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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.

TIME	1:54:44 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

INDEX

PLAN REF NO IN1

SHEET 1 OF 62 SHEETS

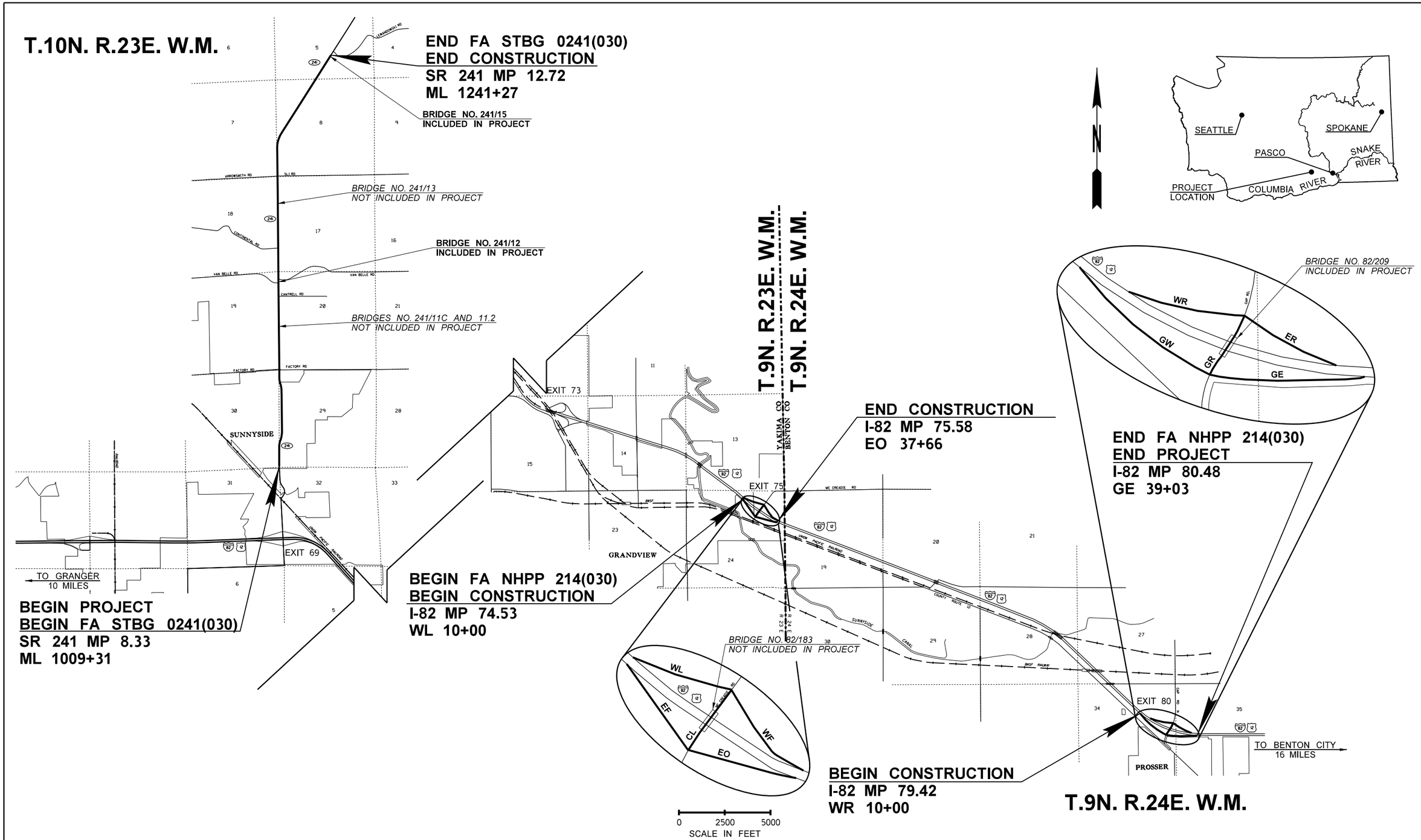
PROJECT LICENSED PROFESSIONAL CERTIFICATES

Alejandro Sanguino Apr 12, 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.	Bijan Khaleghi Bijan Khaleghi Apr 12, 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.	Michael Rosa Apr 12, 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.

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.



TIME	1:53:57 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022						
PLOTTED BY	WolfPa				JOB NUMBER 22Y003		
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

VICINITY MAP

PLAN REF NO VM1

SHEET 3 OF 62 SHEETS

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 SR 241 L LINE MP 8.33 TO MP 9.30	GROUP 2 SR 241 L LINE MP 9.30 TO MP 12.72	GROUP 3 I-82 / GAP RD WR LINE	GROUP 3 I-82 / GAP RD GW LINE	GROUP 3 I-82 / GAP RD GR LINE	GROUP 3 I-82 / GAP RD ER LINE	GROUP 3 I-82 / GAP RD GE LINE	GROUP 4 I-82 /CO.LINE WL 10+00 TO WL 29+12	GROUP 4 I-82 /CO.LINE EF 10+00 TO EF 23+35	GROUP 5 I-82 /CO.LINE WL 29+12 TO WL 36+39	GROUP 5 I-82 /CO.LINE EF 23+35 TO EF 27+81	GROUP 5 I-82 /CO.LINE CL LINE	GROUP 5 I-82 /CO.LINE WF LINE	GROUP 5 I-82 /CO.LINE EO 10+67 TO EO 27+00	GROUP 6 I-82 /CO.LINE EO 27+00 TO EO 37+66	GROUP 7 THIRD PARTY DAMAGES
						PREPARATION																
1	LUMP SUM	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.	
						STRUCTURE																
2	130.00		130.00	4006	C.Y.	STRUCTURE EXCAVATION CLASS A INCL. HAUL					130.00											
3	-1.00		-1.00	4219	DOL	DEFICIENT STRENGTH CONC. PRICE ADJUSTMENT					-1.00											
4	130.00		130.00	4338	L.F.	EXPANSION JOINT SYSTEM COMPRESSION SEAL - SUPERSTR.					130.00											
5	25.00		25.00	4451	S.F.	BRIDGE DECK REPAIR BR. NO. 241/12		25.00														
6	23.00		23.00	4451	S.F.	BRIDGE DECK REPAIR BR. NO. 241/15		23.00														
7	276.00		276.00	4455	S.Y.	WATERPROOF MEMBRANE BR. NO. 241/12		276.00														
8	251.00		251.00	4455	S.Y.	WATERPROOF MEMBRANE BR. NO. 241/15		251.00														
9	306.00		306.00	5656	S.Y.	BRIDGE APPROACH SLAB					306.00											
						SURFACING																
10	8.80	2.20	6.60		MI.	SHOULDER FINISHING	2.20	6.60														
						LIQUID ASPHALT																
11	6.13	0.35	5.78	5340	TON	ASPHALT FOR FOG SEAL	0.35	1.18	0.41	0.58	0.36	0.61	0.64	0.34	0.22	0.18	0.18		0.43	0.35	0.30	
						HOT MIX ASPHALT																
12	16.03	1.94	14.09	5701	CM	CRACK SEALING-CM	1.94	6.84	1.10	0.80	0.70	1.10	0.20	0.70	0.40	0.30	0.30	0.30	0.70	0.35	0.30	
13	527.00	276.00	251.00	5708	S.Y.	REMOVING EXISTING OVERLAY FROM BRIDGE DECK	276.00	251.00														
14	50000.00	823.00	49177.00	5711	S.Y.	PLANING BITUMINOUS PAVEMENT	823.00	4,157.00	4,960.00	4,388.00	4,620.00	3,695.00	5,187.00	3,691.00	2,409.00	1,749.00	1,720.00	3,292.00	3,710.00	2,833.00	2,766.00	
15	4140.00	910.00	3230.00	5716	TON	HMA FOR PRELEVELING CL. 3/8 IN. PG	910.00	3,230.00														
16	16666.00	2320.00	14346.00	5766	TON	HMA CL. 3/8 IN. PG 64H-28	2,320.00	8,250.00	730.00	630.00	540.00	540.00	740.00	504.00	329.00	239.00	235.00	337.00	507.00	387.00	378.00	
17	54355.00	8123.00	46232.00	5830	DOL	JOB MIX COMPLIANCE PRICE ADJUSTMENT	8,123.00	28,928.00	2,081.00	1,796.00	1,539.00	1,539.00	2,109.00	1,436.00	938.00	681.00	670.00	960.00	1,445.00	1,103.00	1,007.00	
18	90708.00	13538.00	77170.00	5835	DOL	COMPACTION PRICE ADJUSTMENT	13,538.00	48,213.00	3,468.00	2,993.00	2,565.00	2,565.00	3,515.00	2,394.00	1,563.00	1,135.00	1,116.00	1,601.00	2,408.00	1,838.00	1,796.00	
19	34800.00	3325.00	31475.00	5837	DOL	ASPHALT COST PRICE ADJUSTMENT	3,325.00	9,975.00	2,260.00	2,260.00	2,260.00	2,260.00	2,260.00	1,530.00	1,530.00	1,020.00	1,020.00	1,020.00	1,020.00	1,020.00	2,040.00	
20	7655.00		7655.00	6514	L.F.	LONGITUDINAL JOINT SEAL			1,297.00	532.00		480.00	1,302.00	1,300.00	481.00		481.00		479.00		1,303.00	
21	372.00	40.00	332.00	6511	L.F.	HMA SAWCUT AND SEAL	40.00	112.00			110.00							110.00				
						EROSION CONTROL AND ROADSIDE PLANTING																
22	7.00		7.00	6471	EACH	INLET PROTECTION		3.00			2.00							2.00				
						TRAFFIC																
23	140.00		140.00	6783	L.F.	RAISING EXISTING BEAM GUARDRAIL		140.00														
24	30.00		30.00	6750	EACH	BEAM GUARDRAIL POST		30.00														
25	30.00		30.00	6755	EACH	BEAM GUARDRAIL BLOCK		30.00														
26	103070.00	16900.00	86170.00	6806	L.F.	PAINT LINE	16,900.00	50,700.00	3,890.00	3,180.00	3,660.00	3,340.00	4,260.00	2,500.00	1,680.00	1,660.00	1,650.00	2,150.00	3,150.00	2,700.00	1,650.00	
27	12.00		12.00	6830	EACH	BARRIER DELINEATOR		12.00														
28	561.00	61.00	500.00	6832	EACH	FLEXIBLE GUIDE POST	61.00	180.00	39.00	39.00		39.00	38.00	27.00	28.00	14.00	14.00		13.00	14.00	55.00	
29	16.00		16.00	6833	EACH	PLASTIC TRAFFIC ARROW				5.00	5.00	2.00					2.00		2.00			
30	332.00	30.00	302.00	6859	L.F.	PLASTIC STOP LINE	30.00	181.00			57.00							64.00				
31	9052.00		9052.00	6861	L.F.	GROOVED PLASTIC WIDE LINE			1,550.00	783.00		799.00	1,570.00	1,334.00	770.00				720.00	170.00	1,356.00	
32	32.00		32.00	6880	EACH	PAINTED DRAINAGE MARKING		5.00	4.00	6.00	8.00	1.00	2.00					6.00				
33	332.00	30.00	302.00	6842	L.F.	TEMPORARY STOP LINE - SHORT DURATION	30.00	181.00			57.00							64.00				
34	4.30	1.00	3.30	6893	MI.	CENTERLINE RUMBLE STRIP	1.00	3.30														
35	66131.00	6000.00	60131.00	6895	L.F.	TEMPORARY PAVEMENT MARKING-SHORT DURATION	6,000.00	18,000.00	4,580.00	4,580.00	4,580.00	4,580.00	4,580.00	2,885.00	2,885.00	1,923.00	1,923.00	1,923.00	1,923.00	1,923.00	3,846.00	

GROUP LEGEND

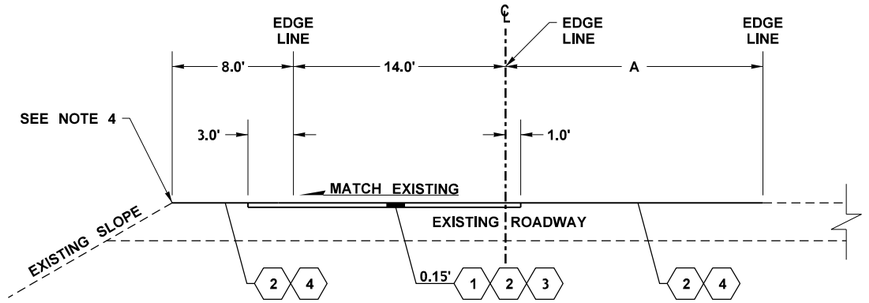
GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	241	393802	*	FEDERAL STBG,STATE
2	241	393800	**	FEDERAL STBG,STATE
3	082	030505	**	STATE,FEDERAL NHPP
4	082	391806	**	STATE,FEDERAL NHPP
5	082	391815	**	STATE,FEDERAL NHPP
6	082	030500	**	STATE,FEDERAL NHPP
7	241	393800	**	STATE 3RD PARTY

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 SR 241 L LINE MP 8.33 TO MP 9.30	GROUP 2 SR 241 L LINE MP 9.30 TO MP 12.72	GROUP 3 I-82 / GAP RD WR LINE	GROUP 3 I-82 / GAP RD GW LINE	GROUP 3 I-82 / GAP RD GR LINE	GROUP 3 I-82 / GAP RD ER LINE	GROUP 3 I-82 / GAP RD GE LINE	GROUP 4 I-82 /CO.LINE WL 10+00 TO WL 29+12	GROUP 4 I-82 /CO.LINE EF 10+00 TO EF 23+35	GROUP 5 I-82 /CO.LINE WL 29+12 TO WL 36+39	GROUP 5 I-82 /CO.LINE EF 23+35 TO EF 27+81	GROUP 5 I-82 /CO.LINE CL LINE	GROUP 5 I-82 /CO.LINE WF LINE	GROUP 5 I-82 /CO.LINE EO 10+67 TO EO 27+00	GROUP 6 I-82 /CO.LINE EO 27+00 TO EO 37+66	GROUP 7 THIRD PARTY DAMAGES
36	5860.00	540.00	5320.00	6993	HR	PORTABLE CHANGEABLE MESSAGE SIGN	540.00	1,620.00	420.00	420.00	420.00	420.00	420.00	400.00	400.00						800.00	
37	LUMP SUM	LUMP SUM	LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	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.	
38	256.00	18.00	238.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	18.00	122.00		8.00	32.00	10.00	8.00	8.00	10.00			32.00	8.00			
						OTHER ITEMS																
39	LUMP SUM	LUMP SUM	LUMP SUM	7037	L.S.	STRUCTURE SURVEYING	L.S.	L.S.														
40	9.00	2.00	7.00		EACH	REMOVING AND RESETTING MONUMENT CASE AND COVER	2.00	6.00			1.00											
41	15000.00	1250.00	13750.00	7480	DOL	ROADSIDE CLEANUP	1,250.00	3,750.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	750.00	750.00	500.00	500.00	500.00	500.00	500.00	1,000.00	
42	20000.00		20000.00	7715	DOL	FORCE ACCOUNT PAVEMENT SEAT REPAIR BR. NO. 82/209					20,000.00											
43	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE																5.00
44	-1.00		-1.00	7728	DOL	MINOR CHANGE		-1.00														
45	LUMP SUM	LUMP SUM	LUMP SUM	7736	L.S.	SPCC PLAN	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.	
46	7.00		7.00	9602	EACH	ADJUST INLET		3.00			2.00							2.00				

GROUP LEGEND

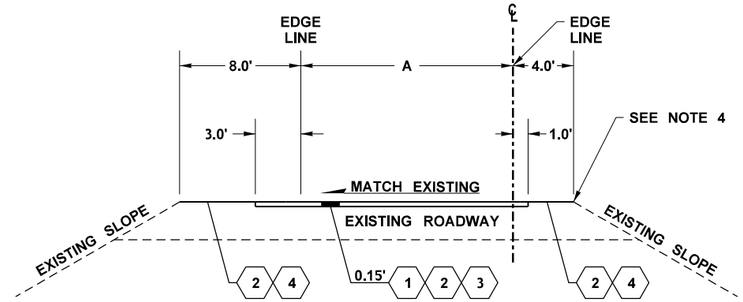
GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	241	393802	*	FEDERAL STBG,STATE
2	241	393800	**	FEDERAL STBG,STATE
3	082	030505	**	STATE,FEDERAL NHPP
4	082	391806	**	STATE,FEDERAL NHPP
5	082	391815	**	STATE,FEDERAL NHPP
6	082	030500	**	STATE,FEDERAL NHPP
7	241	393800	**	STATE 3RD PARTY



ROADWAY SECTION A

NTS

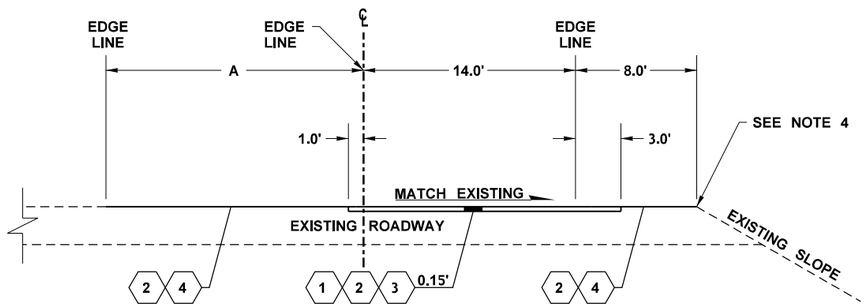
INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	WL	23+00		24+63	14.0' - 21.5'
COUNTY LINE	WF	21+95		22+73	24.5' - 18.0'



ROADWAY SECTION B

NTS

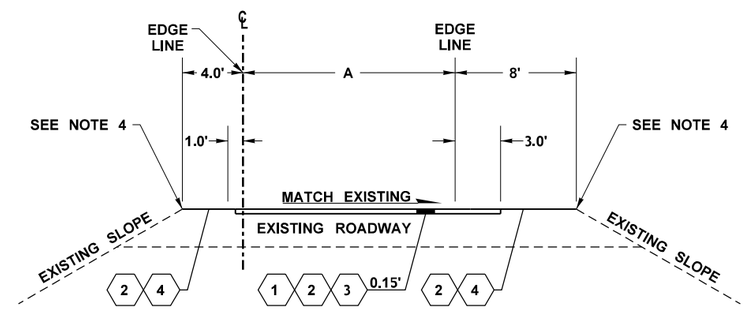
INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	WL	24+63		36+39	14.0' - 15.1'
COUNTY LINE	WF	10+62		21+95	14.0'



ROADWAY SECTION C

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	EF	14+81		15+91	18.0' - 25.5'
COUNTY LINE	EO	22+55		24+63	22.0' - 14.0'



ROADWAY SECTION D

NTS

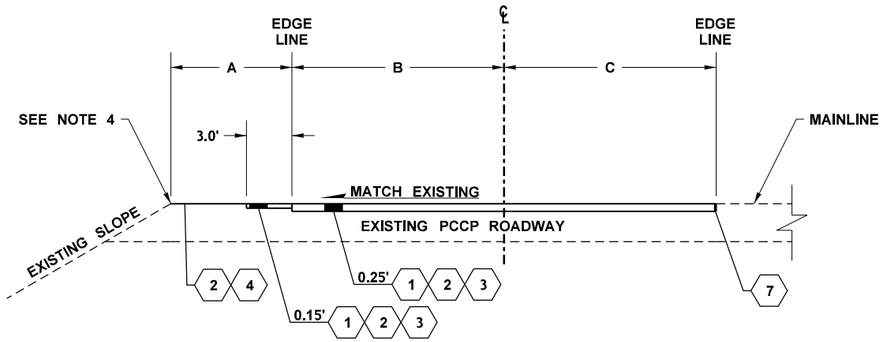
INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	EF	15+91		27+81	14.0'
COUNTY LINE	EO	10+67		22+55	15.1' - 14.0'

LEGEND

- (1) PLANING BITUMINOUS PAVEMENT
- (2) CRACK SEALING
- (3) HMA CL. 3/8 IN. PG 64H-28
- (4) ASPHALT FOR FOG SEAL

NOTES:

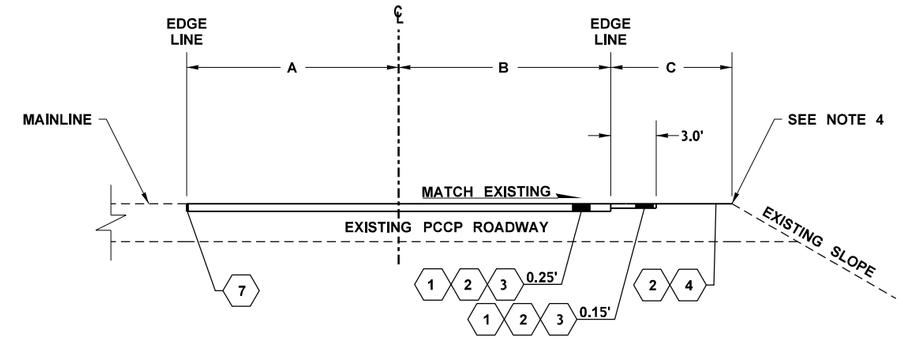
1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. ROADSIDE CLEANUP WILL BE USED TO REGRADE THE EXISTING SLOPE MATERIAL TO THE TOP OF THE FINISHED FINAL LIFT OF HMA.



ROADWAY SECTION I

NTS

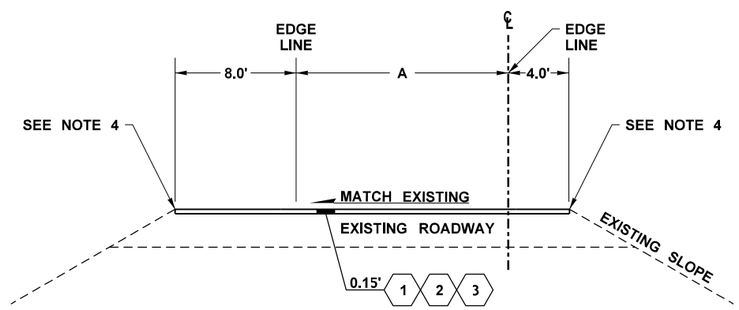
INTERCHANGE	LINE	STATION	TO	STATION	A	B	C
COUNTY LINE	WL	10+00		12+78	10.0' - 8.0'	0.0' - 6.0'	0.0'
COUNTY LINE	WL	12+78		23+00	8.0'	6.0' - 14.0'	0.0' - 14.0'
COUNTY LINE	WF	22+73		26+68	8.0'	14.0' - 6.0'	18.0' - 0.0'
COUNTY LINE	WF	26+68		27+52	8.0' - 10.0'	6.0' - 0.0'	0.0'



ROADWAY SECTION J

NTS

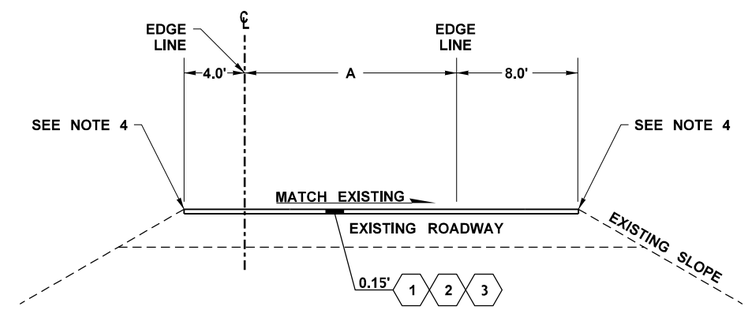
INTERCHANGE	LINE	STATION	TO	STATION	A	B	C
COUNTY LINE	EF	10+00		10+90	0.0'	0.0' - 6.0'	10.0' - 8.0'
COUNTY LINE	EF	10+90		14+81	0.0' - 18.0'	6.0' - 14.0'	8.0'
COUNTY LINE	EO	24+63		35+00	14.0' - 0.0'	14.0' - 6.0'	8.0'
COUNTY LINE	EO	35+00		37+66	0.0'	6.0' - 0.0'	8.0' - 10.0'



ROADWAY SECTION K

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	WL	36+39		36+89	15.1' - 77.6'
COUNTY LINE	WF	10+12		10+62	74.1' - 14.0'



ROADWAY SECTION L

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
COUNTY LINE	EF	27+81		28+31	14.0' - 74.1'
COUNTY LINE	EO	10+17		10+67	79.4' - 15.1'

LEGEND

- (1) PLANING BITUMINOUS PAVEMENT
- (2) CRACK SEALING
- (3) HMA CL. 3/8 IN. PG 64H-28
- (4) ASPHALT FOR FOG SEAL
- (7) LONGITUDINAL JOINT SEAL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. ROADSIDE CLEANUP WILL BE USED TO REGRADE THE EXISTING SLOPE MATERIAL TO THE TOP OF THE FINISHED FINAL LIFT OF HMA.

TIME	12:09:45 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE
10	WASH

JOB NUMBER 22Y003

CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

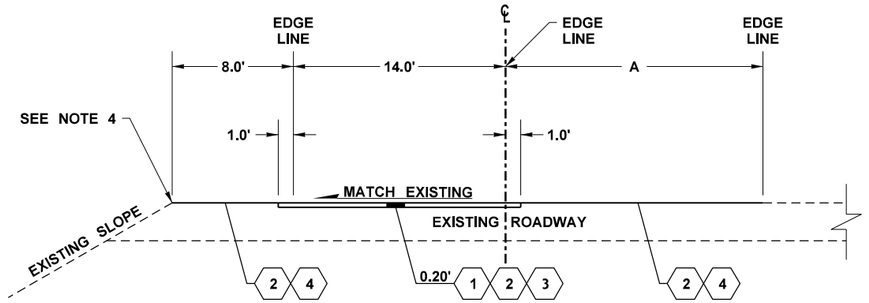
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

PLAN REF NO RS2

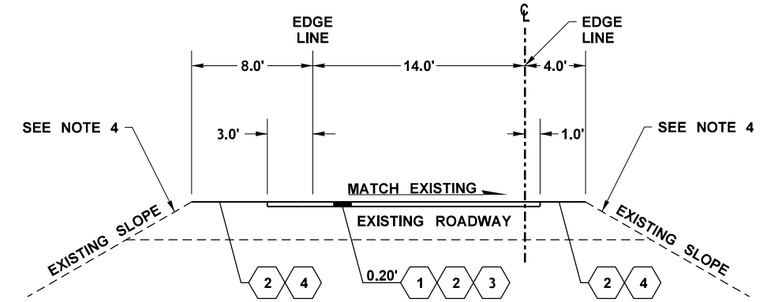
SHEET 7 OF 62 SHEETS



ROADWAY SECTION E

NTS

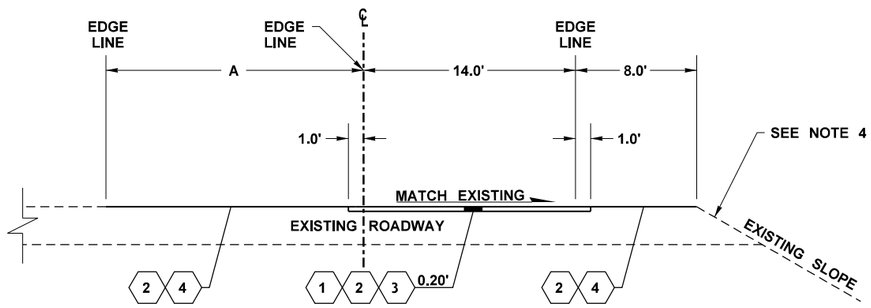
INTERCHANGE	LINE	STATION	TO	STATION	A
GAP RD.	WR	22+97		24+68	14.0' - 22.5'
GAP RD.	ER	23+99		25+20	25.5' - 18.0'



ROADWAY SECTION F

NTS

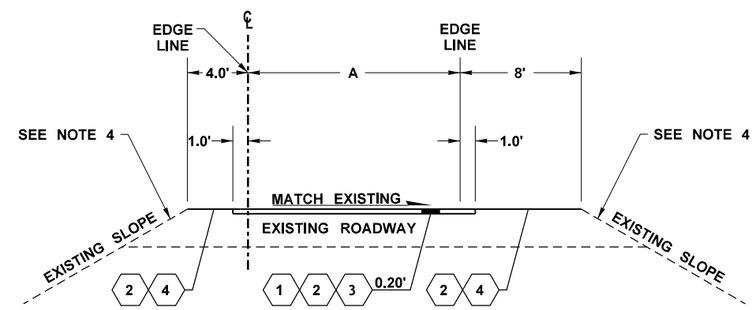
INTERCHANGE	LINE	STATION	TO	STATION
GAP RD.	WR	24+68		36+56
GAP RD.	ER	10+70		23+99



ROADWAY SECTION G

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
GAP RD.	GW	15+32		16+44	18.0' - 26.5'
GAP RD.	GE	23+81		26+01	22.0' - 14.0'



ROADWAY SECTION H

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
GAP RD.	GW	16+44		24+58	14.0'
GAP RD.	GW	24+58		26+08	14.0' - 26.0'
GAP RD.	GW	26+08		28+50	26.0' - 41.0'
GAP RD.	GE	10+72		23+81	14.0'

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. CRACK SEALING
3. HMA CL. 3/8 IN. PG 64H-28
4. ASPHALT FOR FOG SEAL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. ROADSIDE CELANUP WILL BE USED TO REGRADE THE EXISTING SLOPE MATERIAL TO THE TOP OF THE FINISHED FINAL LIFT OF HMA.

TIME	12:09:46 PM				
DATE	4/6/2022				
PLOTTED BY	WolfPa				
DESIGNED BY	H. EILERS				
ENTERED BY	P. WOLF				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 13272 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

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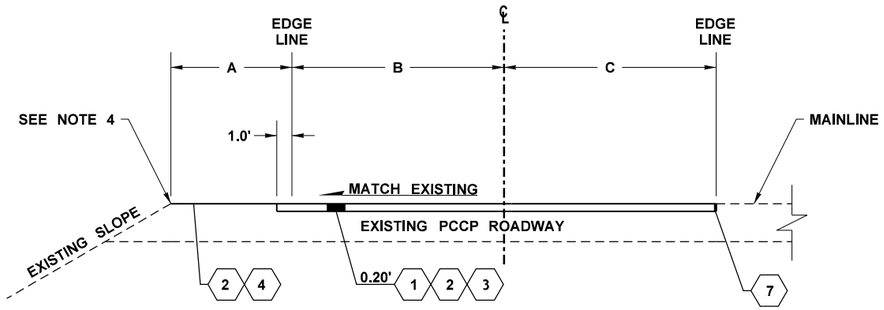
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

PLAN REF NO RS3

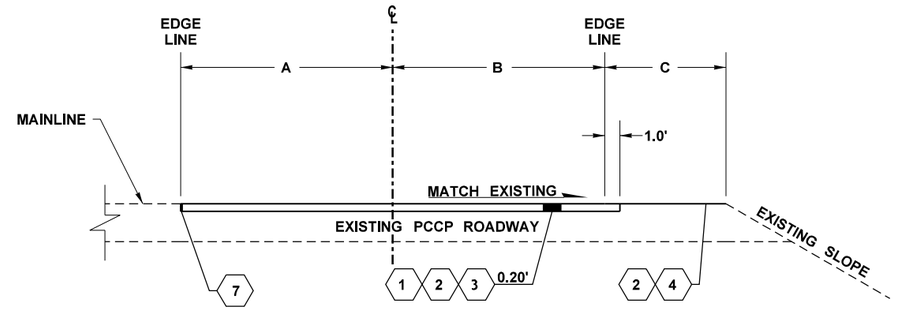
SHEET 8 OF 62 SHEETS



ROADWAY SECTION M

NTS

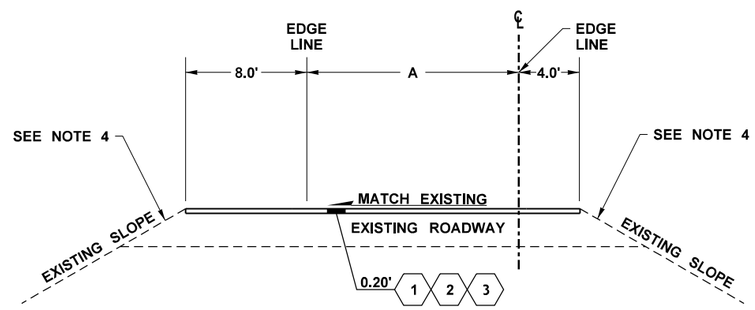
INTERCHANGE	LINE	STATION	TO	STATION	A	B	C
GAP RD.	WR	10+00		12+51	10.0' - 8.0'	0.0' - 6.0'	0.0'
GAP RD.	WR	12+51		22+97	8.0'	6.0' - 14.0'	0.0' - 14.0'
GAP RD.	ER	25+20		29+10	8.0'	14.0' - 6.0'	0.0' - 14.0'
GAP RD.	ER	29+10		30+00	8.0' - 10.0'	6.0' - 0.0'	0.0'



ROADWAY SECTION N

NTS

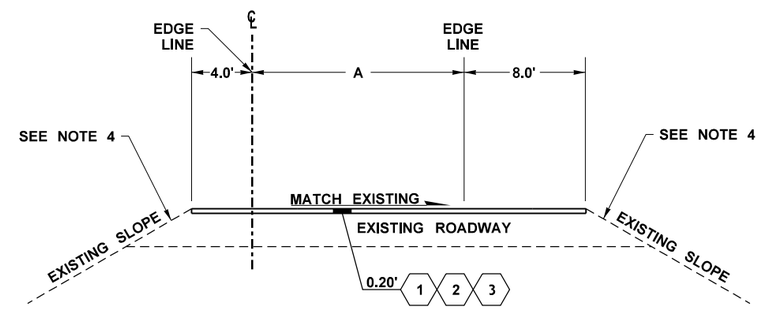
INTERCHANGE	LINE	STATION	TO	STATION	A	B	C
GAP RD.	GW	10+00		10+50	0.0'	0.0'	10.0'
GAP RD.	GW	10+50		11+40	0.0'	0.0' - 6.0'	10.0' - 8.0'
GAP RD.	GW	11+40		15+32	0.0' - 18.0'	6.0' - 14.0'	8.0'
GAP RD.	GE	26+01		36+26	14.0' - 0.0'	14.0' - 6.0'	8.0'
GAP RD.	GE	36+26		39+03	0.0	6.0' - 0.0'	8.0' - 10.0'



ROADWAY SECTION O

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
GAP RD.	WR	36+56		37+07	14' - 82'
GAP RD.	ER	10+20		10+70	53' - 14'



ROADWAY SECTION P

NTS

INTERCHANGE	LINE	STATION	TO	STATION	A
GAP RD.	GW	28+50		29+21	41' - 132.6'
GAP RD.	GE	10+20		10+72	84.7' - 14.0'

LEGEND

- 1 PLANING BITUMINOUS PAVEMENT
- 2 CRACK SEALING
- 3 HMA CL. 3/8 IN. PG 64H-28
- 4 ASPHALT FOR FOG SEAL
- 7 LONGITUDINAL JOINT SEAL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. ROADSIDE CLEANUP WILL BE USED TO RE GRADE THE EXISTING SLOPE MATERIAL TO THE TOP OF THE FINISHED FINAL LIFT OF HMA.

