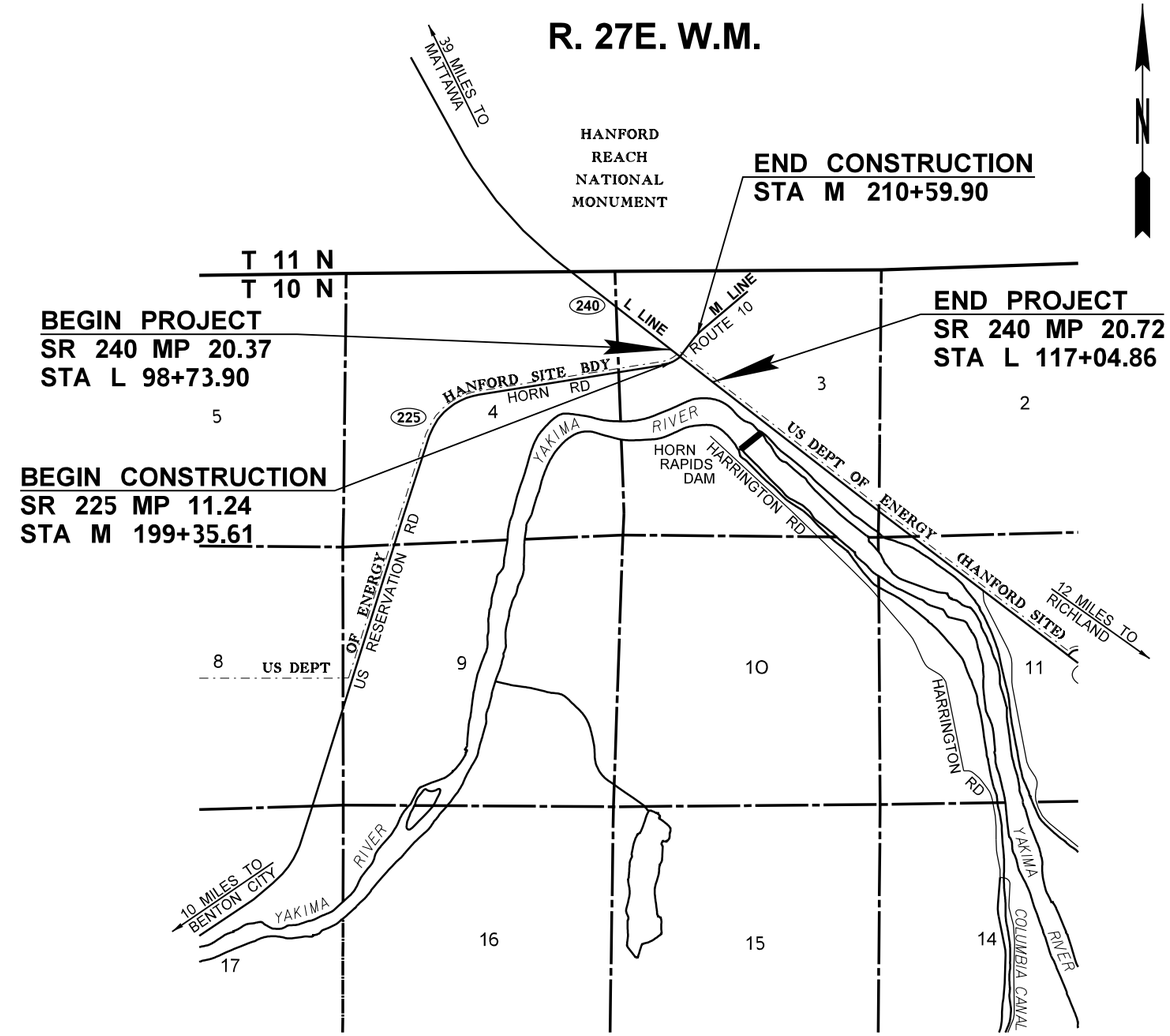
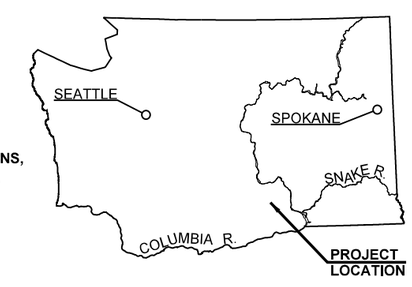
INDEX

SHEET NO.	PLAN REFERENCE NO.	TITLE
1	INVM1	INDEX/ VICINITY MAP
2	CT1	CERTIFICATION SHEET
3 - 4	SQ1 - SQ2	SUMMARY OF QUANTITIES
5 - 14	RS1 - RS10	ROADWAY SECTIONS
15 - 17	CS1 - CS3	STAGED CONSTRUCTION PLAN
18	AL1	ALIGNMENT/ RIGHT OF WAY PLAN
19	QSP1	QUANTITY TABULATION - SITE PREPARATION/ UTILITIES
20	SP1	SITE PREPARATION/ UTILITY PLAN
21 - 23	PR1 - PR3	ROADWAY PROFILE
24	DP1	DRAINAGE PROFILE
25	PV1	PAVEMENT REPAIR / WIDENING PLAN
26 - 29	QPV1 - QPV4	QUANTITY TABULATION - PAVING/PAVEMENT MARKING
30 - 31	PM1 - PM2	PAVING/PAVEMENT MARKING PLAN
32	RTD1	ROUNDABOUT/ TRAFFIC ISLAND DETIALS
33	PVD1	PAVING DETAILS
34	IL1	ILLUMINATION PLANS
35	ITD1	ELECTRICAL DETAILS
36 - 40	SN1 - SN5	SIGNING PLAN
41	CA1	CLASS A SIGNS
42 - 50	TC1 - TC9	TRAFFIC CONTROL PLANS





PLAN REFERENCE NO.

SHEET OF SHEETS

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

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\010-Index\XL6239_PS_INVM.dgn
TIME	6:38:21 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

INDEX/ VICINITY MAP

Plot 1

PLAN REF NO INVM1

SHEET 1 OF 50 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

Alejandro Sanguino Nov 7, 2022 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Todd Daley Nov 7, 2022 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.
AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.

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.

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 240/ SR 225 I/C L 98+73.90- L 117+04.86	GROUP 2 THIRD PARTY DAMAGES
						PREPARATION		
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	
2	0.50		0.50	0025	ACRE	CLEARING AND GRUBBING	0.50	
3	LUMP SUM		LUMP SUM	0215	L.S.	REMOVING MISCELLANEOUS TRAFFIC ITEM	L.S.	
						GRADING		
4	610.00		610.00	0310	C.Y.	ROADWAY EXCAVATION INCL. HAUL	610.00	
5	367.00		367.00	0470	C.Y.	EMBANKMENT COMPACTION	367.00	
						DRAINAGE		
6	70.00		70.00	1085	C.Y.	QUARRY SPALLS	70.00	
7	30.00		30.00	1182	L.F.	SCHEDULE A CULV. PIPE 18 IN. DIAM.	30.00	
						SURFACING		
8	1715.00		1715.00	5100	TON	CRUSHED SURFACING BASE COURSE	1,715.00	
						CEMENT CONCRETE PAVEMENT		
9	956.60		956.60		S.Y.	TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT	956.60	
						HOT MIX ASPHALT		
10	2537.00		2537.00	5711	S.Y.	PLANING BITUMINOUS PAVEMENT	2,537.00	
11	125.70		125.70	5716	TON	HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28	125.70	
12	3359.30		3359.30	5766	TON	HMA CL. 3/8 IN. PG 64H-28	3,359.30	
13	10078.00		10078.00	5830	DOL	JOB MIX COMPLIANCE PRICE ADJUSTMENT	10,078.00	
14	6719.00		6719.00	5835	DOL	COMPACTION PRICE ADJUSTMENT	6,719.00	
15	220.00		220.00	5837	DOL	ASPHALT COST PRICE ADJUSTMENT	220.00	
						EROSION CONTROL AND ROADSIDE PLANTING		
16	1570.00		1570.00	6479	L.F.	WATTLE	1,570.00	
17	LUMP SUM		LUMP SUM	6488	L.S.	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	
18	0.30		0.30	6414	ACRE	SEEDING, FERTILIZING, AND MULCHING	0.30	
19	1830.00		1830.00	6630	L.F.	HIGH VISIBILITY FENCE	1,830.00	
						TRAFFIC		
20	12.00		12.00	6698	EACH	ROUNDABOUT SPLITTER ISLAND NOSING CURB	12.00	
21	1101.00		1101.00	6699	L.F.	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER	1,101.00	
22	181.00		181.00		L.F.	ROUNDABOUT CEMENT CONCRETE GUTTER	181.00	
23	126.00		126.00	6708	L.F.	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	126.00	
24	307.00		307.00	6709	L.F.	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	307.00	
25	4102.00		4102.00	6806	L.F.	PAINT LINE	4,102.00	
26	3612.00		3612.00	6813	L.F.	GROOVED PLASTIC LINE	3,612.00	
27	371.00		371.00	6861	L.F.	GROOVED PLASTIC WIDE LINE	371.00	
28	2.00		2.00	6833	EACH	PLASTIC TRAFFIC ARROW	2.00	
29	15.00		15.00	6875	EACH	PLASTIC JUNCTION BOX MARKING	15.00	
30	LUMP SUM		LUMP SUM	6890	L.S.	PERMANENT SIGNING	L.S.	
31	6410.00		6410.00	6895	L.F.	TEMPORARY PAVEMENT MARKING-SHORT DURATION	6,410.00	
32	LUMP SUM		LUMP SUM	6904	L.S.	ILLUMINATION SYSTEM	L.S.	
33	LUMP SUM		LUMP SUM	6914	L.S.	ITS DSFS	L.S.	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	240	033830	**	STATE - CWA
2	240	033830	**	STATE 3RD PARTY

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	

JOB NUMBER 21Y009/3

CONTRACT NO 000000

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

SUMMARY OF QUANTITIES

SQ1

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 240/ SR 225 I/C L 98+73.90- L 117+04.86	GROUP 2 THIRD PARTY DAMAGES
34	1640.00		1640.00	6920	HR	AUTOMATED FLAGGER ASSISTANCE DEVICE	1,640.00	
35	LUMP SUM		LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	
36	25000.00		25000.00	7572	DOL	WORK ZONE SAFETY CONTINGENCY	25,000.00	
37	244.00		244.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	244.00	
						OTHER ITEMS		
38	13.00		13.00	7006	C.Y.	STRUCTURE EXCAVATION CLASS B INCL. HAUL	13.00	
39	5.20		5.20	7017	C.Y.	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	5.20	
40	LUMP SUM		LUMP SUM	7038	L.S.	ROADWAY SURVEYING	L.S.	
41	3500.00		3500.00	7480	DOL	ROADSIDE CLEANUP	3,500.00	
42	5.00		5.00	7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE		5.00
43	-1.00		-1.00	7728	DOL	MINOR CHANGE	-1.00	
44	-1.00		-1.00	7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00	
45	LUMP SUM		LUMP SUM	7736	L.S.	SPCC PLAN	L.S.	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	240	033830	**	STATE - CWA
2	240	033830	**	STATE 3RD PARTY

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	

JOB NUMBER 21Y009/3

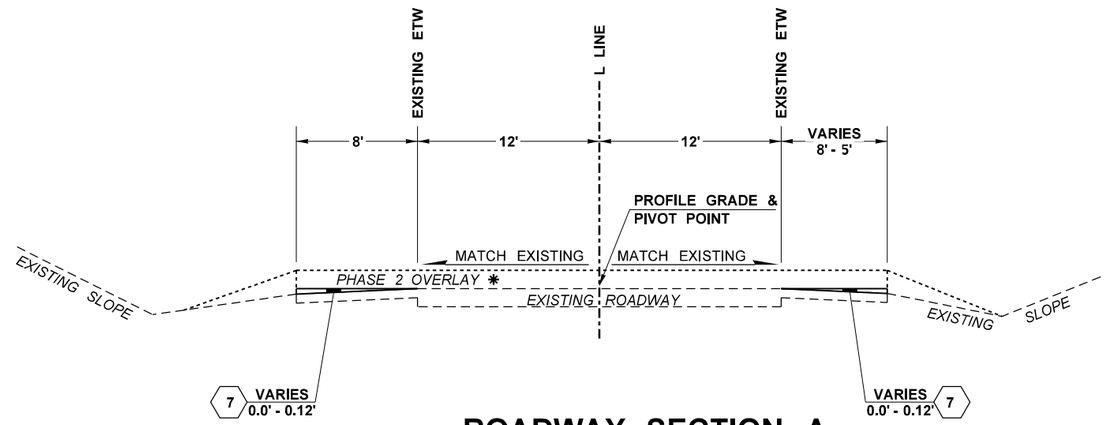
CONTRACT NO 000000

Washington State
Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

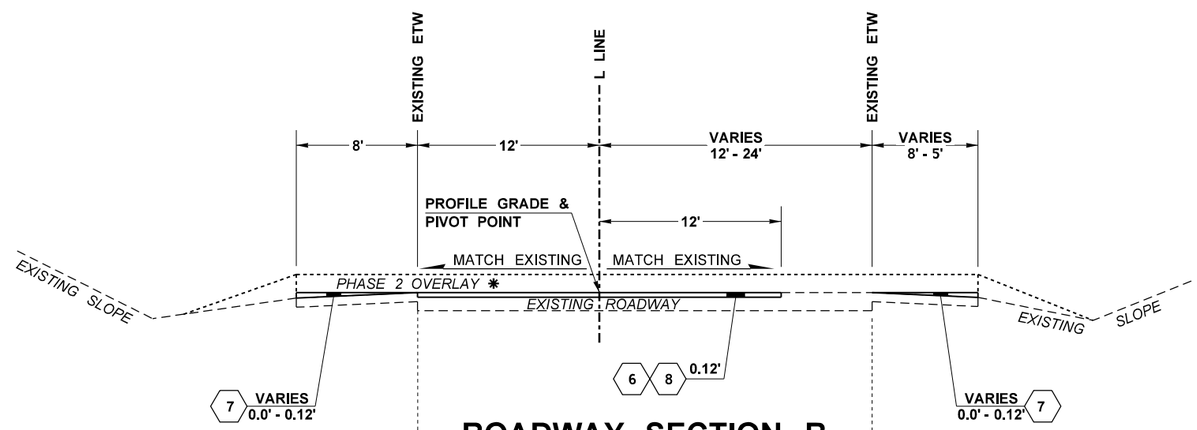
SUMMARY OF QUANTITIES

SQ2



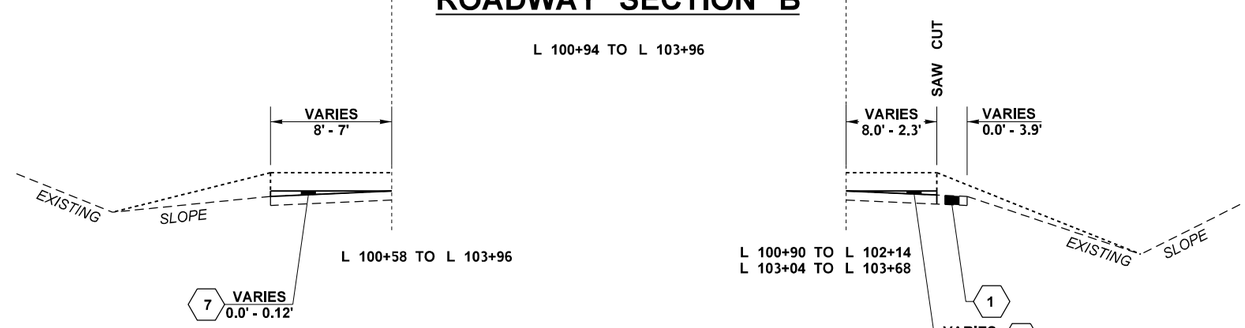
ROADWAY SECTION A

L 98+74 TO L 100+94



ROADWAY SECTION B

L 100+94 TO L 103+96



PHASE 1 PRELEVEL

LEGEND

- 1 ROADWAY EXCAVATION INCL. HAUL
- 4 CRUSHED SURFACING BASE COURSE
- 6 PLANING BITUMINOUS PAVEMENT
- 7 HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
- 8 HMA CL. 3/8 IN. PG 64H-28

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY.
4. ✱ DOUBLE LETTER ROADWAY SECTIONS INDICATE PHASE 2 OVERLAY.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:38:27 AM				10	WASH	
DATE	10/31/2022				JOB NUMBER		
PLOTTED BY	McCoyK				21Y009		
DESIGNED BY	M. DE GROOT				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. MCCOY						
CHECKED BY	P. COOPER						
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

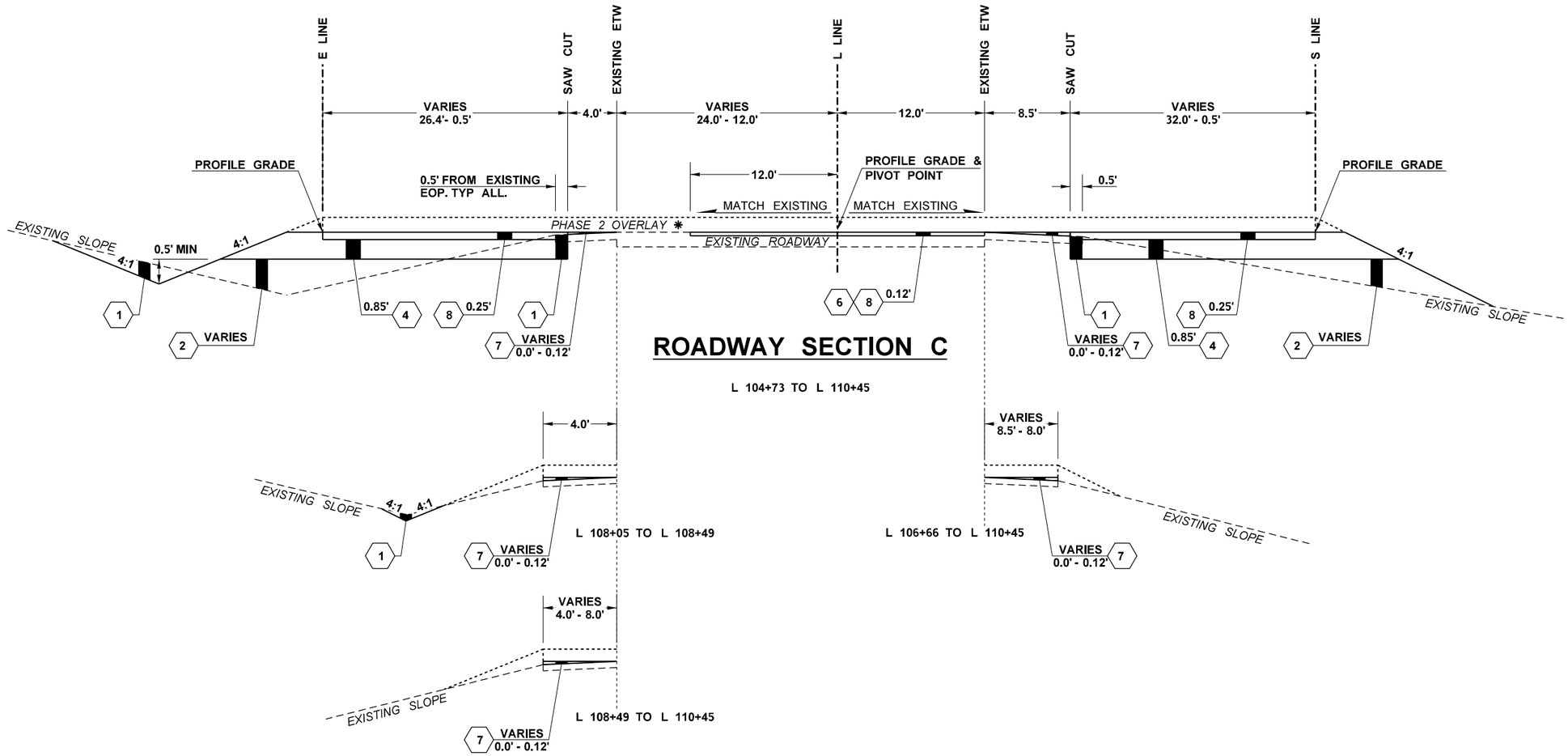
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 1

PLAN REF NO RS1

SHEET 5 OF 50 SHEETS



LEGEND

1. ROADWAY EXCAVATION INCL. HAUL
2. EMBANKMENT COMPACTION
4. CRUSHED SURFACING BASE COURSE
6. PLANING BITUMINOUS PAVEMENT
7. HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
8. HMA CL. 3/8 IN. PG 64H-28

PHASE 1 PRELEVEL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. EOP = EDGE OF PAVEMENT
5. ✱ DOUBLE LETTER ROADWAY SECTIONS INDICATE PHASE 2 OVERLAY.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn				REGION NO.	STATE	FED.AID PROJ.NO.
TIME	6:38:27 AM				10	WASH	
DATE	10/31/2022				JOB NUMBER		
PLOTTED BY	McCoyK				21Y009		
DESIGNED BY	M. DE GROOT				CONTRACT NO.		LOCATION NO.
ENTERED BY	K. MCCOY						
CHECKED BY	P. COOPER						
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

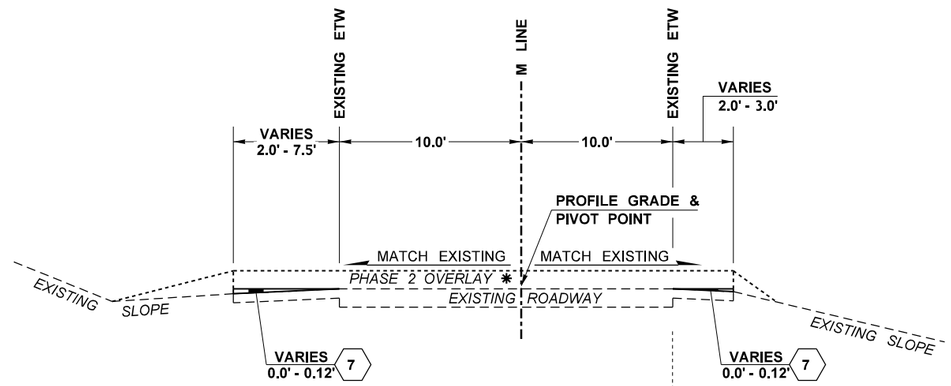
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 2

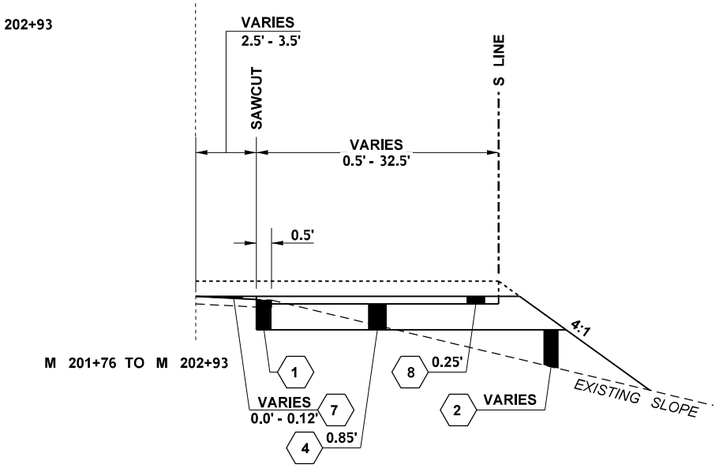
PLAN REF NO RS2

SHEET 6 OF 50 SHEETS



ROADWAY SECTION D

M 199+36 TO M 202+93



LEGEND

- 1 ROADWAY EXCAVATION INCL. HAUL
- 2 EMBANKMENT COMPACTION
- 4 CRUSHED SURFACING BASE COURSE
- 7 HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
- 8 HMA CL. 3/8 IN. PG 64H-28

PHASE 1 PRELEVEL

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ✱ DOUBLE LETTER ROADWAY SECTIONS INDICATE PHASE 2 OVERLAY.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn						
TIME	6:38:28 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	10/31/2022						
PLOTTED BY	McCoyK				JOB NUMBER 21Y009		
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
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

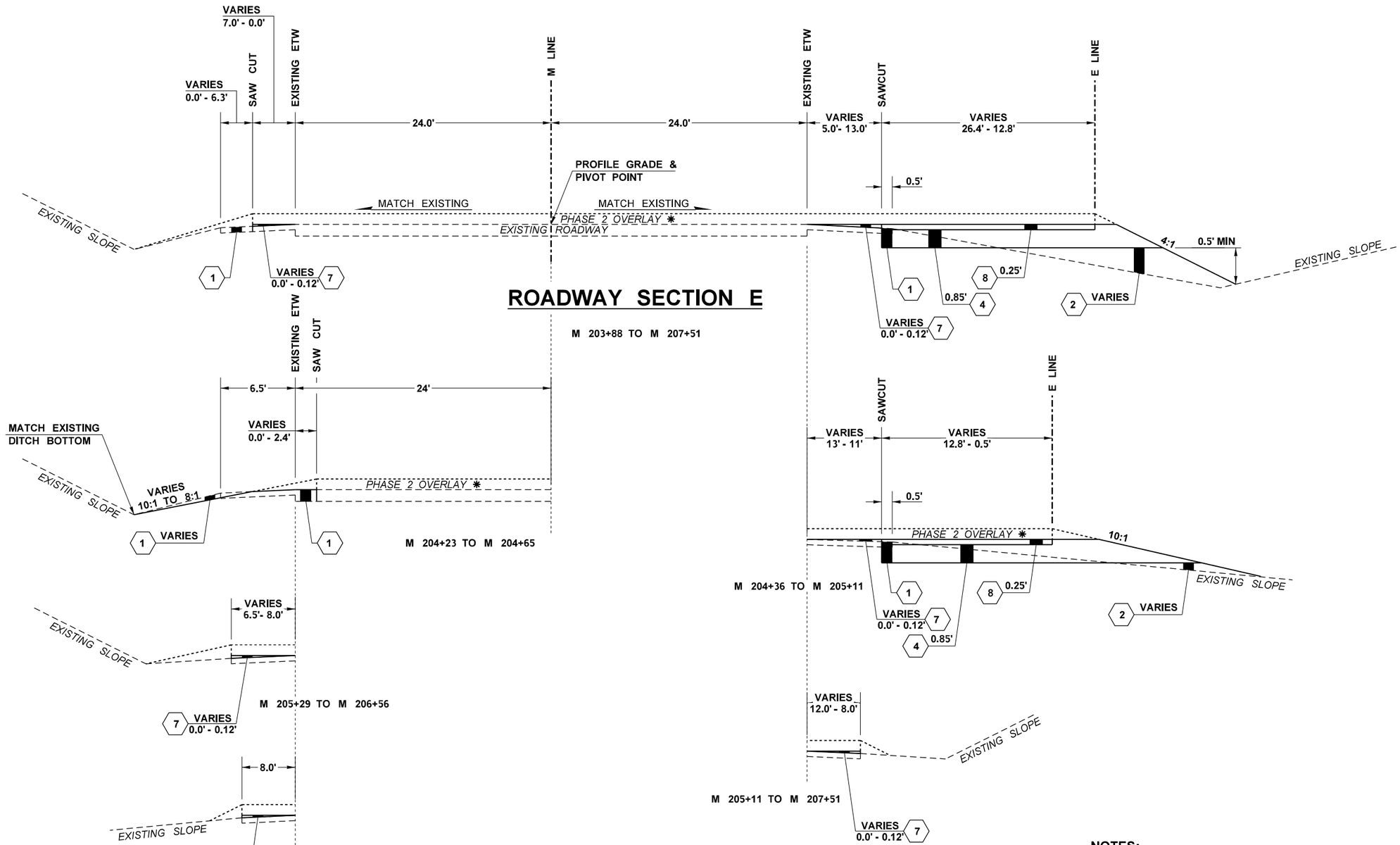
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 3

PLAN REF NO RS3

SHEET 7 OF 50 SHEETS



LEGEND

- (1) ROADWAY EXCAVATION INCL. HAUL
- (2) EMBANKMENT COMPACTION
- (4) CRUSHED SURFACING BASE COURSE
- (7) HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
- (8) HMA CL. 3/8 IN. PG 64H-28

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ✱ DOUBLE LETTER ROADWAY SECTIONS INDICATE PHASE 2 OVERLAY.

