INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	IN1	INDEX SHEET
2	CT1	CERTIFICATION SHEET
3	VM1	VICINITY MAP
4-5	SQ1-SQ2	SUMMARY OF QUANTITIES
6-8	QT1-QT3	QUANTITIY TABULATIONS
9-31	IM1-IM23	INTERCHANGE MAP
32	EC1	TESC PLAN
33-40	TCP1-TCP8	TRAFFIC CONTROL PLANS

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.

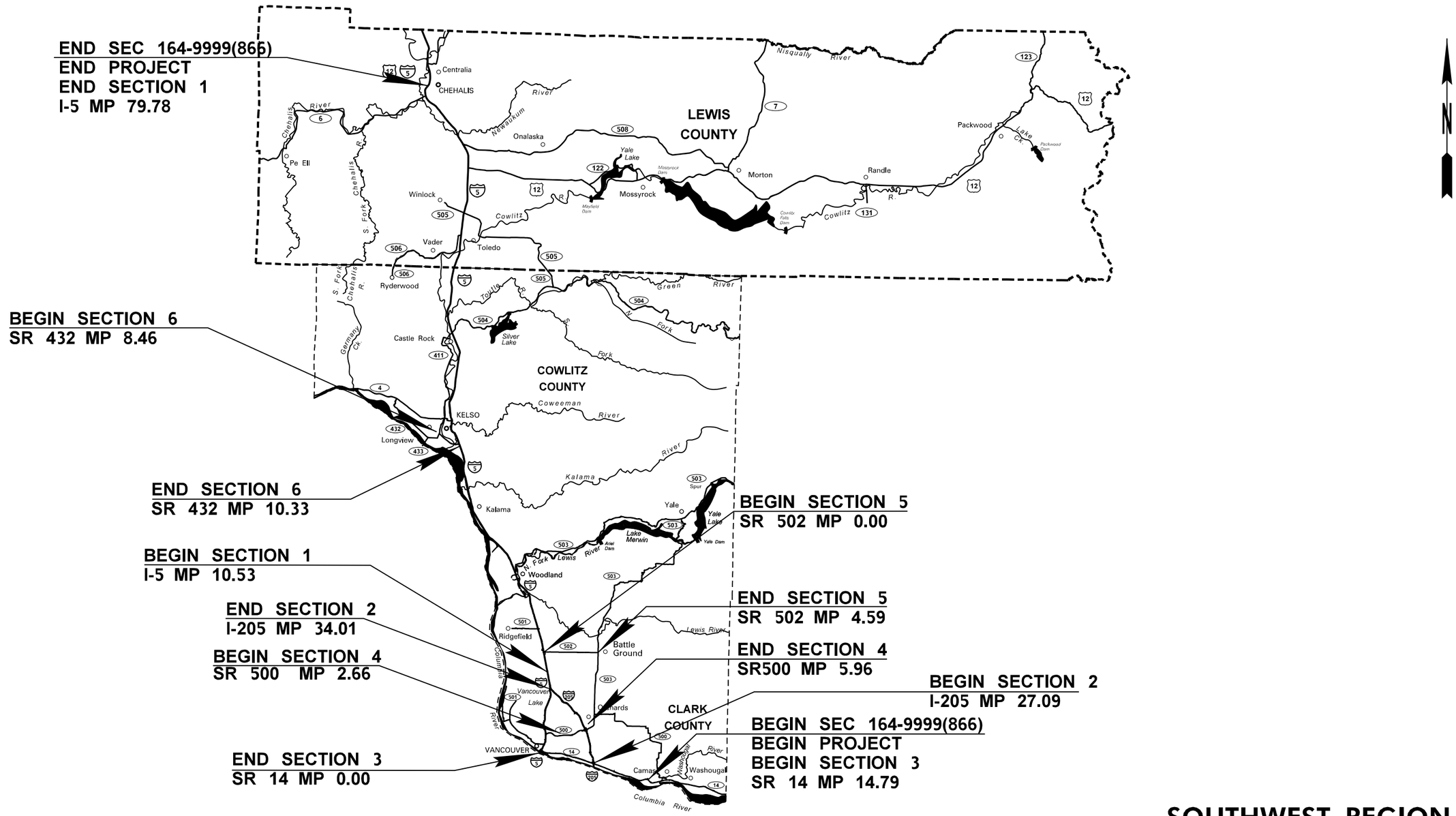
PROJECT LICENSED PROFESSIONAL CERTIFICATES

Mike Briggs Dec 7, 2022 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.	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.	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.	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.

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.



SOUTHWEST REGION

NOTE: ALL BRIDGES WITHIN PROJECT LIMITS ARE EXEMPT

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn								Plot 4
TIME	6:30:51 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)	Washington State Department of Transportation	SWR BREAKAWAY CABLE TERMINAL REPLACEMENT FREEWAYS 21-23	PLAN REF NO VM1
DATE	12/5/2022									
PLOTTED BY	Sellarb				JOB NUMBER 21X328					SHEET 3 OF 40 SHEETS
DESIGNED BY	B. SELLARDS									
ENTERED BY	B. SELLARDS									
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		VICINITY MAP	
PROJ. ENGR.	M. BRIGGS									
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY						

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

SUMMARY OF QUANTITIES

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 I-5 MP 10.53 - 11.65	GROUP 2 I-5 MP 11.65 - 13.11	GROUP 3 I-5 MP 22.74 - 29.03	GROUP 4 I-5 MP 29.03 - 30.90	GROUP 3 I-5 MP 30.90 - 34.80	GROUP 5 I-5 MP 41.21 - 43.42	GROUP 3 I-5 MP 43.42 - 47.64	GROUP 3 I-5 MP 49.95 - 57.13	GROUP 6 I-5 MP 57.13 - 70.44	GROUP 7 I-5 MP 70.44 - 71.65	GROUP 7 I-5 MP 75.97 - 77.18	GROUP 8 I-5 MP 77.29 - 79.78	GROUP 9 I-205 MP 27.09 - 34.01	GROUP 10 SR14 MP 0.0 - 10.38	GROUP 11 SR14 MP 10.84 - 14.79	GROUP 12 SR500 MP 2.66 - 5.96
						PREPARATION																
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.
2	4537.50		4537.50	0170	L.F.	REMOVING GUARDRAIL	250.00	37.50	50.00	200.00	100.00	150.00	50.00	50.00	200.00	50.00	50.00	200.00	475.00	750.00	100.00	1,150.00
3	90.00		90.00	0182	EACH	REMOVING GUARDRAIL ANCHOR	5.00	1.00	1.00	4.00	2.00	3.00	1.00	1.00	4.00	1.00	1.00	4.00	10.00	15.00	2.00	23.00
						SURFACING																
4	4706.50		4706.50	5100	TON	CRUSHED SURFACING BASE COURSE	204.80	35.30	56.80	156.40	108.40	114.40	49.80	35.50	187.40	67.50	49.80	156.40	955.10	814.80	206.30	1,046.80
						EROSION CONTROL AND ROADSIDE PLANTING																
5	88.00		88.00	6403	DAY	ESC LEAD	5.00	1.00	1.00	4.00	2.00	3.00	1.00	1.00	4.00	1.00	1.00	4.00	11.00	15.00	2.00	22.00
6	6.00		6.00	6471	EACH	INLET PROTECTION									1.00			1.00				
7	480.00		480.00	6502	L.F.	COIR LOG														120.00		120.00
8	10000.10		10000.10	6490	DOL	EROSION/WATER POLLUTION CONTROL	561.80	112.40	112.40	449.40	224.70	337.10	112.40	112.40	449.40	112.40	112.40	449.40	1,236.00	1,685.40	224.70	2,471.90
9	80.00		80.00	6419	S.Y.	SEEDING AND FERTILIZING BY HAND						80.00										
						TRAFFIC																
10	1550.00		1550.00	6757	L.F.	BEAM GUARDRAIL TYPE 31	200.00	25.00							50.00	62.50		50.00	87.50	287.50		500.00
11	1.00		1.00	6760	EACH	BEAM GUARDRAIL TRANSITION SECTION TYPE 24				1.00												
12	88.00		88.00	6719	EACH	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	5.00	1.00	1.00	3.00	2.00	2.00	1.00	1.00	4.00	1.00	1.00	4.00	11.00	15.00	2.00	22.00
13	125.00		125.00	6733	L.F.	BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2				62.50		62.50										
14	1.00		1.00	6786	EACH	BEAM GUARDRAIL ANCHOR TYPE 11																
15	2200.00		2200.00	6783	L.F.	RAISING EXISTING BEAM GUARDRAIL	125.00		25.00	100.00	125.00	100.00		25.00	100.00	25.00	100.00	25.00	275.00	425.00	25.00	550.00
16	500.00		500.00	7448	HR	TRANSPORTABLE ATTENUATOR	26.00	10.00	10.00	21.00	10.00	20.00	10.00	10.00	21.00	10.00	10.00	21.00	58.00	80.00	10.00	116.00
17	10000.00		10000.00	7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR	10,000.00															
18	629.00		629.00	6956	HR	SEQUENTIAL ARROW SIGN	35.00	8.00	8.00	28.00	14.00	21.00	8.00	8.00	28.00	8.00	8.00	28.00	77.00	105.00	14.00	154.00
19	4806.00		4806.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	270.00	54.00	54.00	216.00	108.00	162.00	54.00	54.00	216.00	54.00	54.00	216.00	594.00	810.00	108.00	1,188.00
20	LUMP SUM		LUMP SUM	6973	L.S.	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.
21	1103.00		1103.00	6992	HR	OTHER TRAFFIC CONTROL LABOR	62.00	12.00	12.00	50.00	25.00	37.00	12.00	12.00	50.00	12.00	12.00	50.00	136.00	186.00	25.00	273.00
22	LUMP SUM		LUMP SUM	6974	L.S.	TRAFFIC CONTROL SUPERVISOR	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.
23	25000.00		25000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY	10,000.00												3,000.00	3,000.00		3,000.00
24	1.00		1.00	6975	DOL	WSP REIMBURSEMENT	1.00															
25	507.30		507.30	6976	HR	PATROL AND MAINTAIN TRAFFIC CONTROL MEASURES	28.50	5.70	5.70	22.80	11.40	17.10	5.70	5.70	22.80	5.70	5.70	22.80	62.70	85.50	11.40	125.40
						OTHER ITEMS																
26	5000.00		5000.00	7715	DOL	FORCE ACCOUNT UTILITY CONFLICT	5,000.00															
27	10000.00		10000.00	7480	DOL	ROADSIDE CLEANUP	561.80	112.40	112.40	449.40	224.70	337.10	112.40	112.40	449.30	112.40	112.40	449.40	1,236.00	1,685.40	224.70	2,471.90
28	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE																
29	-1.00		-1.00	7728	DOL	MINOR CHANGE	-1.00															
30	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00															
31	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.															
32	1.00		1.00	7569	EACH	NO TRESPASSING SIGN	1.00															
33	LUMP SUM		LUMP SUM	7570	L.S.	HEALTH AND SAFETY PLAN	L.S.															
34	10000.00		10000.00	7571	DOL	FA-SITE CLEANUP OF BIO. AND PHYSICAL HAZARDS	10,000.00															

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	005	060205	**	FEDERAL,STATE
2	005	060200	**	FEDERAL,STATE
3	005	080100	**	FEDERAL,STATE
4	005	080111	**	FEDERAL,STATE
5	005	080104	**	FEDERAL,STATE
6	005	210100	**	FEDERAL,STATE
7	005	210110	**	FEDERAL,STATE
8	005	210111	**	FEDERAL,STATE
9	205	060710	**	FEDERAL,STATE
10	014	060410	**	FEDERAL,STATE
11	014	060411	**	FEDERAL,STATE
12	500	064010	**	FEDERAL,STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	SEC 164-9999(866)

JOB NUMBER 21X328/9

CONTRACT NO 000000

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES

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 13 SR502 MP 0.0 - 4.59	GROUP 14 SR432 MP 8.46 - 9.69	GROUP 15 SR432 MP 9.69-10.33	GROUP 16 THIRD PARTY DAMAGES
						PREPARATION				
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	
2				0170	L.F.	REMOVING GUARDRAIL	150.00	250.00	275.00	
3				0182	EACH	REMOVING GUARDRAIL ANCHOR	3.00	4.00	5.00	
						SURFACING				
4				5100	TON	CRUSHED SURFACING BASE COURSE	122.70	208.30	130.00	
						EROSION CONTROL AND ROADSIDE PLANTING				
5				6403	DAY	ESC LEAD	2.00	4.00	4.00	
6				6471	EACH	INLET PROTECTION	3.00		1.00	
7				6502	L.F.	COIR LOG			240.00	
8				6490	DOL	EROSION/WATER POLLUTION CONTROL	224.70	449.40	561.80	
9				6419	S.Y.	SEEDING AND FERTILIZING BY HAND				
						TRAFFIC				
10				6757	L.F.	BEAM GUARDRAIL TYPE 31		137.50	150.00	
11				6760	EACH	BEAM GUARDRAIL TRANSITION SECTION TYPE 24				
12				6719	EACH	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	3.00	4.00	5.00	
13				6733	L.F.	BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2				
14				6786	EACH	BEAM GUARDRAIL ANCHOR TYPE 11			1.00	
15				6783	L.F.	RAISING EXISTING BEAM GUARDRAIL	75.00	100.00		
16				7448	HR	TRANSPORTABLE ATTENUATOR	10.00	21.00	26.00	
17				7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR				
18				6956	HR	SEQUENTIAL ARROW SIGN	14.00	28.00	35.00	
19				6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	108.00	216.00	270.00	
20	LUMP SUM		LUMP SUM	6973	L.S.	OTHER TEMPORARY TRAFFIC CONTROL DEVICES	L.S.	L.S.	L.S.	
21				6992	HR	OTHER TRAFFIC CONTROL LABOR	25.00	50.00	62.00	
22	LUMP SUM		LUMP SUM	6974	L.S.	TRAFFIC CONTROL SUPERVISOR	L.S.	L.S.	L.S.	
23				7572	DOL	WORK ZONE SAFETY CONTINGENCY	3,000.00	3,000.00		
24				6975	DOL	WSP REIMBURSEMENT				
25				6976	HR	PATROL AND MAINTAIN TRAFFIC CONTROL MEASURES	11.40	22.80	28.50	
						OTHER ITEMS				
26				7715	DOL	FORCE ACCOUNT UTILITY CONFLICT				
27				7480	DOL	ROADSIDE CLEANUP	224.70	449.40	561.80	
28				7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE				5.00
29				7728	DOL	MINOR CHANGE				
30				7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT				
31	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN				
32				7569	EACH	NO TRESPASSING SIGN				
33	LUMP SUM		LUMP SUM	7570	L.S.	HEALTH AND SAFETY PLAN				
34				7571	DOL	FA-SITE CLEANUP OF BIO. AND PHYSICAL HAZARDS				

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
13	502	063505	**	FEDERAL,STATE
14	432	083103	**	FEDERAL,STATE
15	432	083111	**	FEDERAL,STATE
16	005	080100	**	STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	SEC 164-9999(866)

JOB NUMBER 21X328/9

CONTRACT NO 000000

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

SUMMARY OF QUANTITIES

QUANTITY TABULATION

NOTE:
MP LOCATIONS START AT THE BEGINNING OF THE RAMP
FOR RAMP DESIGNATIONS P, Q, R, & S, SEE IM1 TO IM23

CODE	LOCATION ➘ \ UNIT OF MEASURE ➢	REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	CRUSHED SURFACING BASE COURSE	BEAM GUARDRAIL - BURRIED TERMINAL TYPE 2	BEAM GUARDRAIL TRANSITION SECTION TYPE 24	BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	RAISING EXISTING GUARDRAIL	BEAM GUARDRAIL ANCHOR TYPE 11		SEE GENERAL NOTES
		L.F.	EACH	TON	L.F.	EACH	L.F.	EACH	L.F.	EACH		
IM1-1	I-5 NB TO SR502 EB OFF-RAMP P1 01039 MP 0.37 RT	50	1	44.7			50	1	25			3, 4, 6, 10, 11
IM1-2	I-5 NB TO SR502 EB OFF-RAMP P1 01039 MP 0.55 RT	50	1	40.9			50	1				3, 4, 6, 10, 11
IM1-3	I-5 NB TO SR502 EB OFF-RAMP P1 01039 MP 0.79 RT	50	1	40.9			50	1	25			3, 4, 6, 10, 11
IM1-4	I-5 NB TO SR502 EB OFF-RAMP P1 01039 MP 0.83 LT	50	1	35.5			50	1	25			3, 6, 10, 11
IM1-5	SR502 WB TO I-5 NB ON-RAMP Q5 01201 MP 0.32 RT	50	1	42.8				1	25			3, 4, 6, 10, 11
IM1-6	SR502 WB TO I-5 SB ON-RAMP S5 01125 MP 0.32 RT	37.5	1	35.5			25	1	25			6, 7, 10, 11
IM2-1	I-5 SB OFF-RAMP R1 02800 MP 0.15 RT TO TODD RD	50	1	56.9				1	25			3, 4, 6, 10, 11
IM3-1	I-5 NB OFF-RAMP P1 02958 MP 0.09 RT TO KALAMA	50	1	49.8	62.5				25			1, 4, 6, 10, 11
IM3-2	I-5 SB ON-RAMP S1 02938 MP 0.16 RT FROM KALAMA AT ELM ST	50	1	35.5				1	25			3, 4, 6, 10, 11
IM3-3	I-5 SB OFF-RAMP R1 03100 MP 0.14 LT TO KALAMA AT OAK ST	50	1	35.5				1	25			3, 4, 6, 10, 11
IM3-4	I-5 SB ON-RAMP MP 0.00 RT FROM KALAMA AT ELM ST	50	1	35.5		1		1	25			2, 6, 7, 10, 11, 12
IM4-1	I-5 SB ON-RAMP S1 03185 0.03 RT AT KALAMA RIVER RD	50	1	67.5				1	25			3, 4, 6, 10, 11
IM4-2	I-5 SB OFF-RAMP R1 03255 MP 0.16 RT TO KALAMA RIVER RD	50	1	40.9				1	25			3, 4, 6, 10, 11
IM5-1	INTERSECTION OF S KELSO DRIVE RD & OLD HIGHWAY S ROAD	50	1	49.8			25	1	25			3, 4, 6, 9, 10, 11
IM5-2	SR 432 EB OFF-RAMP LX 03697 MP 0.11 LT ES ROUNDABOUT	50	1	49.8				1	25			6, 7, 10, 11
IM5-3	SR 432 EB OFF-RAMP LX 03697 MP 0.13 RT ES ROUNDABOUT	50	1	44.7			75	1	25			4, 6, 7, 10, 11
IM5-4	SR 432 EB OFF-RAMP LX 03697 MP 0.18 RT TO ES ROUNDABOUT	75	1	35.5			37.5	1		1		5, 6, 7, 10, 11
IM5-5	SR 432 EB OFF-RAMP LX 03697 MP 0.24 RT TO OLD PACIFIC HIGHWAY S	50	1	35.5			12.5	1	25			4, 6, 7, 9, 10, 11
IM6-1	I-5 SB ON-RAMP S1 04210 MP 0.21 RT FROM LEXINGTON BRIDGE DRIVE	50	1	37.9				1	25			3, 4, 6, 10, 11
IM6-2	I-5 SB OFF-RAMP R1 04300 MP 0.15 RT TO LEXINGTON BRIDGE DRIVE	50	1	40.9				1	25			3, 4, 6, 10, 11
IM6-3	I-5 SB OFF-RAMP R1 04300 MP 0.33 RT TO LEXINGTON BRIDGE DRIVE	50	1	35.5	62.5				25			1, 4, 6, 10, 11
IM7-1	I-5 NB ON-RAMP Q1 05041 0.07 RT TO CASTLE ROCK	50	1	35.5				1	25			3, 4, 6, 10, 11
IM8-1	I-5 SB SR505 OFF-RAMP R1 06375 MP 0.31 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
IM9-1	I-5 NB OFF-RAMP P1 06809 MP 0.19 LT TO US12	50	1	56.9				1	25			3, 4, 6, 10, 11
IM9-2	I-5 SB ON-RAMP S5 06817 MP 0.22 RT TO US12	50	1	37.9				1	25			3, 4, 6, 10, 11
IM9-3	I-5 SB OFF-RAMP R1 06886 MP 0.00 RT TO US12	50	1	56.9			50	1	25			3, 4, 5, 6, 10, 11
IM10-1	I-5 SB OFF-RAMP R1 07141 MP 0.35 RT TO SR 508	50	1	67.5			62.5	1	25			3, 4, 6, 10, 11
IM11-1	I-5 SB OFF-RAMP R1 07679 MP 0.04 RT TO SW PARKLAND DR	50	1	49.8				1	25			3, 4, 6, 10, 11
	SHEET TOTAL	1412.5	28	1,231.8	125	1	487.5	26	650	1		
	PROJECT TOTAL	4537.5	90	4,706.5	125	1	1550	88	2200	1		

GENERAL NOTES:

GUARDRAIL LOCATIONS TO BE STAKED BY THE ENGINEER.

