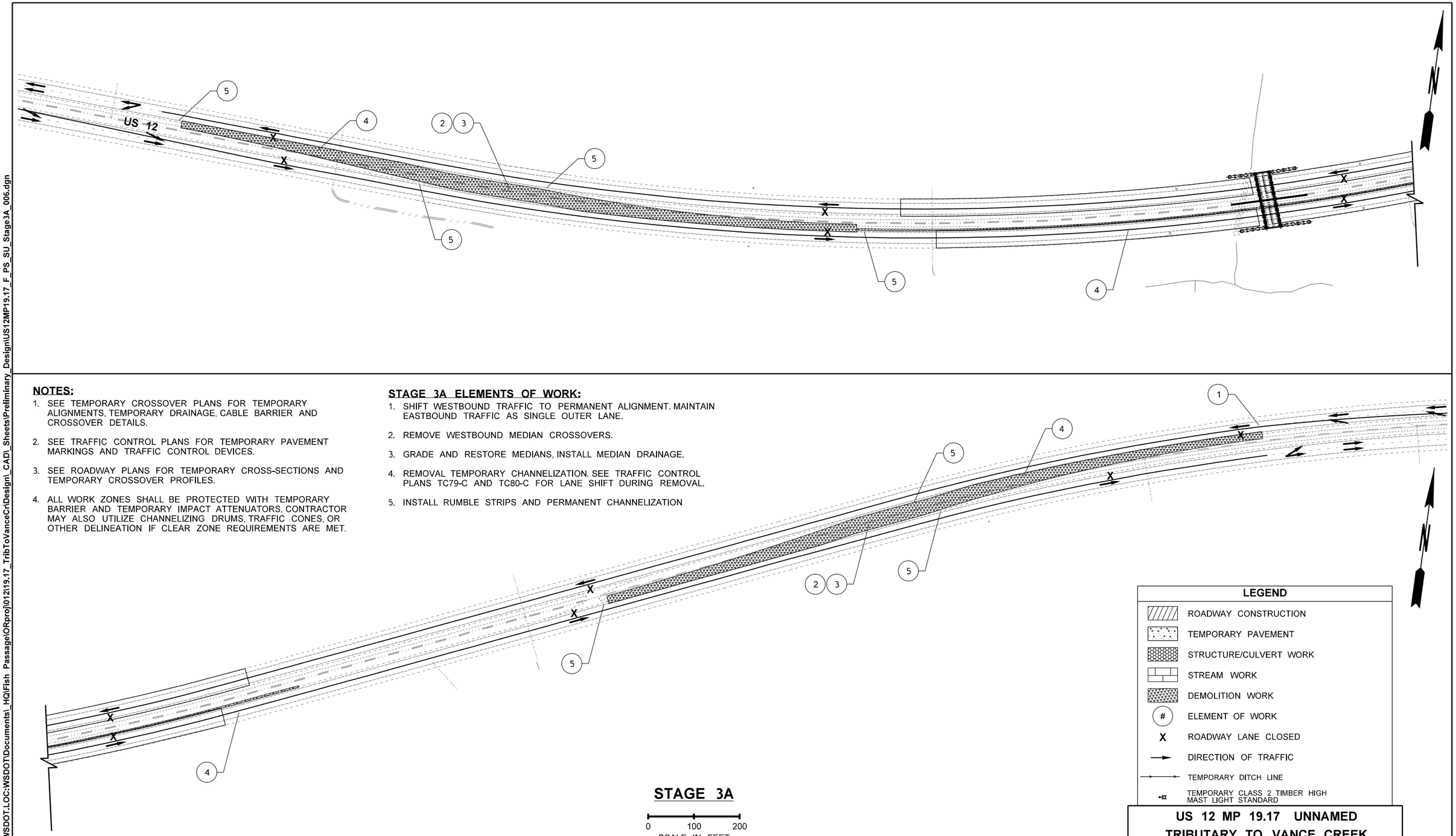
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO SU5-C

SHEET 602 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CADI_Sheets\Preliminary_Design\US12MP19.17_F_PS_SU_Stage2B_005.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 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. REMOVAL TEMPORARY CHANNELIZATION. SEE TRAFFIC CONTROL PLANS TC79-C AND TC80-C 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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

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.

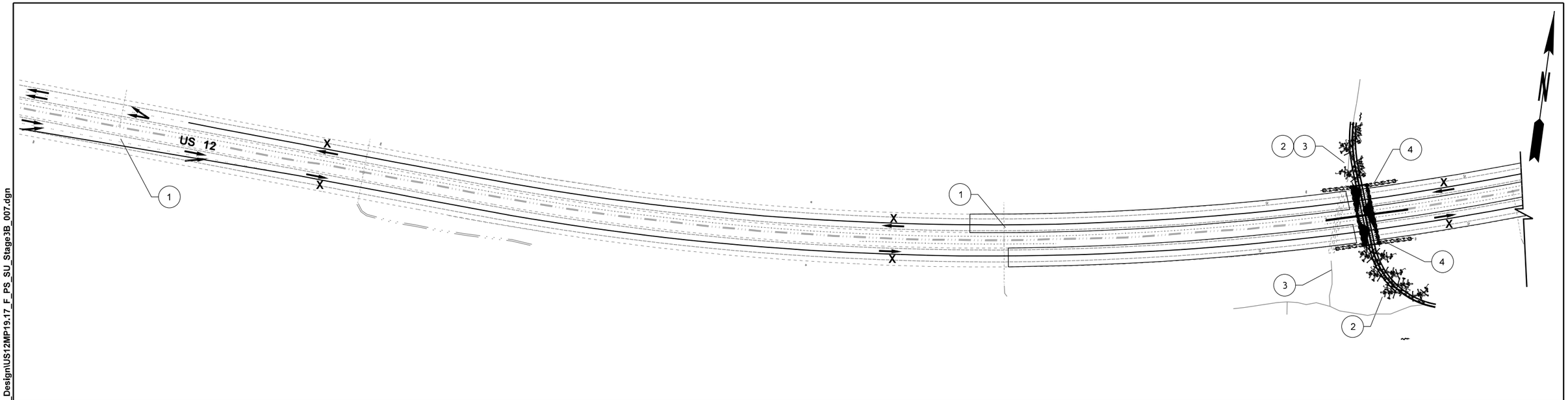
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STAGED CONSTRUCTION PLAN

PLAN REF NO
SU6-C

SHEET 603 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CADI_Sheets\Preliminary_Design\US12MP19.17_F_PS_SU_Stage3A_006.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.
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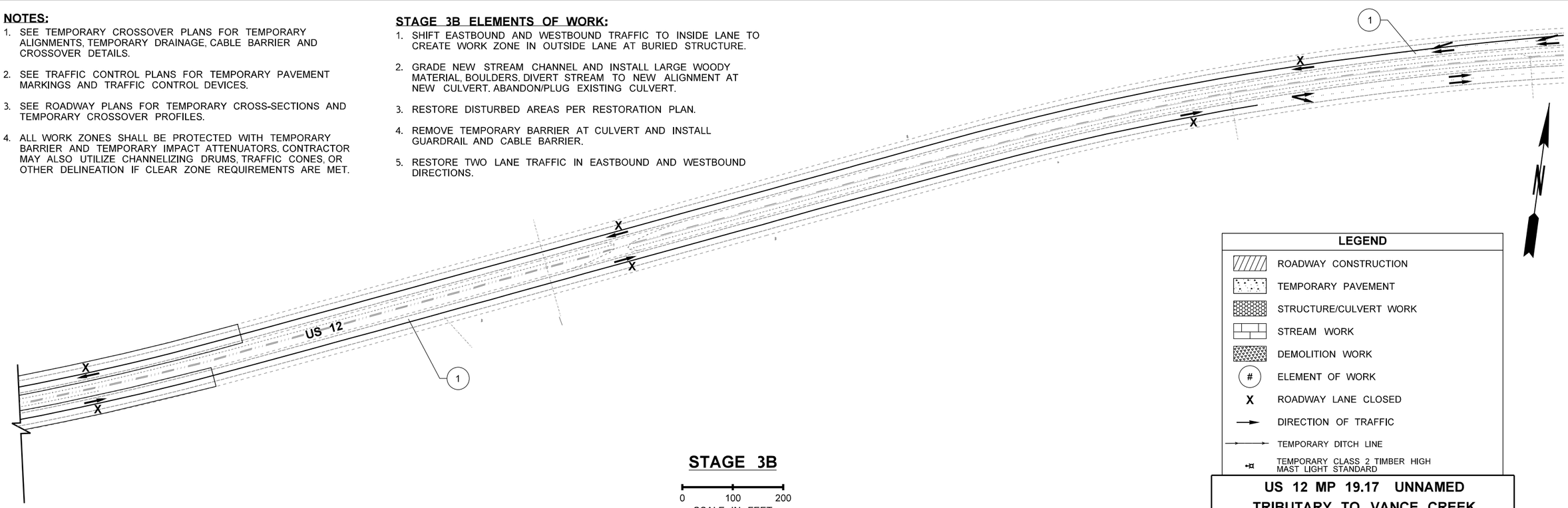
STAGE 3B ELEMENTS OF WORK:

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



STAGE 3B

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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 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 SU7-C

SHEET 604 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SU_Stage3B_007.dgn

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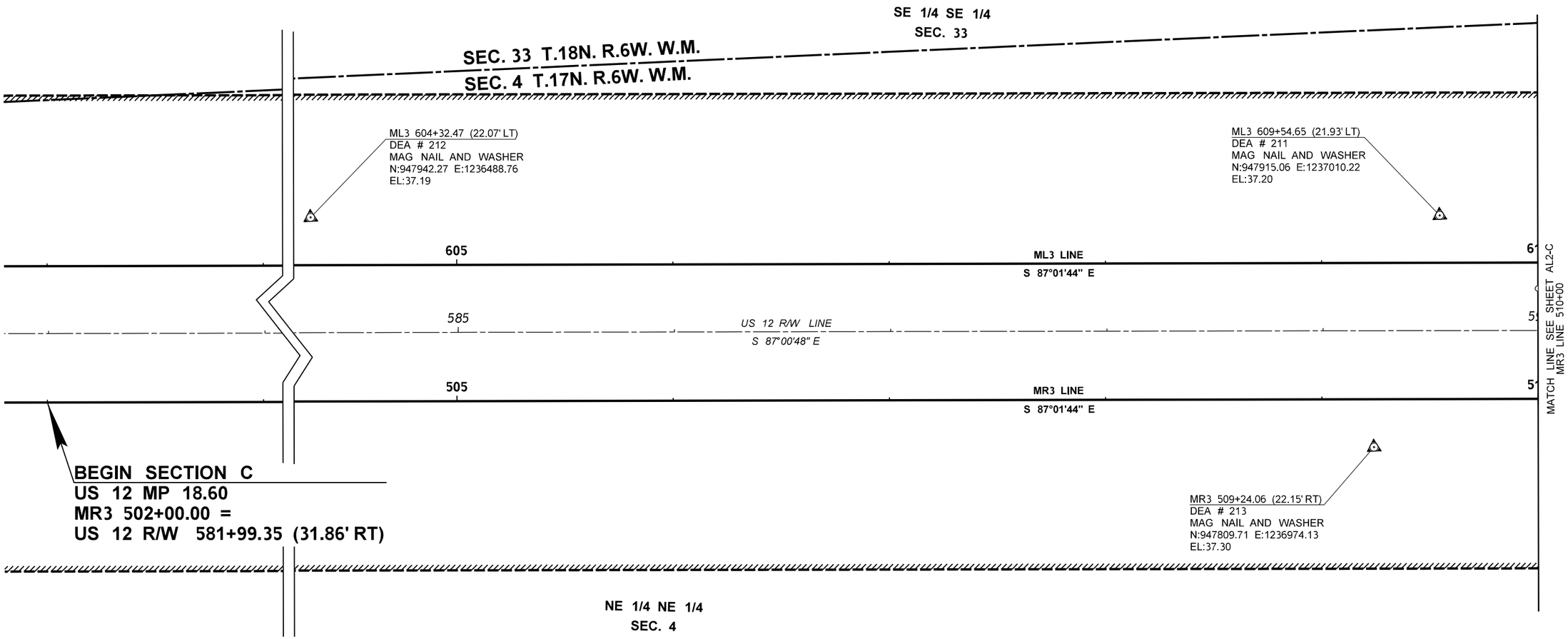

NOTES:

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_001.dgn
TIME	12:00:08 PM
DATE	12/15/2022
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.

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

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL1-C

SHEET 605 OF 1241 SHEETS

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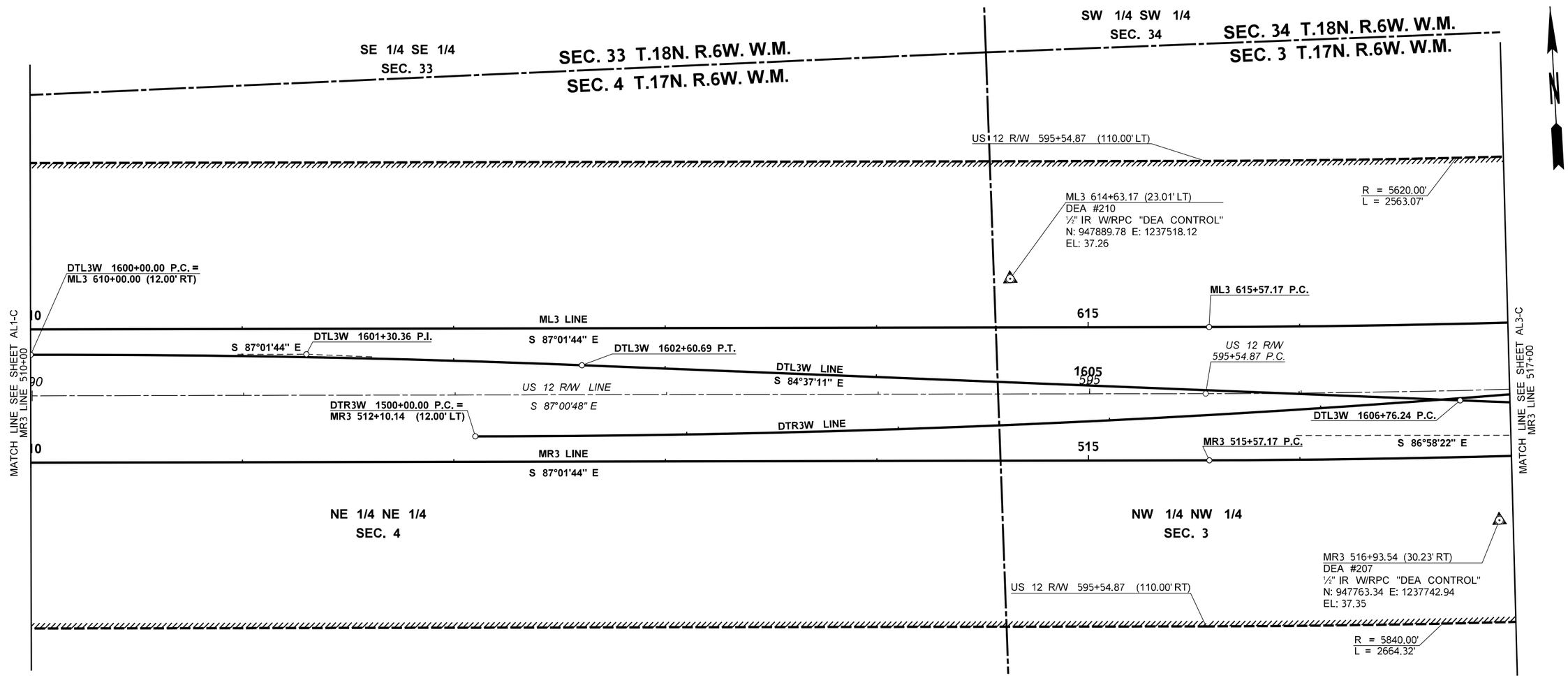

LEGEND

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

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.

0 25 50
SCALE IN FEET

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
DTL3W 1601+30.36	947872.07	1237183.95	2°24'33" RT	6200.00'	130.36'	260.69'	2%

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TIME	12:00:12 PM
DATE	12/15/2022
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
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 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL2-C

SHEET 606 OF 1241 SHEETS

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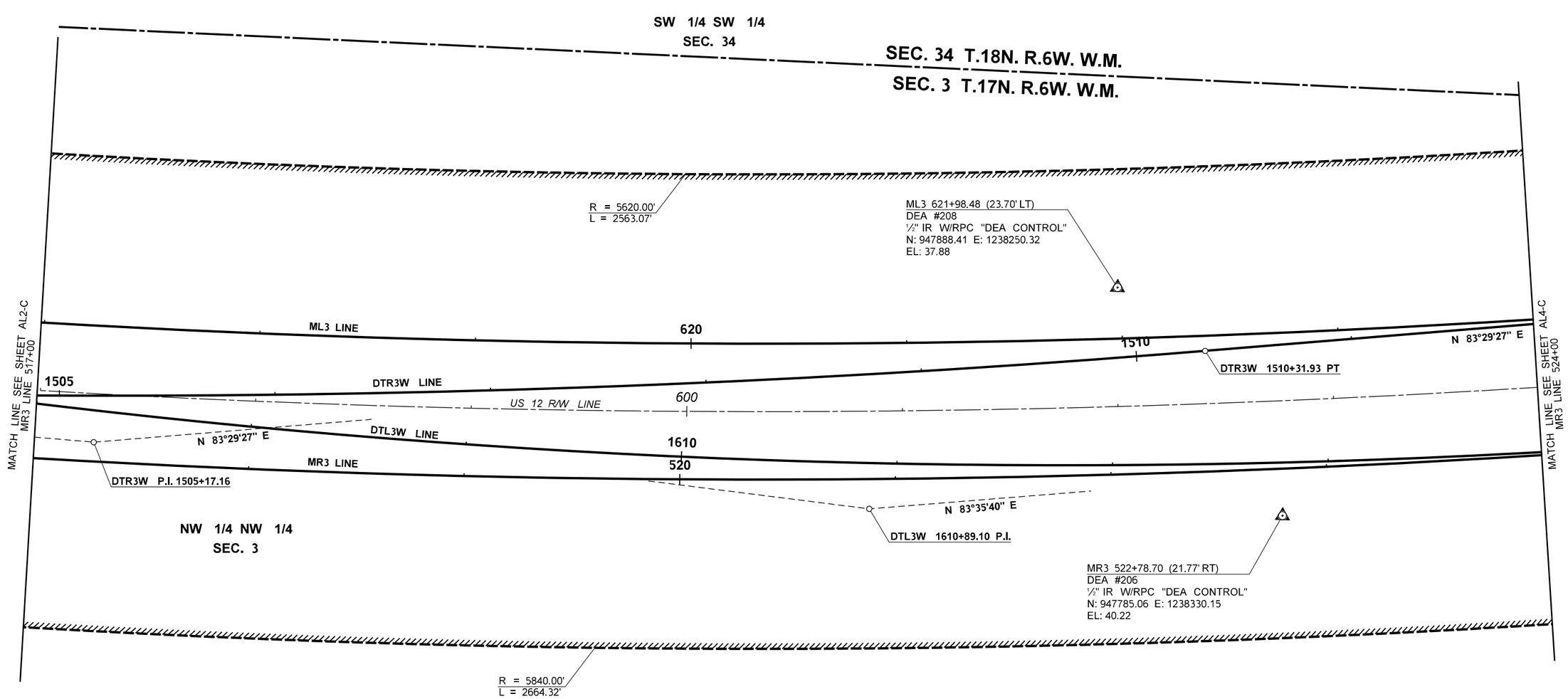

LEGEND

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

NOTES:

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0 25 50
SCALE IN FEET

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
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DTL3W 1610+89.10	947782.17	1238138.50	11°47'09" LT	4000.00'	412.86'	822.81'	3%

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_003.dgn
TIME	12:00:16 PM
DATE	12/15/2022
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 | 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 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

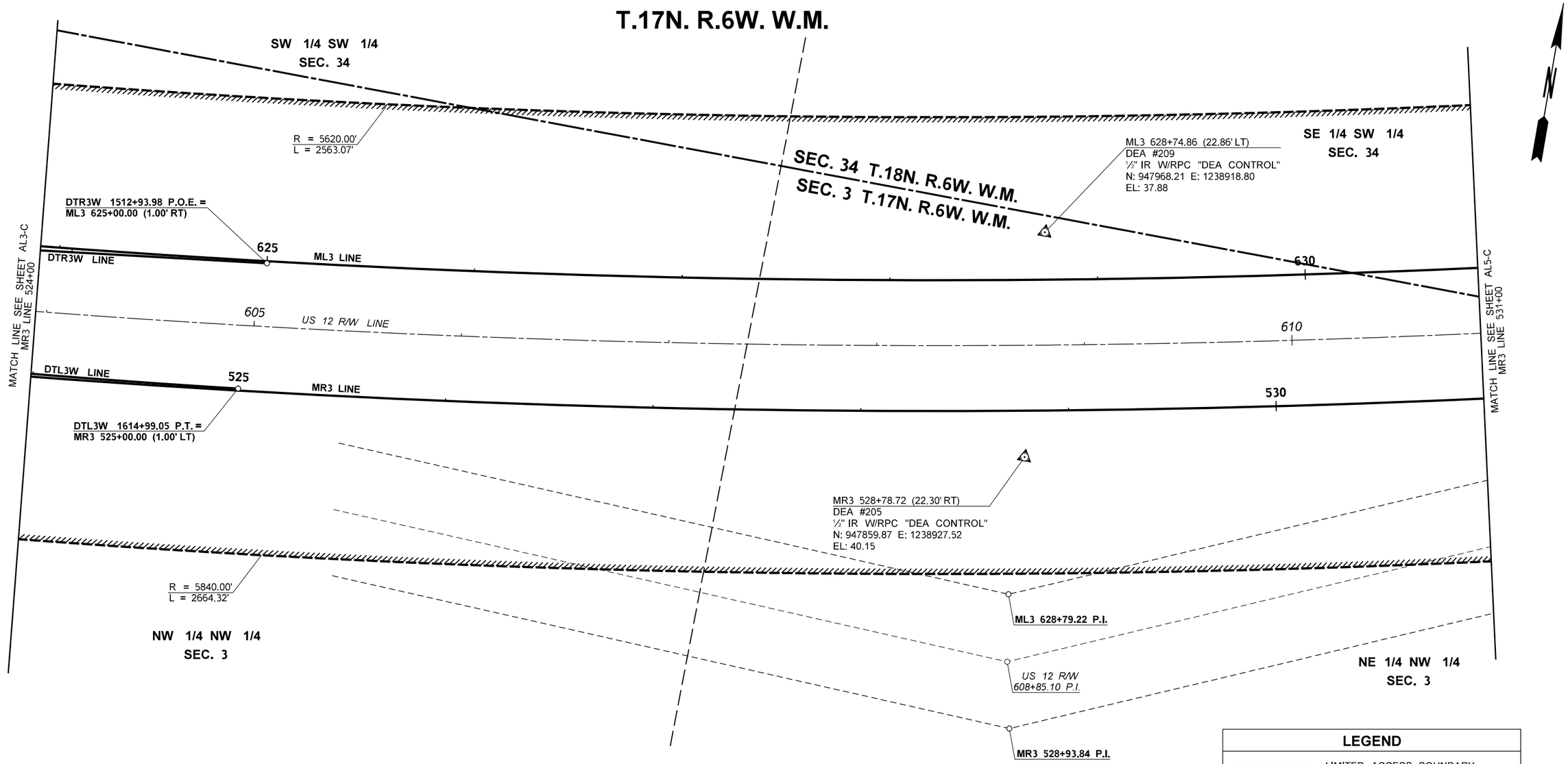
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL3-C

SHEET 607 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_003.dgn



CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
ML3 628+79.22	947793.40	1238931.08	26°07'30" LT	5698.08'	1322.05'	2598.14'	3%
US 12 R/W 608+85.10	947761.25	1238935.94	26°08'22" LT	5730.00'	1330.22'	2614.14'	N/A
MR3 528+93.84	947729.73	1238942.41	26°07'30" LT	5761.08'	1336.67'	2626.86'	3%

NOTES:

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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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_004.dgn
TIME	12:00:20 PM
DATE	12/15/2022
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

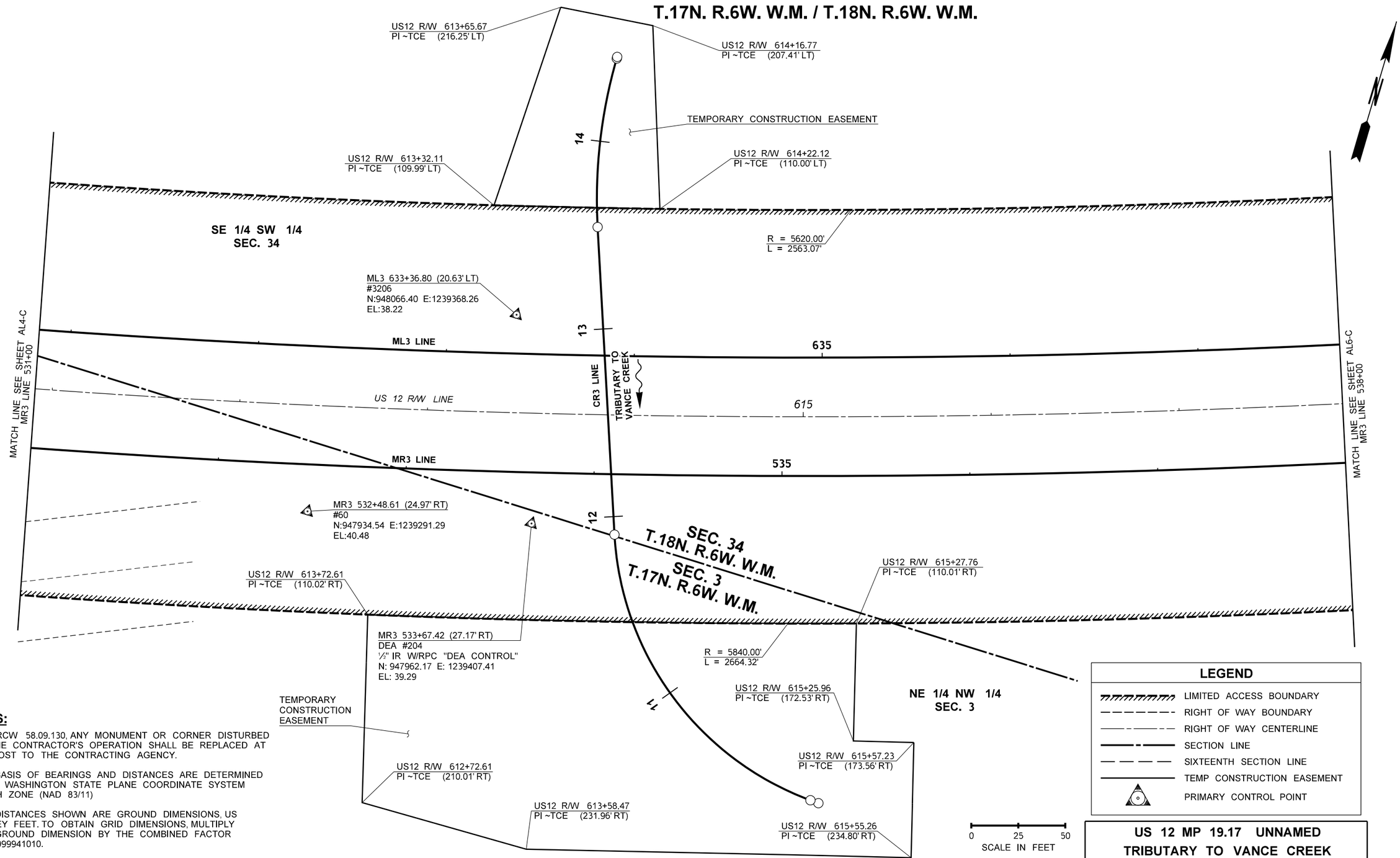
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL4-C

SHEET 608 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_004.dgn

T.17N. R.6W. W.M. / T.18N. R.6W. W.M.



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LEGEND

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_005.dgn
TIME	12:00:24 PM
DATE	12/15/2022
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		

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

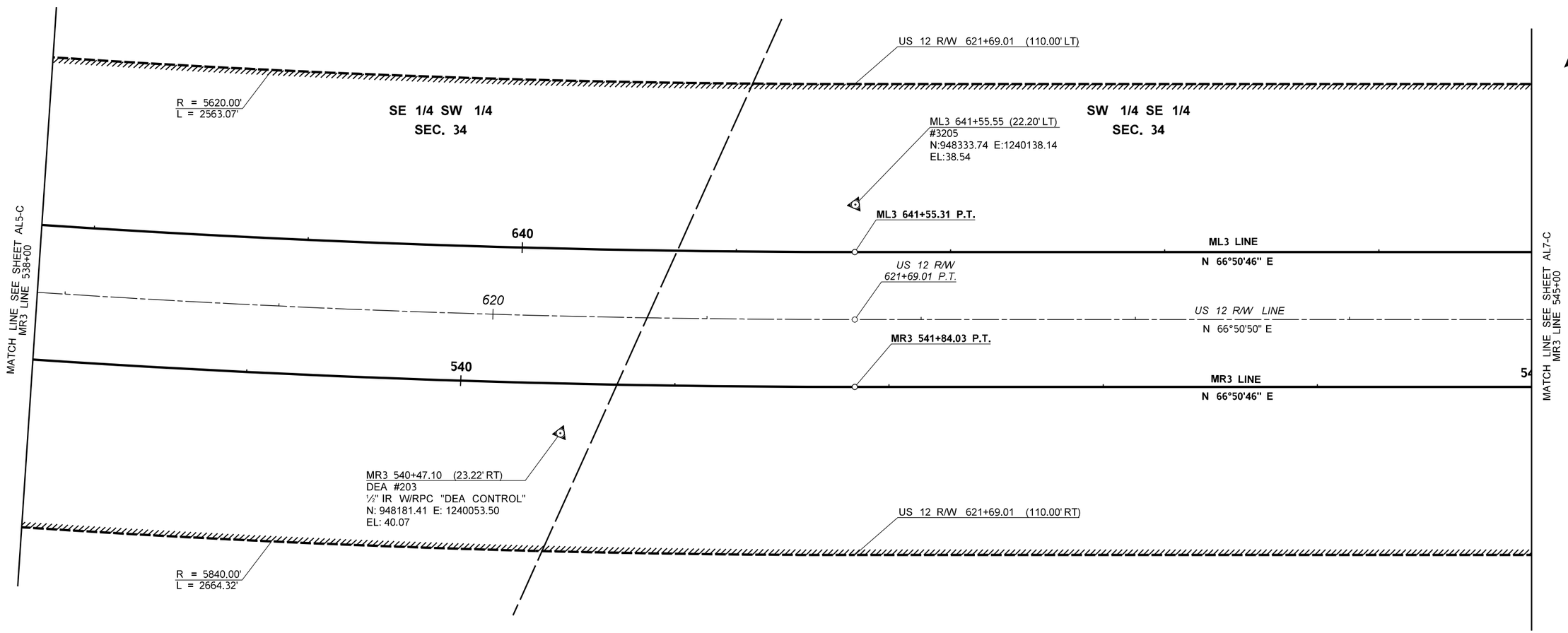
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL5-C

SHEET 609 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_005.dgn

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



LEGEND

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

NOTES:

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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_006.dgn
TIME	12:00:28 PM
DATE	12/15/2022
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.

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

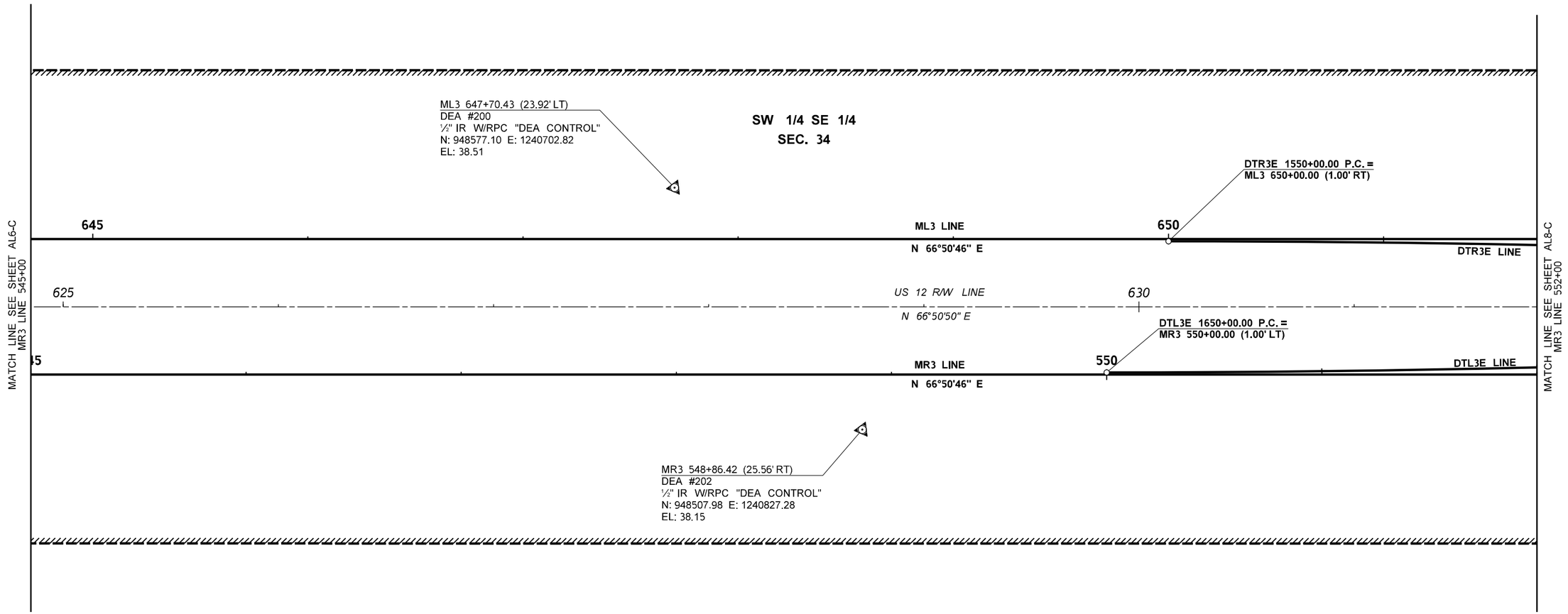
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL6-C

SHEET 610 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_006.dgn

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



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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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_007.dgn
TIME	12:00:31 PM
DATE	12/15/2022
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 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

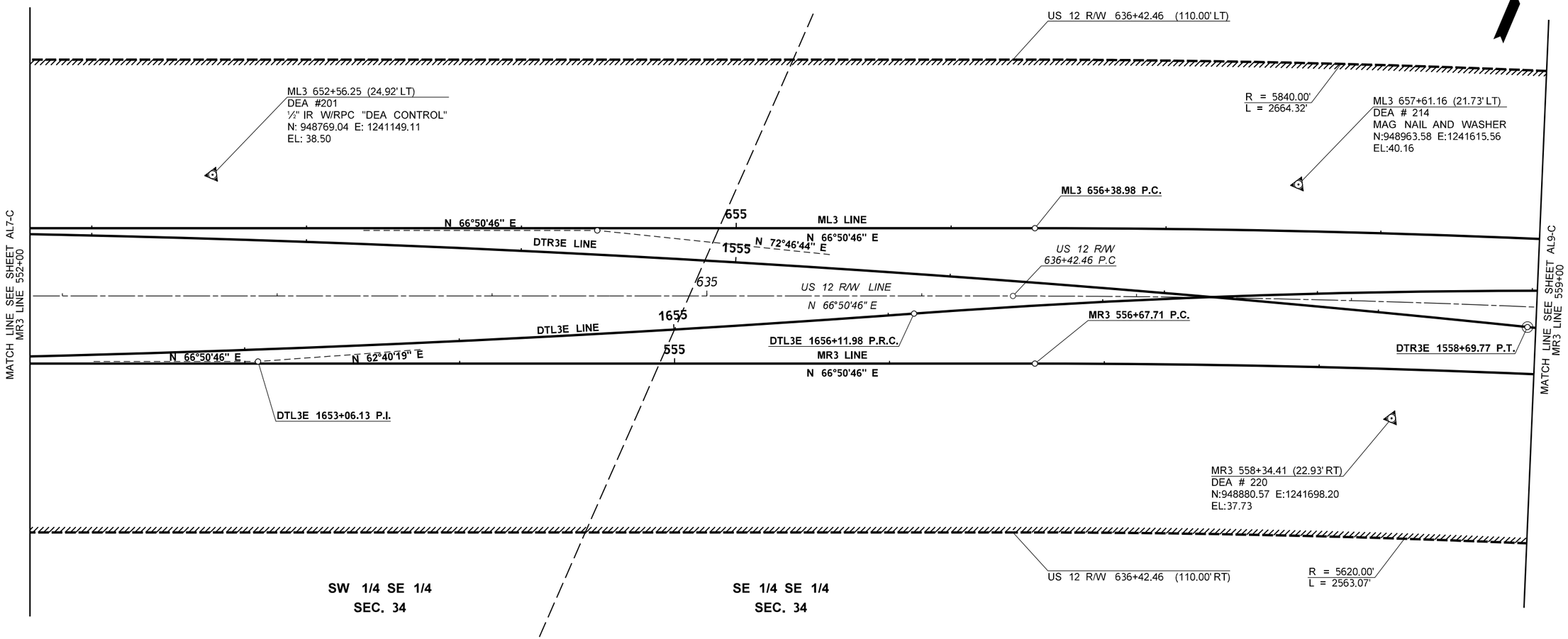
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO
AL7-C

SHEET 611 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_007.dgn

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



LEGEND

- LIMITED ACCESS BOUNDARY
- RIGHT OF WAY BOUNDARY
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0 25 50
SCALE IN FEET

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
DTR3E 1554+35.27	948815.60	1241323.91	5°55'58" RT	8400.00'	435.27'	869.77'	3%
DTL3E 1653+06.13	948697.44	1241202.73	4°10'27" LT	8400.00'	306.13'	611.98'	2%

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_008.dgn
TIME	12:00:35 PM
DATE	12/15/2022
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 | 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

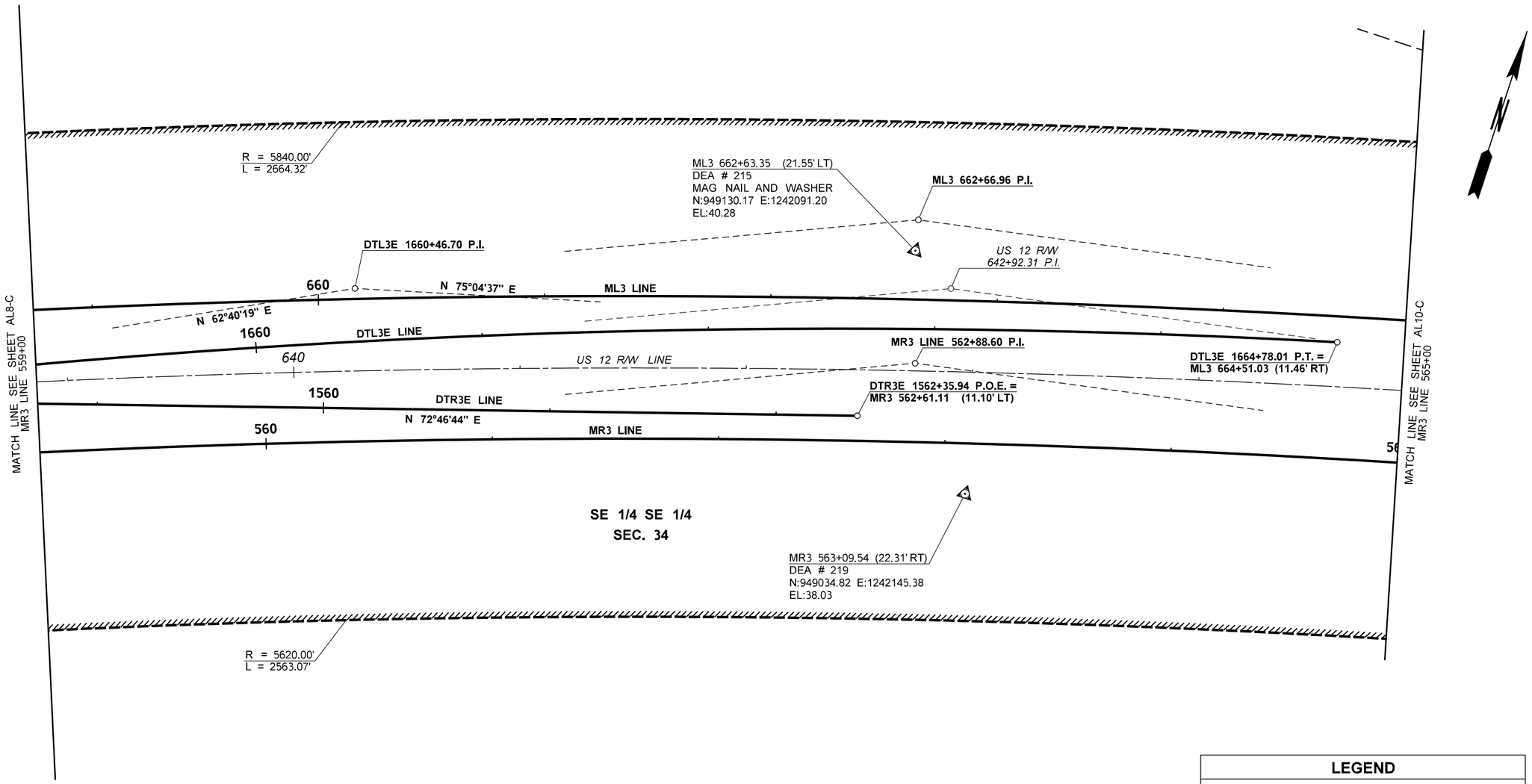
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL8-C

SHEET 612 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_008.dgn

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



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LEGEND

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- 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

CURVE DATA

P.I. STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH	S
ML3 662+66.96	949143.54	1242088.21	12°50'20" RT	5581.50'	627.98'	1250.70'	3%
DTL3E 1660+46.70	949037.55	1241860.89	12°24'18" RT	4000.00'	434.71'	866.03'	3%
MR3 562+88.60	949082.83	1242106.46	12°50'20" RT	5518.50'	620.89'	1236.58'	3%
US 12 R/W 642+92.31	949119.12	1242111.32	12°56'27" RT	5730.00'	649.85'	1294.17'	N/A

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_009.dgn
TIME	12:00:39 PM
DATE	12/15/2022
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

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 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

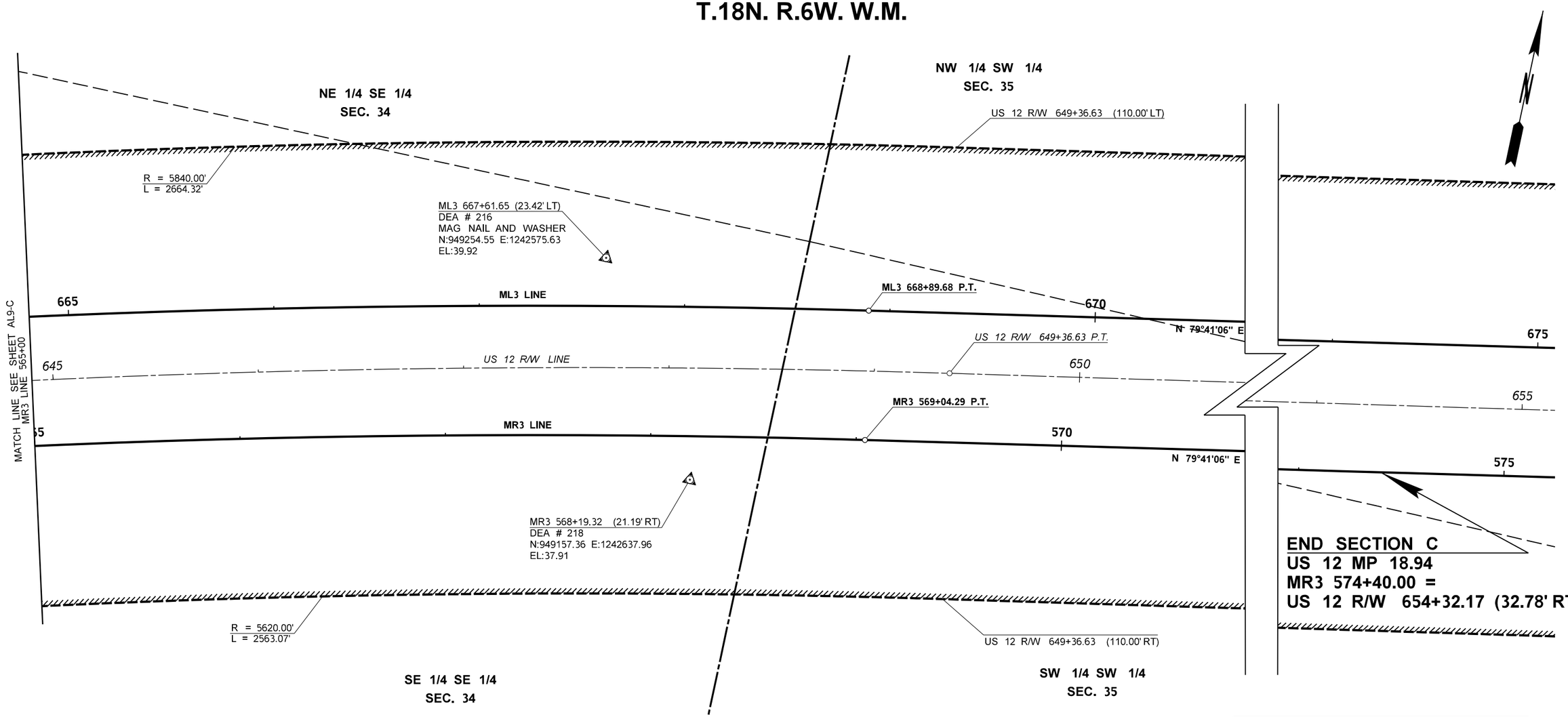
ALIGNMENT AND RIGHT OF WAY PLAN

PLAN REF NO AL9-C

SHEET 613 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_009.dgn

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



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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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_AL_010.dgn
TIME	12:00:43 PM
DATE	12/15/2022
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		

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
AL10-C

SHEET 614 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_AL_010.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	INLET PROTECTION		SILT FENCE	HIGH VISIBILITY SILT FENCE		REMOVING CABLE BARRIER	PROTECT DRAINAGE STRUCTURE	WELL DECOMMISSIONING		SEE GENERAL NOTES
			L.F.	EACH	L.F.		L.F.	EACH		L.F.	L.F.		L.F.	EACH	EACH		
SP1-C-1	MR3 508+44.81 (32.11' LT)							1									2, 3
SP1-C-2	MR3 509+60.42 (15.9' LT) TO 509+60.47 (39.4' LT)									30							5
SP1-C-3	MR3 502+00 (12 LT, 0 LT, 12 RT) TO 564+76 (12 LT, 1 RT, 13 RT)				18830												
SP1-C-4	ML3 609+52 (12 LT, 0 LT, 12 RT) TO 674+25 (15 LT, 3 LT, 9 RT)				19390												
SP2-C-1	ML3 610+71.17 (23.61' RT) TO 649+24.90 (23.0' RT)												3865				6
SP2-C-2	MR3 513+49.23 (31.22' LT)							1						1			2, 3
SP3-C-1	ML3 620+36.56 (22.05' LT) TO 633+87.26 (179.45' LT)										1460						4
SP3-C-2	MR3 523+71.16 (23.65' LT) TO 527+72.51 (23.18' LT)												400				6
SP4-C-1	MR3 527+07.65 (22.50' RT) TO 533+12.80 (73.94' RT)										670						4
SP4-C-2	MR3 526+66.40 (31.77' LT)							1						1			
SP5-C-1	ML3 633+44.42 (90.25' LT) TO 633+49.07 (97.51' LT)						100										
SP5-C-2	ML3 634+01.45 (174.91' LT) TO 634+00.98 (79.56' LT)						120										
SP5-C-3	ML3 634+00.52 (177.11' LT) TO 641+21.55 (22.40' LT)										880						4
SP5-C-4	ML3 633+38.39 (22.48' LT) TO 635+40.67 (21.88' LT)		210	2													
SP5-C-5	MR3 531+13.91 (23.10' RT) TO 533+78.98 (23.26' RT)		270	2													
SP5-C-6	MR3 533+22.12 (23.65' LT) TO 538+92.68 (23.49' LT)												568				6
SP5-C-7	MR3 535+42.80 (136.25' RT) TO 540+44.62 (22.73' RT)										800						4
SP5-C-8	ML3 636+88.73 (31.44' RT)							1						1			2, 3
SP5-C-9	MR3 533+05.64 (54.38' RT) TO 533+53.03 (54.59' RT)									70							1, 5
SP5-C-10	MR3 533+38.25 (75.86' RT) TO 534+14.11 (135.45' RT)										180						4
SP5-C-11	MR3 534+07.71 (194.57' RT) TO 535+35.74 (193.98' RT)										140						4
SP5-C-12	ML3 633+35.76 (46.78' LT) TO 634+06.52 (44.86' LT)									90							5
SP5-C-13	MR3 533+07.14 (24.19' LT)														1		
SP5-C-14	MR3 533+84.23 (15.52' RT)														1		
SP5-C-15	ML3 633+91.50 (15.47' LT)														1		
SP5-C-16	MR3 533+86.59 (78.31' RT) TO 534+57.72 (78.44' RT)						80										
SP6-C-1	ML3 641+84.38 (22.37' LT) TO 652+74.96 (22.01 RT)										1100						4
SP6-C-2	MR3 541+79.12 (22.67' RT) TO 554+59.27 (23.33' RT)										1290						4
	SHEET TOTAL		480	4	38220		300	4		190	6520		4833	3	3		

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-30.15-02, SILT FENCE
6. SEE SPECIAL PROVISIONS - REMOVING CABLE BARRIER

DESIGNED BY	K. EMERY					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 - SITE PREPARATION AND TESC

QTSP1-C

SHEET 615 OF 1241 SHEETS

QUANTITY TABULATION - SITE PREPARATION AND TESC

NOTE:
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CODE	LOCATION ↓ \ UNIT OF MEASURE →		REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	REMOVING PAINT LINE		REMOVING WIRE FENCE	INLET PROTECTION		SILT FENCE	HIGH VISIBILITY SILT FENCE		REMOVING CABLE BARRIER	PROTECT DRAINAGE STRUCTURE	WELL DECOMMISSIONING		SEE GENERAL NOTES
SP7-C-1	ML3 647+86.15 (31.62' RT)							1						1			2, 3
SP7-C-2	MR3 549+86.38 (22.88' LT) TO 562+03.77 (22.37' LT)												1220				6
SP9-C-1	MR3 562+11.14 (31.57' LT)							1						1			2, 3
SP9-C-2	ML3 660+54.39 (23.38' RT) TO 663+32.79 (23.14' RT)												278				6
	SHEET TOTAL							2					1498	2			
	SECTION C TOTAL		480	4	9280		210	6		190	6520		6331	5	3		

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-30.15-02, SILT FENCE

6. SEE SPECIAL PROVISIONS - REMOVING CABLE BARRIER

DESIGNED BY	K. EMERY					
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

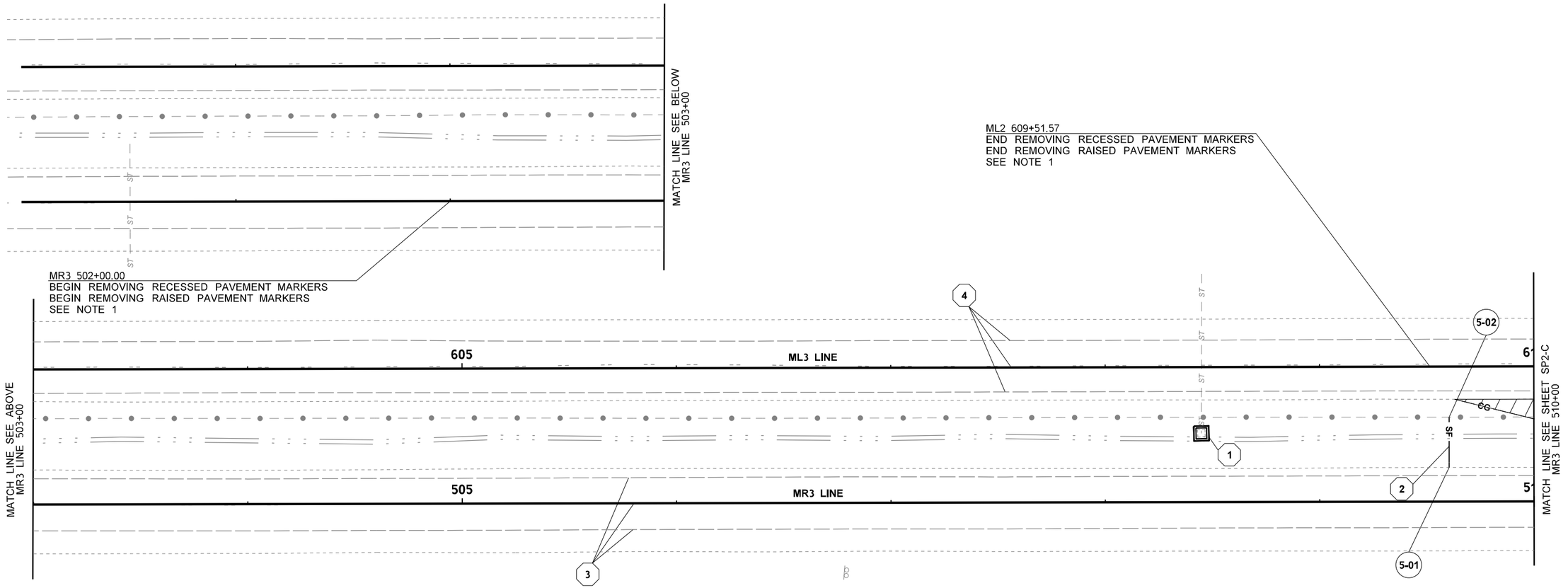
Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - SITE PREPARATION AND TESC

QTSP2-C

SHEET 616 OF 1241 SHEETS



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.

HIGH VISIBILITY SILT FENCE POINTS		
5-#	STATION	OFFSET
5-01	MR3 509+60.42	(15.94' LT.)
5-02	MR3 509+60.47	(39.44' LT.)

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.

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_SP_001.dgn
TIME	4:51:17 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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, 36146, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

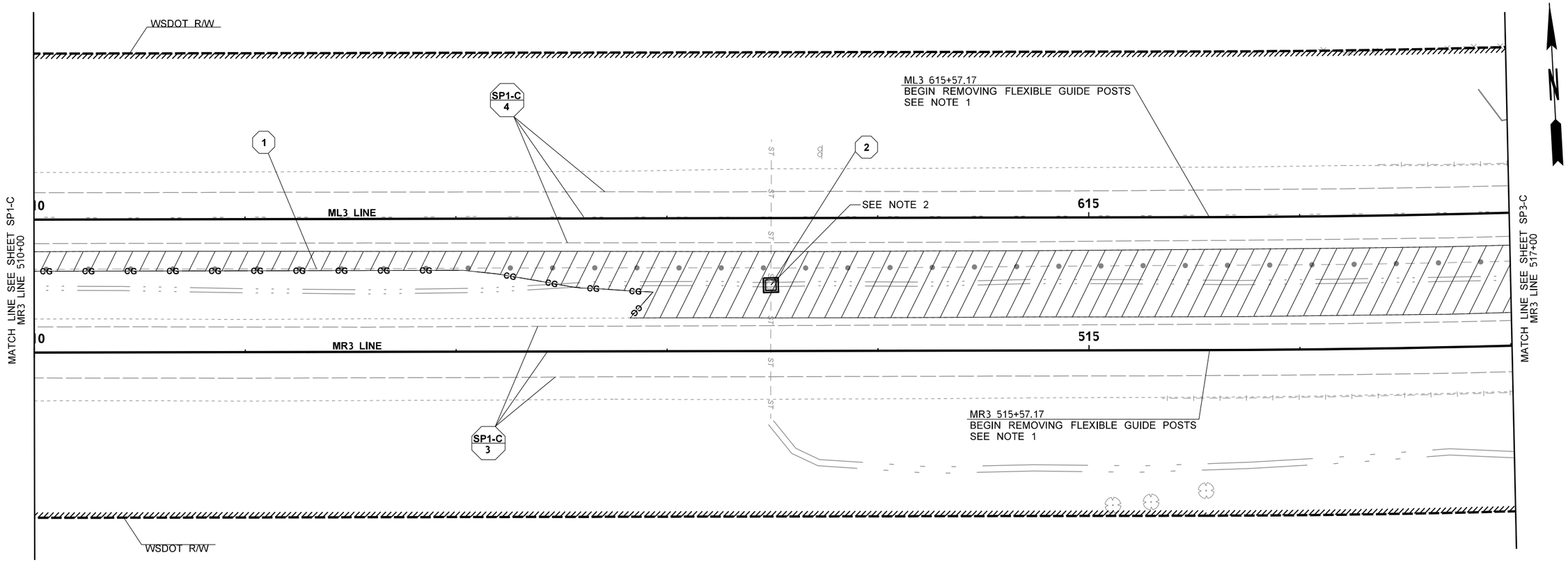
Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO SP1-C
SHEET 617 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_001.dgn



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.

TESC NOTES:

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2. MAINTAIN TESC BMPS UNTIL PERMANENT STABILIZATION IS IN PLACE.
3. CONSTRUCTION ENTRANCE LOCATIONS NOT SHOWN. FINAL LOCATION SHALL BE DETERMINED DURING CONSTRUCTION.

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:51:20 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

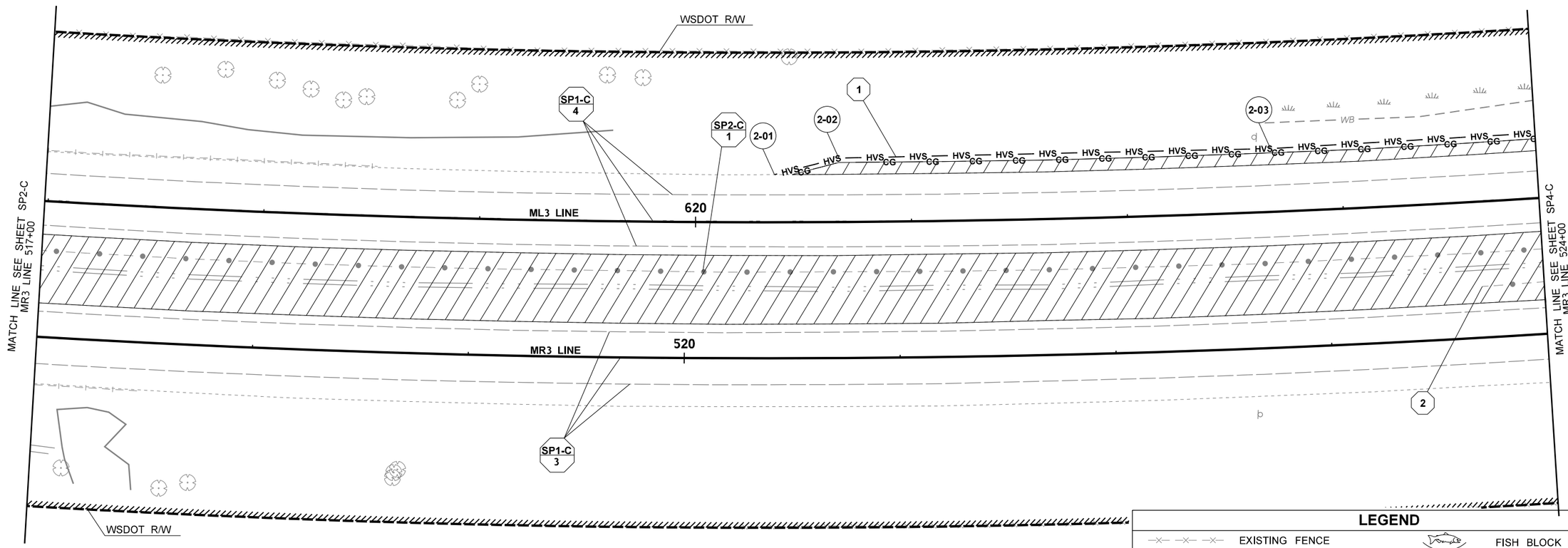
SITE PREPARATION AND TESC PLAN

PLAN REF NO SP2-C

SHEET 618 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_002.dgn

HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET
2-01	ML3 620+36.56	(22.05' LT.)
2-02	ML3 620+66.48	(29.59' LT.)
2-03	ML3 622+67.52	(29.31' LT.)



NOTES:

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LEGEND

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

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022						
PLOTTED BY	Fts						
DESIGNED BY	K. EMERY						
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.

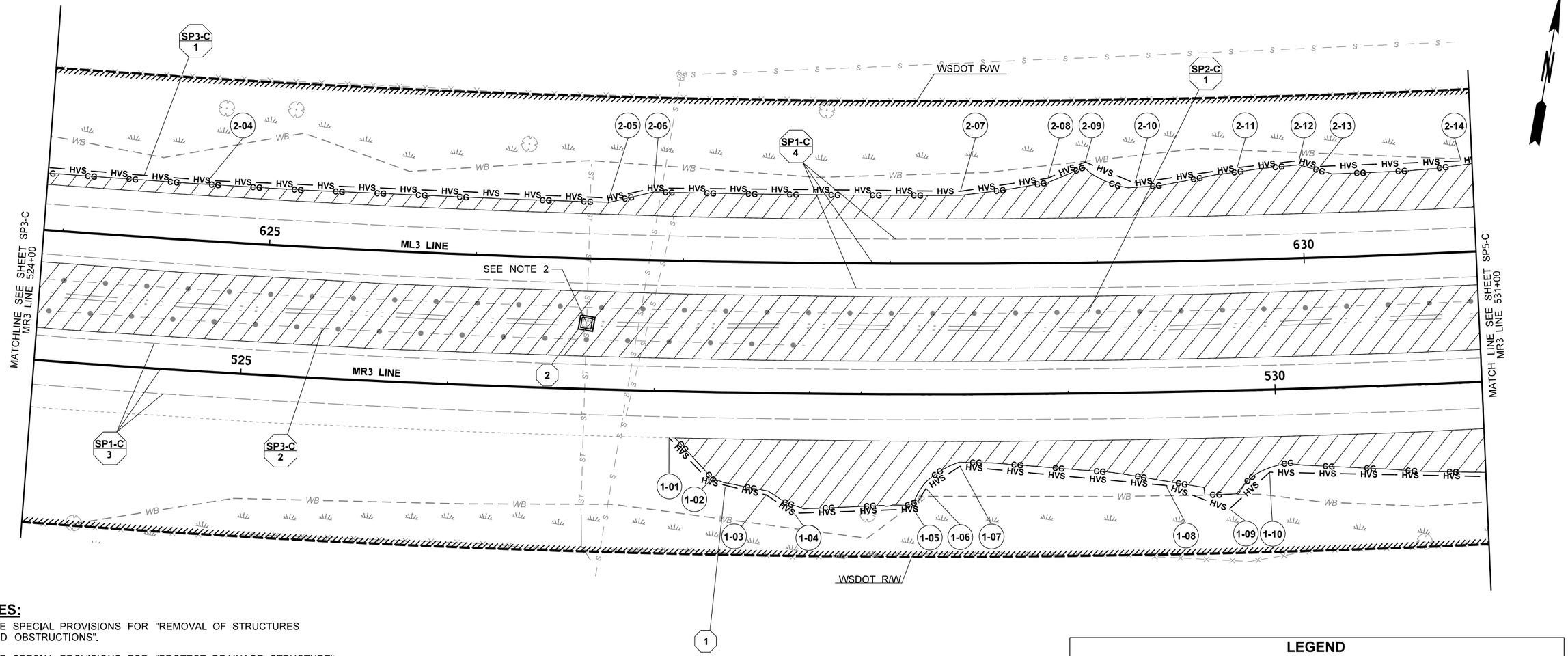
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP3-C

SHEET 619 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_003.dgn



NOTES:

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2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.