TIME	12:09:46 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO, STATE OF WASHINGTON, 43221, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

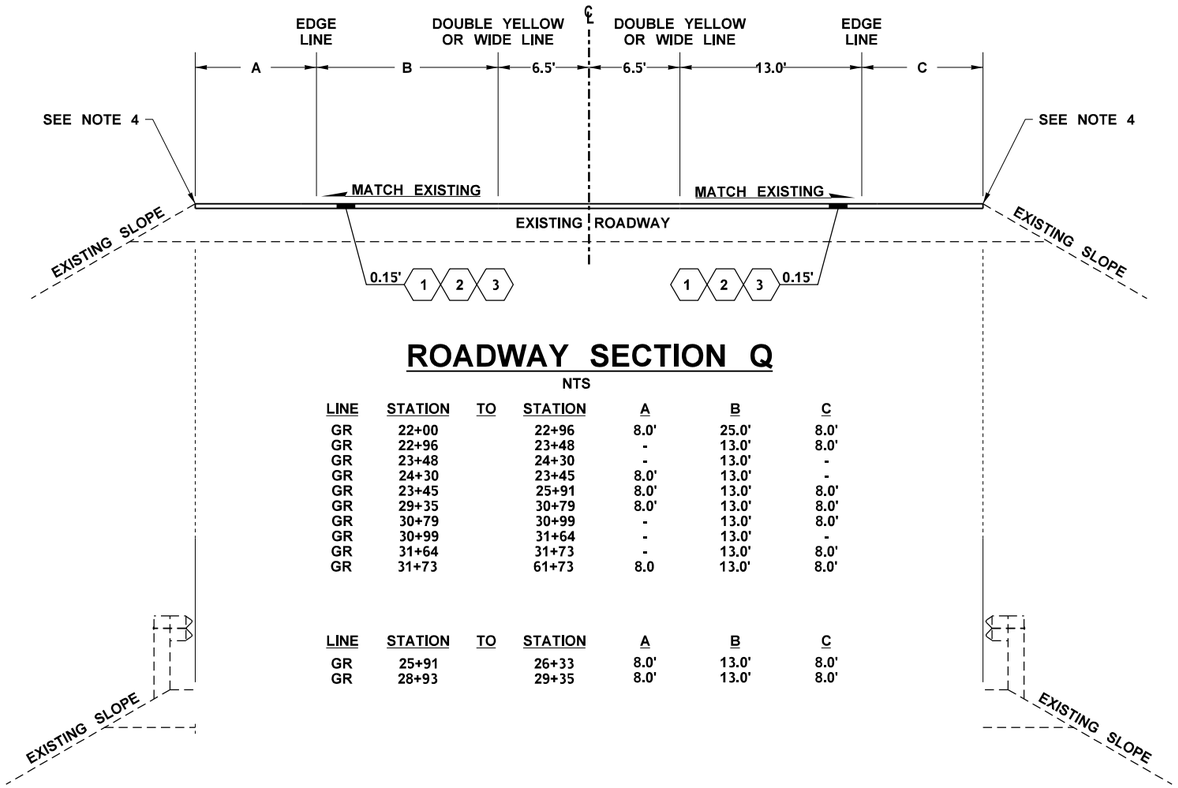
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

PLAN REF NO
RS4

SHEET 9 OF 62 SHEETS

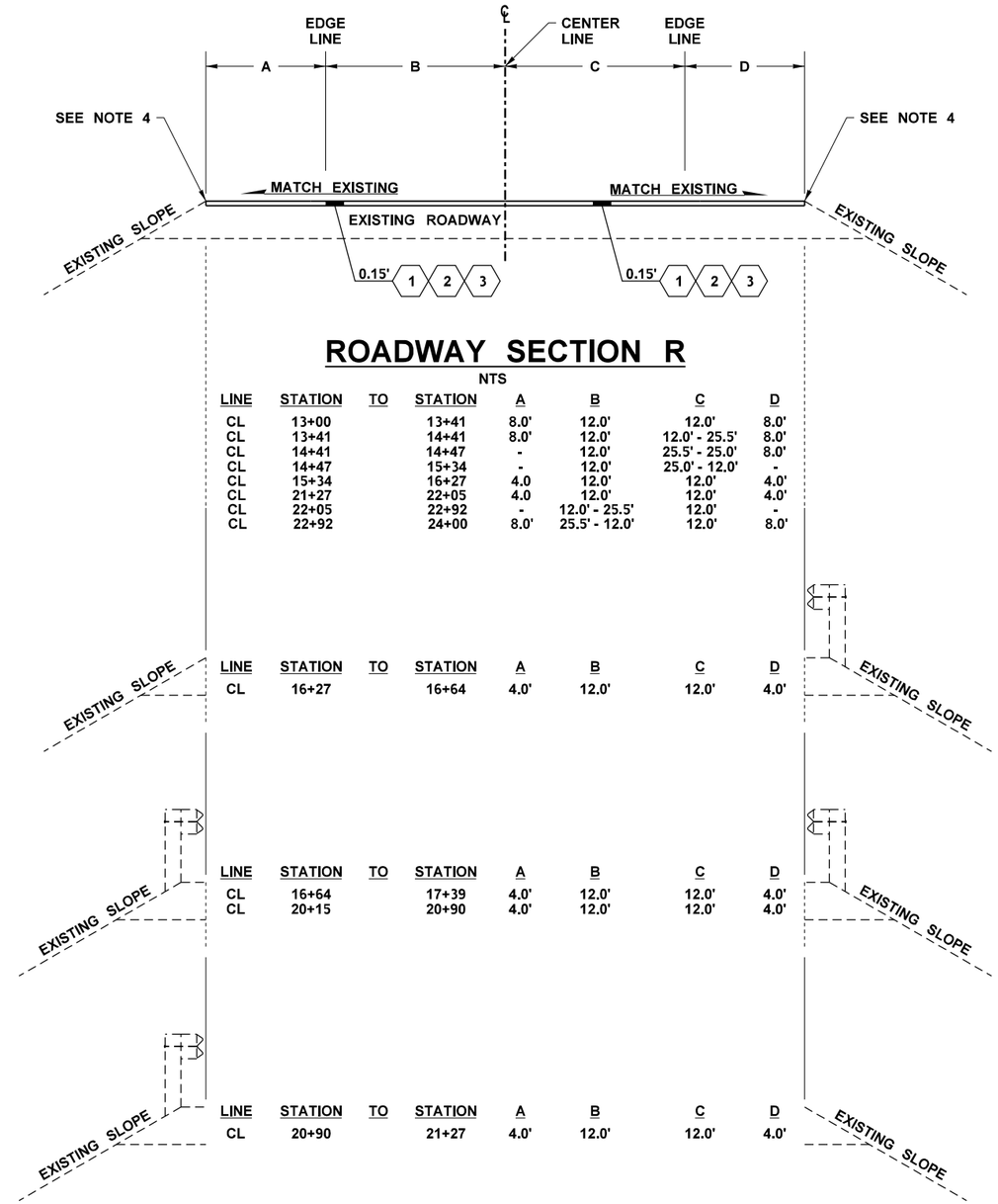


ROADWAY SECTION Q

NTS

LINE	STATION	TO	STATION	A	B	C
GR	22+00		22+96	8.0'	25.0'	8.0'
GR	22+96		23+48	-	13.0'	8.0'
GR	23+48		24+30	-	13.0'	-
GR	24+30		23+45	8.0'	13.0'	-
GR	23+45		25+91	8.0'	13.0'	8.0'
GR	29+35		30+79	8.0'	13.0'	8.0'
GR	30+79		30+99	-	13.0'	8.0'
GR	30+99		31+64	-	13.0'	-
GR	31+64		31+73	-	13.0'	8.0'
GR	31+73		61+73	8.0	13.0'	8.0'

LINE	STATION	TO	STATION	A	B	C
GR	25+91		26+33	8.0'	13.0'	8.0'
GR	28+93		29+35	8.0'	13.0'	8.0'



ROADWAY SECTION R

NTS

LINE	STATION	TO	STATION	A	B	C	D
CL	13+00		13+41	8.0'	12.0'	12.0'	8.0'
CL	13+41		14+41	8.0'	12.0'	12.0' - 25.5'	8.0'
CL	14+41		14+47	-	12.0'	25.5' - 25.0'	8.0'
CL	14+47		15+34	-	12.0'	25.0' - 12.0'	-
CL	15+34		16+27	4.0	12.0'	12.0'	4.0'
CL	21+27		22+05	4.0	12.0'	12.0'	4.0'
CL	22+05		22+92	-	12.0' - 25.5'	12.0'	-
CL	22+92		24+00	8.0'	25.5' - 12.0'	12.0'	8.0'

LINE	STATION	TO	STATION	A	B	C	D
CL	16+27		16+64	4.0'	12.0'	12.0'	4.0'

LINE	STATION	TO	STATION	A	B	C	D
CL	16+64		17+39	4.0'	12.0'	12.0'	4.0'
CL	20+15		20+90	4.0'	12.0'	12.0'	4.0'

LINE	STATION	TO	STATION	A	B	C	D
CL	20+90		21+27	4.0'	12.0'	12.0'	4.0'

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. CRACK SEALING
3. HMA CL. 3/8 IN. PG 64H-28

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. ROADSIDE CLEANUP WILL BE USED TO REGRADE THE EXISTING SLOPE MATERIAL TO THE TOP OF THE FINISHED FINAL LIFT OF HMA.

TIME	12:09:47 PM			
DATE	4/6/2022			
PLOTTED BY	WolfPa			
DESIGNED BY	H. EILERS			
ENTERED BY	P. WOLF			
CHECKED BY	P. COOPER			
PROJ. ENGR.	A. SANGUINO			
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON REGISTERED 43221 PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

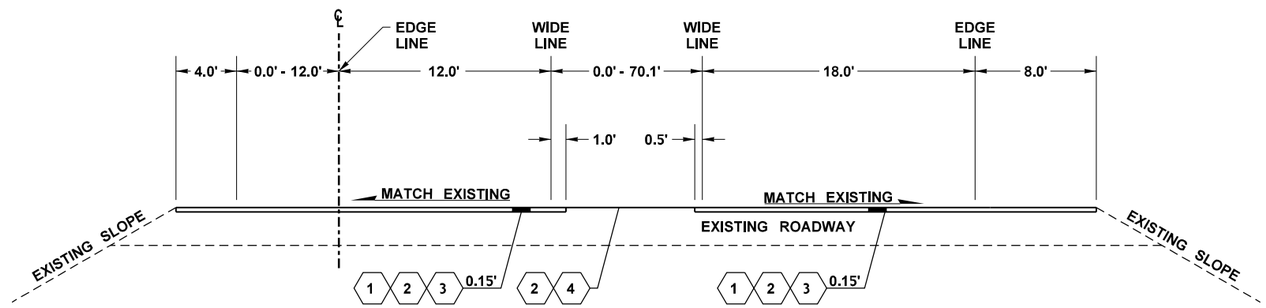
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

PLAN REF NO RS5

SHEET 10 OF 62 SHEETS



ROADWAY SECTION S

NTS

INTERCHANGE	LINE	STATION	TO	STATION
GAP RD.	GW	28+50		29+22

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. CRACK SEALING
3. HMA CL. 3/8 IN. PG 64H-28
4. ASPHALT FOR FOG SEAL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.

TIME	12:09:48 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

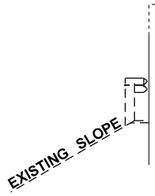
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

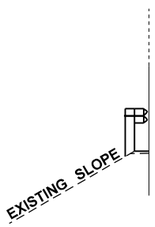
PLAN REF NO RS6

SHEET 11 OF 62 SHEETS



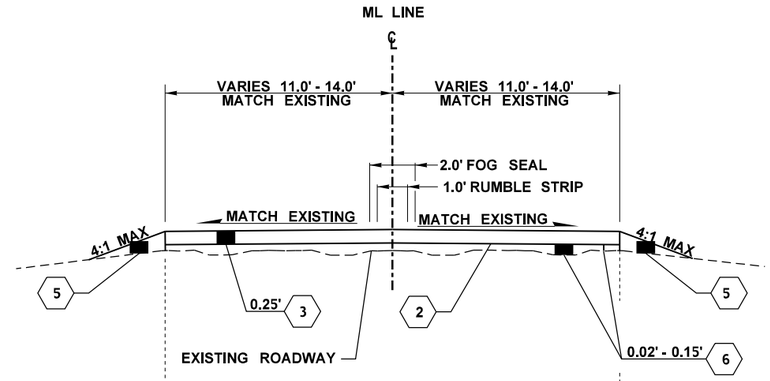
ALTERNATE END CONDITION

LINE	STATION	TO	STATION
ML	1020+63		1033+89
ML	1034+27		1056+77
ML	1083+09		1085+17
ML	1101+73		1108+09
ML	1110+11		1110+66
ML	1131+58		1139+81
ML	1239+48		1240+02
ML	1240+74		1241+27



ALTERNATE END CONDITION

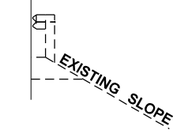
LINE	STATION	TO	STATION
ML	1108+47		1109+44



ROADWAY SECTION T

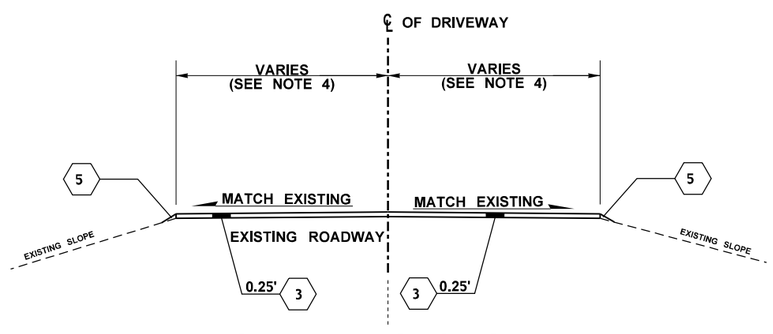
NTS

LINE	STATION	TO	STATION
ML	1009+31		1017+50
ML	1017+50		1018+66
ML	1018+66		1026+30
ML	1026+30		1033+51
ML	1034+60		105+977
ML	1061+41		1087+10
ML	1087+96		1107+75
ML	1108+77		1109+26
ML	1110+75		1165+96
ML	1167+72		1185+88
ML	1186+51		1225+29
ML	1226+71		1240+02
ML	1240+83		1241+27



ALTERNATE END CONDITION

LINE	STATION	TO	STATION
ML	1083+62		1086+43
ML	1108+94		1109+26
ML	1109+91		1110+09
ML	1239+60		1240+06
ML	1240+79		1241+27

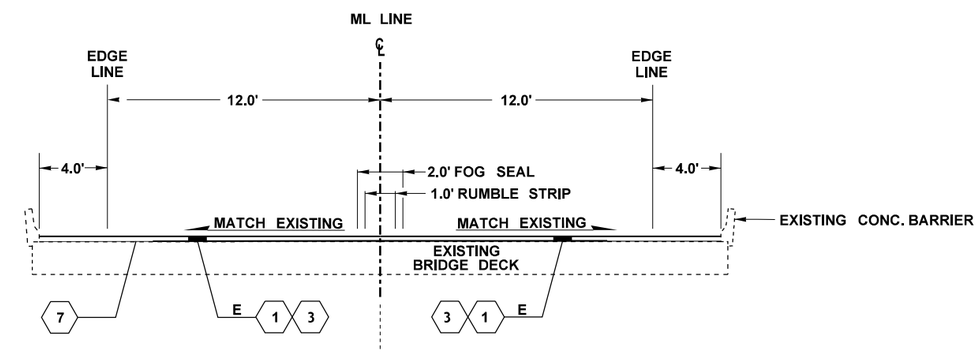


ROADWAY SECTION U

NTS

LINE	STATION
*ML	1025+95 (RT)
*ML	1073+94 (RT)

* ML STATION SHOW IS THE ℄ OF DRIVEWAY. SEE PLANS FOR WIDTHS AND LENGTHS.



ROADWAY SECTION V

NTS

STRUCTURE PAVING SCHEDULE						
STATION	BRIDGE NUMBER	GRADE CONTROL	EXISTING ASPHALT DEPTH*	1 DESIGN REMOVAL		3 E PAVING DEPTH*
				PARTIAL/FULL	DEPTH*	
ML 1109+26 TO ML 1110+11	241/12	GRADE CONTROL	0.22' - 0.29'	FULL	0.22' - 0.29'	0.25'
ML 1240+02 TO ML 1240+83	241/15	GRADE CONTROL	0.17' - 0.22'	FULL	0.17' - 0.22'	0.20'

* APPROXIMATE DEPTH FOR GRADE CONTROLLED PAVING. ADJUST REMOVAL DEPTH DETERMINED BY PROFILE SURVEY.

LEGEND

- 1 PLANING BITUMINOUS PAVEMENT
- 2 CRACK SEALING
- 3 HMA CL. 3/8 IN. PG 64H-28
- 5 SHOULDER FINISHING
- 6 HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
- 7 WATERPROOFING MEMBRANE

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.
4. SEE PAVING PLANS FOR DRIVEWAY WIDTH AND LENGTH.

TIME	12:09:50 PM			
DATE	4/6/2022			
PLOTTED BY	WolfPa			
DESIGNED BY	H. EILERS			
ENTERED BY	P. WOLF			
CHECKED BY	P. COOPER			
PROJ. ENGR.	A. SANGUINO			
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 13273 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

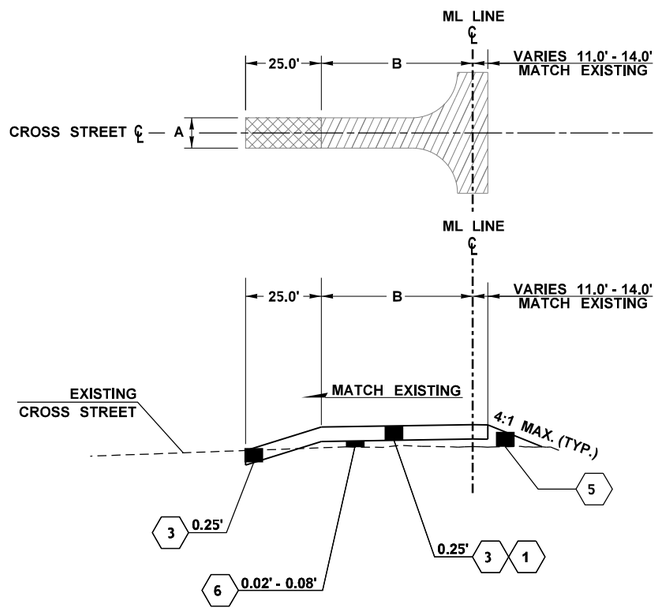
PLAN REF NO RS7

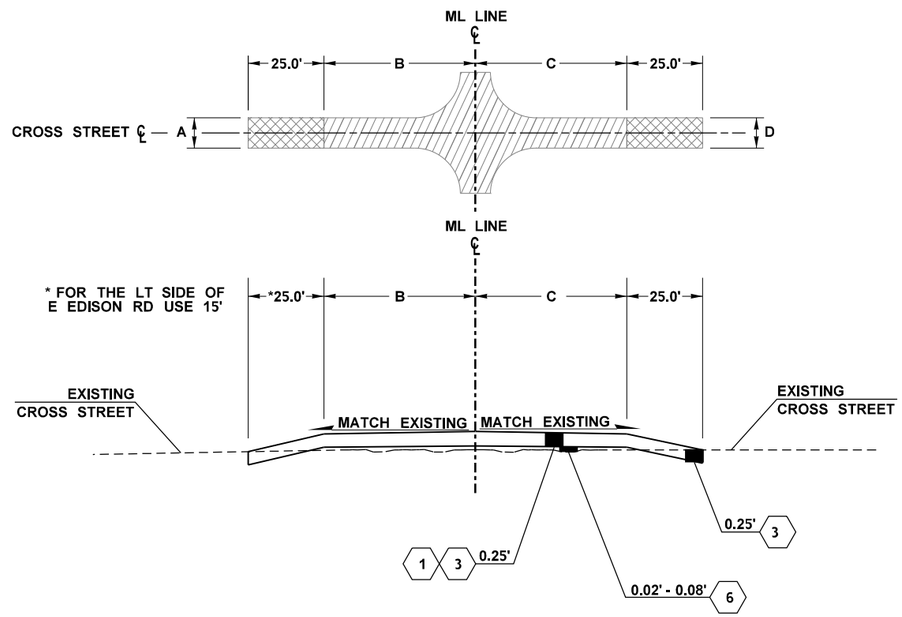
SHEET 12 OF 62 SHEETS

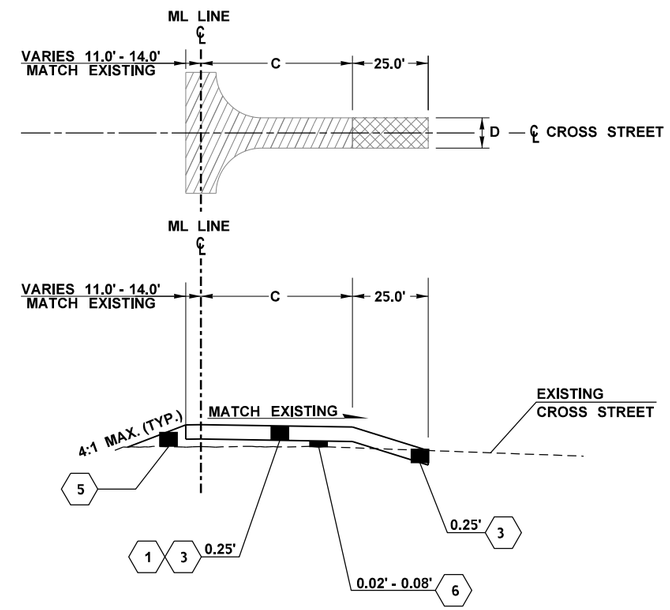
LEGEND

PLANING BITUMINOUS PAVEMENT AREA

HMA BUTT JOINT OVERLAY TRANSITION







ROADWAY SECTION W

NTS

LINE	STATION	A	B	INTERSECTION	0.10' PLANING DEPTH
ML	1108+30 (LT)	24.7' - 102.7'	32.6'	VAN BELLE RD.	294 SY
ML	1186+33 (LT)	24.2' - 62.3'	32.9'	LANTZ RD.	-
ML	1225+78 (LT)	20.0' - 142.0'	59.2'	INDEPENDENCE RD	449 SY

LINE	STATION	A	B	C	D	INTERSECTION	0.10' PLANING DEPTH
ML	1034+06 (LT)	26.0' - 157.5'	15.1'	-	-	EDISON RD.	-
ML	1034+07 (RT)	-	-	25.2'	24.5' - 157.5'	EDISON RD.	-
ML	1060+77 (LT)	26.0' - 164.3'	70.7'	-	-	SHELLER RD.	652 SY
ML	1060+79 (RT)	-	-	80.5'	26.0' - 164.3'	SHELLER RD.	582 SY
ML	1166+74 (LT)	25.2' - 176.2'	58.4'	-	-	ARROWSMITH RD.	623 SY
ML	1166+74 (RT)	-	-	21.5'	24.0' - 94.0'	SIL RD.	-

LINE	STATION	C	D	INTERSECTION	0.10' PLANING DEPTH
ML	1087+53 (RT)	30.1'	15.8' - 85.6'	RADER RD.	-
ML	1110+34 (RT)	46.2'	25.2' - 68.7'	VAN BELLE RD.	238 SY

LEGEND

1. PLANING BITUMINOUS PAVEMENT
3. HMA CL. 3/8 IN. PG 64H-28
5. SHOULDER FINISHING
6. HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. SEE PAVING PLANS AND PAVEMENT MARKING PLANS FOR VARIABLE LANE AND SHOULDER WIDTHS.
3. SEE SHEET PVD1 FOR PAVING DETAILS.

TIME	12:09:50 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

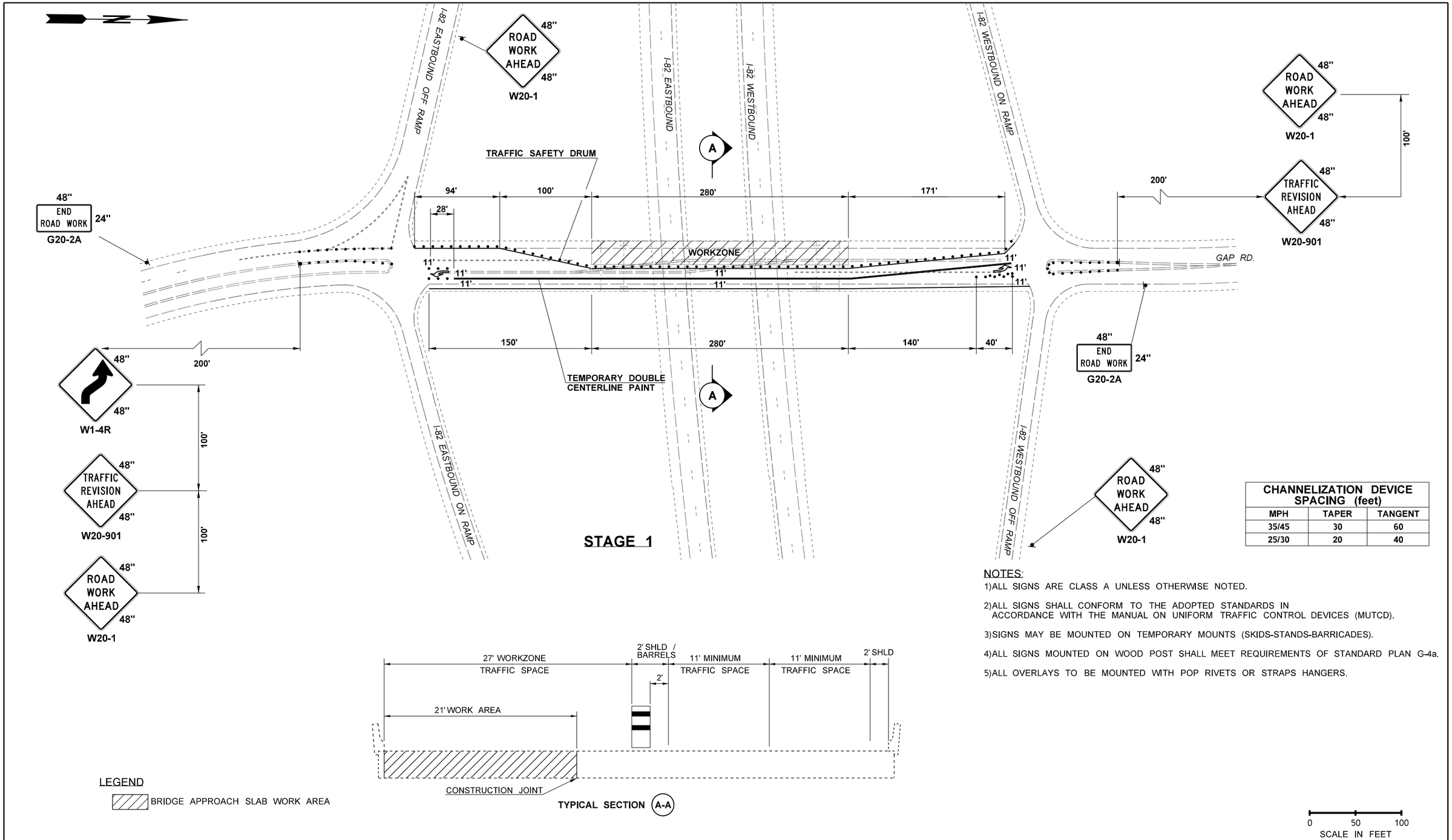
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

ROADWAY SECTIONS

PLAN REF NO RS8

SHEET 13 OF 62 SHEETS



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

NOTES:

1)ALL SIGNS ARE CLASS A UNLESS OTHERWISE NOTED.

2)ALL SIGNS SHALL CONFORM TO THE ADOPTED STANDARDS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

3)SIGNS MAY BE MOUNTED ON TEMPORARY MOUNTS (SKIDS-STANDS-BARRICADES).

4)ALL SIGNS MOUNTED ON WOOD POST SHALL MEET REQUIREMENTS OF STANDARD PLAN G-4a.

5)ALL OVERLAYS TO BE MOUNTED WITH POP RIVETS OR STRAPS HANGERS.

TIME	12:09:51 PM			
DATE	4/6/2022			
PLOTTED BY	WolfPa			
DESIGNED BY	H. EILERS			
ENTERED BY	P. WOLF			
CHECKED BY	P. COOPER			
PROJ. ENGR.	A. SANGUINO			
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

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DATE

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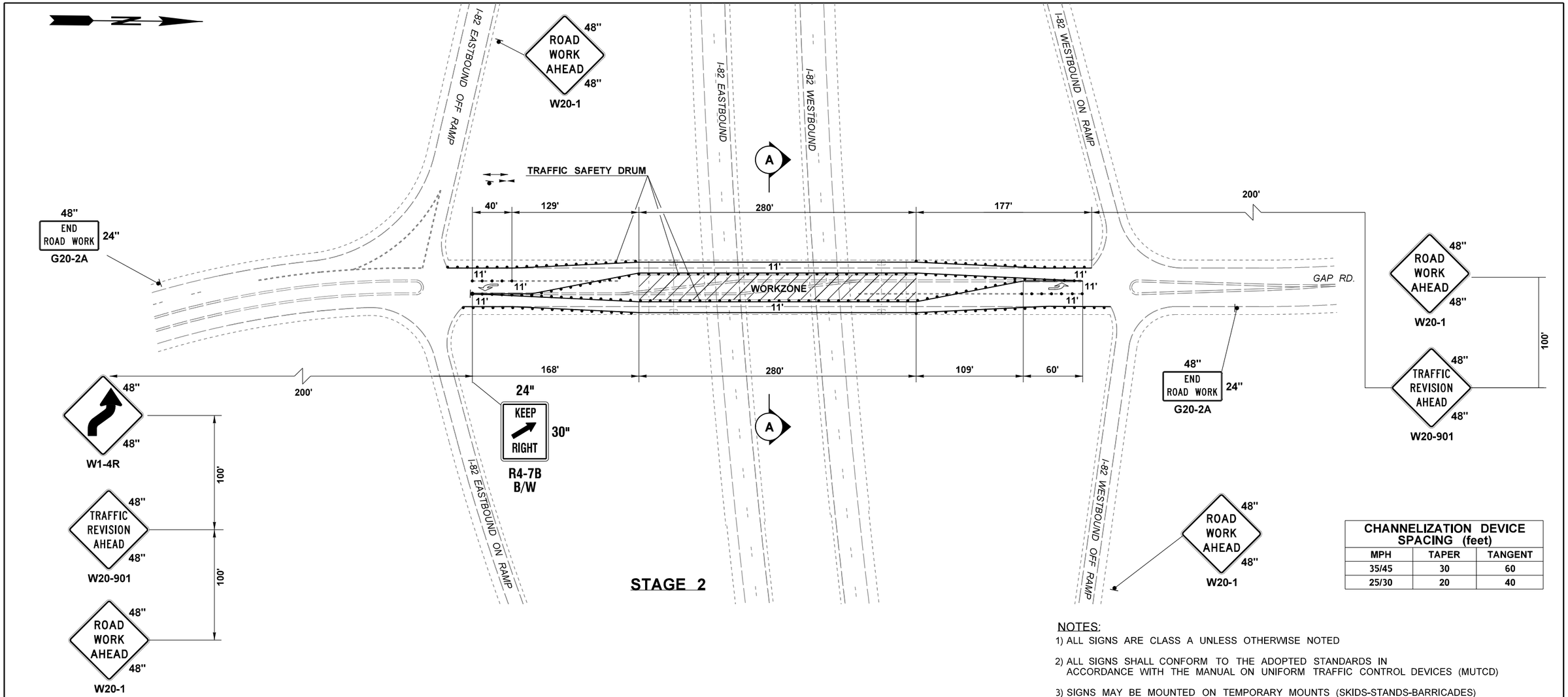
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

STAGING PLAN

PLAN REF NO SU1

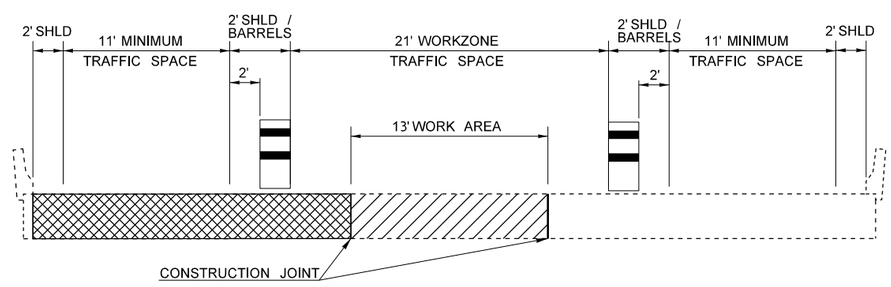
SHEET 14 OF 62 SHEETS



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

NOTES:

1) ALL SIGNS ARE CLASS A UNLESS OTHERWISE NOTED
2) ALL SIGNS SHALL CONFORM TO THE ADOPTED STANDARDS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
3) SIGNS MAY BE MOUNTED ON TEMPORARY MOUNTS (SKIDS-STANDS-BARRICADES)
4) ALL SIGNS MOUNTED ON WOOD POST SHALL MEET REQUIREMENTS OF STANDARD PLAN G-4a.
5) ALL OVERLAYS TO BE MOUNTED WITH POP RIVETS OR STRAPS HANGERS.