1. SEE STANDARD PLAN C-22.16 FOR BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2.

2. SEE STANDARD PLAN C-7 FOR BEAM GUARDRAIL END SECTION - DESIGN D

3. SEE STANDARD PLAN C-22.40 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL - MSKT-SP-MGS (TL-3)

4. SEE STANDARD PLAN C-25.80 FOR BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR

5. SEE STANDARD PLAN C-23.70 FOR BEAM GUARDRAIL ANCHOR TYPE 11.

6. SEE STANDARD PLAN C-20.10 BEAM GUARDRAIL TYPE 31.

7. SEE STANDARD PLAN C-22.45 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL- MSKT-SP-MGS (TL-2)

8. SEE STANDARD PLAN I-30.60 FOR COIR LOG PLACEMENT

9. SEE APENDIX E OF THE SPECIAL PROVISIONS FOR ADAPTOR PLATE

10. THE CONTRACTOR MUST NOTIFY WSDOT BY EMAIL IF THEY DISTURBED ANY GPS SURVEY CONTROL POINTS WHILE INSTALLING THE GUARDRAIL AND BREAKAWAY CABLE TERMINALS

11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY SIGNS OR GUIDE POSTS WHEN THEY ARE INSTALLING THE GUARD RAIL OR BREAKAWAY CABLE TERMINALS

12. SEE STANDARD PLAN C-25.30 FOR BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 24

DESIGNED BY	B. SELLARDS		
ENTERED BY	B. SELLARDS		
CHECKED BY	M. DEGENHART		
PROJ. ENGR.	M. BRIGGS		
REGION ADM.	C. FRANCIS		
		DATE	**DATE**

REVISION

REGION NO. 10

JOB NUMBER 21X328

CONTRACT NO.

FED. AID PROJ. NO.

SEC 164-9999(866)

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FEEWAYS 21-23

QUANTITY TABULATION

QT1

SHEET 6 **OF** 40 **SHEETS**

QUANTITY TABULATION

NOTE:
MP LOCATIONS START AT THE BEGINNING OF THE RAMP
FOR RAMP DESIGNATIONS P, Q, R, & S, SEE IM1 TO IM23

CODE	LOCATION ↓ \ UNIT OF MEASURE →	REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	CRUSHED SURFACING BASE COURSE	BEAM GUARDRAIL - BURRIED TERMINAL TYPE 2	BEAM GUARDRAIL TRANSITION SECTION TYPE 24	BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	RAISING EXISTING GUARDRAIL	BEAM GUARDRAIL ANCHOR TYPE 11		SEE GENERAL NOTES
		L.F.	EACH	TON	L.F.	EACH	L.F.	EACH	L.F.	EACH		
IM12-1	I-5 NB OFF RAMP P1 07765 MP 0.18 RT TO SR6	50	1	49.8			50	1	25			3, 6, 10, 11
IM12-2	SR6 TO I-5 NB ON-RAMP Q1 07839 MP 0.02 LT	50	1	35.5				1	25			3, 4, 6, 10, 11
IM12-3	SR6 TO I-5 NB ON-RAMP Q1 07839 MP 0.02 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
IM13-1	I-5 NB OFF-RAMP P1 07883 MP 0.17 LT TO NW CHAMBER WAY	50	1	35.5				1	25			3, 6, 10, 11
IM14-1	SR14 EB OFF-RAMP P1 00417 MP 0.12 RT TO NB LIESER RD	50	1	49.8				1	25			3, 4, 6, 10, 11
IM15-1	SR14 EB OFF-RAMP P1 00792 MP 0.50 LT TO SE 164 TH AVE	50	1	44.7				1	25			3, 4, 6, 10, 11
IM15-2	SR14 WB OFF-RAMP R1 00890 MP 0.05 RT TO SE 164 TH AVE	50	1	35.5			62.5	1	25			3, 5, 6, 10, 11
IM16-1	SR14 EB OFF-RAMP P1 00982 MP 0.05 RT TO SE 192ND AVE	50	1	35.5			25	1	25			3, 4, 6, 10, 11
IM16-2	SR14 EB ON-RAMP P1 00982 MP 0.28 RT TO SE 192ND AVE	50	1	35.5				1	25			3, 4, 6, 10, 11
IM16-3	SR14 EB ON-RAMP P1 00982 MP 0.29 LT TO SE 192ND AVE	50	1	35.5				1	25			3, 4, 6, 10, 11
IM16-4	SE 192ND AVE ON-RAMP Q1 01046 MP 0.30 RT TO SR14 EB	50	1	35.5				1	25			3, 4, 6, 10, 11
IM17-1	SR14 EB OFF-RAMP P1 01203 MP 0.28 RT TO NW 6TH AVE CITY CENTER	50	1	120.9				1	25			3, 4, 6, 10, 11
IM18-1	I-205 SB OFF-RAMP R1 02765 MP 0.22 RT TO SR14 WB	50	1	67.5				1	25			3, 4, 6, 10, 11
IM18-2	I-205 SB OFF-RAMP R2 02765 MP 0.12 RT TO SR14 EB	37.5	1	227.5			37.5	1	25			6, 7, 10, 11
IM18-3	I-205 SB OFF-RAMP R2 02765 MP 0.15 LT TO SR14 EB	37.5	1	227.5			12.5	1	25			6, 7, 10, 11
IM19-1	I-205 NB OFF-RAMP P1 03060 MP 0.58 RT TO SR500 EB	50	1	35.5				1	25			3, 4, 6, 10, 11
IM19-2	I-205 NB OFF-RAMP P2 03060 MP 0.15 RT TO GHER RD	50	1	67.5				1	25			3, 4, 6, 10, 11
IM19-3	I-205 NB OFF-RAMP P5 03097 MP 0.25 RT TO SR500 WB	50	1	67.5				1	25			3, 4, 6, 10, 11
IM19-4	I-205 NB OFF-RAMP CL 03005 MP 0.31 RT TO SR500 EB	50	1	85.3			25	1	25			3, 4, 6, 10, 11
IM19-5	I-205 NB OFF-RAMP CL 03005 MP 1.07 RT TO SR500 WB THROUGH LANE	50	1	37.9			12.5	1	25			3, 4, 6, 10, 11
IM19-6	I-205 SB OFF-RAMP CD 03165 MP 0.57 RT TO SR500 EB	50	1	35.5				1	25			3, 4, 6, 10, 11
IM19-7	EB SR500 TO I-205 SB ON-RAMP S1 03061 MP 0.45 RT	50	1	67.5				1	25			3, 4, 6, 10, 11
IM20-1	EB PADDEN PARKWAY TO I-205 SB ON-RAMP S1 03258 MP 0.29 RT	50	1	35.5				1	25			3, 4, 5, 6, 10, 11
IM21-1	NE ANDRESEN ON-RAMP Q1 00333 MP 0.04 RT TO SR500 EB	50	1	37.9				1	25			3, 4, 6, 10, 11
IM21-2	SR500 WB OFF-RAMP R1 00352 MP 0.02 RT TO NE ANDRESEN	50	1	35.5			37.5	1	25			3, 5, 6, 10, 11
IM22-1	SR500 EB OFF-RAMP P1 00350 MP 0.15 RT TO NE THURSTON WAY	50	1	37.9				1	25			3, 4, 6, 10, 11
IM22-2	SR500 WB OFF-RAMP R1 00422 MP 0.03 RT TO NE THURSTON WAY	50	1	37.9			87.5	1	25			3, 4, 6, 10, 11
IM23-1	SR500 EB OFF-RAMP P1 00480 MP 0.11 RT TO NE 112TH AVE	50	1	35.5				1	25			3, 4, 6, 10, 11
IM23-2	SR500 EB OFF-RAMP P1 00480 MP 0.12 LT TO NE 112TH AVE	50	1	35.5				1	25			3, 4, 6, 10, 11
IM23-3	NE 112TH AVE ON-RAMP S1 00526 MP 0.03 RT TO SR500 WB	50	1	35.5				1	25			3, 4, 6, 10, 11
	SHEET TOTAL	1475	30	1760.5	0	0	350	30	750	0		
	PROJECT TOTAL	4537.5	90	4706.5	125	1	1550	88	2200	1		

GENERAL NOTES:

GUARDRAIL LOCATIONS TO BE STAKED BY THE ENGINEER.

1. SEE STANDARD PLAN C-22.16 FOR BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2.

2. SEE STANDARD PLAN C-7 FOR BEAM GUARDRAIL END SECTION - DESIGN D

3. SEE STANDARD PLAN C-22.40 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL - MSKT-SP-MGS (TL-3)

4. SEE STANDARD PLAN C-25.80 FOR BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR

5. SEE STANDARD PLAN C-23.70 FOR BEAM GUARDRAIL ANCHOR TYPE 11.

6. SEE STANDARD PLAN C-20.10 BEAM GUARDRAIL TYPE 31.

7. SEE STANDARD PLAN C-22.45 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL- MSKT-SP-MGS (TL-2)

8. SEE STANDARD PLAN I-30.60 FOR COIR LOG PLACEMENT

9. SEE APENDIX E OF THE SPECIAL PROVISIONS FOR ADAPTOR PLATE

10. THE CONTRACTOR MUST NOTIFY WSDOT BY EMAIL IF THEY DISTURBED ANY GPS SURVEY CONTROL POINTS WHILE INSTALLING THE GUARDRAIL AND BREAKAWAY CABLE TERMINALS

11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY SIGNS OR GUIDE POSTS WHEN THEY ARE INSTALLING THE GUARD RAIL OR BREAKAWAY CABLE TERMINALS

12. SEE STANDARD PLAN C-25.30 FOR BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 24

DESIGNED BY	B. SELLARDS		
ENTERED BY	B. SELLARDS		
CHECKED BY	M. DEGENHART		
PROJ. ENGR.	M. BRIGGS		
REGION ADM.	C. FRANCIS		
		DATE	**DATE**

REVISION

REGION NO. 10

JOB NUMBER 21X328

CONTRACT NO.

FED. AID PROJ. NO.

SEC 164-9999(866)

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FEEWAYS 21-23

QUANTITY TABULATION

QT2

SHEET 7 **OF** 40 **SHEETS**

QUANTITY TABULATION

NOTE:
MP LOCATIONS START AT THE BEGINNING OF THE RAMP
FOR RAMP DESIGNATIONS P, Q, R, & S, SEE IM1 TO IM23

State Route	LOCATION ➢ \ UNIT OF MEASURE ➢	REMOVING GUARDRAIL	REMOVING GUARDRAIL ANCHOR	CRUSHED SURFACING BASE COURSE	BEAM GUARDRAIL - BURRIED TERMINAL TYPE 2	BEAM GUARDRAIL TRANSITION SECTION TYPE 24	BEAM GUARDRAIL TYPE 31	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL	RAISING EXISTING GUARDRAIL	BEAM GUARDRAIL ANCHOR TYPE 11		SEE GENERAL NOTES
		L.F.	EACH	TON	L.F.	EACH	L.F.	EACH	L.F.	EACH		
I-5	I-5 SB AT MAIN LINE MP 44.22 RT - WEIGH STATION	50	1	49.8				1	25			3, 4, 6, 5, 10, 11
SR 14	SR14 EB MAIN LINE MP 0.94 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
	SR14 EB MAIN LINE MP 2.46 RT	50	1	49.8				1	25			3, 4, 6, 10, 11
	SR14 EB MAIN LINE MP 4.95 RT	50	1	56.9			100	1	25			3, 4, 6, 10, 11
	SR14 EB MAIN LINE MP 9.67 RT	50	1	37.9				1	25			3, 4, 6, 10, 11
	SR14 EB MAIN LINE MP 11.55 RT	50	1	85.3				1	25			3, 4, 6, 10, 11
	SR14 WB MAIN LINE MP 9.33 RT	50	1	35.5			75	1	25			3, 5, 6, 10, 11
	SR14 WB MAIN LINE MP 9.25 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
	SR14 WB MAIN LINE MP 8.64 RT	50	1	85.3				1	25			3, 4, 6, 10, 11
	SR14 WB MAIN LINE MP 4.79 RT	50	1	120.9			25	1	25			3, 4, 6, 9, 10, 11
SR 500	SR 500 EB MAIN LINE MP 2.93 RT	50	1	120.9				1	25			3, 4, 6, 10, 11
	SR 500 EB MAIN LINE MP 3.43 RT	50	1	44.7			62.5	1	25			3, 5, 6, 10, 11
	SR 500 EB MAIN LINE MP 3.52 RT	50	1	37.9			62.5	1	25			3, 5, 6, 10, 11
	SR 500 EB MAIN LINE MP 4.20 RT	50	1	35.5			37.5	1	25			3, 5, 6, 10, 11
	SR 500 EB MAIN LINE MP 4.67 RT	50	1	40.9			25	1	25			3, 5, 6, 10, 11
	SR 500 EB MAIN LINE MP 4.98 RT	50	1	40.9				1	25			3, 4, 6, 10, 11
	SR 500 EB MAIN LINE MP 5.84 RT	50	1	37.9			37.5	1	25			3, 4, 6, 10, 11
	SR 500 EB MAIN LINE MP 5.92 RT	50	1	44.7			25	1	25			3, 5, 6, 10, 11
	SR 500 WB MAIN LINE MP 5.89 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
	SR 500 WB MAIN LINE MP 5.79 RT	50	1	35.5			50	1	25			3, 4, 6, 9
	SR 500 WB MAIN LINE MP 5.10 RT	50	1	35.5			62.5	1	25			3, 5, 6, 10, 11
	SR 500 WB MAIN LINE MP 4.36 RT	50	1	67.5				1	25			3, 4, 6, 10, 11
	SR 500 WB MAIN LINE MP 4.01 RT	50	1	35.5				1	25			3, 4, 6, 10, 11
	SR 500 WB MAIN LINE MP 3.62 RT	50	1	56.9			12.5	1	25			3, 4, 6, 10, 11
	SR 500 WB MAIN LINE MP 3.33 RT	50	1	120.9				1	25			3, 4, 6, 10, 11
SR 502	SR502 WB MAIN LINE MP 0.84 RT	50	1	40.9				1	25			3, 4, 6, 10, 11
	SR502 WB MAIN LINE MP 0.16 RT	50	1	40.9				1	25			3, 4, 6, 10, 11
	SR502 EB MAIN LINE MP 0.25 RT	50	1	40.9				1	25			3, 4, 6, 10, 11
SR 432	SR432 EB MAIN LINE MP 8.51 RT	75	1	44.7			75	1	25			3, 5, 6, 10, 11
	SR432 EB MAIN LINE MP 8.61 RT	50	1	56.9				1	25			3, 4, 6, 10, 11
	SR432 EB MAIN LINE MP 9.56 RT	50	1	49.8				1	25			3, 4, 6, 10, 11
	SR432 WB MAIN LINE MP 8.55 RT	75	1	56.9			62.5	1	25			3, 5, 6, 10, 11
	SHEET TOTAL	1650	32	1714.2	0	0	712.5	32	800	0		
	PROJECT TOTAL	4537.5	90	4706.5	125	1	1550	88	2200	1		

GENERAL NOTES:

GUARDRAIL LOCATIONS TO BE STAKED BY THE ENGINEER.

1. SEE STANDARD PLAN C-22.16 FOR BEAM GUARDRAIL TYPE 31 BURIED TERMINAL TYPE 2.

2. SEE STANDARD PLAN C-7 FOR BEAM GUARDRAIL END SECTION - DESIGN D

3. SEE STANDARD PLAN C-22.40 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL - MSKT-SP-MGS (TL-3)

4. SEE STANDARD PLAN C-25.80 FOR BEAM GUARDRAIL TYPE 31 TO BEAM GUARDRAIL TYPE 1 ADAPTOR

5. SEE STANDARD PLAN C-23.70 FOR BEAM GUARDRAIL ANCHOR TYPE 11.

6. SEE STANDARD PLAN C-20.10 BEAM GUARDRAIL TYPE 31.

7. SEE STANDARD PLAN C-22.45 FOR BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL- MSKT-SP-MGS (TL-2)

8. SEE STANDARD PLAN I-30.60 FOR COIR LOG PLACEMENT

9. SEE APENDIX E OF THE SPECIAL PROVISIONS FOR ADAPTOR PLATE

10. THE CONTRACTOR MUST NOTIFY WSDOT BY EMAIL IF THEY DISTURBED ANY GPS SURVEY CONTROL POINTS WHILE INSTALLING THE GUARDRAIL AND BREAKAWAY CABLE TERMINALS

11. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY SIGNS OR GUIDE POSTS WHEN THEY ARE INSTALLING THE GUARD RAIL OR BREAKAWAY CABLE TERMINALS

12. SEE STANDARD PLAN C-25.30 FOR BEAM GUARDRAIL (TYPE 31) TRANSITION SECTION TYPE 24

DESIGNED BY	B. SELLARDS		
ENTERED BY	B. SELLARDS		
CHECKED BY	M. DEGENHART		
PROJ. ENGR.	M. BRIGGS		
REGION ADM.	C. FRANCIS		
		DATE	**DATE**

REVISION

REGION NO. 10

JOB NUMBER 21X328

CONTRACT NO.

FED. AID PROJ. NO.

SEC 164-9999(866)

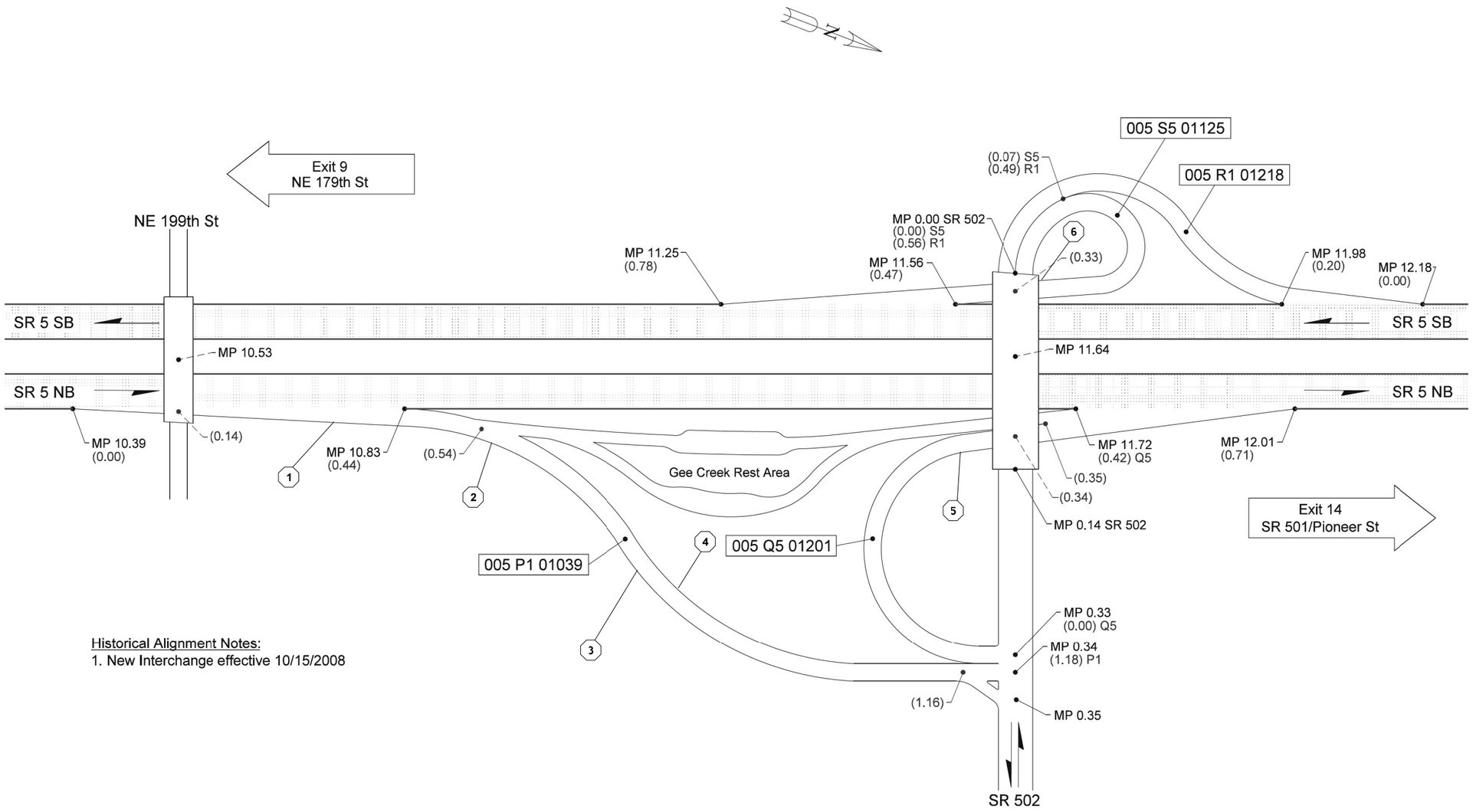
Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FEEWAYS 21-23

QUANTITY TABULATION

QT3

SHEET 8 **OF** 40 **SHEETS**



Historical Alignment Notes:
1. New Interchange effective 10/15/2008

Not To Scale

02/26/2014	KWP	WSDOT SOUTHWEST REGION	CLARK COUNTY	JUNCTION SR 502	SR 5 - EXIT 11

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:07:55 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

