Washington State Department of Transportation

As Built Cover Sheet

Instructions: Enter all available data. Attach cover sheet to accompanying documentation and submit to:

Department of Transportation
Engineering Records
310 Maple Park Ave SE, Olympia, WA 98501
PO Box 47409, Olympia, WA 98504-7409
E-Mail: recimages@wsdot.wa.gov

General Data

Contract No. 008738	County Spokane	Federal Aid Number STPF-0290(023)
Contract Title Sullivan Rd to Idaho State Line Paving		
Region Eastern	Contractor Name Poe Asphalt	
L No. 004558	Job No./EBASE/PS&E Number 15Z007	
Beginning Township 25N	Beginning Range 44E	Beginning Section 2
Sundry Site No.	Date Work Began (MM/DD/YY) 06/15/2015	Physical Completion Date (MM/DD/YY) 06/14/2016
Project Engineer Bob Hilmes	Region Transportation Engineer Keith Metcalf	

WSF Data

Terminal Name	Vessel Name

Highway Data

SR No. 290	Highway Also Known As Trent Ave	Construction Length 8.03 Mile(s)
Beginning Milepost MP 10.35 ☒ A ☐ B	Ending Milepost MP 18.38 ☐ A ☐ B	

Bridge Data

Bridge No. 290/21 290/21A	Structure ID 0007107A 0007107B

Facilities Data

FCR No.

General Notes / Comments

Date Transmitted to Records Services (MM/DD/YY)	No. of Images/Sheets Processed

Cold In Place Recycle MP 12.9 to 18.38

DOT Form 722-025
Revised 01/2014

8730

AS BUILT

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

Washington State Department of Transportation
Olympia, Washington 98504

Scale: Horiz. 1 inch = feet Vert. 1 inch = feet

MP 10.35 to MP 18.38 Constructed Length 8.03 miles(s)

Contract No. 8738 F.A. No. STPF-0290(023) Contractor POE ASPHALT

Work Begun 6/15/2015 Work Completed 10/9/2015

Project Engineer BOB HOLMES, P.E. Region Administrator KEITH METCALF, P.E.

Approved BOB HOLMES Date 3/10/2015

Secretary of Transportation LYNN PETERSON

Contract Plans

For Construction of:

SR 290 MP 10.35 TO MP 18.38

SULLIVAN RD TO IDAHO STATE LINE PAVING

SPOKANE COUNTY

F.A. PROJECT NO. STPF-0290(023)

Washington State Department of Transportation

INDEX

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11-12	PD1 - PD2	PAVING DETAILS
13	ADA1	ADA RAMP DETAILS
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23-36	PVM1 - PVM14	PAVING / PAVEMENT MARKING PLAN
37	IL1	ILLUMINATION PLAN
38	SD1	SIGNING DETAILS
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55-72	1 - 18	CITY OF SPOKANE VALLEY (COSV) PLANS - SULLIVAN STREET PRESERVATION

INDEX (CONTINUED)

SHEET NO.	PLAN REFERENCE NO.	TITLE

PLAN REFERENCE NO.

SHEET OF SHEETS

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

FOR "AS CONSTRUCTED PLANS" ONLY

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Index_Vicinity.dgn
TIME	9:36:22 AM
DATE	3/2/2015
PLOTTED BY	SpanglB
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER 15Z007 | CONTRACT NO.

FED.AID PROJ.NO. STPF-0290(023)

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

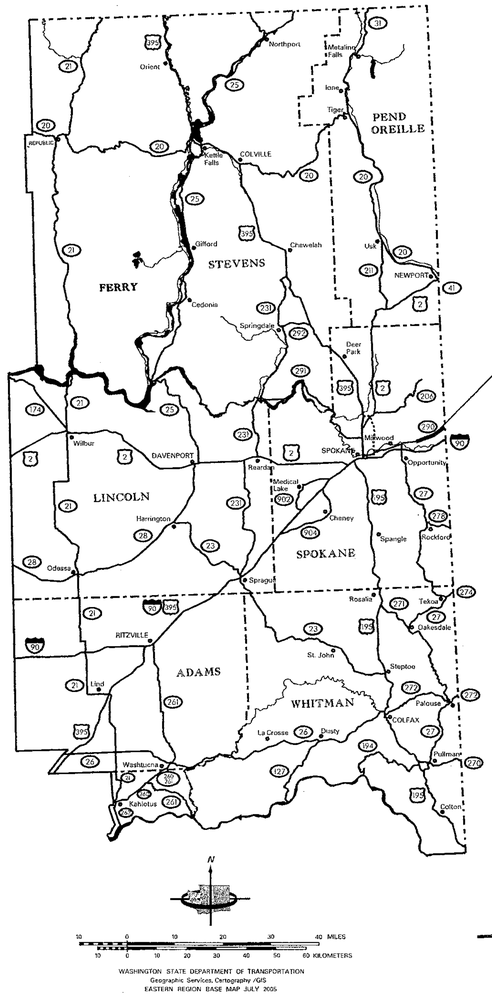
INDEX SHEET

Plot 1

PLAN REF. NO. IN1

SHEET 1 OF 72 SHEETS

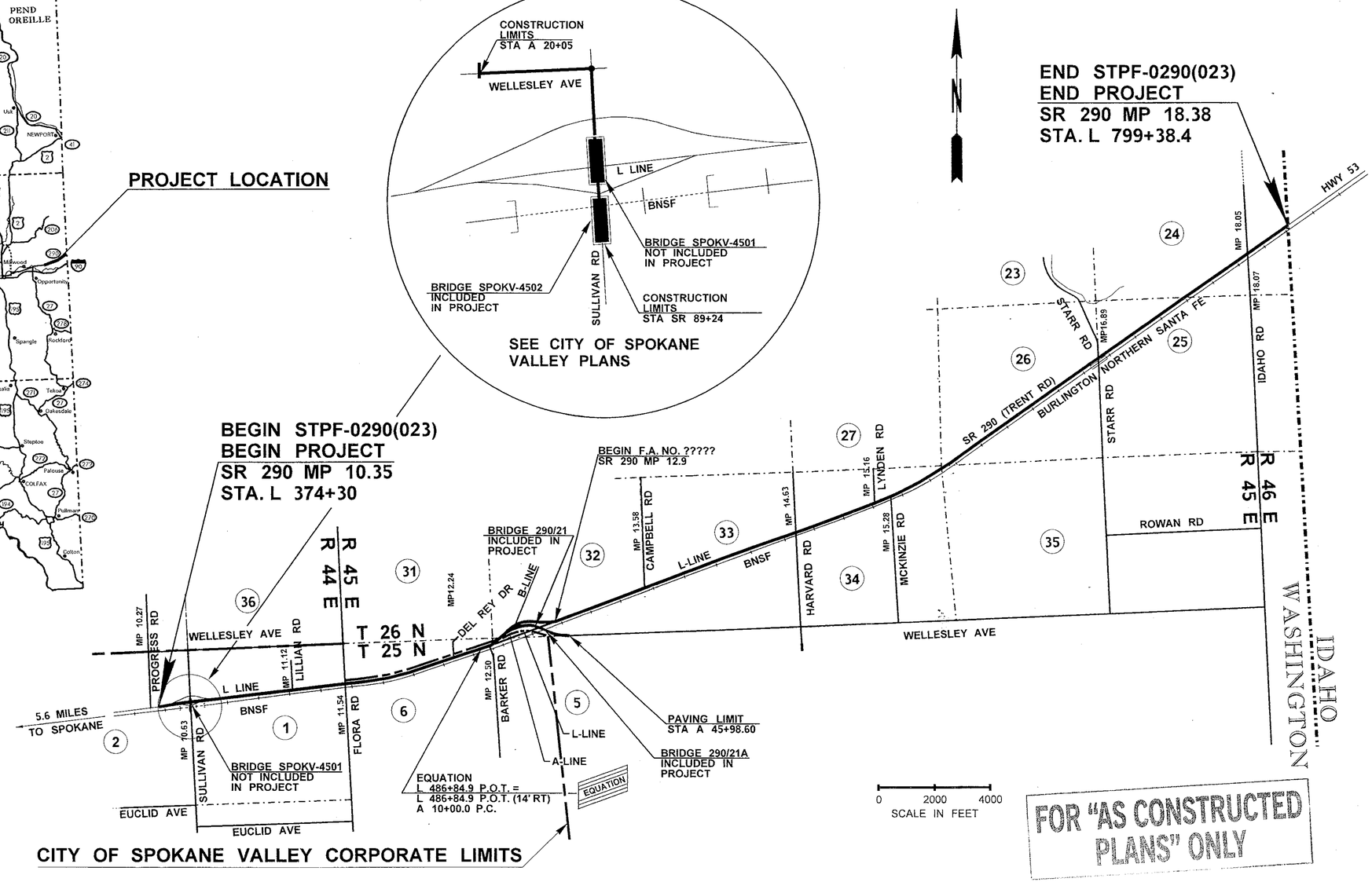
WSDOT EASTERN REGION



PROJECT LOCATION

SPOKANE COUNTY

T. 25N.,T. 26N. R. 44 E., R. 45 E., R 46 E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Index_Vicinity.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	P.E. STAMP BOX DATE	P.E. STAMP BOX DATE
TIME	8:07:12 AM				JOB NUMBER 15Z007			Washington State Department of Transportation	SR 290 SULLIVAN RD TO IDAHO STATE LINE PAVING
DATE	3/2/2015								
PLOTTED BY	RoberCH								
DESIGNED BY	C.ROBERTS				CONTRACT NO.		LOCATION NO. XL4558		VICINITY MAP
ENTERED BY	L.HILL								
CHECKED BY	B.SPANGLE, P.E.								
PROJ. ENGR.	B.HILMES, P.E.								
REGIONAL ADM.	K.METCALF, P.E.	REVISION	DATE	BY					

Plot 2
PLAN REF NO VM1
SHEET 2 OF 72 SHEETS

DOT_RGG900

3/9/2015

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 290 L 374+30 TO L 488+00	GROUP 2 SR 290 L 488+00 TO L 505+95 A&B-LINES	GROUP 3 SR 290 L 505+95 TO L 720+20	GROUP 4 SR 290 SAFETY L 505+95 TO L 720+20	GROUP 5 SR 290 L 720+20 TO L 799+38.4	GROUP 6 SR 290 SAFETY L 720+20 TO L 799+38.4	GROUP 7 COSV SCH A SULLIVAN TRENT TO WELLESLEY	GROUP 8 COSV SCH B SULLIVAN TRENT TO WELLESLEY	GROUP 9 COSV SCH C SULLIVAN TRENT TO WELLESLEY	GROUP 10 REIMBURS. FOR THIRD PARTY DAMAGES
						PREPARATION										
1	LUMP SUM	LUMP SUM	LUMP SUM	0001	L.S.	MOBILIZATION	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.				
2	LUMP SUM	LUMP SUM		0002	L.S.	MOBILIZATION - COSV							L.S.			
3	251.00	251.00			S.Y.	REMOVE CEMENT CONC. SIDEWALK/DRIVEWAY APPROACH - COSV							84.00	167.00		
4	292.00	292.00			L.F.	REMOVE CEMENT CONCRETE CURB AND GUTTER - COSV							86.00	206.00		
5	75.00		75.00	0110	L.F.	REMOVING CEMENT CONC. CURB			75.00							
6	39.00	39.00			L.F.	REMOVE CEMENT CONC. CURB - COSV								39.00		
7	260.00		260.00	0160	L.F.	REMOVING TRAFFIC CURB					260.00					
8	347.00	195.00	152.00	0185	EACH	REMOVING GUIDE POST	149.00	46.00	72.00	40.00	22.00	18.00				
9	1700.00	1700.00		0187	L.F.	REMOVING PAINT LINE	1,500.00	200.00								
10	412.00	412.00			L.F.	REMOVE PAVEMENT MARKINGS							412.00			
11	500.00	237.00	263.00		EACH	REMOVING RECESSESED PAVEMENT MARKER	200.00	37.00		159.00		104.00				
12	2573.00	2573.00			L.F.	SAWCUT ASPHALT CONCRETE PAVEMENT - COSV							877.00	1,696.00		
						GRADING										
13	673.00	673.00		0332	S.Y.	PAVEMENT REPAIR EXCAVATION INCL. HAUL	673.00									
14	31.00	31.00			S.Y.	HMA PATCH REMOVAL - COSV							31.00			
15	186.00	186.00			S.Y.	STORM WATER PATCH REMOVAL - COSV								186.00		
						STORM SEWER										
16	LUMP SUM	LUMP SUM			L.S.	TRENCH EXCAVATION SAFETY SYSTEM - COSV								L.S.		
17	11.00	11.00			EACH	CATCH BASIN TYPE 1 - COSV								11.00		
18	11.00	11.00			EACH	TYPE 4 FRAME AND SOLID COVER - COSV								11.00		
19	106.00	106.00			L.F.	SOLID WALL PVC STORM SEWER PIPE 10 IN. DIAM. - COSV								106.00		
20	11.00	11.00			EACH	SPILL CONTROL SEPARATOR - COSV								11.00		
21	1.00	1.00			EACH	SPILL CONTROL SEPARATOR RETROFIT - COSV								1.00		
22	11.00	11.00			EACH	CONNECTION TO EXISTING DRYWELL - COSV								11.00		
23	2.00	2.00			EACH	REPLACE EXISTING CONE - COSV								2.00		
						SURFACING										
24	130.00	130.00			S.Y.	CRUSHED SURFACING TOP COURSE, 2 IN. DEPTH - COSV							59.00	71.00		
25	227.00	227.00			S.Y.	CRUSHED SURFACING TOP COURSE, 4 IN. DEPTH - COSV							60.00	167.00		
26	217.00	217.00			S.Y.	CRUSHED SURFACING TOP COURSE, 8 IN. DEPTH - COSV							31.00	186.00		
27	11.00		11.00		MI.	BITUMINOUS PLANINGS FOR SHOULDERING			8.00		3.00					
						LIQUID ASPHALT										
28	5.70	5.00	0.70	5340	TON	ASPHALT FOR FOG SEAL	3.00	2.00		0.50		0.20				
29	16.30		16.30		TON	ASPHALT FOR FOG SEAL OF COLD IN PLACE			11.80		4.50					
30	360.00		360.00		TON	ASPHALT EMULSION CIR-EE			223.00		137.00					
						HOT MIX ASPHALT										
31	10500.00	10500.00			L.F.	CRACK SEALING RUBBERIZED SEALANT	6,500.00	4,000.00								
32	99865.00	93800.00	6065.00	5711	S.Y.	PLANING BITUMINOUS PAVEMENT	75,800.00	18,000.00	5,090.00		975.00					
33	1759.00	1759.00			S.Y.	PLANING BITUMINOUS PAVEMENT, 2 IN. DEPTH - COSV							1,759.00			
34	5690.00	5690.00			S.Y.	PLANING BITUMINOUS PAVEMENT, 3/8 IN. DEPTH - COSV							5,690.00			
35	4646.00	4646.00			S.Y.	PLANING BITUMINOUS PAVEMENT, TAPER GRIND - COSV							4,646.00			
36	196.00		196.00		TON	LIME FOR TREATED RECYCLE			122.00		74.00					
37	80500.00		80500.00		S.Y.	COLD IN PLACE RECYCLE			58,500.00		22,000.00					

FOR "AS CONSTRUCTED PLANS" ONLY

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	290	323402	*	FED FUNDS
2	290	323403	*	FED FUNDS
3	290	323406	**	FED FUNDS
4	290	323406	**	FED FUNDS SAFETY
5	290	323430	**	FED FUNDS
6	290	323430	**	FED FUNDS SAFETY
7	000	3200CT	*	CITY SPOK. VALLEY
8	000	3200CT	*	CITY SPOK. VALLEY
9	000	3200CT	*	CITY SPOK. VALLEY
10	290	323402	*	STATE FUNDS

AS-BUILT QUANTITIES FOR INDIVIDUAL UNITBID ITEMS CAN BE OBTAINED FROM FINAL CAPS LEDGER FOR THE PROJECT

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	STPF-0290(023)

JOB NUMBER 15Z007/1

CONTRACT NO 000000

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

SUMMARY OF QUANTITIES

SQ1

SHEET 3 OF 72 SHEETS

DOT_RGG900

3/9/2015

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 290 L 374+30 TO L 488+00	GROUP 2 SR 290 L 488+00 TO L 505+95 A&B-LINES	GROUP 3 SR 290 L 505+95 TO L 720+20	GROUP 4 SR 290 SAFETY L 505+95 TO L 720+20	GROUP 5 SR 290 L 720+20 TO L 799+38.4	GROUP 6 SR 290 SAFETY L 720+20 TO L 799+38.4	GROUP 7 COSV SCH A SULLIVAN TRENT TO WELLESLEY	GROUP 8 COSV SCH B SULLIVAN TRENT TO WELLESLEY	GROUP 9 COSV SCH C SULLIVAN TRENT TO WELLESLEY	GROUP 10 REIMBURS. FOR THIRD PARTY DAMAGES
38	138.00	138.00		5739	TON	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 70-28	138.00									
39	18530.00	6075.00	12455.00	5767	TON	HMA CL. 1/2 IN. PG 70-28	4,230.00	1,845.00	9,115.00		3,340.00					
40	11970.00	11970.00			S.Y.	HMA CL. 1/2 IN. PG 70-28, 0.17 FT. DEPTH - COSV							11,970.00			
41	217.00	217.00			S.Y.	HMA CL. 1/2 IN. PG 70-28, 0.50 FT. DEPTH - COSV							31.00	186.00		
42	3040.00	3040.00			TON	SPS-10 TRIAL SECTION	3,040.00									
43	33354.00	11052.00	22302.00	5830	DOL	JOB MIX COMPLIANCE PRICE ADJUSTMENT	7,614.00	3,438.00	16,290.00		6,012.00					
44	1.00	1.00			DOL	JOB MIX COMPLIANCE PRICE ADJUSTMENT - COSV							1.00			
45	18298.00	7147.00	11151.00	5835	DOL	COMPACTION PRICE ADJUSTMENT	4,924.00	2,223.00	8,145.00		3,006.00					
46	2.00	2.00			DOL	COMPACTION PRICE ADJUSTMENT - COSV							1.00	1.00		
47	43000.00	19000.00	24000.00	5837	DOL	ASPHALT COST PRICE ADJUSTMENT	14,000.00	5,000.00	16,000.00		8,000.00					
48	233.00		233.00	5873	TON	HMA FOR APPROACH CL. 1/2 IN. PG 70-28			173.00		60.00					
49	74814.00	39214.00	35600.00		L.F.	JOINT ADHESIVE FOR BITUMINOUS PAVEMENT	34,014.00	5,200.00	27,000.00		8,600.00					
50	2714.00	2714.00			L.F.	JOINT ADHESIVE - COSV							2,714.00			
51	210.00	210.00		6514	L.F.	LONGITUDINAL JOINT SEAL		210.00								
52	-1.00	-1.00		6516	DOL	CYCLIC DENSITY PRICE ADJUSTMENT	-1.00									
53	43400.00	20000.00	23400.00	6518	DOL	SMOOTHNESS COMPLIANCE ADJUSTMENT	15,000.00	5,000.00	17,000.00		6,400.00					
						IRRIGATION AND WATER DISTRIBUTION										
54	4.00	4.00			EACH	IRRIGATION SYSTEM REVISIONS - COSV								4.00		
						EROSION CONTROL AND ROADSIDE PLANTING										
55	12.00	6.00	6.00	6403	DAY	ESC LEAD	4.00	2.00	2.00	2.00	1.00	1.00				
56	7.00	7.00		6471	EACH	INLET PROTECTION	1.00	6.00								
57	1000.00	500.00	500.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	250.00	250.00	125.00	125.00	125.00	125.00				
58	500.00	500.00			DOL	EROSION CONTROL - COSV							500.00			
59	21.00	21.00			S.Y.	TOPSOIL TYPE C - COSV								21.00		
60	21.00	21.00			S.Y.	SOD INSTALLATION - COSV								21.00		
61	12.00	12.00			S.Y.	BARK MULCH - COSV							6.00	6.00		
						TRAFFIC										
62	36.00	36.00		6700	L.F.	CEMENT CONC. TRAFFIC CURB AND GUTTER	36.00									
63	360.00	360.00			L.F.	CEMENT CONC. TRAFFIC CURB AND GUTTER - COSV							154.00	206.00		
64	39.00	39.00			L.F.	CEMENT CONC. TRAFFIC CURB - COSV								39.00		
65	45.00	45.00		6707	L.F.	CEMENT CONC. PEDESTRIAN CURB	45.00									
66	90.00	90.00			L.F.	CEMENT CONC. PEDESTRIAN CURB - COSV							90.00			
67	260.00		260.00	6727	L.F.	EXTRUDED CURB					260.00					
68	4000.00	1000.00	3000.00	7450	DOL	REPAIR TRANSPORTABLE ATTENUATOR	500.00	500.00	500.00	1,000.00	500.00	1,000.00				
69	489.00	273.00	216.00	6832	EACH	FLEXIBLE GUIDE POST	176.00	97.00	57.00	96.00	31.00	32.00				
70	14.00		14.00		EACH	TUBULAR MARKER					14.00					
71	126209.00	50995.00	75214.00	6806	L.F.	PAINT LINE	36,995.00	14,000.00	35,626.00	17,153.00	15,031.00	7,404.00				
72	6422.00	6422.00			L.F.	PLASTIC LINE - COSV							6,422.00			
73	33625.00	31025.00	2600.00	6813	L.F.	GROOVED PLASTIC LINE	26,335.00	4,690.00				2,600.00				
74	29920.00		29920.00		L.F.	GROOVED PLASTIC LINE - 6"				28,000.00		1,920.00				
75	3600.00		3600.00		L.F.	GROOVED PLASTIC LINE - 8"				1,800.00		1,800.00				
76	1225.00	1225.00		6827	L.F.	PAINTED WIDE LANE LINE	945.00	280.00								
77	719.00	719.00			L.F.	PLASTIC WIDE LANE LINE - COSV							719.00			
78	3240.00	1325.00	1915.00		L.F.	GROOVED PLASTIC WIDE LANE LINE	905.00	420.00		1,225.00		690.00				
79	976.00	976.00			S.F.	GROOVED PLASTIC CROSSWALK LINE	976.00									
80	832.00	832.00			S.F.	GROOVED PLASTIC CROSSWALK LINE - COSV							832.00			

FOR "AS CONSTRUCTED" PLANS ONLY

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	290	323402	*	FED FUNDS
2	290	323403	*	FED FUNDS
3	290	323406	**	FED FUNDS
4	290	323406	**	FED FUNDS SAFETY
5	290	323430	**	FED FUNDS
6	290	323430	**	FED FUNDS SAFETY
7	000	3200CT	*	CITY SPOK. VALLEY
8	000	3200CT	*	CITY SPOK. VALLEY

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
9	000	3200CT	*	CITY SPOK. VALLEY
10	290	323402	*	STATE FUNDS

AS BUILT QUANTITIES FOR INDIVIDUAL LINE BID ITEMS CAN BE OBTAINED FROM FINAL CAPS LEDGER FOR THE PROJECT.

