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SHEET NO.	PLAN REFERENCE NO.	TITLE

PLAN REFERENCE NO.

SHEET OF SHEETS

NOTE: ALL SHEET REFERENCES, FIRST NOS. OF STRUCTURE CODE DESIGNATIONS AND MATCH LINE SHEET REFERENCES, ETC., THROUGHOUT THE PLANS, REFER TO THE ENTRY IN THE PLAN REFERENCE NUMBER BOX.

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\001_D50823S_PS_IN.dgn
TIME	11:36:40 AM
DATE	3/17/2023
PLOTTED BY	rossja
DESIGNED BY	T. PANKAU
ENTERED BY	B. HILL
CHECKED BY	K. STOCKETT
PROJ. ENGR.	S. FELL
REGIONAL ADM.	C. FRANCIS

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ER-STP 2C03(003)

JOB NUMBER 23X336

CONTRACT NO.

LOCATION NO. XL6536

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

INDEX

Plot 1

PLAN REF. NO. IN1

SHEET 1 OF 12 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Susan Fell Mar 17, 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.	Daniel R. Corlett Mar 20, 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.	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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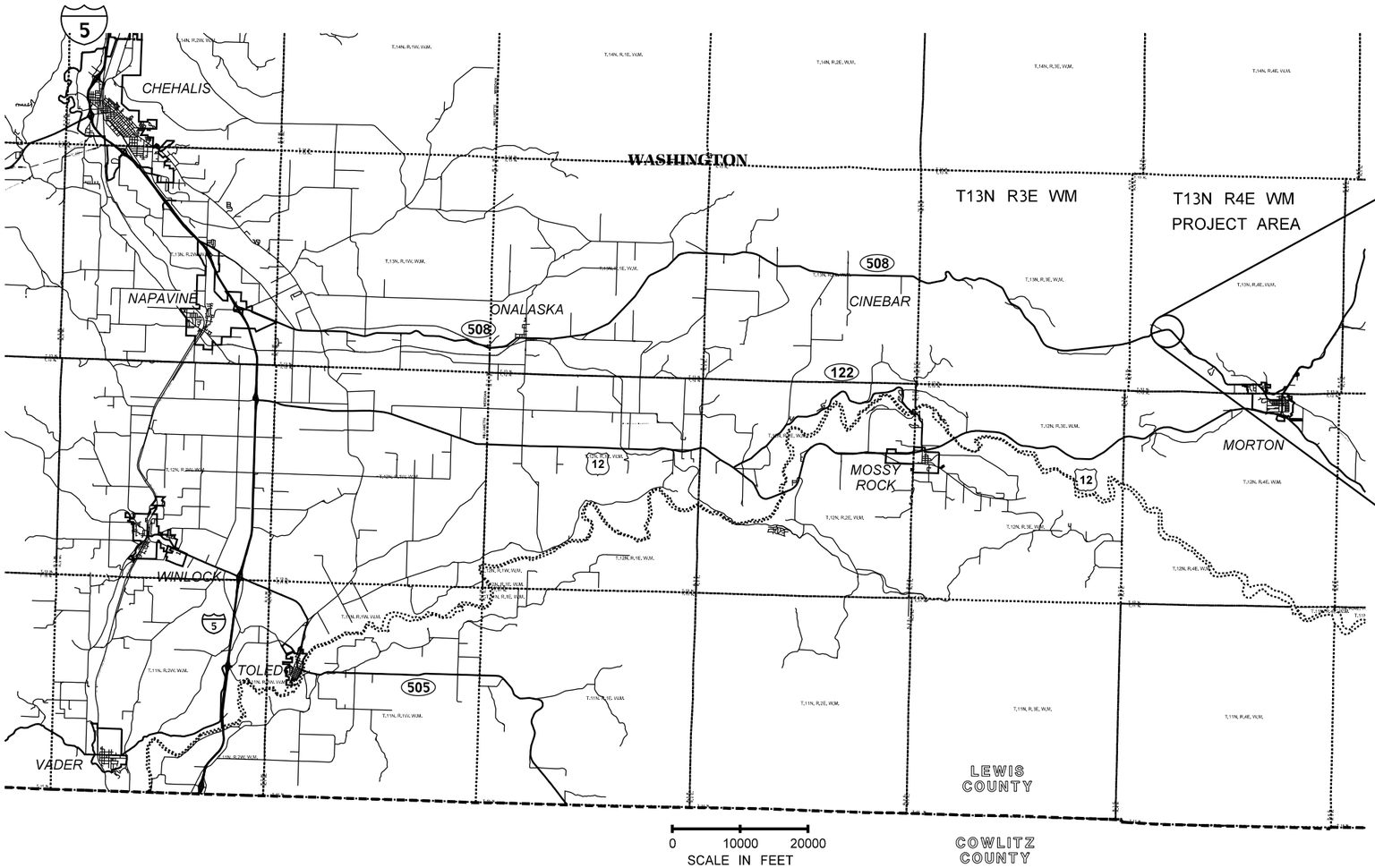
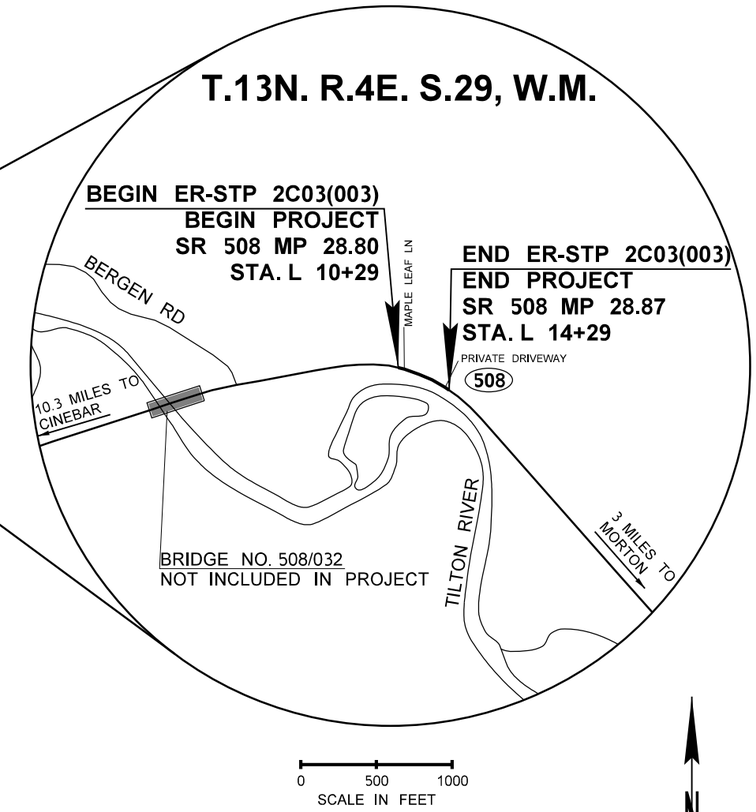
NOTES:

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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TIME	12:49:07 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ER-STP 2C03(003)	
DATE	3/17/2023							
PLOTTED BY	rossja							
DESIGNED BY	T. PANKAU				JOB NUMBER 23X336			
ENTERED BY	B. HILL							
CHECKED BY	K. STOCKETT				CONTRACT NO.		LOCATION NO. XL6536	
PROJ. ENGR.	S. FELL							
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY				