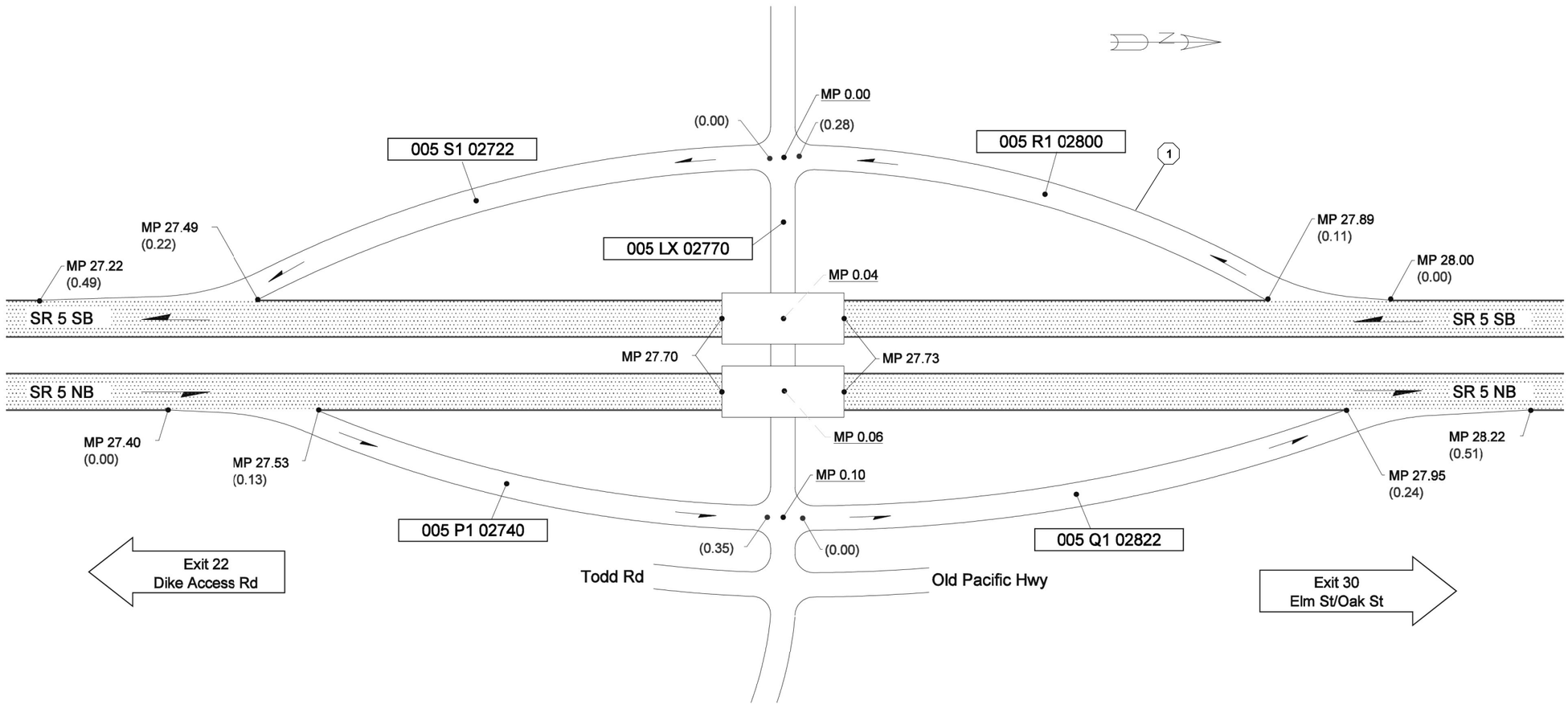
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 11
PLAN REF NO
IM1
SHEET 9 OF 40 SHEETS



Not To Scale

11/3/1998	KLK	WSDOT SOUTHWEST REGION	COWLITZ COUNTY	JUNCTION TODD RD/PORT OF KALAMA	SR 5 - EXIT 27

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn			
TIME	5:08:25 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B.SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

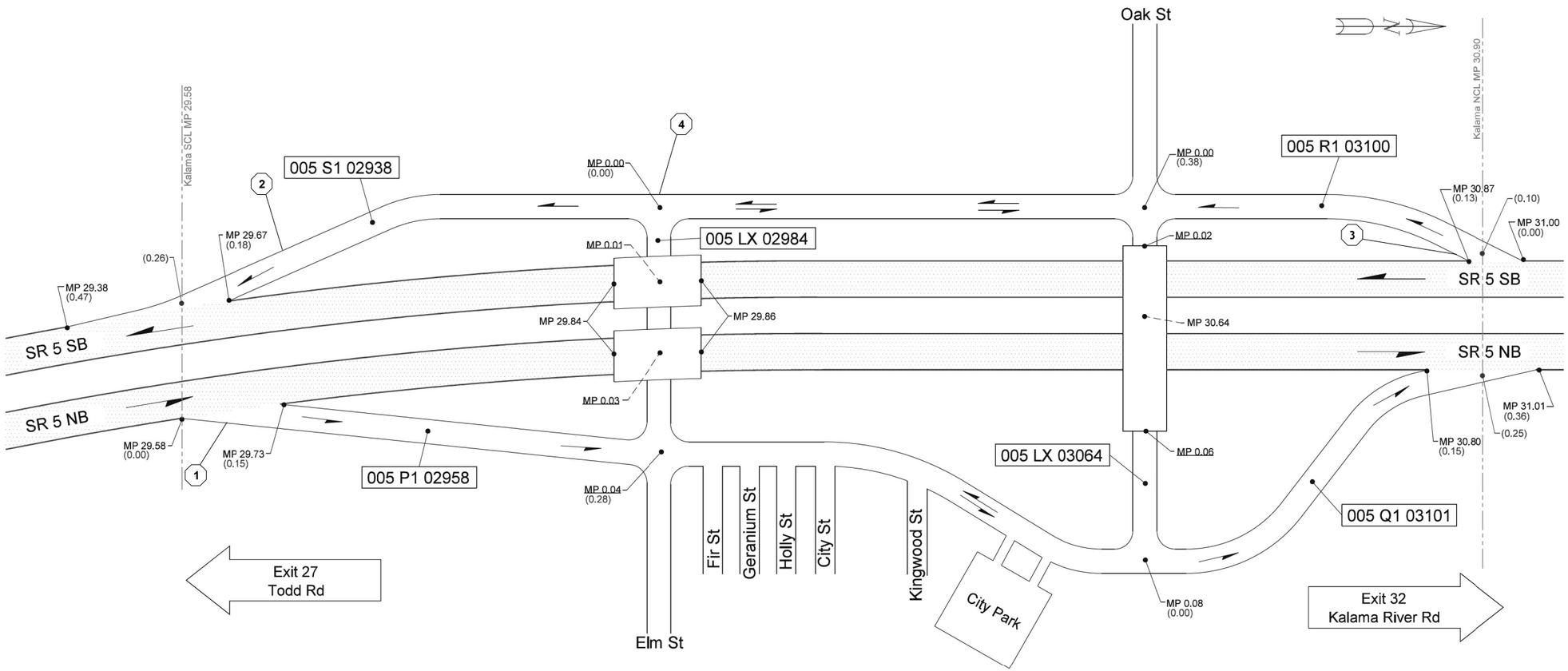
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 12
PLAN REF NO IM2
SHEET 10 OF 40 SHEETS



Not To Scale

07/02/2015	KLK	WSDOT SOUTHWEST REGION	KALAMA, COWLITZ COUNTY	JUNCTION ELM ST/OAK ST	SR 5 - EXIT 30

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn			
TIME	5:08:55 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B. SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

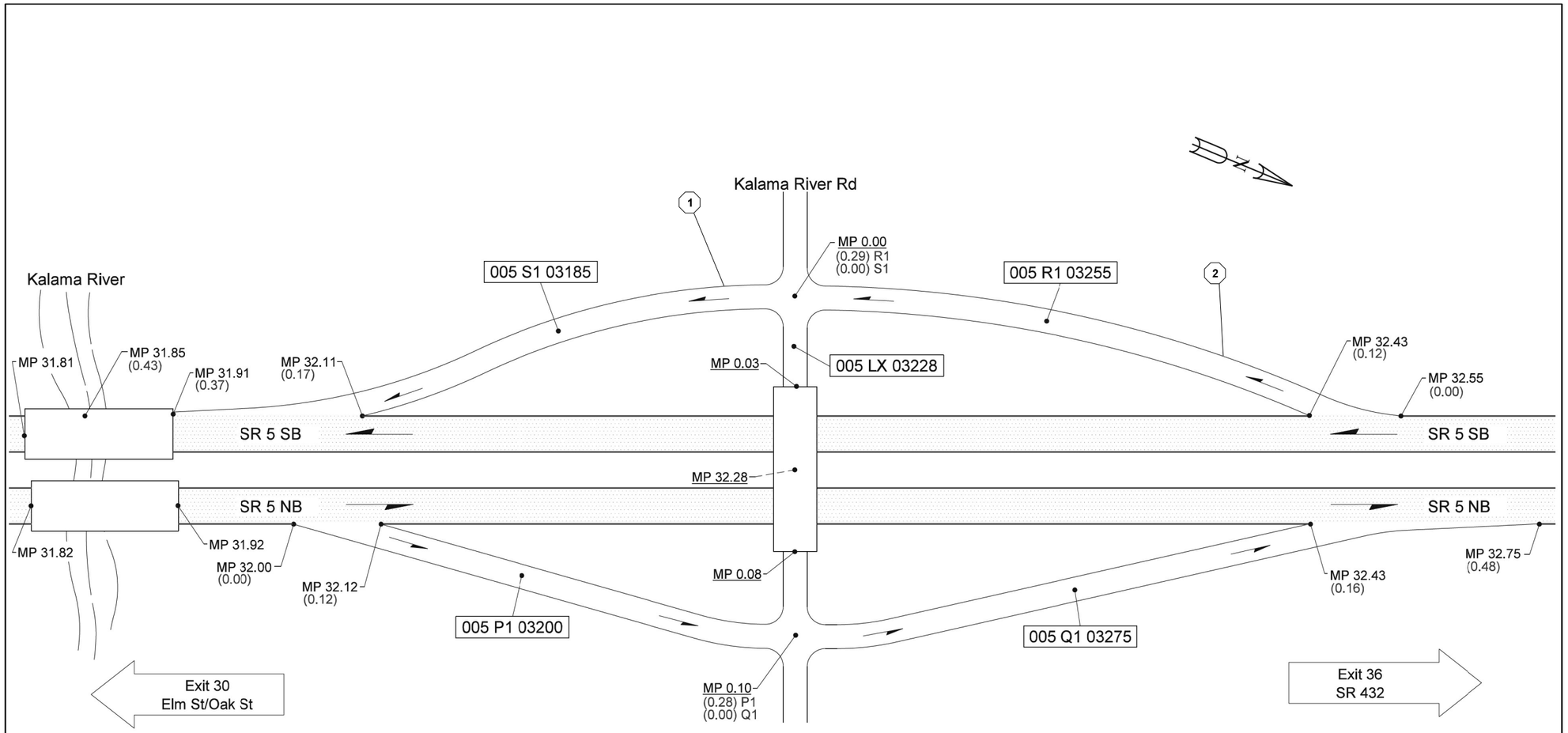
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 13
PLAN REF NO IM3
SHEET 11 OF 40 SHEETS



Not To Scale

03/21/2011	KLK	WSDOT SOUTHWEST REGION	COWLITZ COUNTY	JUNCTION KALAMA RIVER RD	SR 5 - EXIT 32

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:09:30 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER		
21X328		
CONTRACT NO.		LOCATION NO.
		XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

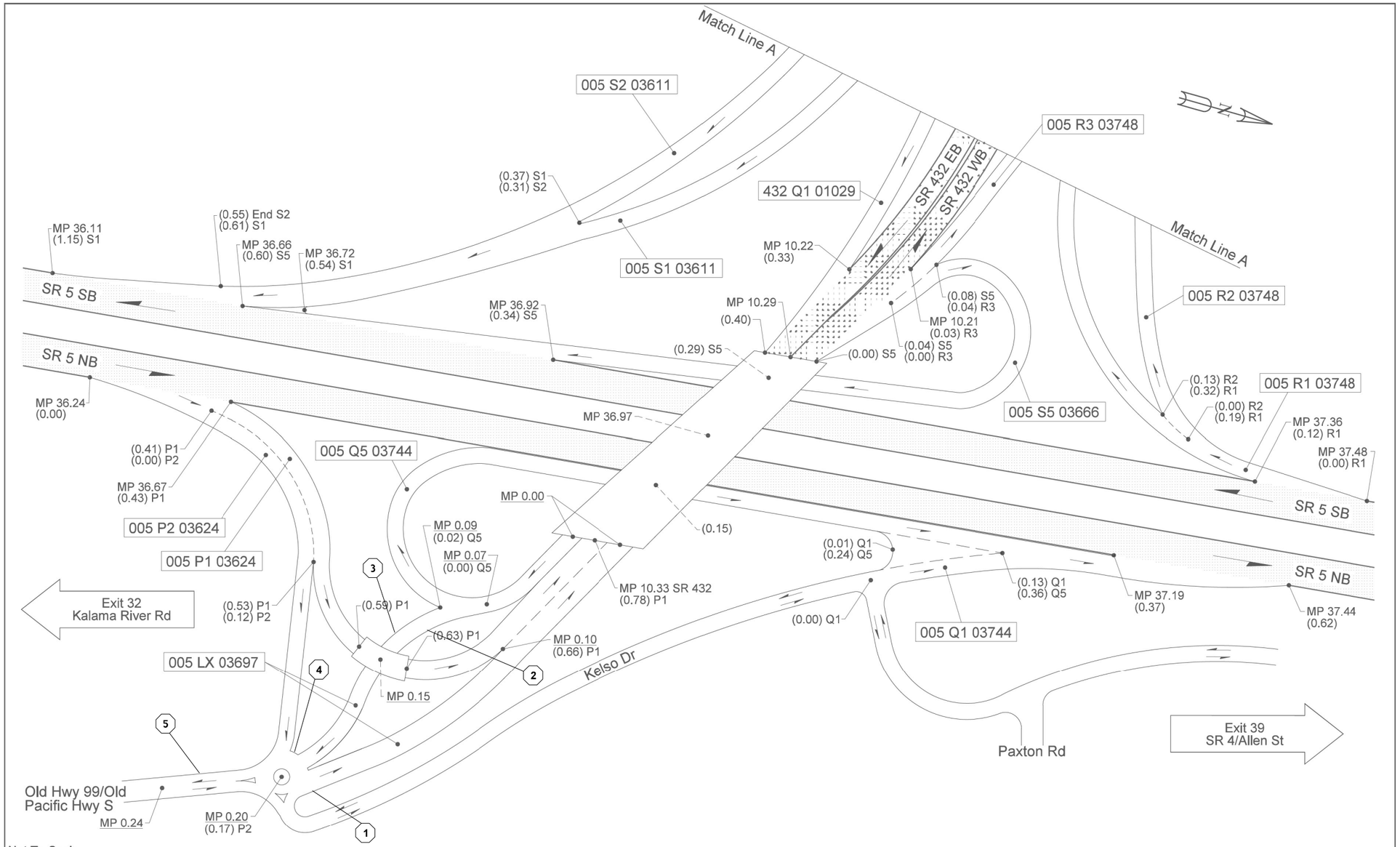
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 14
PLAN REF NO
IM4
SHEET
12
OF
40
SHEETS



Not To Scale

04/21/2016	KLK	WSDOT SOUTHWEST REGION	KELSO, COWLITZ COUNTY	JUNCTION SR 432/KELSO/LONGVIEW	SR 5 - EXIT 36

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:10:07 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

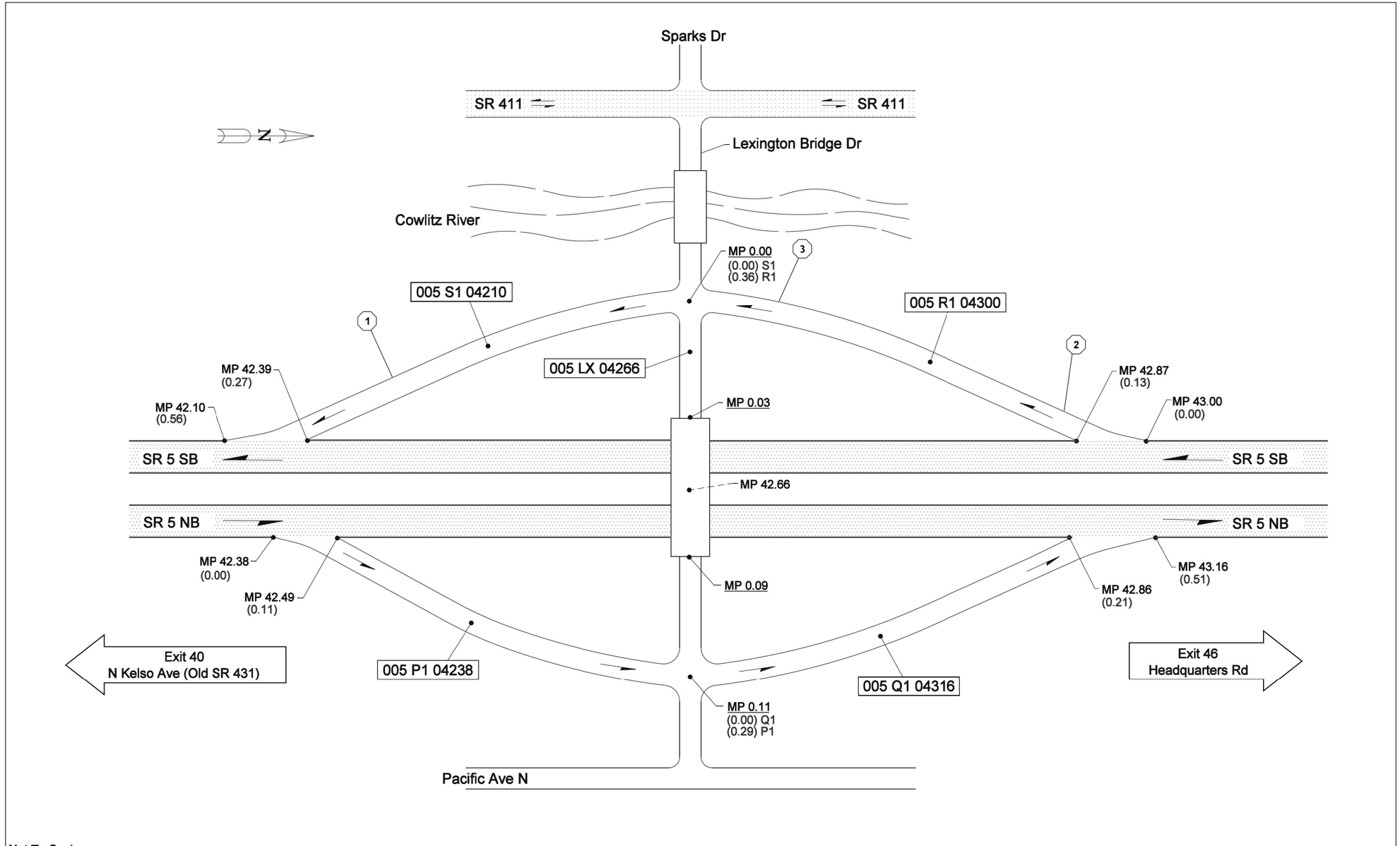
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 15
PLAN REF NO
IM5
SHEET 13 OF 40 SHEETS



Not To Scale

03/25/2013	KLK	WSDOT SOUTHWEST REGION	COWLITZ COUNTY	JCT LEXINGTON BRIDGE DR	SR 5 - EXIT 42

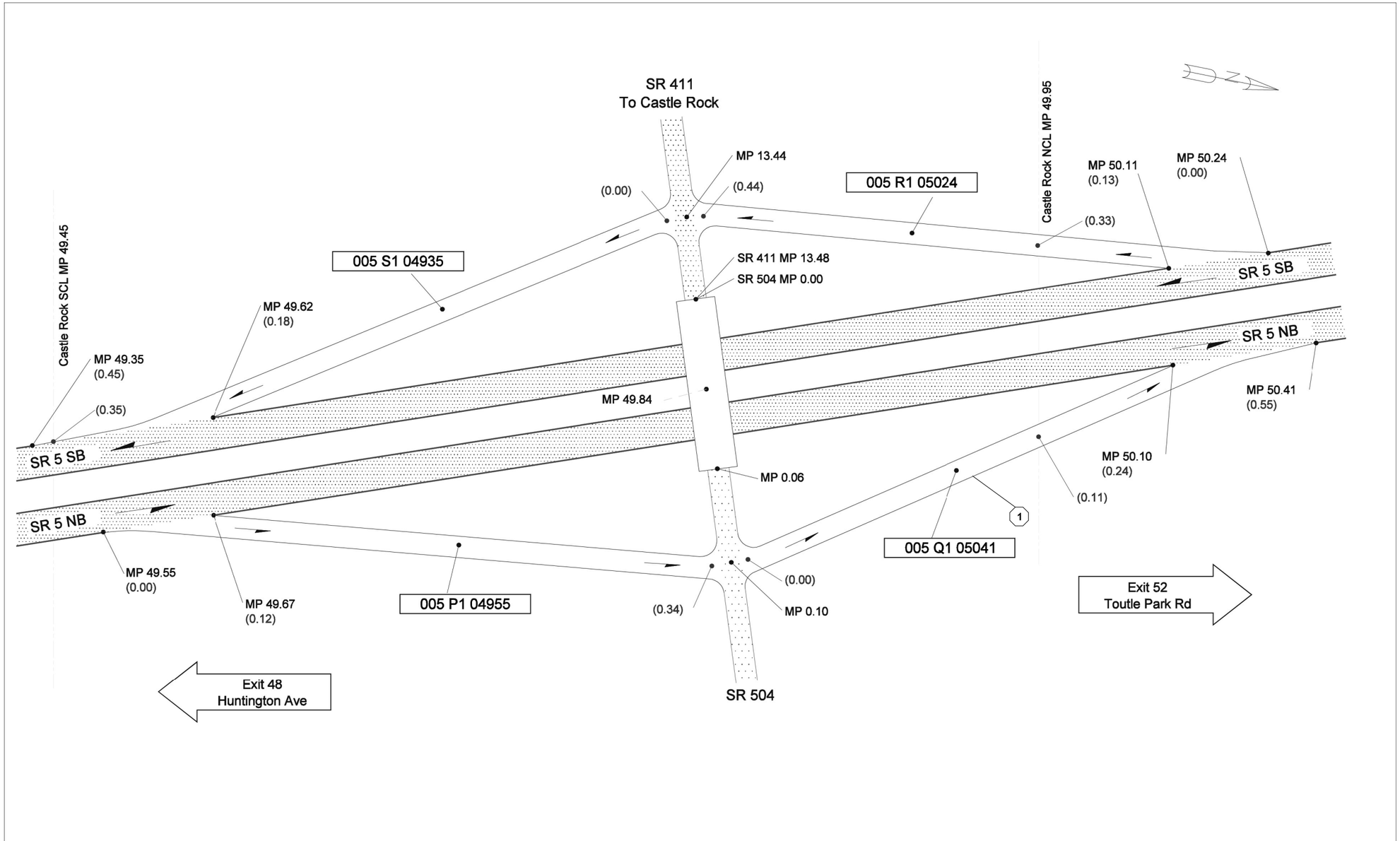
LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)		Plot 16
TIME	5:10:36 PM								PLAN REF NO IM6
DATE	12/5/2022								
PLOTTED BY	Sellarb				JOB NUMBER 21X328			Washington State Department of Transportation	SWR BREAKAWAY CABLE TERMINAL REPLACEMENT FREEWAYS 21-23
DESIGNED BY	B. SELLARDS								
ENTERED BY	B. SELLARDS								
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		INTERCHANGE MAP
PROJ. ENGR.	M. BRIGGS								SHEET 14 OF 40 SHEETS
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY					