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HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-01	MR3 527+07.65	(22.50' RT.)
1-02	MR3 527+27.51	(43.24' RT.)
1-03	MR3 527+54.81	(49.22' RT.)
1-04	MR3 527+68.36	(57.95' RT.)
1-05	MR3 528+25.34	(55.52' RT.)
1-06	MR3 528+31.31	(45.55' RT.)
1-07	MR3 528+47.61	(34.85' RT.)
1-08	MR3 529+46.35	(45.12' RT.)
1-09	MR3 529+76.50	(57.15' RT.)
1-10	MR3 529+96.26	(39.90' RT.)

HIGH VISIBILITY SILT FENCE POINTS		
(2-#)	STATION	OFFSET
2-04	ML3 624+68.56	(29.26' LT.)
2-05	ML3 626+63.44	(29.50' LT.)
2-06	ML3 626+84.96	(34.97' LT.)
2-07	ML3 628+34.06	(34.99' LT.)
2-08	ML3 628+76.57	(41.08' LT.)
2-09	ML3 628+94.81	(48.63' LT.)
2-10	ML3 629+18.81	(38.10' LT.)
2-11	ML3 629+68.76	(44.51' LT.)
2-12	ML3 629+98.95	(47.08' LT.)
2-13	ML3 630+09.23	(44.00' LT.)
2-14	ML3 630+77.86	(44.00' 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:51:27 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
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

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP4-C

SHEET 620 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrk\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_004.dgn

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 SHEET SP11-C FOR HVS TABLES.

TESC NOTES:

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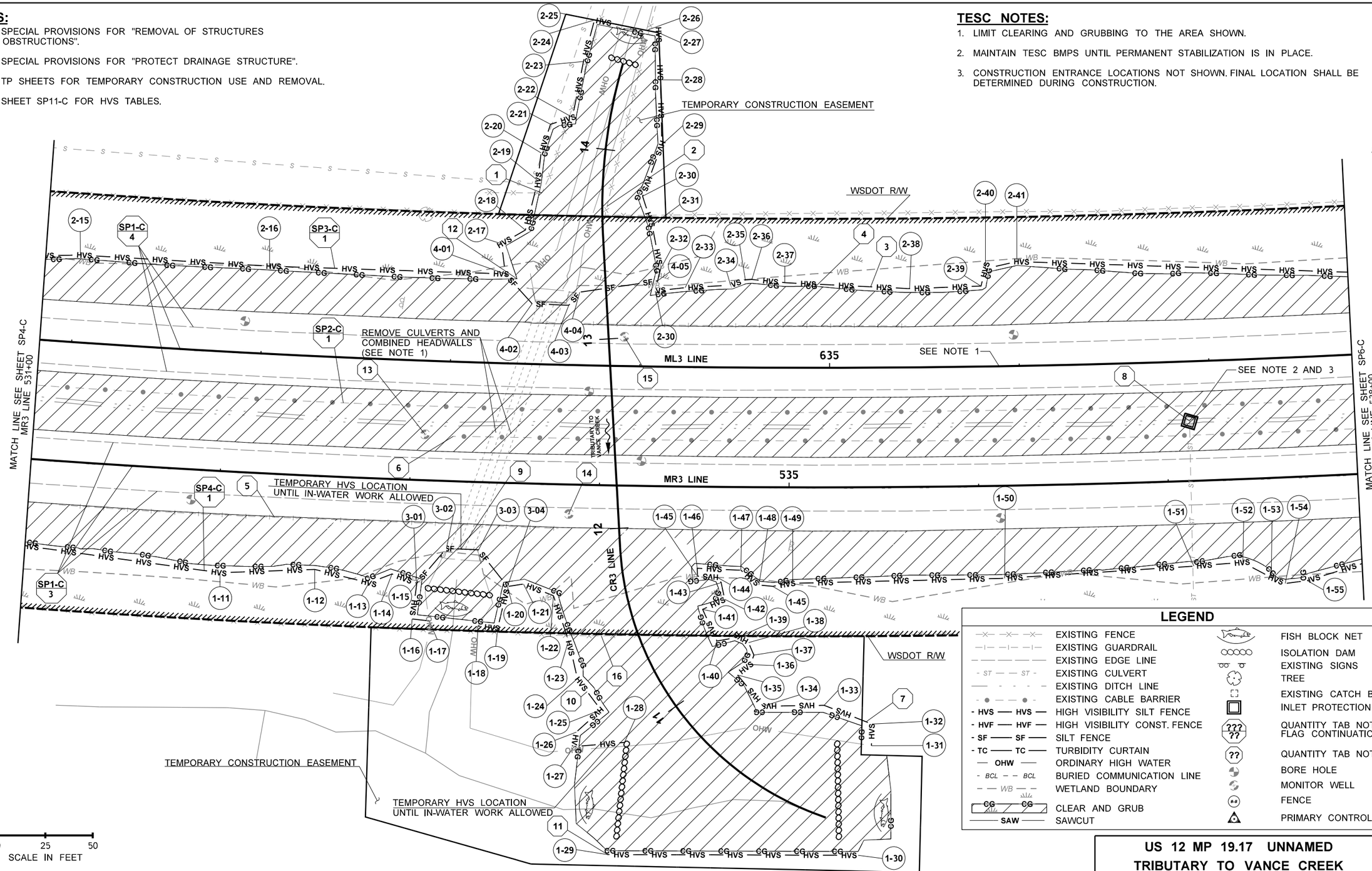

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—|— —|— —|—	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		

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO **SP5-C**

SHEET 621 OF 1241 SHEETS

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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.

MANUEL LOUIS FELIBERTI STATE OF WASHINGTON 36146 REGISTERED PROFESSIONAL ENGINEER

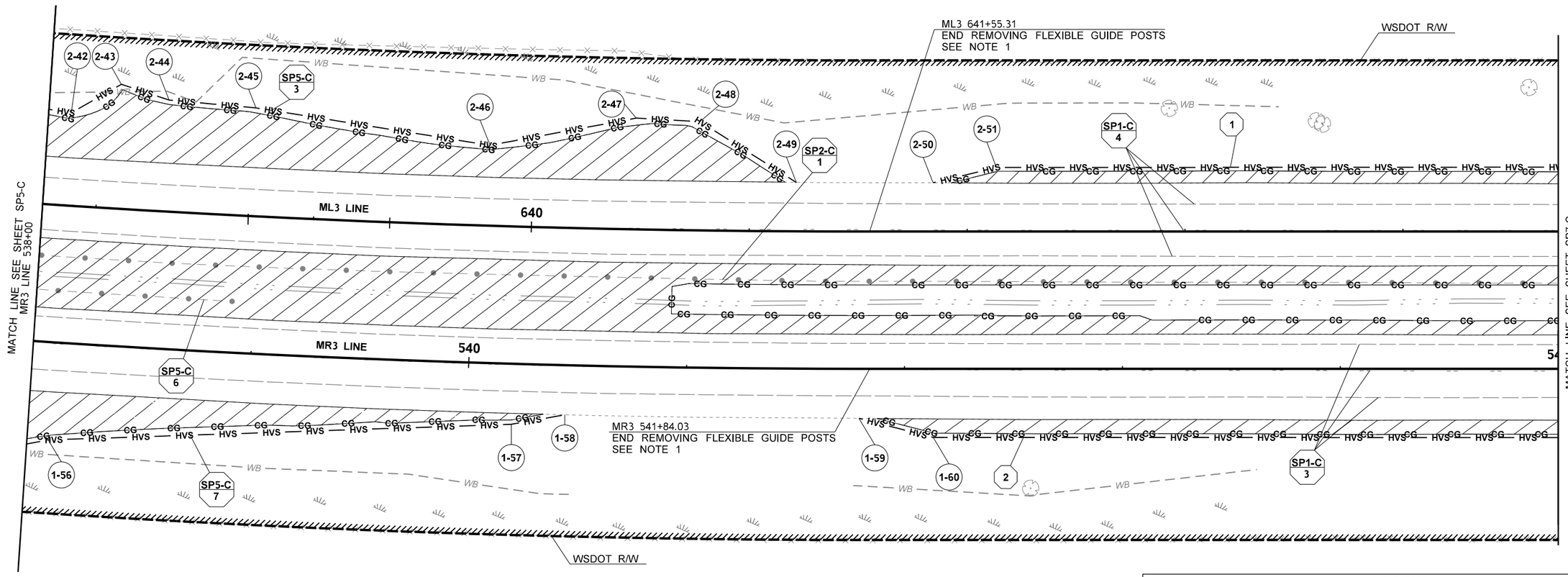
SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_005.dgn



NOTES:

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HIGH VISIBILITY SILT FENCE POINTS		
1-#	STATION	OFFSET
1-56	MR3 538+09.71	(44.85' RT.)
1-57	MR3 540+20.35	(27.77' RT.)
1-58	MR3 540+44.62	(22.73' RT.)
1-59	MR3 541+79.12	(22.67' RT.)
1-60	MR3 542+13.16	(31.43' RT.)

HIGH VISIBILITY SILT FENCE POINTS		
2-#	STATION	OFFSET
2-42	ML3 637+85.90	(42.65' LT.)
2-43	ML3 638+08.20	(57.11' LT.)
2-44	ML3 638+30.73	(51.17' LT.)
2-45	ML3 638+71.06	(49.70' LT.)
2-46	ML3 639+79.88	(36.91' LT.)
2-47	ML3 640+47.22	(51.01' LT.)
2-48	ML3 640+76.72	(49.91' LT.)
2-49	ML3 641+21.55	(22.40' LT.)
2-50	ML3 641+84.38	(22.37' LT.)
2-51	ML3 642+13.41	(29.38' 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:51:35 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

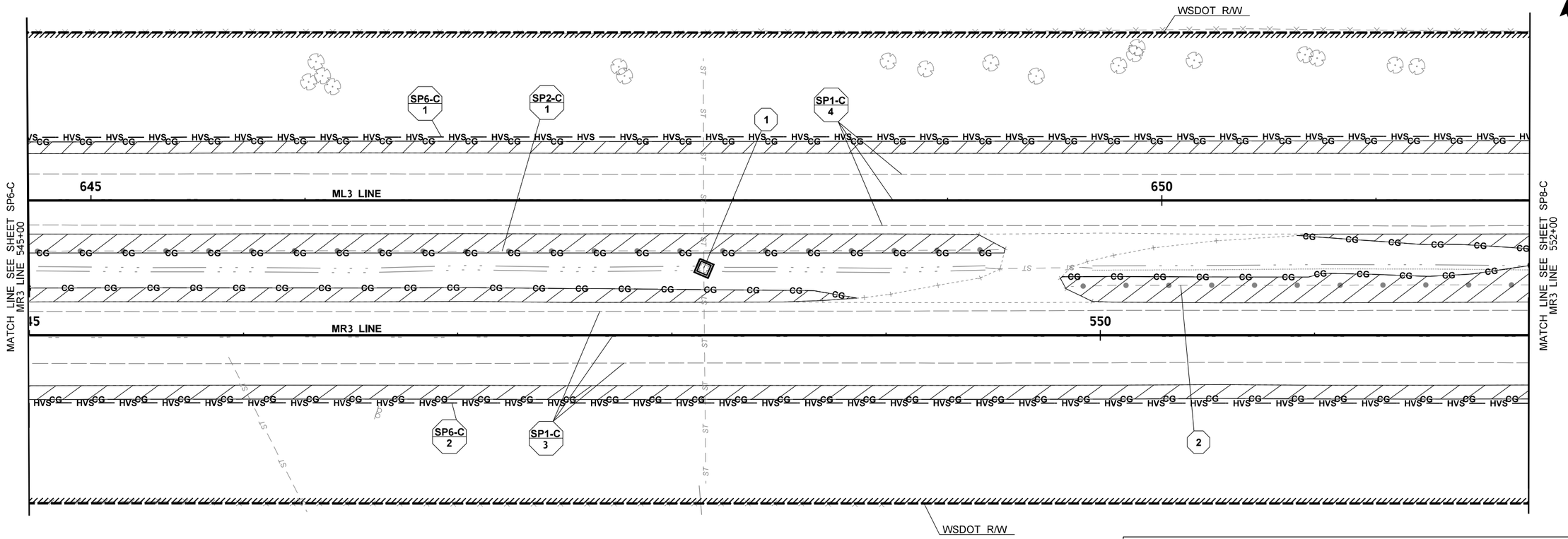
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO **SP6-C**

SHEET 622 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_006.dgn



NOTES:

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2. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
3. SEE TP SHEETS FOR TEMPORARY CONSTRUCTION USE AND REMOVAL.

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.

LEGEND

—X— —X— —X—	EXISTING FENCE		FISH BLOCK NET
—|— —|— —|—	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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:51:40 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

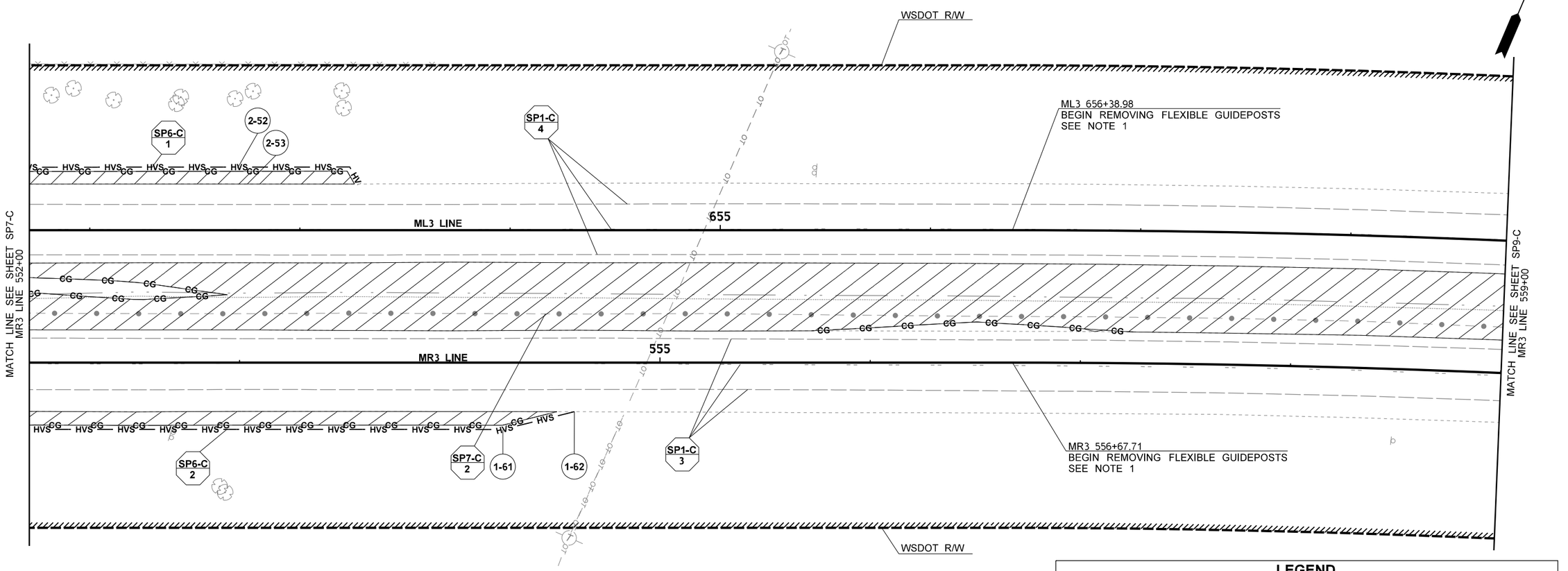
SITE PREPARATION AND TESC PLAN

PLAN REF NO SP7-C
SHEET 623 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_007.dgn

HIGH VISIBILITY SILT FENCE POINTS		
(2-#)	STATION	OFFSET
2-52	ML3 652+70.29	(29.55' LT.)
2-53	ML3 652+74.96	(22.00' LT.)

HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-61	MR3 554+25.25	(31.76' RT.)
1-62	MR3 554+59.27	(23.33' RT.)



NOTES:

1. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
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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		
- SF — SF —	SILT FENCE		
- TC — TC —	TURBIDITY CURTAIN	??	QUANTITY TAB NOTE FLAG
— OHW —	ORDINARY HIGH WATER		BORE HOLE
- BCL — BCL	BURIED COMMUNICATION LINE		MONITOR WELL
— WB —	WETLAND BOUNDARY		FENCE
CG	CLEAR AND GRUB		PRIMARY CONTROL POINT
— SAW —	SAWCUT		

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

P.E. STAMP BOX
DATE

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

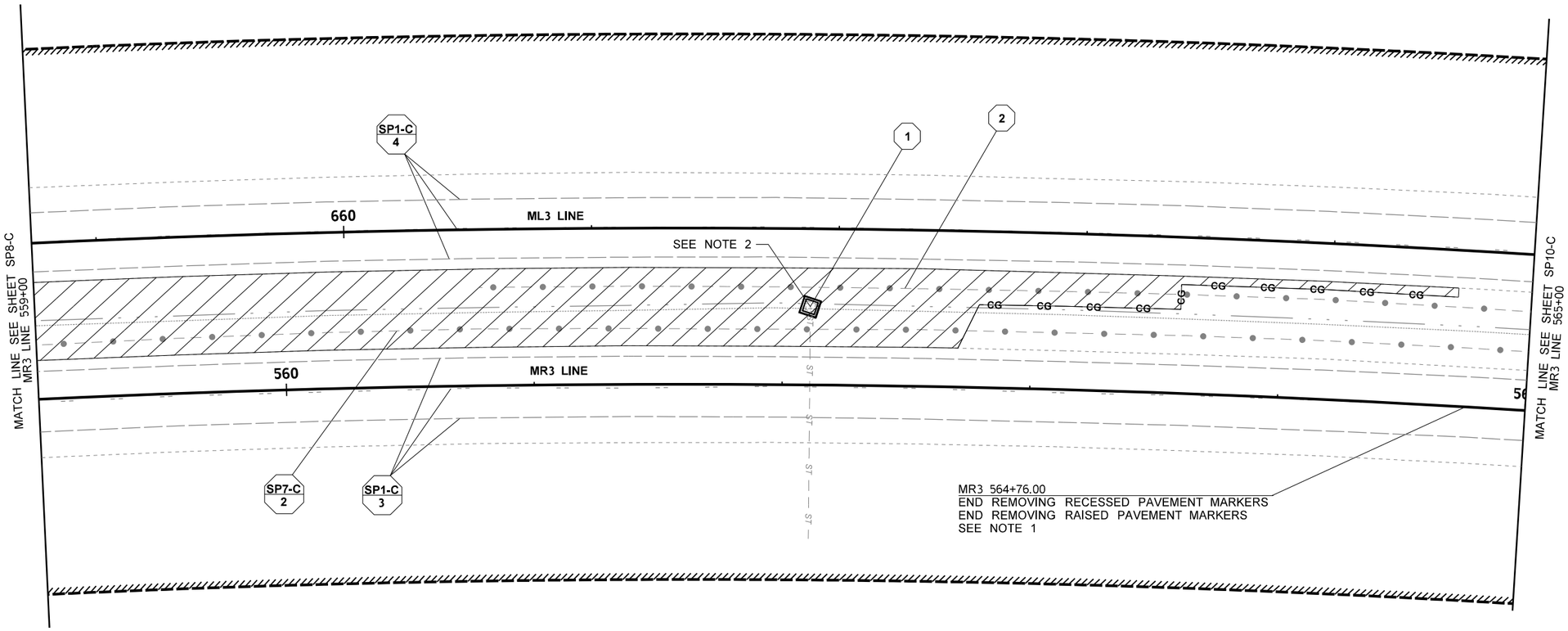
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP8-C

SHEET 624 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_008.dgn



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.

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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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:51:46 PM
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PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

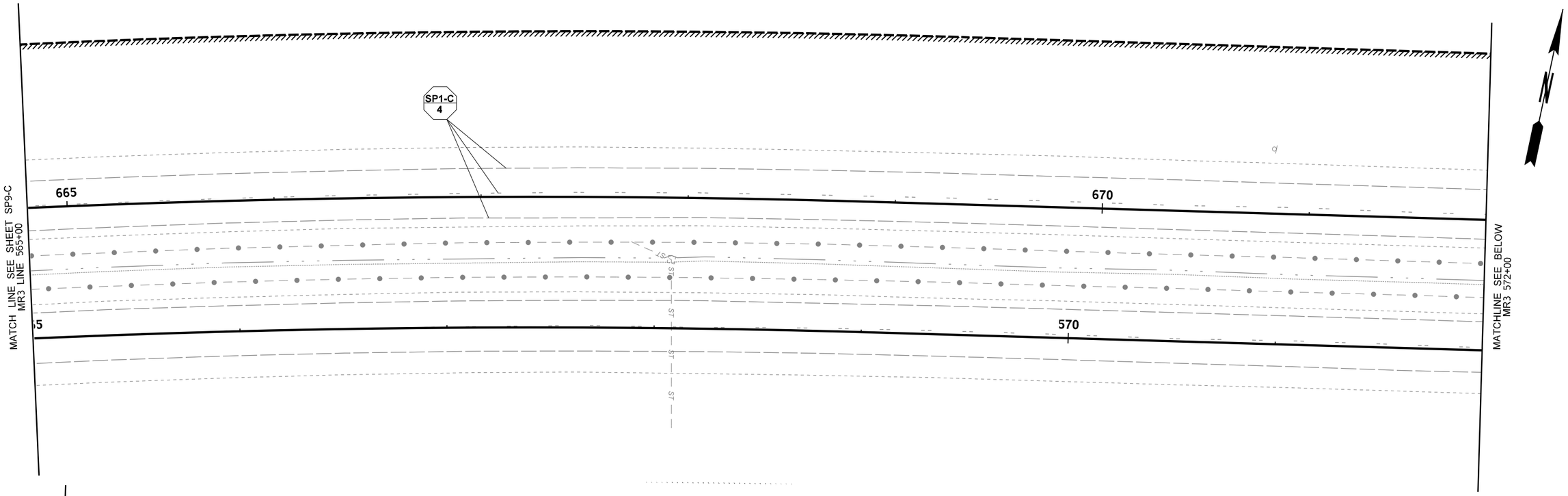
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

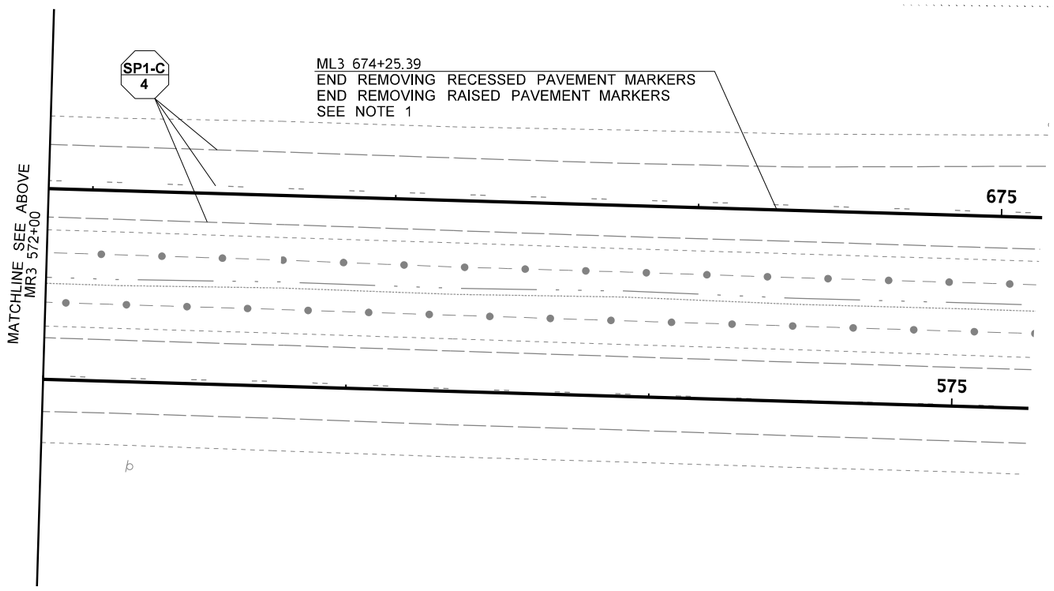
SITE PREPARATION AND TESC PLAN

PLAN REF NO SP9-C

SHEET 625 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrk\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_009.dgn





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

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

SITE PREPARATION AND TESC PLAN

PLAN REF NO
SP10-C

SHEET 626 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_010.dgn

SHEET 5 HVS TABLES

HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-11	MR3 532+02.65	(53.55' RT.)
1-12	MR3 532+52.03	(49.32' RT.)
1-13	MR3 532+80.69	(55.18' RT.)
1-14	MR3 532+92.50	(50.00' RT.)
1-15	MR3 533+05.64	(54.38' RT.)
1-16	MR3 533+03.83	(73.29' RT.)
1-17	MR3 533+12.80	(73.94' RT.)
1-18	MR3 533+38.25	(75.86' RT.)
1-19	MR3 533+48.60	(76.68' RT.)
1-20	MR3 533+53.03	(54.59' RT.)
1-21	MR3 533+61.35	(53.05' RT.)
1-22	MR3 533+77.13	(58.77' RT.)
1-23	MR3 533+85.60	(82.25' RT.)
1-24	MR3 533+90.63	(102.16' RT.)
1-25	MR3 534+03.03	(118.35' RT.)
1-26	MR3 533+90.68	(130.39' RT.)
1-27	MR3 533+89.62	(138.03' RT.)
1-28	MR3 534+15.62	(135.33' RT.)
1-29	MR3 534+07.71	(194.57' RT.)
1-30	MR3 535+35.74	(193.98' RT.)
1-31	MR3 535+42.80	(136.25' RT.)
1-32	MR3 535+43.08	(124.81' RT.)

HIGH VISIBILITY SILT FENCE POINTS		
(1-#)	STATION	OFFSET
1-33	MR3 535+18.42	(114.90' RT.)
1-34	MR3 534+86.94	(115.41' RT.)
1-35	MR3 534+73.58	(99.09' RT.)
1-36	MR3 534+80.14	(93.53' RT.)
1-37	MR3 534+81.99	(88.56' RT.)
1-38	MR3 534+79.19	(81.95' RT.)
1-39	MR3 534+62.72	(81.25' RT.)
1-40	MR3 534+55.24	(62.83' RT.)
1-41	MR3 534+66.55	(59.21' RT.)
1-42	MR3 534+64.66	(50.46' RT.)
1-43	MR3 534+62.61	(47.69' RT.)
1-44	MR3 534+52.25	(47.17' RT.)
1-45	MR3 534+62.01	(43.81' RT.)
1-46	MR3 534+74.92	(43.82' RT.)
1-47	MR3 534+84.37	(51.54' RT.)
1-48	MR3 534+91.54	(52.21' RT.)
1-49	MR3 535+02.11	(50.61' RT.)
1-50	MR3 536+12.87	(48.79' RT.)
1-51	MR3 537+11.99	(44.93' RT.)
1-52	MR3 537+37.68	(43.90' RT.)
1-53	MR3 537+52.22	(52.52' RT.)
1-54	MR3 537+59.36	(55.88' RT.)
1-55	MR3 537+70.93	(54.90' RT.)

SILT FENCE POINT TABLE		
(3-#)	STATION	OFFSET
3-01	MR3 533+05.64	(54.38' RT.)
3-02	MR3 533+20.51	(35.50' RT.)
3-03	MR3 533+37.36	(35.67' RT.)
3-04	MR3 533+53.03	(54.59' RT.)
4-01	ML3 633+27.60	(47.06' LT.)
4-02	ML3 633+42.25	(31.76' LT.)
4-03	ML3 633+61.70	(31.45' LT.)
4-04	ML3 633+67.38	(38.49' LT.)
4-05	ML3 634+06.52	(44.86' LT.)

HIGH VISIBILITY SILT FENCE POINTS		
(2-#)	STATION	OFFSET
2-15	ML3 631+01.37	(46.05' LT.)
2-16	ML3 632+02.18	(46.18' LT.)
4-01	ML3 633+27.60	(47.06' LT.)
2-17	ML3 633+25.07	(62.94' LT.)
2-18	ML3 633+37.37	(69.44' LT.)
2-19	ML3 633+43.60	(96.68' LT.)
2-20	ML3 633+44.93	(111.33' LT.)
2-21	ML3 633+49.61	(126.60' LT.)
2-22	ML3 633+61.36	(130.50' LT.)
2-23	ML3 633+66.61	(160.06' LT.)
2-24	ML3 633+72.13	(182.07' LT.)
2-25	ML3 633+87.26	(179.45' LT.)
2-26	ML3 634+00.52	(177.11' LT.)
2-27	ML3 634+07.21	(175.92' LT.)
2-28	ML3 634+08.57	(151.16' LT.)
2-29	ML3 634+09.77	(117.01' LT.)
2-30	ML3 633+99.90	(89.67' LT.)
2-31	ML3 634+05.21	(74.40' LT.)
2-32	ML3 634+10.11	(51.66' LT.)
2-33	ML3 634+23.29	(41.80' LT.)
2-34	ML3 634+47.44	(43.36' LT.)
2-35	ML3 634+55.23	(46.18' LT.)
2-36	ML3 634+58.75	(46.47' LT.)
2-37	ML3 634+76.21	(44.83' LT.)
2-38	ML3 635+42.54	(41.51' LT.)
2-39	ML3 635+80.46	(42.44' LT.)
2-40	ML3 635+82.98	(51.53' LT.)
2-41	ML3 635+99.75	(54.99' LT.)

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SITE PREPARATION AND TESC PLAN

PLAN REF NO SP11-C

SHEET 627 OF 1241 SHEETS

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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 | 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

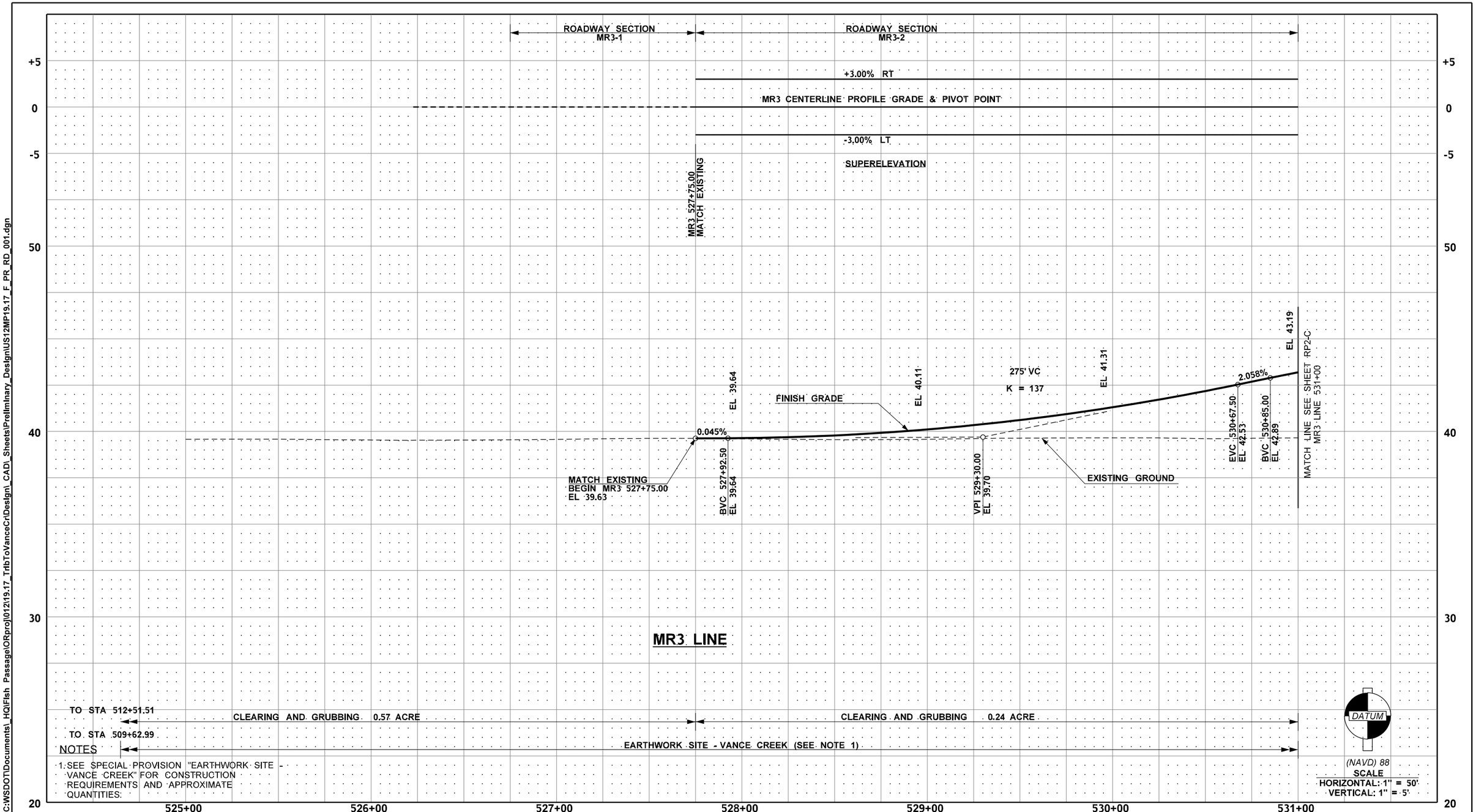
P.E. STAMP BOX

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\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_SP_011.dgn



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - VANCE CREEK" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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

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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 PROFILE

PLAN REF. NO. RP1-C

SHEET 628 OF 1241 SHEETS

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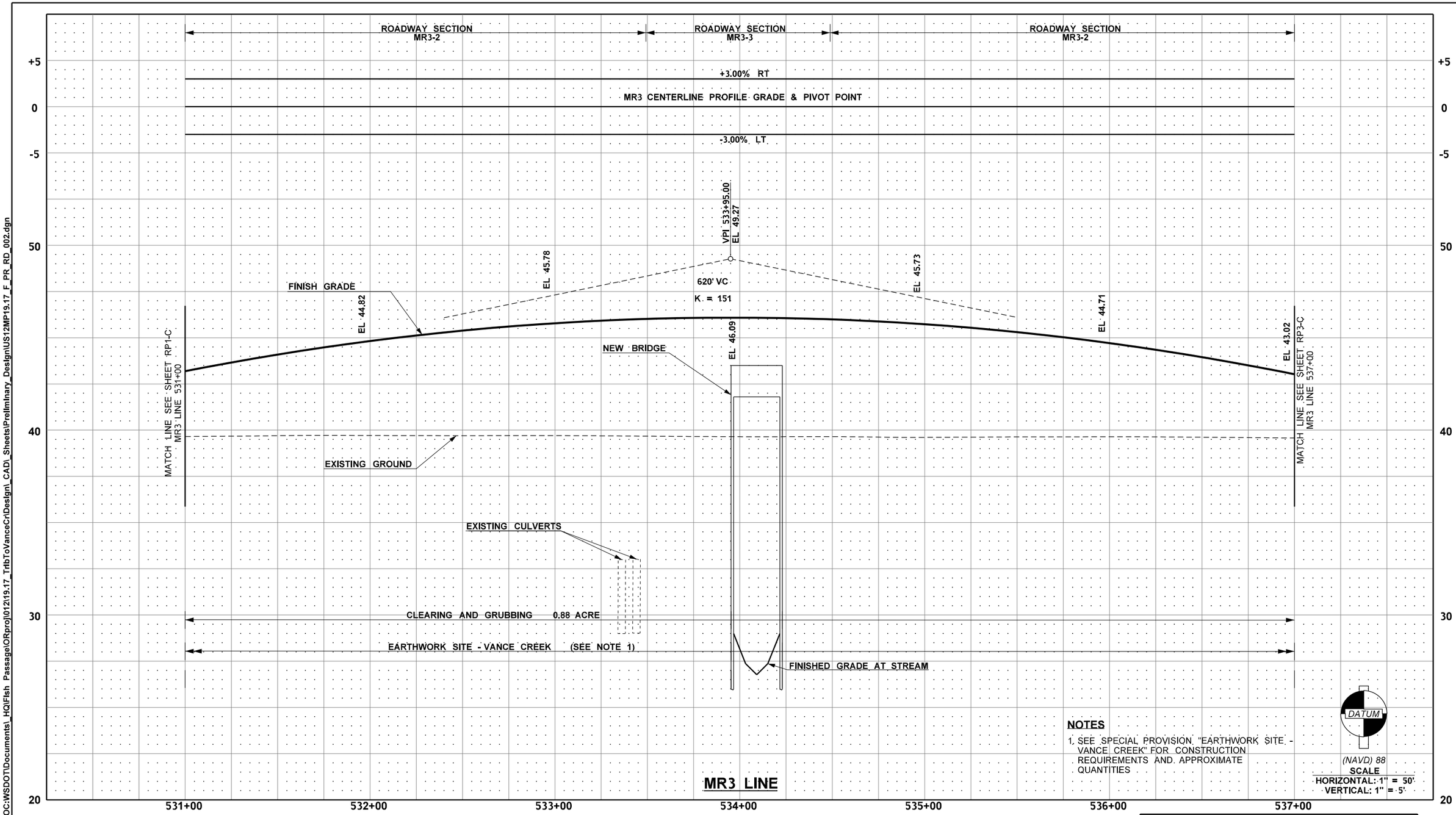

NOTES

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US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DESIGNED BY	K. EMERY
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		

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

ROADWAY PROFILE

PLAN REF. NO. RP2-C

SHEET 629 OF 1241 SHEETS

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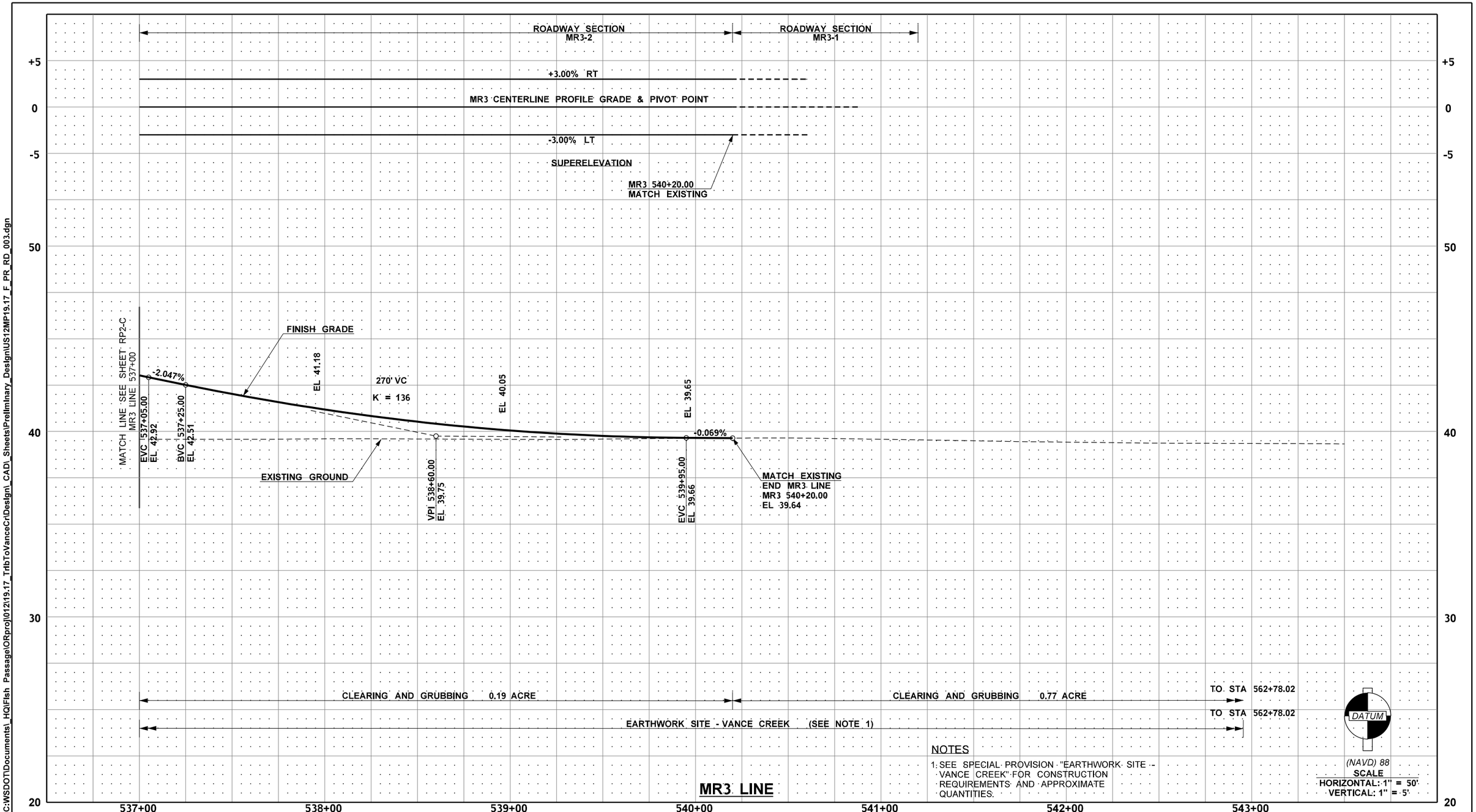

NOTES

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US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

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CONTRACT NO. XL6115

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SEE SHEET CT1

P.E. STAMP BOX | DATE

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

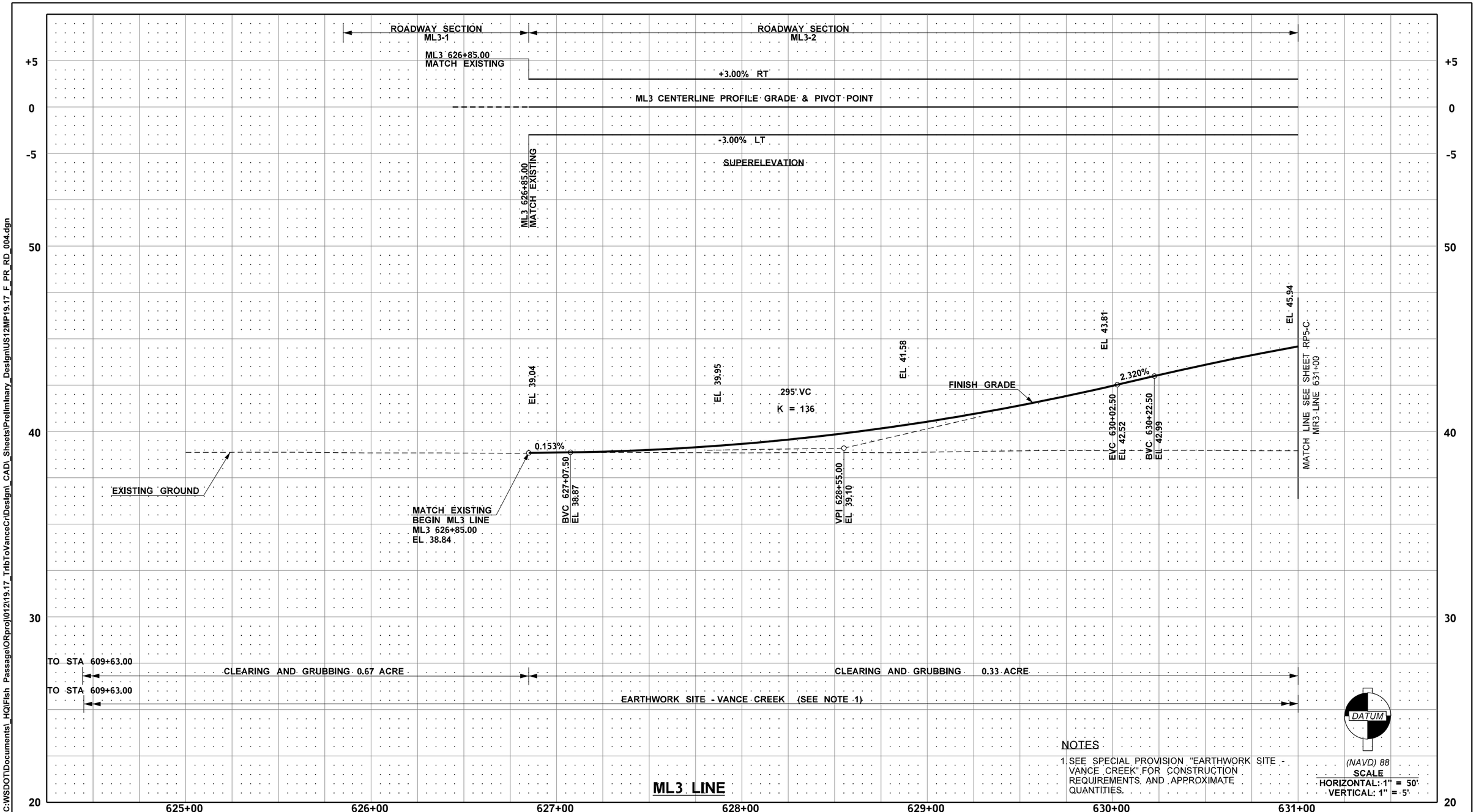
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP3-C

SHEET 630 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_003.dgn



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - VANCE CREEK" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_004.dgn
TIME	12:01:01 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

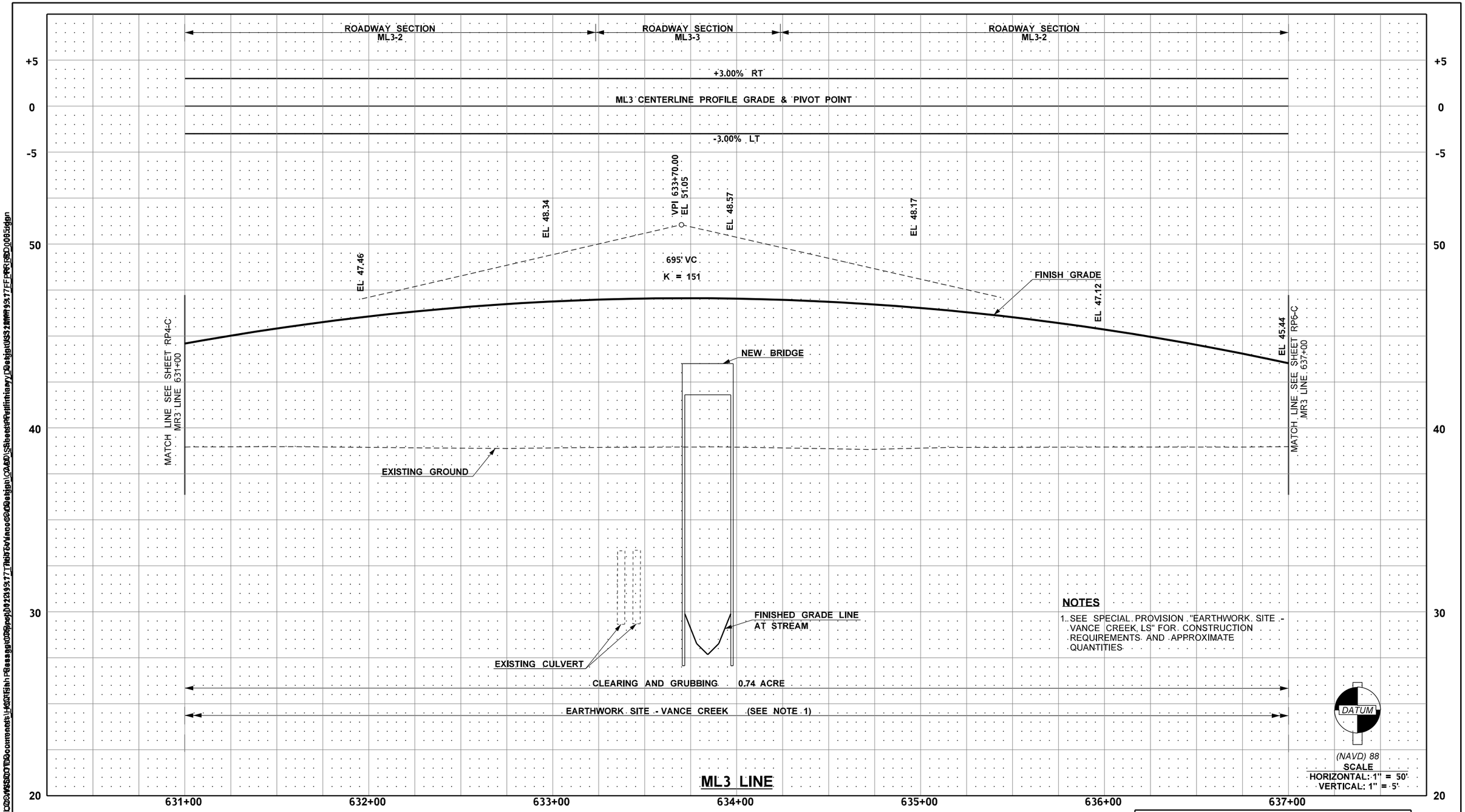
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP4-C

SHEET 631 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_004.dgn



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK, SITE - VANCE CREEK, LS" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_005.dgn
TIME	12:01:07 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

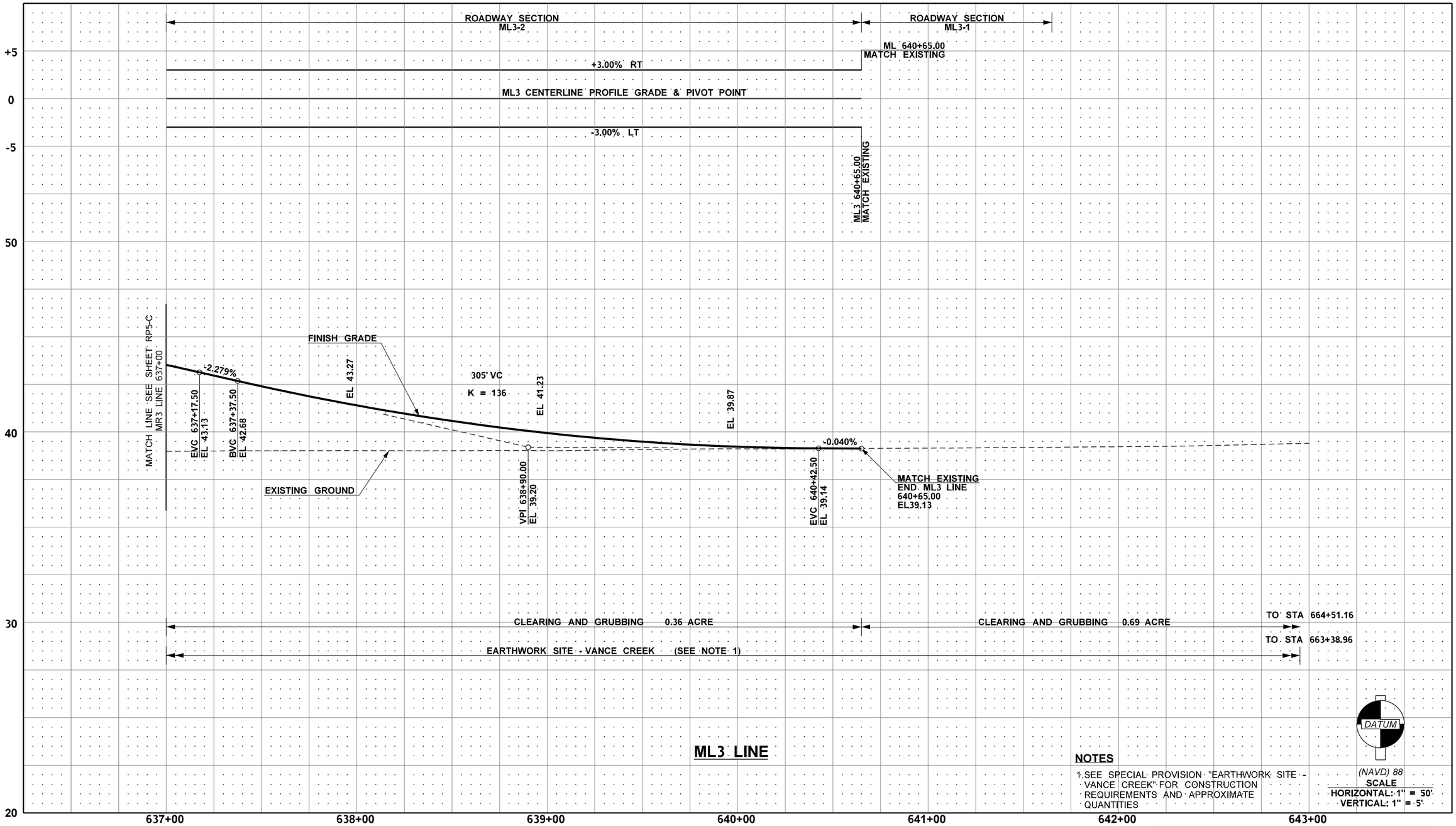
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP5-C

SHEET 632 OF 1241 SHEETS



NOTES

1. SEE SPECIAL PROVISION "EARTHWORK SITE - VANCE CREEK" FOR CONSTRUCTION REQUIREMENTS AND APPROXIMATE QUANTITIES

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_006.dgn
TIME	12:01:11 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

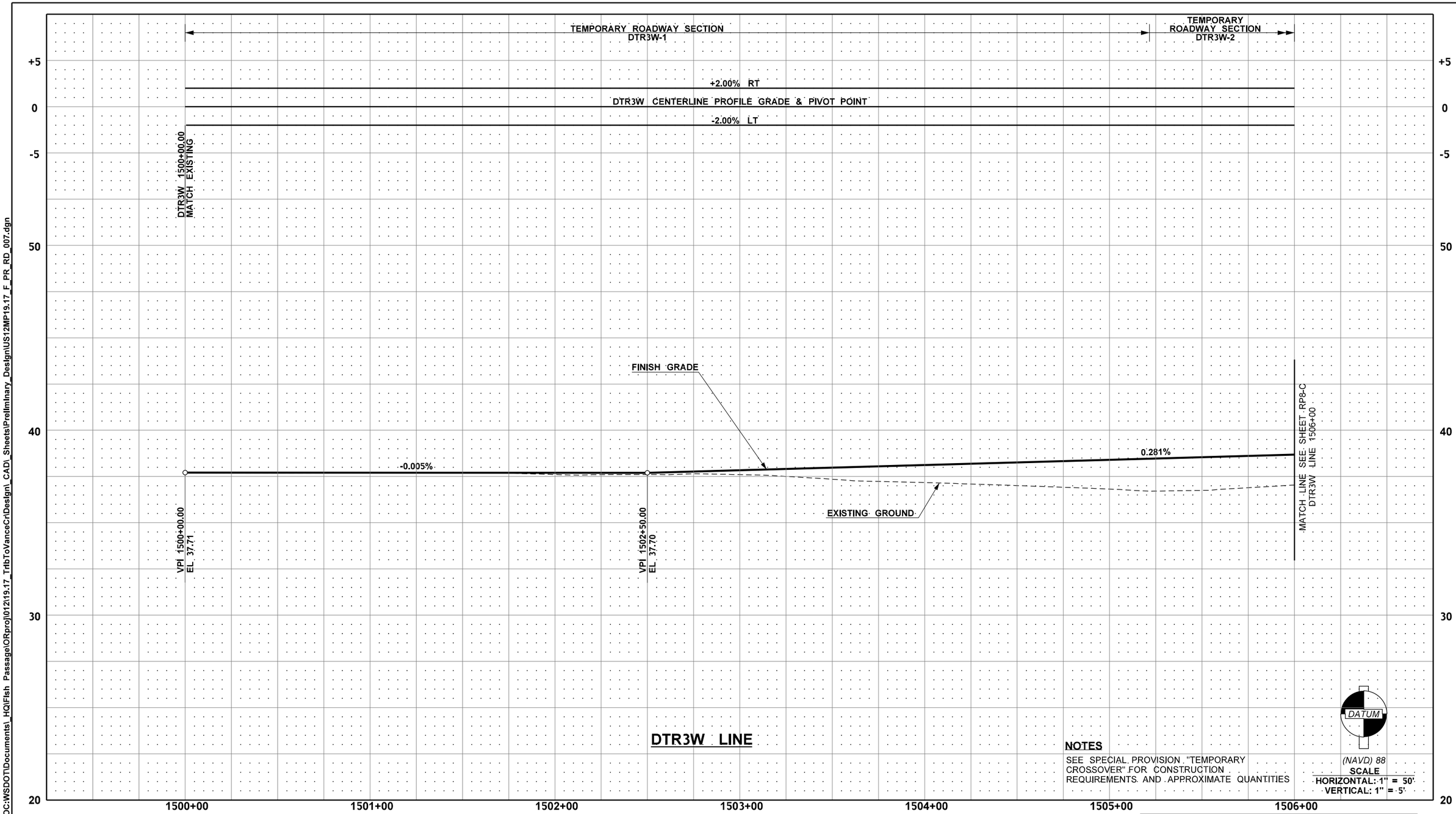
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADWAY PROFILE

PLAN REF. NO. RP6-C

SHEET 633 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_006.dgn



NOTES

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

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_007.dgn
TIME	12:01:18 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	D. FRANKUM
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.

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.

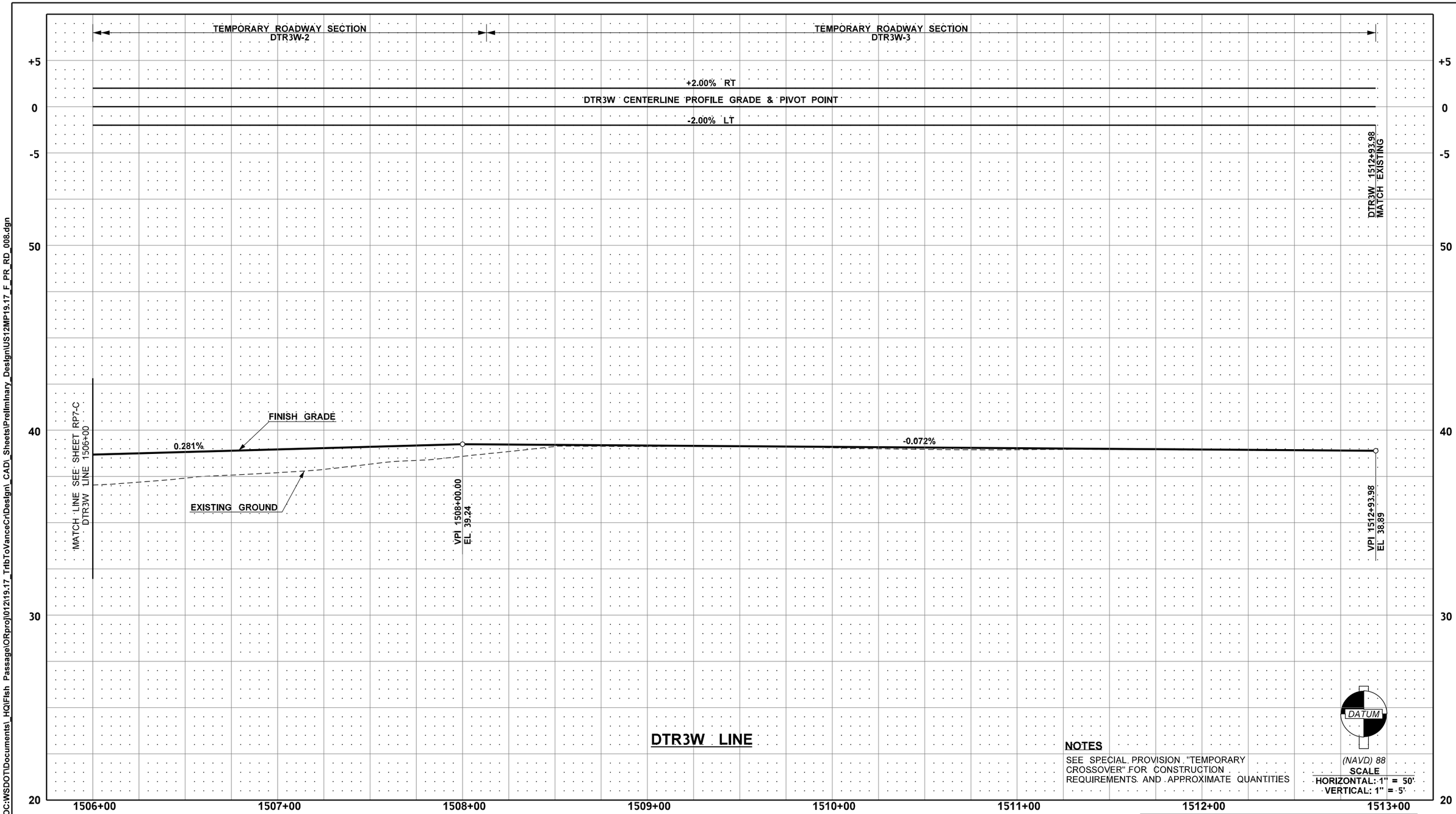
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO.
RP7-C

SHEET
634
OF
1241
SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_007.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:01:22 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
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.

MASON DOUGLAS RAGUSE STATE OF WASHINGTON 20104380 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.

