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PLAN REFERENCE NO.

SHEET OF SHEETS

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

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DATE	1/19/2023
PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. 0166(011)

JOB NUMBER 21C509

CONTRACT NO.

LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

INDEX

Plot 1

PLAN REF. NO. IN1

SHEET 1 OF 61 SHEETS

PROJECT LICENSED PROFESSIONAL CERTIFICATES

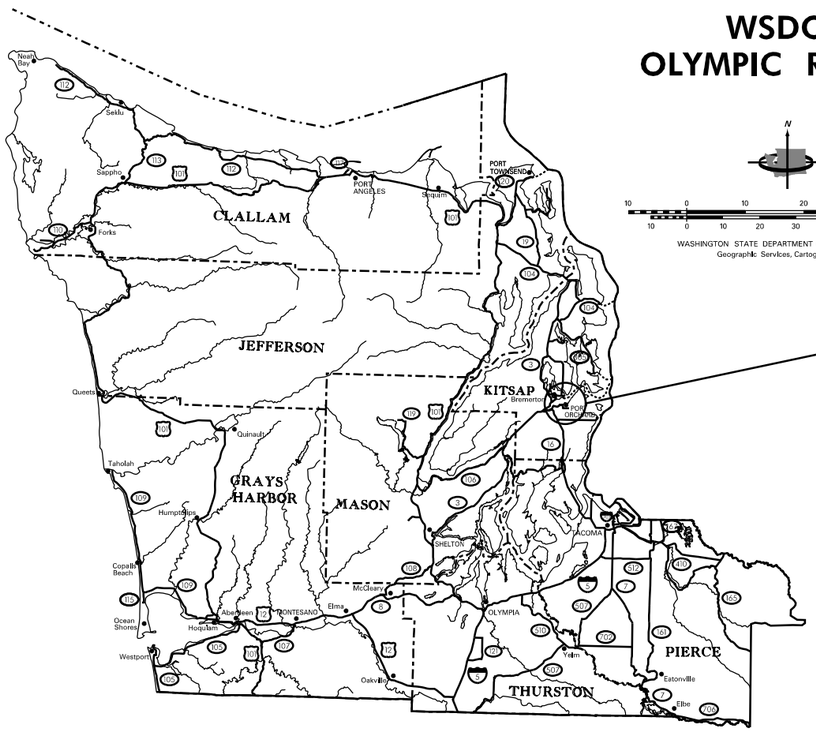
Amelia Amos Jan 23, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	Melissa Mies Jan 23, 2023 AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.	AS A LICENSED PROFESSIONAL IN DIRECT RESPONSIBLE CHARGE OF DEVELOPING THIS CONTRACT, I CERTIFY THAT ALL PLANS THAT CONTAIN MY STAMP HAVE BEEN DEVELOPED UNDER MY SUPERVISION.

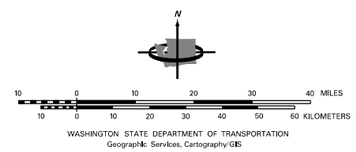
NOTES:

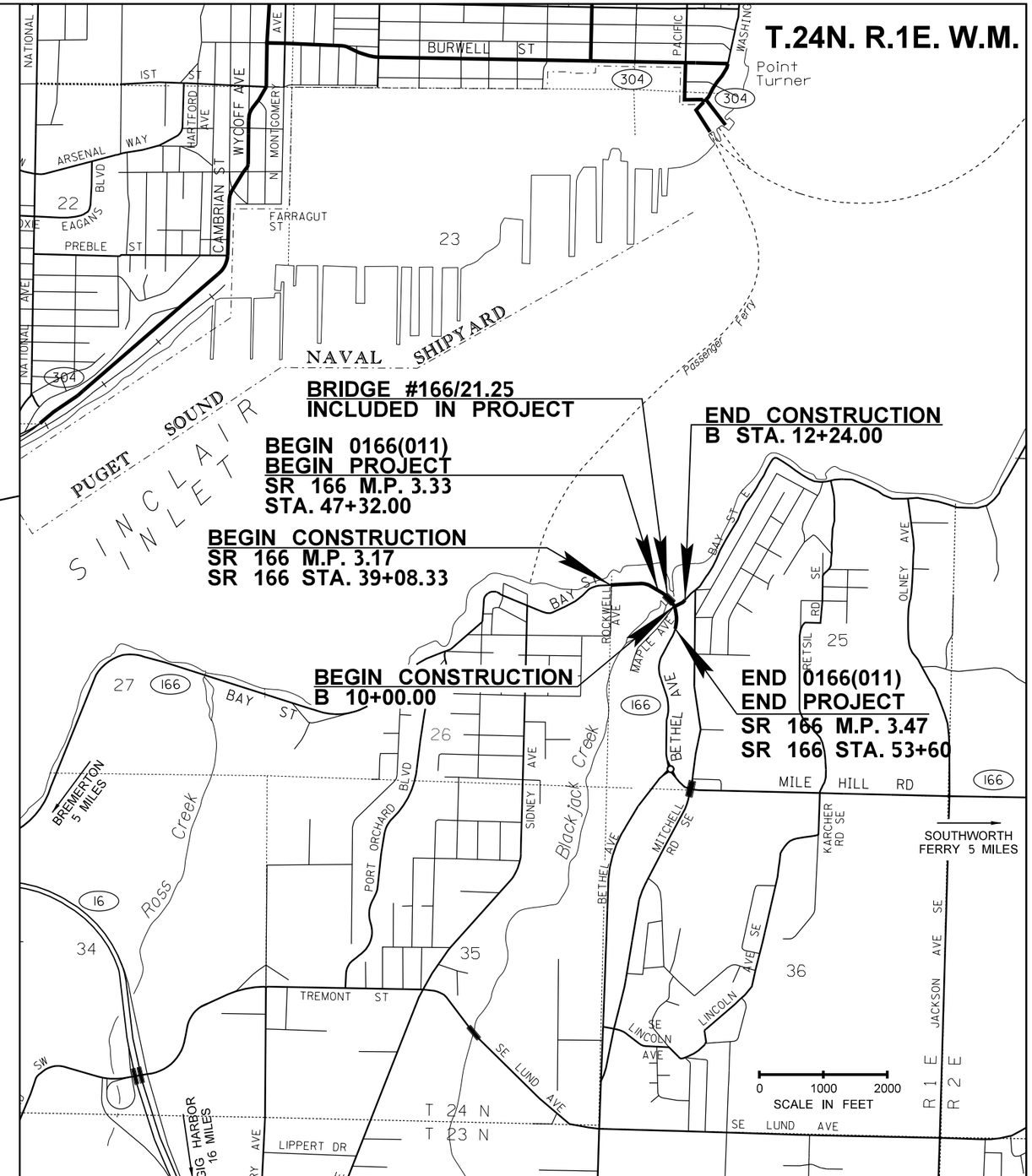
THIS PLAN SET WAS DEVELOPED ELECTRONICALLY UNDER THE DIRECT SUPERVISION OF THE LICENSED PROFESSIONALS THAT HAVE AFFIXED THEIR SIGNATURE TO THIS PAGE.

THIS SHEET SERVES AS THE CERTIFICATION BY THE ABOVE LICENSED PROFESSIONALS OF ALL SHEETS IN THIS PLAN SET WHERE THEIR STAMPS AND SIGNATURES APPEAR.

WSDOT
OLYMPIC REGION







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DESIGNED BY	C. MCGOWAN						
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL				CONTRACT NO.		LOCATION NO. XL6283
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

VICINITY MAP

Plot 1

PLAN REF NO VM1

SHEET 3 OF 61 SHEETS

SUMMARY OF QUANTITIES

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION I-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION I-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 SR 166 ROUND-ABOUT	GROUP 2 REIMB. FOR THIRD PARTY DAMAGE
						PREPARATION		
1	LUMP SUM	LUMP SUM		0001	L.S.	MOBILIZATION	L.S.	
2	LUMP SUM	LUMP SUM		0050	L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	
3	222.00	222.00		0100	S.Y.	REMOVING CEMENT CONC. SIDEWALK	222.00	
4	431.00	431.00		0110	L.F.	REMOVING CEMENT CONC. CURB	431.00	
5	311.00	311.00		0120	S.Y.	REMOVING ASPHALT CONC. PAVEMENT	311.00	
6	LUMP SUM	LUMP SUM		0215	L.S.	REMOVING MISCELLANEOUS TRAFFIC ITEM	L.S.	
7	30000.00	30000.00		0260	DOL	HAZARDOUS MATERIAL HANDLING AND DISPOSAL	30,000.00	
8	80.00	80.00		0261	C.Y.	HAZARDOUS MATERIAL EXCAVATION INCL. HAUL	80.00	
						GRADING		
9	460.00	460.00		0310	C.Y.	ROADWAY EXCAVATION INCL. HAUL	460.00	
10	270.00	270.00		0408	TON	SELECT BORROW INCL. HAUL	270.00	
11	150.00	150.00		0470	C.Y.	EMBANKMENT COMPACTION	150.00	
						STORM SEWER		
12	1.00	1.00		3091	EACH	CATCH BASIN TYPE 1	1.00	
13	6.00	6.00		3541	L.F.	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	6.00	
14	4.00	4.00			EACH	FRAME AND VANED GRATE FOR CATCH BASIN	4.00	
						STRUCTURE		
15	20.00	20.00		4451	S.F.	BRIDGE DECK REPAIR BR. NO. 166/21.25	20.00	
16	104.00	104.00		4455	S.Y.	WATERPROOF MEMBRANE BR. NO. 166/21.25	104.00	
						SURFACING		
17	800.00	800.00		5100	TON	CRUSHED SURFACING BASE COURSE	800.00	
						CEMENT CONCRETE PAVEMENT		
18	5.00	5.00		5625	C.Y.	CEMENT CONC. PAVEMENT	5.00	
19	385.00	385.00		5685	EACH	CORROSION RESISTANT DOWEL BAR	385.00	
20	185.00	185.00			C.Y.	PIGMENTED CEMENT CONCRETE PAVEMENT	185.00	
						HOT MIX ASPHALT		
21	3170.00	3170.00		5711	S.Y.	PLANING BITUMINOUS PAVEMENT	3,170.00	
22	104.00	104.00		5708	S.Y.	REMOVING EXISTING OVERLAY FROM BRIDGE DECK 166/21.25	104.00	
23	670.00	670.00		5767	TON	HMA CL. 1/2 IN. PG 58H-22	670.00	
24	2535.00	2535.00		5830	DOL	JOB MIX COMPLIANCE PRICE ADJUSTMENT	2,535.00	
25	4225.00	4225.00		5835	DOL	COMPACTION PRICE ADJUSTMENT	4,225.00	
26	-1.00	-1.00		5837	DOL	ASPHALT COST PRICE ADJUSTMENT	-1.00	
27	86.00	86.00		6511	L.F.	HMA SAWCUT AND SEAL	86.00	
28	-1.00	-1.00		6516	DOL	CYCLIC DENSITY PRICE ADJUSTMENT	-1.00	
						EROSION CONTROL AND ROADSIDE PLANTING		
29	25.00	25.00		6403	DAY	ESC LEAD	25.00	
30	7.00	7.00		6471	EACH	INLET PROTECTION	7.00	
31	5000.00	5000.00		6490	DOL	EROSION/WATER POLLUTION CONTROL	5,000.00	
32	100.00	100.00		6630	L.F.	HIGH VISIBILITY FENCE	100.00	
33	240.00	240.00		6391	S.Y.	TOPSOIL TYPE A	240.00	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	166	180701	*	0166(011)
2	166	180701	*	STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	0166(011)

JOB NUMBER 21C509/2

CONTRACT NO 000000

Washington State
Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - 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 166 ROUND-ABOUT	GROUP 2 REIMB. FOR THIRD PARTY DAMAGE
34	240.00	240.00		6580	S.Y.	BARK OR WOOD CHIP MULCH	240.00	
						TRAFFIC		
35	3.00	3.00		6698	EACH	ROUNDABOUT SPLITTER ISLAND NOSING CURB	3.00	
36	412.00	412.00		6699	L.F.	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER	412.00	
37	375.00	375.00		6700	L.F.	CEMENT CONC. TRAFFIC CURB AND GUTTER	375.00	
38	370.00	370.00		6707	L.F.	CEMENT CONC. PEDESTRIAN CURB	370.00	
39	659.00	659.00		6709	L.F.	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	659.00	
40	94.00	94.00		6727	L.F.	EXTRUDED CURB	94.00	
41	39.00	39.00		6841	L.F.	PRECAST DUAL FACED SLOPED MOUNTABLE CURB	39.00	
42	2192.00	2192.00		6807	L.F.	PLASTIC LINE	2,192.00	
43	384.00	384.00		6857	S.F.	PLASTIC CROSSWALK LINE	384.00	
44	23.00	23.00		6859	L.F.	PLASTIC STOP LINE	23.00	
45	6.00	6.00		6833	EACH	PLASTIC TRAFFIC ARROW	6.00	
46	3.00	3.00		6867	EACH	PLASTIC BICYCLE LANE SYMBOL	3.00	
47	0.31	0.31		6889	HUND	RECESSED PAVEMENT MARKER	0.31	
48	LUMP SUM	LUMP SUM		6890	L.S.	PERMANENT SIGNING	L.S.	
49	2130.00	2130.00		6895	L.F.	TEMPORARY PAVEMENT MARKING-SHORT DURATION	2,130.00	
50	80.00	80.00		6842	L.F.	TEMPORARY STOP LINE - SHORT DURATION	80.00	
51	LUMP SUM	LUMP SUM		6903	L.S.	TEMPORARY ILLUMINATION SYSTEM	L.S.	
52	LUMP SUM	LUMP SUM		6904	L.S.	ILLUMINATION SYSTEM PUGET SOUND ENERGY	L.S.	
53	LUMP SUM	LUMP SUM		6912	L.S.	TRAFFIC SIGNAL SYSTEM SCB 1121	L.S.	
54	LUMP SUM	LUMP SUM		6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	
55	25000.00	25000.00		7572	DOL	WORK ZONE SAFETY CONTINGENCY	25,000.00	
56	30.00	30.00		6818	L.F.	PLASTIC WIDE LINE	30.00	
57	72.00	72.00			L.F.	PLASTIC 12-INCH WIDE LINE	72.00	
						OTHER ITEMS		
58	LUMP SUM	LUMP SUM		7003	L.S.	TYPE B PROGRESS SCHEDULE	L.S.	
59	50.00	50.00		7008	S.F.	SHORING OR EXTRA EXCAVATION CLASS B	50.00	
60	LUMP SUM	LUMP SUM		7037	L.S.	STRUCTURE SURVEYING	L.S.	
61	LUMP SUM	LUMP SUM		7038	L.S.	ROADWAY SURVEYING	L.S.	
62	10000.00	10000.00		7040	DOL	LICENSED SURVEYING	10,000.00	
63	LUMP SUM	LUMP SUM		7042	L.S.	ADA FEATURES SURVEYING	L.S.	
64	275.00	275.00		7055	S.Y.	CEMENT CONC. SIDEWALK	275.00	
65	4.00	4.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL A	4.00	
66	1.00	1.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL B	1.00	
67	3.00	3.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION	3.00	
68	27.00	27.00		7054	S.F.	DETECTABLE WARNING SURFACE	27.00	
69	7.00	7.00		3080	EACH	ADJUST MANHOLE	7.00	
70	3.00	3.00		3100	EACH	ADJUST CATCH BASIN	3.00	
71	3.00	3.00		6243	EACH	ADJUST VALVE BOX	3.00	
72	400.00	400.00		7400	HR	TRAINING	400.00	
73	5000.00	5000.00		7480	DOL	ROADSIDE CLEANUP	5,000.00	
74	5.00	5.00		7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE		5.00
75	-1.00	-1.00		7728	DOL	MINOR CHANGE	-1.00	
76	-1.00	-1.00		7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00	
77	LUMP SUM	LUMP SUM		7736	L.S.	SPCC PLAN	L.S.	
78	LUMP SUM	LUMP SUM		7570	L.S.	HEALTH AND SAFETY PLAN	L.S.	

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	166	180701	*	0166(011)
2	166	180701	*	STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	0166(011)

JOB NUMBER 21C509/2

CONTRACT NO 000000

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SUMMARY OF QUANTITIES

SQ2

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 166 ROUND-ABOUT	GROUP 2 REIMB. FOR THIRD PARTY DAMAGE													
79	1.00	1.00			EACH	MANHOLE RING AND COVER	1.00														

GROUP LEGEND

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	166	180701	*	0166(011)
2	166	180701	*	STATE

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	0166(011)

JOB NUMBER 21C509/2

CONTRACT NO 000000

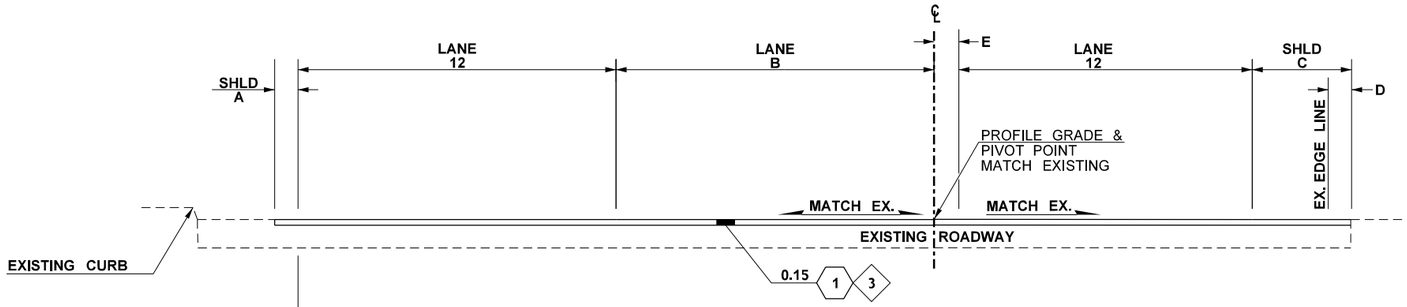
Washington State
Department of Transportation

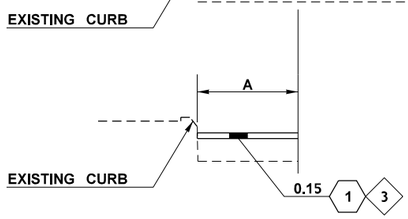
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SUMMARY OF QUANTITIES

SQ3

BAY ST. (SR166)



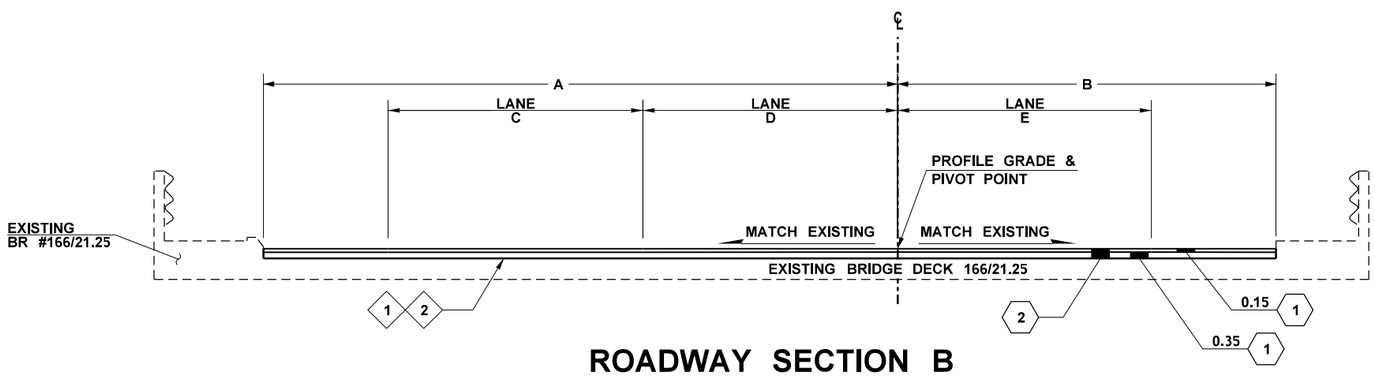


SR166 48+49.65 TO 48+62.20

ROADWAY SECTION A

SR166 STA. 47+31.00 TO STA. 48+62.20

STATION	A	B	C	D	E
SR166 47+31.00 TO 47+71.00	1	11.7 TO 11.0	1.0 TO 3.4	1	1
SR166 47+71.00 TO 48+07.90	1	11.0 TO 9.7	3.4 TO 5.4	1	0
SR166 48+07.90 TO 48+49.65	1 TO 3.4	9.7 TO 7.6	5.4 TO 6.3	1	0
SR166 48+49.65 TO 48+62.20	3.4 TO 3.8	7.6 TO 7.0	6.3 TO 7.9	1 TO 2	0



ROADWAY SECTION B

SEE STRUCTURE PAVING SCHEDULE

STRUCTURE PAVING SCHEDULE

STATION	BRIDGE NUMBER	A	B	C	D	E	GRADE CONTROL	EXISTING ASPHALT DEPTH*	3 DESIGN REMOVAL		2 PAVING DEPTH*
									PARTIAL/FULL	DEPTH*	
SR166 48+62.20 TO 48+86.20	166/21.25	22.8 TO 21.5	19.9 TO 20.9	12	7.0 TO 6.0	12	YES	0.50	FULL	0.50	0.50

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

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG 58H-22
2. REMOVING EXISTING OVERLAY FROM BRIDGE DECK BR. #166/21.25

CONSTRUCTION CALLOUTS

1. WATERPROOF MEMBRANE BRIDGE NO. 166/21.25
2. BRIDGE DECK REPAIR FOR BRIDGE NO. 166/21.25
3. PLANING BITUMINOUS PAVEMENT

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.

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PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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

JOB NUMBER

CONTRACT NO.

LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

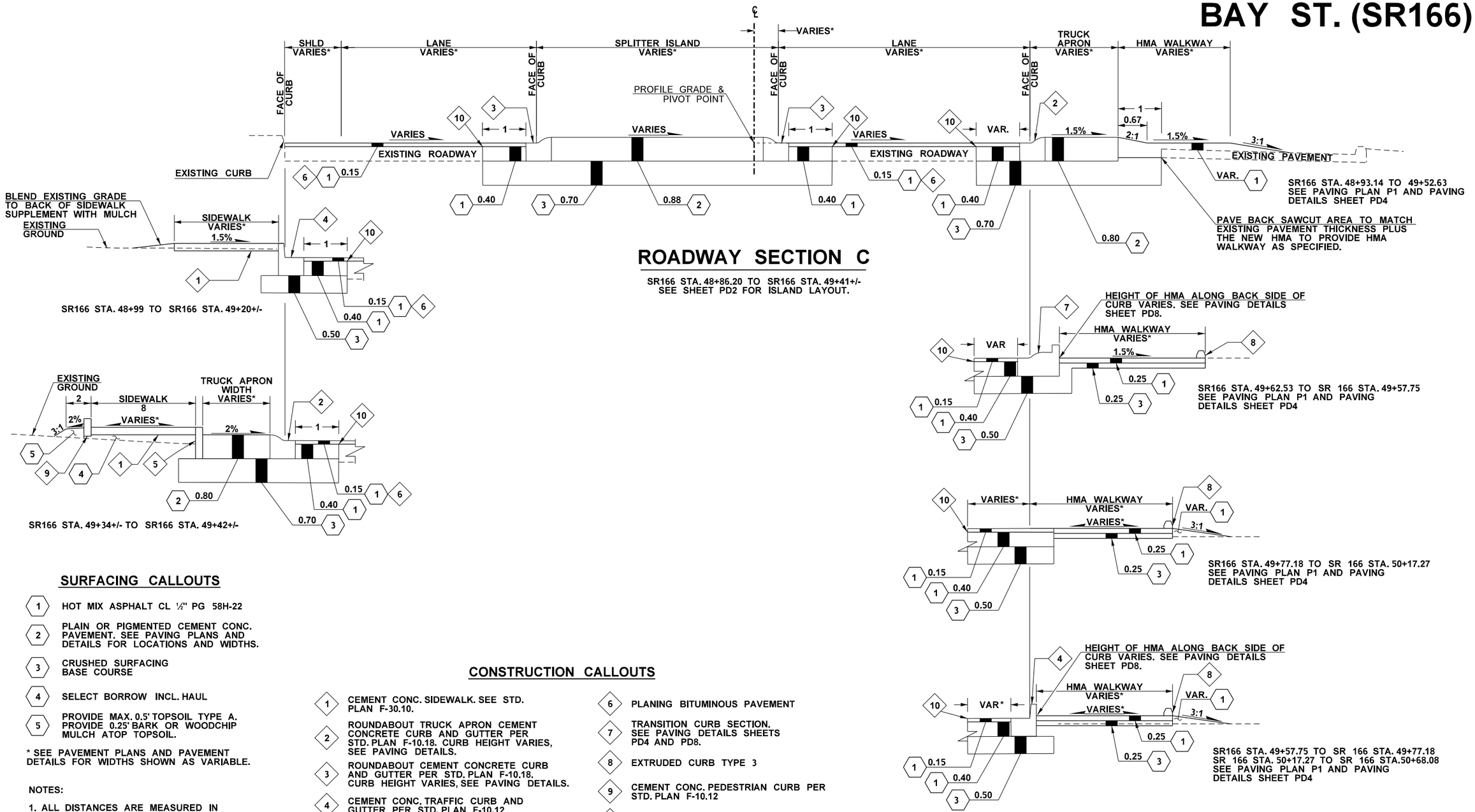
ROADWAY SECTIONS

Plot 1

PLAN REF NO RS1

SHEET 7 OF 61 SHEETS

BAY ST. (SR166)



ROADWAY SECTION C

SR166 STA. 48+86.20 TO SR166 STA. 49+41+/-
SEE SHEET PD2 FOR ISLAND LAYOUT.

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG 58H-22
2. PLAIN OR PIGMENTED CEMENT CONC. PAVEMENT. SEE PAVING PLANS AND DETAILS FOR LOCATIONS AND WIDTHS.
3. CRUSHED SURFACING BASE COURSE
4. SELECT BORROW INCL. HAUL
5. PROVIDE MAX. 0.5' TOPSOIL TYPE A. PROVIDE 0.25' BARK OR WOODCHIP MULCH ATOP TOPSOIL.

* SEE PAVEMENT PLANS AND PAVEMENT DETAILS FOR WIDTHS SHOWN AS VARIABLE.

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.

CONSTRUCTION CALLOUTS

1. CEMENT CONC. SIDEWALK. SEE STD. PLAN F-30.10.
2. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18. CURB HEIGHT VARIES, SEE PAVING DETAILS.
3. ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18, CURB HEIGHT VARIES, SEE PAVING DETAILS.
4. CEMENT CONC. TRAFFIC CURB AND GUTTER PER STD. PLAN F-10.12
5. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12, MODIFIED TO 1.13' HEIGHT (4" HEIGHT ABOVE BACK OF APRON). SEE SECTION A SHEET PD8.
6. PLANING BITUMINOUS PAVEMENT
7. TRANSITION CURB SECTION. SEE PAVING DETAILS SHEETS PD4 AND PD8.
8. EXTRUDED CURB TYPE 3
9. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12
10. SAWCUT EXISTING PAVEMENT

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TIME	5:07:54 PM				JOB NUMBER		
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PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. MCGOWAN						XL6283
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 36289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

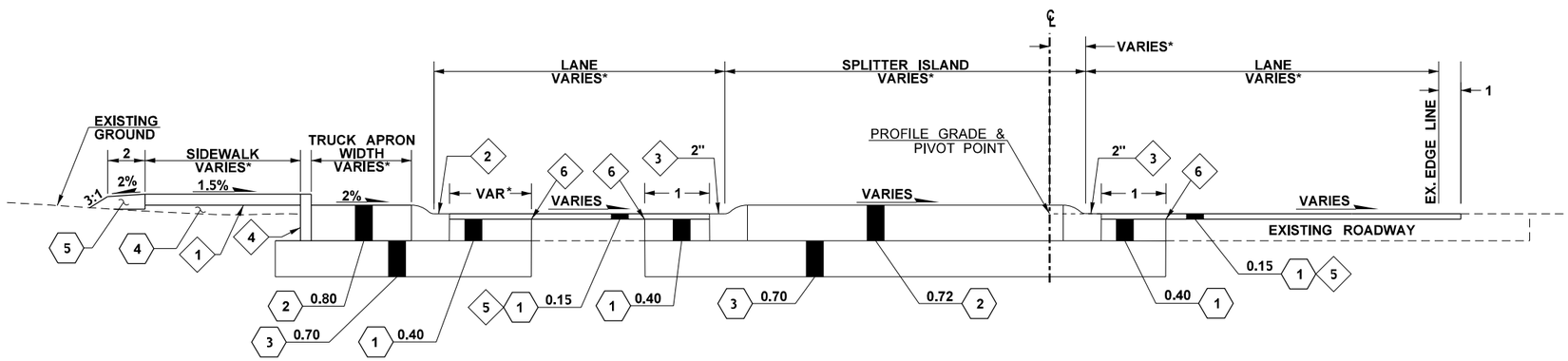
Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

ROADWAY SECTIONS

Plot 2
PLAN REF NO RS2
SHEET 8 OF 61 SHEETS

BETHEL AVE. (SR166)



ROADWAY SECTION D

SR166 STA. 50+47+/- TO SR166 STA. 51+36+/-

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG58H-22
2. PIGMENTED CEMENT CONC. PAVEMENT
3. CRUSHED SURFACING BASE COURSE
4. SELECT BORROW INCL. HAUL
5. PROVIDE MAX. 0.5' TOPSOIL TYPE A. PROVIDE 0.25' BARK OR WOODCHIP MULCH ATOP TOPSOIL.

CONSTRUCTION CALLOUTS

1. CEMENT CONC. SIDEWALK. SEE STD. PLAN F-30.10.
2. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18
3. ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18 CURB HEIGHT AS NOTED; SEE DETAIL A SHEET PD7.
4. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12, MODIFIED TO 1.13' HEIGHT (4" HEIGHT ABOVE BACK OF APRON). SEE SECTION A SHEET PD8.
5. PLANING BITUMINOUS PAVEMENT
6. SAWCUT EXISTING PAVEMENT

* SEE PAVEMENT PLANS AND PAVEMENT DETAILS FOR WIDTHS SHOWN AS VARIABLE.

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.

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DATE	1/19/2023				JOB NUMBER		
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. MCGOWAN						XL6283
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

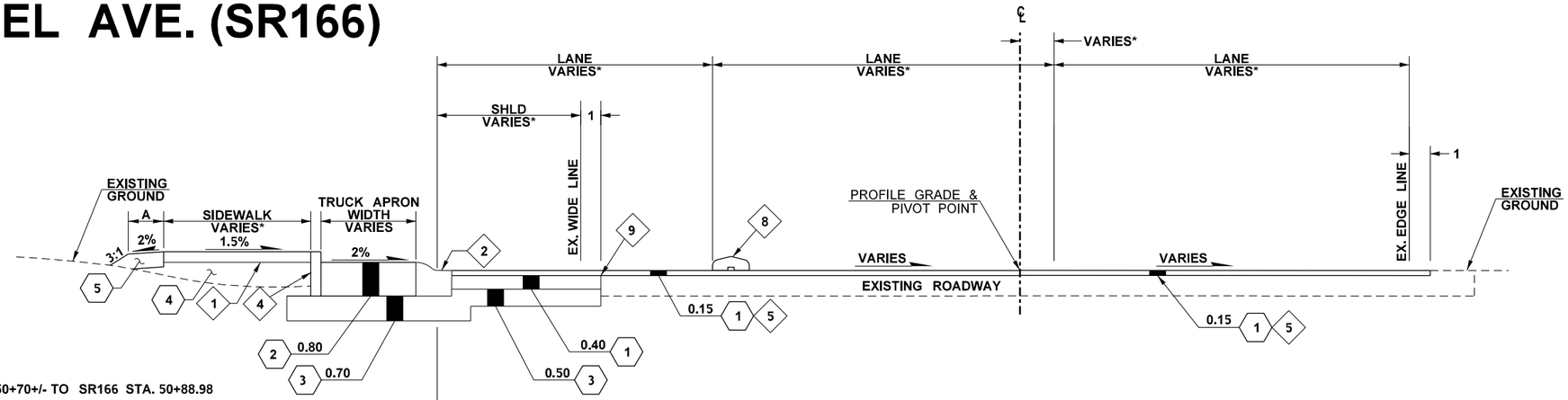
ROADWAY SECTIONS

Plot 3

PLAN REF NO RS3

SHEET 9 OF 61 SHEETS

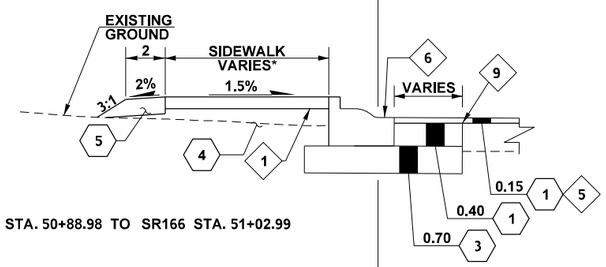
BETHEL AVE. (SR166)



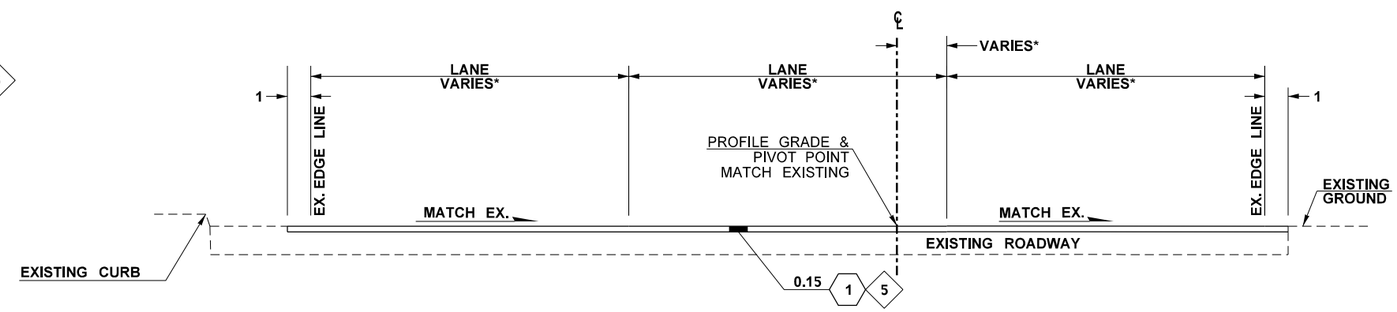
SR166 STA. 50+70+/- TO SR166 STA. 50+88.98

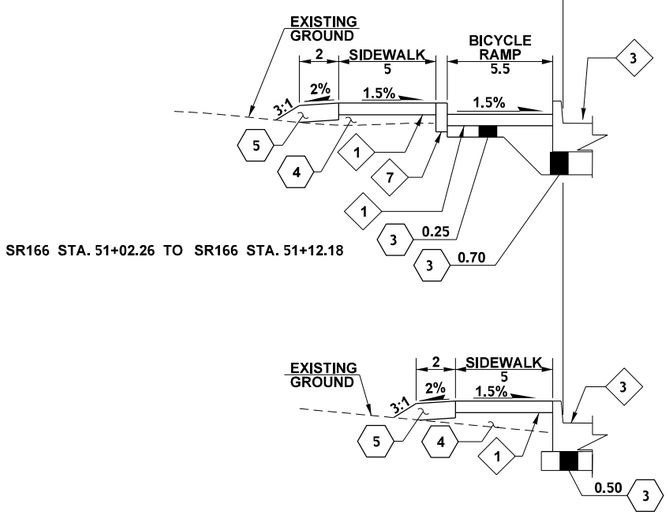
ROADWAY SECTION E

SR166 STA. 51+36+/- TO SR166 STA. 51+78.36



SR166 STA. 50+88.98 TO SR166 STA. 51+02.99





SR166 STA. 51+02.26 TO SR166 STA. 51+12.18

SR166 STA. 51+12.18 TO SR166 STA. 51+78.36

ROADWAY SECTION F

SR166 STA. 51+78.36 TO 53+59.70

CONSTRUCTION CALLOUTS

1. CEMENT CONC. SIDEWALK. SEE STD. PLAN F-30.10.
2. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18
3. CEMENT CONC. TRAFFIC CURB AND GUTTER PER STD. PLAN F-10.12
4. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12, MODIFIED TO 1.13' HEIGHT (4" HEIGHT ABOVE BACK OF APRON). SEE SECTION A SHEET PD8.
5. PLANING BITUMINOUS PAVEMENT
6. TRANSITION CURB SECTION. SEE PAVING DETAILS SHEETS PD6 AND PD8.
7. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12
8. PRECAST DUAL-FACED SLOPED MOUNTABLE CURB PER STD. PLAN F-10.64.
9. SAWCUT EXISTING PAVEMENT

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG 58H-22
2. PIGMENTED CEMENT CONC. PAVEMENT
3. CRUSHED SURFACING BASE COURSE
4. SELECT BORROW INCL. HAUL
5. PROVIDE MAX. 0.5' TOPSOIL TYPE A. PROVIDE 0.25' BARK OR WOODCHIP MULCH ATOP TOPSOIL.

* SEE PAVEMENT PLANS AND PAVEMENT DETAILS FOR WIDTHS SHOWN AS VARIABLE.

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.

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ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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

JOB NUMBER

CONTRACT NO. | LOCATION NO. XL6283

AMELIA AMOS, STATE OF WASHINGTON, 38289, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

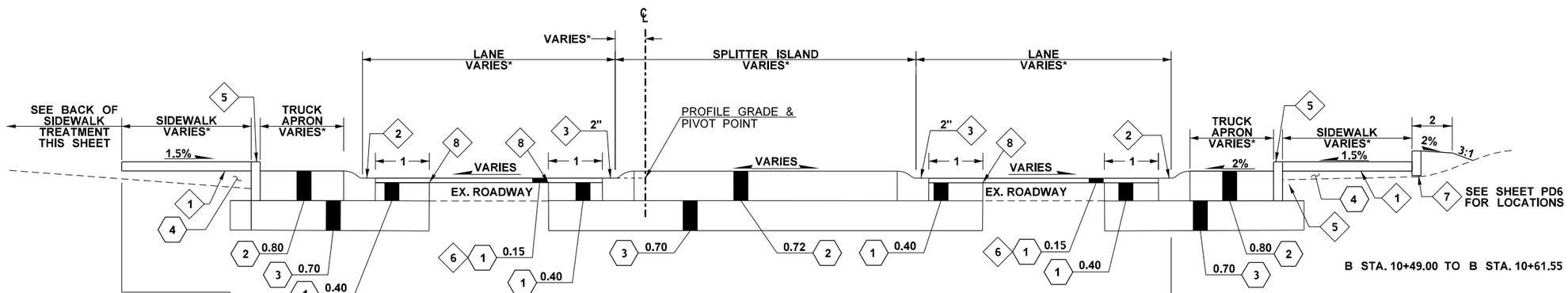
ROADWAY SECTIONS

Plot 4

PLAN REF NO RS4

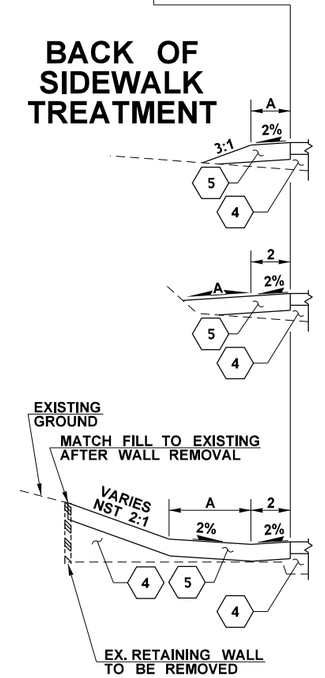
SHEET 10 OF 61 SHEETS

BAY ST. E

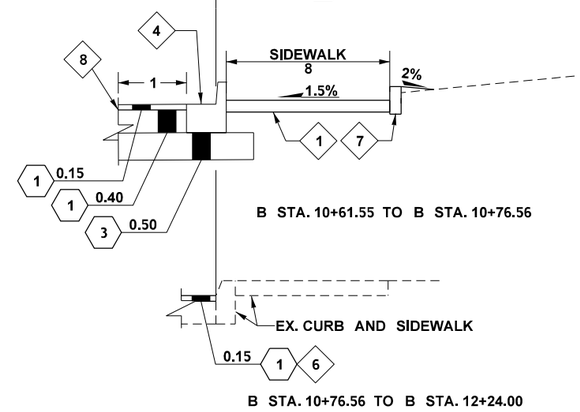


ROADWAY SECTION G

B STA. 10+49.00 TO B STA. 10+95.00



	A
B STA. 10+49.00 TO B STA. 10+60.00	2
B STA. 10+60.00 TO B STA. 11+10.00	2 TO 10.25
B STA. 11+10.00 TO B STA. 11+20.00	-2% TO 2%
B STA. 11+20.00 TO B STA. 11+65.00	9 TO 0
B STA. 11+65.00 TO B STA. 12+24.00	0



CONSTRUCTION CALLOUTS

1. CEMENT CONC. SIDEWALK. SEE STD. PLAN F-30.10.
2. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18
3. ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18 CURB HEIGHT AS NOTED; SEE DETAIL A SHEET PD7.
4. CEMENT CONC. TRAFFIC CURB AND GUTTER PER STD. PLAN F-10.12
5. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12, MODIFIED TO 1.13' HEIGHT (4" HEIGHT ABOVE BACK OF APRON). SEE SECTION A SHEET PD8.
6. PLANING BITUMINOUS PAVEMENT
7. CEMENT CONC PEDESTRIAN CURB PER STD. PLAN F-10.12
8. SAWCUT EXISTING PAVEMENT

* SEE PAVEMENT PLANS AND PAVEMENT DETAILS FOR WIDTHS SHOWN AS VARIABLE.

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG 58H-22
2. PLAIN OR PIGMENTED CEMENT CONC. PAVEMENT. SEE PAVING PLANS AND DETAILS FOR LOCATIONS AND WIDTHS.
3. CRUSHED SURFACING BASE COURSE
4. SELECT BORROW INCL. HAUL
5. PROVIDE MAX. 0.5' TOPSOIL TYPE A. PROVIDE 0.25' BARK OR WOODCHIP MULCH ATOP TOPSOIL.

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.