SEE SHEET CT1 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX



Not To Scale

11/4/1998	KLK	WSDOT SOUTHWEST REGION	CASTLE ROCK, COWLITZ COUNTY	JUNCTION SR 411/SR 504/TOUTLE	SR 5 - EXIT 49

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:11:07 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

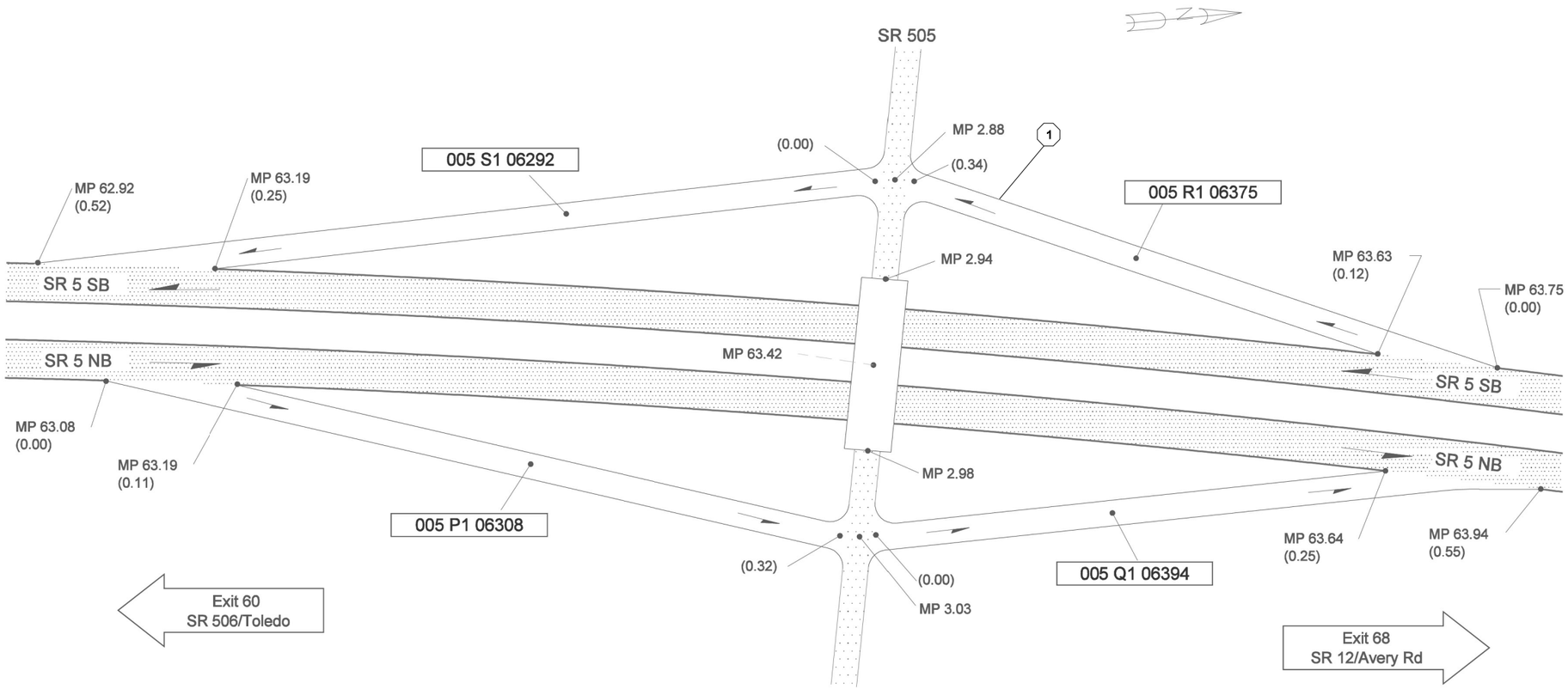
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 17
PLAN REF NO
IM7
SHEET 15 OF 40 SHEETS



Not To Scale

11/4/1998	KLK	WSDOT SOUTHWEST REGION	LEWIS COUNTY	JUNCTION SR 505/WINLOCK/TOLEDO	SR 5 - EXIT 63

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:11:38 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

WILLIAM ROBERT VERLON PRICE — STATE OF WASHINGTON — 55548 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

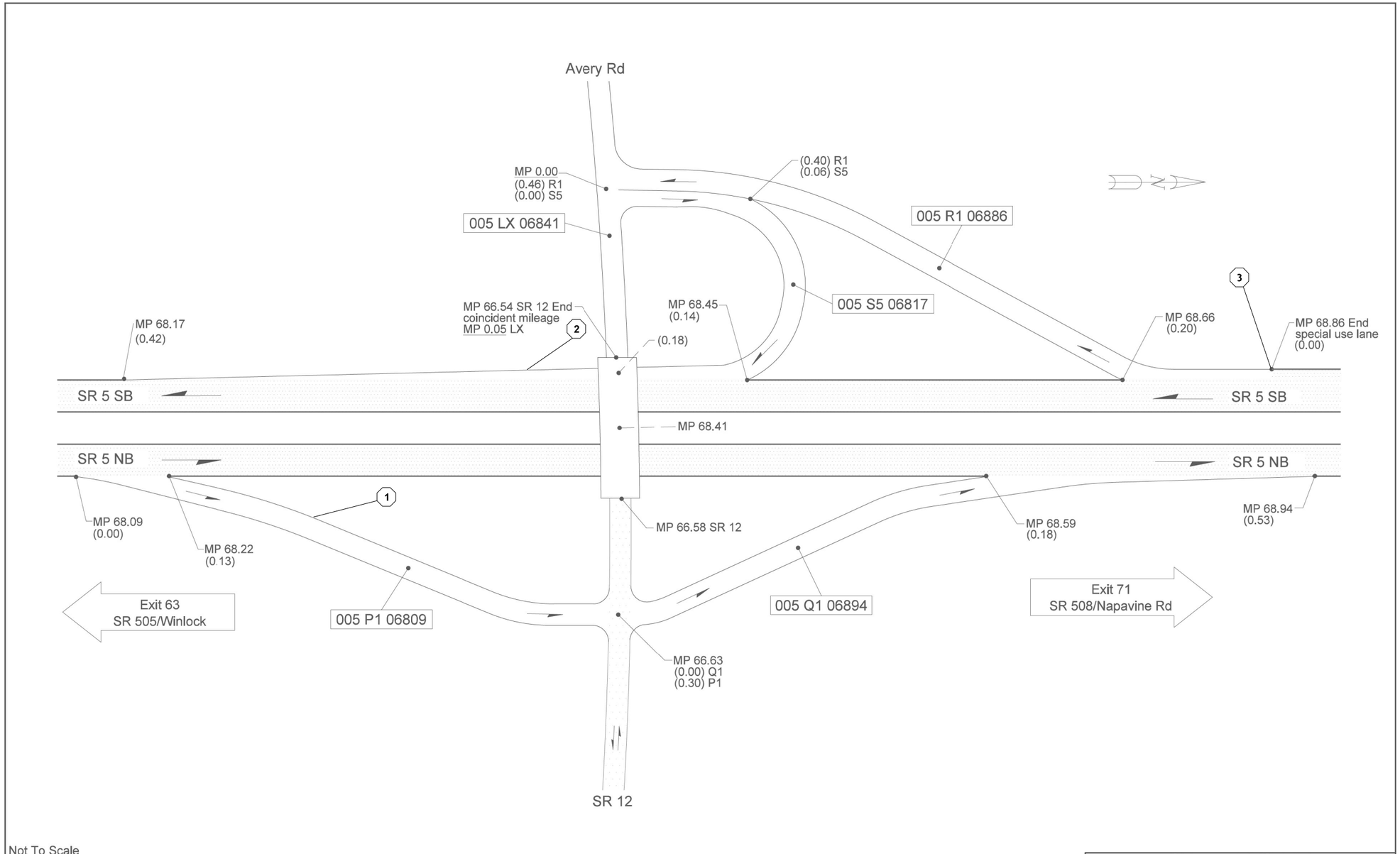
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 18
PLAN REF NO IM8
SHEET 16 OF 40 SHEETS



Not To Scale

03/08/2018	KLK	WSDOT SOUTHWEST REGION	LEWIS COUNTY	JUNCTION SR 12/AVERY RD	SR 5 - EXIT 68

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:12:08 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

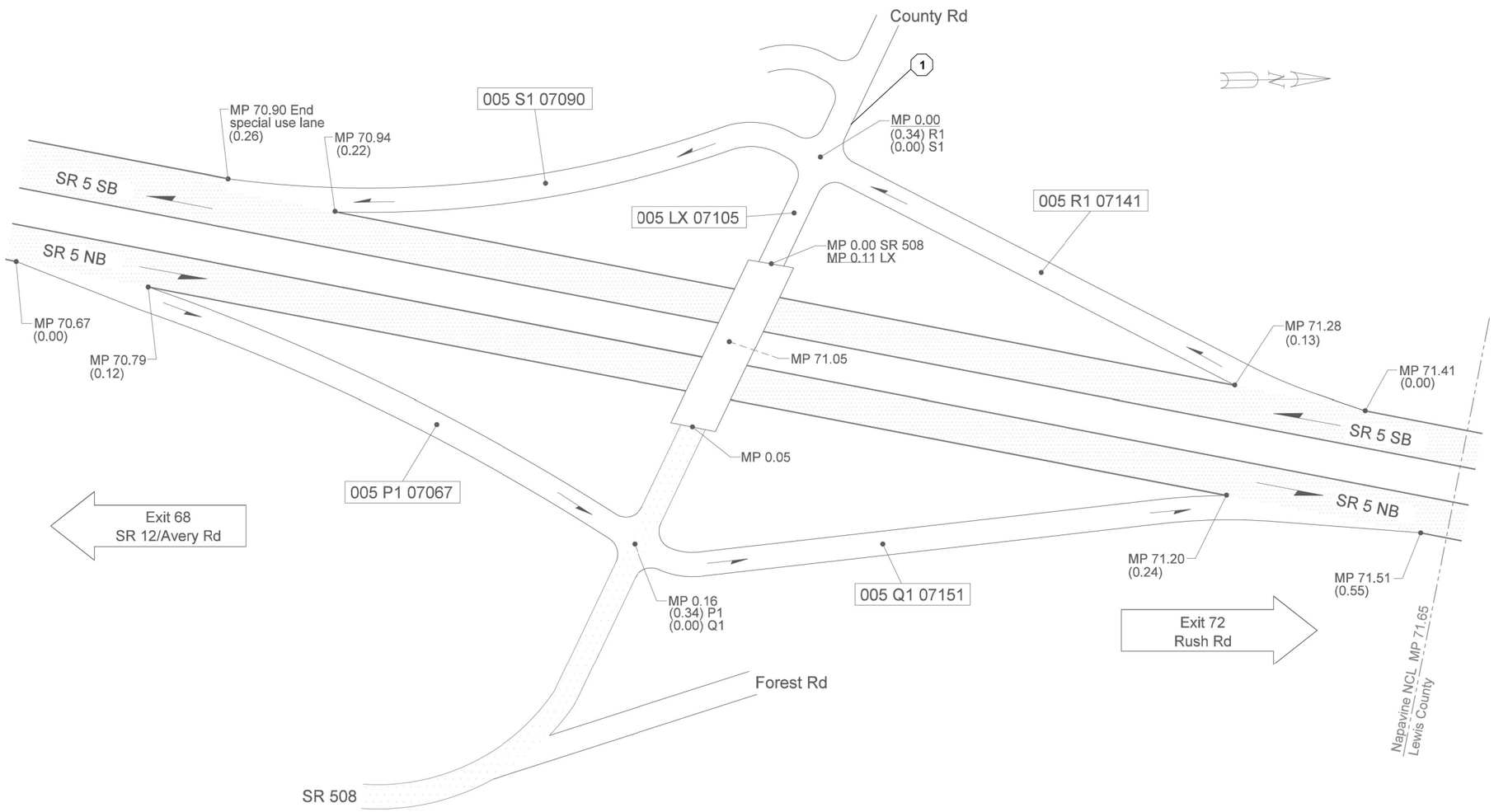
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 19
PLAN REF NO
IM9
SHEET 17 OF 40 SHEETS



Not To Scale

08/11/2016	KLK	WSDOT SOUTHWEST REGION	LEWIS COUNTY	JUNCTION SR 508/NAPAVINE RD W	SR 5 - EXIT 71

LEGEND

BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_1.dgn				
TIME	5:12:35 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

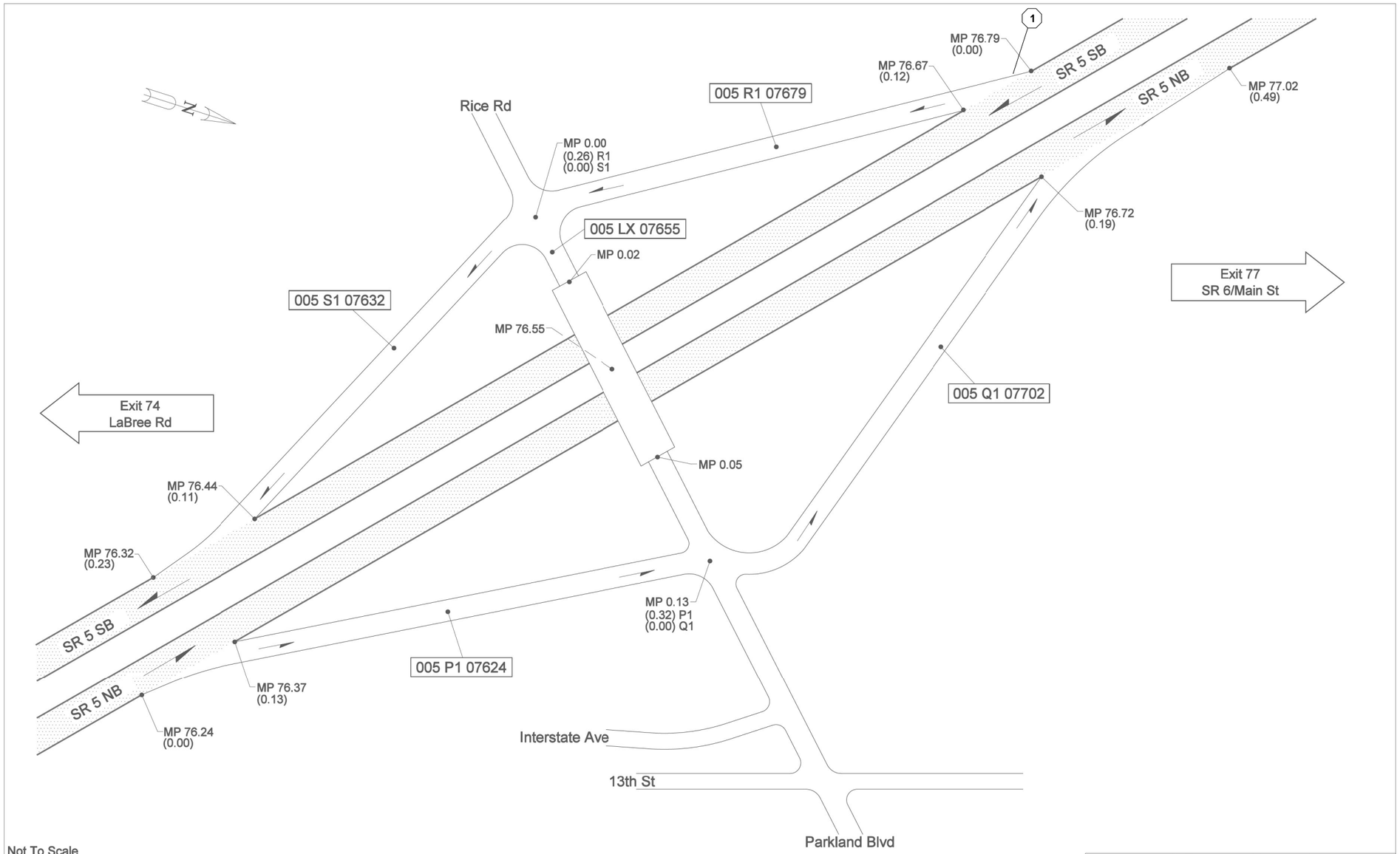
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 20
PLAN REF NO
IM10
SHEET 18 OF 40 SHEETS



Not To Scale

06/24/2009	KLK	WSDOT SOUTHWEST REGION	CHEHALIS, LEWIS COUNTY	JUNCTION RICE RD/PARKLAND BLVD	SR 5 - EXIT 76

LEGEND

BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn			
TIME	6:43:13 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B.SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

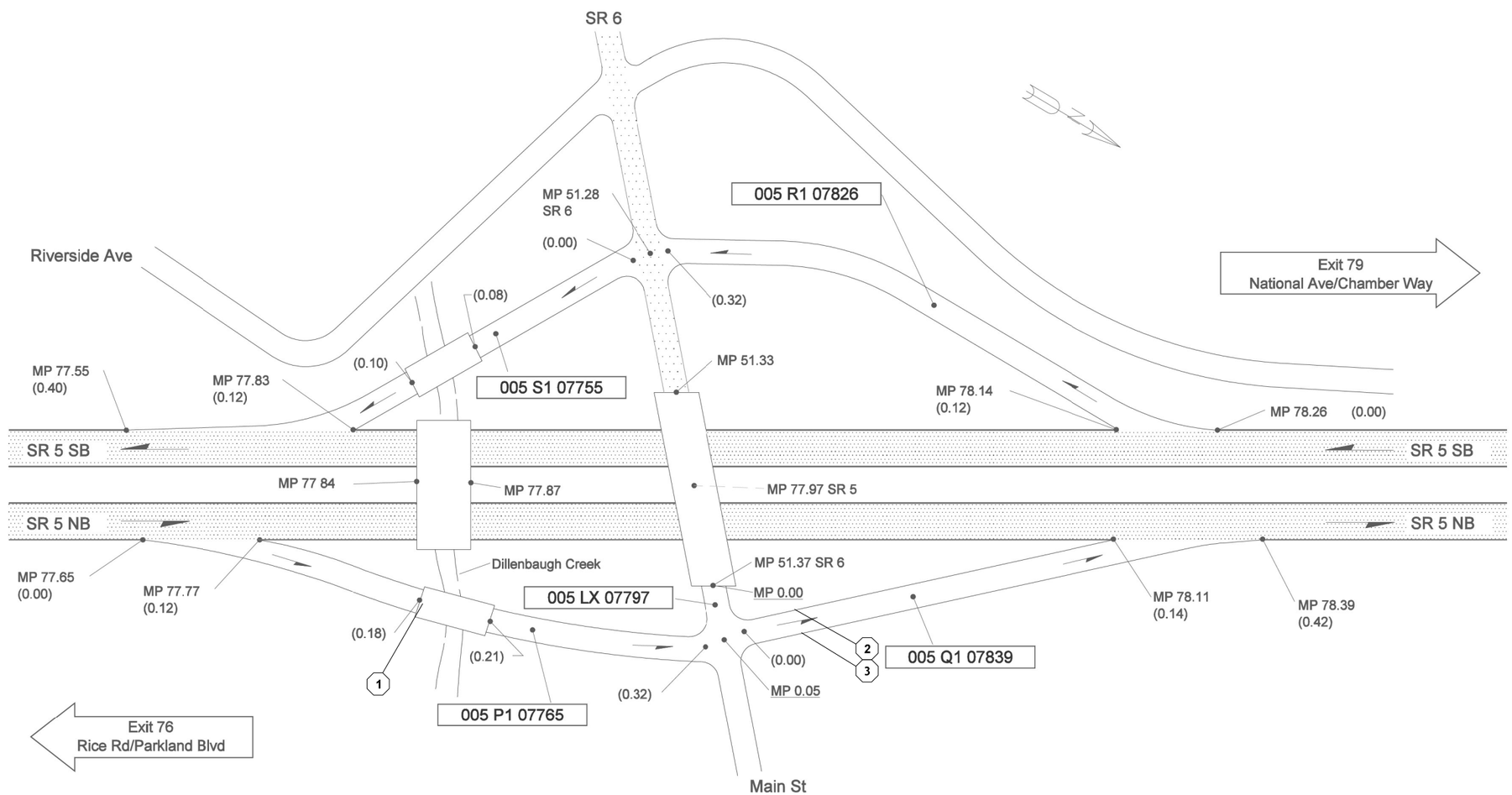
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 21
PLAN REF NO
IM11
SHEET 19 OF 40 SHEETS