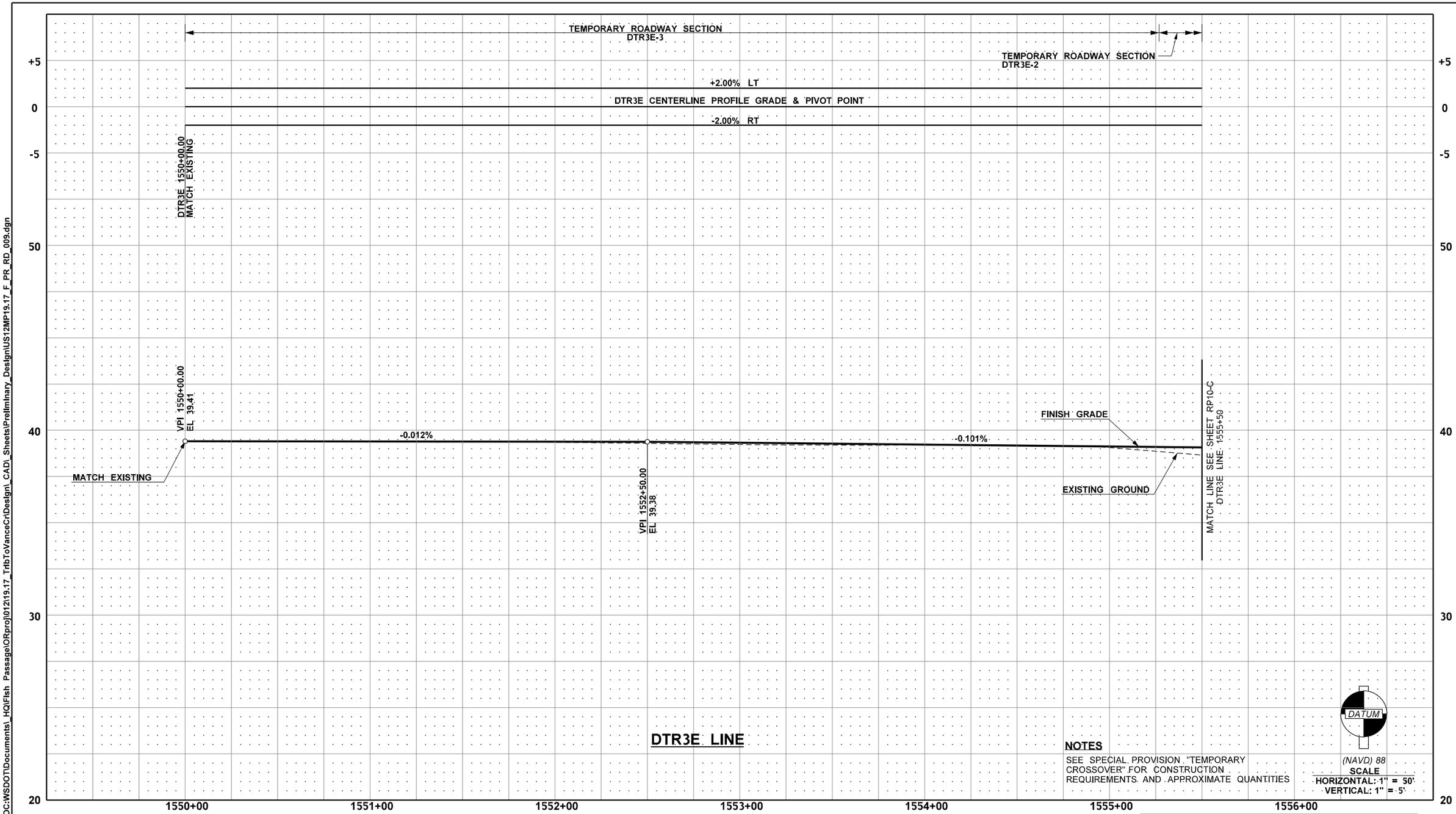
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP8-C

SHEET 635 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_008.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_009.dgn
TIME	12:01:26 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
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.

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.

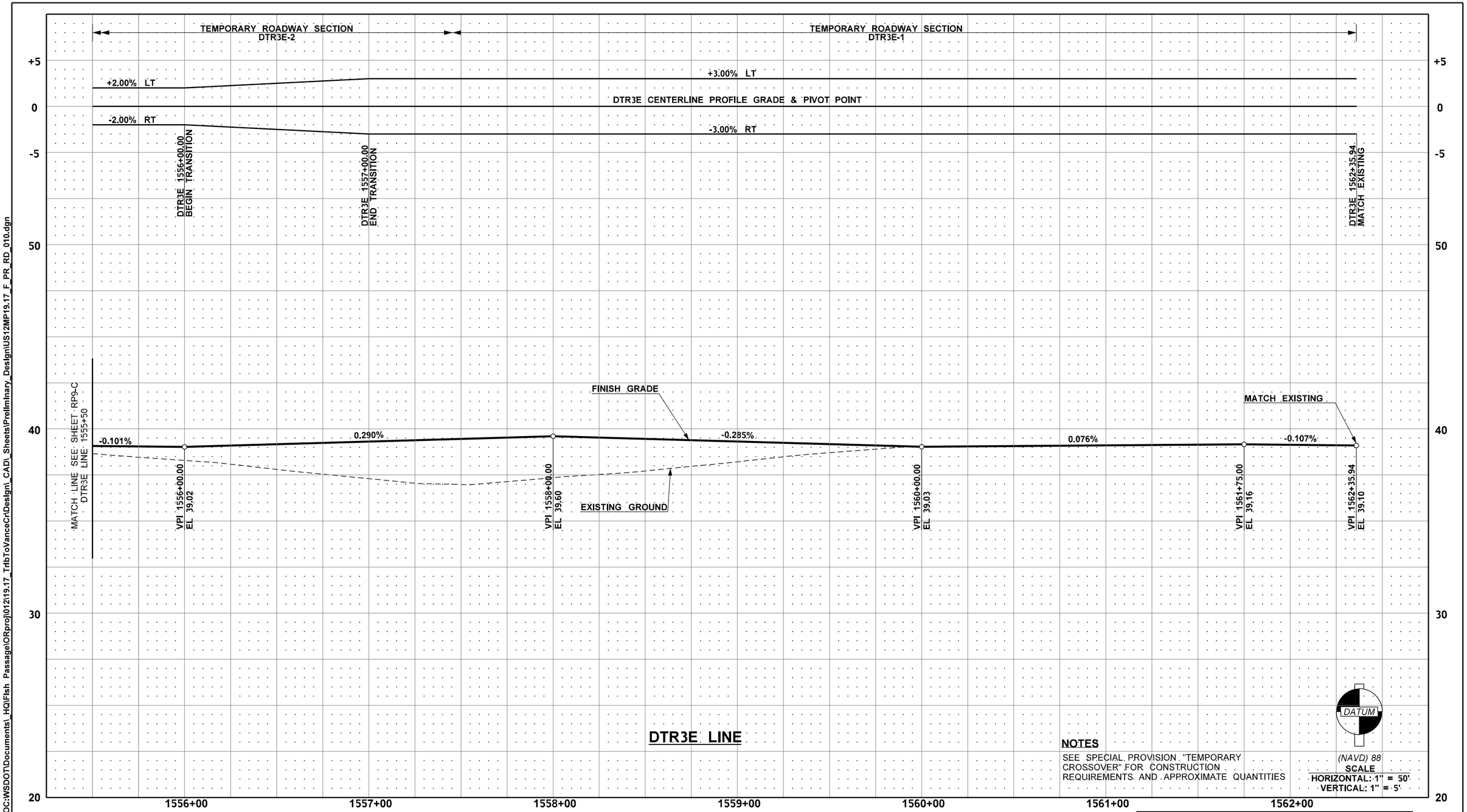
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP9-C

SHEET 636 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TrtbToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_009.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:01:30 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
DATE	12/15/2022						
PLOTTED BY	Fts				JOB NUMBER 21C522		
DESIGNED BY	M. RAGUSE						
ENTERED BY	D. FRANKUM						
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 — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

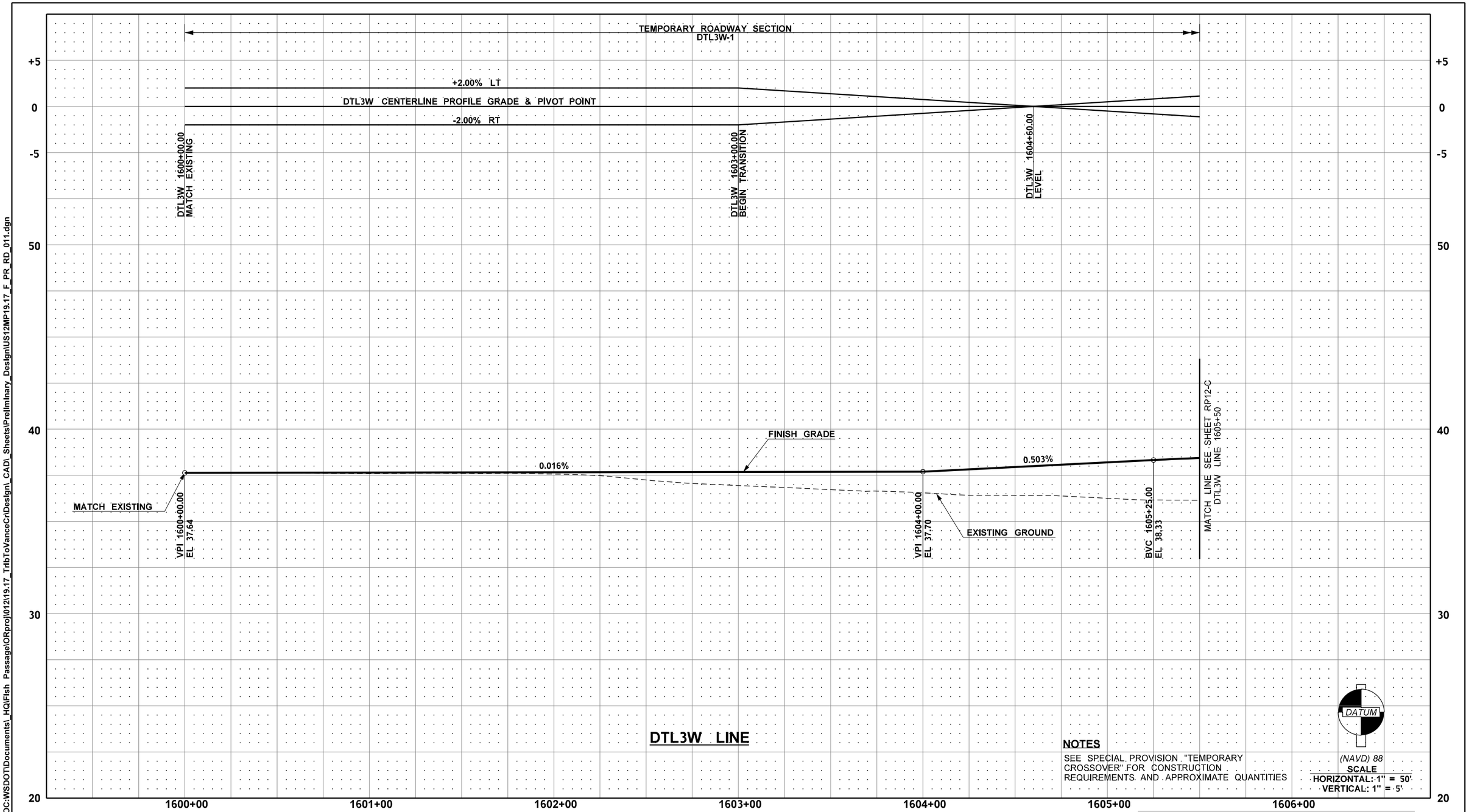
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP10-C

SHEET 637 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_010.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_011.dgn
TIME	12:01:34 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	D. FRANKUM
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.

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.

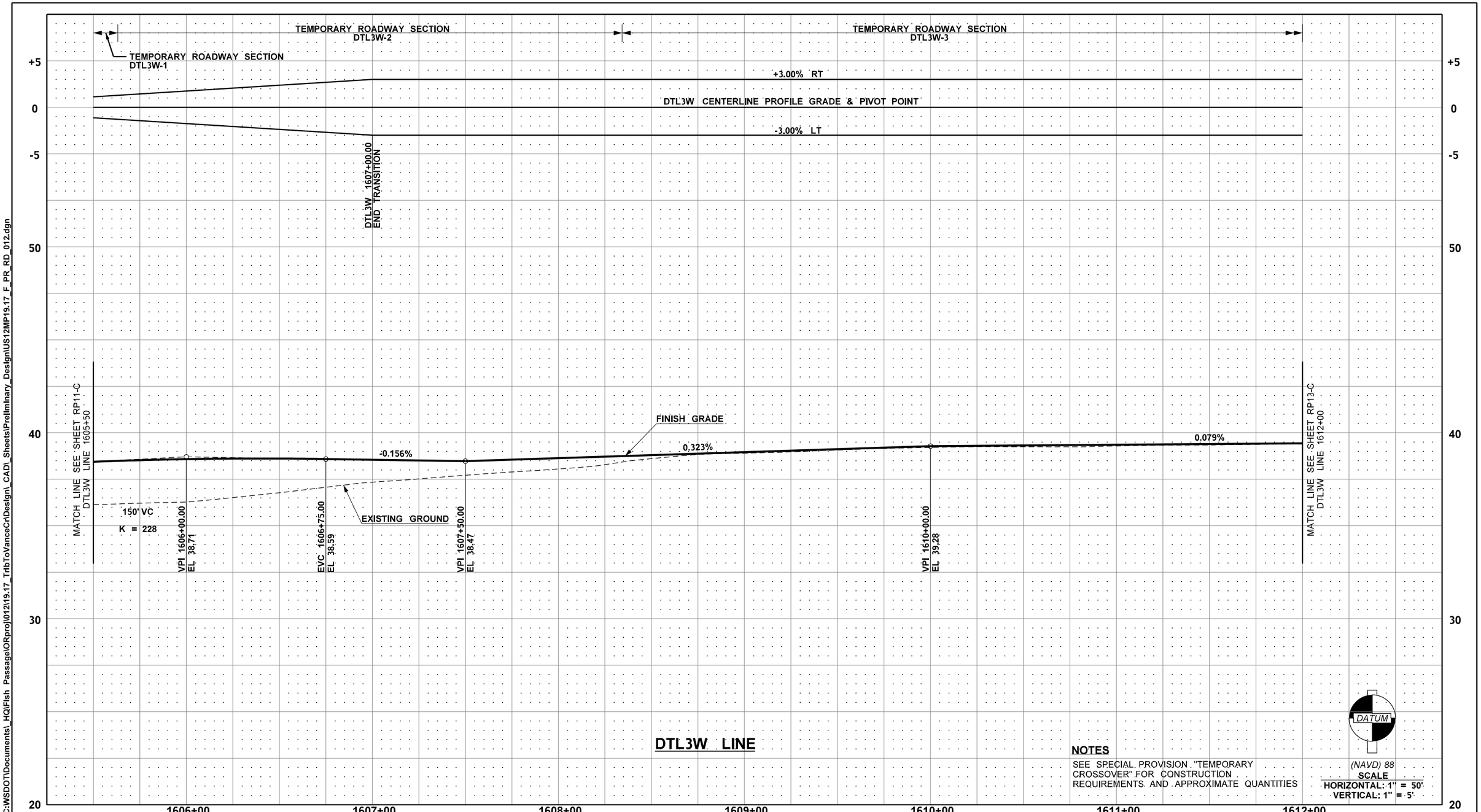
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP11-C

SHEET 638 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_011.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_012.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	12:01:38 PM						
DATE	12/15/2022				JOB NUMBER 21C522		
PLOTTED BY	Fts						
DESIGNED BY	M. RAGUSE				CONTRACT NO. XL6115		LOCATION NO.
ENTERED BY	D. FRANKUM						
CHECKED BY	M. FELIBERTI						
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

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.

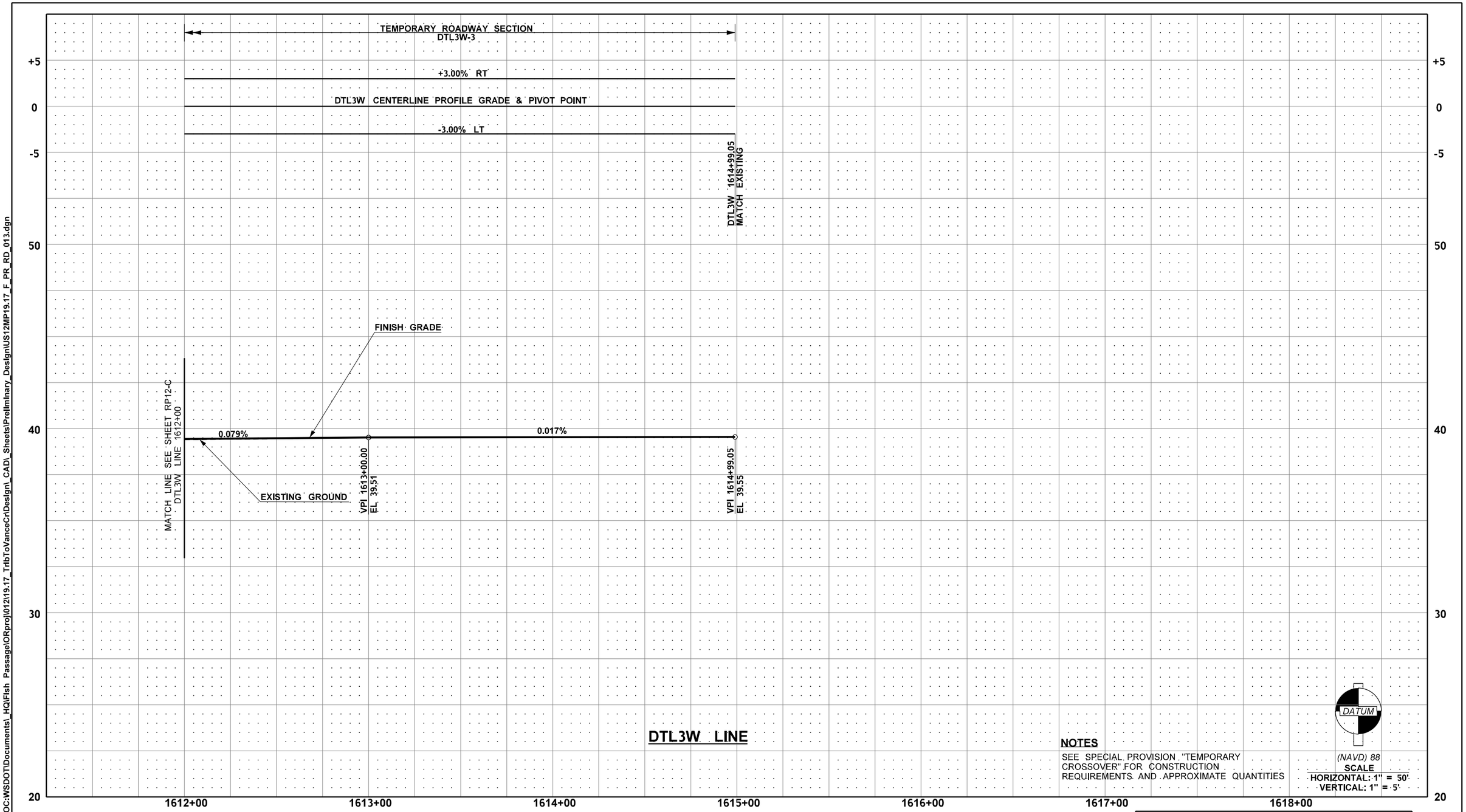
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP12-C

SHEET 639 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TrtbToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_012.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_013.dgn
TIME	12:01:41 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
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		

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

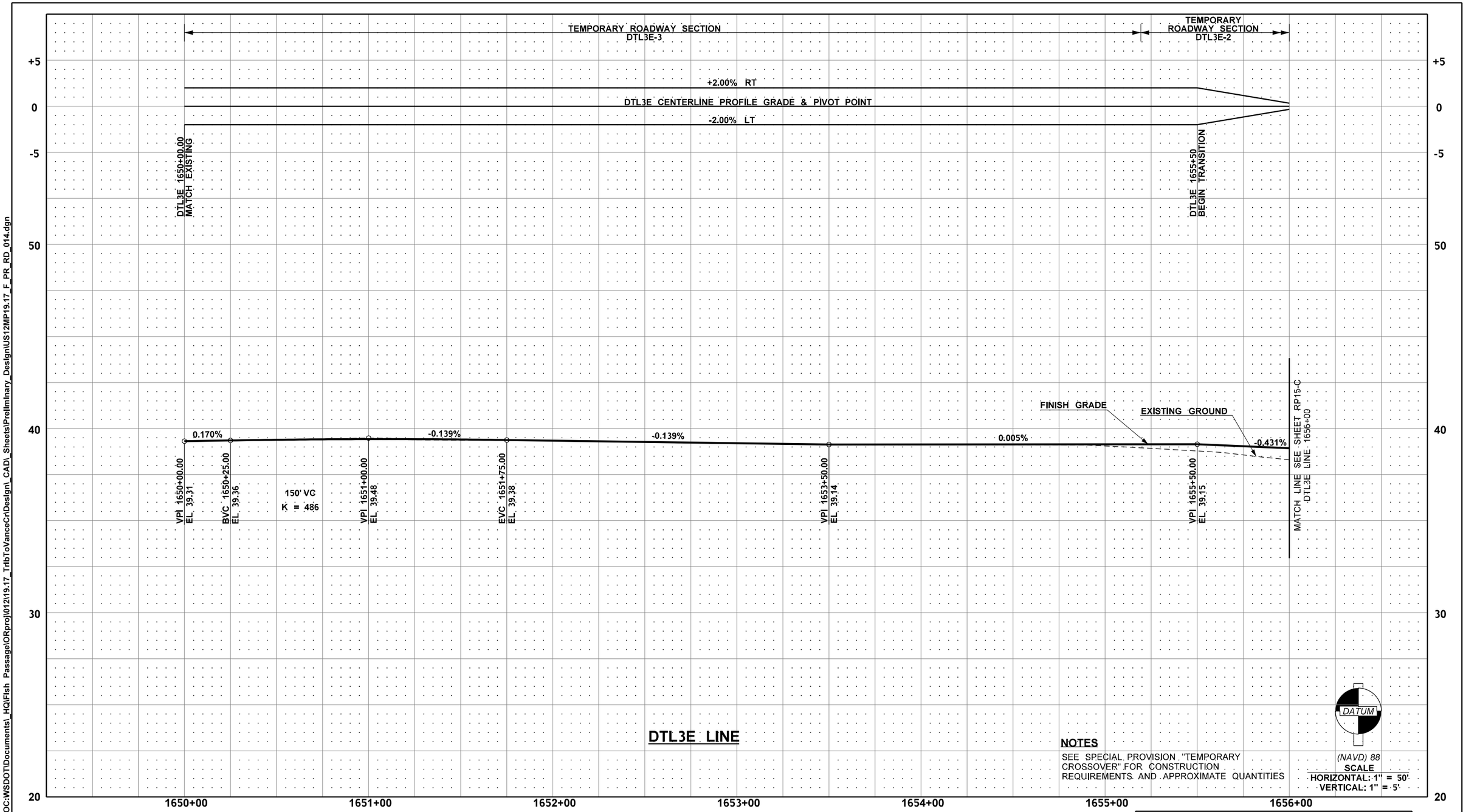
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP13-C

SHEET 640 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TributoVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_013.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_014.dgn
TIME	12:01:44 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
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.

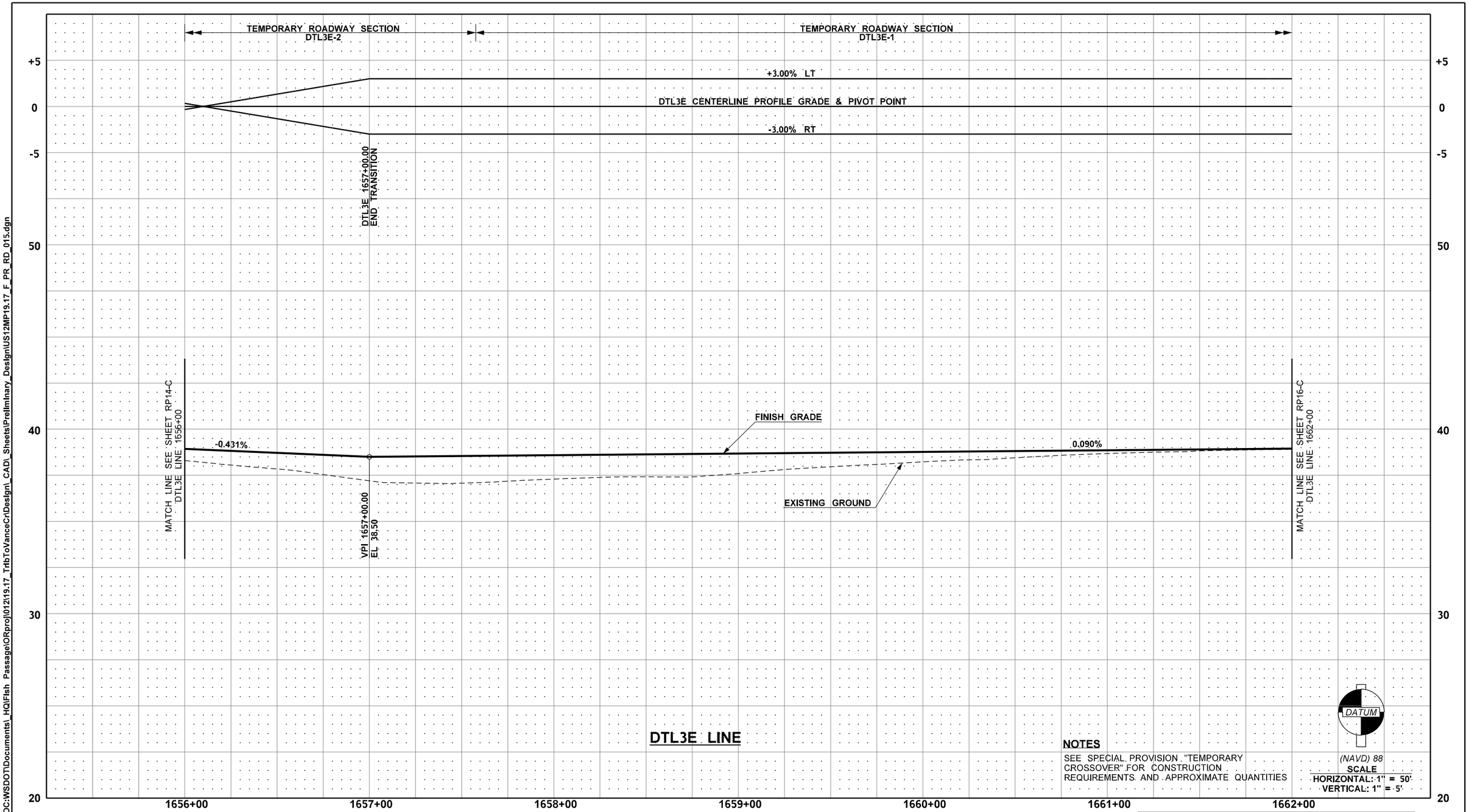
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP14-C

SHEET 641 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TrtbToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_014.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_015.dgn
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DATE	12/15/2022
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DESIGNED BY	M. RAGUSE
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		

SEE SHEET CT1

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

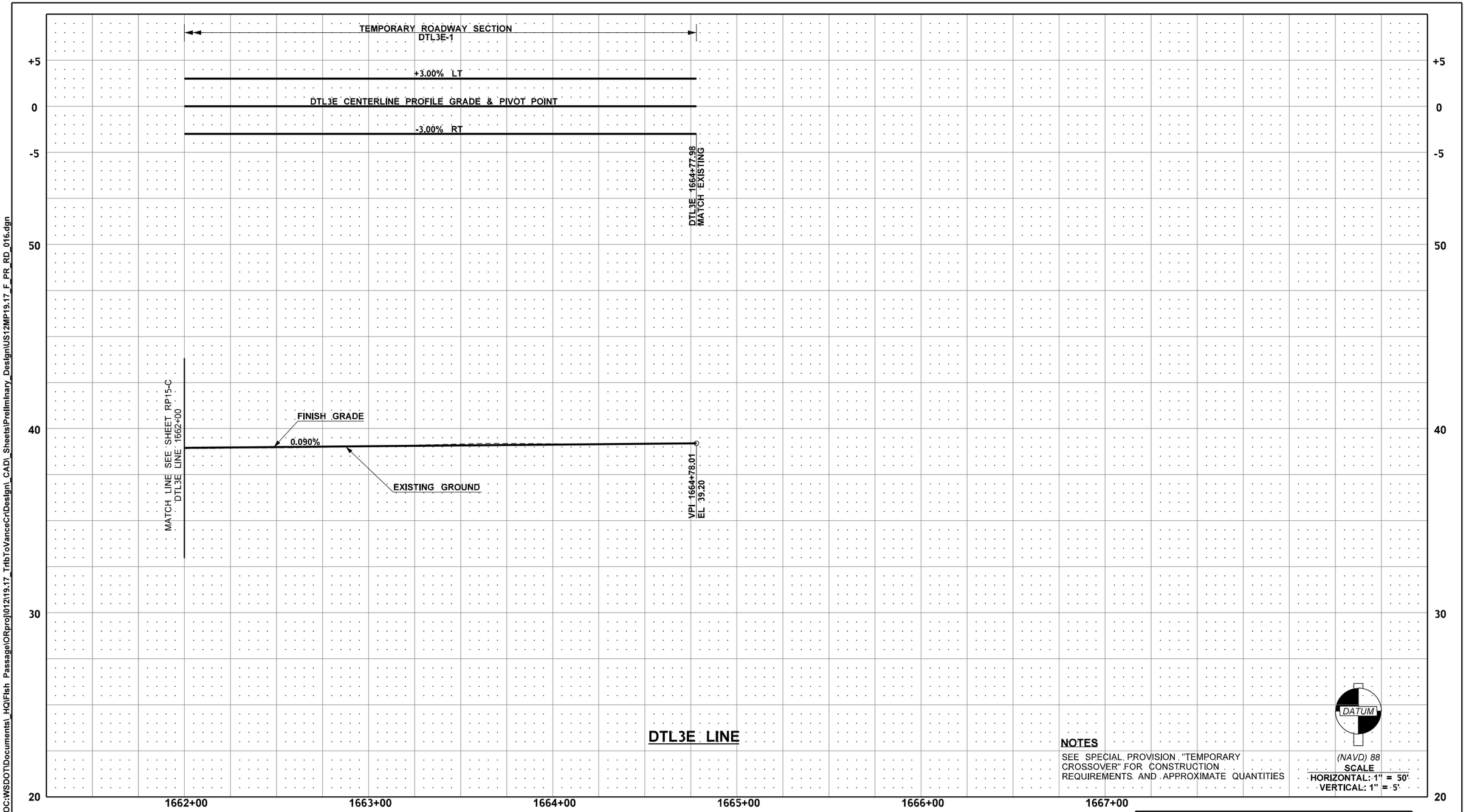
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY ROADWAY PROFILE

PLAN REF. NO. RP15-C

SHEET 642 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_015.dgn



NOTES

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PR_RD_016.dgn
TIME	12:01:52 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
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		

MASON DOUGLAS SAGINE, 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 PROFILE

PLAN REF. NO. RP16-C

SHEET 643 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TributaryToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_RD_016.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 **	COMMON BORROW INCL. HAUL **	GRATE INLET TYPE 2	QUARRY SPALLS		UNDERDRAIN PIPE 6 IN. DIAM.	UNDERDRAIN PIPE 8 IN. DIAM.	DRAIN PIPE 6 IN. DIAM.	DRAIN PIPE 8 IN. DIAM.	CATCH BASIN TYPE 1L	CATCH BASIN TYPE 1	CATCH BASIN TYPE 2 48 IN. DIAM.		TESTING STORM SEWER PIPE	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	SEE GENERAL NOTES
		C.Y.	C.Y.	EACH	TON		L.F.	L.F.	L.F.	L.F.	EACH	EACH	EACH		L.F.	L.F.	
DR2-C-1	MR3 513+49.23 (31.22 LT)																13
DR3-C-1	ML3 620+66.47 (LT) TO 628+60.07 (LT)	20															5,6
DR3-C-2	MR3 522+19.53 (23.69 LT) TO 526+48.03 (23.89 LT)	155						427				3					1,4,6,8
DR4-C-1	MR3 526+48.03 (23.89 LT) TO 526+66.40 (31.77 LT)									20							
DR4-C-2	MR3 526+66.40 (31.77 LT)												1				2,3,13
DR4-C-3	MR3 526+66.40 (31.77 LT) TO 526+72.17 (23.88 LT)								10								
DR4-C-4	MR3 526+72.17 (23.86 LT) TO 527+99.99 (24.00 LT)	45					127					1					1,4,6,8
DR4-C-5	MR3 529+71.83 (28.23 LT) TO 529+73.23 (41.12 RT)				6						1					69	3,7,12
DR4-C-6	ML3 629+91.70 (20.74 LT TO 35.24 LT)			1	6											15	7,9,10
DR4-C-7	MR3 526+66.40 (31.77 LT) TO 526+66.30 (58.71 RT)																13
DR5-C-1	ML3 636+08.28 (20.74 LT) TO 636+07.41 (37.17 LT)			1	6											18	7,9,10
DR5-C-2	MR3 537+12.25 (26.77 LT)												1				2,3,11,13
DR5-C-3	ML3 632+00.00 (40.40 LT)				3		306			15							7
DR5-C-4	MR3 533+30.10 (40.40 RT)				3		61			15							7
DR5-C-5	ML3 634+64.16 (40.40 LT)				3		42			15							7
DR6-C-1	MR3 538+19.73 (29.74 LT) TO 539+20.21 (30.77 LT)											1			100	100	1,3
DR6-C-2	MR3 540+20.00 (LT) TO 543+07.94 (LT)	10															5,6
DR6-C-3	MR3 543+07.94 (LT) TO 548+66.28 (LT)	30															5,6
DR6-C-4	ML3 642+13.61 (LT) TO 652+69.09 (LT)	50															5,6
DR6-C-5	MR3 542+13.15 (RT) TO 554+24.97 (RT)	50															5,6
DR6-C-6	MR3 537+12.25 (26.77 LT) TO 538+19.73 (29.74 LT)											1			107	107	1,3
DR6-C-7	ML3 642+79.33 (RT) TO 647+49.87 (RT)																5,6
DR6-C-8	MR3 538+99.45 (LT) TO 540+20.00 (LT)	10															5,6
DR7-C-1	MR3 548+14.88 (31.33 LT)																13
DR9-C-1	MR3 562+11.14 (31.57 LT) TO 562+11.20 (62.12 RT)																13
	SHEET TOTAL	370		2	27		536	427	10	65	1	6	2		207	309	
	SECTION C TOTAL	370		2	27		536	427	10	65	1	6	2		207	309	

GENERAL NOTES:

** This work is included in "Earthwork Site - Vance Creek", 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-30.30, RECTANGULAR VANED GRATE.

4. SEE SPECIAL PROVISION 8-02 "MEDIA FILTER DRAIN SOIL MIX". SEE DETAILS ON SHT. DD2-C AND DD3-C.

5. SEE SPECIAL PROVISION 8-02 "CAVFS SOIL PRPARATION". SEE DETAILS ON SHEET DD1-C.

6. SEE PAVEMENT MARKING PLANS FOR BMP DELINEATION.

7. SEE OUTLET PROTECTION DETAIL ON SHEET DD3-C.

8. SEE STANDARD PLAN B-30.20, RECTANGULAR SOLID METAL COVER.

9. SEE STANDARD PLAN B-35.40, GRATE INLET TYPE 2.

10. SEE STANDARD PLAN B-40.40, FRAME AND DUAL VANED GRATES FOR GRATE INLET.

11. CONNECT TO EXISTING PIPE.

12. SEE STANDARD PLAN B-5.40, CATCH BASIN TYPE 1L.

13. CLEANING EXISTING DRAINAGE STRUCTURE PER STD. SPEC 7-07.

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

SNDR1-C

SHEET 644 **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 ➢		CRUSHED SURFACING BASE COURSE	MEDIUM COMPOST		STRUCTURE EXCAVATION CLASS B INCL. HAUL **	SHORING OR EXTRA EXCAVATION CLASS B	GRAVEL BACKFILL FOR DRAINS **		ADJUST CATCH BASIN	CONSTRUCTION GEOTEXTILE FOR UNDERGROUND DRAINAGE	CONSTRUCTION GEOTEXTILE FOR SOIL STABILIZATION		MEDIA FILTER DRAIN SOIL MIX	CAVFS SOIL PREPARATION		SEE GENERAL NOTES
			TON	S.Y.		C.Y.	S.F.	C.Y.		EACH	S.Y.	S.Y.		S.Y.	S.Y.		
DR2-C-1	MR3 513+49.23 (31.22 LT)									1							13
DR3-C-1	ML3 620+66.47 (LT) TO 628+60.07 (LT)		40	180											180		5,6
DR3-C-2	MR3 522+19.53 (23.69 LT) TO 526+48.03 (23.89 LT)		10	340				55			630			190			1,4,6,8
DR4-C-1	MR3 526+48.03 (23.89 LT) TO 526+66.40 (31.77 LT)					9											
DR4-C-2	MR3 526+66.40 (31.77 LT)					7											2,3,13
DR4-C-3	MR3 526+66.40 (31.77 LT) TO 526+72.17 (23.88 LT)					4											
DR4-C-4	MR3 526+72.17 (23.86 LT) TO 527+99.99 (24.00 LT)		10	100				60			180			60			1,4,6,8
DR4-C-5	MR3 529+71.83 (28.23 LT) TO 529+73.23 (41.12 RT)					12						9					3,7,12
DR4-C-6	ML3 629+91.70 (20.74 LT TO 35.24 LT)					14						9					7,9,10
DR4-C-7	MR3 526+66.40 (31.77 LT) TO 526+66.30 (58.71 RT)																13
DR5-C-1	ML3 636+08.28 (20.74 LT) TO 636+07.41 (37.17 LT)					19						9					7,9,10
DR5-C-2	MR3 537+12.25 (26.77 LT)					12											2,3,11,13
DR5-C-3	ML3 632+00.00 (40.40 LT)							12			140						7
DR5-C-4	MR3 533+30.10 (40.40 RT)							3			30						7
DR5-C-5	ML3 634+64.16 (40.40 LT)							2			20						7
DR6-C-1	MR3 538+19.73 (29.74 LT) TO 539+20.21 (30.77 LT)					56											1,3
DR6-C-2	MR3 540+20.00 (LT) TO 543+07.94 (LT)		20	130											130		5,6
DR6-C-3	MR3 543+07.94 (LT) TO 548+66.28 (LT)		40	130											130		5,6
DR6-C-4	ML3 642+13.61 (LT) TO 652+69.09 (LT)		80	250											250		5,6
DR6-C-5	MR3 542+13.15 (RT) TO 554+24.97 (RT)		90	270											270		5,6
DR6-C-6	MR3 537+12.25 (26.77 LT) TO 538+19.73 (29.74 LT)					87	640										1,3
DR6-C-7	ML3 642+79.33 (RT) TO 647+49.87 (RT)			110											110		5,6
DR6-C-8	MR3 538+99.45 (LT) TO 540+20.00 (LT)		10	60											60		5,6
DR7-C-1	MR3 548+14.88 (31.33 LT)									1							13
DR9-C-1	MR3 562+11.14 (31.57 LT) TO 562+11.20 (62.12 RT)									1							13
	SHEET TOTAL		300	1570		220	640	132		3	1000	27		250	1130		
	SECTION C TOTAL		300	1570		220	640	132		3	1000	27		250	1130		

GENERAL NOTES:

** This work is included in "Earthwork Site - Vance Creek", 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-30.30, RECTANGULAR VANED GRATE.
4. SEE SPECIAL PROVISION 8-02 "MEDIA FILTER DRAIN SOIL MIX". SEE DETAILS ON SHT. DD2-C AND DD3-C.
5. SEE SPECIAL PROVISION 8-02 "CAVFS SOIL PRPARATION". SEE DETAILS ON SHEET DD1-C.
6. SEE PAVEMENT MARKING PLANS FOR BMP DELINEATION.
7. SEE OUTLET PROTECTION DETAIL ON SHEET DD3-C.
8. SEE STANDARD PLAN B-30.20, RECTANGULAR SOLID METAL COVER.
9. SEE STANDARD PLAN B-35.40, GRATE INLET TYPE 2.
10. SEE STANDARD PLAN B-40.40, FRAME AND DUAL VANED GRATES FOR GRATE INLET.
11. CONNECT TO EXISTING PIPE.
12. SEE STANDARD PLAN B-5.40, CATCH BASIN TYPE 1L.
13. CLEANING EXISTING DRAINAGE STRUCTURE PER STD. SPEC 7-07.

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

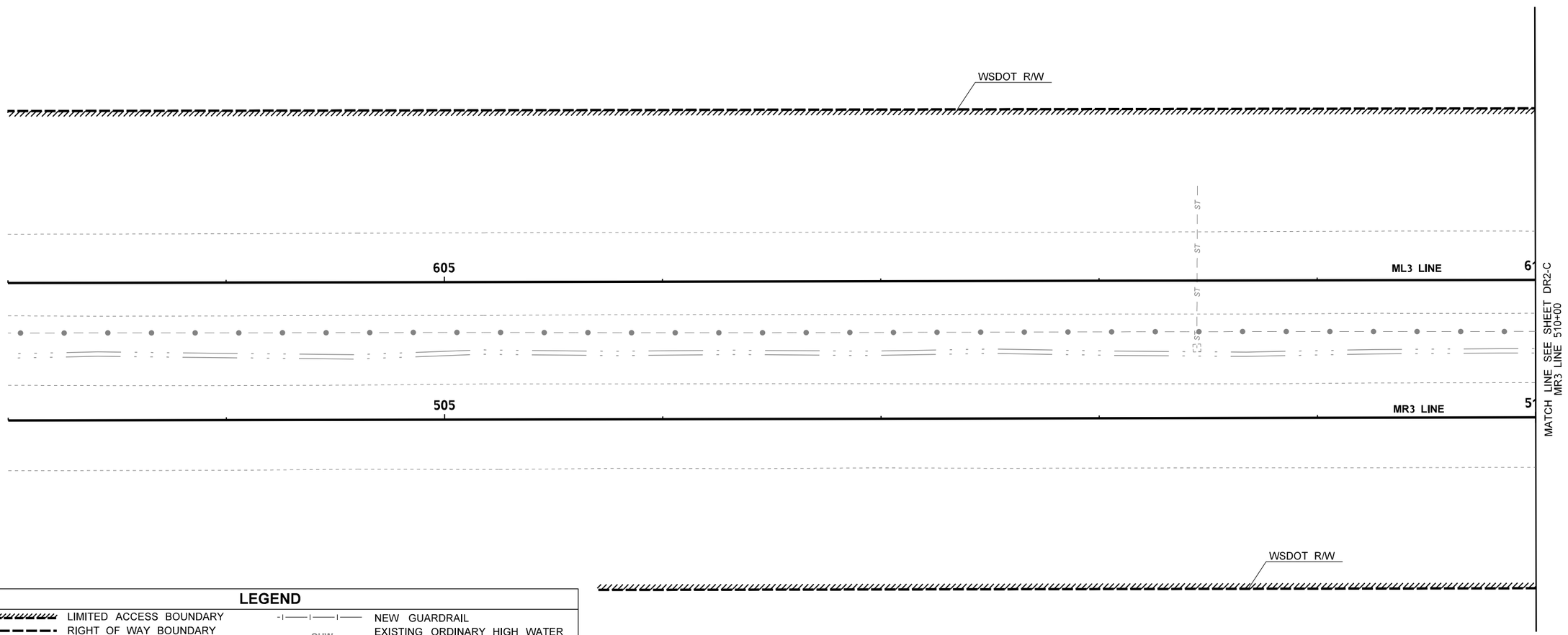
Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STRUCTURE NOTES - DRAINAGE

SNDR2-C

SHEET 645 **OF** 1241 **SHEETS**



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-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_DR_001.dgn
TIME	4:31:38 PM
DATE	12/14/2022
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		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

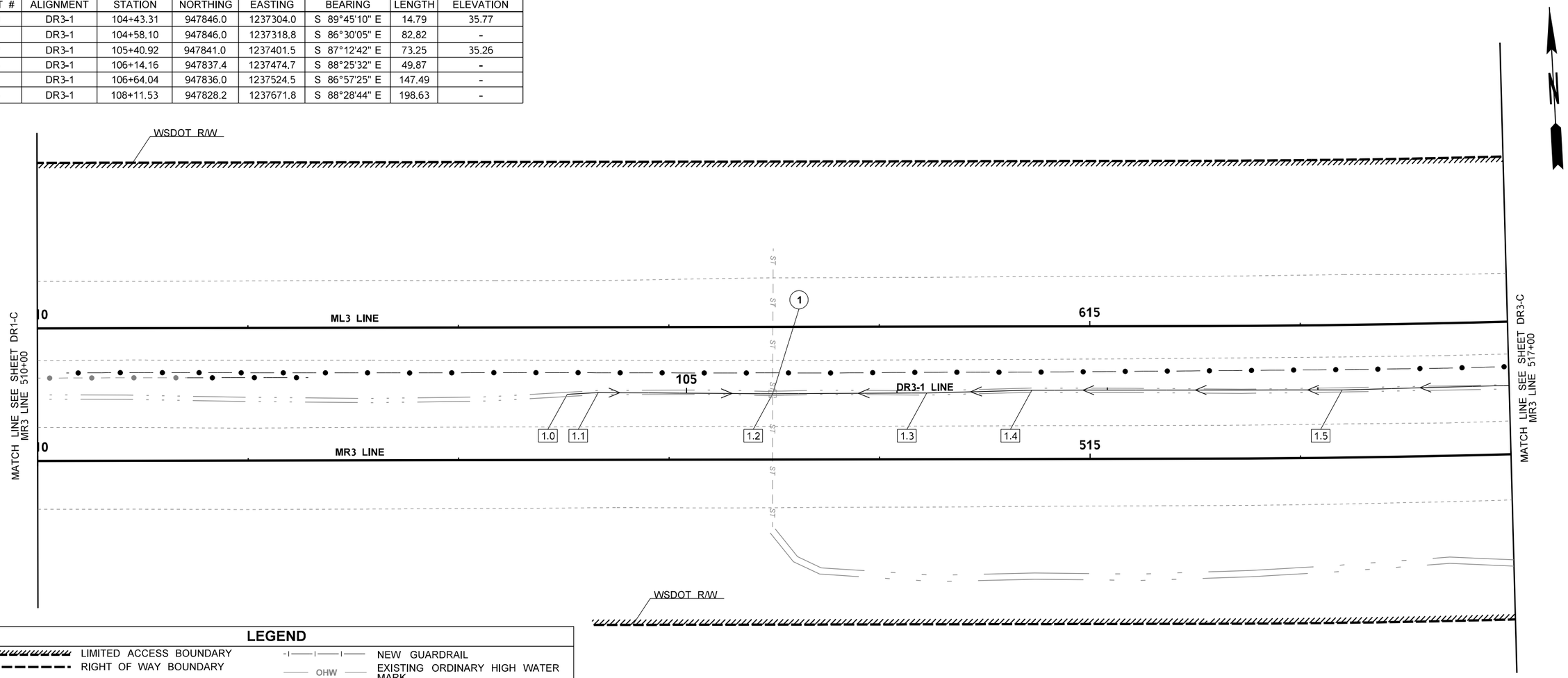
DRAINAGE PLAN

PLAN REF NO DR1-C

SHEET 646 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_001.dgn

ROADSIDE DITCH ALIGNMENTS							
POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.0	DR3-1	104+43.31	947846.0	1237304.0	S 89°45'10" E	14.79	35.77
1.1	DR3-1	104+58.10	947846.0	1237318.8	S 86°30'05" E	82.82	-
1.2	DR3-1	105+40.92	947841.0	1237401.5	S 87°12'42" E	73.25	35.26
1.3	DR3-1	106+14.16	947837.4	1237474.7	S 88°25'32" E	49.87	-
1.4	DR3-1	106+64.04	947836.0	1237524.5	S 86°57'25" E	147.49	-
1.5	DR3-1	108+11.53	947828.2	1237671.8	S 88°28'44" E	198.63	-



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	

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-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR2-C

SHEET 647 OF 1241 SHEETS

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TIME	4:31:56 PM
DATE	12/14/2022
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.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

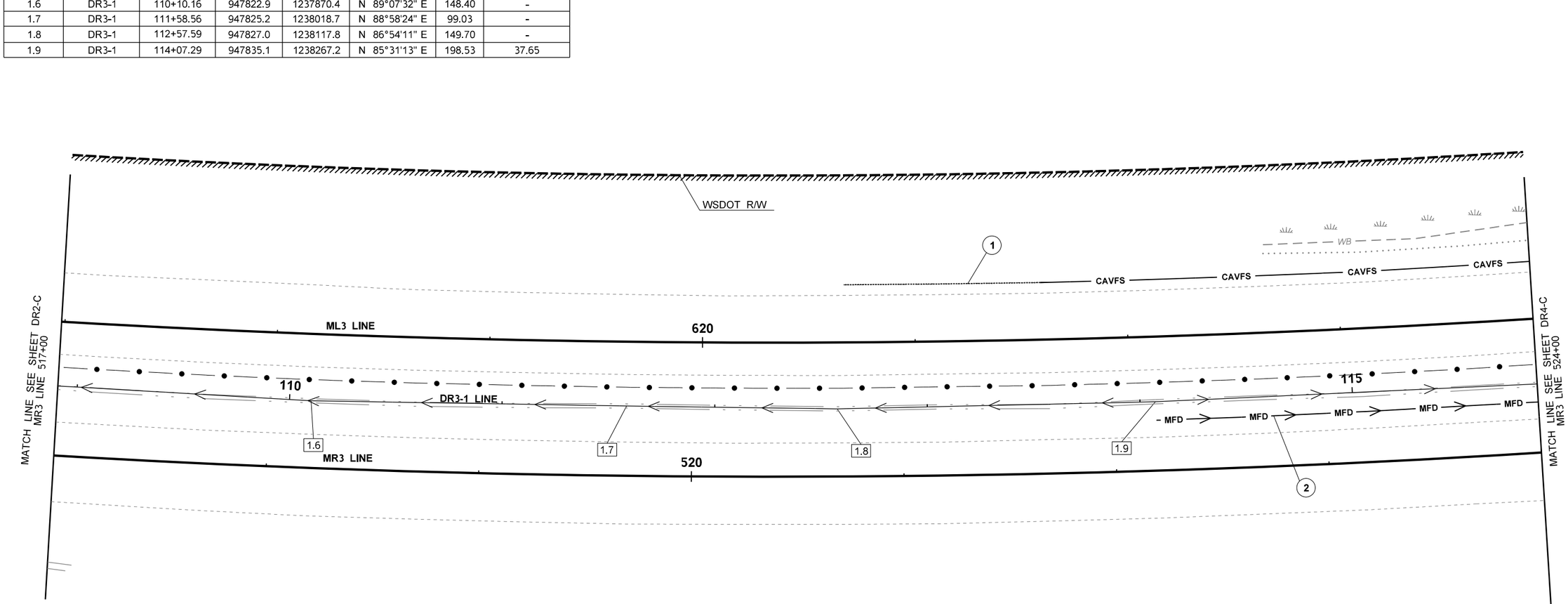
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_002.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.6	DR3-1	110+10.16	947822.9	1237870.4	N 89°07'32" E	148.40	-
1.7	DR3-1	111+58.56	947825.2	1238018.7	N 88°58'24" E	99.03	-
1.8	DR3-1	112+57.59	947827.0	1238117.8	N 86°54'11" E	149.70	-
1.9	DR3-1	114+07.29	947835.1	1238267.2	N 85°31'13" E	198.53	37.65



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	

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-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022
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.

SEE SHEET CT1
P.E. STAMP BOX | DATE

P.E. STAMP BOX | DATE

Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

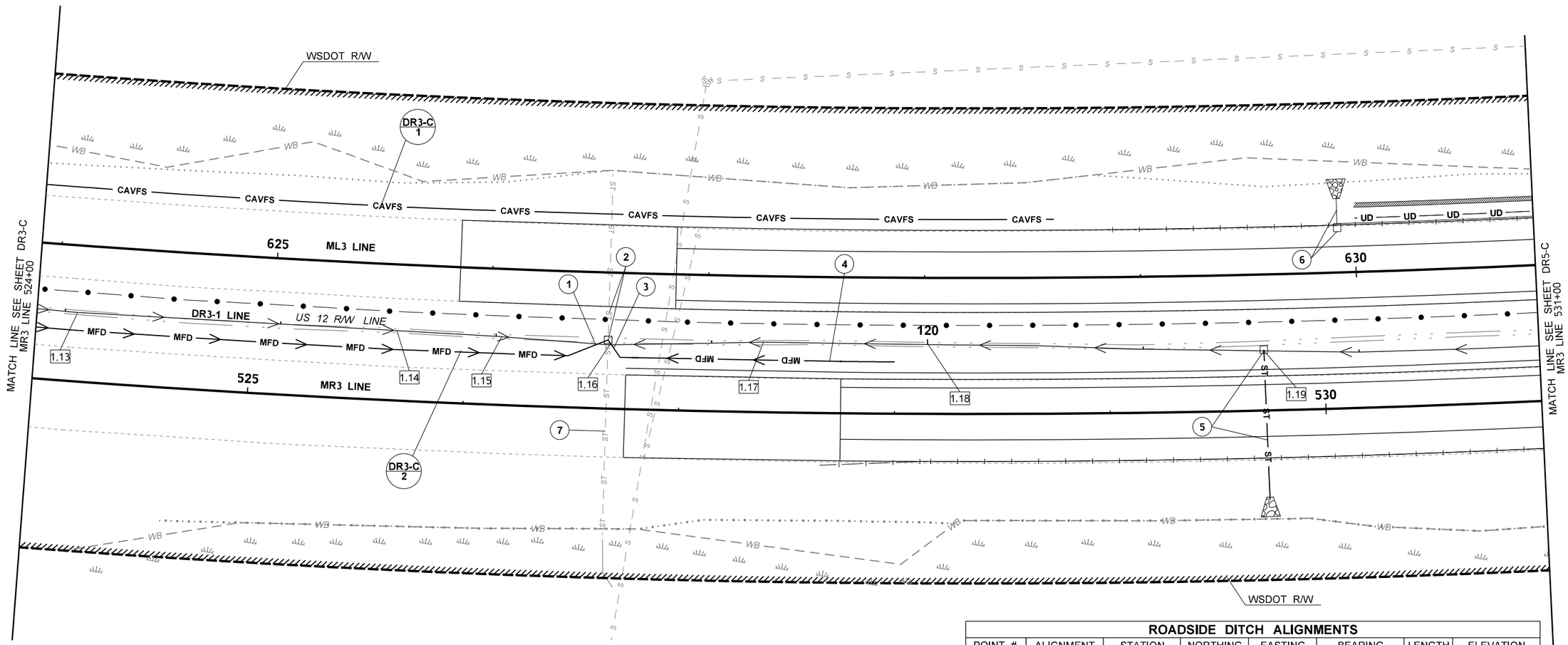
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR3-C

SHEET 648 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_003.dgn



ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.13	DR3-1	116+05.82	947850.6	1238465.2	N 83°29'55" E	148.08	-
1.14	DR3-1	117+53.90	947867.3	1238612.3	N 83°34'47" E	48.73	-
1.15	DR3-1	118+02.62	947872.8	1238612.7	N 84°35'04" E	50.07	-
1.16	DR3-1	118+52.69	947877.5	1238710.6	N 79°34'17" E	71.32	-
1.17	DR3-1	119+24.01	947890.8	1238780.6	N 81°05'36" E	76.34	-
1.18	DR3-1	120+00.36	947902.6	1238856.0	N 80°47'09" E	154.84	-
1.19	DR3-1	121+56.28	947926.8	1239010.1	N 81°05'36" E	141.81	-

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-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR4-C

SHEET 649 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_DR_004.dgn
TIME	4:32:20 PM
DATE	12/14/2022
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.

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

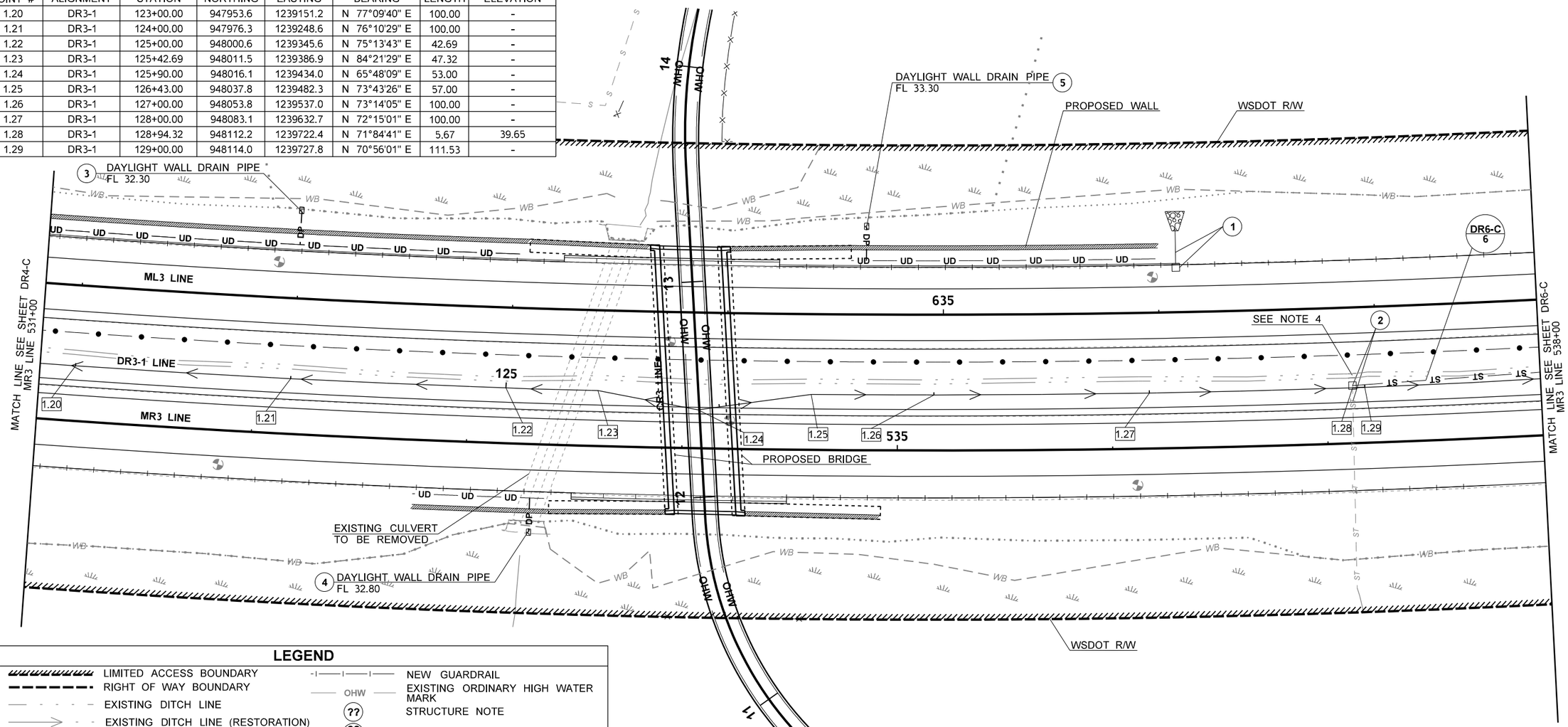
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_004.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.20	DR3-1	123+00.00	947953.6	1239151.2	N 77°09'40" E	100.00	-
1.21	DR3-1	124+00.00	947976.3	1239248.6	N 76°10'29" E	100.00	-
1.22	DR3-1	125+00.00	948000.6	1239345.6	N 75°13'43" E	42.69	-
1.23	DR3-1	125+42.69	948011.5	1239386.9	N 84°21'29" E	47.32	-
1.24	DR3-1	125+90.00	948016.1	1239434.0	N 65°48'09" E	53.00	-
1.25	DR3-1	126+43.00	948037.8	1239482.3	N 73°43'26" E	57.00	-
1.26	DR3-1	127+00.00	948053.8	1239537.0	N 73°14'05" E	100.00	-
1.27	DR3-1	128+00.00	948083.1	1239632.7	N 72°15'01" E	100.00	-
1.28	DR3-1	128+94.32	948112.2	1239722.4	N 71°84'41" E	5.67	39.65
1.29	DR3-1	129+00.00	948114.0	1239727.8	N 70°56'01" E	111.53	-



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

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-C.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR5-C

SHEET 650 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_DR_005.dgn
TIME	4:32:33 PM
DATE	12/14/2022
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.

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

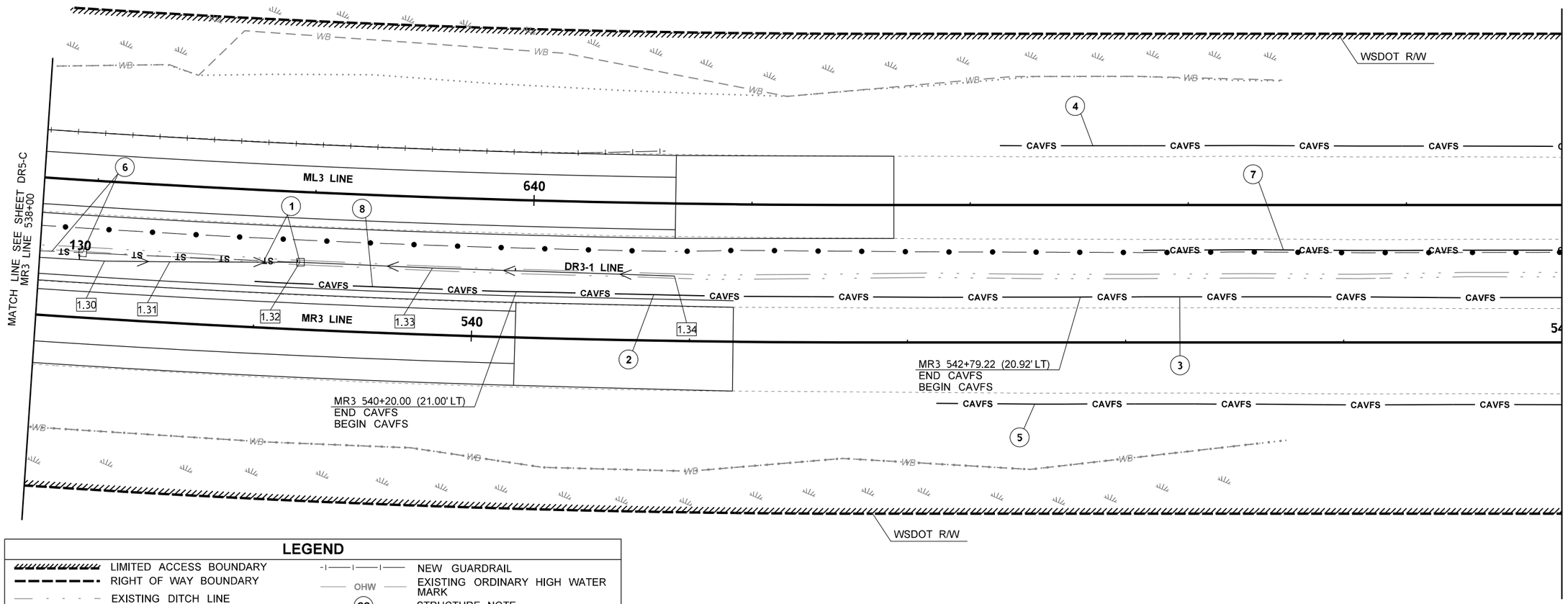
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_005.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
1.30	DR3-1	130+11.56	948151.1	1239832.9	N 67°30'26" E	29.89	-
1.31	DR3-1	130+41.45	948162.6	1239860.5	N 67°01'25" E	59.71	-
1.32	DR3-1	131+01.16	948185.9	1239915.5	N 69°21'11" E	60.80	-
1.33	DR3-1	131+61.96	948207.3	1239972.4	N 68°44'17" E	110.89	-
1.34	DR3-1	132+72.97	948247.6	1240075.9	-	-	37.34



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	

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.
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4. FOR DITCH CONSTRUCTION, SEE DITCH PROFILES ON DP SHEETS, ROADWAY TYPICAL SECTIONS ON RS SHEETS, AND DITCH DETAILS ON SHEET DD3-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:32:52 PM
DATE	12/14/2022
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.