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT. NO.
10	WA	STPF-0290(023)

JOB NUMBER 15Z007/1

CONTRACT NO 000000

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

SUMMARY OF QUANTITIES

SQ2

SUMMARY OF QUANTITIES

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION 1-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION 1-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1 SR 290 L 374+30 TO L 488+00	GROUP 2 SR 290 L 488+00 TO L 505+95 A&B-LINES	GROUP 3 SR 290 L 505+95 TO L 720+20	GROUP 4 SR 290 SAFETY L 505+95 TO L 720+20	GROUP 5 SR 290 L 720+20 TO L 799+38.4	GROUP 6 SR 290 SAFETY L 720+20 TO L 799+38.4	GROUP 7 COSV SCH A SULLIVAN TRENT TO WELLESLEY	GROUP 8 COSV SCH B SULLIVAN TRENT TO WELLESLEY	GROUP 9 COSV SCH C SULLIVAN TRENT TO WELLESLEY	GROUP 10 REIMBURS. FOR THIRD PARTY DAMAGES
81	493.00	175.00	318.00		L.F.	GROOVED PLASTIC STOP LINE	125.00	50.00		266.00		52.00				
82	159.00	159.00			L.F.	GROOVED PLASTIC STOP LINE - COSV							159.00			
83	5.00	5.00			EACH	PLASTIC TRAFFIC ARROW - COSV							5.00			
84	32.00	12.00	20.00		EACH	GROOVED PLASTIC TRAFFIC ARROW	10.00	2.00		16.00		4.00				
85	8.00	8.00			EACH	PLASTIC TRAFFIC LETTER - COSV							8.00			
86	6.00	2.00	4.00		EACH	GROOVED PLASTIC RAILROAD CROSSING SYMBOL		2.00		2.00		2.00				
87	7.00		7.00		EACH	GROOVED PLASTIC TRAFFIC SYMBOL						7.00				
88	5.44		5.44	6893	MI.	CENTERLINE RUMBLE STRIP				4.00		1.44				
89	14.00	5.00	9.00		EACH	SIGN POST REFLECTORS	4.00	1.00		5.00		4.00				
90	LUMP SUM	LUMP SUM			L.S.	SPS-10 TEST SECTION PERMANENT SIGNING	L.S.									
91	4000.00	4000.00			L.F.	TEMPORARY PAVEMENT MARKING SHORT DURATION - COSV							4,000.00			
92	136700.00	75000.00	61700.00	6895	L.F.	TEMPORARY PAVEMENT MARKING-SHORT DURATION	69,000.00	6,000.00	23,000.00	23,000.00	7,850.00	7,850.00				
93	LUMP SUM	LUMP SUM		6904	L.S.	ILLUMINATION SYSTEM - COSV									L.S.	
94	LUMP SUM	LUMP SUM			L.S.	TRAFFIC SIGNAL MODIFICATION - COSV							L.S.			
95	4.00	4.00			EACH	NON-INTRUSIVE VEHICLE DETECTION SENSOR - COSV							4.00			
96	2.00	2.00			EACH	NON-INTRUSIVE VEHICLE DETECTION SENSOR HARDWARE - COSV							2.00			
97	LUMP SUM		LUMP SUM	6914	L.S.	ITS - ELECTRONIC SPEED LIMIT SIGNS				L.S.		L.S.				
98	20.00	20.00			L.F.	CONDUIT PIPE 1-1/2 IN. DIAM. - COSV							20.00			
99	2016.00	2016.00			HR	PORTABLE CHANGEABLE MESSAGE SIGN - COSV							2,016.00			
100	LUMP SUM	LUMP SUM	LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.				
101	LUMP SUM	LUMP SUM			L.S.	PROJECT TEMPORARY TRAFFIC CONTROL - COSV							L.S.			
102	120.00	120.00			HR	FLAGGERS - COSV							120.00			
103	380.00	206.00	174.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	166.00	40.00	28.00	20.00	66.00	60.00				
104	LUMP SUM	LUMP SUM		6869	L.S.	PEDESTRIAN TRAFFIC CONTROL	L.S.									
						OTHER ITEMS										
105	LUMP SUM	LUMP SUM			L.S.	CONSTRUCTION SURVEYING - COSV							L.S.			
106	1.00	1.00			EACH	MONUMENT CASE AND COVER - COSV							1.00			
107	2.00	2.00		7055	S.Y.	CEMENT CONC. SIDEWALK	2.00									
108	193.00	193.00			S.Y.	CEMENT CONC. SIDEWALK - COSV							26.00	167.00		
109	21.00	21.00			S.Y.	CEMENT CONC. CURB RAMP	21.00									
110	2.00	2.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL A - COSV							2.00			
111	2.00	2.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE PARALLEL B - COSV							2.00			
112	3.00	3.00		7058	EACH	CEMENT CONC. CURB RAMP TYPE CUSTOM SDA - COSV							3.00			
113	2.00	2.00		3080	EACH	ADJUST MANHOLE	1.00	1.00								
114	5.00	5.00			EACH	ADJUST MANHOLE - COSV							5.00			
115	2.00	2.00			EACH	ADJUST EXISTING CATCH BASIN OR DRYWELL - COSV							1.00	1.00		
116	7.00	4.00	3.00	6243	EACH	ADJUST VALVE BOX	4.00		3.00							
117	7.00	7.00			EACH	ADJUST EXISTING WATER VALVE - COSV							7.00			
118	5.00	5.00		7725	DOL	REIMBURSEMENT FOR THIRD PARTY DAMAGE										5.00
119	-1.00	-1.00		7728	DOL	MINOR CHANGE	-1.00									
120	-1.00	-1.00		7732	DOL	AGGREGATE COMPLIANCE PRICE ADJUSTMENT	-1.00									
121	LUMP SUM	LUMP SUM	LUMP SUM	7736	L.S.	SPCC PLAN	L.S.	L.S.	L.S.	L.S.	L.S.	L.S.				
122	LUMP SUM	LUMP SUM			L.S.	SPCC PLAN - COSV							L.S.			

ASBUILT QTYS FOR INDIVIDUAL UNIT BID ITEMS CAN BE OBTAINED FROM FINAL CAPS LEDGER FOR THE PROJECT.

GROUP LEGEND :

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
1	290	323402	*	FED FUNDS

GROUP NUMBER	SR	CONTROL SECTION	TAX SCHEDULE	FUND PARTICIPANTS
9	000	3200CT	*	CITY SPOK. VALLEY

FOR "AS CONSTRUCTED PLANS" ONLY

DATE	REVISION	BY

REGION	STATE	FEDERAL AID PROJECT NO.
10	WA	STPF-0290(023)

JOB NUMBER 15Z007/1

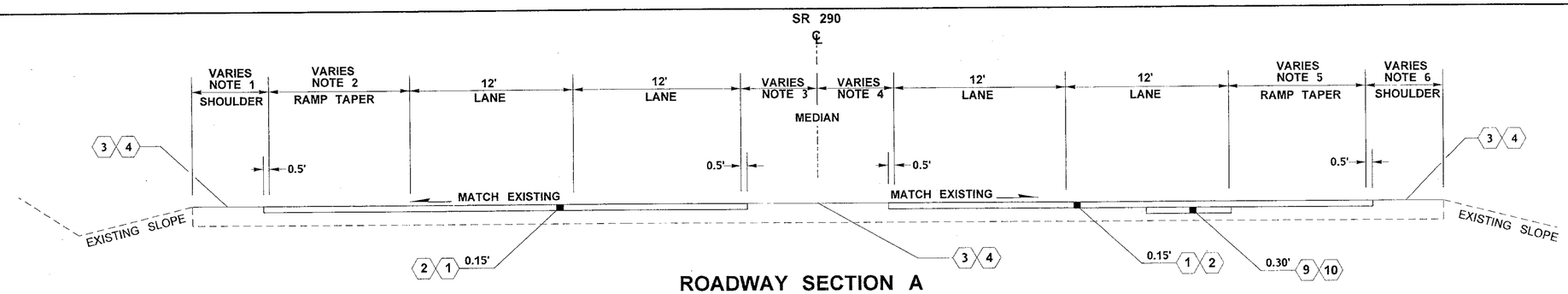
CONTRACT NO 000000

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

SUMMARY OF QUANTITIES

SQ3



ROADWAY SECTION A

STA. L 374+30 TO STA. L 393+38

STATION	TO	STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
L 374+30	TO	L 375+74	10	5-9.5	0	0	0	4
L 375+74	TO	L 377+08	10-6	9.5-15	0	0	0-7	4
L 377+08	TO	L 377+35	6	15-17	0	0	14-15	4
L 377+35	TO	L 378+50	6	SEE RDWY SEC. C	0	0	SEE RDWY SEC. C	4
L 378+50	TO	L 378+82	6	SEE RDWY SEC. C	0	0	0	4
L 378+82	TO	L 379+45	10	0	0	0	0	4
L 379+45	TO	L 381+80	10	0	0-2.5	0-2.5	0	4
L 381+80	TO	L 383+50	10	0	2.5-5	2.5-5	0	10
L 383+50	TO	L 385+15	10	0	5	5	0	10
L 385+15	TO	L 386+00	10	0	5-4	5-4	0	10
L 386+00	TO	L 388+65	4	0	4-0	4-0	0	4
L 388+65	TO	L 389+76	10	0	0	0	SEE RDWY SEC. C	3
L 389+76	TO	L 390+10	10	0	0	4	15-7	3
L 390+10	TO	L 391+16	6	SEE RDWY SEC. C	0	0	7-0	3
L 391+16	TO	L 392+02	6	15	0	0	0	4
L 392+02	TO	L 393+38	6	15-0	0	0	0	4

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. HMA CL ½ IN PG 70-28
3. CRACK SEALING RUBBERIZED SEALANT
4. ASPHALT FOR FOG SEAL
9. PAVEMENT REPAIR EXCAVATION INCL HAUL
10. HMA FOR PAVEMENT REPAIR CL ½ IN PG 70-28

GENERAL NOTES:

ALL DEPTHS SHOWN ARE COMPACTED DEPTHS & SHALL NOT EXCEED DEPTH DEFINED IN THE STANDARD SPECIFICATIONS.

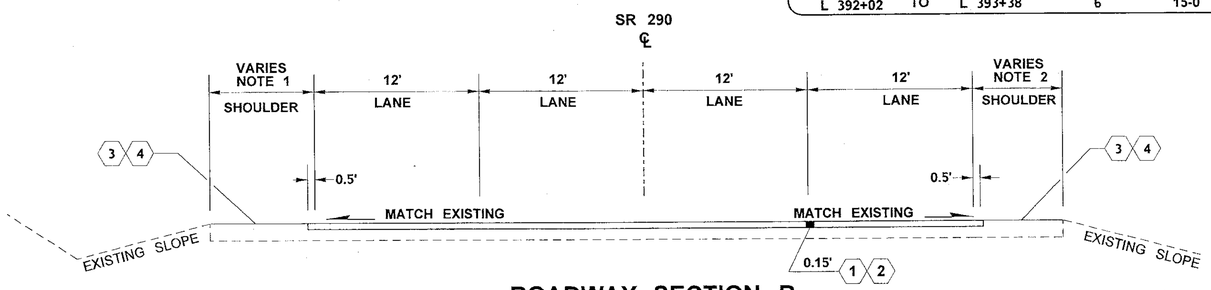
JOINT ADHESIVE REQUIRED AT ALL NEW TO NEW HMA JOINTS UNLESS A HOT LAP JOINT IS CONSTRUCTED.

PROFILE GRADE AND PIVOT POINT IS TYPICALLY ALONG CENTERLINE. MATCH EXISTING

PAVEMENT REPAIR EXCAVATION INCL HAUL & HMA FOR PAVEMENT REPAIR

STATION	EASTBOUND
STA. 374+30 TO STA. 375+10	OUTSIDE ½ OF RT LANE 6' WIDE

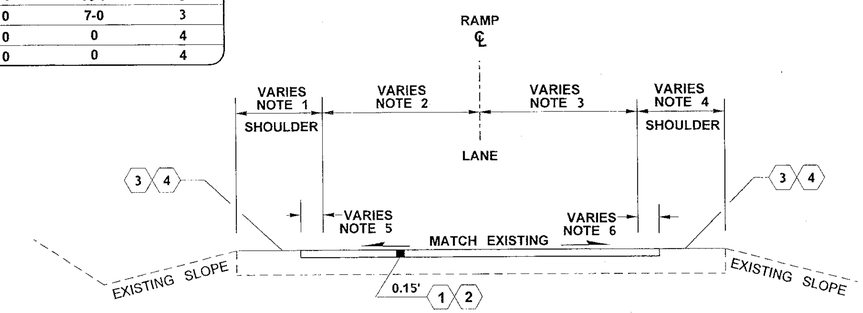
FOR "AS CONSTRUCTED PLANS" ONLY



ROADWAY SECTION B

STA. L 393+38 TO STA. L 482+17

STATION	TO	STATION	NOTE 1	NOTE 2
L 393+38	TO	L 394+00	8	4
SEE ROADWAY SECTION L (TRIAL SECTIONS)				
L 426+00	TO	L 429+60	8	4
SEE ROADWAY SECTION D (FLORA ROAD I/S)				
L 444+75	TO	L 447+00	8	4-10
SEE ROADWAY SECTION L (TRIAL SECTIONS)				
L 463+00	TO	L 465+24	8	10
SEE ROADWAY SECTION D (DEL REY DR. I/S)				
L 480+43	TO	L 482+17	8-10	10
SEE ROADWAY SECTION D (BARKER RD. I/S)				



ROADWAY SECTION C

SULLIVAN I/C RAMPS

RAMP	STA TO STA	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
E-NS RAMP	0+90 TO 6+78	3	7	7	4	0.5	0.5
E-NS RAMP	6+78 TO 7+22	3-0	7-48	7-48	4-0	0.5-0	0.5-0
NS-W RAMP	0+30 TO 6+55	6	7.5	7.5	4	1.5	2
NS-W RAMP	6+55 TO 7+12	6-0	7.5-55	7.5-55	4-0	1.5-0	2-0
W-NS RAMP	0+30 TO 0+80	0-6	55-7	55-7	0-4	0-2.5	0-0.5
W-NS RAMP	0+80 TO 8+00	6	7	7	4	2.5	0.5
NS-E RAMP	0+60 TO 1+15	0-4	55-7	40-7	0-3	0-0.5	0-0.5
NS-E RAMP	1+15 TO 6+18	4		7	3	0.5	0.5

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn
TIME	8:14:49 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO. | LOCATION NO. XL4558

BOB L. HILMES — STATE OF WASHINGTON — 37354 — REGISTERED PROFESSIONAL ENGINEER — 3/2/15 DATE — P.E. STAMP BOX

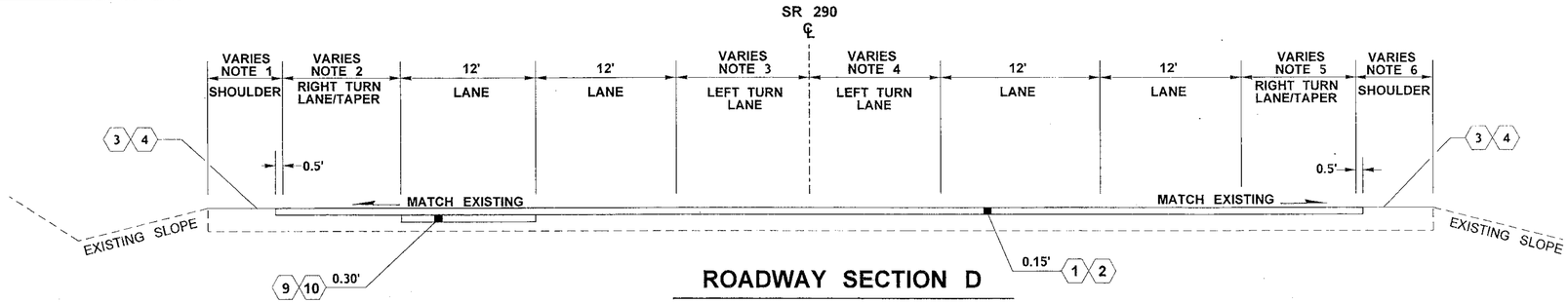
DATE — P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ROADWAY SECTIONS

Plot 1
PLAN REF NO RS1
SHEET 6 OF 72 SHEETS



ROADWAY SECTION D

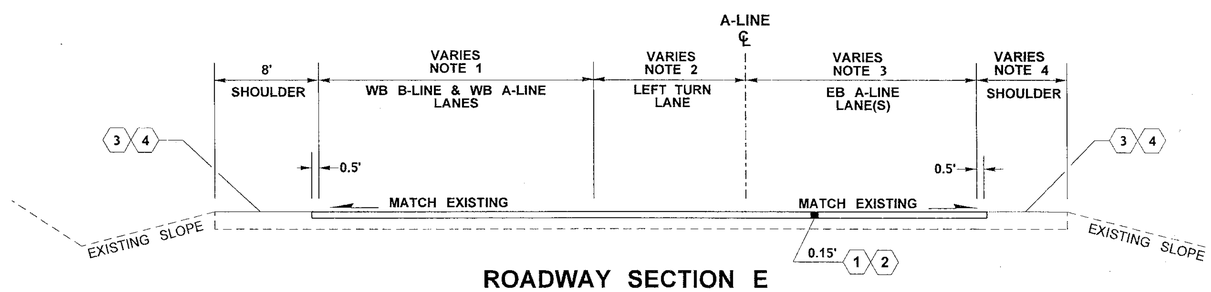
FLORA, DEL REY, BARKER INTERSECTIONS

STATION	TO	STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
L 429+60	TO	L 433+75	8	0	0	0-12	0	4
L 433+75	TO	L 434+12	8	0	0	12	0	4
L 434+12	TO	L 435+12	8	0	0	12	0-13	4
L 435+12	TO	L 436+28	8	0	0	12	13	4
L 436+28	TO	L 437+48	8	0-11	0	12	13	4
L 437+48	TO	L 437+71	8	11-12	0	12	13-6	4
L 437+71	TO	L 438+03	8	12-7	0	12	6-0	4
L 438+03	TO	L 438+71	8	7-0	0	12	0	4
L 438+71	TO	L 440+60	8	0	0	12	0	4
L 440+60	TO	L 444+75	8	0	0	12-0	0	4
SEE ROADWAY SECTION B								
L 465+24	TO	L 471+24	8	0	0-12	0	0	10
L 471+24	TO	L 473+00	8	0	12	0	0	10
L 473+00	TO	L 473+52	8-0	0-39	12	0	0	10
L 473+52	TO	L 474+00	0	39	12	0	0	10
L 474+00	TO	L 474+47	0-6	39-16	12	0	0	10
L 474+47	TO	L 475+47	6-8	16-0	12-11	0	0	10
L 475+47	TO	L 480+43	8	0	11-0	0	0	10
SEE ROADWAY SECTION B								
L 482+17	TO	L 483+22	10	0	0-2	0	0	10
L 483+22	TO	L 483+72	10-9	0	2-3	0	0-12	10
L 483+72	TO	L 486+85	9-8	0	3-12	0	12	10
A 10+00	TO	A 12+00	8	0	12	0	12-14	10-8
A 12+00	TO	A 14+50	8	0	12	0	0	4

PAVEMENT REPAIR EXCAVATION INCL HAUL & HMA FOR PAVEMENT REPAIR

STATION	WESTBOUND
STA. 474+35 TO STA. 479+00	OUTSIDE LANE 12' WIDE

FOR "AS CONSTRUCTED PLANS" ONLY



ROADWAY SECTION E

A & B LINE TRANSITION SECTION

STATION	TO	STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4
A 14+50	TO	A 15+32	24	12-10	24-20	4
A 15+32	TO	A 15+45	24	10-9.7	20-19.9	4-4.5
A 15+45	TO	A 17+00	24-29.8	9.7-6	19.9-16.3	4.5-6
A 17+00	TO	A 18+18	29.8-41.2	6-2.8	16.3-12.4	6-7.7

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. HMA CL ½ IN PG 70-28
3. CRACK SEALING RUBBERIZED SEALANT
4. ASPHALT FOR FOG SEAL
9. PAVEMENT REPAIR EXCAVATION INCL HAUL
10. HMA FOR PAVEMENT REPAIR CL ½ IN PG 70-28

GENERAL NOTES:

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PROFILE GRADE AND PIVOT POINT IS TYPICALLY ALONG CENTERLINE. MATCH EXISTING

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TIME	8:14:50 AM
DATE	3/2/2015
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DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES — STATE OF WASHINGTON — 23338 — REGISTERED PROFESSIONAL ENGINEER — 3/2/15

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

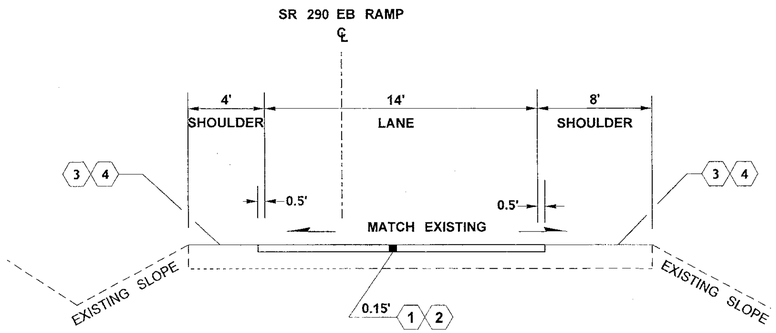
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ROADWAY SECTIONS

Plot 2

PLAN REF NO RS2

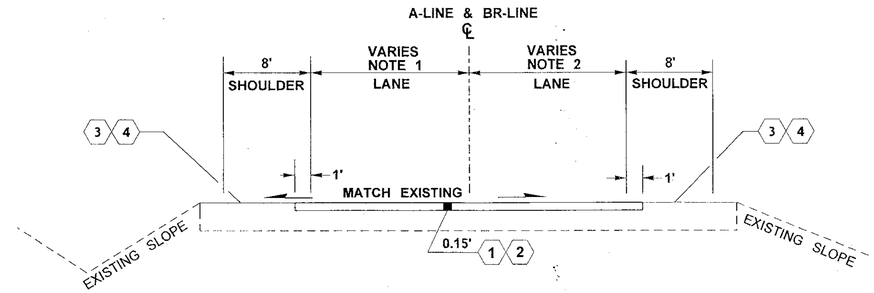
SHEET 7 OF 72 SHEETS



ROADWAY SECTION F

SR 290 EB RAMP

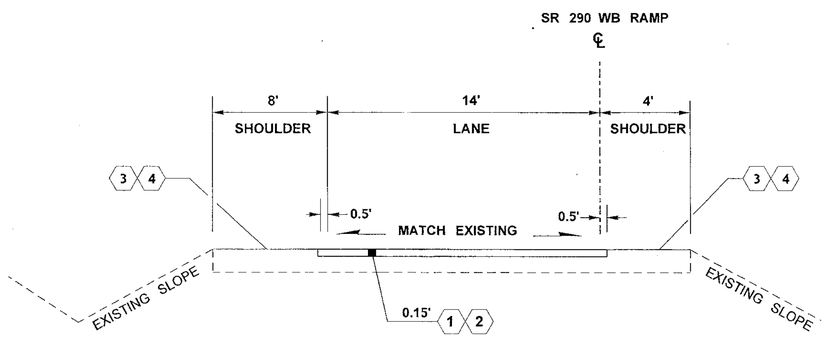
STA. L 488+88 TO STA. L 511+10



ROADWAY SECTION H

WELLESLEY AVE.
& BARKER RD.