PHASE 1 PRELEVEL

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn					
TIME	6:38:28 AM					
DATE	10/31/2022					
PLOTTED BY	McCoyK					
DESIGNED BY	M. DE GROOT					
ENTERED BY	K. MCCOY					
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 21Y009		
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

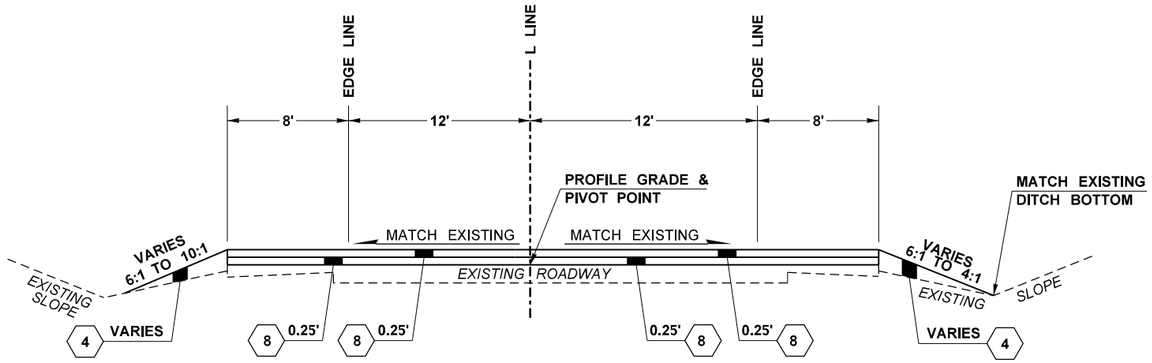
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 4

PLAN REF NO RS4

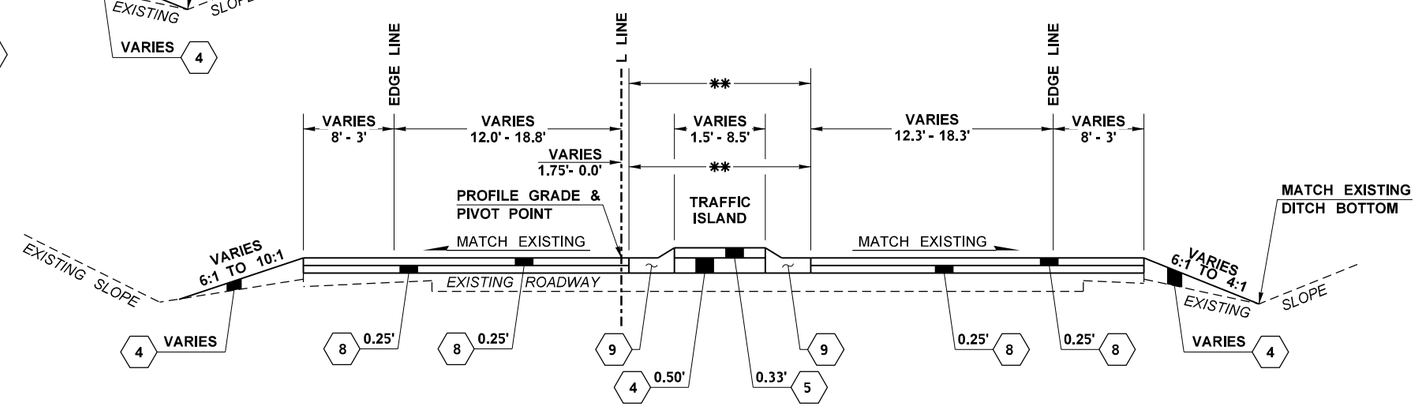
SHEET 8 OF 50 SHEETS



ROADWAY SECTION AA

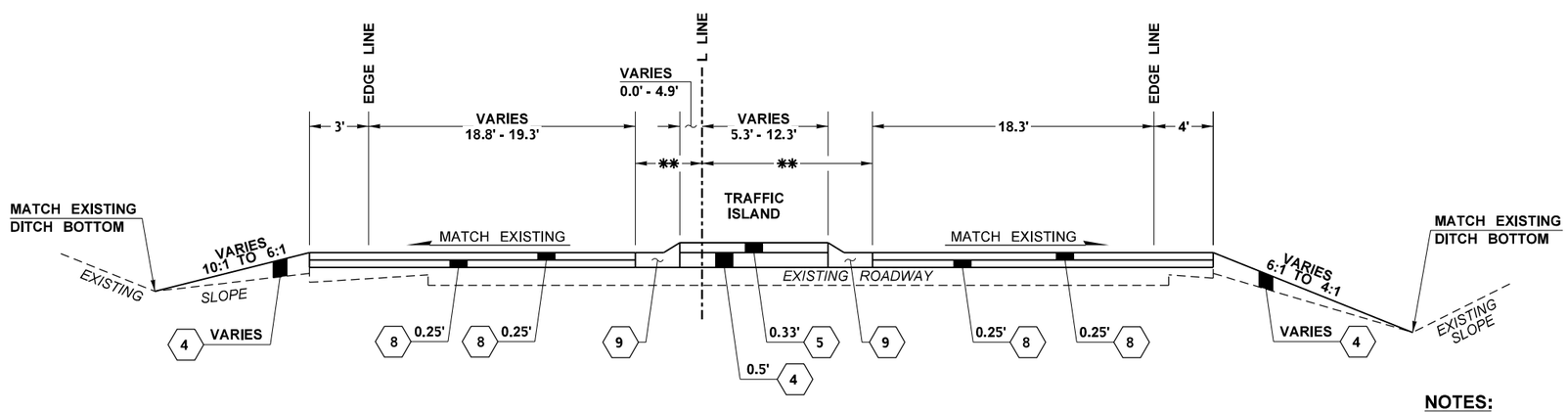
L 98+74 TO L 101+90

SEE, HMA BUTT JOINT OVERLAY TRANSITION, SHEET PVD1



ROADWAY SECTION BB

L 101+90 TO L 103+54



ROADWAY SECTION CC

L 103+54 TO L 103+78

LEGEND

- 4 CRUSHED SURFACING BASE COURSE
- 5 TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- 8 HMA CL. 3/8 IN. PG 64H-28
- 9 ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY.
4. ✱✱ AREA TO HAVE FIRST 0.25' LIFT OF HMA PLACED AND LATER REMOVED PRIOR TO PLACING CURB. SEE SHEETS CS1 - CS3 FOR MORE DETAIL.

PHASE 2 OVERLAY

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn					
TIME	6:38:28 AM					
DATE	10/31/2022					
PLOTTED BY	McCoyK					
DESIGNED BY	M. DE GROOT					
ENTERED BY	K. MCCOY					
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 21Y009		
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

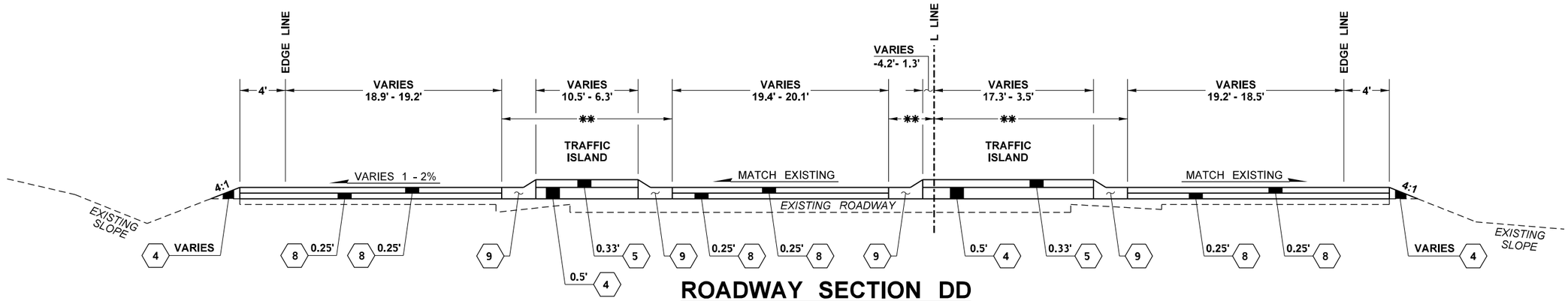
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 5

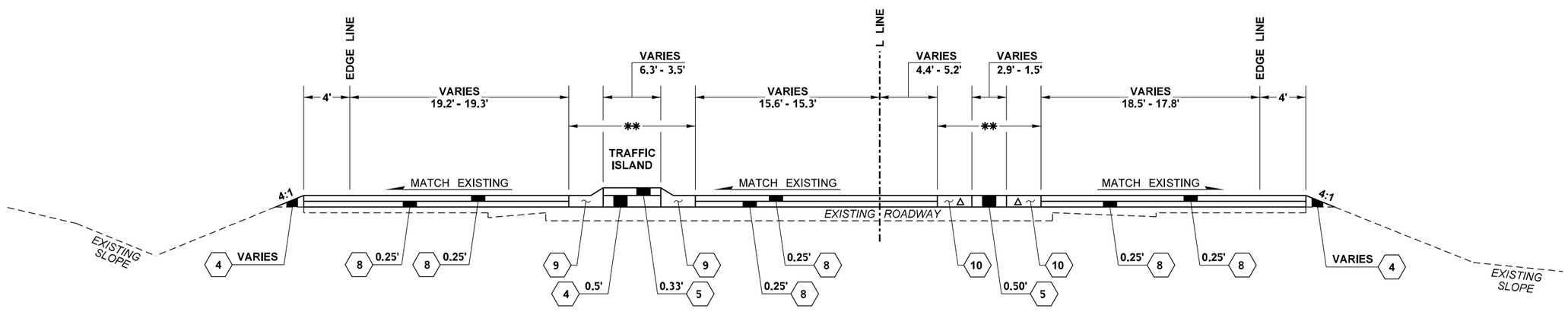
PLAN REF NO RS5

SHEET 9 OF 50 SHEETS



ROADWAY SECTION DD

L 105+01 TO L 105+33



ROADWAY SECTION EE

L 105+33 TO L 105+49

LEGEND

- (4) CRUSHED SURFACING BASE COURSE
- (5) TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- (8) HMA CL. 3/8 IN. PG 64H-28
- (9) ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER
- (10) ROUNDABOUT CEMENT CONCRETE GUTTER (SEE DETAIL, PVD1) Δ

PHASE 2 OVERLAY

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ** AREA TO HAVE FIRST 0.25' LIFT OF HMA PLACED AND LATER REMOVED PRIOR TO PLACING CURB. SEE SHEETS CS1 - CS3 FOR MORE DETAIL.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn
TIME	6:38:29 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009		
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

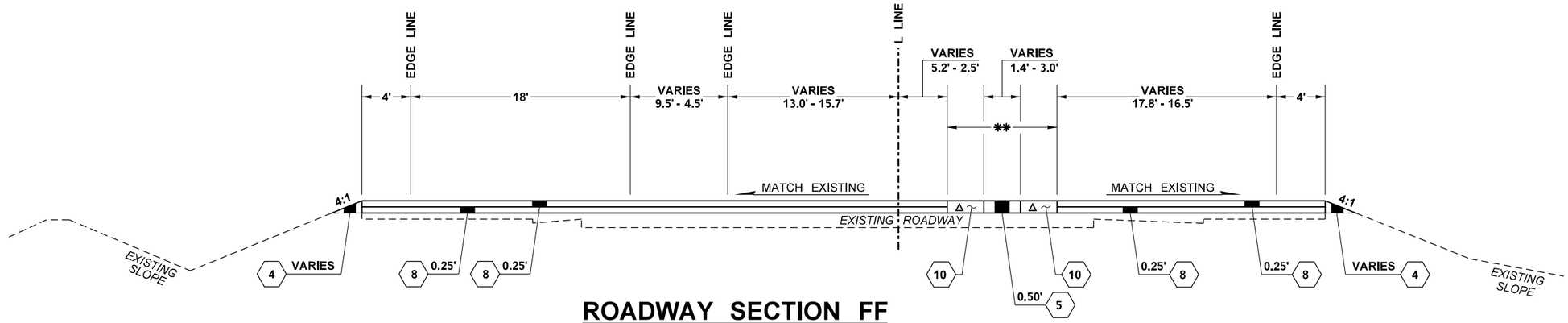
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 6

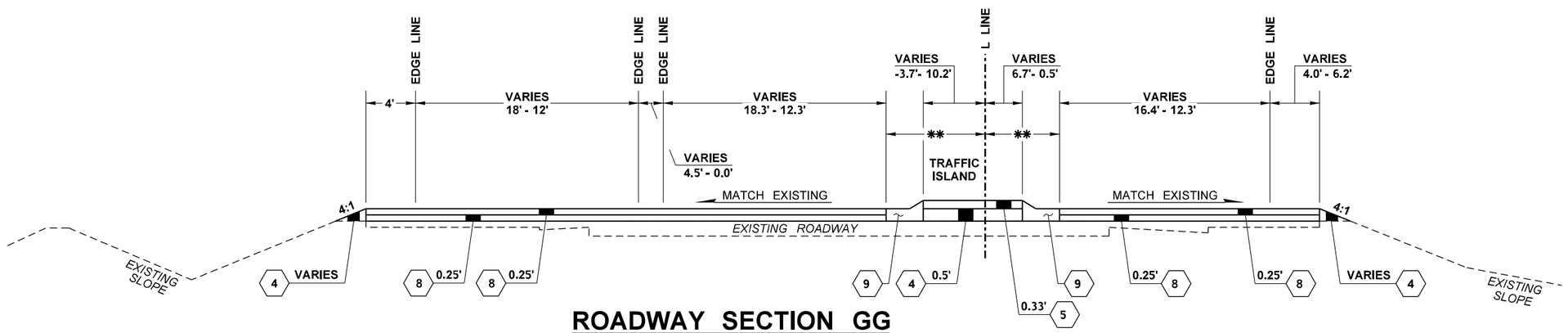
PLAN REF NO RS6

SHEET 10 OF 50 SHEETS



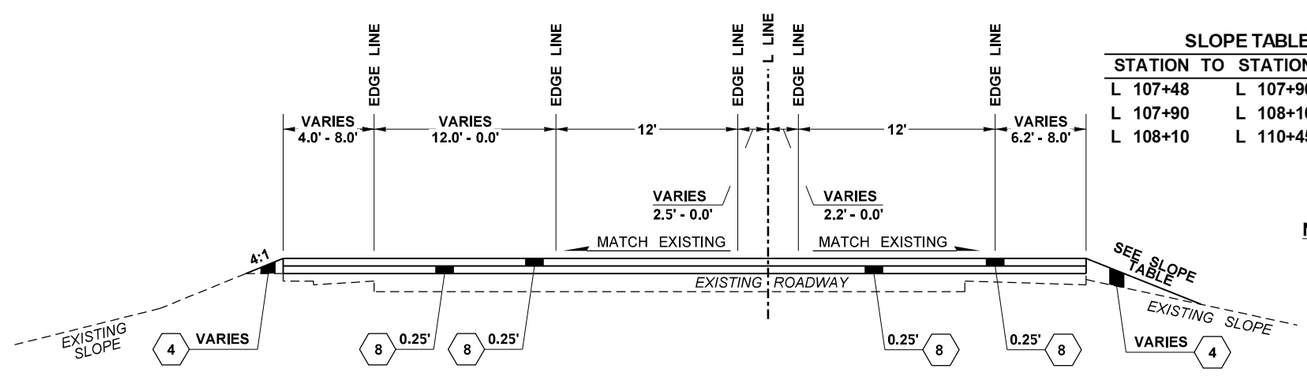
ROADWAY SECTION FF

L 105+49 TO L 105+72



ROADWAY SECTION GG

L 105+72 TO L 107+48



ROADWAY SECTION HH

L 107+48 TO L 110+45 - SEE, HMA OVERLAY TRANSITION BUTT JOINT, SHEET PVD1

SLOPE TABLE

STATION	TO	STATION	SLOPE
L 107+48		L 107+90	4:1
L 107+90		L 108+10	10:1
L 108+10		L 110+45	4:1

LEGEND

- (4) CRUSHED SURFACING BASE COURSE
- (5) TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- (8) HMA CL. 3/8 IN. PG 64H-28
- (9) ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER
- (10) ROUNDABOUT CEMENT CONCRETE GUTTER (SEE DETAIL, PVD1) Δ

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ** AREA TO HAVE FIRST 0.25' LIFT OF HMA PLACED AND LATER REMOVED PRIOR TO PLACING CURB. SEE SHEETS CS1 - CS3 FOR MORE DETAIL.

PHASE 2 OVERLAY

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn
TIME	6:38:29 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009		
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

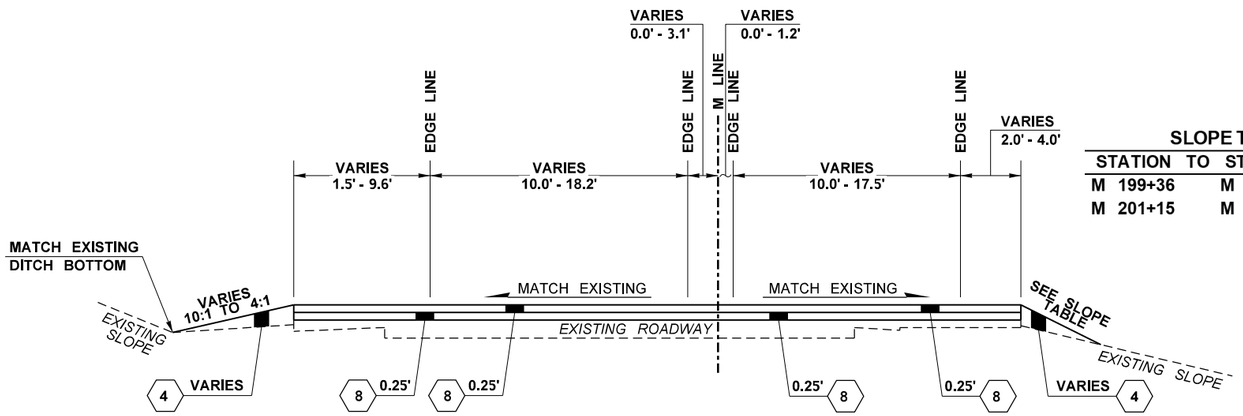
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 7

PLAN REF NO RS7

SHEET 11 OF 50 SHEETS



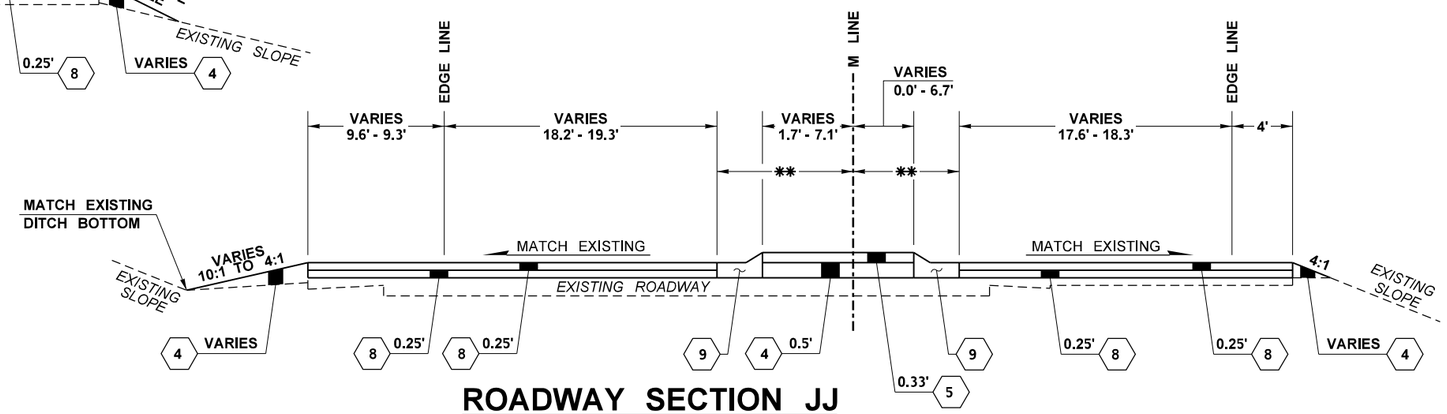
ROADWAY SECTION II

M 199+36 TO M 202+46

SEE, HMA BUTT JOINT OVERLAY TRANSITION, SHEET PVD1

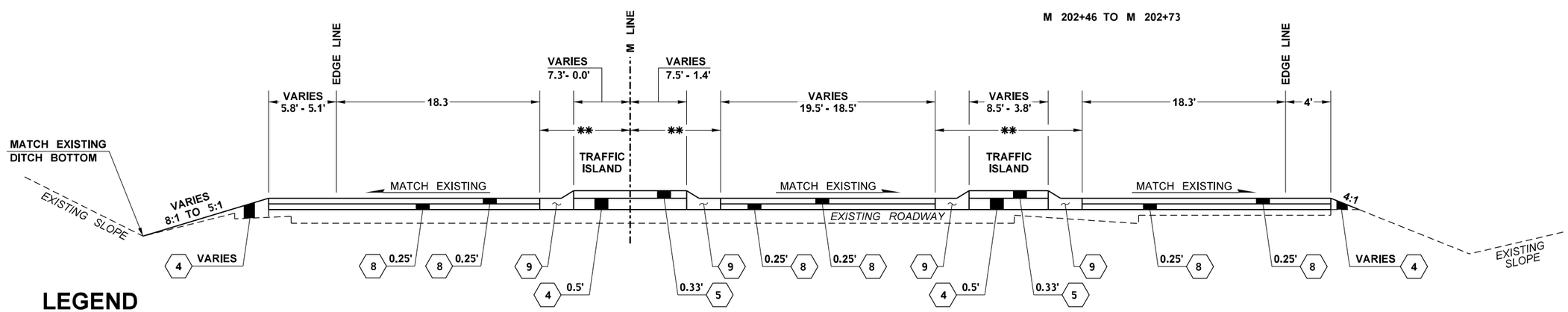
SLOPE TABLE

STATION	TO	STATION	SLOPE
M 199+36		M 201+15	2:1
M 201+15		M 202+46	4:1



ROADWAY SECTION JJ

M 202+46 TO M 202+73



ROADWAY SECTION KK

M 203+97 TO M 204+23

LEGEND

- (4) CRUSHED SURFACING BASE COURSE
- (5) TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- (8) HMA CL. 3/8 IN. PG 64H-28
- (9) ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ** AREA TO HAVE FIRST 0.25' LIFT OF HMA PLACED AND LATER REMOVED PRIOR TO PLACING CURB. SEE SHEETS CS1 - CS3 FOR MORE DETAIL.

PHASE 2 OVERLAY

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn			
TIME	6:38:29 AM			
DATE	10/31/2022			
PLOTTED BY	McCoyK			
DESIGNED BY	M. DE GROOT			
ENTERED BY	K. MCCOY			
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 21Y009		
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

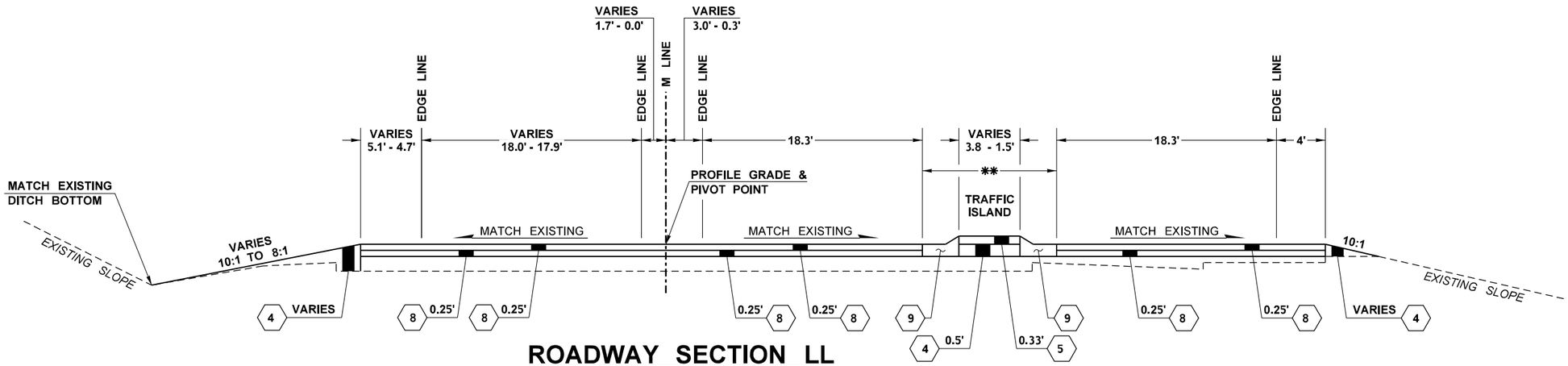
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 8

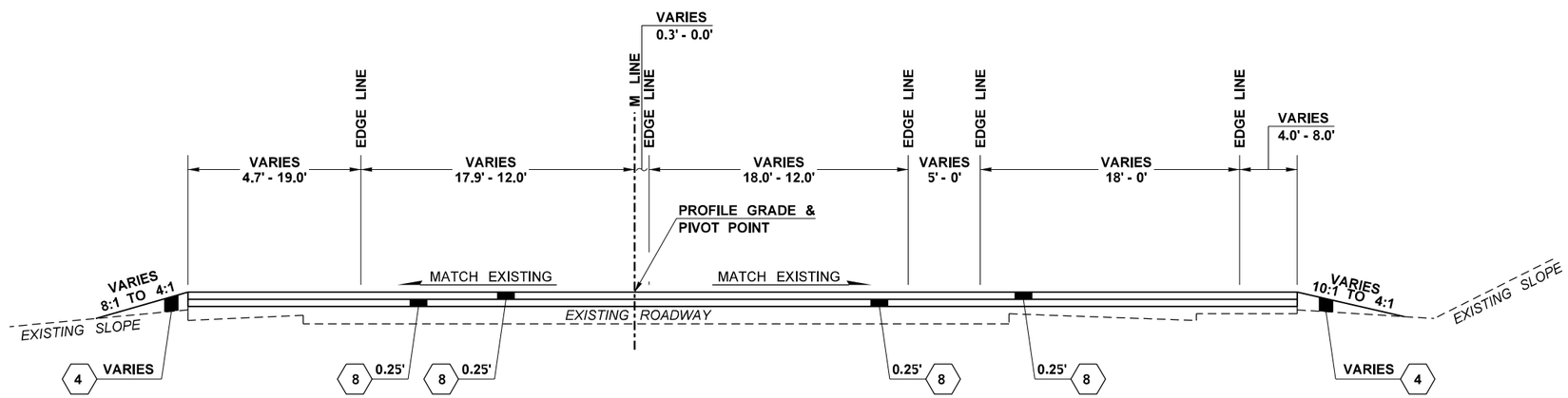
PLAN REF NO RS8

SHEET 12 OF 50 SHEETS



ROADWAY SECTION LL

M 204+23 TO M 204+43



ROADWAY SECTION MM

M 204+43 TO M 207+51

SEE, HMA BUTT JOINT OVERLAY TRANSITION, SHEET PVD1

LEGEND

- 4 CRUSHED SURFACING BASE COURSE
- 5 TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- 8 HMA CL. 3/8 IN. PG 64H-28
- 9 ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER

PHASE 2 OVERLAY

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY
4. ** AREA TO HAVE FIRST 0.25' LIFT OF HMA PLACED AND LATER REMOVED PRIOR TO PLACING CURB. SEE SHEETS CS1 - CS3 FOR MORE DETAIL.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:38:30 AM				JOB NUMBER 21Y009		
DATE	10/31/2022				CONTRACT NO.		LOCATION NO.
PLOTTED BY	McCoyK						
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
CHECKED BY	P. COOPER						
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

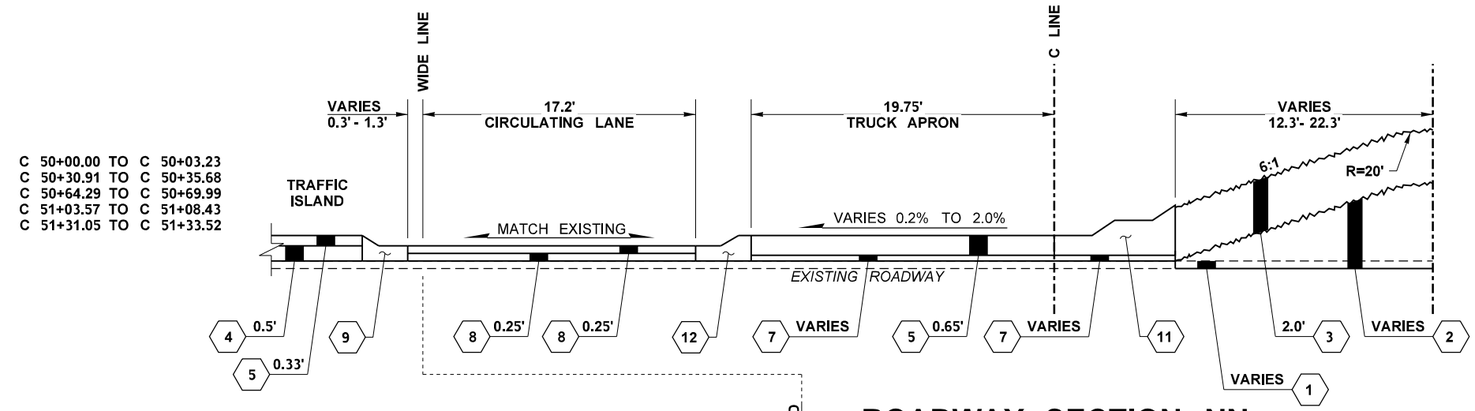
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 9

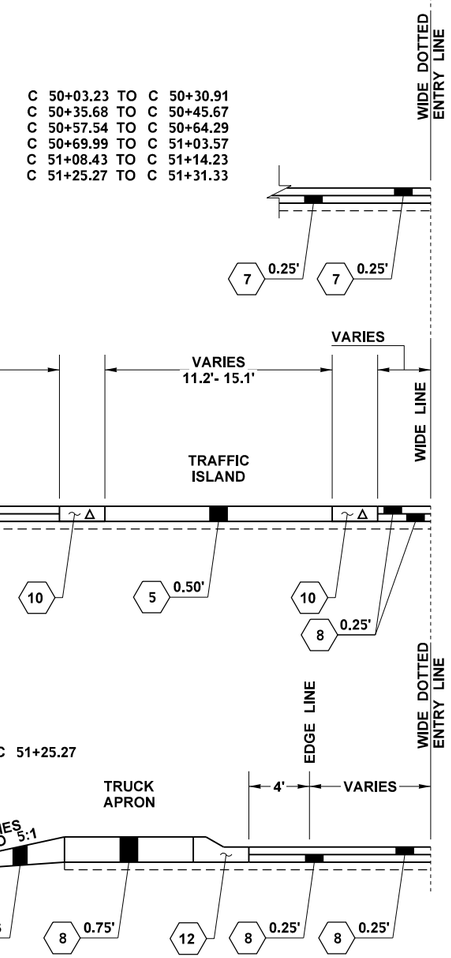
PLAN REF NO RS9

SHEET 13 OF 50 SHEETS



ROADWAY SECTION NN

C 50+00.00 TO C 51+33.52



LEGEND

1. ROADWAY EXCAVATION INCL. HAUL
2. EMBANKMENT COMPACTION
3. QUARRY SPALLS
4. CRUSHED SURFACING BASE COURSE
5. TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
7. HMA FOR PRELEVELING CL. 3/8 IN. PG 64H-28
8. HMA CL. 3/8 IN. PG 64H-28
9. ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER
10. ROUNDABOUT CEMENT CONCRETE GUTTER (SEE DETAIL, PVD1) Δ
11. ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB
12. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER

PHASE 2 OVERLAY

NOTES:

1. ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
2. REFER TO PAVING/PAVEMENT MARKING PLAN FOR MORE DETAIL.
3. ETW = EDGE OF TRAVELED WAY

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\050-RdwySec\XL6239_PS_RS_RA.dgn			
TIME	6:38:30 AM			
DATE	10/31/2022			
PLOTTED BY	McCoyK			
DESIGNED BY	M. DE GROOT			
ENTERED BY	K. MCCOY			
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 21Y009		
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