TYPICAL SECTION (A-A)

LEGEND

BRIDGE APPROACH SLAB WORK AREA

COMPLETED BRIDGE APPROACH SLAB WORK

0 50 100
SCALE IN FEET

TIME	12:09:52 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022				JOB NUMBER 22Y003		
PLOTTED BY	WolfPa						
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

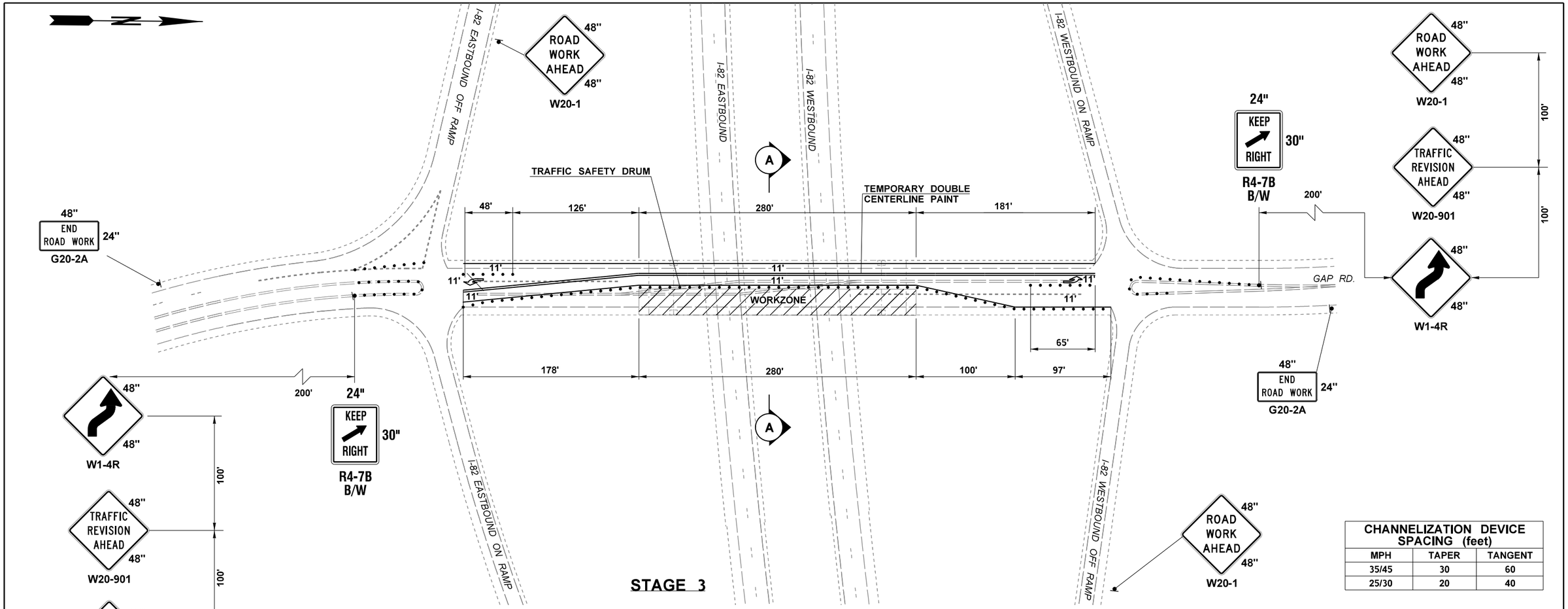
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

STAGING PLAN

PLAN REF NO
SU2

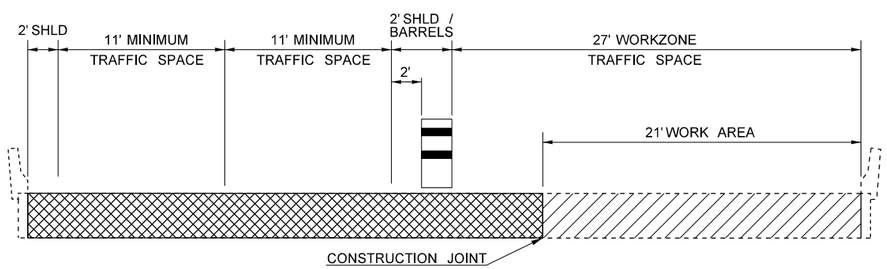
SHEET 15 OF 62 SHEETS



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

NOTES:

1) ALL SIGNS ARE CLASS A UNLESS OTHERWISE NOTED
2) ALL SIGNS SHALL CONFORM TO THE ADOPTED STANDARDS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
3) SIGNS MAY BE MOUNTED ON TEMPORARY MOUNTS (SKIDS-STANDS-BARRICADES)
4) ALL SIGNS MOUNTED ON WOOD POST SHALL MEET REQUIREMENTS OF STANDARD PLAN G-4a.
5) ALL OVERLAYS TO BE MOUNTED WITH POP RIVETS OR STRAPS HANGERS.



A-A TYPICAL SECTION

LEGEND

- BRIDGE APPROACH SLAB WORK AREA
- COMPLETED BRIDGE APPROACH SLAB WORK

0 50 100
SCALE IN FEET

TIME	12:09:52 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43271 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

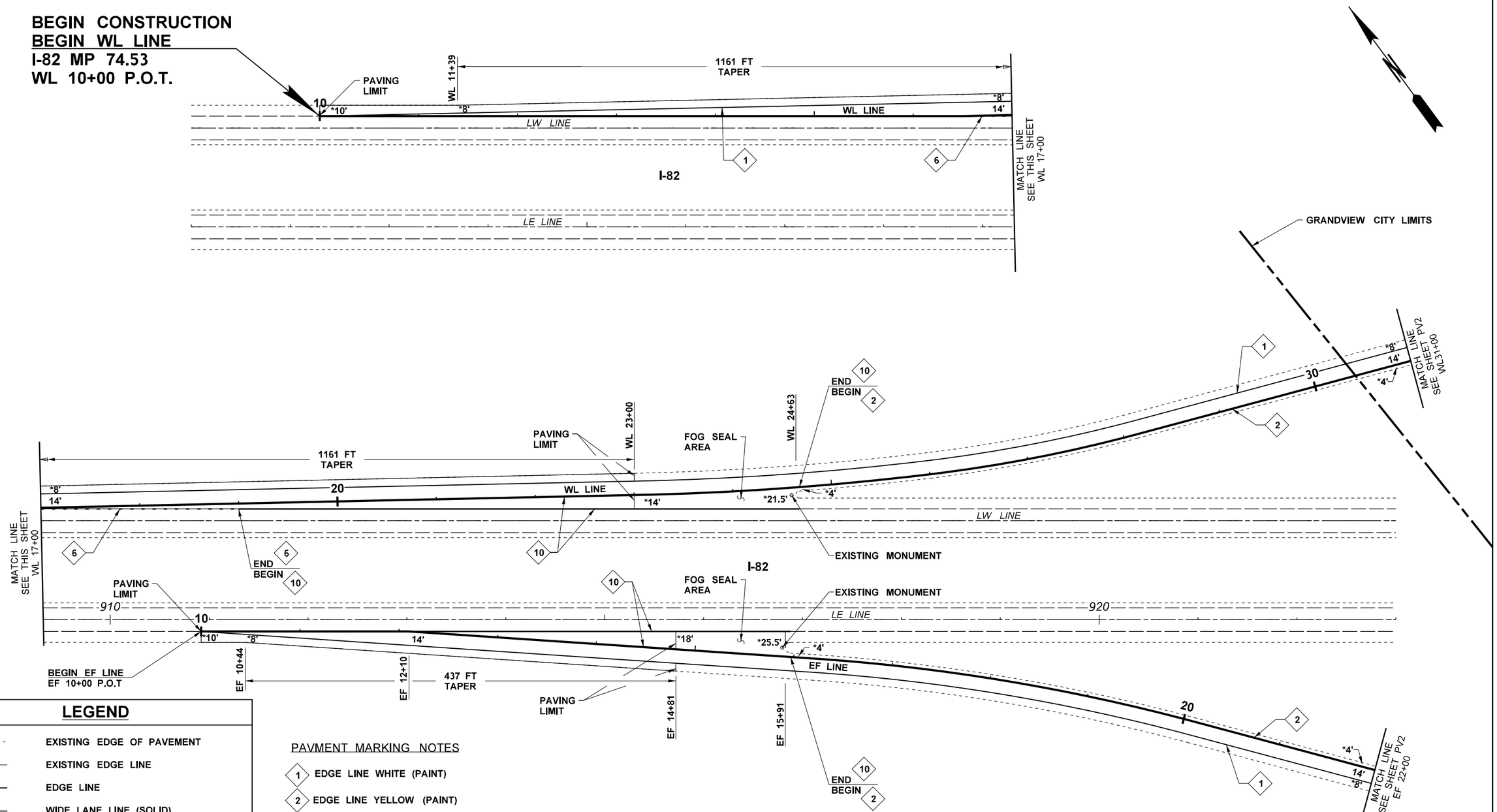
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

STAGING PLAN

PLAN REF NO SU3

SHEET 16 OF 62 SHEETS



LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- EDGE LINE
- WIDE LANE LINE (SOLID)
- WIDE LANE LINE (DOTTED)
- EXISTING GRATE INLET
- TRAFFIC ARROW TYPE 5

PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
2. EDGE LINE YELLOW (PAINT)
6. WIDE LANE LINE (DOTTED) (PLASTIC LINE)
10. GROOVED PLASTIC WIDE LINE

0 50 100
SCALE IN FEET

NOTE
* FOR SHOULDER PAVING WIDTH SEE ROADWAY SECTIONS

TIME	12:09:53 PM				REGION NO. 10	STATE WASH
DATE	4/6/2022				JOB NUMBER 22Y003	FED.AID PROJ.NO.
PLOTTED BY	WolfPa				CONTRACT NO.	LOCATION NO.
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER					
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

ALEJANDRO SANGUINO, STATE OF WASHINGTON, #32221, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

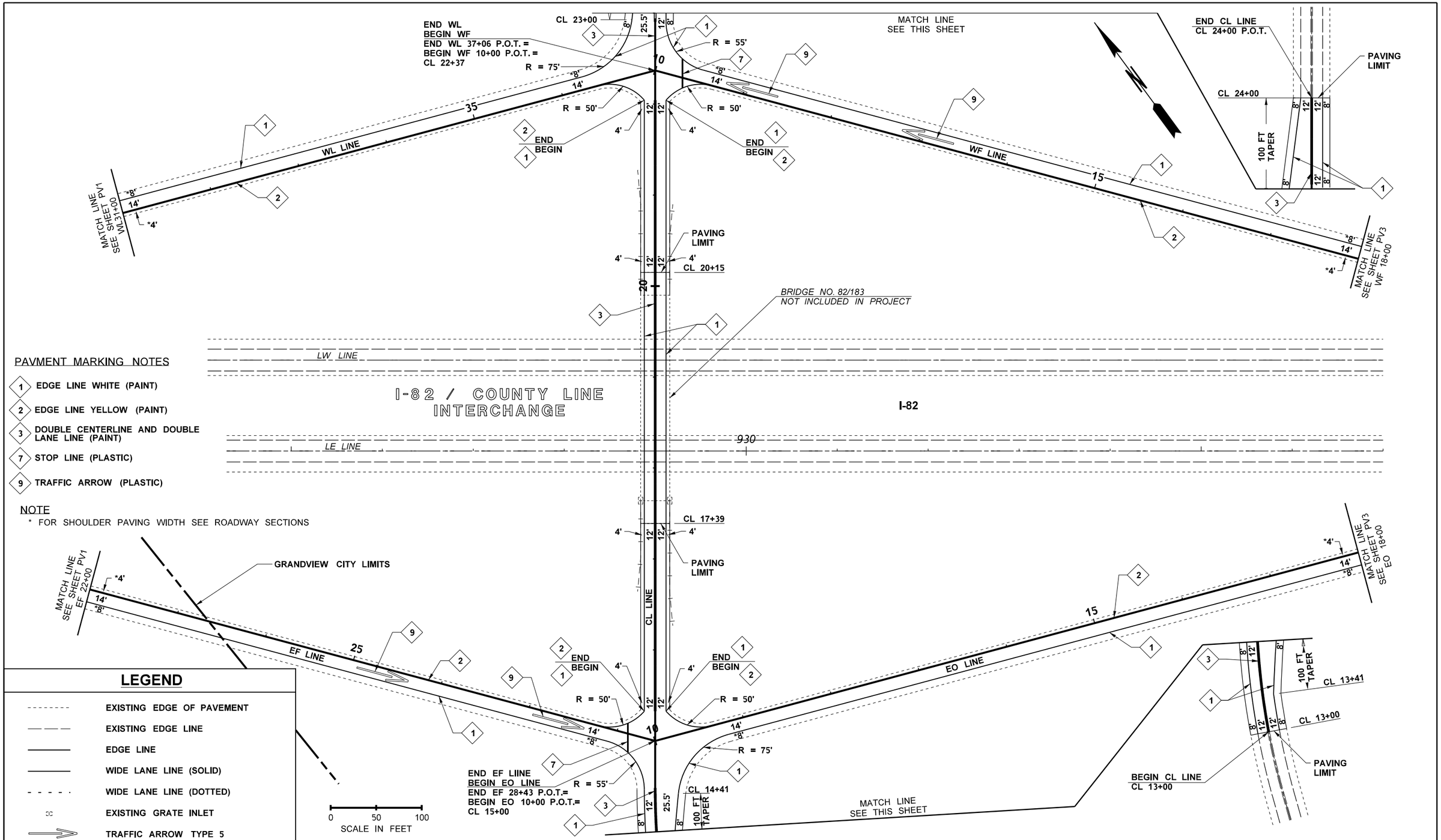
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO
PV1

SHEET 17 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
2. EDGE LINE YELLOW (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
7. STOP LINE (PLASTIC)
9. TRAFFIC ARROW (PLASTIC)

NOTE

* FOR SHOULDER PAVING WIDTH SEE ROADWAY SECTIONS

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- EDGE LINE
- WIDE LANE LINE (SOLID)
- WIDE LANE LINE (DOTTED)
- EXISTING GRATE INLET
- TRAFFIC ARROW TYPE 5

TIME	12:09:54 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO
STATE OF WASHINGTON
43221
REGISTERED
PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
P.E. STAMP BOX

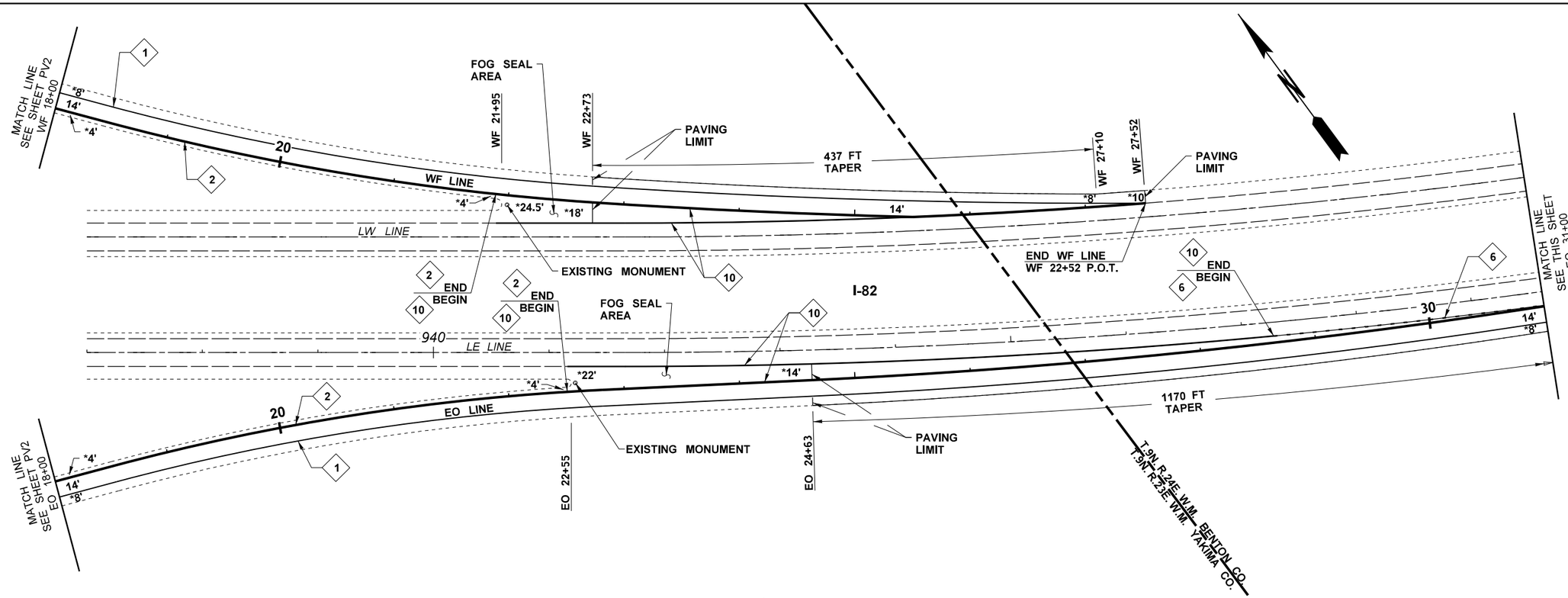
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C -
PAVING

PAVING / PAVEMENT MARKING

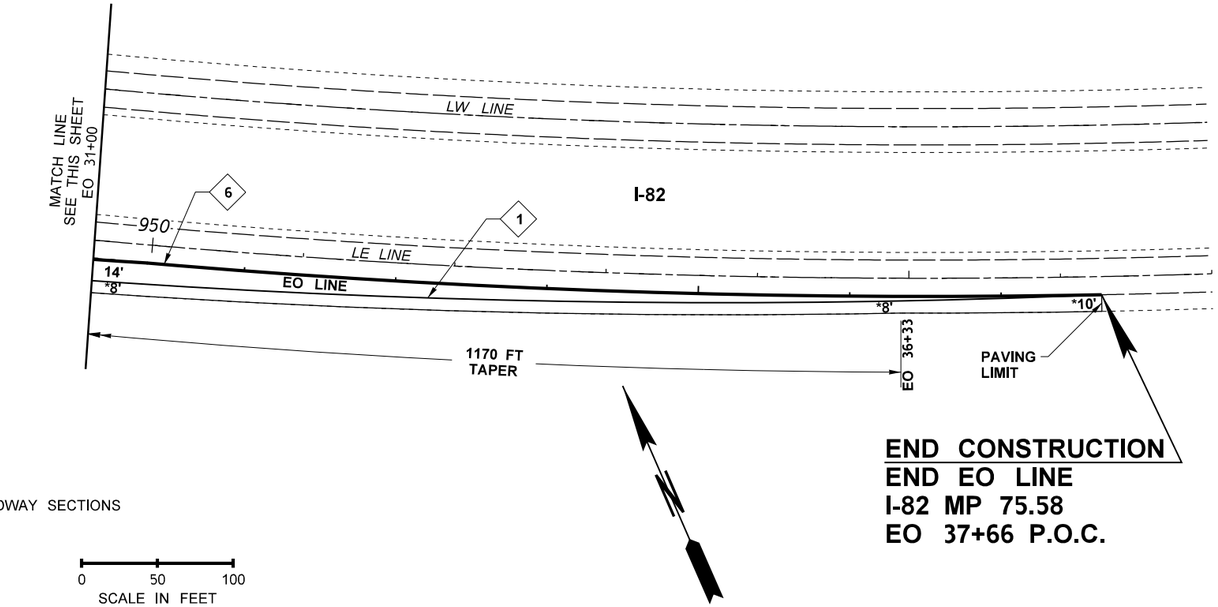
PLAN REF NO
PV2

SHEET 18 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
2. EDGE LINE YELLOW (PAINT)
6. WIDE LANE LINE (DOTTED) (PLASTIC LINE)
10. GROOVED PLASTIC WIDE LINE



END CONSTRUCTION
END EO LINE
I-82 MP 75.58
EO 37+66 P.O.C.

LEGEND

- - - - - - -	EXISTING EDGE OF PAVEMENT
— — —	EXISTING EDGE LINE
———	EDGE LINE
———	WIDE LANE LINE (SOLID)
- - - - -	WIDE LANE LINE (DOTTED)
⊏⊐	EXISTING GRATE INLET
	TRAFFIC ARROW TYPE 2L

NOTE
* FOR SHOULDER PAVING WIDTH SEE ROADWAY SECTIONS

0 50 100
SCALE IN FEET

TIME	12:09:55 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22Y003
CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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DATE
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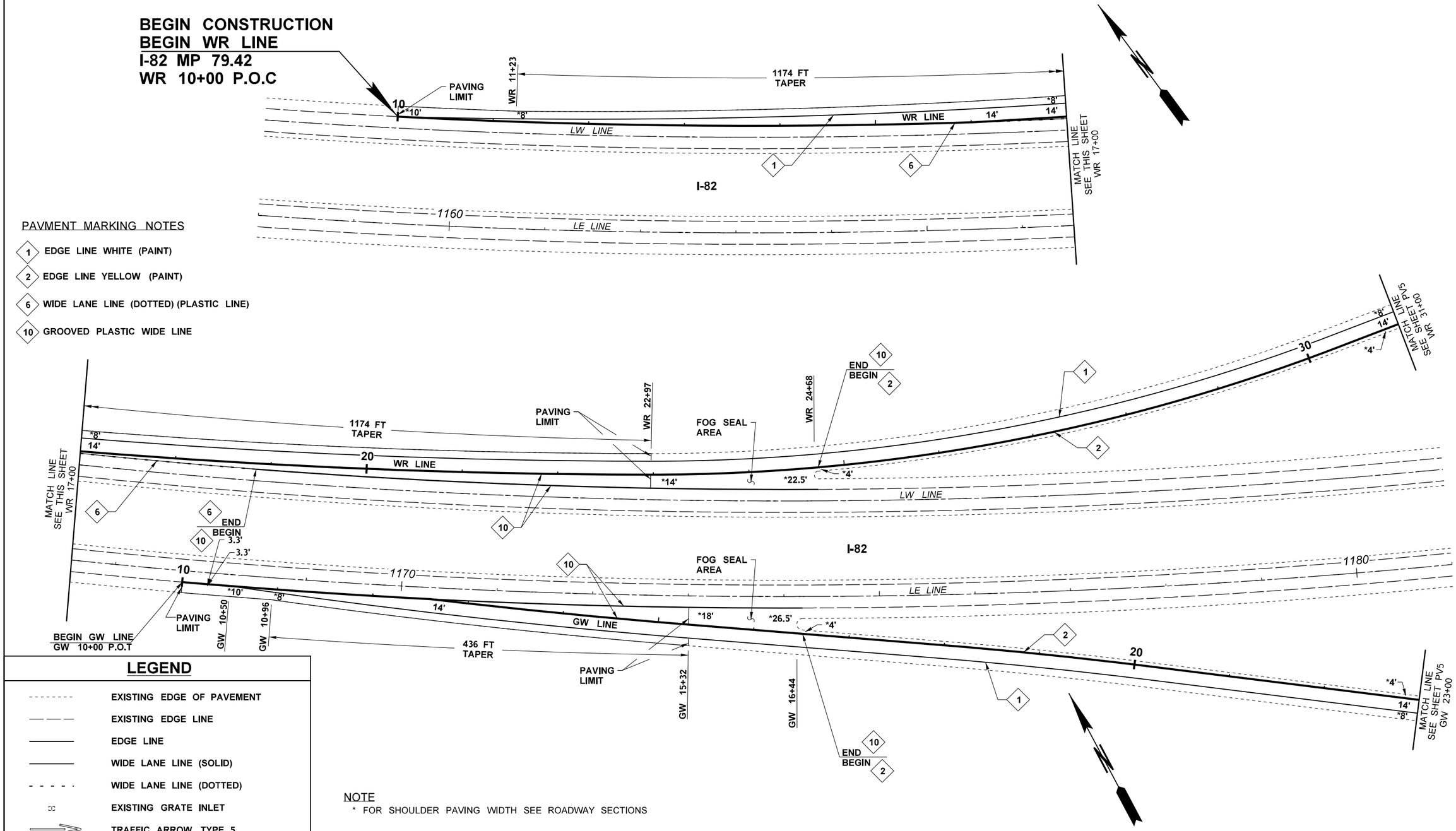
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO PV3

SHEET 19 OF 62 SHEETS



TIME	12:09:55 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022				JOB NUMBER 22Y003		
PLOTTED BY	WolfPa				CONTRACT NO.		LOCATION NO.
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER						
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO — STATE OF WASHINGTON — 43271 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

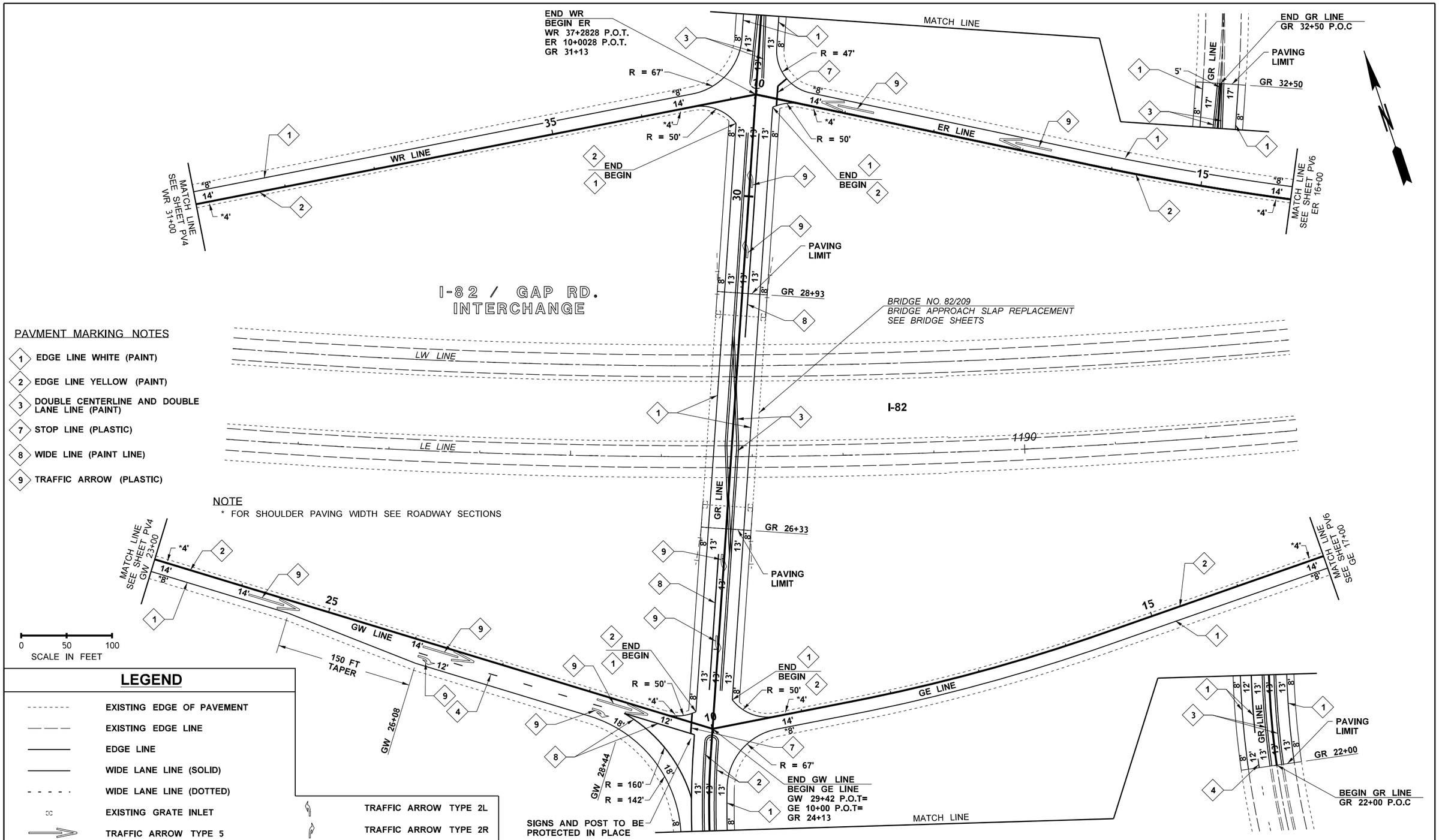
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO PV4

SHEET 20 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
2. EDGE LINE YELLOW (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
7. STOP LINE (PLASTIC)
8. WIDE LINE (PAINT LINE)
9. TRAFFIC ARROW (PLASTIC)

NOTE

* FOR SHOULDER PAVING WIDTH SEE ROADWAY SECTIONS

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE LINE
- EDGE LINE
- WIDE LANE LINE (SOLID)
- WIDE LANE LINE (DOTTED)
- EXISTING GRATE INLET
- TRAFFIC ARROW TYPE 5
- TRAFFIC ARROW TYPE 2L
- TRAFFIC ARROW TYPE 2R

TIME	12:09:56 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO — STATE OF WASHINGTON — 43221 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO PV5

SHEET 21 OF 62 SHEETS

LEGEND

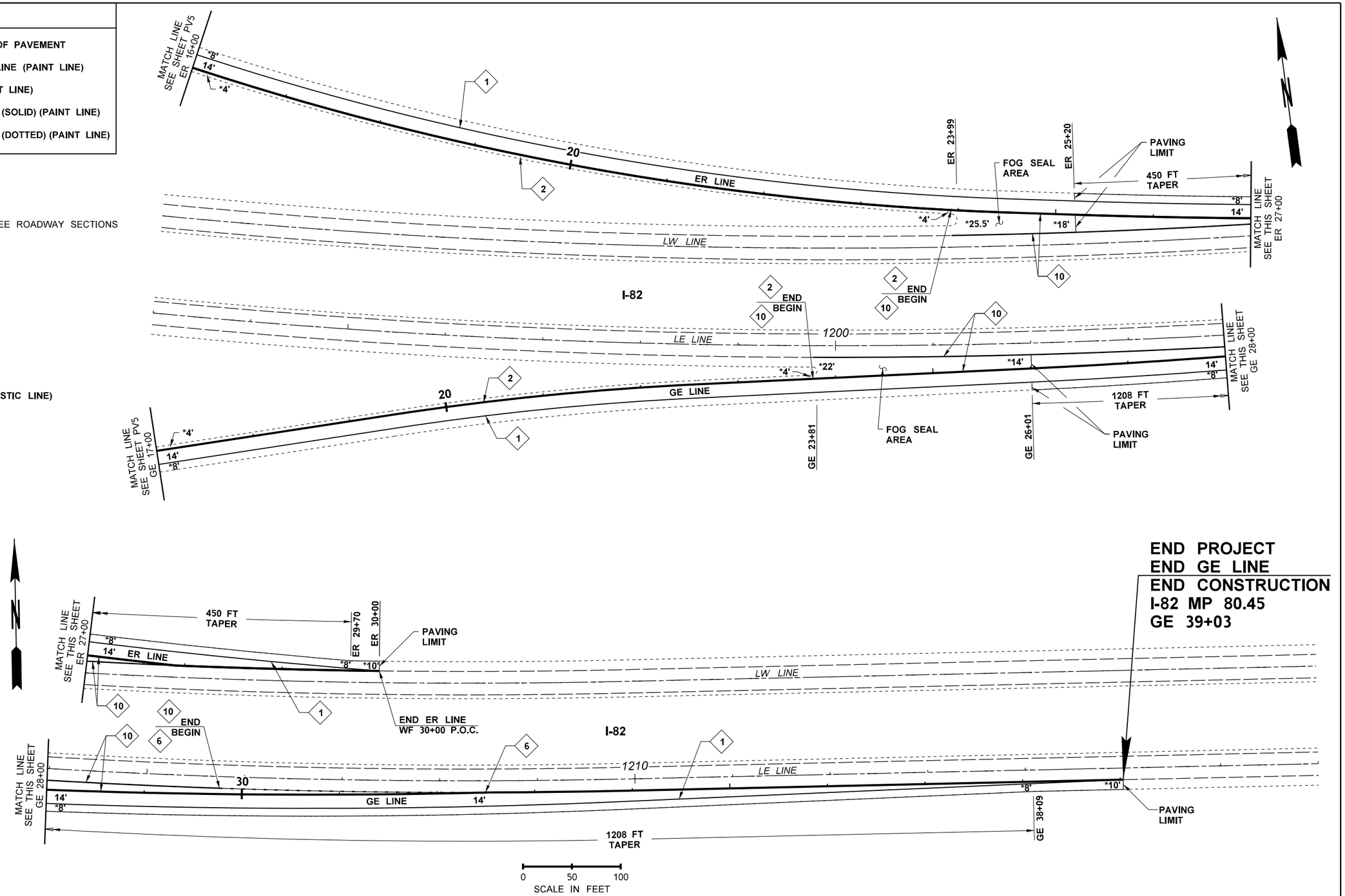
- - - - - -	EXISTING EDGE OF PAVEMENT
— — —	EXISTING EDGE LINE (PAINT LINE)
———	EDGE LINE (PAINT LINE)
———	WIDE LANE LINE (SOLID) (PAINT LINE)
- - - - -	WIDE LANE LINE (DOTTED) (PAINT LINE)

NOTE

* FOR SHOULDER PAVING WIDTH SEE ROADWAY SECTIONS

PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
2. EDGE LINE YELLOW (PAINT)
6. WIDE LANE LINE (DOTTED) (PLASTIC LINE)
10. GROOVED PLASTIC WIDE LINE



TIME	12:09:57 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

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DATE

P.E. STAMP BOX

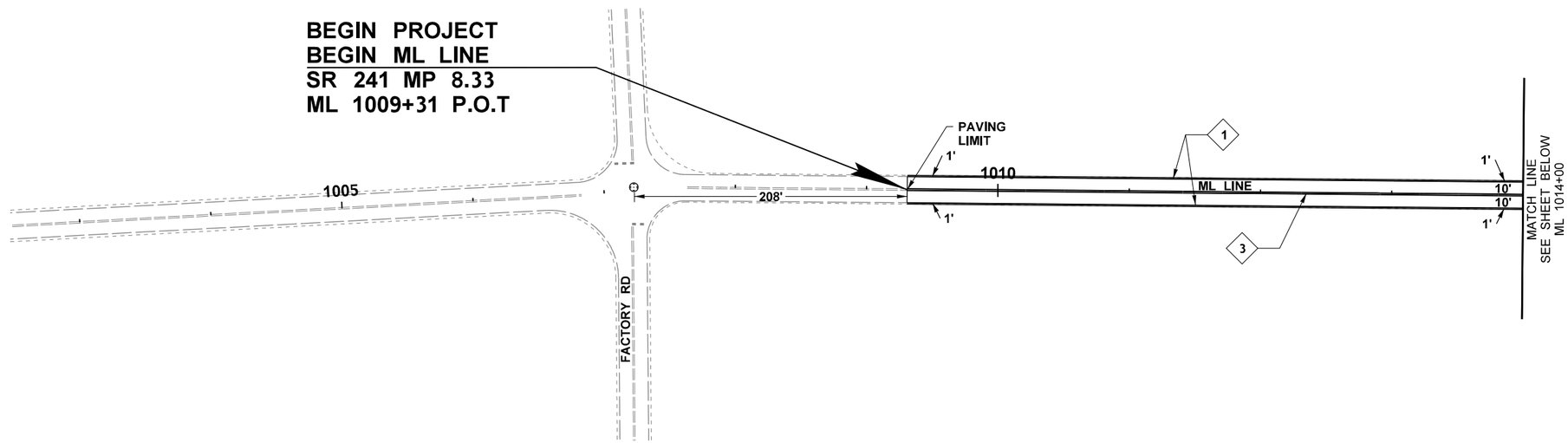
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO PV6