Not To Scale

8/3/1992	KLK	WSDOT SOUTHWEST REGION	CHEHALIS, LEWIS COUNTY	JUNCTION SR 6/MAIN ST	SR 5 - EXIT 77

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				
TIME	6:53:09 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

P.E. STAMP BOX — SEE SHEET CT1 — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

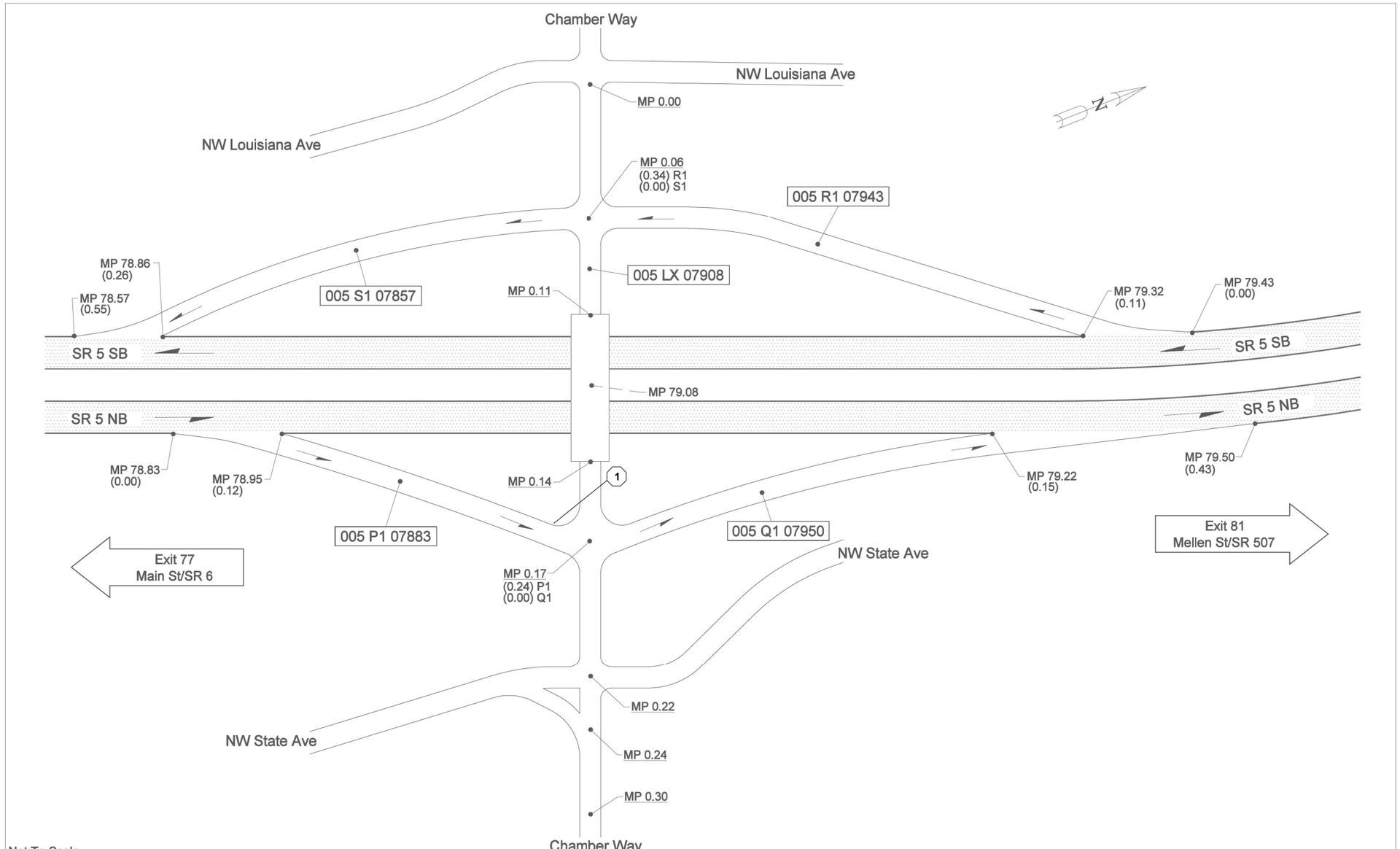
SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 22

PLAN REF NO IM12

SHEET 20 OF 40 SHEETS



02/25/2009	KLK	WSDOT SOUTHWEST REGION	CHEHALIS, LEWIS COUNTY	JUNCTION NATIONAL AVE/CHAMBER WAY	SR 5 - EXIT 79

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)		Plot 23
TIME	6:53:27 PM								PLAN REF NO IM13
DATE	12/5/2022								
PLOTTED BY	Sellarb								
DESIGNED BY	B. SELLARDS				JOB NUMBER 21X328				
ENTERED BY	B. SELLARDS								
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		
PROJ. ENGR.	M. BRIGGS								
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY					

SEE SHEET CT1
DATE
P.E. STAMP BOX

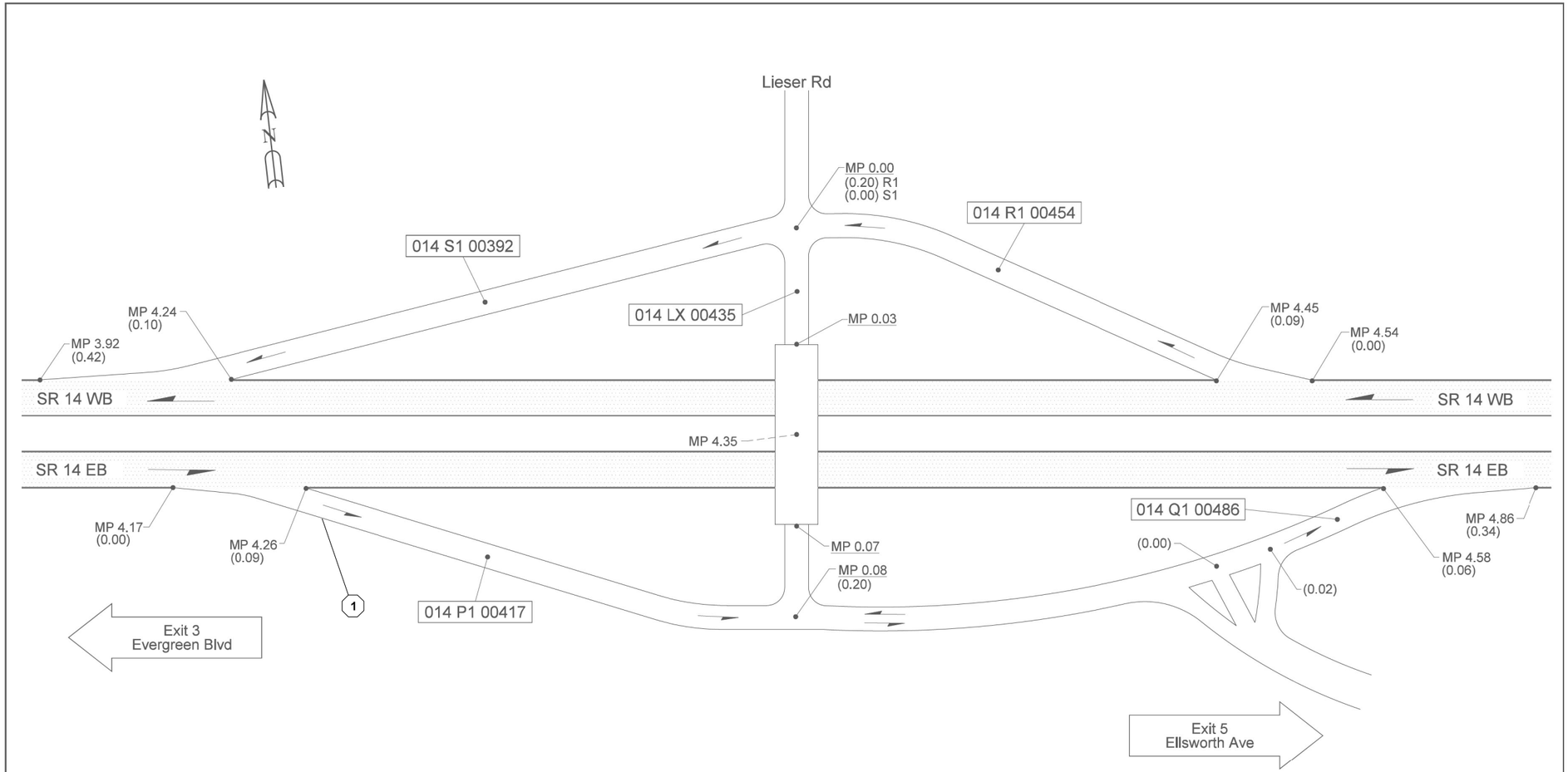
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

SHEET 21 OF 40 SHEETS



Not To Scale

LEGEND

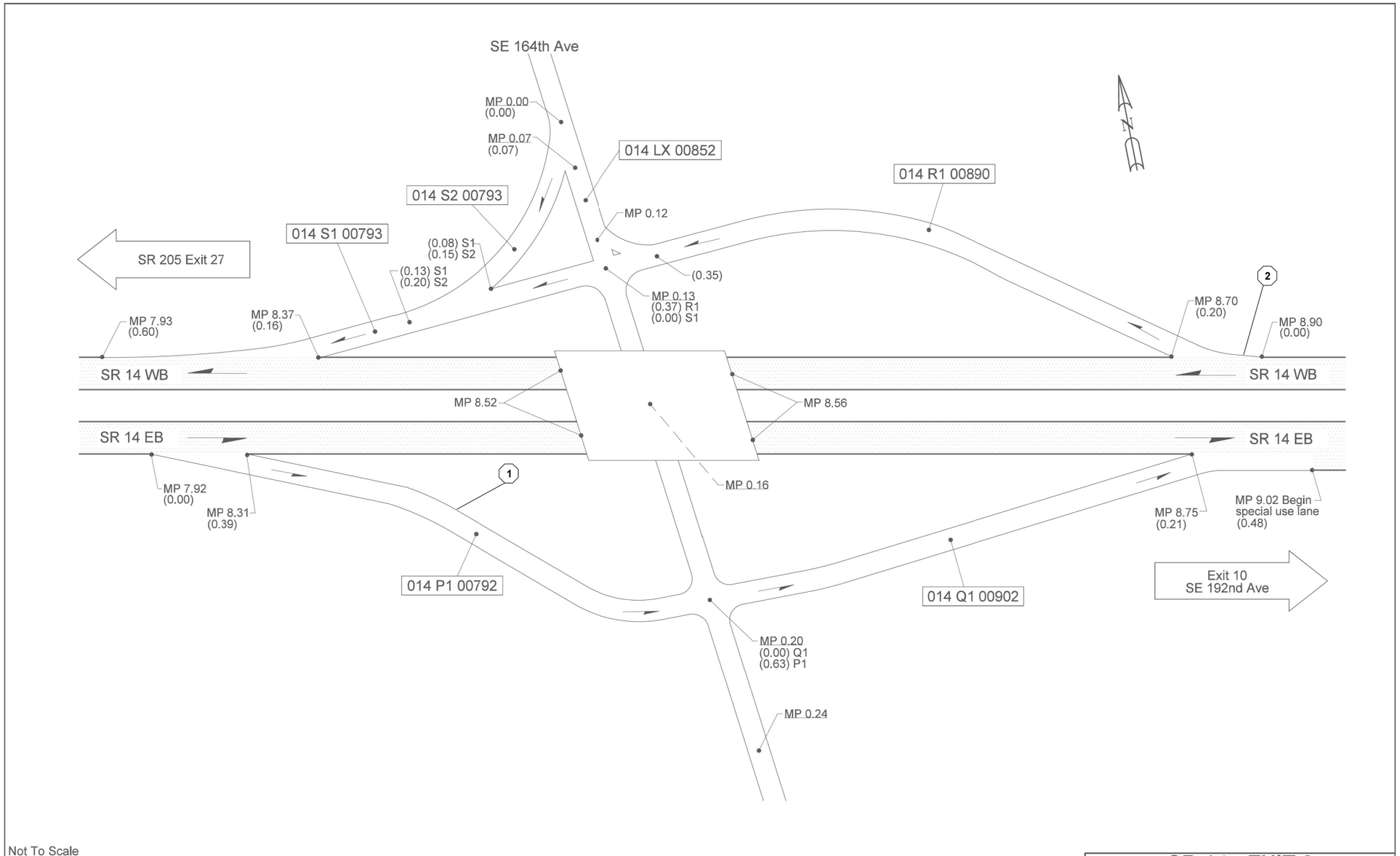
BCT LOCATION

11/02/2015	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION LIESER RD	SR 14 - EXIT 4

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)		Washington State Department of Transportation	SWR BREAKAWAY CABLE TERMINAL REPLACEMENT FREEWAYS 21-23	Plot 24
TIME	6:53:46 PM										PLAN REF NO IM14
DATE	12/5/2022										
PLOTTED BY	Sellarb										
DESIGNED BY	B.SELLARDS				JOB NUMBER 21X328						SHEET 22 OF 40 SHEETS
ENTERED BY	B. SELLARDS										
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387			INTERCHANGE MAP	
PROJ. ENGR.	M. BRIGGS										
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY							

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX



Not To Scale

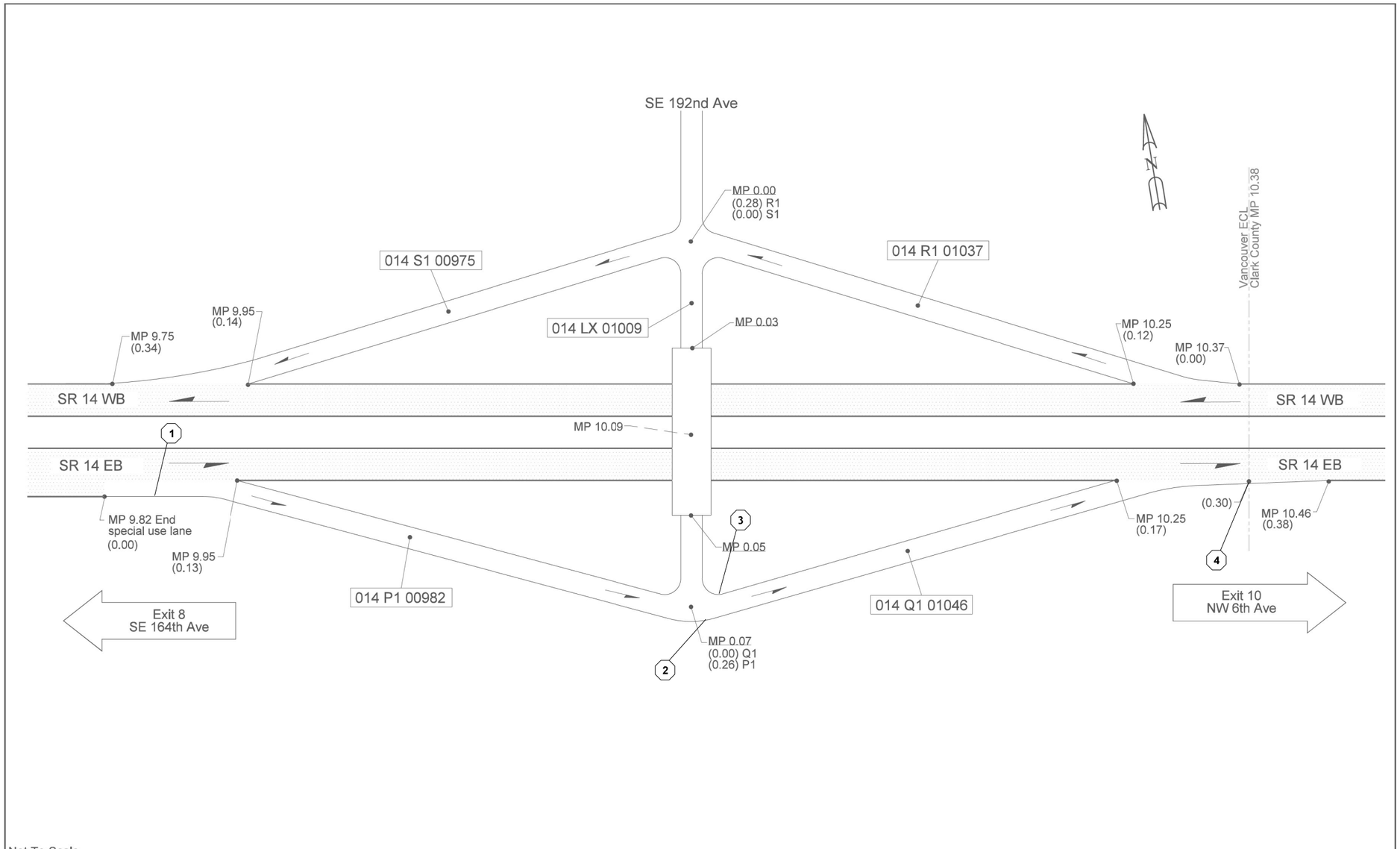
11/02/2015	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION SE 164TH AVE	SR 14 - EXIT 8

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)			SWR BREAKAWAY CABLE TERMINAL REPLACEMENT FREEWAYS 21-23	Plot 26
TIME	6:55:38 PM										PLAN REF NO IM15
DATE	12/5/2022										
PLOTTED BY	Sellarb				JOB NUMBER 21X328						SHEET 23 OF 40 SHEETS
DESIGNED BY	B. SELLARDS										
ENTERED BY	B. SELLARDS										
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387			INTERCHANGE MAP	
PROJ. ENGR.	M. BRIGGS										
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY				SEE SHEET CT1 DATE P.E. STAMP BOX	DATE P.E. STAMP BOX		

Washington State Department of Transportation



Not To Scale

11/02/2015	MEM	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION SE 192ND AVE	SR 14 - EXIT 10

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn			
TIME	6:55:21 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B. SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

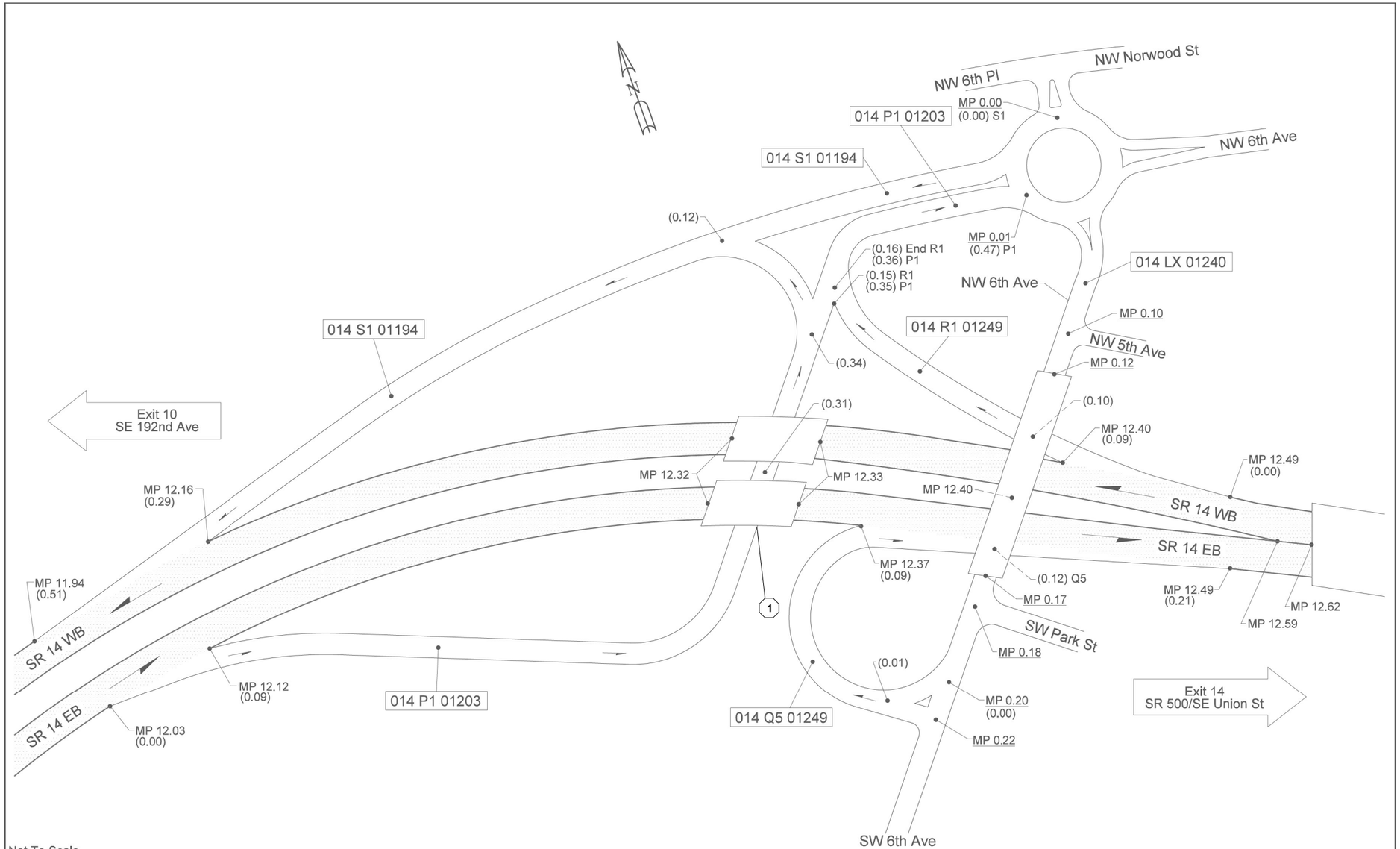
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 27
PLAN REF NO
IM16
SHEET 24 OF 40 SHEETS