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

VICINITY MAP

Plot 1

PLAN REF NO VM1

SHEET 3 OF 12 SHEETS

SUMMARY OF QUANTITIES

DOT_RGG900

3/7/2023

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 SR508 MP28.80 TO MP28.87	GROUP 2 THIRD PARTY DAMAGES
						PREPARATION		
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	
						EROSION CONTROL AND ROADSIDE PLANTING		
2	360.00		360.00	6502	L.F.	COIR LOG	360.00	
3	10000.00		10000.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	10,000.00	
4	270.00		270.00	6431	S.Y.	SEEDING, FERTILIZING AND MULCHING	270.00	
5	270.00		270.00	6391	S.Y.	TOPSOIL TYPE A	270.00	
6	1640.00		1640.00	6552	EACH	PSIPE BRUSH LAYER	1,640.00	
7	LUMP SUM		LUMP SUM	6404	L.S.	ENVIRONMENTAL COMPLIANCE LEAD	L.S.	
8	540.00		540.00	6455	S.Y.	EROSION CONTROL BLANKET	540.00	
9	39.00		39.00		EACH	COIR PLANTING BAG	39.00	
10	78.00		78.00		EACH	PSIPE COIR PLANTING BAG MIX	78.00	
11	17.00		17.00		EACH	EMBEDDED LOG - 25 FT	17.00	
12	19.00		19.00		EACH	EMBEDDED LOG - 35 FT	19.00	
13	1200.00		1200.00		L.F.	VEGETATED GEOGRID	1,200.00	
14	10.00		10.00		HR	GENERAL WEED CONTROL - CHEMICAL CONTROL	10.00	
15	LUMP SUM		LUMP SUM		L.S.	IN-WATER ISOLATION SYSTEM	L.S.	
						TRAFFIC		
16	2.00		2.00	7441	EACH	TEMPORARY PORTABLE TRANSVERSE RUMBLE STRIPS	2.00	
17	480.00		480.00	6956	HR	SEQUENTIAL ARROW SIGN	480.00	
18	1440.00		1440.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	1,440.00	
19	LUMP SUM		LUMP SUM	6973	L.S.	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	
20	960.00		960.00	6980	HR	FLAGGERS	960.00	
21	240.00		240.00	6992	HR	OTHER TRAFFIC CONTROL LABOR	240.00	
22	LUMP SUM		LUMP SUM	6974	L.S.	TRAFFIC CONTROL SUPERVISOR	L.S.	
23	25000.00		25000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY	25,000.00	
24	88.00		88.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	88.00	
						OTHER ITEMS		
25	5000.00		5000.00	7480	DOL	ROADSIDE CLEANUP	5,000.00	
26	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE		5.00
27	-1.00		-1.00	7728	DOL	MINOR CHANGE	-1.00	
28	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00	
29	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.	
30	1520.00		1520.00	7554	S.Y.	CONSTRUCTION GEOTEXTILE FOR PERMANENT EROSION CONTROL	1,520.00	
31	LUMP SUM		LUMP SUM	7570	L.S.	HEALTH AND SAFETY PLAN	L.S.	
32	LUMP SUM		LUMP SUM		L.S.	SPECIAL EXCAVATION, PLACEMENT, & HAUL	L.S.	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	508	213400	**	FEDERAL,STATE
2	508	213400	**	STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	ER-STP-2C03(003)

JOB NUMBER 23X336/3

CONTRACT NO 000000

Washington State Department of Transportation

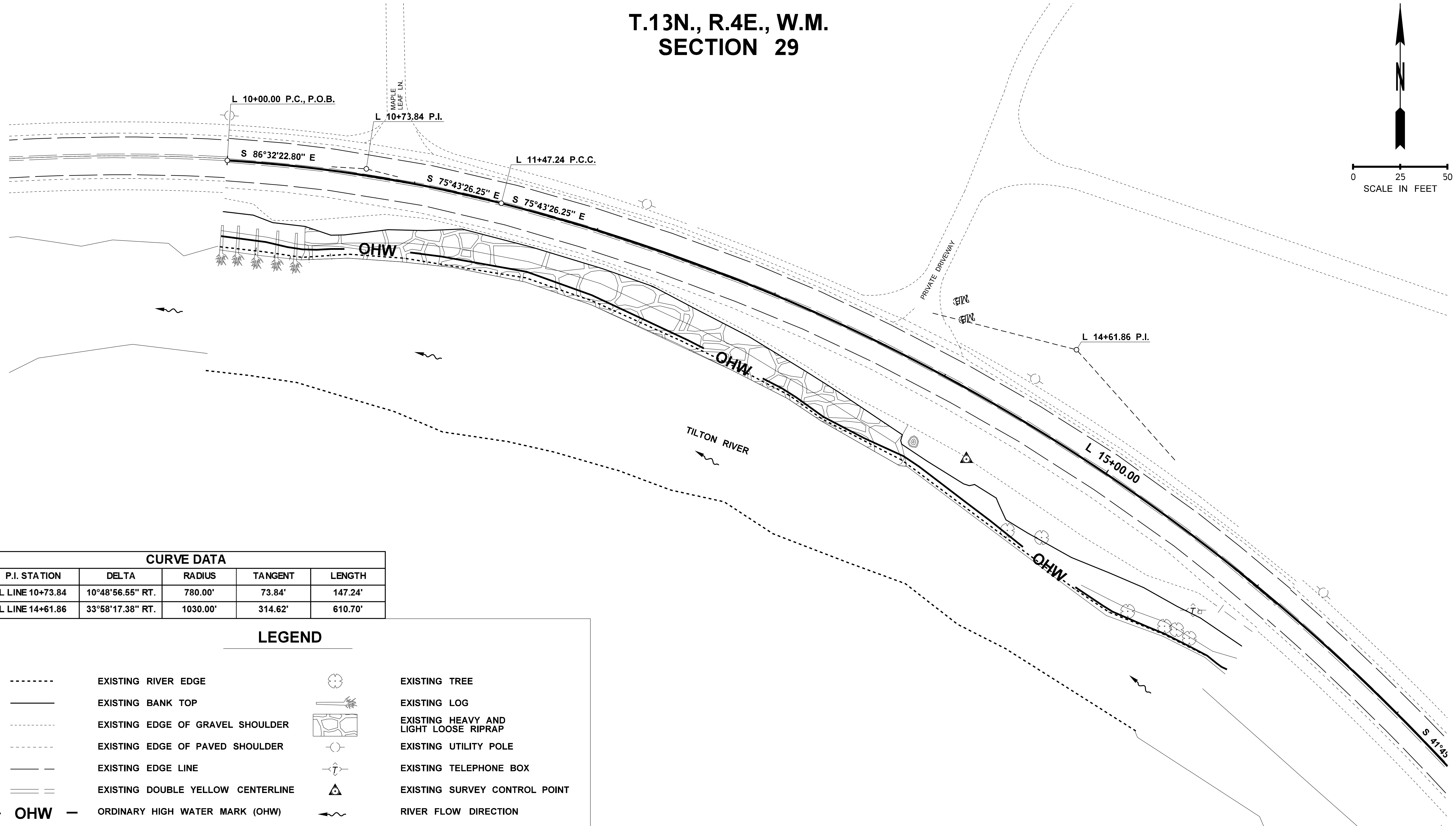
SR 508
0.3 MILES EAST OF BERGEN RD
EMBANKMENT REPAIR READVERTISEMENT

SUMMARY OF QUANTITIES

SQ1

SHEET 4 OF 12 SHEETS

T.13N., R.4E., W.M.
SECTION 29



CURVE DATA				
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
L LINE 10+73.84	10°48'56.55" RT.	780.00'	73.84'	147.24'
L LINE 14+61.86	33°58'17.38" RT.	1030.00'	314.62'	610.70'

LEGEND

- EXISTING RIVER EDGE
- EXISTING BANK TOP
- EXISTING EDGE OF GRAVEL SHOULDER
- EXISTING EDGE OF PAVED SHOULDER
- EXISTING EDGE LINE
- EXISTING DOUBLE YELLOW CENTERLINE
- OHW — ORDINARY HIGH WATER MARK (OHW)
- EXISTING STUMP
- EXISTING TREE
- EXISTING LOG
- EXISTING HEAVY AND LIGHT LOOSE RIPRAP
- EXISTING UTILITY POLE
- EXISTING TELEPHONE BOX
- EXISTING SURVEY CONTROL POINT
- RIVER FLOW DIRECTION

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\005_D50823S_PS_ALSP.dgn
TIME	2:58:46 PM
DATE	1/30/2023
PLOTTED BY	nelsonel
DESIGNED BY	T. PANKAU
ENTERED BY	B. HILL
CHECKED BY	K. STOCKETT
PROJ. ENGR.	S. FELL
REGIONAL ADM.	C. FRANCIS

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. ER-STP 2C03(003)