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REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 38299 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

SR 166

BAY ST./BETHEL AVE./MAPLE AVE. INTERSECTION - ROUNDABOUT

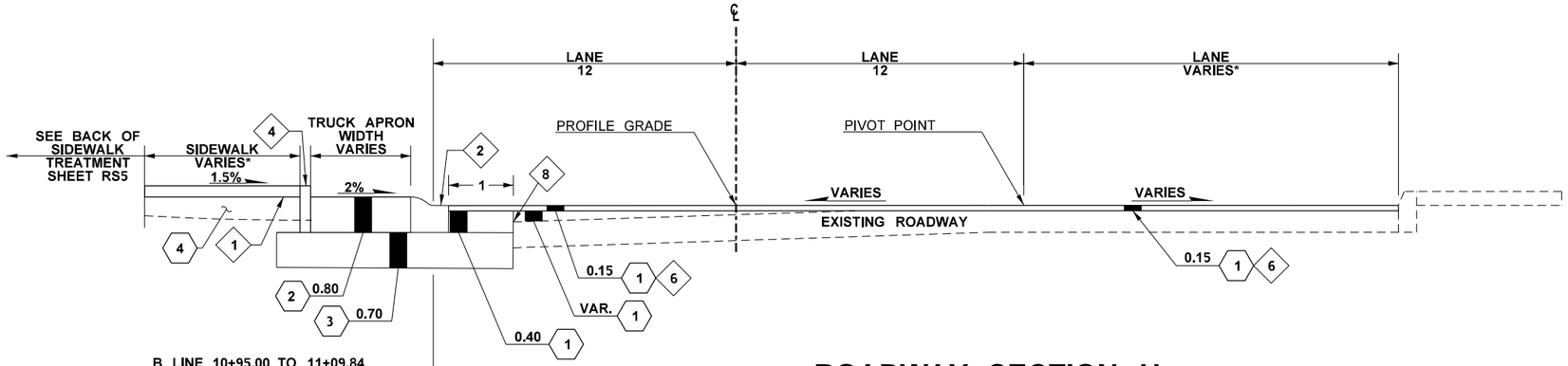
ROADWAY SECTIONS

Plot 5

PLAN REF NO RS5

SHEET 11 OF 61 SHEETS

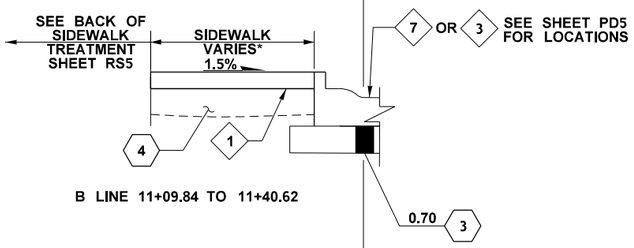
BAY ST. E



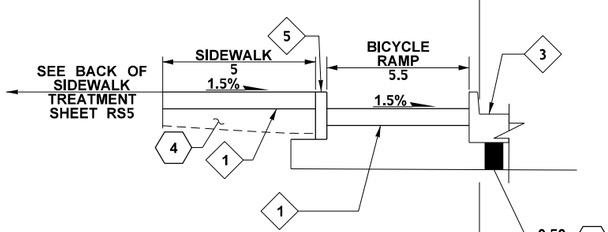
B LINE 10+95.00 TO 11+09.84

ROADWAY SECTION H

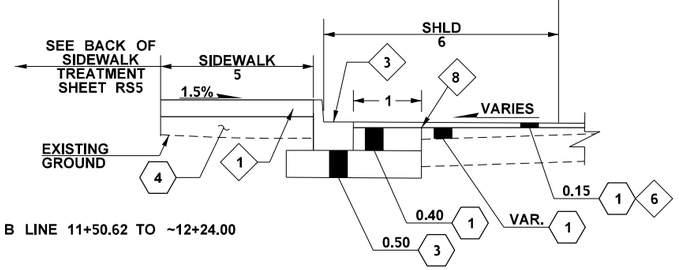
B STA. 10+95.00 TO B STA. 12+24.00



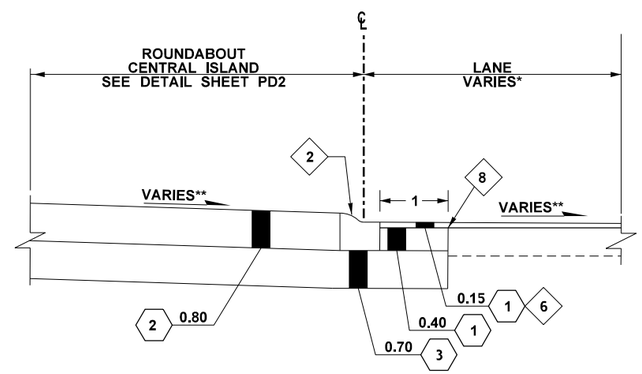
B LINE 11+09.84 TO 11+40.62



B LINE 11+40.62 TO 11+50.62



B LINE 11+50.62 TO ~12+24.00



ROADWAY SECTION J

ROUNDABOUT CENTRAL ISLAND

A STA. 1+00.00 TO A STA. 3+11.51

SURFACING CALLOUTS

1. HOT MIX ASPHALT CL ½" PG 58H-22
2. PIGMENTED CEMENT CONC. PAVEMENT
3. CRUSHED SURFACING BASE COURSE
4. SELECT BORROW INCL. HAUL

CONSTRUCTION CALLOUTS

1. CEMENT CONC. SIDEWALK. SEE STD. PLAN F-30.10.
2. ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER STD. PLAN F-10.18
3. CEMENT CONC. TRAFFIC CURB AND GUTTER PER STD. PLAN F-10.12
4. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12, MODIFIED TO 1.13' HEIGHT (4" HEIGHT ABOVE BACK OF APRON). SEE SECTION A SHEET PD8.
5. CEMENT CONC. PEDESTRIAN CURB PER STD. PLAN F-10.12
6. PLANING BITUMINOUS PAVEMENT SEE NOTE 3.
7. TRANSITION CURB SECTION. SEE PAVING DETAILS SHEETS PD6 AND PD8.
8. SAWCUT EXISTING PAVEMENT

* SEE PAVEMENT PLANS AND PAVEMENT DETAILS FOR WIDTHS SHOWN AS VARIABLE.

** SEE ROADWAY PROFILES AND PAVING PLANS/DETAILS FOR VARYING SLOPES FOR TRUCK APRON AND ROUNDABOUT CENTRAL ROADWAY.

NOTES:

1. ALL DISTANCES ARE MEASURED IN FEET, UNLESS OTHERWISE NOTED. DRAWINGS ARE NOT TO SCALE.
2. ALL DEPTHS OF SURFACING SHOWN ARE COMPACTED DEPTHS.
3. AFTER CURB CONSTRUCTION ALONG THE LEFT SIDE OF BAY ST. E, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO DETERMINE LOCATIONS OF PRELEVEL HMA AND/OR PLANING OF EXISTING HMA.

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CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

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Washington State Department of Transportation

SR 166

BAY ST./BETHEL AVE./MAPLE AVE. INTERSECTION - ROUNDABOUT

ROADWAY SECTIONS

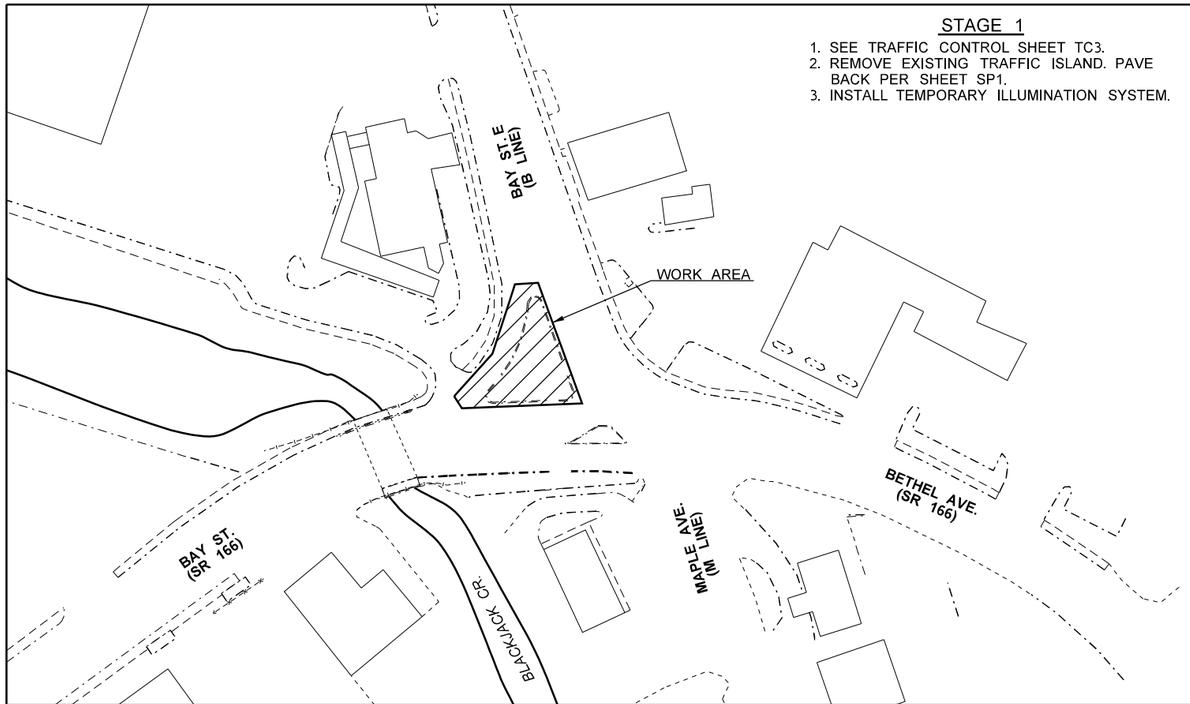
Plot 6

PLAN REF NO RS6

SHEET 12 OF 61 SHEETS

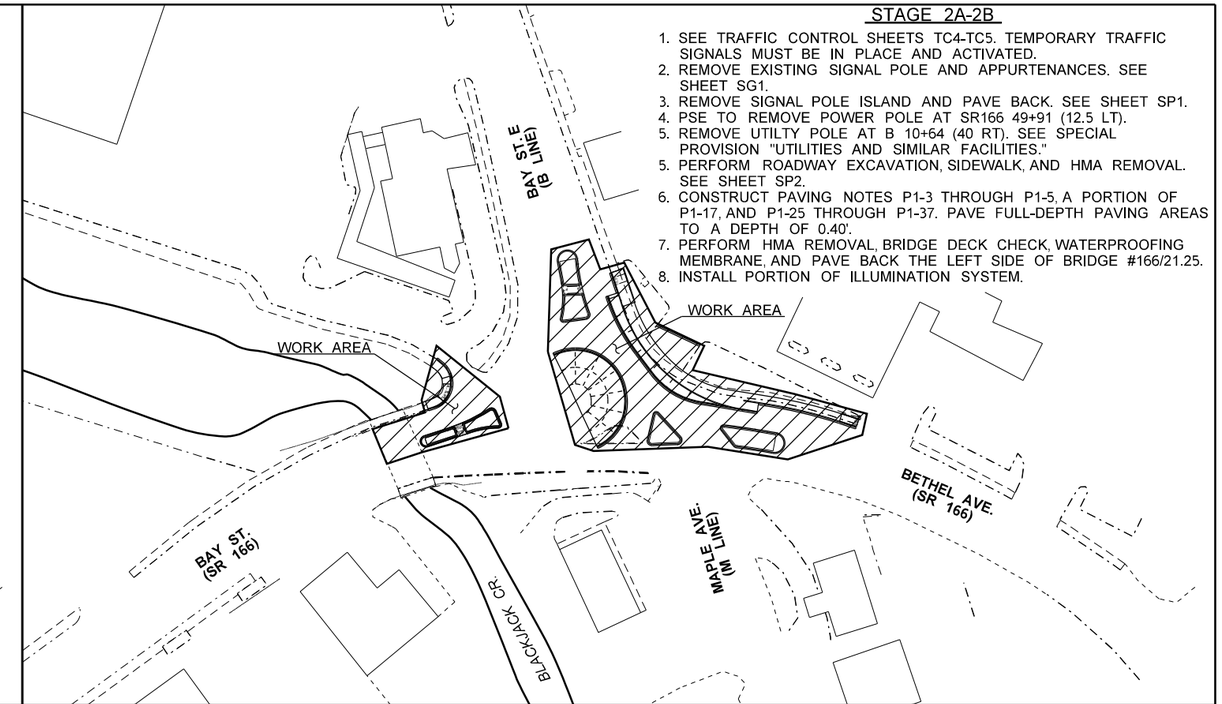
STAGE 1

1. SEE TRAFFIC CONTROL SHEET TC3.
2. REMOVE EXISTING TRAFFIC ISLAND. PAVE BACK PER SHEET SP1.
3. INSTALL TEMPORARY ILLUMINATION SYSTEM.



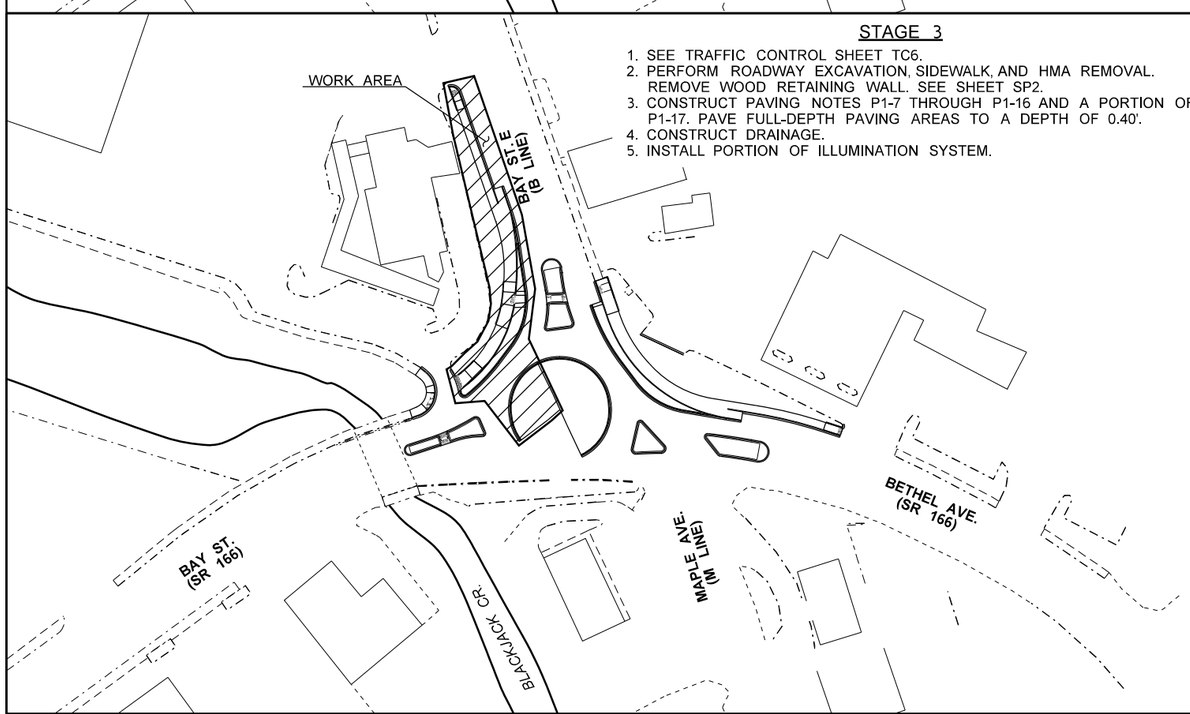
STAGE 2A-2B

1. SEE TRAFFIC CONTROL SHEETS TC4-TC5. TEMPORARY TRAFFIC SIGNALS MUST BE IN PLACE AND ACTIVATED.
2. REMOVE EXISTING SIGNAL POLE AND APPURTENANCES. SEE SHEET SG1.
3. REMOVE SIGNAL POLE ISLAND AND PAVE BACK. SEE SHEET SP1.
4. PSE TO REMOVE POWER POLE AT SR166 49+91 (12.5 LT).
5. REMOVE UTILTY POLE AT B 10+64 (40 RT). SEE SPECIAL PROVISION "UTILITIES AND SIMILAR FACILITIES."
5. PERFORM ROADWAY EXCAVATION, SIDEWALK, AND HMA REMOVAL. SEE SHEET SP2.
6. CONSTRUCT PAVING NOTES P1-3 THROUGH P1-5, A PORTION OF P1-17, AND P1-25 THROUGH P1-37. PAVE FULL-DEPTH PAVING AREAS TO A DEPTH OF 0.40'.
7. PERFORM HMA REMOVAL, BRIDGE DECK CHECK, WATERPROOFING MEMBRANE, AND PAVE BACK THE LEFT SIDE OF BRIDGE #166/21.25.
8. INSTALL PORTION OF ILLUMINATION SYSTEM.



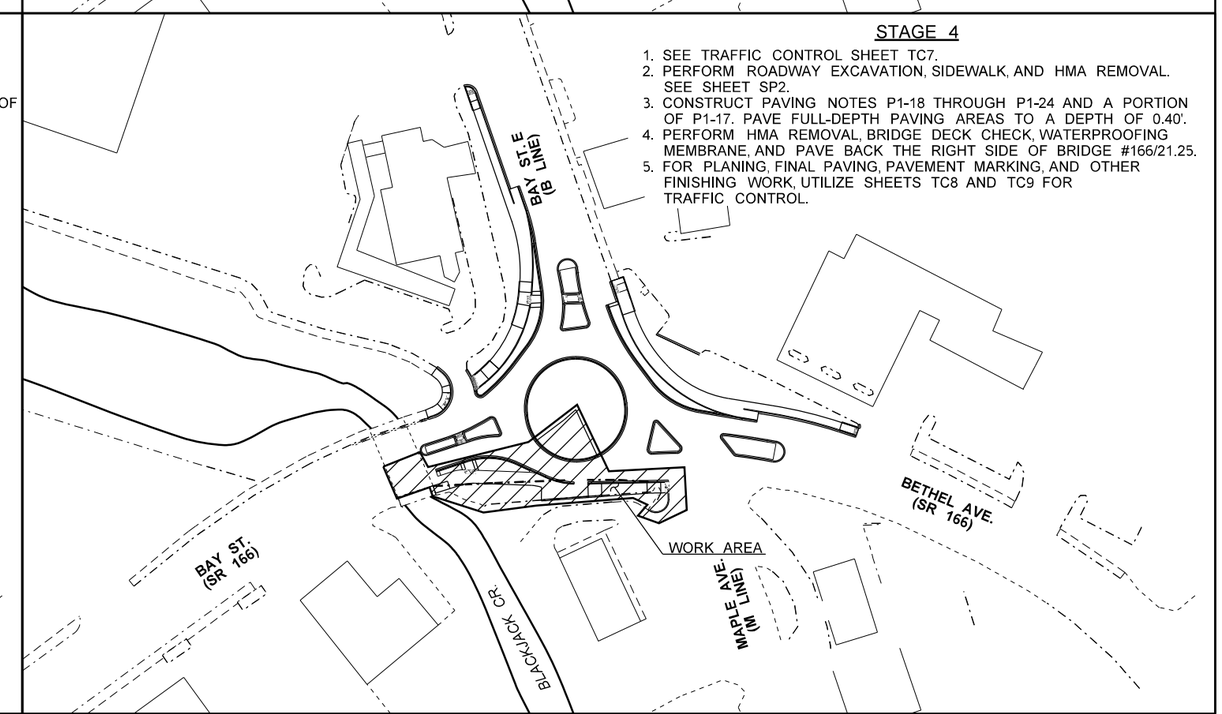
STAGE 3

1. SEE TRAFFIC CONTROL SHEET TC6.
2. PERFORM ROADWAY EXCAVATION, SIDEWALK, AND HMA REMOVAL. REMOVE WOOD RETAINING WALL. SEE SHEET SP2.
3. CONSTRUCT PAVING NOTES P1-7 THROUGH P1-16 AND A PORTION OF P1-17. PAVE FULL-DEPTH PAVING AREAS TO A DEPTH OF 0.40'.
4. CONSTRUCT DRAINAGE.
5. INSTALL PORTION OF ILLUMINATION SYSTEM.



STAGE 4

1. SEE TRAFFIC CONTROL SHEET TC7.
2. PERFORM ROADWAY EXCAVATION, SIDEWALK, AND HMA REMOVAL. SEE SHEET SP2.
3. CONSTRUCT PAVING NOTES P1-18 THROUGH P1-24 AND A PORTION OF P1-17. PAVE FULL-DEPTH PAVING AREAS TO A DEPTH OF 0.40'.
4. PERFORM HMA REMOVAL, BRIDGE DECK CHECK, WATERPROOFING MEMBRANE, AND PAVE BACK THE RIGHT SIDE OF BRIDGE #166/21.25.
5. FOR PLANING, FINAL PAVING, PAVEMENT MARKING, AND OTHER FINISHING WORK, UTILIZE SHEETS TC8 AND TC9 FOR TRAFFIC CONTROL.



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PROJ. ENGR.	A. AMOS			
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

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DATE

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Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

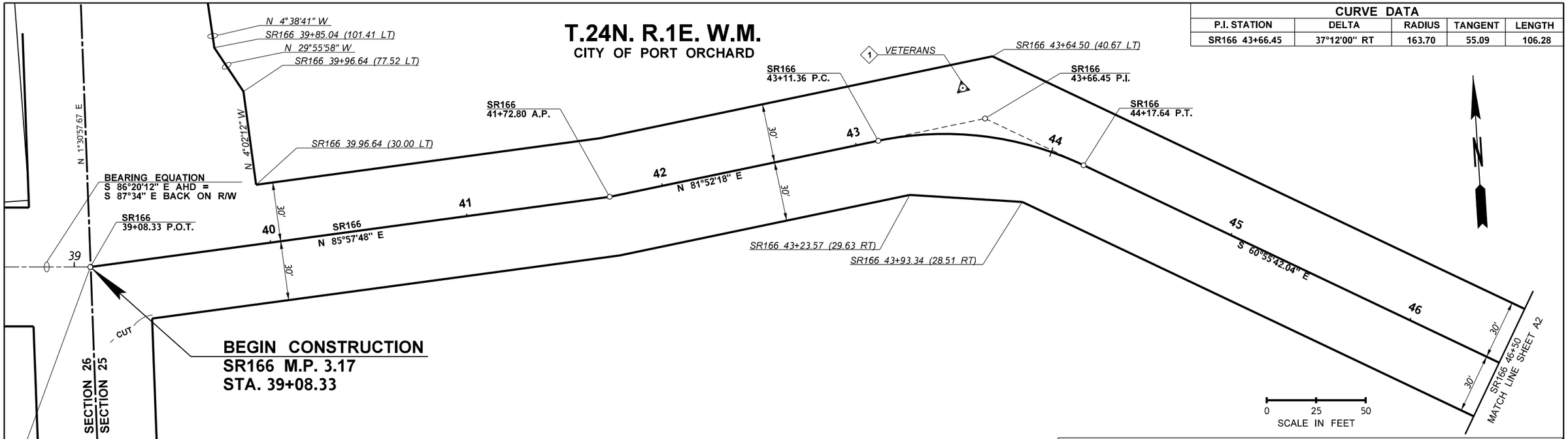
STAGING PLANS

Plot 1

PLAN REF NO **ST1**

SHEET 13 OF 61 SHEETS

T.24N. R.1E. W.M.
CITY OF PORT ORCHARD



SR166 39+08.13 A.P.=
STA. 10+63.30 A.P. ON RIGHT-OF-WAY PLAN SET TITLED "SR166 CITY OF PORT ORCHARD BLACKJACK CREEK TO HARRISON AVE" APP'D APRIL 11, 1924, SHEET

CURVE DATA

P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
SR166 43+66.45	37°12'00" RT	163.70	55.09	106.28

LEGEND

- 48 — CONSTRUCTION CENTERLINE
- RIGHT OF WAY
- RIGHT OF ENTRY/ CONSTRUCTION PERMIT
- SECTION LINE
- SURVEYED MONUMENT CALLOUT
- SURVEYED PROPERTY CORNER
- PRIMARY CONTROL POINT

PRIMARY CONTROL TABLE

HORIZONTAL DATUM NAD 83/11 4601 WA NORTH US FEET			PROJECT DATUM COMBINED FACTOR 0.999992829		VERTICAL DATUM NAVD 88
DESIGNATION	NORTHING	EASTING	NORTHING	EASTING	ELEVATION
166-4	202824.457	1197393.770	530909.244	1525485.690	12.936
N 255 RESET	203020.956	1197309.059	531105.745	1525400.978	14.042
VETERANS	203219.617	1196905.231	531304.407	1524997.147	14.587

TRANSFORM SPC TO PDC (SPC US Feet * (1/CF)) + ((39.37/12) * 100000)=PDC
TRANSFORM PDC TO SPC (PDC US Feet - ((39.37/12) * 100000)) * CF=SPC
For Report of Survey Mark https://www.wsdot.wa.gov/monument/search.aspx

NOTES:

1. MONUMENTS DESTROYED AND RESET UNDER THIS CONTRACT MUST COMPLY WITH RCW 58.09.40 AND RCW 58.09.120

EXISTING MONUMENTATION

CODE	EXISTING LOCATION		DESCRIPTION	ACTION REQUIRED BY CONTRACTOR
A1-1	SR166 43+53.12	23.45 LT	3 1/2" BRASS DISK SET IN SIDEWALK. PRIMARY CONTROL "VETERANS".	DO NOT DISTURB
A2-1	SR166 47+94.29	31.86 RT	NAT'L GEO. SERVICE BRASS DISK IN SIDEWALK. PRIMARY CONTROL "N 255 RESET".	DO NOT DISTURB
A2-2	SR166 49+11.01	3.56 LT	MONUMENT CASE AND COVER; NO MONUMENT INSIDE	REMOVE CASE AND COVER. SEE SITE PREPARATION PLAN SHEET SP2.
A2-3	B 10+41.68	41.26 RT	OFFSET PROPERTY CORNER TACK IN LEAD FLUSH WITH SIDEWALK.	WILL BE DESTROYED AND REPLACED IN ORIGINAL POSITION OR ON SOUTH PROPERTY LINE PER AFN 8701290109 VOLUME 25 BOOK 25 OF SURVEYS. SEE SPECIAL PROVISION "LICENSED SURVEYING."
A2-4	SR166 50+42.12	12.46 RT	2 1/4" PIPE WITH GUN SHELL CASING 0.35' BELOW GRADE IN MONUMENT CASE AND COVER	TO BE DESTROYED AND NOT REPLACED. SEE SITE PREPARATION PLAN SHEET SP2.
A2-5	SR166 50+21.06	51.40' RT.	3 CM DIAMETER ALUMINUM SURVEY CAP RECESSED INTO PAVEMENT. STAMPED "166-4."	WILL BE DESTROYED AND NOT REPLACED.
A2-6	SR166 50+91.21	3.02 RT	2 1/4" PIPE WITH GUN SHELL CASING 0.35' BELOW GRADE IN MONUMENT CASE AND COVER	TO BE DESTROYED AND NOT REPLACED. SEE SITE PREPARATION PLAN SHEET SP2.
A2-7	SR166 51+28.20	31.10 RT	1" IRON PIPE 0.45' BELOW GROUND.	DO NOT DISTURB
A2-8	SR166 51+22.86	57.96 RT	1" IRON PIPE WITH HOLLOW CENTER, FLUSH WITH GROUND.	DO NOT DISTURB
A2-9	SR166 51+80.99	136.49 RT	1" IRON PIPE WITH HOLLOW CENTER, FLUSH WITH GROUND.	DO NOT DISTURB

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REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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JOB NUMBER 21C509

CONTRACT NO.

LOCATION NO. XL6283

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

ALIGNMENT

Plot 1

PLAN REF NO A1

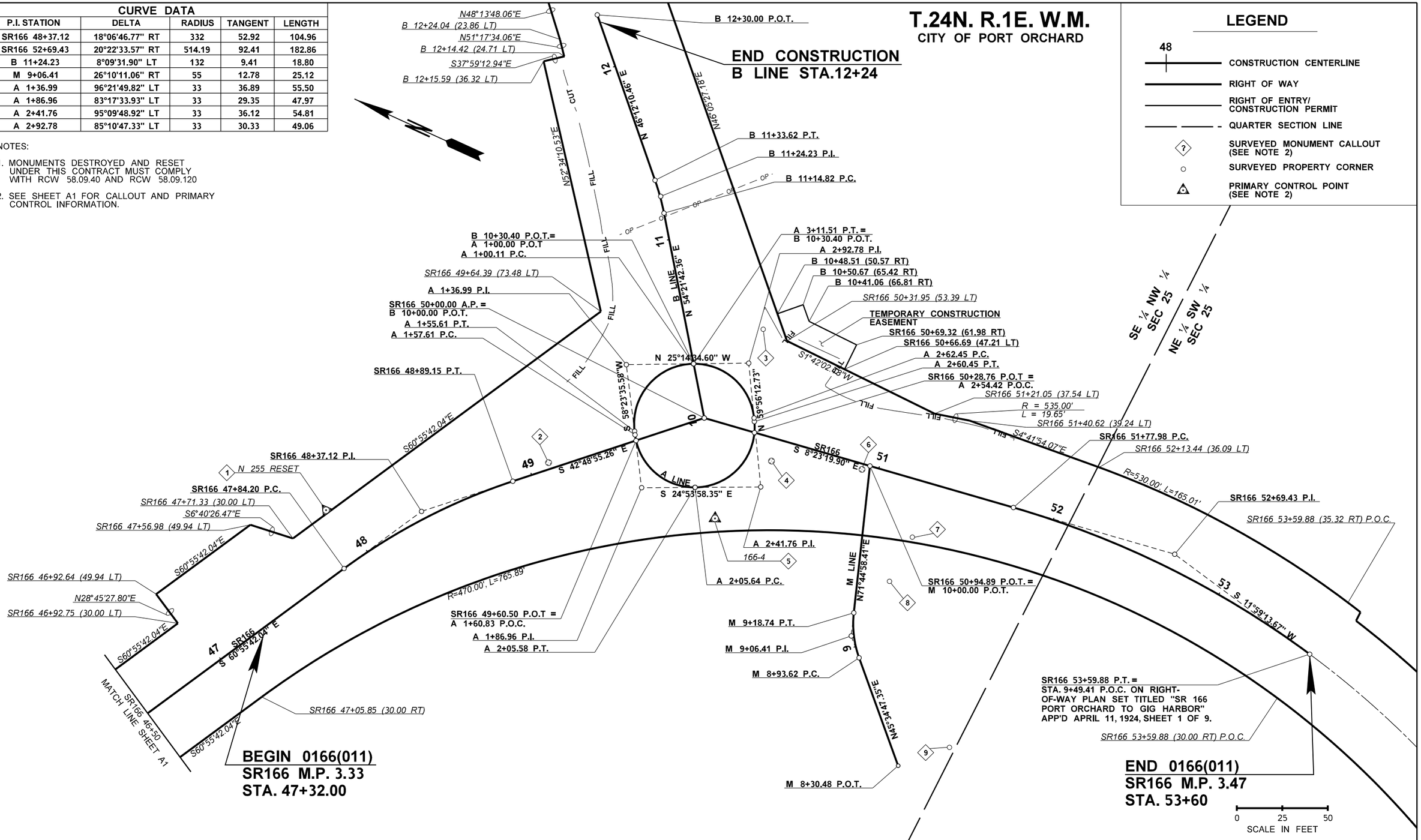
SHEET 14 OF 61 SHEETS

T.24N. R.1E. W.M.
CITY OF PORT ORCHARD

CURVE DATA				
P.I. STATION	DELTA	RADIUS	TANGENT	LENGTH
SR166 48+37.12	18°06'46.77" RT	332	52.92	104.96
SR166 52+69.43	20°22'33.57" RT	514.19	92.41	182.86
B 11+24.23	8°09'31.90" LT	132	9.41	18.80
M 9+06.41	26°10'11.06" RT	55	12.78	25.12
A 1+36.99	96°21'49.82" LT	33	36.89	55.50
A 1+86.96	83°17'33.93" LT	33	29.35	47.97
A 2+41.76	95°09'48.92" LT	33	36.12	54.81
A 2+92.78	85°10'47.33" LT	33	30.33	49.06

NOTES:

1. MONUMENTS DESTROYED AND RESET UNDER THIS CONTRACT MUST COMPLY WITH RCW 58.09.40 AND RCW 58.09.120
2. SEE SHEET A1 FOR CALLOUT AND PRIMARY CONTROL INFORMATION.



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DATE	1/19/2023					
PLOTTED BY	charlem					
DESIGNED BY	C. MCGOWAN					
ENTERED BY	C. MCGOWAN					
CHECKED BY	K. CORNWELL					
PROJ. ENGR.	A. AMOS					
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY		

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 21C509
CONTRACT NO. | LOCATION NO.

AMELIA AMOS, STATE OF WASHINGTON, 36289, REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

ALIGNMENT

Plot 2
PLAN REF NO A2
SHEET 15 OF 61 SHEETS

QUANTITY TABULATION - SITE PREPARATION

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	REMOVING CEMENT CONC. SIDEWALK	REMOVING CEMENT CONC. CURB	REMOVING ASPHALT CONC. PAVEMENT		ROADWAY EXCAVACTION INCL. HAUL	CRUSHED SURFACING BASE COURSE	HMA CL. PG58H-22	HIGH VISIBILITY FENCE								SEE GENERAL NOTES
		S.Y.	L.F.	S.Y.		C.Y.	TON	TON	L.F.								
SP1-1	SR166 39+09 (RT) TO 39+38 (RT)			6													
SP1-2	SR166 48+96 (29 LT) TO 49+07 (51 LT)								50								1
SP1-3	SR166 49+46.30 TO 50+05.00 (LT AND RT)					140	100	100									2
SP1-4	SR166 48+88 (29 RT) TO 49+13 (45 RT)								50								1
SP1-5	SR166 49+86.50 TO 50+47.50 (RT)					20	20	20									2
SP2-1	SR166 49+38 (LT) TO B 12+25 (LT)	109															
SP2-2	SR166 49+33 (LT) TO B 12+25 (LT)		224														
SP2-3	SR166 49+31 (LT) TO B 12+27 (LT)			140													
SP2-4	B 10+76 (RT) TO SR166 51+78 (LT)		207														
SP2-5	B 10+76 (RT) TO SR166 51+78 (LT)	113															
SP2-6	SR166 50+29 (LT) TO 50+65 (LT)			59													
SP2-7	B 10+77 (RT) TO SR166 51+79 (LT)			31													
SP2-8	SR166 49+58 TO 50+69.5 (RT)			75													
	SHEET TOTAL	222	431	311		160	120	120	100								
	PROJECT TOTAL	222	431	311		160	120	120	100								

GENERAL NOTES:

1. SEE STD. PLAN I-10.10-01. INSTALL PER DIRECTION OF ENGINEER. AVOID PLACING FENCE OVER UTILITY VAULTS IN AREA.

2. SEE SECTION A-A ON SHEET SP1 FOR SURFACING DEPTHS.

DESIGNED BY	C. MCGOWAN					REGION NO.	STATE
ENTERED BY	C. MCGOWAN					10	WASH
CHECKED BY	K. CORNWELL					JOB NUMBER	
PROJ. ENGR.	A. AMOS					21C509	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY		

FED. AID PROJ. NO.
0166(011)

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

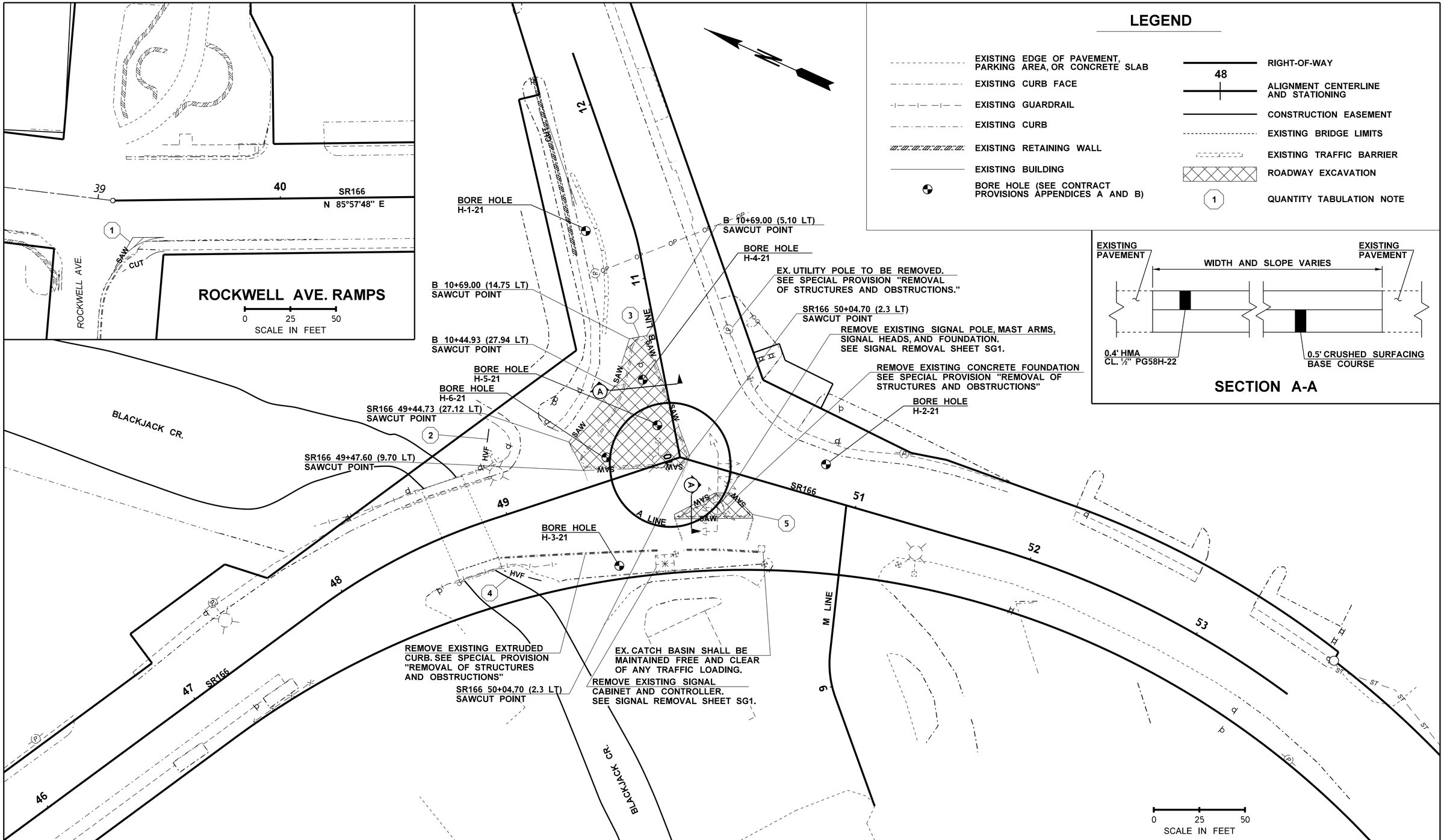
QUANTITY TABULATION - SITE PREPARATION

QTSP 1

SHEET 16 OF 61 SHEETS

LEGEND

- EXISTING EDGE OF PAVEMENT, PARKING AREA, OR CONCRETE SLAB
- EXISTING CURB FACE
- EXISTING GUARDRAIL
- EXISTING CURB
- EXISTING RETAINING WALL
- EXISTING BUILDING
- BORE HOLE (SEE CONTRACT PROVISIONS APPENDICES A AND B)
- RIGHT-OF-WAY
- 48 ALIGNMENT CENTERLINE AND STATIONING
- CONSTRUCTION EASEMENT
- EXISTING BRIDGE LIMITS
- EXISTING TRAFFIC BARRIER
- ROADWAY EXCAVATION
- 1 QUANTITY TABULATION NOTE



SECTION A-A

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DATE	1/20/2023
PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.	LOCATION NO. XL6283	

AMELIA AMOS, STATE OF WASHINGTON, 38289, REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SITE PREPARATION - STAGES 1 - 2A

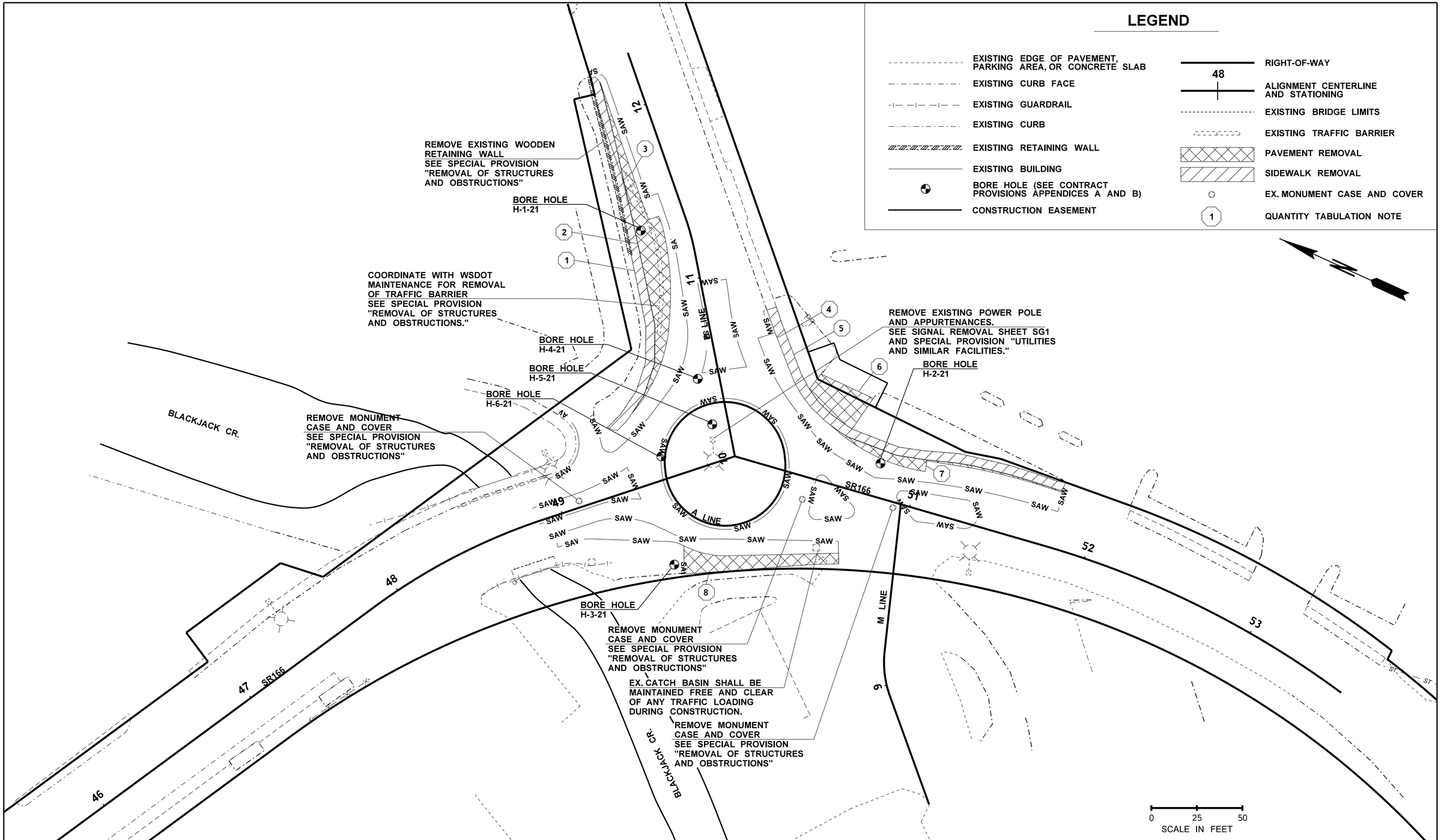
Plot 1

PLAN REF NO SP1

SHEET 17 OF 61 SHEETS

LEGEND

- EXISTING EDGE OF PAVEMENT, PARKING AREA, OR CONCRETE SLAB
- EXISTING CURB FACE
- EXISTING GUARDRAIL
- EXISTING CURB
- EXISTING RETAINING WALL
- EXISTING BUILDING
- BORE HOLE (SEE CONTRACT PROVISIONS APPENDICES A AND B)
- CONSTRUCTION EASEMENT
- RIGHT-OF-WAY
- 48 ALIGNMENT CENTERLINE AND STATIONING
- EXISTING BRIDGE LIMITS
- EXISTING TRAFFIC BARRIER
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- EX. MONUMENT CASE AND COVER
- (1) QUANTITY TABULATION NOTE