SEE SHEET CT1
P.E. STAMP BOX | DATE

P.E. STAMP BOX | DATE

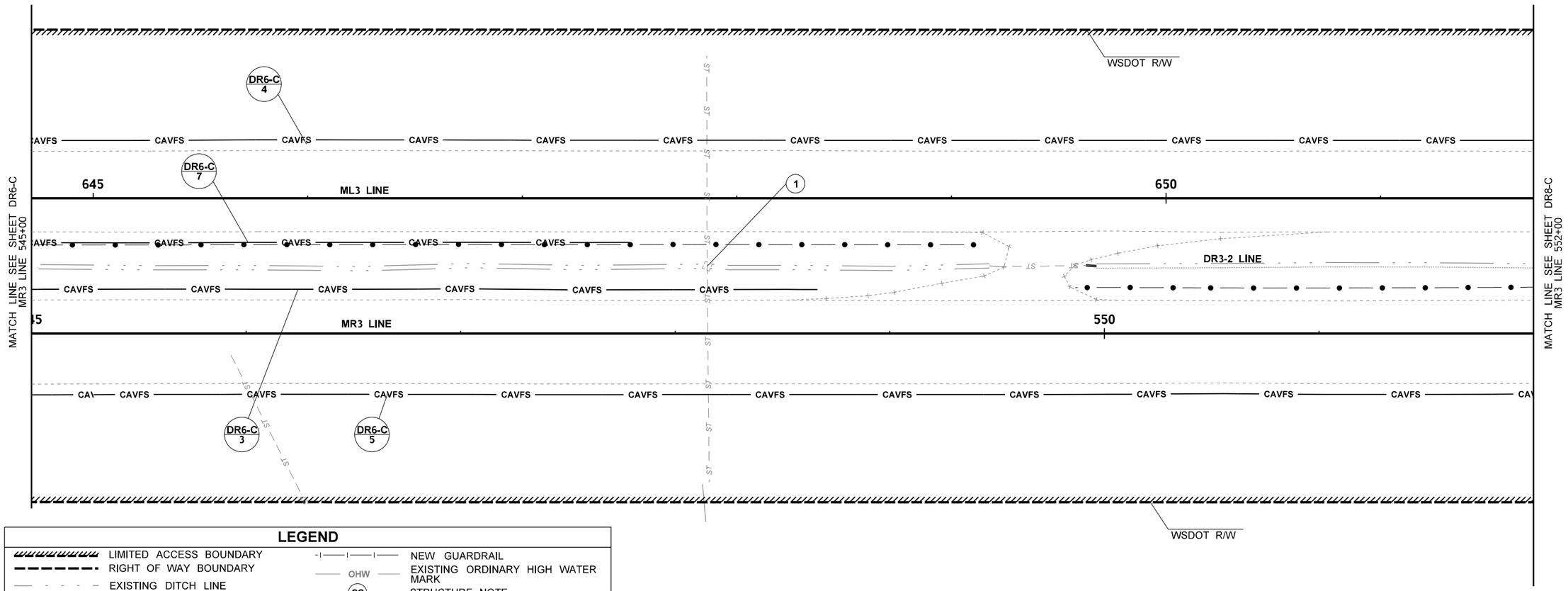
Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR6-C
SHEET 651 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_006.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	

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.
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4. FOR DITCH CONSTRUCTION, SEE DITCH PROFILES ON DP SHEETS, ROADWAY TYPICAL SECTIONS ON RS SHEETS, AND DITCH DETAILS ON SHEET DD3-C.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:33:10 PM
DATE	12/14/2022
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.

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

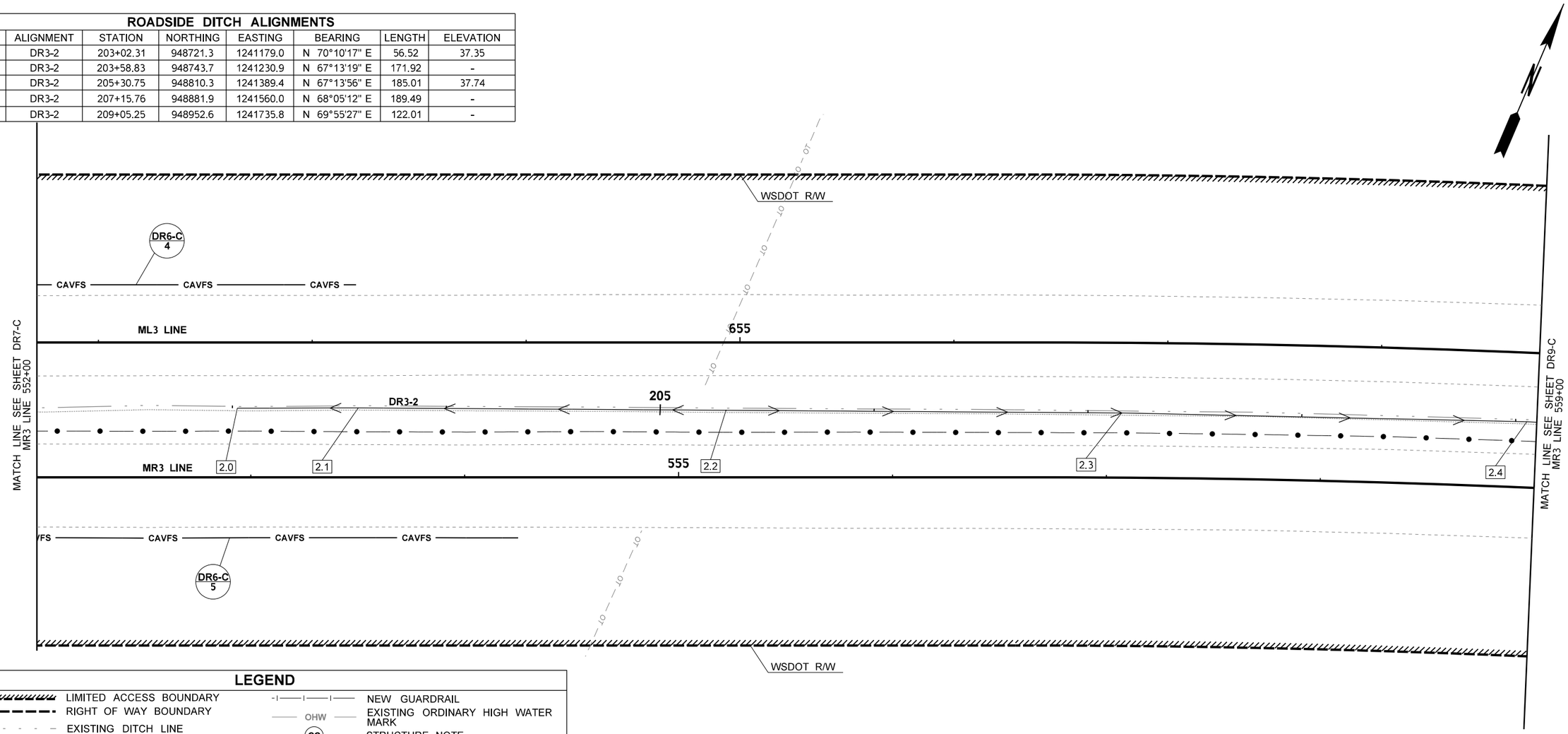
PLAN REF NO DR7-C

SHEET 652 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_007.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
2.0	DR3-2	203+02.31	948721.3	1241179.0	N 70°10'17" E	56.52	37.35
2.1	DR3-2	203+58.83	948743.7	1241230.9	N 67°13'19" E	171.92	-
2.2	DR3-2	205+30.75	948810.3	1241389.4	N 67°13'56" E	185.01	37.74
2.3	DR3-2	207+15.76	948881.9	1241560.0	N 68°05'12" E	189.49	-
2.4	DR3-2	209+05.25	948952.6	1241735.8	N 69°55'27" E	122.01	-



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	

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.
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022
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

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

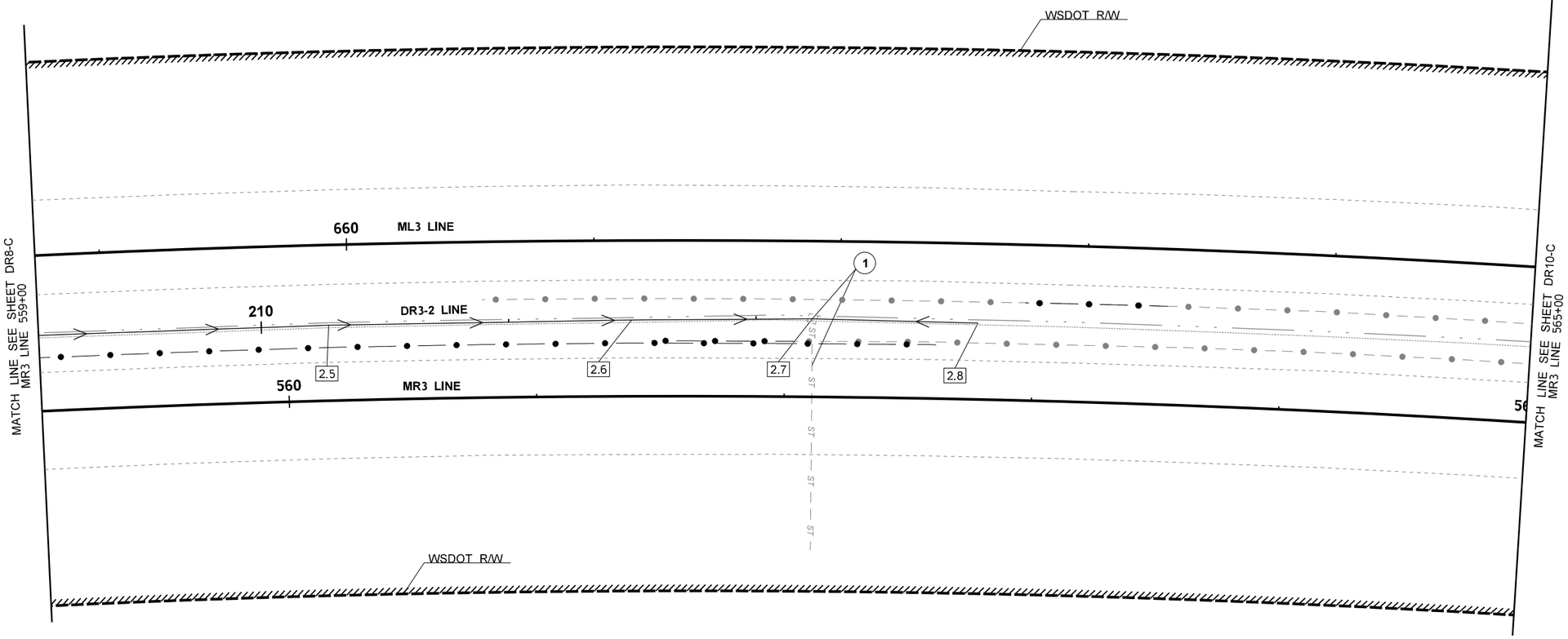
PLAN REF NO DR8-C

SHEET 653 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_008.dgn

ROADSIDE DITCH ALIGNMENTS

POINT #	ALIGNMENT	STATION	NORTHING	EASTING	BEARING	LENGTH	ELEVATION
2.5	DR3-2	210+27.26	948994.5	1241850.4	N 70°56'52" E	122.38	-
2.6	DR3-2	211+49.64	949034.4	1241966.1	N 71°33'11" E	73.12	-
2.7	DR3-2	212+22.76	949057.5	1242035.4	N 73°26'43" E	66.97	35.69
2.8	DR3-2	212+89.73	949076.6	1242099.6	-	-	36.07



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

0 25 50
SCALE IN FEET

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.
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US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_DR_009.dgn
TIME	4:33:38 PM
DATE	12/14/2022
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

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

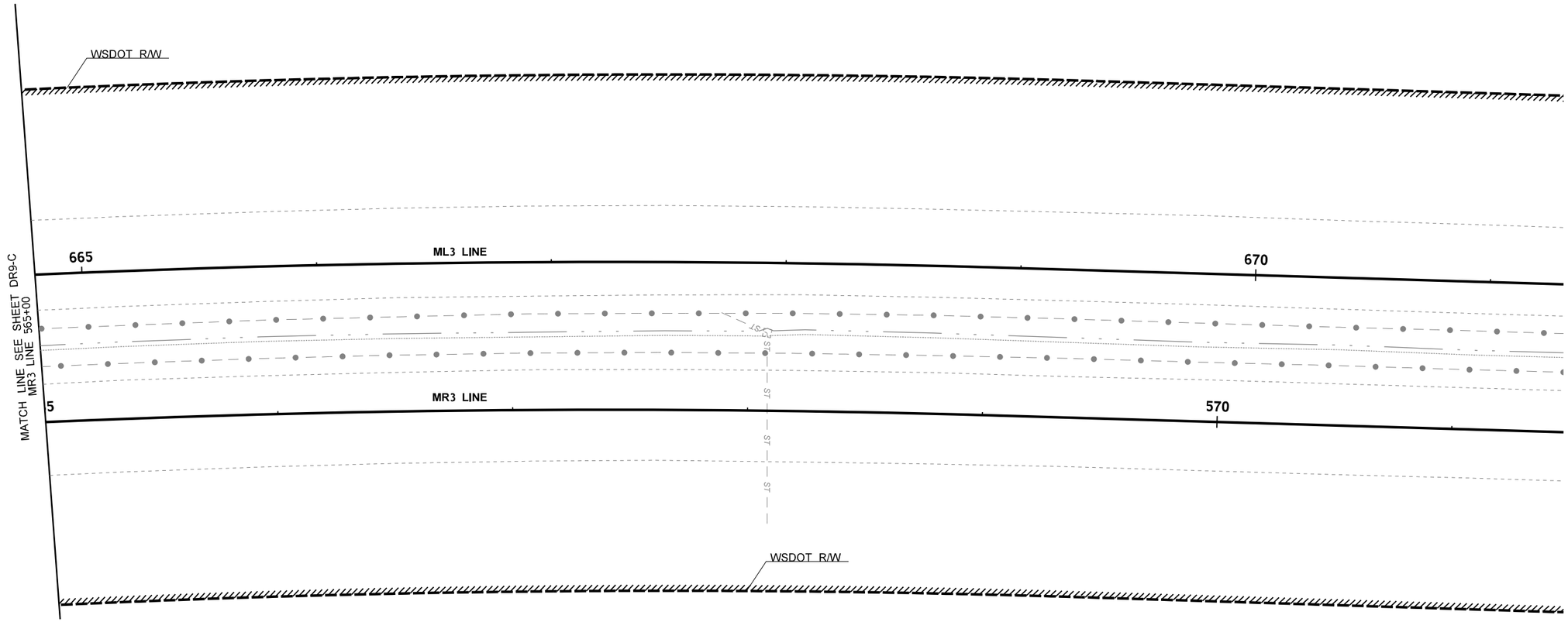
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PLAN

PLAN REF NO DR9-C

SHEET 654 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_DR_009.dgn



LEGEND

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

NOTES:

1. FOR DRAINAGE PROFILES, SEE DRAINAGE PROFILE (DP) SHEETS.
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022
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
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 PLAN

PLAN REF NO DR10-C
SHEET 655 OF 1241 SHEETS

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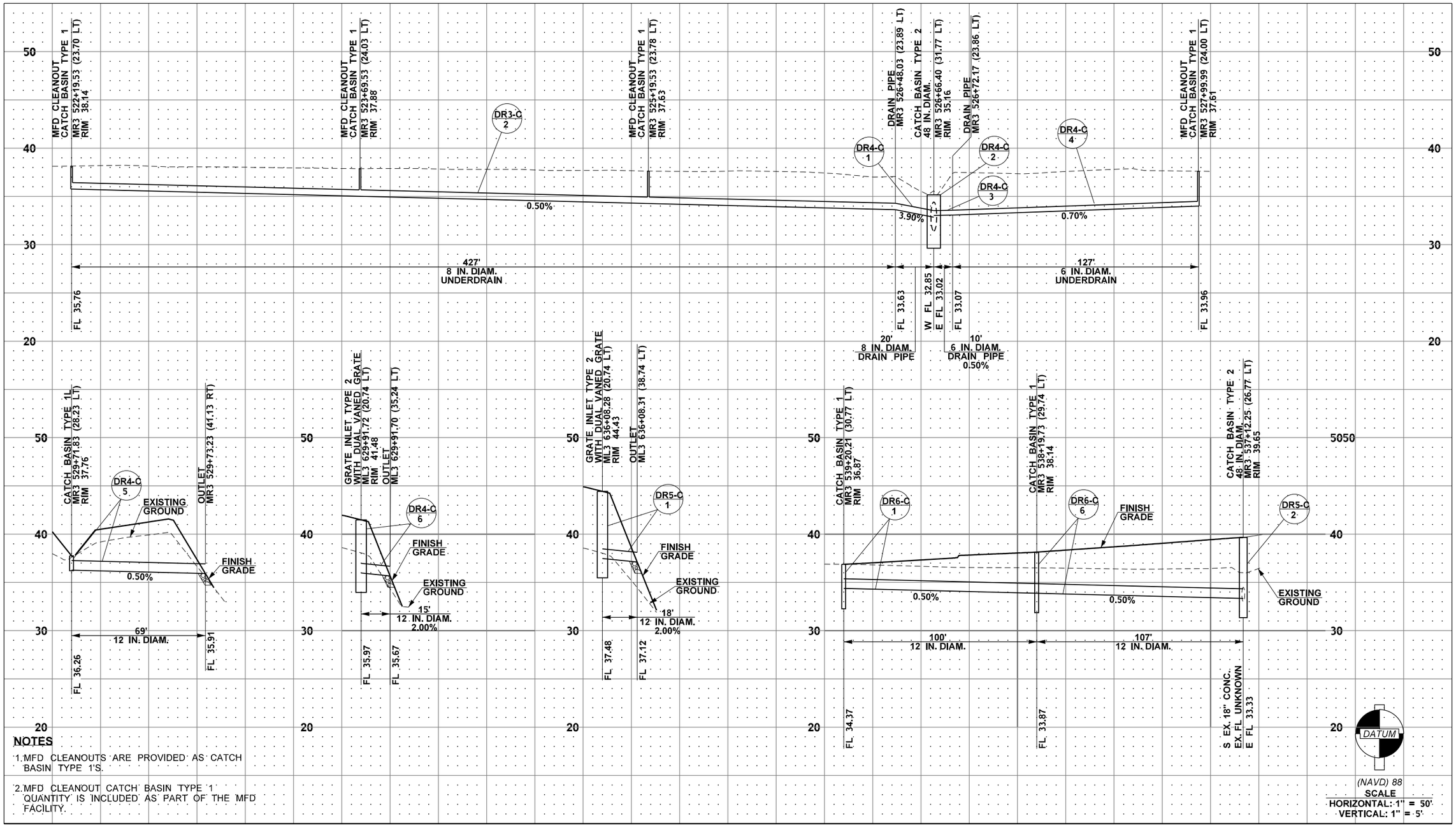

NOTES

1. MFD CLEANOUTS ARE PROVIDED AS CATCH BASIN TYPE 1'S.
2. MFD CLEANOUT CATCH BASIN TYPE 1 QUANTITY IS INCLUDED AS PART OF THE MFD FACILITY.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:34:04 PM
DATE	12/14/2022
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		LOCATION NO.
CONTRACT NO. XL6115		

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.

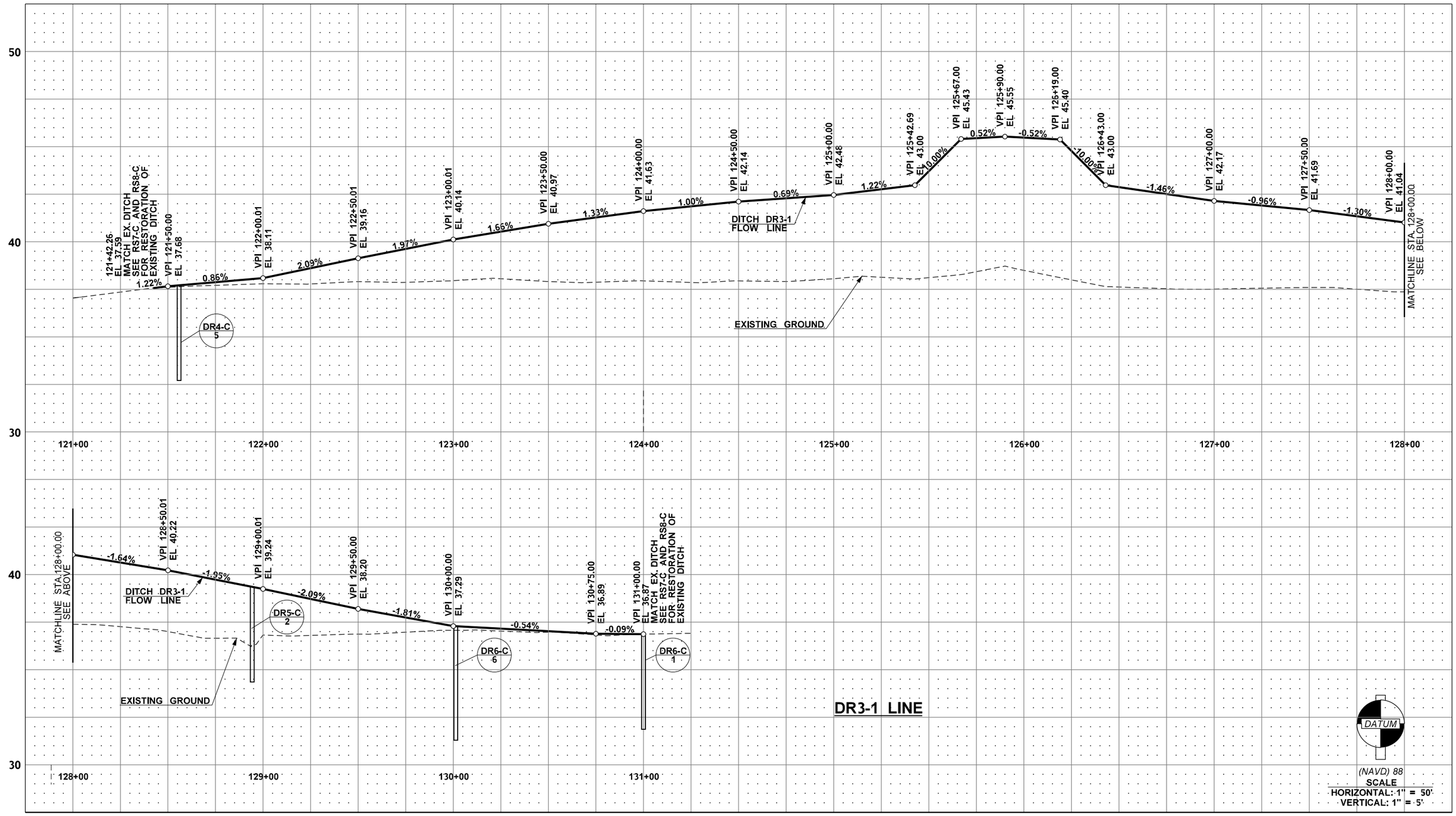
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE PROFILE

PLAN REF. NO. DP1-C

SHEET 656 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TrtbToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PR_DR_001.dgn



US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

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

REVISION | DATE | BY

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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
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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-C

SHEET 657 OF 1241 SHEETS

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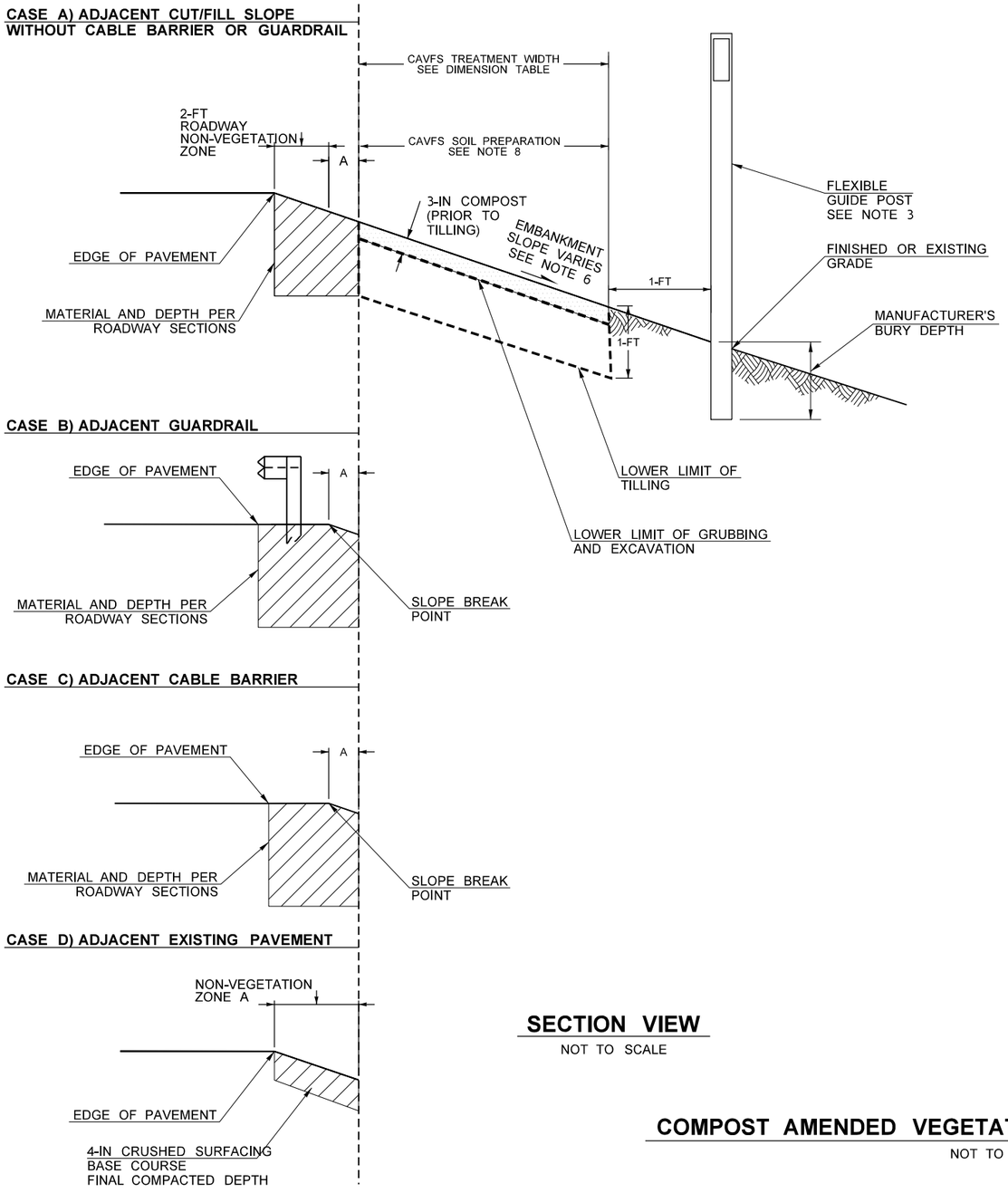

SECTION VIEW

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
DR3-C-1	ML3 620+66.47 (LT) TO ML3 628+60.07 (LT)	787	2	VARIES (4:1)	1 (CASE A) 3 (CASE D)
DR6-C-4	ML3 642+13.61 (LT) TO ML3 653+20.47 (LT)	1106	2	VARIES (6:1)	3 (CASE D)
DR6-C-7	ML3 642+79.33 (RT) TO ML3 647+49.87 (RT)	471	2	VARIES (11.3:1)	1 (CASE C)
DR6-C-2	MR3 540+20.00 (LT) TO MR3 543+07.94 (LT)	288	4	VARIES (9.2:1)	1 (CASE A) 3 (CASE D)
DR6-C-3	MR3 543+07.94 (LT) TO MR3 548+66.28 (LT)	558	2	VARIES(8.2:1)	3 (CASE D)
DR6-C-5	MR3 542+13.15 (RT) TO MR3 554+24.97 (RT)	1212	2	4:1	3 (CASE D)
DR6-C-8	MR3 538+99.45 (LT) TO MR3 540+20.00 (LT)	120	2	VARIES (3:1)	1 (CASE A)

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. FOR LOCATION OF COMPOST AMENDED VEGETATED FILTER STRIPS (CAVFS), SEE DRAINAGE SHEETS DR3-C TO DR4-C AND DR6-C TO DR8-C.
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 LANDSCAPING PLAN.
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 PER APPROVAL FROM WSDOT.
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 AND GUARDRAIL LOCATIONS, SEE ROADWAY SECTIONS.
10. SPREADER MATERIAL IS INCLUDED IN THE ROADWAY SUBBASE QUANTITIES WHERE NEW FULL DEPTH PAVEMENT SECTION, GUARDRAIL, OR CABLE BARRIER INSTALLATION IS PROPOSED.

COMPOST AMENDED VEGETATED FILTER STRIP (CAVFS)

NOT TO SCALE

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO
DD1-C

SHEET 658 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_DD_001.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	4:34:15 PM				JOB NUMBER 21C522		
DATE	12/14/2022						
PLOTTED BY	Fts						
DESIGNED BY	T. HEW				CONTRACT NO. XL6115		LOCATION NO.
ENTERED BY	J. GLOVATCHI						
CHECKED BY	L. THOMSEN						
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

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

LAWRENCE JOSEPH HEW, STATE OF WASHINGTON, 20119899, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

OSBORN CONSULTING ENGINEERS

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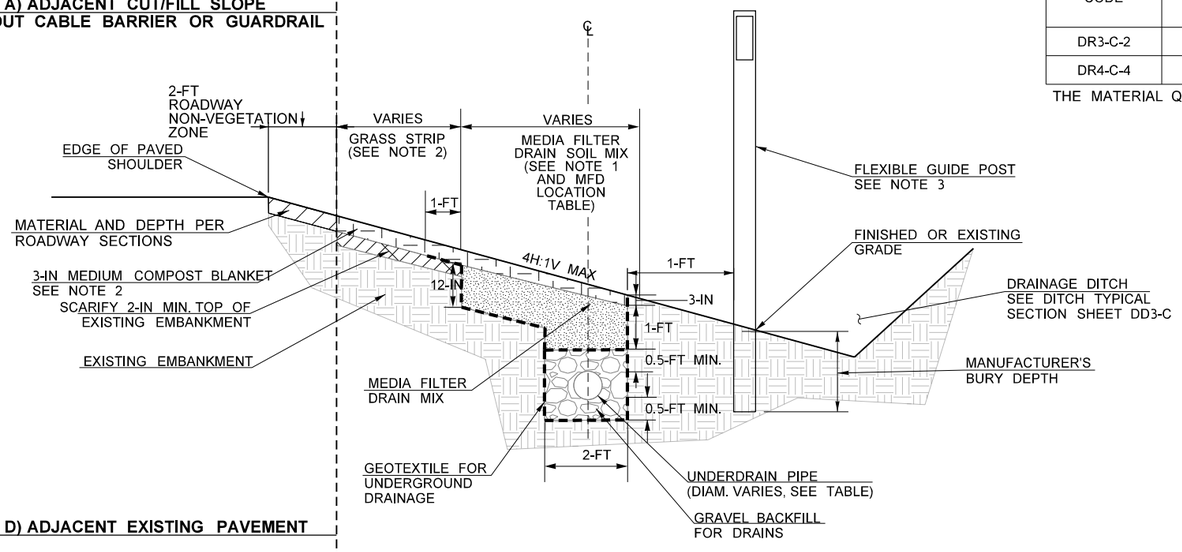
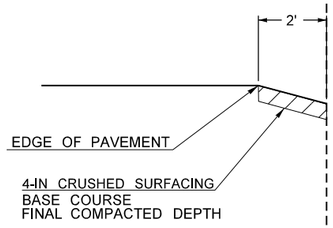
CASE A) ADJACENT CUT/FILL SLOPE WITHOUT CABLE BARRIER OR GUARDRAIL



CASE D) ADJACENT EXISTING PAVEMENT



MEDIA FILTER DRAIN TYPE 1

SIDE SLOPE APPLICATION WITH UNDERDRAIN
NOT TO SCALE

MFD LOCATION TABLE

STRUCTURE CODE	MFD TYPE	LOCATION	LENGTH	MEDIA FILTER DRAIN SOIL MIX WIDTH	UNDER-DRAIN DIAM.	GRASS STRIP
			FEET	FEET	INCHES	FEET
DR3-C-2	1	MR3 522+19.53 (23.7 LT) TO 526+48.03 (23.9 LT)	427	4	8	3
DR4-C-4	1	MR3 526+72.17 (23.9 LT) TO 527+99.99 (24.0 LT)	127	4	6	3

THE MATERIAL QUANTITIES FOR THE SPREADER IS INCLUDED IN THE ROADWAY SUBBASE QUANTITIES FOR CASES A, B, C AND D.

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 INSTALLTION IS PROPOSED.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD2-C

SHEET 659 OF 1241 SHEETS

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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 | 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.

OSBORN CONSULTING INCORPORATED

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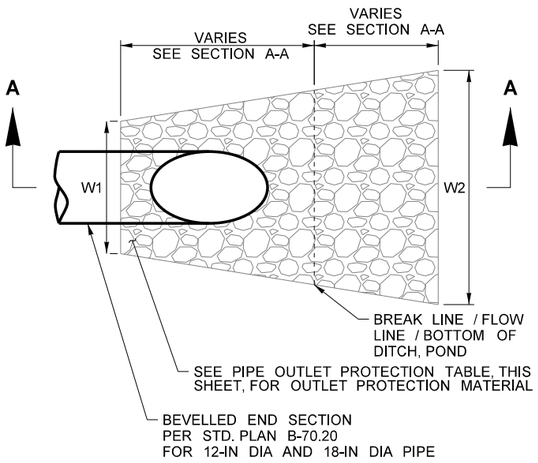
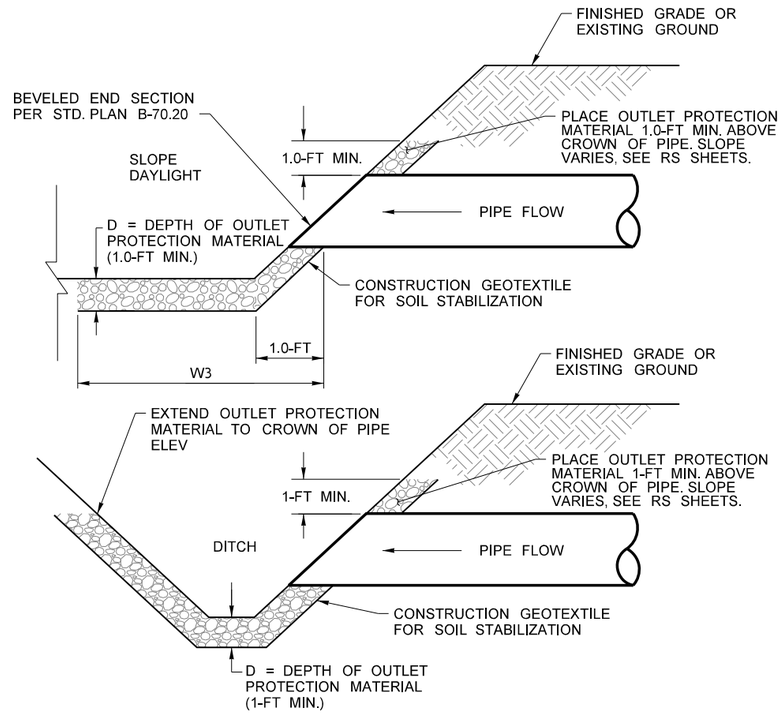


NOTES:

OUTLET PROTECTION MATERIAL 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.

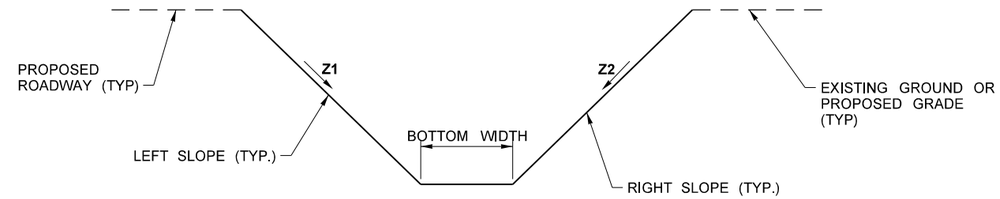


SECTION A-A

OUTLET PROTECTION						
STR NO	PIPE DIAM.	W1	W2	W3	D	OUTLET PROTECTION MATERIAL
	INCHES	FEET	FEET	FEET	FEET	
DR4-C-5	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR4-C-6	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR5-C-1	12	3.0	9.0	9.0	1.5	QUARRY SPALLS
DR5-C-3	6	2.0	3.0	2.0	1.0	QUARRY SPALLS
DR5-C-4	6	2.0	3.0	2.0	1.0	QUARRY SPALLS
DR5-C-5	6	2.0	3.0	2.0	1.0	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-C	DR3-1	DR3-1 104+43 TO 105+41	2.00	10:1	8:1
DR2-C TO DR3-C	DR3-1	DR3-1 105+41 TO 109+97	2.00	7:1	7:1
DR3-C TO DR4-C	DR3-1	DR3-1 109+97 TO 118+53	2.00	9:1	9:1
DR4-C	DR3-1	DR3-1 118+53 TO 121+56	2.00	6.25:1	6.25:1
DR4-C TO DR5-C	DR3-1	DR3-1 121+56 TO 125+75	2.00	4:1	6.25:1
DR5-C	DR3-1	DR3-1 125+75 TO 128+91	0.00	4:1	4:1
DR5-C TO DR6-C	DR3-1	DR3-1 128+91 TO 130+82	0.00	5:1	5:1
DR6-C	DR3-1	DR3-1 130+82 TO 132+72	0.00	4:1	41
DR8-C	DR3-2	DR3-2 203+02 TO 205+31	2.00	6.25:1	9:1
DR8-C TO DR9-C	DR3-2	DR3-2 205+31 TO 212+23	2.00	7:1	6:1
DR9-C	DR3-2	DR3-2 212+23 TO 212+90	2.00	6.25:1	6.25:1

DITCH TYPICAL SECTION

NOT TO SCALE

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

DRAINAGE DETAILS

PLAN REF NO DD3-C

SHEET 660 OF 1241 SHEETS

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

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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

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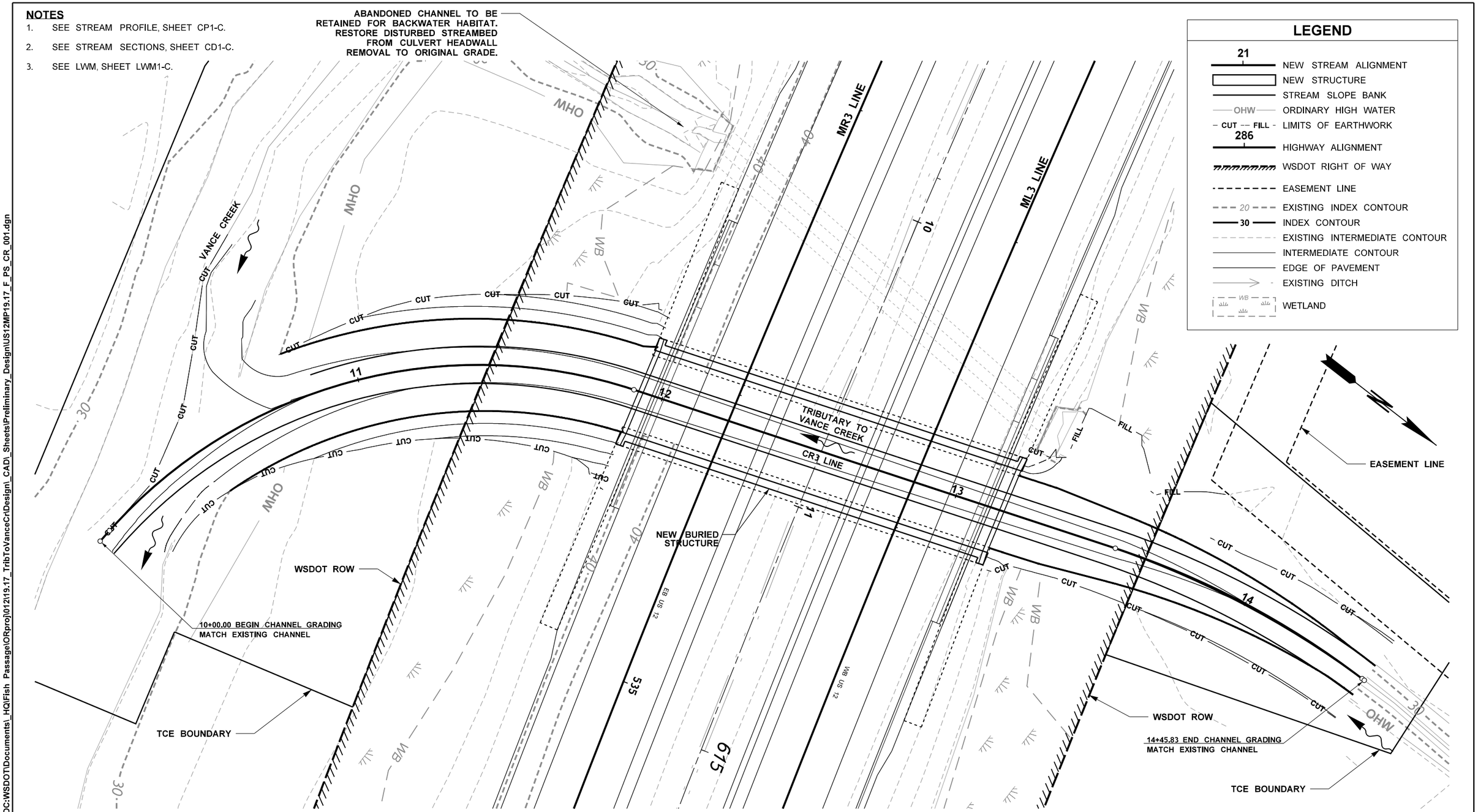
NOTES

1. SEE STREAM PROFILE, SHEET CP1-C.
2. SEE STREAM SECTIONS, SHEET CD1-C.
3. SEE LWM, SHEET LWM1-C.



US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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PLOTTED BY	Fts				JOB NUMBER 21C522		
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
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 CR1-C

SHEET 661 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CADI_Sheets\Preliminary_Design\US12MP19.17_F_PS_CR_001.dgn

NOTES

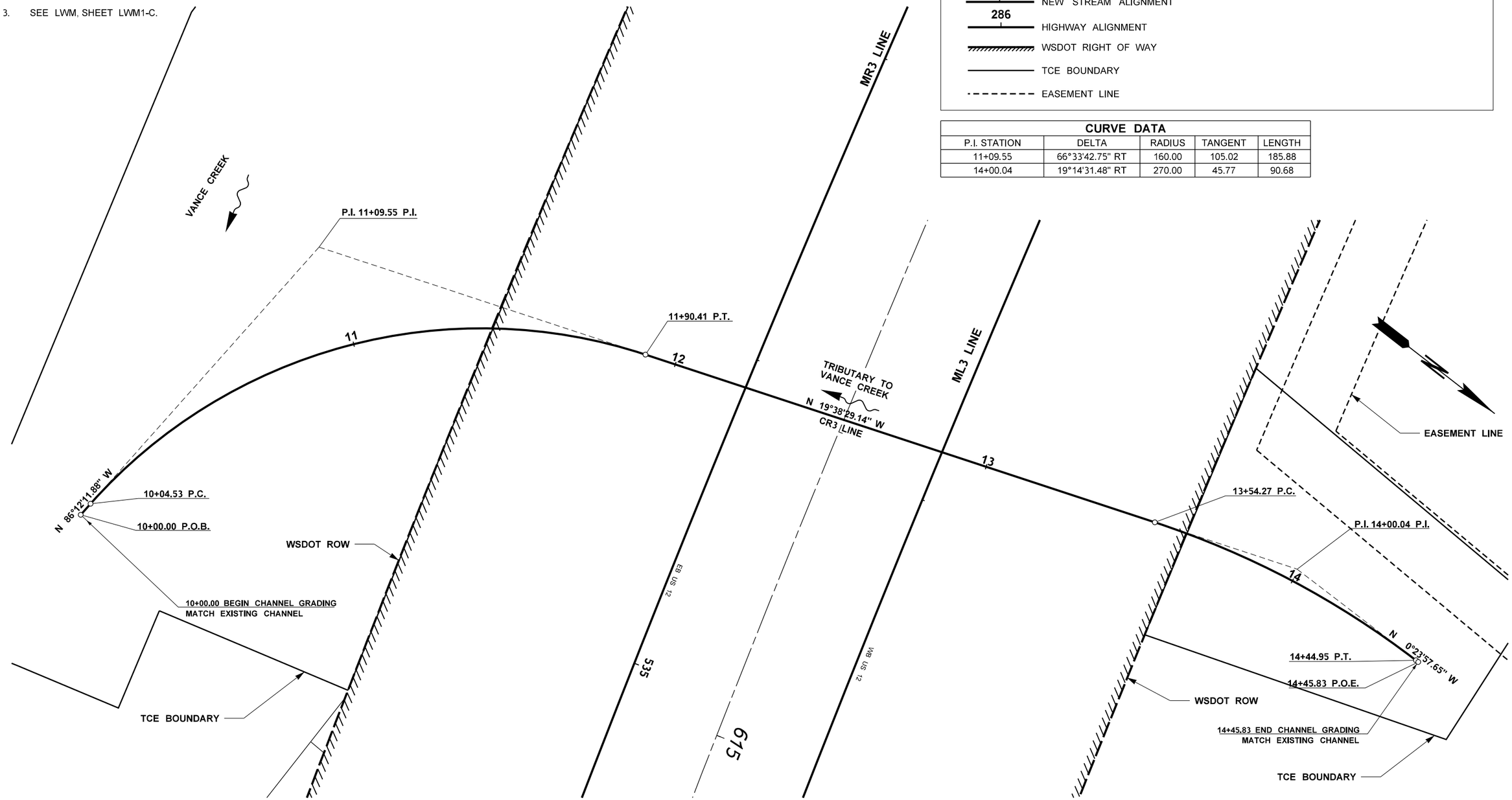
1. SEE STREAM PROFILE, SHEET CP1-C.
2. SEE STREAM SECTIONS, SHEET CD1-C.
3. SEE LWM, SHEET LWM1-C.

LEGEND

21	NEW STREAM ALIGNMENT
286	HIGHWAY ALIGNMENT
	WSDOT RIGHT OF WAY
	TCE BOUNDARY
	EASEMENT LINE

CURVE DATA

P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
11+09.55	66°33'42.75" RT	160.00	105.02	185.88
14+00.04	19°14'31.48" RT	270.00	45.77	90.68



US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DESIGNED BY	K. COMINGS
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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.

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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM PLAN

PLAN REF NO CR2-C

SHEET 662 OF 1241 SHEETS

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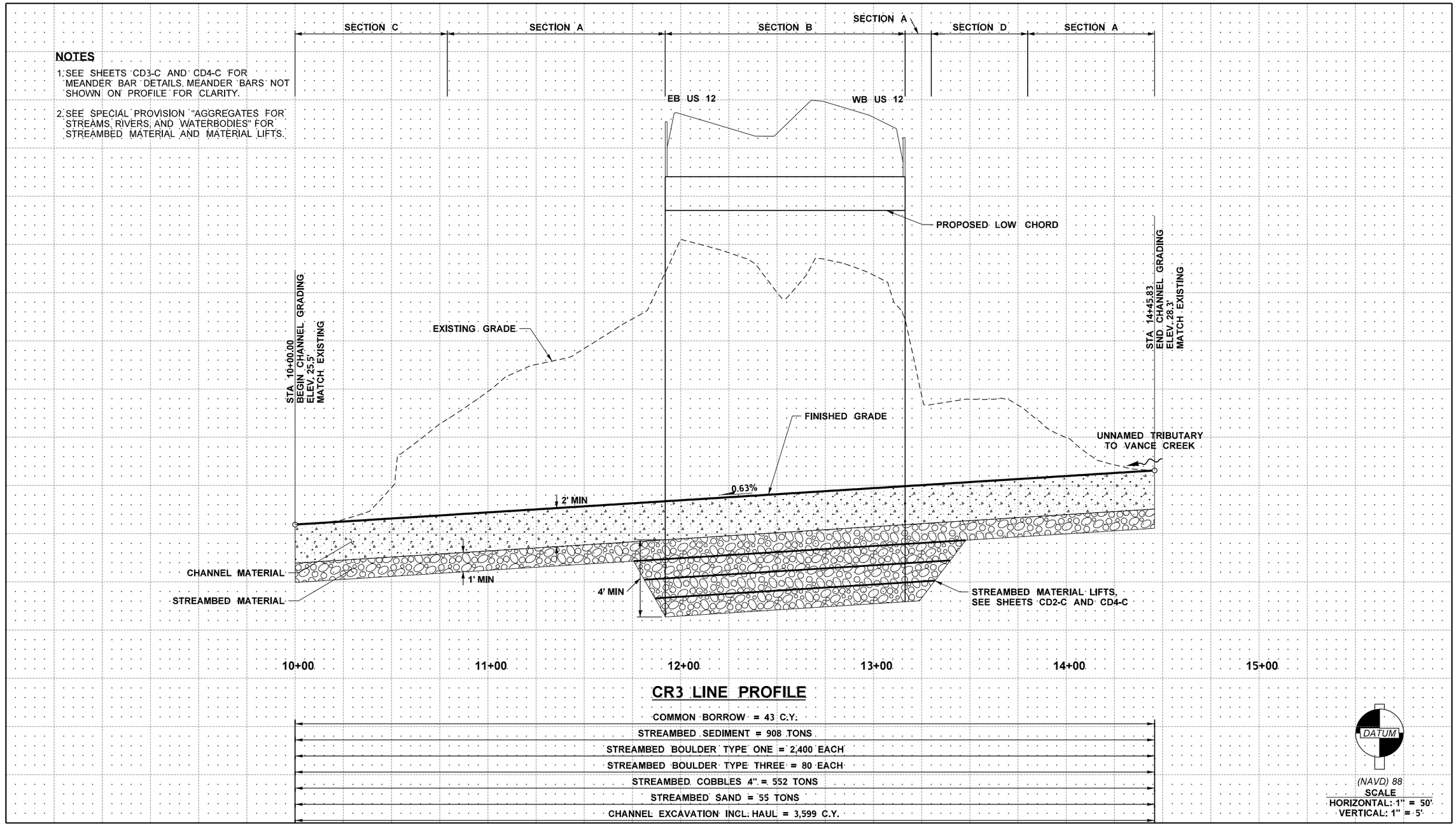
NOTES

1. SEE SHEETS CD3-C AND CD4-C FOR MEANDER BAR DETAILS. MEANDER BARS NOT SHOWN ON PROFILE FOR CLARITY.
2. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.



CR3 LINE PROFILE

COMMON BORROW = 43 C.Y.
STREAMBED SEDIMENT = 908 TONS
STREAMBED BOULDER TYPE ONE = 2,400 EACH
STREAMBED BOULDER TYPE THREE = 80 EACH
STREAMBED COBBLES 4" = 552 TONS
STREAMBED SAND = 55 TONS
CHANNEL EXCAVATION INCL. HAUL = 3,599 C.Y.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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

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10	WASH	ARPA001
JOB NUMBER 21C522		
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KAREN J. COMINGS, STATE OF WASHINGTON, 41793, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
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STREAM PROFILE

PLAN REF. NO. CP1-C

SHEET 663 OF 1241 SHEETS

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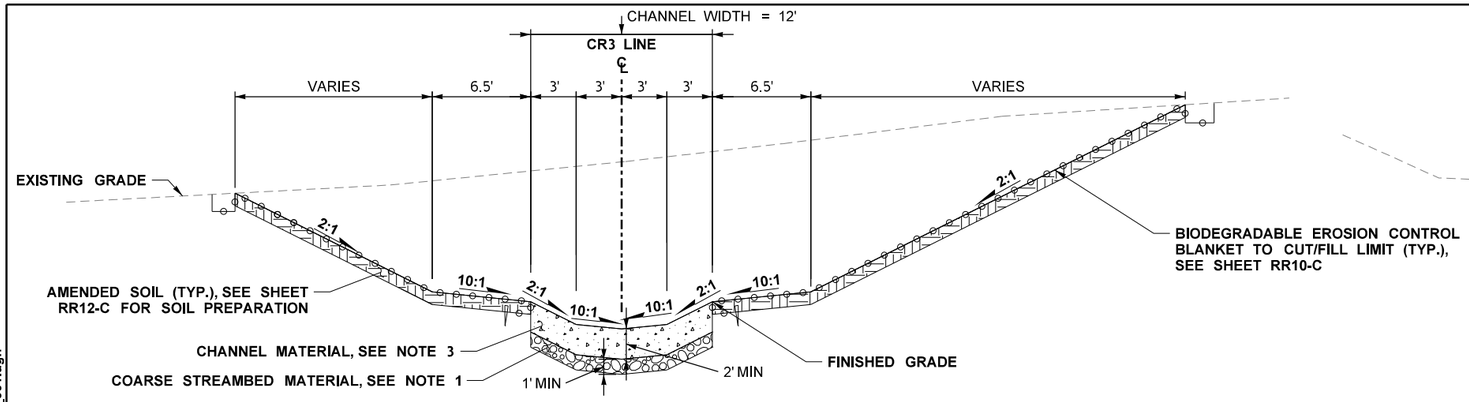
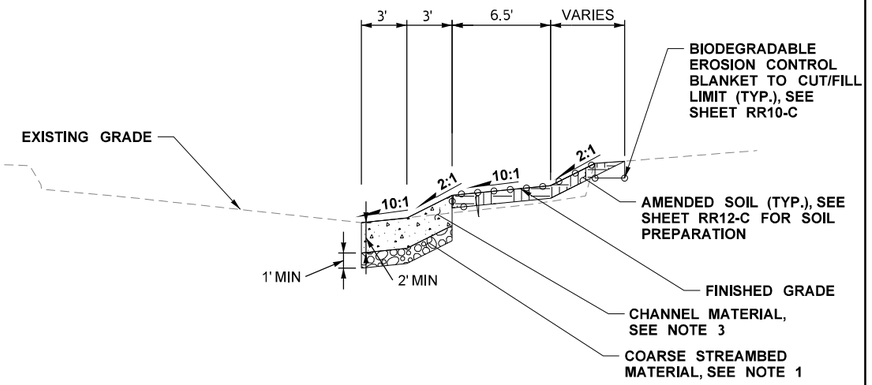


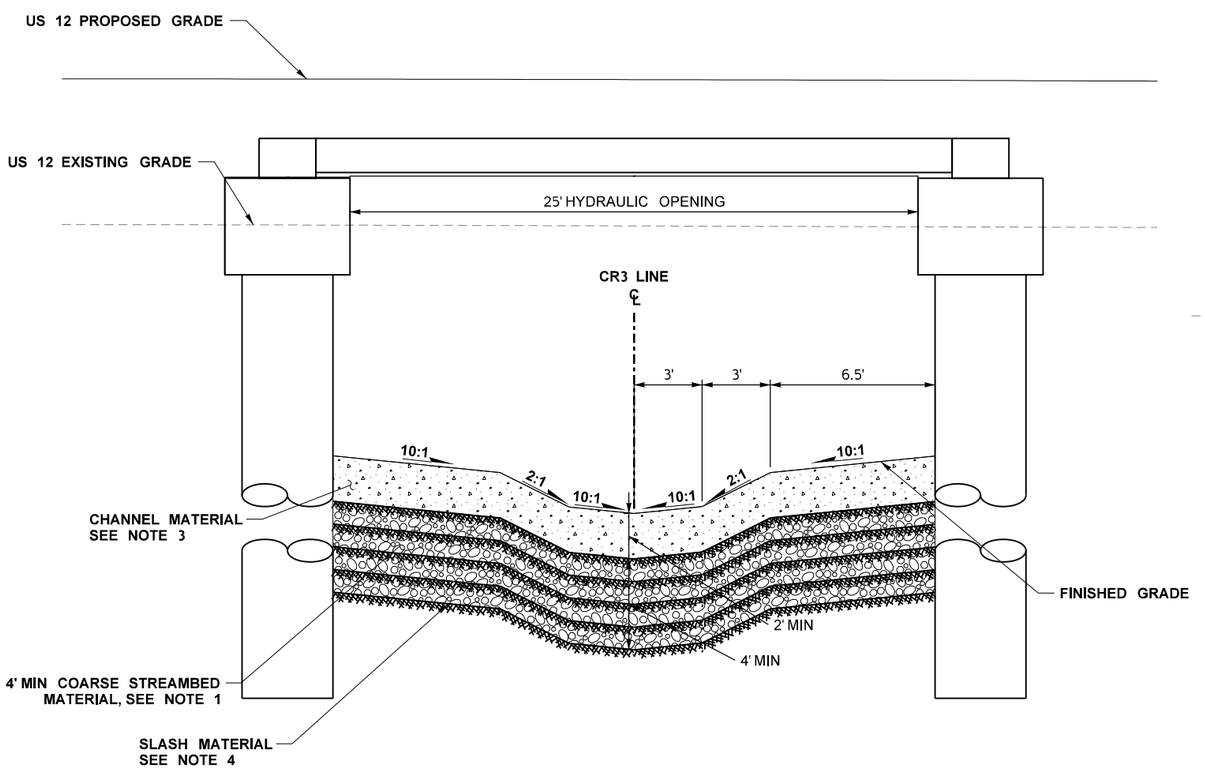
SECTION A - TYPICAL OPEN CHANNEL

CR3 10+79.00 TO CR3 11+91.98
CR3 13+16.38 TO CR3 13+30.00
CR3 13+80.00 TO CR3 14+45.83
NTS



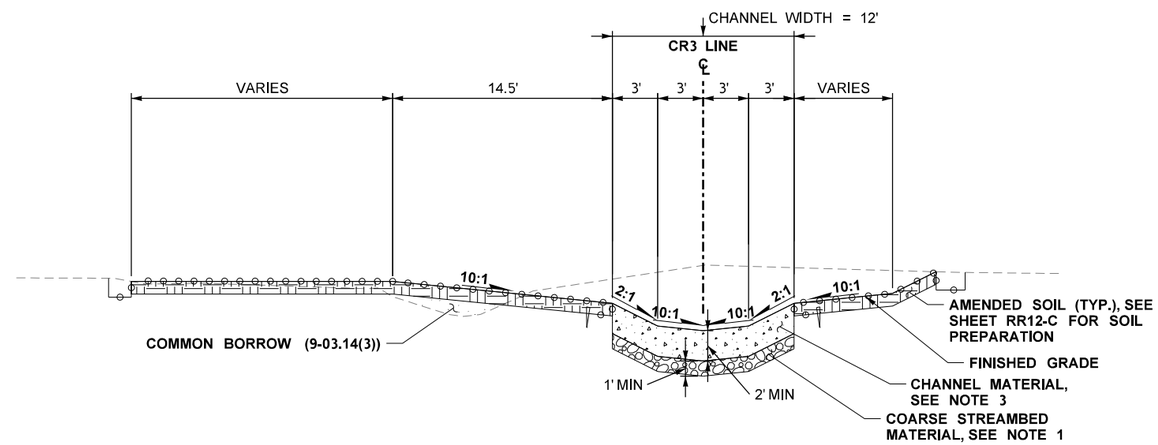
SECTION C - TRANSITION

CR3 10+00.00 TO CR3 10+79.00
NTS



SECTION B - TYPICAL SECANT PILE BURIED STRUCTURE

CR3 11+91.98 TO CR3 13+16.38
NTS



SECTION D - FILL EXISTING CHANNEL

CR3 13+30.00 TO CR3 13+80.00
NTS

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 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 CD2-C FOR SLASH PLACEMENT DETAILS.
5. SEE SPECIAL PROVISION "AGGREGATES FOR STREAMS, RIVERS, AND WATERBODIES" FOR STREAMBED MATERIAL AND MATERIAL LIFTS.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_CR_001.dgn
TIME	10:26:34 AM
DATE	12/14/2022
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.