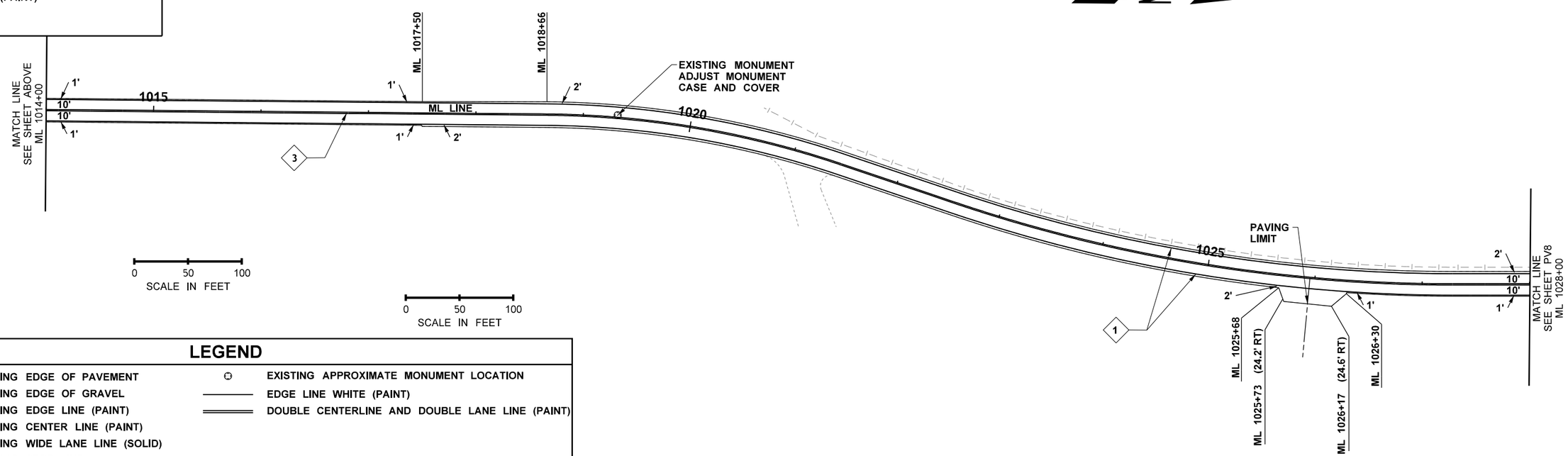
SHEET 22 OF 62 SHEETS



PAVMENT MARKING NOTES

1 EDGE LINE WHITE (PAINT)

3 DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)



LEGEND

EXISTING EDGE OF PAVEMENT	EXISTING APPROXIMATE MONUMENT LOCATION
EXISTING EDGE OF GRAVEL	EDGE LINE WHITE (PAINT)
EXISTING EDGE LINE (PAINT)	DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
EXISTING CENTER LINE (PAINT)	
EXISTING WIDE LANE LINE (SOLID)	
EXISTING STOP LINE	
EXISTING GUARDRAIL	

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of Sunnyside\CAD\ContractPlans_Alt\250-PavingPlan\XL6416_PS_PV_07.dgn
TIME	12:09:58 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 43221

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

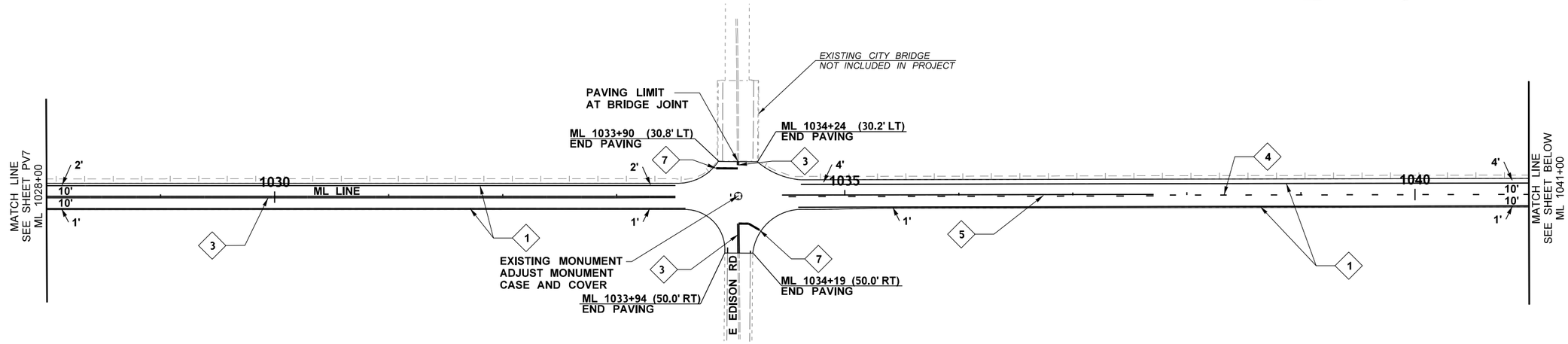
Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

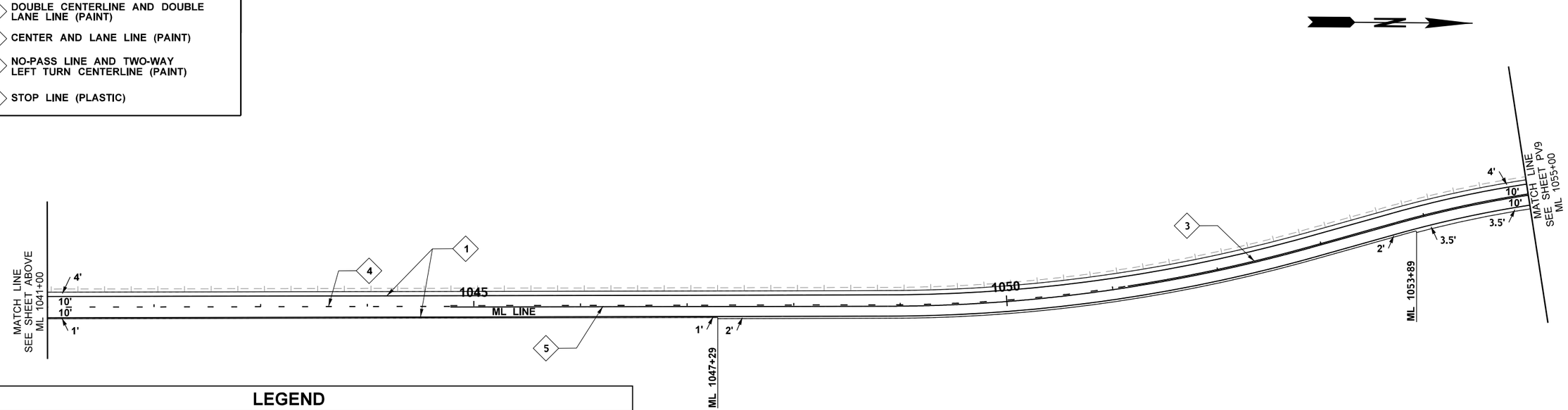
PLAN REF NO PV7

SHEET 23 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
7. STOP LINE (PLASTIC)



LEGEND

EXISTING EDGE OF PAVEMENT	EDGE LINE WHITE (PAINT)
EXISTING EDGE OF GRAVEL	DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
EXISTING EDGE LINE (PAINT)	CENTER AND LANE LINE (PAINT)
EXISTING CENTER LINE (PAINT)	NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
EXISTING GUARDRAIL	
EXISTING APPROXIMATE MONUMENT LOCATION	

0 50 100
SCALE IN FEET

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\250-PavIngPlan\XL6416_PS_PV_08.dgn
TIME	12:09:58 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO
STATE OF WASHINGTON
13327
REGISTERED
PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

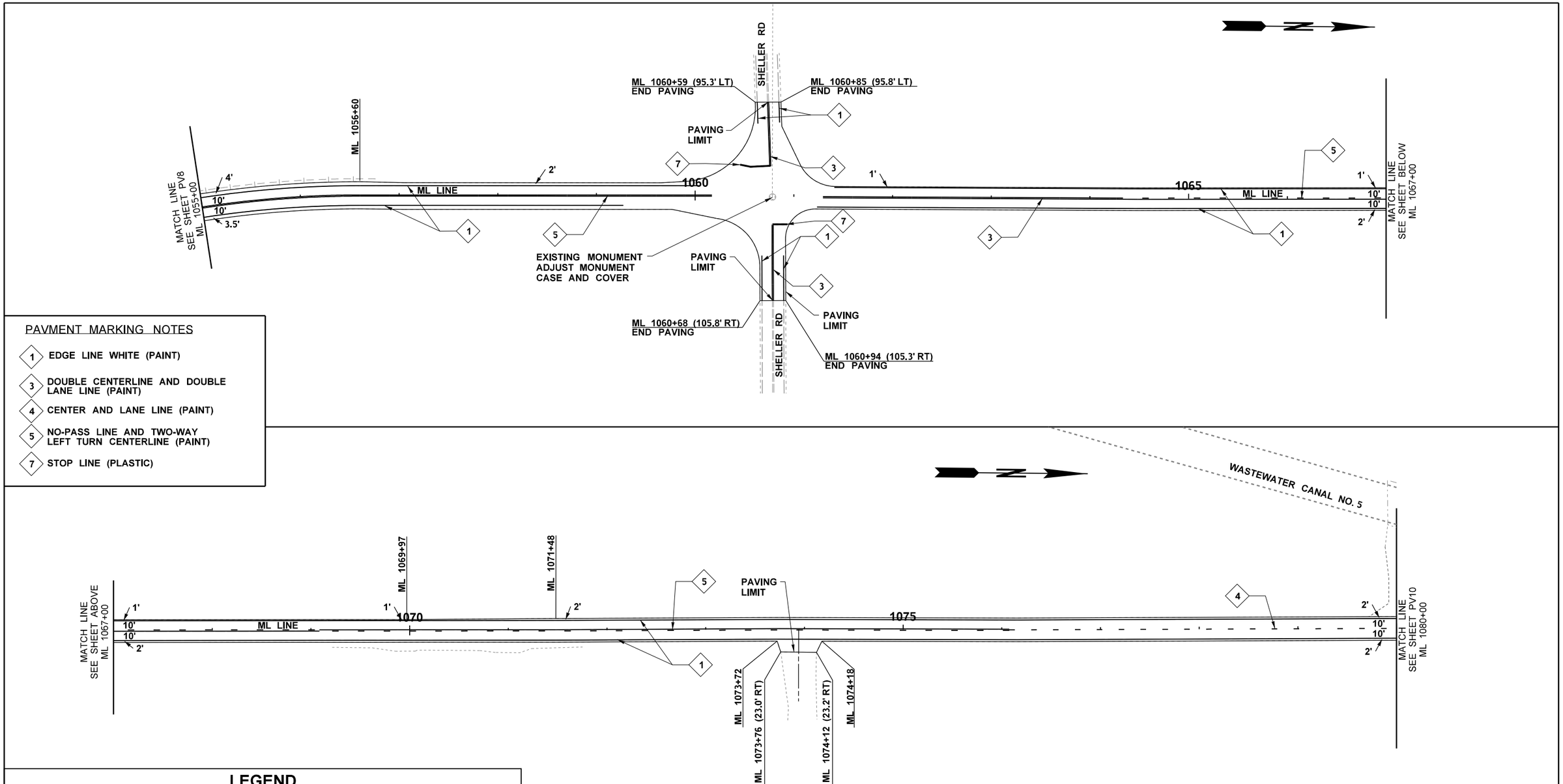
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO
PV8

SHEET 24 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
7. STOP LINE (PLASTIC)

LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING EDGE LINE (PAINT)
- EXISTING CENTER LINE (PAINT)
- EXISTING APPROXIMATE MONUMENT LOCATION
- EDGE LINE WHITE (PAINT)
- DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
- CENTER AND LANE LINE (PAINT)
- NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)

0 50 100
SCALE IN FEET

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TIME	12:09:59 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022						
PLOTTED BY	WolfPa				JOB NUMBER 22Y003		
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO
STATE OF WASHINGTON
43272
REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

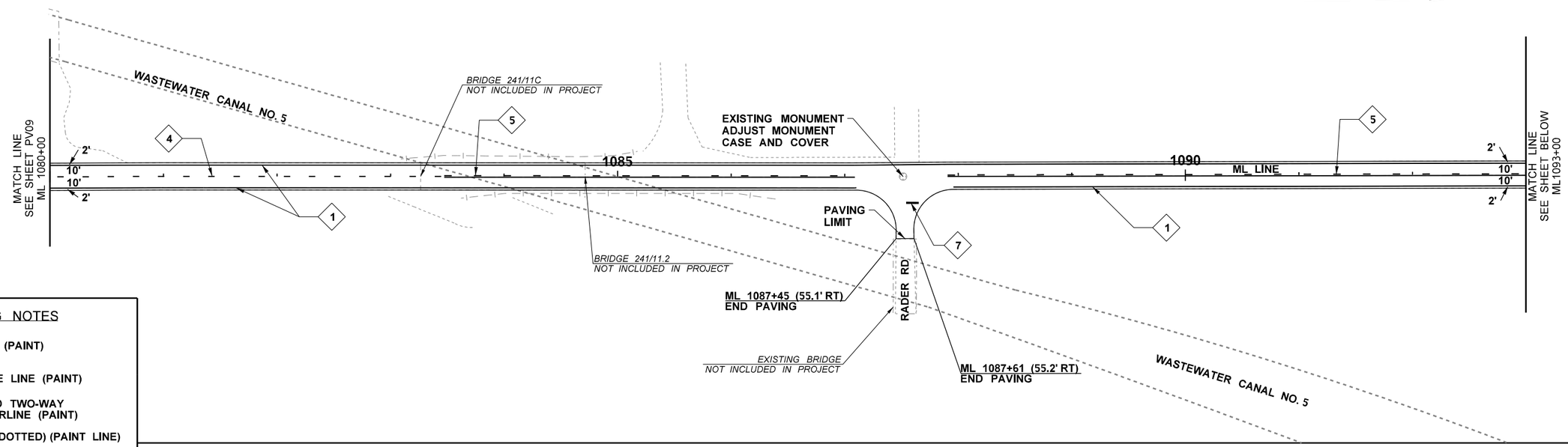
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

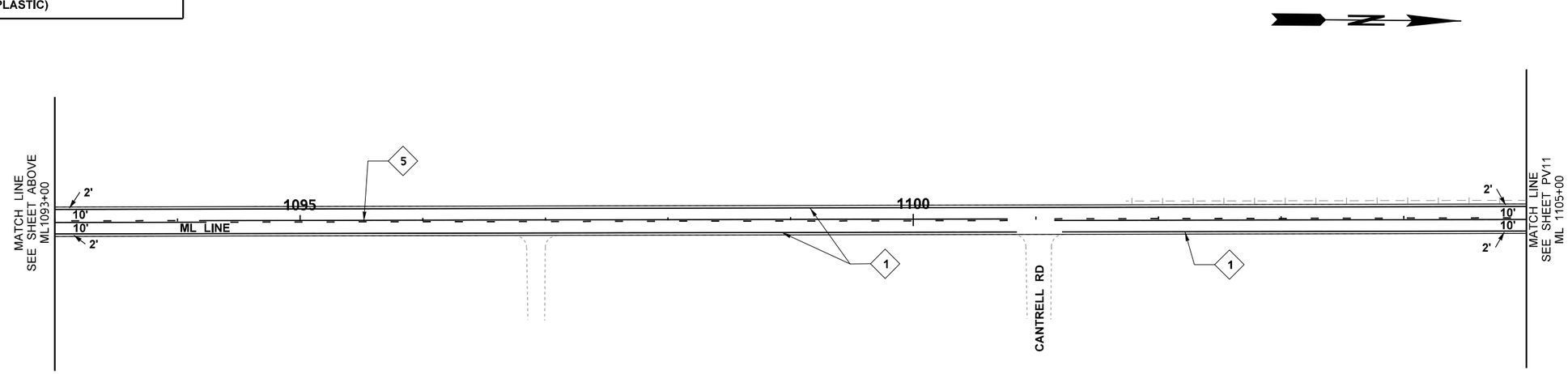
PLAN REF NO
PV9

SHEET 25 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
6. WIDE LANE LINE (DOTTED) (PAINT LINE)
7. STOP LINE (PLASTIC)



LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING EDGE LINE (PAINT)
- EXISTING GUARDRAIL
- EXISTING APPROXIMATE MONUMENT LOCATION
- EDGE LINE WHITE (PAINT)
- NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)

0 50 100
SCALE IN FEET

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TIME	12:10:00 PM					
DATE	4/6/2022					
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER					
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22Y003
CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO
STATE OF WASHINGTON
43221
REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

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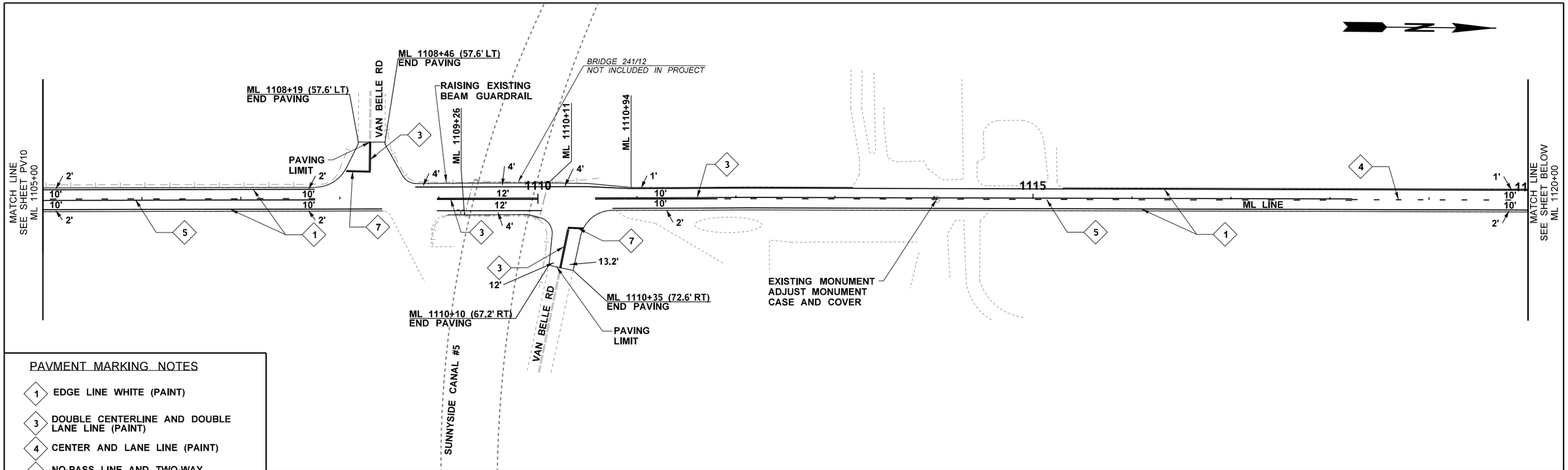
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

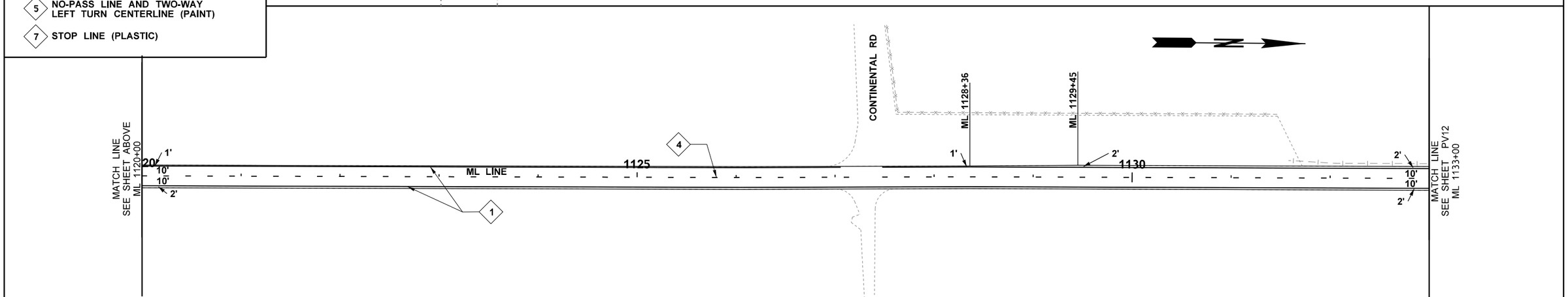
PLAN REF NO
PV10

SHEET 26 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
7. STOP LINE (PLASTIC)



LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING EDGE LINE (PAINT)
- EXISTING CENTER LINE (PAINT)
- EXISTING GUARDRAIL
- EXISTING APPROXIMATE MONUMENT LOCATION
- EXISTING BRIDGE
- EDGE LINE WHITE (PAINT)
- DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
- CENTER AND LANE LINE (PAINT)
- NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)

0 50 100
SCALE IN FEET

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\250-PavIngPlan\XL6416_PS_PV_11.dgn
TIME	12:10:01 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

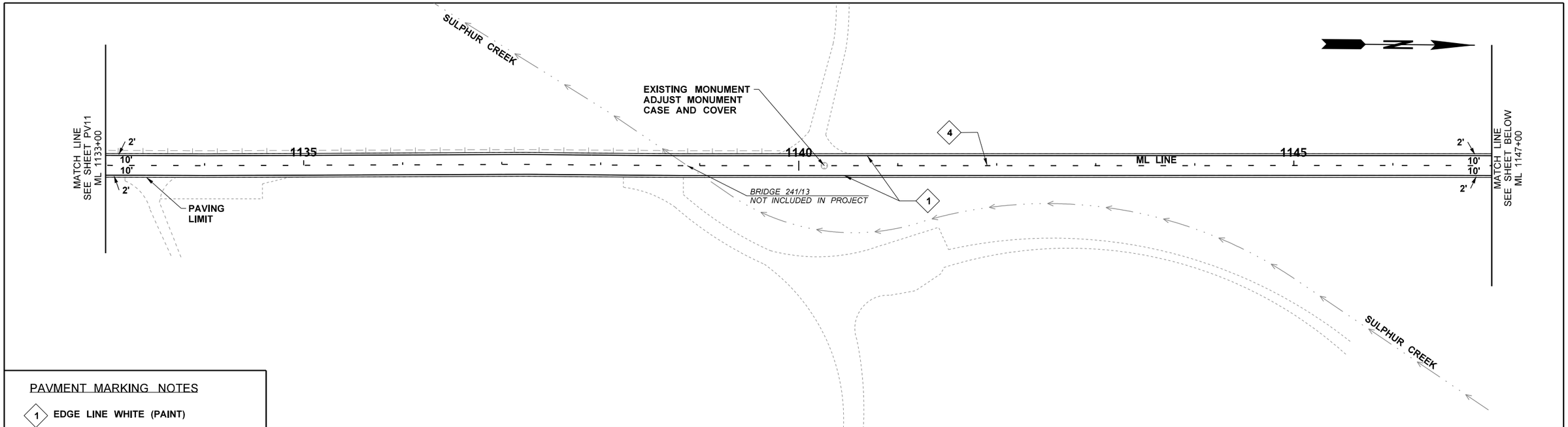
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C -
PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO
PV11

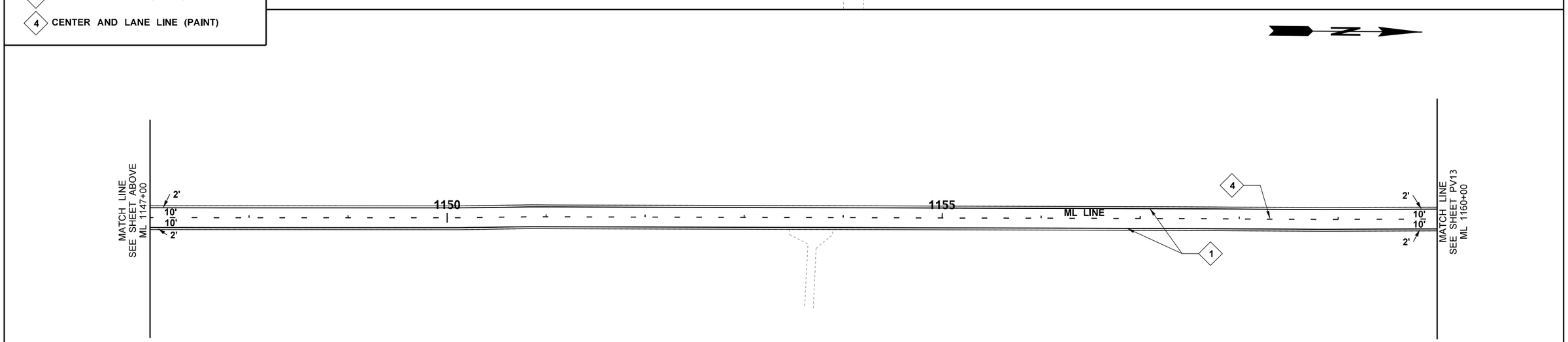
SHEET 27 OF 62 SHEETS



PAVMENT MARKING NOTES

1 EDGE LINE WHITE (PAINT)

4 CENTER AND LANE LINE (PAINT)



LEGEND

- - - - - - - - EXISTING EDGE OF PAVEMENT
- - - - - - - - - - EXISTING EDGE OF GRAVEL
-I— —I— - EXISTING GUARDRAIL
EXISTING APPROXIMATE MONUMENT LOCATION
——— EDGE LINE WHITE (PAINT)
— — CENTER AND LANE LINE (PAINT)

0 50 100
SCALE IN FEET

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\250-PavIngPlan\XL6416_PS_PV_12.dgn						
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DATE	4/6/2022						
PLOTTED BY	WolfPa				JOB NUMBER 22Y003		
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO
STATE OF WASHINGTON
43221
REGISTERED
PROFESSIONAL ENGINEER

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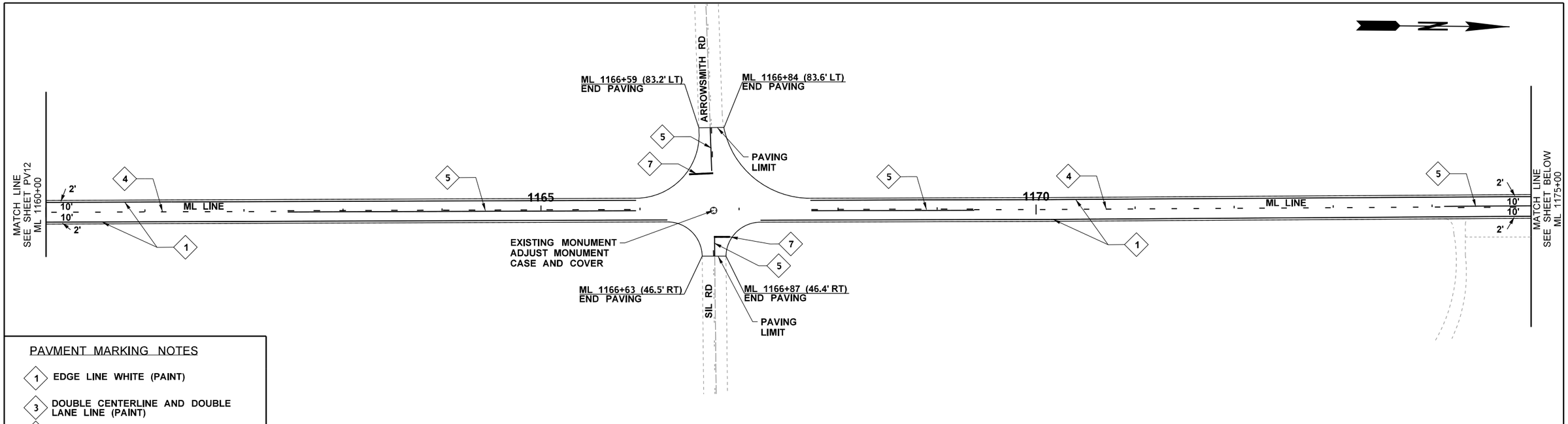
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C -
PAVING

PAVING / PAVEMENT MARKING

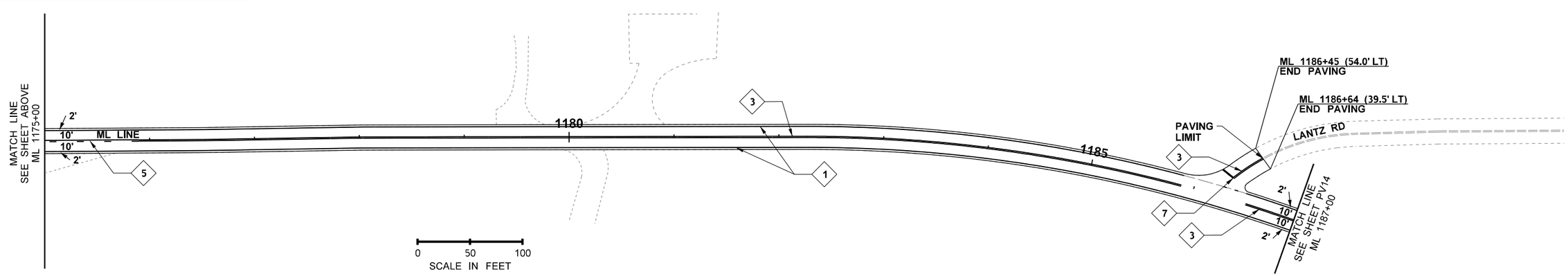
PLAN REF NO
PV12

SHEET
28
OF
62
SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
7. STOP LINE (PLASTIC)



LEGEND

- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING CENTER LINE (PAINT)
- EXISTING APPROXIMATE MONUMENT LOCATION
- EDGE LINE WHITE (PAINT)
- DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
- CENTER AND LANE LINE (PAINT)
- NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\250-PavIngPlan\XL6416_PS_PV_13.dgn
TIME	12:10:02 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO
STATE OF WASHINGTON
43221
REGISTERED
PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

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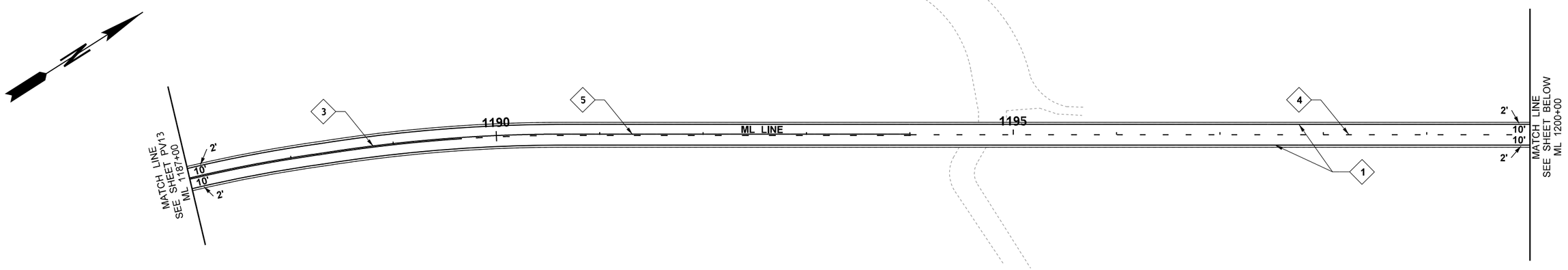
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

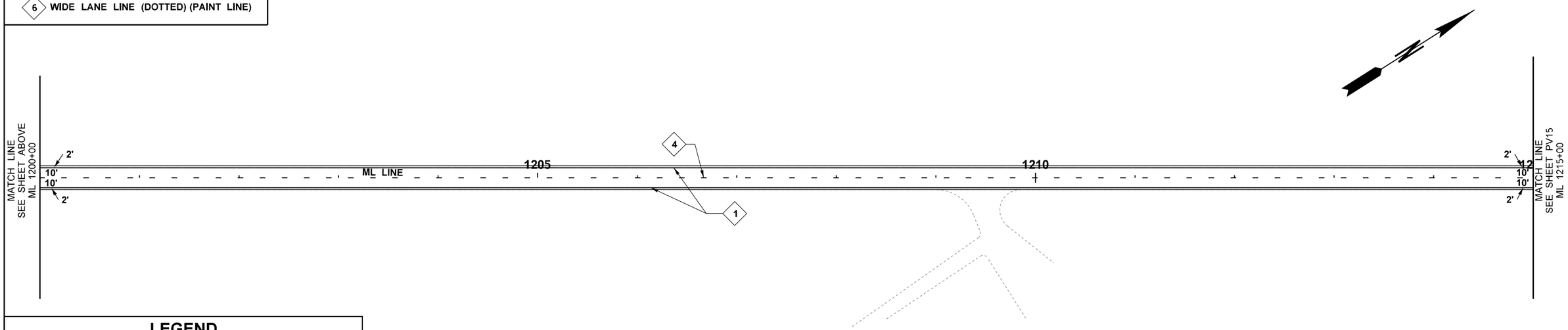
PLAN REF NO
PV13

SHEET 29 OF 62 SHEETS



PAVMENT MARKING NOTES

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
6. WIDE LANE LINE (DOTTED) (PAINT LINE)



LEGEND

- EXISTING EDGE OF GRAVEL
- EDGE LINE WHITE (PAINT)
- DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
- CENTER AND LANE LINE (PAINT)
- NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)

0 50 100
SCALE IN FEET

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\250-PavingPlan\XL6416_PS_PV_14.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	12:10:03 PM				JOB NUMBER 22Y003		
DATE	4/6/2022						
PLOTTED BY	WolfPa						
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 43221

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

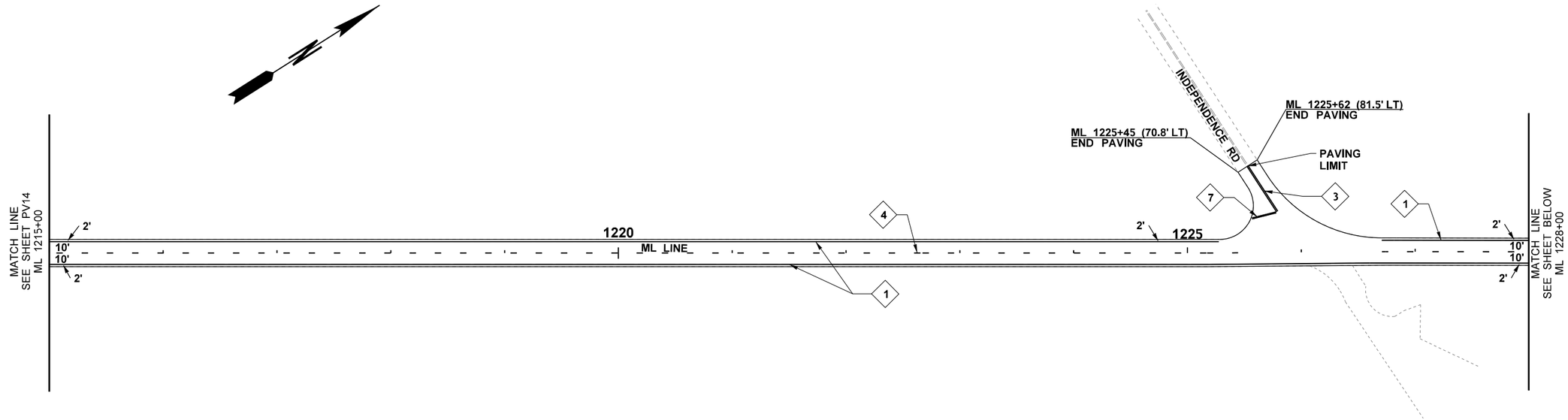
Washington State Department of Transportation

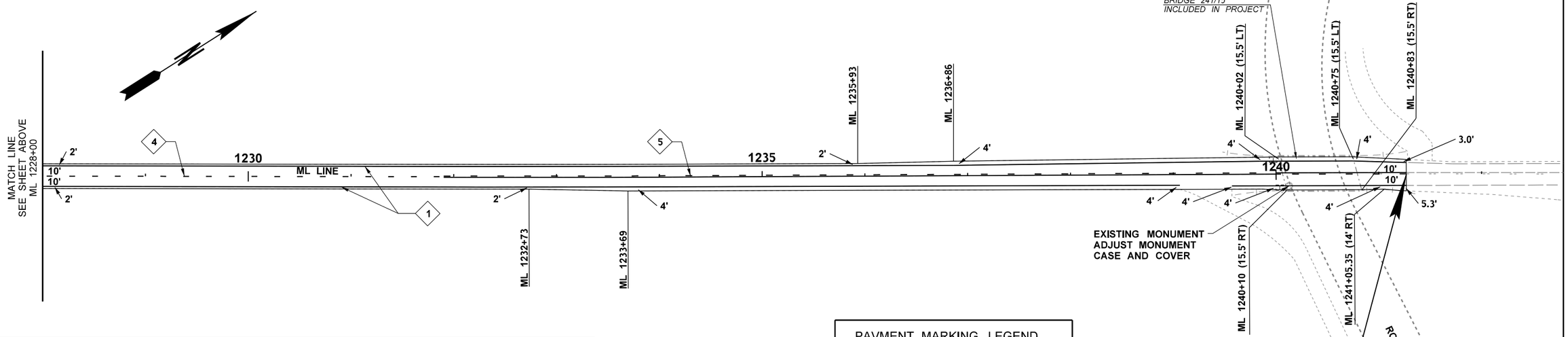
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO
PV14

SHEET 30 OF 62 SHEETS





END CONSTRUCTION
END ML LINE
SR-241 MP 12.72
ML 1241+27 P.O.T.