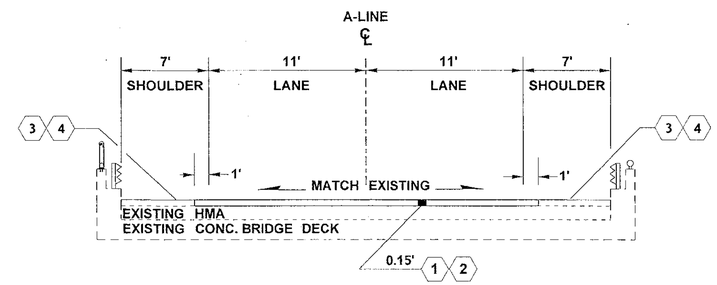
STATION	TO	STATION	NOTE 1	NOTE 2
A 18+18	TO	A 19+00	14.8-12	12.4-11
A 19+00	TO	A 21+25	12-11	11
A 21+25	TO	A 30+36	11	11
SEE ROADWAY SECTION I FOR BRIDGE 290/21				
A 31+36	TO	A 32+70	11	11
SEE ROADWAY SECTION J FOR BRIDGE 290/21A				
A 34+00	TO	A 45+99	11	11
BR 0+26	TO	BR 3+20	15	15



ROADWAY SECTION G

SR 290 WB RAMP

B-LINE 12+88 TO B-LINE 30+20



ROADWAY SECTION I

BRIDGE: 290/21
STA. A 30+36 TO STA. A 31+36

BRIDGE: 290/21A
STA. A 32+70 TO STA. A 34+00

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. HMA CL ½ IN PG 70-28
3. CRACK SEALING RUBBERIZED SEALANT
4. ASPHALT FOR FOG SEAL

GENERAL NOTES:

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FOR "AS CONSTRUCTED PLANS" ONLY

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DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 3/2/15

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

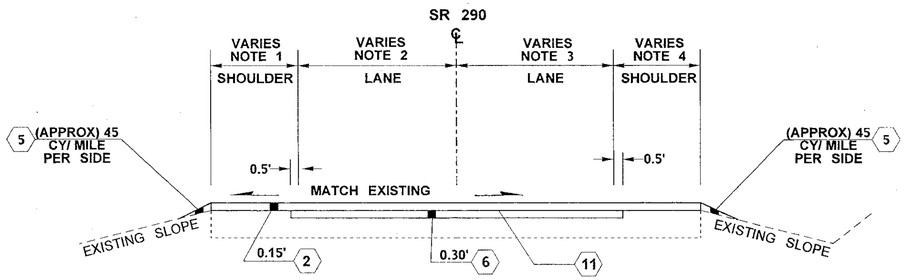
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ROADWAY SECTIONS

Plot 3

PLAN REF NO RS3

SHEET 8 OF 72 SHEETS



ROADWAY SECTION J

STA. L 511+10 TO STA. L 799+38 (OVERLAY)

STATION TO STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4
L 511+10 TO L 512+03	8	17.7-14	12.3-14	8
L 512+03 TO L 514+69	8-4	14-12	14-12	8-4
L 514+69 TO L 536+94	4	12	12	4
SEE ROADWAY SECTION K (CAMPBELL RD.)				
L 551+33 TO L 592+04	4	12	12	4
SEE ROADWAY SECTION K (HARVARD RD.)				
L 608+50 TO L 627+72	4	12	12	4
SEE ROADWAY SECTION K (McKINZIE RD)				
L 642+97 TO L 711+02	4	12	12	4
SEE ROADWAY SECTION K (STARR RD)				
L 729+07 TO L 779+98	4	12	12	4
SEE ROADWAY SECTION K (IDAHO RD)				
L 783+32 TO L 788+12	4	12	4	12
SEE ROADWAY SECTION K (WEIGH STATION)				
L 796+47 TO L 799+38	4	12	. 4	12

LEGEND

- 2 HMA CL ½ IN PG 70-28
- 5 BITUMINOUS PLANINGS FOR SHOULDERING
- 6 COLD IN PLACE RECYCLE
- 11 ASPHALT FOR FOG SEAL OF COLD IN PLACE

GENERAL NOTES:

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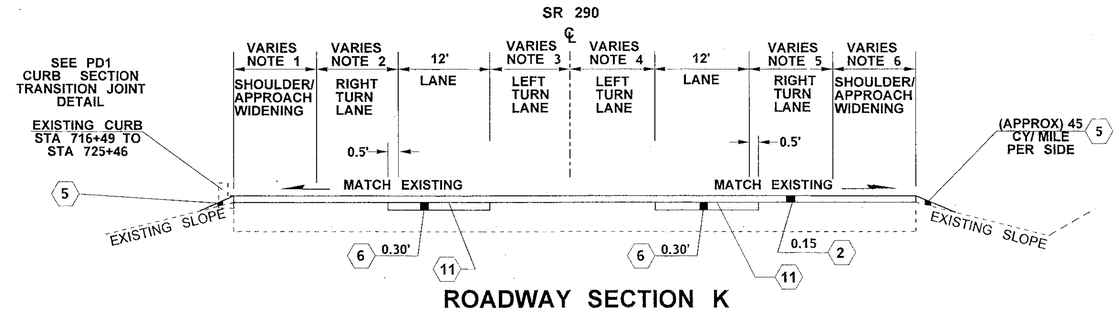
JOINT ADHESIVE REQUIRED AT ALL NEW TO NEW HMA JOINTS UNLESS A HOT LAP JOINT IS CONSTRUCTED.

PROFILE GRADE AND PIVOT POINT IS TYPICALLY ALONG CENTERLINE. MATCH EXISTING

ROADWAY SECTION K

SR 290 INTERSECTIONS (OVERLAY) CONT.

STATION TO STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
STARR RD. INTERSECTION						
L 711+02 TO L 714+68	4	0	0	0-12	12	4
L 714+68 TO L 718+28	4	0	0	12	12	4
L 718+28 TO L 719+22	4	0	0	0	0-12	4
L 719+22 TO L 719+48	4	0	0	0	12-34	4-0
L 719+48 TO L 719+82	4	0	0	0	34-4	0
L 719+82 TO L 720+23	4	0-8	0	0	4-0	0-2
L 720+23 TO L 720+44	4	8-19	0	0	0	2
L 720+44 TO L 721+02	4	19-31	0	0	0	2
L 721+02 TO L 721+27	4	31-12	0	0	0	2
L 721+27 TO L 723+00	4-13	0	12	0	13	4
L 723+00 TO L 724+25	4	12	0	0	0	4
L 724+25 TO L 725+75	4-13	12	0	0	0	4
L 725+75 TO L 729+07	4	0	0	0	0	4
IDAHO RD. INTERSECTION						
L 779+98 TO L 780+98	4	0	0	0	0-13	4
L 780+98 TO L 782+00	4	0	0	0	13	4-168
L 782+00 TO L 782+78	4-15	0	0	0	13-0	168-4
L 782+78 TO L 783+32	15-4	0	0	0	0	4
WEIGH STATION						
L 788+12 TO L 791+52	4-2	0-18	0	0	0	4
L 791+52 TO L 793+77	2	18	0	0	0	4
L 793+77 TO L 796+47	2-4	18-0	0	0	0	4



ROADWAY SECTION K

SR 290 INTERSECTIONS (OVERLAY)

STATION TO STATION	NOTE 1	NOTE 2	NOTE 3	NOTE 4	NOTE 5	NOTE 6
CAMPBELL RD. INTERSECTION						
L 536+94 TO L 541+74	4	0	0	0-12	0	4
L 541+74 TO L 544+07	4	0	0	12	0	4
L 544+07 TO L 544+58	4	0-10	0	12	0	4
L 544+58 TO L 545+82	4	0	0	12	0	4
L 545+82 TO L 546+16	4	13-8	0	12-11	0	4
L 546+16 TO L 546+80	4	8-0	0	11-9	0	4
L 546+80 TO L 551+33	4	0	0	9-0	0	4
HARVARD RD. INTERSECTION						
L 592+04 TO L 596+84	4	0	0	0-12	0	4
L 596+84 TO L 597+11	4	0	0	12	0	4
L 597+11 TO L 598+11	4	0	0	12	0-12	4
L 598+11 TO L 599+08	4	0	0	12	12	4
L 599+08 TO L 599+70	4	0-10	0	12	12	4-73
L 599+70 TO L 600+58	4-60	10	0	12	12-10	73-4
L 600+58 TO L 601+01	60-4	10-11	0	12	10-1	4
L 601+01 TO L 601+16	4	11-10	0	12	1-0	4
L 601+16 TO L 602+01	4	10-0	0	12	0	4
L 602+01 TO L 603+71	4	0	0	12	0	4
L 603+71 TO L 608+50	4	0	0	12-0	0	4
McKINZIE RD. INTERSECTION						
L 627+72 TO L 628+60	4-12	0-7	0-2	0	0	4
L 628+60 TO L 629+02	12-4	7-0	2-4	0	0	4
L 629+02 TO L 631+72	4	0	4-12	0	0	4
L 631+72 TO L 632+72	4	0	12	0	0-12	4
L 632+72 TO L 633+62	4	0	12	0	12	4
L 633+62 TO L 634+18	4	0	12	0	12	4-75
L 634+18 TO L 635+02	22	0	12	0	12-8	75
L 635+02 TO L 635+70	4	0	12	0	8-0	4
L 635+70 TO L 638+18	4	0	12	0	0	4
L 638+18 TO L 642+97	4	0	12-0	0	0	4

FOR "AS CONSTRUCTED PLANS" ONLY

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn
TIME	8:14:53 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 3/2/15 DATE P.E. STAMP BOX

DATE P.E. STAMP BOX

Washington State Department of Transportation

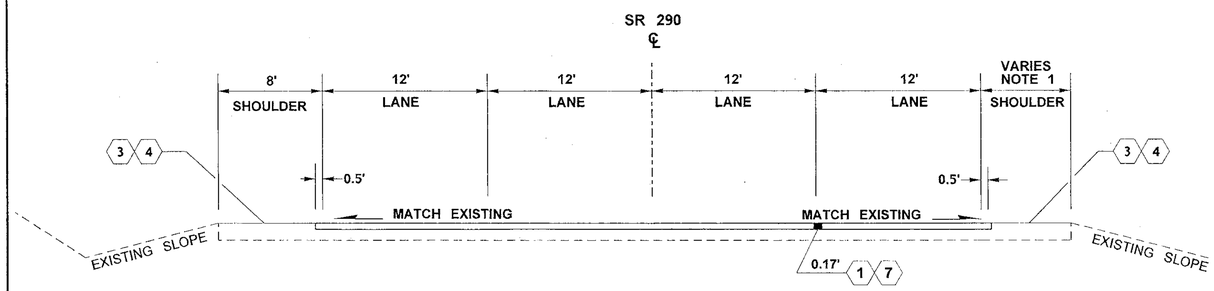
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ROADWAY SECTIONS

Plot 4

PLAN REF NO RS4

SHEET 9 OF 72 SHEETS



ROADWAY SECTION L

SPS-10 TRIAL SECTIONS

STATION	TO	STATION	NOTE 1
394+00	TO	426+00	4
SEE ROADWAY SECTION B			
447+00	TO	463+00	10
SEE ROADWAY SECTION B			

	SPS-10 TRIAL SECTIONS TABLE	
MD 1	SECTION 1 L447+00 TO L463+00 EB & WB LANES HMA CL. ½ IN. PG 70-28	100 GYRATIONS
MD 2	~~SECTION 2~~ SUPPLEMENTAL 1 L394+00 TO L410+00 EB LANES WMA CL. ½ IN. PG 70-28 OR HMA	~~100~~ GYRATIONS 60
MIX 3	~~SECTION 3~~ SUPPLEMENTAL 2 L410+00 TO L426+00 EB LANES WMA CL. ½ IN. PG 70-28 OR HMA	~~100~~ GYRATIONS 60
MIX DESIGN 2	~~SUPPLEMENTAL 1~~ SECTION 2 L394+00 TO L410+00 WB LANES FOAMED WMA CL. ½ IN. PG 70-28	~~60~~ GYRATIONS 100
MIX DESIGN 3	~~SUPPLEMENTAL 2~~ SECTION 3 L410+00 TO L426+00 WB LANES CHEMICAL WMA CL. ½ IN. PG 76-28	~~60~~ GYRATIONS 100

LEGEND

- 1 PLANING BITUMINOUS PAVEMENT
- 3 CRACK SEALING RUBBERIZED SEALANT
- 4 ASPHALT FOR FOG SEAL
- 7 SPS - 10 TRIAL SECTION (SEE TABLE THIS SHEET)

GENERAL NOTES:

ALL DEPTHS SHOWN ARE COMPACTED DEPTHS & SHALL NOT EXCEED DEPTH DEFINED IN THE STANDARD SPECIFICATIONS.

JOINT ADHESIVE REQUIRED AT ALL NEW TO NEW HMA JOINTS UNLESS A HOT LAP JOINT IS CONSTRUCTED.

PROFILE GRADE AND PIVOT POINT IS TYPICALLY ALONG CENTERLINE. MATCH EXISTING

FOR "AS CONSTRUCTED PLANS" ONLY

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn
TIME	8:14:54 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

3/2/15 DATE

P.E. STAMP BOX

DATE

P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ROADWAY SECTIONS

Plot 5

PLAN REF NO RS5

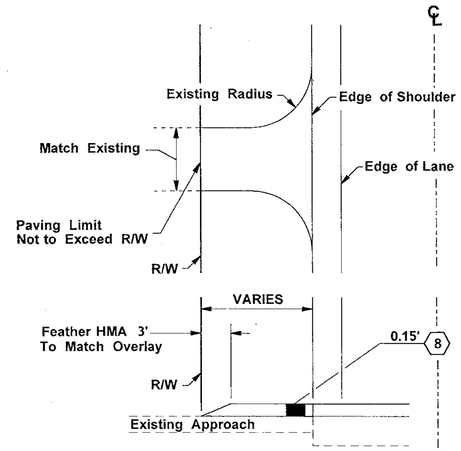
SHEET 10 OF 72 SHEETS

APPROACH SCHEDULE

STATION	APPROX. WIDTH	APPROX. HMA (TONS)
~~L 516+62 RT~~	~~16~~	~~2.64~~
L 516+81 LT	16	2.74
L 520+50 LT	20	3.14
L 523+40 LT	16	2.58
L 523+82 LT	40	5.38
L 530+81 LT	40	5.69
L 538+25 LT	40	5.62
L 553+37 LT	30	4.44
L 555+18 LT	36	5.13
L 557+83 LT	16	2.77
L 558+77 LT	20	2.82
L 559+35 LT	16	2.74
L 559+98 LT	16	2.79
L 560+61 LT	20	2.68
L 562+70 LT	42	5.62
L 564+11 LT	16	2.66
L 565+14 LT	26	3.12
L 567+75 LT	20	2.57
L 568+09 LT	20	2.64
L 569+36 LT	50	7.41
L 572+67 LT	28	2.66
L 575+62 LT	40	6.00
L 578+40 LT	18	3.08
L 588+61 LT	33	2.61
L 608+32 LT	30	2.69
L 616+74 LT	37	3.33
L 617+80 LT	21	3.12
L 618+75 LT	12	2.00
L 619+00 LT	12	2.00
L 619+94 LT	16	2.69
L 620+46 LT	16	2.61
L 621+00 LT	16	2.61
L 624+61 LT	16	2.65
L 627+00 LT	12	2.26
L 639+52 LT	30	3.19
L 646+35 LT	16	2.65
L 647+63 LT	20	3.15
L 654+53 LT	20	3.12
L 663+86 LT	16	2.72
L 671+39 LT	40	5.47
L 675+62 LT	16	2.71
L 679+72 LT	20	3.27
L 696+77 LT	20	3.08
L 703+59 LT	20	3.16

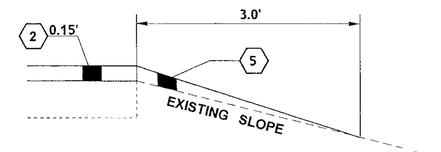
APPROACH SCHEDULE

STATION	APPROX. WIDTH	APPROX. HMA (TONS)
L 705+79 LT	30	4.26
L 711+15 LT	34	4.32
L 716+70 LT	68	10.07
L 718+78 LT	38	5.85
L 722+90 LT	60	9.50
L 724+00 LT	40	5.69
L 727+97 LT	42	4.57
L 737+55 LT	16	2.69
L 740+71 LT	20	3.55
L 744+44 LT	36	5.24
L 747+76 LT	20	3.31
L 749+75 LT	36	4.51
L 751+65 LT	20	3.19
L 756+35 LT	20	3.15
L 760+36 LT	36	5.07
L 761+30 LT	20	3.37
L 763+17 LT	26	3.89
L 774+24 LT	12	1.97



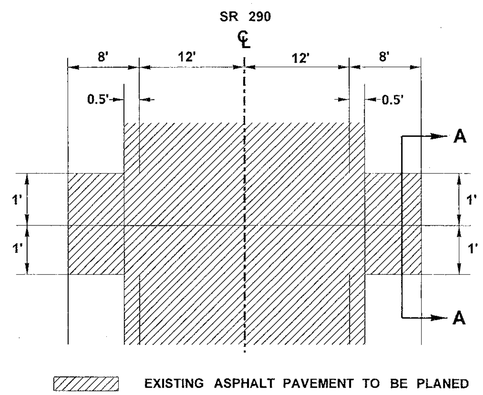
ROAD APPROACH PAVING DETAIL

FOR "AS CONSTRUCTED PLANS" ONLY



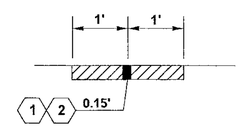
~~BITUMINOUS PLANINGS~~ CSBC FOR SHOULDERING DETAIL

(APPROX) 45 CY/ MILE PER SIDE



TEMPORARY SHOULDER DRAIN DETAIL

SEE SPECIAL PROVISION "TEMPORARY SHOULDER DRAIN"
SR 290 STA. L 374+30 TO STA. L 511+10
AT LOW SPOTS AS STAKED BY ENGINEER



LEGEND

- 1 PLANING BITUMINOUS PAVEMENT
- 2 HMA CL ½ IN PG 70-28
- 5 BITUMINOUS PLANINGS FOR SHOULDERING
- 8 HMA FOR APPROACH CL ½ IN PG 70-28

GENERAL NOTES:
ALL DEPTHS SHOWN ARE COMPACTED DEPTHS & SHALL NOT EXCEED DEPTH DEFINED IN THE STANDARD SPECIFICATIONS.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn
TIME	8:14:56 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER 3/2/15 DATE P.E. STAMP BOX