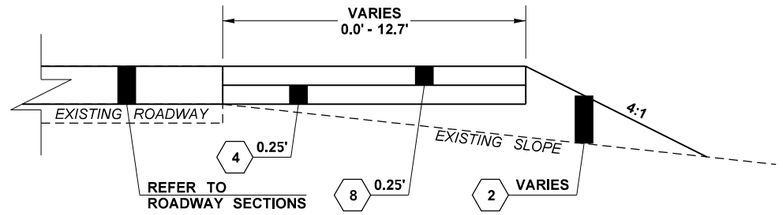
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY SECTIONS

Plot 10

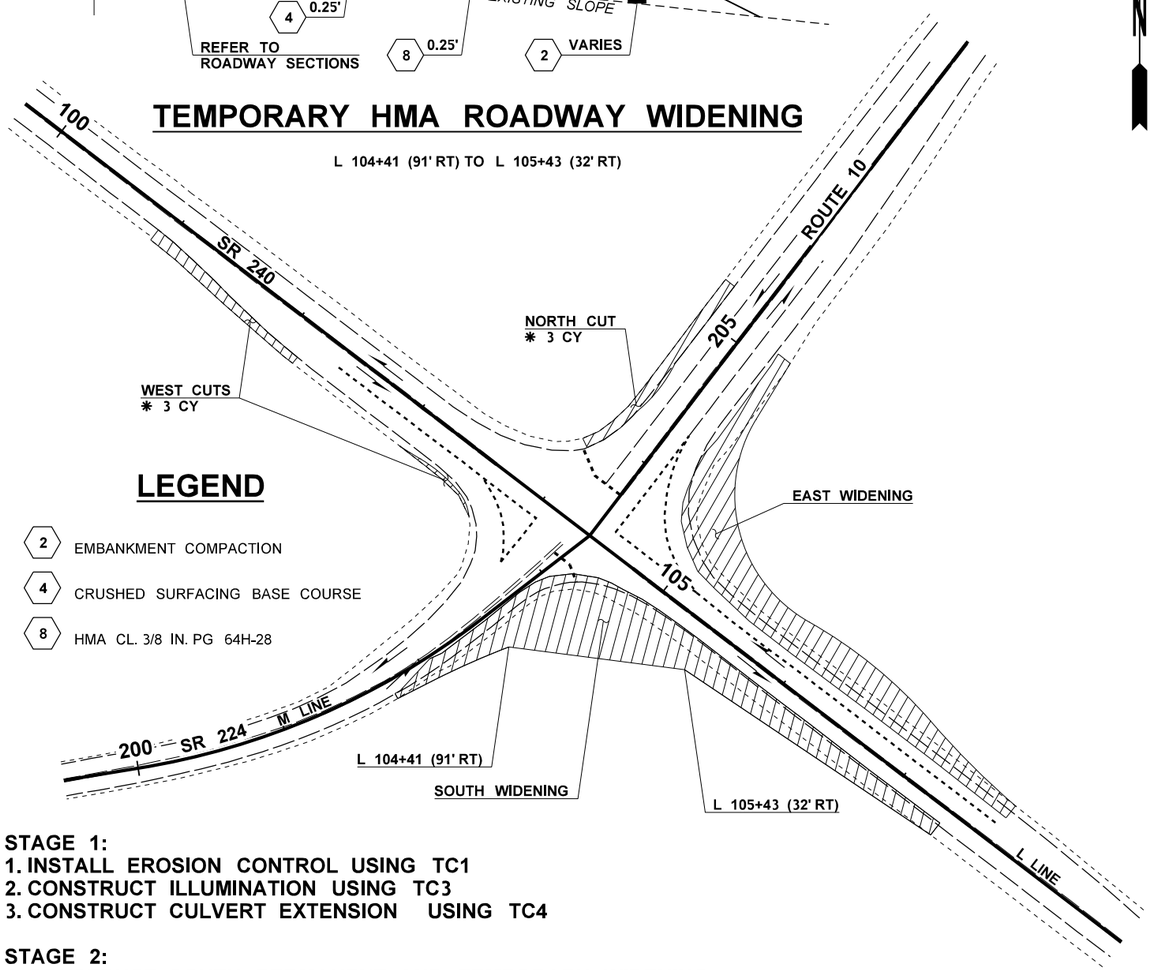
PLAN REF NO RS10

SHEET 14 OF 50 SHEETS



TEMPORARY HMA ROADWAY WIDENING

L 104+41 (91' RT) TO L 105+43 (32' RT)



LEGEND

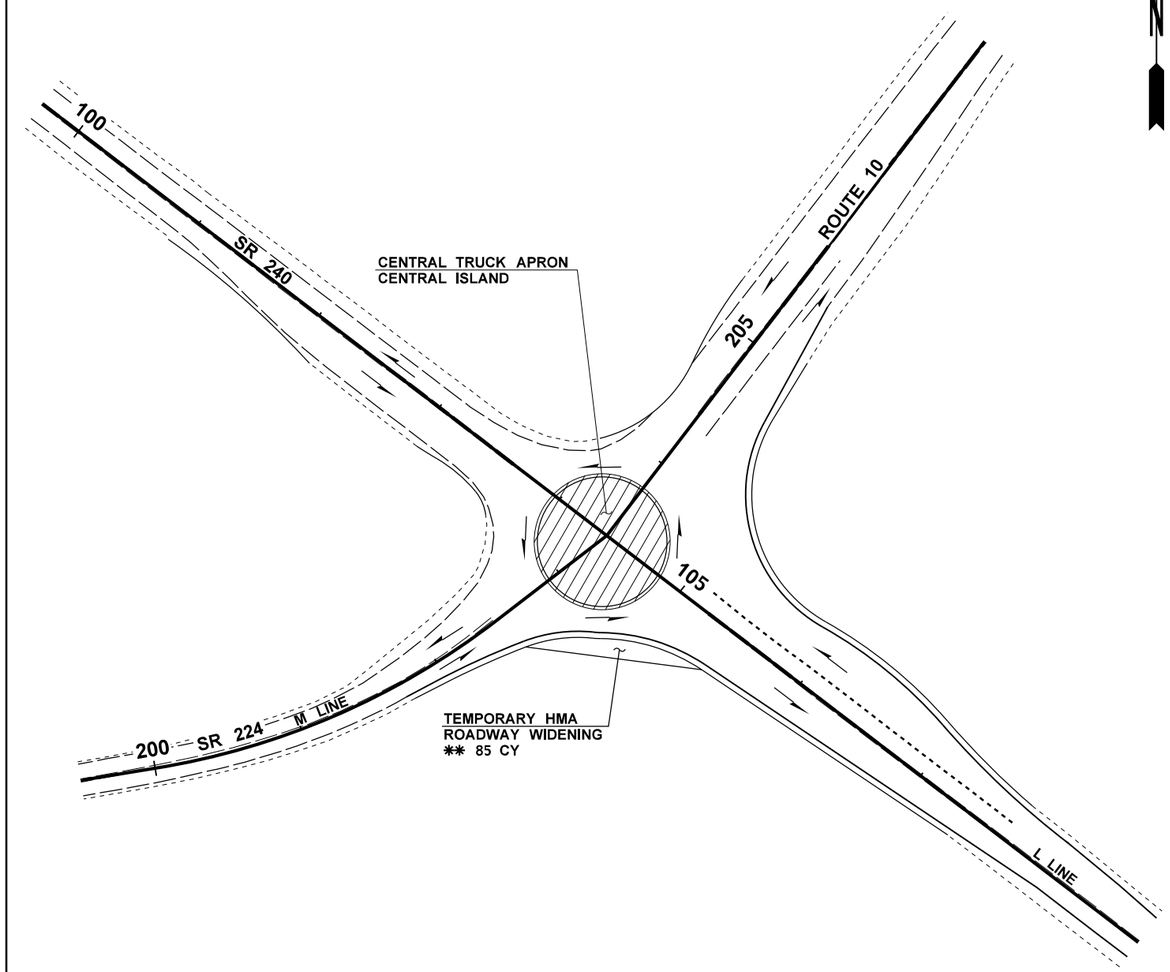
- (2) EMBANKMENT COMPACTION
- (4) CRUSHED SURFACING BASE COURSE
- (8) HMA CL. 3/8 IN. PG 64H-28

STAGE 1:
1. INSTALL EROSION CONTROL USING TC1
2. CONSTRUCT ILLUMINATION USING TC3
3. CONSTRUCT CULVERT EXTENSION USING TC4

STAGE 2:
1. CONSTRUCT SOUTH PERMANENT AND TEMPORARY WIDENING UP TO THE BASE LIFT OF HMA OVERLAY USING TC3
2. DEMOLISH NORTH SHOULDER CUT USING TC5

STAGE 3:
1. CONSTRUCT EAST WIDENING UP TO THE BASE LIFT OF HMA OVERLAY USING TC4
2. DEMOLISH WEST SHOULDER CUTS USING TC2

0 50 100
SCALE IN FEET



STAGE 4:
1. CONSTRUCT PRE- LEVELING AND LEVELING COURSE OF HMA OVERLAY USING TC6 - TC9

STAGE 5:
1. CONSTRUCT CENTRAL TRUCK APRON AND CENTRAL ISLAND USING TC6 - TC9

0 50 100
SCALE IN FEET

NOTES:
✱ ROADWAY EXCAVATION INCL. HAUL QUANTITIES
✱✱ EMBANKMENT COMPACTION QUANTITIES

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\070-StagingPlan\XL6239_PS_CS.dgn			
TIME	6:38:33 AM			
DATE	10/31/2022			
PLOTTED BY	McCoyK			
DESIGNED BY	M. DE GROOT			
ENTERED BY	K. MCCOY			
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 21Y009		
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

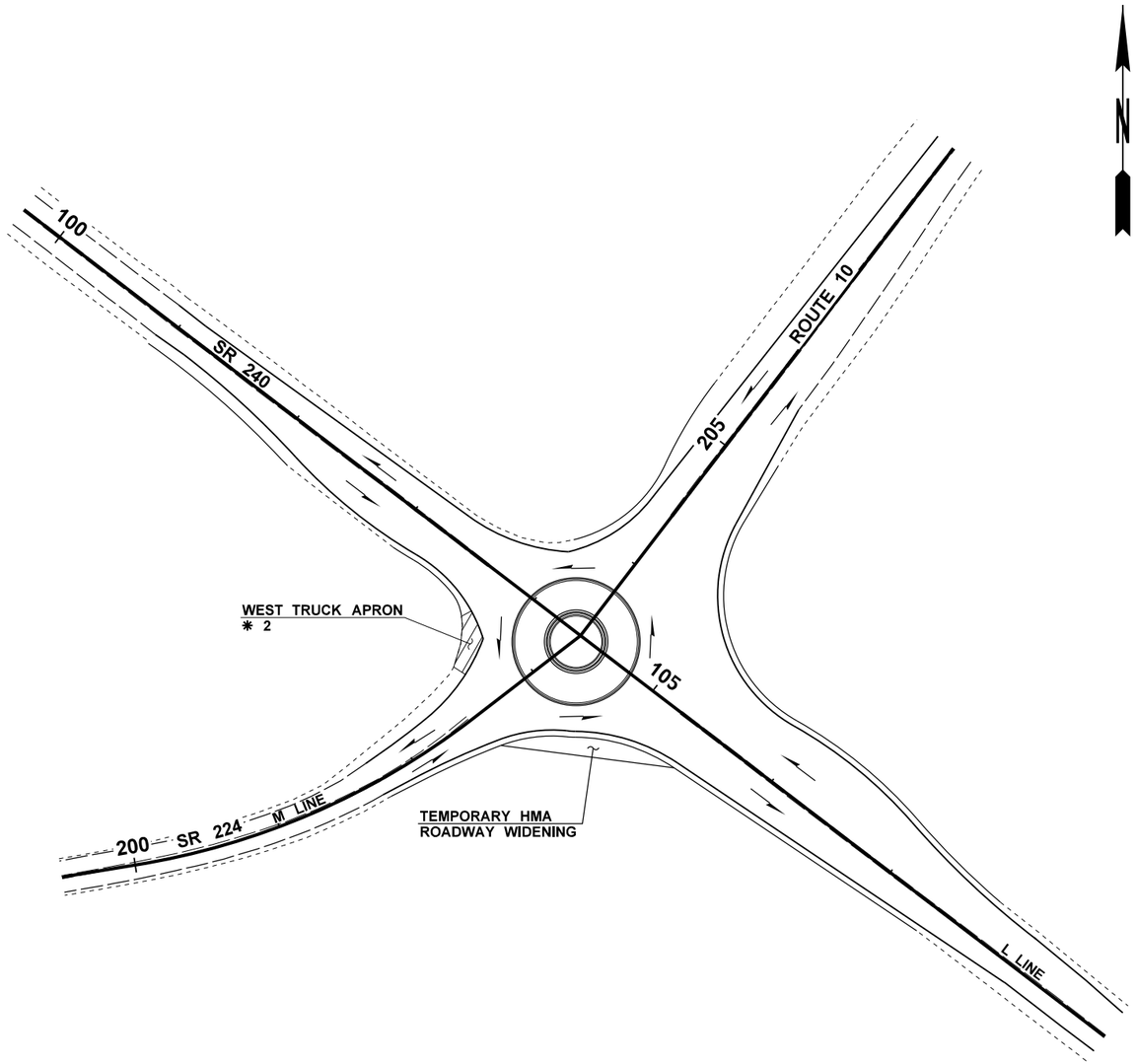
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

STAGED CONSTRUCTION PLAN

Plot 1

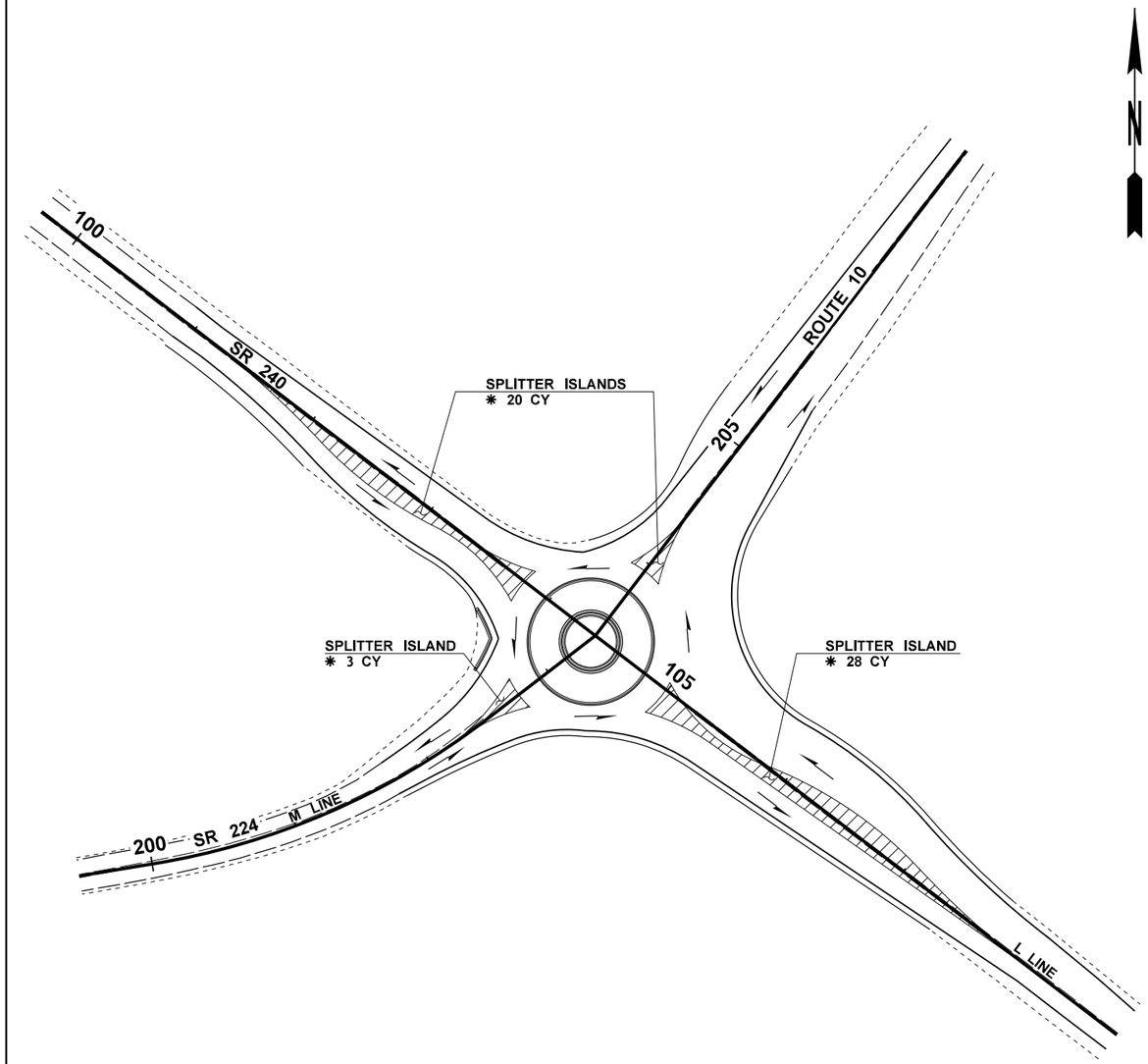
PLAN REF NO CS1

SHEET 15 OF 50 SHEETS



STAGE 6:
1. CONSTRUCT WEST OUTSIDE TRUCK APRON USING TC6

0 50 100
SCALE IN FEET



STAGE 7:
1. CONSTRUCT SPLITTER ISLANDS USING TC6 AND TC8

0 50 100
SCALE IN FEET

NOTES:
✱ ROADWAY EXCAVATION INCL. HAUL QUANTITIES

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\070-StagingPlan\XL6239_PS_CS.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:38:34 AM				JOB NUMBER 21Y009		
DATE	10/31/2022						
PLOTTED BY	McCoyK						
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
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

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

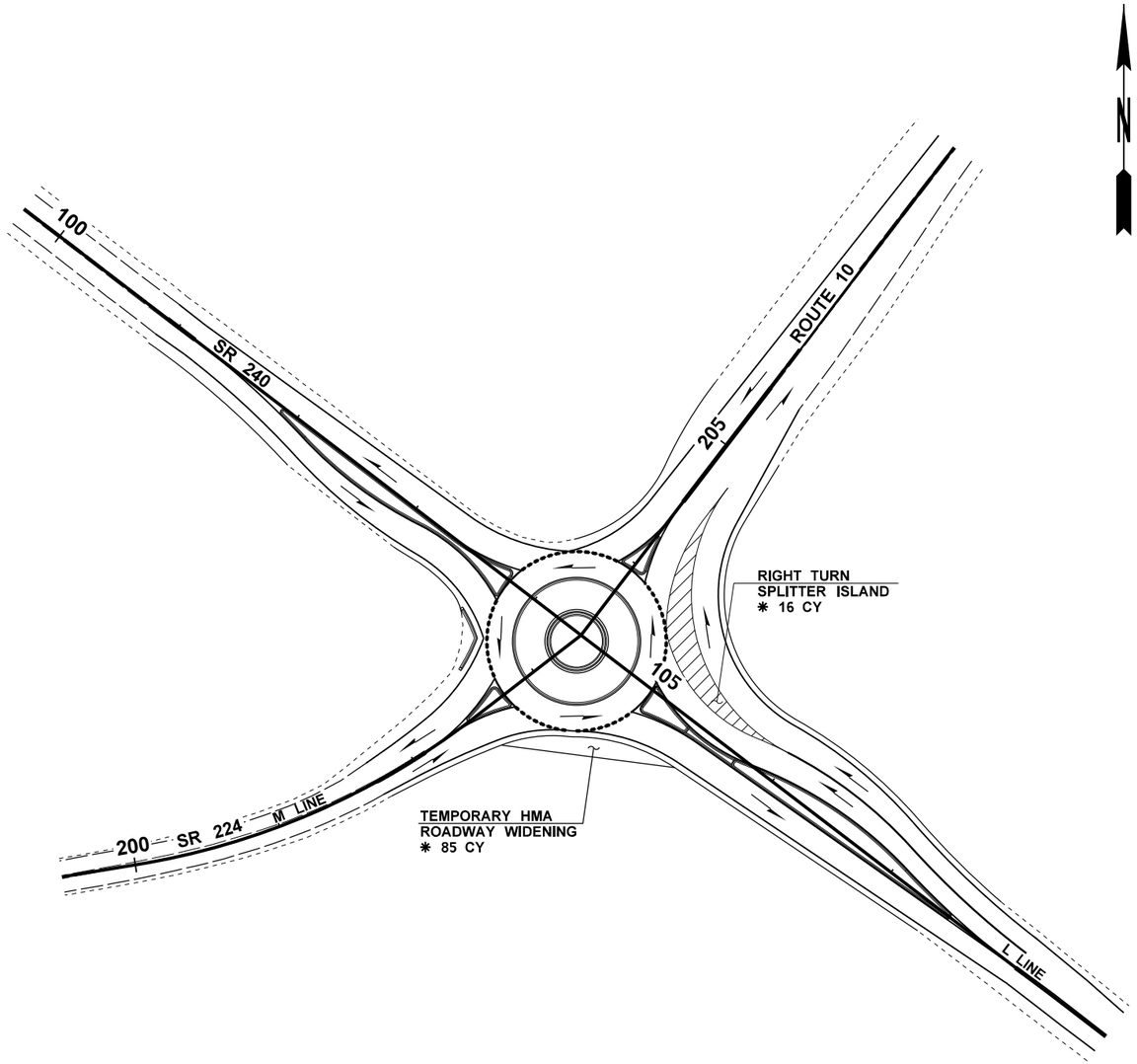
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

STAGED CONSTRUCTION PLAN

Plot 2

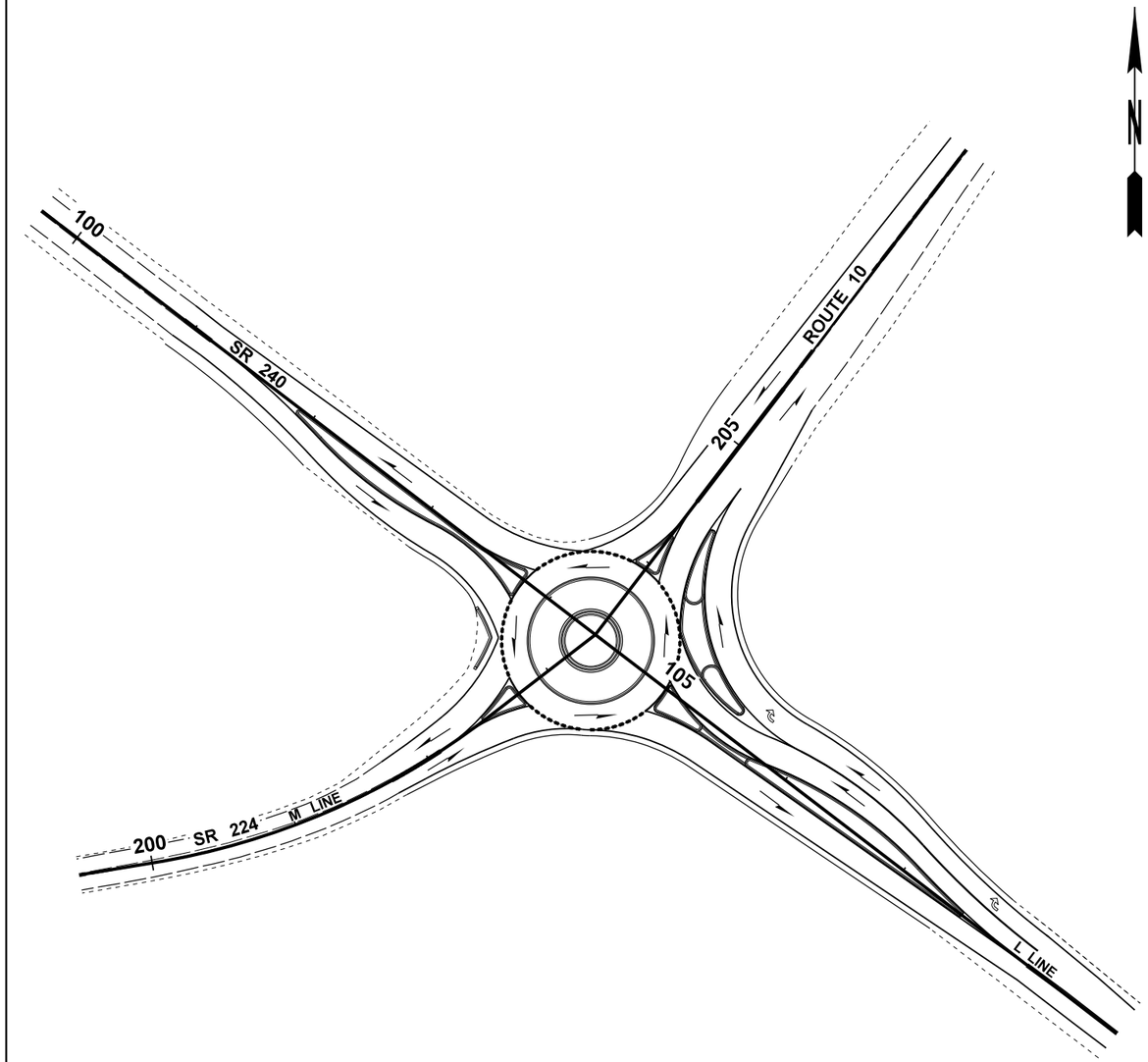
PLAN REF NO CS2

SHEET 16 OF 50 SHEETS



STAGE 8:
1. DEMOLISH TEMPORARY HMA WIDENING USING TC7
2. CONSTRUCT RIGHT TURN SPLITTER ISLAND USING TC8

0 50 100
SCALE IN FEET



STAGE 9:
1. CONSTRUCT WEARING COURSE OF HMA USING TC6 - TC9

STAGE 10:
1. PERFORM FINAL STRIPING AND CLEANUP USING TC6 - TC9

0 50 100
SCALE IN FEET

NOTES:
✱ ROADWAY EXCAVATION INCL. HAUL QUANTITIES

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\070-StagingPlan\XL6239_PS_CS.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:38:34 AM						
DATE	10/31/2022						
PLOTTED BY	McCoyK				JOB NUMBER 21Y009		
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
CHECKED BY	P. COOPER				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

ALEJANDRO SANGUINO STATE OF WASHINGTON 43327 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

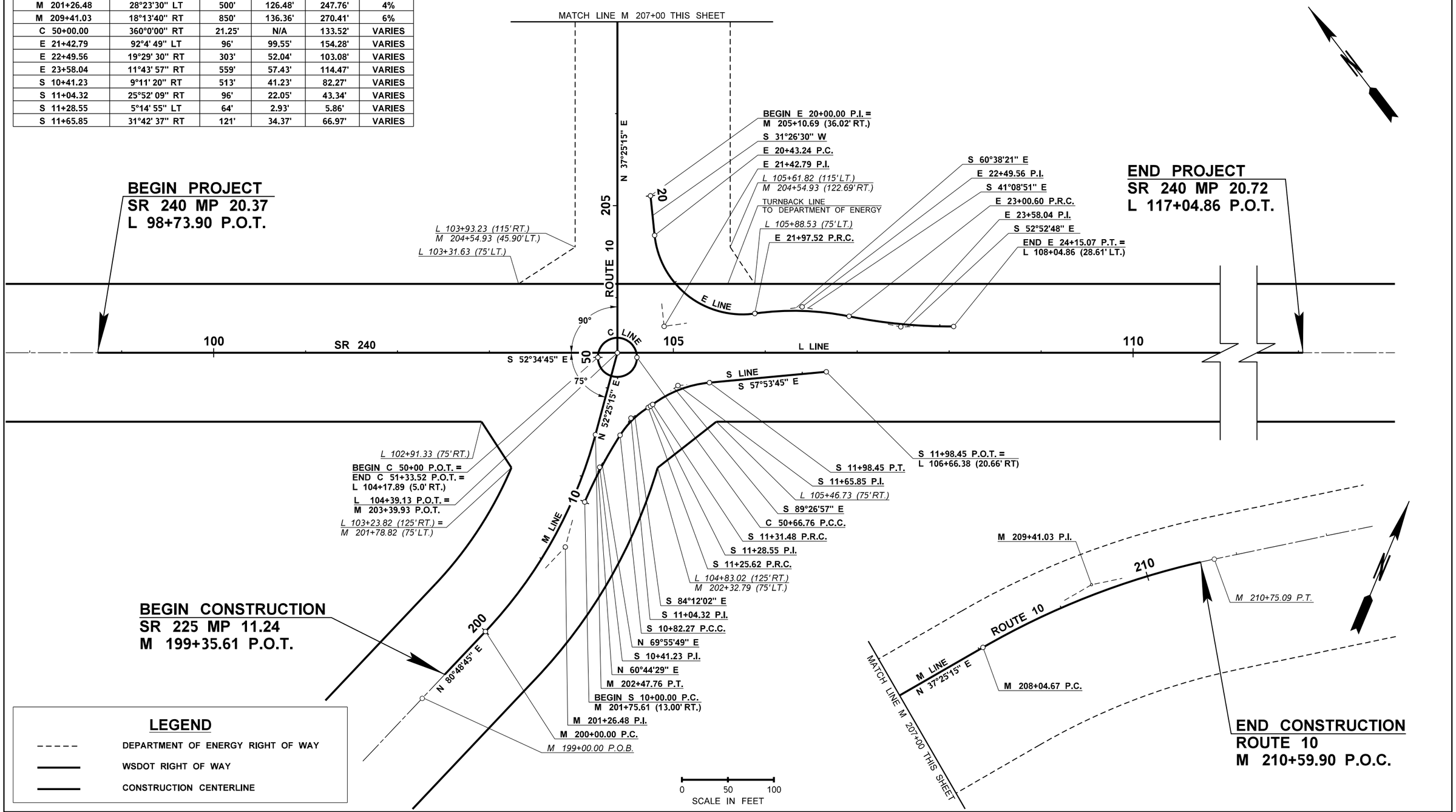
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

STAGED CONSTRUCTION PLAN

Plot 3
PLAN REF NO CS3
SHEET 17 OF 50 SHEETS

T.10N. R.27E. W.M.