09/18/2017	KLK	WSDOT SOUTHWEST REGION	CAMAS, CLARK COUNTY	JUNCTION NW 6TH AVE/SW 6TH AVE	SR 14 - EXIT 12

LEGEND

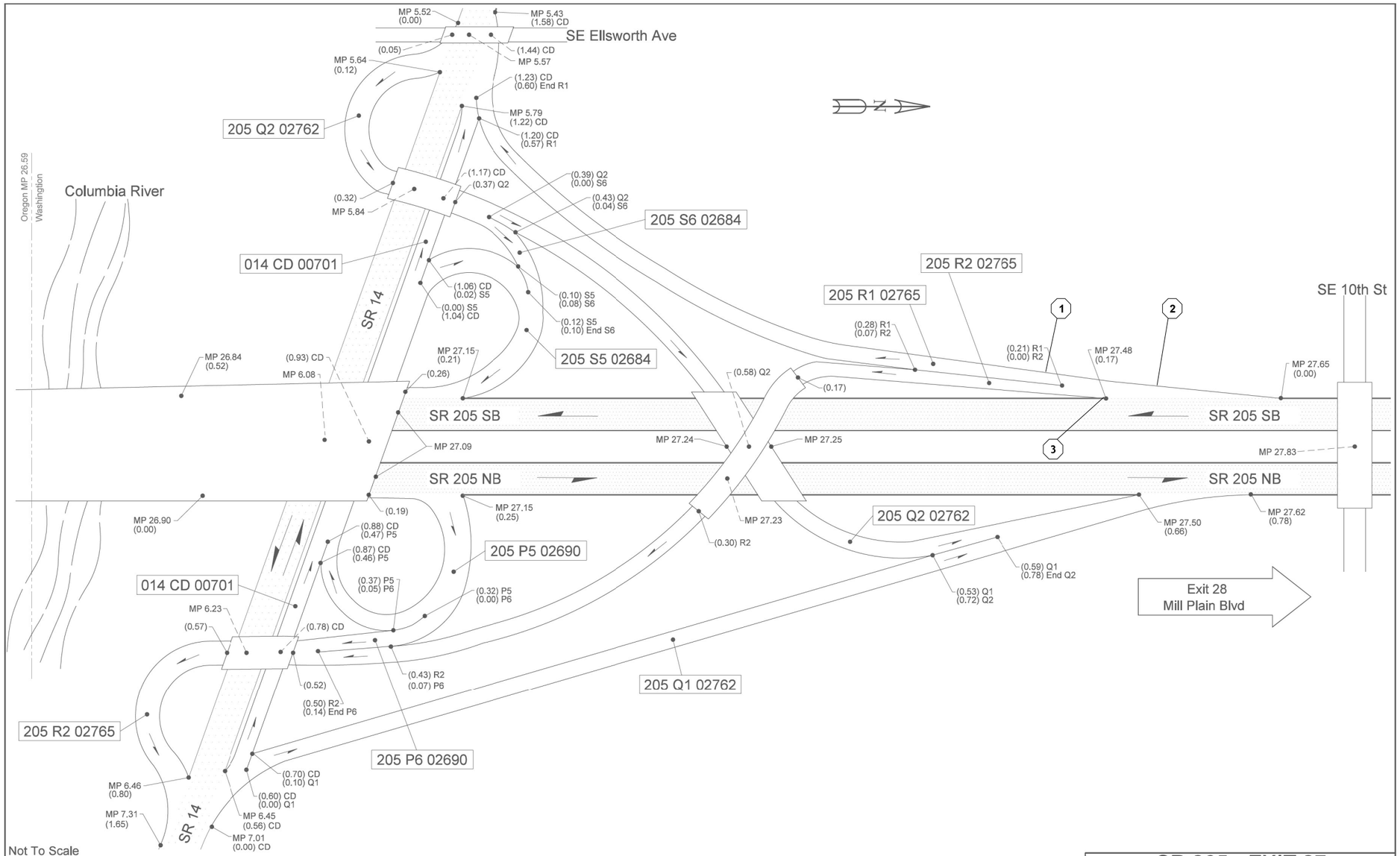
⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn								Plot 28
TIME	6:56:50 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)	Washington State Department of Transportation	SWR BREAKAWAY CABLE TERMINAL REPLACEMENT FREEWAYS 21-23	PLAN REF NO IM17
DATE	12/5/2022									
PLOTTED BY	Sellarb				JOB NUMBER 21X328					SHEET 25 OF 40 SHEETS
DESIGNED BY	B. SELLARDS									
ENTERED BY	B. SELLARDS									
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		INTERCHANGE MAP	
PROJ. ENGR.	M. BRIGGS									
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY						

STATE OF WASHINGTON MICHAEL ROBERT VEALON BRIGGS 55548 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE P.E. STAMP BOX

DATE P.E. STAMP BOX



03/19/2014	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION SR 14	SR 205 - EXIT 27

LEGEND

BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn			
TIME	6:57:07 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B. SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER		
21X328		
CONTRACT NO.		LOCATION NO.
		XL6387

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

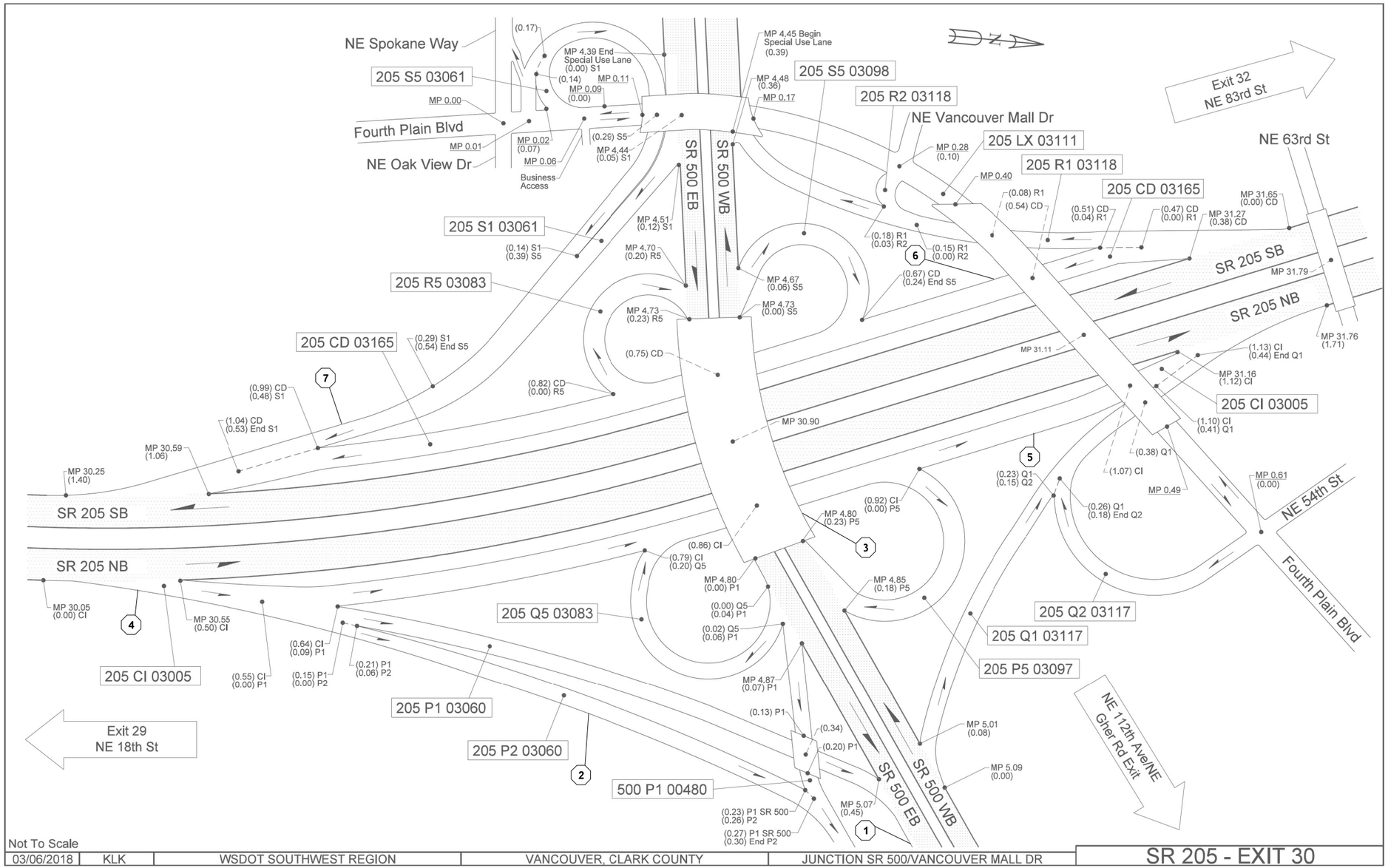
SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 29

PLAN REF NO IM18

SHEET 26 OF 40 SHEETS



03/06/2018	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION SR 500/VANCOUVER MALL DR	SR 205 - EXIT 30

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn			
TIME	7:44:06 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B. SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

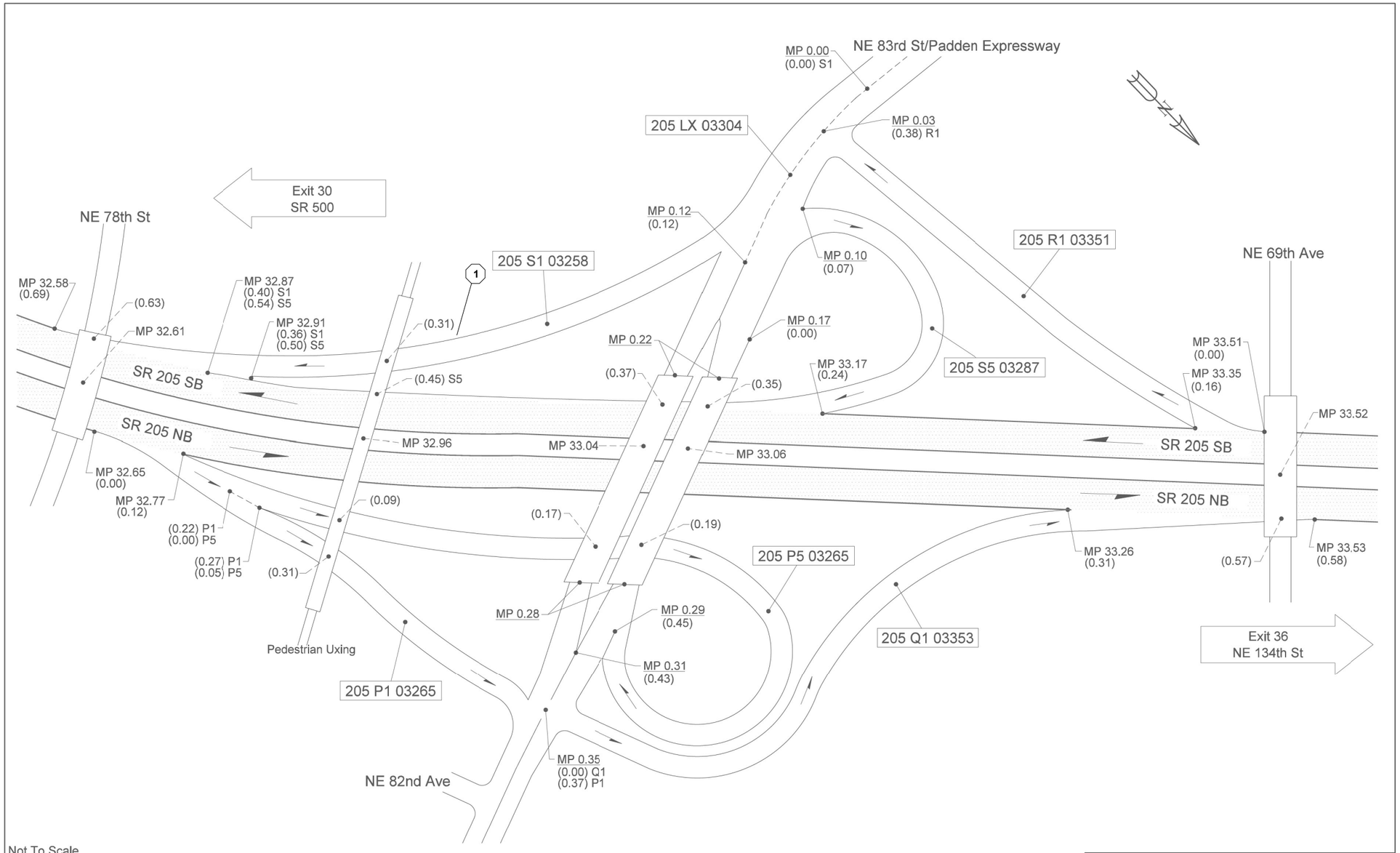
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 30
PLAN REF NO IM19
SHEET 27 OF 40 SHEETS



Not To Scale

10/05/2017	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION NE 83RD ST	SR 205 - EXIT 32

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)		Plot 31
TIME	7:13:06 PM								PLAN REF NO IM20
DATE	12/5/2022								
PLOTTED BY	Sellarb								
DESIGNED BY	B. SELLARDS				JOB NUMBER 21X328				SHEET 28 OF 40 SHEETS
ENTERED BY	B. SELLARDS								
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		
PROJ. ENGR.	M. BRIGGS								
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY					

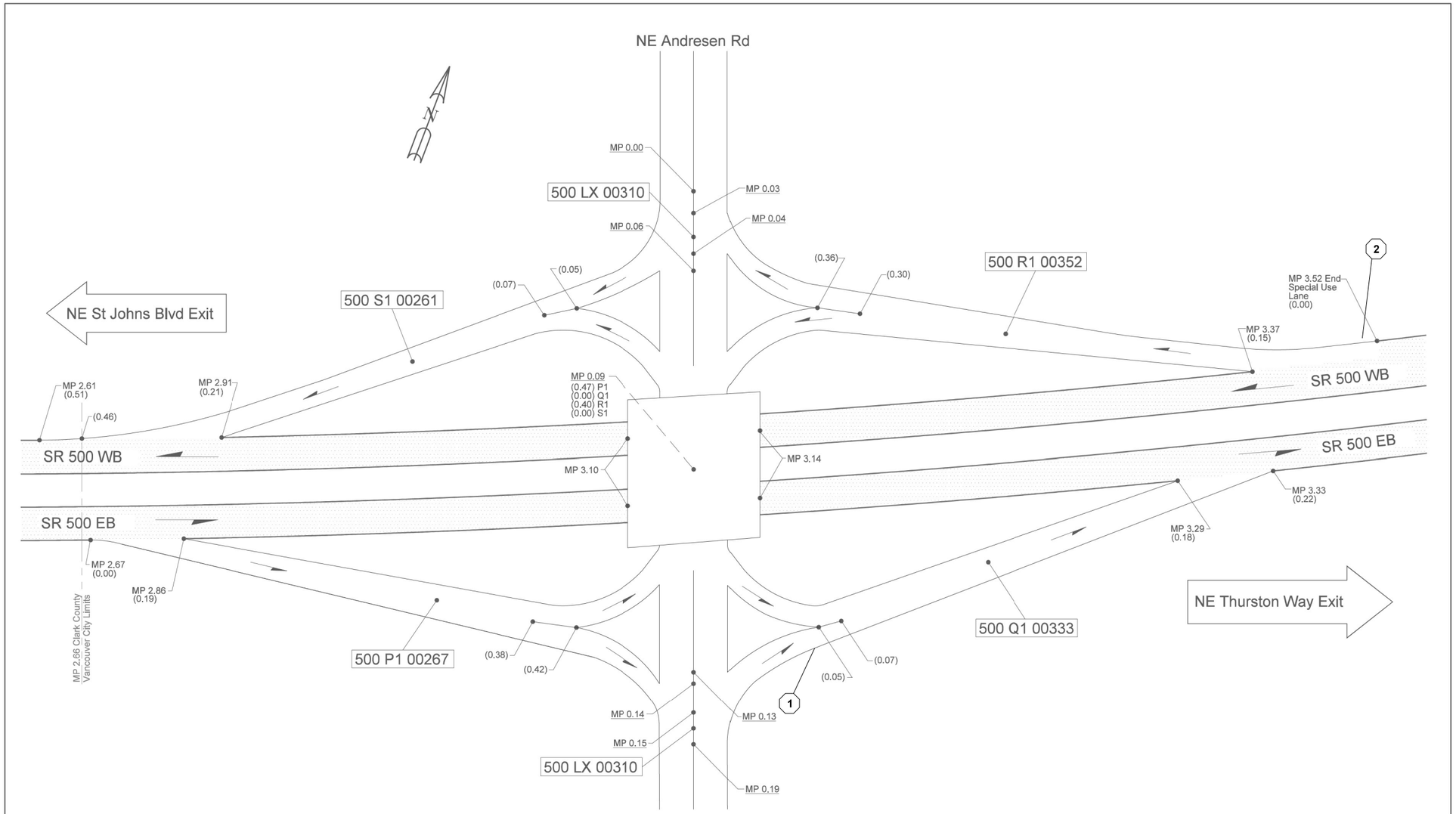
SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP



Not To Scale

09/21/2017	KWP	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION NE ANDRESEN RD	SR 500

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)		Plot 32
TIME	6:58:25 PM								PLAN REF NO IM21
DATE	12/5/2022								
PLOTTED BY	Sellarb				JOB NUMBER 21X328				
DESIGNED BY	B. SELLARDS								SHEET 29 OF 40 SHEETS
ENTERED BY	B. SELLARDS								
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387		
PROJ. ENGR.	M. BRIGGS								
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY					

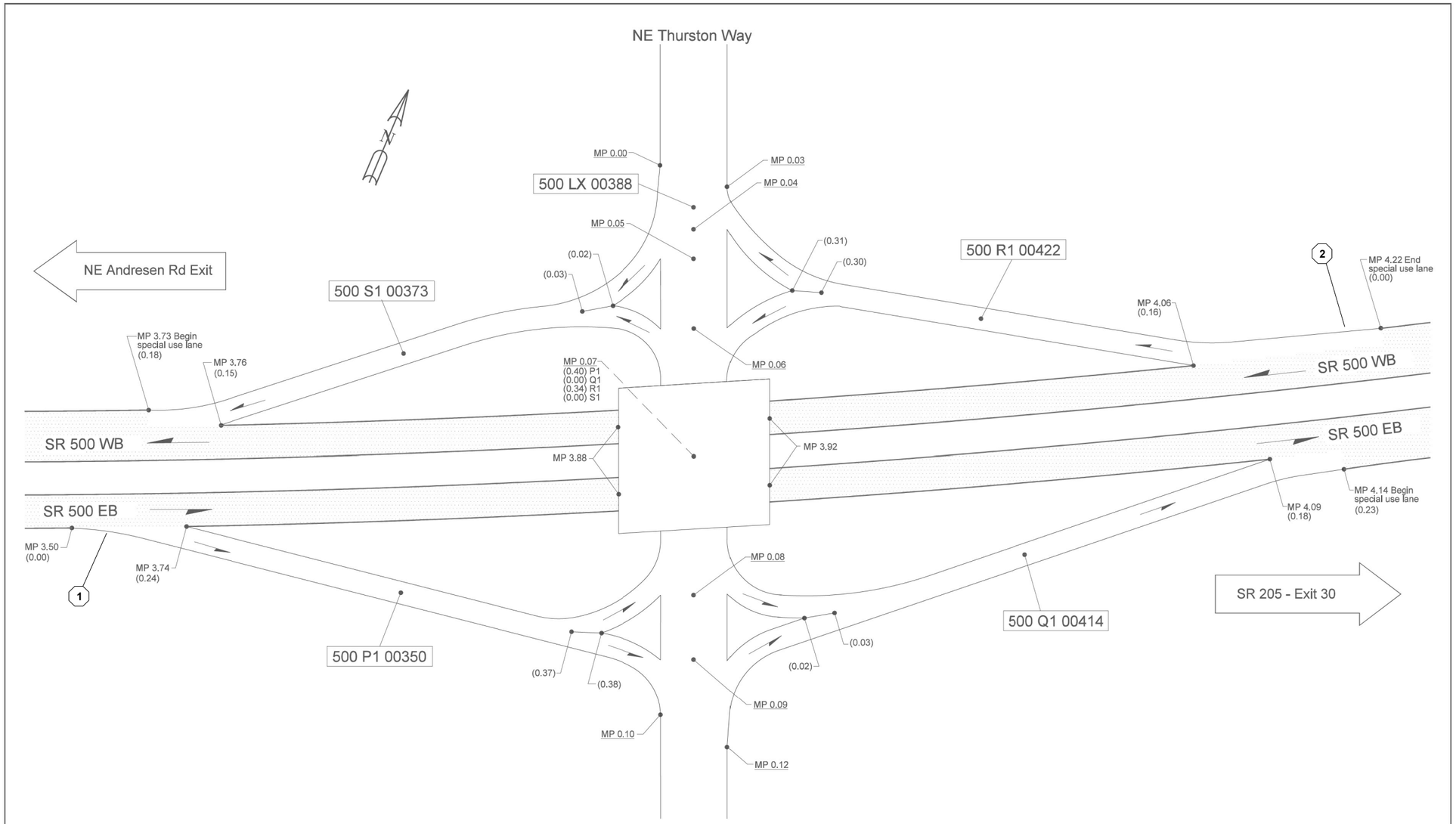
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP