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

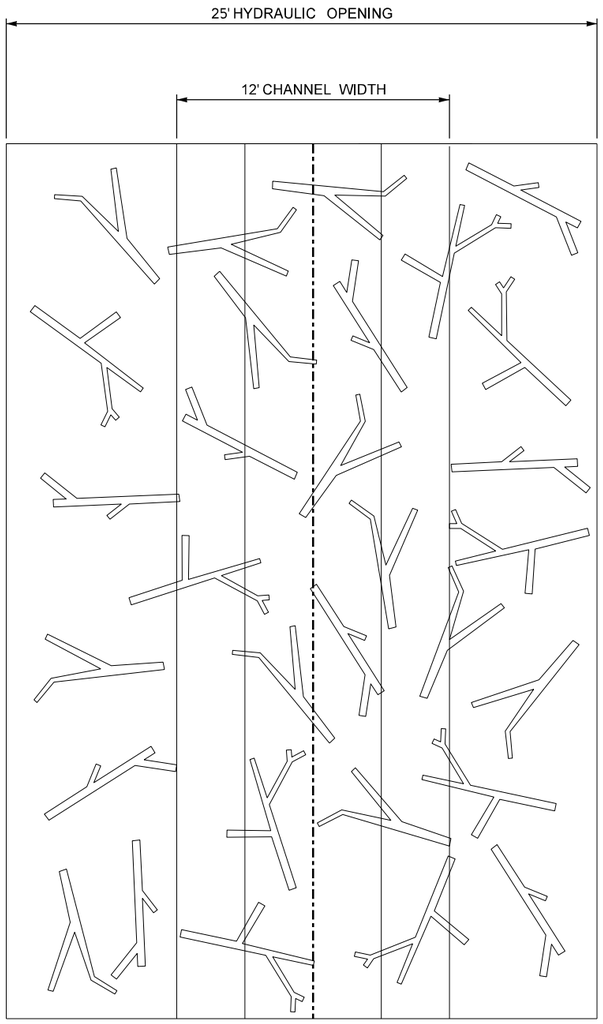
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

STREAM DETAILS

PLAN REF NO CD1-C

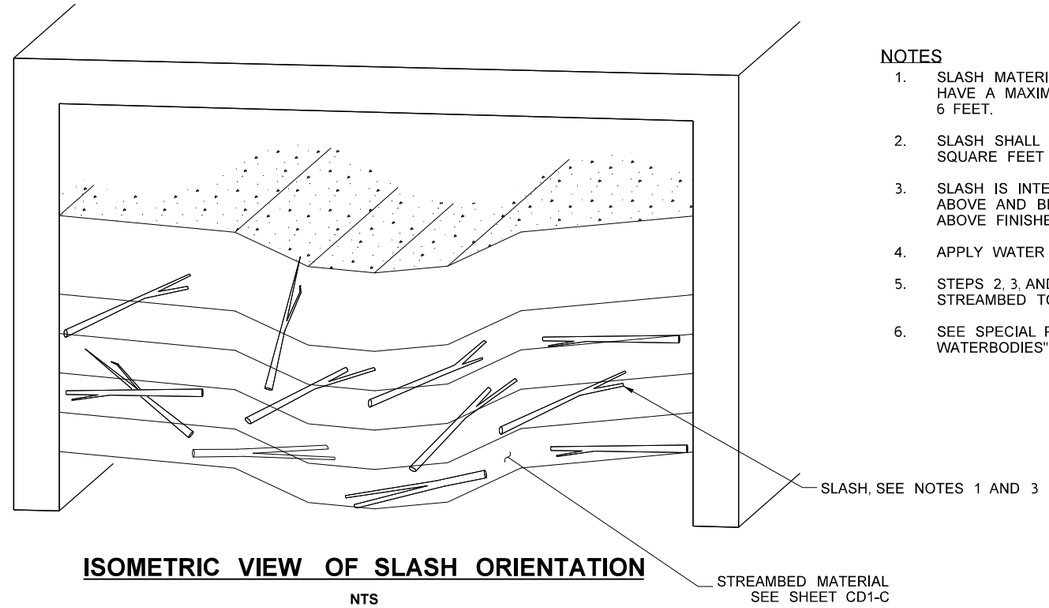
SHEET 664 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_CR_001.dgn



PLAN VIEW PER 1,000 SQUARE FEET

NTS

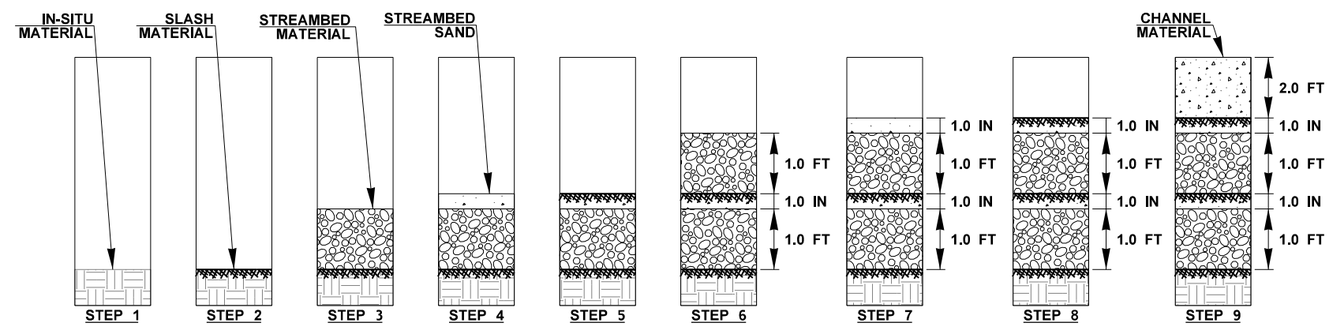


ISOMETRIC VIEW OF SLASH ORIENTATION

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.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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.

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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SLASH DETAILS

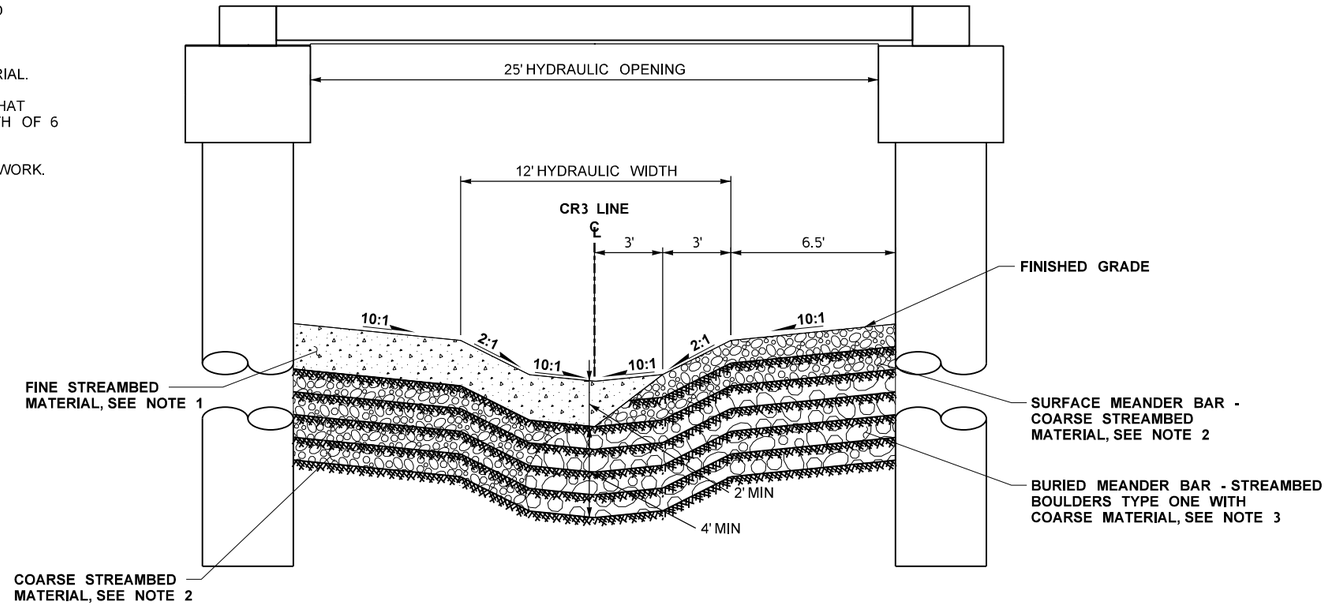
PLAN REF NO CD2-C

SHEET 665 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CADI_Sheets\Preliminary_Design\US12MP19.17_F_DE_CR_002.dgn

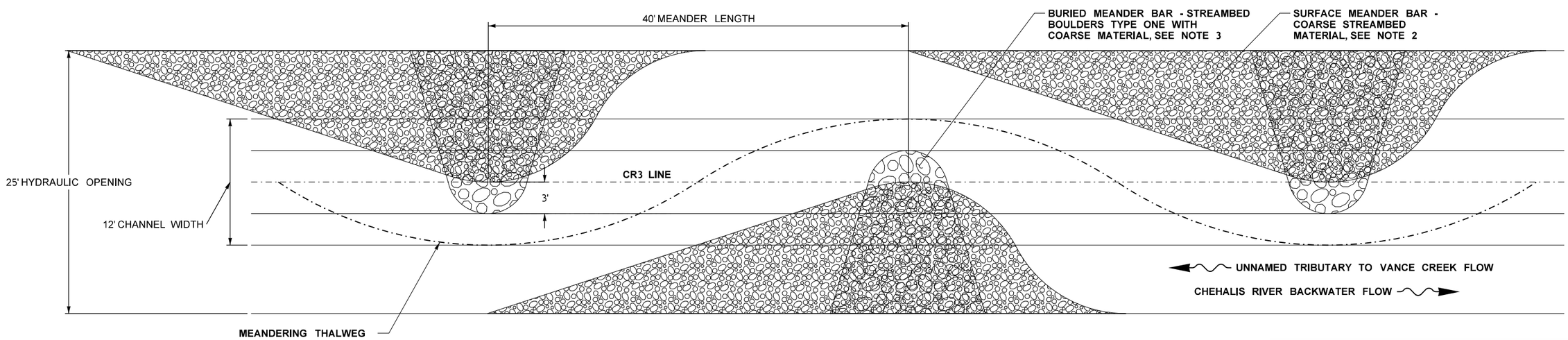
NOTES

1. FINE STREAMBED MATERIAL SHALL CONSIST OF EXISTING MATERIAL RESERVED FROM CHANNEL EXCAVATION.
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 CD4-C 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

NTS



US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

MEANDER BAR DETAILS

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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.

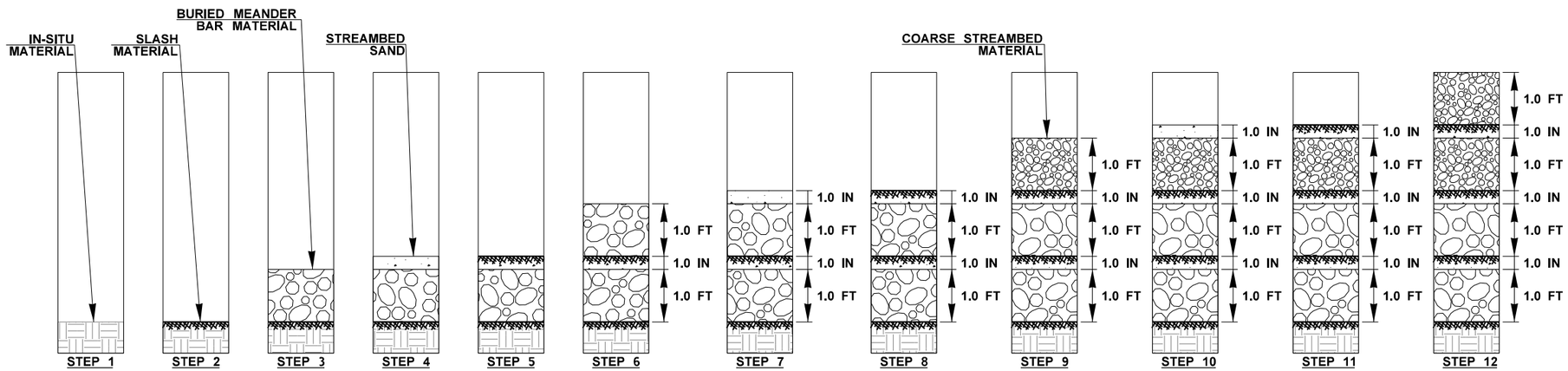
PLAN REF NO CD3-C

SHEET 666 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_CR_003.dgn

NOTES

1. 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)).
2. BURIED MEANDER BAR SHALL CONSIST OF STREAMBED BOULDERS TYPE ONE (9-03.11(3)) BACKFILLED WITH COARSE STREAMBED MATERIAL.
3. SLASH MATERIAL SHALL CONSIST OF SMALL LOGS OR BRANCHES THAT HAVE A MAXIMUM DIAMETER OF 4 INCHES AND A MAXIMUM LENGTH OF 6 FEET.
4. SLASH SHALL BE INSTALLED AT A DENSITY OF 30 PIECES PER 1000 SQUARE FEET PER LAYER.
5. 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.
6. APPLY WATER TO SAND LAYERS TO FACILITATE FILLING INTERSTITIAL VOIDS.
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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/14/2022						
PLOTTED BY	Fts				JOB NUMBER 21C522		
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

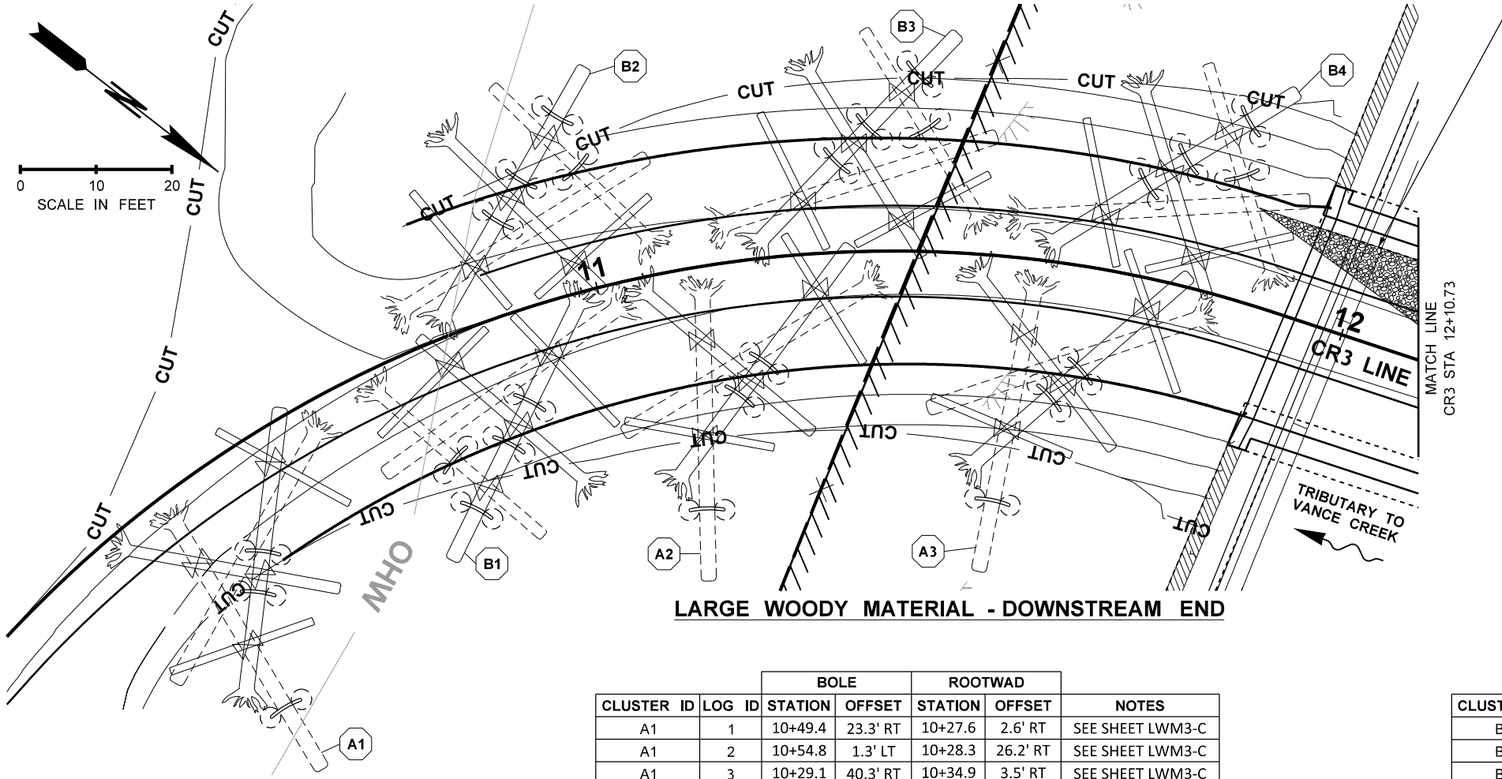
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

MEANDER BAR DETAILS

PLAN REF NO CD4-C

SHEET 667 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_CR_004.dgn



LARGE WOODY MATERIAL - DOWNSTREAM END

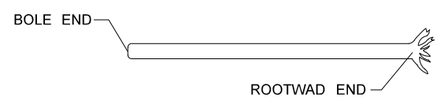
LEGEND

- 24" MIN DIA. 40' MIN. LENGTH, WITH ROOTWAD (17 TOTAL)
- 18" MIN DIA. 30' MIN. LENGTH, WITH ROOTWAD (11 TOTAL)
- 12" MIN DIA. 20' MIN. LENGTH, WITHOUT ROOTWAD (14 TOTAL)
- ROCK COLLAR - BOULDER TYPE THREE (50 TOTAL BOULDERS), SEE SHEET LWM7-C
- CABLE LASHING, SEE SHEET LWM6-C
- CLUSTER ID, SEE SHEETS LWM3-C, LWM4-C, AND LWM5-C

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
- 20 — EXISTING INDEX CONTOUR
- 30 — INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- INTERMEDIATE CONTOUR
- EDGE OF PAVEMENT
- EXISTING DITCH
- WB — WETLAND

		BOLE		ROOTWAD		
CLUSTER ID	LOG ID	STATION	OFFSET	STATION	OFFSET	NOTES
A1	1	10+49.4	23.3' RT	10+27.6	2.6' RT	SEE SHEET LWM3-C
A1	2	10+54.8	1.3' LT	10+28.3	26.2' RT	SEE SHEET LWM3-C
A1	3	10+29.1	40.3' RT	10+34.9	3.5' RT	SEE SHEET LWM3-C
A1	4	10+20.5	19.9' RT	10+57.3	4.2' RT	SEE SHEET LWM3-C
A1	5	10+43.0	24.7' RT	10+20.9	17.8' RT	SEE SHEET LWM3-C
A1	6	10+57.3	14.5' RT	10+46.4	3.4' LT	SEE SHEET LWM3-C
B1	1	10+75.3	1.1' LT	10+90.5	23.9' RT	SEE SHEET LWM4-C
B1	2	10+66.6	27.3' RT	10+97.3	1.5' RT	SEE SHEET LWM4-C
B1	3	10+81.8	29.1' RT	10+67.8	3.4' RT	SEE SHEET LWM4-C
B1	4	10+63.3	13.1' RT	11+02.2	3.3' RT	SEE SHEET LWM4-C
B1	5	10+65.2	8.3' RT	10+84.5	0.9' RT	SEE SHEET LWM4-C
B1	6	10+98.0	18.1' RT	10+88.3	0.3' RT	SEE SHEET LWM4-C
B2	1	11+00.9	0.7' RT	10+87.7	24.4' LT	SEE SHEET LWM4-C
B2	2	11+04.7	28.9' LT	10+79.9	2.9' LT	SEE SHEET LWM4-C
B2	3	10+94.1	29.34' LT	11+07.9	4.9' LT	SEE SHEET LWM4-C
B2	4	11+09.8	15.4' LT	10+75.5	5.5' LT	SEE SHEET LWM4-C
B2	5	11+09.1	10.4' LT	10+91.9	1.1' LT	SEE SHEET LWM4-C
B2	6	10+81.6	19.5' LT	10+88.2	0.7' LT	SEE SHEET LWM4-C
A2	1	11+27.1	23.4' RT	11+06.2	2.1' RT	SEE SHEET LWM3-C
A2	2	11+33.8	0.9' LT	11+05.7	26.2' RT	SEE SHEET LWM3-C
A2	3	11+06.5	41.0' RT	11+13.7	3.4' RT	SEE SHEET LWM3-C
A2	4	10+98.5	19.4' RT	11+36.3	4.35' RT	SEE SHEET LWM3-C
A2	5	11+20.9	24.9' RT	10+99.2	17.9' RT	SEE SHEET LWM3-C
A2	6	11+35.2	14.8' RT	11+25.3	3.0' LT	SEE SHEET LWM3-C



		BOLE		ROOTWAD		
CLUSTER ID	LOG ID	STATION	OFFSET	STATION	OFFSET	NOTES
B3	1	11+43.4	0.7' RT	11+29.7	24.2' LT	SEE SHEET LWM4-C
B3	2	11+46.7	28.9' LT	11+22.3	2.5' LT	SEE SHEET LWM4-C
B3	3	11+36.2	29.2' LT	11+50.4	5.3' LT	SEE SHEET LWM4-C
B3	4	11+51.9	16.0' LT	11+18.0	5.2' LT	SEE SHEET LWM4-C
B3	5	11+51.6	10.8' LT	11+34.7	1.1' LT	SEE SHEET LWM4-C
B3	6	11+23.8	19.4' LT	11+30.5	0.5' LT	SEE SHEET LWM4-C
A3	1	11+73.6	23.0' RT	11+51.2	2.8' RT	SEE SHEET LWM3-C
A3	2	11+78.8	1.9' LT	11+52.5	27.4' RT	SEE SHEET LWM3-C
A3	3	11+54.7	41.9' RT	11+58.8	4.0' RT	SEE SHEET LWM3-C
A3	4	11+44.7	20.9' RT	11+81.5	3.6' RT	SEE SHEET LWM3-C
A3	5	11+67.5	24.9' RT	11+45.2	19.2' RT	SEE SHEET LWM3-C
A3	6	11+81.0	13.8' RT	11+70.0	3.0' LT	SEE SHEET LWM3-C
B4	1	11+81.7	0.8' RT	11+68.4	24.4' LT	SEE SHEET LWM4-C
B4	2	11+85.6	28.8' LT	11+60.6	2.7' LT	SEE SHEET LWM4-C
B4	3	11+74.9	29.3' LT	11+88.8	4.9' LT	SEE SHEET LWM4-C
B4	4	11+90.6	15.4' LT	11+56.2	5.5' LT	SEE SHEET LWM4-C
B4	5	11+90.0	10.3' LT	11+72.8	1.2' LT	SEE SHEET LWM4-C
B4	6	11+62.3	19.4' LT	11+68.9	0.7' LT	SEE SHEET LWM4-C

NOTES:

1. DASHED LINES INDICATE BURIED LOGS.
2. SEE SHEETS LWM3-C, LWM4-C, AND LWM5-C 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL PLAN

PLAN REF NO LWM1-C

SHEET 668 OF 1241 SHEETS

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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

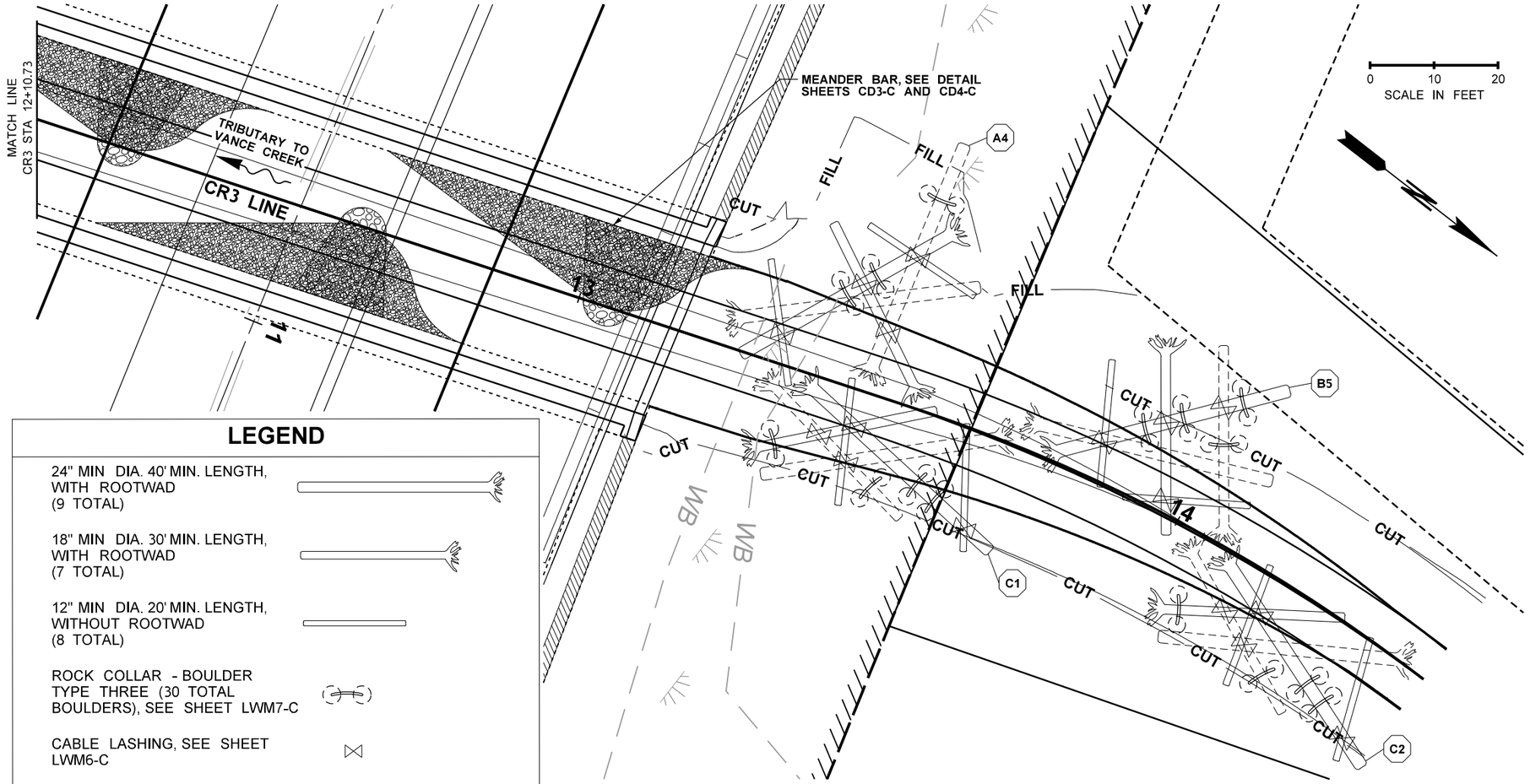
P.E. STAMP BOX

P.E. STAMP BOX DATE

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_LWM_001.dgn



LEGEND

- 24" MIN DIA. 40' MIN. LENGTH, WITH ROOTWAD (9 TOTAL)
- 18" MIN DIA. 30' MIN. LENGTH, WITH ROOTWAD (7 TOTAL)
- 12" MIN DIA. 20' MIN. LENGTH, WITHOUT ROOTWAD (8 TOTAL)
- ROCK COLLAR - BOULDER TYPE THREE (30 TOTAL BOULDERS), SEE SHEET LWM7-C
- CABLE LASHING, SEE SHEET LWM6-C
- CLUSTER ID, SEE SHEETS LWM3-C, LWM4-C, AND LWM5-C (X)

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
- 20 — EXISTING INDEX CONTOUR
- 30 — INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- INTERMEDIATE CONTOUR
- EDGE OF PAVEMENT
- EXISTING DITCH
- WB — WETLAND

LARGE WOODY MATERIAL - UPSTREAM END

		BOLE		ROOTWAD		
CLUSTER ID	LOG ID	STATION	OFFSET	STATION	OFFSET	NOTES
A4	1	13+34.1	23.6' LT	13+54.1	3.1' LT	SEE SHEET LWM3-C
A4	2	13+26.8	0.6' RT	13+52.3	27.7' LT	SEE SHEET LWM3-C
A4	3	13+49.7	41.6' LT	13+46.6	3.6' LT	SEE SHEET LWM3-C
A4	4	13+58.7	21.1' LT	13+25.0	5.1' LT	SEE SHEET LWM3-C
A4	5	13+39.2	25.0' LT	13+58.6	19.4' LT	SEE SHEET LWM3-C
A4	6	13+26.5	15.1' LT	13+35.4	2.8' RT	SEE SHEET LWM3-C
C1	1	13+74.9	16.8' RT	13+38.9	2.0' RT	SEE SHEET LWM5-C
C1	2	13+58.6	0.9' LT	13+33.8	13.5' RT	SEE SHEET LWM5-C
C1	3	13+58.8	17.1' RT	13+33.2	3.5' RT	SEE SHEET LWM5-C
C1	4	13+35.6	17.4' RT	13+69.4	0.2' LT	SEE SHEET LWM5-C
C1	5	13+48.6	18.1' RT	13+44.4	1.4' LT	SEE SHEET LWM5-C
C1	6	13+70.6	18.5' RT	13+63.7	0.4' LT	SEE SHEET LWM5-C

		BOLE		ROOTWAD		
CLUSTER ID	LOG ID	STATION	OFFSET	STATION	OFFSET	NOTES
B5	1	14+00.0	2.8' RT	13+87.0	22.8' LT	SEE SHEET LWM4-C
B5	2	14+05.5	26.3' LT	13+78.3	1.6' LT	SEE SHEET LWM4-C
B5	3	13+94.2	27.8' LT	14+07.1	2.2' LT	SEE SHEET LWM4-C
B5	4	14+09.8	12.7' LT	13+74.3	4.5' LT	SEE SHEET LWM4-C
B5	5	14+08.7	7.7' LT	13+90.6	0.4' RT	SEE SHEET LWM4-C
B5	6	13+80.4	18.3' LT	13+86.8	0.7' RT	SEE SHEET LWM4-C
C2	1	14+45.7	16.4' RT	14+10.3	2.0' RT	SEE SHEET LWM5-C
C2	2	14+30.2	0.6' LT	14+04.7	13.2' RT	SEE SHEET LWM5-C
C2	3	14+30.7	17.1' RT	14+04.4	3.0' RT	SEE SHEET LWM5-C
C2	4	14+06.2	17.2' RT	14+40.9	0.2' LT	SEE SHEET LWM5-C
C2	5	14+20.0	18.6' RT	14+16.1	1.2' LT	SEE SHEET LWM5-C
C2	6	14+42.6	18.4' RT	14+35.4	0.4' LT	SEE SHEET LWM5-C

NOTES:

1. DASHED LINES INDICATE BURIED LOGS.
2. SEE SHEETS LWM3-C, LWM4-C, AND LWM5-C 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_LWM_002.dgn
TIME	10:27:06 AM
DATE	12/14/2022
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.

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

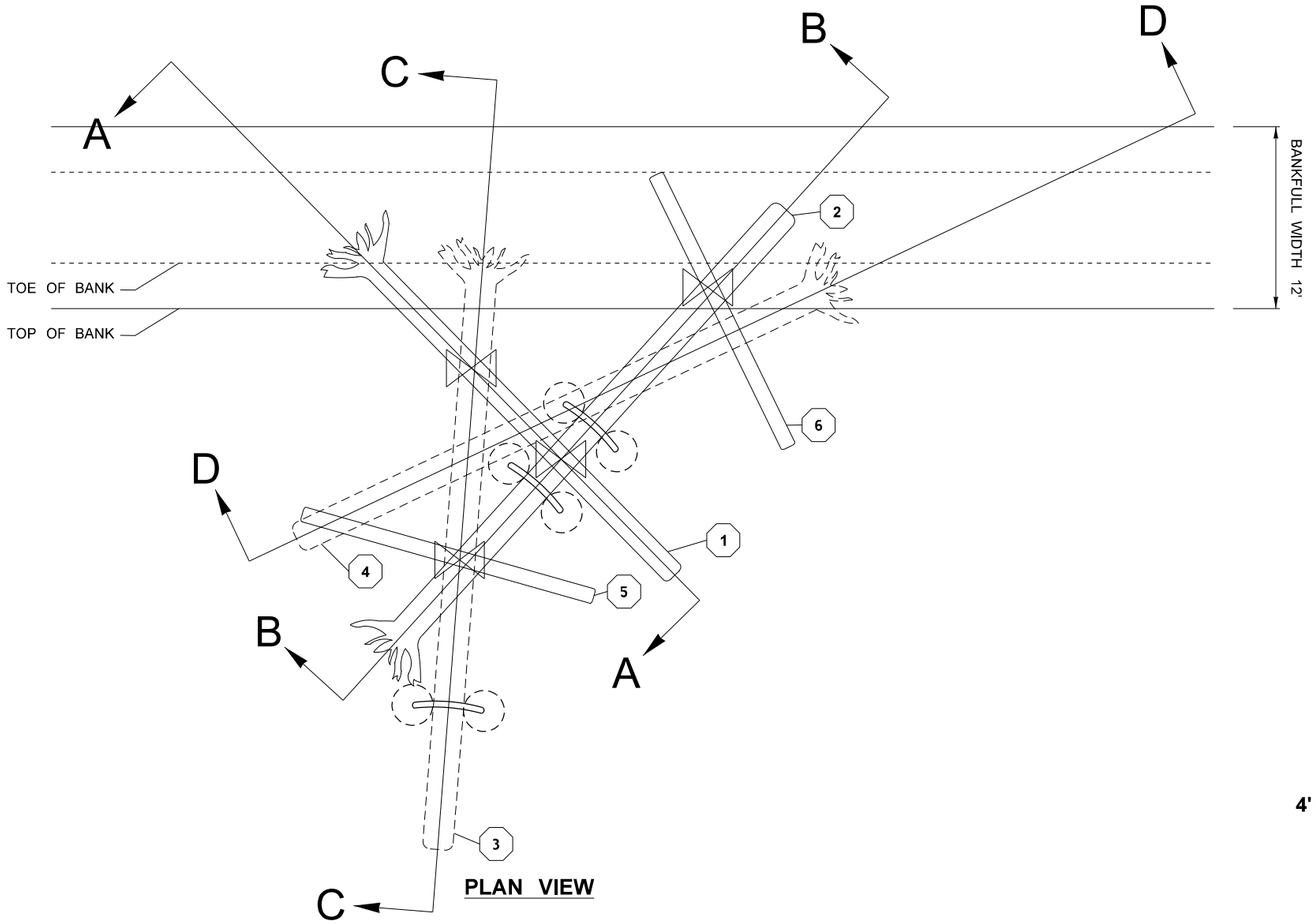
PLAN REF NO LWM2-C

SHEET 669 OF 1241 SHEETS

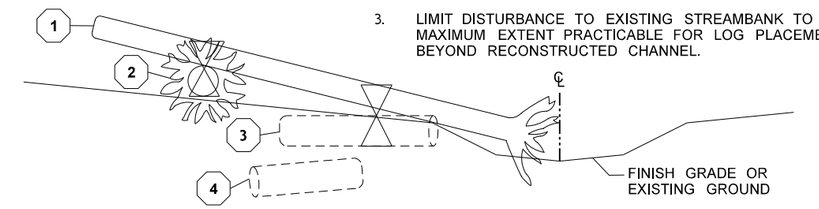
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_LWM_002.dgn

NOTES:

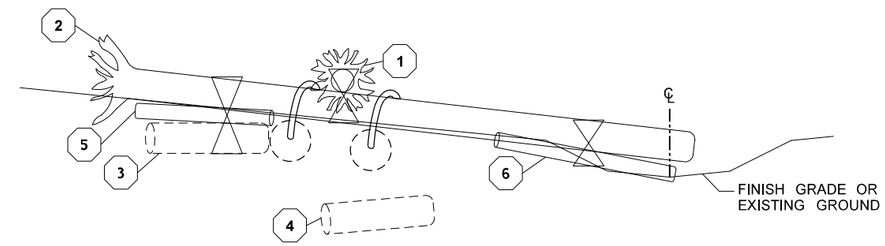
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT TO BE DIRECTED BY ENGINEER IN FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



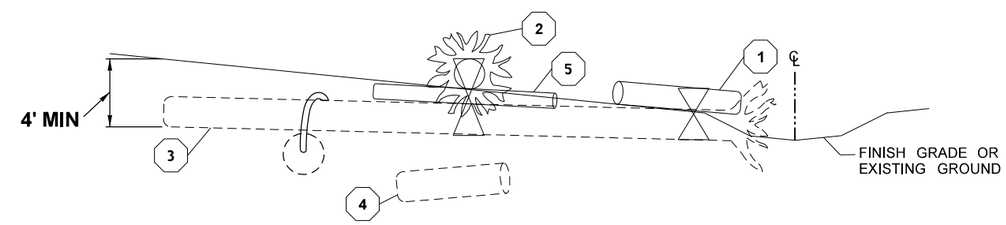
PLAN VIEW



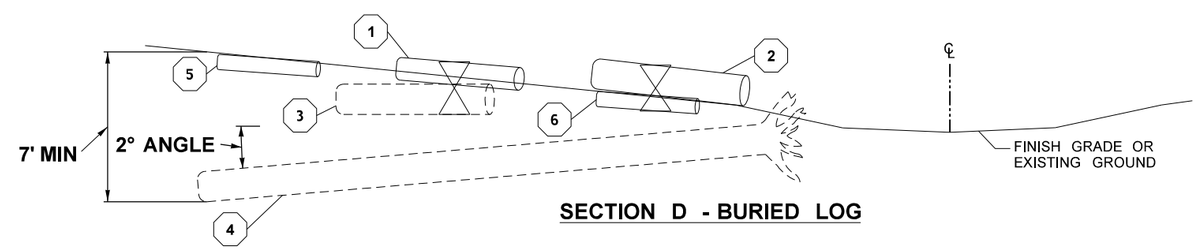
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

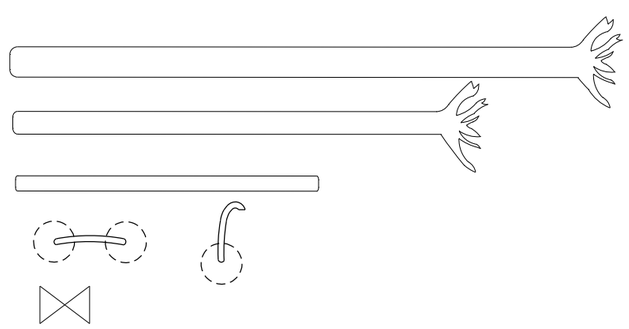


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



24" MIN DIA. 40' MIN. LENGTH, WITH ROOTWAD

18" MIN DIA. 30' MIN. LENGTH, WITH ROOTWAD

12" MIN DIA. 20' MIN. LENGTH, WITHOUT ROOTWAD

ROCK COLLAR - BOULDER TYPE 3, SEE SHEET LWM7-C

CABLE LASHING, SEE SHEET LWM6-C

LARGE WOOD CLUSTER TYPE A

NTS

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_LWM_001.dgn
TIME	10:27:13 AM
DATE	12/14/2022
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.

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.

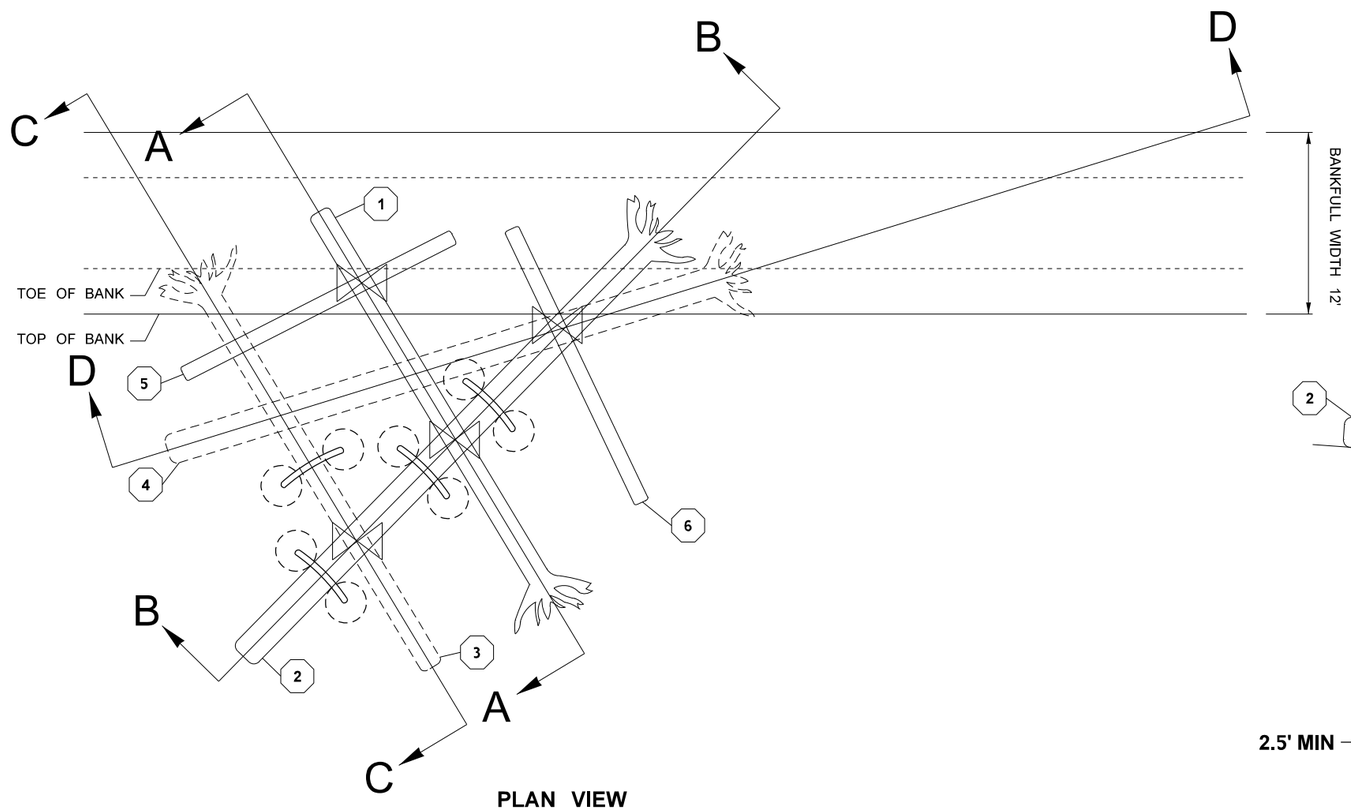
PLAN REF NO LWM3-C

SHEET 670 OF 1241 SHEETS

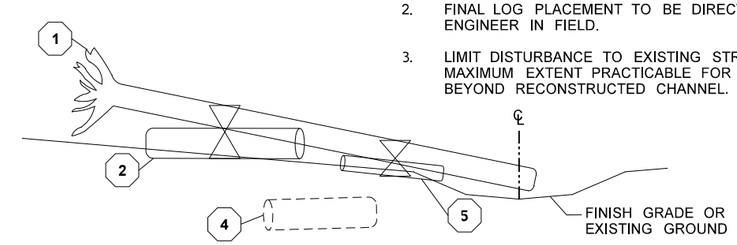
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrk\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_LWM_001.dgn

NOTES:

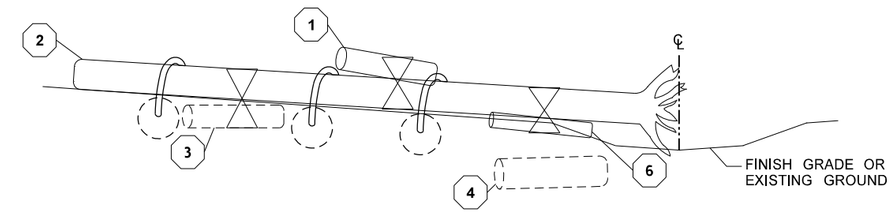
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT TO BE DIRECTED BY ENGINEER IN FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



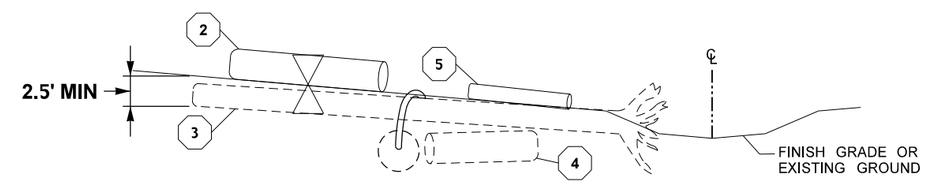
PLAN VIEW



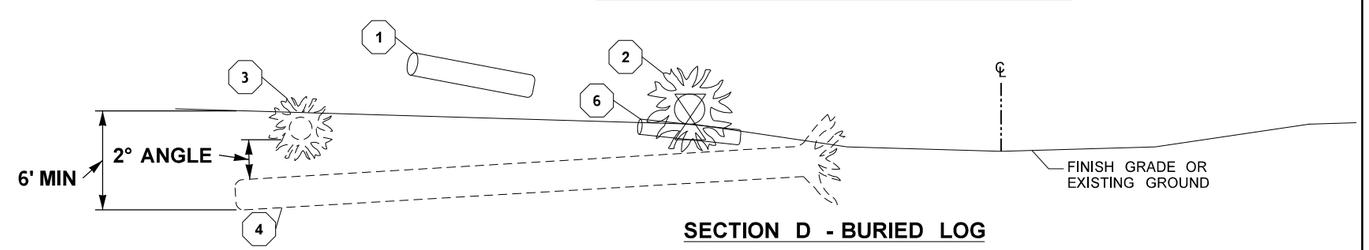
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

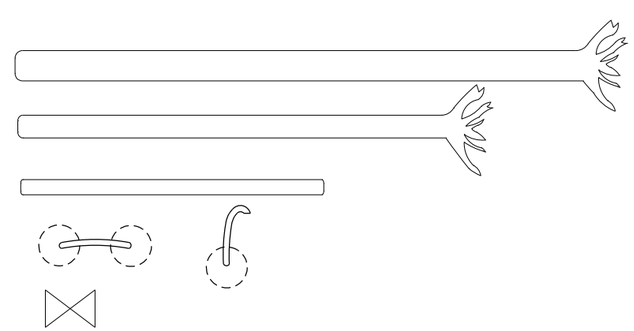


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



LARGE WOOD CLUSTER TYPE B

NTS

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_LWM_002.dgn
TIME	10:27:17 AM
DATE	12/14/2022
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.

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.

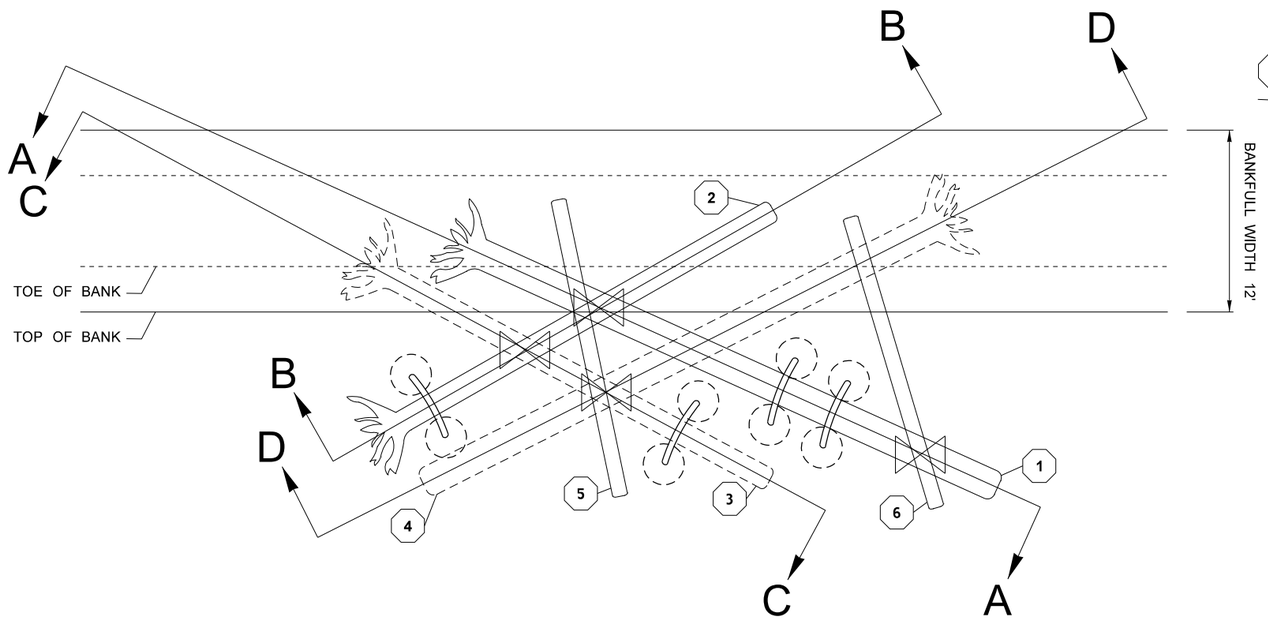
PLAN REF NO
LWM4-C

SHEET 671 OF 1241 SHEETS

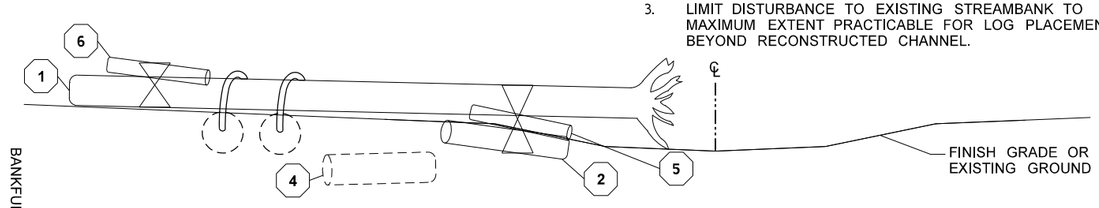
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_LWM_002.dgn

NOTES:

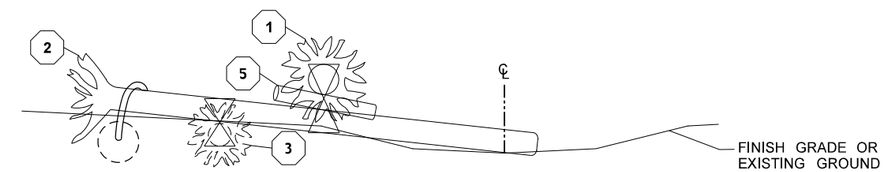
1. DASHED LINES INDICATE BURIED PIECES.
2. FINAL LOG PLACEMENT TO BE DIRECTED BY ENGINEER IN FIELD.
3. LIMIT DISTURBANCE TO EXISTING STREAMBANK TO MAXIMUM EXTENT PRACTICABLE FOR LOG PLACEMENT BEYOND RECONSTRUCTED CHANNEL.



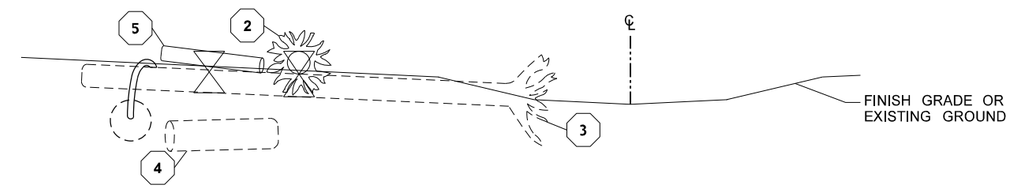
PLAN VIEW



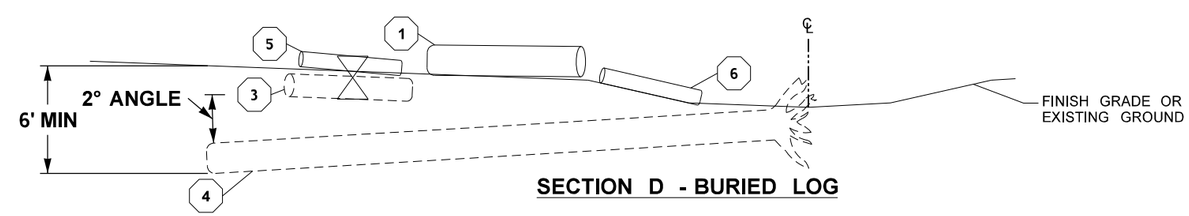
SECTION A - ANCHORED SURFACE LOGS



SECTION B - ANCHORED SURFACE LOGS

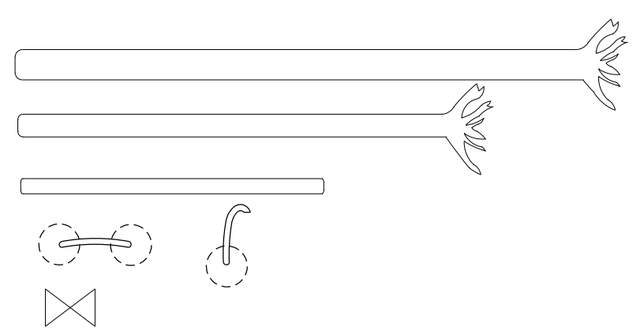


SECTION C - ANCHORED SURFACE LOGS



SECTION D - BURIED LOG

LEGEND



LARGE WOOD CLUSTER TYPE C

NTS

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_LWM_003.dgn
TIME	10:27:20 AM
DATE	12/14/2022
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.

KAREN J COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

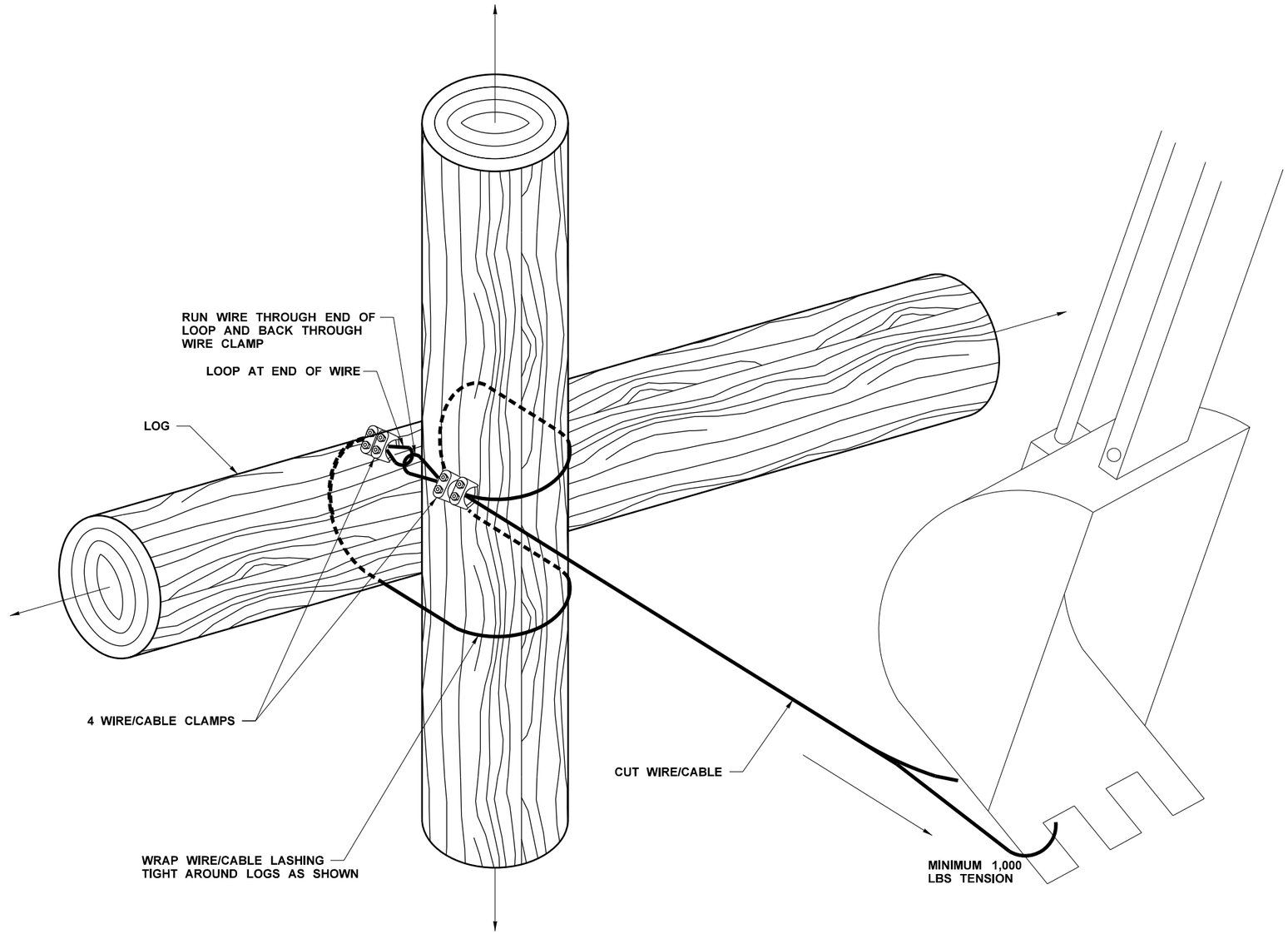
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO LWM5-C

SHEET 672 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_LWM_003.dgn



WIRE-ROPE LASHING CONNECTION

NTS

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

LARGE WOODY MATERIAL DETAILS

PLAN REF NO LWM6-C

SHEET 673 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_LWM_004.dgn
TIME	10:27:22 AM
DATE	12/14/2022
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		

KAREN J. COMINGS STATE OF WASHINGTON 41793 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

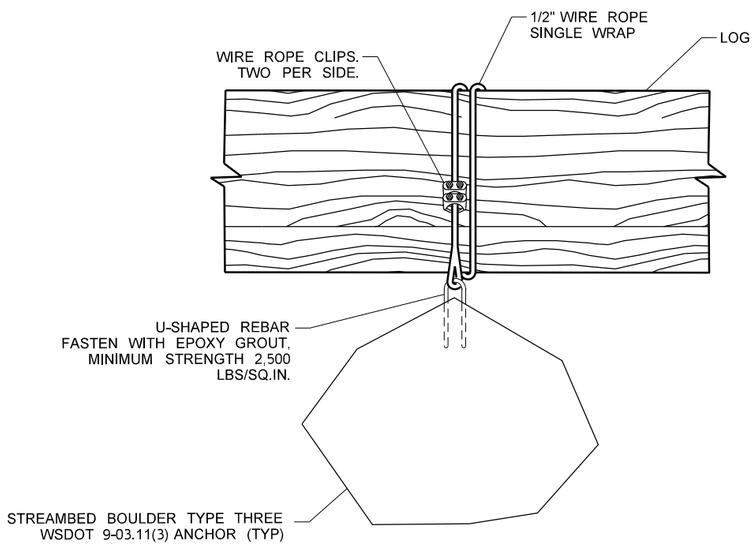
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

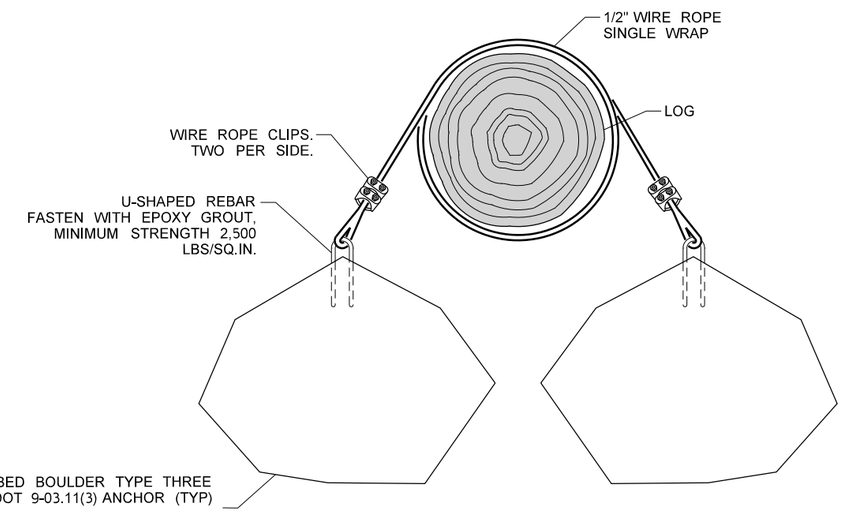
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_LWM_004.dgn

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_LWM_005.dgn
TIME	10:27:25 AM
DATE	12/14/2022
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.