CURVE DATA					
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH	S
M 201+26.48	28°23'30" LT	500'	126.48'	247.76'	4%
M 209+41.03	18°13'40" RT	850'	136.36'	270.41'	6%
C 50+00.00	360°0'00" RT	21.25'	N/A	133.52'	VARIES
E 21+42.79	92°4' 49" LT	96'	99.55'	154.28'	VARIES
E 22+49.56	19°29' 30" RT	303'	52.04'	103.08'	VARIES
E 23+58.04	11°43' 57" RT	559'	57.43'	114.47'	VARIES
S 10+41.23	9°11' 20" RT	513'	41.23'	82.27'	VARIES
S 11+04.32	25°52' 09" RT	96'	22.05'	43.34'	VARIES
S 11+28.55	5°14' 55" LT	64'	2.93'	5.86'	VARIES
S 11+65.85	31°42' 37" RT	121'	34.37'	66.97'	VARIES



LEGEND

- - - - - DEPARTMENT OF ENERGY RIGHT OF WAY
——— WSDOT RIGHT OF WAY
——— CONSTRUCTION CENTERLINE

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\080-AlignRWPlan\XL6239_PS_AL_RA.dgn			
TIME	6:38:36 AM			
DATE	10/31/2022			
PLOTTED BY	McCoyK			
DESIGNED BY	M. DE GROOT			
ENTERED BY	M. DE GROOT			
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 21Y009
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 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ALIGNMENT/ RIGHT OF WAY PLAN

Plot 1
PLAN REF NO AL1
SHEET 18 OF 50 SHEETS

QUANTITY TABULATION - SITE PREPARATION/ UTILITY

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	SCHEDULE A CULV. PIPE 18 IN. DIAM.		WATTLE		HIGH VISIBILITY FENCE											SEE GENERAL NOTES
		L.F.		L.F.		L.F.											
SP1-1	M 199+35 (23' RT) to L 110+45 (29' RT)			950													
SP1-2	M 199+35 (24' RT) to L 110+45 (30' RT)					950											
SP1-3	M 207+51 (34' RT) to L 105+63 (62' LT)			420													
SP1-4	M 207+51 (35' RT) to L 110+45 (32' LT)					880											
SP1-5	M 204+16.4 (50 RT) to M 204+16.5 (80 RT)	30															1
SP1-6	L 108+59 (40' LT) to L 110+45 (31' LT)			200													
	SHEET TOTAL	30		1570		1830											
	PROJECT TOTAL	30		1570		1830											

GENERAL NOTES:

1. SEE DRAINAGE PLAN, DP1.

DESIGNED BY	K. MCCOY					REGION NO.	STATE	FED. AID PROJ. NO.
ENTERED BY	K. MCCOY					10	WASH	
CHECKED BY	P. COOPER					JOB NUMBER		
PROJ. ENGR.	A. SANGUINO					21Y009		
REGION ADM.	T. TREPANIER					CONTRACT NO.		
		DATE	DATE	REVISION	BY			

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

QUANTITY TABULATION - SITE PREPARATION/ UTILITY

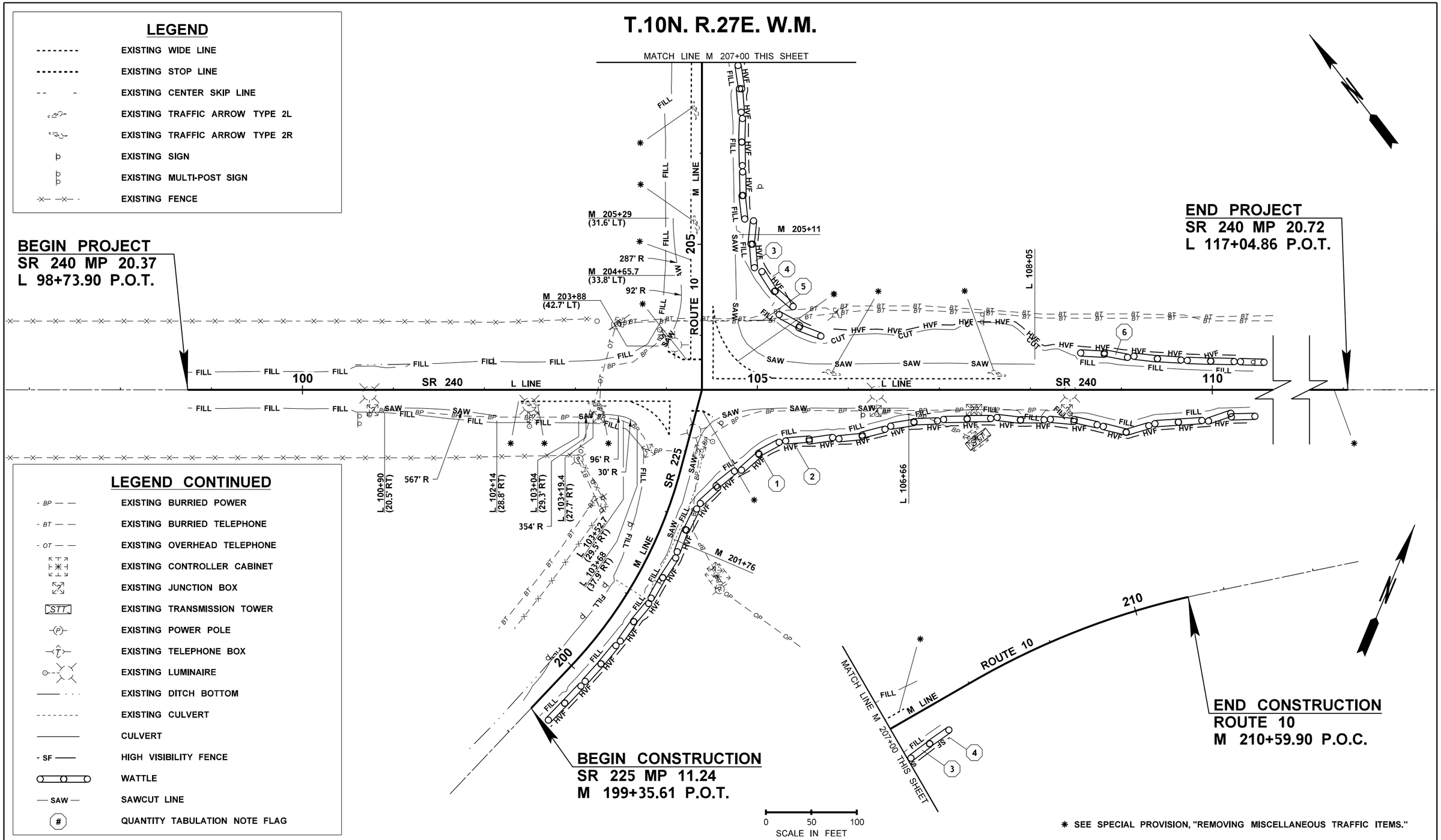
T.10N. R.27E. W.M.

LEGEND

- EXISTING WIDE LINE
- EXISTING STOP LINE
- EXISTING CENTER SKIP LINE
- EXISTING TRAFFIC ARROW TYPE 2L
- EXISTING TRAFFIC ARROW TYPE 2R
- EXISTING SIGN
- EXISTING MULTI-POST SIGN
- EXISTING FENCE

LEGEND CONTINUED

- EXISTING BURRIED POWER
- EXISTING BURRIED TELEPHONE
- EXISTING OVERHEAD TELEPHONE
- EXISTING CONTROLLER CABINET
- EXISTING JUNCTION BOX
- EXISTING TRANSMISSION TOWER
- EXISTING POWER POLE
- EXISTING TELEPHONE BOX
- EXISTING LUMINAIRE
- EXISTING DITCH BOTTOM
- EXISTING CULVERT
- CULVERT
- HIGH VISIBILITY FENCE
- WATTLE
- SAWCUT LINE
- QUANTITY TABULATION NOTE FLAG



✱ SEE SPECIAL PROVISION, "REMOVING MISCELLANEOUS TRAFFIC ITEMS."

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\100-SitePrepPlan\XL6239_PS_SP_RA.dgn						
TIME	6:38:39 AM						
DATE	10/31/2022						
PLOTTED BY	McCoyK						
DESIGNED BY	M. DE GROOT						
ENTERED BY	M. DE GROOT						
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 21Y009		
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

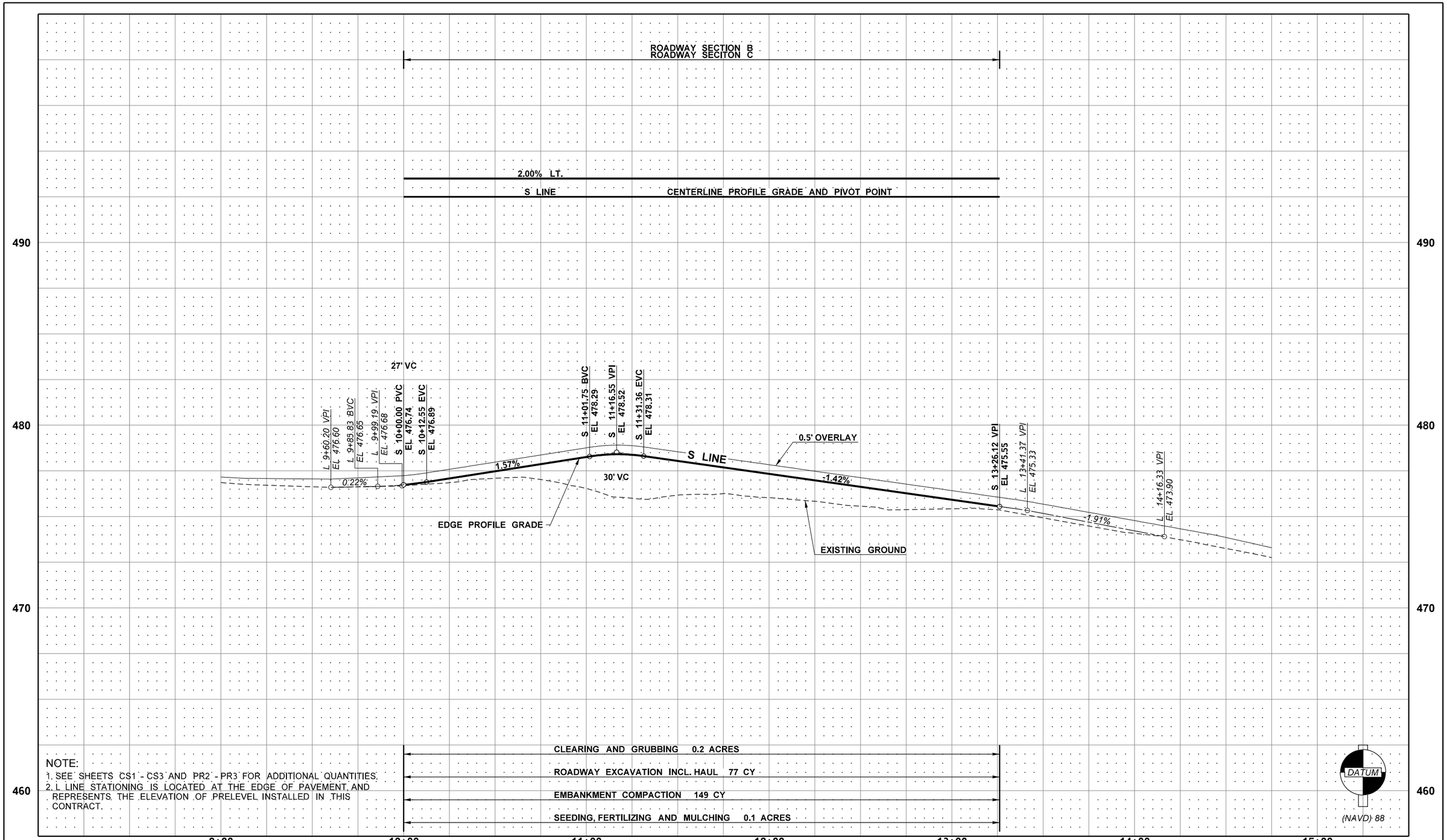
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

SITE PREP / UTILITY PLAN

Plot 1

PLAN REF NO SP1

SHEET 20 OF 50 SHEETS



NOTE:
1. SEE SHEETS CS1 - CS3 AND PR2 - PR3 FOR ADDITIONAL QUANTITIES.
2. L LINE STATIONING IS LOCATED AT THE EDGE OF PAVEMENT, AND REPRESENTS THE ELEVATION OF PRELEVEL INSTALLED IN THIS CONTRACT.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\120-RdwyProf\XL6239_PR_AL.dgn
TIME	6:38:41 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009		
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

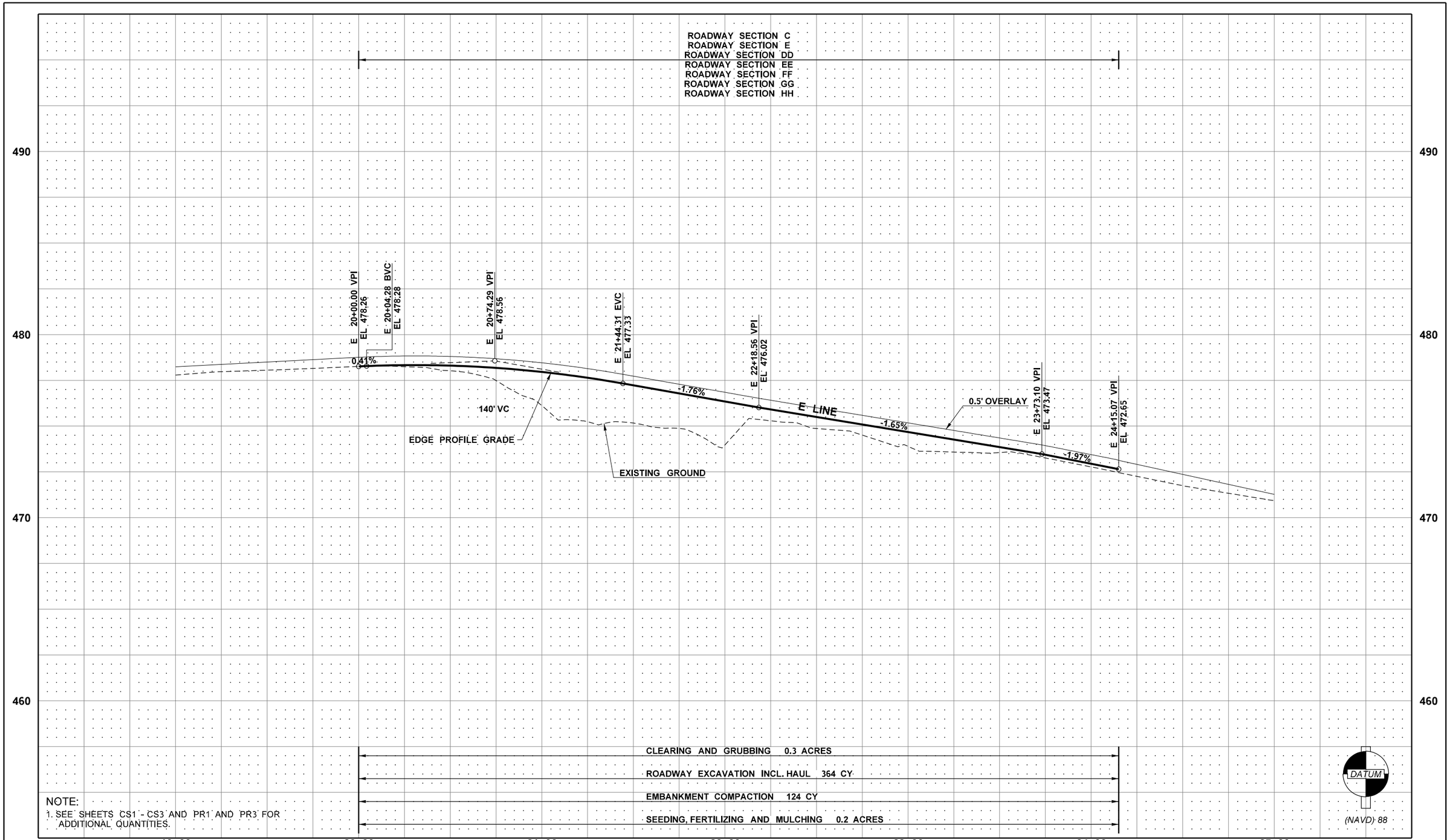
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY PROFILE

Plot 1

PLAN REF. NO. PR1

SHEET 21 OF 50 SHEETS



NOTE:
1. SEE SHEETS CS1 - CS3 AND PR1 AND PR3 FOR ADDITIONAL QUANTITIES.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\120-RdwyProf\XL6239_PR_AL.dgn			
TIME	6:38:41 AM			
DATE	10/31/2022			
PLOTTED BY	McCoyK			
DESIGNED BY	M. DE GROOT			
ENTERED BY	M. DE GROOT			
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 21Y009		
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

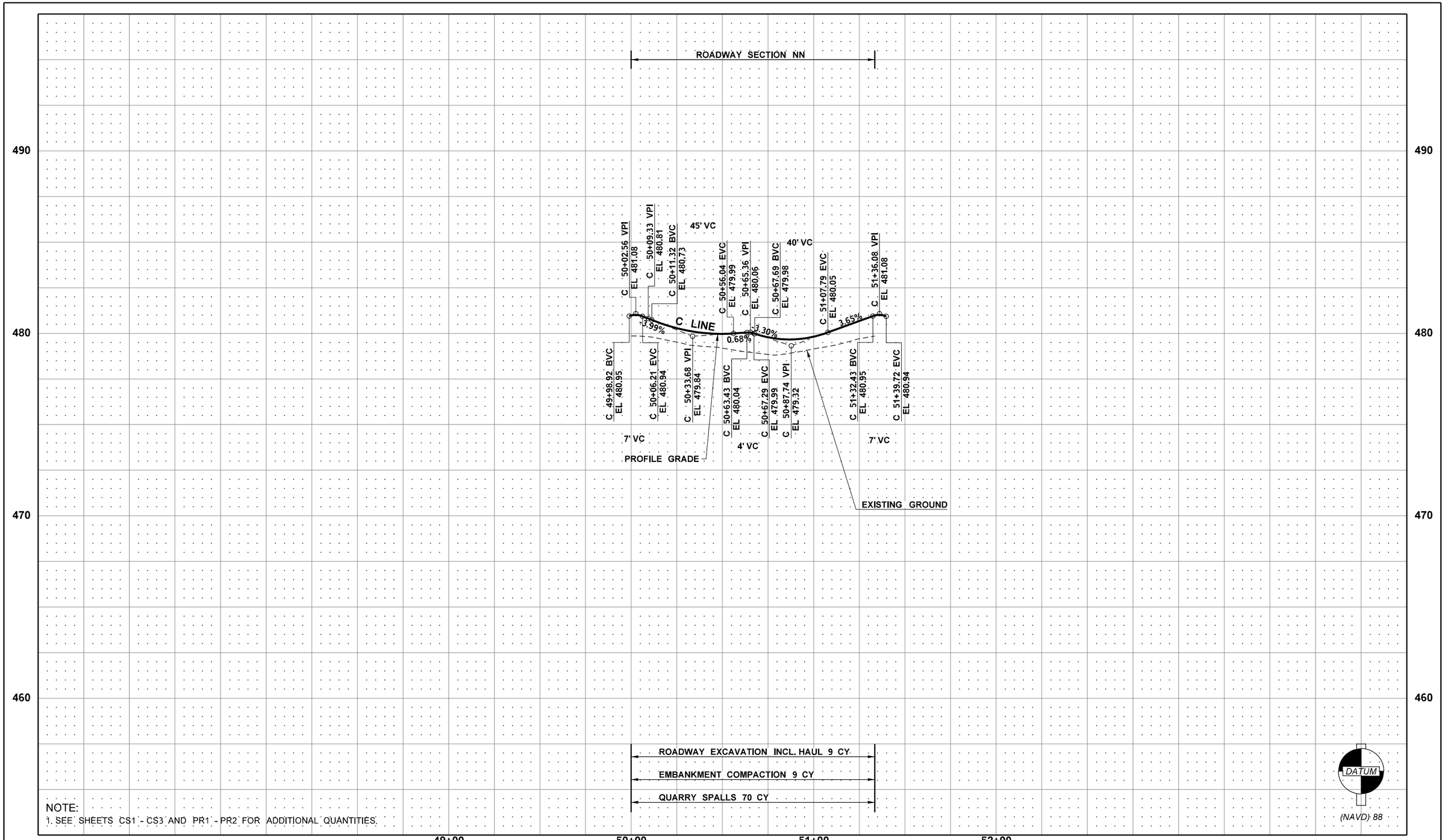
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY PROFILE

Plot 2

PLAN REF. NO. PR2

SHEET 22 OF 50 SHEETS



NOTE:
1. SEE SHEETS CS1 - CS3 AND PR1 - PR2 FOR ADDITIONAL QUANTITIES.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\120-RdwyProf\XL6239_PR_AL.dgn
TIME	6:38:42 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009		
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

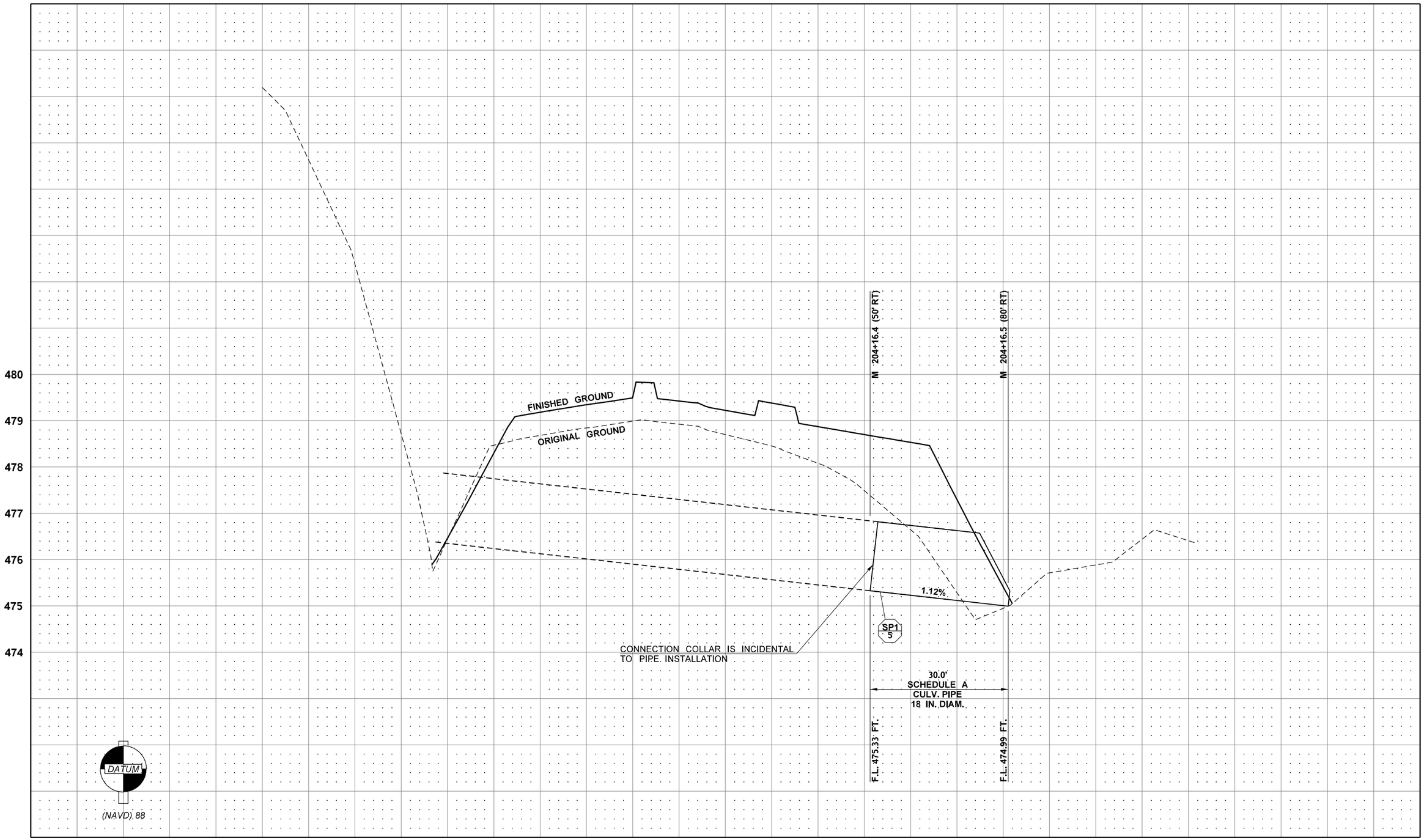
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROADWAY PROFILE

Plot 3

PLAN REF. NO. PR3

SHEET 23 OF 50 SHEETS



FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\160-DrainProf\XL6239_PR_DR.dgn
TIME	6:38:43 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009		
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 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

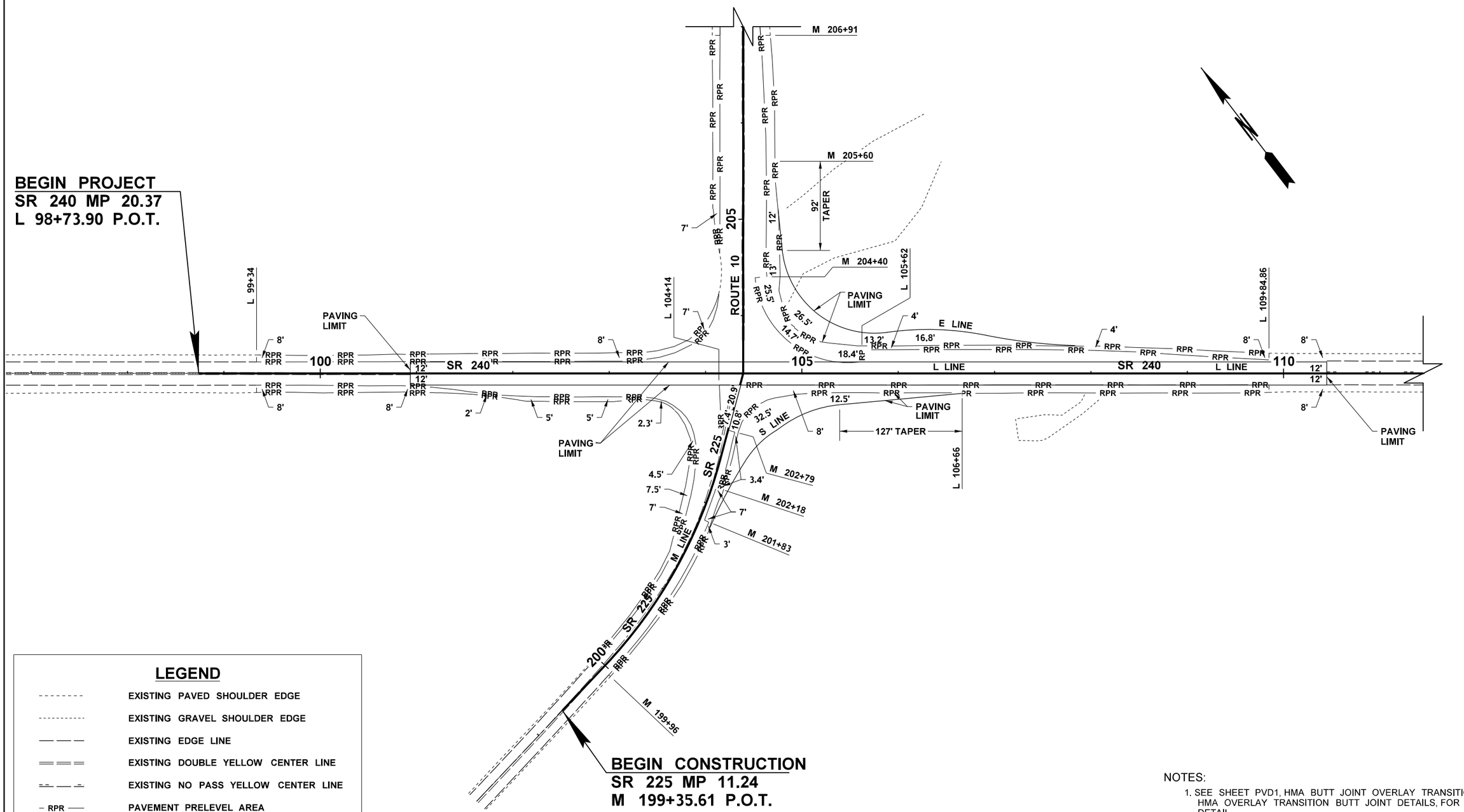
DRAINAGE PROFILE

Plot 1

PLAN REF. NO.
DP1

SHEET 24 OF 50 SHEETS

T.10N. R.27E. W.M.