DATE P.E. STAMP BOX

Washington State Department of Transportation

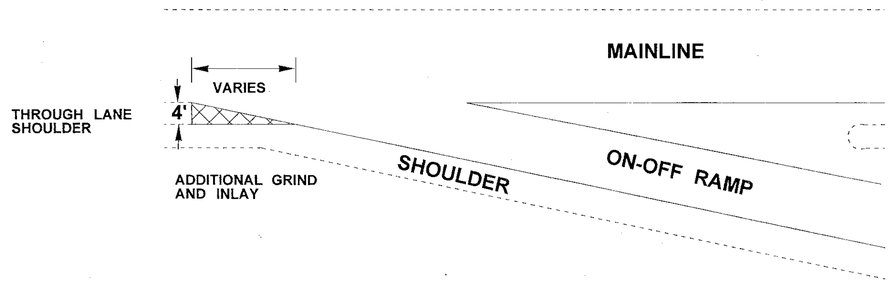
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING DETAILS

Plot 6

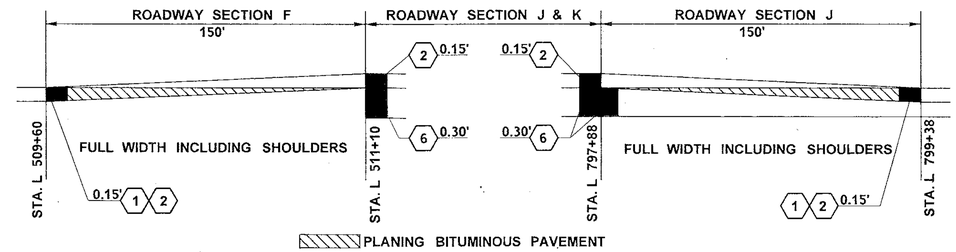
PLAN REF NO PD1

SHEET 11 OF 72 SHEETS

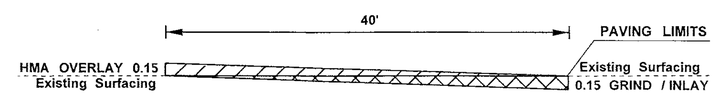


MAIN LINE AND RAMP (Typical)
ADDITIONAL 4 FT. GRIND AND INLAY ON - OFF RAMP

ADDITIONAL GRIND AND INLAY AREA



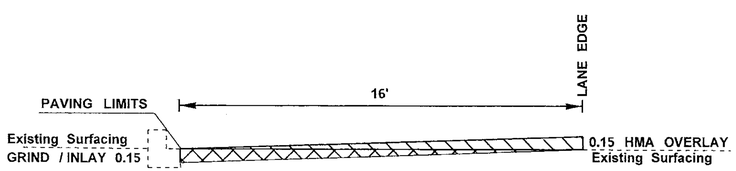
PLANING/PAVING TRANSITION DETAIL



COUNTY ROAD
TRANSITION JOINT DETAIL

CAMPBELL RD. STA. L 544+93.2 LT
HARVARD RD. STA. L 600+14.4 RT & LT
McKINZIE RD. STA. L 634+62 RT & LT
STARR RD. STA. L 720+20 RT & LT
IDAHO RD. STA. L 782+33.7 RT & LT

N.T.S.
HMA OVERLAY
GRIND / INLAY AND HMA TRANSITION JOINT AREA



CURB AND GUTTER
TRANSITION JOINT DETAIL

SR 290 STA. L 721+30 TO STA. L 725+30

N.T.S.
HMA OVERLAY
GRIND / INLAY AND HMA TRANSITION JOINT AREA

FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

1. PLANING BITUMINOUS PAVEMENT
2. HMA CL ½ IN PG 70-28
5. BITUMINOUS PLANINGS FOR SHOULDERING
6. COLD IN PLACE RECYCLE
8. HMA FOR APPROACH CL ½ IN PG 70-28

GENERAL NOTES:
ALL DEPTHS SHOWN ARE COMPACTED DEPTHS & SHALL NOT EXCEED DEPTH DEFINED IN THE STANDARD SPECIFICATIONS.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn				REGION NO.	STATE	FED.AID PROJ.NO.		
TIME	8:14:57 AM				10	WASH			
DATE	3/2/2015				JOB NUMBER				
PLOTTED BY	RoberCH				15Z007				
DESIGNED BY	C.ROBERTS				CONTRACT NO.		LOCATION NO.		
ENTERED BY	L.HILL						XL4558		
CHECKED BY	B.SPANGLE, P.E.								
PROJ. ENGR.	B.HILMES, P.E.								
REGIONAL ADM.	K.METCALF, P.E	REVISION	DATE	BY					

ROB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

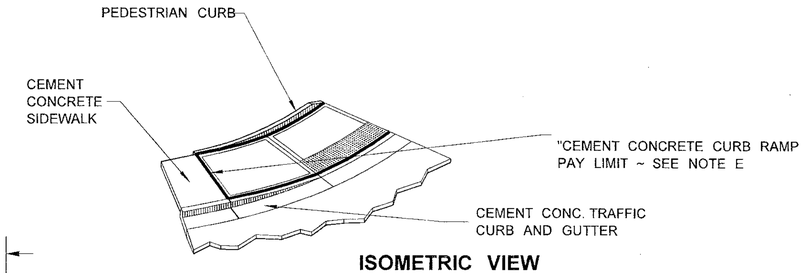
DATE
P.E. STAMP BOX

Washington State Department of Transportation

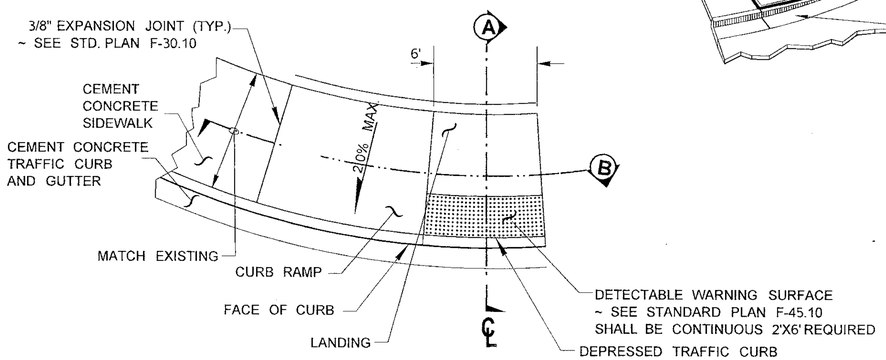
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING DETAILS

Plot 7
PLAN REF NO
PD2
SHEET 12 OF 72 SHEETS



ISOMETRIC VIEW



PLAN VIEW

NOTES

A. CURB RAMP LOCATION SHALL BE PLACED WITHIN THE WIDTH OF THE ASSOCIATED CROSSWALK.

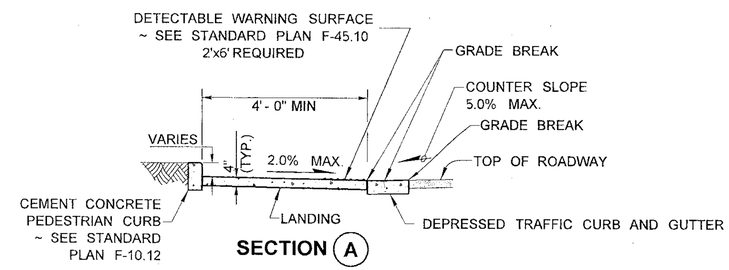
B. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.

C. SEE STANDARD PLAN F-10.12 FOR CURB, CURB AND GUTTER, AND PEDESTRIAN CURB DETAILS.

D. SEE STANDARD PLAN F-30.10 FOR CEMENT CONCRETE SIDEWALK DETAILS.

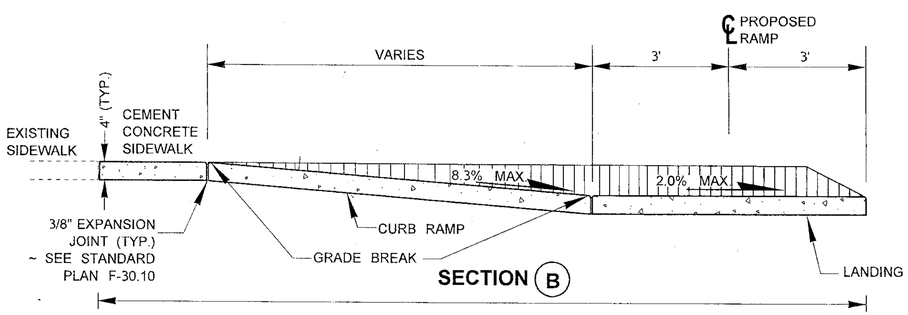
E. THE BID ITEM "CEMENT CONCRETE CURB RAMP" DOES NOT INCLUDE THE ADJACENT CURB, CURB AND GUTTER, PEDESTRIAN CURB OR SIDEWALKS.

F. CURB RAMP, LANDING, & FLARES SHALL RECIEVE BROOM FINISH. SEE STANDARD SPECIFICATIONS 8-14.

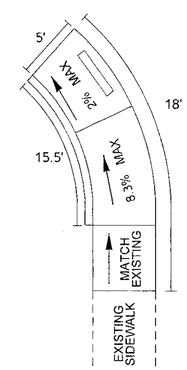


SECTION (A)

FOR "AS CONSTRUCTED PLANS" ONLY

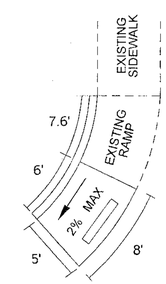


SECTION (B)



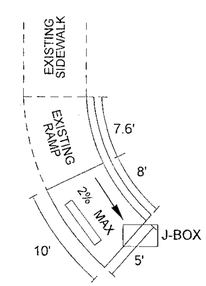
S.W. CORNER

PVM1-8



N.W. CORNER

PVM1-4



N.E. CORNER

PVM1-10

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Roadway Sections .dgn
TIME	8:14:58 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER — 3/2/15 DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ADA RAMP DETAILS

Plot 8
PLAN REF NO ADA1
SHEET 13 OF 72 SHEETS

QUANTITY TABULATION

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. CURB	REMOVING TRAFFIC CURB	REMOVING GUIDE POST		REMOVING PAINT LINE	REMOVING RECESSED PAVEMENT MARKER	LONGITUDINAL JOINT SEAL		INLET PROTECTION	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB		EXTRUDED CURB	FLEXIBLE GUIDE POST	TUBULAR MARKER	SEE GENERAL NOTES
		L.F.	L.F.	EACH		L.F.	EACH	L.F.		EACH	L.F.	L.F.		L.F.	EACH	EACH	
	L 374+30 TO L 799+38			226		1500	500								324		1,3,6,8,11
	A-LINE 10+00 TO R 45+98.6			35		100									53		1,3,6,8
	B-LINE 2+00 TO 20+95			26		100									34		1,3,6,8
	NS-W RAMP			12											22		3,6,8
	W-NS RAMP			18											20		3,6,8
	NS-E RAMP			14											17		3,6,8
	E-NS RAMP			16											19		3,6,8
PVM1-1	NS-W 7+10																9
2	W-NS 0+40																9
3	W-NS 0+50																8
4	E-NS 7+00										8	13					
5	E-NS 6+80									1							5
6	E-NS 6+10																8
7	E-NS 7+20																9
8	E-NS 7+25										18	16					12,15
9	NS-E 0+80																9
10	NS-E 0+80										10	16					13,15
PVM2-1	L 415+33 LT																
PVM3-1	L 434+95 6' RT																16
2	L 435+40 42' RT																16
3	L 436+00 6' RT																16
4	L 436+15 42' RT																16
5	L 437+00 LT																
6	L 437+05 LT																
7	L 473+20 LT																14
8	L 437+00 RT																
9	L 437+20 RT																
10	L 438+00 6' LT																16
11	L 439+05 6' LT																16
PVM4-1	L 471+90 6' LT																16
2	L 473+10 6' LT																16
3	L 473+60 LT																
PVM5-1	L 485+50 30' LT																16
2	L 487+00 30' RT																16
3	L 487+80 RT																10
	SHEET TOTAL			347		1700	500			1	36	45			489		

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS.

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface 2'x6' Required.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS			REGION NO.	STATE
ENTERED BY	C. ROBERTS			10	WASH
CHECKED BY	B. SPANGLE, P.E.			JOB NUMBER	
PROJ. ENGR.	B. HILMES, P.E.			XL4558	
REGION ADM.	K. METCALF, P.E.			CONTRACT NO.	
		DATE	DATE	REVISION	BY

FED. AID PROJ. NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 1

SHEET 14 OF 72 SHEETS

QUANTITY TABULATION

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

CODE	LOCATION ⤵ \ UNIT OF MEASURE ➢	REMOVING CEMENT CONC. CURB	REMOVING TRAFFIC CURB	REMOVING GUIDE POST		REMOVING PAINT LINE	REMOVING RECESSED PAVEMENT MARKER	LONGITUDINAL JOINT SEAL		INLET PROTECTION	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB		EXTRUDED CURB	FLEXIBLE GUIDE POST	TUBULAR MARKER	SEE GENERAL NOTES
		L.F.	L.F.	EACH		L.F.	EACH	L.F.		EACH	L.F.	L.F.		L.F.	EACH	EACH	
	L 374+30 TO L 799+38			226		1500	500								324		1,3,6,8,11
	A-LINE 10+00 TO R 45+98.6			35		100									53		1,3,6,8
	B-LINE 2+00 TO 20+95			26		100									34		1,3,6,8
	NS-W RAMP			12											22		3,6,8
	W-NS RAMP			18											20		3,6,8
	NS-E RAMP			14											17		3,6,8
	E-NS RAMP			16											19		3,6,8
PVM1-1	NS-W 7+10																9
2	W-NS 0+40																9
3	W-NS 0+50																8
4	E-NS 7+00										8	13					
5	E-NS 6+80									1							5
6	E-NS 6+10																8
7	E-NS 7+20																9
8	E-NS 7+25										18	16					12,15
9	NS-E 0+80																9
10	NS-E 0+80										10	16					13,15
PVM2-1	L 415+33 LT																
PVM3-1	L 434+95 6' RT																16
2	L 435+40 42' RT																16
3	L 436+00 6' RT																16
4	L 436+15 42' RT																16
5	L 437+00 LT																
6	L 437+05 LT																
7	L 473+20 LT																14
8	L 437+00 RT																
9	L 437+20 RT																
10	L 438+00 6' LT																16
11	L 439+05 6' LT																16
PVM4-1	L 471+90 6' LT																16
2	L 473+10 6' LT																16
3	L 473+60 LT																
PVM5-1	L 485+50 30' LT																16
2	L 487+00 30' RT																16
3	L 487+80 RT																10
	SHEET TOTAL			347		1700	500			1	36	45			489		

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface 2'x6' Required.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS				
ENTERED BY	C. ROBERTS				
CHECKED BY	B. SPANGLE, P.E.				
PROJ. ENGR.	B. HILMES, P.E.				
REGION ADM.	K. METCALF, P.E.				
		DATE	DATE	REVISION	BY

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

JOB NUMBER
XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 1

SHEET 14 OF 72 SHEETS

QUANTITY TABULATION

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 ➢	PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC LINE 6"		GROOVED PLASTIC LINE 8"	PAINTED WIDE LANE LINE	GROOVED PLASTIC WIDE LANE LINE		GROOVED PLASTIC CROSSWALK LINE	GROOVED PLASTIC STOP LINE	GROOVED PLASTIC TRAFFIC ARROW		GROOVED PLASTIC RAILROAD CROSSING SYMBOL	CENTERLINE RUMBLE STRIP	TEMPORARY PAVEMENT MARKING - SHORT DURATION	SEE GENERAL NOTES
		L.F.	L.F.	L.F.		L.F.	L.F.	L.F.		S.F.	L.F.	EACH		EACH	MI.	L.F.	
	L 374+30 TO L 799+38	104709	33625	29920		3600	380	3240							5.44	130700	1,3,6,8,11
	A-LINE 10+00 TO R 45+98.6	9200					280									4000	1,3,6,8
	B-LINE 2+00 TO 20+95	7300														2000	1,3,6,8
	NS-W RAMP	1216					90										3,6,8
	W-NS RAMP	1273					140										3,6,8
	NS-E RAMP	1128					125										3,6,8
	E-NS RAMP	1383					210										3,6,8
PVM1-1	NS-W 7+10									288							9
2	W-NS 0+40									272							9
3	W-NS 0+50										64						8
4	E-NS 7+00																
5	E-NS 6+80																5
6	E-NS 6+10										46						8
7	E-NS 7+20									192							9
8	E-NS 7+25																12,15
9	NS-E 0+80									224							9
10	NS-E 0+80																12,15
PVM2-1	L 415+33 LT										26						
PVM3-1	L 434+95 6' RT											1					16
2	L 435+40 42' RT											1					16
3	L 436+00 6' RT											1					16
4	L 436+15 42' RT											1					16
5	L 437+00 LT										24						
6	L 437+05 LT																
7	L 473+20 LT																14
8	L 437+00 RT										17			1			
9	L 437+20 RT										32						
10	L 438+00 6' LT											1					16
11	L 439+05 6' LT											1					16
PVM4-1	L 471+90 6' LT											1					16
2	L 473+10 6' LT											1					16
3	L 473+60 LT										26						
PVM5-1	L 485+50 30' LT											1					16
2	L 487+00 30' RT											1					16
3	L 487+80 RT													1			10
	SHEET TOTAL	126209	33625	29920		3600	1225	3240		976	235	10		~~1~~ 2	5.44	136700	

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS.

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS					
ENTERED BY	C. ROBERTS					
CHECKED BY	B. SPANGLE, P.E.					
PROJ. ENGR.	B. HILMES, P.E.					
REGION ADM.	K. METCALF, P.E.					
		DATE	DATE	REVISION	BY	

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

JOB NUMBER XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 2

SHEET 15 OF 72 SHEETS

QUANTITY TABULATION

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 →	CEMENT CONC. SIDEWALK	CEMENT CONC. CURB RAMP		ADJUST MANHOLE	ADJUST VALVE BOX										SEE GENERAL NOTES
		S.Y.	S.Y.		EACH	EACH										
	L 374+30 TO L 799+38															1,3,6,8,11
	A-LINE 10+00 TO R 45+98.6															1,3,6,8
	B-LINE 2+00 TO 20+95															1,3,6,8
	NS-W RAMP															3,6,8
	W-NS RAMP															3,6,8
	NS-E RAMP															3,6,8
	E-NS RAMP															3,6,8
PVM1-1	NS-W 7+10															9
2	W-NS 0+40															9
3	W-NS 0+50															8
4	E-NS 7+00		7													
5	E-NS 6+80															5
6	E-NS 6+10															8
7	E-NS 7+20															9
8	E-NS 7+25	2	7													12,15
9	NS-E 0+80															9
10	NS-E 0+80		7													12,15
PVM2-1	L 415+33 LT															
PVM3-1	L 434+95 6' RT															16
2	L 435+40 42' RT															16
3	L 436+00 6' RT															16
4	L 436+15 42' RT															16
5	L 437+00 LT															
6	L 437+05 LT				1											
7	L 473+20 LT					4										14
8	L 437+00 RT															
9	L 437+20 RT															
10	L 438+00 6' LT															16
11	L 439+05 6' LT															16
PVM4-1	L 471+90 6' LT															16
2	L 473+10 6' LT															16
3	L 473+60 LT				1											
PVM5-1	L 485+50 30' LT															16
2	L 487+00 30' RT															16
3	L 487+80 RT															10
	SHEET TOTAL	2	21		1	4										

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS				REGION NO.	STATE	FED. AID PROJ. NO.
ENTERED BY	C. ROBERTS				10	WASH	
CHECKED BY	B. SPANGLE, P.E.				JOB NUMBER		
PROJ. ENGR.	B. HILMES, P.E.				XL4558		
REGION ADM.	K. METCALF, P.E.				CONTRACT NO.		
		DATE	DATE	REVISION	BY		

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT-3

SHEET 16 OF 72 SHEETS

QUANTITY TABULATION

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. CURB	REMOVING TRAFFIC CURB	REMOVING GUIDE POST		REMOVING PAINT LINE	REMOVING RECESSED PAVEMENT MARKER	LONGITUDINAL JOINT SEAL		INLET PROTECTION	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB		EXTRUDED CURB	FLEXIBLE GUIDE POST	TUBULAR MARKER	SEE GENERAL NOTES
		L.F.	L.F.	EACH		L.F.	EACH	L.F.		EACH	L.F.	L.F.		L.F.	EACH	EACH	
4	L 488+20 RT																10
5	L 488+20 RT																
6	L 488+20 RT																
7	A 11+75 6' LT																16
8	A 13+10 6' LT																16
PVM6-1	A 25+00 RT									1							5
2	A 28+00 RT									1							5
3	A 30+75							54									4
4	A 31+25							54									4
PVM7-1	A 32+25 RT									1							5
2	A 32+95							51									4
3	A 32+75							51									4
4	A 32+75 LT									1							5
5	A 37+50 LT									1							5
6	A 39+00 LT									1							5
PVM8-1	L 543+00 6' RT																16
2	L 544+10 6' RT																16
3	L 545+00 LT																
4	L 545+00 LT																14
PVM9-1	L 598+25 30' RT																16
2	L 598+25 6' RT																16
3	L 599+10 30' RT																16
4	L 599+20 6' RT																16
5	L 599+00 RT	75															2
6	L 599+80 RT																10
7	L 599+90 LT																
8	L 600+20 RT																
9	L 700+00 6' RT																16
10	L 700+10 6' RT																16
PVM10-1	L 628+00 LT																
2	L 632+50 6' RT																16
3	L 632+60 30' RT																16
4	L 633+60 30' Rt																16
5	L 633+50 6' RT																16
6	L 634+50 RT																10
7	L 634+70 RT																
	SHEET TOTAL	75						210		6							

GENERAL NOTES:

SEE FINAL GAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS				
ENTERED BY	C. ROBERTS				
CHECKED BY	B. SPANGLE, P.E.				
PROJ. ENGR.	B. HILMES, P.E.				
REGION ADM.	K. METCALF, P.E.				
		DATE	DATE	REVISION	BY