JOB NUMBER 23X336

CONTRACT NO. | LOCATION NO. XL6536

SUSAN WAI LEONG FELL, STATE OF WASHINGTON, 36748, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

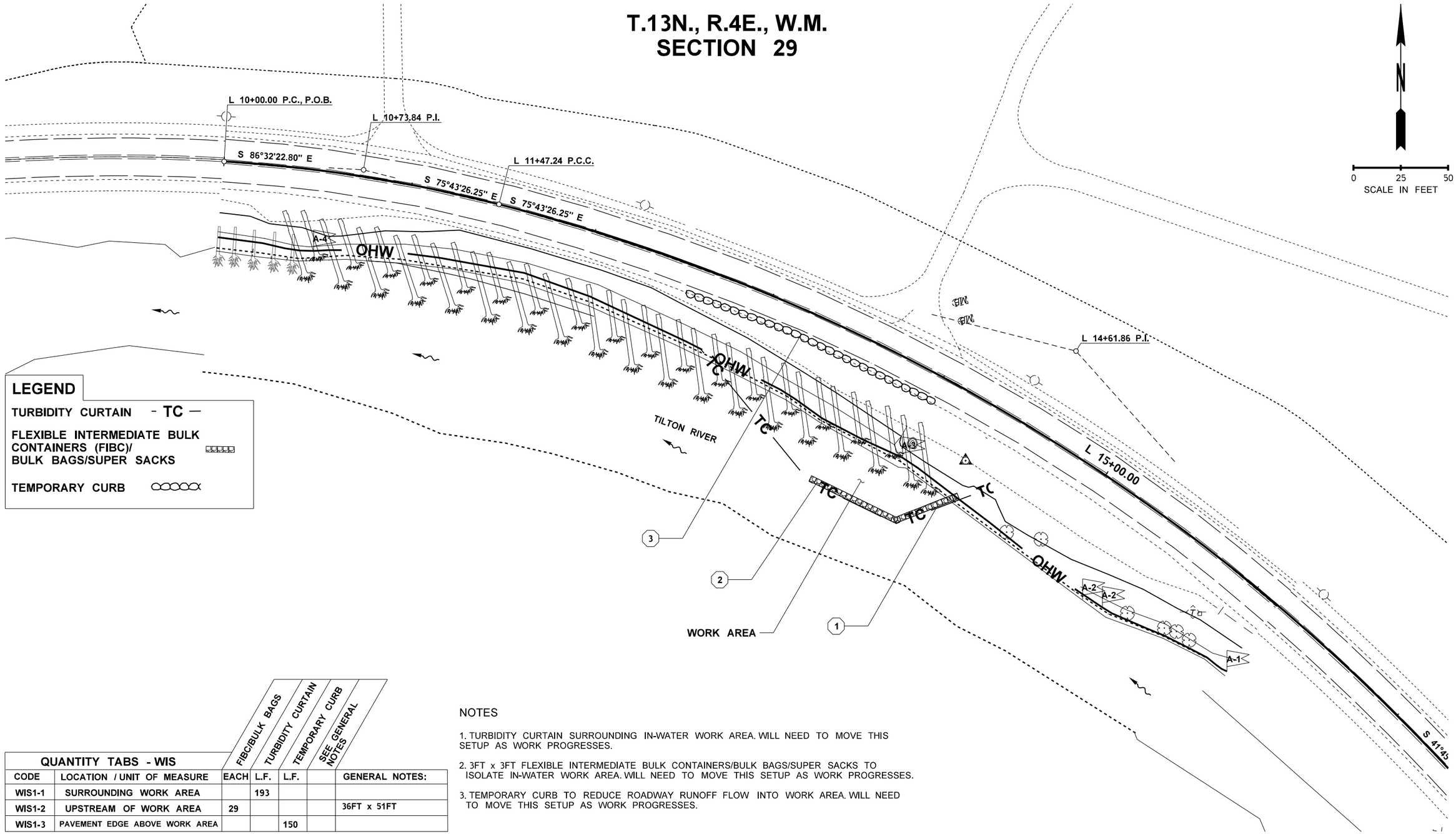
Washington State Department of Transportation

SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

ALIGNMENT AND SITE PREP PLAN

Plot 1
PLAN REF NO ALSP1
SHEET 5 OF 12 SHEETS

T.13N., R.4E., W.M.
SECTION 29



LEGEND

TURBIDITY CURTAIN - TC —

FLEXIBLE INTERMEDIATE BULK CONTAINERS (FIBC)/ BULK BAGS/SUPER SACKS

TEMPORARY CURB

QUANTITY TABS - WIS		FIBC/BULK BAGS	TURBIDITY CURTAIN	TEMPORARY CURB	SEE GENERAL NOTES	
CODE	LOCATION / UNIT OF MEASURE	EACH	L.F.	L.F.		GENERAL NOTES:
WIS1-1	SURROUNDING WORK AREA		193			
WIS1-2	UPSTREAM OF WORK AREA	29				36FT x 51FT
WIS1-3	PAVEMENT EDGE ABOVE WORK AREA			150		

NOTES

1. TURBIDITY CURTAIN SURROUNDING IN-WATER WORK AREA. WILL NEED TO MOVE THIS SETUP AS WORK PROGRESSES.
2. 3FT x 3FT FLEXIBLE INTERMEDIATE BULK CONTAINERS/BULK BAGS/SUPER SACKS TO ISOLATE IN-WATER WORK AREA. WILL NEED TO MOVE THIS SETUP AS WORK PROGRESSES.
3. TEMPORARY CURB TO REDUCE ROADWAY RUNOFF FLOW INTO WORK AREA. WILL NEED TO MOVE THIS SETUP AS WORK PROGRESSES.

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\006_D50823S_PS_WIS.dgn				
TIME	12:56:25 PM				
DATE	3/17/2023				
PLOTTED BY	rossja				
DESIGNED BY	T. PANKAU				
ENTERED BY	B. HILL				
CHECKED BY	K. STOCKETT				
PROJ. ENGR.	S. FELL				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ER-STP 2C03(003)
JOB NUMBER 23X336		
CONTRACT NO.		LOCATION NO. XL6536

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

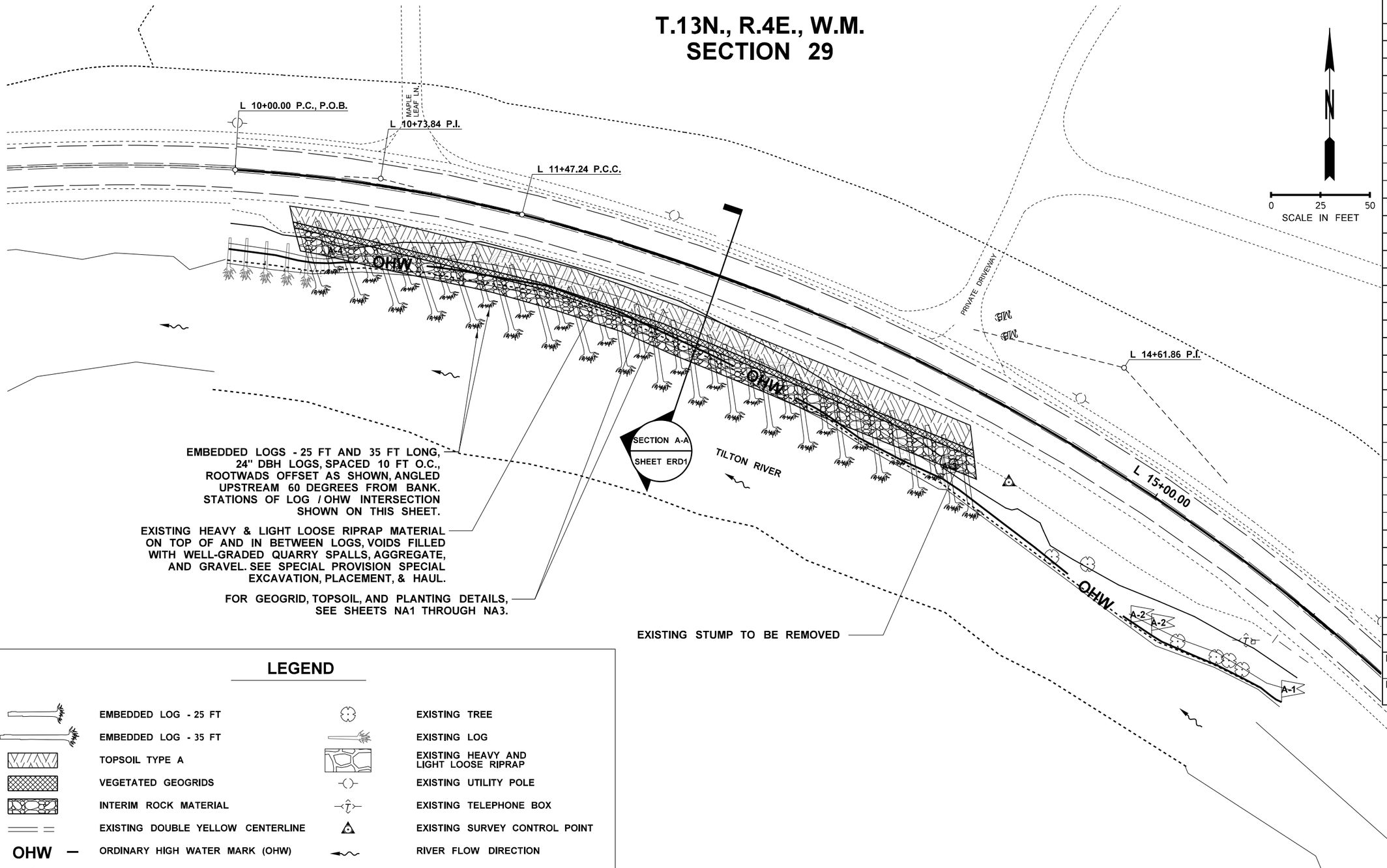
Washington State Department of Transportation

SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

IN-WATER ISOLATION SYSTEM EXAMPLE

Plot 1
PLAN REF NO WIS1
SHEET 6 OF 12 SHEETS

T.13N., R.4E., W.M.
SECTION 29



STATION OHW / LOG INTERSECTION	LOG LENGTH
10+44 (43' RT)	35'
10+54 (42' RT)	25'
10+63 (41' RT)	35'
10+73 (40' RT)	25'
10+81 (38' RT)	35'
10+92 (37' RT)	25'
11+01 (36' RT)	35'
11+12 (36' RT)	25'
11+21 (35' RT)	35'
11+33 (34' RT)	25'
11+42 (34' RT)	35'
11+52 (33' RT)	25'
11+63 (32' RT)	35'
11+73 (32' RT)	25'
11+83 (32' RT)	35'
11+97 (33' RT)	25'
12+08 (34' RT)	35'
12+20 (35' RT)	25'
12+29 (36' RT)	35'
12+41 (37' RT)	25'
12+50 (38' RT)	35'
12+62 (39' RT)	25'
12+71 (40' RT)	35'
12+85 (41' RT)	25'
12+93 (42' RT)	35'
13+06 (43' RT)	25'
13+15 (43' RT)	35'
13+29 (44' RT)	25'
13+38 (46' RT)	35'
13+52 (48' RT)	25'
13+62 (49' RT)	35'
13+75 (49' RT)	25'
13+84 (49' RT)	35'
13+96 (48' RT)	25'
14+05 (48' RT)	35'
14+18 (49' RT)	35'
EMBEDDED LOG - 25 FT TOTAL:	17
EMBEDDED LOG - 35 FT TOTAL:	19

LEGEND

	EMBEDDED LOG - 25 FT		EXISTING TREE
	EMBEDDED LOG - 35 FT		EXISTING LOG
	TOPSOIL TYPE A		EXISTING HEAVY AND LIGHT LOOSE RIPRAP
	VEGETATED GEOGRIDS		EXISTING UTILITY POLE
	INTERIM ROCK MATERIAL		EXISTING TELEPHONE BOX
	EXISTING DOUBLE YELLOW CENTERLINE		EXISTING SURVEY CONTROL POINT
— OHW —	ORDINARY HIGH WATER MARK (OHW)		RIVER FLOW DIRECTION
	EXISTING STUMP		

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\007-008_D50823S_PS_EMBANKMENT REPAIR PLAN.dgn
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DATE	1/30/2023
PLOTTED BY	nelsonel
DESIGNED BY	T. PANKAU
ENTERED BY	B. HILL
CHECKED BY	K. STOCKETT
PROJ. ENGR.	S. FELL
REGIONAL ADM.	C. FRANCIS

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ER-STP 2C03(003)

JOB NUMBER 23X336

CONTRACT NO.

LOCATION NO. XL6536

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

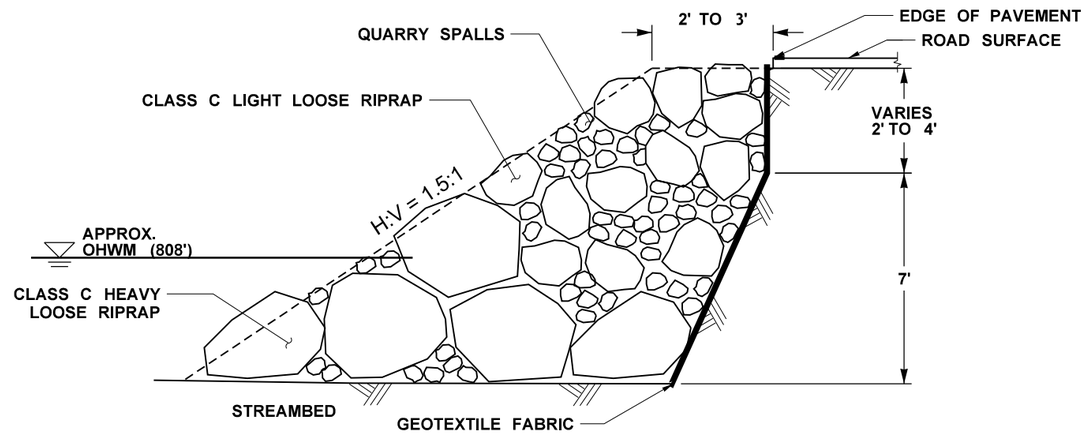
SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