LEGEND

EXISTING EDGE OF PAVEMENT	EXISTING BRIDGE
EXISTING EDGE OF GRAVEL	EDGE LINE WHITE (PAINT)
EXISTING EDGE LINE (PAINT)	DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
EXISTING CENTER LINE (PAINT)	CENTER AND LANE LINE (PAINT)
EXISTING NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)	NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
EXISTING GUARDRAIL	
EXISTING APPROXIMATE MONUMENT LOCATION	

0 50 100
SCALE IN FEET

PAVMENT MARKING LEGEND

1. EDGE LINE WHITE (PAINT)
3. DOUBLE CENTERLINE AND DOUBLE LANE LINE (PAINT)
4. CENTER AND LANE LINE (PAINT)
5. NO-PASS LINE AND TWO-WAY LEFT TURN CENTERLINE (PAINT)
7. STOP LINE

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnySide\CAD\ContractPlans_Alt\250-PavingPlan\XL6416_PS_PV_15.dgn
TIME	12:10:03 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
43221

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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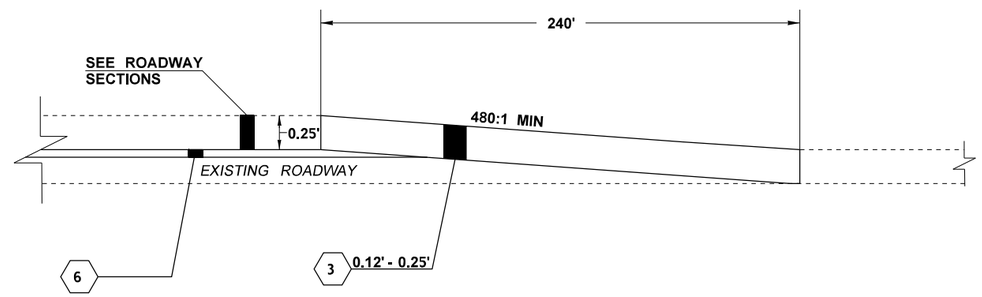
Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C -
PAVING

PAVING / PAVEMENT MARKING

PLAN REF NO
PV15

SHEET
31
OF
62
SHEETS



NOTES

PREVIOUSLY PAVED DURING THIS CONTRACT.
FEATHER LAST 60' TO LEAVE 0.12' BUTT

HMA OVERLAY TRANSITION BUTT JOINT

LINE	STATION	TO	STATION	LOCATION
ML	1009+31		1011+71	BEGIN PROJECT
ML	1106+90		1109+30	BRIDGE 241/12
ML	1110+06		1112+46	BRIDGE 241/12
ML	1237+62		1240+02	BRIDGE 241/15

LEGEND

3 HMA CL. 3/8IN PG 64H-28

6 HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28

TIME	12:10:05 PM			
DATE	4/6/2022			
PLOTTED BY	WolfPa			
DESIGNED BY	H. EILERS			
ENTERED BY	P. WOLF			
CHECKED BY	P. COOPER			
PROJ. ENGR.	A. SANGUINO			
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43221 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

PAVING DETAILS

PLAN REF NO
PVD1

SHEET 32 OF 62 SHEETS

8 PAINT WIDE LANE LINE
STANDARD PLAN M-1.20

STATION	STATION	LENGTH (LF)
GR 22+38	GR 24+10	172
GR 24+55	GR 26+05	150
GR 28+45	GR 30+70	225
TOTAL		550 LF

10 GROOVED PLASTIC WIDE LANE LINE
STANDARD PLAN M-1.20

STATION	STATION	LENGTH (LF)
WL 19+00	WL 24+66	1,134
EF 12+11	EF 15+97	770
WF 21+90	WF 25+51	720
EO 22+55	EO 28+65	1,226
WR 18+85	WR 24+73	1,177
GW 12+60	GW 16+52	783
GE 23+77	GE 29+77	1,200
ER 23+93	ER 27+91	799
TOTAL		7809 LF

6 GROOVED PLASTIC WIDE LANE LINE (DOTTED LANE LINE)
STANDARD PLAN M-1.20

STATION	STATION	LENGTH (LF)
WL 16+00	WL 19+00	200
EO 28+65	EO 31+65	300
WR 15+12	WR 18+85	373
GE 29+77	GE 33+42	370
TOTAL		1243 LF

3 YELLOW PAINT DOUBLE CENTERLINE
STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)
CL 13+00	CL 24+00	1100
GR 22+00	GR 24+06	206
GR 24+55	GR 26+05	150
GR 26+05	GR 28+45	240
GR 28+45	GR 30+70	225
GR 31+20	GR 32+50	130
TOTAL		2200 LF

4 WHITE PAINT LANE LINE
STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)
GW 26+08	GW 28+43	235
GR 22+00	GR 22+38	38
TOTAL		273 LF

1 WHITE PAINT EDGE LINE
STANDARD PLAN M-1.20

STATION	STATION	LENGTH (LF)
WL 10+00	WL 36+88	2696
EF 10+00	EF 28+32	1833
WF 10+11	WF 27+52	1742
EO 10+00	EO 37+66	2814
WR 10+00	WR 37+09	2707
GW 10+50	GW 29+29	1901
ER 10+24	ER 30+00	2064
GE 10+20	GE 39+03	2891
CL 13+00	CL 14+76	175
CL 13+00	CL 14+13	112
CL 15+32	CL 22+05	672
CL 15+32	CL 22+05	672
CL 22+64	CL 24+00	137
CL 22+78	CL 24+00	122
GR 22+00	GR 23+40	128
GR 22+00	GR 23+96	180
GR 24+31	GR 30+79	649
GR 24+46	GR 31+00	654
GR 31+39	GR 32+50	110
GR 31+41	GR 32+50	109
TOTAL		22368 LF

2 YELLOW PAINT EDGE LINE
STANDARD PLAN M-1.20

STATION	STATION	LENGTH (LF)
WL 24+87	WL 36+82	1222
EF 15+99	EF 28+20	1231
WF 10+23	WF 21+85	1174
EO 10+23	EO 22+55	1236
WR 24+73	WR 36+94	1227
GW 16+52	GW 29+11	1262
ER 10+29	ER 23+93	1365
GE 10+33	GE 23+77	1297
CL 15+28	CL 15+33	6
CL 15+28	CL 15+33	6
CL 22+04	CL 22+09	6
CL 22+04	CL 22+10	7
GR 24+27	GR 24+31	9
GR 24+39	GR 24+46	11
GR 30+79	GR 30+86	11
GR 31+00	GR 31+03	9
TOTAL		10079 LF

7 PLASTIC STOP LINE

STATION	LENGTH (LF)
EF 28+13	32
WF 10+29	32
GW 29+18	22
ER 30+10	35
TOTAL	121 LF

NOTE:
SEE SHEET MD3 FOR ADDITIONAL QUANTITIES.

PAINTED DRAINAGE MARKING

STATION	SIDE	QTY
WL 30+78	LT/RT	2
CL 17+64	LT/RT	4
WR 25+95	LT	2
WR 28+37	LT	2
GW 16+52	RT	2
GW 18+44	RT	2
GW 19+68	RT	2
GR 26+58	LT/RT	4
GR 28+68	LT/RT	4
GE 27+42	RT	2
ER 25+87	LT	1
SUBTOTAL		27

NOTE:
SEE SHEET MD3 FOR ADDITIONAL QUANTITIES.

✱ COVER EXISTING MONUMENTS BEFORE FOG SEALING

△ REMOVE AND RESET EXISTING CASE AND COVER

INTERSTATE - 82 INTERCHANGES

TIME	3:41:53 PM
DATE	4/7/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 22Y003
CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

MISCELLANEOUS DETAILS

PLAN REF NO MD1

SHEET 33 OF 62 SHEETS

9 PLASTIC TRAFFIC ARROW

STATION	TYPE 2SL	TYPE 2SR	TYPE 5
EF 25+63			1
EF 27+63			1
WF 10+79			1
WF 12+79			1
GW 24+68			1
GW 26+68			1
GW 26+27			
GW 28+27		1	
GW 28+68		1	1
GR 24+96			
GR 25+86	1		
GR 28+41	1		
GR 28+90	1		
GR 30+16	1		
ER 10+74	1		1
ER 12+74			1
SUBTOTALS	5	2	9
TOTAL			16 EA

LONGITUDINAL JOINT SEAL

STANDARD PLAN A-40.10

STATION	STATION	LENGTH (LF)
WL 10+00	WL 23+00	1300
EF 10+00	EF 14+81	481
EO 24+63	EO 37+66	1303
WF 22+73	WF 27+52	479
WR 10+00	WR 22+97	1297
GW 10+00	GW 15+32	532
GE 26+01	GE 39+03	1302
ER 25+20	ER 30+00	480
TOTAL		7174 LF

EXISTING UTILITIES

MILE POST	TO	MILE POST	DESCRIPTION	AERIAL/BURIED
74.68		74.68	WATER LINE	BURIED
74.70		74.70	POWER CABLE	AERIAL
74.70		74.75	TELECOMMUNICATION FACILITY	AERIAL
74.70		74.70	WATER LINE	BURIED
74.71		74.71	WATER LINE	BURIED

HMA SAWCUT AND SEAL

STANDARD PLAN A40.20 DETAIL 3

STATION	LENGTH (LF)
CL 17+39	55
CL 20+15	55
GR 26+33	55
GR 28+93	55
TOTAL	220 LF

NOTE:
SEE SHEET MD4 FOR ADDITIONAL QUANTITIES.

FLEXIBLE GUIDE POSTS

TYPE W	TYPE Y
180 EACH	140 EACH
TOTAL	320 EACH

REMOVING AND RESETTING MONUMENTS CASE AND COVER

	STATION	LT/RT	QTY	TYPE
△	GE 34+03	8' RT	1	MONUMENT
TOTAL			1	

NOTE:
SEE SHEET MD4 FOR ADDITIONAL QUANTITIES.

INLET PROTECTION

STATION	SIDE	QTY
CL 17+64	LT/RT	2
GR 26+58	LT/RT	2
SUBTOTAL		4

NOTE:
SEE SHEET MD3 FOR ADDITIONAL QUANTITIES.

ADJUST INLET

STATION	SIDE	QTY
CL 17+64	LT/RT	2
GR 26+58	LT/RT	2
SUBTOTAL		4

NOTE:
SEE SHEET MD3 FOR ADDITIONAL QUANTITIES.

✱ COVER EXISTING MONUMENTS BEFORE FOG SEALING

△ REMOVE AND RESET EXISTING CASE AND COVER

INTERSTATE - 82 INTERCHANGES

TIME	3:42:25 PM
DATE	4/7/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

MISCELLANEOUS DETAILS

PLAN REF NO MD2

SHEET 34 OF 62 SHEETS

5 PAINT NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE

STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)	INTERSECTION
ML 1034+45	ML 1037+71	325.8	
ML 1044+78	ML 1051+14	636.3	
ML 1064+27	ML 1069+09	481.8	
ML 1069+09	ML 1076+08	698.9	
ML 1083+09	ML 1087+09	399.9	
ML 1087+91	ML 1094+18	627.0	
ML 1094+18	ML 1100+77	659.3	
ML 1101+15	ML 1107+75	660.0	
ML 1111+81	ML 1118+22	640.8	
ML 1162+44	ML 1165+96	351.8	
ML 1166+73		43.7	(W) ARROWSMITH RD
ML 1167+73	ML 1169+37	164.2	
ML 1174+12	ML 1175+89	177.3	
ML 1189+66	ML 1194+01	434.5	
ML 1231+90	ML 1241+27	936.6	
	TOTAL	7238 LF	

4 YELLOW PAINT DOUBLE CENTERLINE

STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)	INTERSECTION
ML 1009+31	ML 1033+51	2420.5	
ML 1034+06		26.0	(E) E EDISON RD
ML 1034+07		3.0	(W) E EDISON RD
ML 1051+14	ML 1060+17	902.6	
ML 1060+79		76.7	(E) SHELLER RD
ML 1060+76		65.2	(W) SHELLER RD
ML 1061+29	ML 1064+27	297.5	
ML 1108+30		29.3	(W) VAN BELLE RD
ML 1108+98	ML 1110+00	102.0	
ML 1110+58	ML 1111+81	123.7	
ML 1175+89	ML 1185+88	998.3	
ML 1186+33		33.9	LANTZ RD
ML 1186+64	ML 1189+66	302.7	
	TOTAL	5381 LF	

1 WHITE PAINT EDGE LINE

STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)	INTERSECTION
ML 1009+31	ML 1033+60	2429.3	
ML 1033+97		4.9	(SE) E EDISON RD
ML 1034+17		2.1	(NE) E EDISON RD
ML 1034+59	ML 1059+27	2468.0	
ML 1061+24	ML 1087+10	2586.6	
ML 1087+96	ML 1100+84	1288.7	
ML 1101+21	ML 1110+04	883.0	
ML 1110+75	ML 1166+28	5552.4	
ML 1167+22	ML 1241+27	7405.0	
ML 1009+31	ML 1033+51	2420.5	
ML 1034+62	ML 1060+05	2543.5	
ML 1061+41	ML 1107+75	4633.5	
ML 1108+77	ML 1127+06	1828.7	
ML 1127+48	ML 1165+96	3848.0	
ML 1167+72	ML 1185+88	1815.6	
ML 1186+51	ML 1225+28	3876.7	
ML 1226+71	ML 1241+27	1455.9	
	TOTAL	45042 LF	

✱ COVER EXISTING MONUMENTS BEFORE FOG SEALING

△ REMOVE AND RESET EXISTING CASE AND COVER

3 YELLOW PAINT CENTERLINE

STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)
ML 1037+71	ML 1044+78	707.2
ML 1076+08	ML 1083+09	701.4
ML 1118+22	ML 1127+15	892.9
ML 1127+48	ML 1162+44	3496.5
ML 1169+37	ML 1174+12	474.8
ML 1194+01	ML 1225+44	3143.5
ML 1226+71	ML 1231+90	519.3
	TOTAL	9936 LF

CENTERLINE RUMBLE STRIP

STANDARD PLAN M-20.10-03

STATION	STATION	LENGTH (LF)
ML	ML	
ML	ML	
ML	ML	
ML	ML	
ML	ML	
ML	ML	
ML	ML	
ML	ML	
ML	ML	
	TOTAL	4.3 MI

PAINTED DRAINAGE MARKING

STATION	SIDE	QTY
ML 1032+00	RT	1
ML 1240+00	RT	1
ML 1240+00	LT	1
ML 1138+93	LT	1
ML 1138+73	RT	1
SUBTOTAL		5 EA

NOTE:
SEE SHEET MD1 FOR ADDITIONAL QUANTITIES.

FLEXIBLE GUIDE POSTS

TYPE W	TYPE WW
145 EACH	96 EACH
TOTAL	241 EACH

7 PLASTIC STOP LINE

STATION	LENGTH (LF)
ML 1033+97	19
ML 1034+16	20
ML 1060+56	31
ML 1060+88	15
ML 1087+58	11
ML 1108+19	25
ML 1110+38	16
ML 1166+62	24
ML 1166+83	16
ML 1186+27	13
ML 1225+68	22
TOTAL	211 LF

NOTE:
SEE SHEET MD1 FOR ADDITIONAL QUANTITIES.

INLET PROTECTION

STATION	SIDE	QTY
ML 1032+00	RT	1
ML 1240+00	LT/RT	2
SUBTOTAL		3 EA

NOTE:
SEE SHEET MD3 FOR ADDITIONAL QUANTITIES.

ADJUST INLET

STATION	SIDE	QTY
ML 1032+00	RT	1
ML 1240+00	LT/RT	2
SUBTOTAL		3 EA

NOTE:
SEE SHEET MD2 FOR ADDITIONAL QUANTITIES.

SR 241

TIME	3:53:10 PM
DATE	4/7/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

MISCELLANEOUS DETAILS

PLAN REF NO MD3

SHEET 35 OF 62 SHEETS

EXISTING UTILITIES

MILE POST	TO	MILE POST	DESCRIPTION	AERIAL/BURIED
9.30		9.46	TELECOMMUNICATION	BURIED
9.30		9.75	TELECOMMUNICATION	BURIED
9.46		9.46	TELECOMMUNICATION	BURIED
9.46		9.67	TELECOMMUNICATION	BURIED
9.49		9.49	WATER LINE	BURIED
9.67		9.67	TELECOMMUNICATION	BURIED
9.67		9.75	TELECOMMUNICATION	BURIED
9.75		9.75	TELECOMMUNICATION	AERIAL
9.75		9.78	TELECOMMUNICATION	AERIAL
9.75		9.79	TELECOMMUNICATION	AERIAL
9.78		9.82	TELECOMMUNICATION	BURIED
9.79		9.82	TELECOMMUNICATION	BURIED
9.81		9.82	TELECOMMUNICATION	AERIAL
9.82		9.82	TELECOMMUNICATION	BURIED
9.82		9.82	TELECOMMUNICATION	BURIED
9.82		9.93	TELECOMMUNICATION	BURIED
9.82		10.12	TELECOMMUNICATION	BURIED
9.82		10.22	TELECOMMUNICATION	BURIED
9.93		9.93	TELECOMMUNICATION	BURIED
10.12		10.18	TELECOMMUNICATION	BURIED
10.18		10.18	TELECOMMUNICATION	BURIED
10.18		10.22	TELECOMMUNICATION	BURIED
10.22		10.24	TELECOMMUNICATION	BURIED
10.24		10.24	TELECOMMUNICATION	BURIED
10.24		10.24	TELECOMMUNICATION	BURIED
10.24		10.63	TELECOMMUNICATION	BURIED
10.24		10.74	TELECOMMUNICATION	BURIED
10.27		10.28	TELECOMMUNICATION	AERIAL
10.31		10.32	TELECOMMUNICATION	AERIAL
10.55		10.55	POWER	AERIAL
10.63		10.75	TELECOMMUNICATION	BURIED
10.74		10.80	TELECOMMUNICATION	BURIED
10.75		10.80	TELECOMMUNICATION	AERIAL
10.80		11.57	TELECOMMUNICATION	BURIED
10.80		11.31	TELECOMMUNICATION	BURIED
11.31		11.57	TELECOMMUNICATION	BURIED
11.32		11.32	WATER LINE	BURIED
11.32		11.32	WATER LINE	BURIED
11.56		11.56	TELECOMMUNICATION	AERIAL
11.57		11.84	TELECOMMUNICATION	BURIED
11.57		12.13	TELECOMMUNICATION	BURIED
11.84		12.43	TELECOMMUNICATION	BURIED
11.71		11.71	POWER	AERIAL
11.85		11.85	WATER LINE	BURIED
12.43		12.43	TELECOMMUNICATION	BURIED
12.43		12.44	TELECOMMUNICATION	BURIED
12.43		12.46	WATER LINE	BURIED
12.43		12.72	TELECOMMUNICATION	BURIED
12.43		12.77	TELECOMMUNICATION	BURIED
12.68		12.68	TELECOMMUNICATION	AERIAL
12.72		13.06	TELECOMMUNICATION	BURIED
12.72		13.06	TELECOMMUNICATION	BURIED

HMA SAWCUT AND SEAL

STANDARD PLAN A40.20 DETAIL 3

STATION	LENGTH (LF)
ML 1009+30	40
ML 1110+07	40
ML 1240+06	36
ML 1240+79	36
TOTAL	152 LF

NOTE:
SEE SHEET MD2 FOR ADDITIONAL QUANTITIES.

RAISING EXISTING BEAM GUARDRAIL

STANDARD PLAN C-1

STATION	TO STATION	LENGTH (LF)
ML 1108+47	ML 1109+30	140
TOTAL		140 LF

BEAM GUARDRAIL POST

EACH (EA)
30
TOTAL 30 EA

NOTE:
POST LOCATION TO BE DETERMINED BY FIELD ENGINEER

BEAM GUARDRAIL BLOCK

EACH (EA)
30
TOTAL 30 EA

REMOVING AND RESETTING MONUMENTS CASE AND COVER

	EACH (EA)
ML 1019+31.85	1
ML 1034+06.55	1
ML 1060+78.17	1
ML 1087+51.39	1
ML 1114+02.68	1
ML 1140+25.79	1
ML 1166+74.30	1
ML 1240+12.74	1
TOTAL	8 EA

NOTE:
SEE SHEET MD1 FOR ADDITIONAL QUANTITIES.

✱ COVER EXISTING MONUMENTS BEFORE FOG SEALING

△ REMOVE AND RESET EXISTING CASE AND COVER

SR 241

TIME	3:52:36 PM				REGION NO. 10	STATE WASH
DATE	4/7/2022				JOB NUMBER 22Y003	FED.AID PROJ.NO.
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

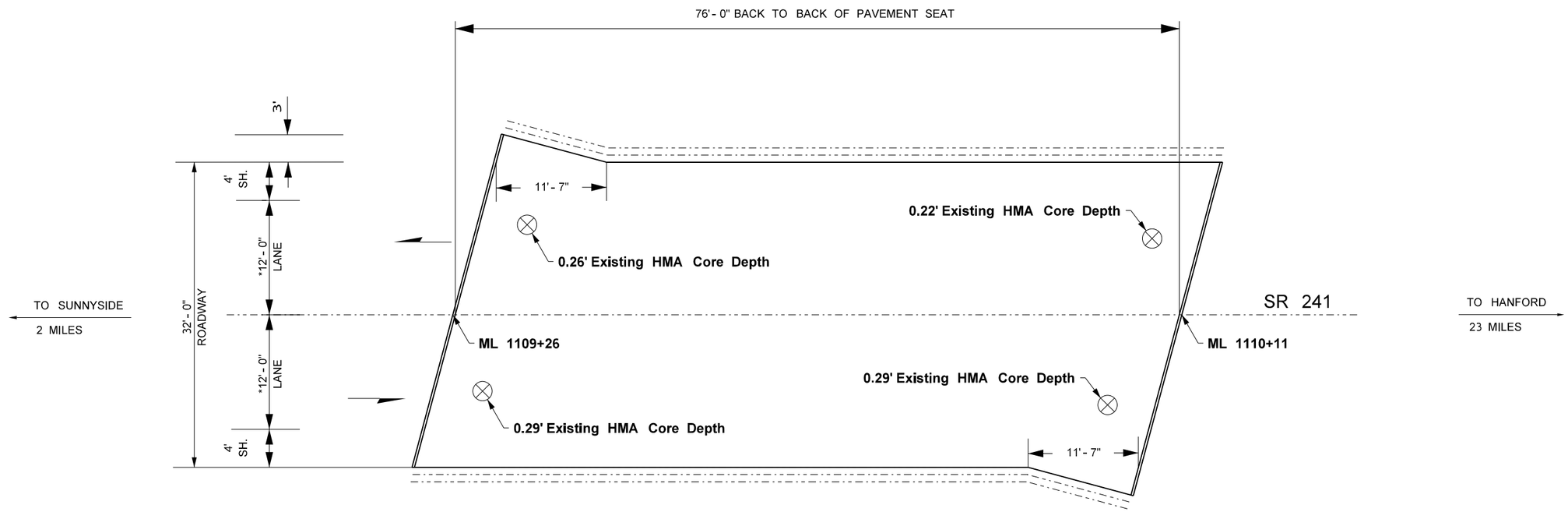
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

MISCELLANEOUS DETAILS

PLAN REF NO MD4

SHEET 36 OF 62 SHEETS

SEC. 19 & 20, T.10N., R23.E., W.M.
YAKIMA COUNTY



BRIDGE 241/12 PLAN

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED 2022, AND AMENDMENTS
2. THE (*) DIMENSIONS SHOWN IN THE PLANS ARE BASED ON ORIGINAL CONSTRUCTION RECORDS. THE (*) DIMENSIONS SHALL BE MEASURED AND VERIFIED IN THE FIELD BY CONTRACTOR PRIOR TO ORDERING MATERIALS.
3. SEE ROADWAY SECTION RS8 FOR DEPTHS AND WATERPROOFING MEMBRANE.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\390-BrIdgeStrPlan\XL6416_PS_BR.dgn			
TIME	9:09:20 AM			
DATE	4/8/2022			
PLOTTED BY	WolfPa			
DESIGNED BY	H. EILERS			
ENTERED BY	P. WOLF			
CHECKED BY	P. COOPER			
PROJ. ENGR.	A. SANGUINO			
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

ALEJANDRO SANGUINO STATE OF WASHINGTON 43272 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

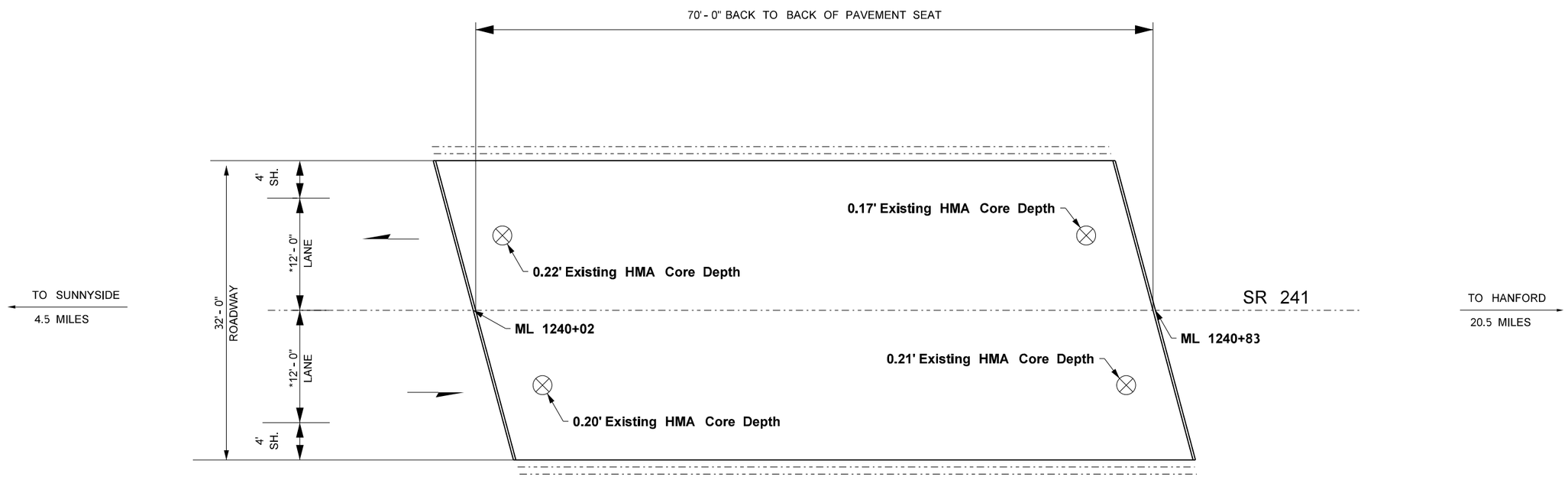
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

BRIDGE PLAN - 241/12

PLAN REF NO BA1

SHEET 37 OF 62 SHEETS

SEC. 5, T.10N., R23.E., W.M.
YAKIMA COUNTY



BRIDGE 241/15 PLAN

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION DATED 2022, AND AMENDMENTS
2. THE (*) DIMENSIONS SHOWN IN THE PLANS ARE BASED ON ORIGINAL CONSTRUCTION RECORDS. THE (*) DIMENSIONS SHALL BE MEASURED AND VERIFIED IN THE FIELD BY CONTRACTOR PRIOR TO ORDERING MATERIALS.
3. SEE ROADWAY SECTION RS8 FOR DEPTHS AND WATERPROOFING MEMBRANE.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\390-BrIdgeStrPlan\XL6416_PS_BR.dgn						
TIME	9:09:50 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/8/2022						
PLOTTED BY	WolfPa				JOB NUMBER 22Y003		
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO — STATE OF WASHINGTON — 43227 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

BRIDGE PLAN - 241/15

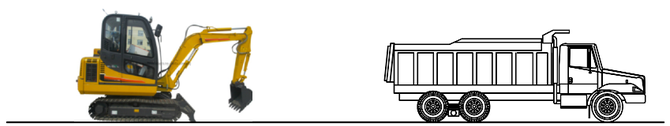
PLAN REF NO BB2

SHEET 38 OF 62 SHEETS

BITUMINOUS PAVEMENT REMOVAL NOTES:

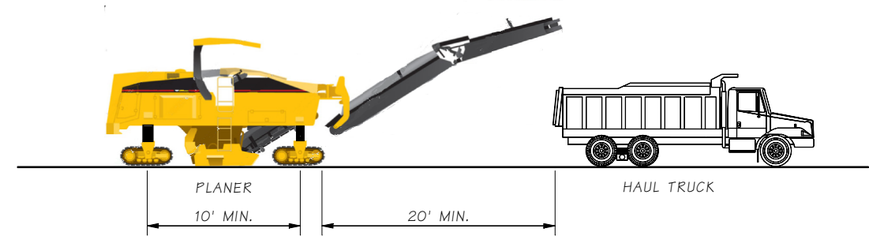
1. DURING BITUMINOUS PAVEMENT REMOVAL WORK ON BRIDGES, CONSTRUCTION LOADS ON THE BRIDGE SHALL BE RESTRICTED TO THE SPECIFIED BITUMINOUS PAVEMENT REMOVAL TRAINS. ONLY ONE REMOVAL TRAIN IS ALLOWED ON A BRIDGE AT A TIME.

2. ALL SPECIFIED MAXIMUM GROSS WEIGHTS ARE THE EQUIPMENTS FULLY LOADED WEIGHT.



BRIDGE NO.	SCRAPER/ NON-ROTARY EQUIPMENT	HAUL TRUCK
	MAX. GROSS WT. (LBS)	MAX. GROSS WT. (LBS)
241/12	34,000	50,000
241/15	34,000	50,000

BITUMINOUS PAVEMENT REMOVAL TRAIN - NO PLANER



BRIDGE NO.	ROTARY MILLIING/ PLANING EQUIPMENT	HAUL TRUCK	FULL DEPTH PLANING ALLOWED?
	MAX. GROSS WT. (LBS)	MAX. GROSS WT. (LBS)	
241/11.2	50,000	50,000	NO
241/12	50,000	50,000	NO
241/15	50,000	50,000	NO

PAVEMENT REMOVAL TRAIN - PLANER

SR ??? FILE NO. Job SHEET BR??

Bridge Design Engr.	Khaleghi, B	M:\W-Team\SR 241 NORTH OF SUNNYSIDE AND I-82 INTERCHANGES - PAVING\Removal.MAN								
Supervisor	ROSA, MA				REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS	
Designed By	PHILLIPS, D 11/21				10	WASH.				
Checked By	ROSA, MA 11/21									
Detailed By	PHILLIPS, D 11/21				JOB NUMBER 22Y003					
Bridge Projects Engr.										
Prelim. Plan By					CONTRACT NO.					
Architect/Specialist		DATE	REVISION	BY	APPD					

P.E. STAMP BOX — MICHAEL A. ROSA, STATE OF WASHINGTON, 43707, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX — BIJAN KHALEGHI, STATE OF WASHINGTON, 27696, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

BRIDGE CONSTR. LOAD RESTRICTION
HMA PAVING

BRIDGE SHEET NO. BP1

SHEET 39 OF 62 SHEETS

Wed Apr 06 15:18:30 2022

BRIDGE HMA PAVING NOTES:

1. DURING HMA PAVING WORK ON BRIDGES, CONSTRUCTION LOADS ON THE BRIDGE SHALL BE RESTRICTED TO THE SPECIFIED HMA PAVING TRAINS. ONLY ONE HMA PAVING TRAIN IS ALLOWED ON A BRIDGE AT A TIME.