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

JOB NUMBER
XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 4

SHEET 17 OF 72 SHEETS

QUANTITY TABULATION

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 ➢	PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC LINE 6"		GROOVED PLASTIC LINE 8"	PAINTED WIDE LANE LINE	GROOVED PLASTIC WIDE LANE LINE		GROOVED PLASTIC CROSSWALK LINE	GROOVED PLASTIC STOP LINE	GROOVED PLASTIC TRAFFIC ARROW		GROOVED PLASTIC RAILROAD CROSSING SYMBOL	CENTERLINE RUMBLE STRIP	TEMPORARY PAVEMENT MARKING - SHORT DURATION	SEE GENERAL NOTES
		L.F.		L.F.		L.F.	L.F.	L.F.		S.F.	L.F.	EACH		EACH	MI.	L.F.	
4	L 488+20 RT													1			10
5	L 488+20 RT										16						
6	L 488+20 RT										34						
7	A 11+75 6' LT											1					16
8	A 13+10 6' LT											1					16
PVM6-1	A 25+00 RT																5
2	A 28+00 RT																5
3	A 30+75																4
4	A 31+25																4
PVM7-1	A 32+25 RT																5
2	A 32+95																4
3	A 32+75																4
4	A 32+75 LT																5
5	A 37+50 LT																5
6	A 39+00 LT																5
PVM8-1	L 543+00 6' RT											1					16
2	L 544+10 6' RT											1					16
3	L 545+00 LT										26						
4	L 545+00 LT																14
PVM9-1	L 598+25 30' RT											1					16
2	L 598+25 6' RT											1					16
3	L 599+10 30' RT											1					16
4	L 599+20 6' RT											1					16
5	L 599+00 RT																2
6	L 599+80 RT													1			10
7	L 599+90 LT										15						
8	L 600+20 RT										26						
9	L 700+00 6' RT											1					16
10	L 700+10 6' RT											1					16
PVM10-1	L 628+00 LT										16						
2	L 632+50 6' RT											1					16
3	L 632+60 30' RT											1					16
4	L 633+60 30' Rt											1					16
5	L 633+50 6' RT											1					16
6	L 634+50 RT													1			10
7	L 634+70 RT										28						
	SHEET TOTAL										161	14		3			

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS					
ENTERED BY	C. ROBERTS					
CHECKED BY	B. SPANGLE, P.E.					
PROJ. ENGR.	B. HILMES, P.E.					
REGION ADM.	K. METCALF, P.E.					
		DATE	DATE	REVISION	BY	

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

JOB NUMBER XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 5

SHEET 18 OF 72 SHEETS

QUANTITY TABULATION

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 →	CEMENT CONC. SIDEWALK	CEMENT CONC. CURB RAMP		ADJUST MANHOLE	ADJUST VALVE BOX											SEE GENERAL NOTES
		S.Y.	S.Y.		EACH	EACH											
4	L 488+20 RT																10
5	L 488+20 RT																
6	L 488+20 RT																
7	A 11+75 6' LT																16
8	A 13+10 6' LT																16
PVM6-1	A 25+00 RT																5
2	A 28+00 RT																5
3	A 30+75																4
4	A 31+25																4
PVM7-1	A 32+25 RT																5
2	A 32+95																4
3	A 32+75																4
4	A 32+75 LT																5
5	A 37+50 LT																5
6	A 39+00 LT																5
PVM8-1	L 543+00 6' RT																16
2	L 544+10 6' RT																16
3	L 545+00 LT																
4	L 545+00 LT					3											14
PVM9-1	L 598+25 30' RT																16
2	L 598+25 6' RT																16
3	L 599+10 30' RT																16
4	L 599+20 6' RT																16
5	L 599+00 RT																2
6	L 599+80 RT																10
7	L 599+90 LT																
8	L 600+20 RT																
9	L 700+00 6' RT																16
10	L 700+10 6' RT																16
PVM10-1	L 628+00 LT					2											
2	L 632+50 6' RT																16
3	L 632+60 30' RT																16
4	L 633+60 30' Rt																16
5	L 633+50 6' RT																16
6	L 634+50 RT																10
7	L 634+70 RT																
	SHEET TOTAL					25											

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS				
ENTERED BY	C. ROBERTS				
CHECKED BY	B. SPANGLE, P.E.				
PROJ. ENGR.	B. HILMES, P.E.				
REGION ADM.	K. METCALF, P.E.				
		DATE	DATE	REVISION	BY

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

JOB NUMBER
XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 6

SHEET 19 OF 72 SHEETS

QUANTITY TABULATION

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

CODE	LOCATION ⤵ \ UNIT OF MEASURE ➢	REMOVING CEMENT CONC. CURB	REMOVING TRAFFIC CURB	REMOVING GUIDE POST		REMOVING PAINT LINE	REMOVING RECESSED PAVEMENT MARKER	LONGITUDINAL JOINT SEAL		INLET PROTECTION	CEMENT CONC. TRAFFIC CURB AND GUTTER	CEMENT CONC. PEDESTRIAN CURB		EXTRUDED CURB	FLEXIBLE GUIDE POST	TUBULAR MARKER	SEE GENERAL NOTES
		L.F.	L.F.	EACH		L.F.	EACH	L.F.		EACH	L.F.	L.F.		L.F.	EACH	EACH	
8	L 635+70 6'LT																16
9	L 637+00 6' LT																16
PVM12-1	L 717+50 6'LT																16
2	L 719+00 6' LT																16
3	L 720+40 RT																
4	L 720+80 LT																14
5	L 720+20 RT																
6	L 721+25		260											260		14	2,7,17
7	L 721+50 4' RT																16
8	L 721+50 20' RT																16
9	L 722+00 4' RT																16
10	L 722+ 30 20' RT																16
PVM14-1	L 782+25 LT																
2	L 782+50 RT																
3	L 782+25 Rt																10
4	L 782+00 Rt																10
5	L 782+00 RT																
	SHEET TOTAL		260											260		14	
	PROJECT TOTAL	75	260	347		1700	500	210		7	36	45		260	489	14	

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS			
ENTERED BY	C. ROBERTS			
CHECKED BY	B. SPANGLE, P.E.			
PROJ. ENGR.	B. HILMES, P.E.			
REGION ADM.	K. METCALF, P.E.			
		DATE	DATE	REVISION	BY

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

JOB NUMBER XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 7

SHEET 20 OF 72 SHEETS

QUANTITY TABULATION

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 ➢	PAINT LINE	GROOVED PLASTIC LINE	GROOVED PLASTIC LINE 6"		GROOVED PLASTIC LINE 8"	PAINTED WIDE LANE LINE	GROOVED PLASTIC WIDE LANE LINE		GROOVED PLASTIC CROSSWALK LINE	GROOVED PLASTIC STOP LINE	GROOVED PLASTIC TRAFFIC ARROW		GROOVED PLASTIC RAILROAD CROSSING SYMBOL	CENTERLINE RUMBLE STRIP	TEMPORARY PAVEMENT MARKING - SHORT DURATION	SEE GENERAL NOTES
		L.F.		L.F.		L.F.	L.F.	L.F.		S.F.	L.F.	EACH		EACH	MI.	L.F.	
8	L 635+70 6'LT											1					16
9	L 637+00 6' LT											1					16
PVM12-1	L 717+50 6'LT											1					16
2	L 719+00 6' LT											1					16
3	L 720+40 RT										30						
4	L 720+80 LT																14
5	L 720+20 RT										15						
6	L 721+25																2,7,17
7	L 721+50 4' RT											1					16
8	L 721+50 20' RT											1					16
9	L 722+00 4' RT											1					16
10	L 722+ 30 20' RT											1					16
PVM14-1	L 782+25 LT										20						
2	L 782+50 RT										20						
3	L 782+25 Rt													1			10
4	L 782+00 Rt													1			10
5	L 782+00 RT										12						
	SHEET TOTAL										97	8		2			
	PROJECT TOTAL	126209	33625	29920		3600	1225	3240		976	493	32		~~6~~ 7	5.44	136700	

GENERAL NOTES:

SEE FINAL CAFS LEDGER FOR FINAL AS-BUILT QTYS.

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS					
ENTERED BY	C. ROBERTS					
CHECKED BY	B. SPANGLE, P.E.					
PROJ. ENGR.	B. HILMES, P.E.					
REGION ADM.	K. METCALF, P.E.					
		DATE	DATE	REVISION	BY	

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

JOB NUMBER XL4558

CONTRACT NO.

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 8

SHEET 21 OF 72 SHEETS

QUANTITY TABULATION

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 ➢	CEMENT CONC. SIDEWALK	CEMENT CONC. CURB RAMP		ADJUST MANHOLE	ADJUST VALVE BOX											SEE GENERAL NOTES
		S.Y.	S.Y.		EACH	EACH											
8	L 635+70 6'LT																16
9	L 637+00 6' LT																16
PVM12-1	L 717+50 6'LT																16
2	L 719+00 6' LT																16
3	L 720+40 RT																
4	L 720+80 LT				1												14
5	L 720+20 RT																
6	L 721+25																2,7,17
7	L 721+50 4' RT																16
8	L 721+50 20' RT																16
9	L 722+00 4' RT																16
10	L 722+ 30 20' RT																16
PVM14-1	L 782+25 LT																
2	L 782+50 RT																
3	L 782+25 Rt																10
4	L 782+00 Rt																10
5	L 782+00 RT																
	SHEET TOTAL				1												
	PROJECT TOTAL	2	21		~~23~~	~~29~~											

GENERAL NOTES:

SEE FINAL CAPS LEDGER FOR FINAL AS-BUILT QTYS.

1. See Special Provisions "Removing Recessed Pavement Marker".
2. See Special Provisions "Removing Cement Conc. Curb".
3. See Special Provisions "Removing Guide Post".
4. See Std Plan A-40.20 Detail 1 Bridge Transverse Joint Seal.
5. See Std Plan I-40.20 Storm Drain Inlet Protection.
6. See Std Plan M-40 Series for Guide Post Placement. Color Shall be Brown.
7. See Special Provision "Tubular Markers"
8. See Std Plan M-1 Through M-5 Series for Striping.
9. See Std Plan M-15.10 Crosswalk Layout.
10. See Std Plan M-11.10 Railroad Crossing Layout.
11. See Std Plan M-65.10 Centerline Rumble Strip.
12. See Plan Sheet ADA1.
13. See Std Plan F-10.42 "Extruded Curb" Type 6.
14. See Special Provision "Adjust Valve Box".
15. See Std Plan F-45.10 Detectable Warning Surface.
16. See Std Plan M-24.20 Traffic Arrows for High Speed Roadways.

FOR "AS CONSTRUCTED PLANS" ONLY

DESIGNED BY	C. ROBERTS					
ENTERED BY	C. ROBERTS					
CHECKED BY	B. SPANGLE, P.E.					
PROJ. ENGR.	B. HILMES, P.E.					
REGION ADM.	K. METCALF, P.E.					
		DATE	DATE	REVISION	BY	

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

JOB NUMBER
XL4558

CONTRACT NO.

Washington State Department of Transportation

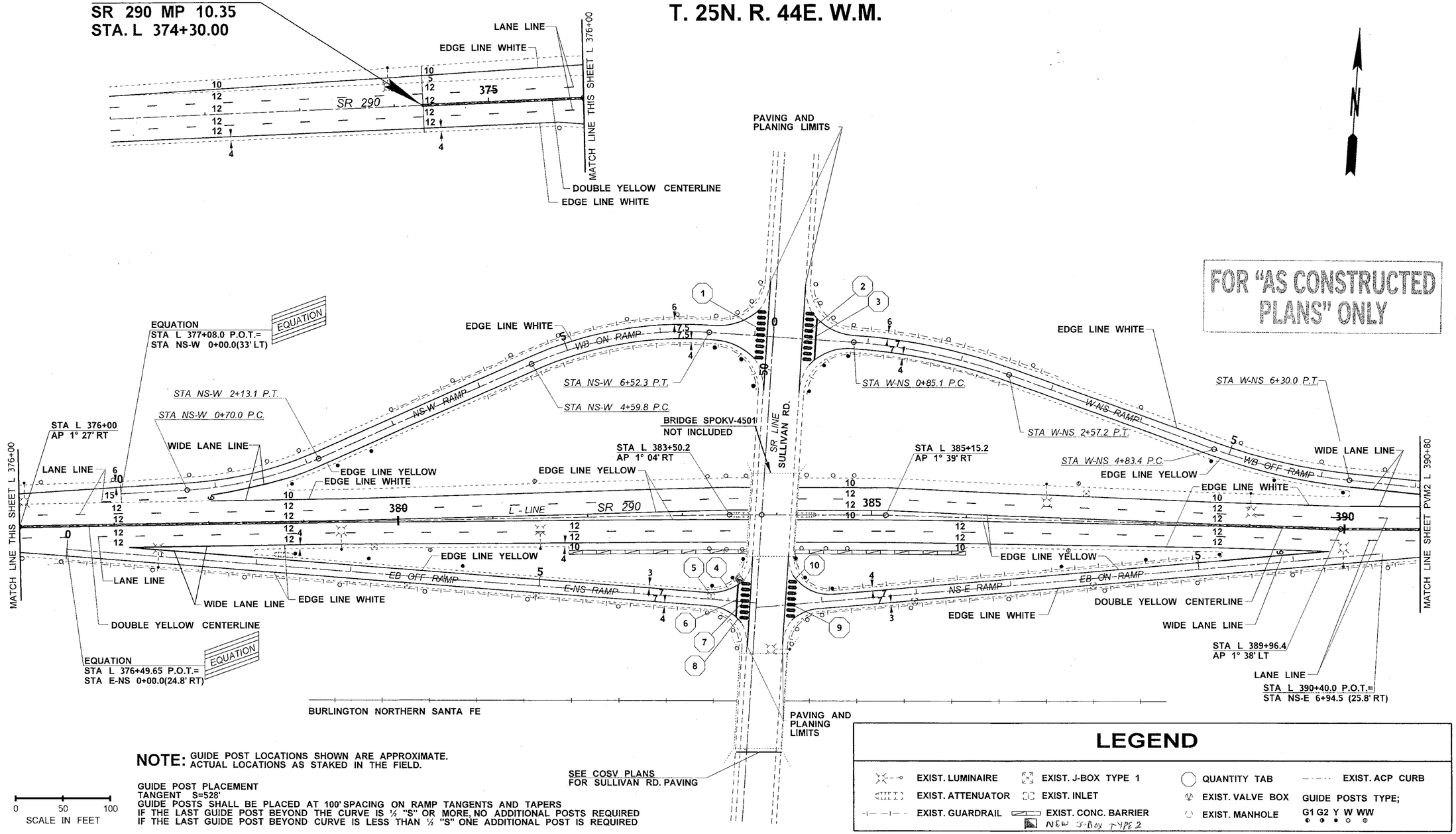
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

QUANTITY TABULATION

QT 9

SHEET 22 OF 72 SHEETS

SPOKANE COUNTY
T. 25N. R. 44E. W.M.



NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD.

GUIDE POST PLACEMENT
TANGENT S=528'
GUIDE POSTS SHALL BE PLACED AT 100' SPACING ON RAMP TANGENTS AND TAPERS
IF THE LAST GUIDE POST BEYOND THE CURVE IS ½ "S" OR MORE, NO ADDITIONAL POSTS REQUIRED
IF THE LAST GUIDE POST BEYOND CURVE IS LESS THAN ½ "S" ONE ADDITIONAL POST IS REQUIRED

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
	NEW J-Box TYPE 2		

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
TIME	8:18:47 AM							
DATE	3/2/2015				JOB NUMBER 15Z007			
PLOTTED BY	RoberCH							
DESIGNED BY	C.ROBERTS				CONTRACT NO.		LOCATION NO. XL4558	
ENTERED BY	L.HILL							
CHECKED BY	B.SPANGLE, P.E.							
PROJ. ENGR.	B.HILMES, P.E.							
REGIONAL ADM.	K.METCALF, P.E.	REVISION	DATE	BY				

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

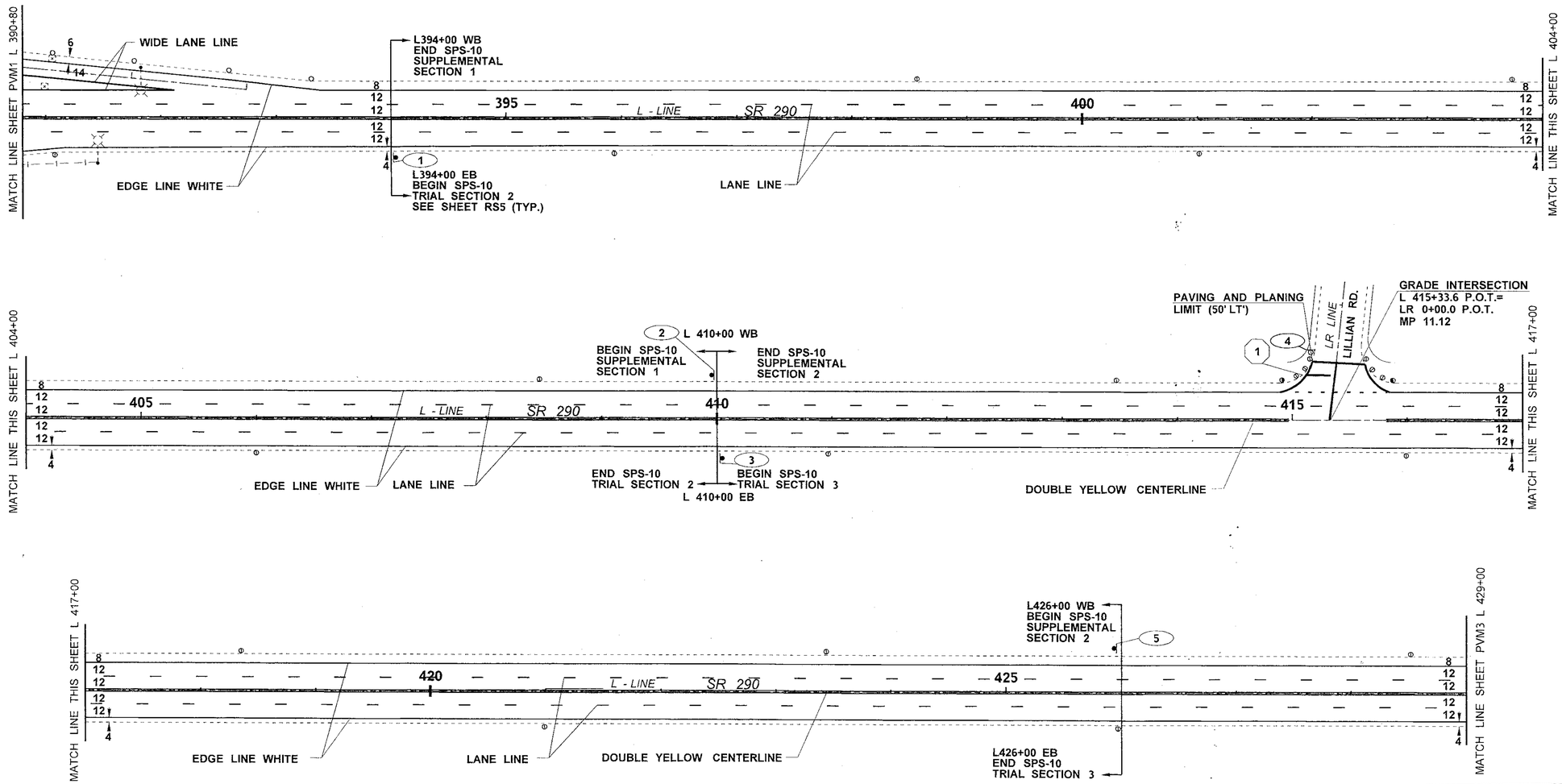
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 11
PLAN REF NO PVM1
SHEET 23 OF 72 SHEETS

SPOKANE COUNTY
T. 25N. R. 44E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
NEW SIGN	EXIST. SIGN		

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

DEPTH OF PLANING AND PAVING AT SIDE ROAD PAVING AND PLANING LIMITS IS 0.15'

FOR SIGN INFORMATION SEE SHEET SD1

0 50 100
SCALE IN FEET

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:49 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, 32394, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

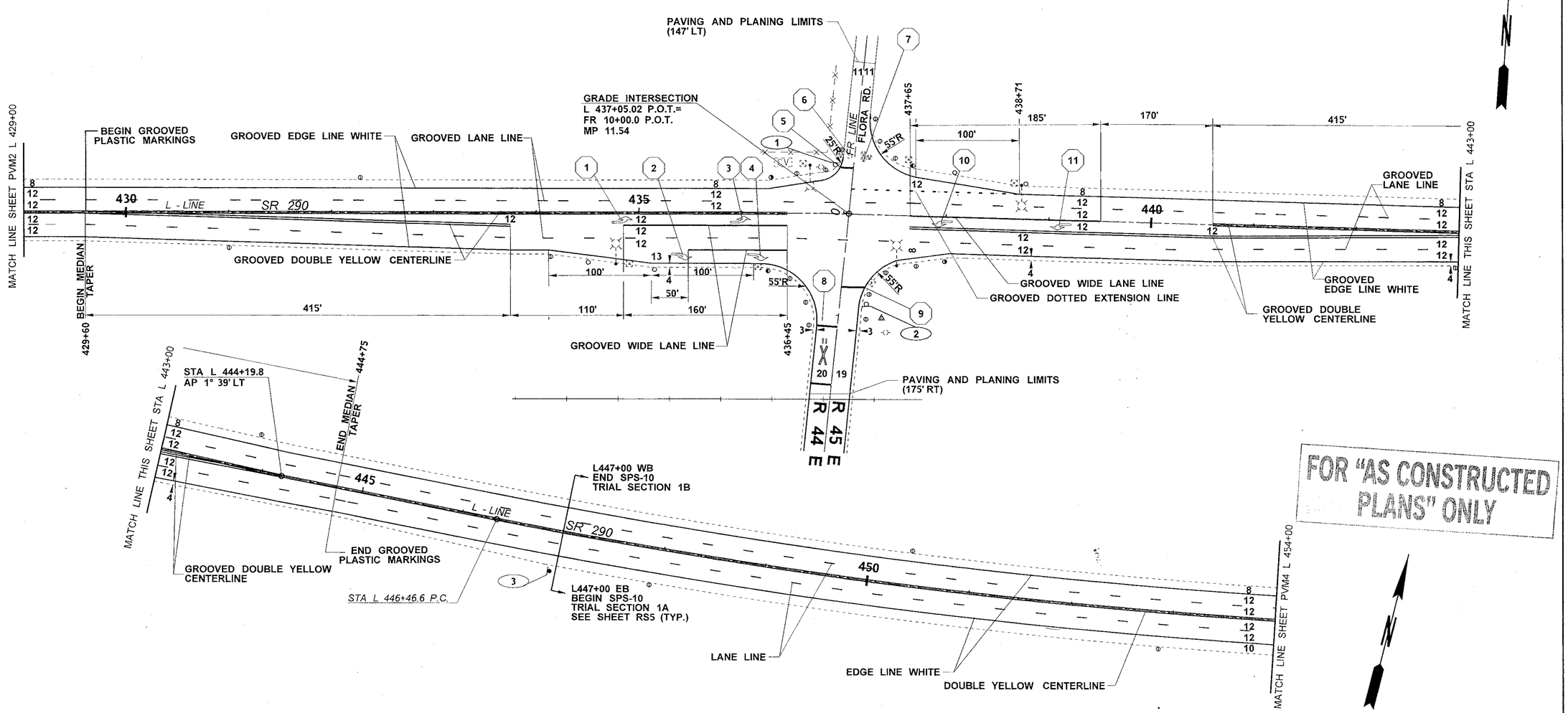
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 12
PLAN REF NO PVM2
SHEET 24 OF 72 SHEETS