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PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

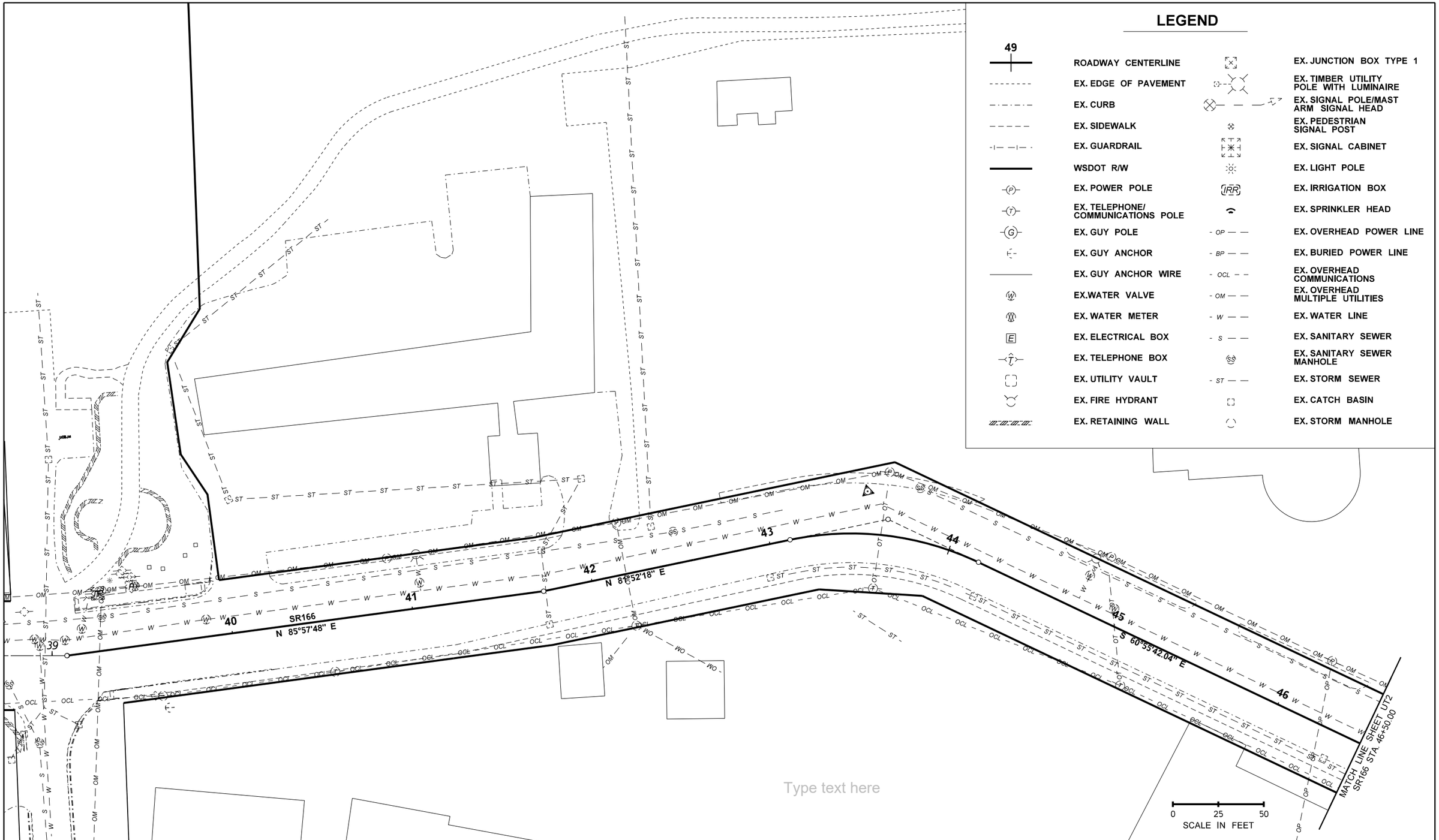
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SITE PREPARATION - STAGES 2B - 4

Plot 2

PLAN REF NO SP2

SHEET 18 OF 61 SHEETS



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DATE	1/19/2023						
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN						
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS — STATE OF WASHINGTON — 38389 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

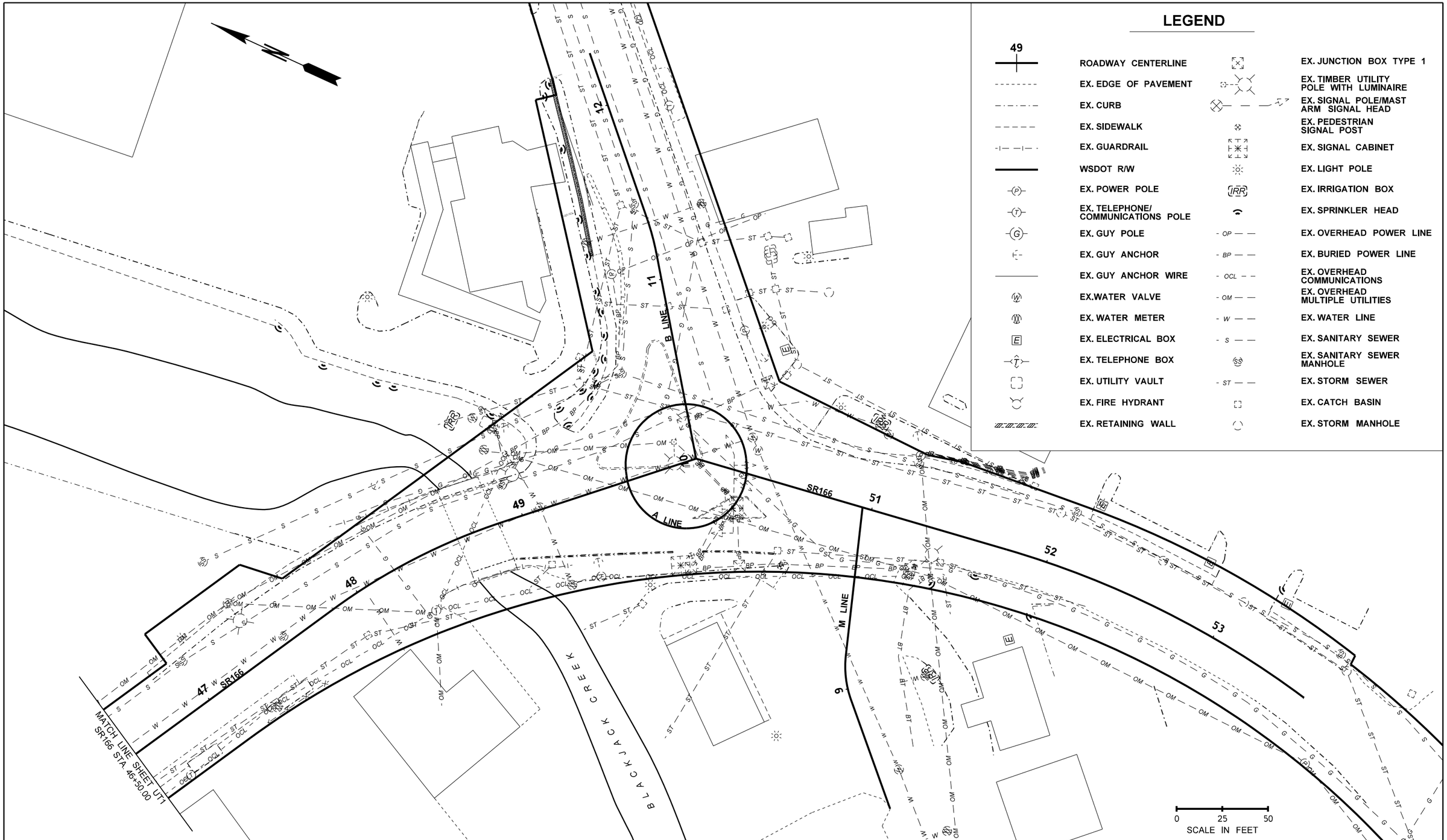
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

EXISTING UTILITIES

Plot 1

PLAN REF NO UT1

SHEET 19 OF 61 SHEETS



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TIME	5:08:09 PM				JOB NUMBER		
DATE	1/19/2023				CONTRACT NO.		LOCATION NO. XL6283
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN						
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 38389 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE
P.E. STAMP BOX

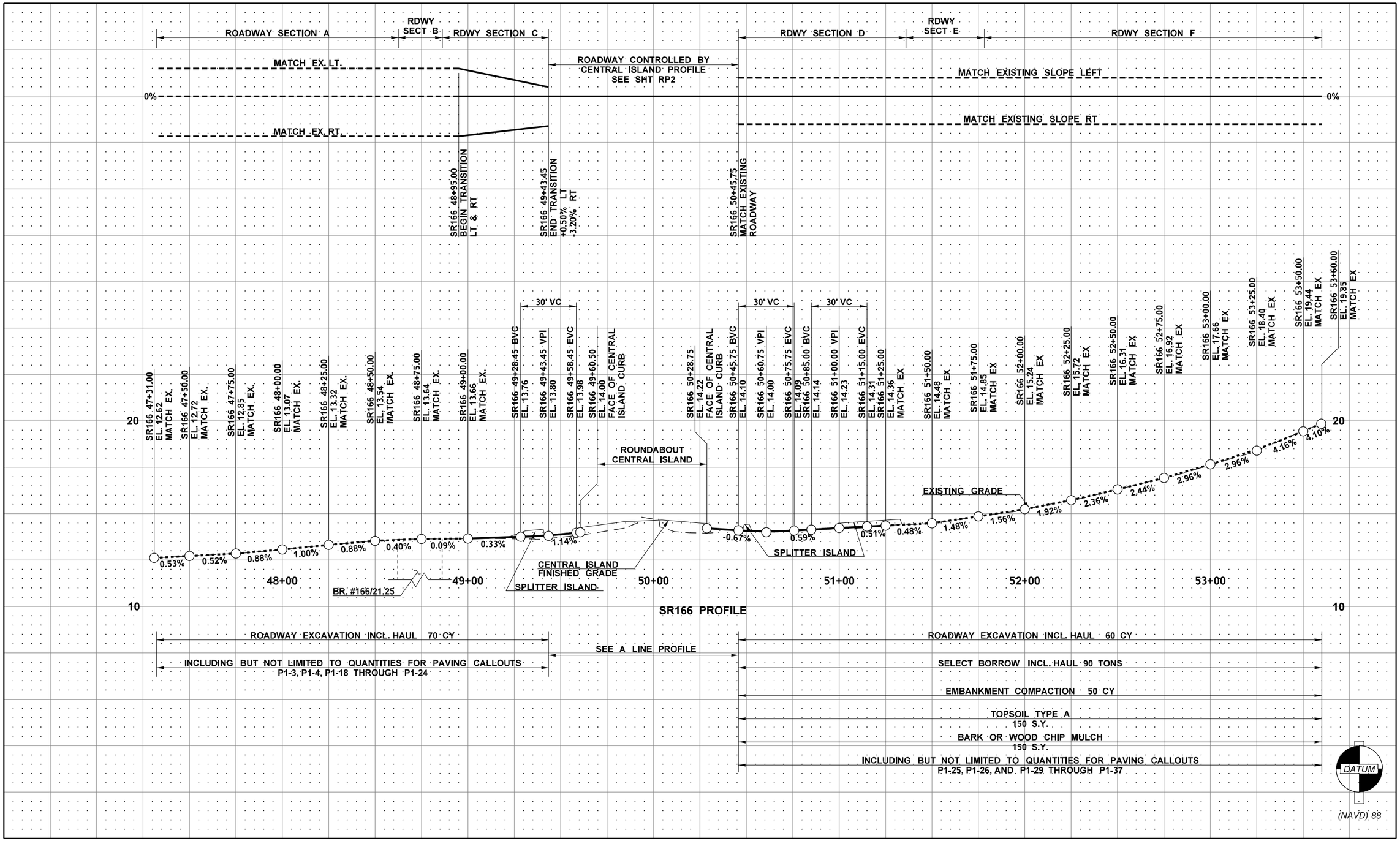
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

EXISTING UTILITIES

Plot 2
PLAN REF NO UT2
SHEET 20 OF 61 SHEETS



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DATE	1/19/2023				JOB NUMBER		
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO. XL6283
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

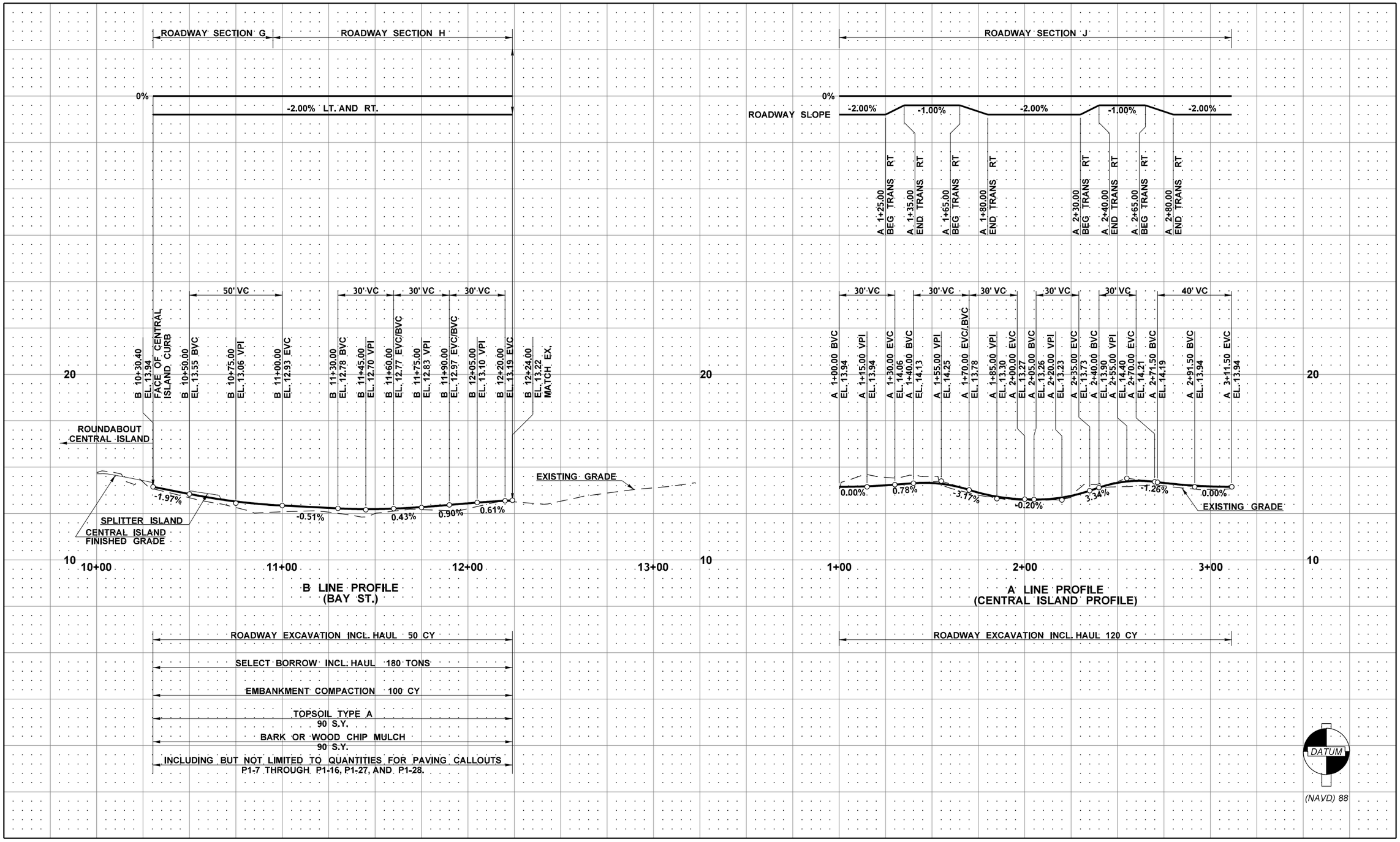
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

ROADWAY PROFILES

Plot 1

PLAN REF. NO. RP1

SHEET 21 OF 61 SHEETS



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TIME	5:08:11 PM				10	WASH	
DATE	1/19/2023				JOB NUMBER		
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. MCGOWAN						XL6283
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 16290 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1

DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

ROADWAY PROFILES

Plot 2

PLAN REF. NO. RP2

SHEET 22 OF 61 SHEETS

STRUCTURE NOTES - DRAINAGE

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	HAZARDOUS MATERIAL EXCAVATION INCL. HAUL	CATCH BASIN TYPE 1	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	FRAME AND VANED GRATE FOR CATCH BASIN	INLET PROTECTION		SHORING OR EXTRA EXCAVATION CLASS B	ADJUST MANHOLE	ADJUST CATCH BASIN	ADJUST VALVE BOX		MANHOLE RING AND COVER				SEE GENERAL NOTES
		C.Y.	EACH	L.F.	EACH	EACH		S.F.	EACH	EACH	EACH		EACH				
D1-1	SR166 47+53 (5 LT)								1								
D1-2	SR166 48+94 (19.3 LT)								1								
D1-3	SR166 49+10.5 (1.1 LT)										1						
D1-4	B 10+53.5 (31.1 LT)								1								
D1-5	B 10+84.7 (1.0 RT)					1			1				1				1, 5, 7
D1-6	B 11+45.8 (11.2 LT)				1	1				1							2, 3, 5, 6
D1-7	B 11+45.80 (11.2 LT) TO B 11+52.84 (16.85 LT)	10	1	6		1		50									2, 3, 4, 5
D1-8	B 11+44.0 (4.3 LT)								1								
D1-9	B 11+15.3 (25.7 RT)				1	1				1							5, 6
D1-10	B 10+77.1 (31.6 RT)				1	1				1							2, 3, 5, 6
																	2, 3
D1-11	SR166 50+26.5 (19.8 LT)										1						
D1-12	SR166 50+31.3 (13.9 LT)										1						
D1-13	SR166 50+56.8 (35.8 RT)					1											5
D1-14	B 10+53.5 (31.3 LT)								1								
D1-15	SR166 51+44.2 (17.1 RT)				1	1											2, 3, 5, 6
D1-16	SR166 51+99.00 (28 LT)								1								
	SHEET TOTAL	10	1	6	4	7		50	7	3	3		1				
	PROJECT TOTAL	10	1	6	4	7		50	7	3	3		1				

GENERAL NOTES:

1. PROVIDE NEW MANHOLE RING AND COVER PER STD. PLAN B-30.70, LETTERING SHALL BE "DRAIN."
2. PROVIDE FRAME PER STD. PLAN B-30.10.
3. PROVIDE VANED GRATE PER STD. PLAN B-30.30.
4. SEE STD. PLAN B-5.20.
5. SEE STD. PLAN I-40.20.
6. SEE SPECIAL PROVISION "FRAME AND VANED GRATE FOR CATCH BASIN."
7. SEE SPECIAL PROVISION "MANHOLE RING AND COVER."

DESIGNED BY	C. MCGOWAN					REGION NO.	STATE
ENTERED BY	C. MCGOWAN					10	WASH
CHECKED BY	K. CORNWELL					JOB NUMBER	
PROJ. ENGR.	A. AMOS					21C509	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY		

FED. AID PROJ. NO.
0166(011)

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

STRUCTURE NOTES - DRAINAGE

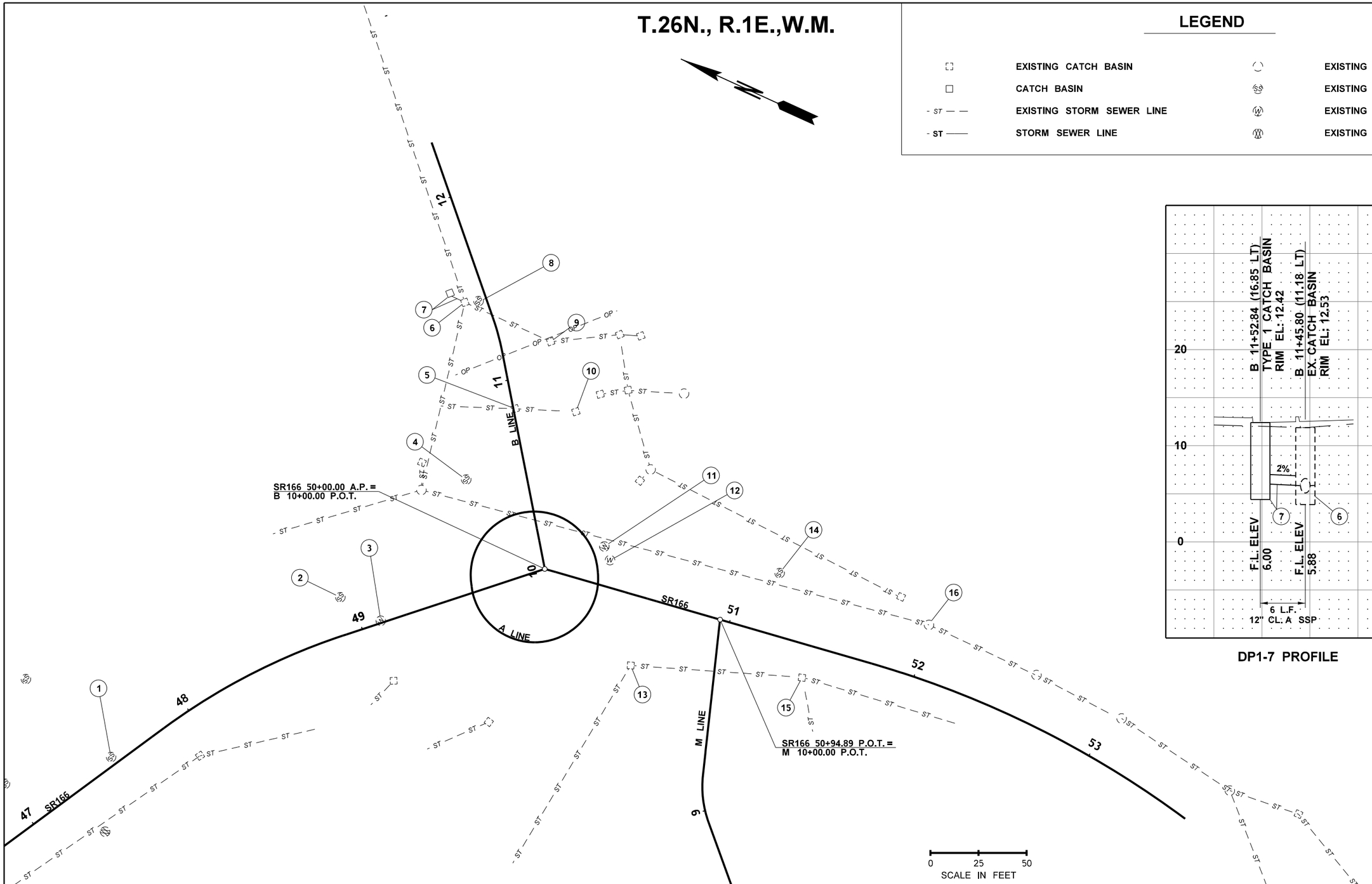
SN 1

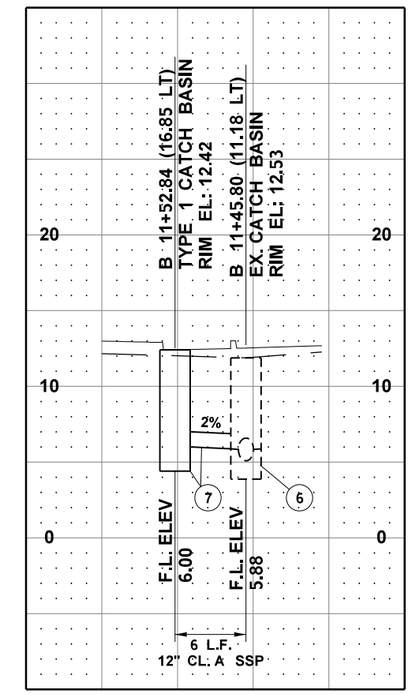
SHEET 23 OF 61 SHEETS

T.26N., R.1E.,W.M.

LEGEND

	EXISTING CATCH BASIN		EXISTING STORM DRAIN MANHOLE
	CATCH BASIN		EXISTING SANITARY SEWER MANHOLE
- ST — —	EXISTING STORM SEWER LINE		EXISTING WATER VALVE
- ST ——	STORM SEWER LINE		EXISTING WATER METER





DP1-7 PROFILE

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DATE	1/19/2023						
PLOTTED BY	charlem				JOB NUMBER		
DESIGNED BY	C. MCGOWAN						
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. AMOS						XL6283
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

STATE OF WASHINGTON — AMELIA AMOS — 38280 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State
Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

DRAINAGE PLAN AND PROFILE

Plot 1
PLAN REF NO
D1

SHEET 24 OF 61 SHEETS

QUANTITY TABULATION - PAVING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	BRIDGE DECK REPAIR BR NO 166/21.25	WATERPROOFING MEMBRANE BR. NO. 166/21.25	CEMENT CONC. PAVEMENT	CORROSION RESISTANT DOWEL BAR	PIGMENTED CEMENT CONCRETE PAVEMENT		PLANING BITUMINOUS PAVEMENT	REMOVING EXISTING OVERLAY FROM BRIDGE DECK #166/21.25	HMA SAWCUT AND SEAL	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONCRETE PEDESTRIAN CURB	ROUNDABOUT TRUCK APRON CEMENT CONC. CURB AND GUTTER	SEE GENERAL NOTES
		S.F.	S.Y.	C.Y.	EACH	C.Y.		S.Y.	S.Y.	L.F.	EACH	L.F.		L.F.	L.F.	L.F.	
P1-1	SR166 47+3 TO 48+62.20							580									
P1-2	SR166 48+62.20 TO 48+86	20	104						104	86							
P1-3	SR166 48+88.14 (LT) TO 49+17.85 (LT)			1		3					1	56					2, 12
P1-4	SR166 49+17.20 (LT) TO SR166 49+42.18 (LT AND RT)					6						64					2, 12
P1-5	SR166 48+99.00 TO 49+20 (LT)													45			1, 4, 5, 11
P1-6	SR166 48+86.20 TO 53+59.70 AND B LINE							2590									
P1-7	SR166 49+33.21 (45.09 LT) TO SR166 49+34.51 (30.54 LT)													16			1, 17
P1-8	SR166 49+34.51 (39.10 LT) TO 49+49.46 (45.82 LT)														17		1, 7, 17
P1-9	SR166 49+34.51 (30.54 LT) TO B 10+71.46 (22.53 LT)														70		1, 4, 17
P1-10	SR166 49+34.44 (29.98 LT) TO B 11+33.62 (12.10 LT)				17	12										144	2, 17
P1-11	B 10+59.90 (36.99 LT) TO 10+86.83 (26.44 LT)			1	11										29		1, 5, 17
P1-12	B 10+76.45 (20.92 LT) TO 11+09.84 (13.22 LT)				2	3									35		1, 4, 17
P1-13	B 11+33.62 (12 LT) TO 11+50.62 (12 LT)													17			1, 17
P1-14	B 11+40.62 (18 LT) TO 11+50.62 (18 LT)														10		1, 17
P1-15	B 11+50.62 (18 LT) TO 12+24.47 (24.04 LT)													78			1, 17
P1-16	B 12+07.63 (18.54 LT) TO 12+24.46 (23.54 LT)														17		1, 7, 17
P1-17	A 0+00 TO 3+11.51				327	106										312	2, 13
P1-18	SR166 48+92.30 (RT) TO 49+19.69 (RT)			1		2											16, 20
P1-19	SR166 48+93.14 (12 RT) TO 49+60.56 (38.25 RT)					7										77	2, 16
P1-20	SR166 49+60.56 (38.25 RT) TO 49+77.18 (48.42 RT)													20			1, 16
P1-21	SR166 49+64.68 (54.74 RT) TO 50+70.53 (41.94 RT)																3, 16
P1-22	SR166 50+17.27 (50.16 RT) TO 50+68.07 (34.15 RT)													54			1, 16
P1-23	SR166 50+61.90 (56.23 RT) TO 50+70.72 42.58 RT)																3, 16
P1-24	SR166 50+68.3 TO 50+70.29 (RT)																16,20
P1-25	SR166 50+48.09 (LT AND RT) TO 50+69.82 (RT)					8						69					2, 15
P1-26	SR166 50+93.84 (LT) TO 51+35.79 (LT AND RT)					11					1	97					2, 15
P1-27	B 10+65.38 (LT AND RT) TO 10+95.01 (RT)			2		5					1	63					2, 14
P1-28	B 10+48.32 (RT) TO 10+67.65 (RT)					6						63					2, 14
P1-29	B 10+61.55 (34.46 RT) TO 10+75.45 (32.63 RT)													14			1, 18
P1-30	B 10+53.21 (44.14 RT) TO 10+76.18 (38.15 RT)														28		1, 5, 18
P1-31	B 10+60.64 (27.09 RT) TO SR166 51+02.99 (19.48 LT)				28	16										126	2, 18
P1-32	B 10+61.55 (34.46 RT) TO SR166 50+85.63 (18.86 LT)														102		1, 4, 18
P1-33	SR166 50+33.55 (57.47 LT) TO 50+64.41 (52.72 LT)																5, 18
P1-34	SR166 51+02.26 (25.44 LT) TO 51+12.18 (26.67 LT)														10		1, 18
P1-35	SR166 51+02.99 (19.48 LT) TO 51+12.92 (20.71 LT)													10			1, 18
	SHEET TOTAL	20	104	5	385	185		3170	104	86	3	412		254	318	659	

GENERAL NOTES:

1. SEE STANDARD PLAN F-10.12.
2. SEE STANDARD PLAN F-10.18.
3. SEE STANDARD PLAN F-10.42.
4. SEE STANDARD PLAN F-30.10.
5. SEE STANDARD PLAN F-40.12.
6. SEE STANDARD PLAN F-40.14.
7. SEE STANDARD PLAN F-40.16.
8. SEE STANDARD PLAN F-45.10.
9. SEE "CURB, SIDEWALK AND RAMP DETAIL (P1-39)," SHEET PD1.
10. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-40)," SHEET PD1.
11. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-5)," SHEET PD1.
12. SEE "SPLITTER ISLANDS DETAIL (P1-3 AND P1-4)," SHEET PD2.
13. SEE "ROUNDABOUT CENTRAL ISLAND DETAIL (P1-17)," SHEET PD2.
14. SEE "SPLITTER ISLANDS DETAIL (P1-27 AND P1-28)," SHEET PD3.
15. SEE "SPLITTER ISLANDS DETAIL (P1-25 AND P1-26)," SHEET PD3.
16. SEE "TRUCK APRON AND HMA WALKWAY DETAIL (P1-18 THRU P1-23)," SHEET PD4.
17. SEE "TRUCK APRON. SIDEWALK, AND RAMPS DETAIL (P1-7 THRU P1-16)," SHEET PD5.
18. SEE "TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-29 THRU P1-38)," SHEET PD6.
19. SEE STD. PLAN F-10.64.
20. SEE STD. PLAN F-45.10. UTILIZE SURFACE-APPLIED DETECTABLE WARNING SURFACE. SEE SPECIAL PROVISION "DETECTABLE WARNING SURFACE."

DESIGNED BY	C. MCGOWAN					REGION NO.	STATE
ENTERED BY	C. MCGOWAN					10	WASH
CHECKED BY	K. CORNWELL					JOB NUMBER	
PROJ. ENGR.	A. AMOS					21C509	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY		

FED. AID PROJ. NO.: 0166(011)

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVING

QTP 1

SHEET 25 OF 61 SHEETS

QUANTITY TABULATION - PAVING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	EXTRUDED CURB	PRECAST DUAL FACED SLOPED MOUNTABLE CURB	CEMENT CONC. SIDEWALK	CEMENT CONC. CURB RAMP TYPE PARALLEL A	CEMENT CONC. CURB RAMP TYPE PARALLEL B		CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION	DETECTABLE WARNING SURFACE									SEE GENERAL NOTES
		L.F.	L.F.	S.Y.	EACH	EACH		EACH	S.F.									
P1-1	SR166 47+3 TO 48+62.20																	
P1-2	SR166 48+62.20 TO 48+86																	
P1-3	SR166 48+88.14 (LT) TO 49+17.85 (LT)																	2, 12
P1-4	SR166 49+17.20 (LT) TO SR166 49+42.18 (LT AND RT)																	2, 12
P1-5	SR166 48+99.00 TO 49+20 (LT)			8	1													1, 4, 5, 11
P1-6	SR166 48+86.20 TO 53+59.70 AND B LINE																	
P1-7	SR166 49+33.21 (45.09 LT) TO SR166 49+34.51 (30.54 LT)																	1, 17
P1-8	SR166 49+34.51 (39.10 LT) TO 49+49.46 (45.82 LT)							1										1, 7, 17
P1-9	SR166 49+34.51 (30.54 LT) TO B 10+71.46 (22.53 LT)			27														1, 4, 17
P1-10	SR166 49+34.44 (29.98 LT) TO B 11+33.62 (12.10 LT)																	2, 17
P1-11	B 10+59.90 (36.99 LT) TO 10+86.83 (26.44 LT)				1													1, 5, 17
P1-12	B 10+76.45 (20.92 LT) TO 11+09.84 (13.22 LT)			98														1, 4, 17
P1-13	B 11+33.62 (12 LT) TO 11+50.62 (12 LT)																	1, 17
P1-14	B 11+40.62 (18 LT) TO 11+50.62 (18 LT)																	1, 17
P1-15	B 11+50.62 (18 LT) TO 12+24.47 (24.04 LT)																	1, 17
P1-16	B 12+07.63 (18.54 LT) TO 12+24.46 (23.54 LT)							1										1, 7, 17
P1-17	A 0+00 TO 3+11.51																	2, 13
P1-18	SR166 48+92.30 (RT) TO 49+19.69 (RT)								13									16, 20
P1-19	SR166 48+93.14 (12 RT) TO 49+60.56 (38.25 RT)																	2, 16
P1-20	SR166 49+60.56 (38.25 RT) TO 49+77.18 (48.42 RT)																	1, 16
P1-21	SR166 49+64.68 (54.74 RT) TO 50+70.53 (41.94 RT)	40																3, 16
P1-22	SR166 50+17.27 (50.16 RT) TO 50+68.07 (34.15 RT)																	1, 16
P1-23	SR166 50+61.90 (56.23 RT) TO 50+70.72 42.58 RT)	22																3, 16
P1-24	SR166 50+68.3 TO 50+70.29 (RT)								14									16,20
P1-25	SR166 50+48.09 (LT AND RT) TO 50+69.82 (RT)																	2, 15
P1-26	SR166 50+93.84 (LT) TO 51+35.79 (LT AND RT)																	2, 15
P1-27	B 10+65.38 (LT AND RT) TO 10+95.01 (RT)																	2, 14
P1-28	B 10+48.32 (RT) TO 10+67.65 (RT)																	2, 14
P1-29	B 10+61.55 (34.46 RT) TO 10+75.45 (32.63 RT)																	1, 18
P1-30	B 10+53.21 (44.14 RT) TO 10+76.18 (38.15 RT)				1													1, 5, 18
P1-31	B 10+60.64 (27.09 RT) TO SR166 51+02.99 (19.48 LT)																	2, 18
P1-32	B 10+61.55 (34.46 RT) TO SR166 50+85.63 (18.86 LT)			142														1, 4, 18
P1-33	SR166 50+33.55 (57.47 LT) TO 50+64.41 (52.72 LT)	32																5, 18
P1-34	SR166 51+02.26 (25.44 LT) TO 51+12.18 (26.67 LT)																	1, 18
P1-35	SR166 51+02.99 (19.48 LT) TO 51+12.92 (20.71 LT)																	1, 18
	SHEET TOTAL	94		275	3			2	27									

GENERAL NOTES:

1. SEE STANDARD PLAN F-10.12.
2. SEE STANDARD PLAN F-10.18.
3. SEE STANDARD PLAN F-10.42.
4. SEE STANDARD PLAN F-30.10.
5. SEE STANDARD PLAN F-40.12.
6. SEE STANDARD PLAN F-40.14.
7. SEE STANDARD PLAN F-40.16.
8. SEE STANDARD PLAN F-45.10.
9. SEE "CURB, SIDEWALK AND RAMP DETAIL (P1-39)," SHEET PD1.
10. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-40)," SHEET PD1.
11. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-5)," SHEET PD1.
12. SEE "SPLITTER ISLANDS DETAIL (P1-3 AND P1-4)," SHEET PD2.
13. SEE "ROUNDABOUT CENTRAL ISLAND DETAIL (P1-17)," SHEET PD2.
14. SEE "SPLITTER ISLANDS DETAIL (P1-27 AND P1-28)," SHEET PD3.
15. SEE "SPLITTER ISLANDS DETAIL (P1-25 AND P1-26)," SHEET PD3.
16. SEE "TRUCK APRON AND HMA WALKWAY DETAIL (P1-18 THRU P1-23)," SHEET PD4.
17. SEE "TRUCK APRON. SIDEWALK, AND RAMPS DETAIL (P1-7 THRU P1-16)," SHEET PD5.
18. SEE "TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-29 THRU P1-38)," SHEET PD6.
19. SEE STD. PLAN F-10.64.
20. SEE STD. PLAN F-45.10. UTILIZE SURFACE-APPLIED DETECTABLE WARNING SURFACE. SEE SPECIAL PROVISION "DETECTABLE WARNING SURFACE."

DESIGNED BY	C. MCGOWAN				
ENTERED BY	C. MCGOWAN				
CHECKED BY	K. CORNWELL				
PROJ. ENGR.	A. AMOS				
REGION ADM.	S. ROARK				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	0166(011)

JOB NUMBER 21C509

CONTRACT NO.

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVING

QTP 2

SHEET 26 OF 61 SHEETS

QUANTITY TABULATION - PAVING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	BRIDGE DECK REPAIR BR NO 166/21.25	WATERPROOFING MEMBRANE BR. NO. 166/21.25	CEMENT CONC. PAVEMENT	CORROSION RESISTANT DOWEL BAR	PIGMENTED CEMENT CONCRETE PAVEMENT		PLANING BITUMINOUS PAVEMENT	REMOVING EXISTING OVERLAY FROM BRIDGE DECK #166/21.25	HMA SAWCUT AND SEAL	ROUNDABOUT SPLITTER ISLAND NOSING CURB	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER		CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONCRETE PEDESTRIAN CURB	ROUNDABOUT TRUCK APRON CEMENT CONC. CURB AND GUTTER	SEE GENERAL NOTES
		S.F.	S.Y.	C.Y.	EACH	C.Y.		S.Y.	S.Y.	L.F.	EACH	L.F.		L.F.	L.F.	L.F.	
P1-36	SR166 51+12.18 (26.67 LT) TO 51+78.36 (29.42 LT)													67			1
P1-37	SR166 51+66.91 (35.33 LT) TO 51+78.51 (34.96 LT)													3	12		1, 18
P1-38	SR166 51+34.18 (10.51 LT) TO 51+73.05 (11.08 LT)																18, 19
P1-39	SR166 39+15.95 (23.93 LT) TO 39+35.67 (23.63 LT)													20	20		1, 5, 9
P1-40	SR166 39+10.67 (37.69 RT) TO 39+35.95 (22.59 RT)													31	20		1, 5, 10
	SHEET TOTAL													121	52		
	PROJECT TOTAL	20	104	5	385	185		3170	104	86	3	412		375	370	659	

GENERAL NOTES:

1. SEE STANDARD PLAN F-10.12.
2. SEE STANDARD PLAN F-10.18.
3. SEE STANDARD PLAN F-10.42.
4. SEE STANDARD PLAN F-30.10.
5. SEE STANDARD PLAN F-40.12.
6. SEE STANDARD PLAN F-40.14.
7. SEE STANDARD PLAN F-40.16.
8. SEE STANDARD PLAN F-45.10.
9. SEE "CURB, SIDEWALK AND RAMP DETAIL (P1-39)," SHEET PD1.
10. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-40)," SHEET PD1.
11. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-5)," SHEET PD1.
12. SEE "SPLITTER ISLANDS DETAIL (P1-3 AND P1-4)," SHEET PD2.
13. SEE "ROUNDABOUT CENTRAL ISLAND DETAIL (P1-17)," SHEET PD2.
14. SEE "SPLITTER ISLANDS DETAIL (P1-27 AND P1-28)," SHEET PD3.
15. SEE "SPLITTER ISLANDS DETAIL (P1-25 AND P1-26)," SHEET PD3.
16. SEE "TRUCK APRON AND HMA WALKWAY DETAIL (P1-18 THRU P1-23)," SHEET PD4.
17. SEE "TRUCK APRON. SIDEWALK, AND RAMPS DETAIL (P1-7 THRU P1-16)," SHEET PD5.
18. SEE "TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-29 THRU P1-38)," SHEET PD6.
19. SEE STD. PLAN F-10.64.
20. SEE STD. PLAN F-45.10. UTILIZE SURFACE-APPLIED DETECTABLE WARNING SURFACE. SEE SPECIAL PROVISION "DETECTABLE WARNING SURFACE."