Not To Scale

09/21/2017	KWP	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION NE THURSTON WAY	SR 500

LEGEND

⬡ BCT LOCATION

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				
TIME	6:58:46 PM				
DATE	12/5/2022				
PLOTTED BY	Sellarb				
DESIGNED BY	B. SELLARDS				
ENTERED BY	B. SELLARDS				
CHECKED BY	M. DEGENHART				
PROJ. ENGR.	M. BRIGGS				
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

SEE SHEET CT1
DATE
P.E. STAMP BOX

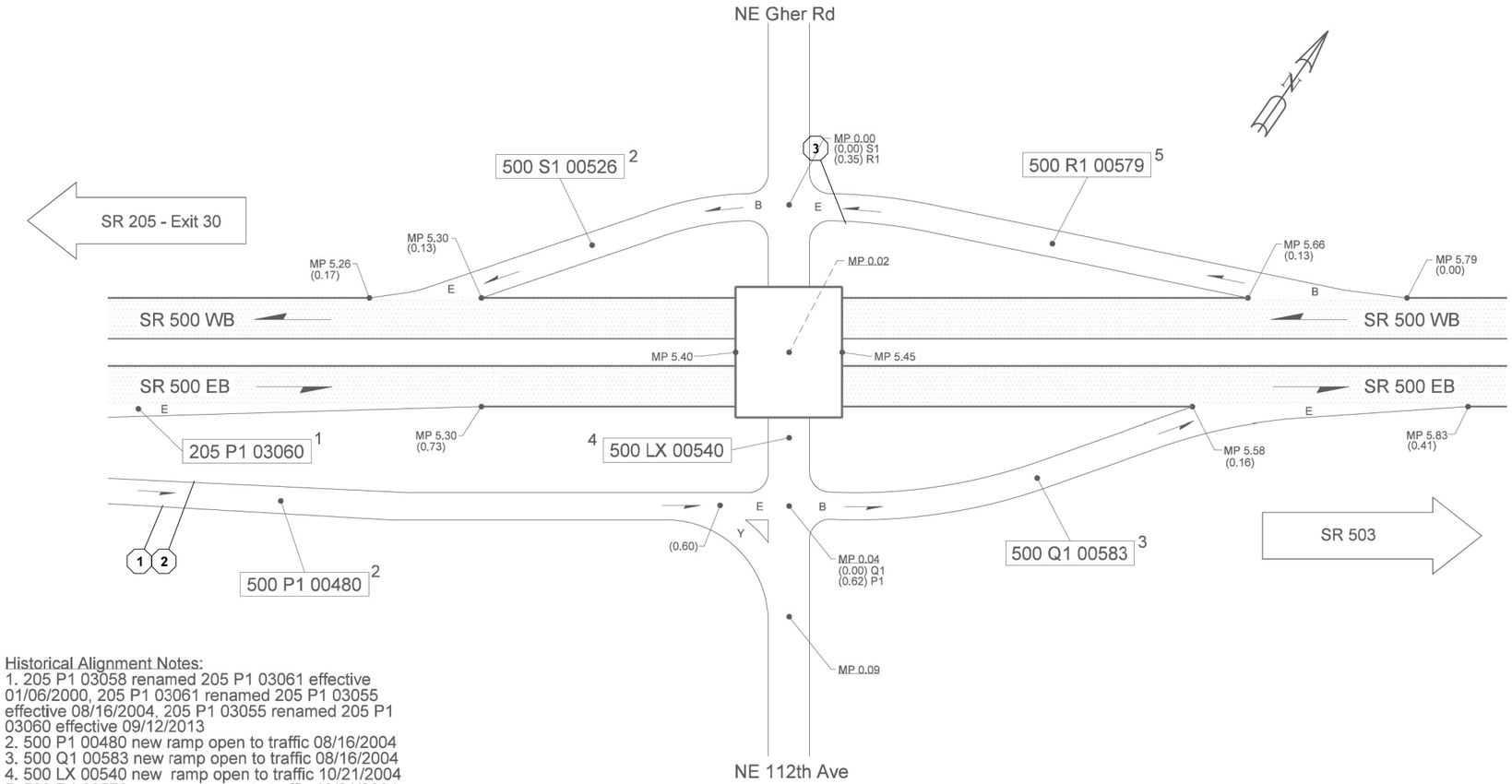
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 33
PLAN REF NO
IM22
SHEET 30 OF 40 SHEETS



Historical Alignment Notes:
1. 205 P1 03058 renamed 205 P1 03061 effective 01/06/2000, 205 P1 03061 renamed 205 P1 03055 effective 08/16/2004, 205 P1 03055 renamed 205 P1 03060 effective 09/12/2013
2. 500 P1 00480 new ramp open to traffic 08/16/2004
3. 500 Q1 00583 new ramp open to traffic 08/16/2004
4. 500 LX 00540 new ramp open to traffic 10/21/2004
5. 500 R1 00579 new ramp open to traffic 10/21/2004
6. 500 S1 00526 new ramp open to traffic 10/21/2004

LEGEND

BCT LOCATION

Not To Scale

01/11/2017	KLK	WSDOT SOUTHWEST REGION	VANCOUVER, CLARK COUNTY	JUNCTION NE 112TH AVE/NE GHER RD	SR 500

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_VM_3_2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)	Washington State Department of Transportation
TIME	6:59:05 PM							
DATE	12/5/2022							
PLOTTED BY	Sellarb							
DESIGNED BY	B. SELLARDS				JOB NUMBER 21X328			
ENTERED BY	B. SELLARDS							
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387	
PROJ. ENGR.	M. BRIGGS							
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY				

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

INTERCHANGE MAP

Plot 34
PLAN REF NO
IM23
SHEET 31 OF 40 SHEETS

SEE STANDARD PLAN I-30.60 FOR COIR LOG PLACEMENT

ROUTE	BCT - LOCATION	QUANTITY
SR 432	INTERSECTION OF S KELSO DRIVE RD & OLD HIGHWAY S ROAD	120 LF
SR 432	SR 432 EB OFF- RAMP LX 03697 MP 0.24 RT TO OLD PACIFIC HIGHWAY S	120 LF
SR 14	SR14 WB MAIN LINE MP 4.79 RT	120 LF
SR 500	SR 500 WB MAIN LINE MP 5.79 RT	120 LF

SEE STANDARD PLAN I-40.20 FOR STORM DRAIN INLET PROTECTION

ROUTE	BCT - LOCATION	QUANTITY
I-5	I-5 NB OFF- RAMP ID P1 06809 MP 0.19 LT TO US12	1 EACH
I-5	I-5 NB OFF RAMP ID P1 07765 MP 0.18 RT TO SR 6	1 EACH
SR 432	SR 432 EB OFF- RAMP ID LX 03697 MP 0.11 LT ES ROUNDABOUT	1 EACH
SR 502	SR 502 ON-RAMP TO I-5 SB RAMP ID S5 01125 MP 0.32 RT	1 EACH
SR 502	SR 502 EB MAIN LINE MP 0.25 RT	1 EACH
SR 502	SR 502 WB MAIN LINE MP 0.16 RT	1 EACH

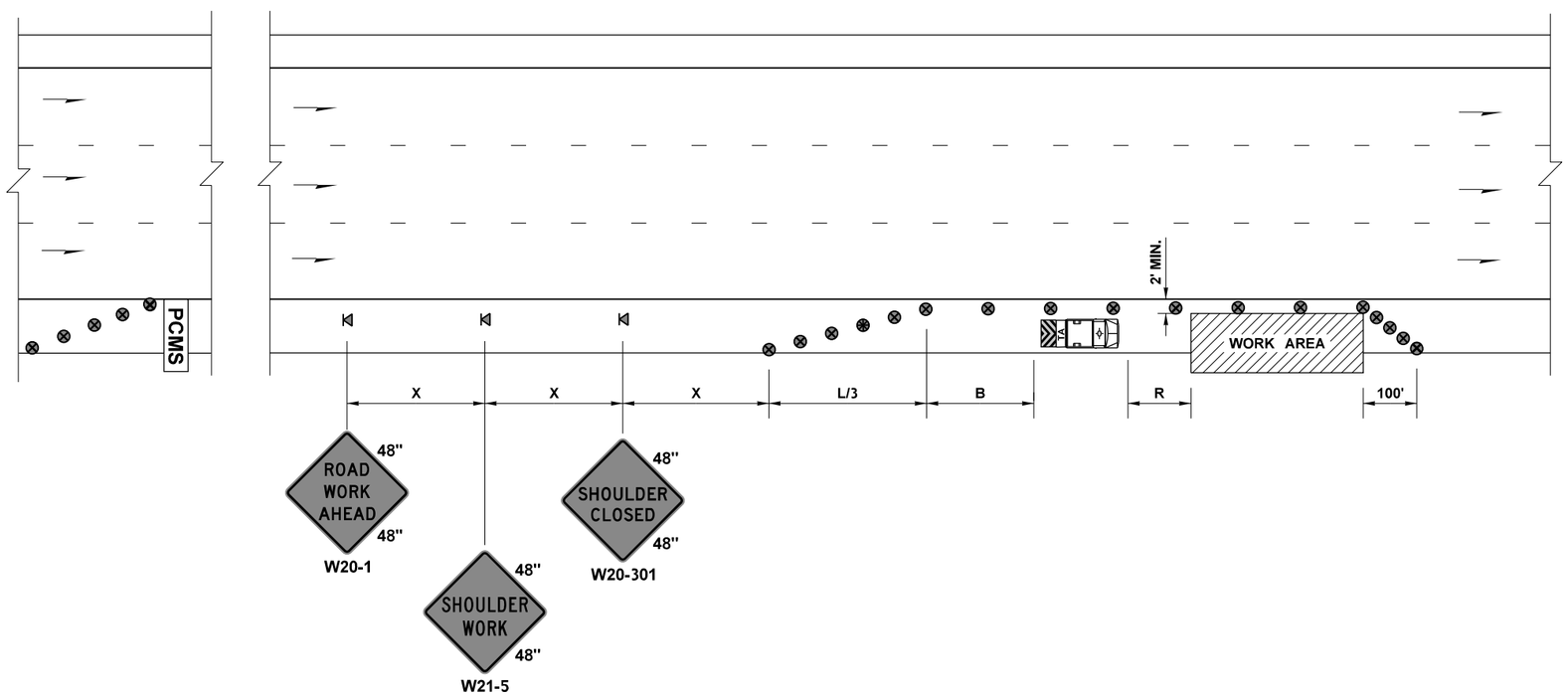
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
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.		

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

NOTES

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.
4. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)

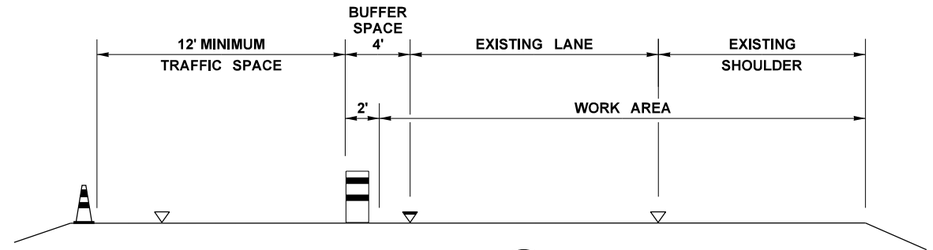
1500' ±	55 / 70 MPH	FREEWAYS & EXPRESSWAYS
800' ±	60 / 65 MPH	RURAL HIGHWAYS
500' ±	45 / 55 MPH	RURAL ROADS
350' ±	35 / 40 MPH	RURAL ROADS & URBAN ARTERIALS
200' ± (2)	25 / 30 MPH	RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS
100' ± (2)	25 MPH OR LESS	URBAN STREETS

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



TYPICAL SECTION (A)

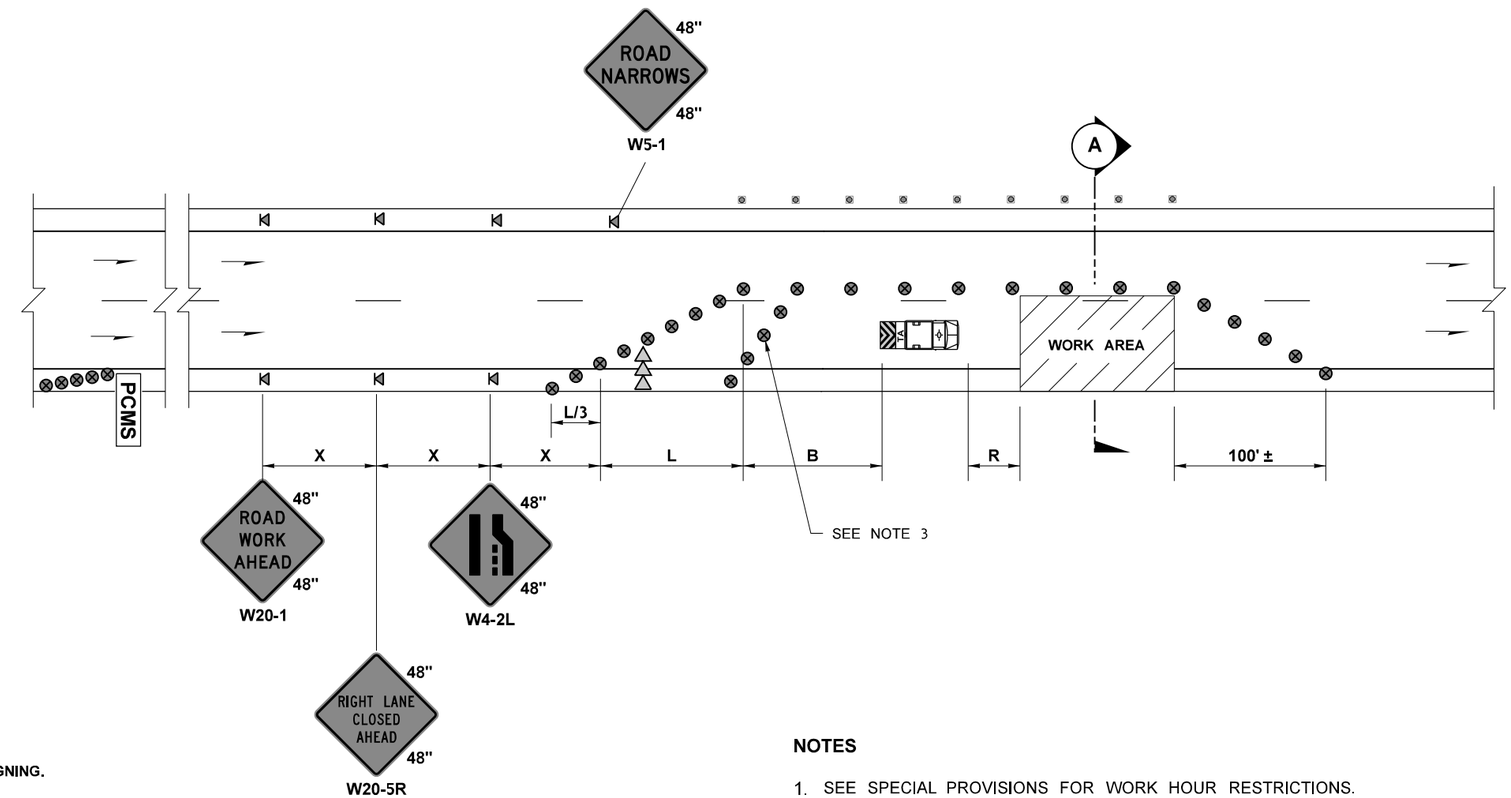
BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SINGLE-LANE CLOSURE WITH SHIFT

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' 35/64 (RECOMMENDED).
4. ALL SIGNS ARE BLACK ON ORANGE.
5. RECOMMEND ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
6. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

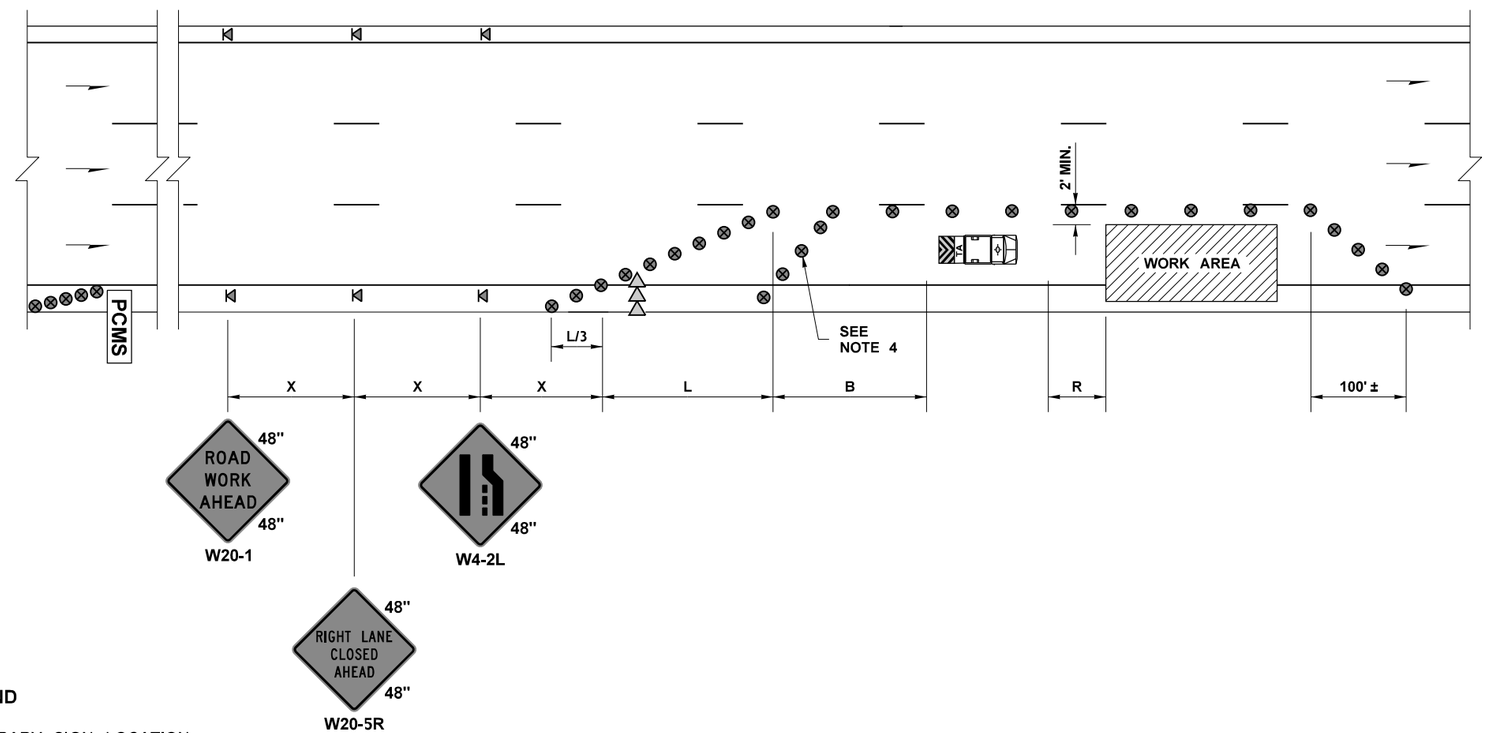
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
6. ALL SIGNS ARE BLACK ON ORANGE.
7. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)

LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

PCMS	
1	2
2 LANES CLOSED AHEAD	WATCH FOR SLOW TRAFFIC
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

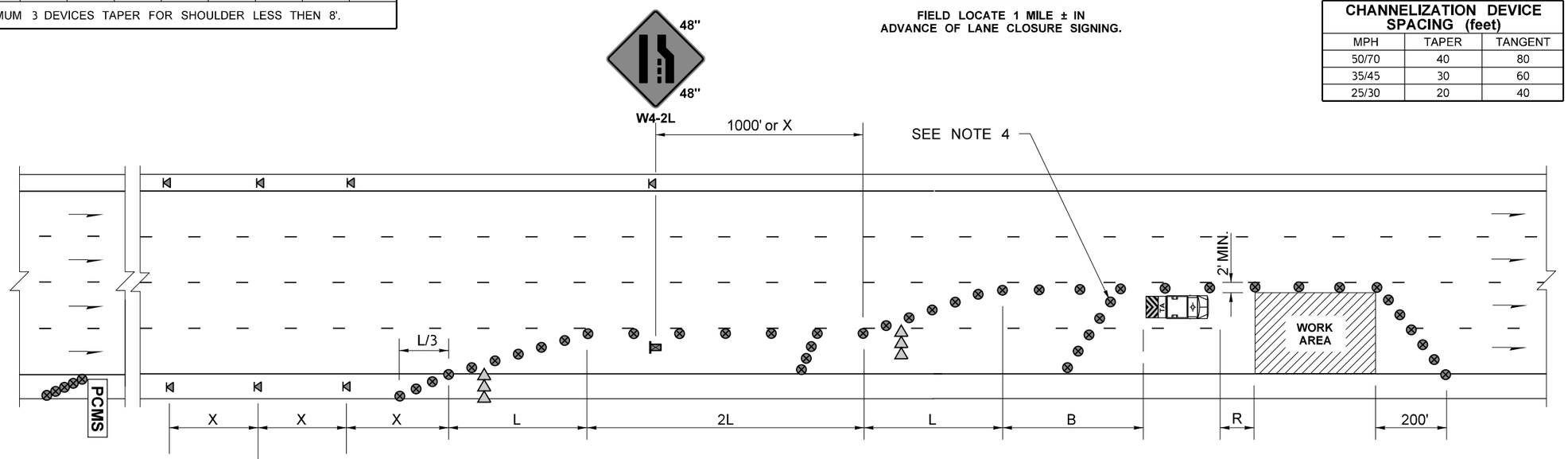
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

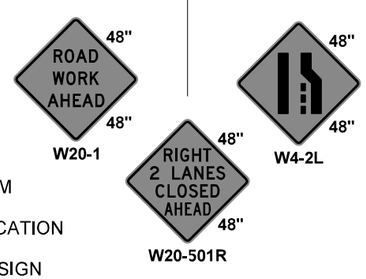
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40





LEGEND

- TRAFFIC SAFETY DRUM
- TEMPORARY SIGN LOCATION
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TEMPORARY SIGN LOCATION (7' (FT) MOUNTING HEIGHT)

DOUBLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
6. ALL SIGNS ARE BLACK ON ORANGE.
7. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	450	500	550	-	-	-
11	-	-	-	-	495	550	605	660	-	-
12	-	-	-	-	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
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.