SPOKANE COUNTY



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
NEW SIGN	EXIST. SIGN		

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

DEPTH OF PLANING AND PAVING AT SIDE RD PAVING AND PLANING LIMITS IS 0.15'

FOR SIGN INFORMATION SEE SHEET SD1

0 50 100
SCALE IN FEET

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:51 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO. | LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, 32354, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

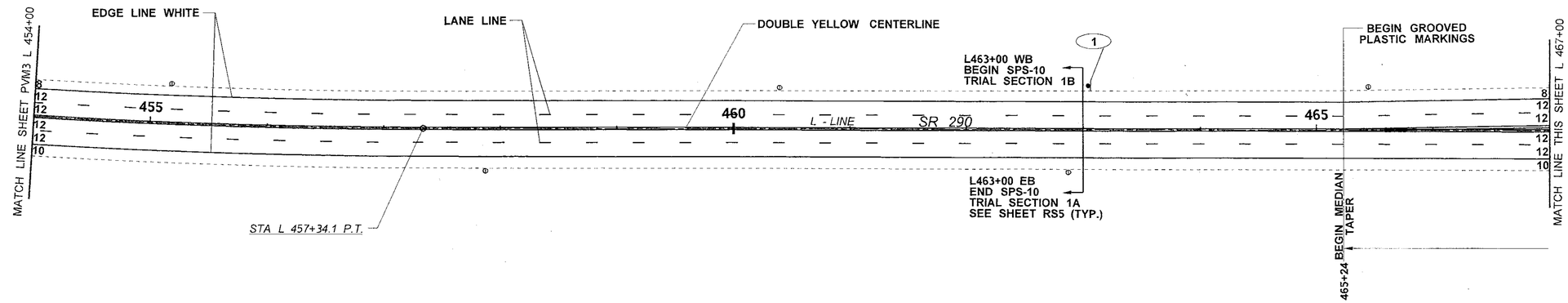
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

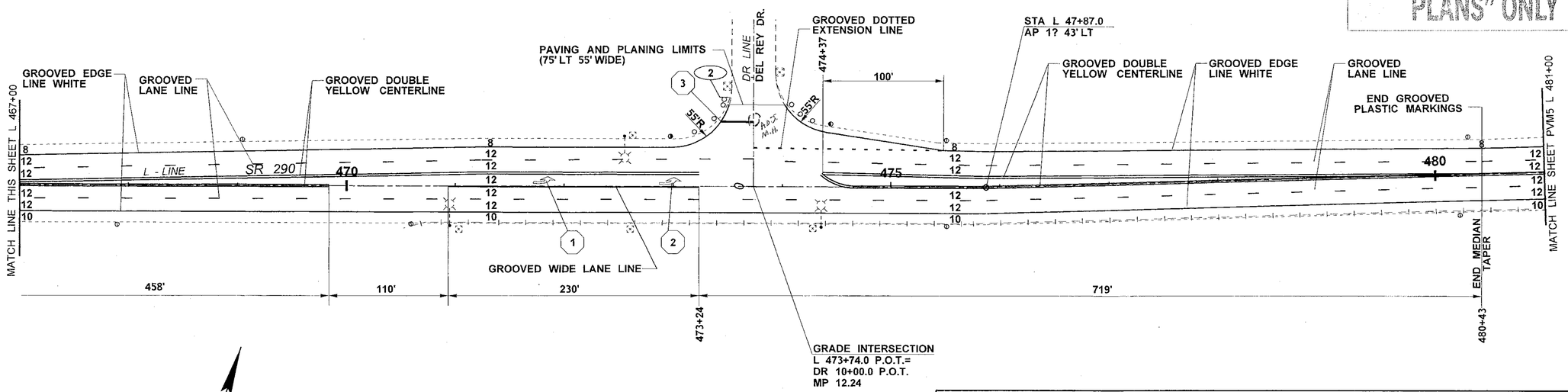
PAVING / PAVEMENT MARKING PLAN

Plot 13
PLAN REF NO PVM3
SHEET 25 OF 72 SHEETS

SPOKANE COUNTY
T. 25N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY



LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE; G1 G2 Y W WW
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	
NEW SIGN	EXIST. SIGN		

0 50 100
SCALE IN FEET

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

DEPTH OF PLANING AND PAVING AT SIDE RD PAVING AND PLANING LIMITS 0.15'

FOR SIGN INFORMATION SEE SHEET SD1

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:53 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

P.E. STAMP BOX — DATE 3/2/15

P.E. STAMP BOX — DATE

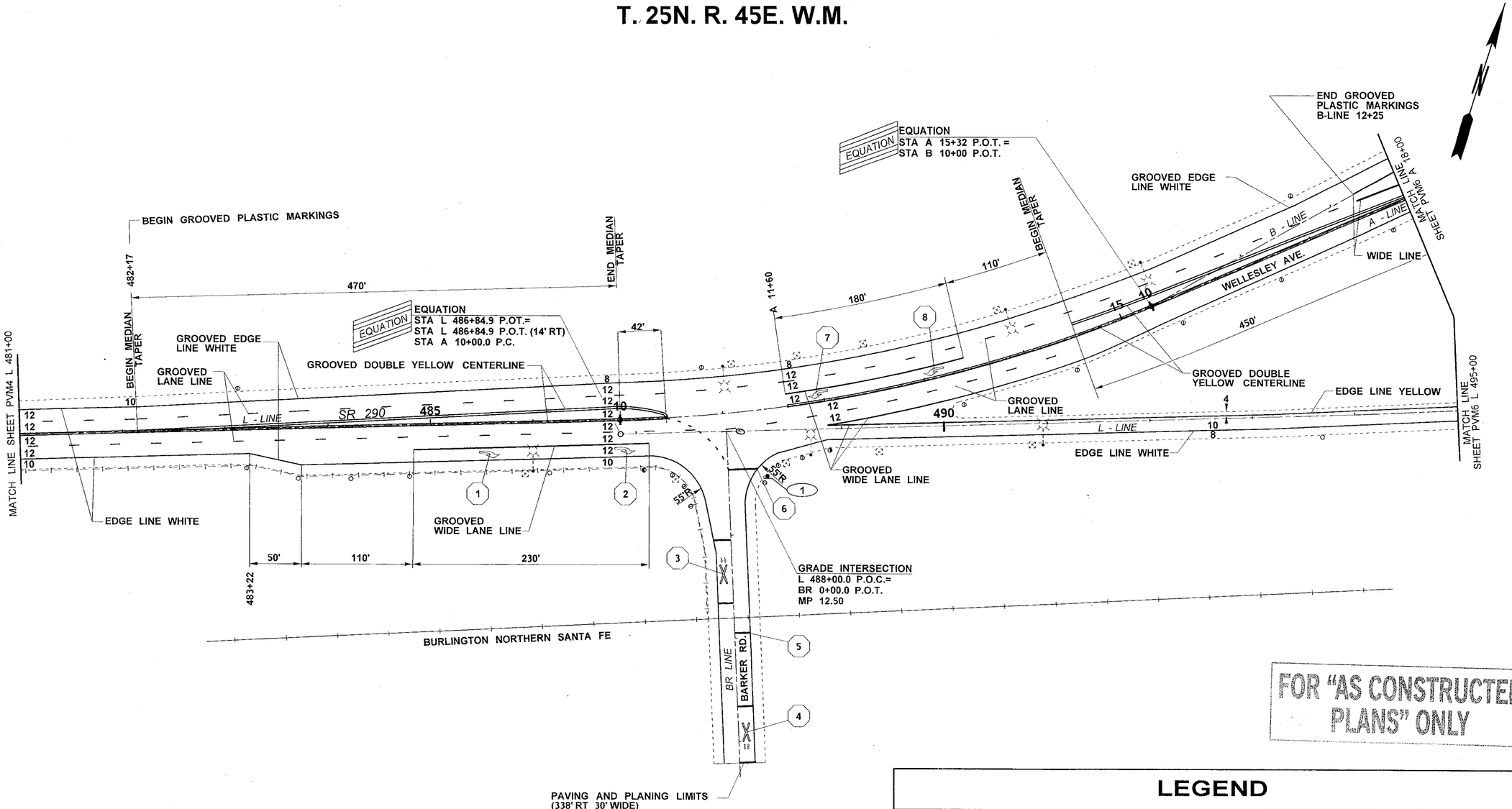
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 14
PLAN REF NO PVM4
SHEET 26 OF 72 SHEETS

SPOKANE COUNTY
T. 25N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
EXIST. SIGN			

0 50 100
SCALE IN FEET

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:54 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

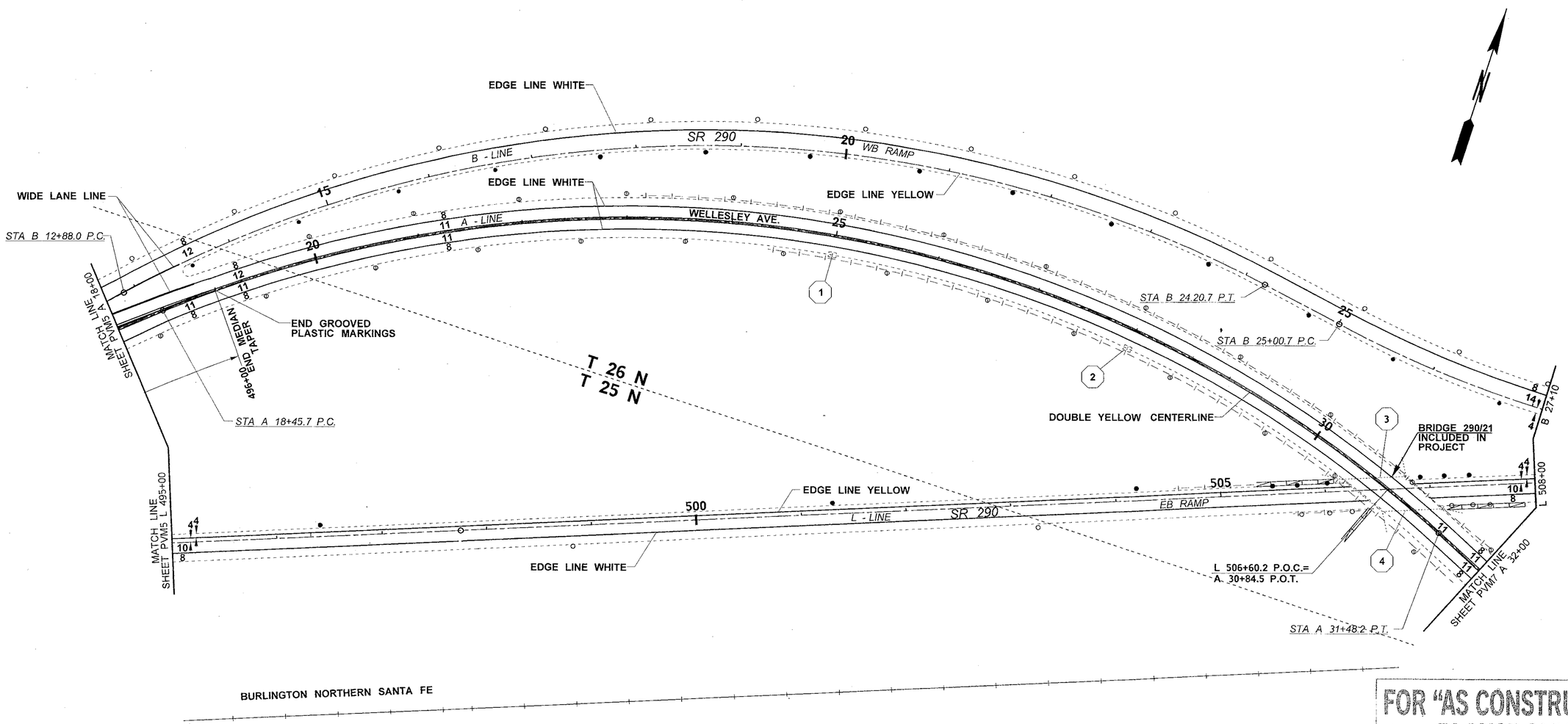
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 15
PLAN REF NO PVM5
SHEET 27 OF 72 SHEETS

SPOKANE COUNTY
T. 25N.,T. 26N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

0 50 100
SCALE IN FEET

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE.
ACTUAL LOCATIONS AS STAKED IN THE FIELD.

GUIDE POST PLACEMENT
TANGENT SPACING = 528'
GUIDE POSTS SHALL BE PLACED AT 100' SPACING ON RAMP TANGENTS AND TAPERS
IF THE LAST GUIDE POST BEYOND THE CURVE IS ½ "S" OR MORE, NO ADDITIONAL POSTS REQUIRED
IF THE LAST GUIDE POST BEYOND CURVE IS LESS THAN ½ "S" ONE ADDITIONAL POST IS REQUIRED

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
NEW SIGN	EXIST. SIGN		

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:56 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER — 3/2/15 DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 16
PLAN REF NO PVM6
SHEET 28 OF 72 SHEETS

SPOKANE COUNTY
T. 25N.,T. 26N. R. 45E. W.M.

EDGE LINE WHITE
B 27+10
B - LINE
EDGE LINE YELLOW
L 508+00
L - LINE
EDGE LINE WHITE
MATCH LINE SHEET PVM6 A 32+00
BEGIN COLD IN PLACE RECYCLE STA L 511+10
FA??
PAVING LIMITS (30' LT)
EDGE LINE WHITE
PAVING LIMITS (30' LT)
L - LINE
SR 290
DOUBLE YELLOW CENTERLINE
PAVING LIMITS (30' RT)
DOUBLE YELLOW CENTERLINE
MATCH LINE SHEET PVM8 L 522+00
BEGIN CENTERLINE RUMBLE STRIP
STA L 512+02.6 P.O.T.=
STA B 31+10.6 P.T
STA L 514+68.8 P.O.T.=
AP 3° 0' 0" RT
BRIDGE 290/21A INCLUDED IN PROJECT
BURLINGTON NORTHERN SANTA FE
STA L 35+07.9 P.C.
DOUBLE YELLOW CENTERLINE
EDGE LINE WHITE
T 26 N
T 25 N
STA A 40+45.2 P.T.
A - LINE
WELLESLEY AVE.
PAVING LIMIT
STA A 45+98.6
PAVING AND PLANING LIMITS
N

GROOVED STRIPING DETAIL 6"

℄ RUMBLE STRIP
12' LANE (TYP)
SHOULDER
6" 12" 6" 10.5' 6"
GROOVED STRIPE
GROOVED STRIPE
GROOVED STRIPE
GROOVED STRIPE SHALL BE INSTALLED COMPLETELY WITHIN THE LANE
DOUBLE YELLOW CENTERLINE
WHITE EDGE LINE

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD.

GUIDE POST PLACEMENT
TANGENT SPACING = 528'
GUIDE POSTS SHALL BE PLACED AT 100' SPACING ON RAMP TANGENTS AND TAPERS
IF THE LAST GUIDE POST BEYOND THE CURVE IS ½ "S" OR MORE, NO ADDITIONAL POSTS REQUIRED
IF THE LAST GUIDE POST BEYOND CURVE IS LESS THAN ½ "S" ONE ADDITIONAL POST IS REQUIRED

FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW

0 50 100
SCALE IN FEET

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn					
TIME	8:18:57 AM					
DATE	3/2/2015					
PLOTTED BY	RoberCH					
DESIGNED BY	C.ROBERTS					
ENTERED BY	L.HILL					
CHECKED BY	B.SPANGLE, P.E.					
PROJ. ENGR.	B.HILMES, P.E.					
REGIONAL ADM.	K.METCALF, P.E.	REVISION	DATE	BY		

REGION NO. 10 | STATE WASH | JOB NUMBER 15Z007 | CONTRACT NO. | FED.AID PROJ.NO. | LOCATION NO. XL4558

ROD L. HILMES — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — 3/2/15
P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

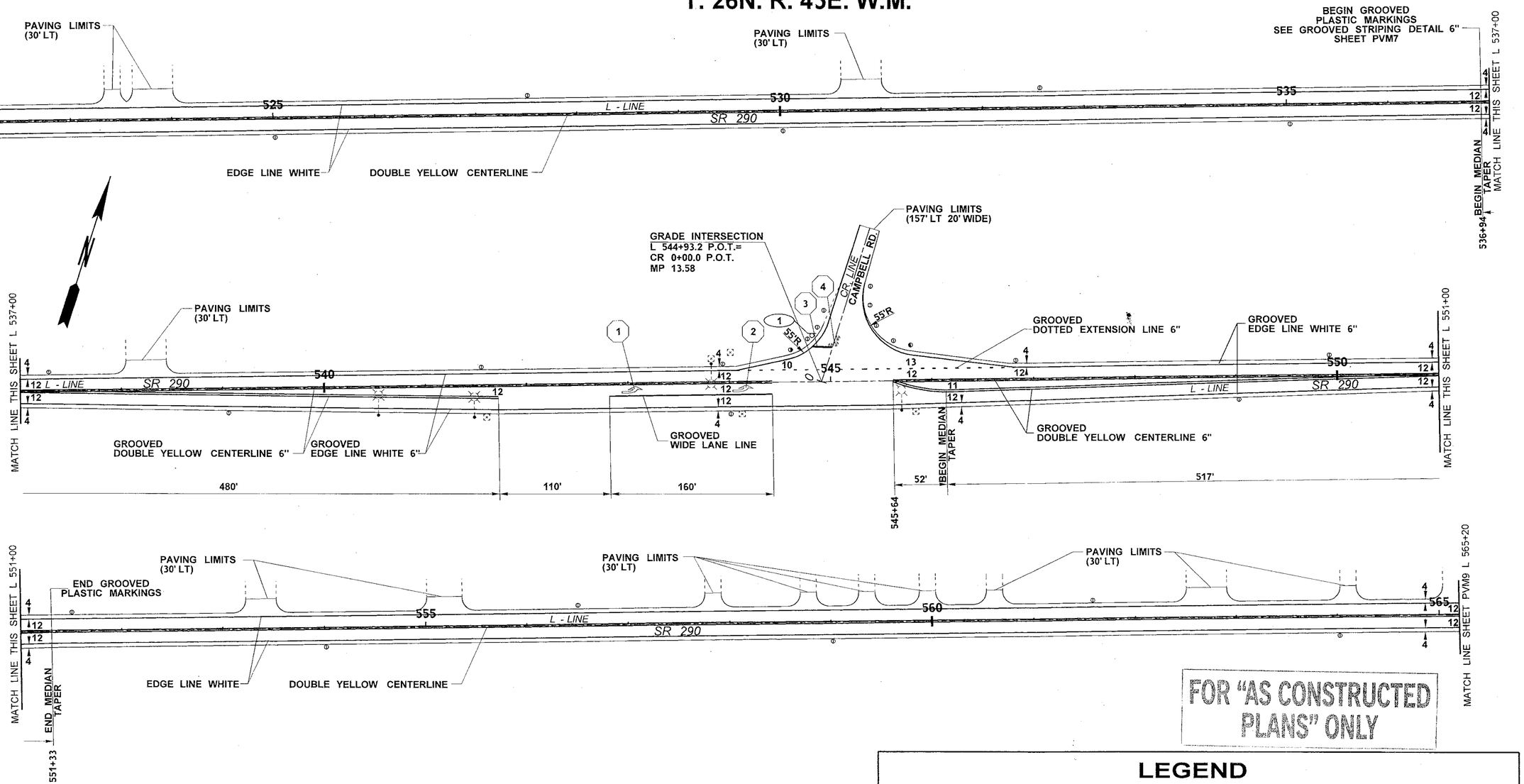
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 17
PLAN REF NO PVM7
SHEET 29 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE.
ACTUAL LOCATIONS AS STAKED IN THE FIELD.
SPACING = 528'

FOR SIGN INFORMATION SEE SHEET SD1

0 50 100
SCALE IN FEET

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE; G1 G2 Y W WW
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	
EXIST. SIGN			

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:18:59 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