2. THE USE OF MTV'S AND/OR WINDROWS IN NOT ALLOWED.

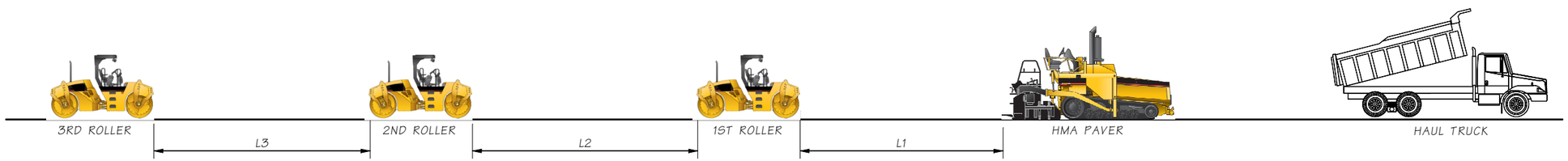
3. HAUL TRUCKS SHALL REMAIN OFF OF BRIDGES MARKED WITH AN ASTERISK (*) UNTIL THE HMA PAVER HOPPER IS NEARLY EMPTY. WHEN THE HMA PAVER HOPPER IS NEARLY EMPTY, THE HAUL TRUCK MAY BACK UP TO THE HMA PAVER AND LOAD THE HOPPER. ONCE THE HOPPER IS LOADED, THE EMPTY HAUL TRUCK SHALL MOVE OFF OF THE BRIDGES MARKED WITH AN ASTERISK (*).

4. ADDITIONAL ROLLERS MAY BE USED BEHIND THE 3RD ROLLER. ADDITIONAL ROLLERS SHALL MEET THE REQUIREMENTS FOR THE 3RD ROLLER, AND SHALL BE SPACED AT LEAST L3 FT. APART.

5. ALL SPECIFIED MAXIMUM GROSS WEIGHTS ARE THE EQUIPMENTS FULLY LOADED WEIGHT. EXAMPLE: THE HMA PAVER WEIGHT = HMA PAVING MACHINE OPERATING WEIGHT + SCREED WEIGHT + WT. OF HMA IN THE HOPPER.

6. WHEN THE CAPACITY OF THE PROPOSED HMA PAVER OR HAUL TRUCK EXCEEDS THE MAXIMUM WEIGHT ALLOWED IN THE HMA PAVING TRAIN, THE CONTRACTOR SHALL SUBMIT A PAVING LOAD CONTROL PLAN TO THE ENGINEER AS TYPE 2 WORKING DRAWINGS. THE PAVING LOAD CONTROL PLAN SHALL INCLUDE CONTRACTOR'S MEANS, METHODS AND QUALITY CONTROL PLAN TO PREVENT THE MAXIMUM EQUIPMENT WEIGHTS FROM BEING EXCEEDED.

7. DISTANCES (L#) IS THE DISTANCE BETWEEN VEHICLE AXLES.



BRIDGE NO.	3RD ROLLER	L3	2ND ROLLER	L2	1ST ROLLER	L1	HMA PAVER	HAUL TRUCK
	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MIN. SPACING	MAX. GROSS VEHICLE WT. (LBS.)	MAX. GROSS VEHICLE WT. (LBS.)
*241/11.2	30,000	20'-0"	30,000	20'-0"	30,000	20'-0"	50,000	50,000
*241/12	30,000	20'-0"	30,000	20'-0"	30,000	20'-0"	50,000	50,000
*241/15	30,000	20'-0"	30,000	20'-0"	30,000	20'-0"	50,000	50,000

HMA PAVING TRAIN

SR ??? FILE NO. Job SHEET BR??

Bridge Design Engr.	Khaleghi, B	
Supervisor	ROSA, MA	
Designed By	PHILLIPS, D	11/21
Checked By	ROSA, MA	11/21
Detailed By	PHILLIPS, D	11/21
Bridge Projects Engr.		
Prelim. Plan By		
Architect/Specialist		

M:\W-Team\SR 241 NORTH OF SUNNYSIDE AND I-82 INTERCHANGES - PAVING\Paving.MAN

DATE	REVISION	BY	APP'D

REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
10	WASH.			

JOB NUMBER 22Y003

CONTRACT NO.

P.E. STAMP BOX — MICHAEL A. ROSA — STATE OF WASHINGTON — 48707 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE

BRIDGE AND STRUCTURES OFFICE

P.E. STAMP BOX — BIJAN KHALEGHI — STATE OF WASHINGTON — 27000 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER — SEE SHEET CT1 — DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

BRIDGE CONSTR. LOAD RESTRICTION
HMA PAVING

BRIDGE SHEET NO. BP2

SHEET 40 OF 62 SHEETS

Wed Apr 06 15:18:58 2022

(A) 3 REQUIRED

60"
ROAD WORK
NEXT 6 MILES
24"
G20-1

(B) 6 REQUIRED

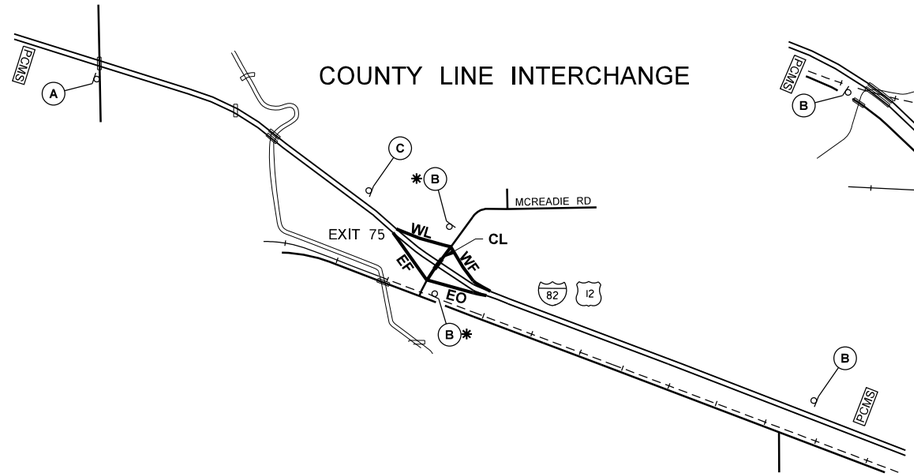
48"
ROAD
WORK
AHEAD
48"
W20-1

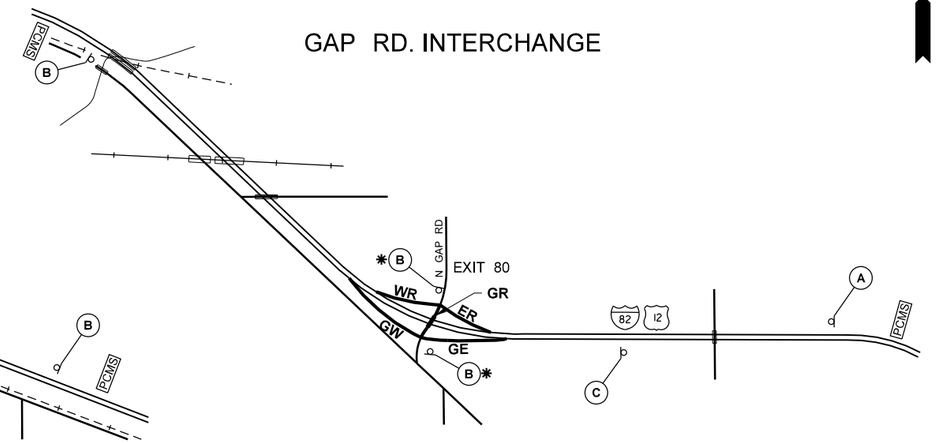
(C) 4 REQUIRED

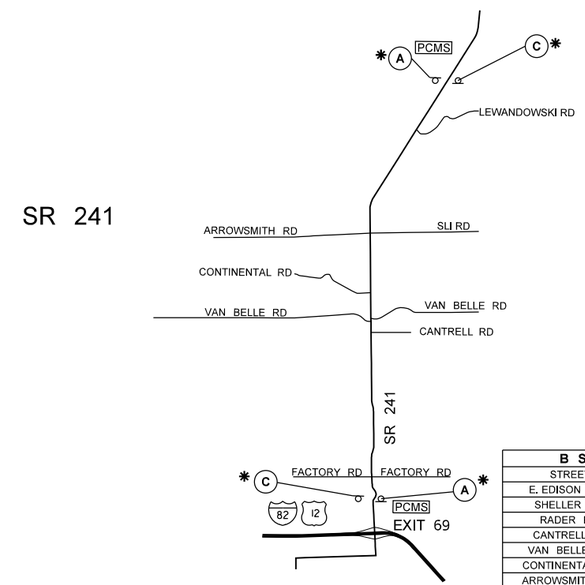
48"
END
ROAD WORK
24"
G20-2A

PCMS 6 REQUIRED

72"
PORTABLE
CHANGEABLE
MESSAGE
SIGN
60"







B SIGNS LOCATIONS	
STREET	# OF SIGNS
E. EDISON AVE.	2
SHELLER RD.	2
RADER RD.	1
CANTRELL RD	1
VAN BELLE RD.	2
CONTINENTAL RD.	1
ARROWSMITH RD.	1
SLI RD.	1
LANTZ RD.	1
INDEPENDENCE RD.	1

SIGN SPACING		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ± (OR AS PER MUTCD)
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.

NOTES:
1. SIGNS SHALL BE GATED UNLESS OTHERWISE NOTED.
2. ALL SIGNS SHOWN ARE CLASS A.
3. THE PCMS SHALL BE REQUIRED DURING ALL HOURS THAT THERE IS TRAFFIC CONTROL OR AS DIRECTED BY THE ENGINEER.
4. CLASS A SIGNING SHALL BE PLACED TO ACCOMMODATE CLASS B SIGN SPACING.

PCMS FIELD LOCATE AS DIRECTED BY THE ENGINEER. MESSAGE DISPLAYED WILL ALSO BE AS DIRECTED BY THE ENGINEER.

* NOT GATED

TIME	10:36:40 AM
DATE	4/7/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

CLASS A SIGNING

PLAN REF NO CA1

SHEET 41 OF 62 SHEETS

(A) 6 REQUIRED	(D) 6 REQUIRED
RAMP CLOSED AHEAD (48" x 48") — W20-1 (ALT) 48"X48"	DETOUR ← — M4-9L
(B) 6 REQUIRED	**(E) 4 REQUIRED**
DETOUR AHEAD (48" x 48") — W20-2 48"X48"	END DETOUR (18" x 24") — M4-8a
(C) 12 REQUIRED	
DETOUR → — M4-9R	

LEGEND

WORKZONE

SIGN SPACING

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'± (OR AS PER MUTCD)
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)

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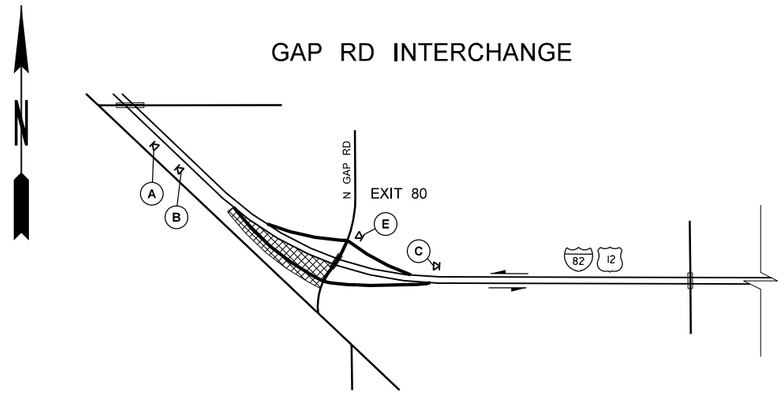
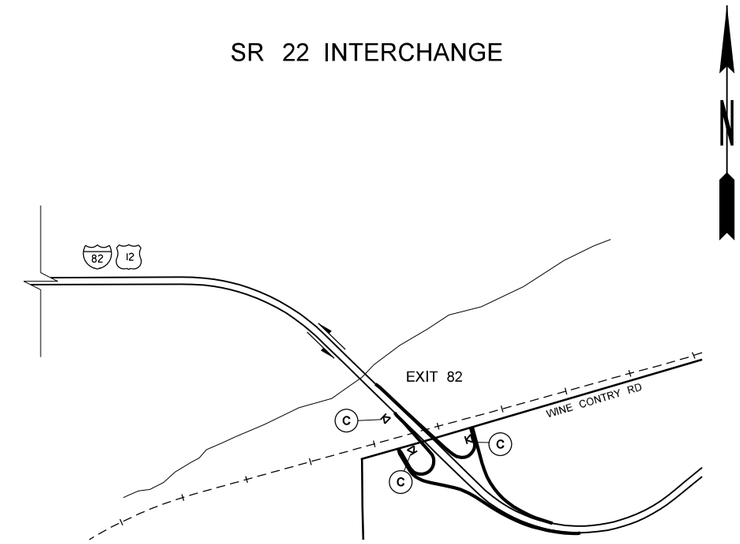
GAP RD INTERCHANGE

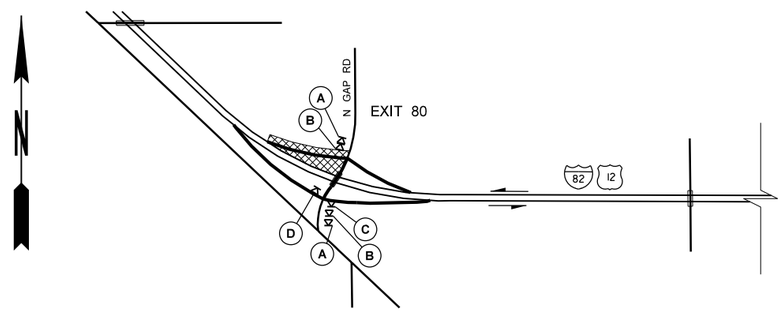


SR 22 INTERCHANGE

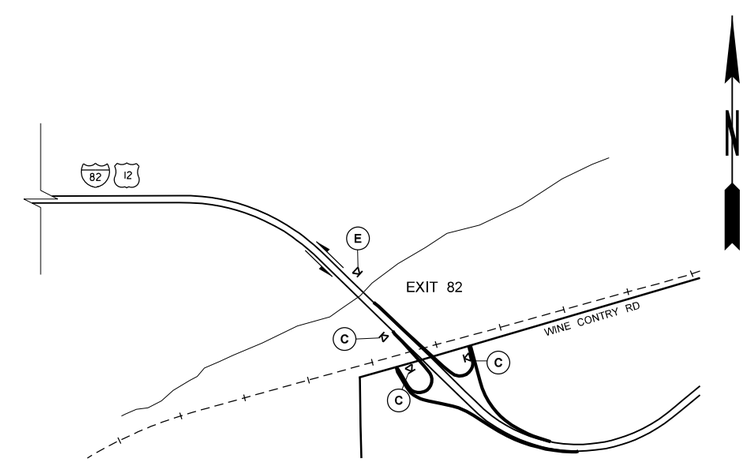


EASTBOUND OFF-RAMP CLOSURE

GAP RD INTERCHANGE



SR 22 INTERCHANGE



WESTBOUND ON-RAMP CLOSURE

TIME	12:10:11 PM				REGION NO. 10	STATE WASH
DATE	4/6/2022				JOB NUMBER 22Y003	FED.AID PROJ.NO.
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

I-82 GAP ROAD INTERCHANGE
DETOUR FOR RAMP CLOSURE

PLAN REF NO D1

SHEET 42 OF 62 SHEETS

(A) 6 REQUIRED	(D) 6 REQUIRED
W20-1 (ALT) 48"X48"	M4-9L
(B) 6 REQUIRED	(E) 4 REQUIRED
W20-2 48"X48"	M4-8a
(C) 12 REQUIRED	
M4-9R	

LEGEND

WORKZONE

SIGN SPACING

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'± (OR AS PER MUTCD)
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)

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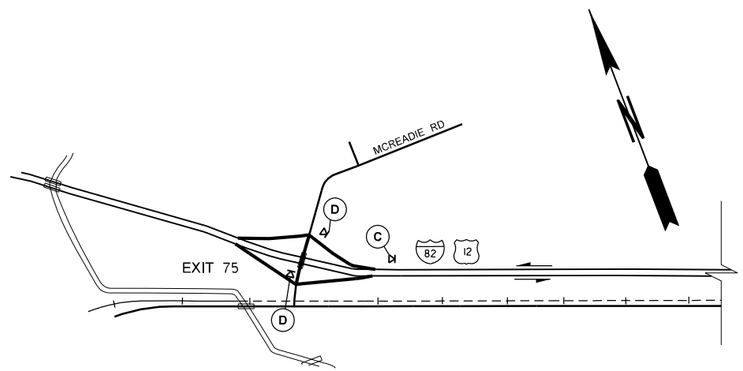
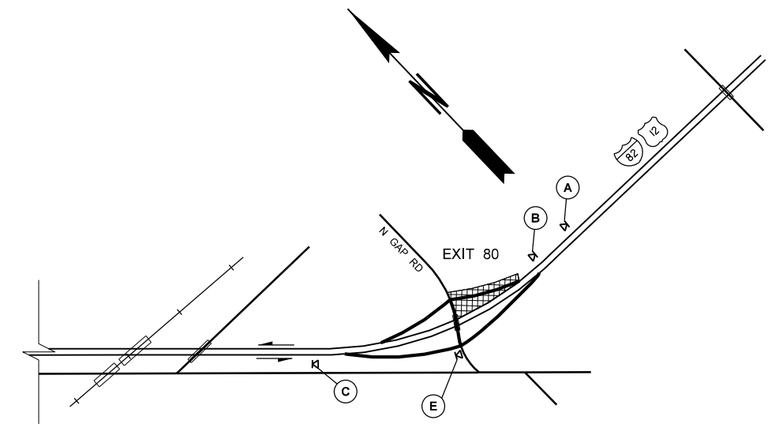
COUNTY LINE RD INTERCHANGE

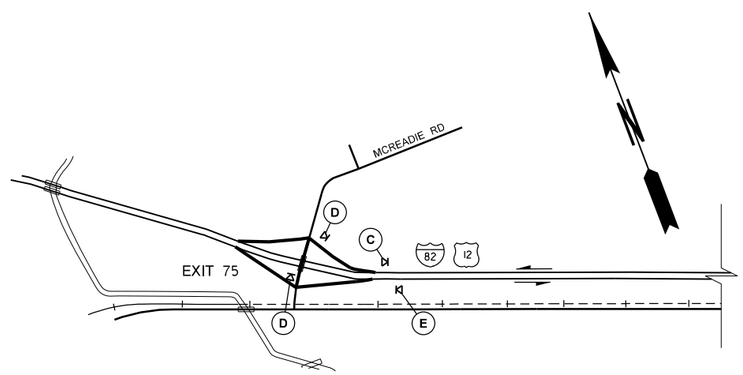


GAP RD INTERCHANGE

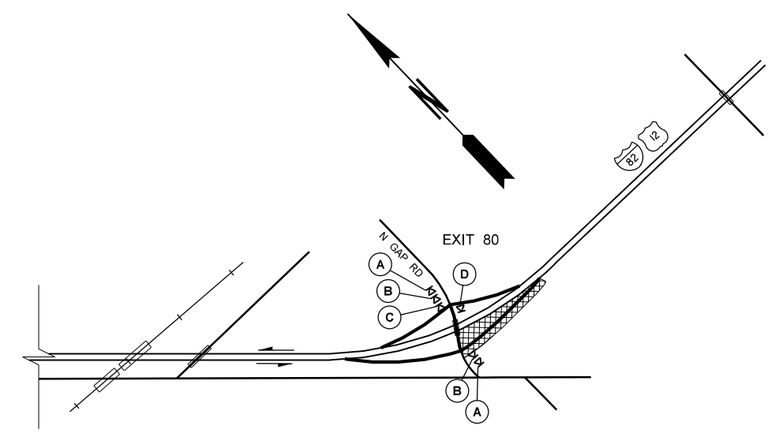


WESTBOUND OFF-RAMP CLOSURE

COUNTY LINE RD INTERCHANGE



GAP RD INTERCHANGE



EASTBOUND ON-RAMP CLOSURE

TIME	12:10:12 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022				JOB NUMBER 22Y003		
PLOTTED BY	WolfPa						
DESIGNED BY	H. EILERS						
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

I-82 GAP ROAD INTERCHANGE
DETOUR FOR RAMP CLOSURE

PLAN REF NO D2

SHEET 43 OF 62 SHEETS

(A) 6 REQUIRED	(D) 10 REQUIRED
RAMP CLOSED AHEAD (48" x 48") — W20-1 (ALT) 48"X48"	DETOUR ← — M4-9L
(B) 6 REQUIRED	**(E) 4 REQUIRED**
DETOUR AHEAD (48" x 48") — W20-2 48"X48"	END DETOUR (18" x 24") — M4-8a
(C) 8 REQUIRED	
DETOUR → — M4-9R	

LEGEND

WORKZONE

SIGN SPACING

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'± (OR AS PER MUTCD)
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)
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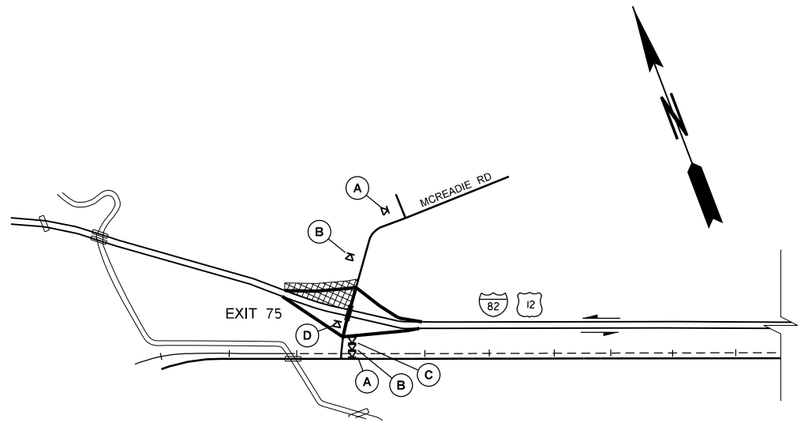
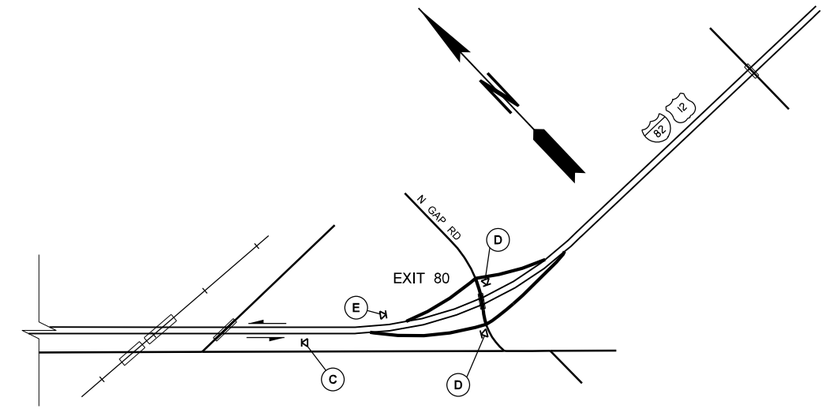
COUNTY LINE RD INTERCHANGE

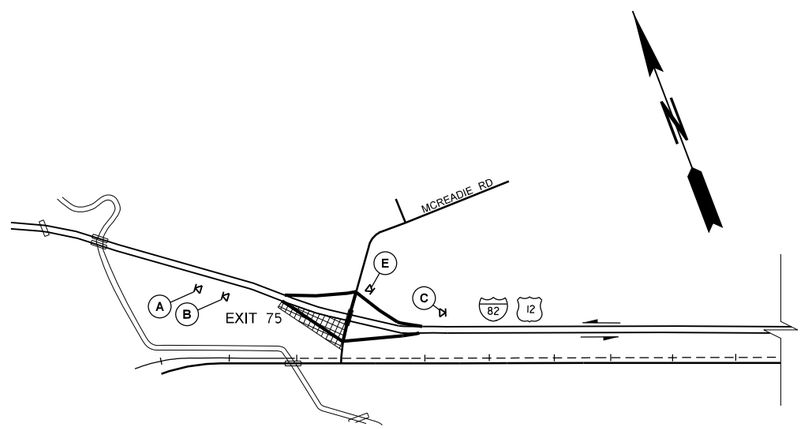


GAP RD INTERCHANGE

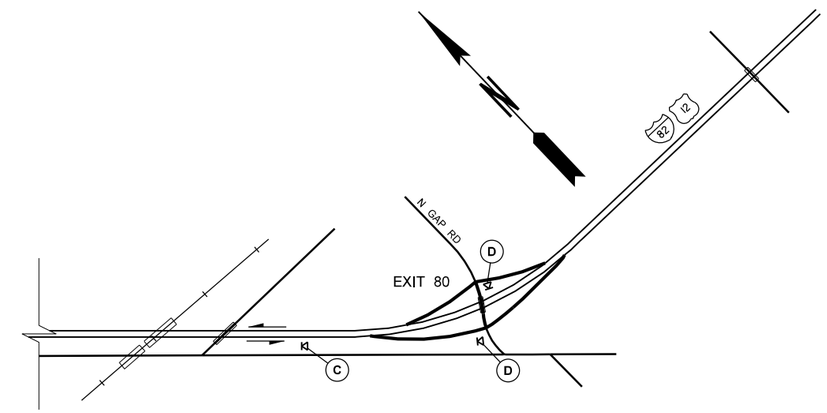


WESTBOUND ON-RAMP CLOSURE

COUNTY LINE RD INTERCHANGE



GAP RD INTERCHANGE



EASTBOUND OFF-RAMP CLOSURE

TIME	12:10:18 PM				REGION NO. 10	STATE WASH
DATE	4/6/2022				JOB NUMBER 22Y003	FED.AID PROJ.NO.
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

I-82 COUNTY LINE INTERCHANGE DETOUR FOR RAMP CLOSURE

PLAN REF NO D3

SHEET 44 OF 62 SHEETS

(A) 6 REQUIRED	(D) 10 REQUIRED
RAMP CLOSED AHEAD (48" x 48") — W20-1 (ALT) 48"X48"	DETOUR ← — M4-9L
(B) 6 REQUIRED	**(E) 4 REQUIRED**
DETOUR AHEAD (48" x 48") — W20-2 48"X48"	END DETOUR (18" x 24") — M4-8a
(C) 8 REQUIRED	
DETOUR → — M4-9R	

LEGEND

WORKZONE

SIGN SPACING

FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'± (OR AS PER MUTCD)
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)

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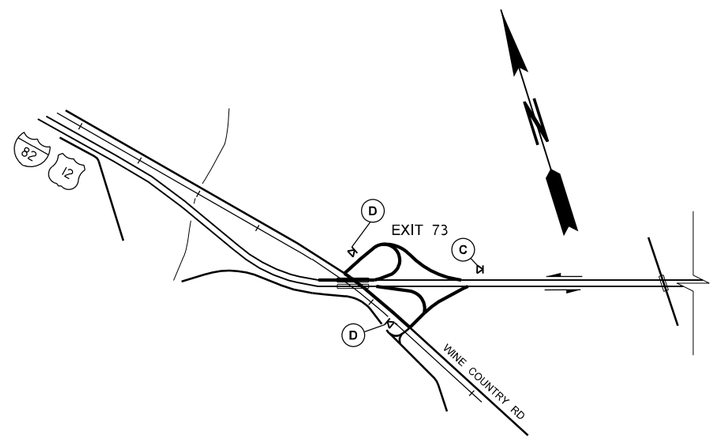
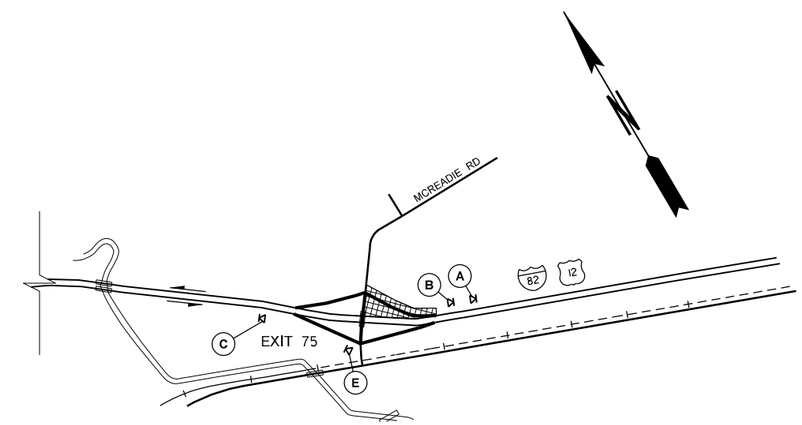
WINE COUNTY RD INTERCHANGE

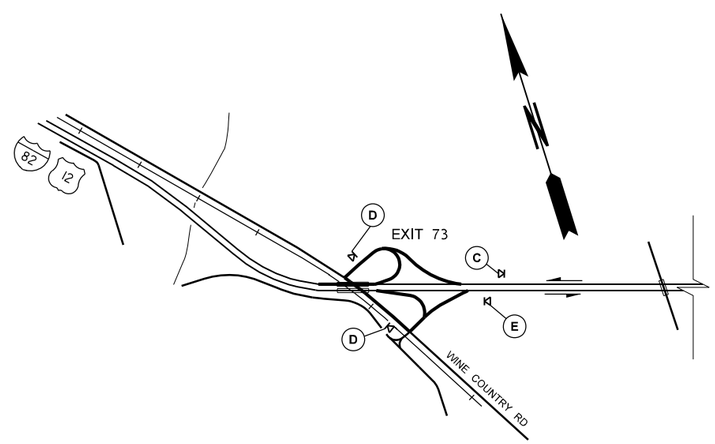


COUNTY LINE RD INTERCHANGE

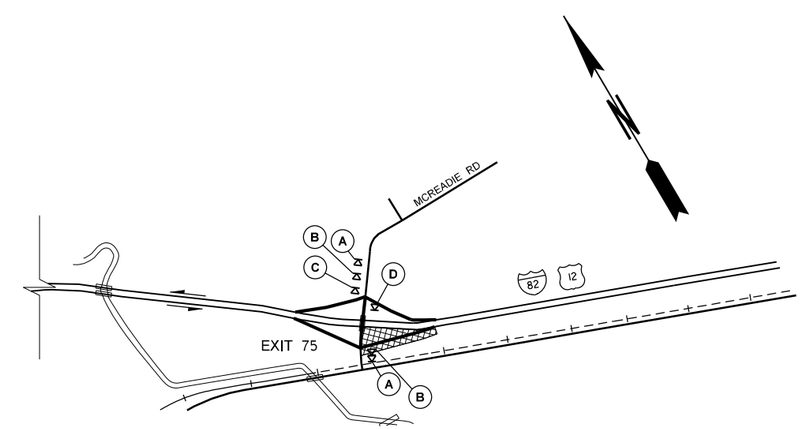


WESTBOUND OFF-RAMP CLOSURE

WINE COUNTY RD INTERCHANGE



COUNTY LINE RD INTERCHANGE



EASTBOUND ON-RAMP CLOSURE

TIME	12:10:19 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022				JOB NUMBER 22Y003	
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

I-82 COUNTY LINE INTERCHANGE DETOUR FOR RAMP CLOSURE

PLAN REF NO D4

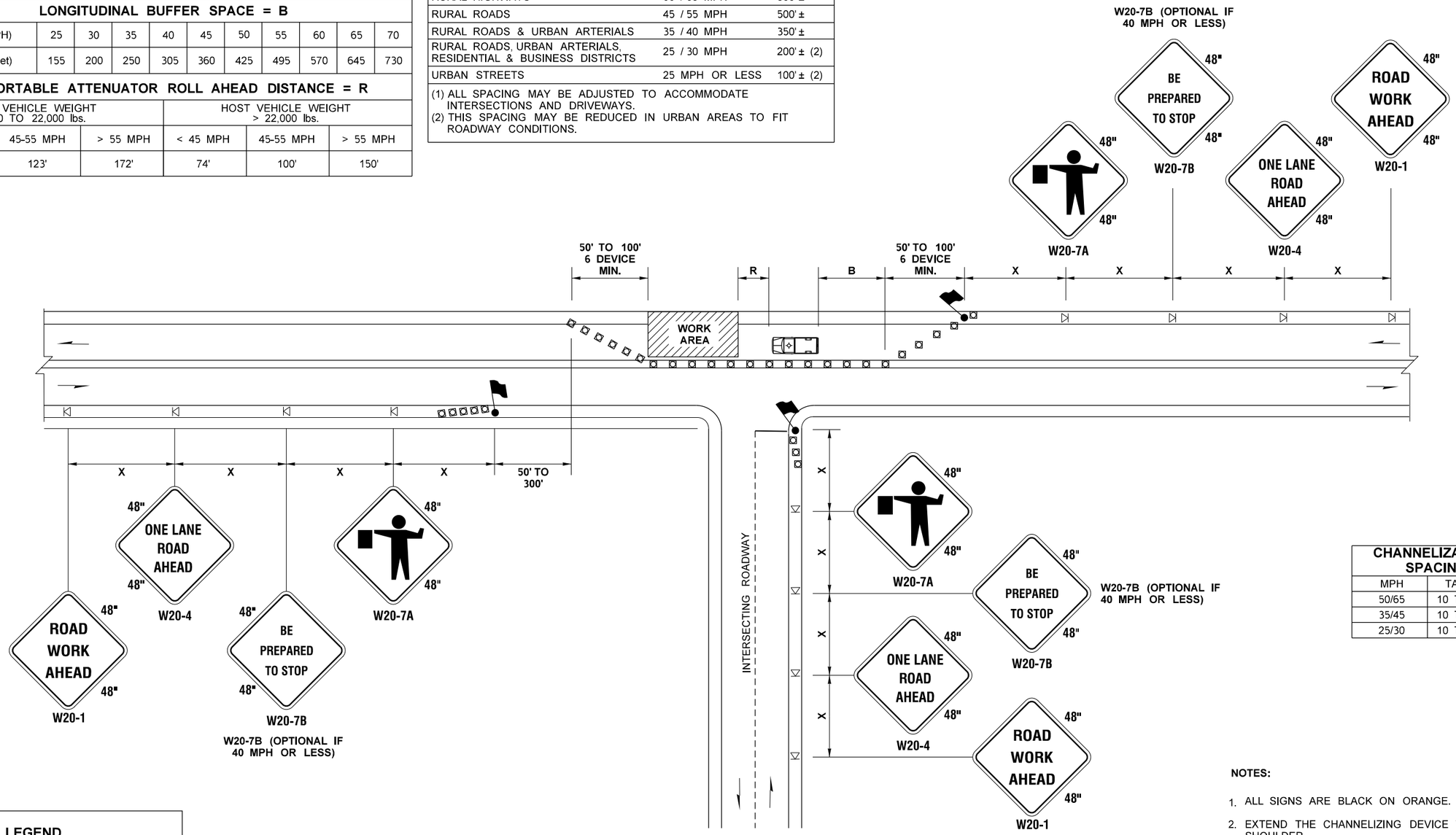
SHEET 45 OF 62 SHEETS

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'

SIGN SPACING = X (1)		
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 INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

LEGEND

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

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

NOTES:

1. ALL SIGNS ARE BLACK ON ORANGE.
2. EXTEND THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn						
TIME	12:10:20 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022						
PLOTTED BY	WolfPa						
DESIGNED BY	H. EILERS				JOB NUMBER 22Y003		
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 1
PLAN REF NO
TC1
SHEET 46 OF 62 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	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.
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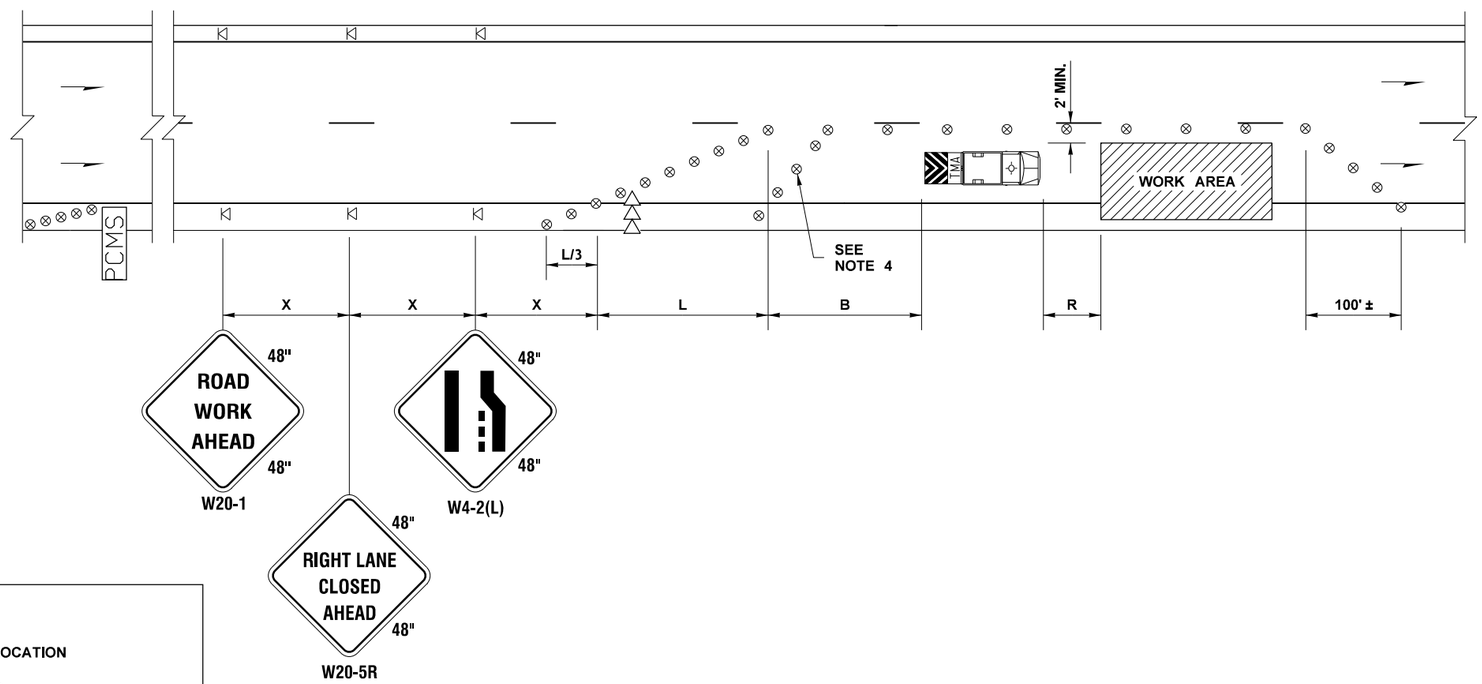
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

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 CLOSED	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).
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
6. ALL SIGNS ARE BLACK ON ORANGE.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn					
TIME	12:10:20 PM					
DATE	4/6/2022					
PLOTTED BY	WolfPa					
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER					
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 2

PLAN REF NO TC2

SHEET 47 OF 62 SHEETS

SIGN SPACING = X (1)		
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 INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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	-	-	-	-	-	-
10'	40	60	90	90	-	-	-	-	-	-

USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'

CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
35/40	30	60
25/30	20	40

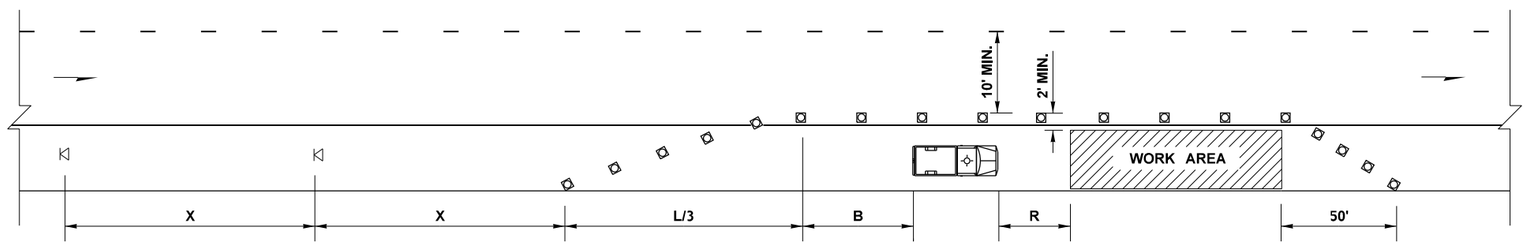
BUFFER DATA

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'



W20-1

W21-5

LEGEND

- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE

SHOULDER CLOSURE - LOW SPEED

(40 MPH OR LESS)

NOT TO SCALE

NOTES:

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
2. ALL SIGNS ARE BLACK ON ORANGE.

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DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
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Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 3
PLAN REF NO TC3
SHEET 48 OF 62 SHEETS

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.		

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'.										

CHANNELIZATION DEVICE SPACING (feet)

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

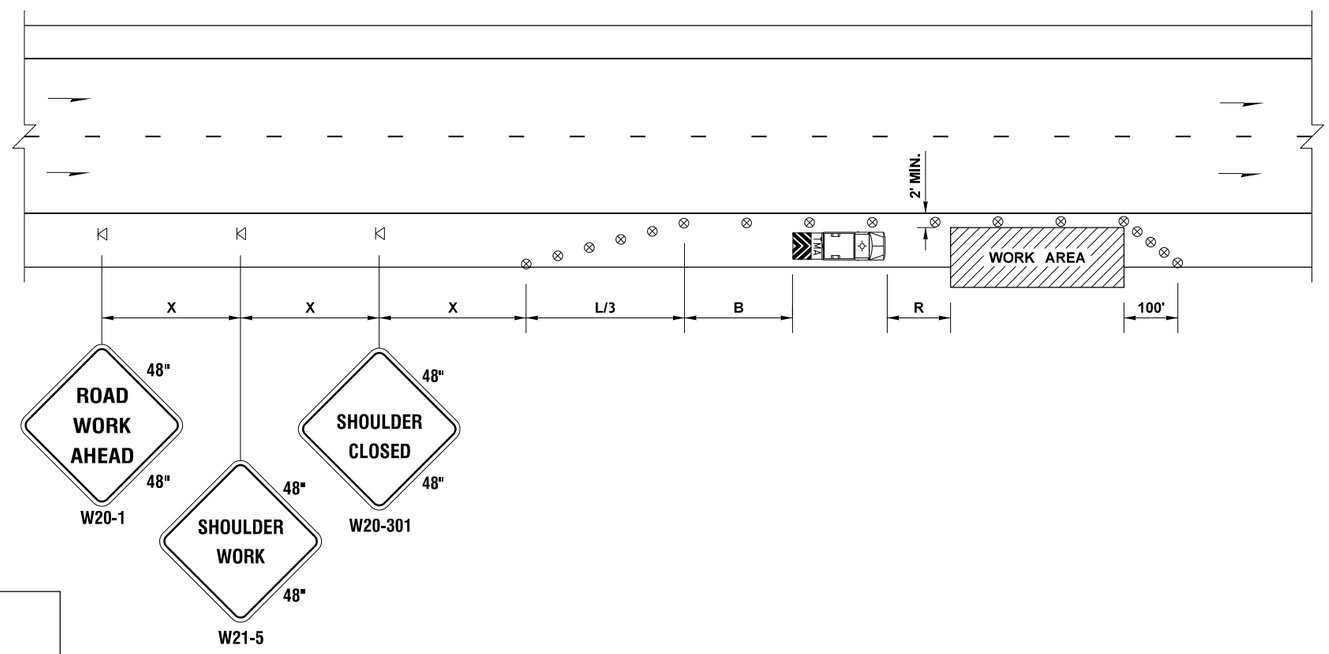
BUFFER DATA

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.

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DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
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Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 4

PLAN REF NO TC4

SHEET 49 OF 62 SHEETS

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

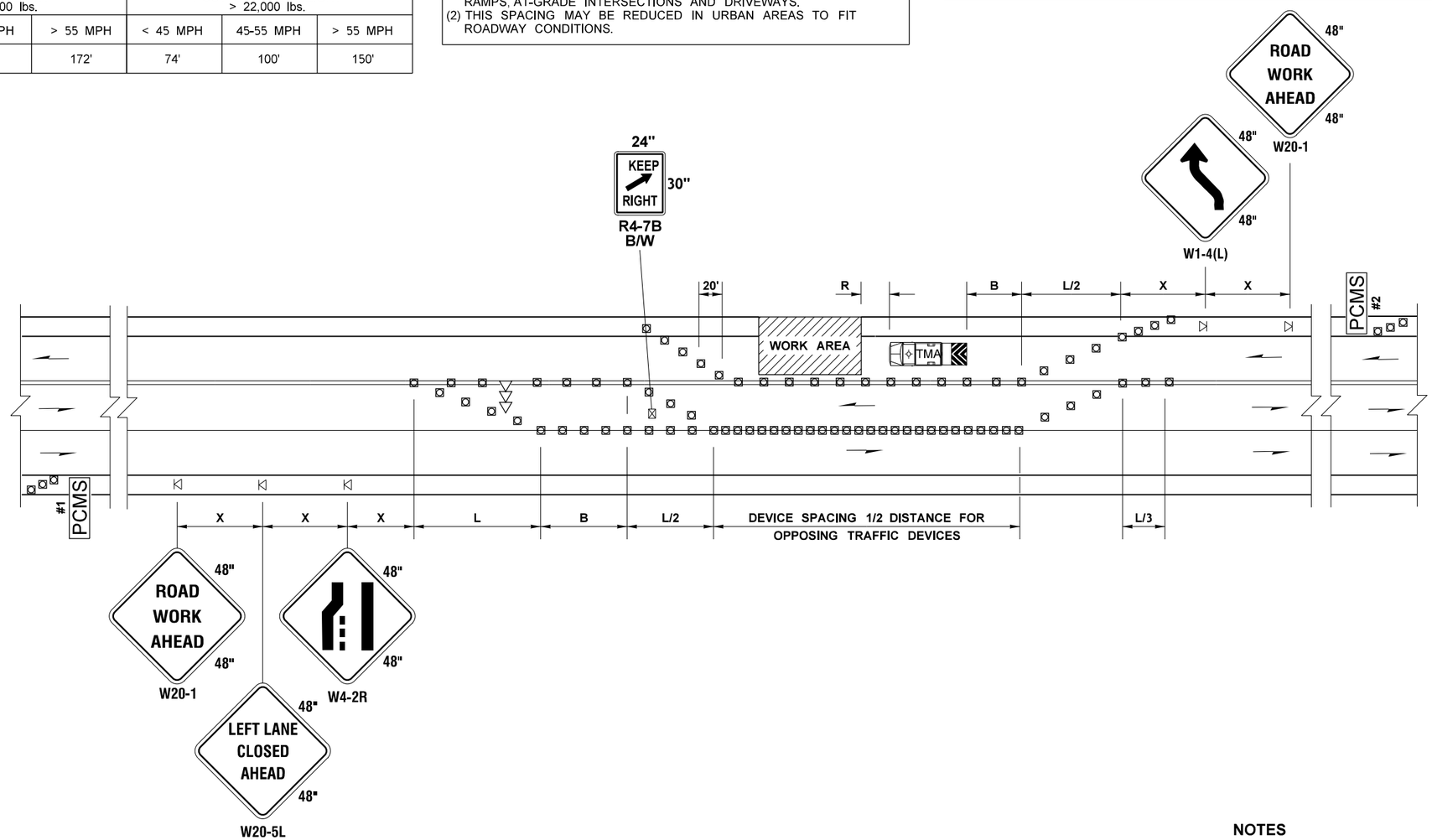
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

SIGN SPACING = X (1)		
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.

MINIMUM 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	-

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



PCMS #1	
1	2
LEFT LANE CLOSED	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

PCMS #2	
1	2
LANE SHIFTS LEFT	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- TMA TRANSPORTABLE ATTENUATOR
- ⊳ TEMPORARY SIGN LOCATION
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- ▷▷▷ SEQUENTIAL ARROW SIGN
- ⊠ TEMPORARY SIGN LOCATION (5' (FT) MOUNTING HEIGHT)

LANE SHIFT - THREE LANE ROADWAY

NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
2. FOR SPEED LIMIT OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
3. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

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DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
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PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

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SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

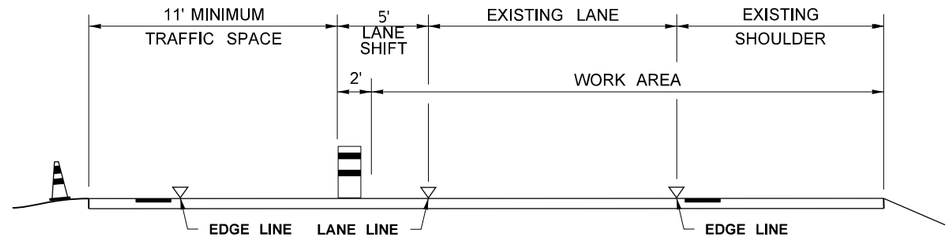
Plot 5

PLAN REF NO TC5

SHEET 50 OF 62 SHEETS

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH plus 5' shift	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
17'	-	-	-	-	760	880	960	1040	1120	1160

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'.										

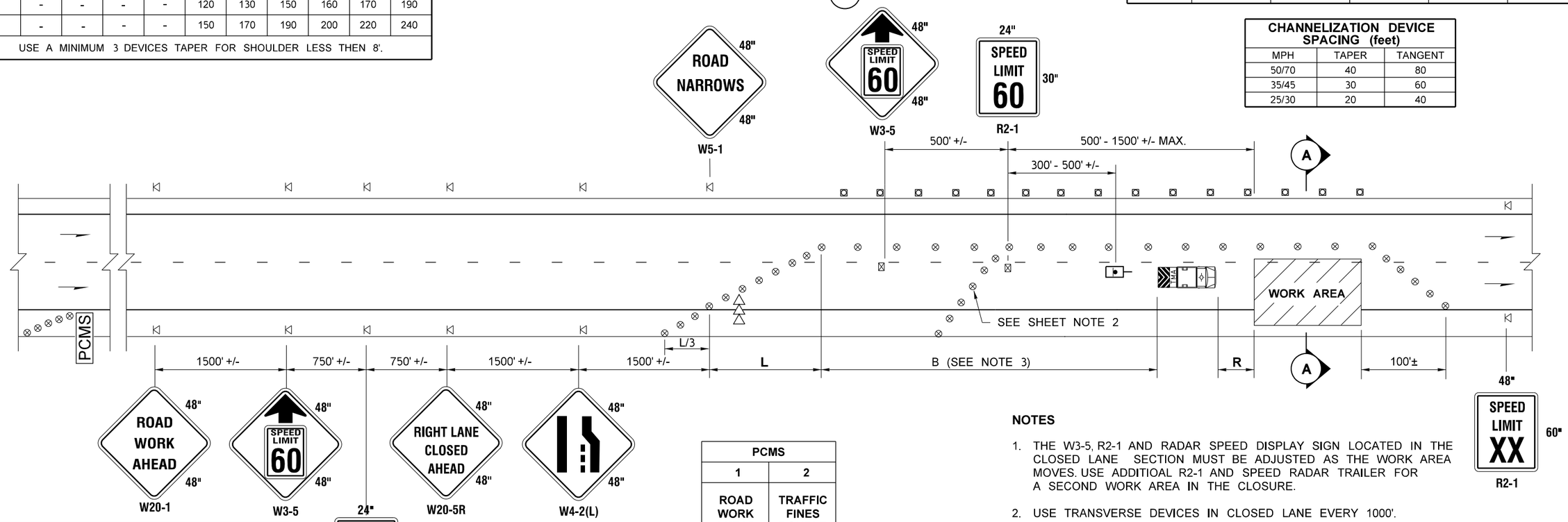


TYPICAL SECTION (A-A)

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'

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



PCMS	
1	2
ROAD WORK AHEAD	TRAFFIC FINES DOUBLE
2.0 SEC	2.0 SEC

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

LEGEND

- TEMPORARY SIGN LOCATION
- TEMPORARY SIGN LOCATION 5' MOUNTING
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- RADAR SPEED DISPLAY SIGN
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN

NOTES

1. THE W3-5, R2-1 AND RADAR SPEED DISPLAY SIGN LOCATED IN THE CLOSED LANE SECTION MUST BE ADJUSTED AS THE WORK AREA MOVES. USE ADDITIOAL R2-1 AND SPEED RADAR TRAILER FOR A SECOND WORK AREA IN THE CLOSURE.
2. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'.
3. THE MINIMUM BUFFER SPACE REQUIRED IF SPEED REDUCTION SIGNING NOT USED.
4. RECOMMEND ADVANCE NOTICE FOR ANY OVERWIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTION.

FREEWAY RIGHT LANE CLOSURE WITH SHIFT (INCLUDING APPROVED SPEED LIMIT REDUCTION SIGNING)

NOT TO SCALE

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ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

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SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 6

PLAN REF NO TC6

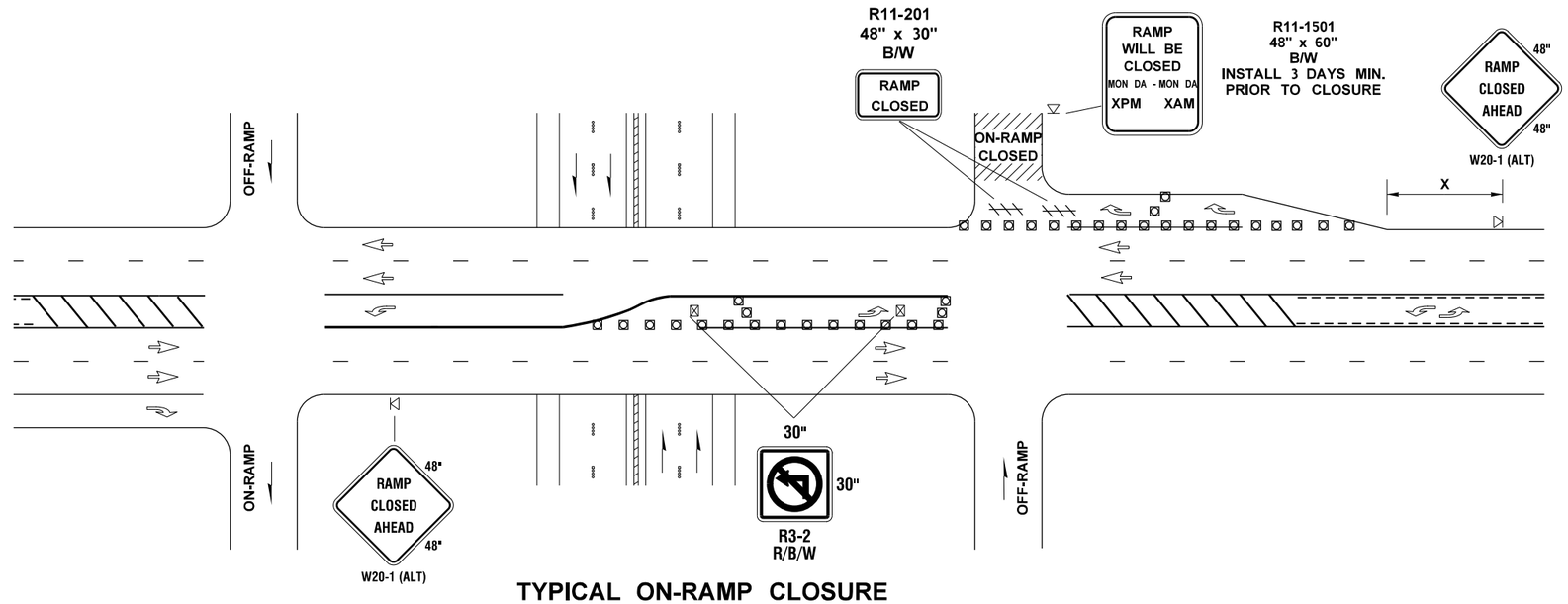
SHEET 51 OF 62 SHEETS

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.

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'.										

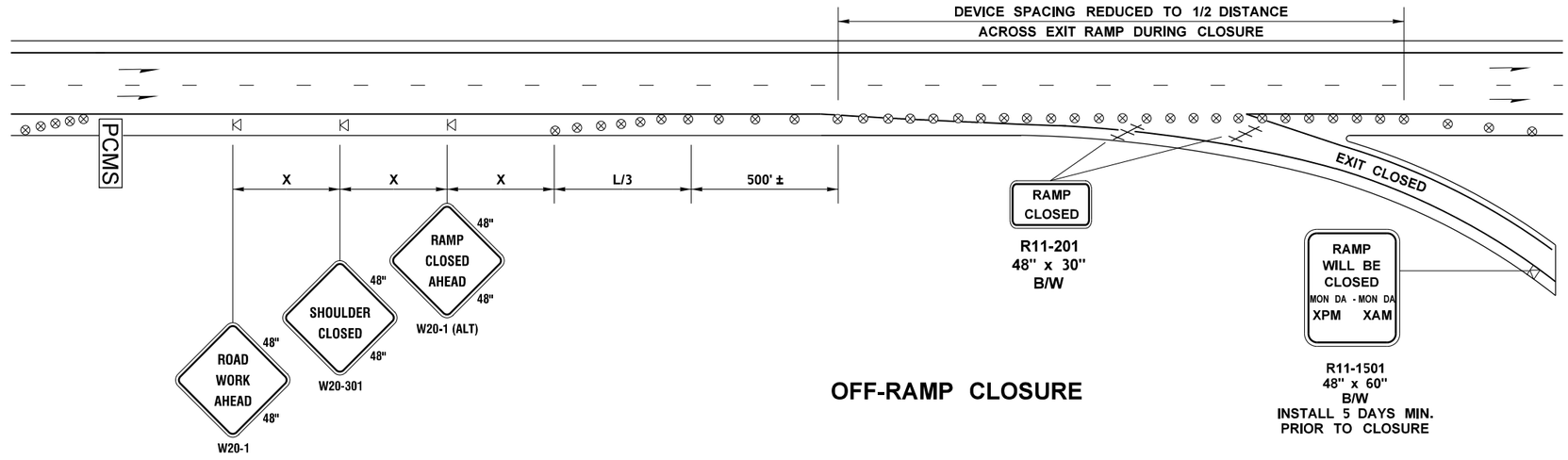
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40



TYPICAL ON-RAMP CLOSURE

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

FIELD LOCATE



OFF-RAMP CLOSURE

LEGEND

- TYPE 3 BARRICADE
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

SHORT TERM RAMP CLOSURES

NOT TO SCALE

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.

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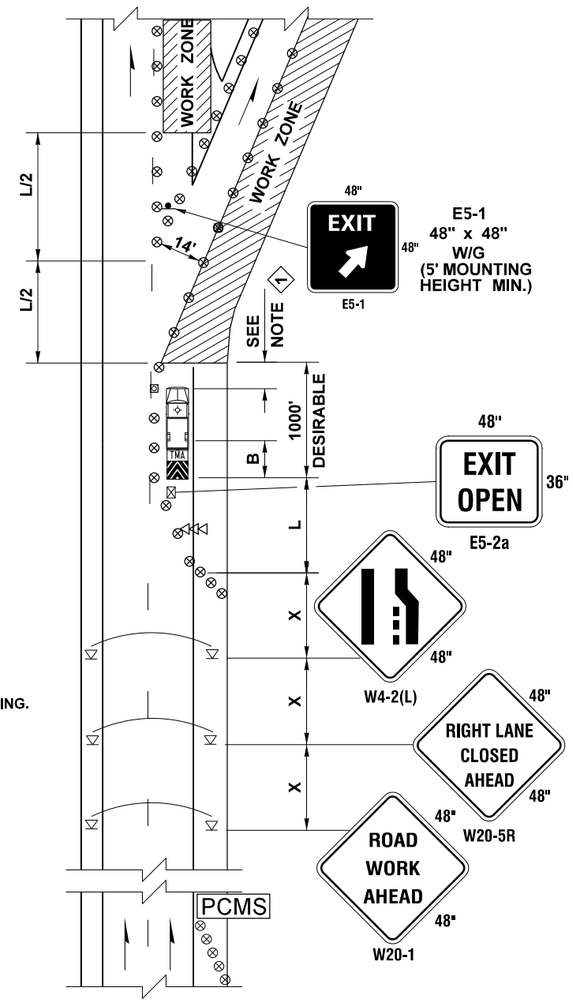
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

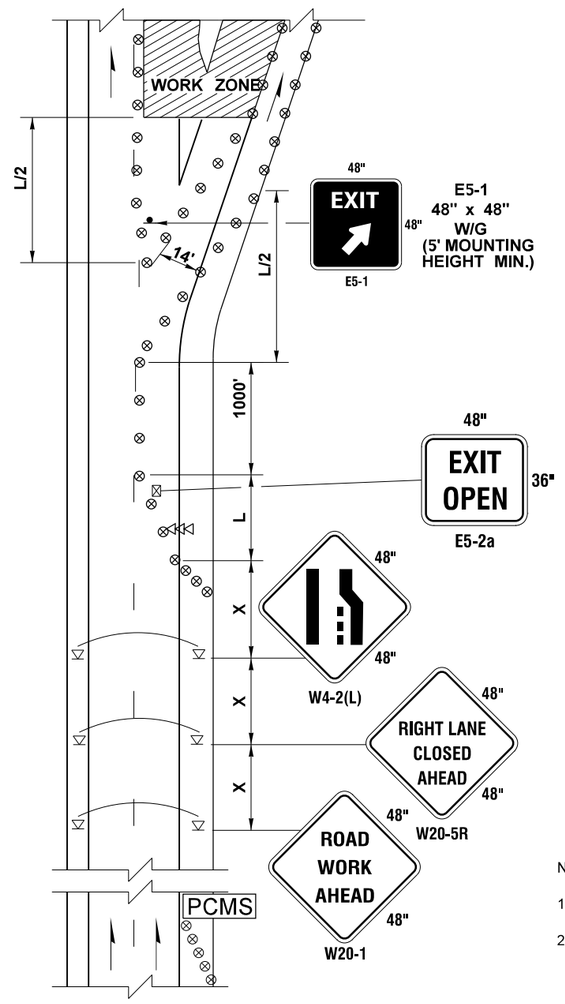
TRAFFIC CONTROL PLANS

Plot 7

PLAN REF NO TC7

SHEET 52 OF 62 SHEETS





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

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

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

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

MINIMUM TAPER LENGTH = L (FEET)										
SHOULDER WIDTH	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
6'	-	-	-	-	270	300	330	360	390	420
8'	-	-	-	-	360	405	450	480	525	570
10'	-	-	-	-	450	510	555	600	660	705

3 DEVICES MINIMUM SPACED 10' O.C. IN TAPERS FOR SHOULDER WIDTHS LESS THAN 6'.

NOTES:

1. THE DESIRABLE RAMP WIDTH IS 14 FT WITH A 20:1 RAMP TAPER.
2. G20-2A END ROAD WORK SIGN SHALL BE INSTALLED 500 FT BEYOND THE WORK AREA OR USE A DOWNSTREAM TAPER. WHEN USED, DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20 FT O.C.
3. ALL SIGNS ARE CLASS B UNLESS OTHERWISE NOTED.
4. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
5. DEVICES SHALL ONLY BE ALLOWED TO ENCROACH INTO ADJACENT LANES DURING THE PAVING OPERATION. A MINIMUM LANE WIDTH OF 12 FT SHALL BE MAINTAINED AT ALL TIMES.
6. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000 FT.
7. TRAFFIC SAFETY DRUMS REQUIRED FOR ALL TAPERS.
8. DEVICES SHALL ONLY BE ALLOWED TO ENCROACH INTO ADJACEBT LANES DURING PAVING OPERATION. A MINIMUM LANE WIDTH OF 12 FT SHALL BE MAINTAINED AT ALL TIMES.
9. PLACE ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
10. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- TEMPORARY SIGN LOCATION
- SEQUENTIAL ARROW SIGN
- TMA PROTECTIVE VEHILCE WITH TRANSPORTABLE ATTENUATOR REQUIRED
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

ONE LANE RAMP WITH SHIFT

NOT TO SCALE

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NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 8

PLAN REF NO TC8

SHEET 53 OF 62 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.

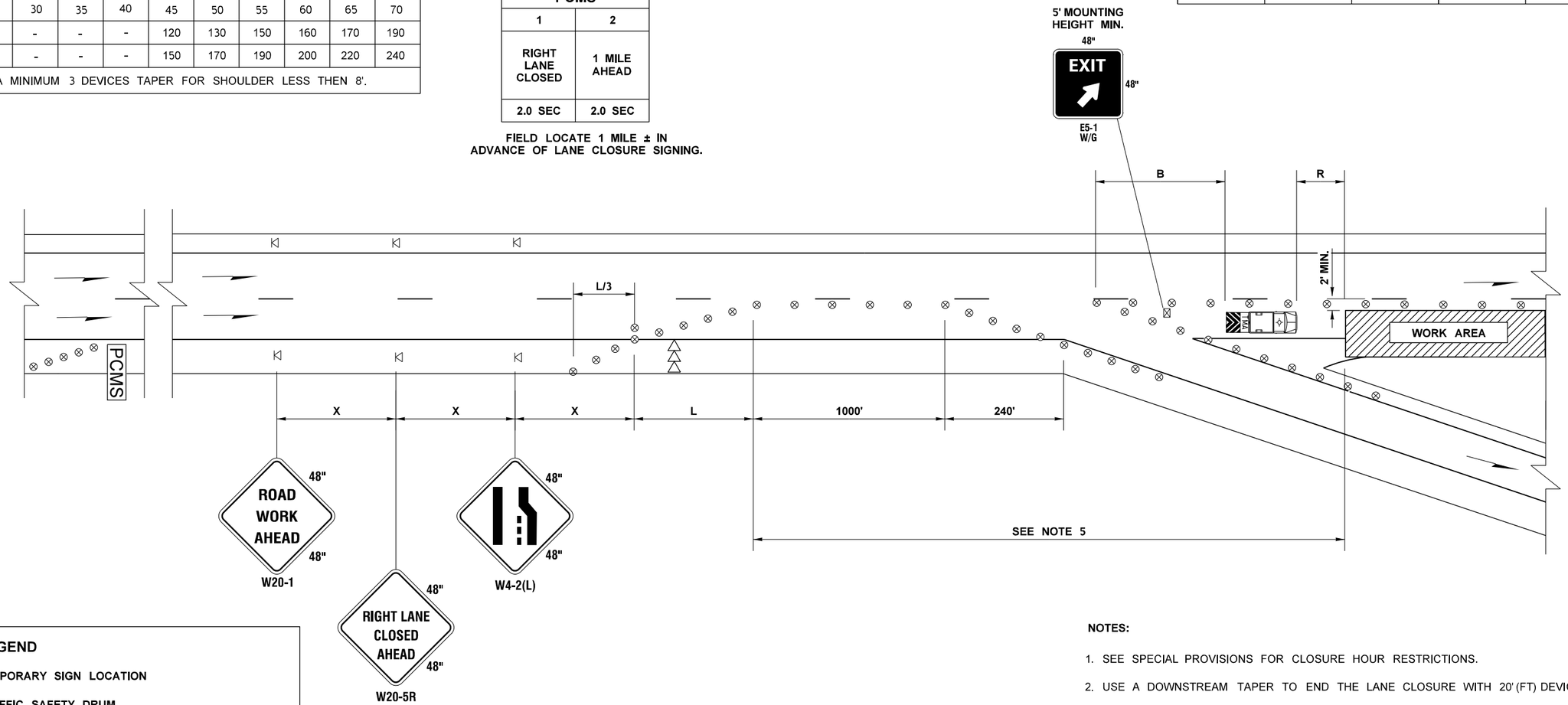
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60

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 CLOSED	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
- TEMPORARY SIGN LOCATION (5' 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) ± (RECOMMENDED).
5. SEE DETOUR SHEETS 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.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn
TIME	12:10:24 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

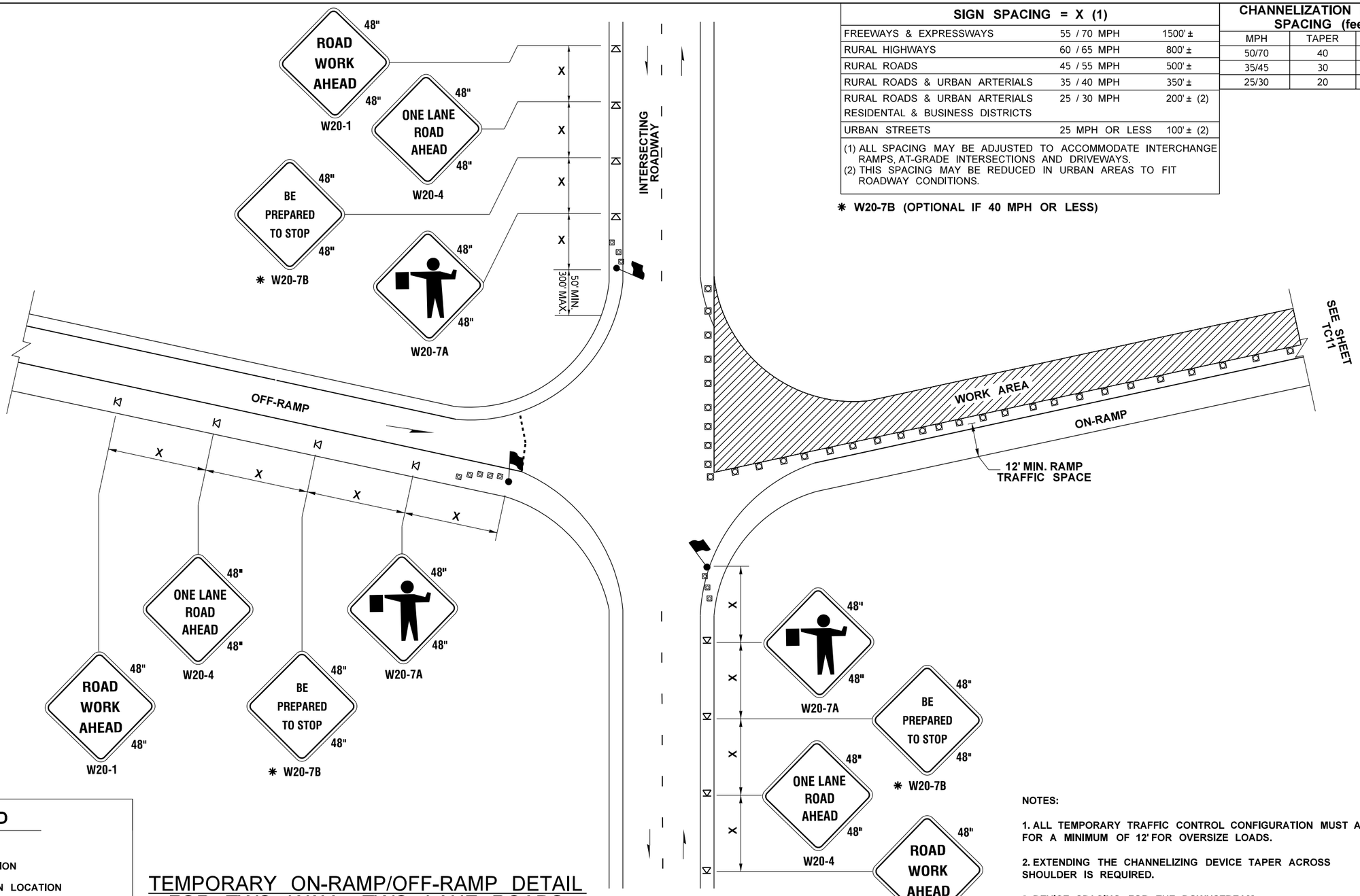
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 9