EMBANKMENT REPAIR PLAN

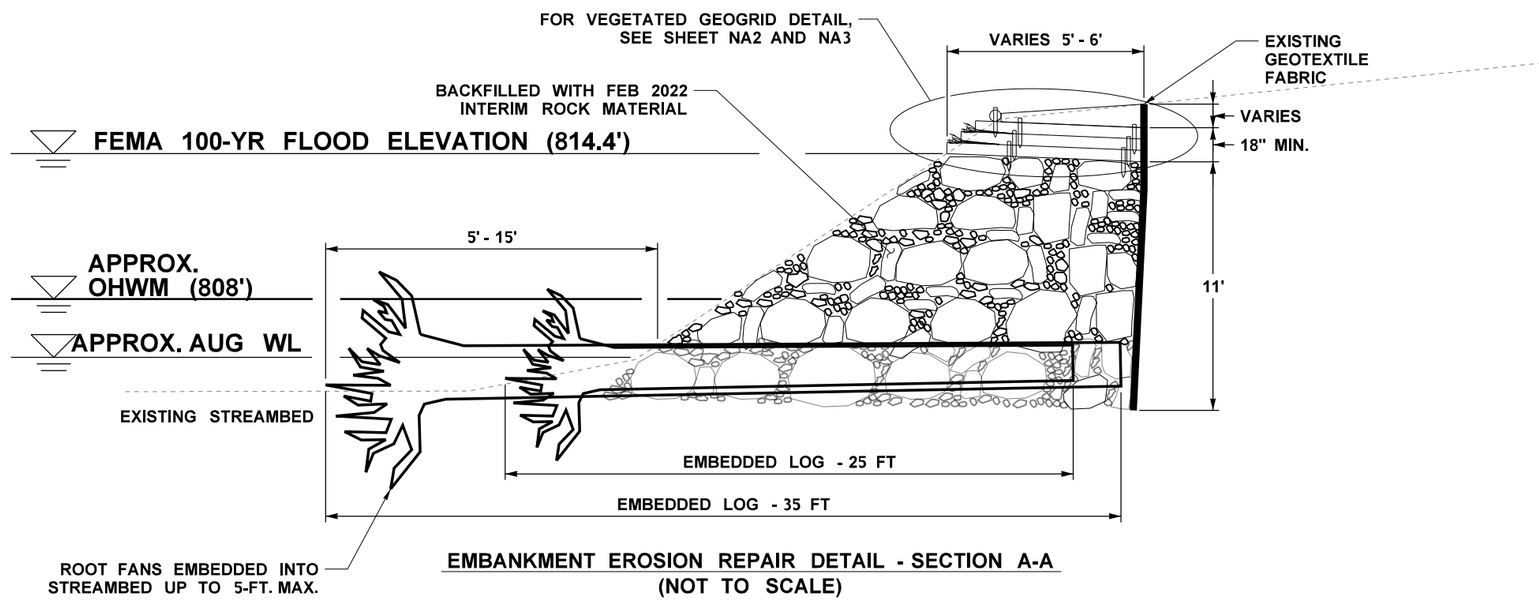
Plot 1

PLAN REF NO ERP1

SHEET 7 OF 12 SHEETS



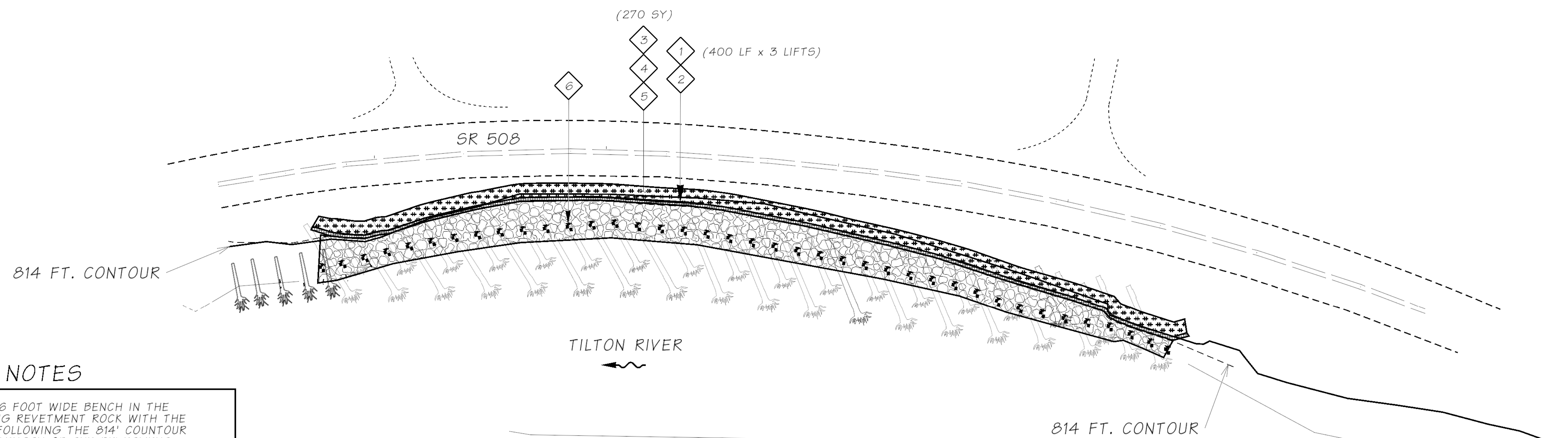
FEB. 2022 INTERIM REPAIR SECTION - EXISTING CONDITIONS
(NOT TO SCALE)



EMBANKMENT EROSION REPAIR DETAIL - SECTION A-A
(NOT TO SCALE)

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\007-008_D50823S_PS_EMBANKMENT REPAIR PLAN.dgn								Plot 2
TIME	12:46:07 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. ER-STP 2C03(003)	Washington State Department of Transportation	SR 508 0.3 MILES E OF BERGEN RD EMBANKMENT REPAIR-READVERTISEMENT	PLAN REF NO ERD1
DATE	3/7/2023									
PLOTTED BY	RossJa				JOB NUMBER 23X336					
DESIGNED BY	T. PANKAU									SHEET 8 OF 12 SHEETS
ENTERED BY	B. HILL									
CHECKED BY	K. STOCKETT				CONTRACT NO.	LOCATION NO. XL6536	SEE SHEET CT1 DATE P.E. STAMP BOX	DATE P.E. STAMP BOX	EMBANKMENT REPAIR DETAIL	
PROJ. ENGR.	S. FELL									
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY						

S29 T13N R4E



CONSTRUCTION NOTES

1. EXCAVATE A 5 TO 6 FOOT WIDE BENCH IN THE TOP OF THE EXISTING REVETMENT ROCK WITH THE WATERWARD EDGE FOLLOWING THE 814' COUNTOUR ALONG THE ENTIRE LENGTH OF THE REVETMENT, AS STAKED BY ENGINEER. BENCH SHALL HAVE A 5% to 8% BACKSLOPE. FILL VOIDS IN THE CONSTRUCTED ROCK BENCH WITH QUARRY SPALLS TO FORM A LEVEL, UNIFORM SURFACE. PLACE TWO LAYERS OF BIODEGRADABLE EROSION CONTROL BLANKET TO COVER 6 FOOT WIDTH ALONG THE TOP OF THE REVETMENT UNDERNEATH THE FIRST BRUSH LAYER. STAKE FABRIC WITH 2"X2"X24" FIR STAKES AS NEEDED TO KEEP SMOOTH SURFACE DURING CONSTRUCTION OF FIRST LIFT. SEE CONTRACT PROVISIONS.
2. VEGETATED GEOGRID AND PSIPE BRUSH LAYER, SEE CONTRACT PROVISIONS AND DETAILS. LOWER EDGE OF GEOGRID SHALL FOLLOW THE THE 100 YEAR FLOOD ELEVATION (814 FOOT CONTOUR) AS SHOWN IN DETAILS. LIMITS OF WORK AND EXACT GEOGRID LAYER EXTENTS TO BE STAKED IN FIELD BY ENGINEER.
3. TWELVE INCH COIR LOG PLACED AS STAKED BY ENGINEER. PLACE COIR LOG 6 INCHES BACK FROM TOP FACE OF VEGETATED GEOGRID AND STAKE PER SECTION 8-01.3(6)A OF THE SPECIAL PROVISIONS.
4. TOPSOIL TYPE A SETTLED OR COMPACTED DEPTH (DEPTH VARIES). SEE SECTION 8-02.3(4)A OF THE SPECIAL PROVISIONS.
5. SEEDING, FERTILIZING AND MULCHING PER SECTION 8-02.3(9) OF SPECIAL PROVISIONS. LIMITS TO BE STAKED BY THE ENGINEER AND MAY VARY FROM PLAN SHEET.
6. 29-INCH X 40-INCH COIR PLANTING BAGS. FABRIC FOR BAGS SHALL MEET REQUIREMENTS OF SECTION 9-14.6(2) OF THE SPECIAL PROVISIONS. ALL ELEMENTS USED IN BAG CONSTRUCTION SHALL BE BIODEGRADABLE. FILL WITH TOPSOIL TYPE A PER SPECIAL PROVISIONS AND PRE-PLANT. TIE TOP OF BAG CLOSED WITH COIR TWINE AND INSTALL IN RIP-RAP SLOPE AT APPROXIMATELY 10 FOOT INTERVALS ALONG TOE OF SLOPE WHERE STAKED. SEE SPECIAL PROVISION "COIR PLANTING BAG".

SUMMARY OF QUANTITIES

ITEM	NOTE	UNIT	QTY
BIODEGRADABLE EROSION CONTROL BLANKET*	1	SY	540
VEGETATED GEOGRID	2	LF	1200
TOPSOIL TYPE A (DEPTH VARIES)*	4	SY	270
COIR LOG	3	LF	400
SEEDING, FERTILIZING AND MULCHING	5	SY	270
COIR PLANTING BAGS	6	EACH	39

*DOES NOT INCLUDE MATERIAL FOR VEGETATED GEOGRID OR COIR PLANTING BAGS.