DESIGNED BY	C. MCGOWAN					REGION NO.	STATE
ENTERED BY	C. MCGOWAN					10	WASH
CHECKED BY	K. CORNWELL					JOB NUMBER	
PROJ. ENGR.	A. AMOS					21C509	
REGION ADM.	S. ROARK					CONTRACT NO.	
		DATE	DATE	REVISION	BY		

FED. AID PROJ. NO.
0166(011)

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVING

QTP 3

SHEET 27 OF 61 SHEETS

QUANTITY TABULATION - PAVING

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

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

CODE	LOCATION ↓ \ UNIT OF MEASURE →	EXTRUDED CURB	PRECAST DUAL FACED SLOPED MOUNTABLE CURB	CEMENT CONC. SIDEWALK	CEMENT CONC. CURB RAMP TYPE PARALLEL A	CEMENT CONC. CURB RAMP TYPE PARALLEL B		CEMENT CONC. CURB RAMP TYPE SINGLE DIRECTION	DETECTABLE WARNING SURFACE								SEE GENERAL NOTES
		L.F.	L.F.	S.Y.	EACH	EACH		EACH	S.F.								
P1-36	SR166 51+12.18 (26.67 LT) TO 51+78.36 (29.42 LT)																1
P1-37	SR166 51+66.91 (35.33 LT) TO 51+78.51 (34.96 LT)							1									1, 18
P1-38	SR166 51+34.18 (10.51 LT) TO 51+73.05 (11.08 LT)		39														18, 19
P1-39	SR166 39+15.95 (23.93 LT) TO 39+35.67 (23.63 LT)				1												1, 5, 9
P1-40	SR166 39+10.67 (37.69 RT) TO 39+35.95 (22.59 RT)					1											1, 5, 10
	SHEET TOTAL		39		1	1		1									
	PROJECT TOTAL	94	39	275	4	1		3	27								

GENERAL NOTES:

1. SEE STANDARD PLAN F-10.12.
2. SEE STANDARD PLAN F-10.18.
3. SEE STANDARD PLAN F-10.42.
4. SEE STANDARD PLAN F-30.10.
5. SEE STANDARD PLAN F-40.12.
6. SEE STANDARD PLAN F-40.14.
7. SEE STANDARD PLAN F-40.16.
8. SEE STANDARD PLAN F-45.10.
9. SEE "CURB, SIDEWALK AND RAMP DETAIL (P1-39)," SHEET PD1.
10. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-40)," SHEET PD1.
11. SEE "CURB, SIDEWALK, AND RAMP DETAIL (P1-5)," SHEET PD1.
12. SEE "SPLITTER ISLANDS DETAIL (P1-3 AND P1-4)," SHEET PD2.
13. SEE "ROUNDABOUT CENTRAL ISLAND DETAIL (P1-17)," SHEET PD2.
14. SEE "SPLITTER ISLANDS DETAIL (P1-27 AND P1-28)," SHEET PD3.
15. SEE "SPLITTER ISLANDS DETAIL (P1-25 AND P1-26)," SHEET PD3.
16. SEE "TRUCK APRON AND HMA WALKWAY DETAIL (P1-18 THRU P1-23)," SHEET PD4.
17. SEE "TRUCK APRON. SIDEWALK, AND RAMPS DETAIL (P1-7 THRU P1-16)," SHEET PD5.
18. SEE "TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-29 THRU P1-38)," SHEET PD6.
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DESIGNED BY	C. MCGOWAN				
ENTERED BY	C. MCGOWAN				
CHECKED BY	K. CORNWELL				
PROJ. ENGR.	A. AMOS				
REGION ADM.	S. ROARK				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	0166(011)
JOB NUMBER		
21C509		
CONTRACT NO.		

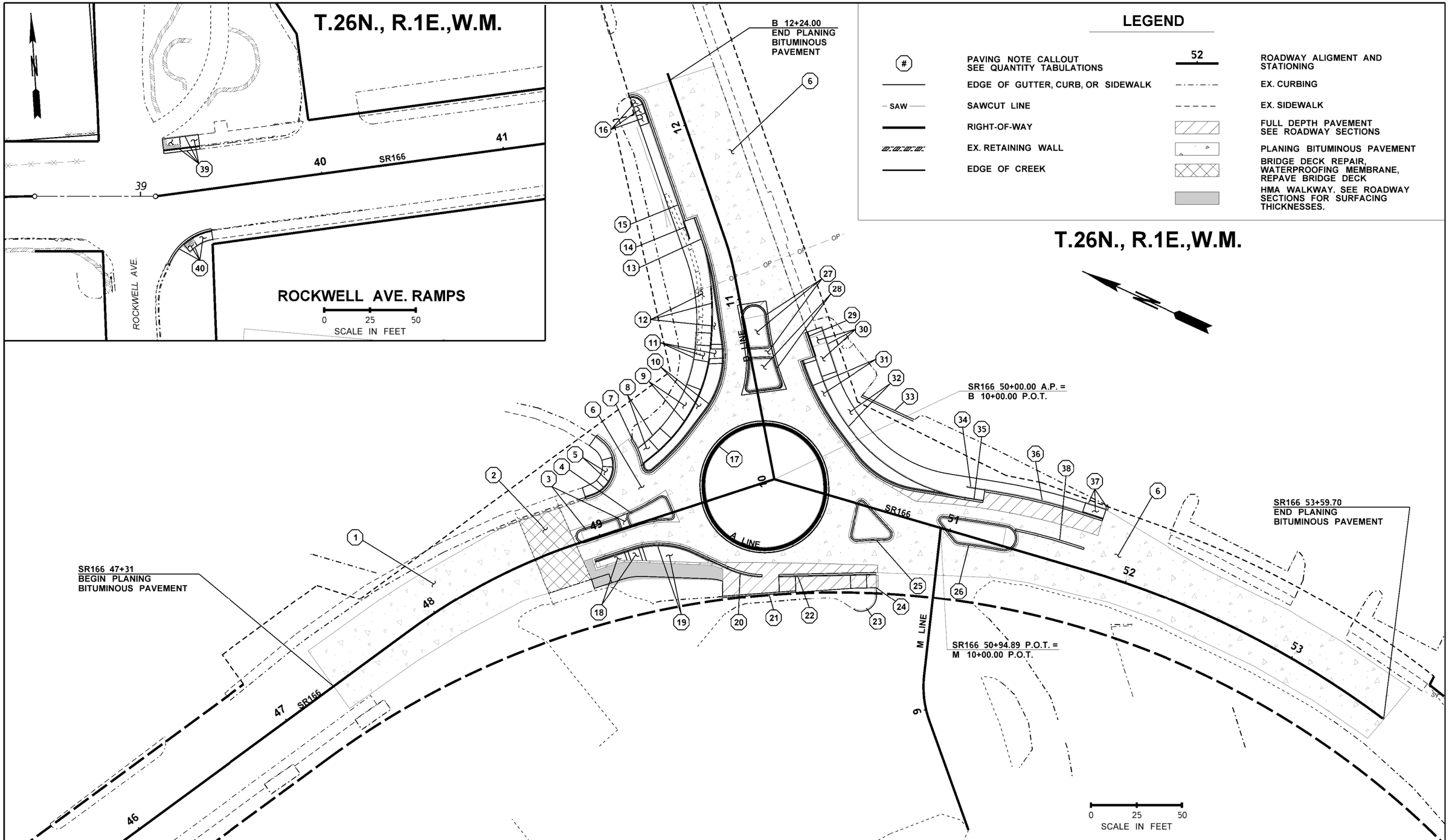
Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVING

QTP 4

SHEET 28 OF 61 SHEETS



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DATE	1/19/2023				JOB NUMBER		
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO. XL6283
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX — SEE SHEET CT1 — DATE

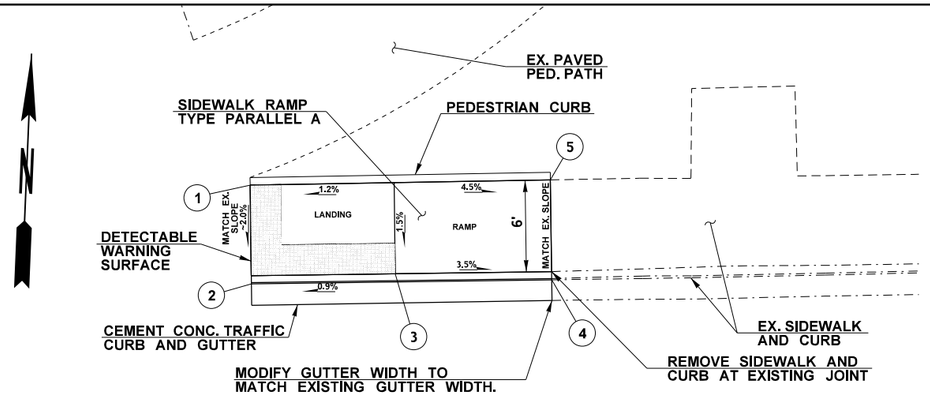
P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING PLAN

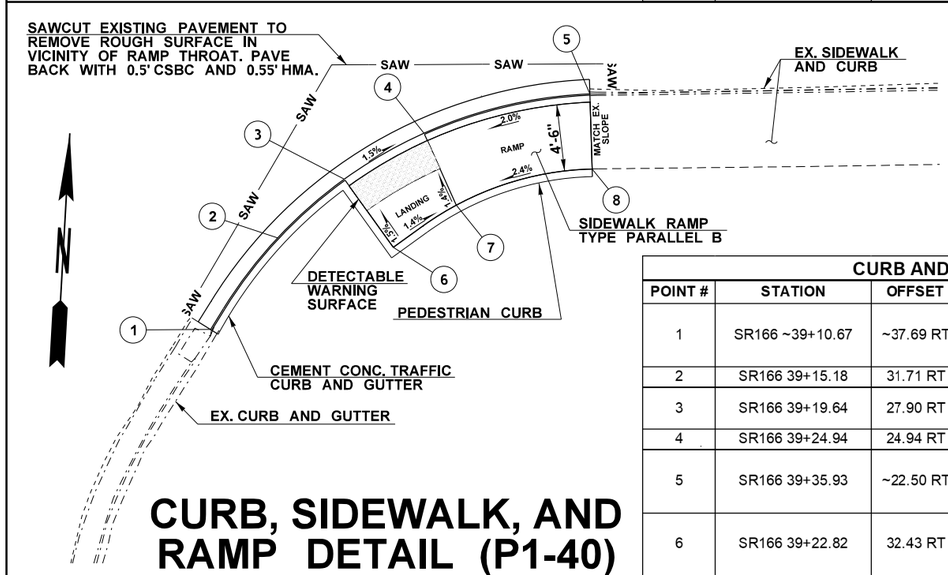
Plot 1
PLAN REF NO P1
SHEET 29 OF 61 SHEETS



CURB, SIDEWALK, AND RAMP DETAIL (P1-39)

0 5 10
SCALE IN FEET

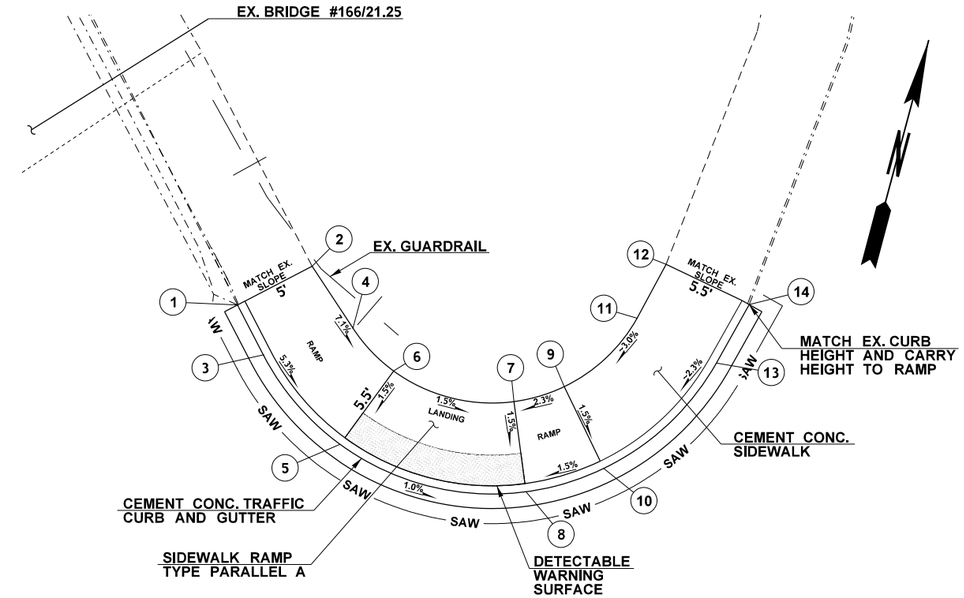
CURB AND SIDEWALK POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 39+15.95	30.45 LT	MATCH EX.	BEGIN CEMENT CONC. CURB RAMP BEGIN PEDESTRIAN CURB
2	SR166 39+15.86	23.93 LT	MATCH EX.	FACE OF CURB P.O.T. BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER; CURB HEIGHT = 0"
3	SR166 39+25.36	23.79 LT	18.65	FACE OF CURB P.O.T. END RAMP LANDING
4	SR166 39+35.67	23.63 LT	MATCH EX.	FACE OF CURB P.O.T. MATCH EXISTING CURB
5	SR166 39+35.78	30.23 LT	MATCH EX.	END CEMENT CONC. CURB RAMP END PEDESTRIAN CURB



CURB, SIDEWALK, AND RAMP DETAIL (P1-40)

0 5 10
SCALE IN FEET

CURB AND SIDEWALK POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 ~39+10.67	~37.69 RT	MATCH EX.	FACE OF CURB P.C. BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
2	SR166 39+15.18	31.71 RT	19.73	FACE OF CURB P.O.C.
3	SR166 39+19.64	27.90 RT	19.25	FACE OF CURB P.O.C. BEGIN PEDESTRIAN CURB
4	SR166 39+24.94	24.94 RT	19.16	FACE OF CURB P.O.C.
5	SR166 39+35.93	~22.50 RT	MATCH EX.	FACE OF CURB P.T. END CEMENT CONC. TRAFFIC CURB AND GUTTER
6	SR166 39+22.82	32.43 RT	19.31	BACK OF SIDEWALK RAMP P.C. BEGIN SIDEWALK CURB RAMP TYPE PARALLEL B
7	SR166 39+27.00	29.72 RT	29.72 RT	END RAMP LANDING BEGIN RAMP UP
8	SR166 39+35.78	30.23 LT	MATCH EX.	END CEMENT CONC. CURB RAMP END PEDESTRIAN CURB



CURB, SIDEWALK AND RAMP DETAIL (P1-5)

0 5 10
SCALE IN FEET

CURB AND SIDEWALK POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 48+99.00	22.55 LT	MATCH EX.	FACE OF CURB P.O.T. MATCH EX. BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
2	SR166 48+99.00	28.10 LT	MATCH EX.	MATCH BACK OF EXISTING SIDEWALK.
3	SR166 49+02.75	22.52 LT	14.23	FACE OF CURB P.C.
4	SR166 49+03.96	28.57 LT	IN RAMP	BACK OF SIDEWALK P.C.
5	SR166 49+10.33	24.23 LT	14.07	CURB FACE P.O.C. CURB HEIGHT = 0".
6	SR166 49+07.71	29.62 LT	14.15	BACK OF SIDEWALK P.O.C.
7	SR166 49+13.21	35.70 LT	14.02	BACK OF SIDEWALK P.O.C.
8	SR166 49+18.84	33.62 LT	13.94	FACE OF CURB P.O.C. CURB HEIGHT = 0"; BEGING RAMP UP.
9	SR166 49+13.89	39.10 LT	14.10	BACK OF SIDEWALK P.O.C.
10	SR166 49+19.88	38.87 LT	13.72	FACE OF CURB P.O.C. CURB HEIGHT = 0.3'. MAINTAIN CURB HEIGHT TO MATCH EXISTING.
11	SR166 49+12.15	45.46 LT	13.85	BACK OF SIDEWALK P.T.
12	SR166 49+17.20	48.70 LT	13.44	FACE OF CURB P.T.
13	SR166 49+09.90	48.80 LT	MATCH EX.	BACK OF SIDEWALK; MATCH EX.
14	SR166 49+14.81	52.42 LT	MATCH EX.	FACE OF CURB P.O.T. MATCH EX.

FILE NAME	c:\users\charlem\pw_wsdot\d0462107\XL6283_PS_PD.dgn
TIME	5:08:31 PM
DATE	1/19/2023
PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.		LOCATION NO. XL6283

SEE SHEET CT1
DATE
P.E. STAMP BOX

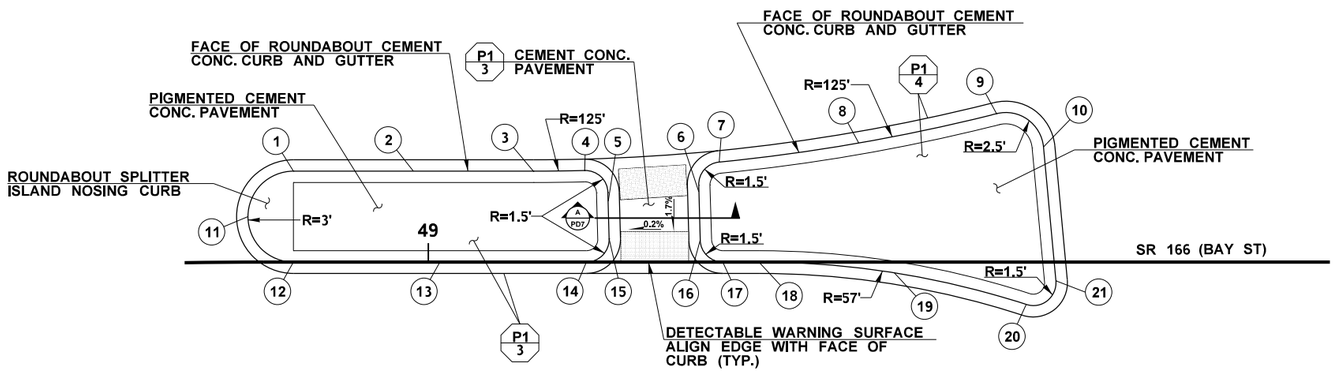
DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

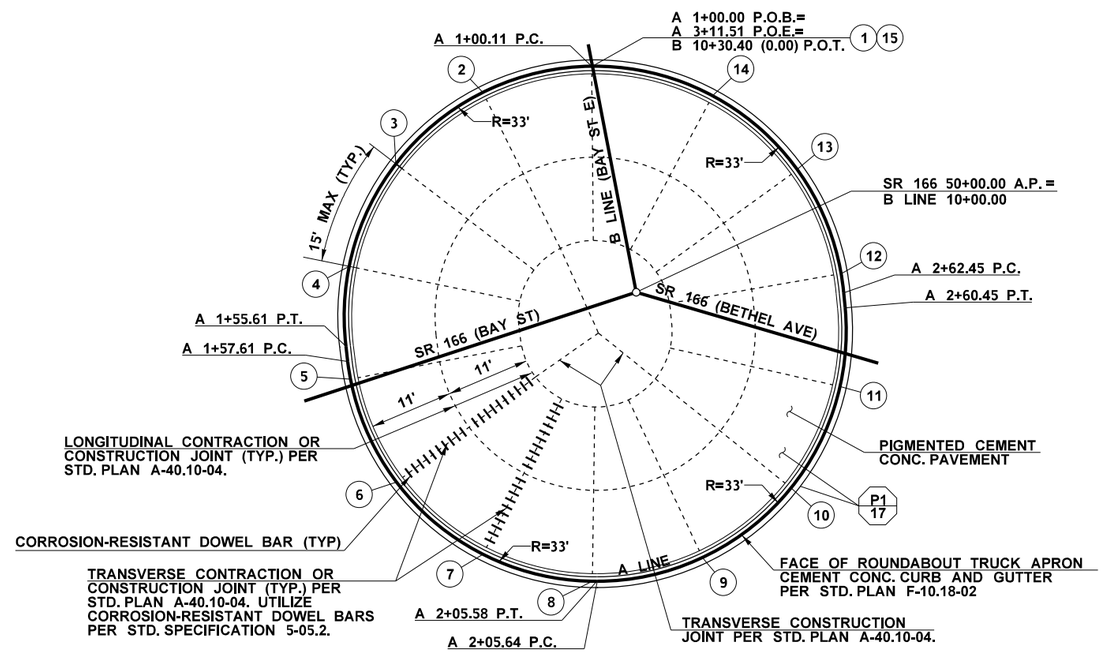
Plot 1
PLAN REF NO PD1
SHEET 30 OF 61 SHEETS



SPLITTER ISLANDS DETAIL (P1-3 AND P1-4)

0 5 10
SCALE IN FEET

TRAFFIC ISLAND AND CURB POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 48+91.12	6.00 LT	13.89	FACE OF CURB P.C.
2	SR166 48+99.02	6.00 LT	13.87	FACE OF CURB P.O.T.
3	SR166 49+06.95	6.00 LT	13.85	FACE OF CURB P.C.
4	SR166 49+10.32	6.05 LT	13.85	FACE OF CURB P.T./P.C.
5	SR166 49+11.86	4.59 LT	13.82	FACE OF CURB P.T.
6	SR166 49+17.85	5.07 LT	13.83	FACE OF CURB P.C.
7	SR166 49+19.21	6.60 LT	13.86	FACE OF CURB P.T.
8	SR166 49+28.42	7.86 LT	13.88	FACE OF CURB P.O.C.
9	SR166 49+37.51	9.79 LT	13.92	FACE OF CURB P.T./P.C.
10	SR166 49+40.61	7.60 LT	13.91	FACE OF CURB P.T.
11	SR166 48+88.14	3.03 LT	13.77	FACE OF CURB P.O.C.
12	SR166 48+91.10	0.00	13.64	FACE OF CURB P.T.
13	SR166 49+00.77	0.00	13.65	FACE OF CURB P.O.T.
14	SR166 49+10.45	0.00	13.68	FACE OF CURB P.C.
15	SR166 49+11.95	1.54 LT	13.76	FACE OF CURB P.T.
16	SR166 49+17.95	1.46 LT	13.77	FACE OF CURB P.C.
17	SR166 49+19.45	0.00	13.71	FACE OF CURB P.T.
18	SR166 49+21.83	0.00	13.74	FACE OF CURB P.C.
19	SR166 49+30.77	0.70 RT	13.74	FACE OF CURB P.O.C.
20	SR166 49+39.48	2.80 RT	13.74	FACE OF CURB P.T./P.C.
21	SR166 49+41.44	1.23 RT	13.81	FACE OF CURB P.T.



ROUNDABOUT CENTRAL ISLAND DETAIL (P1-17)

0 10 20
SCALE IN FEET

ROUNDABOUT CENTRAL ISLAND CURB POINTS							
POINT #	STATION	FACE OF CURB			INNER CIRCLE		
		OFFSET	ELEV.	DESC.	OFFSET	ELEV.	DESC.
1	A 0+00.00	0	13.94	P.O.C.	23.00 LT	14.63	P.O.C.
2	A 1+15.00	0	13.97	P.O.C.	23.00 LT	14.64	P.O.C.
3	A 1+30.00	0	14.06	P.O.C.	23.00 LT	14.66	P.O.C.
4	A 1+45.00	0	14.16	P.O.C.	23.00 LT	14.66	P.O.C.
5	A 1+60.00	0	14.03	P.O.C.	23.00 LT	14.48	P.O.C.
6	A 1+75.00	0	13.63	P.O.C.	23.00 LT	14.26	P.O.C.
7	A 1+90.00	0	13.34	P.O.C.	23.00 LT	14.11	P.O.C.
8	A 2+05.00	0	13.26	P.O.C.	23.00 LT	14.06	P.O.C.
9	A 2+20.00	0	13.36	P.O.C.	23.00 LT	14.12	P.O.C.
10	A 2+35.00	0	13.73	P.O.C.	23.00 LT	14.27	P.O.C.
11	A 2+50.00	0	14.16	P.O.C.	23.00 LT	14.50	P.O.C.
12	A 2+65.00	0	14.26	P.O.C.	23.00 LT	14.66	P.O.C.
13	A 2+80.00	0	14.10	P.O.C.	23.00 LT	14.66	P.O.C.
14	A 2+95.00	0	13.98	P.O.C.	23.00 LT	14.64	P.O.C.
15	A 3+11.51	0	13.94	P.O.C.	23.00 LT	14.63	P.O.C.

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DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	C. MCGOWAN						XL6283
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
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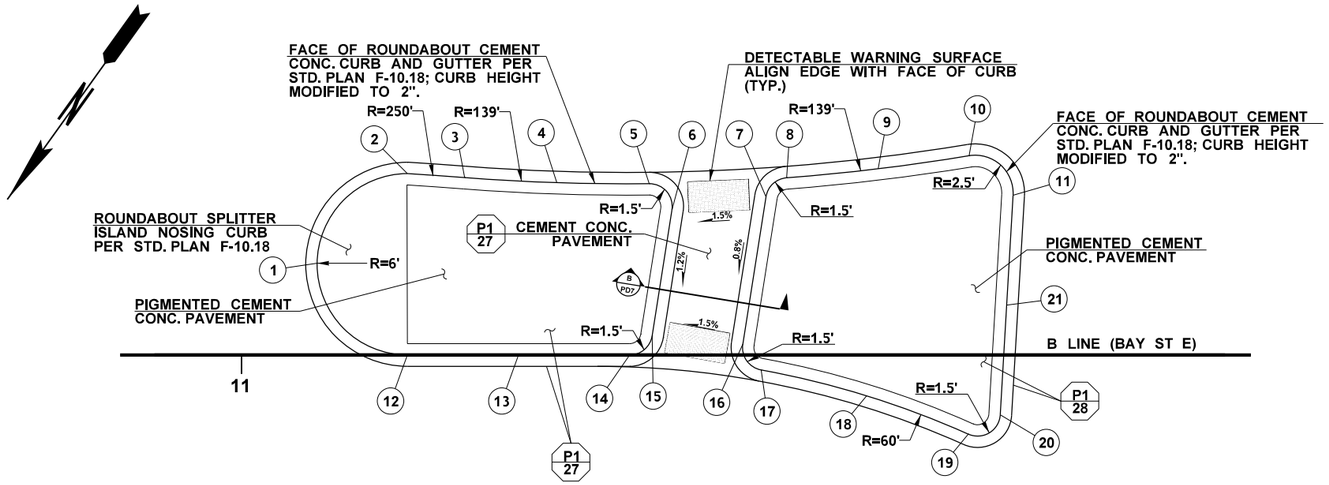
INTERSECTION - ROUNDABOUT

PAVING DETAILS

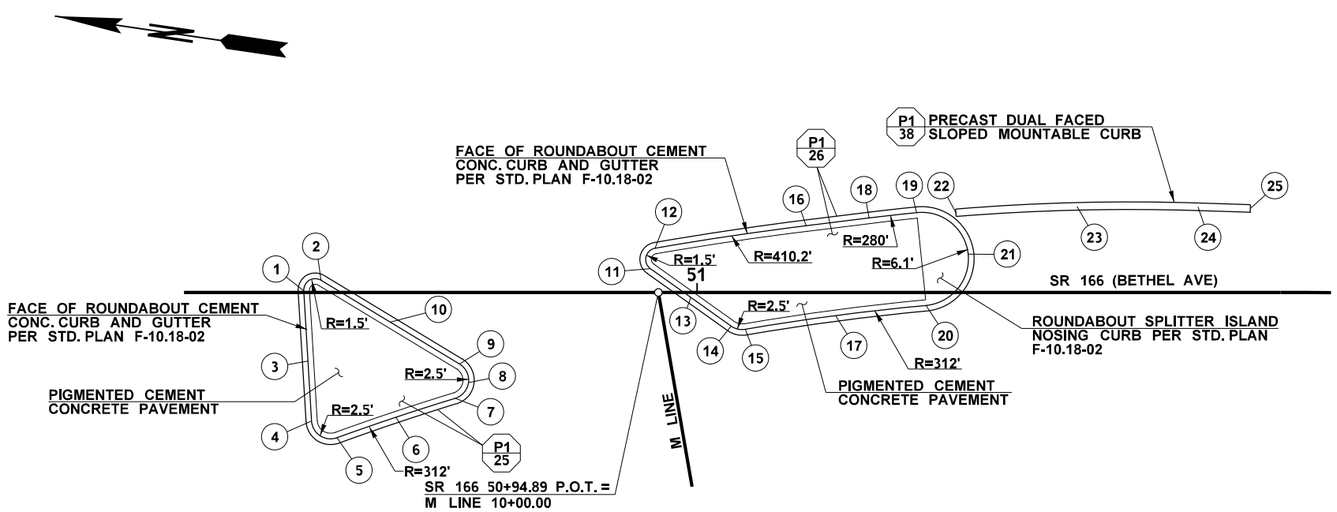
Plot 2
PLAN REF NO
PD2
SHEET 31 OF 61 SHEETS



SPLITTER ISLANDS DETAIL (P1-27 AND P1-28)

0 5 10
SCALE IN FEET

TRAFFIC ISLAND AND CURB POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	B 10+95.01	5.99 RT	13.06	FACE OF CURB P.O.C.
2	B 10+89.06	11.97 RT	13.17	FACE OF CURB P.T./P.C.
3	B 10+85.28	11.71 RT	13.20	FACE OF CURB P.T./P.C.
4	B 10+79.19	11.37 RT	13.24	FACE OF CURB P.O.C.
5	B 10+73.09	11.31 RT	13.28	FACE OF CURB P.T./P.C.
6	B 10+71.59	9.57 RT	13.34	FACE OF CURB P.T.
7	B 10+65.38	10.44 RT	13.38	FACE OF CURB P.C.
8	B 10+64.01	11.70 RT	13.35	FACE OF CURB P.T./P.C.
9	B 10+57.98	12.29 RT	13.42	FACE OF CURB P.O.C.
10	B 10+51.98	13.15 RT	13.49	FACE OF CURB P.T./P.C.
11	B 10+49.07	10.54 RT	13.57	FACE OF CURB P.C.
12	B 10+89.06	0.00	13.00	FACE OF CURB P.C.
13	B 10+81.72	0.00	13.07	FACE OF CURB P.O.T.
14	B 10+74.38	0.00	13.17	FACE OF CURB P.C.
15	B 10+72.90	1.27 RT	13.24	FACE OF CURB P.T.
16	B 10+66.91	0.73 RT	13.31	FACE OF CURB P.C.
17	B 10+65.70	0.98 LT	13.31	FACE OF CURB P.T./P.C.
18	B 10+58.74	2.69 LT	13.42	FACE OF CURB P.O.C.
19	B 10+52.03	5.22 LT	13.53	FACE OF CURB P.T./P.C.
20	B 10+49.92	3.94 LT	13.61	FACE OF CURB P.T.
21	B 10+49.50	3.30 RT	13.59	FACE OF CURB P.T.



SPLITTER ISLANDS DETAIL (P1-25 AND P1-26)

0 10 20
SCALE IN FEET

TRAFFIC ISLAND CURB POINTS				
POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 50+48.09	0.22 LT	14.09	FACE OF CURB P.C.
2	SR166 50+50.36	1.59 LT	14.11	FACE OF CURB P.T.
3	SR166 50+48.64	9.06 RT	13.88	FACE OF CURB P.O.T.
4	SR166 50+49.12	16.99 RT	13.52	FACE OF CURB P.C.
5	SR166 50+52.47	19.19 RT	13.40	FACE OF CURB P.T./P.C.
6	SR166 50+60.23	16.48 RT	13.48	FACE OF CURB P.O.C.
7	SR166 50+68.07	13.98 RT	13.56	FACE OF CURB P.T
8	SR166 50+69.82	11.89 RT	13.64	FACE OF CURB P.O.C.
9	SR166 50+68.63	9.44 RT	13.74	FACE OF CURB P.C.
10	SR166 50+59.49	3.93 RT	13.99	FACE OF CURB P.O.T.
11	SR166 50+93.84	3.14 LT	14.28	FACE OF CURB P.C.
12	SR166 50+94.45	5.84 LT	14.35	FACE OF CURB P.T./P.C.
13	SR166 50+99.17	0.65 RT	14.15	FACE OF CURB P.O.T.
14	SR166 51+04.50	4.45 RT	14.00	FACE OF CURB P.C.
15	SR166 51+06.37	4.88 RT	13.99	FACE OF CURB P.T.
16	SR166 51+14.39	8.80 LT	14.56	FACE OF CURB P.T.
17	SR166 51+18.28	3.07 RT	14.15	FACE OF CURB P.O.C.
18	SR166 51+22.72	9.83 LT	14.69	FACE OF CURB P.C.
19	SR166 51+28.98	10.53 LT	14.79	FACE OF CURB P.T./P.C.
20	SR166 51+30.25	1.72 RT	14.29	FACE OF CURB P.T.
21	SR166 51+35.79	5.05 LT	14.70	FACE OF CURB P.O.C.
22	SR166 51+34.18	10.51 LT	14.86	CENTER OF DUAL-FACED CURB, P.C.
23	SR166 51+50.15	11.36 LT	15.12	CENTER OF DUAL-FACED CURB, P.O.C.
24	SR166 51+66.14	11.30 LT	15.37	CENTER OF DUAL-FACED CURB, P.T.
25	SR166 51+73.02	11.08 LT	15.47	CENTER OF DUAL-FACED CURB, P.O.T.

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DESIGNED BY	C. MCGOWAN				CONTRACT NO.	LOCATION NO. XL6283	
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

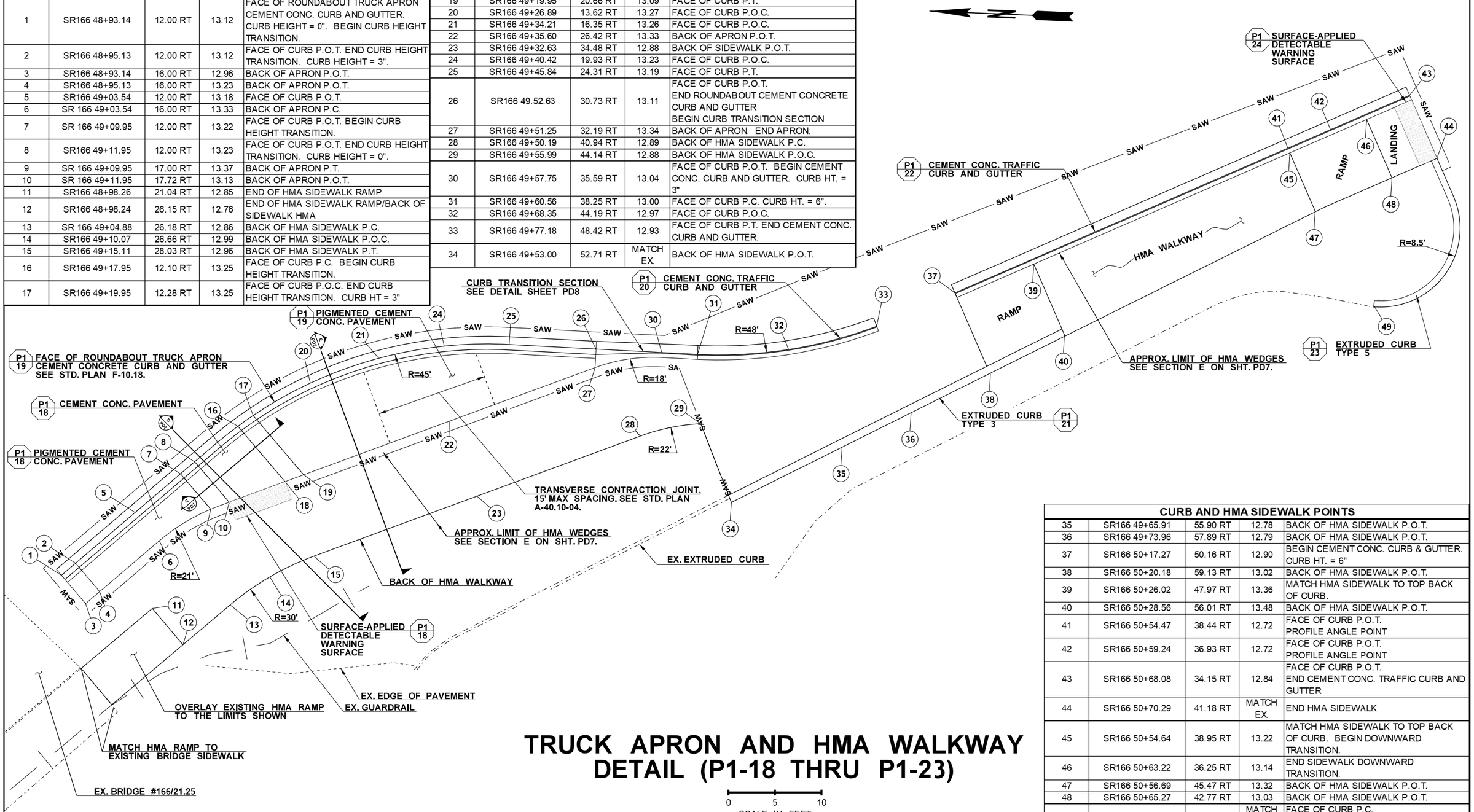
Plot 3
PLAN REF NO PD3
SHEET 32 OF 61 SHEETS

CURB AND HMA SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 48+93.14	12.00 RT	13.12	FACE OF ROUNDABOUT TRUCK APRON CEMENT CONC. CURB AND GUTTER. CURB HEIGHT = 0". BEGIN CURB HEIGHT TRANSITION.
2	SR166 48+95.13	12.00 RT	13.12	FACE OF CURB P.O.T. END CURB HEIGHT TRANSITION. CURB HEIGHT = 3".
3	SR166 48+93.14	16.00 RT	12.96	BACK OF APRON P.O.T.
4	SR166 48+95.13	16.00 RT	13.23	BACK OF APRON P.O.T.
5	SR166 49+03.54	12.00 RT	13.18	FACE OF CURB P.O.T.
6	SR 166 49+03.54	16.00 RT	13.33	BACK OF APRON P.C.
7	SR 166 49+09.95	12.00 RT	13.22	FACE OF CURB P.O.T. BEGIN CURB HEIGHT TRANSITION.
8	SR166 49+11.95	12.00 RT	13.23	FACE OF CURB P.O.T. END CURB HEIGHT TRANSITION. CURB HEIGHT = 0".
9	SR 166 49+09.95	17.00 RT	13.37	BACK OF APRON P.T.
10	SR 166 49+11.95	17.72 RT	13.13	BACK OF APRON P.O.T.
11	SR166 48+98.26	21.04 RT	12.85	END OF HMA SIDEWALK RAMP
12	SR166 48+98.24	26.15 RT	12.76	END OF HMA SIDEWALK RAMP/BACK OF SIDEWALK HMA
13	SR 166 49+04.88	26.18 RT	12.86	BACK OF HMA SIDEWALK P.C.
14	SR166 49+10.07	26.66 RT	12.99	BACK OF HMA SIDEWALK P.O.C.
15	SR166 49+15.11	28.03 RT	12.96	BACK OF HMA SIDEWALK P.T.
16	SR166 49+17.95	12.10 RT	13.25	FACE OF CURB P.C. BEGIN CURB HEIGHT TRANSITION.
17	SR166 49+19.95	12.28 RT	13.25	FACE OF CURB P.O.C. END CURB HEIGHT TRANSITION. CURB HT = 3"

CURB AND HMA SIDEWALK POINTS

18	SR166 49+17.95	19.92 RT	13.11	BACK OF APRON P.O.T.
19	SR166 49+19.95	20.66 RT	13.09	FACE OF CURB P.T.
20	SR166 49+26.89	13.62 RT	13.27	FACE OF CURB P.O.C.
21	SR166 49+34.21	16.35 RT	13.26	FACE OF CURB P.O.C.
22	SR166 49+35.60	26.42 RT	13.33	BACK OF APRON P.O.T.
23	SR166 49+32.63	34.48 RT	12.88	BACK OF SIDEWALK P.O.T.
24	SR166 49+40.42	19.93 RT	13.23	FACE OF CURB P.O.C.
25	SR166 49+45.84	24.31 RT	13.19	FACE OF CURB P.T.
26	SR166 49.52.63	30.73 RT	13.11	FACE OF CURB P.O.T. END ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER BEGIN CURB TRANSITION SECTION
27	SR166 49+51.25	32.19 RT	13.34	BACK OF APRON. END APRON.
28	SR166 49+50.19	40.94 RT	12.89	BACK OF HMA SIDEWALK P.C.
29	SR166 49+55.99	44.14 RT	12.88	BACK OF HMA SIDEWALK P.O.C.
30	SR166 49+57.75	35.59 RT	13.04	FACE OF CURB P.O.T. BEGIN CEMENT CONC. CURB AND GUTTER. CURB HT. = 3"
31	SR166 49+60.56	38.25 RT	13.00	FACE OF CURB P.C. CURB HT. = 6".
32	SR166 49+68.35	44.19 RT	12.97	FACE OF CURB P.O.C.
33	SR166 49+77.18	48.42 RT	12.93	FACE OF CURB P.T. END CEMENT CONC. CURB AND GUTTER.
34	SR166 49+53.00	52.71 RT	MATCH EX.	BACK OF HMA SIDEWALK P.O.T.