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

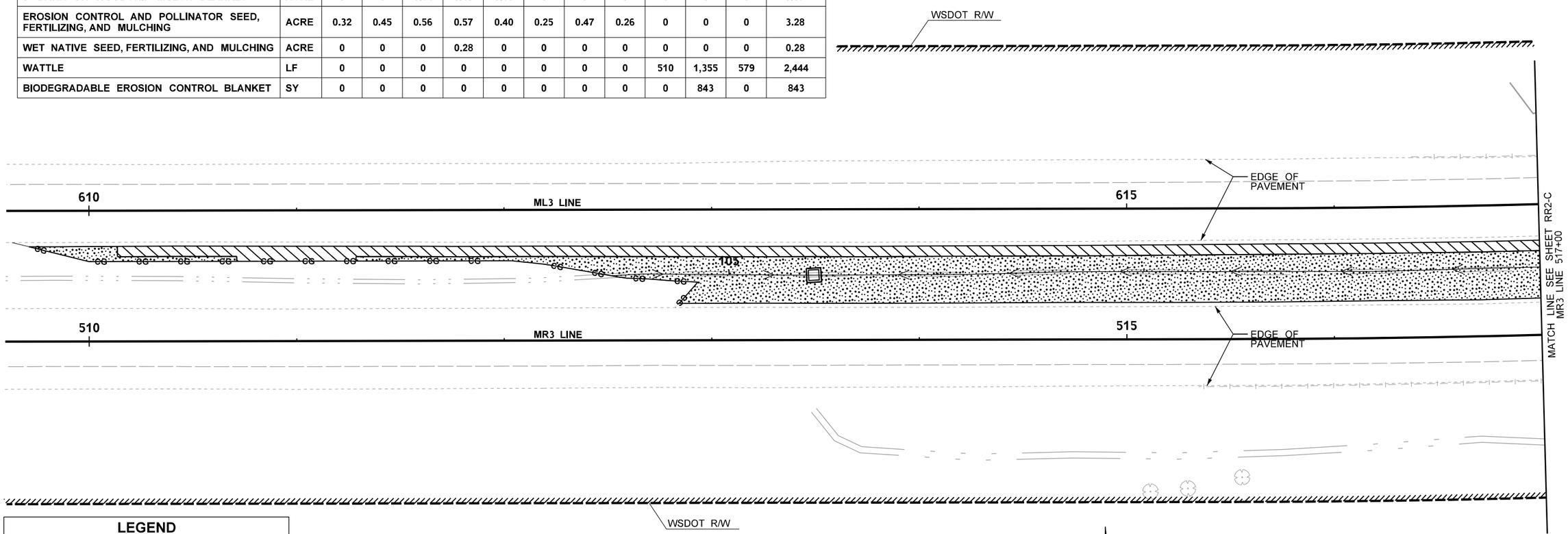
LARGE WOODY MATERIAL DETAILS

PLAN REF NO
LWM7-C

SHEET 674 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_LWM_005.dgn

ITEM	UNIT	QTY RR1-C	QTY RR2-C	QTY RR3-C	QTY RR4-C	QTY RR5-C	QTY RR6-C	QTY RR7-C	QTY RR8-C	QTY RR9-C	QTY RR10-C	QTY RR11-C	TOTAL QUANTITY
SOIL DECOMPACTION	SY	1,157	1,592	2,212	4,861	1,275	391	1,795	1,030	0	0	0	14,313
2" FINE COMPOST BLANKET	ACRE	0.32	0.41	0.45	0.57	0.34	0.16	0.45	0.26	0	0	0	2.96
4" SOIL AMENDMENT	ACRE	0	0	0.14	0.71	0.10	0	0	0	0	0	0	0.95
3" BARK OR WOODCHIP MULCH BLANKET	ACRE	0	0	0.14	0.43	0.10	0	0	0	0	0	0	0.67
EROSION CONTROL AND POLLINATOR SEED, FERTILIZING, AND MULCHING	ACRE	0.32	0.45	0.56	0.57	0.40	0.25	0.47	0.26	0	0	0	3.28
WET NATIVE SEED, FERTILIZING, AND MULCHING	ACRE	0	0	0	0.28	0	0	0	0	0	0	0	0.28
WATTLE	LF	0	0	0	0	0	0	0	0	510	1,355	579	2,444
BIODEGRADABLE EROSION CONTROL BLANKET	SY	0	0	0	0	0	0	0	0	0	843	0	843



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
- 2" FINE COMPOST BLANKET
- EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

0 25 50
SCALE IN FEET

NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_001.dgn
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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. 10 | STATE WASH | FED.AID PROJ.NO. ARPA001

JOB NUMBER 21C522

CONTRACT NO. XL6115 | LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40317 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/2023

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

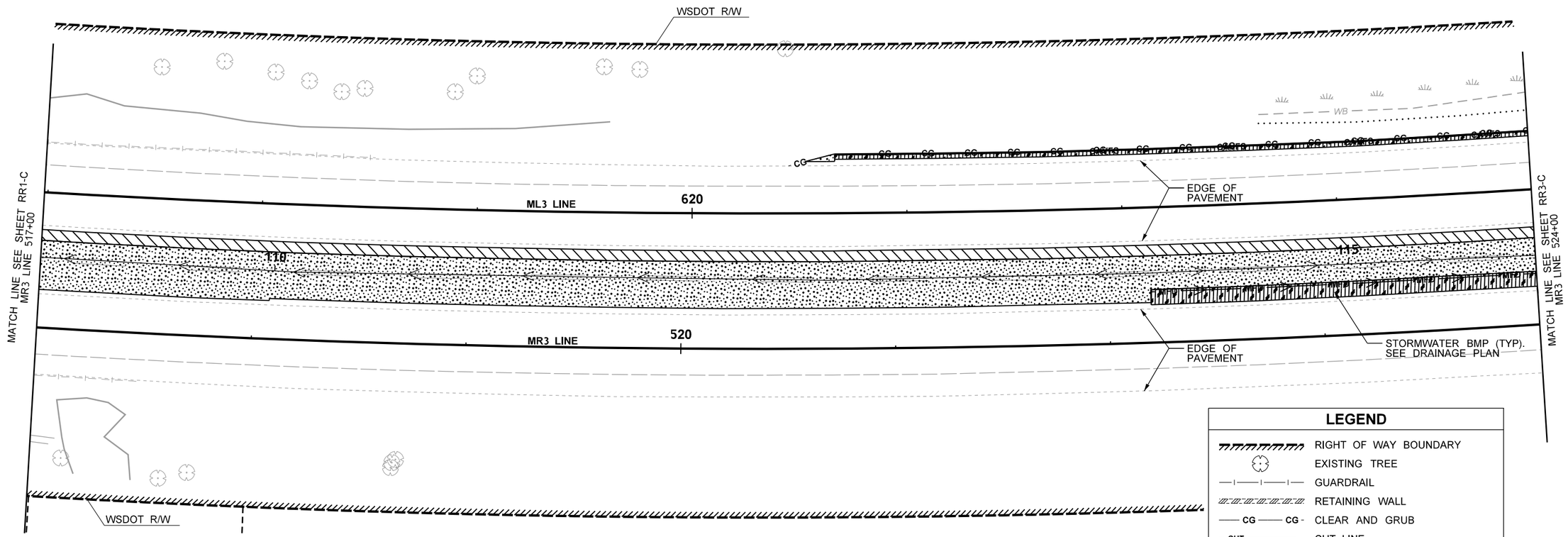
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO RR1-C

SHEET 675 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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

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)
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR2-C

SHEET 676 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_002.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	12:19:15 PM						
DATE	12/13/2022						
PLOTTED BY	Fts				JOB NUMBER 21C522		
DESIGNED BY	J. GAGE						
ENTERED BY	T. DANISCH						
CHECKED BY	K. COMINGS				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

STATE OF WASHINGTON JON C. GAGE 22071 LICENSED LANDSCAPE ARCHITECT EXP. 03/17/23

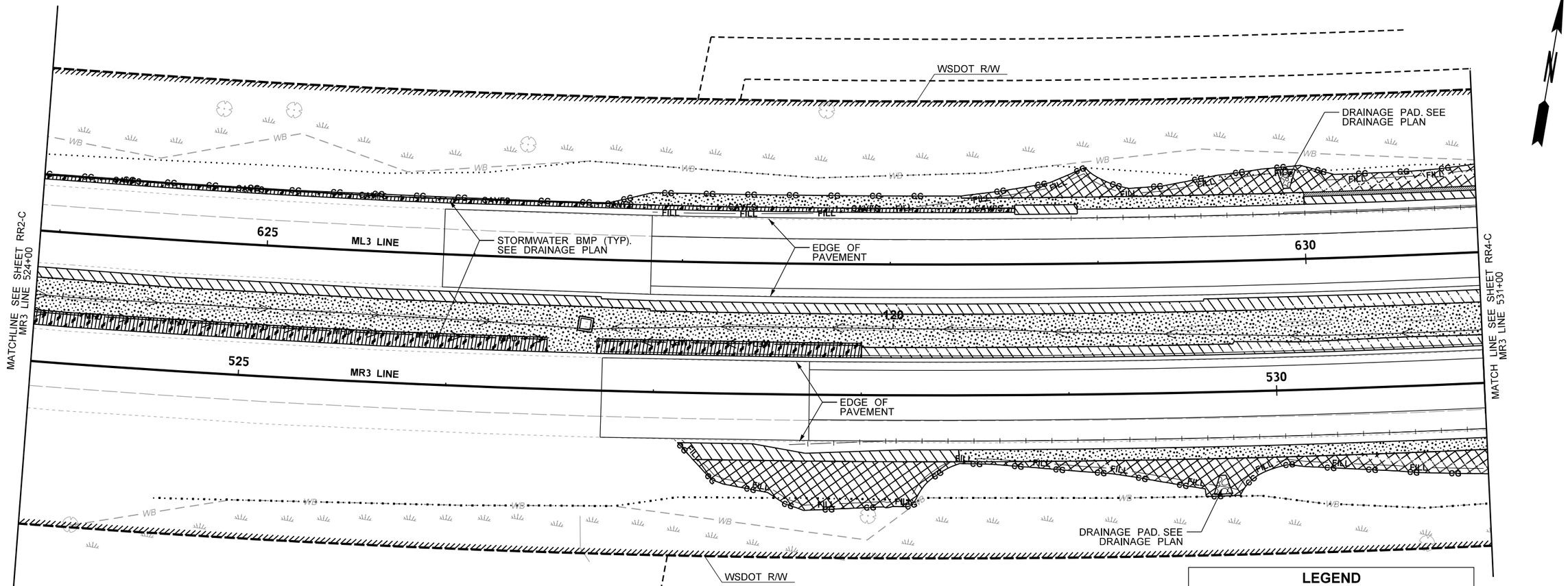
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\0121\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_002.dgn



NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

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)

0 25 50
SCALE IN FEET

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_003.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	12:20:04 PM				JOB NUMBER 21C522		
DATE	12/13/2022						
PLOTTED BY	Fts						
DESIGNED BY	J. GAGE						
ENTERED BY	T. DANISCH						
CHECKED BY	K. COMINGS				CONTRACT NO. XL6115		LOCATION NO.
PROJ. ENGR.	B. ELLIOTT						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

STATE OF WASHINGTON JON C. GAGE 40802 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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

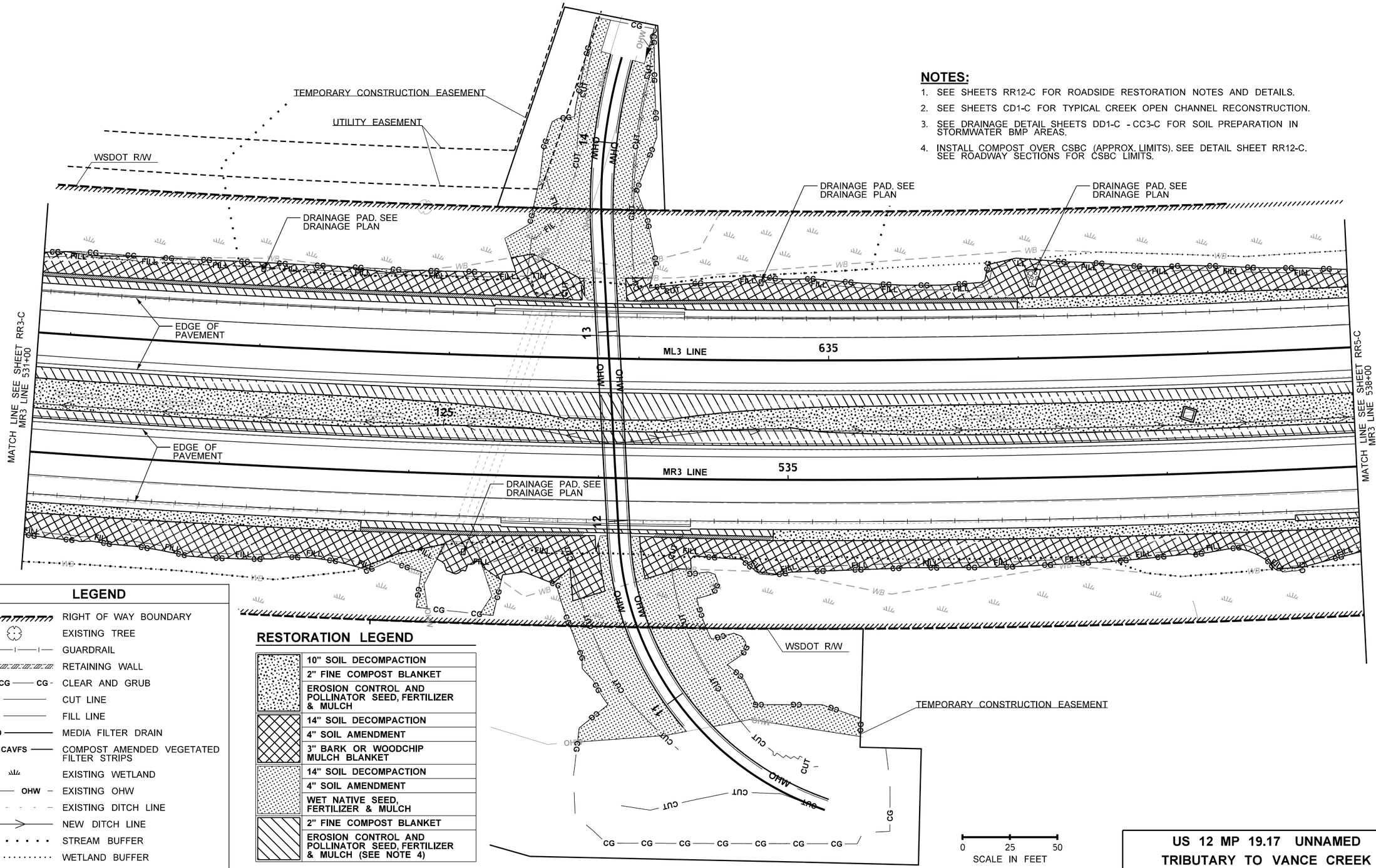
PLAN REF NO RR3-C

SHEET 677 OF 1241 SHEETS

pw:\\HQOLY\MAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrk\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_003.dgn

NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. 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
	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)

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_004.dgn
TIME	12:20:55 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
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

STATE OF WASHINGTON JON C. GAGE LICENSED LANDSCAPE ARCHITECT NO. 962 EXP. 03/17/2023
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

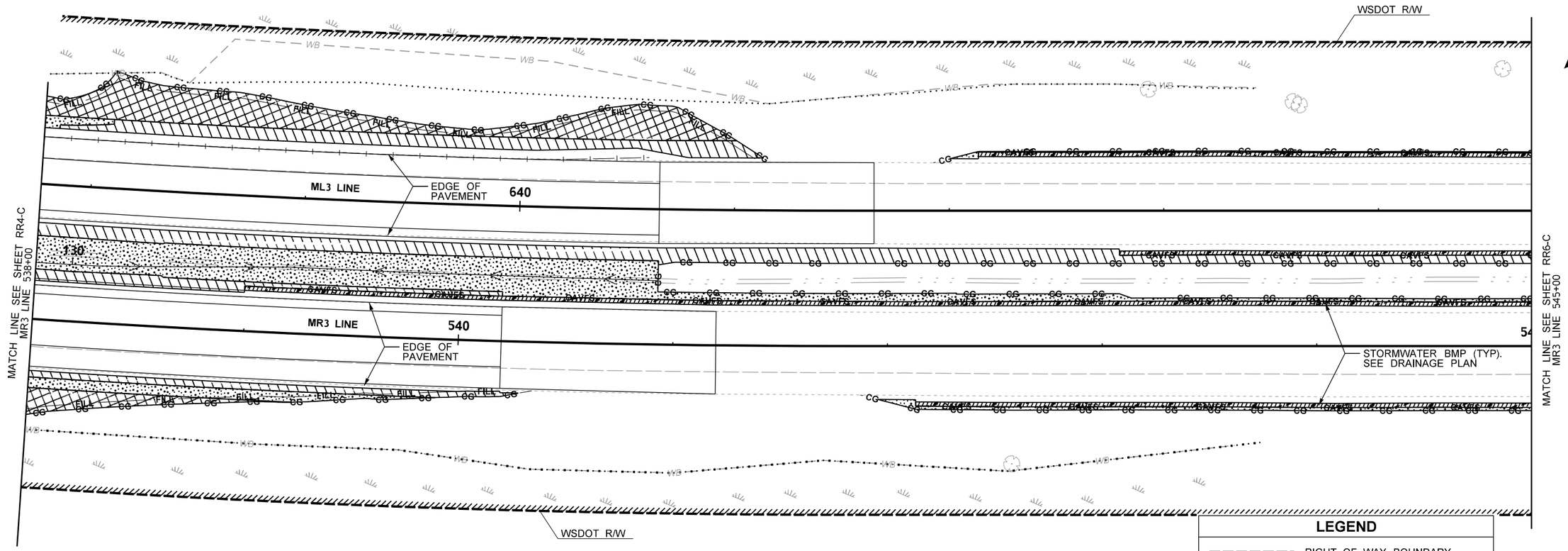
Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR4-C
SHEET 678 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_004.dgn



NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

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)

0 25 50
SCALE IN FEET

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_005.dgn
TIME	12:21:50 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 40894 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.

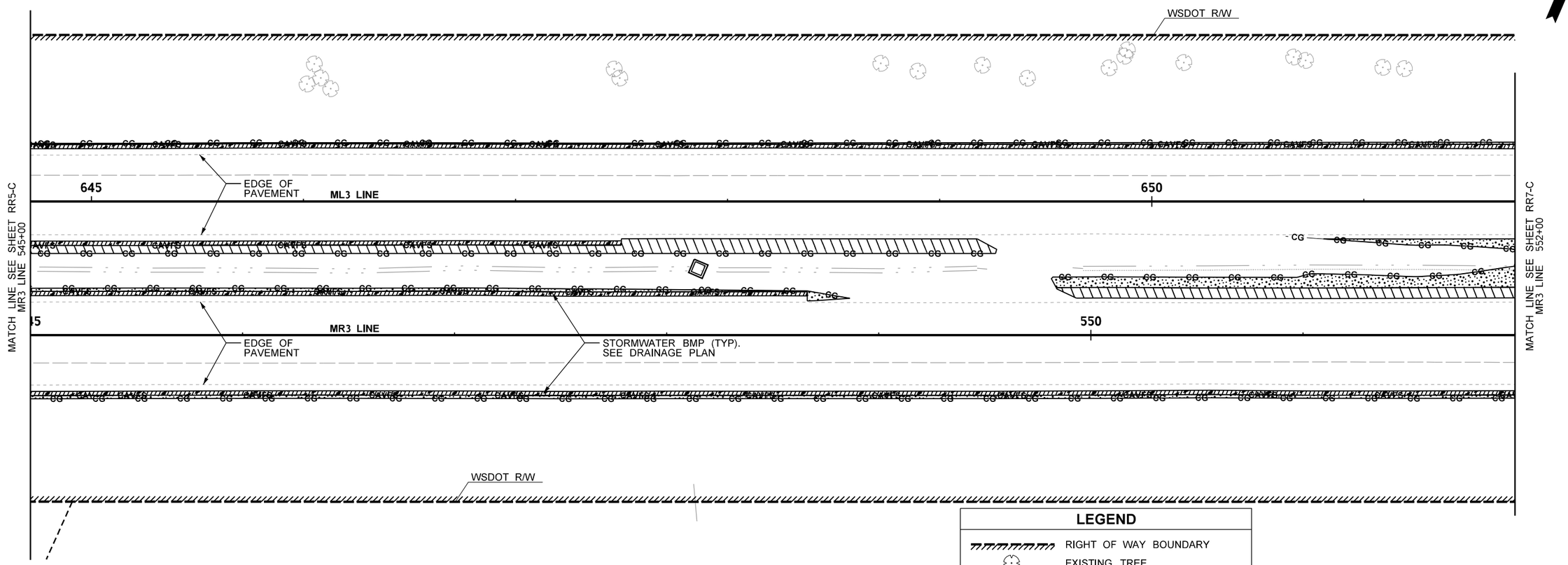
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR5-C

SHEET 679 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_005.dgn



NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

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)
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

0 25 50
SCALE IN FEET

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:22:43 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
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40010 REGISTERED PROFESSIONAL ENGINEER 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.

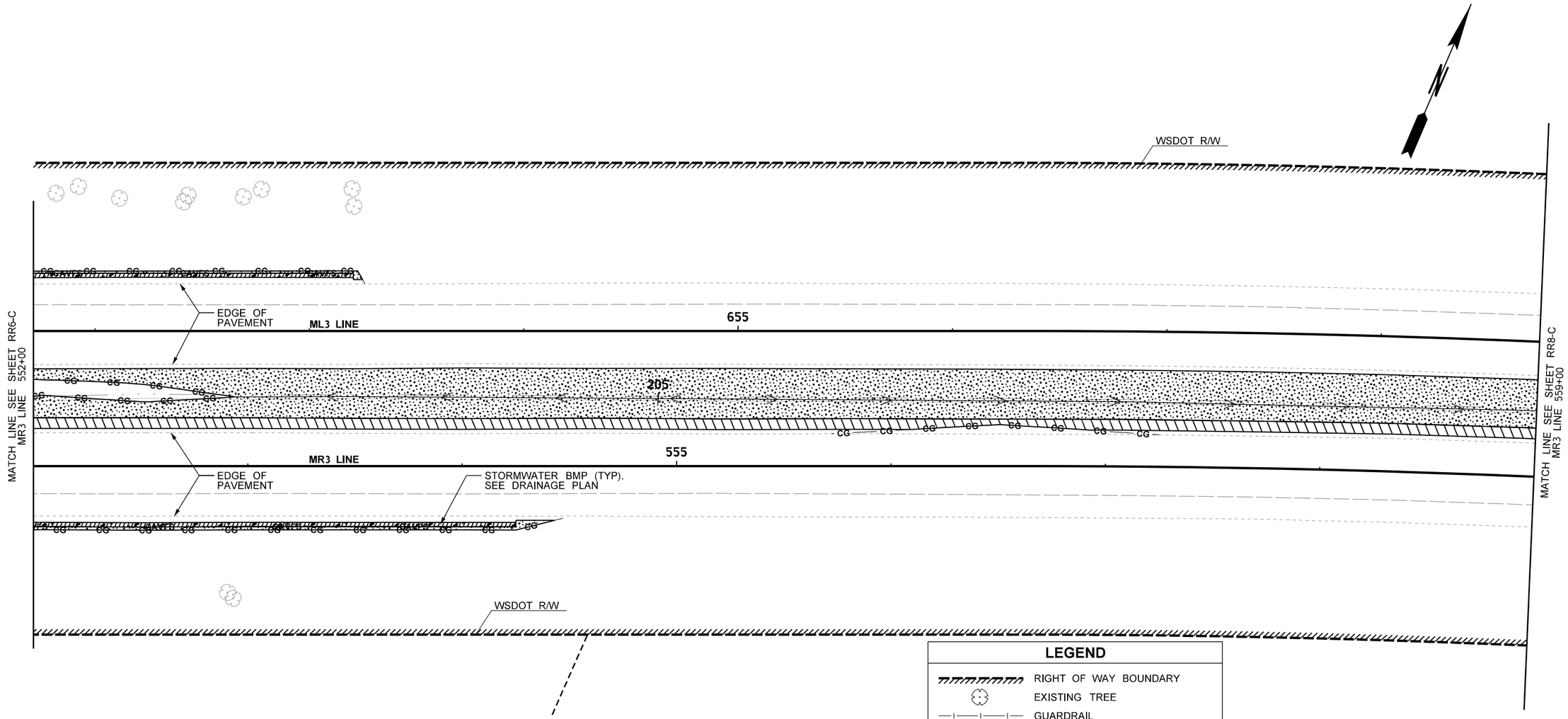
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR6-C

SHEET 680 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_006.dgn



NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

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)
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

0 25 50
SCALE IN FEET

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_007.dgn
TIME	12:23:02 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
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

STATE OF WASHINGTON JON GAGE 40010 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/23
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

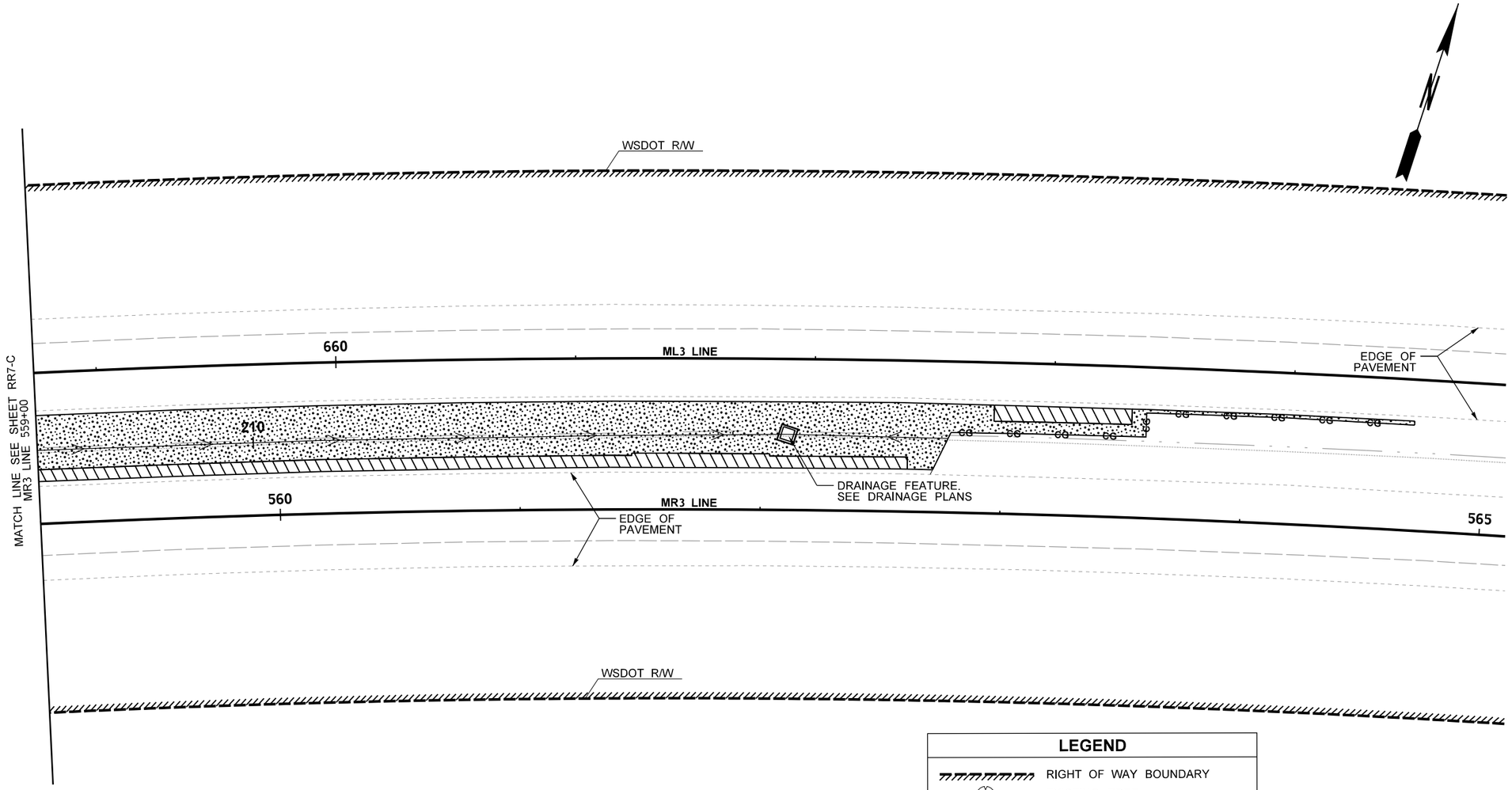
Washington State Department of Transportation
DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR7-C
SHEET 681 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_007.dgn



NOTES:

1. SEE SHEETS RR12-C FOR ROADSIDE RESTORATION NOTES AND DETAILS.
2. SEE SHEETS CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.
3. SEE DRAINAGE DETAIL SHEETS DD1-C - CC3-C FOR SOIL PREPARATION IN STORMWATER BMP AREAS.
4. INSTALL COMPOST OVER CSBC (APPROX. LIMITS). SEE DETAIL SHEET RR12-C. SEE ROADWAY SECTIONS FOR CSBC LIMITS.

RESTORATION LEGEND

	10" SOIL DECOMPACTION
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH
	2" FINE COMPOST BLANKET
	EROSION CONTROL AND POLLINATOR SEED, FERTILIZER & MULCH (SEE NOTE 4)

0 25 50
SCALE IN FEET

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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_008.dgn
TIME	12:23:17 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
10	WASH

JOB NUMBER 21C522

CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40010 REGISTERED PROFESSIONAL ENGINEER 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.

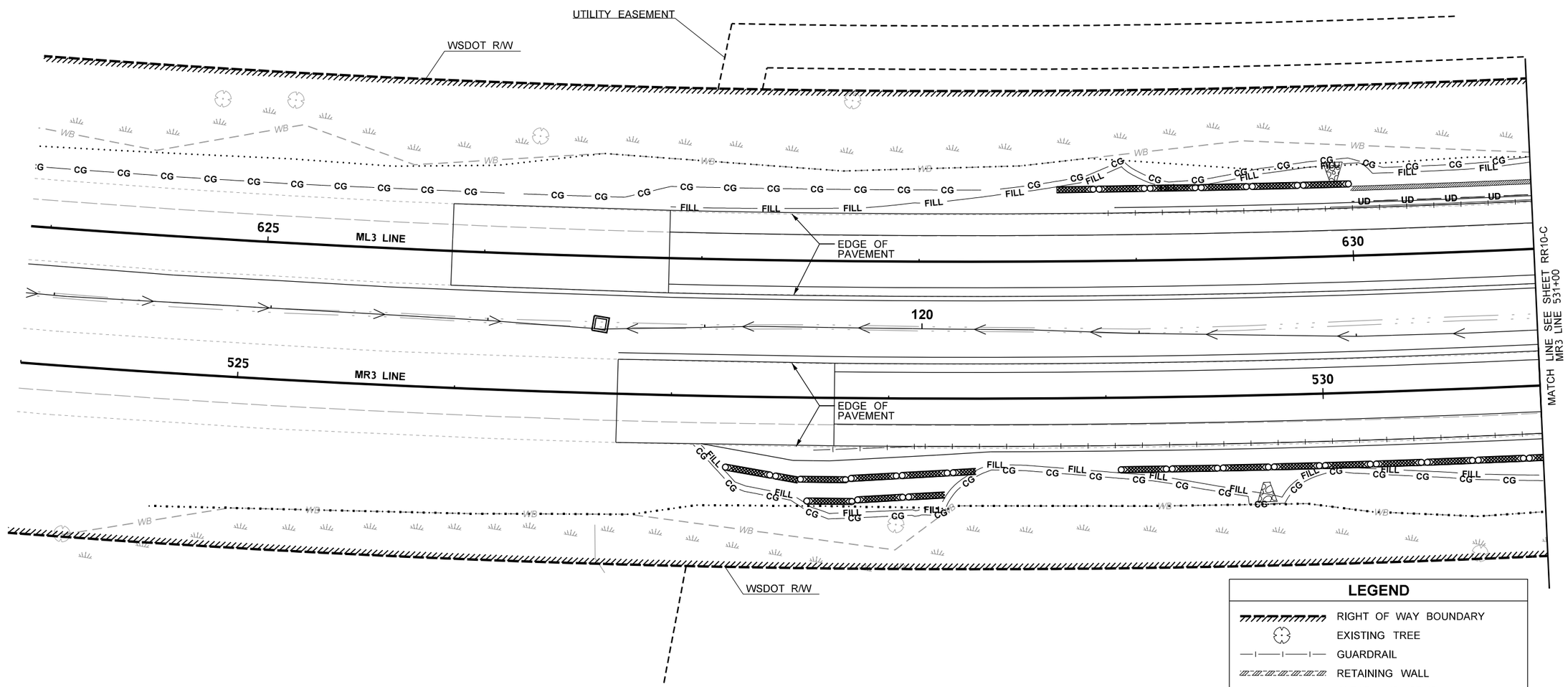
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

ROADSIDE RESTORATION PLAN

PLAN REF NO RR8-C

SHEET 682 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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 STAKES, RIPPED DIAGONALLY.
2. SEE SHEET CD1-C FOR TYPICAL CREEK OPEN CHANNEL RECONSTRUCTION.

BIOENGINEERING LEGEND

	WATTLE

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

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_009.dgn
TIME	12:23:32 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
10	WASH

JOB NUMBER 21C522

CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001

LOCATION NO.

STATE OF WASHINGTON JON C. GAGE 40802 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

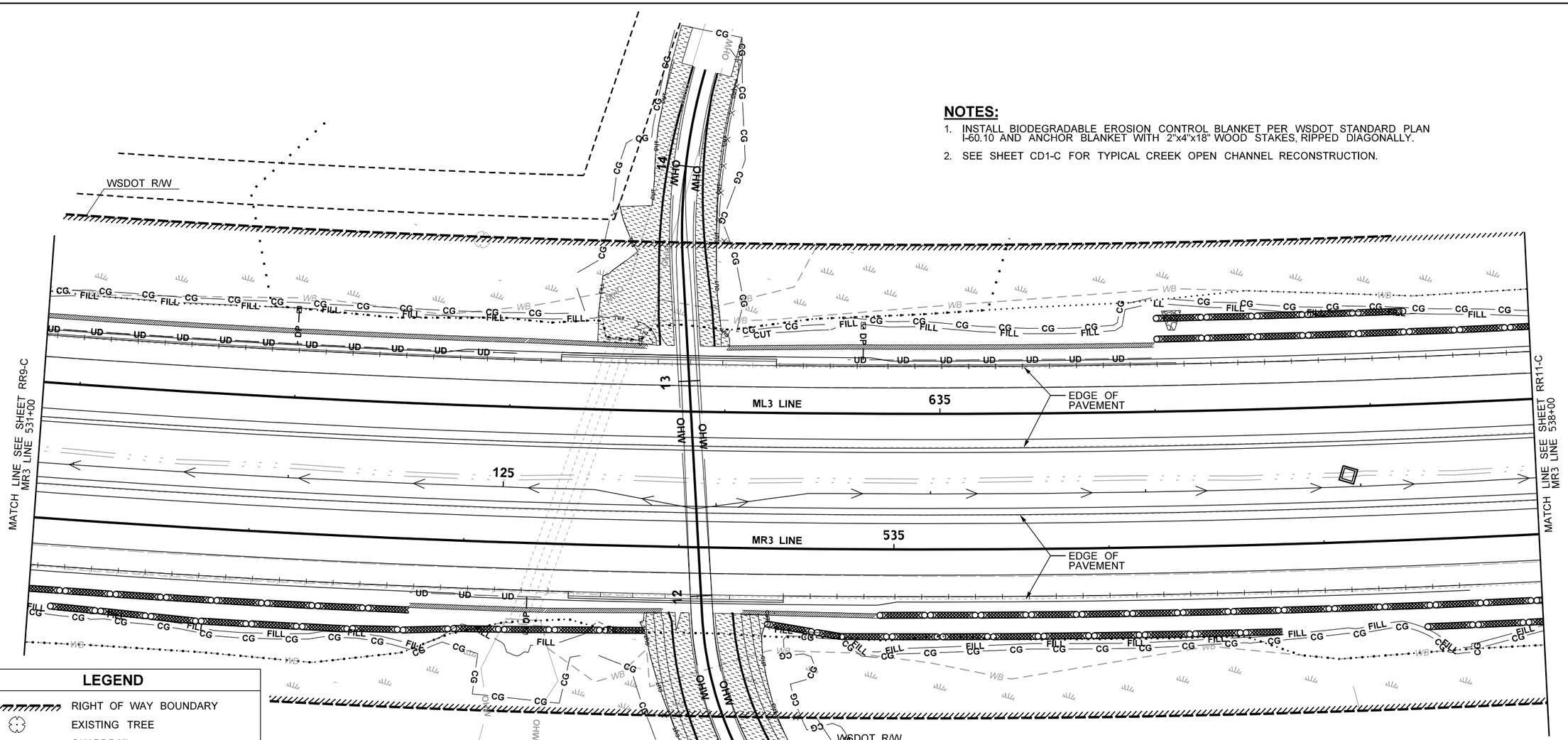
PLAN REF NO
RR9-C

SHEET 683 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_009.dgn

NOTES:

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



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

BIOENGINEERING LEGEND

	BIODEGRADABLE EROSION CONTROL BLANKET
	WATTLE

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_010.dgn
TIME	12:23:47 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.	STATE	FED.AID PROJ.NO.
10	WASH	ARPA001
JOB NUMBER 21C522		LOCATION NO.
CONTRACT NO. XL6115		

STATE OF WASHINGTON JON C. GAGE 40400 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.

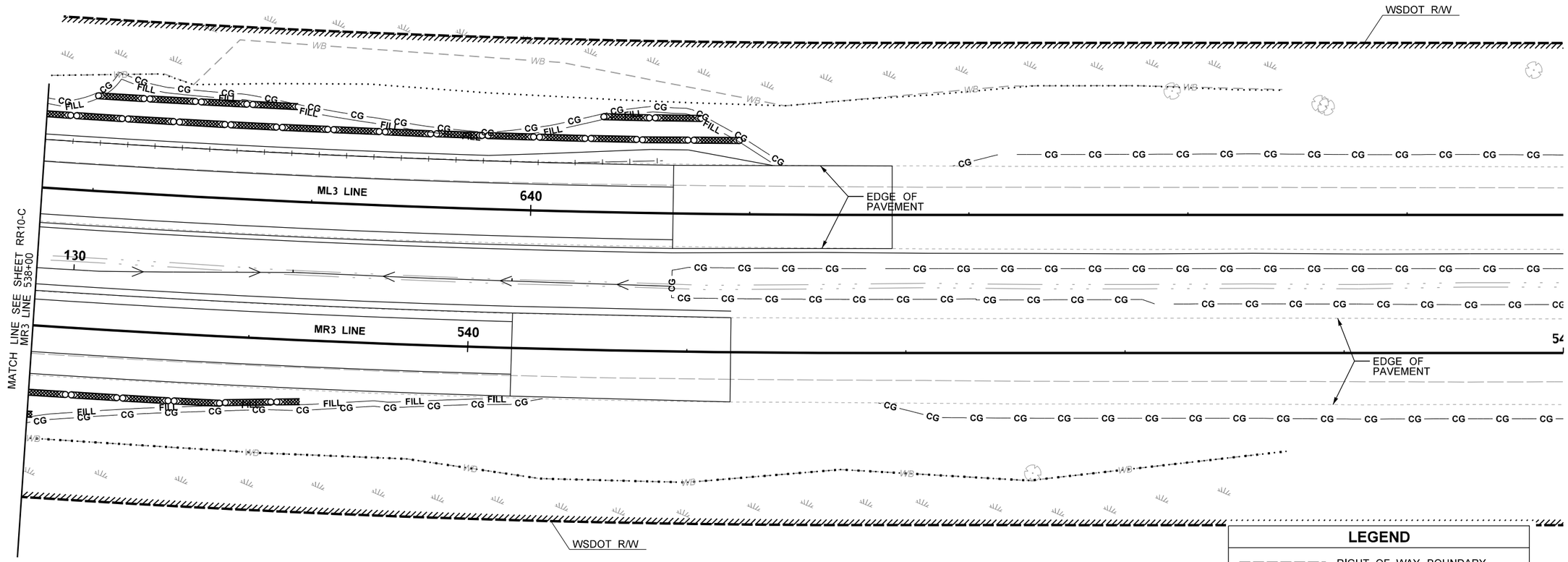
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

BIOENGINEERING PLAN

PLAN REF NO RR10-C

SHEET 684 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_010.dgn



NOTES:

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

BIOENGINEERING LEGEND

	WATTLE

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

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_RR_011.dgn
TIME	12:24:55 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
10	WASH

JOB NUMBER 21C522
CONTRACT NO. XL6115

FED.AID PROJ.NO. ARPA001
LOCATION NO.

STATE OF WASHINGTON JON GAGE 40904 REGISTERED PROFESSIONAL ENGINEER NO. 8/12 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.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

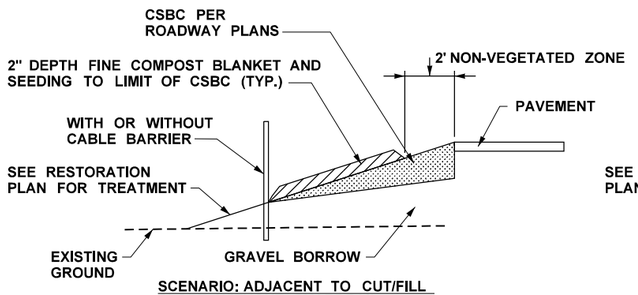
BIOENGINEERING PLAN

PLAN REF NO RR11-C
SHEET 685 OF 1241 SHEETS

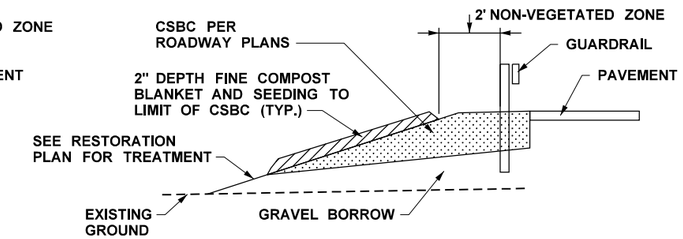
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_RR_011.dgn

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.



SCENARIO: ADJACENT TO CUT/FILL SLOPE WITHOUT GUARDRAIL

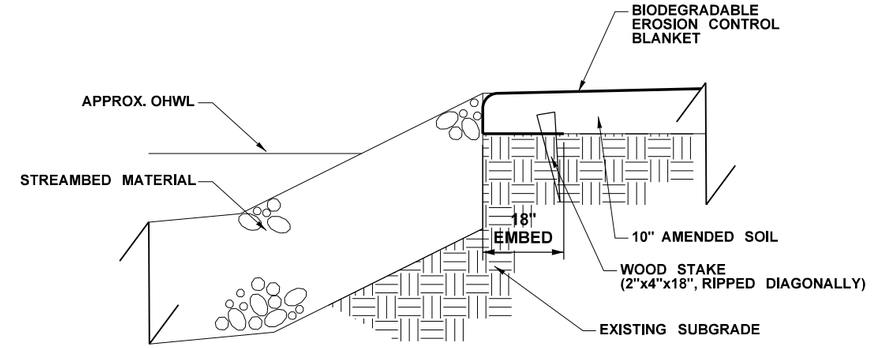


SCENARIO: ADJACENT TO CUT/FILL SLOPE WITH GUARDRAIL

NOTE:
SEE ROADWAY PLANS FOR LIMITS OF CSBC

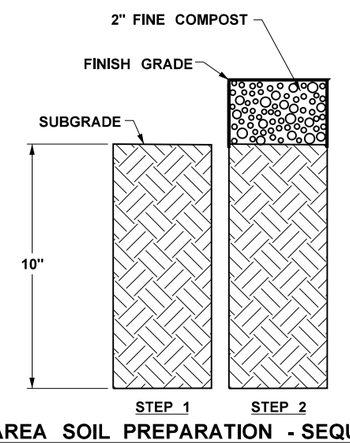
SEEDING OVER CSBC SOIL PREPARATION

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

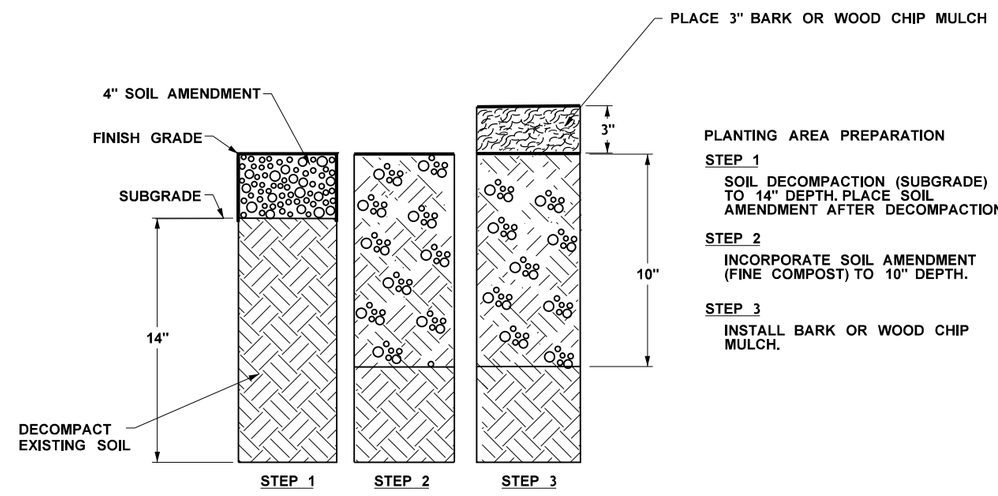
STEP 2

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

RESTORATION DETAILS AND NOTES

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DATE	12/13/2022
PLOTTED BY	Fts
DESIGNED BY	K. COMINGS
ENTERED BY	T. DANISCH
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.

STATE OF WASHINGTON JON C. GAGE 40317 REGISTERED PROFESSIONAL ENGINEER EXP. 03/17/2023

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

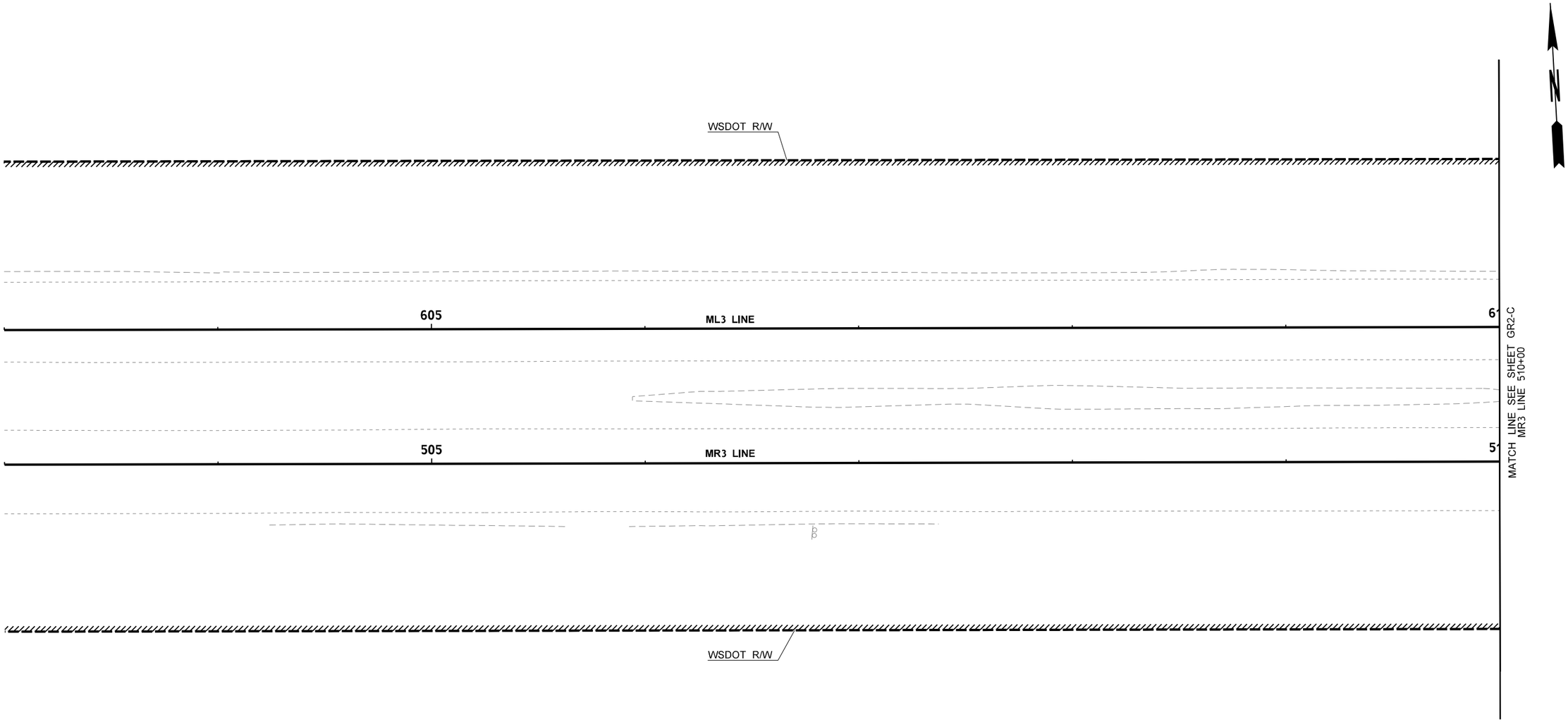
Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO RR12-C

SHEET 686 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_GR_001.dgn
TIME	12:02:04 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

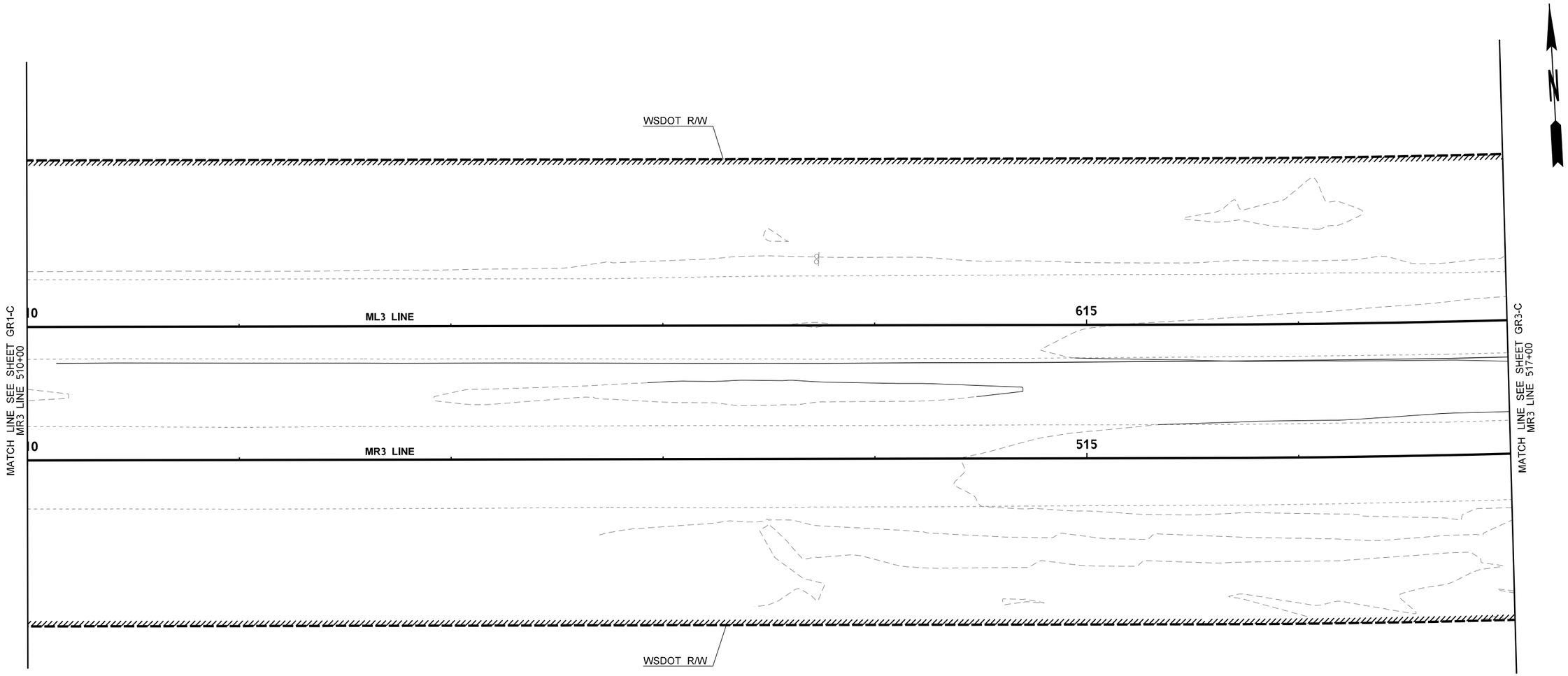
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR1-C

SHEET 687 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:02:14 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

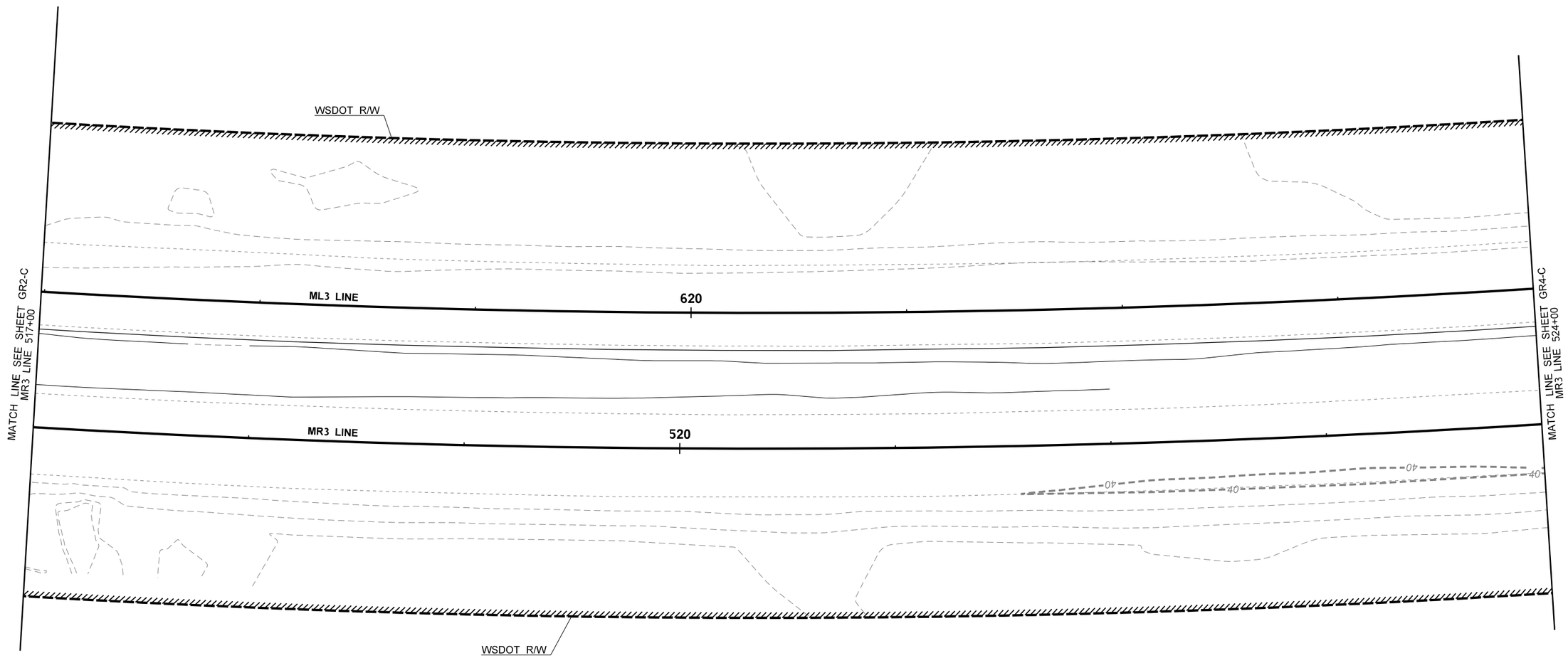
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR2-C

SHEET 688 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:02:23 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

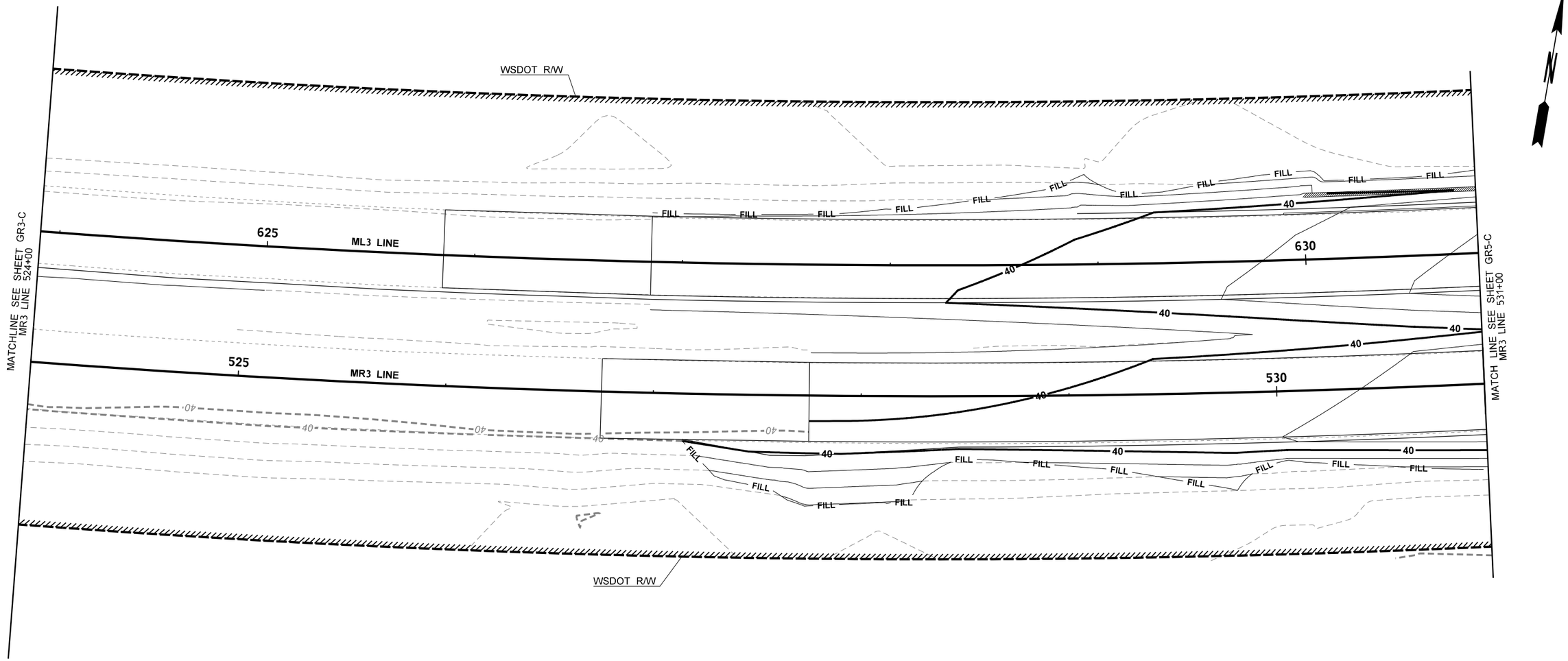
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR3-C

SHEET 689 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:02:32 PM
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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		LOCATION NO.
CONTRACT NO. XL6115		

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.

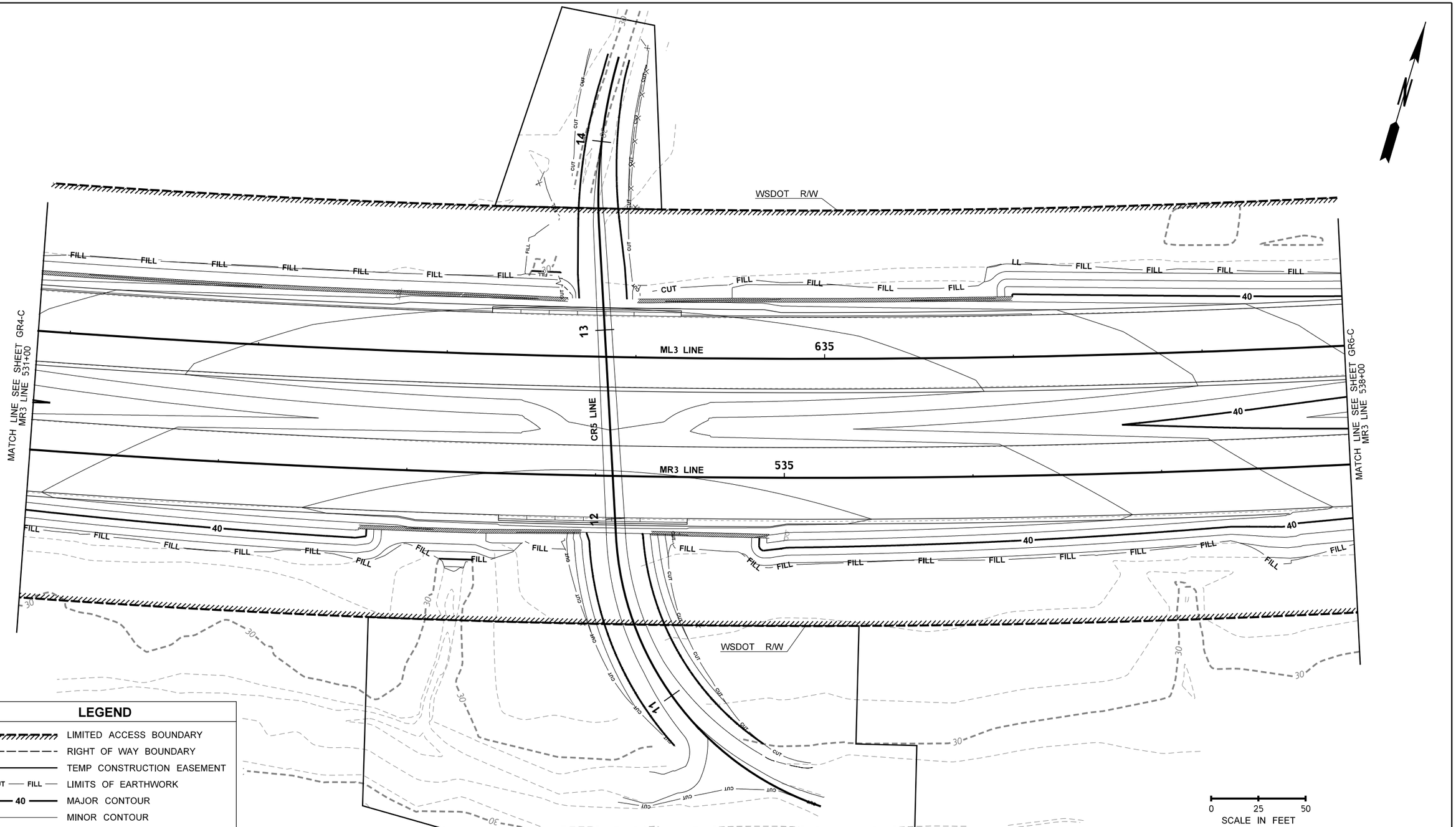
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR4-C

SHEET 690 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_004.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

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

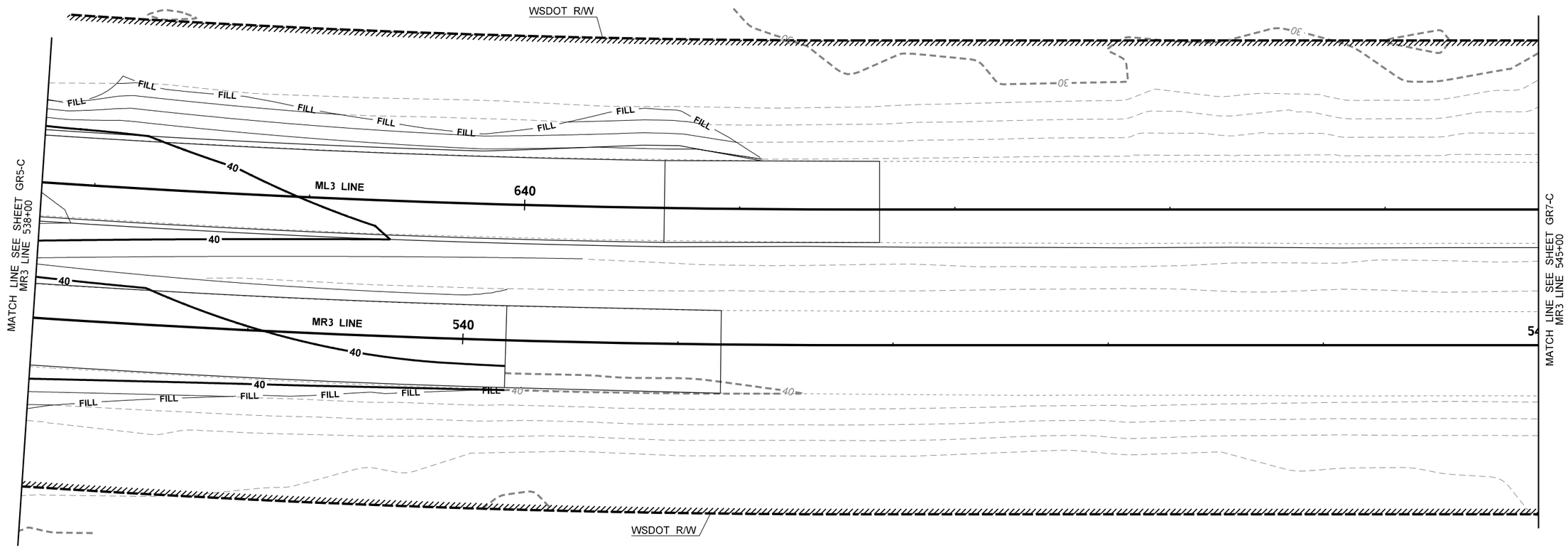
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR5-C

SHEET 691 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_005.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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_GR_006.dgn
TIME	12:02:53 PM
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DESIGNED BY	K. EMERY
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.