ENGINEER HAS PROVIDED A PRELIMINARY ESTIMATE OF 35 CY OF TOPSOIL TYPE A FOR EACH VEGETATED GEOGRID LIFT (4 FT WIDTH X 400 FT. LENGTH X 0.5 FT DEPTH) PLUS 15% FOR COMPACTION. ESTIMATE FOR COIR PLANTING BAGS APPROXIMATELY 8 CUBIC FEET OF TOPSOIL TYPE A PER BAG. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES FOR USE IN THE PROJECT AREA.

LEGEND

- SHOULDER GRAVEL EDGE
- SHOULDER PAVED EDGE
- COIR PLANTING BAGS

N

0 25 50
SCALE IN FEET

FILE NAME	G:\Roadside\01_ projects\508\SR-508 MP 28.8 Bank Repair 2022\DESIGN\XL6536 SR 508_MP 28.8_PS_NA.dgn
TIME	11:07:38 AM
DATE	1/31/2023
PLOTTED BY	knappb
DESIGNED BY	B. KNAPP
ENTERED BY	B.KNAPP
CHECKED BY	D. CORLETT
PROJ. ENGR.	S. FELL
REGIONAL ADM.	C. FRANCIS

REVISION | DATE | BY

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JOB NUMBER 23X336

CONTRACT NO. | LOCATION NO. XL6536

STATE OF WASHINGTON — DANIEL R CORLETT — LANDSCAPE ARCHITECT — EXP 10/22/24

SEE SHEET CT1

DATE

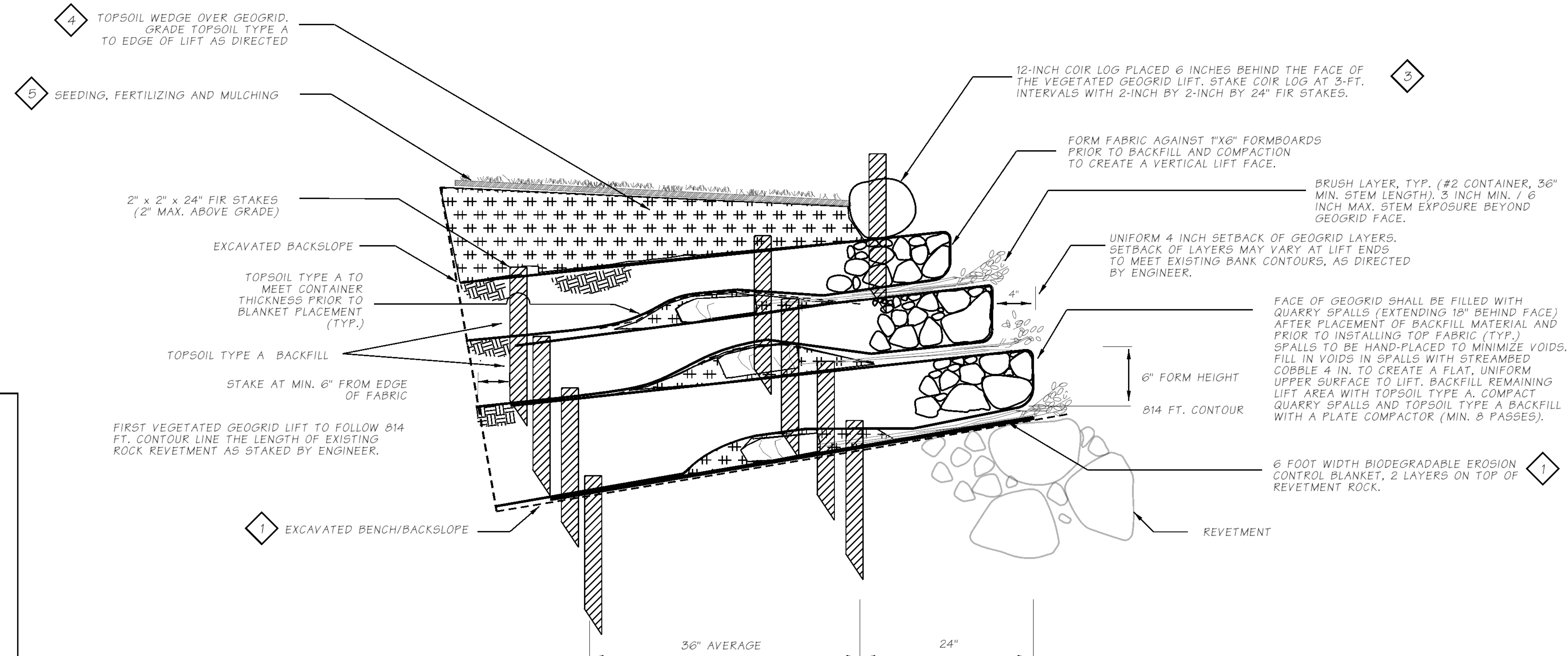
P.E. STAMP BOX | P.E. STAMP BOX | DATE

Washington State Department of Transportation

SR508
0.3 MILES EAST OF BERGEN ROAD
EMBANKMENT EROSION REPAIR - READVERTISEMENT

SOIL PREPARATION

Plot 1
PLAN REF NO NA1
SHEET 9 OF 12 SHEETS



1 2

SECTION - VEGETATED GEOGRID

CONSTRUCTION NOTES

1. EXCAVATE A 5 TO 6 FOOT WIDE BENCH IN THE TOP OF THE EXISTING REVETMENT ROCK WITH THE WATERWARD EDGE FOLLOWING THE 814' COUNTOUR ALONG THE ENTIRE LENGTH OF THE REVETMENT, AS STAKED BY ENGINEER. BENCH SHALL HAVE A 5% to 8% BACKSLOPE. FILL VOIDS IN THE CONSTRUCTED ROCK BENCH WITH QUARRY SPALLS TO FORM A LEVEL, UNIFORM SURFACE. PLACE TWO LAYERS OF BIODEGRADABLE EROSION CONTROL BLANKET TO COVER 6 FOOT WIDTH ALONG THE TOP OF THE REVETMENT UNDERNEATH THE FIRST BRUSH LAYER. STAKE FABRIC WITH 2"X2"X24" FIR STAKES AS NEEDED TO KEEP SMOOTH SURFACE DURING CONSTRUCTION OF FIRST LIFT. SEE CONTRACT PROVISIONS.
2. VEGETATED GEOGRID AND PSIPE BRUSH LAYER, SEE CONTRACT PROVISIONS AND DETAILS. LOWER EDGE OF GEOGRID SHALL FOLLOW THE THE 100 YEAR FLOOD ELEVATION (814 FOOT CONTOUR) AS SHOWN IN DETAILS. LIMITS OF WORK AND EXACT GEOGRID LAYER EXTENTS TO BE STAKED IN FIELD BY ENGINEER.
3. TWELVE INCH COIR LOG PLACED AS STAKED BY ENGINEER. PLACE COIR LOG 6 INCHES BACK FROM TOP FACE OF VEGETATED GEOGRID AND STAKE PER SECTION 8-01.3(6)A OF THE SPECIAL PROVISIONS.
4. TOPSOIL TYPE A SETTLED OR COMPACTED DEPTH (DEPTH VARIES). SEE SECTION 8-02.3(4)A OF THE SPECIAL PROVISIONS.
5. SEEDING, FERTILIZING AND MULCHING PER SECTION 8-02.3(9) OF SPECIAL PROVISIONS. LIMITS TO BE STAKED BY THE ENGINEER AND MAY VARY FROM PLAN SHEET.
6. 29-INCH X 40-INCH COIR PLANTING BAGS. FABRIC FOR BAGS SHALL MEET REQUIREMENTS OF SECTION 9-14.6(2) OF THE SPECIAL PROVISIONS. ALL ELEMENTS USED IN BAG CONSTRUCTION SHALL BE BIODEGRADABLE. FILL WITH TOPSOIL TYPE A PER SPECIAL PROVISIONS AND PRE-PLANT. TIE TOP OF BAG CLOSED WITH COIR TWINE AND INSTALL IN RIP-RAP SLOPE AT APPROXIMATELY 10 FOOT INTERVALS ALONG TOE OF SLOPE WHERE STAKED. SEE SPECIAL PROVISION "COIR PLANTING BAG".