TRUCK APRON AND HMA WALKWAY DETAIL (P1-18 THRU P1-23)

0 5 10
SCALE IN FEET

CURB AND HMA SIDEWALK POINTS

35	SR166 49+65.91	55.90 RT	12.78	BACK OF HMA SIDEWALK P.O.T.
36	SR166 49+73.96	57.89 RT	12.79	BACK OF HMA SIDEWALK P.O.T.
37	SR166 50+17.27	50.16 RT	12.90	BEGIN CEMENT CONC. CURB & GUTTER. CURB HT. = 6"
38	SR166 50+20.18	59.13 RT	13.02	BACK OF HMA SIDEWALK P.O.T.
39	SR166 50+26.02	47.97 RT	13.36	MATCH HMA SIDEWALK TO TOP BACK OF CURB.
40	SR166 50+28.56	56.01 RT	13.48	BACK OF HMA SIDEWALK P.O.T.
41	SR166 50+54.47	38.44 RT	12.72	FACE OF CURB P.O.T. PROFILE ANGLE POINT
42	SR166 50+59.24	36.93 RT	12.72	FACE OF CURB P.O.T. PROFILE ANGLE POINT
43	SR166 50+68.08	34.15 RT	12.84	FACE OF CURB P.O.T. END CEMENT CONC. TRAFFIC CURB AND GUTTER
44	SR166 50+70.29	41.18 RT	MATCH EX.	END HMA SIDEWALK
45	SR166 50+54.64	38.95 RT	13.22	MATCH HMA SIDEWALK TO TOP BACK OF CURB. BEGIN DOWNWARD TRANSITION.
46	SR166 50+63.22	36.25 RT	13.14	END SIDEWALK DOWNWARD TRANSITION.
47	SR166 50+56.69	45.47 RT	13.32	BACK OF HMA SIDEWALK P.O.T.
48	SR166 50+65.27	42.77 RT	13.03	BACK OF HMA SIDEWALK P.O.T.
49	SR166 50+61.90	56.23 RT	MATCH EX.	FACE OF CURB P.C. BEGIN EXTRUDED CURB TYPE 6

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DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

SEE SHEET CT1
DATE
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DATE
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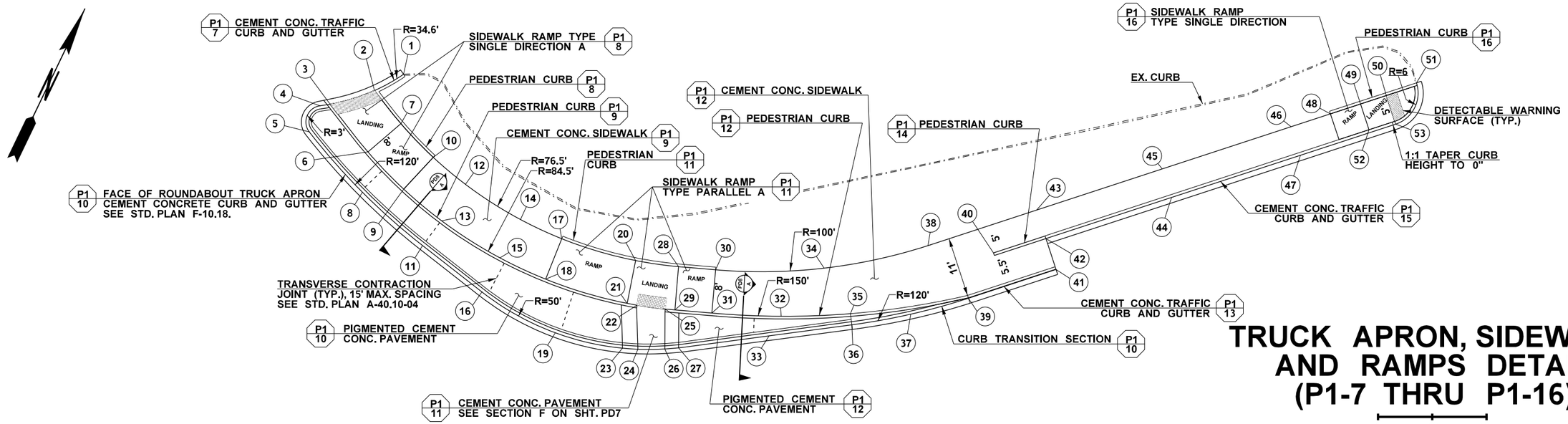
PAVING DETAILS

Plot 4
PLAN REF NO PD4
SHEET 33 OF 61 SHEETS



TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-7 THRU P1-16)

0 10 20
SCALE IN FEET

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	SR166 49+33.21	45.09 LT	MATCH EX.	FACE OF CURB P.C. BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
2	SR166 49+34.51	39.10 LT	13.73	FACE OF CURB P.O.C. BEGIN PEDESTRIAN CURB
3	SR166 49+34.51	30.54 LT	13.86	FACE OF CURB P.O.C. END CEMENT CONC. TRAFFIC CURB AND GUTTER BEGIN PEDESTRIAN CURB BEGIN ROUNDABOUT TRUCK APRON CURB AND GUTTER
4	SR166 49+34.22	28.64 LT	13.89	FACE OF TRUCK APRON CURB P.T./P.C.
5	SR166 49+38.25	25.36 LT	13.99	FACE OF TRUCK APRON CURB P.T./P.C.
6	SR166 49+44.96	34.62 LT	13.90	SIDEWALK RAMP FACE VERT. A.P.
7	SR166 49+41.78	41.95 LT	13.79	SIDEWALK RAMP FACE VERT. A.P.
8	SR166 49+51.75	31.44 LT	13.97	FACE OF TRUCK APRON CURB P.O.C.
9	SR166 49+53.45	38.89 LT	14.60	TOP BACK OF PEDESTRIAN CURB/ FACE OF SIDEWALK END SIDEWALK RAMP
10	SR166 49+49.46	45.81 LT	14.48	BACK OF SIDEWALK P.O.C. END SIDEWALK RAMP END PEDESTRIAN CURB
11	SR166 49+64.41	39.14 LT	13.82	FACE OF TRUCK APRON CURB P.T.
12	SR166 49+55.96	50.02 LT	14.60	BACK OF SIDEWALK P.O.C.
13	SR166 49+61.10	43.86 LT	14.49	TOP BACK OF PEDESTRIAN CURB P.O.C.
14	B 10+53.01	41.79 LT	14.41	BACK OF SIDEWALK P.O.C.
15	B 10+48.07	35.47 LT	14.29	TOP BACK OF PEDESTRIAN CURB P.O.C.
16	B 10+43.69	29.88 LT	13.57	FACE OF TRUCK APRON CURB P.C.
17	B 10+59.90	36.99 LT	14.24	BACK OF SIDEWALK P.O.C. BEGIN SIDEWALK RAMP
18	B 10+55.67	30.16 LT	14.12	TOP BACK OF PEDESTRIAN CURB/ FACE OF SIDEWALK BEGIN SIDEWALK RAMP
19	B 10+55.73	20.11 LT	13.29	FACE OF TRUCK APRON CURB P.O.C.
20	B 10+72.62	30.67 LT	13.23	BACK OF SIDEWALK RAMP P.O.C. A.P. IN GRADE; BOTTOM OF RAMP

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
21	B 10+69.72	23.18 LT	13.11	FACE OF SIDEWALK P.O.C. A.P. IN GRADE; BOTTOM OF RAMP
22	B 10+71.46	22.53 LT	13.08	FACE OF SIDEWALK RAMP P.O.C. END PEDESTRIAN CURB; HEIGHT = 7"
23	B 10+67.45	15.18 LT	13.05	FACE OF TRUCK APRON CURB P.O.C. BEGIN CURB HEIGHT TRANSITION
24	B 10+70.19	14.50 LT	12.99	FACE OF TRUCK APRON CURB P.O.C. END CURB HEIGHT TRANSITION CURB HEIGHT = 0"
25	B 10+76.45	20.92 LT	13.04	FACE OF SIDEWALK RAMP P.O.C. BEGIN PEDESTRIAN CURB; HEIGHT = 6"
26	B 10+75.09	13.68 LT	12.90	FACE OF TRUCK APRON CURB P.O.C. BEGIN CURB HEIGHT TRANSITION CURB HEIGHT = 0"
27	B 10+77.63	13.45 LT	12.86	FACE OF TRUCK APRON CURB P.C. END CURB HEIGHT TRANSITION CURB HEIGHT = 3"
28	B 10+80.22	28.19 LT	13.11	BACK OF SIDEWALK RAMP P.O.C. A.P. IN GRADE; BOTTOM OF RAMP
29	B 10+78.18	20.46 LT	12.99	FACE OF SIDEWALK P.O.C. A.P. IN GRADE; BOTTOM OF RAMP
30	B 10+86.83	26.44 LT	13.56	BACK OF SIDEWALK RAMP P.O.C. A.P. IN GRADE; TOP OF RAMP END SIDEWALK RAMP
31	B 10+84.79	18.72 LT	13.44	TOP BACK OF PEDESTRIAN CURB/ FACE OF SIDEWALK END SIDEWALK RAMP
32	B 10+97.28	15.91 LT	13.29	TOP BACK OF PEDESTRIAN CURB/ FACE OF SIDEWALK P.O.C.
33	B 10+94.44	12.74 LT	12.68	FACE OF TRUCK APRON CURB P.O.T.
34	B 11+06.61	23.28 LT	13.37	BACK OF SIDEWALK P.O.C.
35	B 11+09.95	14.19 LT	13.22	TOP BACK OF PEDESTRIAN CURB/ FACE OF SIDEWALK P.O.C. END PEDESTRIAN CURB BEGIN CURB TRANSITION SECTION
36	B 11+09.84	12.10 LT	12.62	FACE OF CURB P.C. END ROUNDABOUT TRUCK APRON CURB BEGIN CURB TRANSITION SECTION

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
37	B 11+21.48	12.00 LT	12.60	FACE OF CURB TRANSITION SECTION P.O.C.
38	B 11+28.64	23.46 LT	13.29	BACK OF SIDEWALK P.T.
39	B 11+33.62	12.00 LT	12.55	FACE OF CURB P.T. END CEMENT CONC. CURB TRANSITION SECTION BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
40	B 11+40.62	18.50 LT	13.12	BEGIN PEDESTRIAN CURB TOP BACK OF PEDESTRIAN CURB
41	B 11+50.62	12.00 LT	12.50	FACE OF CURB P.O.T. END CEMENT CONC. TRAFFIC CURB AND GUTTER; TAPER END OF CURB @ 45°
42	B 11+50.62	18.00 LT	12.39	END PEDESTRIAN CURB BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
43	B 11+50.63	23.54 LT	12.97	BACK OF SIDEWALK P.O.T.
44	B 11+75.00	18.00 LT	12.50	FACE OF CURB P.O.T.
45	B 11+75.00	23.54 LT	13.07	BACK OF SIDEWALK P.O.T.
46	B 12+00.00	23.54 LT	13.19	BACK OF SIDEWALK P.O.T
47	B 12+00.00	18.00 LT	12.62	FACE OF CURB P.O.T.
48	B 12+07.63	23.54 LT	13.20	BACK OF SIDEWALK P.O.T. BEGIN PEDESTRIAN CURB BEGIN SIDEWALK RAMP
49	B 12+13.48	23.54 LT	12.78	BACK OF SIDEWALK RAMP P.O.T. A.P. IN GRADE; BOTTOM OF RAMP
50	B 12+18.47	23.54 LT	12.70	BACK OF SIDEWALK RAMP P.O.T.
51	B 12+24.47	24.04 LT	MATCH EX.	END OF CEMENT CONC. TRAFFIC CURB AND GUTTER END PEDESTRIAN CURB END SIDEWALK RAMP
52	B 12+13.48	18.54 LT	12.70	FACE OF SIDEWALK RAMP A.P. IN GRADE
53	B 12+18.47	18.00 LT	12.63	FACE OF CEMENT CONC. TRAFFIC CURB AND GUTTER P.C. REDUCE CURB HT TO 0" W/45° TAPER

FILE NAME	c:\users\charlem\pw_wsdot\d0462107\XL6283_PS_PD.dgn
TIME	5:08:43 PM
DATE	1/19/2023
PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
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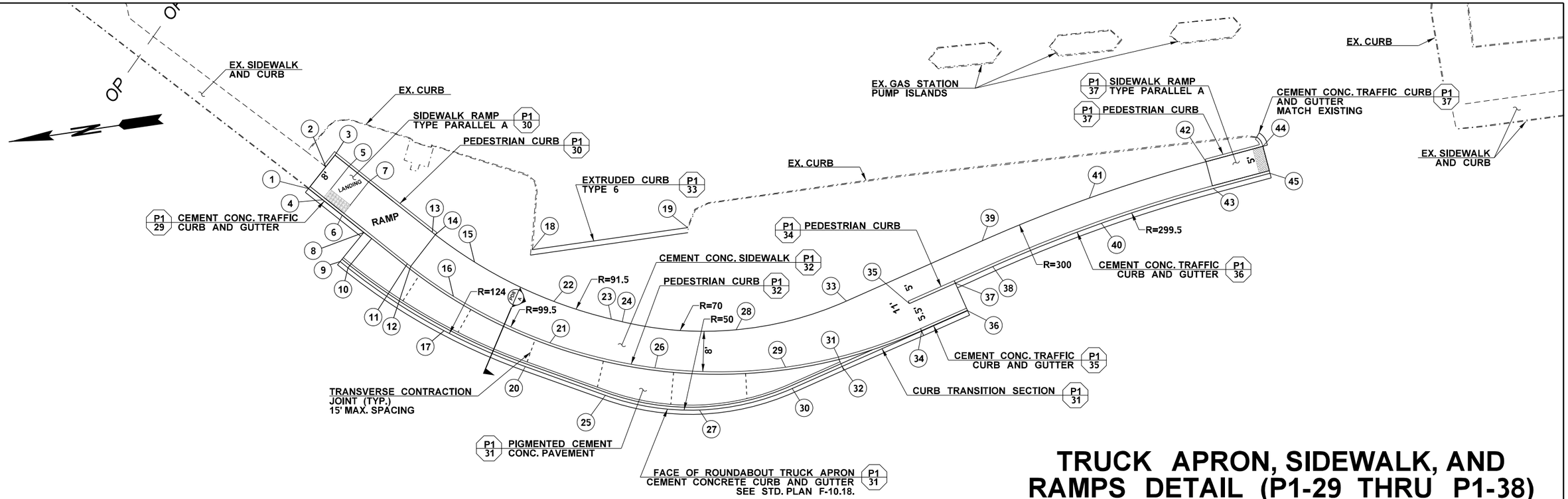
Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

Plot 5
PLAN REF NO PD5
SHEET 34 OF 61 SHEETS



TRUCK APRON, SIDEWALK, AND RAMPS DETAIL (P1-29 THRU P1-38)

0 10 20
SCALE IN FEET

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
1	B 10+75.45	32.63 RT	MATCH EX.	FACE OF CURB P.O.T. BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
2	B 10+76.18	38.15 RT	MATCH EX.	BACK OF SIDEWALK P.O.T. BEGIN PEDESTRIAN CURB
3	B 10+76.56	41.06 RT	-	BACK OF SIDEWALK P.O.T. CARRY EXISTING SIDEWALK SLOPE TO POINT
4	B 10+71.93	33.09 RT	12.53	FACE OF CURB P.O.T. CURB HEIGHT = 0"
5	B 10+73.04	41.52 RT	12.65	BACK OF SIDEWALK RAMP LANDING
6	B 10+66.98	33.75 RT	12.63	FACE OF CURB P.O.T. CURB HEIGHT TRANSITION 0" TO 6" BEGIN SIDEWALK RAMP UP
7	B 10+68.10	42.17 RT	12.75	BACK OF SIDEWALK RAMP LANDING
8	B 10+61.55	34.46 RT	12.88	FACE OF CURB P.O.T. END CEMENT CONC. TRAFFIC CURB AND GUTTER BEGIN PEDESTRIAN CURB
9	B 10+60.64	27.09 RT	13.03	BEGIN ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER, P.C. CURB HEIGHT = 0", BEGIN CURB HEIGHT TRANSITION BEGIN ROUNDABOUT TRUCK APRON
10	B 10+58.66	27.32 RT	13.08	FACE OF CURB P.O.C. END CURB HEIGHT TRANSITION CURB HEIGHT = 3".
11	B 10+51.01	36.36 RT	14.01	TOP BACK OF PEDESTRIAN CURB P.C.

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
12	B 10+59.19	36.47 RT	14.02	TOP BACK OF PEDESTRIAN CURB END SIDEWALK RAMP
13	B 10+52.06	44.29 RT	14.07	BACK OF SIDEWALK P.C.
14	B 10+51.30	44.39 RT	14.12	BACK OF SIDEWALK P.O.C. END SIDEWALK RAMP
15	B 10+42.00	46.19 RT	14.29	BACK OF SIDEWALK A.P.
16	B 10+40.00	38.45 RT	14.17	TOP BACK OF PEDESTRIAN CURB P.O.C.
17	B 10+36.40	32.33 RT	13.50	FACE OF APRON CURB P.O.C.
18	SR166 50+33.55	57.47 LT	MATCH EX.	BEGIN EXTRUDED CURB TYPE 6
19	SR166 50+64.41	52.72 LT	MATCH EX.	END EXTRUDED CURB TYPE 6
20	SR166 50+25.49	35.61 LT	13.77	FACE OF APRON CURB P.T.
21	SR166 50+31.53	38.74 LT	14.50	BACK OF PEDESTRIAN CURB P.O.C.
22	SR166 50+34.69	46.38 LT	14.58	BACK OF SIDEWALK P.O.C.
23	SR166 50+44.61	39.69 LT	14.84	BACK OF SIDEWALK P.T.
24	SR166 50+46.54	38.56 LT	14.89	BACK OF SIDEWALK P.C.
25	SR166 50+39.07	25.52 LT	14.09	FACE OF APRON CURB P.C.
26	SR166 50+50.09	27.89 LT	14.95	BACK OF PEDESTRIAN CURB P.O.C.
27	SR166 50+56.13	17.31 LT	14.37	FACE OF APRON CURB P.O.C.
28	SR166 50+67.73	30.46 LT	15.25	BACK OF SIDEWALK P.O.C.
29	SR166 50+75.00	20.47 LT	15.14	FACE OF PEDESTRIAN CURB P.O.C.
30	SR166 50+75.03	16.03 LT	14.50	FACE OF APRON CURB P.T.
31	SR166 50+85.65	19.36 LT	15.15	BACK OF PEDESTRIAN CURB P.T. END PEDESTRIAN CURB
32	SR166 50+85.81	17.36 LT	14.57	FACE OF CURB P.O.T. END ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER BEGIN CURB TRANSITION SECTION

CURB, APRON, AND SIDEWALK POINTS

POINT #	STATION	OFFSET	ELEV.	DESCRIPTION
33	SR166 50+90.40	29.56 LT	15.25	BACK OF SIDEWALK P.T.
34	SR166 51+02.99	19.48 LT	14.68	FACE OF CURB P.O.T. END CURB TRANSITION SECTION BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
35	SR166 51+02.26	25.44 LT	15.27	FACE OF CURB P.O.T. BEGIN PEDESTRIAN CURB
36	SR166 51+12.92	20.71 LT	14.75	FACE OF CURB P.O.T. END CEMENT CONC. TRAFFIC CURB AND GUTTER
37	SR166 51+12.18	26.67 LT	14.83	FACE OF CURB P.O.T. END PEDESTRIAN CURB BEGIN CEMENT CONC. TRAFFIC CURB AND GUTTER
38	SR166 51+20.25	27.66 LT	14.94	FACE OF CURB P.C.
39	SR166 51+19.72	33.18 LT	15.52	BACK OF SIDEWALK P.C.
40	SR166 51+43.45	29.63 LT	15.34	FACE OF CURB P.O.C.
41	SR166 51+42.63	35.14 LT	15.90	BACK OF SIDEWALK P.O.C.
42	SR166 51+66.92	35.33 LT	16.44	BACK OF SIDEWALK P.T. BEGIN SIDEWALK RAMP
43	SR166 51+66.74	29.79 LT	15.87	FACE OF CURB P.T.
44	SR166 51+78.51	34.96 LT	16.24	BACK OF SIDEWALK RAMP END RAMP LANDING
45	SR166 51+78.36	29.42 LT	MATCH EX.	END CEMENT CONC. TRAFFIC CURB AND GUTTER TAPER CURB HEIGHT DOWN TO 0" WITH 45° BEVEL

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TIME	5:08:48 PM
DATE	1/19/2023
PLOTTED BY	charlem
DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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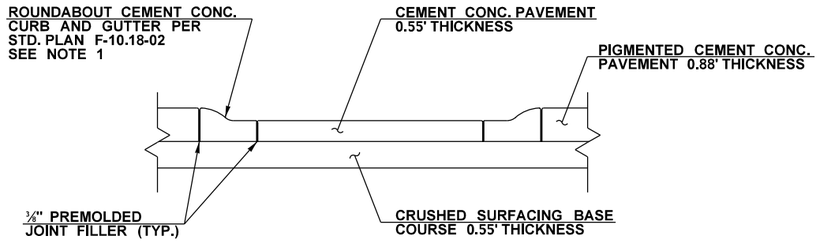
Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

Plot 6
PLAN REF NO PD6
SHEET 35 OF 61 SHEETS



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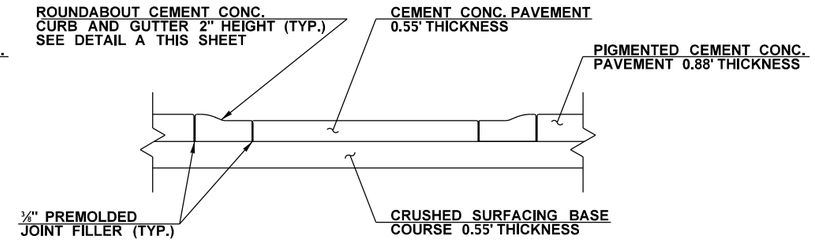

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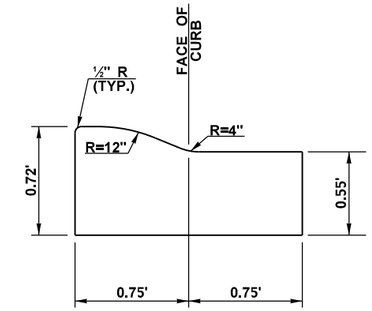

DETAIL A
ROUNDABOUT CEMENT CONC. CURB 2" HEIGHT
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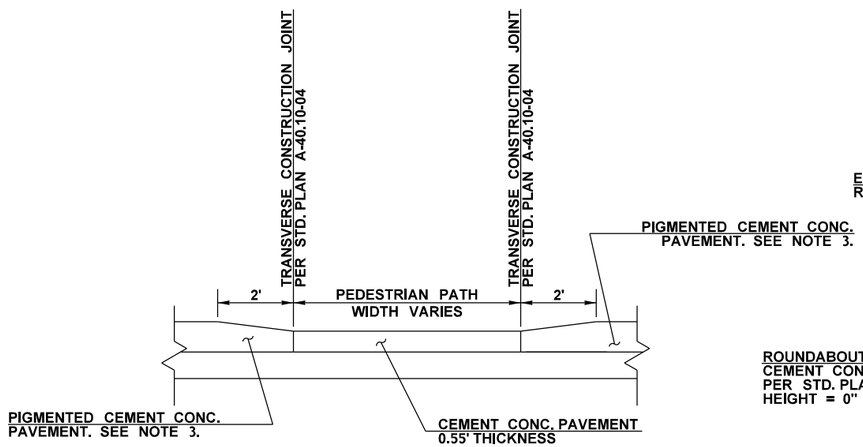

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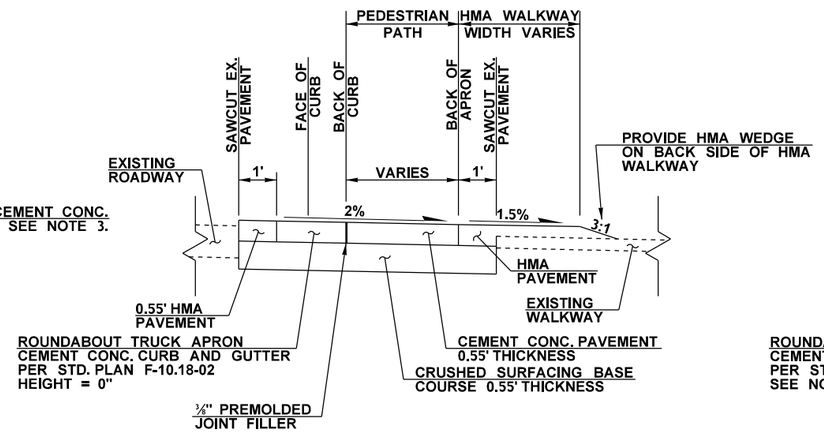

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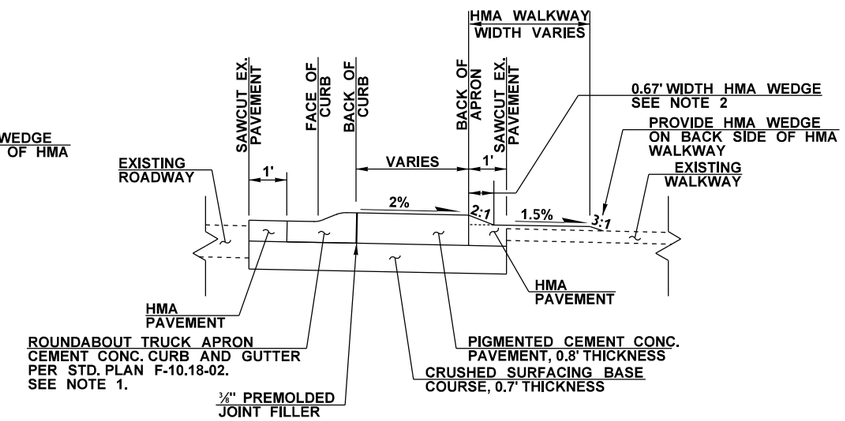

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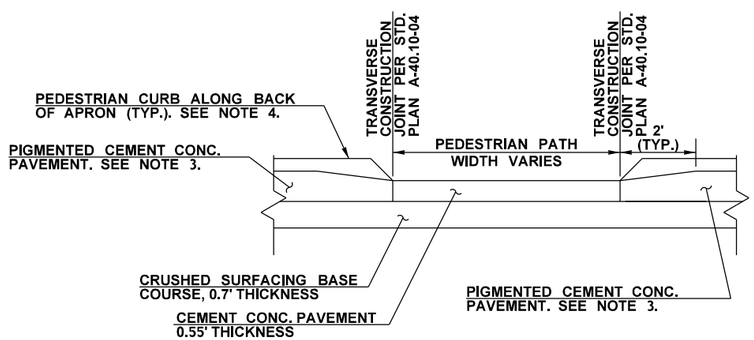

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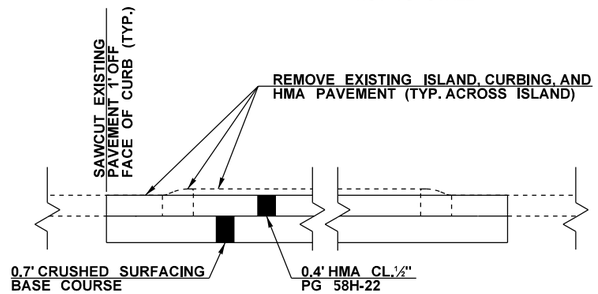

ISLAND REMOVAL PAVING DETAIL
NOT TO SCALE

NOTES

1. ADJACENT PAVEMENT THICKNESS = 0.55'
2. BEGIN HMA WALKWAY PAVEMENT 0.33' BELOW TOP BACK OF APRON. FILL TO TOP OF APRON WITH HMA AT 2:1 SLOPE. TAPER WIDTH AND SLOPE TO 0 WHERE APRON HEIGHT = 0.
3. TAPER THICKNESS OF PIGMENTED CEMENT CONC. PAVEMENT OVER 2' TO MATCH CEMENT CONC. PAVEMENT THICKNESS.
4. MAINTAIN NEAT LINE ELEVATION OF THE PEDESTRIAN CURB AND PROVIDE A 1:1 TAPER DOWN TO THE CEMENT CONC. PAVEMENT.

FILE NAME	c:\users\charlem\pw_wsdot\d0462107\XL6283_PS_PD.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	5:08:52 PM				JOB NUMBER 21C509		
DATE	1/19/2023				CONTRACT NO.		LOCATION NO. XL6283
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN						
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER
SEE SHEET CT1
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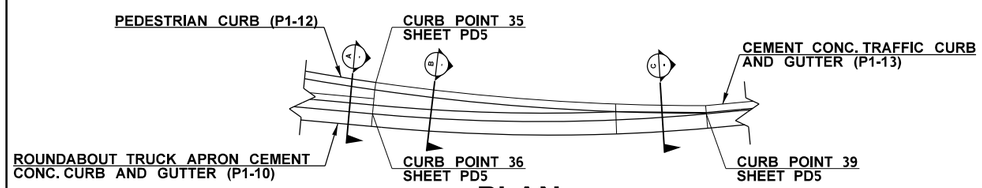
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

PLAN REF NO PD7

SHEET 36 OF 61 SHEETS

P1-13 CURB TRANSITION DETAIL



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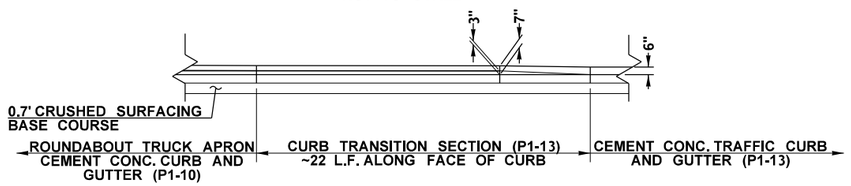
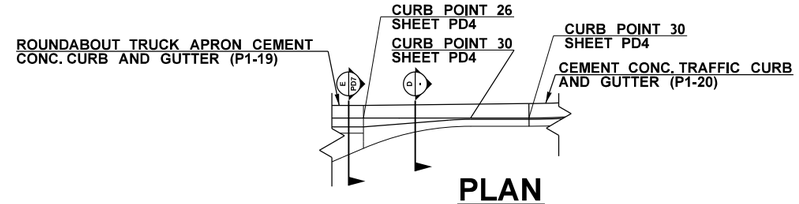


ELEVATION

P1-20 CURB TRANSITION DETAIL



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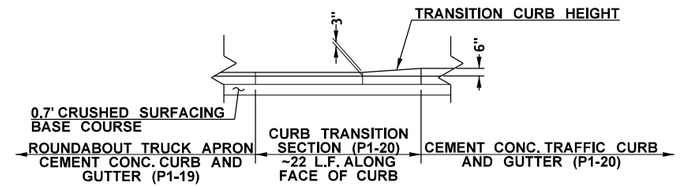
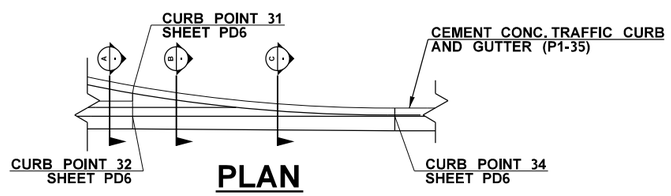
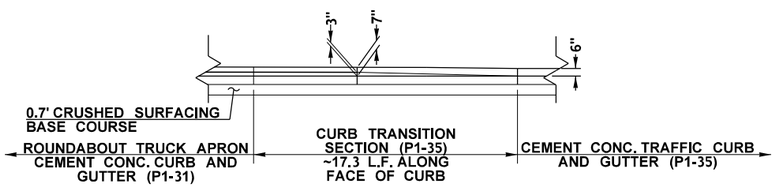


ELEVATION
NOT TO SCALE

P1-35 CURB TRANSITION DETAIL



PLAN



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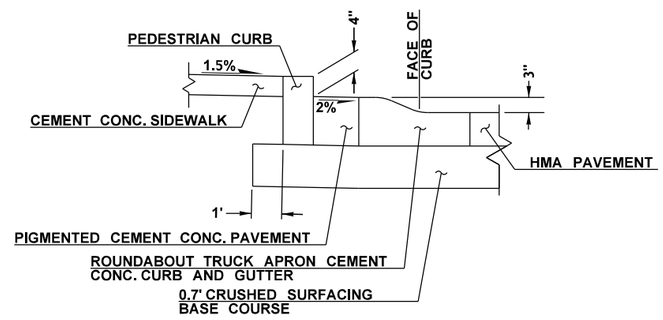

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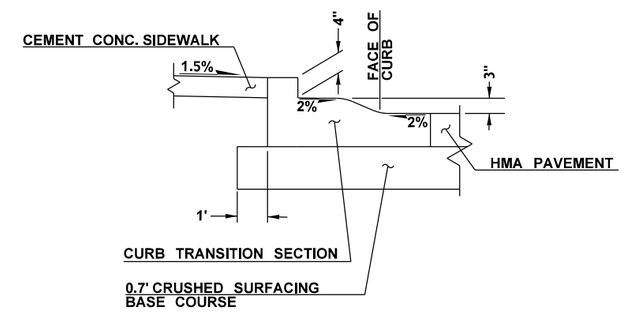

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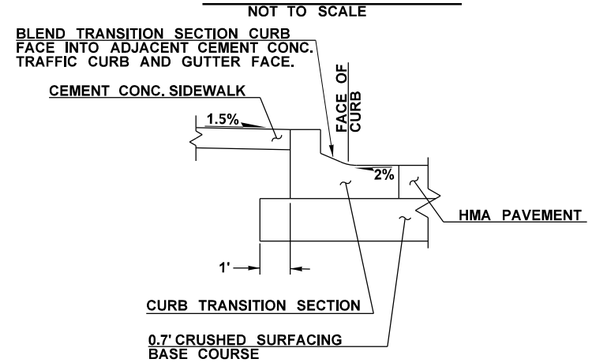

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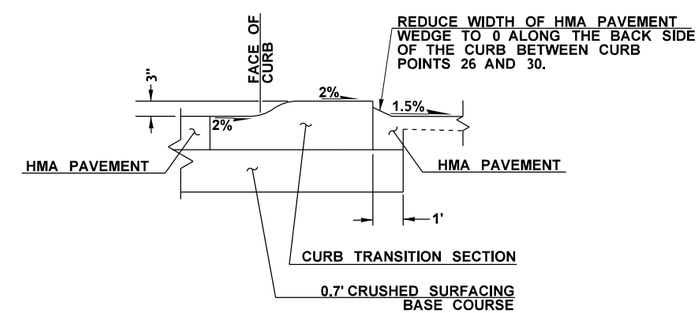

SECTION D
NOT TO SCALE

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TIME	5:08:53 PM				JOB NUMBER 21C509		
DATE	1/19/2023						
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO. XL6283
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
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Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVING DETAILS

PLAN REF NO
PD8

SHEET
37
OF
61
SHEETS

QUANTITY TABULATION - PAVEMENT MARKINGS

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 ➢	PLASTIC LINE	PLASTIC CROSSWALK LINE	PLASTIC STOP LINE	PLASTIC TRAFFIC ARROW	PLASTIC BICYCLE LANE SYMBOL		RECESSED PAVEMENT MARKER	PLASTIC WIDE LINE	PLASTIC 12-INCH WIDE LINE							SEE GENERAL NOTES
		L.F.	S.F.	L.F.	L.F.	EACH		HUND	L.F.	L.F.							
PM1-1	SR166 39+23.72 (LT) TO 39+22.27 (19.69 RT)		112														5, 16
PM1-2	SR166 47+31.00 (LT) TO 49+10.00 (LT)	185															1, 16
PM1-3	SR166 47+31.00 (LT) TO 47+65.50 (LT)	35						0.01									3, 15, 16
PM1-4	SR166 47+31.00 (RT) TO 47+65.50 (CL)	35						0.01									3, 15, 16
PM1-5	SR166 47+31.00 (RT) TO 48+89.15 (12.00 RT)	158															1, 16
PM1-6	SR166 47+65.50 (LT) TO 48+88.00 (LT)	358						0.08									2, 15, 16
PM1-7	SR166 49+14.96 (19.87 LT) TO 49+14.77 (7.12 LT)		40														5, 16
PM1-8	SR166 48+94.00 (18.50 RT)					1											11, 16
PM1-9	SR166 49+14.95 (0.75 RT TO 11.17 RT)		32														5, 16
PM1-10	B 10+72.42 (12.97 LT) TO 10+70.37 (1.68 LT)		32														5, 16
PM1-11	B 10+94.00 (0.00) TO 12+24.00 (0.00	132						0.04									3, 15, 16
PM1-12	B 11+58.00 (15 LT)					1											11, 16
PM1-13	B 11+50.62 (12 LT) TO 12+18.50 (12 LT)	68															1, 16
PM1-14	B 11+70.00 (6 RT)				1												7, 8, 16
PM1-15	B 11+86.00 (6 RT)				1												7, 8, 16
PM1-16	B 10+94.45 TO 12+24.00 (12 RT)	133						0.04									3, 15, 16
PM1-17	B 10+68.60 (12.50 RT) TO 10+69.42 (31.48 RT)		56														5, 16
PM1-18	SR166 51+21 (24.5 LT)					1											11, 16
PM1-19	SR166 51+21.92 (20.71 LT) TO 53+60 (LT)	257															1, 16
PM1-20	SR166 51+73.06 (12 LT) TO 53+60 (LT)	192						0.06									3, 15, 16
PM1-21	SR166 52+57 (6 LT)				1												7, 8, 16
PM1-22	SR166 52+73 (6 LT)				1												7, 8, 16
PM1-23	M 9+18.74 (0.6 LT) TO 9+65.00 (0.6 LT)	46															4, 16
PM1-24	M 9+45.00 (4.9 RT)				1												7, 16
PM1-25	M 9+35.50 (10.40 RT) TO 9+65.5 (10.40 RT)								30								13, 16
PM1-26	M 9+45.00 (15.9 RT)				1												9, 16
PM1-27	M 9+65.00 (0.6 LT) TO 9+66.00 (22.2 RT)			23													6, 16
PM1-28	A 2+13.16 (15.11 RT) TO SR166 53+60.00 (RT)	341															1, 16
PM1-29	SR166 51+35.00 (1.30 RT) TO 53+60.00 (CL)	225						0.07									3, 15, 16
PM1-30	SR166 47+26.27 (24 LT) TO 47+26.27 (15 RT)		112														5, 16
PM2-1	SR166 49+39.50 (10.31 LT) TO A 1+53.13 (17 RT)	7															2, 16
PM2-2	A 1+53.13 (17 RT) TO 1+64.71 (17 RT)	17															1, 16
PM2-3	SR166 49+41.31 (3.16 RT) TO A 1+64.71 (17 RT)	3															2, 16
PM2-4	A 1+64.71 (17 RT) TO 1+81.06 (15.61 RT)									24							14, 16
PM2-5	A 1+06.87 (17 RT) TO 1+23.02 (17 RT)									24							14, 16
	SHEET TOTAL	2192	384	23	6	3		0.31	30	48							

GENERAL NOTES:

1. WHITE EDGE LINE. SEE STD. PLAN M-20.10-03.
2. YELLOW EDGE LINE. SEE STD. PLAN M-20.10-03.
3. TWO-WAY LEFT-TURN CENTERLINE. SEE STD. PLAN M-20.10-03.
4. DOUBLE CENTERLINE. SEE STD. PLAN M-20.10-03.
5. SEE STD. PLAN M-15.10-01. ORIENT CROSSWALK BARS PARALLEL TO TIRE PATHS IN LANE.
6. SEE STD. PLAN M-24.60-04.
7. TYPE 2SL TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
8. SEE STD. PLAN M-3.40-04, "LEFT TURN LANE CHANNELIZATION" FOR SPACING OF ARROWS IN TWO-WAY LEFT TURN LANE.
9. TYPE 2SR TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
10. TYPE 1S TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
11. SEE STD. PLAN M-9.50-02.
12. SEE STD. PLAN M-20.30-04.
13. WHITE WIDE SOLID LANE LINE. SEE STD. PLAN M-20.10-03.
14. WHITE WIDE DOTTED ENTRY LINE. SEE STD. PLAN M-20.10-03.
15. TYPE 2 YY RECESSED PAVEMENT MARKERS. SEE STD. PLAN M-20.30. SEE STD. PLAN M-20.40 FOR LAYOUT.
16. MATERIAL FOR PLASTIC PAVEMENT MARKINGS SHALL BE PER STD. SPECIFICATION 9-34.3(4).

DESIGNED BY	C. MCGOWAN				
ENTERED BY	C. MCGOWAN				
CHECKED BY	K. CORNWELL				
PROJ. ENGR.	A. AMOS				
REGION ADM.	S. ROARK				
		DATE	DATE	REVISION	BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	0166(011)
JOB NUMBER		
C21509		
CONTRACT NO.		

Washington State Department of Transportation

166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVEMENT MARKINGS

QTPM 1

SHEET 38 OF 61 SHEETS

QUANTITY TABULATION - PAVEMENT MARKINGS

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 →	PLASTIC LINE	PLASTIC CROSSWALK LINE	PLASTIC STOP LINE	PLASTIC TRAFFIC ARROW	PLASTIC BICYCLE LANE SYMBOL		RECESSED PAVEMENT MARKER	PLASTIC WIDE LINE	PLASTIC 12-INCH WIDE LINE							SEE GENERAL NOTES
		L.F.	S.F.	L.F.	L.F.	EACH		HUND	L.F.	L.F.							
PM2-6	A 1+06.87 (17 RT) TO B 10+50.52 (5.92 LT)	3															2, 16
PM2-7	A 3+03.34 (17 RT) TO 1+06.87 (17 RT)	23															1, 16
PM2-8	A 3+03.34 (17 RT) TO B 10+49.95 (13.50 RT)	7						0.04									2, 15, 16
PM2-9	A 2+55.71 (17 RT) TO 2+27.90 (17 RT)									24							14, 16
PM2-10	A 2+37.15 (17 RT) TO 2+55.71 (17 RT)	28															1, 16
PM2-11	A 2+37.15 (17 RT) TO SR166 50+50.53 (19.91 RT)	8															2, 16
PM2-12	A 2+55.71 (17 RT) TO SR166 50+92.80 (5.55 LT)	49						0.03									2, 15, 16
PM2-13	SR166 50+58 (25.2 RT)				1												10, 16
PM2-14	SR166 50+70.05 (13.38 RT) TO 51+04.33 (5.23 RT)	36															2, 16
	SHEET TOTAL	154			1			0.07		24							
	PROJECT TOTAL	2346	384	23	7	3		0.38	30	72							

GENERAL NOTES:

1. WHITE EDGE LINE. SEE STD. PLAN M-20.10-03.
2. YELLOW EDGE LINE. SEE STD. PLAN M-20.10-03.
3. TWO-WAY LEFT-TURN CENTERLINE. SEE STD. PLAN M-20.10-03.
4. DOUBLE CENTERLINE. SEE STD. PLAN M-20.10-03.
5. SEE STD. PLAN M-15.10-01. ORIENT CROSSWALK BARS PARALLEL TO TIRE PATHS IN LANE.
6. SEE STD. PLAN M-24.60-04.
7. TYPE 2SL TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
8. SEE STD. PLAN M-3.40-04, "LEFT TURN LANE CHANNELIZATION" FOR SPACING OF ARROWS IN TWO-WAY LEFT TURN LANE.
9. TYPE 2SR TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
10. TYPE 1S TRAFFIC ARROW. SEE STD. PLAN M24.40-02.
11. SEE STD. PLAN M-9.50-02.
12. SEE STD. PLAN M-20.30-04.
13. WHITE WIDE SOLID LANE LINE. SEE STD. PLAN M-20.10-03.
14. WHITE WIDE DOTTED ENTRY LINE. SEE STD. PLAN M-20.10-03.
15. TYPE 2 YY RECESSED PAVEMENT MARKERS. SEE STD. PLAN M-20.30. SEE STD. PLAN M-20.40 FOR LAYOUT.
16. MATERIAL FOR PLASTIC PAVEMENT MARKINGS SHALL BE PER STD. SPECIFICATION 9-34.3(4).

DESIGNED BY	C. MCGOWAN					
ENTERED BY	C. MCGOWAN					
CHECKED BY	K. CORNWELL					
PROJ. ENGR.	A. AMOS					
REGION ADM.	S. ROARK					
		DATE	**DATE**	**REVISION**		**BY**

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	0166(011)
JOB NUMBER		
C21509		
CONTRACT NO.		