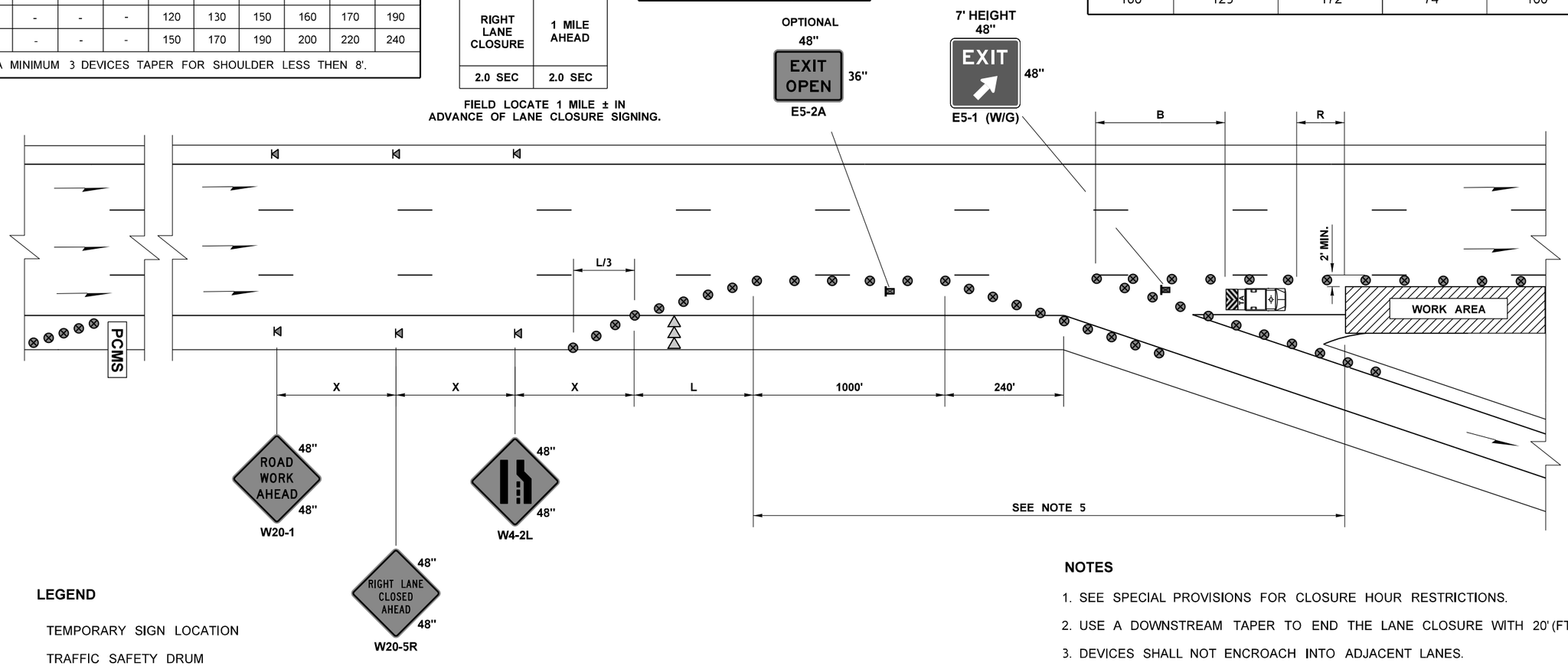
PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TEMPORARY SIGN LOCATION (7' MOUNTING HEIGHT)

TEMPORARY OFF-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. USE A DOWNSTREAM TAPER TO END THE LANE CLOSURE WITH 20' (FT) DEVICE SPACING.
3. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
4. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000' (FT) 35/64 (RECOMMENDED).
5. SEE SHEET TC6 FOR A SHORT TERM OFF-RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
7. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

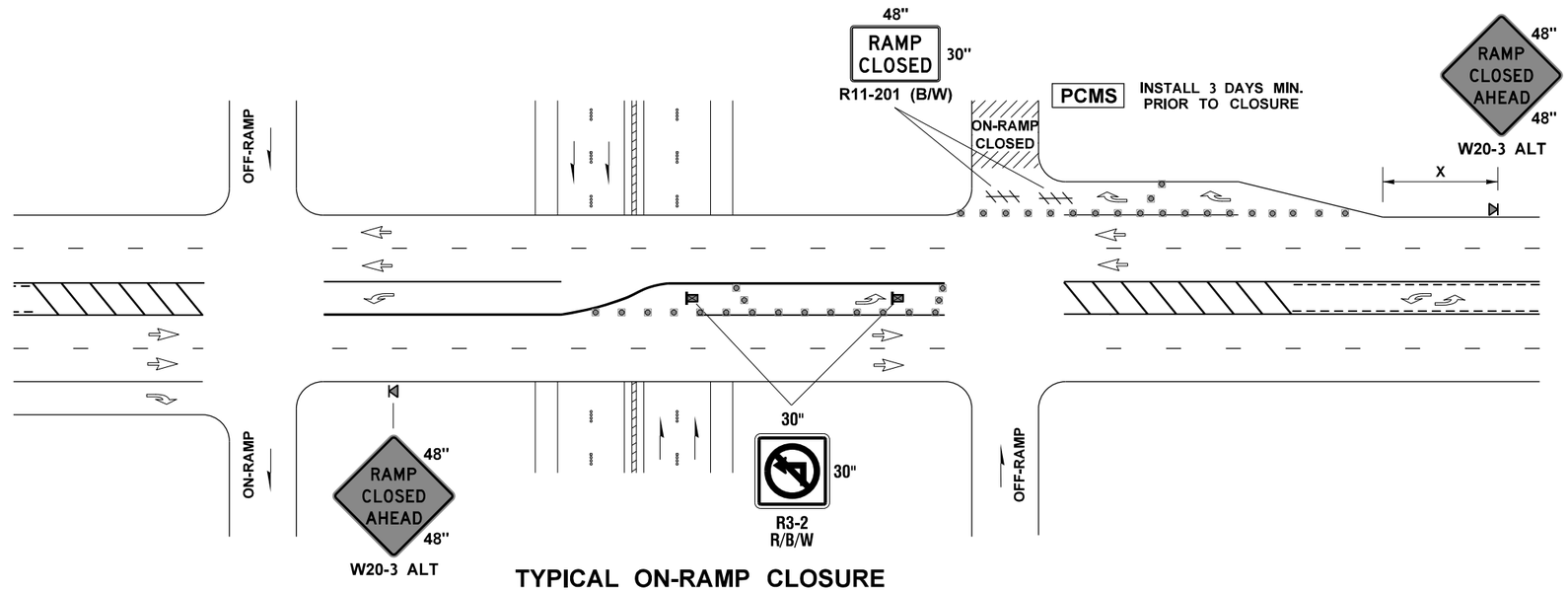
SIGN SPACING = X (1)

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

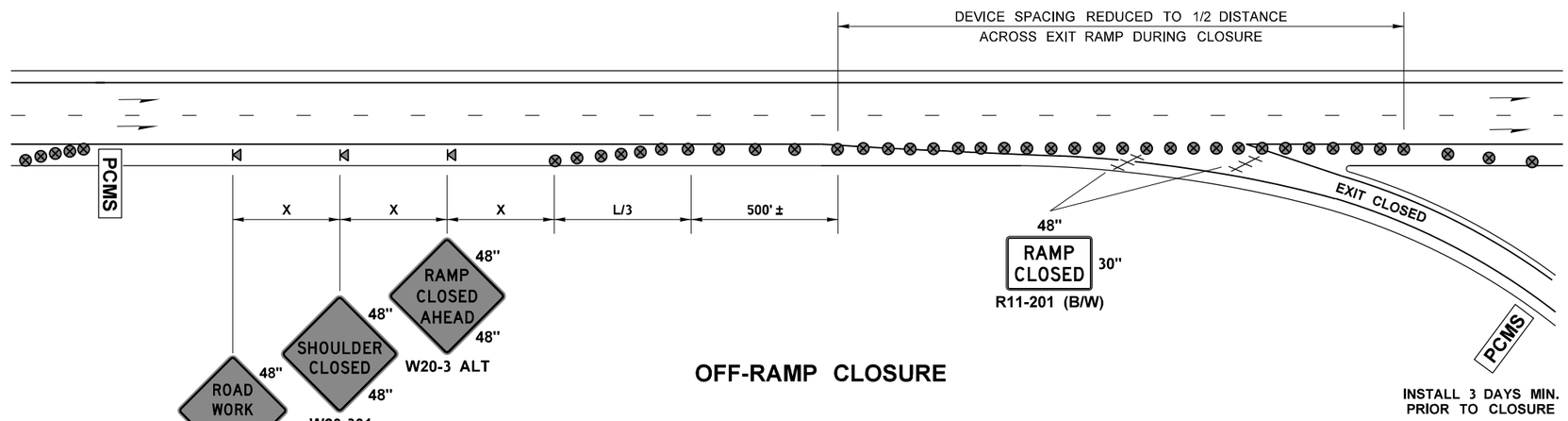
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



TYPICAL ON-RAMP CLOSURE



OFF-RAMP CLOSURE

PCMS	
1	2
EXIT XXX CLOSED	USE ALT ROUTE
2.0 SEC	2.0 SEC

FIELD LOCATE

LEGEND

- TYPE 3 BARRICADE
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TEMPORARY SIGN LOCATION (7' MOUNTING HEIGHT)

NOTES

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. TYPICAL APPLICATION SHOWN. ADJUST FOR SITE CONDITIONS.
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
4. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.
5. FOR A RAMP CLOSURE ALL PCMS'S WILL BE PLACED 3 DAYS IN ADVANCE TO NOTIFY THE TRAVELING PUBLIC

SHORT TERM RAMP CLOSURES

NOT TO SCALE

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_TCP_2.dgn
TIME	5:15:56 PM
DATE	12/5/2022
PLOTTED BY	Sellarb
DESIGNED BY	B. SELLARDS
ENTERED BY	B. SELLARDS
CHECKED BY	M. DEGENHART
PROJ. ENGR.	M. BRIGGS
REGIONAL ADM.	C. FRANCIS

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. SEC 164-9999(866)

JOB NUMBER 21X328

CONTRACT NO.

LOCATION NO. XL6387

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

TRAFFIC CONTROL PLAN

Plot 16

PLAN REF NO TC6

SHEET 38 OF 40 SHEETS

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	-	-	-	-	450	500	550	-	-	-
11	-	-	-	-	495	550	605	660	-	-
12	-	-	-	-	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

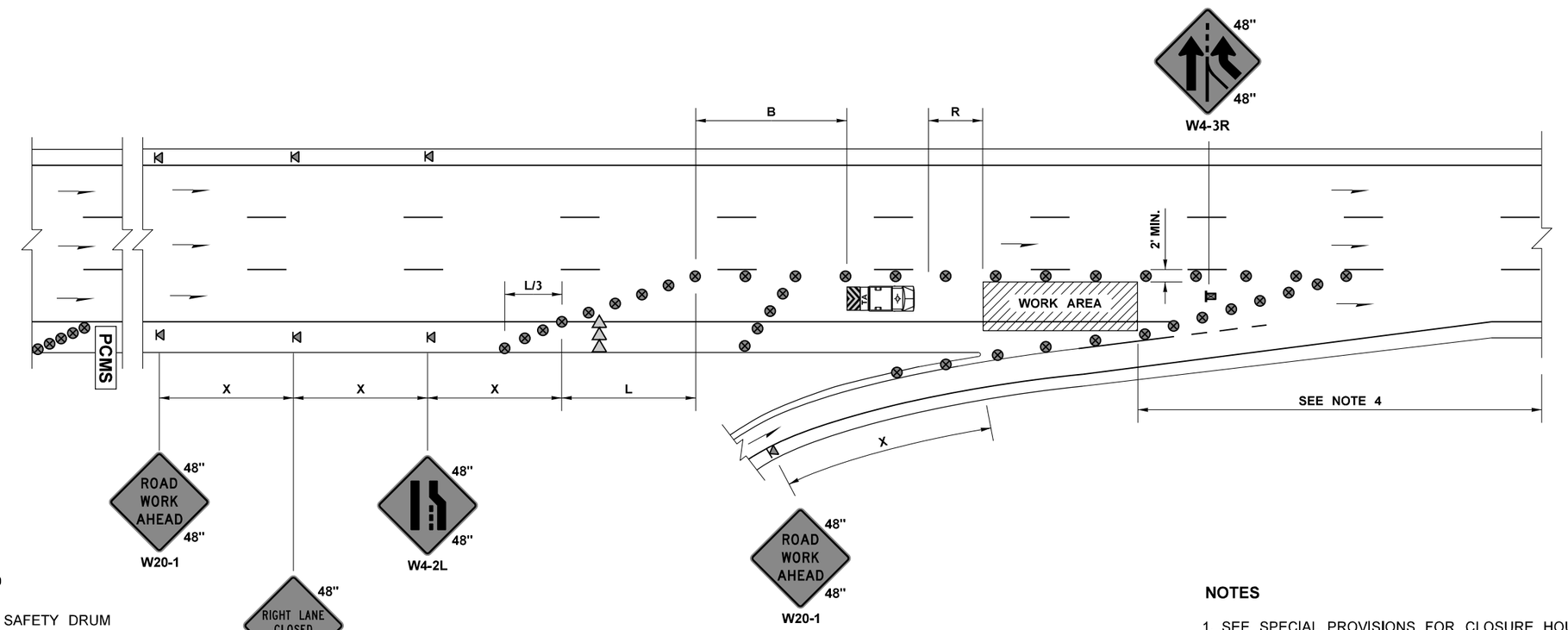
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE ± IN ADVANCE OF LANE CLOSURE SIGNING.

LEGEND

- TRAFFIC SAFETY DRUM
- TEMPORARY SIGN LOCATION
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TEMPORARY SIGN LOCATION (7' (FT) MOUNTING HEIGHT)

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000' 35/64 (RECOMMENDED).
4. ALL SIGNS ARE BLACK ON ORANGE.
5. THE CONTRACTOR SHALL ESCORT BICYCLISTS THROUGH THE WORK ZONE DURING THE COURSE OF CONSTRUCTION.

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_TCP_2.dgn			
TIME	5:16:13 PM			
DATE	12/5/2022			
PLOTTED BY	Sellarb			
DESIGNED BY	B. SELLARDS			
ENTERED BY	B. SELLARDS			
CHECKED BY	M. DEGENHART			
PROJ. ENGR.	M. BRIGGS			
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	SEC 164-9999(866)
JOB NUMBER 21X328		
CONTRACT NO.		LOCATION NO. XL6387

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

TRAFFIC CONTROL PLAN

Plot 17

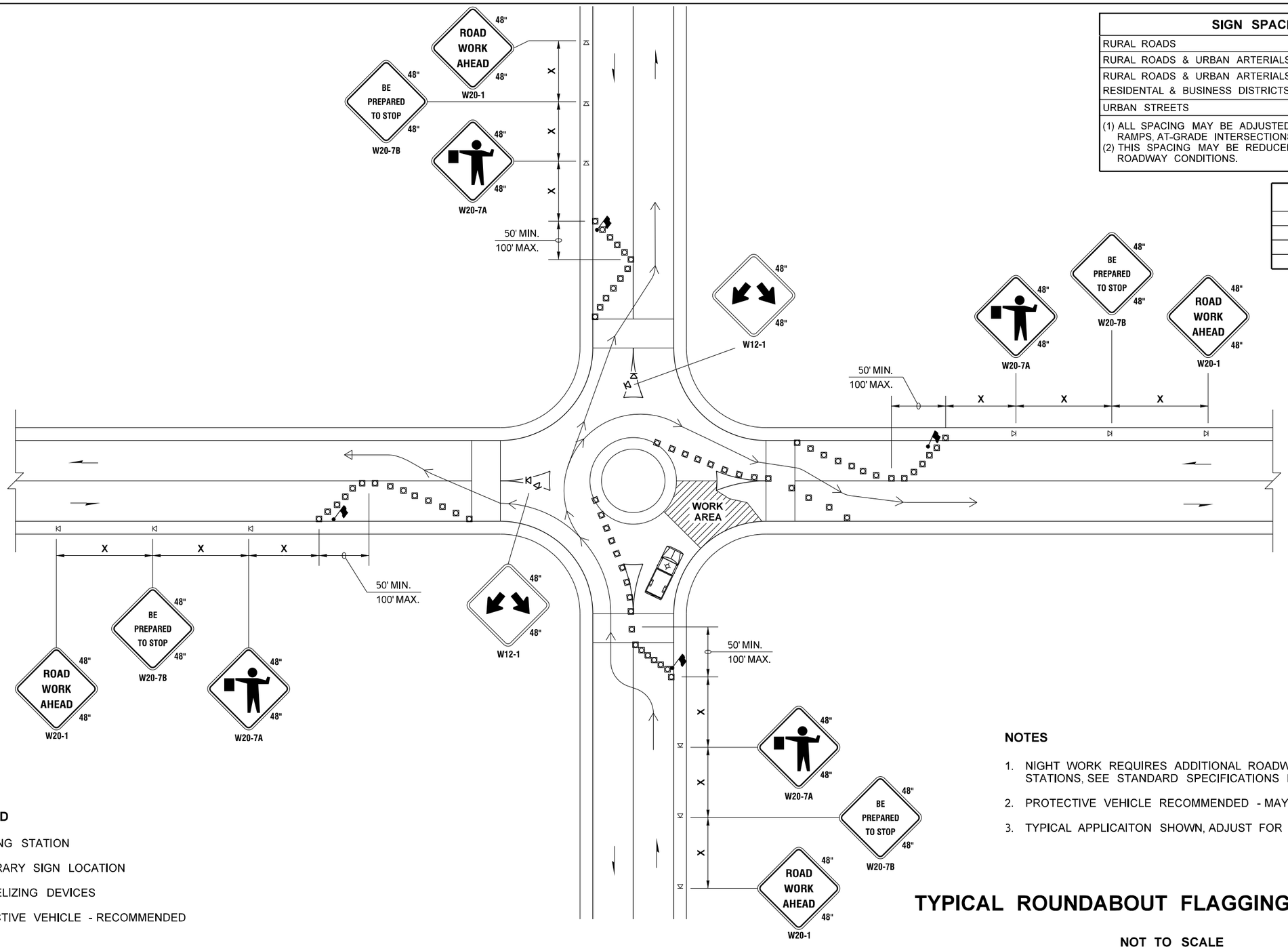
PLAN REF NO TC7

SHEET 39 OF 40 SHEETS

SIGN SPACING = X (1)		
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/55	40	80
35/45	30	60
25/30	20	40



LEGEND

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE - RECOMMENDED

NOTES

1. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS, SEE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. PROTECTIVE VEHICLE RECOMMENDED - MAY BE A WORK VEHICLE.
3. TYPICAL APPLICAITON SHOWN, ADJUST FOR SITE CONDITIONS.

TYPICAL ROUNDABOUT FLAGGING OPERATION

NOT TO SCALE

FILE NAME	G:\444302\03 - Design\XL6387 21-23 Breakaway Cable Terminal Replacement - Interstate\20-CADD-Plans\20-11 PS&E Sheets\D00021T_PS_TCP_2.dgn						
TIME	5:16:28 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO. SEC 164-9999(866)
DATE	12/5/2022						
PLOTTED BY	Sellarb				JOB NUMBER 21X328		
DESIGNED BY	B. SELLARDS						
ENTERED BY	B. SELLARDS						
CHECKED BY	M. DEGENHART				CONTRACT NO.		LOCATION NO. XL6387
PROJ. ENGR.	M. BRIGGS						
REGIONAL ADM.	C. FRANCIS	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SWR
BREAKAWAY CABLE TERMINAL REPLACEMENT
FREEWAYS 21-23

TRAFFIC CONTROL PLAN

Plot 1

PLAN REF NO TC8

SHEET 40 OF 40 SHEETS