FILE NAME	G:\Roadside\01_ projects\508\SR-508 MP 28.8 Bank Repair 2022\DESIGN\XL6536 SR 508_MP 28.8_PS_NA.dgn
TIME	11:08:15 AM
DATE	1/31/2023
PLOTTED BY	knappb
DESIGNED BY	B. KNAPP
ENTERED BY	B.KNAPP
CHECKED BY	D. CORLETT
PROJ. ENGR.	S. FELL
REGIONAL ADM.	C. FRANCIS

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ER-STP 2C03(003)
JOB NUMBER 23X336		
CONTRACT NO.		LOCATION NO. XL6536

STATE OF WASHINGTON — DANIEL R. CORLETT — LANDSCAPE ARCHITECT — NO. 725 EXP 10/22/2024

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR508
0.3 MILES EAST OF BERGEN ROAD
EMBANKMENT EROSION REPAIR - READVERTISEMENT

SOIL PREPARATION

Plot 2

PLAN REF NO NA2

CONSTRUCTION NOTES

1. EXCAVATE A 5 TO 6 FOOT WIDE BENCH IN THE TOP OF THE EXISTING REVETMENT ROCK WITH THE WATERWARD EDGE FOLLOWING THE 814' COUNTOUR ALONG THE ENTIRE LENGTH OF THE REVETMENT, AS STAKED BY ENGINEER. BENCH SHALL HAVE A 5% to 8% BACKSLOPE. FILL VOIDS IN THE CONSTRUCTED ROCK BENCH WITH QUARRY SPALLS TO FORM A LEVEL, UNIFORM SURFACE. PLACE TWO LAYERS OF BIODEGRADABLE EROSION CONTROL BLANKET TO COVER 6 FOOT WIDTH ALONG THE TOP OF THE REVETMENT UNDERNEATH THE FIRST BRUSH LAYER. STAKE FABRIC WITH 2"X2"X24" FIR STAKES AS NEEDED TO KEEP SMOOTH SURFACE DURING CONSTRUCTION OF FIRST LIFT. SEE CONTRACT PROVISIONS.

2. VEGETATED GEOGRID AND PSIPE BRUSH LAYER, SEE CONTRACT PROVISIONS AND DETAILS. LOWER EDGE OF GEOGRID SHALL FOLLOW THE THE 100 YEAR FLOOD ELEVATION (814 FOOT CONTOUR) AS SHOWN IN DETAILS. LIMITS OF WORK AND EXACT GEOGRID LAYER EXTENTS TO BE STAKED IN FIELD BY ENGINEER.

3. TWELVE INCH COIR LOG PLACED AS STAKED BY ENGINEER. PLACE COIR LOG 6 INCHES BACK FROM TOP FACE OF VEGETATED GEOGRID AND STAKE PER SECTION 8-01.3(6)A OF THE SPECIAL PROVISIONS.

4. TOPSOIL TYPE A SETTLED OR COMPACTED DEPTH (DEPTH VARIES). SEE SECTION 8-02.3(4)A OF THE SPECIAL PROVISIONS.

5. SEEDING, FERTILIZING AND MULCHING PER SECTION 8-02.3(9) OF SPECIAL PROVISIONS. LIMITS TO BE STAKED BY THE ENGINEER AND MAY VARY FROM PLAN SHEET.

6. 29-INCH X 40-INCH COIR PLANTING BAGS. FABRIC FOR BAGS SHALL MEET REQUIREMENTS OF SECTION 9-14.6(2) OF THE SPECIAL PROVISIONS. ALL ELEMENTS USED IN BAG CONSTRUCTION SHALL BE BIODEGRADABLE. FILL WITH TOPSOIL TYPE A PER SPECIAL PROVISIONS AND PRE-PLANT. TIE TOP OF BAG CLOSED WITH COIR TWINE AND INSTALL IN RIP-RAP SLOPE AT APPROXIMATELY 10 FOOT INTERVALS ALONG TOE OF SLOPE WHERE STAKED. SEE SPECIAL PROVISION "COIR PLANTING BAG".

2 PSIPE BRUSH LAYER PLANT SCHEDULE:

PLANT MIX	PLANT SPECIES	COMMON NAME	CONDITION	LENGTH (MIN.)	QTY
40%	CORNUS SERICEA	RED OSIER DOGWOOD	#2	36"	720
40%	SYMPHORICARPOS ABLUS	COMMON SNOWBERRY	#2	36"	720
20%	RUBUS PARVIFLORUS	THIMBLEBERRY	#2	36"	360

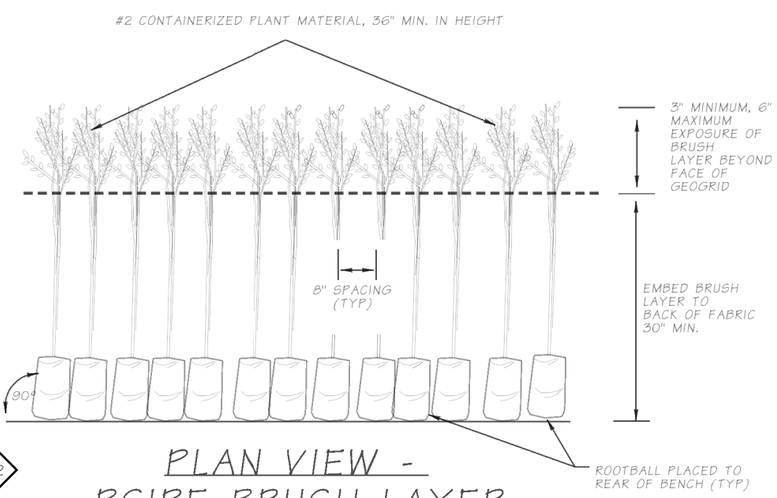
NOTES:

1. ALL PLANT MATERIAL SHALL BE INSPECTED PRIOR TO INSTALLATION. PLANTS TO BE FULLY ROOTED. PLANTS SHORTER THAN 36" WILL BE IMMEDIATELY REJECTED.

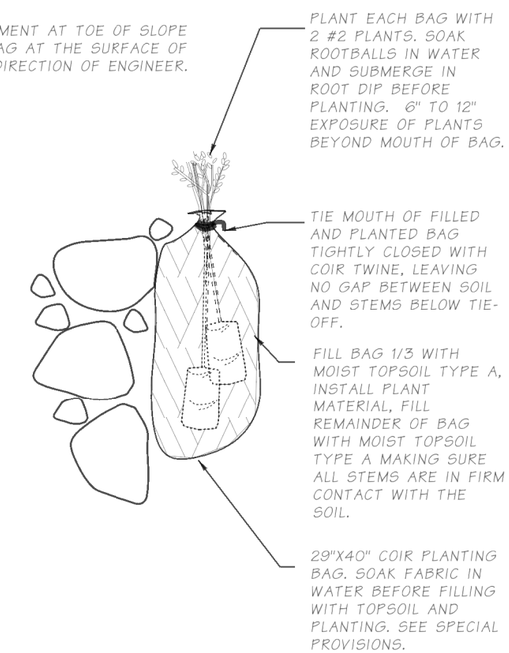
2. SINGLE ROW OF PLANT MATERIAL PER LIFT. ONE #2 CONTAINER EVERY 8 INCHES ALONG FACE OF GEOGRID. MIX SPECIES TO DISTRIBUTE EVENLY OVER LENGTH OF GEOGRID LAYER.