LEGEND

- - - - - - - -	EXISTING PAVED SHOULDER EDGE
- - - - - - - - - -	EXISTING GRAVEL SHOULDER EDGE
— — —	EXISTING EDGE LINE
═ ═ ═	EXISTING DOUBLE YELLOW CENTER LINE
- - - — - -	EXISTING NO PASS YELLOW CENTER LINE
– RPR —	PAVEMENT PRELEVEL AREA
———	PAVED EDGE OF SHOULDER

NOTES:

1. SEE SHEET PVD1, HMA BUTT JOINT OVERLAY TRANSITION AND HMA OVERLAY TRANSITION BUTT JOINT DETAILS, FOR MORE DETAIL.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\250-PavingPlan\XL6239_PS_PV_RA.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:38:45 AM				JOB NUMBER 21Y009		
DATE	10/31/2022						
PLOTTED BY	McCoyK						
DESIGNED BY	M. DE GROOT				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. DE GROOT						
CHECKED BY	P. COOPER						
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 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

PAVEMENT REPAIR / WIDENING PLAN

Plot 1

PLAN REF NO PV1

SHEET 25 OF 50 SHEETS

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		ROUNDABOUT CEMENT CONCRETE GUTTER	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER		PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC WIDE LINE		PLASTIC TRAFFIC ARROW	PLASTIC JUNCITON BOX MARKING		SEE GENERAL NOTES
		S.Y.	EACH	L.F.		L.F.	L.F.	L.F.		L.F.	L.F.	L.F.		EACH	EACH		
PM1-1	L 98+73.9 (12.0' LT) to L 101+89.0 (12.0' LT)									315							9
PM1-2	L 98+73.9 to L 101+13.9									240							7
PM1-3	L 98+73.9 (12.0' RT) to L 101+89.0 (16.9' RT)									315							9
PM1-4	L 100+75.6 (15.0' RT)														1		
PM1-5	M 199+35.6 (10.6' LT) to M 201+25.4 (10.7' LT)									187							9
PM1-6	M 199+35.6 to M 201+25.4									190							7
PM1-7	M 199+35.6 (10.7' RT) to M 201+25.4 (9.6' RT)									192							9
PM1-8	L 104+72.9 (54.6' RT) to L 108+04.9 (12.0' RT)										339						9
PM1-9	L 104+97.2 (20.2' RT) to L 108+04.9										309						10
PM1-10	L 104+98.2 (5.7' LT) to L 108+04.9										311						10
PM1-11	L 105+07.8 (63.8' LT) to L 108+04.9 (24.0' LT)										305						9
PM1-12	L 105+96.4 (21.7' LT) to L 108+04.9 (12.0' LT)										210						11
PM1-13	L 107+29.5 (31.5' LT)														1		
PM1-14	L 107+38.0 (17.0' RT)														2		
PM1-15	L 107+67.1 (19.6' LT)													1			13
PM1-16	L 108+04.9 (24' LT) to L 110+44.9 (12.0' LT)									240							9
PM1-17	L 108+04.9 to L 109+90.6									186							7
PM1-18	L 108+04.9 (12.0' RT) to L 110+44.9 (12.0' RT)									240							9
PM1-19	L 108+39.8 (14.4' RT)														1		
PM1-20	L 109+90.6 TO L 117+04.9									714							8
PM1-21	M 204+77.7 (16.2' LT) to M 210+59.9 (11.6' LT)									586							9
PM1-22	M 204+77.7 to M 207+50.9									273							7
PM1-23	M 204+77.7 (35.1' RT) to M 207+50.9 (14.7' RT)									274							9
PM2-1	L 101+13.9 to L 101+89.0									75							10
PM2-2	L 101+13.9 to L 101+89.0 (4.8' RT)									75							10
PM2-3	L 101+89.0 (12.0' LT) to L 103+98.5 (39.7' LT)										214						9
PM2-4	L 101+89.0 to L 103+81.1 (10.2' LT)										193						10
PM2-5	L 101+89.0 (4.8' RT) to L 103+80.1 (15.7' RT)										194						10
PM2-6	L 101+89.0 (16.9' RT) to L 103+88.6 (41.2' RT)										204						9
PM2-7	L 102+53.3 (27.6' RT)														1		
PM2-8	L 103+25.4 (25.6' RT)														1		
PM2-9	L 104+57.1 (137.8' LT) to L 105+96.4 (21.7' LT)										207						10
PM2-10	L 104+82.8 (36.5' LT) to L 105+96.4 (21.7' LT)										120						9
	SHEET TOTAL									4102	2606			1	7		

GENERAL NOTES:

1. SEE STANDARD PLAN, F-10.18
2. SEE STANDARD PLAN, F-10.18 - CURB 1
3. SEE STANDARD PLAN, F-10.18 - CURB 2
4. SEE STANDARD PLAN, F-10.18 - CURB 3
5. SEE STANDARD PLAN, M 12.10 - ROUNDABOUT
6. SEE DETAIL ON PVD1, ROUNDABOUT CEMENT CONCRETE GUTTER.
7. DOUBLE CENTERLINE YELLOW
8. NO PASS CENTERLINE YELLOW
9. EDGE LINE WHITE
10. EDGE LINE YELLOW
11. WIDE EDGE LINE & WIDE SOLID LANE LINE WHITE
12. PAINTED WIDE DOTTED ENTRY LINE
13. TYPE 2R

		DATE	DATE	REVISION	BY
DESIGNED BY	K. MCCOY				
ENTERED BY	K. MCCOY				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGION ADM.	T. TREPANIER				

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

JOB NUMBER 21Y009

CONTRACT NO.

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

QPV 1

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		ROUNDABOUT CEMENT CONCRETE GUTTER	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER		PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC WIDE LINE		PLASTIC TRAFFIC ARROW	PLASTIC JUNCITON BOX MARKING		SEE GENERAL NOTES
		S.Y.	EACH	L.F.		L.F.	L.F.	L.F.		L.F.	L.F.	L.F.		EACH	EACH		
PM2-11	L 105+44.0 (45.3' LT)														1		
PM2-12	L 105+82.3 (28.8' LT)													1			13
PM2-13	L 106+30.6 (22.4' RT)														1		
PM2-14	M 201+25.4 (10.7' LT) to M 202+87.1 (38.2' LT)										162						9
PM2-15	M 201+25.4 to M 202+10.3										85						7
PM2-16	M 201+25.4 (9.6' RT) to M 202+95.9 (46.8' RT)										182						9
PM2-17	M 202+10.3 to M 202+76.7 (12.5' LT)										69						10
PM2-18	M 202+10.3 to M 202+75.9 (11.0' RT)										68						10
PM2-19	M 202+20.0 (20.7' LT)														1		
PM2-20	M 202+60.2 (26.5' RT)														1		
PM2-21	M 202+63.7 (34.7' LT)														1		
PM2-22	M 203+76.4 (43.7' RT) to M 204+77.7 (18.0' RT)										107						9
PM2-23	M 203+79.6 (40.7' LT) to M 204+77.7 (16.2' LT)										103						9
PM2-24	M 203+93.6 (12.6' RT) to M 204+52.2										61						10
PM2-25	M 203+94.0 (10.7' LT) to M 204+52.2										60						10
PM2-26	M 203+94.4 (33.4' LT)														1		
PM2-27	M 204+03.8 (68.7' RT) to M 204+77.7 (35.1' RT)										83						9
PM2-28	M 204+47.3 (43.3' RT)														1		
PM2-29	M 204+52.2 to M 204+77.7										26						7
PM2-30	C 50+05.4 (38.8' LT) to C 50+29.6 (38.8' LT)											68					5,12
PM2-31	C 50+29.6 (38.8' LT) to C 50+37.9 (38.8' LT)											23					11
PM2-32	C 50+37.9 (38.8' LT) to C 50+63.0 (38.8' LT)											71					5,12
PM2-33	C 50+63.0 (38.8' LT) to C 50+72.2 (38.8' LT)											26					11
PM2-34	C 50+72.2 (38.8' LT) to C 50+86.5 (38.8' LT)											40					5,12
PM2-35	C 50+88.3 (41.2' LT)														1		
PM2-36	C 50+88.4 (38.8' LT) to C 51+02.2 (38.8' LT)											39					5,12
PM2-37	C 51+02.2 (38.8' LT) to C 51+10.6 (38.8' LT)											24					11
PM2-38	C 51+10.6 (38.8' LT) to C 51+29.7 (38.8' LT)											54					5,12
PM2-39	C 51+29.7 (38.8' LT) to C 50+05.4 (38.8' LT)											26					11
RTD1-1	L 101+89.0 (2.4' RT)		1														1
RTD1-2	L 101+89.8 to L 103+77.7	123.9															
RTD1-3	L 101+90.6 (1.0' RT) to L 103+72.8 (5.1' RT)			183													3
RTD1-4	L 101+90.3 (4.0' RT) to L 103+77.9 (12.8' RT)			190													3
RTD1-5	L 103+76.7 (5.2' LT)		1														1
	SHEET TOTAL	123.9	2	373							1006	371		1	8		

GENERAL NOTES:

1. SEE STANDARD PLAN, F-10.18
2. SEE STANDARD PLAN, F-10.18 - CURB 1
3. SEE STANDARD PLAN, F-10.18 - CURB 2
4. SEE STANDARD PLAN, F-10.18 - CURB 3
5. SEE STANDARD PLAN, M 12.10 - ROUNDABOUT
6. SEE DETAIL ON PVD1, ROUNDABOUT CEMENT CONCRETE GUTTER.
7. DOUBLE CENTERLINE YELLOW
8. NO PASS CENTERLINE YELLOW
9. EDGE LINE WHITE
10. EDGE LINE YELLOW
11. WIDE EDGE LINE & WIDE SOLID LANE LINE WHITE
12. PAINTED WIDE DOTTED ENTRY LINE
13. TYPE 2R

DESIGNED BY	K. MCCOY				
ENTERED BY	K. MCCOY				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGION ADM.	T. TREPANIER				
		DATE	**DATE**	**REVISION**	**BY**

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

JOB NUMBER 21Y009

CONTRACT NO.

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

QPV 2

SHEET 27 **OF** 50 **SHEETS**

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

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

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

CODE	LOCATION ➢ \ UNIT OF MEASURE ➢	TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		ROUNDABOUT CEMENT CONCRETE GUTTER	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER		PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC WIDE LINE		PLASTIC TRAFFIC ARROW	PLASTIC JUNCITON BOX MARKING		SEE GENERAL NOTES
		S.Y.	EACH	L.F.		L.F.	L.F.	L.F.		L.F.	L.F.	L.F.		EACH	EACH		
RTD1-6	L 103+77.6 (1.3' LT) to L 103+77.9 (12.8' RT)			14													3
RTD1-7	L 105+00.4 (2.8' LT) to L 105+00.7 (11.3' RT)			14													3
RTD1-8	L 105+01.6 (15.2' RT)		1														1
RTD1-9	L 105+00.6 to L 105+33.7	32.2															
RTD1-10	L 105+00.4 (2.8' LT) to L 105+31.2 (4.9' RT)			32													3
RTD1-11	L 105+05.5 (15.1' RT) to L 105+31.2 (10.0' RT)			26													3
RTD1-12	L 105+33.7 (7.5' RT)		1														1
RTD1-13	L 105+33.6 (5.2' RT) to L 105+71.7 (3.5' RT)					38											6
RTD1-14	L 105+33.5 (9.7' RT) to L 105+72.3 (8.0' RT)					39											6
RTD1-15	L 105+34.1 to L 105+71.6	7.8															
RTD1-16	L 105+71.8 (5.8' RT)		1														1
RTD1-17	L 105+74.00 to L 107+47.7	189.5															
RTD1-18	L 105+73.9 (3.0' RT) to L 107+47.7 (1.8' LT)			176													3
RTD1-19	L 105+74.6 (7.9' RT) to L 107+47.7 (1.2' RT)			173													3
RTD1-20	L 107+49.2 (0.2' LT)		1														1
RTD1-21	M 202+45.5 (1.0' LT)		1														1
RTD1-22	M 202+46.9 to M 202+73.6	21.9															
RTD1-23	M 202+470 (2.5' LT) to M 202+68.5 (7.2' LT)			22													3
RTD1-24	M 202+46.9 (0.6' RT) to M 202+73.8 (8.1' RT)			28													3
RTD1-25	M 202+72.5 (7.38' LT)		1														1
RTD1-26	M 202+73.4 (3.5' LT) to M 202+73.8 (8.1'' RT)			12													3
RTD1-27	M 203+96.1 (7.8' LT) to M 203+96.7 (3.6' RT)			12													3
RTD1-28	M 203+97.8 (7.4' RT)		1														1
RTD1-29	M 203+95.7 (0.5' LT) to M 204+23.6 (0.7' RT)	20.9															
RTD1-30	M 203+96.1 (7.8' LT) to M 204+22.1 (0.9' LT)			27													3
RTD1-31	M 204+01.7 (7.2' RT) to M 204+22.1 (2.2' RT)			21													3
RTD1-32	M 204+23.6 (0.7' RT)		1														1
RTD1-33	L 103+68.4 (34.6' RT) to L 103+85.2 (43.7' RT)							19									2
RTD1-34	M 202+62.1 (30.4' LT) to M 202+83.8 (40.8' LT)							24									2
RTD1-35	L 104+72.7 to L 105+16.5	67.3															
RTD1-36	L 104+82.2 (63.0' LT) to L 105+17.8 (32.7' LT)					47											6
RTD1-37	L 104+83.5 (37.2' LT) to L 105+12.9 (21.2' LT)					34											6
RTD1-38	L 105+12.4 to L 105+47.3	29.9															
RTD1-39	L 105+12.1 (28.2' LT) to L 105+46.9 (16.0' LT)			41													3
RTD1-40	L 105+12.1 (28.2' LT to L 105+47.4 (21.0' LT)			39													3
	SHEET TOTAL	369.5	8	637		158		43									

GENERAL NOTES:

1. SEE STANDARD PLAN, F-10.18
2. SEE STANDARD PLAN, F-10.18 - CURB 1
3. SEE STANDARD PLAN, F-10.18 - CURB 2
4. SEE STANDARD PLAN, F-10.18 - CURB 3
5. SEE STANDARD PLAN, M 12.10 - ROUNDABOUT
6. SEE DETAIL ON PVD1, ROUNDABOUT CEMENT CONCRETE GUTTER.
7. DOUBLE CENTERLINE YELLOW
8. NO PASS CENTERLINE YELLOW
9. EDGE LINE WHITE
10. EDGE LINE YELLOW
11. WIDE EDGE LINE & WIDE SOLID LANE LINE WHITE
12. PAINTED WIDE DOTTED ENTRY LINE
13. TYPE 2R

DESIGNED BY	K. MCCOY				
ENTERED BY	K. MCCOY				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGION ADM.	T. TREPANIER				
		DATE	DATE	REVISION	BY

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

JOB NUMBER 21Y009

CONTRACT NO.

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

QPV 3

SHEET 28 OF 50 SHEETS

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		ROUNDABOUT CEMENT CONCRETE GUTTER	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER		PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC WIDE LINE		PLASTIC TRAFFIC ARROW	PLASTIC JUNCITON BOX MARKING		SEE GENERAL NOTES
		S.Y.	EACH	L.F.		L.F.	L.F.	L.F.		L.F.	L.F.	L.F.		EACH	EACH		
RTD1-41	L 105+49.6 (18.2' LT)		1														1
RTD1-42	M 203+77.1 (44.4' RT) to M 230+96.4 (32.4' RT)					23											6
RTD1-43	M 203+96.6 (39.5' RT)		1														1
RTD1-44	M 203+99.5 (31.6' RT) to M 204+42.6 (20.8' RT)	34															
RTD1-45	M 203+99.2 (31.0' RT) to M 204+43.4 (20.7' RT)			47													3
RTD1-46	M 204+05.4 (41.2' RT) to M 204+43.4 (20.7' RT)			44													3
RTD1-47	C 50+00.0 (20.8' LT) to C 51+33.5 (20.8' LT)							264									2
RTD1-48	C 50+00.0 (20.8' LT) to C 51+33.5 (20.8' LT)	429.2															
RTD1-49	C 50+00.0 (1.3' RT) to C 51+33.5 (1.3' RT)						126										4
	SHEET TOTAL	463.2	2	91		23	126	264									
	PROJECT TOTAL	956.6	12	1101		181	126	307		4102	3612	371		2	15		

GENERAL NOTES:

1. SEE STANDARD PLAN, F-10.18
2. SEE STANDARD PLAN, F-10.18 - CURB 1
3. SEE STANDARD PLAN, F-10.18 - CURB 2
4. SEE STANDARD PLAN, F-10.18 - CURB 3
5. SEE STANDARD PLAN, M 12.10 - ROUNDABOUT
6. SEE DETAIL ON PVD1, ROUNDABOUT CEMENT CONCRETE GUTTER.
7. DOUBLE CENTERLINE YELLOW
8. NO PASS CENTERLINE YELLOW
9. EDGE LINE WHITE
10. EDGE LINE YELLOW
11. WIDE EDGE LINE & WIDE SOLID LANE LINE WHITE
12. PAINTED WIDE DOTTED ENTRY LINE
13. TYPE 2R

		DATE	DATE	REVISION	BY
DESIGNED BY	K. MCCOY				
ENTERED BY	K. MCCOY				
CHECKED BY	P. COOPER				
PROJ. ENGR.	A. SANGUINO				
REGION ADM.	T. TREPANIER				

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

JOB NUMBER 21Y009

CONTRACT NO.

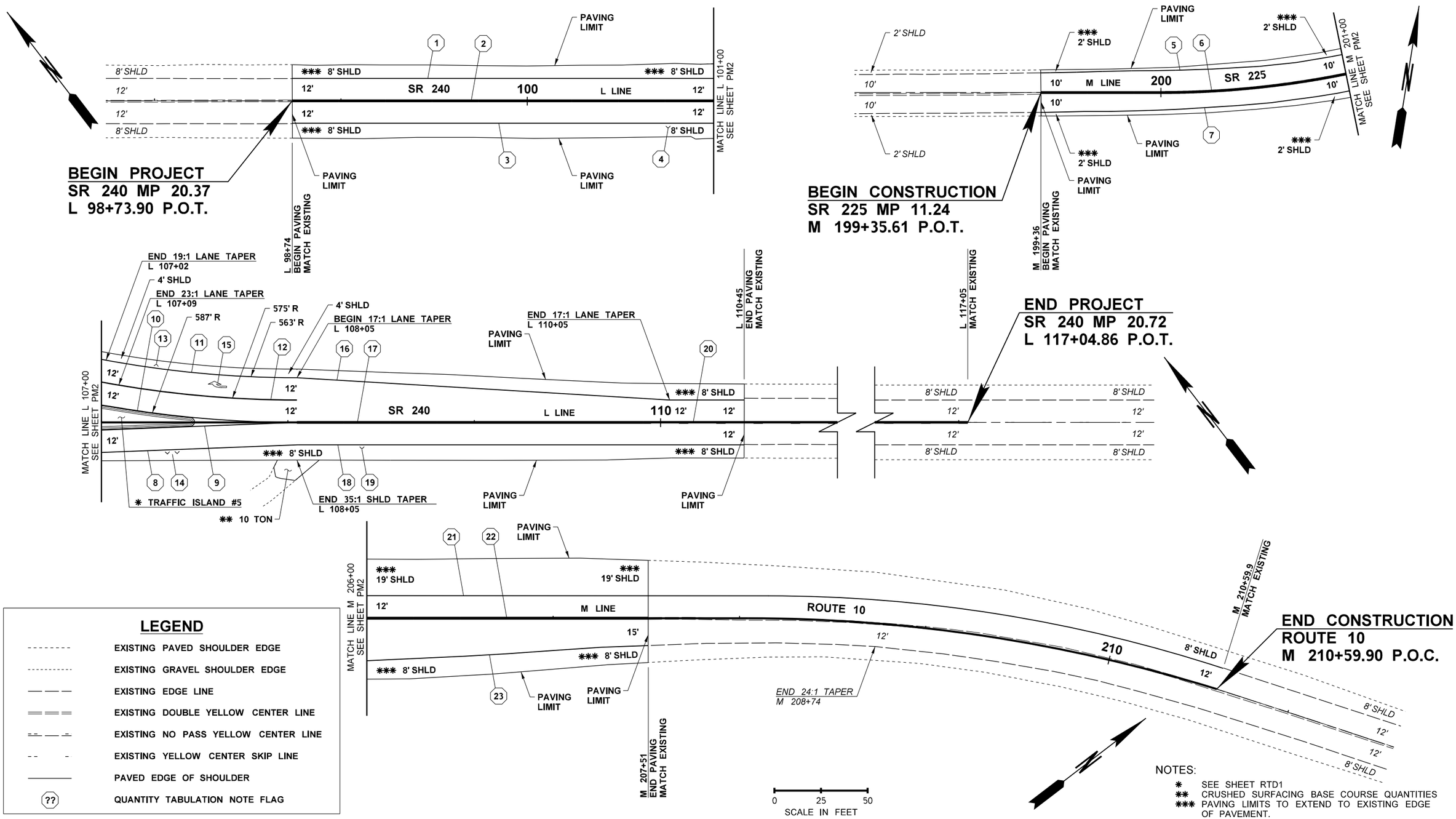
Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

QUANTITY TABULATION - PAVING/ PAVEMENT MARKING

QPV 4

T.10N. R.27E. W.M.



LEGEND

- EXISTING PAVED SHOULDER EDGE
- EXISTING GRAVEL SHOULDER EDGE
- EXISTING EDGE LINE
- EXISTING DOUBLE YELLOW CENTER LINE
- EXISTING NO PASS YELLOW CENTER LINE
- EXISTING YELLOW CENTER SKIP LINE
- PAVED EDGE OF SHOULDER
- (??) QUANTITY TABULATION NOTE FLAG

NOTES:

* SEE SHEET RTD1
** CRUSHED SURFACING BASE COURSE QUANTITIES
*** PAVING LIMITS TO EXTEND TO EXISTING EDGE OF PAVEMENT.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\250-PavingPlan\XL6239_PS_PV_RA.dgn
TIME	6:38:45 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009

CONTRACT NO. | LOCATION NO.

ALEJANDRO SANGUINO — STATE OF WASHINGTON — 43273 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

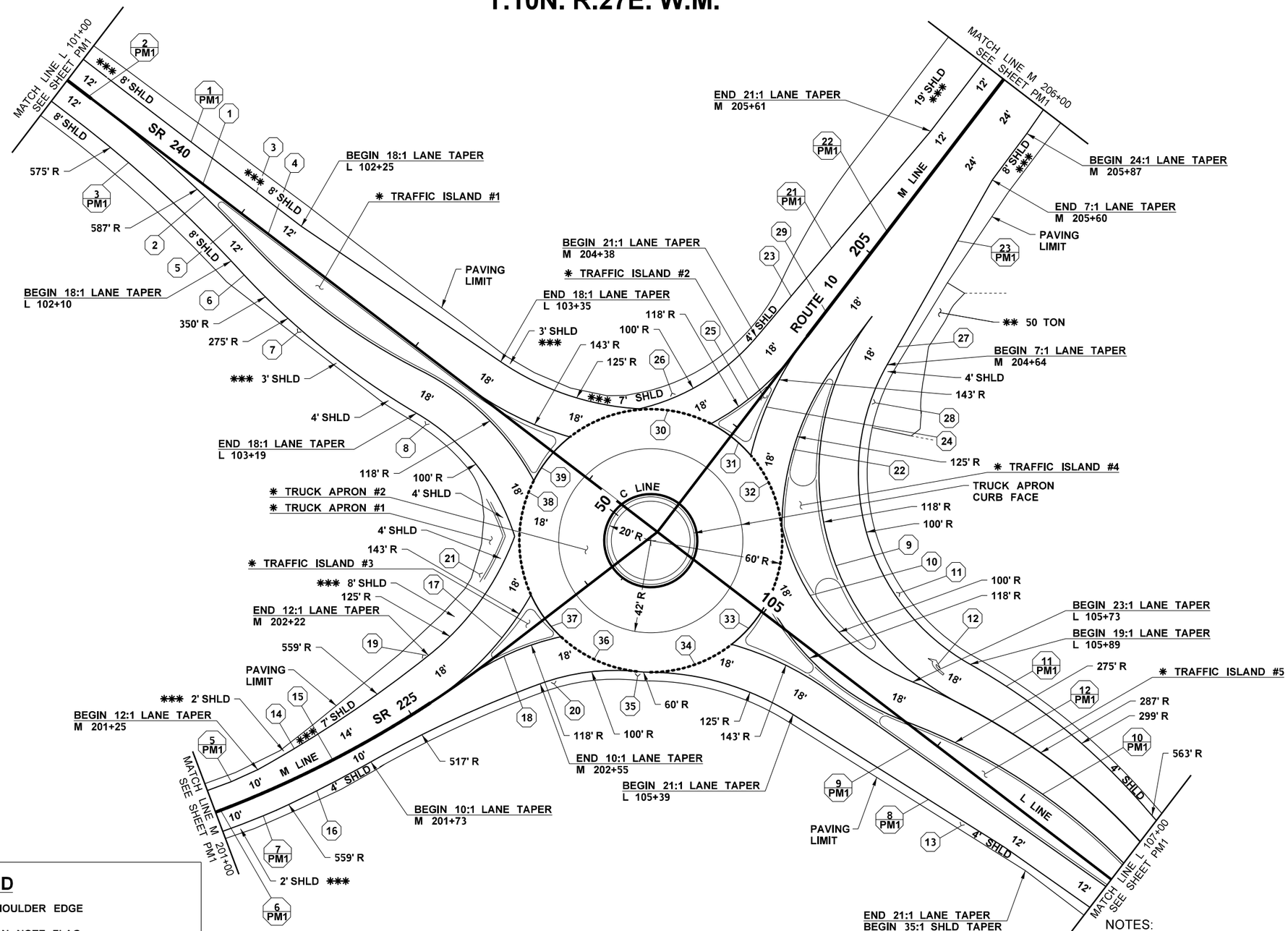
PAVING/PAVEMENT MARKING PLAN

Plot 2

PLAN REF NO PM1

SHEET 30 OF 50 SHEETS

T.10N. R.27E. W.M.



LEGEND

----------	EXISTING GRAVEL SHOULDER EDGE
??	QUANTITY TABULATION NOTE FLAG
???? ????	QUANTITY TABULATION NOTE FLAG CONTINUATION

NOTES:

- * SEE SHEET RTD1
- ** CRUSHED SURFACING BASE COURSE QUANTITIES
- *** PAVING LIMITS TO EXTEND TO EXISTING EDGE OF PAVEMENT.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\250-PavingPlan\XL6239_PS_PV_RA.dgn
TIME	6:38:46 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009

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

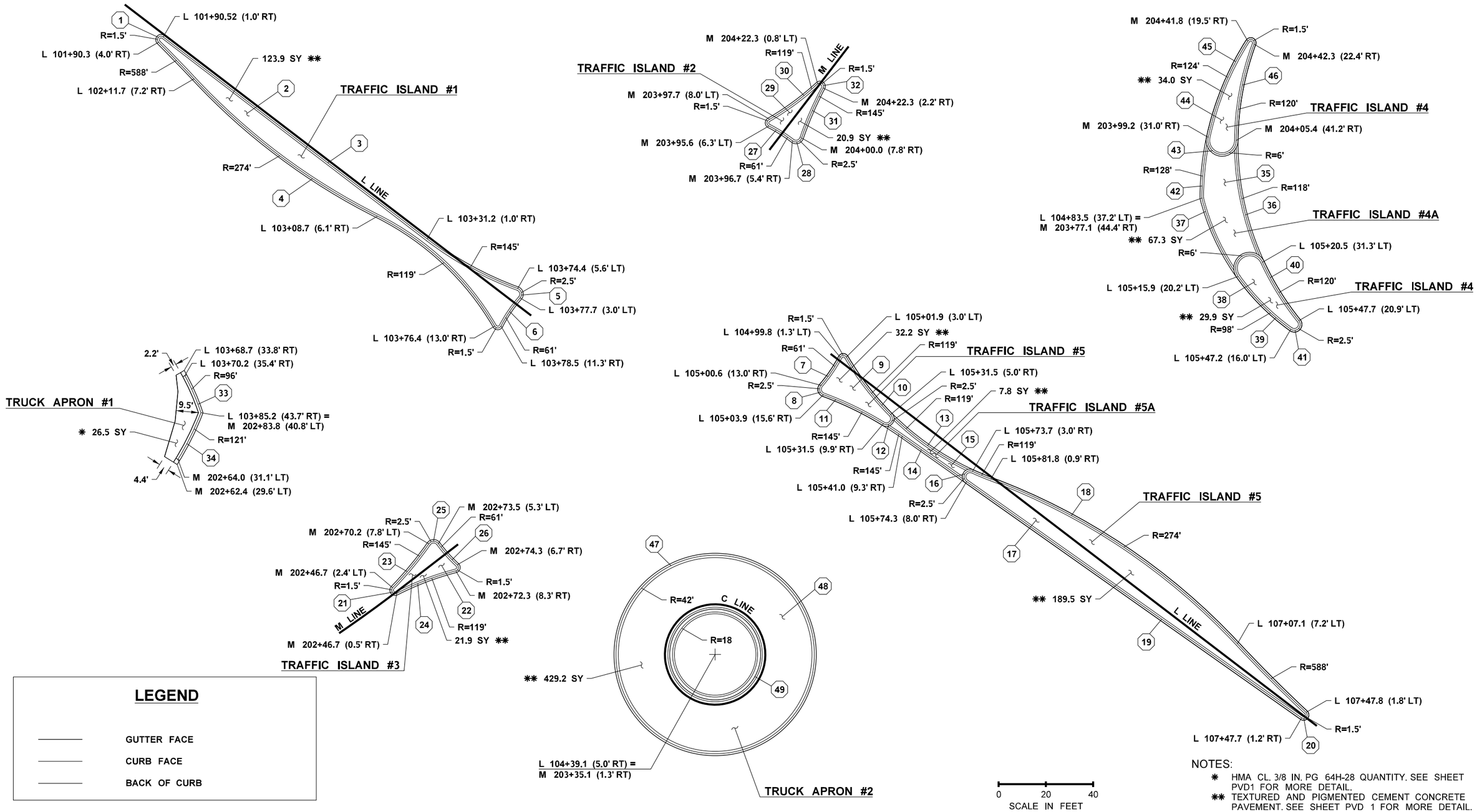
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

PAVING/PAVEMENT MARKING PLAN

Plot 3

PLAN REF NO PM2

SHEET 31 OF 50 SHEETS



NOTES:

* HMA CL. 3/8 IN. PG 64H-28 QUANTITY. SEE SHEET PVD1 FOR MORE DETAIL.

** TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT. SEE SHEET PVD 1 FOR MORE DETAIL.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\260-PavingDets\XL6239_DE_PV_RA.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	6:38:47 AM						
DATE	10/31/2022						
PLOTTED BY	McCoyK				JOB NUMBER 21Y009		
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
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

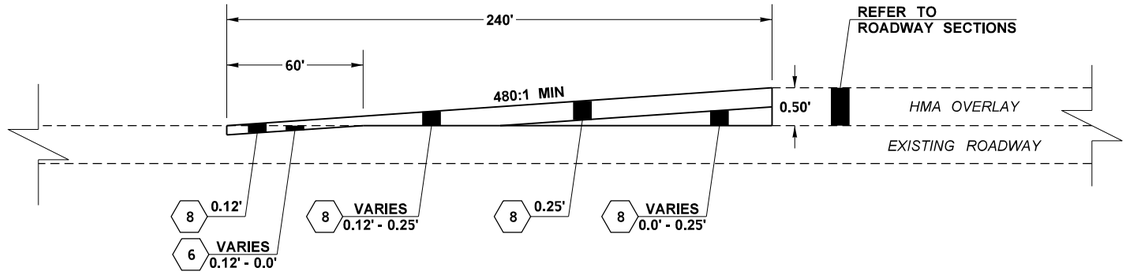
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ROUNDABOUT/ TRAFFIC ISLAND DETAILS

Plot 1

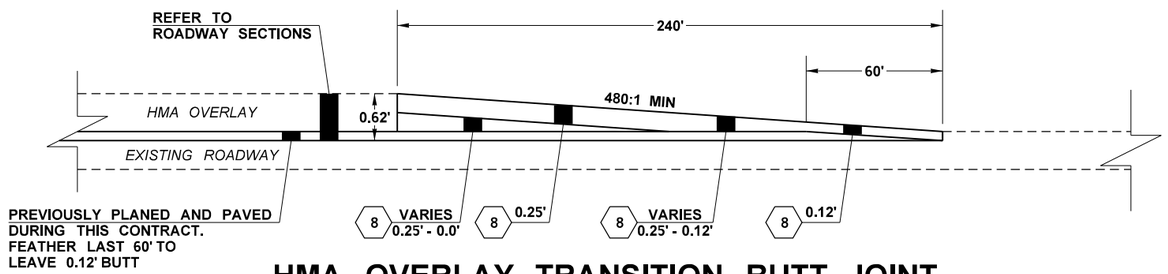
PLAN REF NO **RTD1**

SHEET 32 OF 50 SHEETS



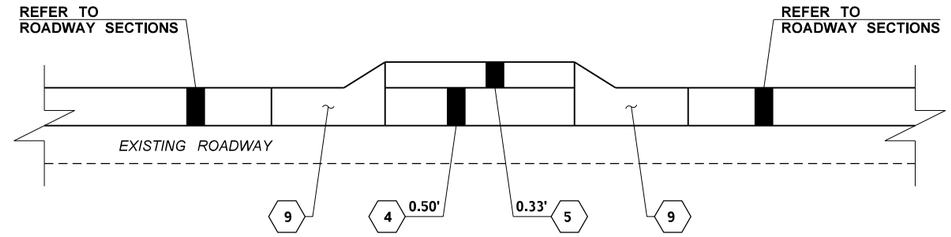
HMA BUTT JOINT OVERLAY TRANSITION

L 98+74 TO L 101+14
M 199+36 TO M 201+76
M 205+11 TO M 207+51



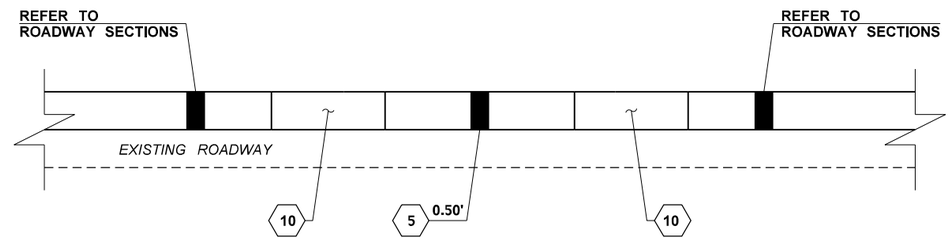
HMA OVERLAY TRANSITION BUTT JOINT

L 108+05 TO L 110+45



SPLITTER ISLAND DETIAL

TRAFFIC ISLAND #1-#5

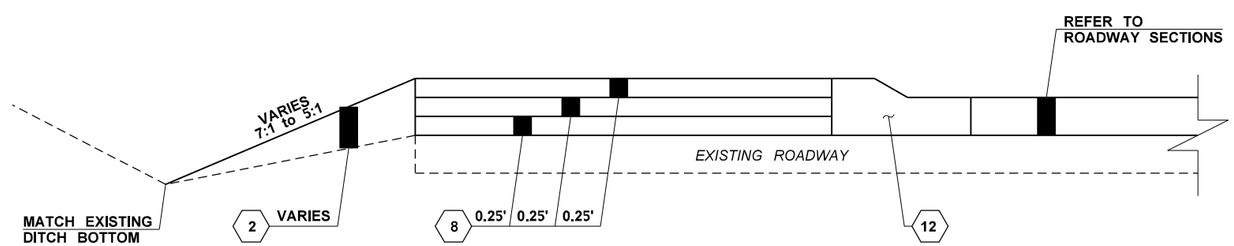


FLUSH SPLITTER ISLAND DETIAL

TRAFFIC ISLAND #4A
TRAFFIC ISLAND #5A

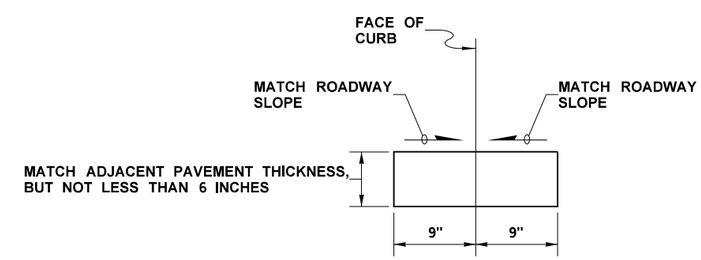
LEGEND

- 2 EMBANKMENT COMPACTION
- 4 CRUSHED SURFACING BASE COURSE
- 5 TEXTURED AND PIGMENTED CEMENT CONCRETE PAVEMENT
- 6 PLANING BITUMINOUS PAVEMENT
- 8 HMA CL. 3/8 IN. PG 64H-28
- 9 ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER (SEE STANDARD PLAN, F-10.18)
- 10 ROUNDABOUT CEMENT CONCRETE GUTTER (SEE THIS PAGE)
- 12 ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER (SEE STANDARD PLAN, F-10.18)



TRUCK APRON #1 DETIAL

(SEE SHEET RTD1 FOR MORE DETAIL)



ROUNDABOUT CEMENT CONCRETE GUTTER

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\260-PavIngDets\XL6239_DE_PV_RA.dgn					
TIME	6:38:47 AM					
DATE	10/31/2022					
PLOTTED BY	McCoyK					
DESIGNED BY	M. DE GROOT					
ENTERED BY	K. MCCOY					
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 21Y009
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 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

PAVING DETAILS

Plot 2
PLAN REF NO PVD1
SHEET 33 OF 50 SHEETS

LUMINAIRE SCHEDULE - SR240 / 225 ROUNDABOUT

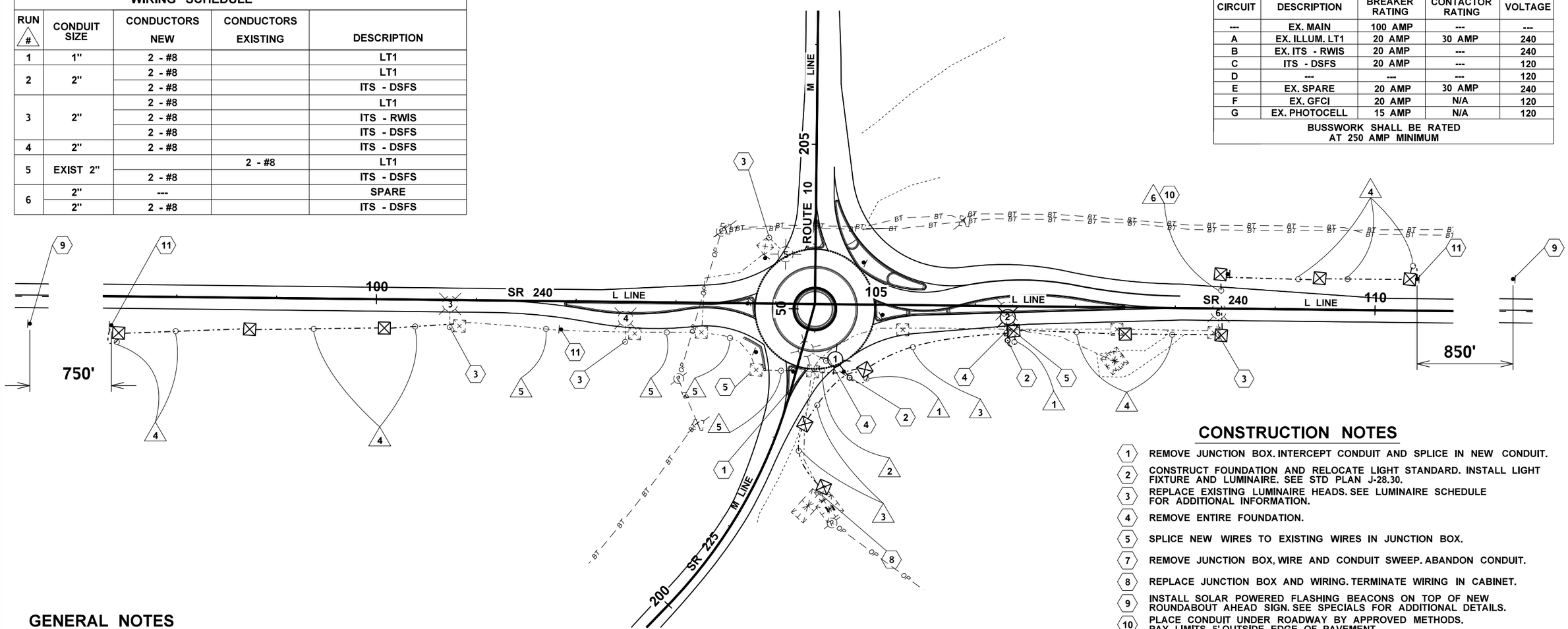
LUM. NO.	STATION	OFFSET	CIRCUIT	MAST ARM LENGTH	H1	BASE TYPE	FOUNDATION TYPE	LUMINAIRE
1	L 104+75	73' RT	LT 1	16'	40'	SLIP	B	*
2	L 106+32	34' RT	LT 1	16'	40'	SLIP	B	*
3	L 100+73	28' RT	LT 1	16'	40'	SLIP	B	**
4	L 102+50	40' RT	LT 1	16'	40'	SLIP	B	**
5	L 103+93	66' RT	LT 1	16'	40'	SLIP	B	**
6	L 108+43	26' RT	LT 1	16'	40'	SLIP	B	**

* SEE 310W CLASS 240V FIXTURES AT: HTTP://WWW.WSDOT.WA.GOV/DESIGN/TRAFFIC/LEDLUMINAIRES.HTM

** REPLACE EXISTING LUMINAIRE HEAD ON EXISTING LUMINAIRE.
SEE 310W CLASS 240V FIXTURES AT: HTTP://WWW.WSDOT.WA.GOV/DESIGN/TRAFFIC/LEDLUMINAIRES.HTM

WIRING SCHEDULE

RUN #	CONDUIT SIZE	CONDUCTORS NEW	CONDUCTORS EXISTING	DESCRIPTION
1	1"	2 - #8		LT1
2	2"	2 - #8		LT1
		2 - #8		ITS - DSFS
3	2"	2 - #8		LT1
		2 - #8		ITS - RWIS
		2 - #8		ITS - DSFS
4	2"	2 - #8		ITS - DSFS
5	EXIST 2"		2 - #8	LT1
		2 - #8		ITS - DSFS
6	2"	---		SPARE
	2"	2 - #8		ITS - DSFS



LEGEND

	EXISTING SERVICE CABINET		CONDUIT
	TYPE 1 JUNCTION BOX		EXISTING CONDUIT
	EXISTING TYPE 1 JUNCTION BOX	- OP — -	ABOVE GROUND POWER
#	LUMINAIRE	- BT — -	UNDER GROUND TELEPHONE
	EXISTING LUMINAIRE	P	POWER BOX
		P	POWER POLE

BREAKER SCHEDULE SUA ***
TYPE B MODIFIED SERVICE 120/240V

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	EX. MAIN	100 AMP	---	---
A	EX. ILLUM. LT1	20 AMP	30 AMP	240
B	EX. ITS - RWIS	20 AMP	---	240
C	ITS - DSFS	20 AMP	---	120
D	---	---	---	120
E	EX. SPARE	20 AMP	30 AMP	240
F	EX. GFCI	20 AMP	N/A	120
G	EX. PHOTOCELL	15 AMP	N/A	120

BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM

CONSTRUCTION NOTES

1. REMOVE JUNCTION BOX. INTERCEPT CONDUIT AND SPLICE IN NEW CONDUIT.
2. CONSTRUCT FOUNDATION AND RELOCATE LIGHT STANDARD. INSTALL LIGHT FIXTURE AND LUMINAIRE. SEE STD PLAN J-28.30.
3. REPLACE EXISTING LUMINAIRE HEADS. SEE LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.
4. REMOVE ENTIRE FOUNDATION.
5. SPLICE NEW WIRES TO EXISTING WIRES IN JUNCTION BOX.
7. REMOVE JUNCTION BOX, WIRE AND CONDUIT SWEEP. ABANDON CONDUIT.
8. REPLACE JUNCTION BOX AND WIRING. TERMINATE WIRING IN CABINET.
9. INSTALL SOLAR POWERED FLASHING BEACONS ON TOP OF NEW ROUNDABOUT AHEAD SIGN. SEE SPECIALS FOR ADDITIONAL DETAILS.
10. PLACE CONDUIT UNDER ROADWAY BY APPROVED METHODS. PAY LIMITS 5' OUTSIDE EDGE OF PAVEMENT.
11. INSTALL DRIVER SPEED FEEDBACK SIGN, ROUNDABOUT SIGN, AND 20 M.P.H. SIGN. SEE SPECIALS FOR ADDITIONAL DETAILS. SEE SIGNING PLANS AND SHEET ITD1 FOR ADDITIONAL DETAILS. PART OF THE ITS - DSFS BID ITEM.

GENERAL NOTES

1. REFER TO SIGNING PLANS FOR SIGNING DETAILS.
2. REFER TO SIGN SPECIFICATIONS FOR POST LENGTHS AND MOUNTING DETAILS.

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_IL.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:43:09 AM						
DATE	11/2/2022						
PLOTTED BY	LinnM				JOB NUMBER 21Y009		
DESIGNED BY	M. LINN						
ENTERED BY	M. LINN						
CHECKED BY	M. LINN				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	T. DALEY						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

JAMES TODD DALEY — STATE OF WASHINGTON — 40366 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

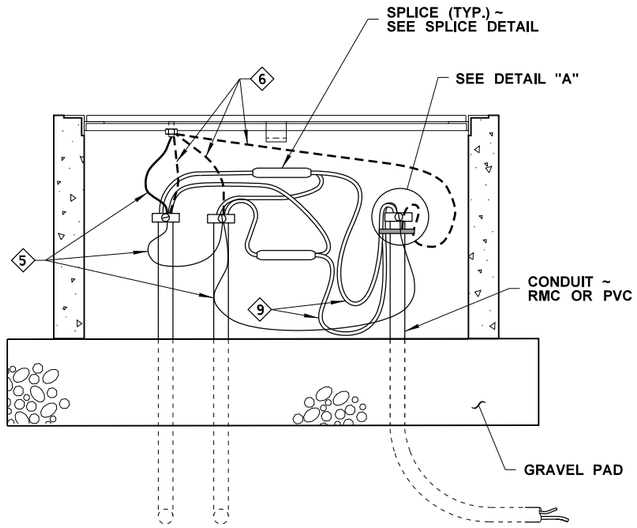
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

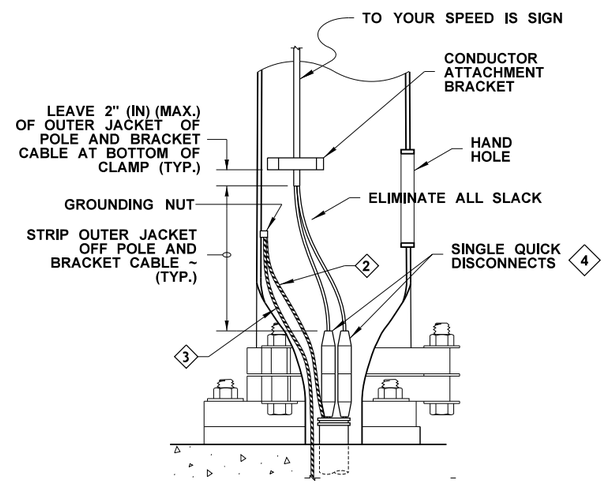
ILLUMINATION PLANS

Plot 1
PLAN REF NO IL1
SHEET 34 OF 50 SHEETS

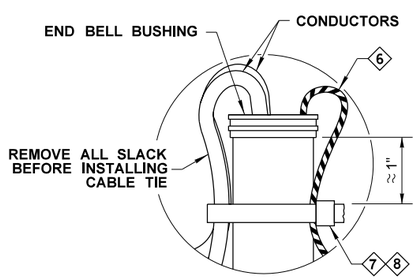


JUNCTION BOX WIRING DETAIL

FOR GROUNDING REQUIREMENTS, SEE STANDARD PLAN J-60.05



BASE WIRING DETAIL



DETAIL "A"

2 EQUIPMENT GROUNDING CONDUCTOR

3 EQUIPMENT BONDING JUMPER ~ FROM FOUNDATION

4 DOUBLE QUICK DISCONNECTS ~ PULL DOWN TIGHT TO CONDUIT (SHOWN LEFT UP FOR CLARITY)

5 EQUIPMENT BONDING JUMPER ~ FROM RMC CONDUIT

NOTE: 5 AND 6 MAY BE SAME WIRE

6 EQUIPMENT GROUNDING CONDUCTOR

7 CABLE TIE ~ 120 POUND TENSILE STRENGTH, BLACK

8 APPLICATION FOR FIXED BASE SIMILAR, EXCEPT NO CABLE TIE IS REQUIRED AT JUNCTION BOX

9 24" (IN) MIN. SLACK REQUIRED TO ALLOW QUICK DISCONNECTS TO BE PULLED OUTSIDE HAND HOLE 6" (IN) MIN.

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_IL.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:00:13 AM						
DATE	11/2/2022						
PLOTTED BY	LinnM				JOB NUMBER 21Y009		
DESIGNED BY	M. LINN						
ENTERED BY	M. LINN						
CHECKED BY	M. LINN				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	T. DALEY						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

JAMES TODD DALEY — STATE OF WASHINGTON — 40366 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State
Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

ELECTRICAL DETAILS

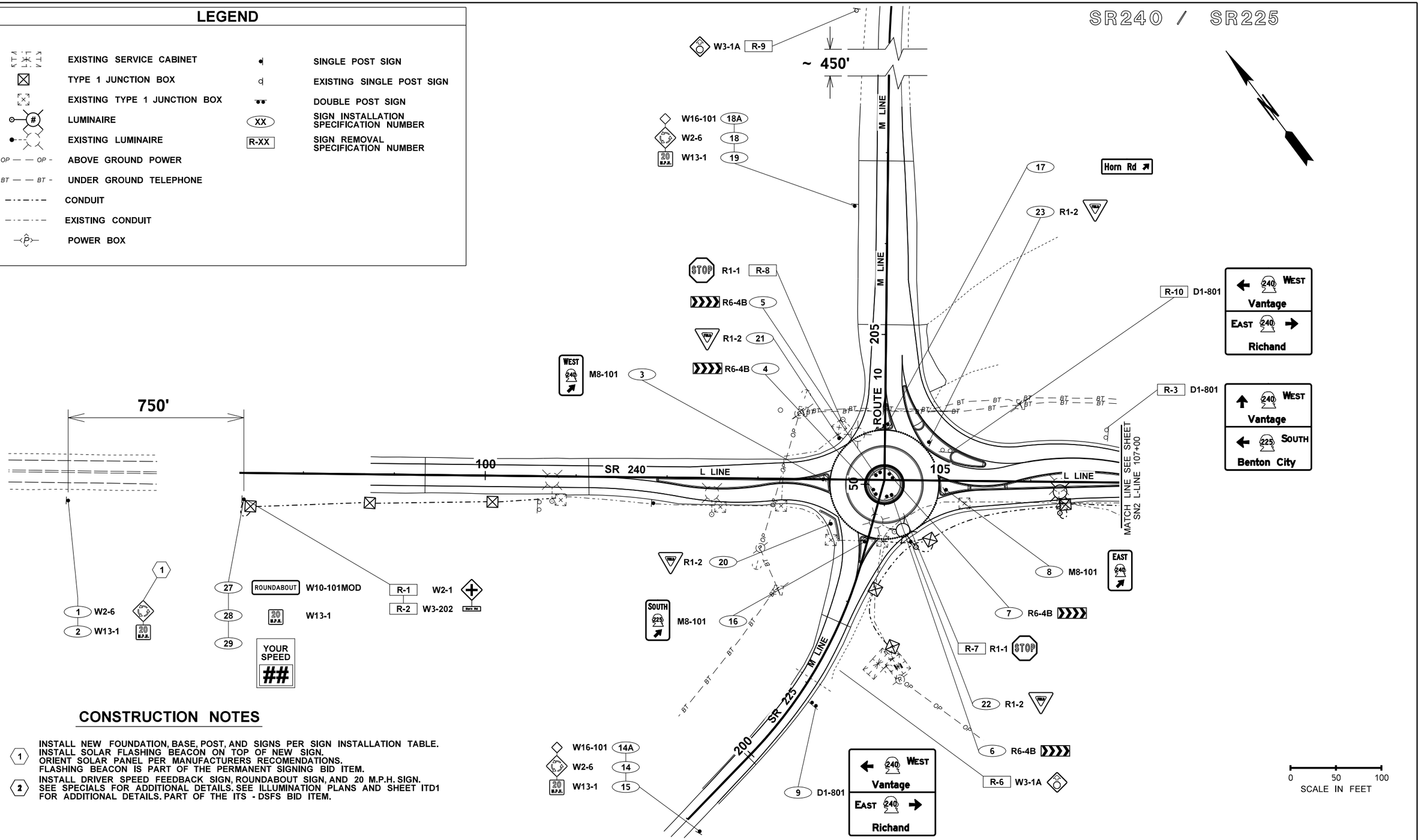
Plot 11

PLAN REF NO
ITD1

SHEET 35 OF 50 SHEETS

LEGEND

	EXISTING SERVICE CABINET		SINGLE POST SIGN
	TYPE 1 JUNCTION BOX		EXISTING SINGLE POST SIGN
	EXISTING TYPE 1 JUNCTION BOX		DOUBLE POST SIGN
#	LUMINAIRE	XX	SIGN INSTALLATION SPECIFICATION NUMBER
	EXISTING LUMINAIRE	R-XX	SIGN REMOVAL SPECIFICATION NUMBER
OP — — OP	ABOVE GROUND POWER		
BT — — BT	UNDER GROUND TELEPHONE		
	CONDUIT		
	EXISTING CONDUIT		
P	POWER BOX		



CONSTRUCTION NOTES

1. INSTALL NEW FOUNDATION, BASE, POST, AND SIGNS PER SIGN INSTALLATION TABLE. INSTALL SOLAR FLASHING BEACON ON TOP OF NEW SIGN. ORIENT SOLAR PANEL PER MANUFACTURERS RECOMENDATIONS. FLASHING BEACON IS PART OF THE PERMANENT SIGNING BID ITEM.
2. INSTALL DRIVER SPEED FEEDBACK SIGN, ROUNDABOUT SIGN, AND 20 M.P.H. SIGN. SEE SPECIALS FOR ADDITIONAL DETAILS. SEE ILLUMINATION PLANS AND SHEET ITD1 FOR ADDITIONAL DETAILS. PART OF THE ITS - DSFS BID ITEM.

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_SN.dgn
TIME	10:44:11 AM
DATE	11/2/2022
PLOTTED BY	LinnM
DESIGNED BY	M. LINN
ENTERED BY	M. LINN
CHECKED BY	M. LINN
PROJ. ENGR.	A. SANGUINO
REGIONAL ADM.	T. TREPANIER

REVISION | DATE | BY

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

JOB NUMBER 21Y009

CONTRACT NO. | LOCATION NO.

JAMES TODD DALBY — STATE OF WASHINGTON — 10366 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

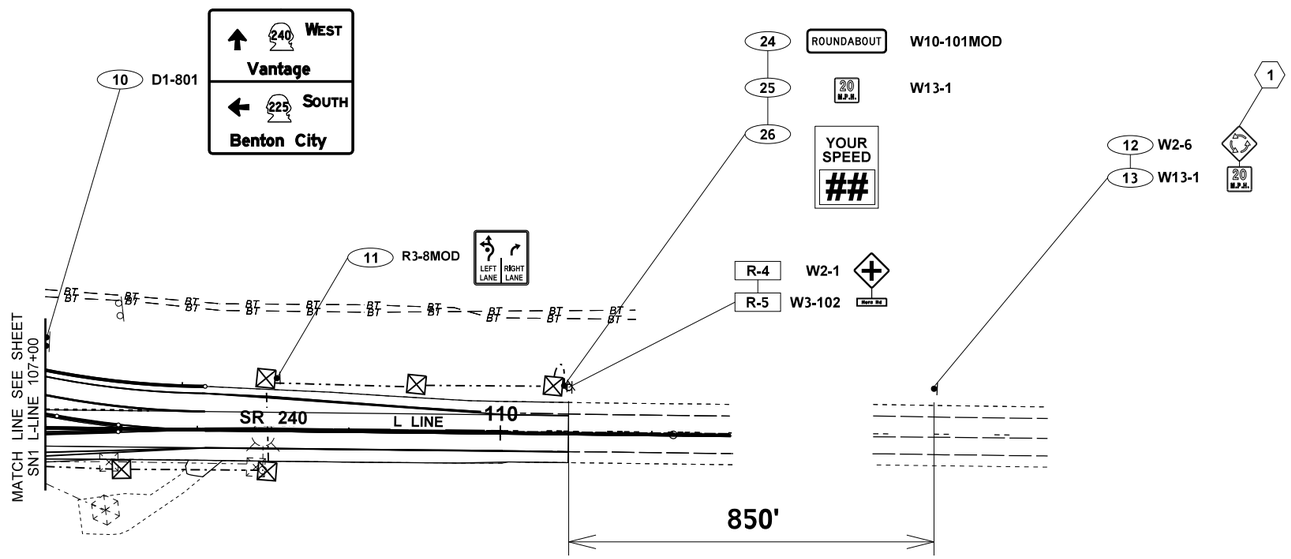
SIGNING PLAN

Plot 1

PLAN REF NO SN1

SHEET 36 OF 50 SHEETS

SR240 / SR225



CONSTRUCTION NOTES

1. INSTALL NEW FOUNDATION, BASE, POST, AND SIGNS PER SIGN INSTALLATION TABLE. INSTALL SOLAR FLASHING BEACON ON TOP OF NEW SIGN. ORIENT SOLAR PANEL PER MANUFACTURERS RECOMENDATIONS. FLASHING BEACON IS PART OF THE PERMANENT SIGNING BID ITEM.
2. INSTALL DRIVER SPEED FEEDBACK SIGN, ROUNDABOUT SIGN, AND 20 M.P.H. SIGN. SEE SPECIALS FOR ADDITIONAL DETAILS. SEE ILLUMINATION PLANS AND SHEET ITD1 FOR ADDITIONAL DETAILS. PART OF THE ITS - DSFS BID ITEM.