NOR L. HILMES — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

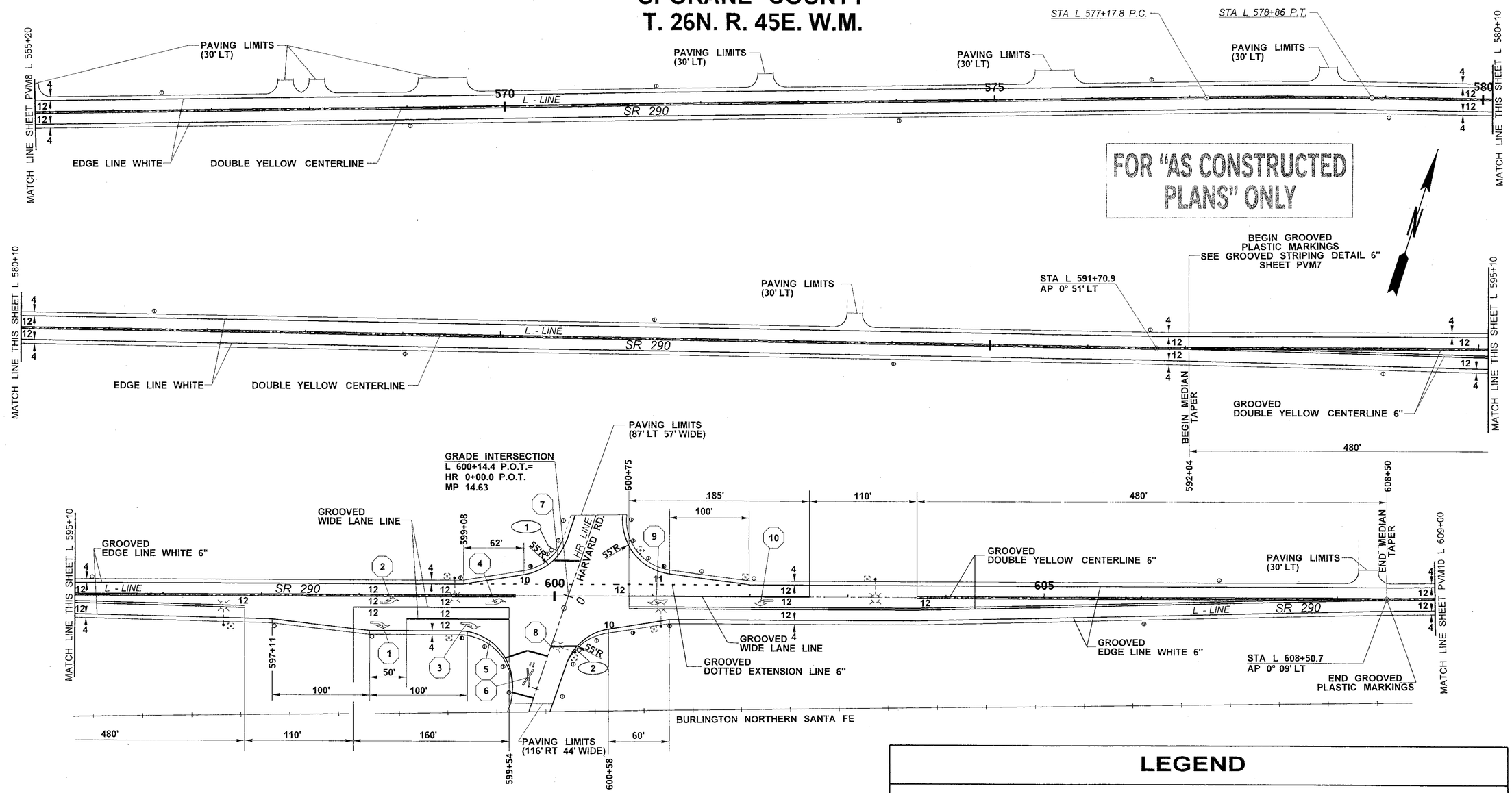
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 18
PLAN REF NO PVM8
SHEET 30 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.



0 50 100
SCALE IN FEET

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

FOR SIGN INFORMATION SEE SHEET SD1

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
EXIST. SIGN			

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DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

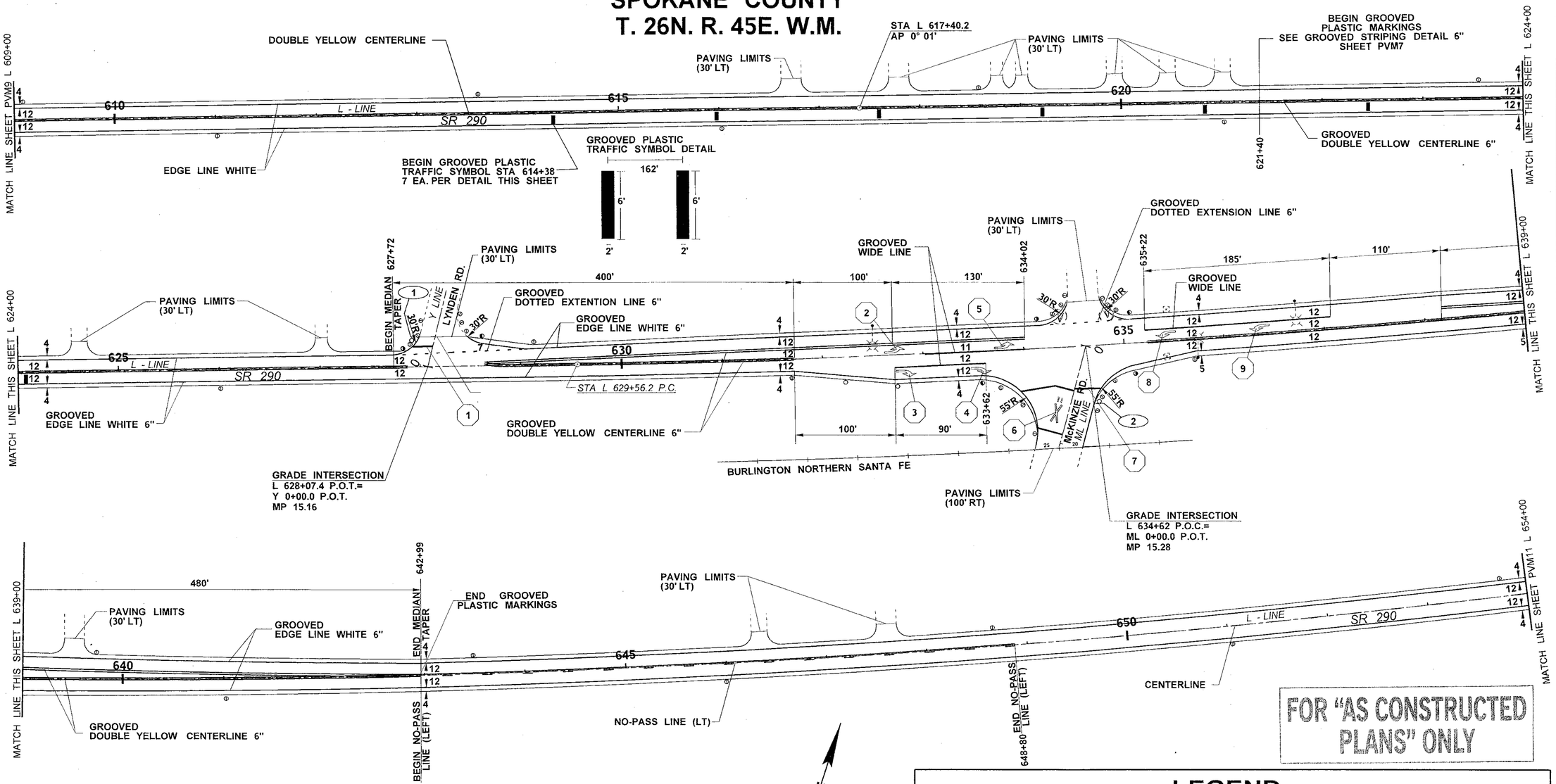
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 19
PLAN REF NO PVM9
SHEET 31 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

FOR SIGN INFORMATION SEE SHEET SD1

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW
EXIST. SIGN			

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:19:02 AM				JOB NUMBER 15Z007		
DATE	3/2/2015				CONTRACT NO.		LOCATION NO. XL4558
PLOTTED BY	RoberCH						
DESIGNED BY	C.ROBERTS						
ENTERED BY	L.HILL						
CHECKED BY	B.SPANGLE, P.E.						
PROJ. ENGR.	B.HILMES, P.E.						
REGIONAL ADM.	K.METCALF, P.E.	REVISION	DATE	BY			

BOB L. HILMES — STATE OF WASHINGTON — 32354 — REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

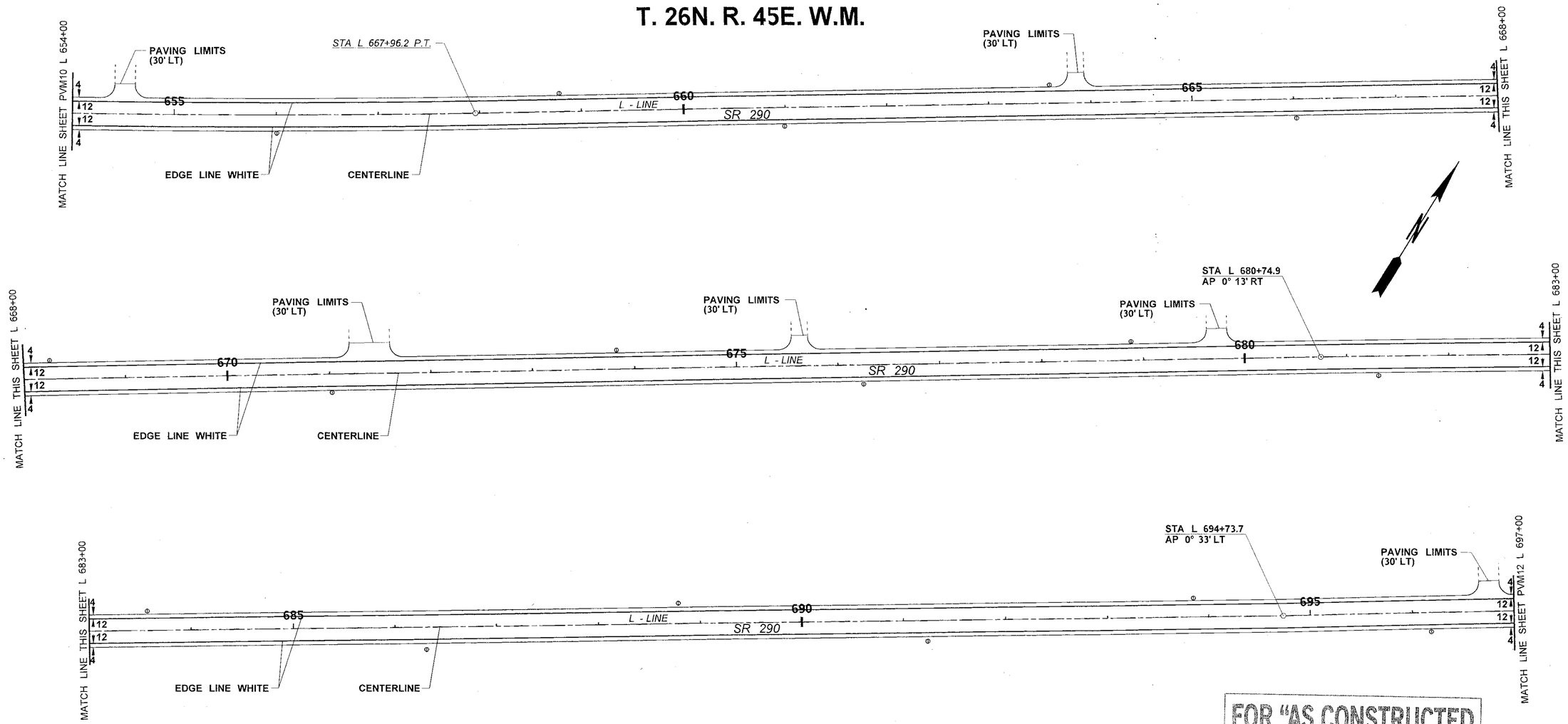
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 20
PLAN REF NO PVM10
SHEET 32 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

0 50 100
SCALE IN FEET

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:19:04 AM
DATE	3/2/2015
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DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE 3/2/15

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

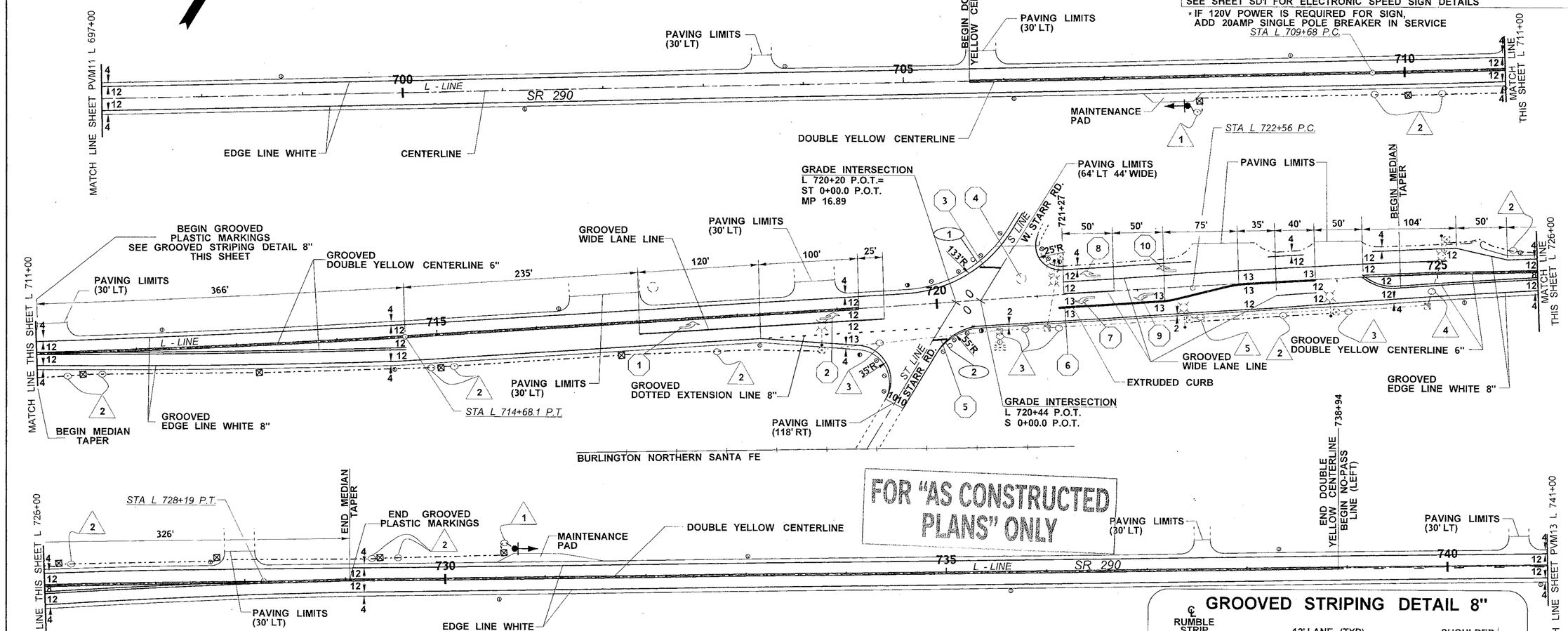
Plot 21
PLAN REF NO PVM11
SHEET 33 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.

WIRING SCHEDULE					SERVICE NO.
NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1"		2-#8	*B	NO CONTACTOR
2	1½"		2-#8	*B	NO CONTACTOR
3	EX. 1½"	2-#8 CIR A	2-#8	*B	NO CONTACTOR
4	EX. 2"	2-#8 CIR A	2-#8	*B	NO CONTACTOR
5	EX. 1"	2-#8 CIR A			

SEE SHEET SD1 FOR ELECTRONIC SPEED SIGN DETAILS

* IF 120V POWER IS REQUIRED FOR SIGN, ADD 20AMP SINGLE POLE BREAKER IN SERVICE



FOR "AS CONSTRUCTED PLANS" ONLY

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

FOR SIGN INFORMATION SEE SHEET SD1

FOR ITS - ELECTRONIC SPEED LIMIT SIGNS DETAILS, SEE SHEET SD1

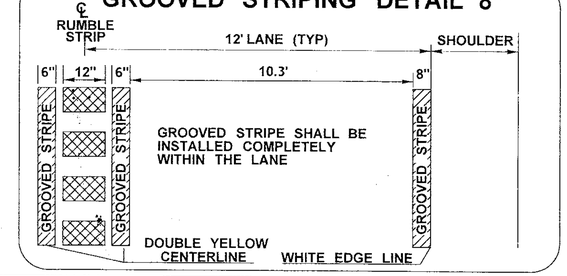
MAINTENANCE PAD FOR ELECTRONIC SPEED LIMIT SIGNS SHALL BE BUILT WITH BITUMINOUS PLANINGS AND SHALL BE INCIDENTAL TO ITS - ELECTRONIC SPEED LIMIT SIGNS (APPROX. 20 C.Y. PER PAD)

0 50 100
SCALE IN FEET

LEGEND

- EXIST. LUMINAIRE
- EXIST. J-BOX
- QUANTITY TAB
- EXIST. ACP CURB
- EXIST. ATTENUATOR
- EXIST. INLET
- EXIST. VALVE BOX
- GUIDE POSTS TYPE; G1 G2 Y W WW
- EXIST. GUARDRAIL
- EXIST. CONC. BARRIER
- EXIST. MANHOLE
- EXIST. SIGN
- ITS - ELECTRONIC SPEED LIMIT SIGN
- CONDUIT & CONDUCTORS
- JUNCTION BOX TYPE 1
- EXIST. CONDUIT & CONDUCTORS

GROOVED STRIPING DETAIL 8"



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TIME	5:45:03 AM
DATE	3/9/2015
PLOTTED BY	SpanglB
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, 22304, REGISTERED PROFESSIONAL ENGINEER
3/9/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

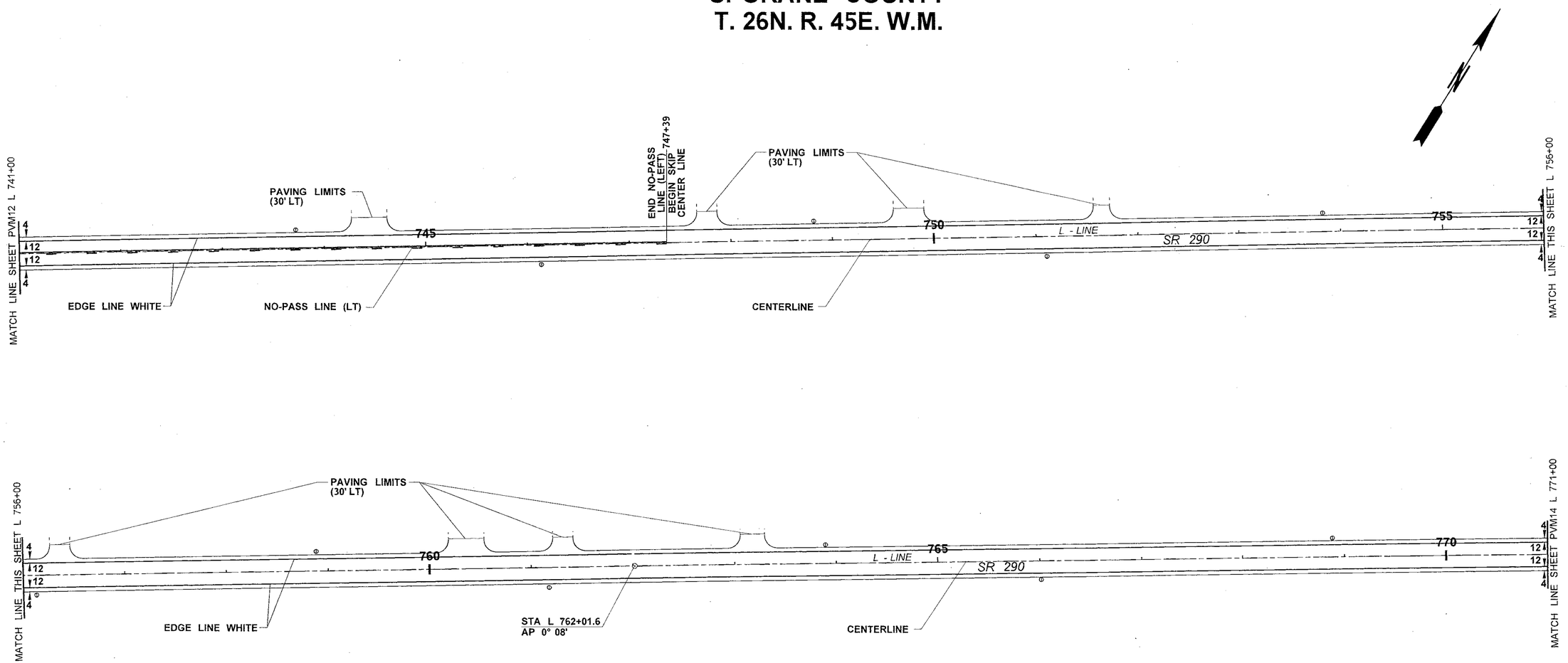
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 22
PLAN REF NO
PVM12
SHEET 34 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E. W.M.