6 PSIPE COIR PLANTING BAG PLANT SCHEDULE:

PLANT MIX	PLANT SPECIES	COMMON NAME	CONDITION	LENGTH (MIN.)	QTY
70%	SALIX SITCHENSIS	SITKA WILLOW	#2	36"	54
30%	CORNUS SERICEA	RED OSIER DOGWOOD	#2	36"	24



2 PLAN VIEW - PSIPE BRUSH LAYER



6 COIR PLANTING BAG

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TIME	11:08:58 AM				
DATE	1/31/2023				
PLOTTED BY	knappb				
DESIGNED BY	B. KNAPP				
ENTERED BY	B.KNAPP				
CHECKED BY	D. CORLETT				
PROJ. ENGR.	S. FELL				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	ER-STP 2C03(003)
JOB NUMBER 23X336		
CONTRACT NO.		LOCATION NO. XL6536

STATE OF WASHINGTON DANIEL R CORLETT 10725 Exp 10/22/23 LANDSCAPE ARCHITECT

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR508
0.3 MILES EAST OF BERGEN ROAD
EMBANKMENT EROSION REPAIR - READVERTISEMENT

SOIL PREPARATION

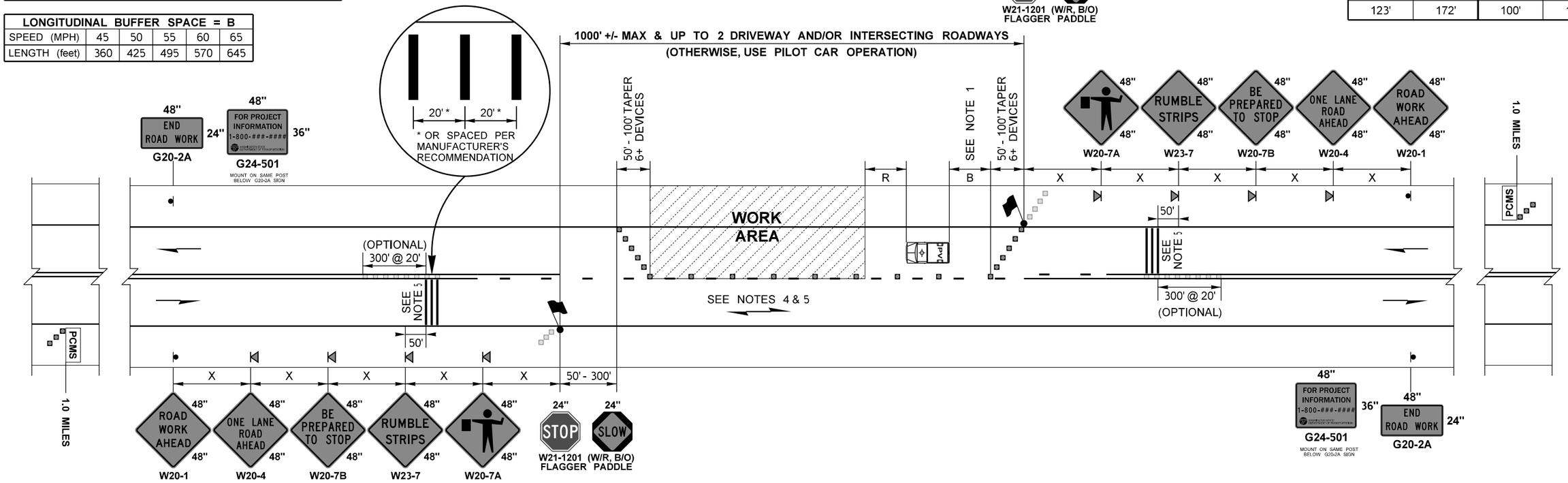
Plot 3
PLAN REF NO NA3
SHEET 11 OF 12 SHEETS

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60-65 MPH	800' +/-
RURAL ROADS	45-55 MPH	500' +/-
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R
NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R			
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.		HOST VEHICLE WEIGHT 22,000+ lbs.	
45-55 MPH	60+ MPH	45-55 MPH	60+ MPH
123'	172'	100'	150'

LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH)	45	50	55	60	65
LENGTH (feet)	360	425	495	570	645

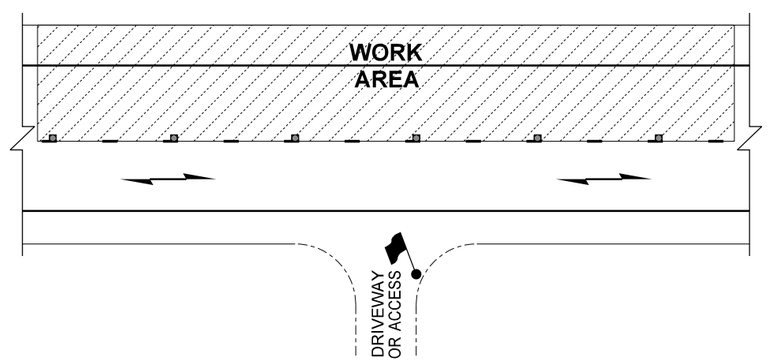


MAXIMUM CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50-65	10 to 20	80
45	10 to 20	60

PCMS	
1	2
ROAD WORK AHEAD	8/01 TO 9/31
2.0 SEC	2.0 SEC

FIELD LOCATE 1.0 +/- MILES PRIOR TO WORK ZONE.
LOCATE PCMS PER WSDOT STANDARD SPEC. 1-10.3(3)C.

DRIVEWAY OR BUSINESS ACCESS DETAIL
OPPOSITE OF LANE CLOSURE



LEGEND:

- CLASS A SIGN LOCATION
- CLASS B SIGN LOCATION
- 28" REFLECTIVE TRAFFIC CONE (SEE NOTE 2)
- OPTIONAL CHANNELIZATION DEVICE
- PROTECTIVE VEHICLE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- FLAGGER
- TEMPORARY RUMBLE STRIPS (SEE NOTE 5)

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOTES:

1. AVOID PLACING LANE CLOSURE TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL & VERTICAL CURVES BY ADJUSTING LONGITUDINAL BUFFER SPACE.

2. 36" TRAFFIC CONES, 42" TALL CHANNELIZATION DEVICES, OR TRAFFIC SAFETY DRUMS OK.

3. BICYCLISTS MAY BE COMBINED WITH ALTERNATING VEHICULAR TRAFFIC. BIKES TO CLEAR PRIOR TO FLAGGERS RELEASING ONCOMING TRAFFIC.

4. ACCOMMODATE PEDESTRIANS VIA SHUTTLE THROUGH LANE CLOSURE, USING THE PAVED SHOULDER OPPOSITE THE WORK AREA, OR ANOTHER METHOD THE ENGINEER ACCEPTS.

5. SEE STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS:
   - 1-07.8(1) HIGH-VISIBILITY APPAREL
   - 1-10.3(1)A FLAGGERS AND NIGHTTIME ILLUMINATION
   - 1-10.3(2)A TRAFFIC CONTROL PROCEDURES
   - 9-35.1 24-INCH STOP/SLOW PADDLE SIZE

6. AVOID PLACING TEMPORARY TRANSVERSE RUMBLE STRIPS WITHIN HORIZONTAL CURVES, ADJUST SIGN SPACING IF NEEDED. USE ONE OF THE FOLLOWING RUMBLE STRIPS:
   - * PSS Roadquake 2 or 2f Temporary Portable Rumble Strip (Black)
   - * Traffix Alert High Speed Rumble Strip (Black)

7. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.

8. ACTUAL CENTERLINE PAVEMENT MARKINGS MAY VARY.

9. PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE IN PLACE AND IN 24 HOUR OPERATION THREE (3) CALENDAR DAYS PRIOR TO FIRST WORKING DAY. THE PCMS'S SHALL BE FIELD LOCATED AS STAKED BY THE ENGINEER.

10. ONE W20-1 SIGN SHALL BE IN PLACE ON BERGEN RD APPROACHING SR 508.

FILE NAME	G:\444301\05-Design\02-Projects\Emergency Projects\SR508_0.3 Miles East of Bergen Road\XL6536_Final Project\CADD\ContractPlans\012_D50823S_PS_TC.dgn				
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DATE	3/17/2023				
PLOTTED BY	rossja				
DESIGNED BY	T. PANKAU				
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CHECKED BY	K. STOCKETT				
PROJ. ENGR.	S. FELL				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
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P.E. STAMP BOX — DATE

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Washington State Department of Transportation

SR 508
0.3 MILES E OF BERGEN RD
EMBANKMENT REPAIR-READVERTISEMENT

TRAFFIC CONTROL PLAN

Plot 1
PLAN REF NO TC1
SHEET 12 OF 12 SHEETS