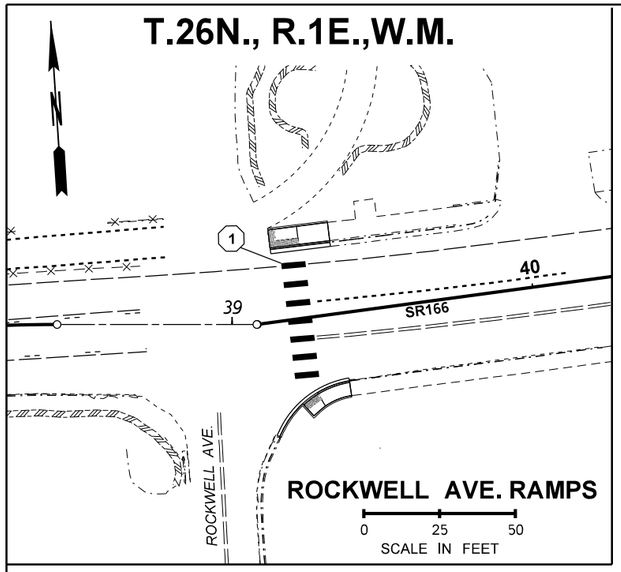
Washington State Department of Transportation

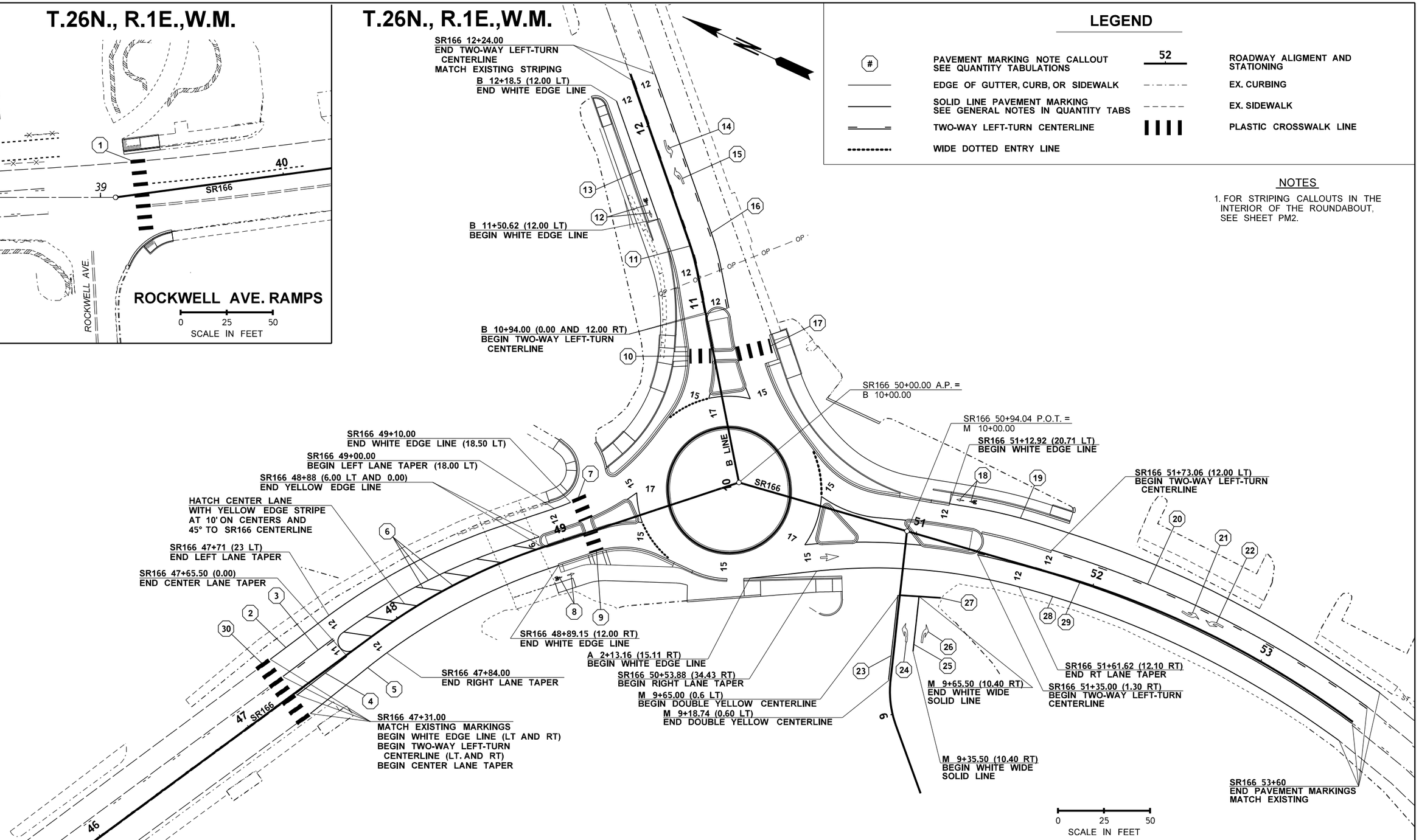
166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

QUANTITY TABULATION - PAVEMENT MARKINGS

QTPM 2

SHEET 39 **OF** 61 **SHEETS**





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DATE	1/19/2023				JOB NUMBER		
PLOTTED BY	charlem						
DESIGNED BY	C. MCGOWAN				CONTRACT NO.		LOCATION NO. XL6283
ENTERED BY	C. MCGOWAN						
CHECKED BY	K. CORNWELL						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

AMELIA AMOS — STATE OF WASHINGTON — 38289 — REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVEMENT MARKING PLAN

Plot 1
PLAN REF NO PM1
SHEET 40 OF 61 SHEETS

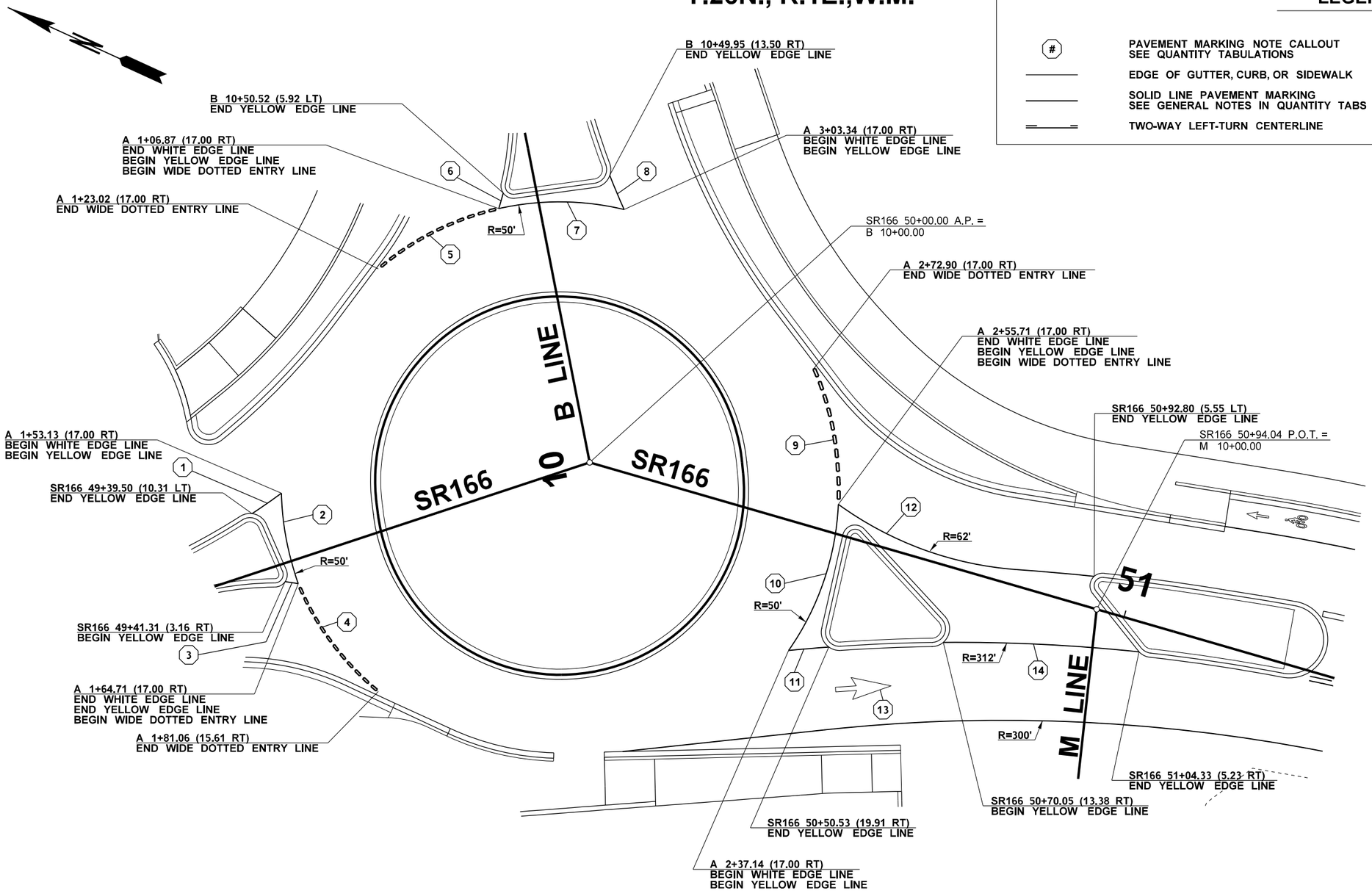
T.26N., R.1E.,W.M.

LEGEND

#	PAVEMENT MARKING NOTE CALLOUT SEE QUANTITY TABULATIONS	52	ROADWAY ALIGMENT AND STATIONING
	EDGE OF GUTTER, CURB, OR SIDEWALK		EX. CURBING
	SOLID LINE PAVEMENT MARKING SEE GENERAL NOTES IN QUANTITY TABS		EX. SIDEWALK
	TWO-WAY LEFT-TURN CENTERLINE		WIDE DOTTED ENTRY LINE

NOTES

1. FOR STRIPING CALLOUTS NOT SHOWN ON THIS SHEET, SEE SHEET PM1.



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DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38269 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

PAVEMENT MARKING PLAN

Plot 2
PLAN REF NO PM2
SHEET 41 OF 61 SHEETS

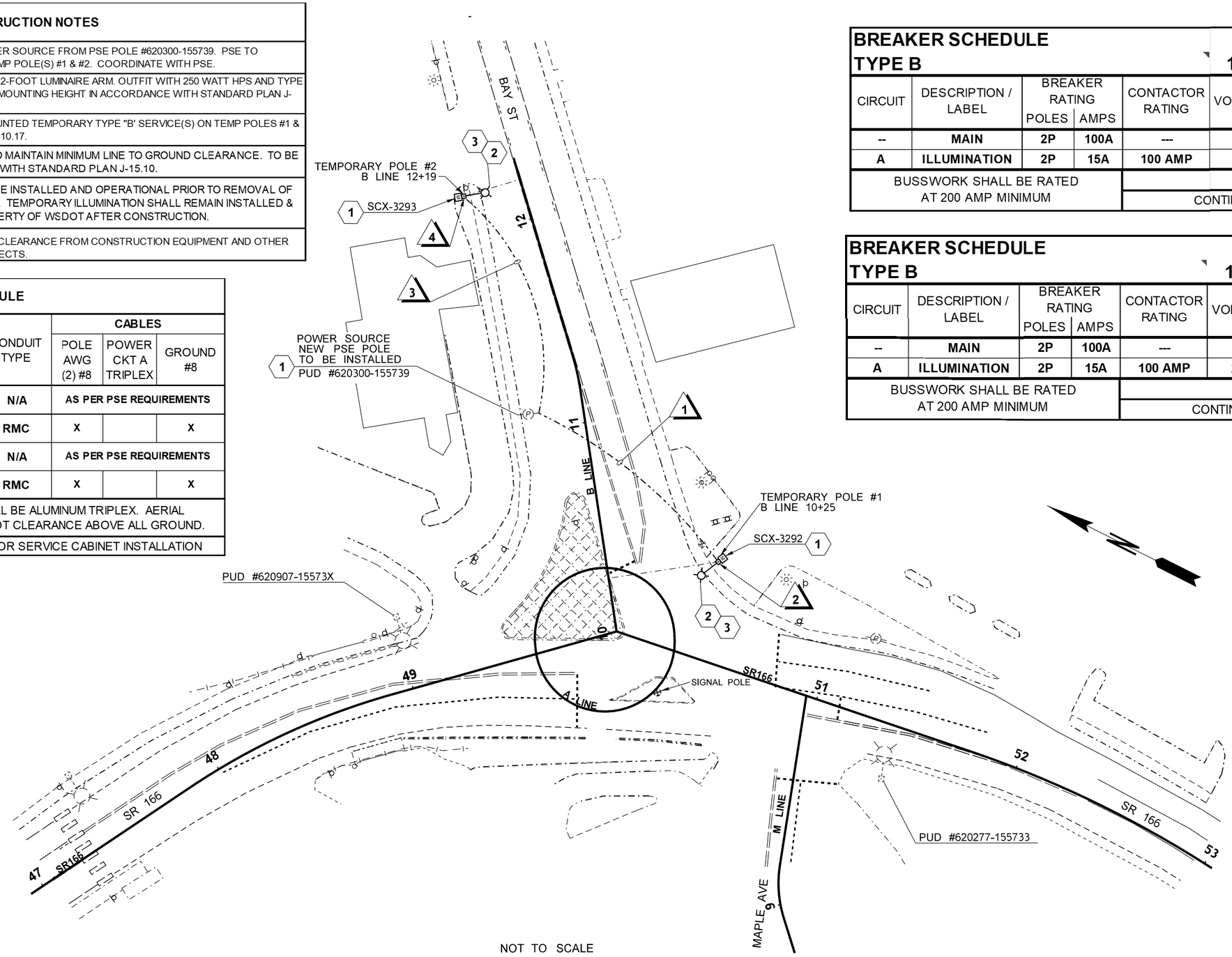
NO.	CONSTRUCTION NOTES
1	TEMPORARY SERVICE #3292 & #3293 - ACCESS POWER SOURCE FROM PSE POLE #620300-155739. PSE TO COMPLETE OVERHEAD POWER CONNECTION TO TEMP POLE(S) #1 & #2. COORDINATE WITH PSE.
2	POLES #1 & #2 INSTALL CLASS 5 TIMBER POLE WITH 12-FOOT LUMINAIRE ARM. OUTFIT WITH 250 WATT HPS AND TYPE III MEDIUM CUTOFF OR LED EQUIVALENT AT 30-FOOT MOUNTING HEIGHT IN ACCORDANCE WITH STANDARD PLAN J-15.10. COORDINATE WITH PSE.
3	INSTALL RISER(S), WEATHERHEAD(S), AND POLE MOUNTED TEMPORARY TYPE "B' SERVICE(S) ON TEMP POLES #1 & #2. COORDINATE WITH PSE. SEE STANDARD PLAN J-10.17.
GENERAL NOTE: POLE LENGTH SHALL BE SUFFICENT TO MAINTAIN MINIMUM LINE TO GROUND CLEARANCE. TO BE INSTALLED IN ACCORDANCE WITH STANDARD PLAN J-15.10.	
GENERAL NOTE: LIGHTING ON TEMPORARY POLES TO BE INSTALLED AND OPERATIONAL PRIOR TO REMOVAL OF EXISTING INTERSECTION LIGHTING AND SIGNAL SYSTEM. TEMPORARY ILLUMINATION SHALL REMAIN INSTALLED & OPERATIONAL, AND REMAIN THE PROPERTY OF WSDOT AFTER CONSTRUCTION.	
GENERAL NOTE: AERIAL WIRING SHALL MAINTAIN 10-FOOT CLEARANCE FROM CONSTRUCTION EQUIPMENT AND OTHER OBJECTS.	

WIRING SCHEDULE

NO.	FROM	TO	CONDUIT / RACEWAY	CONDUIT TYPE	CABLES: POLE AWG (2) #8	CABLES: POWER CKT A TRIPLEX	CABLES: GROUND #8
1	PUD POLE	TEMP POLE #1	AERIAL	N/A	AS PER PSE REQUIREMENTS		
2	POLE TOP	METER SERVICE	1."	RMC	X		X
3	PUD POLE	TEMP POLE #2	AERIAL	N/A	AS PER PSE REQUIREMENTS		
4	POLE TOP	METER SERVICE	1."	RMC	X		X

GENERAL NOTE: AERIAL CONDUCTORS SHALL BE ALUMINUM TRIPLEX. AERIAL CONDUCTORS SHALL MAINTAIN A MINIMUM 16 FOOT CLEARANCE ABOVE ALL GROUND.

GENERAL NOTE: SEE STANDARD PLAN J-10.14 FOR SERVICE CABINET INSTALLATION



BREAKER SCHEDULE **SCD 3292**
TYPE B **120 / 240 V**

CIRCUIT	DESCRIPTION / LABEL	BREAKER RATING POLES	BREAKER RATING AMPS	CONTACTOR RATING	VOLTAGE	LOAD (kVA)
--	MAIN	2P	100A	---	---	--
A	ILLUMINATION	2P	15A	100 AMP	240	0.3
BUSSWORK SHALL BE RATED AT 200 AMP MINIMUM					PEAK	1.3
					CONTINUOUS	0.3

BREAKER SCHEDULE **SCD 3293**
TYPE B **120 / 240 V**

CIRCUIT	DESCRIPTION / LABEL	BREAKER RATING POLES	BREAKER RATING AMPS	CONTACTOR RATING	VOLTAGE	LOAD (kVA)
--	MAIN	2P	100A	---	---	--
A	ILLUMINATION	2P	15A	100 AMP	240	0.3
BUSSWORK SHALL BE RATED AT 200 AMP MINIMUM					PEAK	1.3
					CONTINUOUS	0.3

LEGEND

- M — TEMPORARY TYPE B SERVICE CABINET (240V) POLE MOUNTED
- # — CONDUIT/CABLE WIRE NOTE
- # — CONSTRUCTION NOTE
- LUMINAIRE
- TEMPORARY TIMBER POLE (CLASS 5)
- AERIAL WIRING
- EXISTING LUMINAIRE

NOT TO SCALE

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DATE	1/19/2023
PLOTTED BY	miesm
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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

JOB NUMBER 21C509

CONTRACT NO.

LOCATION NO. XL6283

P.E. STAMP BOX — DATE

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TEMPORARY ILLUMINATION

PLAN REF NO TIL1

SHEET 42 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_TIL_1.dgn

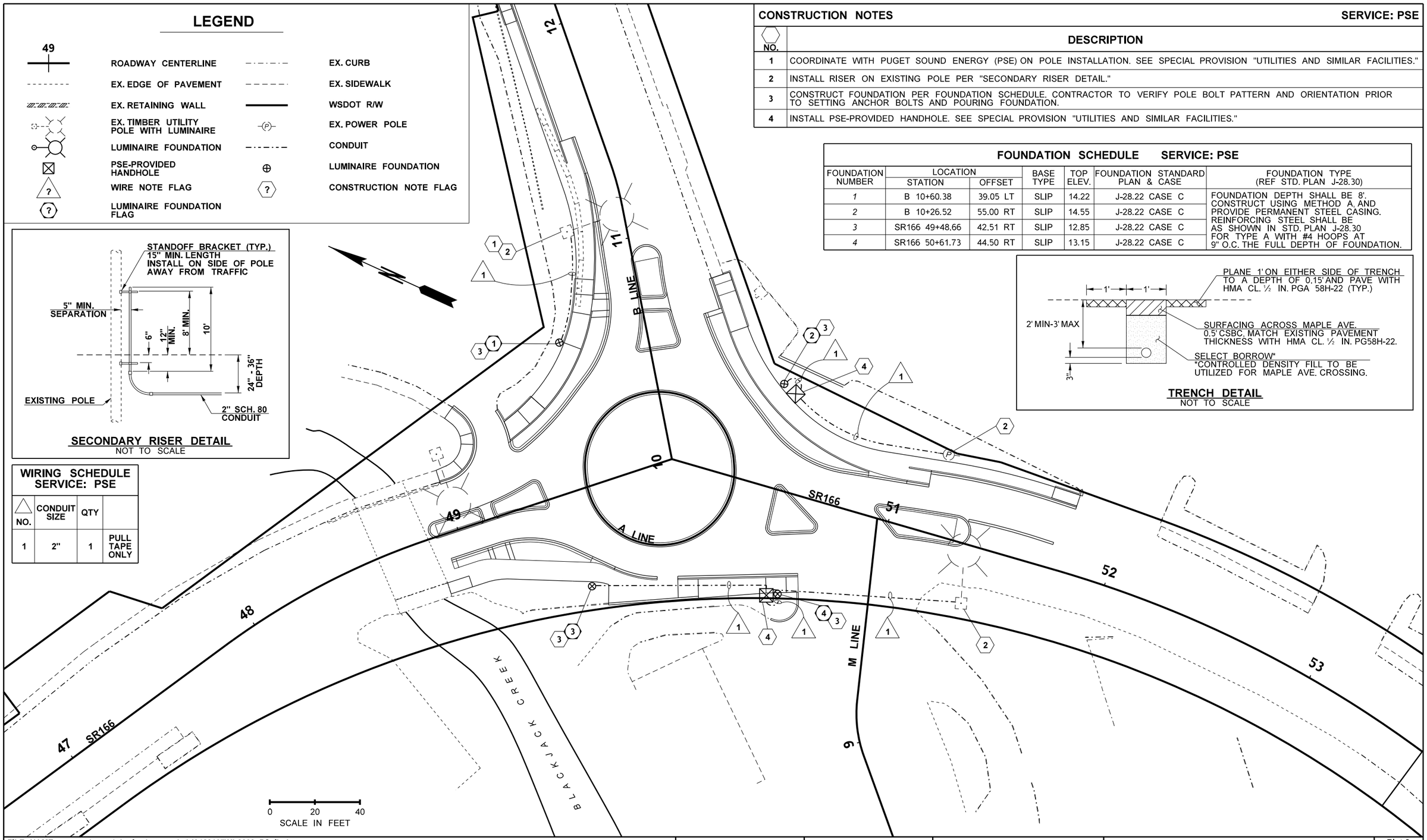
LEGEND

49	ROADWAY CENTERLINE		EX. CURB
	EX. EDGE OF PAVEMENT		EX. SIDEWALK
	EX. RETAINING WALL		WSDOT R/W
	EX. TIMBER UTILITY POLE WITH LUMINAIRE	P	EX. POWER POLE
	LUMINAIRE FOUNDATION		CONDUIT
	PSE-PROVIDED HANDHOLE		LUMINAIRE FOUNDATION
?	WIRE NOTE FLAG	?	CONSTRUCTION NOTE FLAG
?	LUMINAIRE FOUNDATION FLAG		

SECONDARY RISER DETAIL
NOT TO SCALE

WIRING SCHEDULE SERVICE: PSE

NO.	CONDUIT SIZE	QTY	
1	2"	1	PULL TAPE ONLY



CONSTRUCTION NOTES — SERVICE: PSE

NO.	DESCRIPTION
1	COORDINATE WITH PUGET SOUND ENERGY (PSE) ON POLE INSTALLATION. SEE SPECIAL PROVISION "UTILITIES AND SIMILAR FACILITIES."
2	INSTALL RISER ON EXISTING POLE PER "SECONDARY RISER DETAIL."
3	CONSTRUCT FOUNDATION PER FOUNDATION SCHEDULE. CONTRACTOR TO VERIFY POLE BOLT PATTERN AND ORIENTATION PRIOR TO SETTING ANCHOR BOLTS AND POURING FOUNDATION.
4	INSTALL PSE-PROVIDED HANDHOLE. SEE SPECIAL PROVISION "UTILITIES AND SIMILAR FACILITIES."

FOUNDATION SCHEDULE SERVICE: PSE

FOUNDATION NUMBER	LOCATION STATION	LOCATION OFFSET	BASE TYPE	TOP ELEV.	FOUNDATION STANDARD PLAN & CASE	FOUNDATION TYPE (REF STD. PLAN J-28.30)
1	B 10+60.38	39.05 LT	SLIP	14.22	J-28.22 CASE C	FOUNDATION DEPTH SHALL BE 8'. CONSTRUCT USING METHOD A, AND PROVIDE PERMANENT STEEL CASING. REINFORCING STEEL SHALL BE AS SHOWN IN STD. PLAN J-28.30 FOR TYPE A WITH #4 HOOPS AT 9" O.C. THE FULL DEPTH OF FOUNDATION.
2	B 10+26.52	55.00 RT	SLIP	14.55	J-28.22 CASE C	
3	SR166 49+48.66	42.51 RT	SLIP	12.85	J-28.22 CASE C	
4	SR166 50+61.73	44.50 RT	SLIP	13.15	J-28.22 CASE C	

TRENCH DETAIL
NOT TO SCALE

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DESIGNED BY	C. MCGOWAN
ENTERED BY	C. MCGOWAN
CHECKED BY	K. CORNWELL
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER | CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO. XL6283

AMELIA AMOS STATE OF WASHINGTON 38289 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

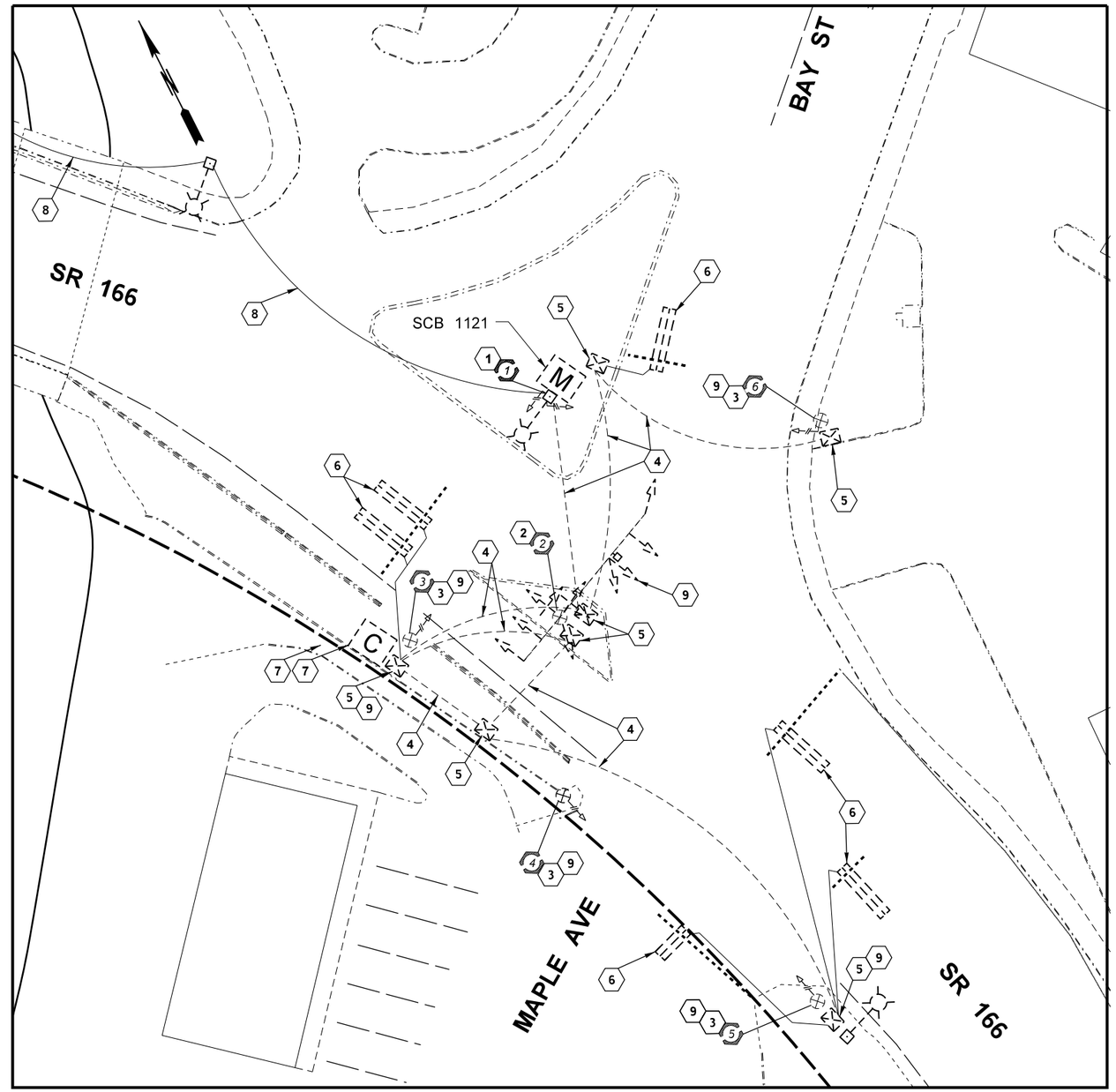
ILLUMINATION PLAN

Plot 2
PLAN REF NO IL1
SHEET 43 OF 61 SHEETS

LEGEND

EXISTING	DESCRIPTION
	TYPE 1 JUNCTION BOX
C	CONTROLLER CABINET
M	TYPE B MODIFIED METERED SERVICE CABINET
	MAST ARM SIGN
	TRAFFIC SIGN (GROUND MOUNTED)
	VEHICLE SIGNAL HEAD (THRU)
	VEHICLE SIGNAL HEAD (TURN)
	PEDESTRIAN SIGNAL HEAD AND APS PPB-M
	SIGNAL STANDARD
	TYPE 1 DETECTOR LOOP (6 X 30)
	CONDUIT AND WIRING
#	SIGNAL POLE NUMBER
#	CONSTRUCTION NOTE
	TIMBER POLE
	EMERGENCY VEHICLE PREEMPT DETECTOR AND INDICATOR

NO.	DEMOLITION NOTES
1	POLE #1 - REMOVE EXISTING SIGNAL EQUIPMENT FROM PUD POLE #620305- 155728 INCLUDING PED DISPLAY(S), PED PUSH BUTTONS, POLE MOUNTED ELECTRICAL SERVICE, AND ANY MISCELLANEOUS ATTACHED EQUIPMENT. UTILITY POLE AND SERVICE TO BE REMOVED BY PUD,COORDINATE REMOVAL WITH PUD. TEMPORARY PORTABLE TRAILER-MOUNTED TRAFFIC SIGNAL(S) TO BE ENERGIZED AND OPERATIONAL PRIOR TO EXISTING SIGNAL REMOVAL.
2	POLE #2 - REMOVE EXISTING SIGNAL POLE AND FOUNDATION WITH ALL MISCELLANEOUS EQUIPMENT INCLUDING SIGNAL HEADS, EMERGENCY VEHICLE DETECTORS, TRAFFIC SIGNS, TERMINAL CABINET, AND ANY MISCELLANEOUS ATTACHED EQUIPMENT. TEMPORARY PORTABLE TRAILER-MOUNTED TRAFFIC SIGNAL(S) TO BE ENERGIZED AND OPERATIONAL PRIOR TO EXISTING SIGNAL REMOVAL.
3	POLE #3, #4, #5, & #6 - REMOVE EXISTING "PS" POLE(S) INCLUDING FOUNDATION, PED DISPLAYS, AND PUSH BUTTONS. POLE(S) SHALL NOT BE REMOVED UNTIL SIDEWALK IS CLOSED AND PED DETOUR IS OPEN.
4	REMOVE EXISTING CONDUCTORS, SWEEPS, AND ABANDON EXISTING CONDUIT IN PLACE.
5	REMOVE EXISTING JUNCTION BOXES AS SHOWN.
6	ABANDON EXISTING DETECTION LOOPS IN PLACE. DISCONNECT AND REMOVE ALL LEAD-IN CABLES FROM EXISTING CONDUIT.
7	REMOVE EXISTING CONTROLLER CABINET "A" 9+97 ~ 49' RT
8	REMOVE EXISTING STAND ALONE ADVANCE EMERGENCY VEHICLE DETECTOR #721 AND CABLE FROM PUD POLE #620324 - 155693 ~ SR 166, MP 3.25 +/-. (NEAR BRUCE TITUS AUTO DEALERSHIP)
9	SIGNAL EQUIPMENT TO BE SALVAGED INCLUDE THE CONTROLLER CABINET AND ITS EQUIPMENT, PED POLES #3, #4, #5, #6; ALL PED & SIGNAL HEADS, AND TERMINAL CABINET. CONTACT THE OLYMPIC REGION SIGNAL SHOP (360 357-2669) 48 HOURS PRIOR TO DELIVERY. SEE SPECIAL PROVISIONS FOR ADDRESS AND DETAILS.
GENERAL NOTE: ALL VOIDS FROM REMOVALS SHALL BE FILLED WITH GRANULAR MATERIAL AND COMPACTED IN ACCORDANCE WITH SECTION 2-09.3(1)E.	



TRAFFIC SIGNAL SYSTEM SCB 1121
SR166 /BAY ST. E/ MAPLE AVE.

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CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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

JOB NUMBER 21C509

CONTRACT NO.

LOCATION NO. XL6283

P.E. STAMP BOX DATE

MELISSA JOANNE MIES STATE OF WASHINGTON 21019083 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SIGNAL REMOVAL PLAN

PLAN REF NO SG1

SHEET 44 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_SG1.dgn

SIGN REMOVAL SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC. (or MP)	SIGN SIZE X	SIGN SIZE Y	POST MATERIAL	POST SIZE	# OF POSTS	REMARKS
SN1-R1									INTENTIONALLY OMITTED
SN1-R2	R1-2	YIELD	SR166 49+12 LT	36"	36"	WOOD	4x4	1	
SN1-R3	R5-1	DO NOT ENTER	SR166 49+37 LT	30"	30"	WOOD	4x4	1	
SN1-R4	R1-2	YIELD	B 10+46 LT	36"	36"	WOOD	4x4	1	
SN1-R5	D3-302	CROSSROAD NAME SIGN W/CHEVRON	B 10+54 LT	48"	40"	STEEL	2.5" SQ.	1	
SN1-R6	R3-7R	RIGHT LANE MUST TURN RIGHT	SR166 50+80 LT	30"	30"	WOOD	4x4	1	
SN1-R7	D1-201	2 DESTINATIONS W/ ARROWS	SR166 52+20 LT	48"	40"	STEEL	2.5" SQ.	1	
SN1-R8	D1-101	1 DESTINATION W/ ARROW	SR166 50+21 LT	48"	12"	MAST ARM			REMOVE ALL MOUNTING HARDWARE
SN1-R9	D1-201	2 DESTINATIONS W/ ARROWS	SR166 50+24 RT	60"	36"	SIG STD			REMOVE ALL MOUNTING HARDWARE
SN1-R10	D1-101	1 DESTINATION W/ ARROW	SR166 50+30 RT	48"	12"	MAST ARM			REMOVE ALL MOUNTING HARDWARE
SN1-R11	R10-12	LEFT TURN YIELD ON GREEN BALL	SR166 50+21 RT	24"	30"	MAST ARM			REMOVE ALL MOUNTING HARDWARE
SN1-R12	D1-201	2 DESTINATIONS W/ ARROWS	SR166 50+21 LT	48"	24"	MAST ARM			REMOVE ALL MOUNTING HARDWARE
SN1-L1	R2-1	SPEED LIMIT	SR166 48+22 LT	24"	30"	STEEL	2.5" SQ.	1	REMOVE POST ONLY. RELOCATE SIGN TO NEW POST ABOVE SIGN SN2-5.
SN1-L2	I3-101MOD	STREAM NAME SIGN	SR166 48+49 RT	24"	24"	WOOD	4x4	1	REMOVE POST AND FOUNDATION ONLY, RELOCATE SIGN BELOW SIGN SN2-6.

GENERAL NOTES:

SIGN NUMBERS ABOVE ARE LISTED AS "SHEET NUMBER - SIGN NUMBER (ON THAT SHEET)".
FOR ALL CODE REFERENCES AND STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL.
ALL CEMENT CONCRETE FOUNDATIONS AND SIGN SUPPORTS SHALL BE REMOVED IN THEIR ENTIRETY, UNLESS OTHERWISE NOTED.
THE FOLLOWING ARE LISTED AFTER STATION LOCATION; RT = RIGHT, LT = LEFT, AND M=MEDIAN.

SIGN INSTALLATION SPECIFICATIONS

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC.	SIGN SIZE X	SIGN SIZE Y	SHEETING TYPE	LETTER SIZE OR CODE	POST MATERIAL	POST SIZE	POST LENGTH H1	POST LENGTH H2			CLEARANCE V	CLEARANCE W	REMARKS
SN2-1	W2-6P	ROUNDABOUT AHEAD PLAQUE	SR166 46+72 RT	36"	18"	IV	STANDARD									MOUNT ABOVE SIGN SN2-2
SN2-2	W2-6	ROUNDABOUT AHEAD (SYMBOL)	SR166 46+72 RT	36"	36"	IV		STEEL	3" SQ.	14'				7'	10'	SEE NOTE 3
SN2-3	W13-1	MPH (15)	SR166 46+72 RT	24"	24"	IV	STANDARD									MOUNT BELOW SIGN SN2-2
SN2-4																INTENTIONALLY OMITTED
SN2-5	M1-701	STATE ROUTE (WEST 166)	SR166 48+22 LT	24"	36"	IV	STANDARD	STEEL	2.5" SQ.	15'				7'	12'	USE EXISTING ST-4 SUPPORT WITH NEW POST
SN2-6	D1-801	APPROACH DIRECTIONAL SIGN - 2 DESTINATIONS	SR166 48+50 RT	60"	48"	IV	SEE DETAIL	STEEL	2.5" SQ.	11'	11'			7'	16'	SEE NOTE 1
SN2-7	W11-2	ADVANCE PEDESTRIAN CROSSING	SR166 49+05 LT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	12'				7'	10'	
SN2-8	W16-7PL	DIAGONAL DOWNWARD ARROW 135 PLAQUE (LEFT)	SR166 49+05 LT	30"	18"	IV										MOUNT BELOW SIGN SN2-7
SN2-9	R1-2	YIELD	SR166 49+11 LT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	12'				8'	9'	
SN2-10	R3-5R	RIGHT ONLY ARROW	SR166 49+11 LT	30"	36"	IV										MOUNT BELOW SIGN SN2-9
SN2-11	W11-2	ADVANCE PEDESTRIAN	SR166 49+09 RT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	13.0'				8'	18'	
SN2-12	W16-7PL	DIAGONAL DOWNWARD	SR166 49+09 RT	30"	18"	IV										MOUNT BELOW SIGN SN2-11
SN2-13	R1-2	YIELD	SR166 49+38 M	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'		SEE NOTE 4
SN2-14	R6-5P	ROUNDABOUT CIRCULATION	SR166 49+38 M	30"	30"	IV										MOUNT BELOW SIGN SN2-13
SN2-15	R5-1	DO NOT ENTER	SR166 49+38 LT	30"	30"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'		SEE NOTE 4
SN2-16	R1-2	YIELD	SR166 49+48 RT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	12'				8'	14'	
SN2-17	R6-5P	ROUNDABOUT CIRCULATION	SR166 49+48 RT	30"	30"	IV										MOUNT BELOW SIGN SN2-16
SN2-18	R1-2	YIELD	B 10+50 LT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	12'				8'	18'	
SN2-19	R6-5P	ROUNDABOUT CIRCULATION	B 10+50 LT	30"	30"	IV										MOUNT BELOW SIGN SN2-18
SN2-20	W11-2	ADVANCE PEDESTRIAN	B 10+85 LT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	13'				8'	18'	
SN2-21	W16-7PL	DIAGONAL DOWNWARD ARROW 135 PLAQUE (LEFT)	B 10+85 LT	30"	18"	IV										MOUNT BELOW SIGN SN2-20
SN2-22	D1-801	APPROACH DIRECTIONAL SIGN - 2 DESTINATIONS	B 11+28 LT	60"	60"	IV	SEE DETAIL	STEEL	2.5" SQ.	12'	12'			7'	15'	SEE NOTE 2
SN2-23	W2-6P	ROUNDABOUT AHEAD PLAQUE	B 11+95 LT	36"	18"	IV	STANDARD									MOUNT ABOVE SIGN SN2-24
SN2-24	W2-6	ROUNDABOUT AHEAD (SYMBOL)	B 11+95 LT	36"	36"	IV		STEEL	3" SQ.	14'				7'	8'	SEE NOTE 3
SN2-25	W13-1	MPH (15)	B 11+95 LT	24"	24"	IV	STANDARD									MOUNT BELOW SIGN SN2-24
SN2-26	R1-2	YIELD	B 10+54 M	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'		SEE NOTE 4
SN2-27	R6-5P	ROUNDABOUT CIRCULATION	B 10+54 M	30"	30"	IV										MOUNT BELOW SIGN SN2-26
SN2-28	W11-2	ADVANCE PEDESTRIAN CROSSING	B 10+67 RT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	13'				8'	13'	
SN2-29	W16-7PL	DIAGONAL DOWNWARD	B 10+67 RT	30"	18"	IV										MOUNT BELOW SIGN SN2-28
SN2-30	R1-2	YIELD	SR166 50+53 M	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'		SEE NOTE 4

GENERAL NOTES:

SIGN NUMBERS ABOVE ARE LISTED AS "SHEET NUMBER - SIGN NUMBER (ON THAT SHEET)".
FOR CODE REFERENCES AND STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL UNLESS OTHERWISE NOTED.
USE STEEL SIGN SUPPORT TYPE ST-4 (SEE **STANDARD PLAN G-24.50**), UNLESS OTHERWISE NOTED.
ALL SINGLE POST SIGNS IN WIDTH OF 48" (IN) OR GREATER SHALL HAVE BRACING (SEE **STANDARD PLAN G-50.10**)
THE FOLLOWING ARE LISTED AFTER STATION LOCATION; RT = RIGHT, LT = LEFT, AND M=MEDIAN.

CONSTRUCTION NOTES:

1: USE STEEL SIGN SUPPORT TYPE SB-3A AND 8" TRIANGULAR BASE (SEE **STANDARD PLAN G-24.40**)
2: ADD 7' SLEEVE OF 12 GA. 2 1/4" POST (INSIDE 2 1/2" POST); USE STEEL SIGN SUPPORT TYPE SB-3A AND 8" TRIANGULAR BASE (SEE **STANDARD PLAN G-24.40**)
3: USE 7 GA. 3" SQUARE STEEL POST WITH SB-3A AND 10" TRIANGULAR BASE (**SEE STANDARD PLAN G-24.40**)
4: EDGE OF SIGN SHALL HAVE 2' CLEARANCE TO FACE OF CURB.