PLAN REF NO TC9

SHEET 54 OF 62 SHEETS



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

✱ W20-7B (OPTIONAL IF 40 MPH OR LESS)

LEGEND

- FLAGGER LOCATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- WORK AREA LIMITS

TEMPORARY ON-RAMP/OFF-RAMP DETAIL FOR TWO WAY - TWO LANE ROADS

WITH FLAGGERS

NOT TO SCALE

NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL CONFIGURATION MUST ALLOW FOR A MINIMUM OF 12' FOR OVERSIZE LOADS.
2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS REQUIRED.
3. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20 FEET O.C.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn
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DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 22Y003

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P.E. STAMP BOX DATE

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NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

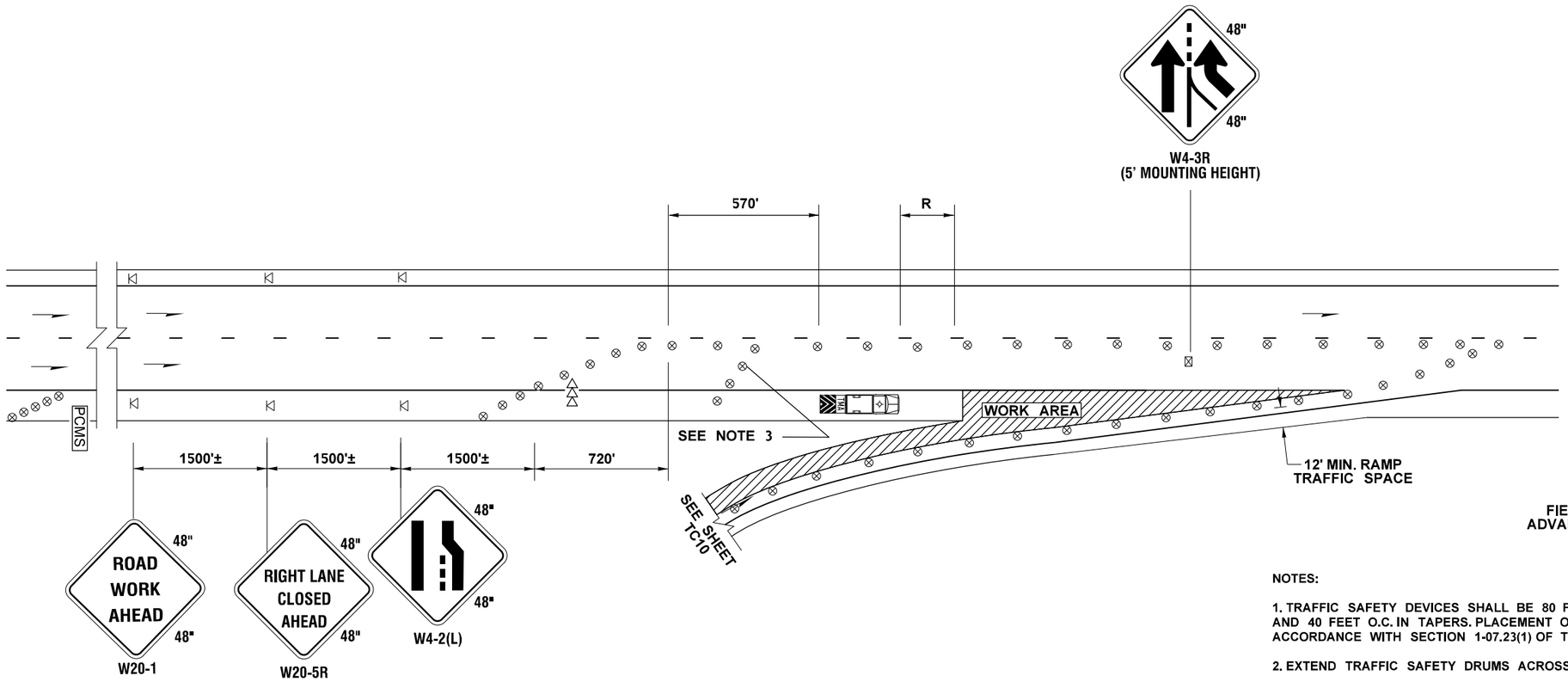
TRAFFIC CONTROL PLANS

Plot 10

PLAN REF NO TC10

SHEET 55 OF 62 SHEETS

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FEET MAX.



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
1.5 SEC	1.5 SEC

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

LEGEND

◁	TEMPORARY SIGN LOCATION
▷▷▷	SEQUENTIAL ARROW SIGN
⊗ ⊗ ⊗	TRAFFIC SAFETY DRUM
TMA	TRUCK MOUNTED ATTENUATOR
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
⊠	TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. TRAFFIC SAFETY DEVICES SHALL BE 80 FEET O.C. IN TANGENT SECTIONS AND 40 FEET O.C. IN TAPERS. PLACEMENT OF TRAFFIC SAFETY DRUMS SHALL BE IN ACCORDANCE WITH SECTION 1-07.23(1) OF THE STANDARD SPECIFICATIONS.
2. EXTEND TRAFFIC SAFETY DRUMS ACROSS SHOULDER WITH A TAPER OF 200'.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'±.
4. USE A SHORT TERM RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
5. ALL SIGNS SHALL BE 48" x 48" BLACK ON ORANGE AND CLASS "B" UNLESS OTHERWISE DESIGNATED.
6. ALL TEMPORARY TRAFFIC CONTROL CONFIGURATION MUST ALLOW FOR A MINIMUM OF 12' FOR OVERSIZE LOADS.
7. USE OF A TMA IS REQUIRED.
8. TRAFFIC DRUMS REQUIRED FOR ALL TAPERS ON HIGH SPEED ROADWAYS.
9. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE TRAFFIC SAFETY DRUMS FOR NIGHTTIME OPERATIONS ON FREEWAY/EXPRESSWAYS.
10. NO FLAGGERS OR SPOTTERS.

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TIME	12:10:24 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022					
PLOTTED BY	WolfPa				JOB NUMBER 22Y003	
DESIGNED BY	H. EILERS					
ENTERED BY	P. WOLF					
CHECKED BY	P. COOPER				CONTRACT NO.	LOCATION NO.
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

DATE
P.E. STAMP BOX

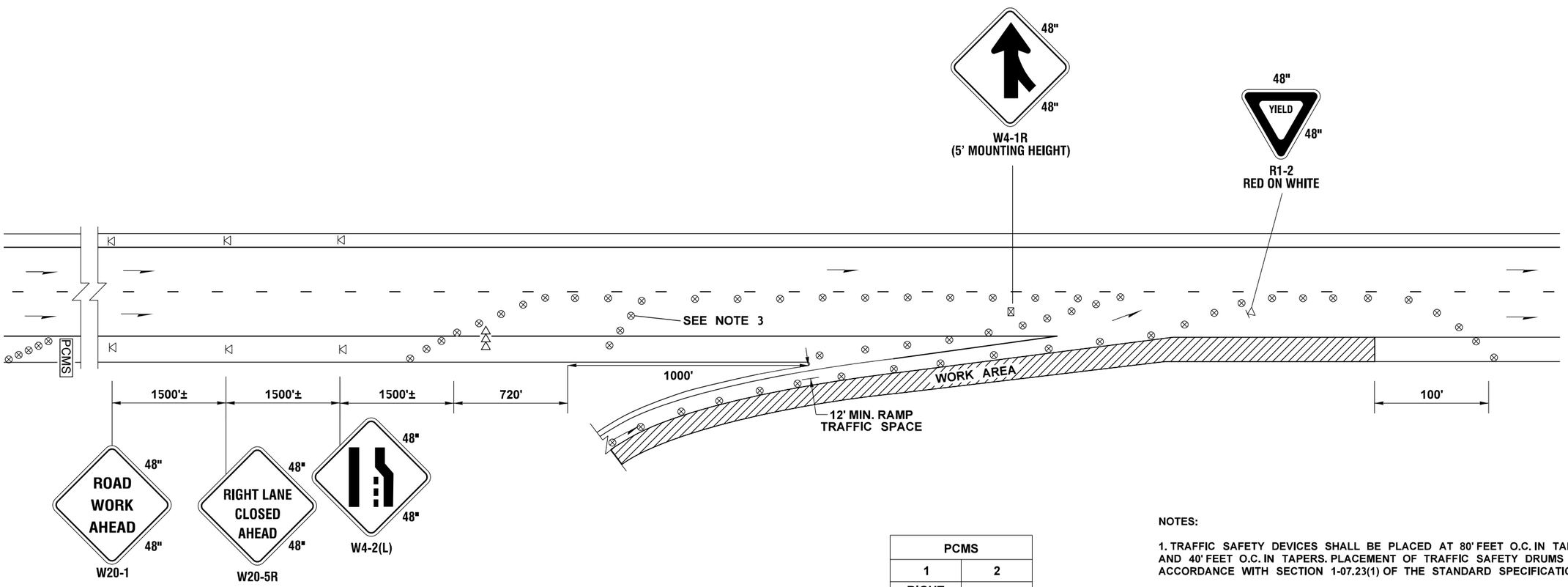
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 11
PLAN REF NO
TC11
SHEET 56 OF 62 SHEETS



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
1.5 SEC	1.5 SEC

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

LEGEND

◁	TEMPORARY SIGN LOCATION
▷▷▷	SEQUENTIAL ARROW SIGN
⊗ ⊗ ⊗	TRAFFIC SAFETY DRUM
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN
⊠	TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. TRAFFIC SAFETY DEVICES SHALL BE PLACED AT 80' FEET O.C. IN TANGENT SECTIONS AND 40' FEET O.C. IN TAPERS. PLACEMENT OF TRAFFIC SAFETY DRUMS SHALL BE IN ACCORDANCE WITH SECTION 1-07.23(1) OF THE STANDARD SPECIFICATIONS..
2. EXTEND TRAFFIC SAFETY DRUMS ACROSS SHOULDER WITH A TAPER OF 200'.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'±.
4. USE A SHORT TERM RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
5. ALL SIGNS SHALL BE 48" x 48" BLACK ON ORANGE AND CLASS "B" UNLESS OTHERWISE DESIGNATED.
6. ALL TEMPORARY TRAFFIC CONTROL CONFIGURATION MUST ALLOW FOR A MINIMUM OF 12' FOR OVERSIZE LOADS.
7. TRAFFIC DRUMS REQUIRED FOR ALL TAPERS ON HIGH SPEED ROADWAYS.
8. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE TRAFFIC SAFETY DRUMS FOR NIGHTTIME OPERATIONS ON FREEWAY/EXPRESSWAYS.
9. NO FLAGGERS OR SPOTTERS.

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TIME	12:10:25 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022						
PLOTTED BY	WolfPa						
DESIGNED BY	H. EILERS				JOB NUMBER 22Y003		
ENTERED BY	P. WOLF						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

P.E. STAMP BOX DATE

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Washington State Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 12

PLAN REF NO TC12

SHEET 57 OF 62 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'.										

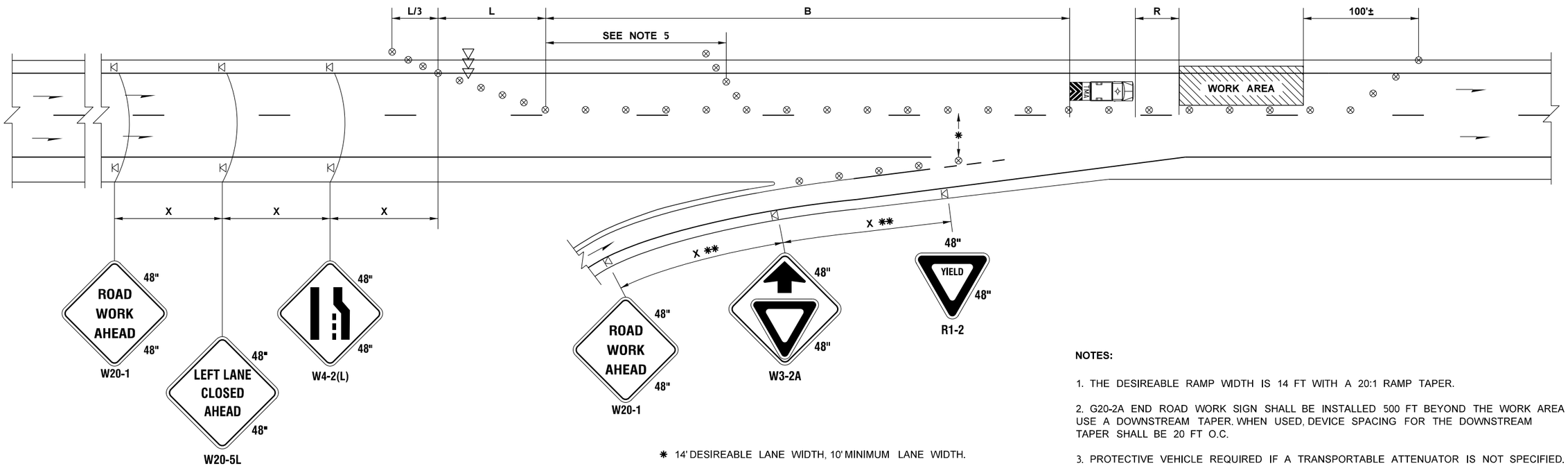
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±

(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'



* 14' DESIREABLE LANE WIDTH, 10' MINIMUM LANE WIDTH.

** MAY BE ADJUSTED TO FIT THE LENGTH OF THE RAMP

LEGEND

- ⊗ TRAFFIC SAFETY DRUM
- TEMPORARY SIGN LOCATION
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. THE DESIREABLE RAMP WIDTH IS 14 FT WITH A 20:1 RAMP TAPER.
2. G20-2A END ROAD WORK SIGN SHALL BE INSTALLED 500 FT BEYOND THE WORK AREA OR USE A DOWNSTREAM TAPER. WHEN USED, DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20 FT O.C.
3. PROTECTIVE VEHICLE REQUIRED IF A TRANSPORTABLE ATTENUATOR IS NOT SPECIFIED.
4. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
5. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000 FT ±.
6. ALL SIGNS SHALL BE CLASS "B" UNLESS OTHERWISE NOTED.
7. PLACE ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
8. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

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TIME	12:10:25 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

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Washington State Department of Transportation

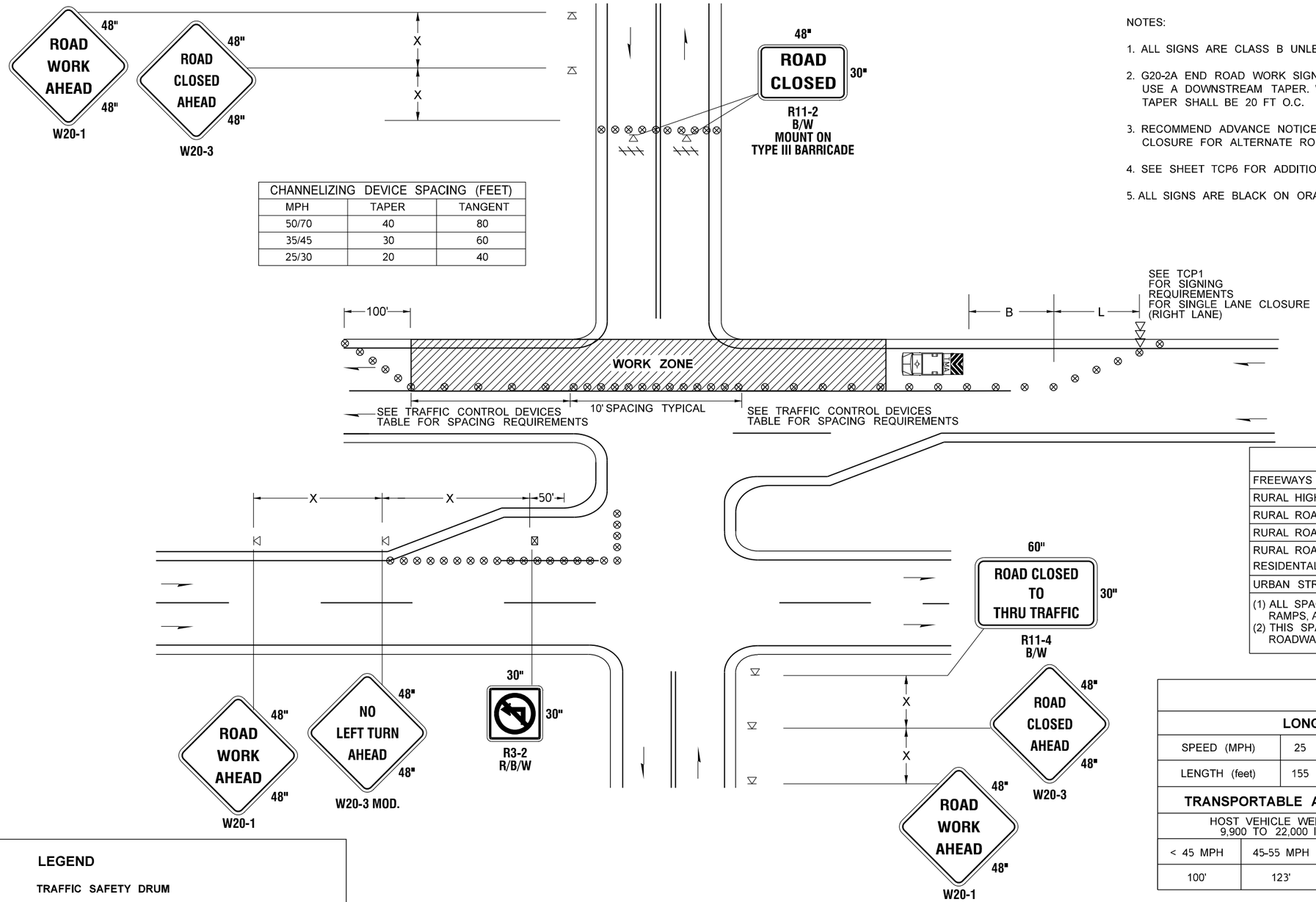
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 13

PLAN REF NO TC13

SHEET 58 OF 62 SHEETS



NOTES:

1. ALL SIGNS ARE CLASS B UNLESS OTHERWISE NOTED.
2. G20-2A END ROAD WORK SIGN SHALL BE INSTALLED 500 FT BEYOND THE WORK AREA OR USE A DOWNSTREAM TAPER. WHEN USED, DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20 FT O.C.
3. RECOMMEND ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
4. SEE SHEET TCP6 FOR ADDITIONAL SIGNING.
5. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.

CHANNELIZING DEVICE SPACING (FEET)

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

MINIMUM TAPER LENGTH = L (FEET)

LANE WIDTH (FEET)	POSTED SPEED LIMIT (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	- -

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.

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

- ⊗ TRAFFIC SAFETY DRUM
- TEMPORARY SIGN LOCATION
- ▷▷▷ SEQUENTIAL ARROW SIGN
- TYPE III BARRICADE
- ⊠ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

OUTSIDE LANE CLOSURE AT INTERSECTION

NOT TO SCALE

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn
TIME	12:10:26 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

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

JOB NUMBER 22Y003

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NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 14

PLAN REF NO TC14

SHEET 59 OF 62 SHEETS

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

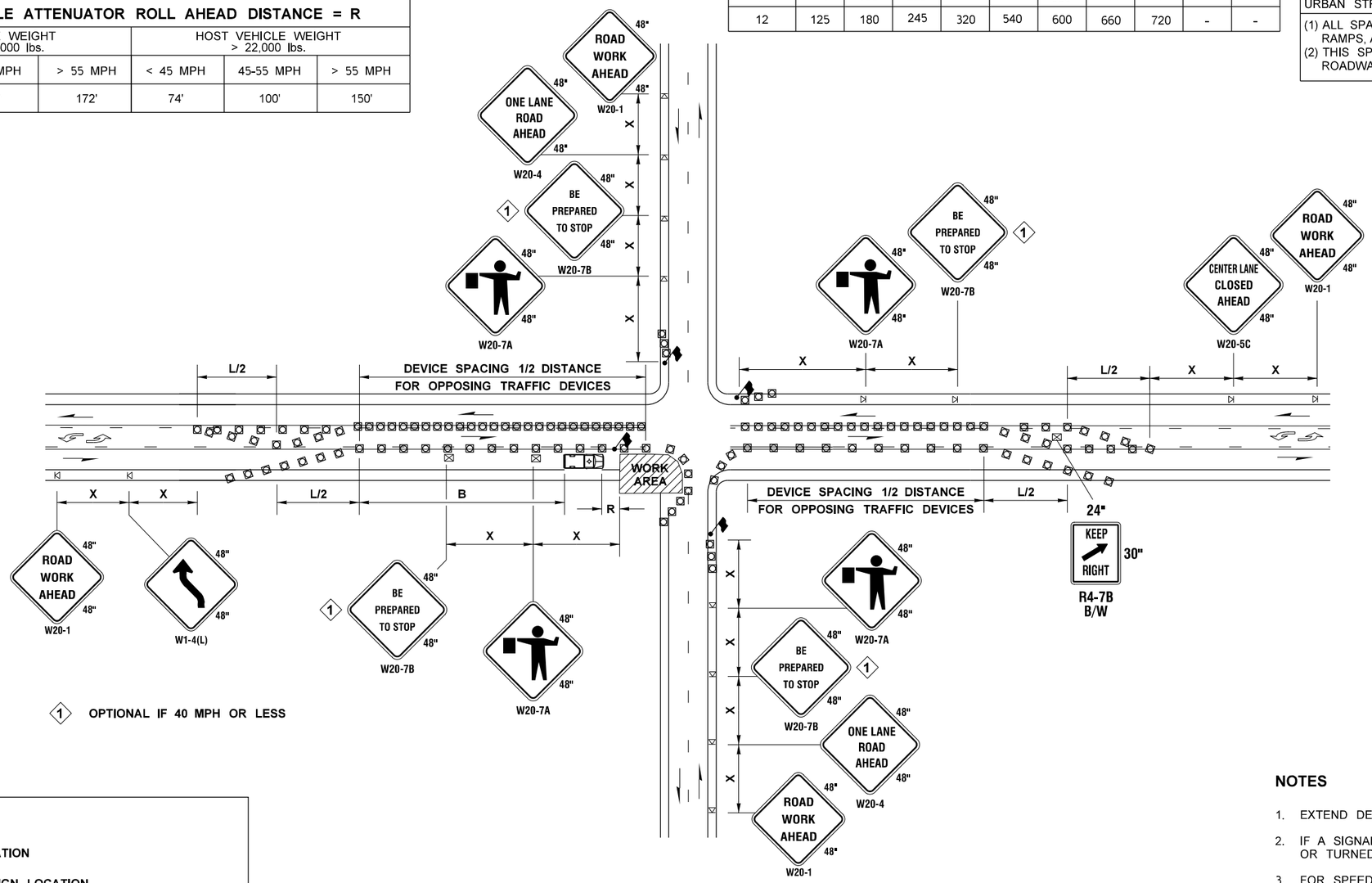
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R					
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.			HOST VEHICLE WEIGHT > 22,000 lbs.		
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'

MINIMUM 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	-	-

SIGN SPACING = X (1)		
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



LEGEND

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE - RECOMMENDED
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

INTERSECTION LANE CLOSURE ~ THREE LANE ROADWAY

NOT TO SCALE

NOTES

1. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
3. FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
4. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
5. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

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TIME	12:10:26 PM				
DATE	4/6/2022				
PLOTTED BY	WolfPa				
DESIGNED BY	H. EILERS				
ENTERED BY	P. WOLF				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

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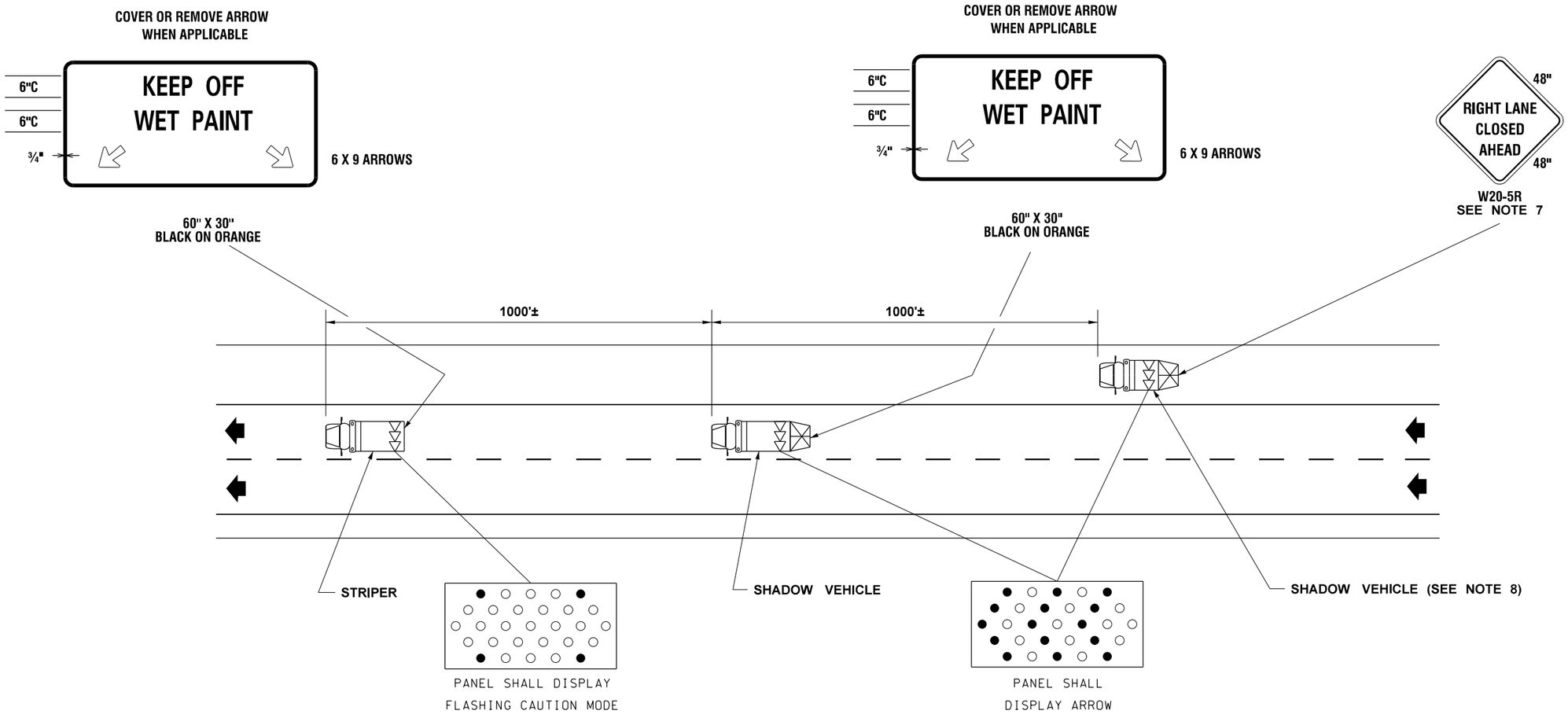
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 15

PLAN REF NO TC15

SHEET 60 OF 62 SHEETS



NOTES:

1. THIS PLAN SHALL BE USED DURING OFF-PEAK HOURS.
2. ALL SIGNS MUST FOLLOW STANDARD SIGN LAYOUT IN ACCORDANCE WITH THE WASHINGTON STATE SIGN FABRICATION MANUAL (M55-05).
3. VEHICLES USED FOR THESE OPERATIONS SHALL BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT, SUCH AS FLASHING LIGHTS, ROTATING BEACONS AND FLAGS.
4. ALL VEHICLES MUST HAVE RADIO COMMUNICATION.
5. SHADOW VEHICLE TO STAY WITHIN SIGHT OF STRIPER AND OTHER SHADOW VEHICLES AT ALL TIMES.
6. USE ADDITIONAL SHADOW VEHICLES AS REQUIRED BY THE ENGINEER.
7. SIGN SHALL READ "LEFT LANE" OR "RIGHT LANE" CLOSED AHEAD AS APPROPRIATE.
8. SHADOW VEHICLE SHALL DRIVE ON THE SHOULDER WHENEVER POSSIBLE.

LEGEND

▷▷▷ SEQUENTIAL ARROW SIGN - TYPE B OR C

TRANSPORTABLE ATTENUATOR

STRIPING OPERATIONS

FOR TWO-LANE ONE-WAY TRAFFIC
APPROPRIATE ADJUSTMENTS TO SIGNS AND VEHICLE
PLACEMENT SHALL BE MADE FOR LEFT LANE CLOSURE

NOT TO SCALE

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn
TIME	12:10:27 PM
DATE	4/6/2022
PLOTTED BY	WolfPa
DESIGNED BY	H. EILERS
ENTERED BY	P. WOLF
CHECKED BY	P. COOPER
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 22Y003		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

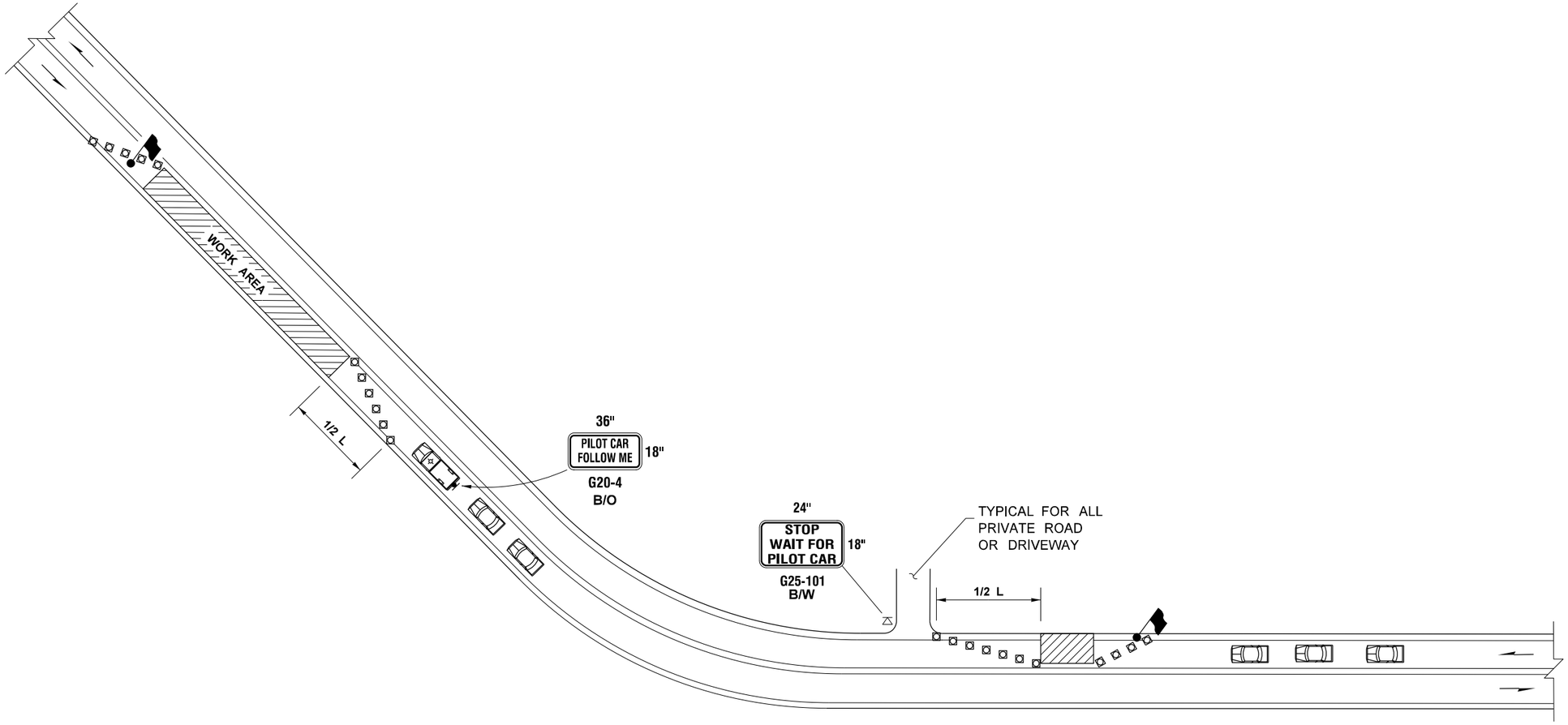
SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 16

PLAN REF NO TC16

SHEET 61 OF 62 SHEETS



LEGEND

- FLAGGING STATION
- TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PILOT VEHICLE
- MOTORIST VEHICLE

NOTES

1. CHANNELIZING DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT FLAGGING STATIONS.
2. SIGN G25-101 IS RECOMMENDED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS. THIS SIGN IS NOT REQUIRED TO BE ALUMINUM SUBSTRATE AND CAN BE MADE OF ALTERNATIVE MATERIALS.

PILOT CAR OPERATION

NOT TO SCALE

FILE NAME	K:\454306\Projects\XL6416 - SR 241, North of SunnysIde\CAD\ContractPlans_Alt\410-WZTCPlan\XL5638_PS_TC.dgn						
TIME	12:10:27 PM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	4/6/2022						
PLOTTED BY	WolfPa				JOB NUMBER 22Y003		
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CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SR 241
NORTH OF SUNNYSIDE AND I-82 I/C - PAVING

TRAFFIC CONTROL PLANS

Plot 17
PLAN REF NO
TC17
SHEET 62 OF 62 SHEETS