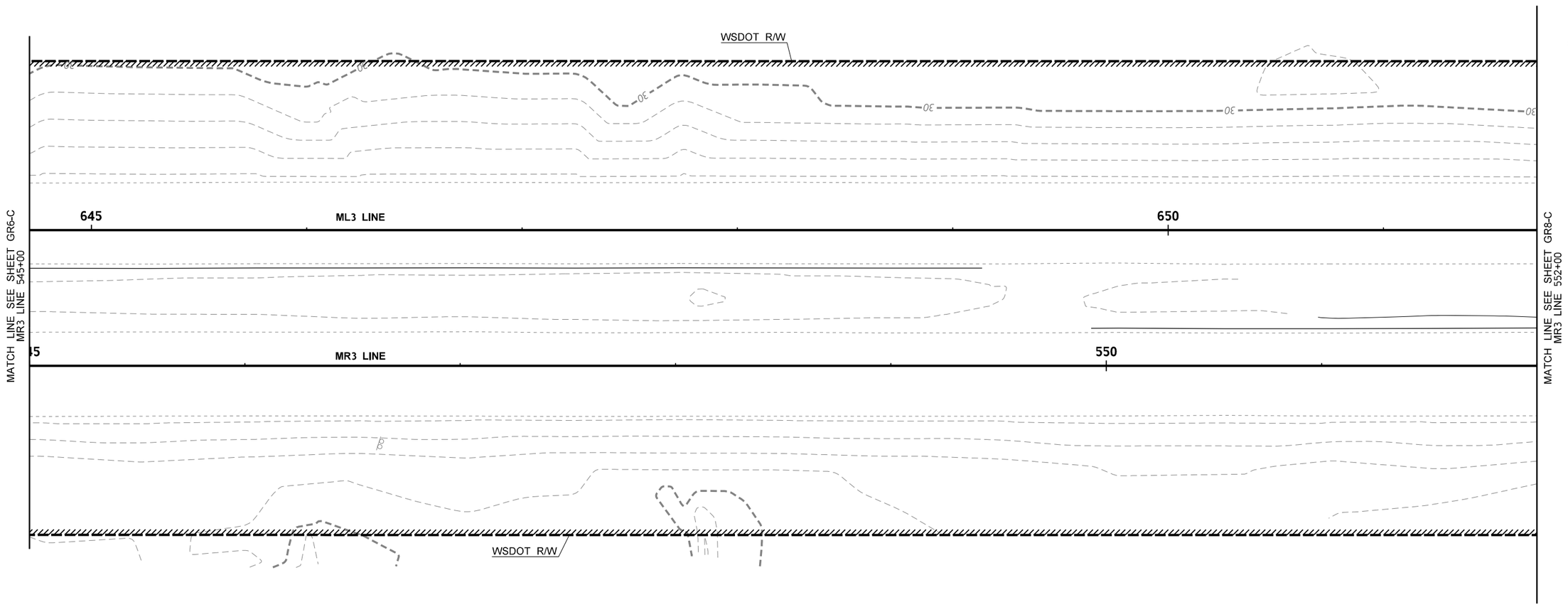
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR6-C

SHEET 692 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrkDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_006.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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

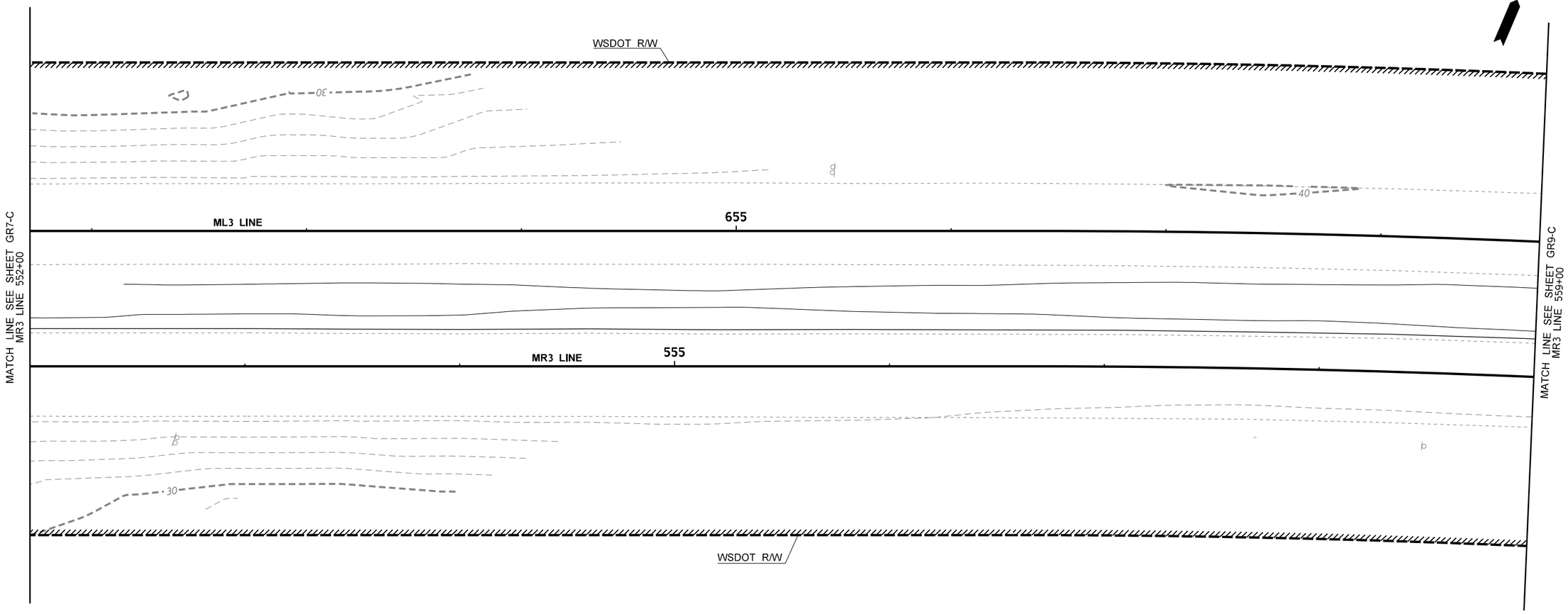
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO GR7-C

SHEET 693 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_007.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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_GR_008.dgn
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DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

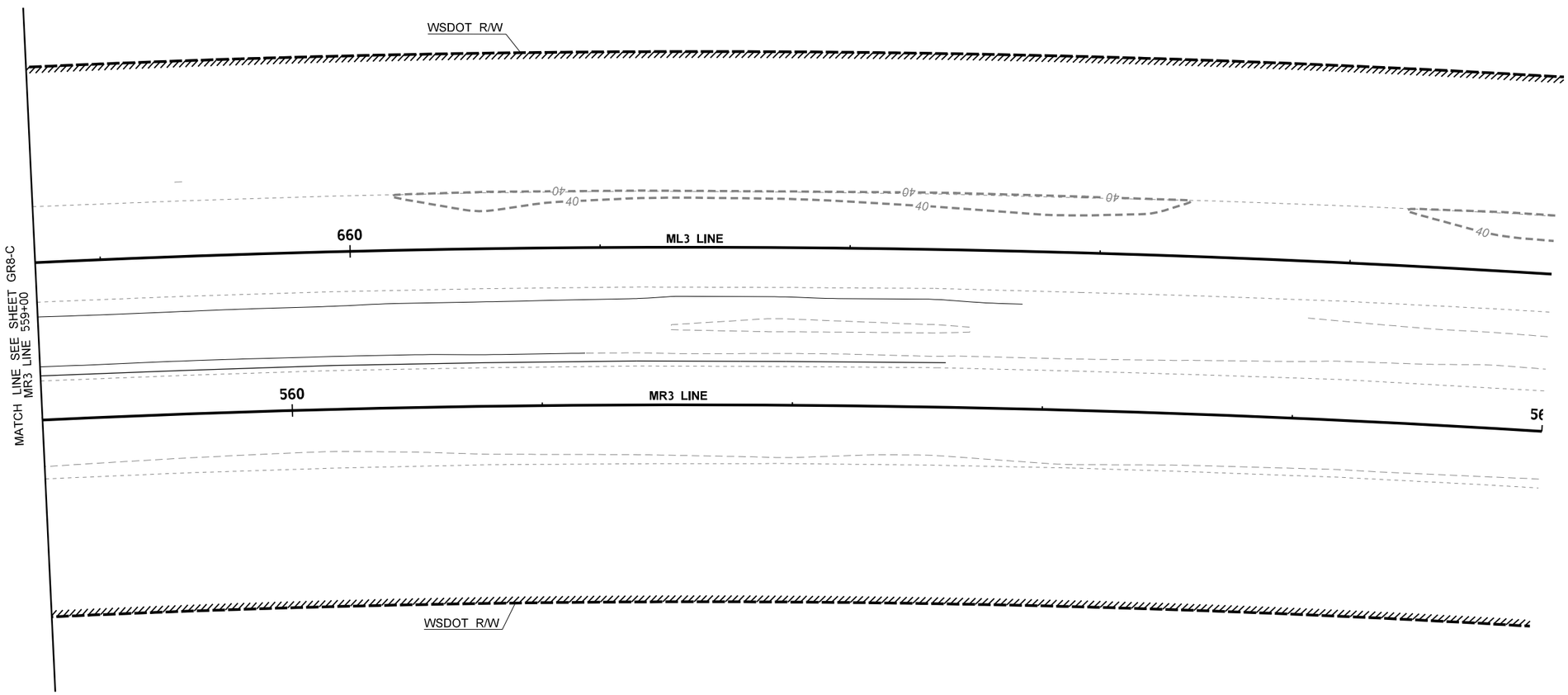
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

FINAL GRADING PLAN

PLAN REF NO
GR8-C

SHEET 694 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_008.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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_GR_009.dgn
TIME	12:03:24 PM
DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
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
GR9-C

SHEET 695 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_GR_009.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	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.	EACH	EACH	EACH	L.F.	L.F.	L.F.	
PV1-C-1	ML3 610+13.7 (21.2 RT) TO 649+13.62 (22.0 RT)								3910		6
PV1-C-2	ML3 610+71.17 (23.6 RT) TO 611+28.68 (23.6 RT)								58		8
PV2-C-1	ML3 625+85.00 TO 626+85.00	419									7
PV2-C-2	ML3 628+84.45 (22.0 LT) TO 633+25.52 (22.0 LT)			375	1		1				1, 3, 5, 13
PV2-C-3	MR3 526+75.00 TO 527+75.00	425									7
PV2-C-4	MR3 527+65.63 (24.0 RT) TO 533+51.50 (22.0 RT)			488	1	1					1, 2, 3, 4
PV2-C-5	ML3 629+90.00 (22.0 LT) TO 633+23.35 (22.0 LT)		333								9, 10
PV3-C-1	ML3 633+44.42 (90.3 LT) TO 633+49.07 (97.5 LT)									10	11
PV3-C-2	ML3 633+99.78 (168.6 LT) TO 634+00.82 (79.6 LT)									96	11
PV3-C-3	ML3 633+23.35 (23.0 LT) TO 634+23.73 (23.0 LT)							100.0			12
PV3-C-4	ML3 634+21.14 (22.0 LT) TO 640+59.65 (24.0 LT)			537.5	1	1					1, 2, 3, 4
PV3-C-5	ML3 634+23.73 (22.0 LT) TO 636+10.00 (22.0 LT)		186								9, 10
PV3-C-6	MR3 533+49.23 (23.0 RT) TO 534+48.84 (23.0 RT)							100.0			12
PV3-C-7	MR3 534+46.76 (22.0 RT) TO 537+72.26 (22.0 RT)			262.5	1		1				1, 2, 3, 5
PV3-C-8	MR3 533+86.59 (78.3 RT) TO 533+97.38 (78.3 RT)									20	11
PV3-C-9	MR3 534+46.91 (78.4 RT) TO 534+57.72 (78.4 RT)									20	11
PV4-C-1	ML3 640+65.00 TO 641+65.00	421									7
PV4-C-2	MR3 540+20.00 TO 541+20.00	425									7
PV5-C-1	MR3 549+86.40 (21.4 LT) TO 562+61.04 (21.7 LT)								1277		6
PV5-C-2	MR3 561+46.50 (22.5 LT) TO 562+03.77 (22.4 LT)								58		8
PV5-C-3	ML3 662+75.05 (23.5 RT) TO 663+32.79 (23.1 RT)								58		8
	SHEET TOTAL	1690	519	1663	4	2	2	200	5361	146	
	SECTION C TOTAL	1690	519	1663	4	2	2	200	5361	146	

GENERAL NOTES:

1. SEE STANDARD PLAN C-25.20, BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 21
2. SEE STANDARD PLAN C-24.10, GUARDRAIL CONNECTION TO BRIDGE RAIL OR CONCRETE BARRIER, D CONNECTION
3. SEE STANDARD PLAN C-20.10, BEAM GUARDRAIL TYPE 31
4. SEE STANDARD PLAN C-22.40, BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL (ALL POSTED SPEEDS)
5. SEE STANDARD PLAN C-23.70, BEAM GUARDRAIL (TYPE 31) ANCHOR TYPE 11
6. SEE SHEETS RS3-C FOR HIGH TENSION CABLE BARRIER DETAILS
7. SEE SHT RS1-C FOR "BUTT JOINT PLANING DETAIL"
8. SEE SPECIAL PROVISIONS FOR TERMINATING EXISTING 3 CABLE BARRIER
9. SEE STANDARD PLANS F-10.40, EXTRUDED CURB PLACEMENT
10. SEE STANDARD PLANS F-10.42, EXTRUDED CURB, TYPE 2
11. SEE STANDARD PLAN L-10.10, WIRE FENCE TYPES 1 & 2 AND WIRE GATES
12. SEE STANDARD PLAN C-60.10, CONCRETE BARRIER TYPE F (PRECAST)
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 BITUMINOUS PAVEMENT LOCATIONS

DESIGNED BY	K. EMERY					
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

P.E. STAMP BOX

DATE

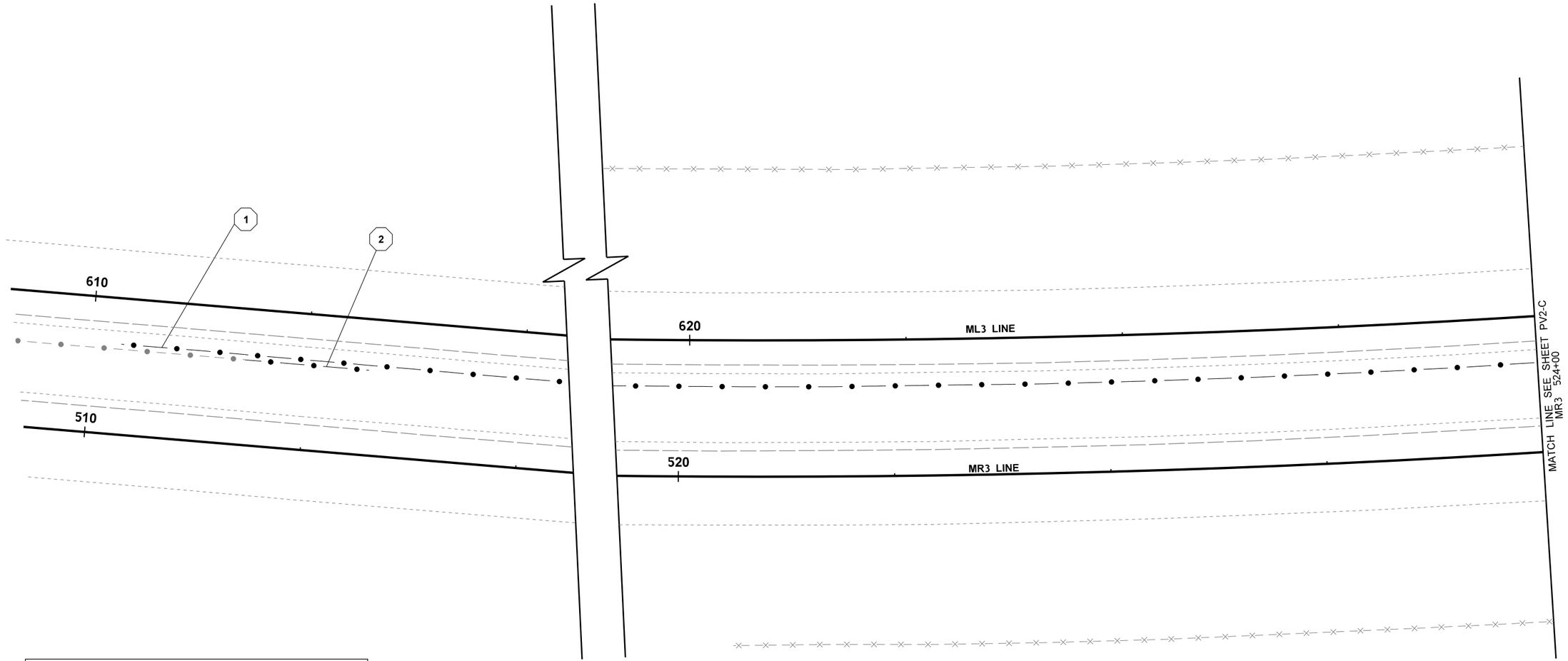
Washington State Department of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVING

QTPV1-C

SHEET 696 **OF** 1241 **SHEETS**



LEGEND

- - - - - - - - - - - - -	EXISTING EDGE OF PAVED SHOULDER
—X— —X— —X—	EXISTING FENCE
—I— —I— —I—	EXISTING GUARDRAIL
— ● — — ● —	EXISTING CABLE BARRIER
————————	NEW EDGE OF PAVED SHOULDER
—X——X——X—	NEW FENCE
—I——I——I—	NEW GUARDRAIL
— ● —— ● —	NEW CABLE BARRIER

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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

PAVING PLAN

PLAN REF NO
PV1-C

SHEET 697 OF 1241 SHEETS

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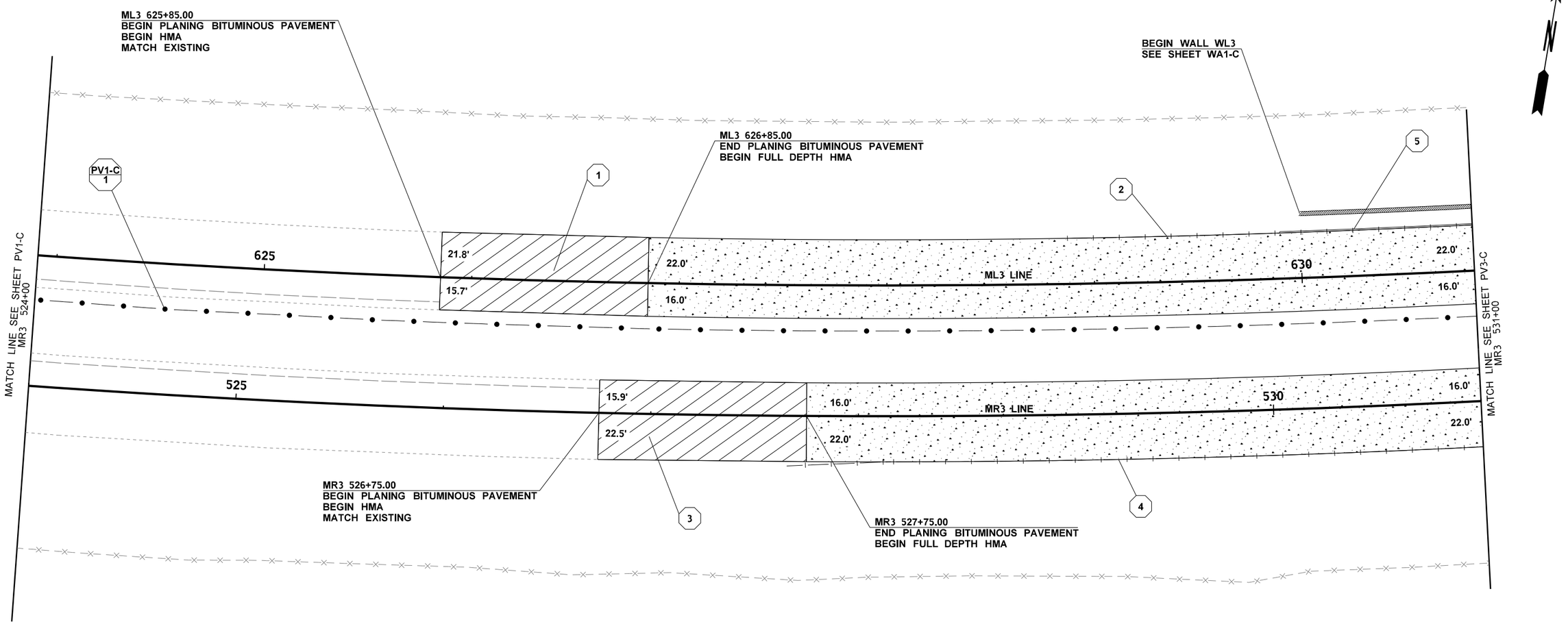

LEGEND

- - - - - - - - - - - -	EXISTING EDGE OF PAVED SHOULDER
—X— —X— —X—	EXISTING FENCE
—I— —I— —I—	EXISTING GUARDRAIL
— ● — — ● —	EXISTING CABLE BARRIER
————————	NEW EDGE OF PAVED SHOULDER
—X——X——X—	NEW FENCE
—I——I——I—	NEW GUARDRAIL
— ● —— ● —	NEW CABLE BARRIER

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

PLAN REF NO
PV2-C

SHEET 698 OF 1241 SHEETS

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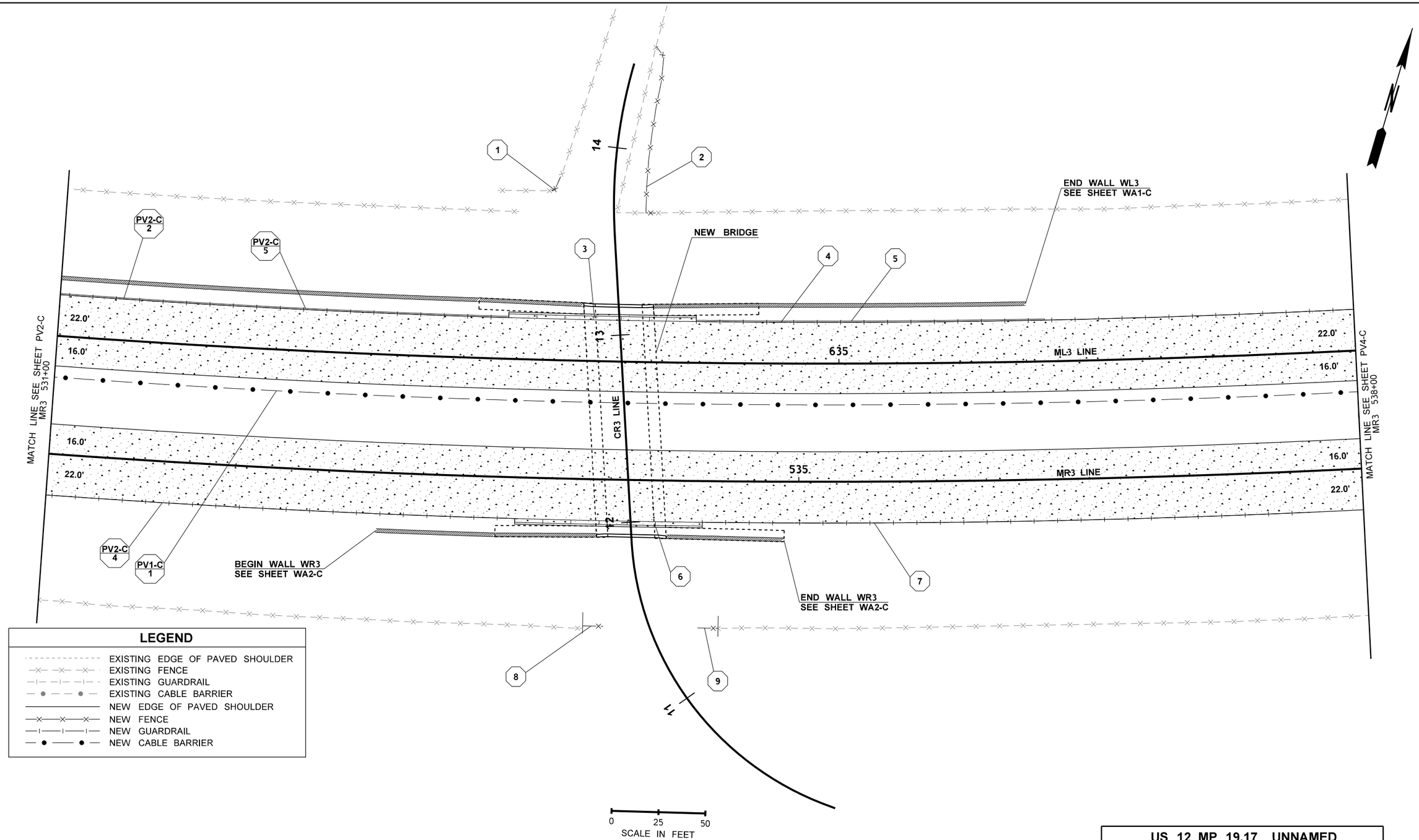

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	12:03:51 PM				JOB NUMBER 21C522		
DATE	12/15/2022						
PLOTTED BY	Fts						
DESIGNED BY	K. EMERY						
ENTERED BY	H. EILERS						
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 — 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.

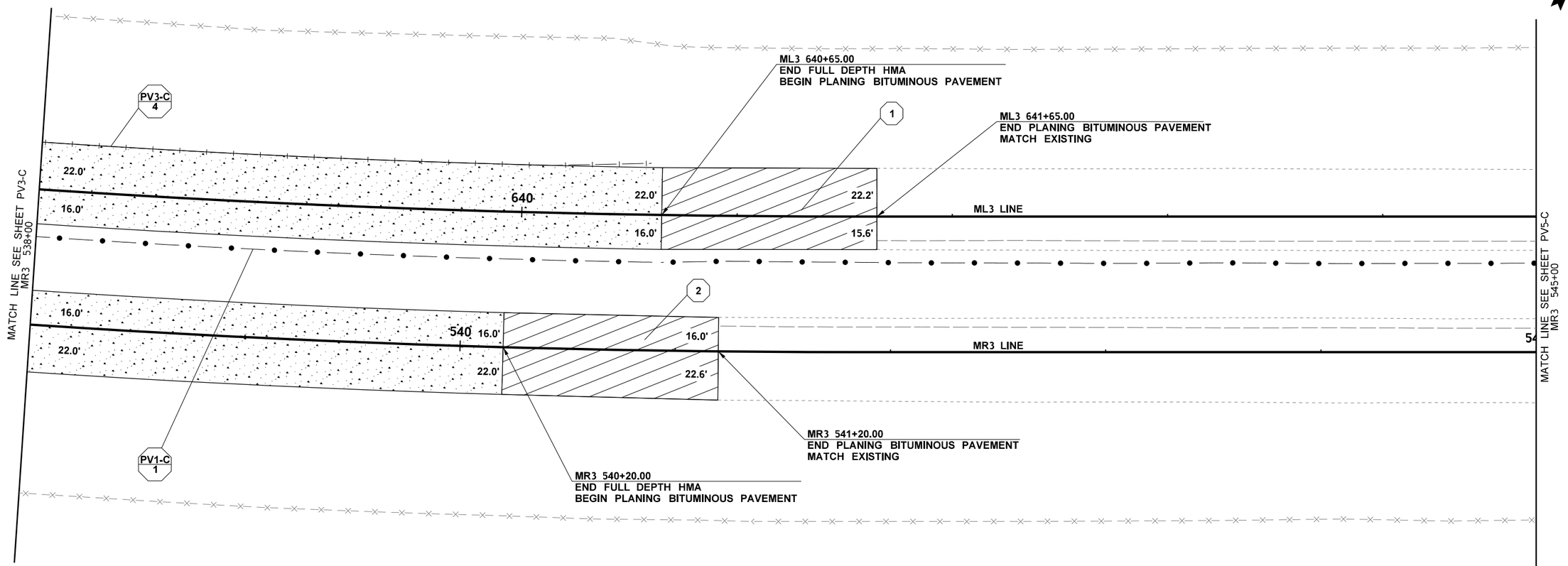
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO PV3-C

SHEET 699 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_PV_003.dgn



LEGEND

- - - - - - - - - - - - - -	EXISTING EDGE OF PAVED SHOULDER
—X— —X— —X—	EXISTING FENCE
—I— —I— —I—	EXISTING GUARDRAIL
— ● — — ● —	EXISTING CABLE BARRIER
————————	NEW EDGE OF PAVED SHOULDER
—X——X——X—	NEW FENCE
—I——I——I—	NEW GUARDRAIL
— ● —— ● —	NEW CABLE BARRIER

0 25 50
SCALE IN FEET

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DATE	12/15/2022
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DESIGNED BY	K. EMERY
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.

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DATE
P.E. STAMP BOX

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Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

PLAN REF NO PV4-C

SHEET 700 OF 1241 SHEETS

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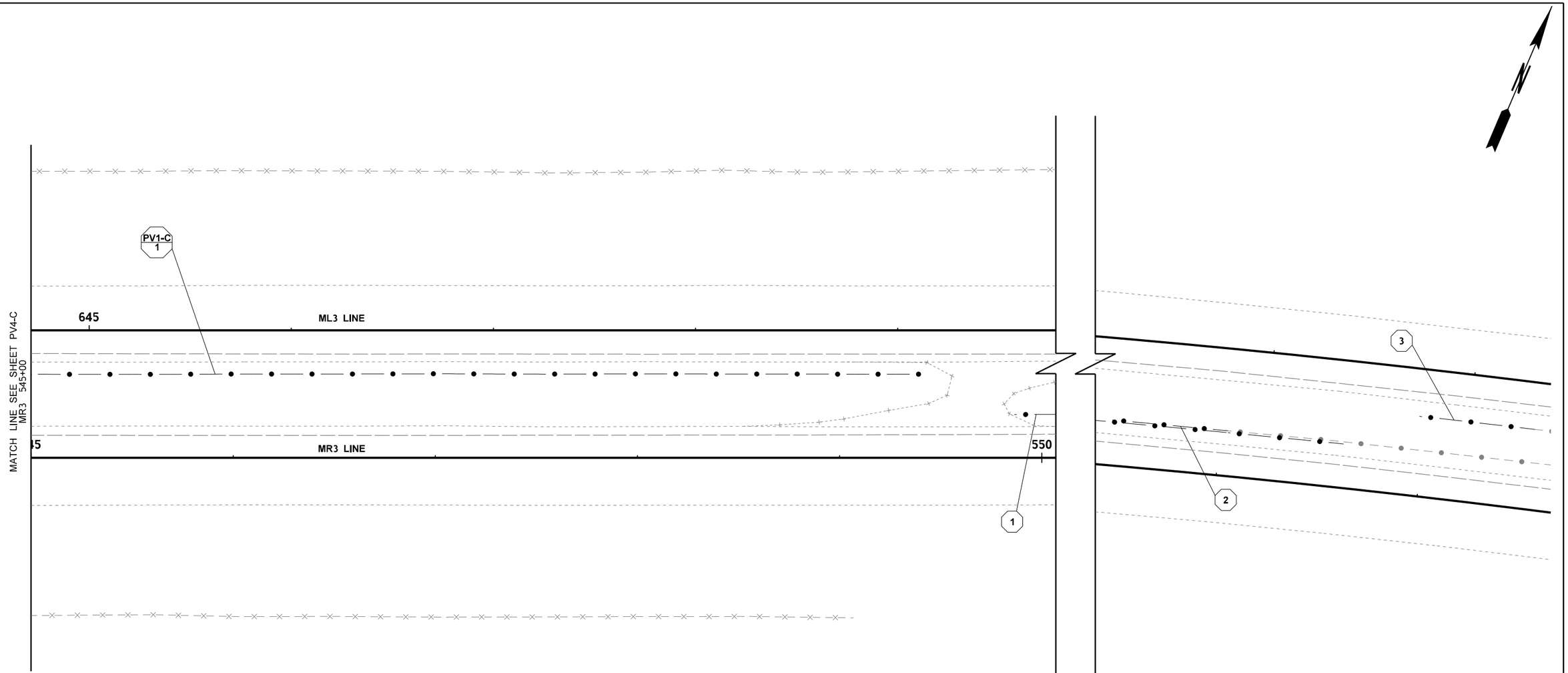

LEGEND

- - - - - - - - - - - - -	EXISTING EDGE OF PAVED SHOULDER
—X— —X— —X—	EXISTING FENCE
—I— —I— —I—	EXISTING GUARDRAIL
— ● — — ● —	EXISTING CABLE BARRIER
————————	NEW EDGE OF PAVED SHOULDER
—X——X——X—	NEW FENCE
—I——I——I—	NEW GUARDRAIL
— ● —— ● —	NEW CABLE BARRIER

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

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DATE	12/15/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
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Washington State
Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVING PLAN

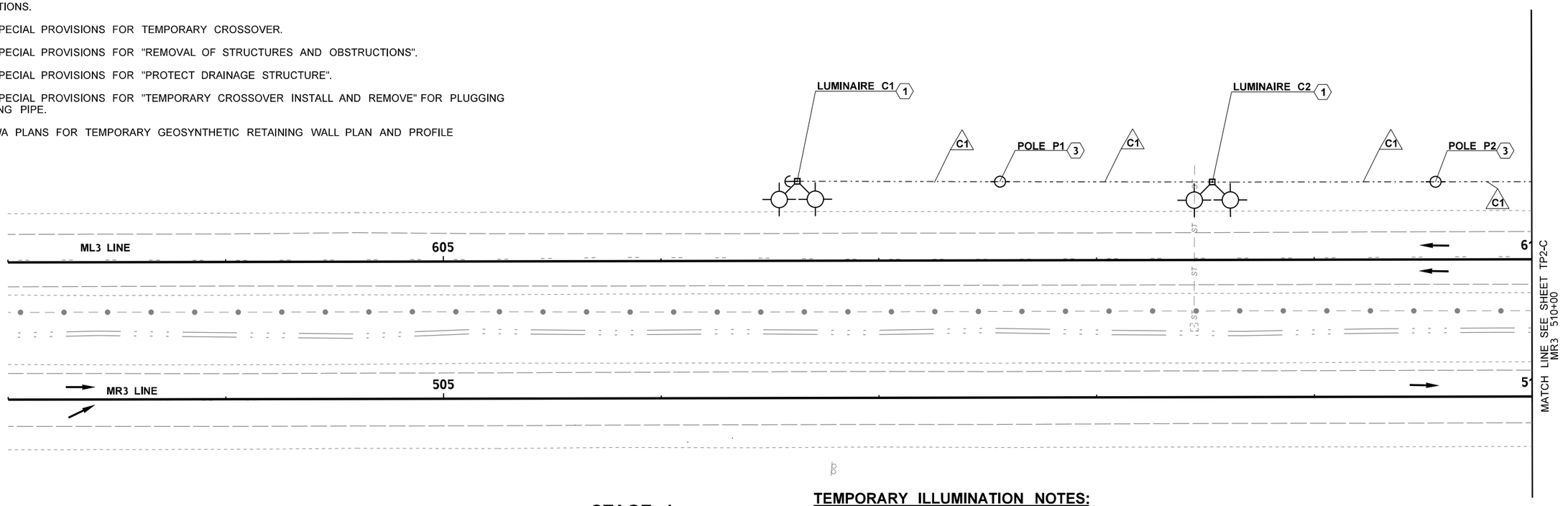
PLAN REF NO
PV5-C

SHEET
701
OF
1241
SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_PV_005.dgn

NOTES:

1. NOT USED
2. REFER TO ALIGNMENT AND RIGHT OF WAY PLANS FOR ALIGNMENT INFORMATION.
3. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
4. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
5. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
6. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
7. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. 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 — — 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_001.dgn
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DATE	1/5/2023
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, 52010438O, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO BUDAY, 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 TP1-C

SHEET 702 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQIFish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_001.dgn

NOTES:

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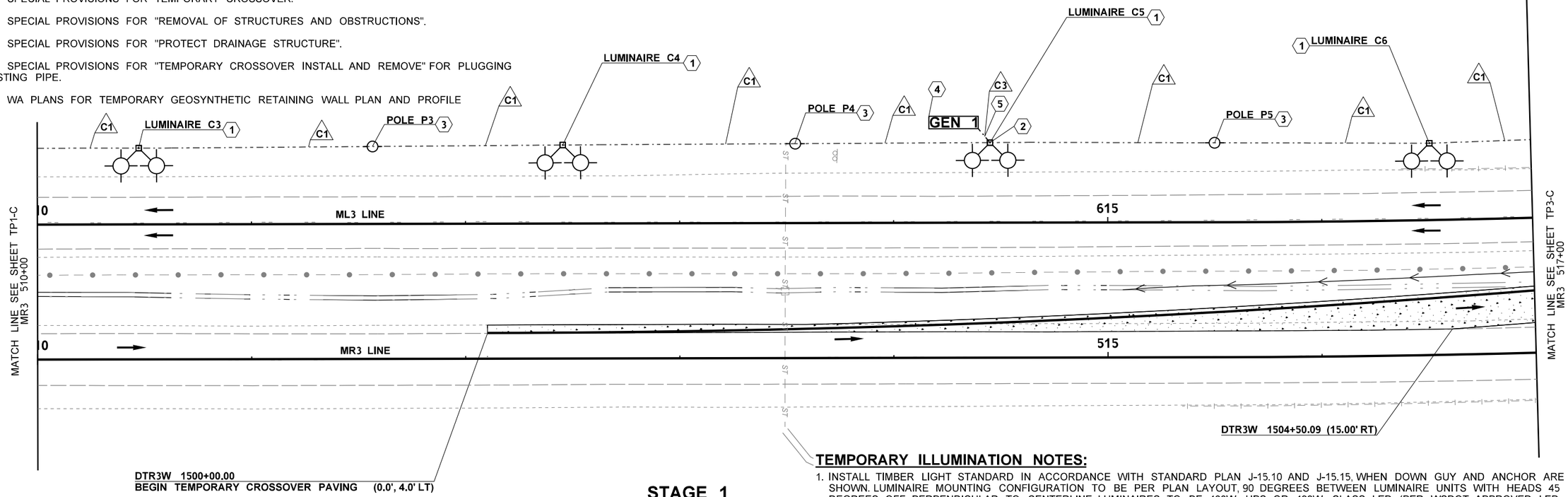
3. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
4. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
5. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
6. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
7. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. 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
			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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_002.gdn
TIME	4:03:35 PM
DATE	1/5/2023
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 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 TP2-C

SHEET 703 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_002.dgn

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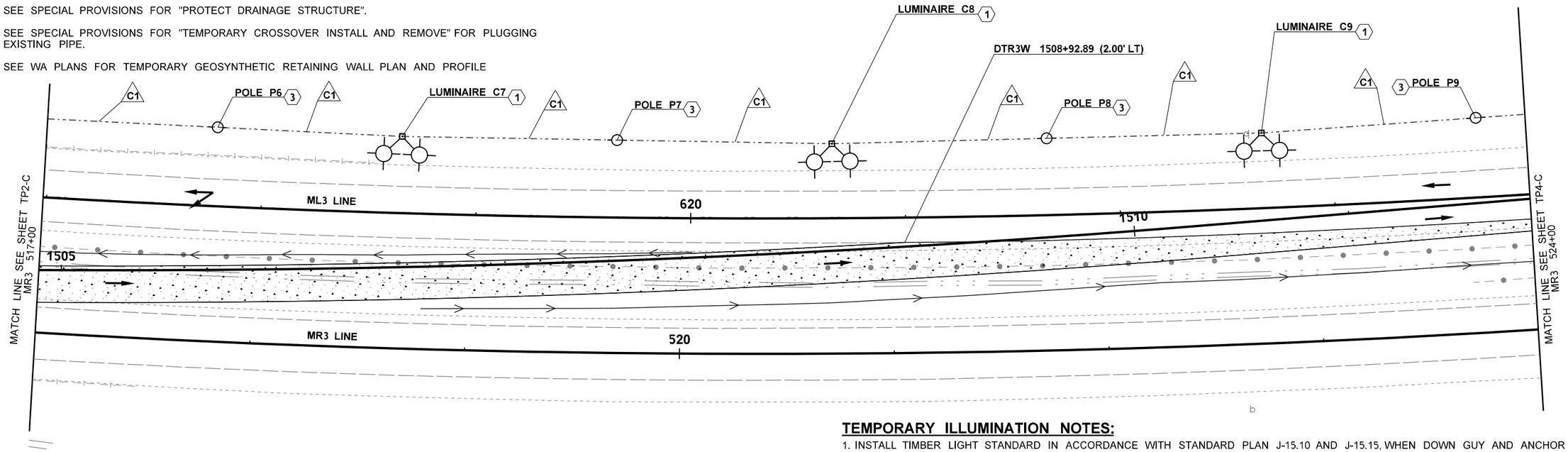

STAGE 1
EB LANES CLOSURE

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
	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:

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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_003.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	4:03:42 PM				JOB NUMBER 21C522		
DATE	1/5/2023						
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.

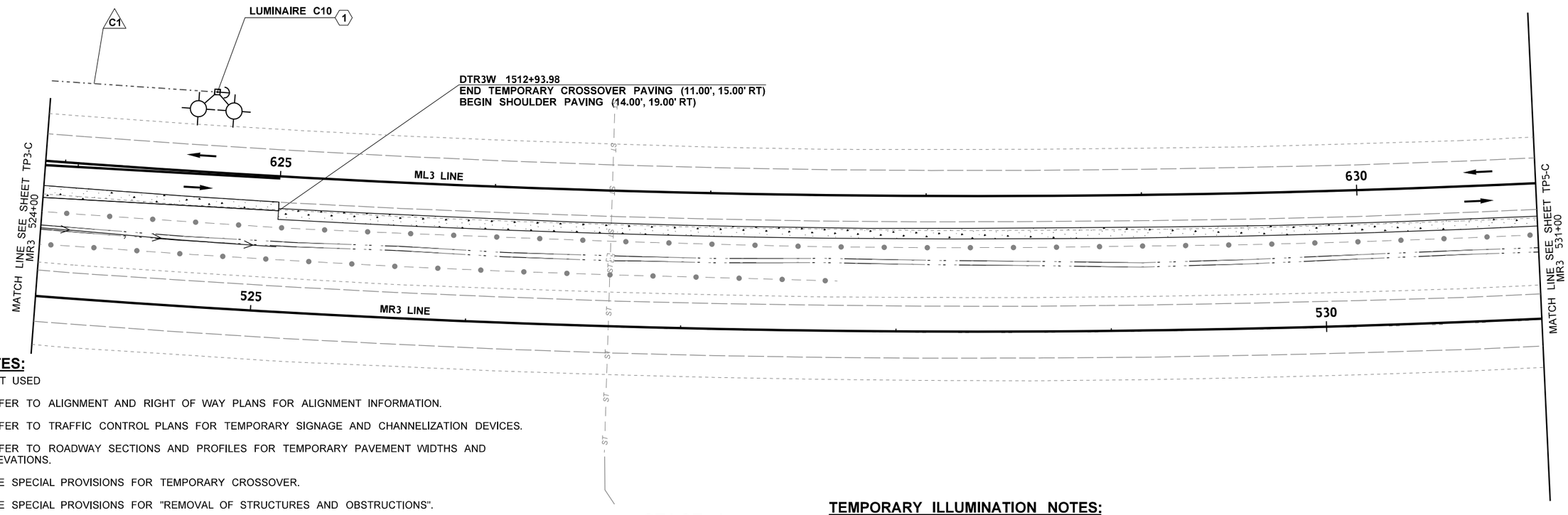
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP3-C

SHEET 704 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_003.dgn



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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
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
- ST —	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN	—X— —X—	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

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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_004.dgn
TIME	4:03:49 PM
DATE	1/5/2023
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 SAGONA — 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 TP4-C

SHEET 705 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_004.dgn

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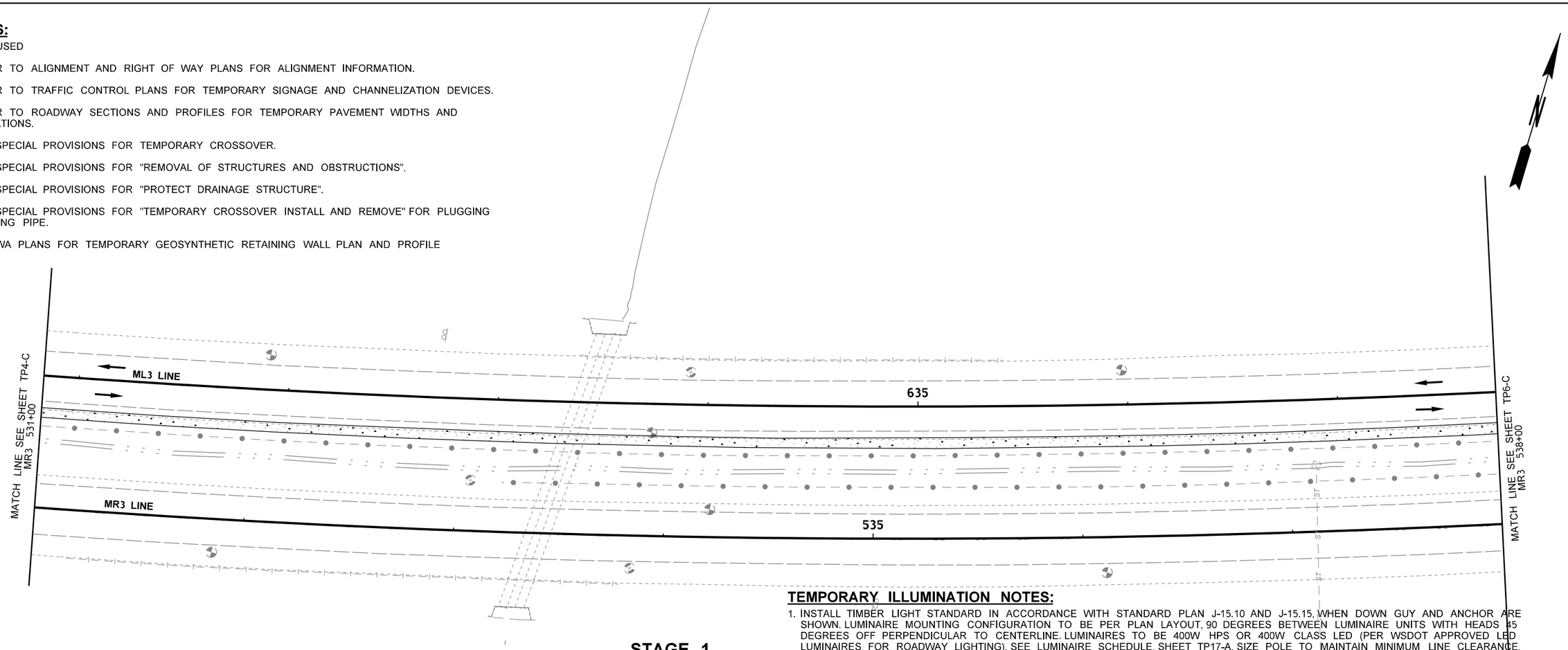

STAGE 1
EB LANES CLOSURE

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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ST	TEMPORARY NEW SCHEDULE A STORM SEWER PIPE		EXISTING CATCH BASIN		EXISTING FENCE
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TIME	4:03:56 PM
DATE	1/5/2023
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
CHECKED BY	M. FELIBERTI
PROJ. ENGR.	B. ELLIOTT
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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

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP5-C

SHEET 706 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_005.dgn

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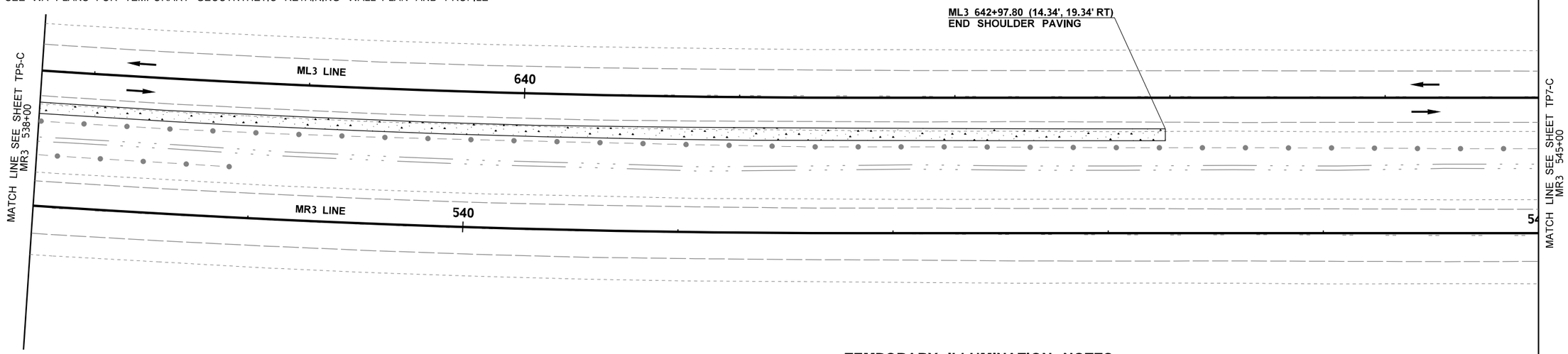
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



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.
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.
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_006.dgn
TIME	4:04:03 PM
DATE	1/5/2023
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 ROHAN, 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 TP6-C

SHEET 707 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrk\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_006.dgn

NOTES:

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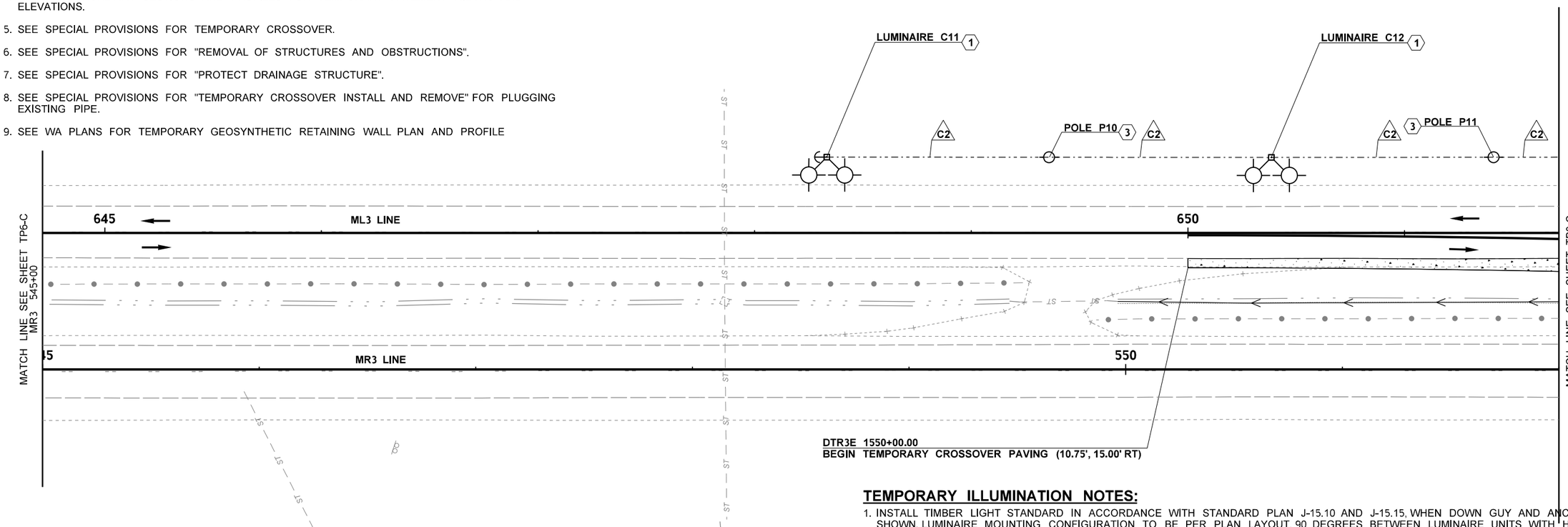

STAGE 1
EB LANES CLOSURE

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
	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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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:04:10 PM
DATE	1/5/2023
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 TP7-C

SHEET 708 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_007.dgn

NOTES:

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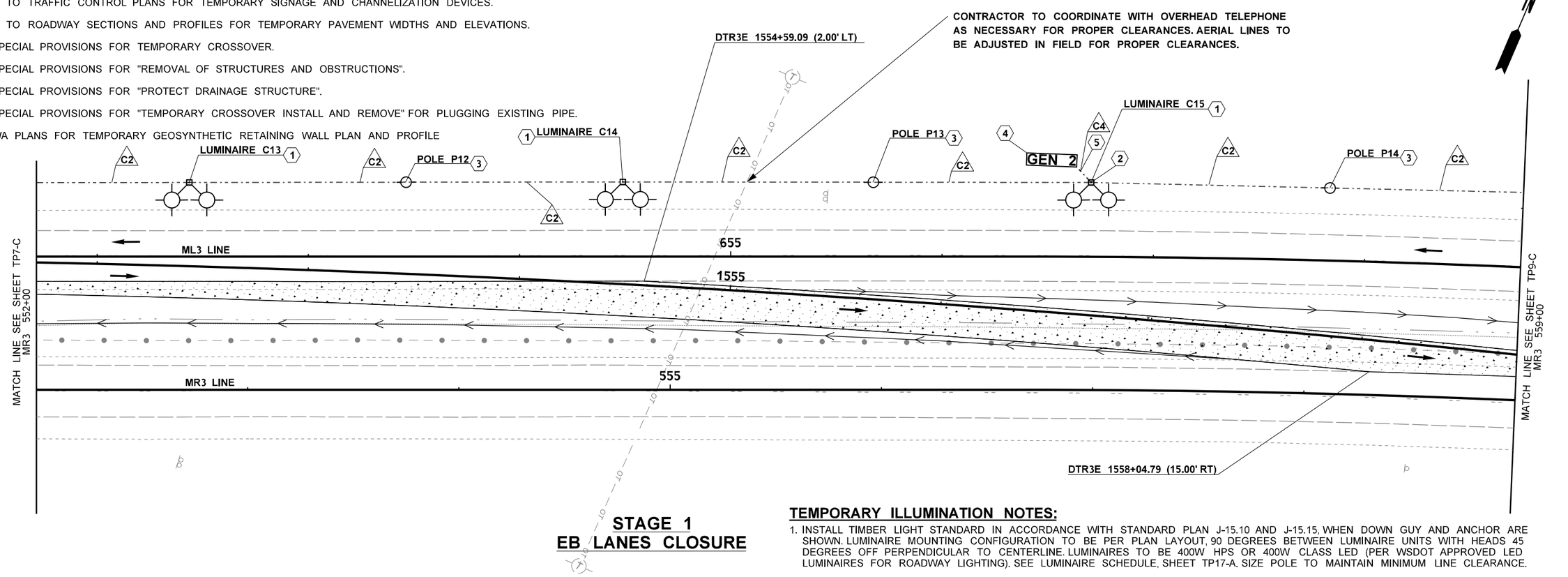

STAGE 1
EB LANES CLOSURE

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
	TEMPORARY PAVEMENT		SEQUENTIAL ARROW BOARD		EXISTING POWER POLE
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	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
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:04:16 PM
DATE	1/5/2023
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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 TP8-C
SHEET 709 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_008.dgn

NOTES:

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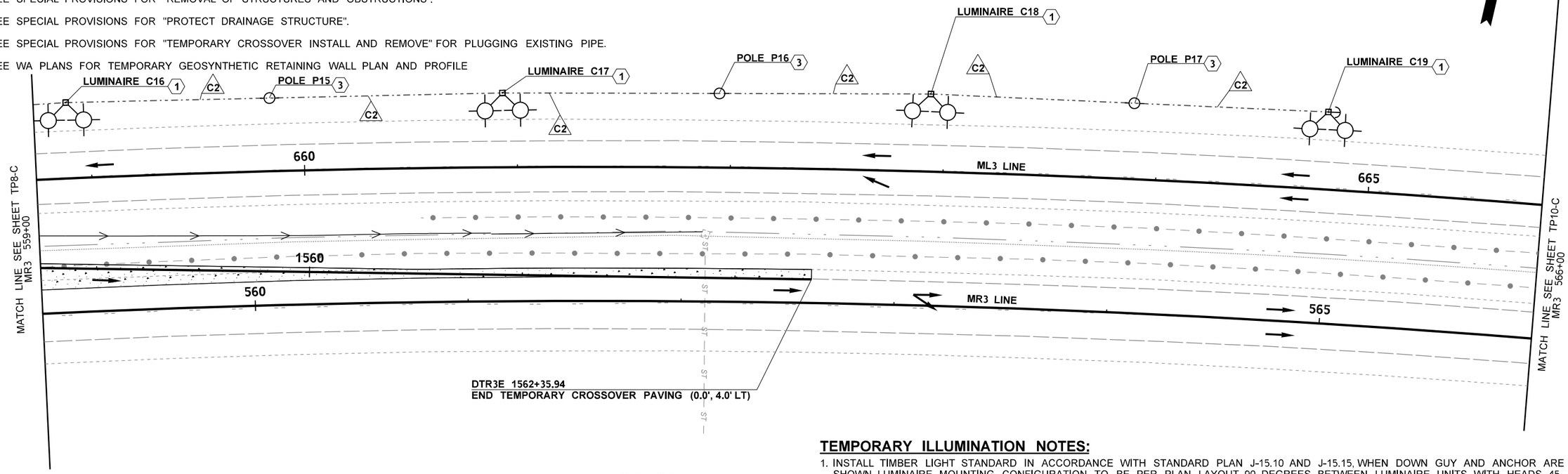

STAGE 1
EB LANES CLOSURE

LEGEND

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	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

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DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
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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 TP9-C

SHEET 710 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_009.dgn

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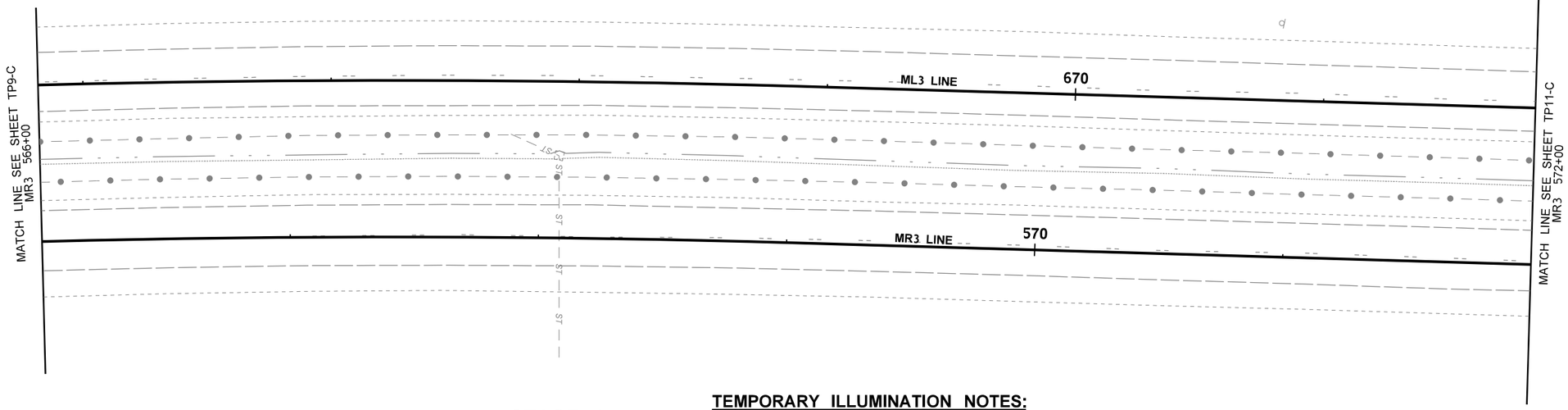

STAGE 1
EB LANES CLOSURE

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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage1_010.dgn
TIME	4:04:29 PM
DATE	1/5/2023
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
10	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

ANTHONY OTTO BOLLEN, 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 TP10-C
SHEET 711 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_010.dgn

NOTES:

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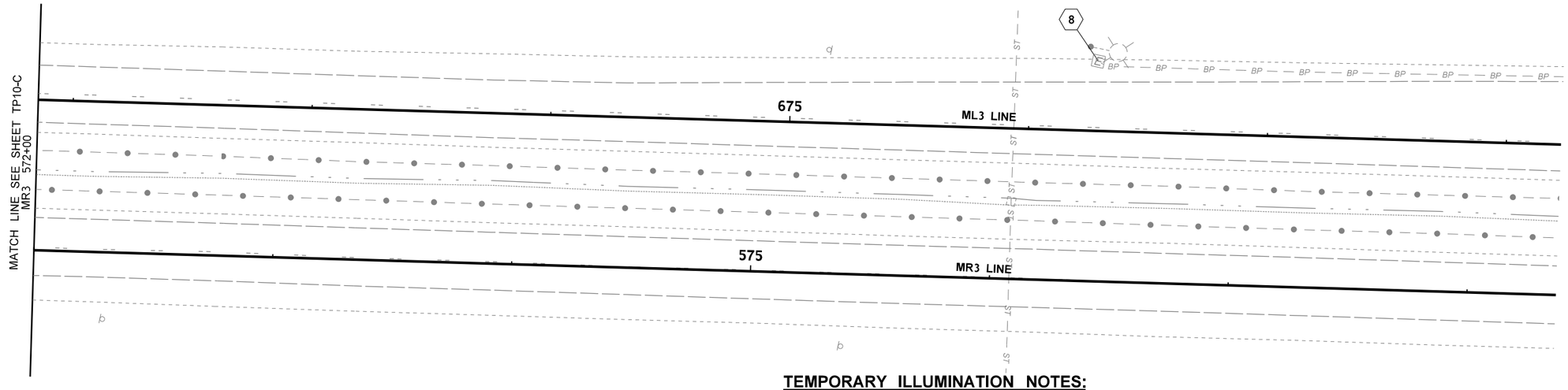
3. REFER TO TRAFFIC CONTROL PLANS FOR TEMPORARY SIGNAGE AND CHANNELIZATION DEVICES.
4. REFER TO ROADWAY SECTIONS AND PROFILES FOR TEMPORARY PAVEMENT WIDTHS AND ELEVATIONS.
5. SEE SPECIAL PROVISIONS FOR TEMPORARY CROSSOVER.
6. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
7. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. 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		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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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:04:35 PM
DATE	1/5/2023
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
10	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

ANTHONY OTTO BOLLEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
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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-C
SHEET 712 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage1_011.dgn

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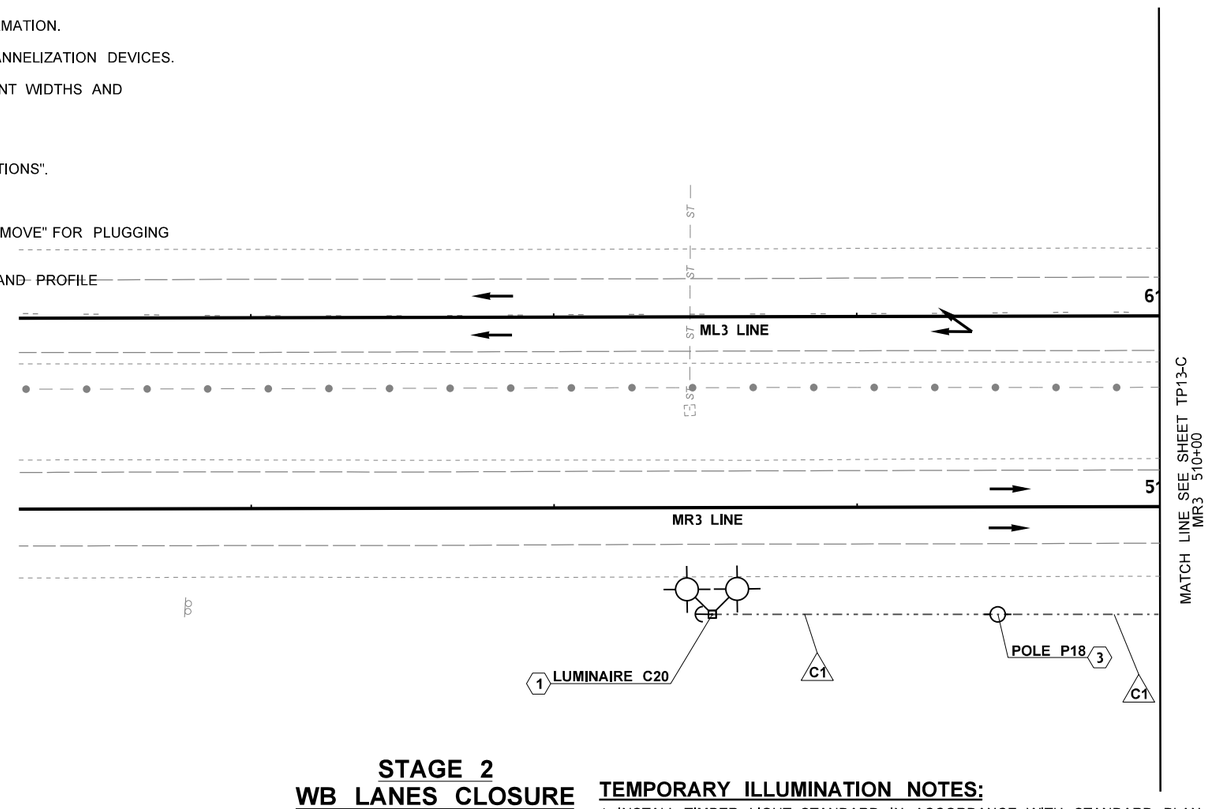

STAGE 2
WB LANES CLOSURE

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.
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LEGEND

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	EXISTING METAL LIGHT STANDARD		TYPE 3 BARRICADE		TEMPORARY POWER POLE
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	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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:04:42 PM
DATE	1/5/2023
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 TP12-C
SHEET 713 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_012.dgn

NOTES:

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6. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
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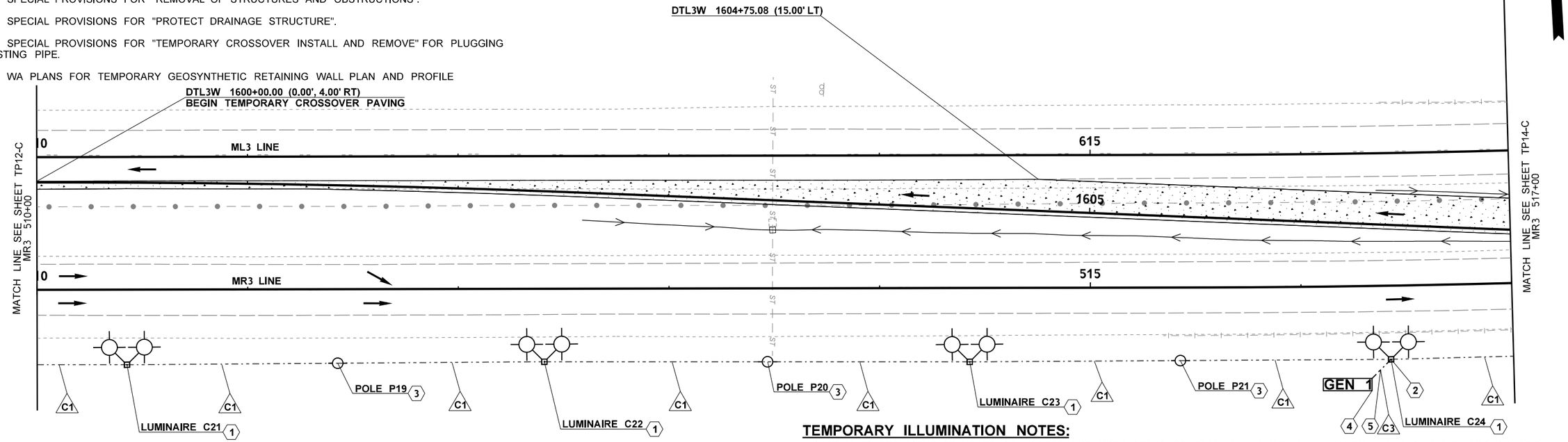
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



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.
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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
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	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
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SCALE IN FEET

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TIME	4:04:49 PM
DATE	1/5/2023
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DESIGNED BY	M. RAGUSE
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REVISION | DATE | BY

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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

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP13-C

SHEET 714 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_013.dgn

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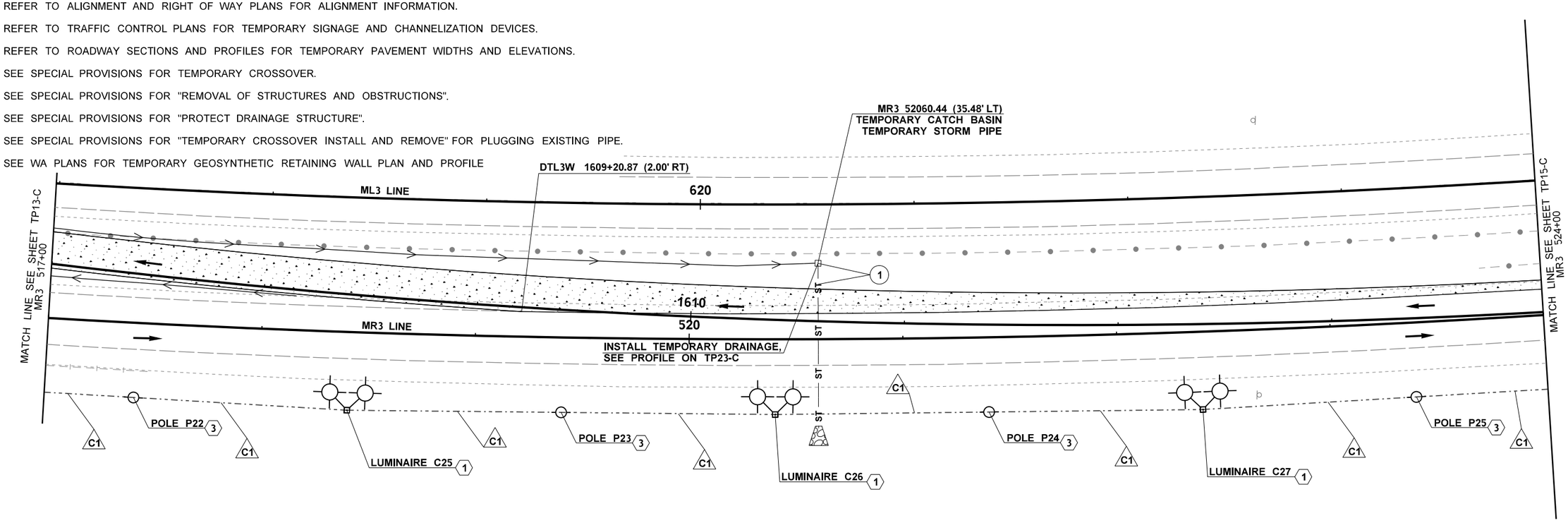

STAGE 2
WB LANES CLOSURE

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
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	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.
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.
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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.
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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 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_014.dgn
TIME	4:04:56 PM
DATE	1/5/2023
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.