SIGN INSTALLATION SPECIFICATIONS

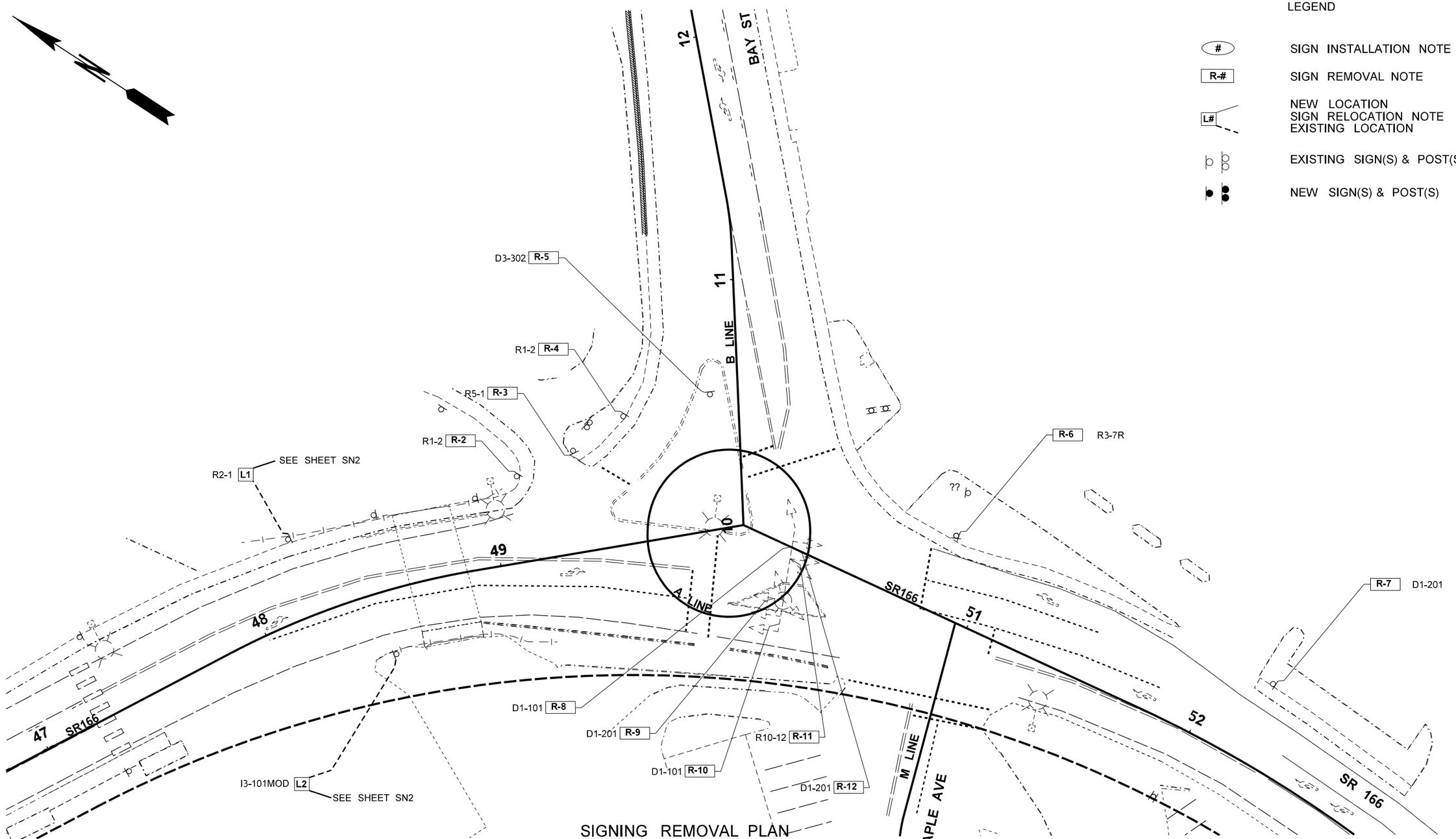
SIGN NO.	SIGN CODE	SIGN DESCRIPTION	STA. LOC.	SIGN SIZE		SHEETING TYPE	LETTER SIZE OR CODE	POST MATERIAL	POST SIZE	POST LENGTH				CLEARANCE		REMARKS
				X	Y					H1	H2	H3	H4	V	W	
SN2-31	R6-5P	ROUNDABOUT CIRCULATION	SR166 50+53 M	30"	30"	IV										MOUNT BELOW SIGN SN2-30
SN2-32	R1-2	YIELD	SR166 50+41 LT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	12'				8'	18'	
SN2-33	R6-5P	ROUNDABOUT CIRCULATION	SR166 50+41 LT	30"	30"	IV										MOUNT BELOW SIGN SN2-32
SN2-34	R1-1	STOP	M 9+68 RT	36"	36"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'	14'	
SN2-35	D1-801	APPROACH DIRECTIONAL SIGN - 2 DESTINATIONS	SR166 51+61 LT	60"	48"	IV	SEE DETAIL	STEEL	2.5" SQ.	11'	11'			7'	9'	SEE NOTE 1
SN2-36	M1-701	STATE ROUTE (EAST 166)	SR166 51+92 RT	24"	36"	IV	STANDARD	STEEL	2.5" SQ.	11'				7'	13'	
SN2-37	W2-6P	ROUNDABOUT AHEAD PLAQUE	SR166 52+38 LT	36"	18"	IV	STANDARD									MOUNT ABOVE SIGN SN2-38
SN2-38	W2-6	ROUNDABOUT AHEAD (SYMBOL)	SR166 52+38 LT	36"	36"	IV		STEEL	3" SQ.	14'				7'	11'	SEE NOTE 3
SN2-39	W13-1	MPH (15)	SR166 52+38 LT	24"	24"	IV	STANDARD									MOUNT BELOW SIGN SN2-38
SN2-L1	R2-1	SPEED LIMIT (25)	SR166 48+22 LT	24"	30"											MOUNT ABOVE SIGN SN2-5
SN2-L2	I3-101MOD	STREAM NAME SIGN	SR166 48+50 RT	24"	24"											MOUNT BELOW SIGN SN2-6

GENERAL NOTES:

SIGN NUMBERS ABOVE ARE LISTED AS "SHEET NUMBER - SIGN NUMBER (ON THAT SHEET)".
FOR CODE REFERENCES AND STANDARD DETAILS SEE WASHINGTON STATE SIGN FABRICATION MANUAL UNLESS OTHERWISE NOTED.
USE STEEL SIGN SUPPORT TYPE ST-4 (SEE **STANDARD PLAN G-24.50**), UNLESS OTHERWISE NOTED.
ALL SINGLE POST SIGNS IN WIDTH OF 48" (IN) OR GREATER SHALL HAVE BRACING (SEE **STANDARD PLAN G-50.10**)
THE FOLLOWING ARE LISTED AFTER STATION LOCATION; RT = RIGHT, LT = LEFT, AND M=MEDIAN.

CONSTRUCTION NOTES:

1: USE STEEL SIGN SUPPORT TYPE SB-3A AND 8" TRIANGULAR BASE (SEE **STANDARD PLAN G-24.40**)
2: ADD 7' SLEEVE OF 12 GA. 2 1/4" POST (INSIDE 2 1/2" POST); USE STEEL SIGN SUPPORT TYPE SB-3A AND 8" TRIANGULAR BASE (SEE **STANDARD PLAN G-24.40**)
3: USE 7 GA. 3" SQUARE STEEL POST WITH SB-3A AND 10" TRIANGULAR BASE (**SEE STANDARD PLAN G-24.40**)
4: EDGE OF SIGN SHALL HAVE 2' CLEARANCE TO FACE OF CURB.



SIGNING REMOVAL PLAN

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TIME	4:59:39 PM				JOB NUMBER 21C509		
DATE	1/19/2023				CONTRACT NO.		LOCATION NO. XL6043
PLOTTED BY	miesm						
DESIGNED BY	W. NASH						
ENTERED BY	W. NASH						
CHECKED BY	M. MIES						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

MELISSA JOANNE MIES STATE OF WASHINGTON 21019083 REGISTERED PROFESSIONAL ENGINEER

SEE SHEET CT1 DATE

P.E. STAMP BOX

Washington State Department of Transportation

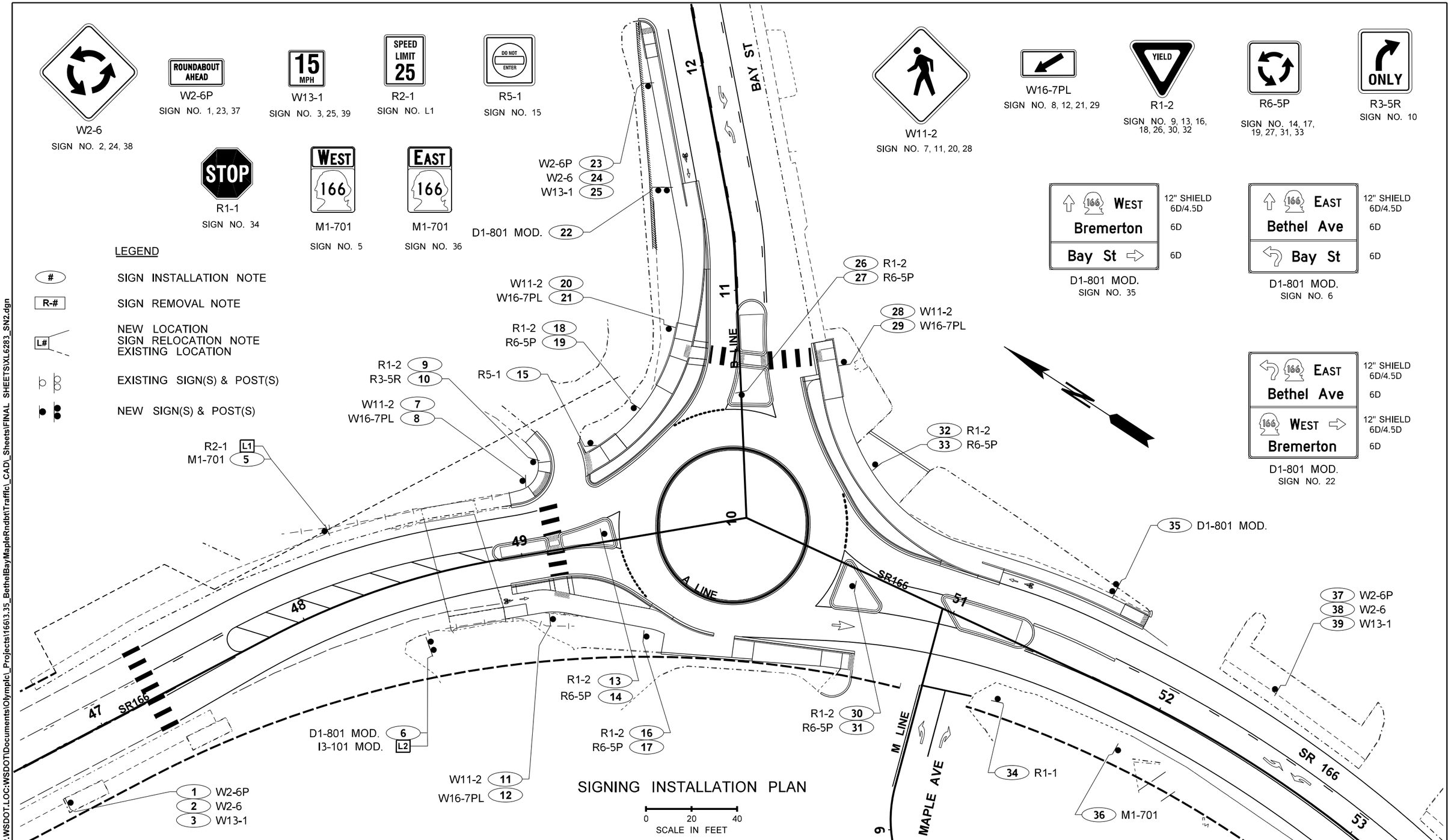
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SIGNING PLAN

PLAN REF NO SN1

SHEET 48 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_SN1.dgn



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DATE	1/19/2023
PLOTTED BY	miesm
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX — DATE

MELISSA JOANNE MIES — STATE OF WASHINGTON — 21019083 — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX — SEE SHEET CT1 — DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

SIGNING PLAN

PLAN REF NO SN2

SHEET 49 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_SN2.dgn

1

W20-1
48" X 48"

SR 166 - "X" 34+71 (RT)
SR 166 - "X" 64+63 (LT)
MAPLE - "M" 14+47 (RT)
BAY - "B" 24+72 (RT)

2

PHONE NUMBER TO BE SUPPLIED BY CN PEO

G24-501
48"X36"

SR 166 - "X" 36+71 (RT)
SR 166 - "X" 62+53 (LT)
BAY - "B" 22+72 (RT)

3

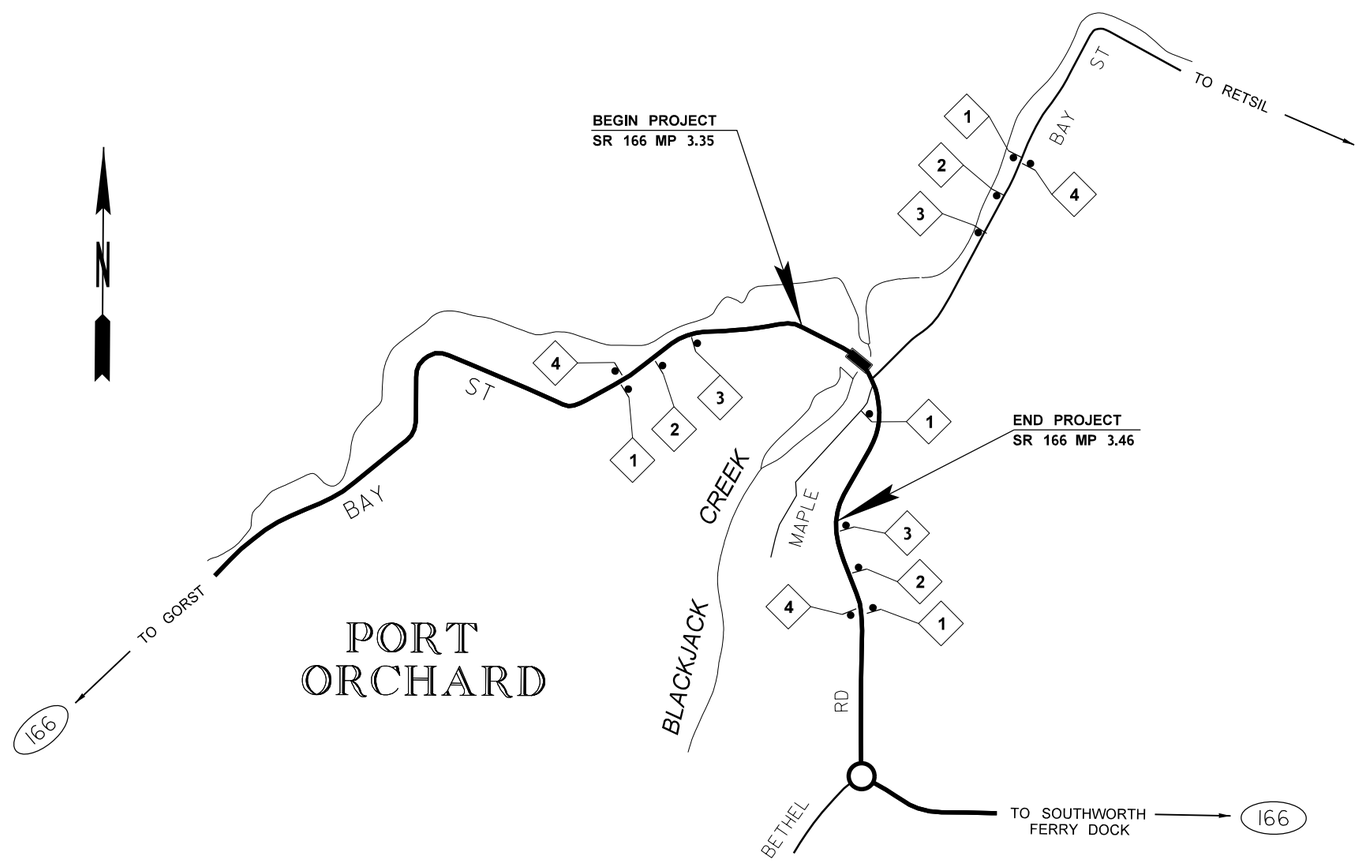
I20-301
48"X60"
BLACK ON
WHITE

SR 166 - "X" 34+71 (RT)
SR 166 - "X" 64+63 (LT)
BAY - "B" 20+72 (RT)

4

G20-2A
48"X24"

SR 166 - "X" 34+71 (LT)
SR 166 - "X" 64+63 (RT)
MAPLE - "M" 14+47 (LT)
BAY - "B" 24+72 (LT)



LEGEND

SIGN LOCATION - POST MOUNT

SIGN NOTE FLAG

ADVANCE CLASS A SIGN PLAN

(NOT TO SCALE)

NOTES

1. SEE STANDARD PLAN K-80.10 FOR CLASS A CONSTRUCTION SIGNING INSTALLATION.
2. ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE SHOWN.
3. ALL CONFLICTING SIGNS SHALL BE COVERED PER STANDARD SPECIFICATION 1-10.3(3)A.

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DATE	1/20/2023						
PLOTTED BY	miesm				JOB NUMBER 21C509		
DESIGNED BY	W. NASH						
ENTERED BY	W. NASH						
CHECKED BY	M. MIES				CONTRACT NO.		LOCATION NO. XL6283
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State
Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

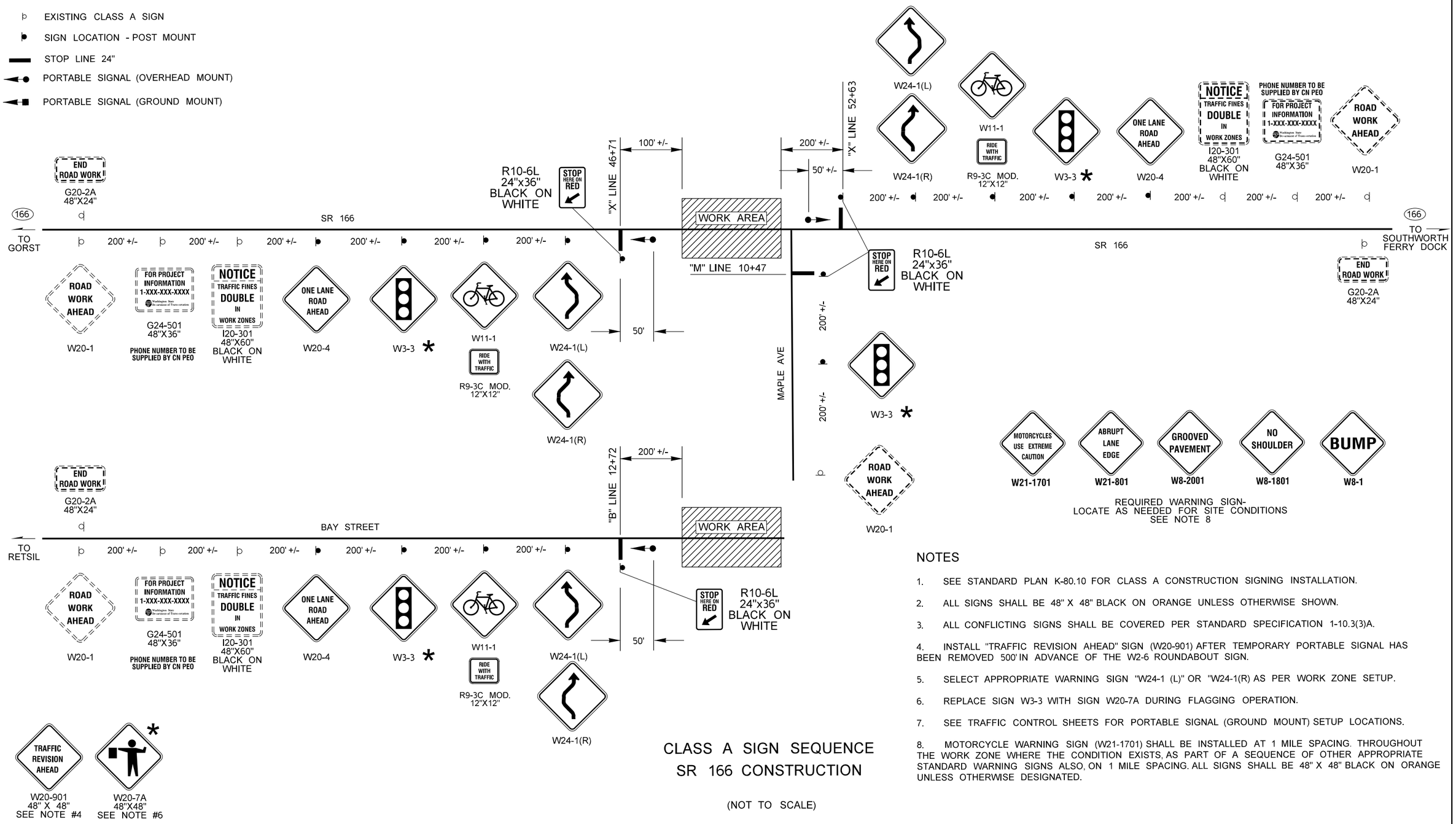
PLAN REF NO
TC1

SHEET 50 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_TC1.dgn

LEGEND

- EXISTING CLASS A SIGN
- SIGN LOCATION - POST MOUNT
- STOP LINE 24"
- PORTABLE SIGNAL (OVERHEAD MOUNT)
- PORTABLE SIGNAL (GROUND MOUNT)



CLASS A SIGN SEQUENCE
SR 166 CONSTRUCTION

(NOT TO SCALE)

NOTES

1. SEE STANDARD PLAN K-80.10 FOR CLASS A CONSTRUCTION SIGNING INSTALLATION.
2. ALL SIGNS SHALL BE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE SHOWN.
3. ALL CONFLICTING SIGNS SHALL BE COVERED PER STANDARD SPECIFICATION 1-10.3(3)A.
4. INSTALL "TRAFFIC REVISION AHEAD" SIGN (W20-901) AFTER TEMPORARY PORTABLE SIGNAL HAS BEEN REMOVED 500' IN ADVANCE OF THE W2-6 ROUNDABOUT SIGN.
5. SELECT APPROPRIATE WARNING SIGN "W24-1 (L)" OR "W24-1(R) AS PER WORK ZONE SETUP.
6. REPLACE SIGN W3-3 WITH SIGN W20-7A DURING FLAGGING OPERATION.
7. SEE TRAFFIC CONTROL SHEETS FOR PORTABLE SIGNAL (GROUND MOUNT) SETUP LOCATIONS.
8. MOTORCYCLE WARNING SIGN (W21-1701) SHALL BE INSTALLED AT 1 MILE SPACING. THROUGHOUT THE WORK ZONE WHERE THE CONDITION EXISTS, AS PART OF A SEQUENCE OF OTHER APPROPRIATE STANDARD WARNING SIGNS ALSO, ON 1 MILE SPACING. ALL SIGNS SHALL BE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

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DATE	1/20/2023			
PLOTTED BY	miesm			
DESIGNED BY	W. NASH			
ENTERED BY	W. NASH			
CHECKED BY	M. MIES			
PROJ. ENGR.	A. AMOS			
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC2

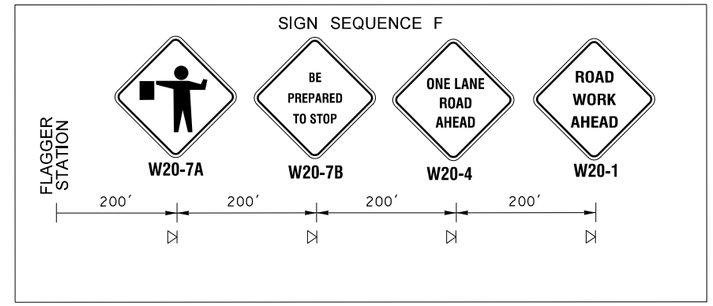
SHEET 51 OF 61 SHEETS

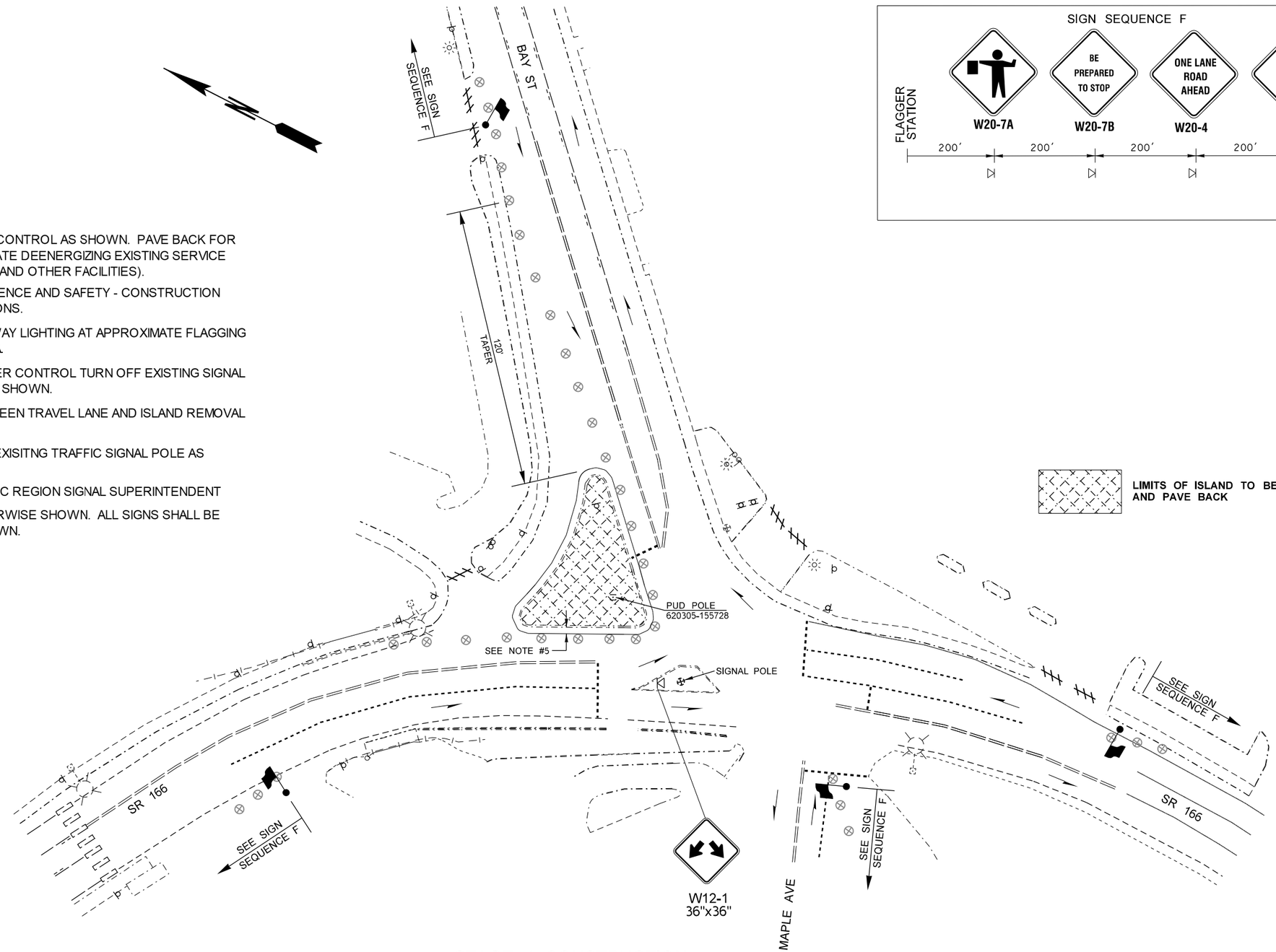
pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_TC2.dgn

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

STAGE 1 CONSTRUCTION NOTES

1. REMOVE TRAFFIC ISLAND UNDER FLAGGER CONTROL AS SHOWN. PAVE BACK FOR STAGE 2 TEMPORARY ALIGNMENTS. COORDINATE DEENERGIZING EXISTING SERVICE WITH PSE. SEE SPECIAL PROVISION (UTILITIES AND OTHER FACILITIES).
2. SEE SPECIAL PROVISIONS: PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC FOR WORK HOUR RESTRICTIONS.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT APPROXIMATE FLAGGING LOCATIONS SHOWN. SEE STD SPEC. 1-10.3(1)A.
4. TO CONTROL INTERSECTION UNDER FLAGGER CONTROL TURN OFF EXISTING SIGNAL SYSTEM. UTILIZE FLAGGER SIGN SEQUENCE AS SHOWN.
5. MAINTAIN 3.0' CLEARANCE (DROP OFF) BETWEEN TRAVEL LANE AND ISLAND REMOVAL (TYPICAL)
6. INSTALL WARNING SIGN W12-1 IN FRONT OF EXISITNG TRAFFIC SIGNAL POLE AS SHOWN.
7. COORDINATE SIGNAL TURNOFF WITH OLYMPIC REGION SIGNAL SUPERINTENDENT
8. ALL SIGNS SHALL BE 48" X 48", UNLESS OTHERWISE SHOWN. ALL SIGNS SHALL BE BLACK ON ORANGE, UNLESS OTHERWISE SHOWN.





LEGEND

- TRAFFIC DIRECTIONAL ARROW
- SIGN LOCATION - CLASS "B"
- TRAFFIC SAFETY DRUM
- TYPE III BARRICADE
- FLAGGING STATION

STAGE 1 CONSTRUCTION

(NOT TO SCALE)

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC3_STAGE 1.dgn

FILE NAME	c:\users\mlesm\pw_wsdot\d0514800\XL6283_TC3_STAGE 1.dgn						
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DATE	1/20/2023						
PLOTTED BY	miesm				JOB NUMBER 21C509		
DESIGNED BY	W. NASH						
ENTERED BY	W. NASH						
CHECKED BY	M. MIES				CONTRACT NO.		LOCATION NO. XL6283
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC3

SHEET 52 OF 61 SHEETS

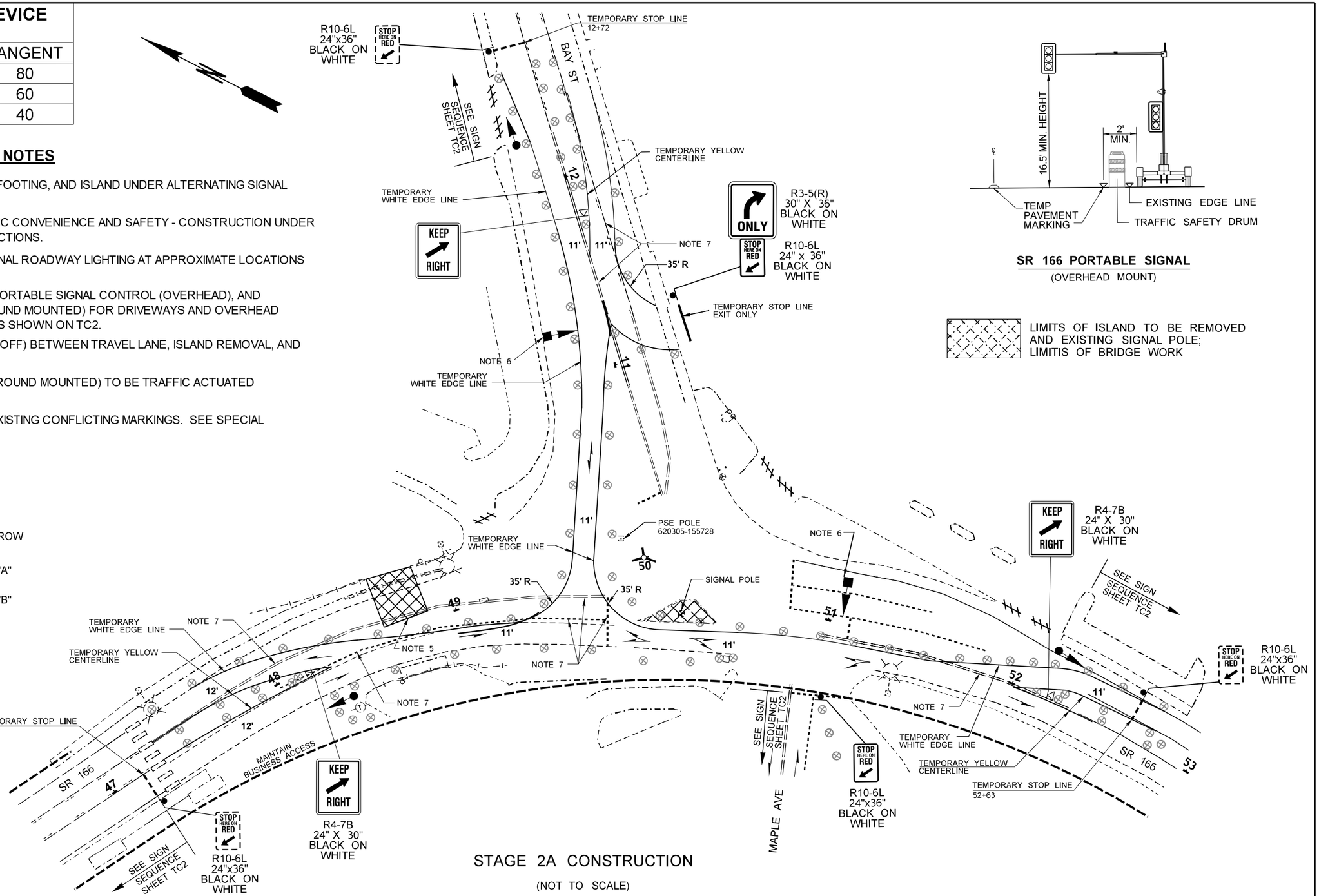
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

STAGE 2A CONSTRUCTION NOTES

1. REMOVE SIGNAL POLE, CABINET FOOTING, AND ISLAND UNDER ALTERNATING SIGNAL CONTROL.
2. SEE SPECIAL PROVISIONS: PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC FOR WORK HOUR RESTRICTIONS.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT APPROXIMATE LOCATIONS SHOWN. SEE STD SPEC. 1-10.3(1)A.
4. CONTROL INTERSECTION WITH PORTABLE SIGNAL CONTROL (OVERHEAD), AND PORTABLE SIGNAL CONTROL (GROUND MOUNTED) FOR DRIVEWAYS AND OVERHEAD MOUNTED. ADD SIGN SEQUENCE AS SHOWN ON TC2.
5. MAINTAIN 3.0' CLEARANCE (DROP OFF) BETWEEN TRAVEL LANE, ISLAND REMOVAL, AND BRIDGE DECK WORK (TYPICAL).
6. PORTABLE SIGNAL CONTROL (GROUND MOUNTED) TO BE TRAFFIC ACTUATED CONTROL.
7. PLACE BLACK TAPE LINE OVER EXISTING CONFLICTING MARKINGS. SEE SPECIAL PROVISIONS 8-23.3(4)

LEGEND

- TRAFFIC DIRECTIONAL ARROW
- SIGN LOCATION - CLASS "A"
- SIGN LOCATION - CLASS "B"
- TRAFFIC SAFETY DRUM
- TYPE III BARRICADE
- PORTABLE SIGNAL OVERHEAD MOUNT
- PORTABLE SIGNAL GROUND MOUNT
- TEMPORARY STOP LINE



STAGE 2A CONSTRUCTION

(NOT TO SCALE)

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC4_STAGE 2A.dgn

FILE NAME	c:\users\nashw\d0514800\XL6283_TC4_STAGE 2A.dgn
TIME	8:50:21 AM
DATE	1/20/2023
PLOTTED BY	nashw
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION	DATE	BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC4

SHEET 53 OF 61 SHEETS

CHANNELIZATION DEVICE SPACING (feet)

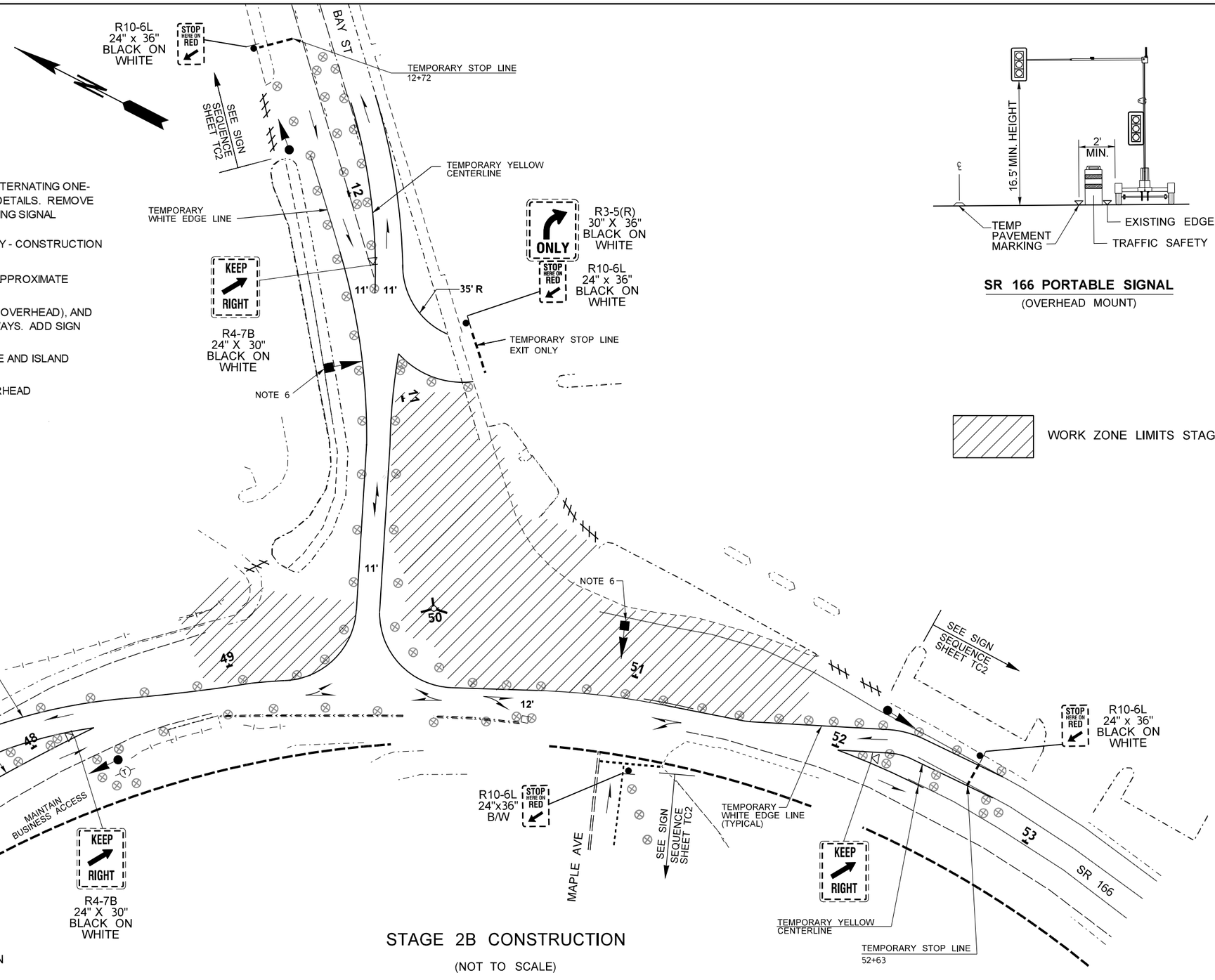
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

STAGE 2B CONSTRUCTION NOTES

1. CONSTRUCT STAGE 2B IMPROVEMENTS AS SHOWN UNDER ALTERNATING ONE-WAY SIGNAL CONTROL. SEE SHEET SG1 FOR SIGNAL REMOVAL DETAILS. REMOVE SIGNAL POLE, CABINET FOOTING, AND ISLAND UNDER ALTERNATING SIGNAL CONTROL.
2. SEE SPECIAL PROVISIONS: PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC FOR WORK HOUR RESTRICTIONS.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT APPROXIMATE LOCATIONS SHOWN. SEE STD SPEC. 1-10.3(1)A.
4. CONTROL INTERSECTION WITH PORTABLE SIGNAL CONTROL (OVERHEAD), AND PORTABLE SIGNAL CONTROL (GROUND MOUNTED) FOR DRIVEWAYS. ADD SIGN SEQUENCE AS SHOWN ON TC2.
5. MAINTAIN 3.0' CLEARANCE (DROP OFF) BETWEEN TRAVEL LANE AND ISLAND REMOVAL (TYPICAL)
6. PORTABLE SIGNAL CONTROL (GROUND MOUNTED) AND (OVERHEAD MOUNTED)TRAFFIC ACTUATED CONTROL.

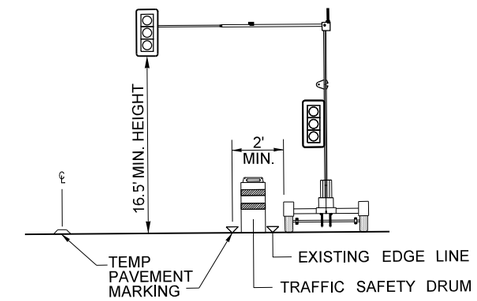
LEGEND

- TRAFFIC DIRECTIONAL ARROW
- SIGN LOCATION - CLASS "A"
- SIGN LOCATION - CLASS "B"
- TRAFFIC SAFETY DRUM
- TYPE III BARRICADE
- PORTABLE SIGNAL OVERHEAD MOUNT
- PORTABLE SIGNAL GROUND MOUNT
- TEMPORARY STOP LINE



STAGE 2B CONSTRUCTION

(NOT TO SCALE)



SR 166 PORTABLE SIGNAL

(OVERHEAD MOUNT)

WORK ZONE LIMITS STAGE 2B

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TIME	10:11:14 AM
DATE	1/20/2023
PLOTTED BY	nashw
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC5

SHEET 54 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC5_STAGE 2B.dgn

CHANNELIZATION DEVICE SPACING (feet)

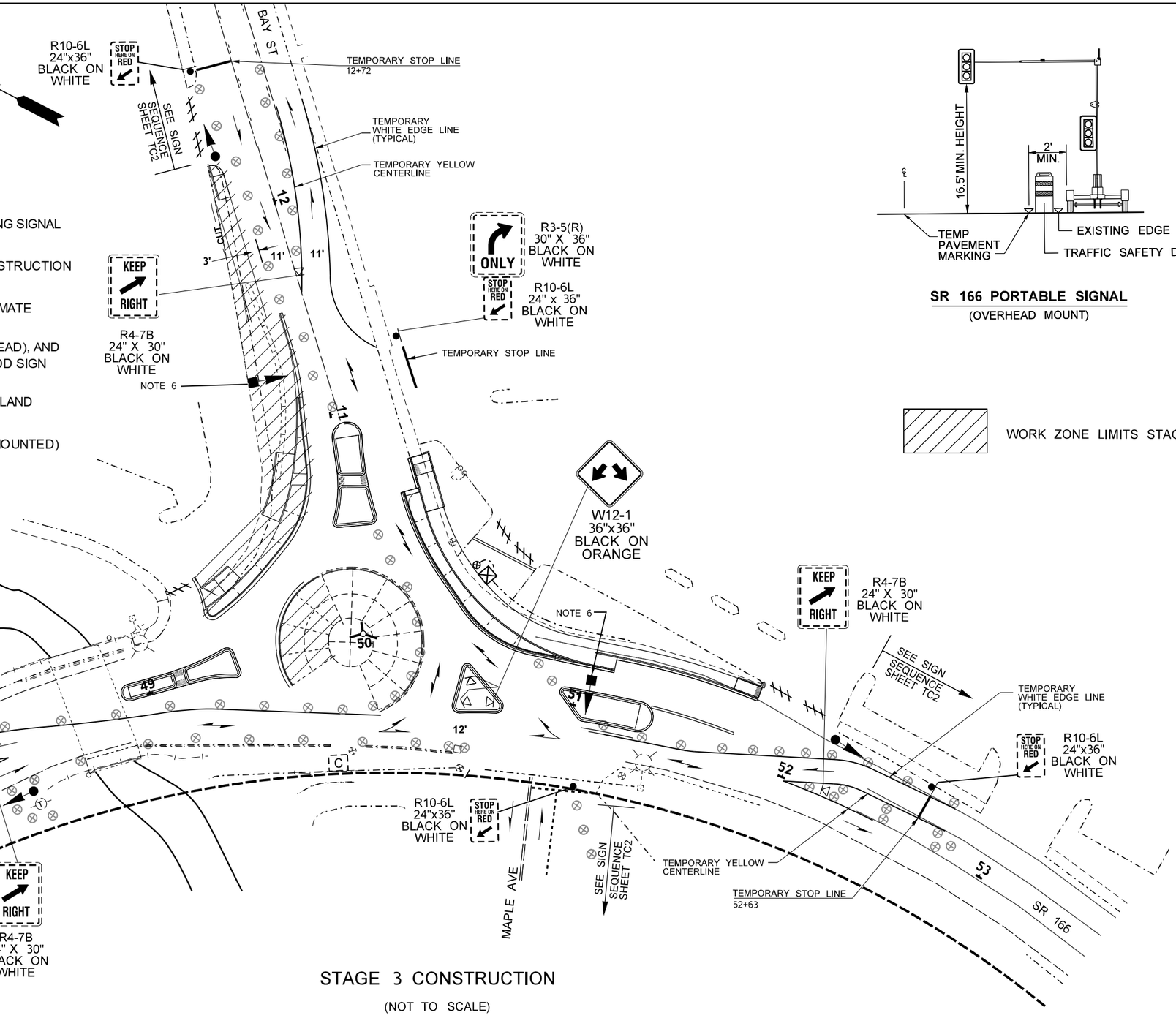
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

STAGE 3 CONSTRUCTION NOTES

1. CONSTRUCT STAGE 3 IMPROVEMENTS AS SHOWN UNDER ALTERNATING SIGNAL CONTROL. SEE SHEET SG1 FOR SIGNAL REMOVAL
2. SEE SPECIAL PROVISIONS: PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC FOR WORK HOUR RESTRICTIONS.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT APPROXIMATE FLAGGING LOCATIONS SHOWN. SEE STD SPEC. 1-10.3(1)A.
4. CONTROL INTERSECTION WITH PORTABLE SIGNAL CONTROL (OVERHEAD), AND PORTABLE SIGNAL CONTROL (GROUND MOUNTED) FOR DRIVEWAYS. ADD SIGN SEQUENCE AS SHOWN ON TC2.
5. MAINTAIN 3.0' CLEARANCE (DROP OFF) BETWEEN TRAVEL LANE AND ISLAND REMOVAL (TYPICAL)
6. PORTABLE SIGNAL CONTROL (GROUND MOUNTED) AND (OVERHEAD MOUNTED) TO BE TRAFFIC ACTUATED CONTROL.