0 50 100
SCALE IN FEET

LEGEND

⊠	TYPE 1 JUNCTION BOX		SINGLE POST SIGN
	EXISTING TYPE 1 JUNCTION BOX		EXISTING SINGLE POST SIGN
	EXISTING LUMINAIRE		DOUBLE POST SIGN
- BT — — BT -	UNDER GROUND TELEPHONE	XX	SIGN INSTALLATION SPECIFICATION NUMBER
	CONDUIT	R-XX	SIGN REMOVAL SPECIFICATION NUMBER
	EXISTING CONDUIT		RWIS TOWER

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_SN.dgn					
TIME	10:44:23 AM				REGION NO. 10	STATE WASH
DATE	11/2/2022				JOB NUMBER 21Y009	FED.AID PROJ.NO.
PLOTTED BY	LinnM					
DESIGNED BY	M. LINN				CONTRACT NO.	LOCATION NO.
ENTERED BY	M. LINN					
CHECKED BY	M. LINN					
PROJ. ENGR.	A. SANGUINO					
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY		

JAMES TODD DALEY — STATE OF WASHINGTON — 40366 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

SIGNING PLAN

Plot 2
PLAN REF NO SN2
SHEET 37 OF 50 SHEETS

SIGN INSTALLATION SPECIFICATIONS

#	STATION LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE X	SIGN SIZE Y	LETTER SIZE	SIGN SHEETING TYPE	POST MATERIAL	POST SIZE	BASE TYPE	POST LENGTH H1	POST LENGTH H2	CLEARANCE (FEET) V	CLEARANCE (FEET) W
1	L 89+88, 30' RT	W2-6	ROUNDABOUT (SYMBOL)	48"	48"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	19'		9'	17
2	L 89+88, 30' RT	W13-1	ADVISORY SPEED 20 MPH	24"	24"	STD	III OR IV						7'	17
3	L 104+28, 14' RT	M8-101A	WEST | SR240 | ARROW 45	36"	60"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	12'		5'	
4	L 104+31, 5' LT	R6-4B	ROUNDABOUT DIRECTIONAL (4 CHEVRONS)	60"	24"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	6'	6'	4'	
5	L 104+30, 5' LT	R6-4B	ROUNDABOUT DIRECTIONAL (4 CHEVRONS)	60"	24"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	6'	6'	4'	
6	L 104+47, 16' RT	R6-4B	ROUNDABOUT DIRECTIONAL (4 CHEVRONS)	60"	24"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	6'	6'	4'	
7	L 104+48, 6' LT	R6-4B	ROUNDABOUT DIRECTIONAL (4 CHEVRONS)	60"	24"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	6'	6'	4'	
8	L 105+07, 10' RT	M8-101B	EAST | SR240 | ARROW 45	36"	60"	***	III OR IV	PERF SQ TUBE	2.5"	SB	12'		7'	
9	M 200+87, 23' RT	D1-801	<-- 240 WEST VANTAGE | EAST 240 --> RICHLAND	96"	96"	***	III OR IV	STEEL H BEAM	W6x12	TP-B	17'	17'	7'	14
10	L 107+00, 54' LT	D1-801	ARROW 0 240 WEST VANTAGE | EAST 240 RICHLAND -->	96"	96"	***	III OR IV	STEEL H BEAM	W6x12	TP-B	17'	16'	7'	20
11	L 108+52, 35' LT	R3-8MOD	LEFT LANE RIGHT LANE MOVEMENTS	48"	48"	***	III OR IV	PERF SQ TUBE	2.5"	SB	13'	12'	7'	20
12	L 118+95, 31' LT	W2-6	ROUNDABOUT (SYMBOL)	48"	48"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	17'		9'	19
13	L 118+95, 31' LT	W13-1	ADVISORY SPEED 20 MPH	24"	24"	STD	III OR IV						7'	19
14	M 199+00, 23' RT	W2-6	ROUNDABOUT (SYMBOL)	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	16'		9'	14
14A	M 199+00, 23' RT	W16-101	TEMPORARY FLAG	18"	18"	STD	III OR IV						14.5'	17
15	M 199+00, 23' RT	W13-1	ADVISORY SPEED 20 MPH	18"	18"	STD	III OR IV						7'	14
16	M 202+68, 3' LT	M8-101	SOUTH | SR225 | ARROW 45	36"	60"	***	III OR IV	PERF SQ TUBE	2.5"	SB	12'		7'	
17	M 204+01, 3' RT	D1-601	HORN RD ARROW 45	60"	18"	***	III OR IV	PERF SQ TUBE	2.5"	SB	9'	9'	7'	
18	M 206+40, 36' LT	W2-6	ROUNDABOUT (SYMBOL)	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	19'		9'	24
18A	M 206+40, 36' LT	W16-101	TEMPORARY FLAG	18"	18"	STD	III OR IV						14.5'	17
19	M 206+40, 36' LT	W13-1	ADVISORY SPEED 20 MPH	18"	18"	STD	III OR IV						7'	24
20	L 103+81, 49 RT	R1-2	YIELD	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	10'		7'	
21	L 103+89, 45 LT	R1-2	YIELD	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	10'		7'	
22	L 104+69, 68 RT	R1-2	YIELD	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	10'		7'	
23	L 104+87, 42 LT	R1-2	YIELD	36"	36"	STD	III OR IV	PERF SQ TUBE	2.5"	SB	10'		7'	
24	L 110+45, 31' LT	W10-101MOD	ROUNDABOUT	60"	18"	***	III OR IV	PS POLE **	–	SLIP	19'		13.5'	16'
25	L 110+45, 31' LT	W13-1	ADVISORY SPEED 20 MPH	30"	30"	STD	III OR IV						11'	
26	L 110+45, 31' LT	*	YOUR SPEED	36"	48"		III OR IV						7'	
27	L 97+38, 30' RT	W10-101MOD	ROUNDABOUT	60"	18"	***	III OR IV	PS POLE **	–	SLIP	19'		13.5'	16'
28	L 97+38, 30' RT	W13-1	ADVISORY SPEED 20 MPH	30"	30"	STD	III OR IV						11'	
29	L 97+38, 30' RT	*	YOUR SPEED	36"	48"		III OR IV						7'	

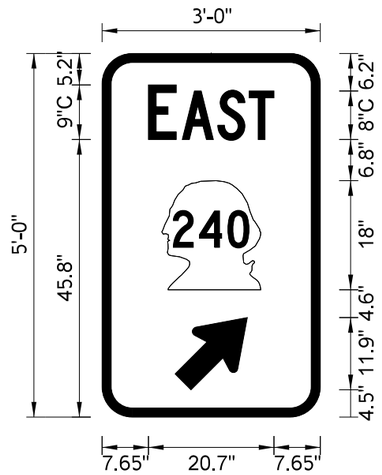
* ELECTRONIC DRIVER SPEED FEEDBACK SIGN (DSFS) PER SPECIALS. PART OF ITS-DSFS BID ITEM. BLACK ON YELLOW STATIC BACKGROUND.
** SEE STANDARD PLAN J-21.20 FOR ADDITIONAL DETAILS.
*** SEE SHEETS SN4-SN5 FOR ADDITIONAL DETAILS.

SIGN REMOVAL SPECIFICATIONS

#	STATION LOCATION	SIGN CODE	SIGN DESCRIPTION	SIGN SIZE X	SIGN SIZE Y	POST MATERIAL	POST SIZE	NUMBER OF POSTS
1	L 97+38, 30' RT	W2-1	CROSS ROAD (SYMBOL)	36"	36"	WOOD	4x6	1
2	L 97+38, 30' RT	W3-102	HORN RD	48"	12"			
3	L 105+43, 45' LT	D1-801	ARR 0 240 WEST VANTAGE | EAST 240 RICHLAND -->	96"	120"	W BEAM	W6X12	2
4	L 110+45, 31' LT	W2-1	CROSS ROAD (SYMBOL)	36"	36"	WOOD	4x6	1
5	L 110+45, 31' LT	W3-102	HORN RD	48"	12"			
6	M 201+30, 23' RT	W3-1A	STOP AHEAD	48"	48"	WOOD	4x6	1
7	L 104+60, 36' RT	R1-1	STOP	36"	36"	WOOD	4x6	1
8	L 104+05, 54' LT	R1-1	STOP	30"	30"	WOOD	4x6	1
9	M 211+41, 26' LT	W3-1A	STOP AHEAD	48"	48"	WOOD	4x6	1
10	L 105+12, 41' LT	D1-801	<-- 240 WEST VANTAGE | EAST 240 --> RICHLAND	96"	120"	W BEAM	W6X12	2

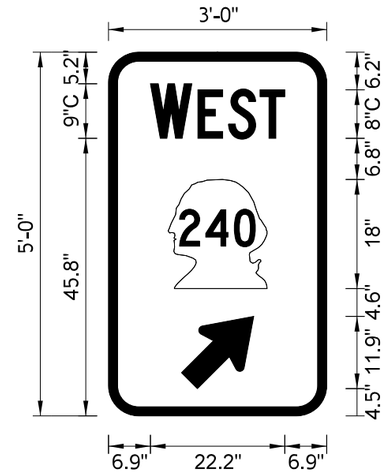
NOTES

1. POST LENGTHS SHOWN ARE APPROXIMATE.
2. FOR STRUCTURE AND MOUNTING DETAILS SEE STANDARD PLAN SHEET SERIES G.
3. FOR CODE REFERENCES AND STANDARD SIGN LAYOUT SEE WASHINGTON STATE SIGN FABRICATION MANUAL.
4. W BEAM POST SIZES SHOWN ARE FOR ASTM A 36.



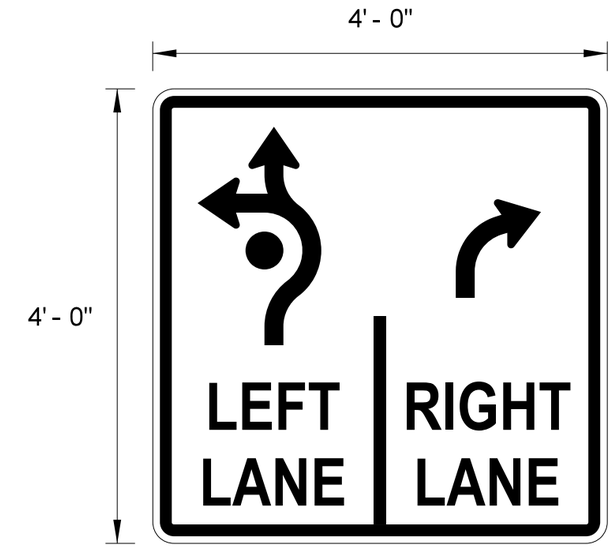
M8-101

SIGN #8, STATION L 105+07, 10' RT



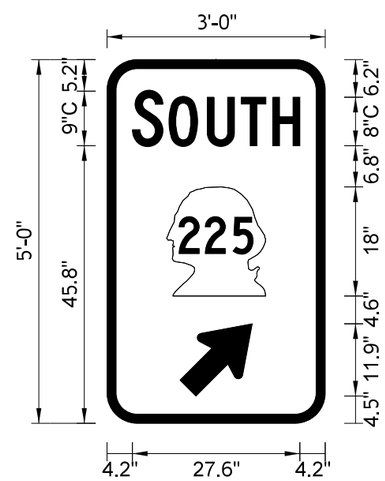
M8-101

SIGN #3, STATION L 104+28, 14' RT



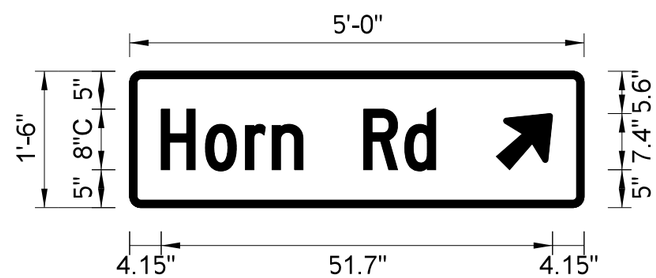
R3-8MOD
(BLACK LEGEND, WHITE BACKGROUND)

SIGN #11, STATION L 108+52, 35' LT



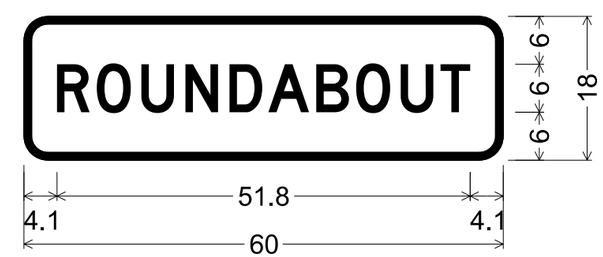
M8-101

SIGN #16, STATION M 202+68, 3' LT



D1-601

SIGN #17 STATION M 204+01, 3' RT



W10-101MOD

3.0" Radius, 1.0" Border, Black on Yellow;
"ROUNDABOUT", SERIES D LETTER

SIGN #24, STATION L 110+45, 31' LT
SIGN #27, STATION L 97+38, 30' RT

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_SN.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	10:44:49 AM				JOB NUMBER 21Y009		
DATE	11/2/2022						
PLOTTED BY	LinnM						
DESIGNED BY	M. LINN				CONTRACT NO.		LOCATION NO.
ENTERED BY	M. LINN						
CHECKED BY	M. LINN						
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

JAMES TODD DALEY, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, No. 40366

SEE SHEET CT1
DATE
P.E. STAMP BOX

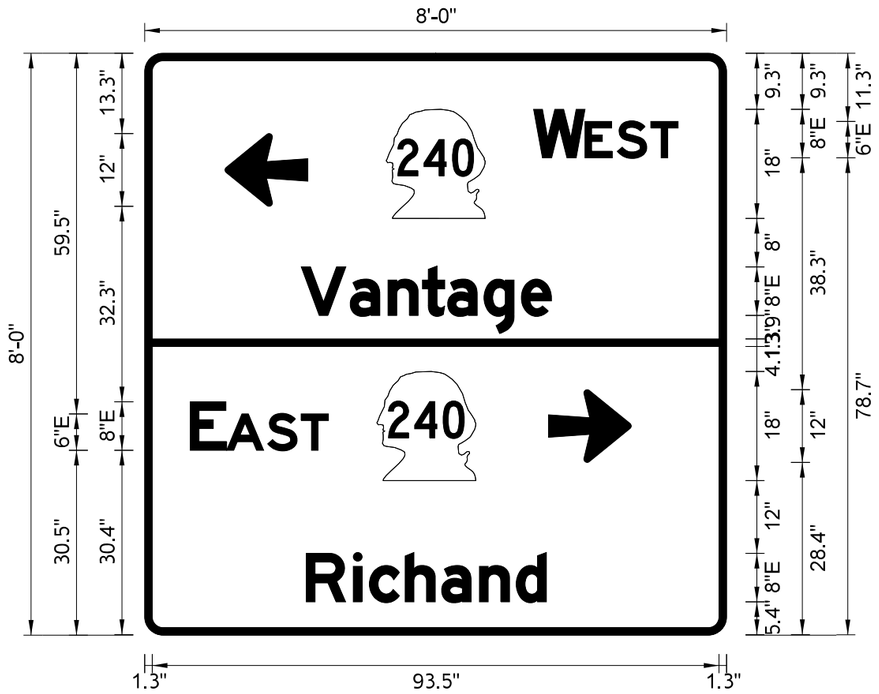
DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

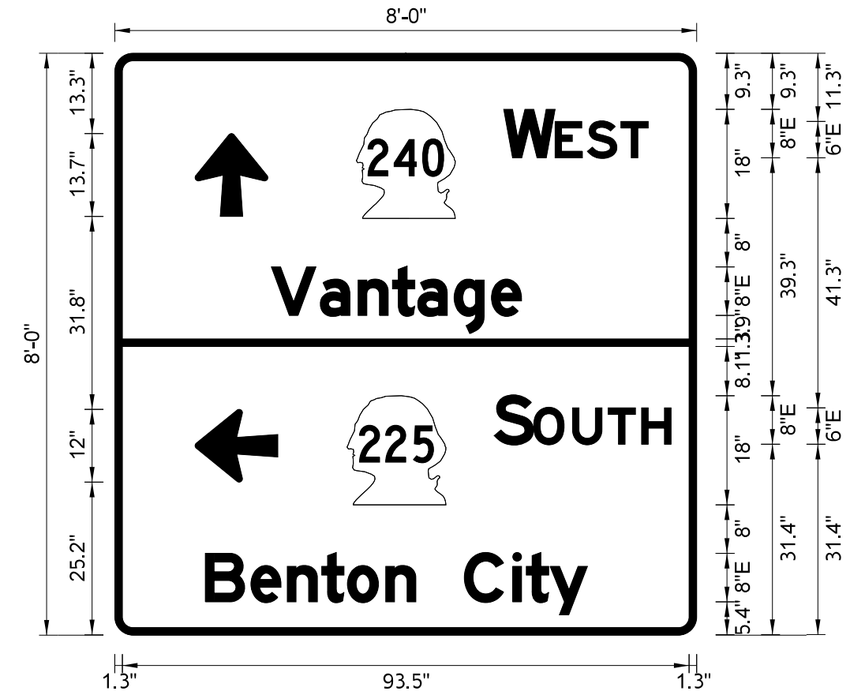
SIGNING PLAN

Plot 4
PLAN REF NO
SN4
SHEET 39 OF 50 SHEETS



D1-801

SIGN #9, STATION M 200+87, 23' LT



D1-801

SIGN #10, STATION L 107+00, 54' LT

FILE NAME	T:\Projects\XL6239 - SR240 SR225 Roundabout\CAD\XL6239_SH_SN.dgn						
TIME	10:45:01 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	11/2/2022						
PLOTTED BY	LinnM				JOB NUMBER 21Y009		
DESIGNED BY	M. LINN						
ENTERED BY	M. LINN						
CHECKED BY	M. LINN				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. SANGUINO						
REGIONAL ADM.	T. TREPANIER	REVISION	DATE	BY			

JAMES TODD DALBY — STATE OF WASHINGTON — 50366 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

P.E. STAMP BOX

DATE

Washington State Department of Transportation

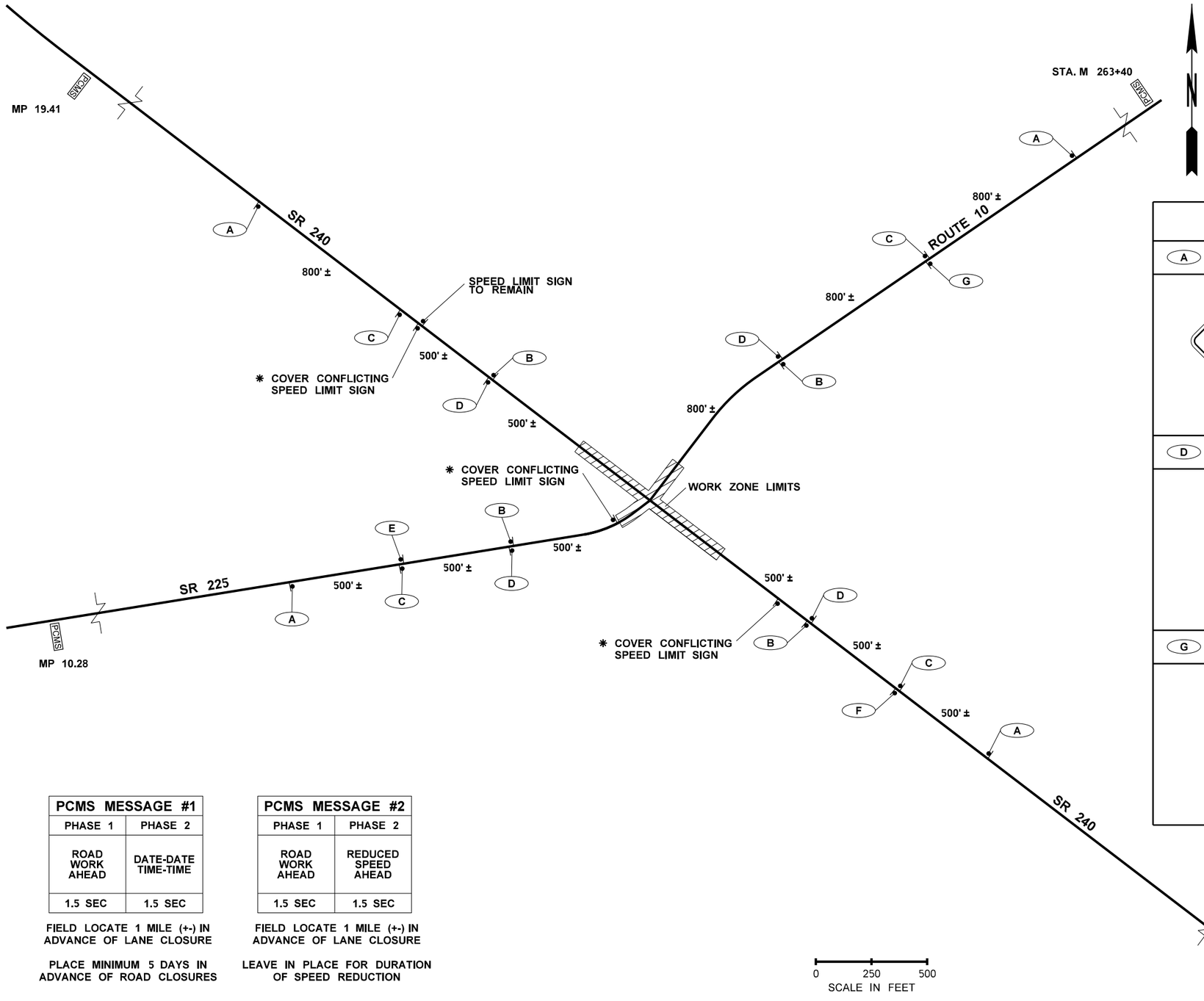
SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

SIGNING PLAN

Plot 5

PLAN REF NO SN5

SHEET 40 OF 50 SHEETS



CLASS A SIGN LEGEND

A 4 REQUIRED	B 4 REQUIRED	C 4 REQUIRED
ROAD WORK AHEAD 48" 48" W20-1	END ROAD WORK 48" 24" G20-2A	SPEED LIMIT 40 48" 48" W3-5 ORANGE/BLACK WHITE
D 4 REQUIRED	**E 1 REQUIRED**	**F 1 REQUIRED**
SPEED LIMIT 40 48" 36" R2-1 B/W	SPEED LIMIT 50 48" 36" R2-1 B/W	SPEED LIMIT 55 48" 36" R2-1 B/W
G 1 REQUIRED		
SPEED LIMIT 60 48" 36" R2-1 B/W		

PCMS MESSAGE #1	
PHASE 1	PHASE 2
ROAD WORK AHEAD	DATE-DATE TIME-TIME
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE (+-) IN ADVANCE OF LANE CLOSURE

PLACE MINIMUM 5 DAYS IN ADVANCE OF ROAD CLOSURES

PCMS MESSAGE #2	
PHASE 1	PHASE 2
ROAD WORK AHEAD	REDUCED SPEED AHEAD
1.5 SEC	1.5 SEC

FIELD LOCATE 1 MILE (+-) IN ADVANCE OF LANE CLOSURE

LEAVE IN PLACE FOR DURATION OF SPEED REDUCTION

✱ SEE SPECIAL PROVISION, "PROJECT TEMPORARY TRAFFIC CONTROL."

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_CA.dgn
TIME	6:38:49 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	M. DE GROOT
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

CLASS A SIGNS

Plot 1

PLAN REF NO CA1

SHEET 41 OF 50 SHEETS

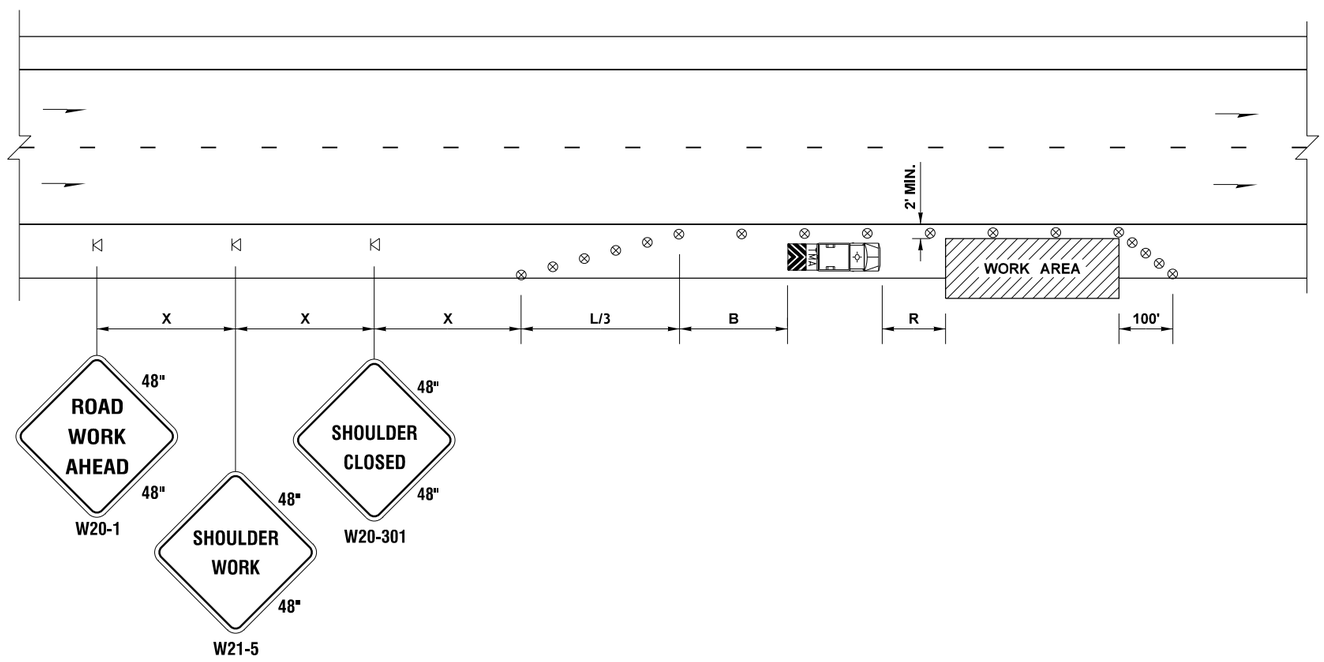
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	-	-	-	-	120	130	150	160	170	190
10'	-	-	-	-	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

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

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

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



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

NOTES

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn						
TIME	6:38:53 AM						
DATE	10/31/2022						
PLOTTED BY	McCoyK						
DESIGNED BY	M. DE GROOT						
ENTERED BY	K. MCCOY						
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 21Y009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 1

PLAN REF NO TC1

SHEET 42 OF 50 SHEETS

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	-	-

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'

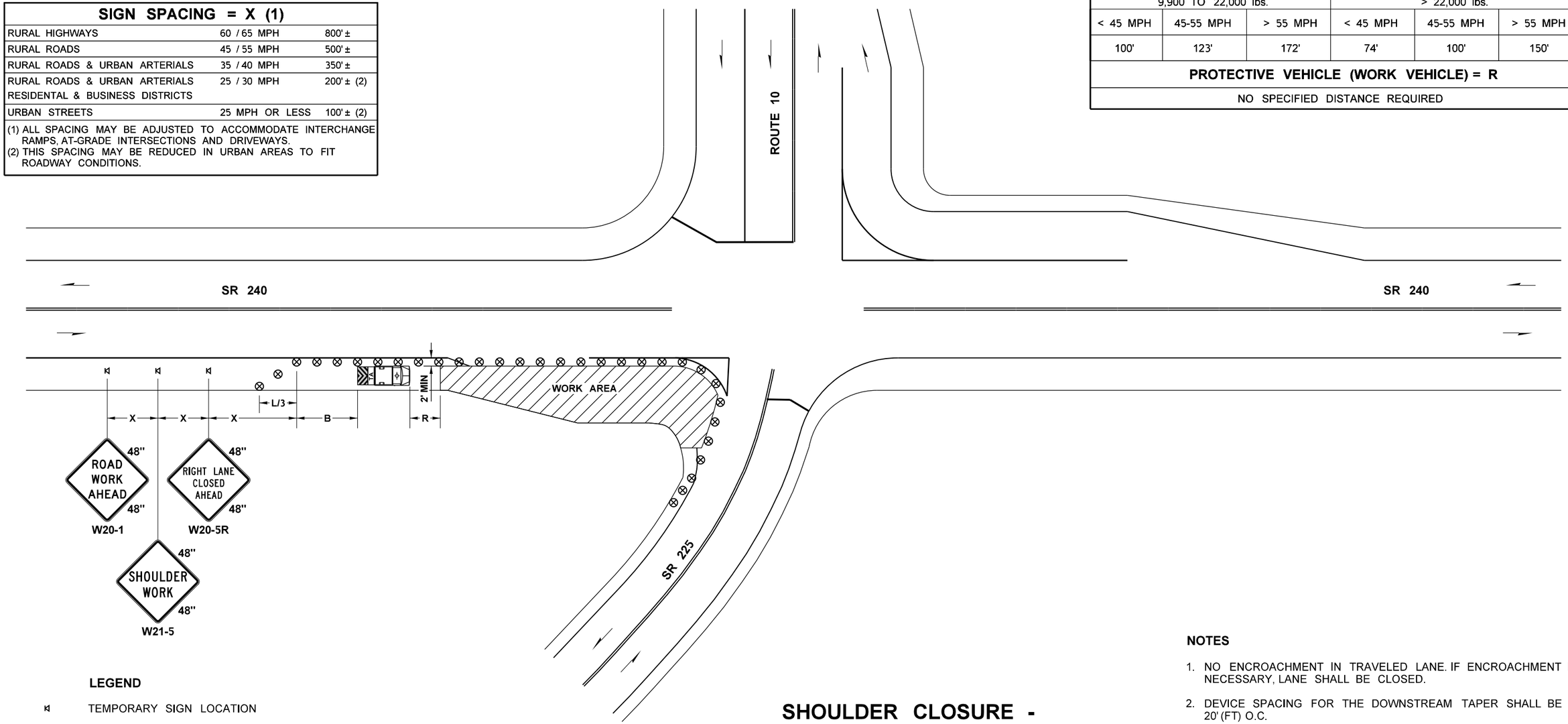
PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

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.