JASON 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 TP14-C
SHEET 715 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_014.dgn

NOTES:

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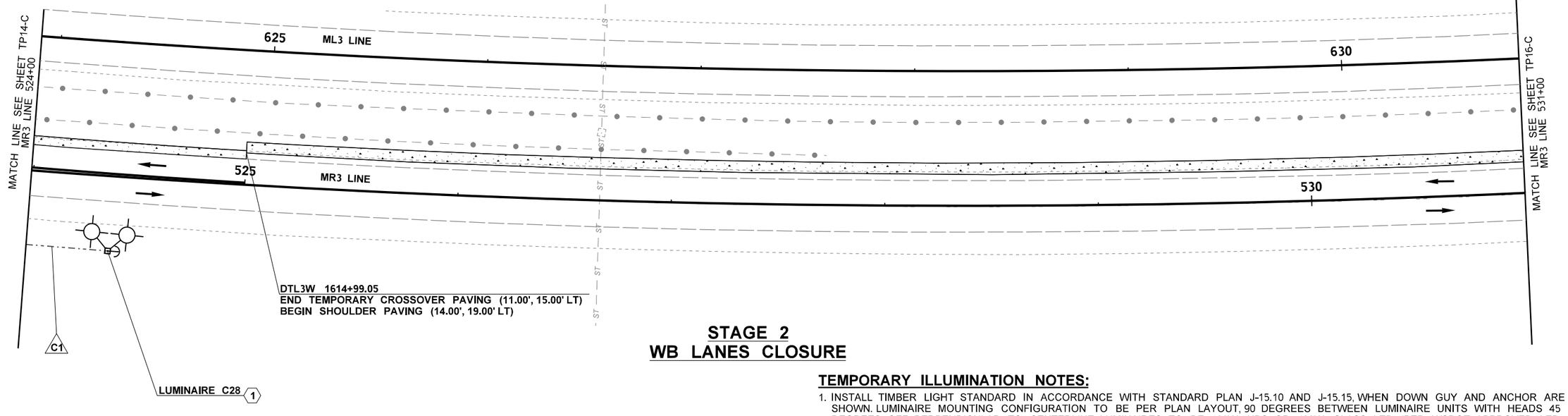
7. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

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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 — — 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_015.dgn
TIME	4:05:04 PM
DATE	1/5/2023
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
10	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

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 TP15-C
SHEET 716 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrkDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_015.dgn

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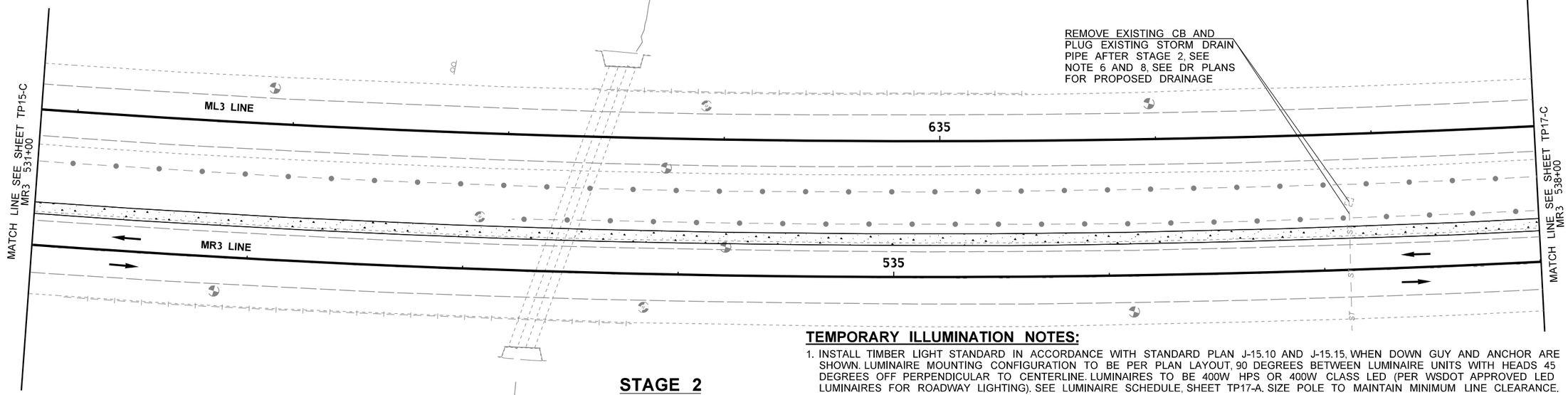

STAGE 2
WB LANES CLOSURE

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
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- 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
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER PLAN

PLAN REF NO TP16-C

SHEET 717 OF 1241 SHEETS

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DATE	1/5/2023
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

ANTHONY OTTO ROHAN, 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.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_016.dgn

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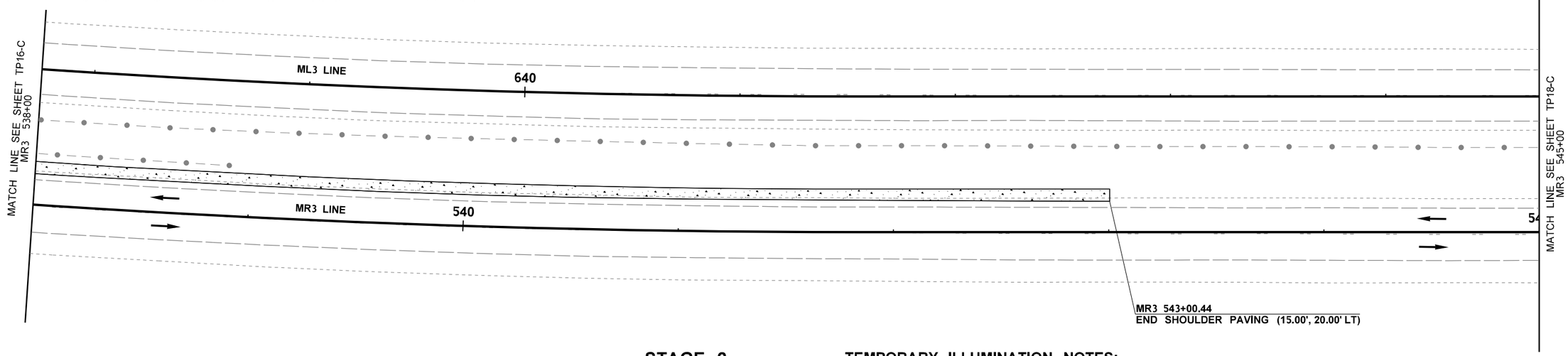
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



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
		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
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0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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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 TP17-C
SHEET 718 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_017.dgn

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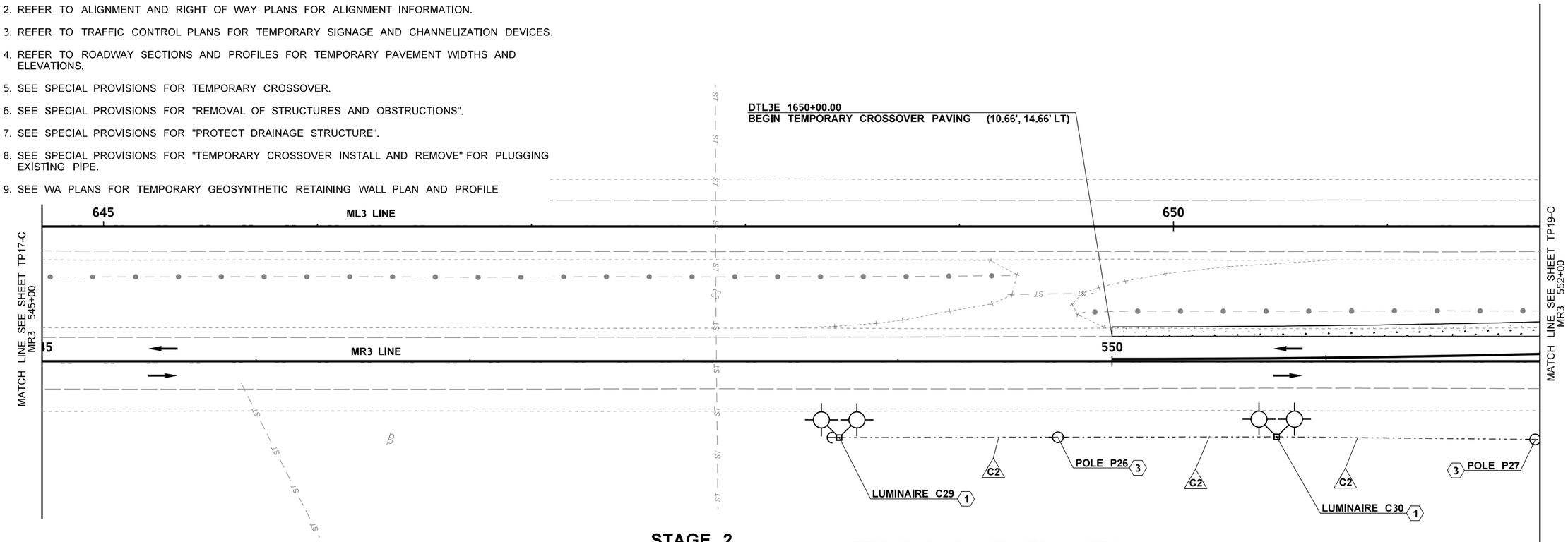

STAGE 2
WB LANES CLOSURE

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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.
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 — — 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_018.dgn
TIME	4:05:25 PM
DATE	1/5/2023
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 SAGONA, STATE OF WASHINGTON, 20104380, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO WILKEN, STATE OF WASHINGTON, 49548, REGISTERED PROFESSIONAL ENGINEER
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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

TEMPORARY CROSSOVER PLAN

PLAN REF NO
TP18-C

SHEET 719 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_018.dgn

NOTES:

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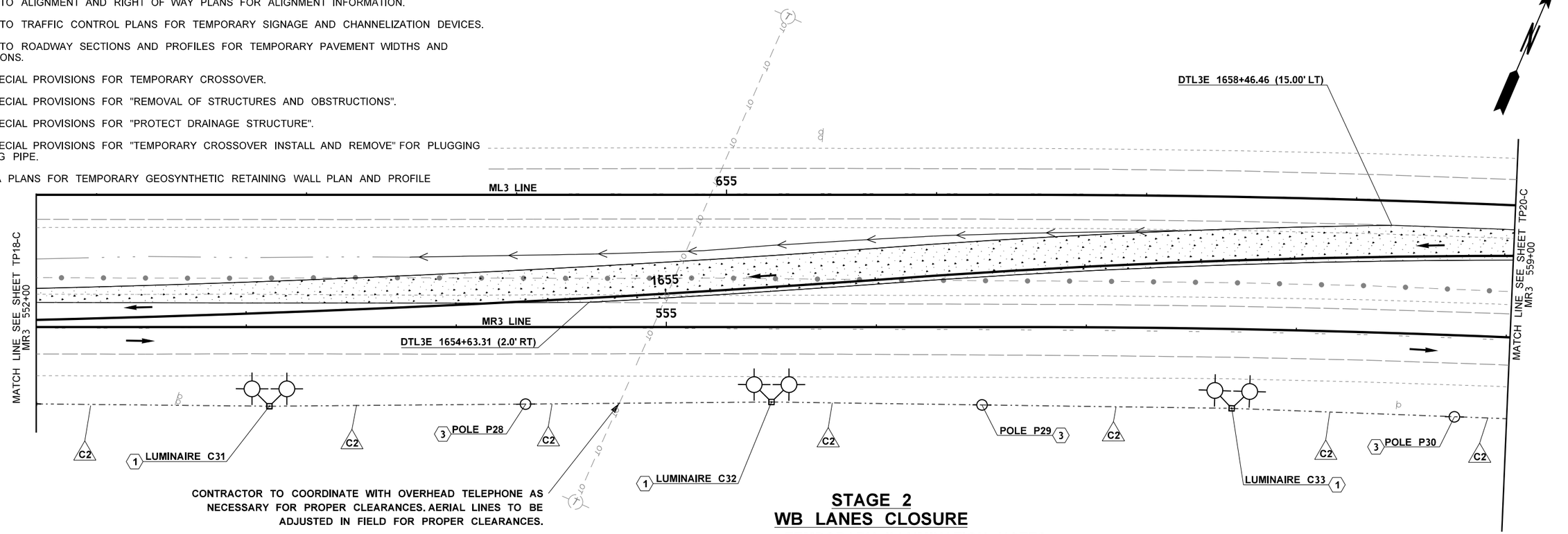
6. SEE SPECIAL PROVISIONS FOR "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".
7. SEE SPECIAL PROVISIONS FOR "PROTECT DRAINAGE STRUCTURE".
8. SEE SPECIAL PROVISIONS FOR "TEMPORARY CROSSOVER INSTALL AND REMOVE" FOR PLUGGING EXISTING PIPE.
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



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.
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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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_019.dgn
TIME	4:05:31 PM
DATE	1/5/2023
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 TP19-C

SHEET 720 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_019.dgn

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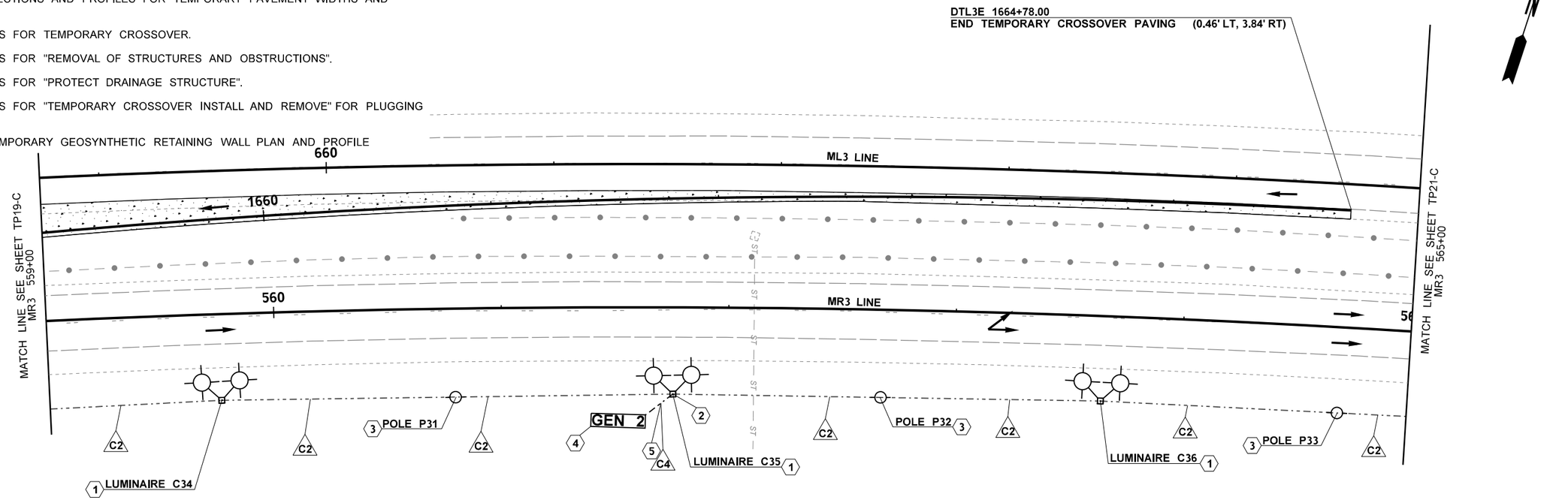
9. SEE WA PLANS FOR TEMPORARY GEOSYNTHETIC RETAINING WALL PLAN AND PROFILE



STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

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LEGEND

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- 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	4:05:38 PM
DATE	1/5/2023
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, 52010438O, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

ANTHONY OTTO BUDAN, 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
TP20-C

SHEET 721 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQIFish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_020.dgn

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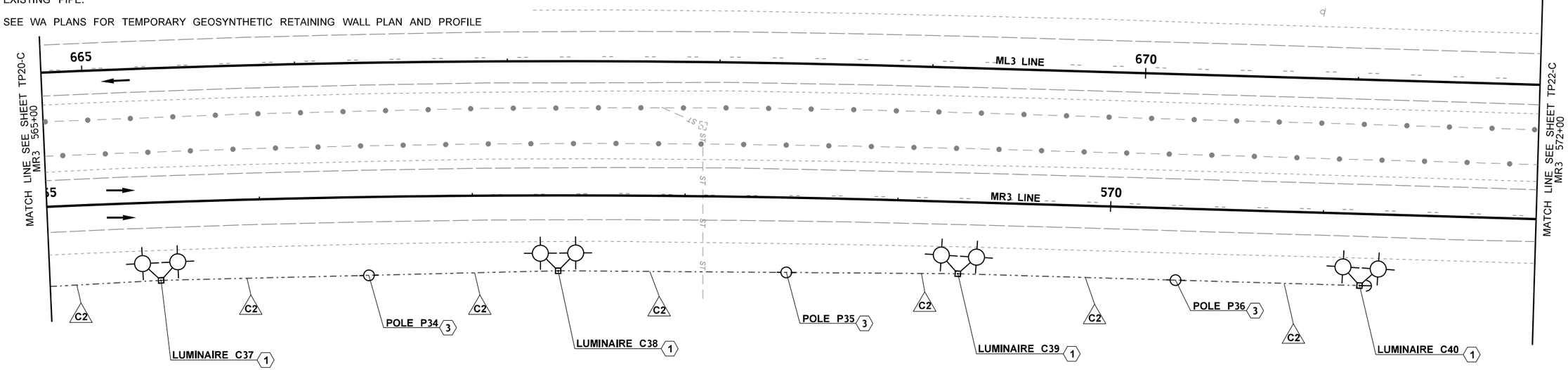

STAGE 2
WB LANES CLOSURE

TEMPORARY ILLUMINATION NOTES:

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0 25 50
SCALE IN FEET

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FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_021.dgn
TIME	4:05:45 PM
DATE	1/5/2023
PLOTTED BY	Fts
DESIGNED BY	M. RAGUSE
ENTERED BY	H. EILERS
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PROJ. ENGR.	B. ELLIOTT
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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10	WASH	ARPA001
JOB NUMBER 21C522		
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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 TP21-C

SHEET 722 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQIFish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_021.dgn

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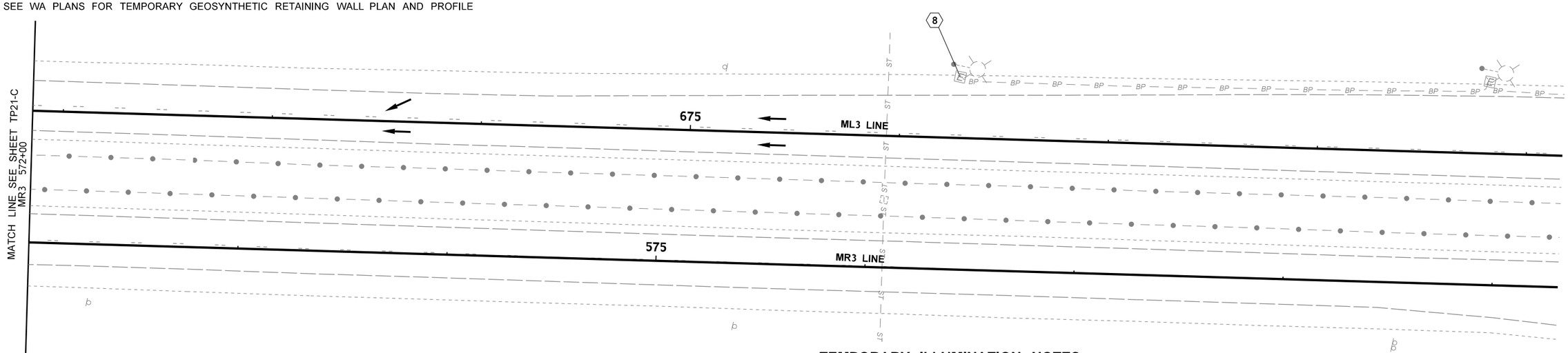

STAGE 2
WB LANES CLOSURE

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
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	NEW AERIAL CONDUCTORS	?	WIRE NOTE		EXISTING LANE LINE
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	TEMPORARY DITCH LINE	?? ??	TEMPORARY STRUCTURE NOTE CONTINUATION		NEW CABLE BARRIER
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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.

0 25 50
SCALE IN FEET

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_TP_Stage2_022.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ARPA001
TIME	4:05:51 PM				JOB NUMBER 21C522		
DATE	1/5/2023						
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 TP22-C

SHEET 723 OF 1241 SHEETS

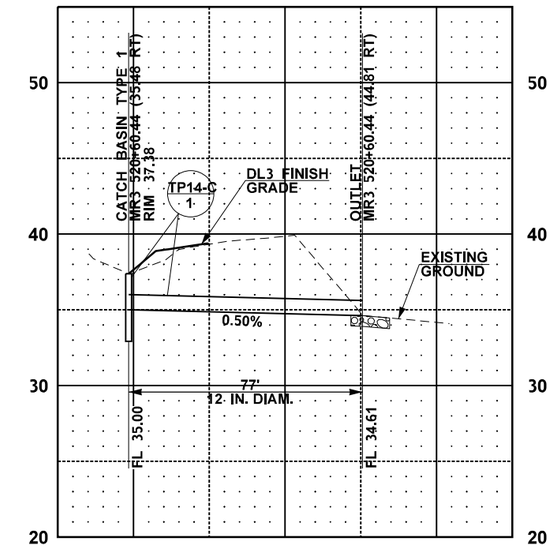
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_TP_Stage2_022.dgn

TEMPORARY LUMINAIRE SCHEDULE GENERATOR

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	COMMENTS
C1	GEN 1	ML3 606+62.62	36.52' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C2	GEN 1	ML3 608+53.25	35.76' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C3	GEN 1	ML3 610+47.40	35.64' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C4	GEN 1	ML3 612+45.48	36.67' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C5	GEN 1	ML3 614+45.09	37.39' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C6	GEN 1	ML3 616+50.83	35.88' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C7	GEN 1	ML3 618+64.71	35.66' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C8	GEN 1	ML3 620+65.86	34.66' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C9	GEN 1	ML3 622+67.10	34.99' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C10	GEN 1	ML3 624+68.37	37.36' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C11	GEN 2	ML3 648+33.29	35.06' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C12	GEN 2	ML3 650+38.52	34.86' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C13	GEN 2	ML3 652+43.64	35.08' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C14	GEN 2	ML3 654+48.85	35.34' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C15	GEN 2	ML3 656+70.36	35.18' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C16	GEN 2	ML3 658+89.22	35.66' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C17	GEN 2	ML3 660+93.21	34.91' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C18	GEN 2	ML3 662+93.24	36.49' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C19	GEN 2	ML3 664+78.97	36.43' LT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C20	GEN 1	MR3 508+52.13	35.20' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C21	GEN 1	MR3 510+42.65	35.66' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C22	GEN 1	MR3 512+40.78	34.62' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C23	GEN 1	MR3 514+42.68	35.10' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C24	GEN 1	MR3 516+42.17	34.98' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C25	GEN 1	MR3 518+41.07	36.59' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C26	GEN 1	MR3 520+40.28	35.20' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C27	GEN 1	MR3 522+39.26	36.39' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C28	GEN 1	MR3 524+38.09	35.02' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C29	GEN 2	MR3 548+72.50	35.75' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C30	GEN 2	MR3 550+76.99	35.41' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C31	GEN 2	MR3 553+11.02	37.73' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C32	GEN 2	MR3 555+50.11	35.73' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C33	GEN 2	MR3 557+69.95	37.81' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C34	GEN 2	MR3 559+75.98	37.88' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C35	GEN 2	MR3 561+75.51	38.12' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C36	GEN 2	MR3 563+64.67	37.36' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C37	GEN 2	MR3 565+52.49	36.61' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C38	GEN 2	MR3 567+40.33	35.34' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C39	GEN 2	MR3 569+9.14	33.64' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES
C40	GEN 2	MR3 571+17.95	33.64' RT	III - MED CUTTOFF - 400W LED EQ.	12	60	BURIED	2 LUMINAIRES

TEMPORARY POLES

POLE NO.	LOCATION STATION	LOCATION OFFSET
P1	ML3 607+55.80	36.14' LT
P2	ML3 609+55.81	35.79' LT
P3	ML3 611+56.63	36.17' LT
P4	ML3 613+53.99	37.08' LT
P5	ML3 615+49.92	37.08' LT
P6	ML3 617+78.15	36.71' LT
P7	ML3 619+65.29	36.04' LT
P8	ML3 621+66.47	35.71' LT
P9	ML3 623+67.70	37.06' LT
P10	ML3 649+35.87	34.96' LT
P11	ML3 651+41.08	34.97' LT
P12	ML3 653+46.34	35.21' LT
P13	ML3 655+67.50	35.21' LT
P14	ML3 657+82.79	34.35' LT
P15	ML3 659+84.45	34.38' LT
P16	ML3 661+94.41	34.81' LT
P17	ML3 663+88.30	35.68' LT
P18	MR3 509+46.39	35.42' RT
P19	MR3 511+42.66	35.14' RT
P20	MR3 513+46.61	34.86' RT
P21	MR3 515+42.68	34.72' RT
P22	MR3 517+41.64	34.92' RT
P23	MR3 519+40.67	35.03' RT
P24	MR3 521+39.78	34.93' RT
P25	MR3 523+38.66	34.84' RT
P26	MR3 549+74.74	35.58' RT
P27	MR3 551+97.73	36.61' RT
P28	MR3 554+32.76	36.71' RT
P29	MR3 556+50.23	37.11' RT
P30	MR3 558+76.77	38.85' RT
P31	MR3 560+79.43	38.90' RT
P32	MR3 562+67.29	38.56' RT
P33	MR3 564+69.39	37.72' RT
P34	MR3 566+50.71	36.74' RT
P35	MR3 568+48.19	35.12' RT
P36	MR3 570+31.48	33.64' RT



TEMPORARY WIRING SCHEDULE GENERATOR

NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
C1	AERIAL		#6 ACSR TRIPLEX	GEN 1	
C2	AERIAL		#6 ACSR TRIPLEX	GEN 2	
C3	2" SCH. 80		3-#6 AWG	GEN 1	
C4	2" SCH. 80		3-#6 AWG	GEN 2	

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

TEMPORARY CROSSOVER DETAILS

PLAN REF NO TP23-C

SHEET 724 OF 1241 SHEETS

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_DE_TP_001.dgn
TIME	4:45:06 PM
DATE	1/5/2023
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.

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.

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_DE_TP_001.dgn

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-C-1	ML3 609+51.57 (12.0 LT) TO 674+25.39 (14.6 LT)			6440													1
MK1-C-2	ML3 609+51.57 (0.0 RT) TO 674+25.39 (2.6 LT)				6470				0.8								1, 2
MK1-C-3	ML3 609+51.57 (12.0 RT) TO 674+25.39 (9.4 RT)			6480					0.8								1, 2
MK1-C-4	MR3 502+00.00 (12.0 LT) TO 564+76.00 (10.9 LT)			6270					0.8								1, 2
MK1-C-5	MR3 502+00.00 (0.0 LT) TO 564+76.00 (1.1 LT)				6280				0.8								1, 2
MK1-C-6	MR3 502+00.00 (12.0 RT) TO 564+76.00 (13.1 RT)			6280													1
MK1-C-7	ML3 610+00.00 (13.2 RT) TO 616+08.64 (13.2 RT)							0.1									7
MK1-C-8	MR3 512+10.25 (13.2 LT) TO 541+20.00 (13.2 LT)							0.6									7
MK1-C-9	ML3 613+42.52 (RT) AND 615+67.64 (RT)		2														5, 6
MK1-C-10	MR3 514+44.7(LT) AND 516+69.7 (LT)		2														5, 6
MK1-C-11	ML3 613+49.5 (LT & RT)						2										3
MK1-C-12	MR3 513+49.1 (LT & RT)						2										3
MK2-C-1	MR3 518+94.7 (LT) AND MR3 521+19.7 (LT)		2														5, 6
MK2-C-2	ML3 617+92.7 (RT) AND ML3 620+17.7 (RT)		2														5, 6
MK2-C-3	ML3 619+65.4 (13.2 RT) TO ML3 641+65.0 (13.2 RT)							0.4									7
MK2-C-4	ML3 622+42.7 (RT) TO ML3 623+57.7 (LT)		2														5, 6
MK2-C-5	MR3 523+44.7(LT) TO MR3 526+82.2 (RT)		3														5, 6
MK2-C-6	ML3 625+85 (13.2 LT) T0 ML3 641+65 (13.2 LT)							0.3									7
MK2-C-7	MR3 526+75 (13.2 RT) TO MR3 541+20 (13.2 RT)							0.3									7
MK2-C-8	ML3 628+05.2 (LT) AND ML3 629+17.7 (RT)		2														5, 6
MK2-C-9	MR3 527+94.7 TO 530+19.8 (LT & RT)		3														5, 6
MK2-C-10	ML3 630+30.2 (LT)		1														5, 6
MK2-C-11	NOT USED																
MK2-C-12	MR3 522+19.5 (LT)		1				1										4, 5
MK2-C-13	ML3 620+66.5 (LT)		1				1										4, 5
MK2-C-14	MR3 526+48.0 (LT)		1				1										4, 5
MK2-C-15	MR3 526+72.2 (LT)		1				1										4, 5
MK2-C-16	MR3 526+66.4 (LT & RT)						2										3
MK2-C-17	ML3 626+54.3 (LT & RT))						2										3
MK2-C-18	ML3 628+60.0 (LT)		1				1										4, 5
MK2-C-19	MR3 529+66.0 TO 529+72.6 (LT & RT)		1				3										4, 5
MK2-C-20	ML3 624+65.5 (LT)		1														4, 5
MK2-C-21	ML3 624+67.7 TO 626+92.7 (LT & RT)		3														5, 6
MK2-C-22	MR3 527+99.99 (LT)						1										4, 9
	SHEET TOTAL		29	25470	12750		17	1.7	3.2								

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, DRAINAGE STRUCTURE INLET AND CROSS CULVERT
4. SEE STANDARD PLAN M-24.65, BMP DELINEATION, LINEAR TYPE AND DRAINAGE DETAILS FOR OFFSET LOCATIONS
5. SEE STANDARD PLAN M-40.10 GUIDE POST AND BARRIER DELINEATORS
6. SEE STANDARD PLAN M-40.40, GUIDE POST PLACEMENT HORIZONTAL CURVES
7. SEE STANDARD PLAN M-60.10, SHOULDER RUMBLE STRIP TYPE 1 FOR DIVIDED HIGHWAYS
8. SEE STANDARD PLAN M-24.60, CROSS CULVERT
9. SEE DRAINAGE PROFILE SHEETS FOR LOCATIONS OF MFD CLEANOUTS.

DESIGNED BY	K. EMERY					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-C

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-C-1	ML3 631+42.7 (RT)		1															5, 6
MK3-C-2	MR3 531+32.3 (RT) AND 532+44.8 (LT)		2															5, 6
MK3-C-3	ML3 632+55.2 TO 637+05.3 (LT & RT)		5															5, 6
MK3-C-4	MR3 533+57.2 TO 536+94.8 (LT & RT)		4															5, 6
MK3-C-5	ML3 638+17.8 TO 641+55.3 (LT & RT)		4															5, 6
MK3-C-6	MR3 538+07.3 TO 540+32.5 (LT & RT)		3															5, 6
MK3-C-7	MR3 540+20.0 (LT)		1				1											4, 5
MK3-C-8	MR3 542+13.2 (RT)		1				1											4, 5
MK3-C-9	MR3 543+07.9 (LT)		1				2											4, 5
MK3-C-10	ML3 642+13.6 (LT)		1				1											4, 5
MK3-C-11	ML3 642+67.8 (RT)		1															5, 6
MK3-C-12	ML3 642+79.3 (RT)		1				1											4, 5
MK3-C-13	ML3 636+08.3 (14.4' LT)						1											3
MK3-C-14	MR3 537+12.1 (LT & RT)						2											3
MK3-C-15	MR3 538+19.7 (LT) AND 539+20.2 (LT)						2											3
MK4-C-1	ML3 647+08.6 (LT)		1															5, 6
MK4-C-2	MR3 546+17.2 (RT)		1															5, 6
MK4-C-3	ML3 652+69.1 (LT)		1				1											4, 5
MK4-C-4	ML3 647+86.1 (LT & RT)						2											3
MK4-C-5	ML3 647+49.7 (RT)		1				1											4, 5
MK4-C-6	MR3 548+15.3 (LT & RT)						2											3
MK4-C-7	MR3 548+66.3 (LT)		1				1											4, 5
MK4-C-8	ML3 650+00.0 (13.2'RT) TO 655+66.1 (13.2' RT)							0.1										7
MK4-C-9	MR3 550+21.2 (RT)		1															4, 5
MK4-C-10	ML3 650+40.1 (RT) AND 654+27.1 (RT)		4															5, 6
MK4-C-11	MR3 550+00.0 (13.2' LT) TO 555+67.21 (13.2' LT)							0.1										7
MK4-C-12	MR3 554+25.0 (RT)		1				1											4, 5
MK4-C-13	MR3 555+55.1 (LT) AND 557+80.1 (LT)		2															5, 6
MK4-C-14	ML3 656+52.1 (RT) AND 658+77.1 (LT)		2															5, 6
MK4-C-15	MR3 557+40.1 (13.2' LT) TO 562+31.1 (12.6' LT)							0.1										7
MK4-C-16	ML3 657+04.2 (13.2' RT) TO 664+51.0 (12.4' RT)							0.2										7
MK4-C-17	MR3 545+67.9, 547+66.3 AND 546+66.3 (LT)		3															4, 5
MK5-C-1	ML3 560+05.2 (LT) AND 562+30.3 (LT)		2															5, 6
MK5-C-2	MR3 562+11.2 (LT & RT)						2											3
MK5-C-3	ML3 661+02.2 (RT) AND 665+52.2 (RT)		3															5, 6
MK5-C-4	ML3 667+92.1 (RT)						1											3
	SHEET TOTAL		48				22	0.5										
	SECTION C TOTAL		77	25470	12750		39	2.2	3.2									

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, DRAINAGE STRUCTURE INLET AND CROSS CULVERT.

4. SEE STANDARD PLAN M-24.65, BMP DELINEATION, LINEAR TYPE AND DRAINAGE DETAILS FOR OFFSET LOCATIONS

5. SEE STANDARD PLAN M-40.10 GUIDE POST AND BARRIER DELINEATORS

6. SEE STANDARD PLAN M-40.40, GUIDE POST PLACEMENT HORIZONTAL CURVES

7. SEE STANDARD PLAN M-60.10, SHOULDER RUMBLE STRIP TYPE 1 FOR DIVIDED HIGHWAYS

8. SEE STANDARD PLAN M-24.60, CROSS CULVERT

9. SEE DRAINAGE PROFILE SHEETS FOR LOCATIONS OF MFD CLEANOUTS.

DESIGNED BY	K. EMERY						
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		

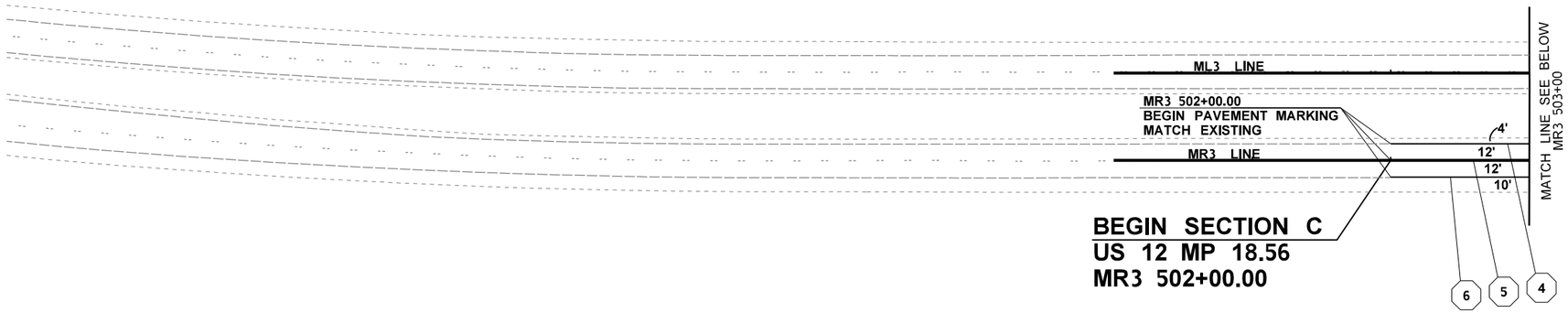
Washington State Department of Transportation

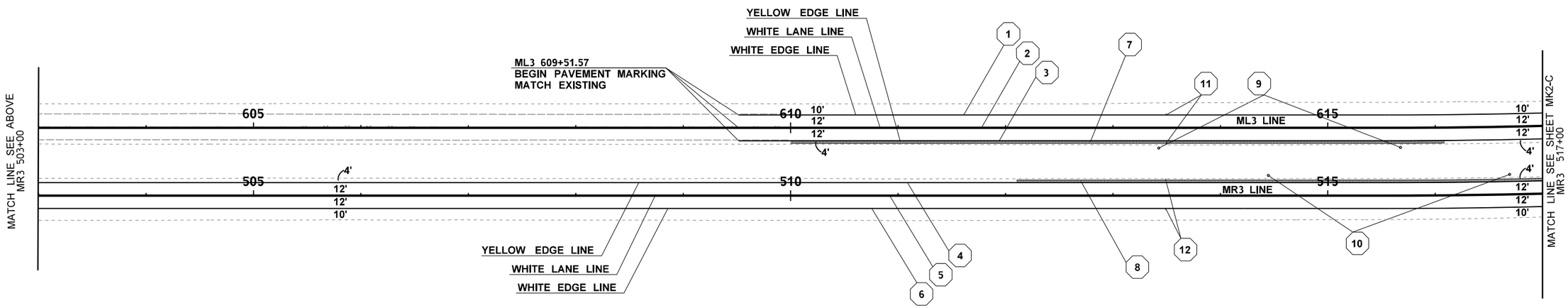
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

QUANTITY TABULATION - PAVEMENT MARKING

QTMK2-C

SHEET 726 **OF** 1241 **SHEETS**





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 UD UD 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_MK_001.dgn
TIME	3:49:11 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

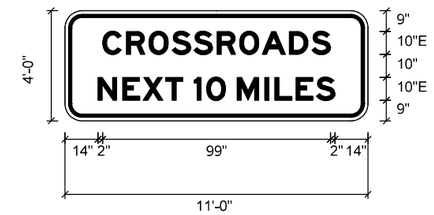
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING & SIGNING PLAN

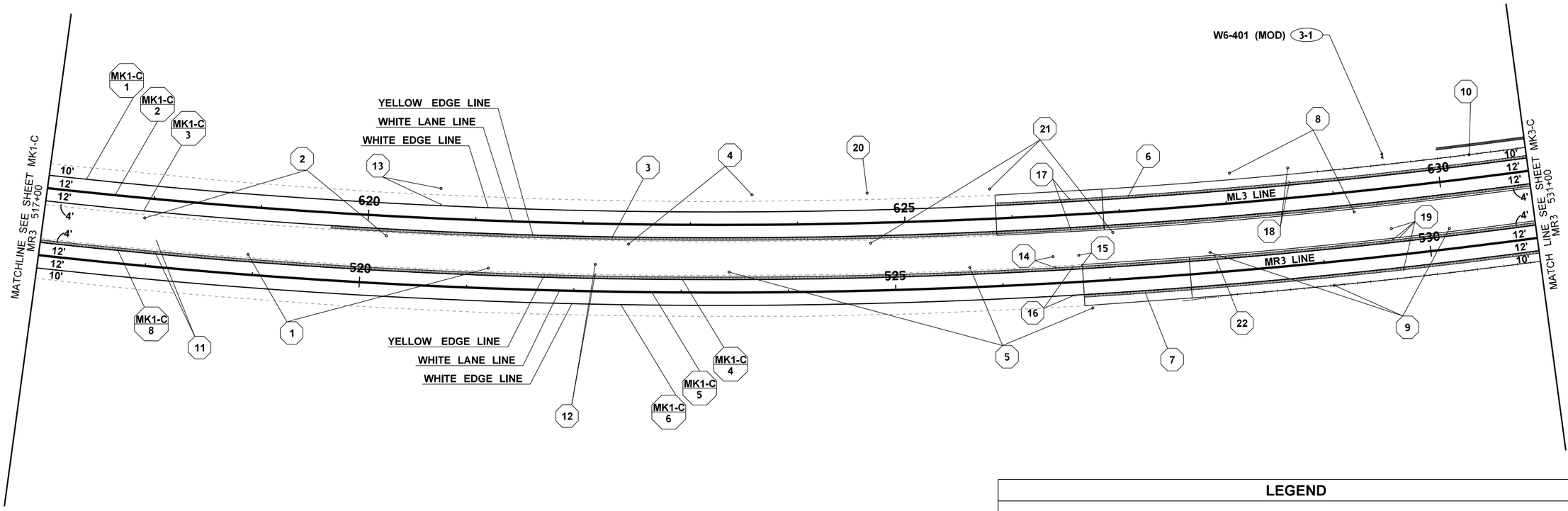
PLAN REF NO
MK1-C

SHEET 727 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_MK_001.dgn



3-1
W6-401 (MOD)
BLACK ON YELLOW



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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

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TIME	3:49:18 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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.

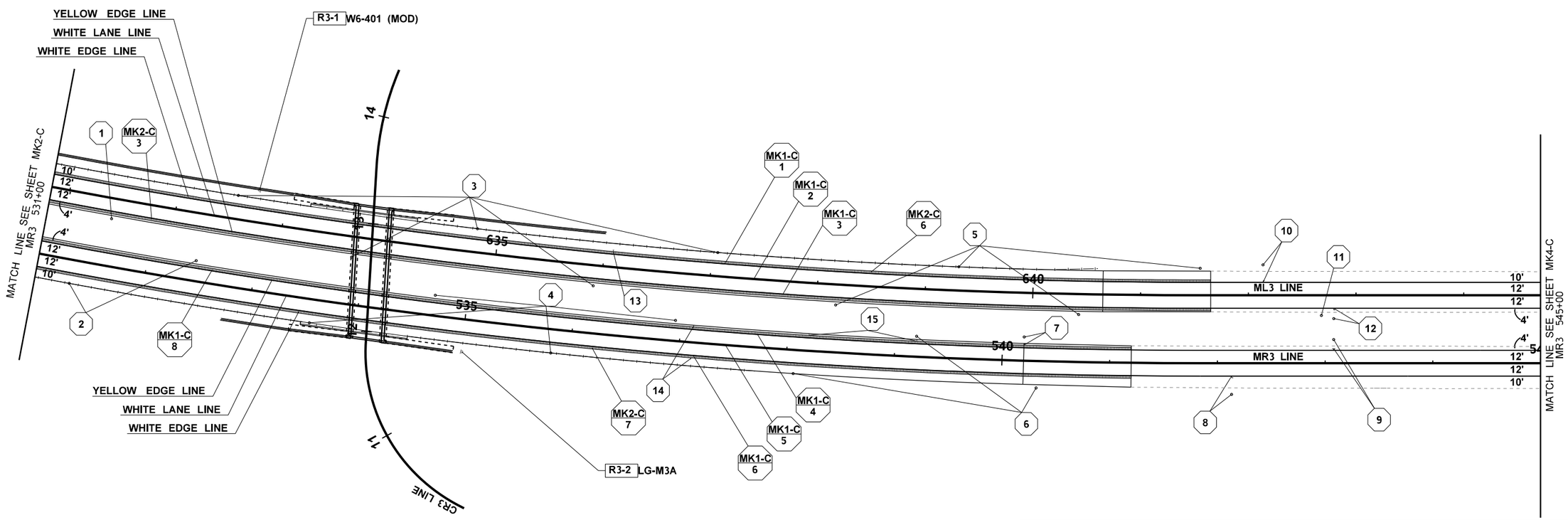
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING & SIGNING PLAN

PLAN REF NO
MK2-C

SHEET 728 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012\19.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_MK_002.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	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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_MK_003.dgn
TIME	3:49:25 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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		

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.

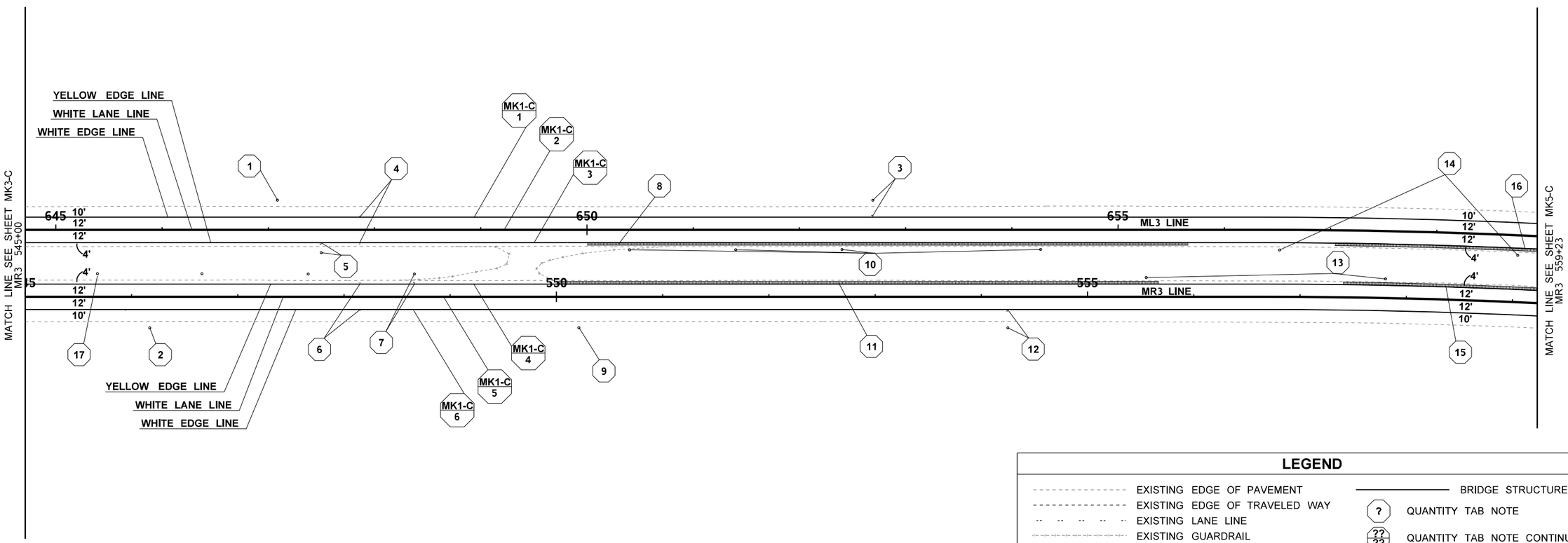
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

PAVEMENT MARKING & SIGNING PLAN

PLAN REF NO
MK3-C

SHEET 729 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_MK_003.dgn



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 UD UD 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 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_MK_004.dgn
TIME	3:49:32 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

DAVID EVANS AND ASSOCIATES INC.

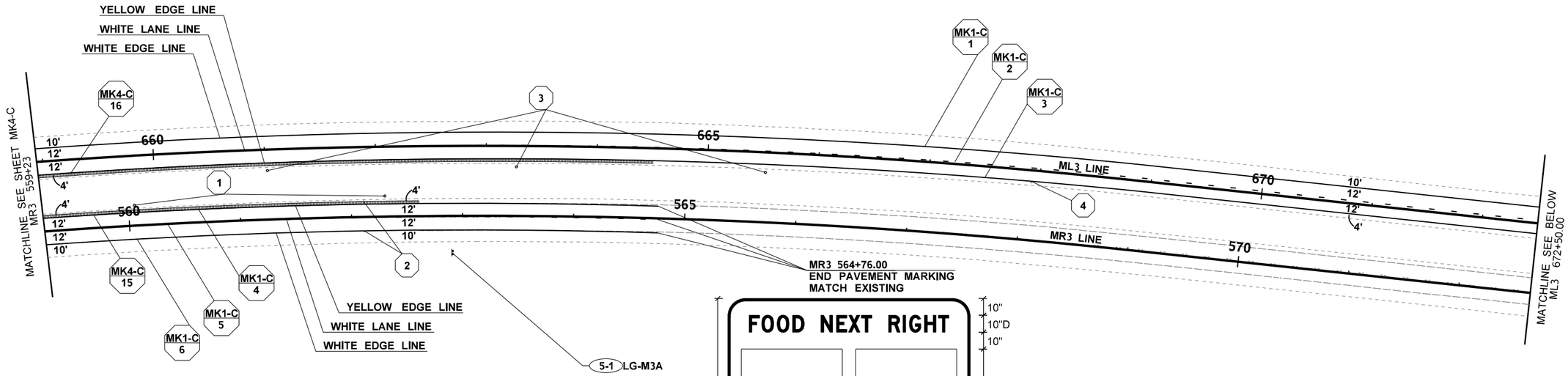
US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

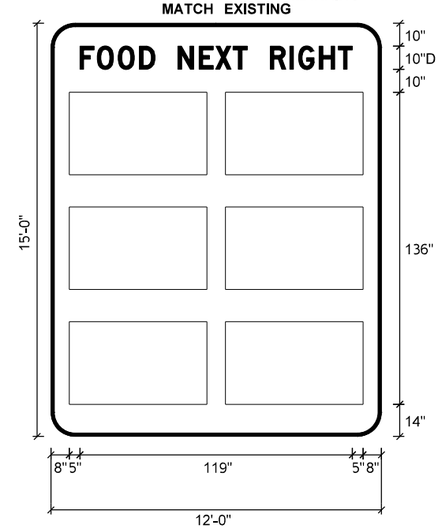
PAVEMENT MARKING & SIGNING PLAN

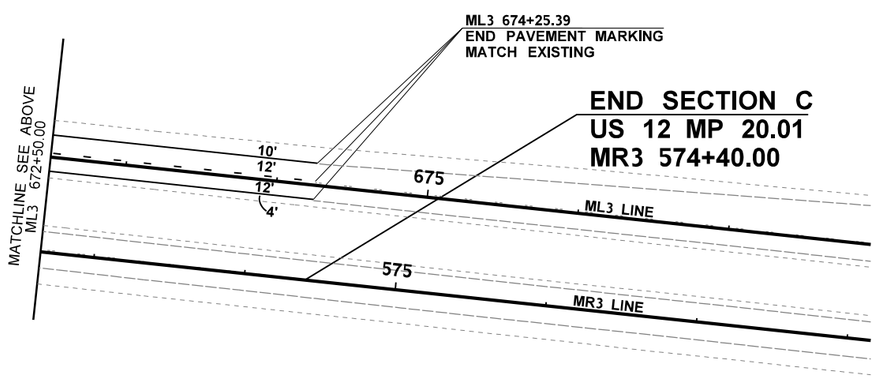
PLAN REF NO
MK4-C

SHEET 730 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQIFish Passage\ORproj\012\19.17_TribToVanceCr\Design_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_MK_004.dgn







0 50 100
SCALE IN FEET

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 UD UD 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

US 12 MP 19.17 UNNAMED
TRIBUTARY TO VANCE CREEK

FILE NAME	c:\pw_work\wsdot\d0354379\US12MP19.17_F_PS_MK_005.dgn
TIME	3:49:40 PM
DATE	12/14/2022
PLOTTED BY	Fts
DESIGNED BY	K. EMERY
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		

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

PAVEMENT MARKING & SIGNING PLAN

PLAN REF NO MK5-C

SHEET 731 OF 1241 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents_HQ\Fish Passage\ORproj\012119.17_TribToVanceCrtDesign_CAD_Sheets\Preliminary_Design\US12MP19.17_F_PS_MK_005.dgn

SIGN REMOVAL SPECIFICATIONS

SIGN NO.	MILE POST LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE X	SIGN SIZE Y	POST MATERIAL	POST SIZE (TRADE SIZE)	NUM OF POSTS	REMARKS
R3-1	ML3 632+73 (31' LT)	SPECIAL	CROSSROADS NEXT 10 MILES	4'	10'	STEEL	2.5" PSST	2	REMOVE EXISTING SIGN, POSTS, AND FOUNDATIONS
R3-2	MR3 535+01 (32' RT)	SPECIAL	FOOD	12'	14'	STEEL	W BEAM	2	REMOVE EXISTING SIGN, POSTS, AND FOUNDATIONS. PROTECT EXISTING BUSINESS PLACARDS AND INSTALL ON NEW SIGN PANEL

NOTES: 1. **STATION LOCATIONS ARE APPROXIMATE ONLY.**
2. **FOR CODE REFERENCES AND STANDARD SIGN LAYOUT SEE WASHINGTON STATE SIGN FABRICATION MANUAL.**

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	C:\PW_WORK\D0354379\USMP19.17_F_SIGN SPECS.XLSM - Printed by: HOLLY EILERS						
TIME	9:44 AM						
DATE	12/15/2022						
					STATE	WASH	
DESIGNED BY	K. EMERY				REGION NO	10	
ENTERED BY	H. EILERS				LOCATION NO.		
CHECKED BY	M. FELIBERTI				FED AID PROJ NO	ARPA001	
TRAFFIC ENGR.	B. ELLIOTT				JOB NO.	21C522	
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY	CONTRACT NO.	XL6115	

P.E. STAMP

Washington State Dept. of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SIGN REMOVAL SPECIFICATIONS

NEW

SN1-C

SHEET 732 OF 1241 SHEET

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	MILE POST LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE		LETTER SIZE OR CODE	SIGN SHEETING TYPE	POST MATERIAL	POST SIZE (TRADE SIZE)	BASE TYPE	POST LENGTH (FEET)				CLEARANCE (FEET)		REMARKS
				X (IN)	Y (IN)						H1	H2	H3	H4	V	W	
MK-3-1	ML3 629+50 (30' LT)	W6-401 (MOD)	CROSSROADS NEXT 10 MILES	132	48	E	IV	STEEL	2.5" PSST	SB1	17	15	13		7	15	INSTALL BEHIND GUARDRAIL. INSTALL 7 FOOT MIN. INSERT OF 2.25"X12GA POST NESTED INSIDE EACH 2.5"X12GA POST.
MK-5-1	MR3 562+90.00 (31.6' RT)	LG-M3A	FOOD NEXT RIGHT	144	180	D	IV	STEEL	W8X21	TP-B	28	24.5			7	16	INSTALL EXISTING BUSINESS PLACARDS ON NEW SIGN PANEL. SEE NOTES 1 AND 7.

NOTES:

1. **POST LENGTHS AND "W" VALUES SHOWN ARE APPROXIMATE. FINAL VALUES SHALL BE DETERMINED IN THE FIELD PRIOR TO INSTALLATION.**
2. **FOR STRUCTURE AND MOUNTING DETAILS SEE WSDOT STANDARD PLAN SHEET SERIES G.**
3. **FOR CODE REFERENCES AND STANDARD SIGN LAYOUT SEE WASHINGTON STATE SIGN FABRICATION MANUAL.**
4. **ALL SIGNS 48" IN WIDTH OR GREATER SHALL HAVE SIGN BRACING. SEE WSDOT STANDARD PLAN G-50.10.**
5. **UNLESS OTHERWISE NOTED, "W" OFFSET DISTANCE & "V" HEIGHT WAS DETERMINE FROM THE WHITE EDGE LINE.**
6. **SEE STANDARD PLAN G-24.40, STEEL SIGN SUPPORT TYPES SB-1, SB-2 & SB-3 INSTALLATION DETAILS.**
7. **SEE STANDARD PLAN G-24.60, STEEL SIGN SUPPORT TYPES TP-A AND TP-B INSTALLATION DETAILS.**
8. **INSTALLATION OF LOGOS WILL BE BY OTHERS**

US 12 MP 19.17 UNNAMED TRIBUTARY TO VANCE CREEK

FILE NAME	C:\PW_WORK\D0354379\USMP19.17_F_SIGN SPECS.XLSM - Printed by: HOLLY EILERS						
TIME	9:44 AM						
DATE	12/15/2022						
					STATE	WASH	
DESIGNED BY	K. EMERY				REGION NO	10	
ENTERED BY	H. EILERS				LOCATION NO.		
CHECKED BY	M. FELIBERTI				FED AID PROJ NO	ARPA001	
TRAFFIC ENGR.	B. ELLIOTT				JOB NO.	21C522	
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY	CONTRACT NO.	XL6115	

P.E. STAMP

Washington State Dept. of Transportation

US 12 & SR 8
GRAYS HARBOR COUNTY
REMOVE FISH BARRIERS

SIGN INSTALLATION SPECIFICATIONS

NEW

SN2-C

SHEET 733 OF 1241 SHEET