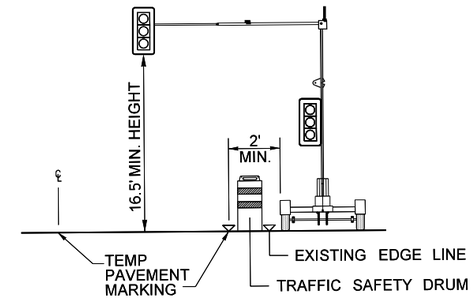
LEGEND

- TRAFFIC DIRECTIONAL ARROW
- SIGN LOCATION - CLASS "A"
- SIGN LOCATION - CLASS "B"
- TRAFFIC SAFETY DRUM
- TYPE III BARRICADE
- PORTABLE SIGNAL OVERHEAD MOUNT
- PORTABLE SIGNAL GROUND MOUNT
- STOP BAR



STAGE 3 CONSTRUCTION

(NOT TO SCALE)



SR 166 PORTABLE SIGNAL

(OVERHEAD MOUNT)

WORK ZONE LIMITS STAGE 3

FILE NAME	c:\users\nashw\d0514800\XL6283_TC6_STAGE 3.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	9:13:34 AM						
DATE	1/20/2023						
PLOTTED BY	nashw				JOB NUMBER 21C509		
DESIGNED BY	W. NASH						
ENTERED BY	W. NASH						
CHECKED BY	M. MIES				CONTRACT NO.		LOCATION NO. XL6283
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC6

SHEET 55 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_TC6_STAGE 3.dgn

CHANNELIZATION DEVICE SPACING (feet)

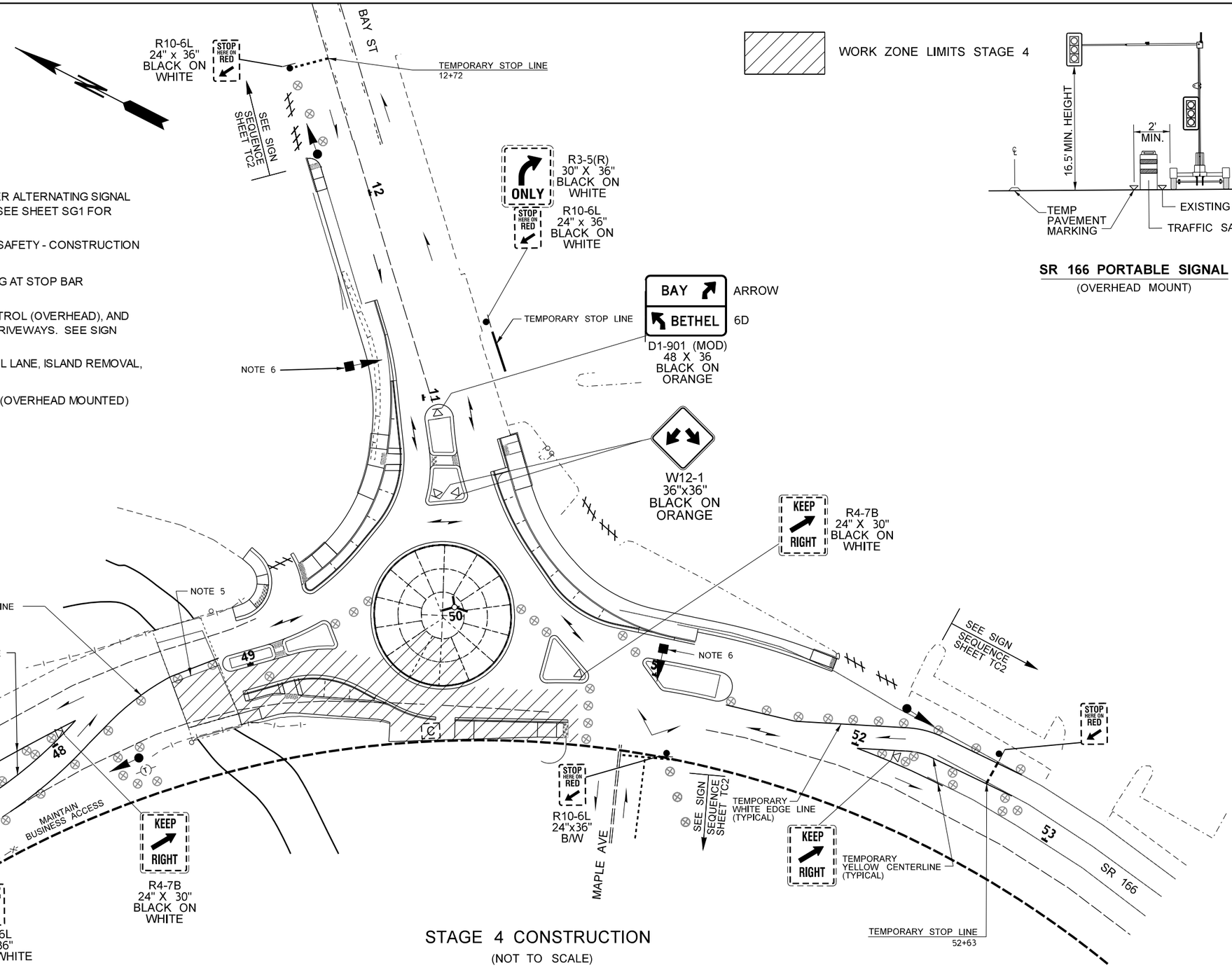
MPH	TAPER	TANGENT
50/65	40	80
35/45	30	60
25/30	20	40

STAGE 4 CONSTRUCTION NOTES

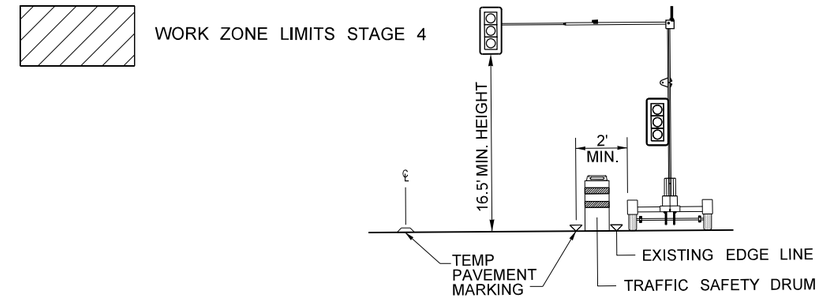
1. CONSTRUCT STAGE 4 IMPROVEMENTS AS SHOWN UNDER ALTERNATING SIGNAL CONTROL. REMOVE CONTROLLER CABINET & FOOTING ; SEE SHEET SG1 FOR SIGNAL REMOVAL
2. SEE SPECIAL PROVISIONS: PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC FOR WORK HOUR RESTRICTIONS.
3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT STOP BAR LOCATIONS SHOWN. SEE STD SPEC. 1-10.3(1)A.
4. CONTROL INTERSECTION WITH PORTABLE SIGNAL CONTROL (OVERHEAD), AND PORTABLE SIGNAL CONTROL (GROUND MOUNTED) FOR DRIVEWAYS. SEE SIGN SEQUENCE AS SHOWN ON TC2.
5. MAINTAIN 3.0' CLEARANCE (DROP OFF) BETWEEN TRAVEL LANE, ISLAND REMOVAL, AND BRIDGE DECK WORK (TYPICAL)
6. PORTABLE SIGNAL CONTROL (GROUND MOUNTED) AND (OVERHEAD MOUNTED) TO BE TRAFFIC ACTUATED CONTROL.

LEGEND

- TRAFFIC DIRECTIONAL ARROW
- SIGN LOCATION - CLASS "A"
- SIGN LOCATION - CLASS "B"
- TRAFFIC SAFETY DRUM
- TYPE III BARRICADE
- PORTABLE SIGNAL OVERHEAD MOUNT
- PORTABLE SIGNAL GROUND MOUNT
- STOP BAR



STAGE 4 CONSTRUCTION
(NOT TO SCALE)



SR 166 PORTABLE SIGNAL
(OVERHEAD MOUNT)

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DATE	1/20/2023					
PLOTTED BY	nashw					
DESIGNED BY	W. NASH					
ENTERED BY	W. NASH					
CHECKED BY	M. MIES					
PROJ. ENGR.	A. AMOS					
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

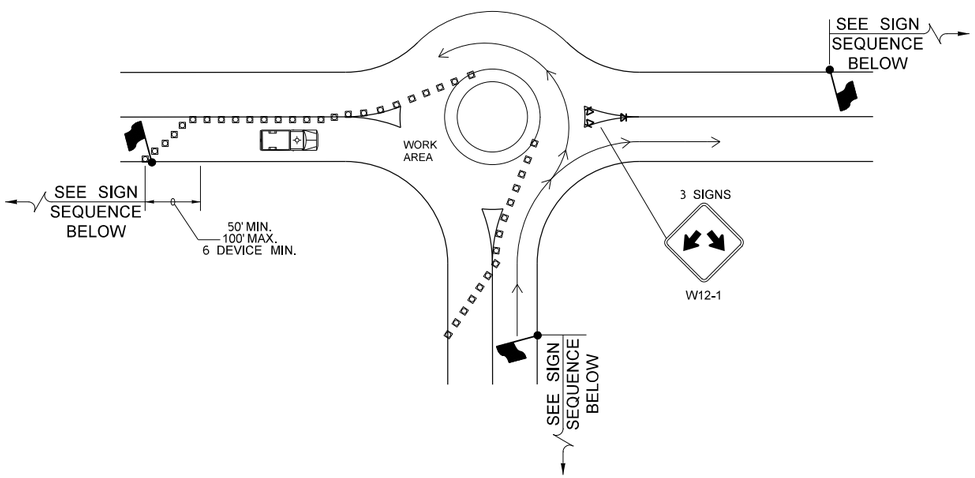
SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

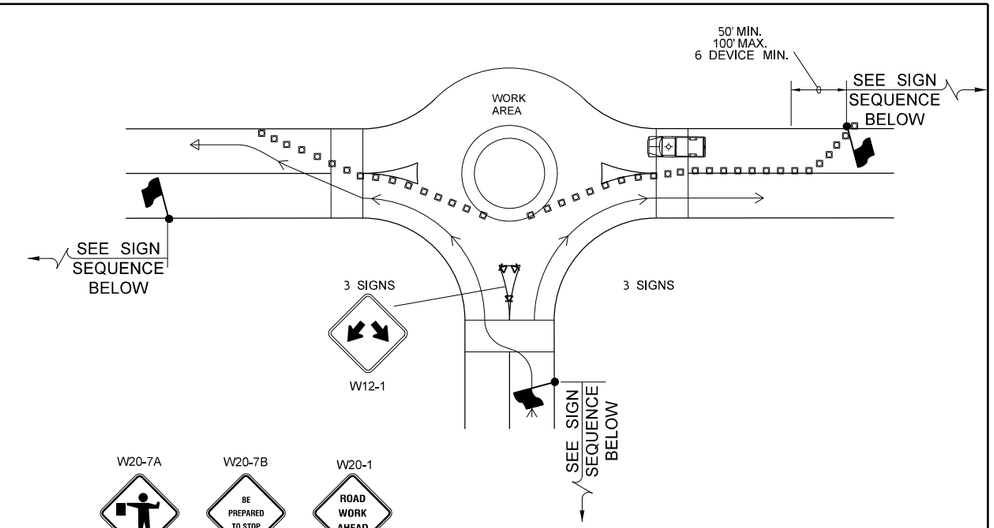
TRAFFIC CONTROL PLAN

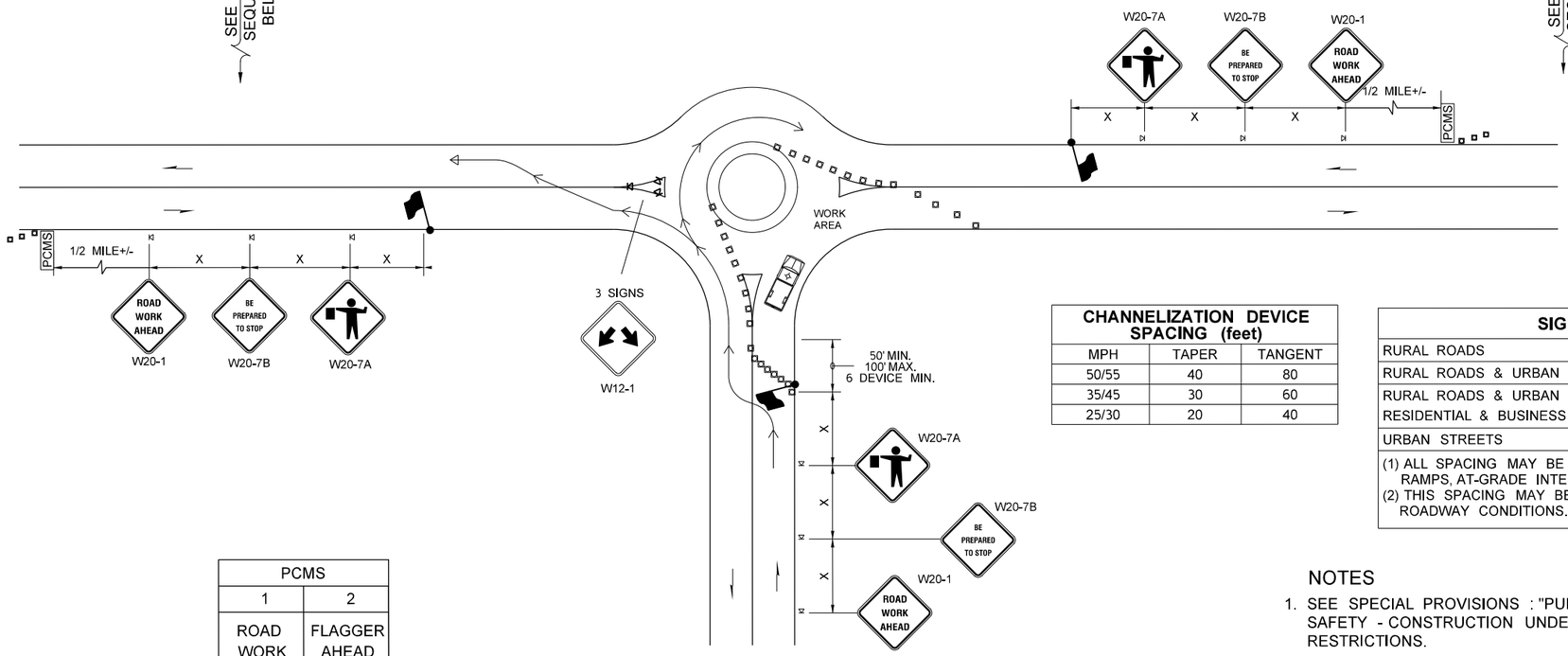
PLAN REF NO TC7

SHEET 56 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC7_STAGE 4.dgn







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

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

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

PCMS	
1	2
ROAD WORK AHEAD	FLAGGER AHEAD
2.0 SEC	2.0 SEC

LOCATE AS SHOWN

LEGEND

- FLAGGING STATION
- SIGN LOCATION - TEMPORARY MOUNT
- TRAFFIC CONES
- PROTECTIVE VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TYPICAL ROUNDABOUT
FLAGGER CONTROLLED
NOT TO SCALE

NOTES

1. SEE SPECIAL PROVISIONS : "PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC" FOR WORK HOUR RESTRICTIONS.
2. ADDITIONAL ROADWAY LIGHTING IS REQUIRED AT STOP BAR FLAGGING STATIONS, SEE STD SPEC. 1-10.3(1)A.
3. EXTEND TRAFFIC CONES TAPER ACROSS SHOULDER.
4. PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE.
5. ALL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE SHOWN. ALL SIGNS SHALL BE BLACK ON ORANGE UNLESS OTHERWISE SHOWN.
6. SEE SHEET TC 9 FOR ADDITIONAL FLAGGING STATION DETAILS.

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DATE	1/20/2023						
PLOTTED BY	nashw				JOB NUMBER		
DESIGNED BY	W. NASH				21C509		
ENTERED BY	W. NASH						
CHECKED BY	M. MIES				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. AMOS						XL6283
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC8

SHEET 57 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_TC8.dgn

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

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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'

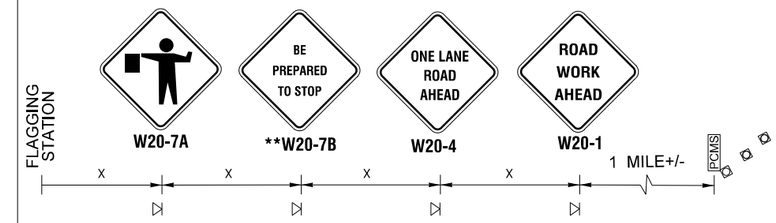
PROTECTIVE VEHICLE (WORK VEHICLE) = R

NO SPECIFIED DISTANCE REQUIRED

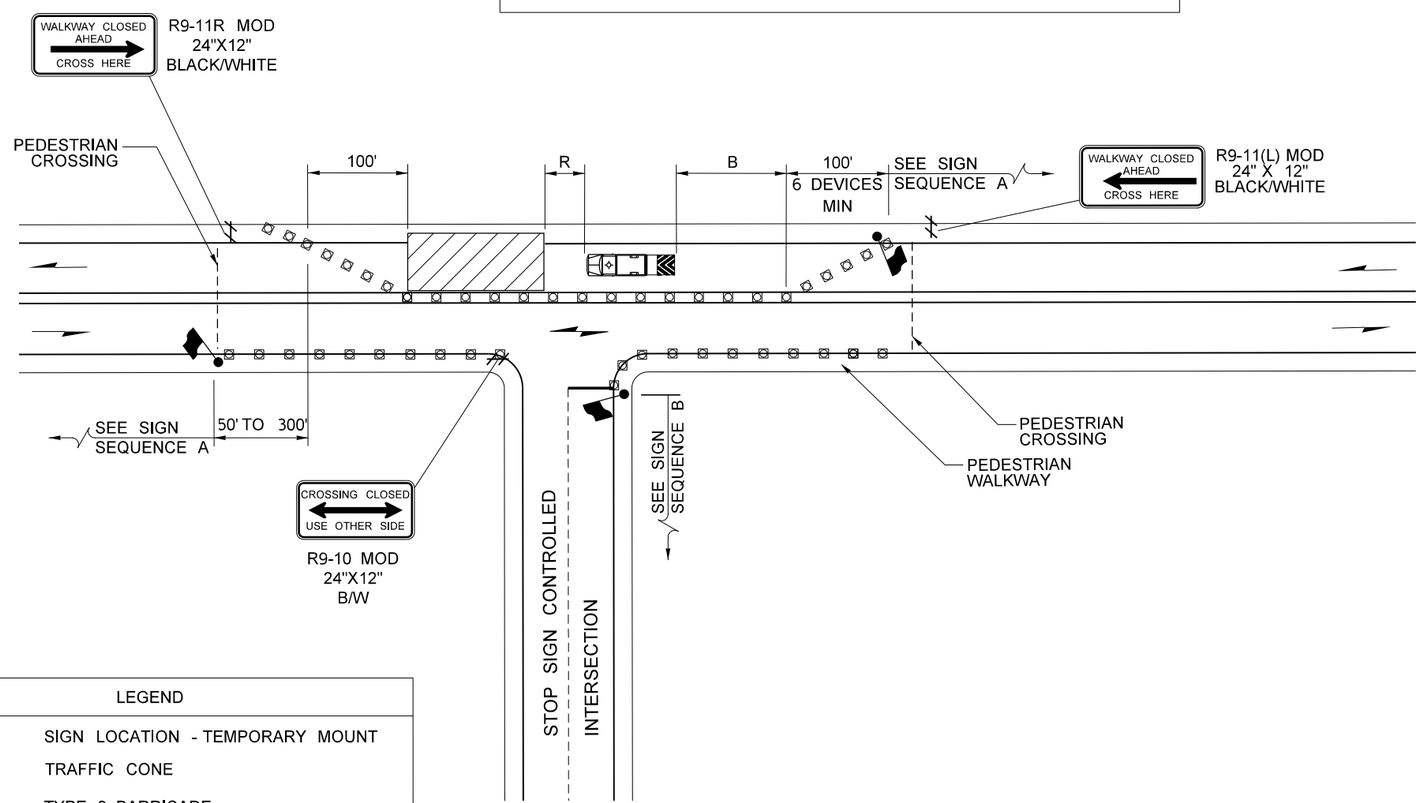
CHANNELIZATION DEVICE SPACING (feet)

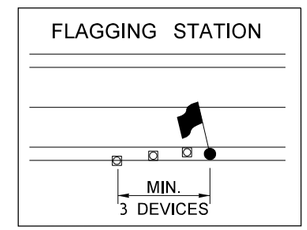
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

SIGN SEQUENCE A OR B*



* SIGN SEQUENCE "B" DOES NOT CONTAIN A PCMS MESSAGE BOARD
** OPTIONAL IF 40 MPH OR LESS





PCMS	
1	2
ROAD WORK AHEAD	BE PREPARED TO STOP
2.0 SEC	2.0 SEC

LOCATE AS SHOWN

LEGEND

- SIGN LOCATION - TEMPORARY MOUNT
- TRAFFIC CONE
- TYPE 2 BARRICADE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- FLAGGING STATION
- PROTECTIVE VEHICLE - ATTENUATOR OPTIONAL FOR SPEEDS 40MPH OR LESS
- WORK AREA

NOTES:

1. SEE SPECIAL PROVISIONS: "PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC" FOR WORK HOUR RESTRICTIONS.
2. ALL SIGNS SHALL BE 48" X 48", UNLESS OTHERWISE SHOWN. ALL SIGNS SHALL BE BLACK ON ORANGE, UNLESS OTHERWISE SHOWN.
3. PROTECTIVE VEHICLE REQUIRED - MAY BE A WORK VEHICLE FOR SPEEDS 40 MPH OR LESS.
4. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
5. EXTEND CHANNELIZING DEVICE TAPER ACROSS SHOULDER.
6. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE SECTION 1-10.3(1)A.
7. WHEN USED, THE DOWNSTREAM TAPER DEVICE SPACING SHALL BE 20' O.C.
8. SEE FLAGGING STATION DETAILS ABOVE.

ALTERNATING ONE-WAY TRAFFIC
FLAGGER CONTROLLED

NOT TO SCALE

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC9.dgn

FILE NAME	c:\users\nashw\d0514800\XL6283_TC9.dgn
TIME	10:10:01 AM
DATE	1/20/2023
PLOTTED BY	nashw
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 21C509		
CONTRACT NO.		LOCATION NO. XL6283

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC9

SHEET 58 OF 61 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'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THAN 8'.										

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

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

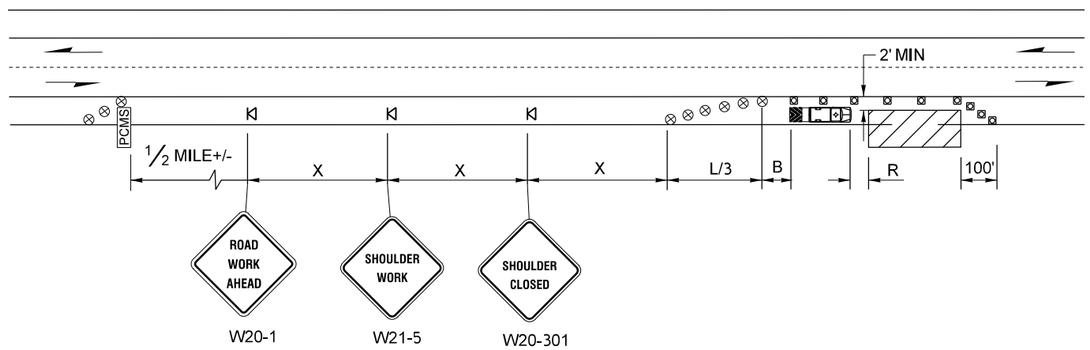
BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	360	425	495	570	645	730

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

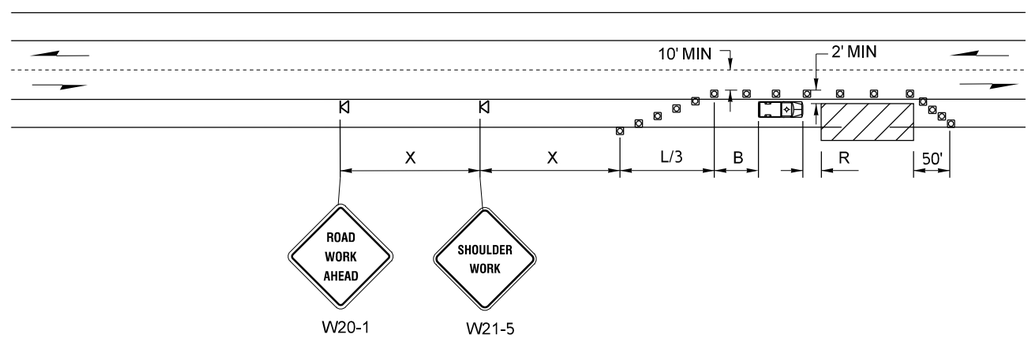
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

PCMS	
1	2
SHOULDER CLOSED AHEAD	1 MILE AHEAD
2.0 SEC	2.0 SEC

LOCATE AS SHOWN



SHOULDER CLOSURE - HIGH SPEED (45 MPH OR GREATER)



SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)

NOT TO SCALE

LEGEND

- SIGN LOCATION - TEMPORARY MOUNT (CLASS "B")
- TRAFFIC CONE
- TRAFFIC SAFETY DRUM
- TRAVEL DIRECTION OF OPEN LANE
- PROTECTIVE VEHICLE - ATTENUATOR OPTIONAL FOR SPEEDS 40MPH OR LESS
- PROTECTIVE VEHICLE
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK AREA

NOTES:

1. SEE SPECIAL PROVISIONS : "PUBLIC CONVENIENCE AND SAFETY - CONSTRUCTION UNDER TRAFFIC" FOR WORK HOUR RESTRICTIONS.
2. ALL SIGNS SHALL BE 48" X 48", UNLESS OTHERWISE SHOWN. ALL SIGNS SHALL BE BLACK ON ORANGE, UNLESS OTHERWISE SHOWN.
3. PROTECTIVE VEHICLE REQUIRED - MAY BE A WORK VEHICLE FOR SPEEDS 40 MPH OR LESS.
4. EXTEND CHANNELIZING DEVICE TAPER ACROSS SHOULDER.
5. PCMS SHALL NOT BE PLACED IN GORE. PCMS SHALL HAVE MINIMUM 4' CLEARANCE TO TRAVELED LANE.
6. DURING HIGH SPEED CLOSURE NO ENCROACHMENT ON TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED USING AN APPROVED PLAN.
7. CLOSURES NEAR INTERSECTIONS SHALL NOT BLOCK SIGHT DISTANCE FOR VEHICLES ENTERING FROM THE SIDE ROAD.

pw:\\HQOLYMAPPPW03P-WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL SHEETS\XL6283_TC10.dgn

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DATE	1/20/2023						
PLOTTED BY	nashw						
DESIGNED BY	W. NASH				JOB NUMBER 21C509		
ENTERED BY	W. NASH						
CHECKED BY	M. MIES				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	A. AMOS						XL6283
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

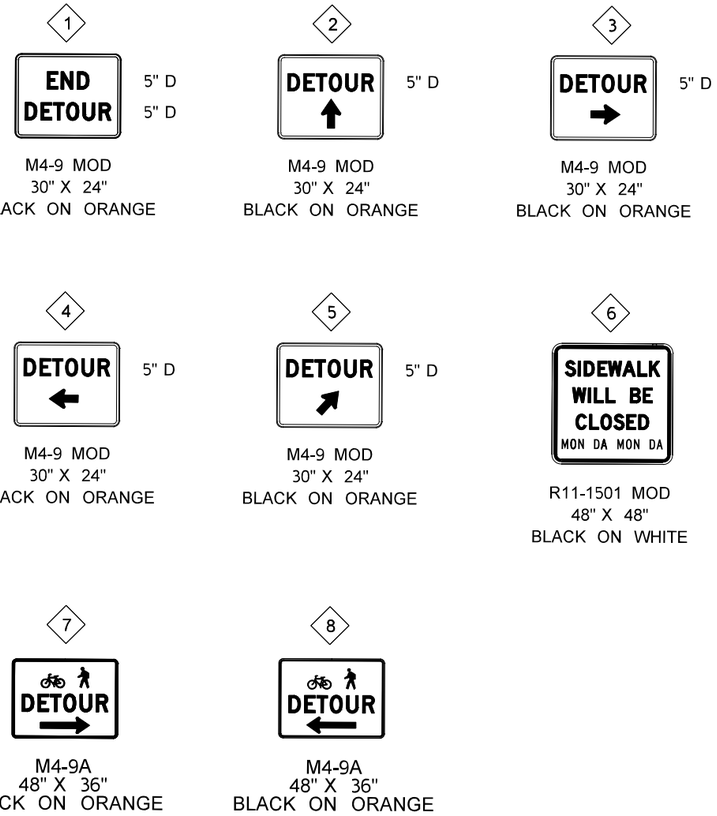
Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

TRAFFIC CONTROL PLAN

PLAN REF NO TC10

SHEET 59 OF 61 SHEETS



DETAIL A

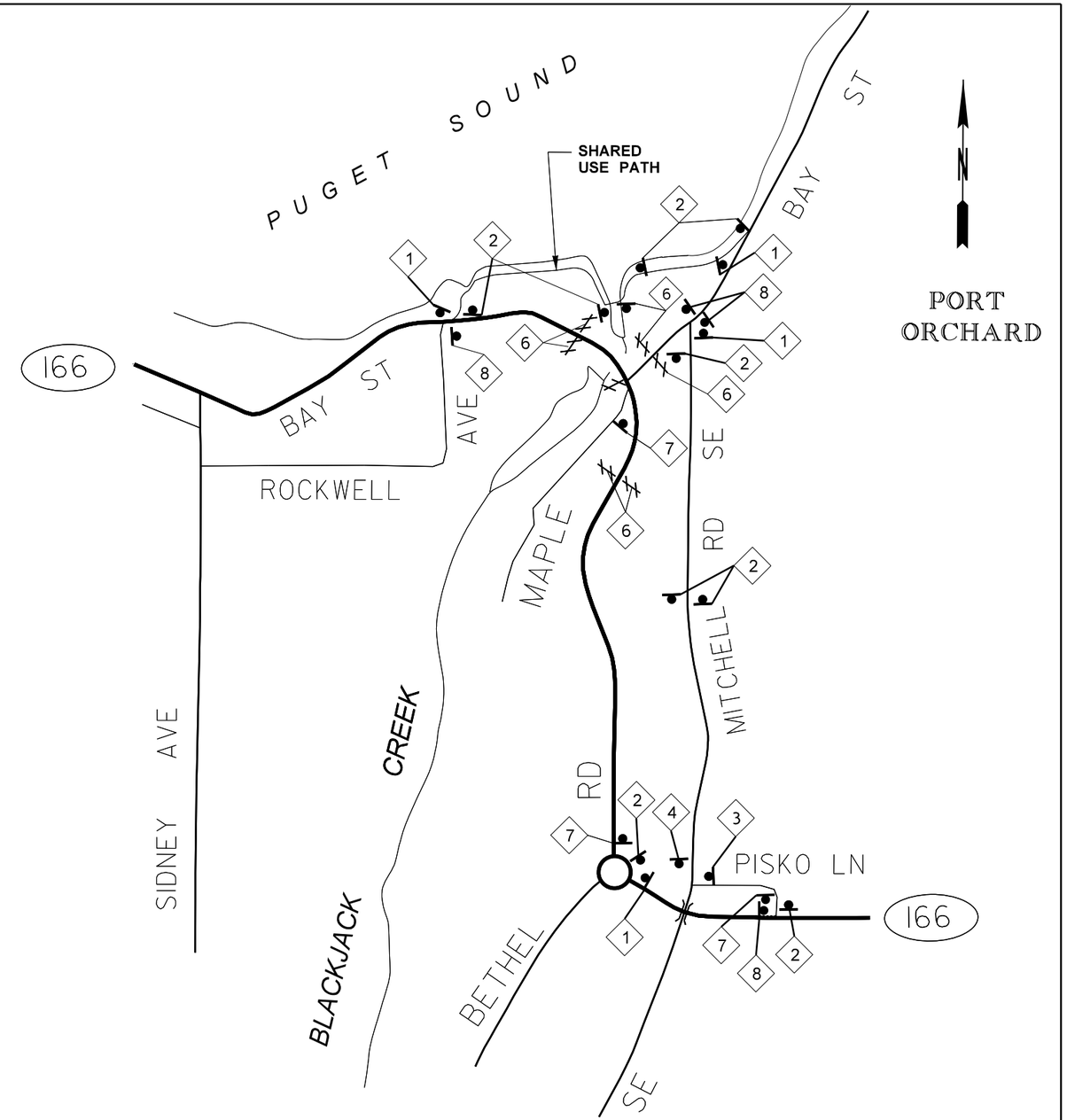
R11-1501 MOD
48" X 48"
BLACK ON WHITE

NOTES

1. SHALL BE INSTALLED 3 DAYS IN ADVANCE OF SIDEWALK CLOSURE.
2. TYPE 2 BARRICADE SHALL BE PLACED AT THE BACK OF SIDEWALK AND SHALL NOT OBSTRUCT THE PEDESTRIAN PATH.

LEGEND

- SIGN LOCATION - POST MOUNT (CLASS "A")
- TRAFFIC SAFETY DRUM
- TYPE II BARRICADE
- SIGN NOTE FLAG



PEDESTRIAN DETOUR

NOT TO SCALE

NOTES

1. SEE STANDARD PLAN K-80.10 FOR CLASS A CONSTRUCTION SIGNING INSTALLATION.
2. INITIATE DETOUR IN STGAE 1 UNTIL ROUNDABOUT IS CONSTRUCTED AND FULLY OPERATIONAL.

FILE NAME	c:\users\mlesm\pw_wsdot\d0514800\XL6283_DU1.dgn
TIME	6:25:51 PM
DATE	1/19/2023
PLOTTED BY	miesm
DESIGNED BY	W. NASH
ENTERED BY	W. NASH
CHECKED BY	M. MIES
PROJ. ENGR.	A. AMOS
REGIONAL ADM.	S. ROARK

REVISION | DATE | BY

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

JOB NUMBER 21C509

CONTRACT NO.

LOCATION NO. XL6283

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

DETOUR PLANS

PLAN REF NO DU1

SHEET 60 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_DU1.dgn

1

HWY 166 TRUCKS PROHIBITED — 5D

FOLLOW DETOUR — 6D

SP1
48"x60"
BLACK/ORANGE

HWY 166 WB - MP 2.45
HWY 166 EB - MP 4.00

2

48" 166 EAST TRUCK DETOUR **60"**

M4-9R MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
22.5"x3.7" Arrow

SIGN LOCATION
100'± FROM I/S
BOTH DIRECTIONS

3

48" 166 EAST TRUCK DETOUR **60"**

M4-9 MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
12"x5.5" Arrow

LOCATE AS SHOWN

4

48" 166 EAST TRUCK DETOUR **60"**

M4-9L MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
22.5"x3.7" Arrow

SIGN LOCATION
100'± FROM I/S
BOTH DIRECTIONS

5

48" 166 WEST TRUCK DETOUR **60"**

M4-9L MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
22.5"x3.7" Arrow

SIGN LOCATION
100'± FROM I/S
BOTH DIRECTIONS

6

48" 166 WEST TRUCK DETOUR **60"**

M4-9 MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
12"x5.5" Arrow

LOCATE AS SHOWN

7

48" 166 WEST TRUCK DETOUR **60"**

M4-9R MOD
12" Shield (B/W)
8C/6C Direction
8D TRUCK DETOUR
22.5"x3.7" Arrow

SIGN LOCATION
100'± FROM I/S
BOTH DIRECTIONS

PCMS	
1	2
HWY 166 NO TRUCKS	TRUCKS FOLLOW DETOUR
2.0 SEC	2.0 SEC

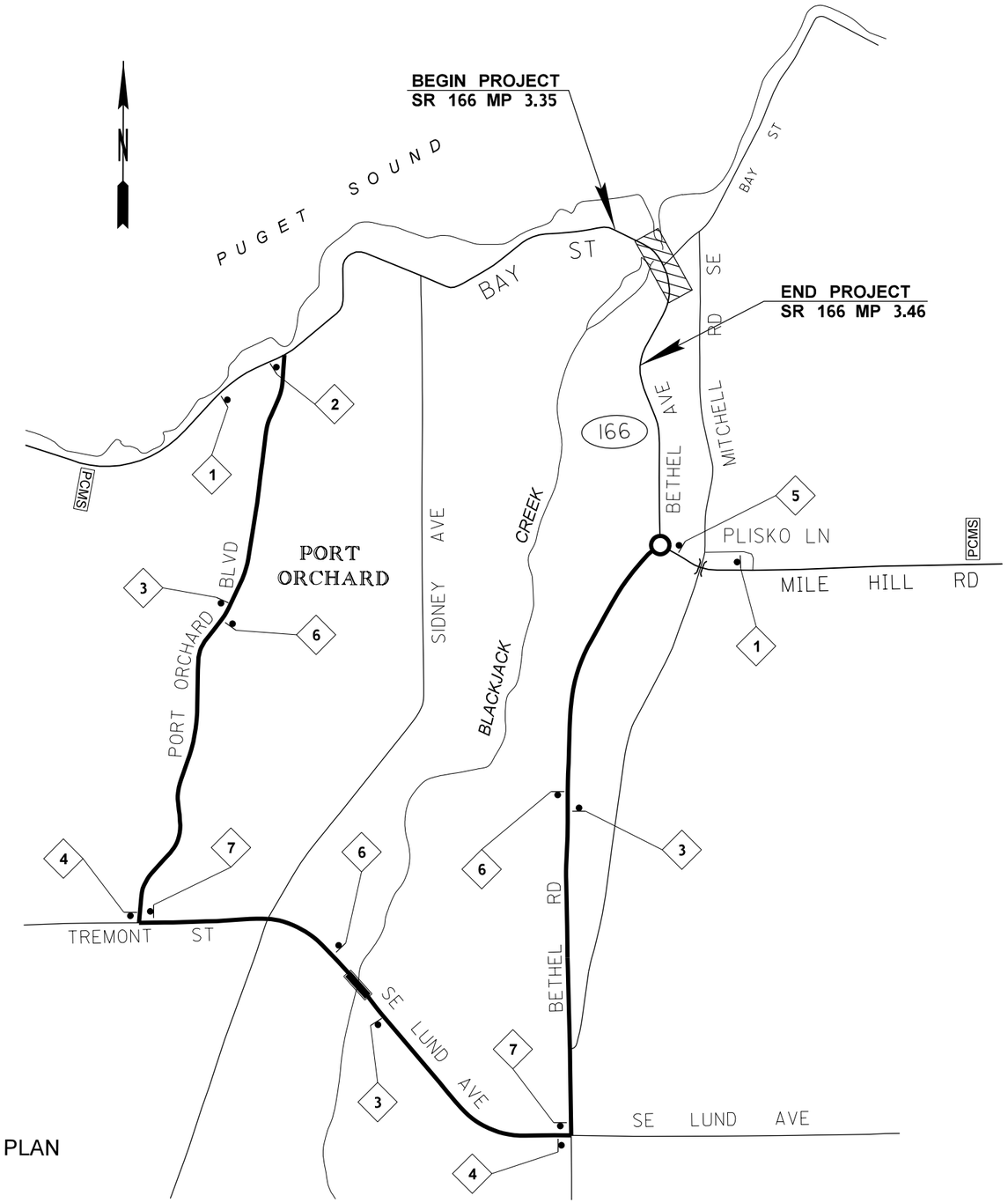
HWY 166 WB - MP 2.10
HWY 166 EB - MP 4.43

NOTES

1. SEE STANDARD PLAN K-80.10 FOR CLASS A CONSTRUCTION SIGNING INSTALLATION.
2. NITIATE DETOUR IN STGAE 1 UNTIL ROUNDABOUT IS CONSTRUCTED AND FULLY OPERATIONAL.

LEGEND

- SIGN LOCATION - POST MOUNT (CLASS "A")
- PCMS — PORTABLE CHANGEABLE MESSAGE SIGN
- WORK AREA
- # — SIGN NOTE FLAG



TRUCK DETOUR PLAN
NOT TO SCALE

FILE NAME	c:\users\mlesm\pw_wsdot\d0514800\XL6283_DU2.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	7:35:37 PM				JOB NUMBER 21C509		
DATE	1/19/2023						
PLOTTED BY	miesm						
DESIGNED BY	W. NASH				CONTRACT NO.		LOCATION NO. XL6283
ENTERED BY	R. DUVENEZ						
CHECKED BY	M. MIES						
PROJ. ENGR.	A. AMOS						
REGIONAL ADM.	S. ROARK	REVISION	DATE	BY			

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 166
BAY ST./BETHEL AVE./MAPLE AVE.
INTERSECTION - ROUNDABOUT

DETOUR PLANS

PLAN REF NO DU2

SHEET 61 OF 61 SHEETS

pw:\\HQOLYMAPPPW03P.WSDOT.LOC:WSDOT\Documents\Olympic_Projects\166\3.35_BethelBayMapleRndbt\Traffic_CAD_Sheets\FINAL_SHEETS\XL6283_DU2.dgn