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - RIGHT TURN ONTO SR 225

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.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:54 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 2

PLAN REF NO TC2

SHEET 43 OF 50 SHEETS

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

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

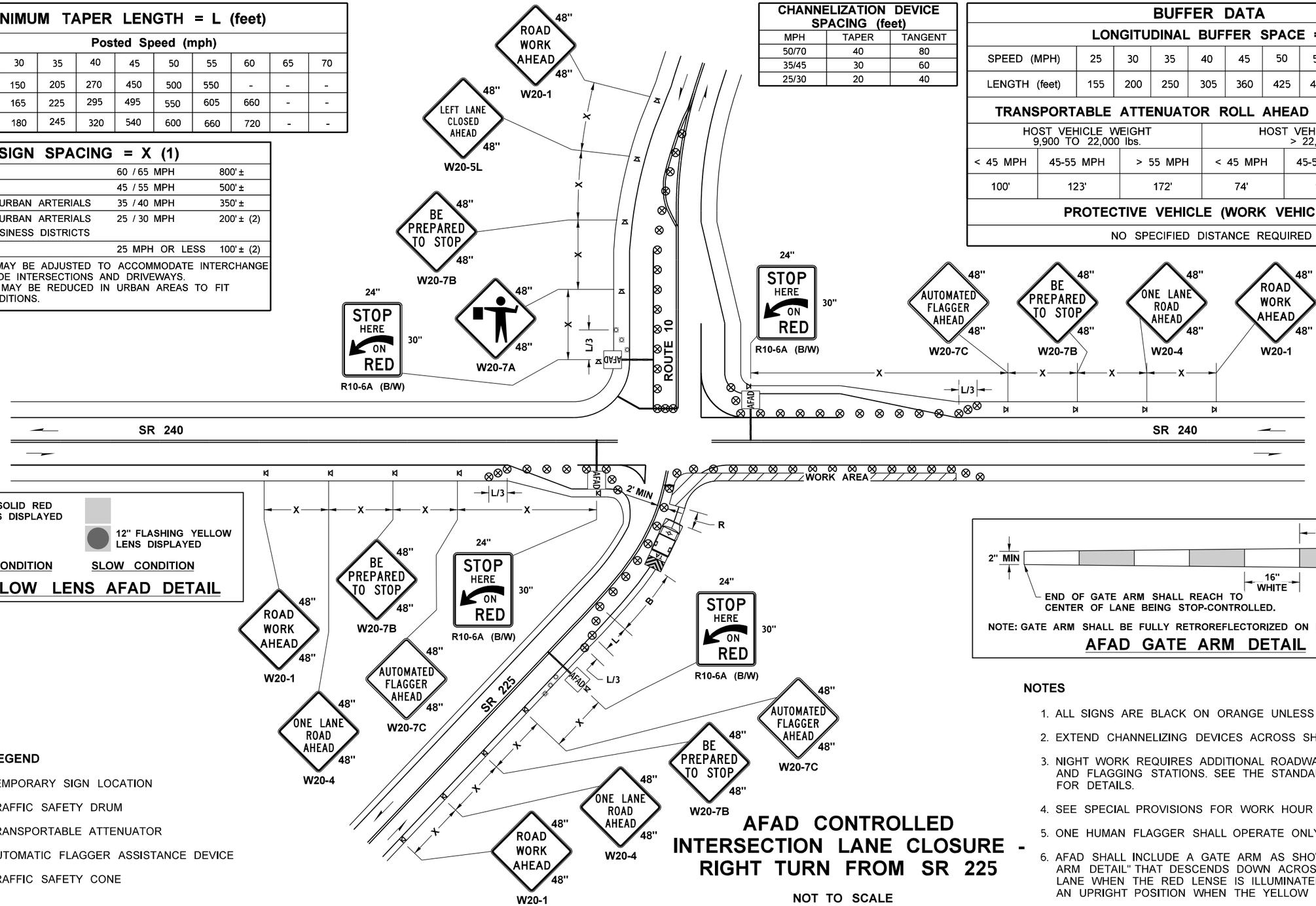
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

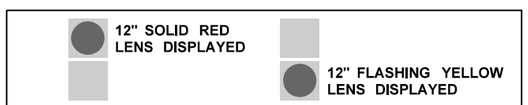
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

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'

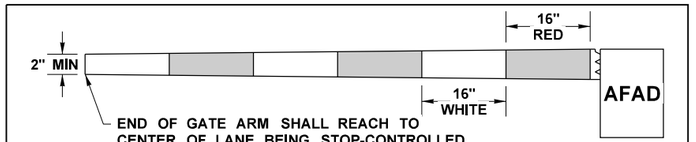
PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED





RED/YELLOW LENS AFAD DETAIL



NOTE: GATE ARM SHALL BE FULLY RETROREFLECTORIZED ON BOTH SIDES

AFAD GATE ARM DETAIL

LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR
- AFAD — AUTOMATIC FLAGGER ASSISTANCE DEVICE
- TRAFFIC SAFETY CONE

AFAD CONTROLLED INTERSECTION LANE CLOSURE - RIGHT TURN FROM SR 225

NOT TO SCALE

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. EXTEND CHANNELIZING DEVICES ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT AFAD AND FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ONE HUMAN FLAGGER SHALL OPERATE ONLY ONE AFAD.
6. AFAD SHALL INCLUDE A GATE ARM AS SHOWN IN THE "GATE ARM DETAIL" THAT DESCENDS DOWN ACROSS THE APPROACH LANE WHEN THE RED LENSE IS ILLUMINATED AND ASCENDS TO AN UPRIGHT POSITION WHEN THE YELLOW LENS IS ILLUMINATED.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:54 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 3
PLAN REF NO TC3
SHEET 44 OF 50 SHEETS

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	-	-

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'

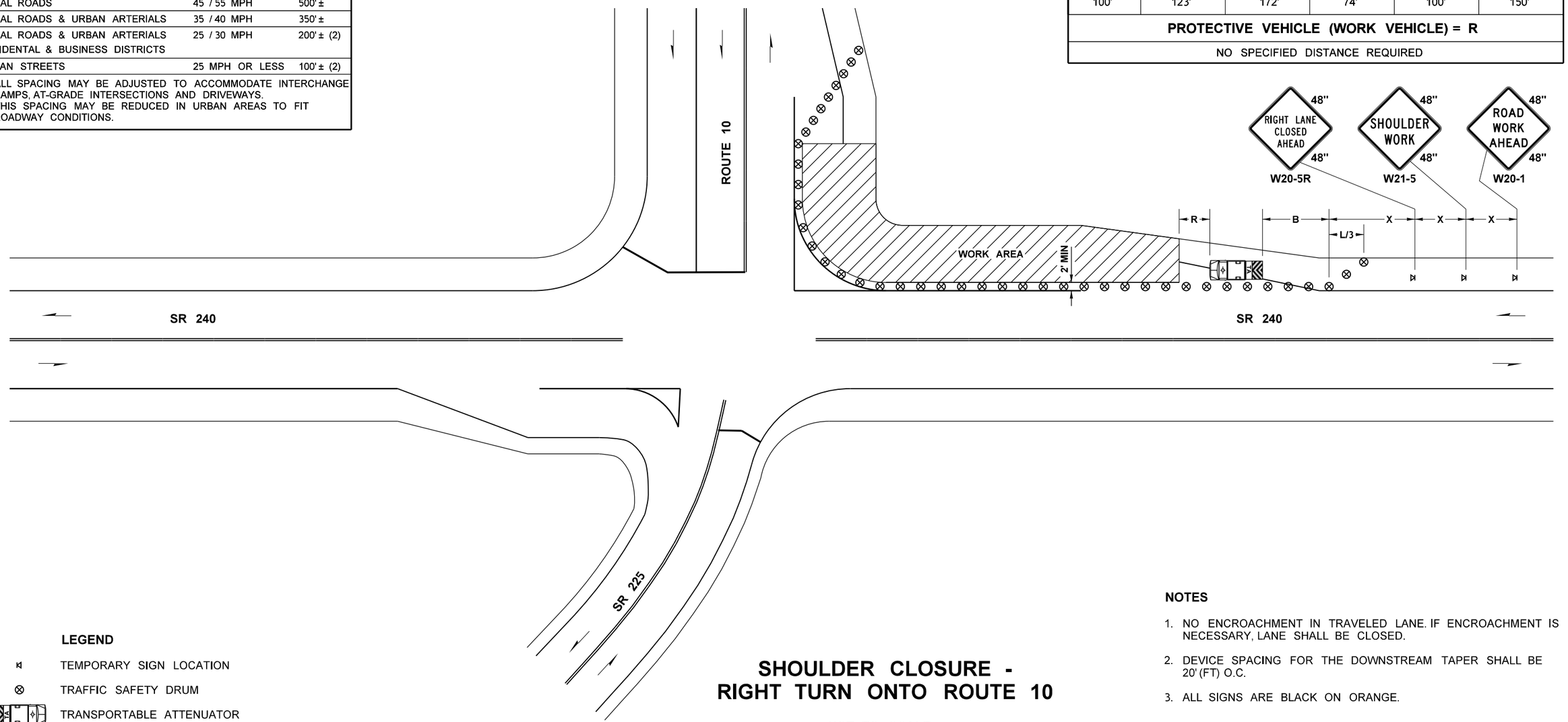
PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

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.



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - RIGHT TURN ONTO ROUTE 10

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.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:55 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 4

PLAN REF NO TC4

SHEET 45 OF 50 SHEETS

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	-	-

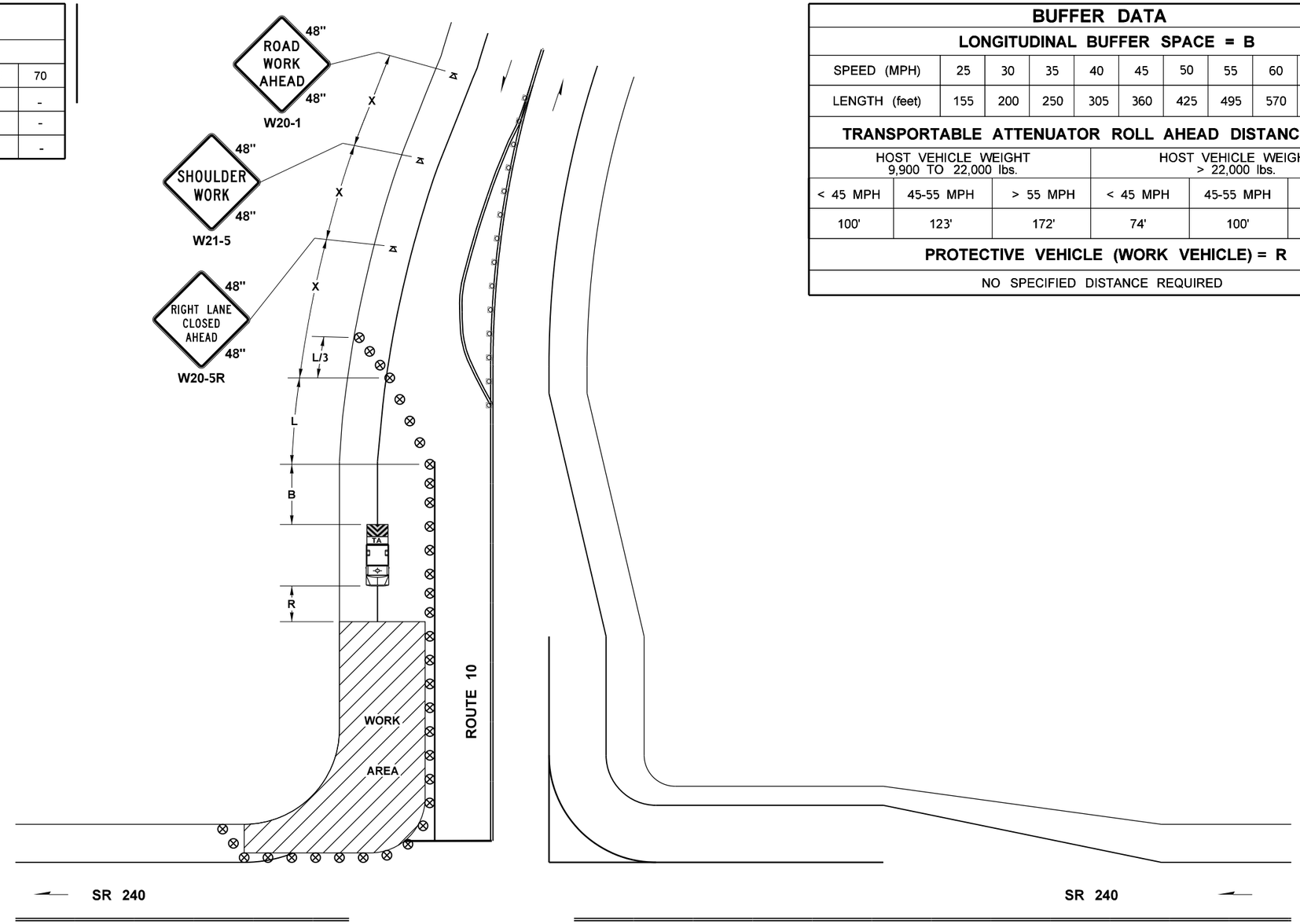
SIGN SPACING = X (1)

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



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'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR
- TRAFFIC SAFETY CONE

SHOULDER CLOSURE - RIGHT TURN FROM ROUTE 10

NOT TO SCALE

NOTES

1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. ALL SIGNS ARE BLACK ON ORANGE.
3. TRAFFIC CONTROL PLAN SHALL REMAIN IN PLACE UNTIL EXISTING PAVEMENT MARKING IS REMOVED AND FINAL CHANNELIZATION IS INSTALLED.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:55 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 5

PLAN REF NO TC5

SHEET 46 OF 50 SHEETS

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

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

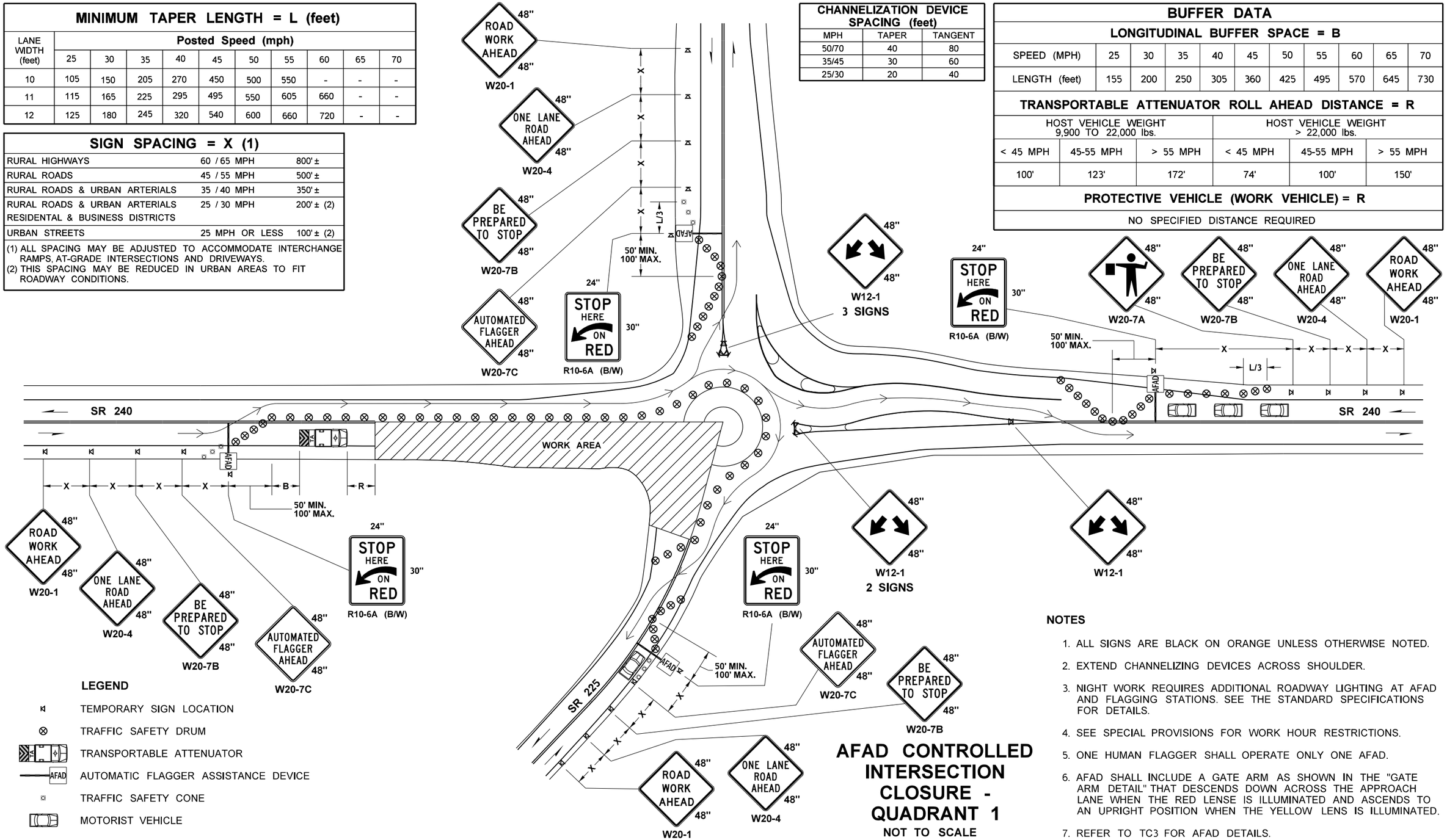
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

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'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR
- AUTOMATIC FLAGGER ASSISTANCE DEVICE
- TRAFFIC SAFETY CONE
- MOTORIST VEHICLE

AFAD CONTROLLED INTERSECTION CLOSURE - QUADRANT 1

NOT TO SCALE

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. EXTEND CHANNELIZING DEVICES ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT AFAD AND FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ONE HUMAN FLAGGER SHALL OPERATE ONLY ONE AFAD.
6. AFAD SHALL INCLUDE A GATE ARM AS SHOWN IN THE "GATE ARM DETAIL" THAT DESCENDS DOWN ACROSS THE APPROACH LANE WHEN THE RED LENSE IS ILLUMINATED AND ASCENDS TO AN UPRIGHT POSITION WHEN THE YELLOW LENS IS ILLUMINATED.
7. REFER TO TC3 FOR AFAD DETAILS.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:55 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009		
CONTRACT NO.		LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 6

PLAN REF NO TC6

SHEET 47 OF 50 SHEETS

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

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

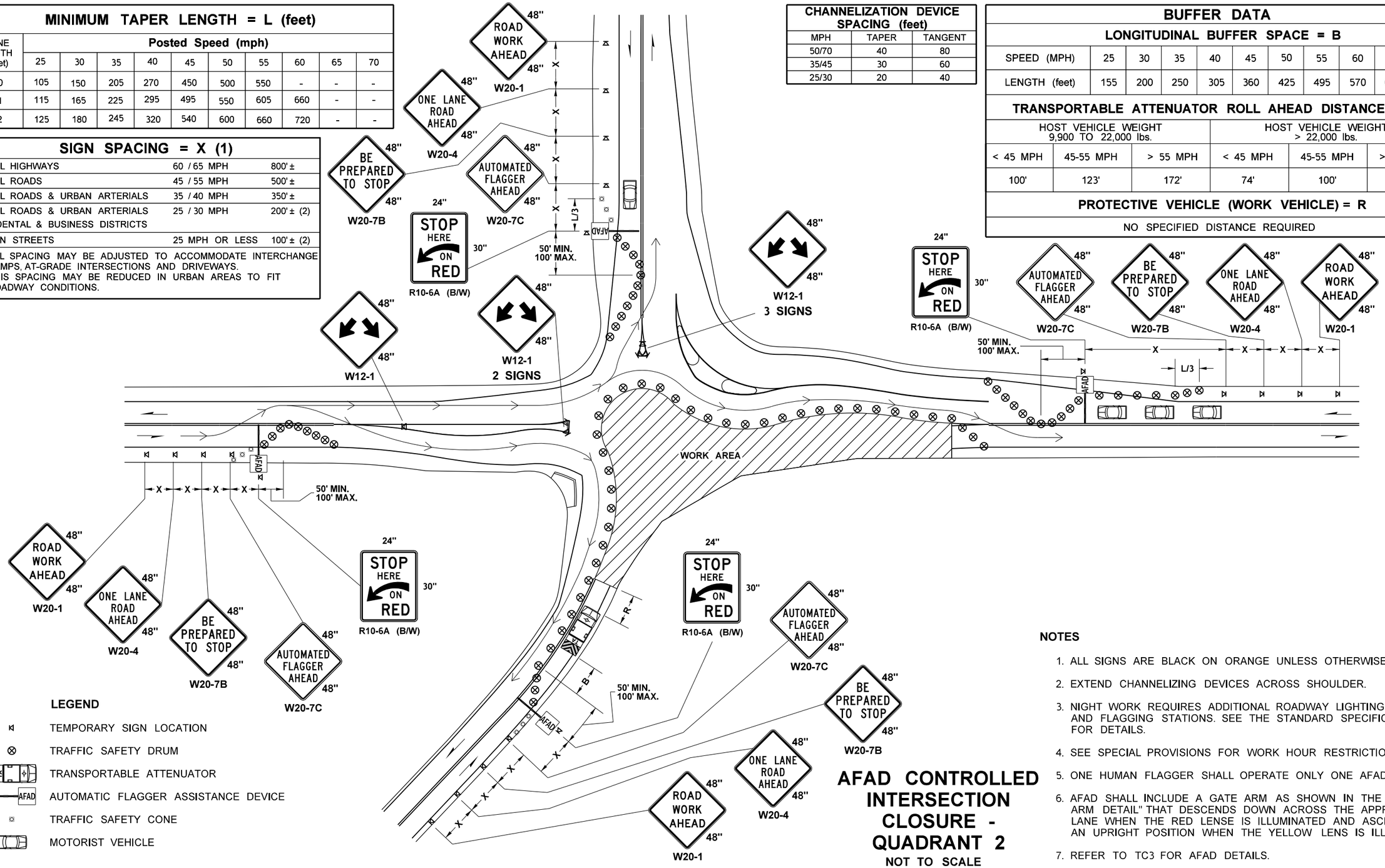
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

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'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR
- AUTOMATIC FLAGGER ASSISTANCE DEVICE
- TRAFFIC SAFETY CONE
- MOTORIST VEHICLE

AFAD CONTROLLED INTERSECTION CLOSURE - QUADRANT 2

NOT TO SCALE

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. EXTEND CHANNELIZING DEVICES ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT AFAD AND FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ONE HUMAN FLAGGER SHALL OPERATE ONLY ONE AFAD.
6. AFAD SHALL INCLUDE A GATE ARM AS SHOWN IN THE "GATE ARM DETAIL" THAT DESCENDS DOWN ACROSS THE APPROACH LANE WHEN THE RED LENSE IS ILLUMINATED AND ASCENDS TO AN UPRIGHT POSITION WHEN THE YELLOW LENS IS ILLUMINATED.
7. REFER TO TC3 FOR AFAD DETAILS.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:56 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 7

PLAN REF NO TC7

SHEET 48 OF 50 SHEETS

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

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

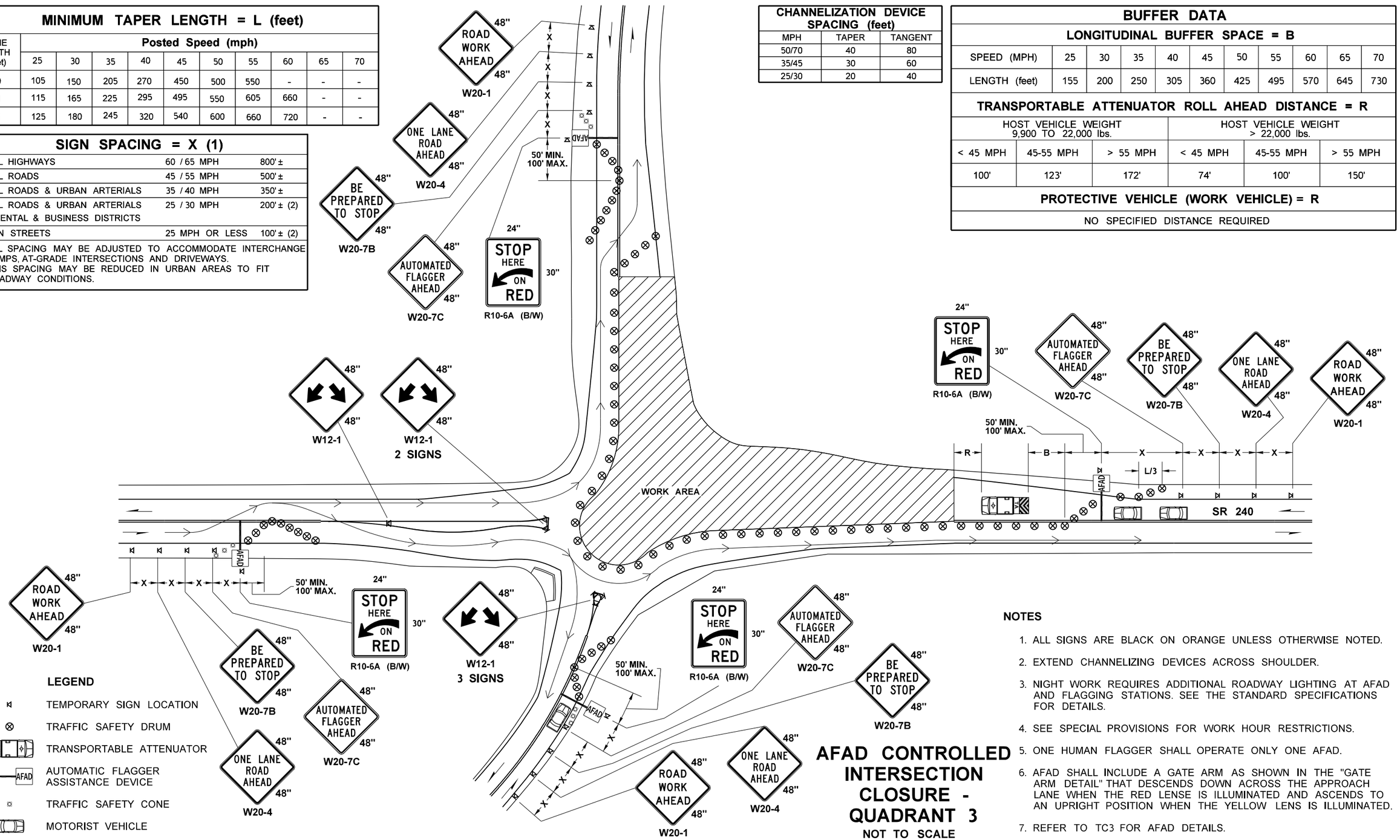
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

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'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED



AFAD CONTROLLED INTERSECTION CLOSURE - QUADRANT 3

NOT TO SCALE

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. EXTEND CHANNELIZING DEVICES ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT AFAD AND FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ONE HUMAN FLAGGER SHALL OPERATE ONLY ONE AFAD.
6. AFAD SHALL INCLUDE A GATE ARM AS SHOWN IN THE "GATE ARM DETAIL" THAT DESCENDS DOWN ACROSS THE APPROACH LANE WHEN THE RED LENSE IS ILLUMINATED AND ASCENDS TO AN UPRIGHT POSITION WHEN THE YELLOW LENS IS ILLUMINATED.
7. REFER TO TC3 FOR AFAD DETAILS.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:56 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 8

PLAN REF NO TC8

SHEET 49 OF 50 SHEETS

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

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

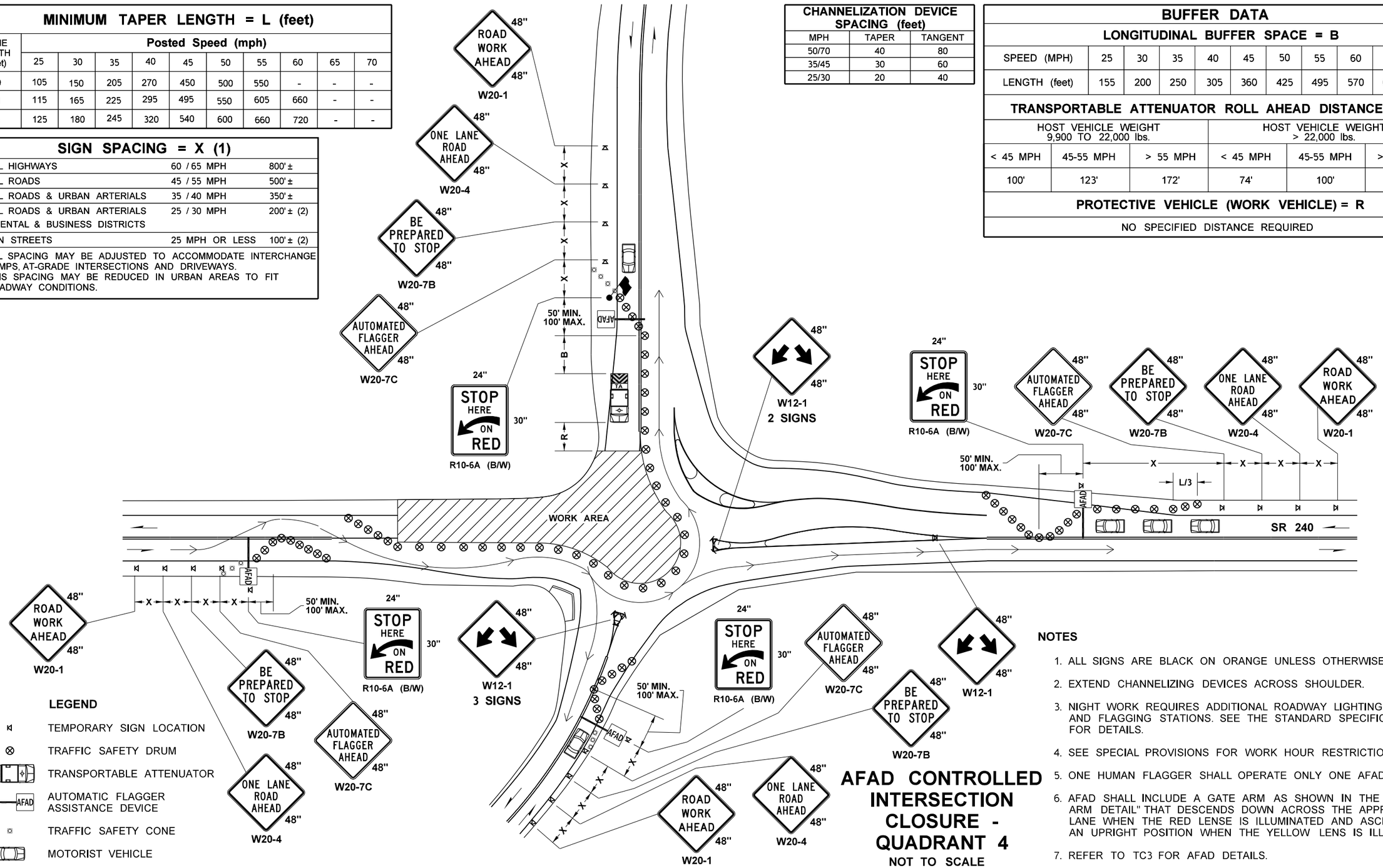
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

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'

PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED



LEGEND

- TEMPORARY SIGN LOCATION
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR
- AUTOMATIC FLAGGER ASSISTANCE DEVICE
- TRAFFIC SAFETY CONE
- MOTORIST VEHICLE

AFAD CONTROLLED INTERSECTION CLOSURE - QUADRANT 4

NOT TO SCALE

NOTES

1. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
2. EXTEND CHANNELIZING DEVICES ACROSS SHOULDER.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT AFAD AND FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR DETAILS.
4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
5. ONE HUMAN FLAGGER SHALL OPERATE ONLY ONE AFAD.
6. AFAD SHALL INCLUDE A GATE ARM AS SHOWN IN THE "GATE ARM DETAIL" THAT DESCENDS DOWN ACROSS THE APPROACH LANE WHEN THE RED LENSE IS ILLUMINATED AND ASCENDS TO AN UPRIGHT POSITION WHEN THE YELLOW LENS IS ILLUMINATED.
7. REFER TO TC3 FOR AFAD DETAILS.

FILE NAME	K:\454306\Projects\XL6239 SR 240 Corridor Improvements\CAD\ContractPlans_Alt\410-WZTCPlan\XL6239_PS_TC.dgn
TIME	6:38:57 AM
DATE	10/31/2022
PLOTTED BY	McCoyK
DESIGNED BY	M. DE GROOT
ENTERED BY	K. MCCOY
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 21Y009

CONTRACT NO. | LOCATION NO.

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

Washington State Department of Transportation

SR 240
SR 225 INTERSECTION
CONSTRUCT ROUNDABOUT

TRAFFIC CONTROL PLANS

Plot 9

PLAN REF NO TC9

SHEET 50 OF 50 SHEETS