FOR "AS CONSTRUCTED PLANS" ONLY

0 50 100
SCALE IN FEET

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE;
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	G1 G2 Y W WW

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	8:19:07 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, 32354, REGISTERED PROFESSIONAL ENGINEER

3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

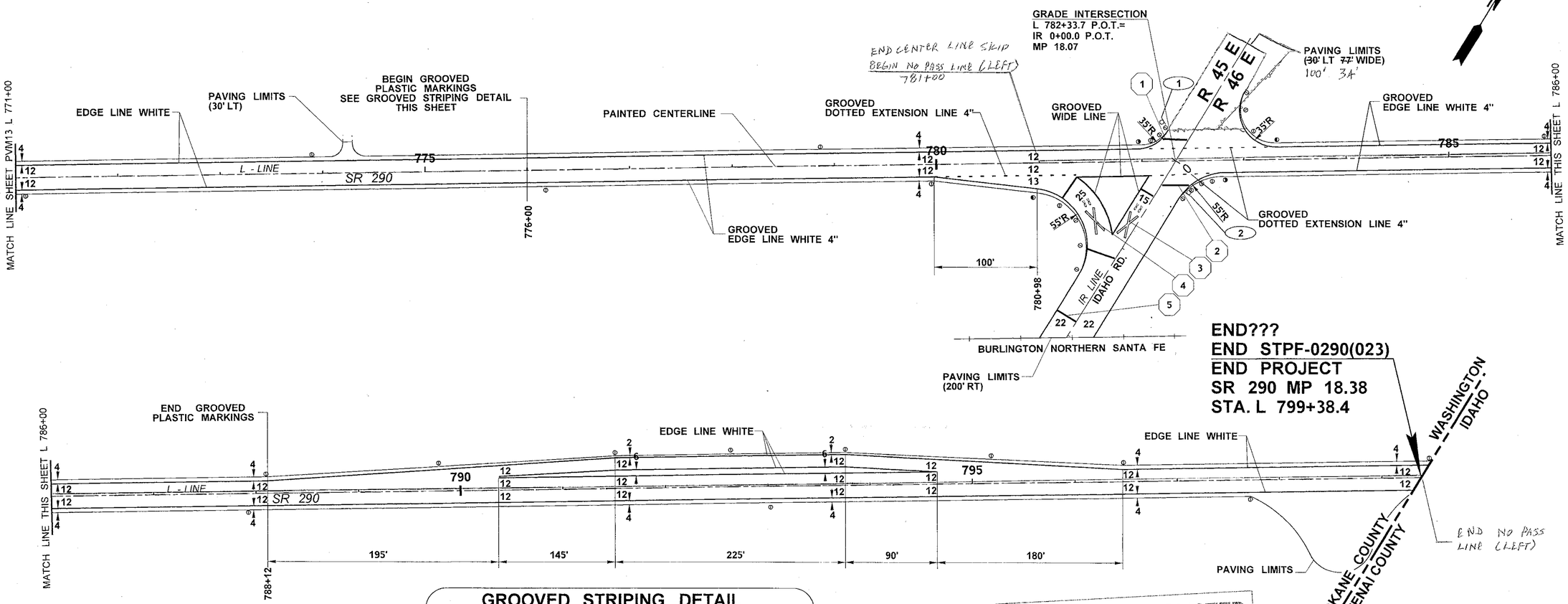
Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 23
PLAN REF NO PVM13
SHEET 35 OF 72 SHEETS

SPOKANE COUNTY
T. 26N. R. 45E., R. 46E. W.M.



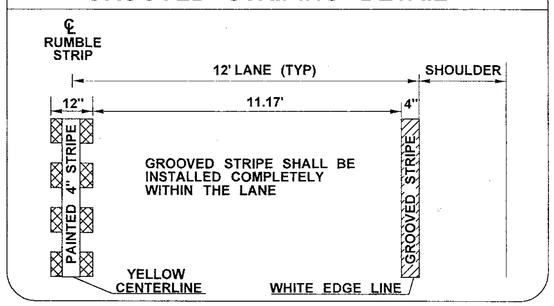
FOR "AS CONSTRUCTED PLANS" ONLY

NOTE: GUIDE POST LOCATIONS SHOWN ARE APPROXIMATE. ACTUAL LOCATIONS AS STAKED IN THE FIELD. SPACING = 528'

FOR SIGN INFORMATION SEE SHEET SD1

0 50 100
SCALE IN FEET

GROOVED STRIPING DETAIL



LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1	QUANTITY TAB	EXIST. ACP CURB
EXIST. ATTENUATOR	EXIST. INLET	EXIST. VALVE BOX	GUIDE POSTS TYPE; G1 G2 Y W WW
EXIST. GUARDRAIL	EXIST. CONC. BARRIER	EXIST. MANHOLE	
EXIST. SIGN			

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DATE	3/2/2015					
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DESIGNED BY	C.ROBERTS					
ENTERED BY	L.HILL					
CHECKED BY	B.SPANGLE, P.E.					
PROJ. ENGR.	B.HILMES, P.E.					
REGIONAL ADM.	K.METCALF, P.E.	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER
3/2/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

PAVING / PAVEMENT MARKING PLAN

Plot 24
PLAN REF NO PVM14
SHEET 36 OF 72 SHEETS

SPOKANE COUNTY
T. 25N. R. 44E. W.M.

FOR "AS CONSTRUCTED PLANS" ONLY

WIRING SCHEDULE

NO.	CONDUIT SIZE	WIRE	PURPOSE
1	EXIST 2"	2-#8	ILLUMINATION
2	1½"	2-#8	ILLUMINATION
3	1"	2-#8	ILLUMINATION
4	2" SCH. 40	*	AVISTA POWER
5	2"	4-#8	ILLUMINATION

*AVISTA TO INSTALL POWER FEED CONDUCTORS

BREAKER SCHEDULE - SULLIVAN RD
TYPE B MODIFIED SERVICE 120/240V

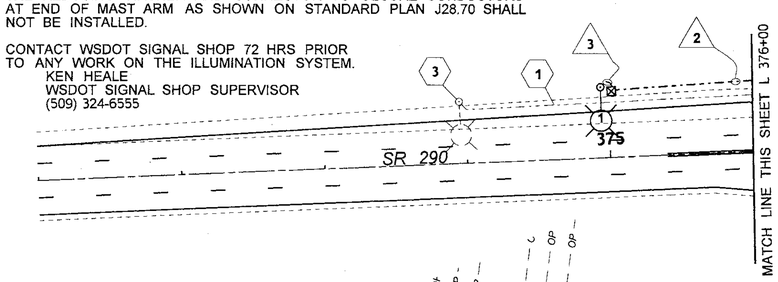
CIRCUIT	DESCRIPTION	LUMINAIRES	BREAKER RATING	CONTACTOR RATING	VOLTAGE
---	MAIN	----	200 AMP	---	240
A	ILLUMINATION A	1-4	20 AMP	30 AMP	240
B	ILLUMINATION B	5-8	20 AMP	30 AMP	240
C	SPARE	----	---	---	---
D	SPARE	----	---	---	---

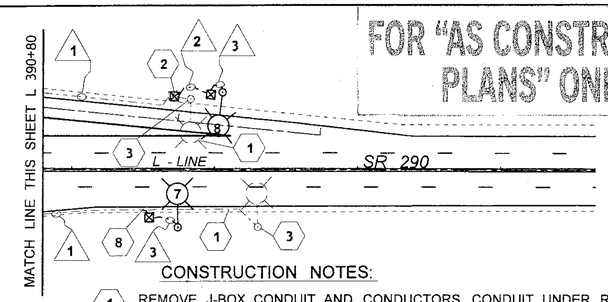
GENERAL NOTES:

EXISTING CONDUIT SHALL HAVE NEW GROUNDED END BUSHINGS INSTALLED.

THE REDUCING WASHER AND CONNECTOR TO SECURE CONDUCTORS AT END OF MAST ARM AS SHOWN ON STANDARD PLAN J28.70 SHALL NOT BE INSTALLED.

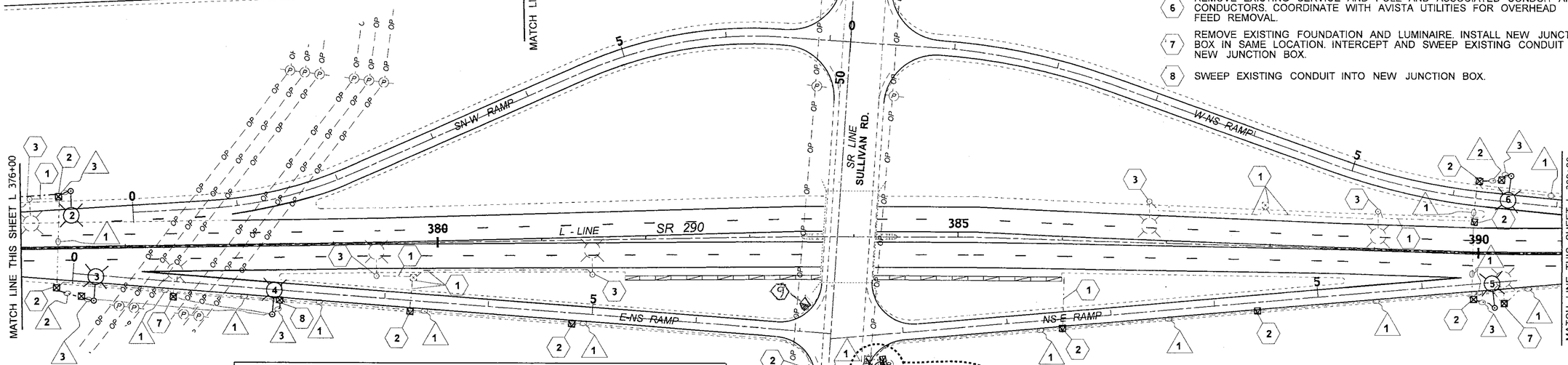
CONTACT WSDOT SIGNAL SHOP 72 HRS PRIOR TO ANY WORK ON THE ILLUMINATION SYSTEM.
KEN HEALE
WSDOT SIGNAL SHOP SUPERVISOR
(509) 324-6555





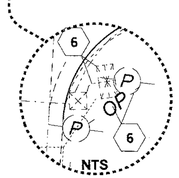
CONSTRUCTION NOTES:

1. REMOVE J-BOX, CONDUIT AND CONDUCTORS. CONDUIT UNDER ROADWAY TO REMAIN.
2. REPLACE EXISTING JUNCTION BOX WITH NEW JUNCTION BOX IN ~~SAME LOCATION~~ SIDEWALK LANDING. INTERCEPT AND SWEEP EXISTING CONDUIT INTO NEW J-BOX. NOTE (2) STILL APPLIES WHERE SHOWN.
3. REMOVE EXISTING FOUNDATION, LUMINAIRE, AND ASSOCIATED CONDUCTORS.
4. STUB AND CAP CONDUIT NINE HORIZONTAL INCHES FROM BOTTOM OF AVISTA POLE, ABOVE FINISH GRADE. RADIUS SWEEPS SHALL BE 24 INCH.
5. INSTALL POST MOUNT TYPE B MODIFIED SERVICE. SEE STD PLAN J-3b, POST MOUNT.
6. REMOVE EXISTING SERVICE AND POLE AND ASSOCIATED CONDUIT AND CONDUCTORS. COORDINATE WITH AVISTA UTILITIES FOR OVERHEAD FEED REMOVAL.
7. REMOVE EXISTING FOUNDATION AND LUMINAIRE. INSTALL NEW JUNCTION BOX IN SAME LOCATION. INTERCEPT AND SWEEP EXISTING CONDUIT INTO NEW JUNCTION BOX.
8. SWEEP EXISTING CONDUIT INTO NEW JUNCTION BOX.

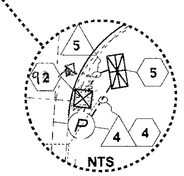


LUMINAIRE SCHEDULE

LUMINAIRE NO.	STATION (OFFSET)	CIRCUIT NO.	H1	BASE TYPE	MAST ARM LENGTH	LUMINAIRE WATTS	LUMINAIRE DIST.	LUMINAIRE VOLTS	NOTES
1	SR 290 L 374+95 (49.5' LT)	1	40	SLIP	16'	250	MC3	240	
2	SR 290 L 376+50 (54.5' LT)	1	40	SLIP	16'	250	MC3	240	
3	E-NS 0+22 (24.5' RT)	1	40	SLIP	16'	250	MC3	240	
4	E-NS 1+93 (24.5' RT)	1	40	FIXED	16'	250	MC3	240	
5	NS-E 6+68 (24.5' RT)	2	40	FIXED	16'	250	MC3	240	
6	W-NS 6+53 (24.9' LT)	2	40	SLIP	16'	250	MC3	240	
7	SR 290 L 391+75 (40.2' RT)	2	40	SLIP	16'	250	MC3	240	
8	W-NS 8+30 (22.8' LT)	2	40	SLIP	16'	250	MC3	240	



EXISTING



PROPOSED

0 50 100
SCALE IN FEET

LEGEND

EXIST. LUMINAIRE	EXIST. J-BOX TYPE 1
EXIST. SERVICE	J-BOX TYPE 1
LUMINAIRE	J-BOX TYPE 4 (TRAFFIC BEARING)
SERVICE	EXIST. CONDUIT
EXIST. POWER POLE	CONDUIT
EXIST. OVERHEAD POWER	CONST. NOTE
J-BOX TYPE 2	WIRE NOTE

FILE NAME	G:\Task Orders\SR 290\XL4558 - SR 290 Sullivan Rd to Idaho State Line\Illumination Design\XL4558_PS_IL.dgn
TIME	8:56:59 AM
DATE	3/3/2015
PLOTTED BY	KassaD
DESIGNED BY	D. KASSA
ENTERED BY	D. KASSA
CHECKED BY	R. MOORHEAD, P.E.
TRAFFIC ENGR.	L. FROSTAD, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 14Z005
CONTRACT NO.
LOCATION NO. XL4558

LAWRENCE L. FROSTAD, STATE OF WASHINGTON, 30033, REGISTERED PROFESSIONAL ENGINEER
March 3, 2015
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

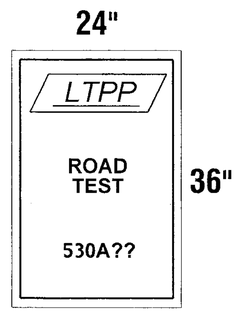
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

ILLUMINATION PLAN

Plot 11
PLAN REF NO IL1
SHEET 37 OF 72 SHEETS

SIGN NOTES:

1. SIGN SIZE 24 INCHES WIDE - 36 INCHES HIGH
2. BLUE BACKGROUND
3. WHITE LETTERS
4. WHITE BORDER, 1 INCH WIDE, OFFSET 0.5 INCH FROM EDGE
5. LETTERS AND NUMBERS, WHITE, 4 INCH HEIGHT
6. LTPP LOGO, 12.5 IN. WIDE - 6 INCH HEIGHT. (CONTRACTING AGENCY PROVIDED)
7. 4 X 6 POST; LENGTH 11 FEET
8. ACTUAL SIGN LOCATION WILL BE STAKED IN THE FIELD BY THE ENGINEER



SPECIAL

WHITE ON BLUE

SR 290

NUMBER	STATION	LT/RT	SECTION
PVM2-1	SR290 STA. L 394+00.00	LT	530A02
PVM2-2	SR290 STA. L 410+00.00	LT	530A03
PVM2-3	SR290 STA. L 410+00.00	RT	530A59
PVM2-5	SR290 STA. L 426+00.00	RT	530A60
PVM3-3	SR290 STA. L 447+00.00	RT	530A01
PVM4-1	SR290 STA. L 463+00.00	LT	530A01

SPS-10 TRIAL SECTION PERMANENT SIGNING DETAIL

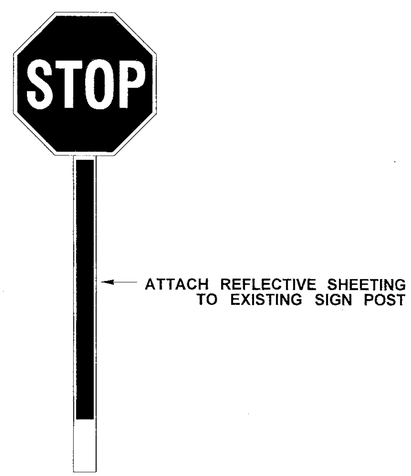
SIGN NOTES:

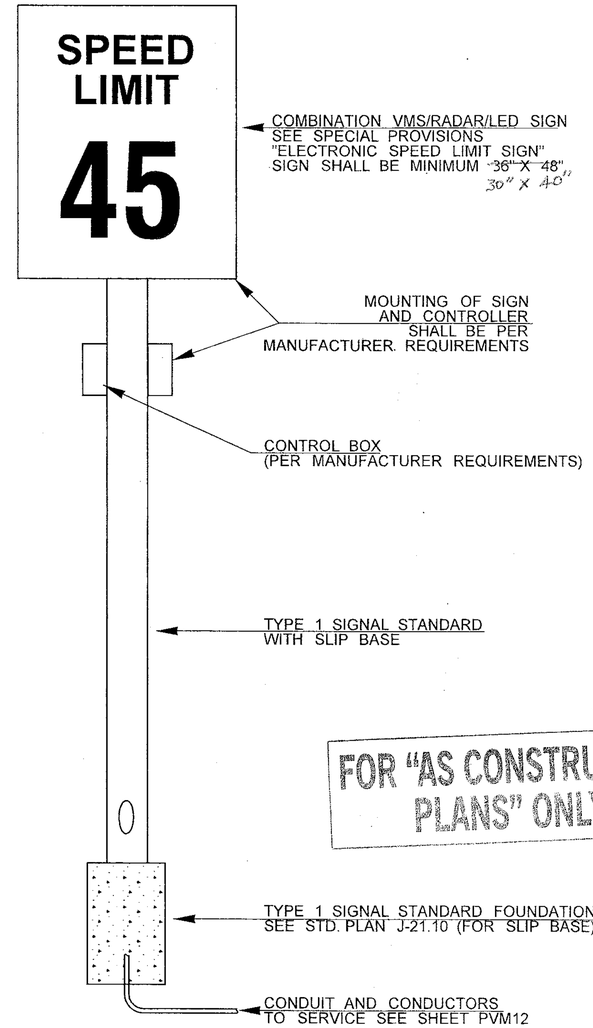
1. RETRO- REFLECTIVE SHEETING STRIPS SHALL BE 3 INCHES BY 60 INCHES RED TYPE III OR IV SHEETING ON 0.050 INCH THICK ALUMINUM BACKING.
2. ATTACH TO EXISTING POST USING GALVANIZED NAILS OR SMALL LAG BOLTS.(3 EACH)

SR 290

NUMBER	LOCATION	STATION	LT/RT
PVM2-4	LILLIAN RD.	SR290 STA. L 415+33.60	LT
PVM3-1,2	FLORA RD.	SR290 STA. L 437+05.02	LT/RT
PVM4-3	DEL REY RD.	SR290 STA. L 473+74.00	LT
PVM5-1	BARKER RD.	SR290 STA. L 488+00.00	RT
PVM8-1	CAMPBELL RD.	SR290 STA. L 544+63.20	LT
PVM9-1,2	HARVARD RD.	SR290 STA. L 600+14.40	LT/RT
PVM10-1	LYNDEN RD.	SR290 STA. L 628+07.40	LT
PVM10-2	McKINZIE RD.	SR290 STA. L 634+62.00	RT
PVM12-2	STAR RD.	SR290 STA. L 720+20.00	RT
PVM12-1	STAR RD.	SR290 STA. L 720+44.00	LT
PVM14-1,2	IDAHO RD.	SR290 STA. L 782+33.70	LT/RT

SIGN POST REFLECTOR DETAIL



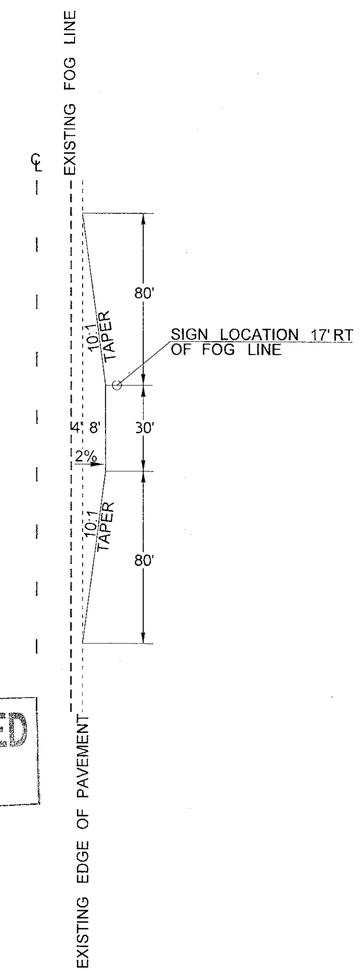


FOR "AS CONSTRUCTED PLANS" ONLY

ELECTRONIC SPEED LIMIT SIGN DETAIL

STATION

EB STA. 707+60
WB STA. 730+56



MAINTENANCE PAD DETAIL

MAINTENANCE PAD FOR ELECTRONIC SPEED LIMIT SIGNS SHALL BE BUILT WITH BITUMINOUS PLANINGS AND SHALL BE INCIDENTAL TO ITS - ELECTRONIC SPEED LIMIT SIGNS (APPROX. 20 C.Y. PER PAD)

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 Align.dgn
TIME	5:45:04 AM
DATE	3/9/2015
PLOTTED BY	SpanglB
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

BOB L. HILMES, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER 36354
3/9/15
DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

SIGNING DETAILS

Plot 25
PLAN REF NO SD1
SHEET 38 OF 72 SHEETS

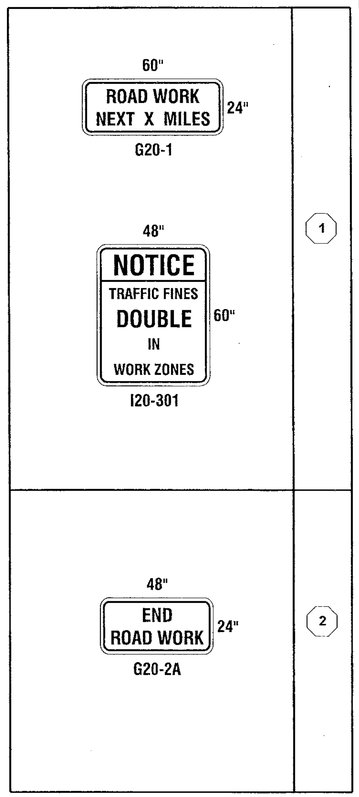
SPOKANE COUNTY

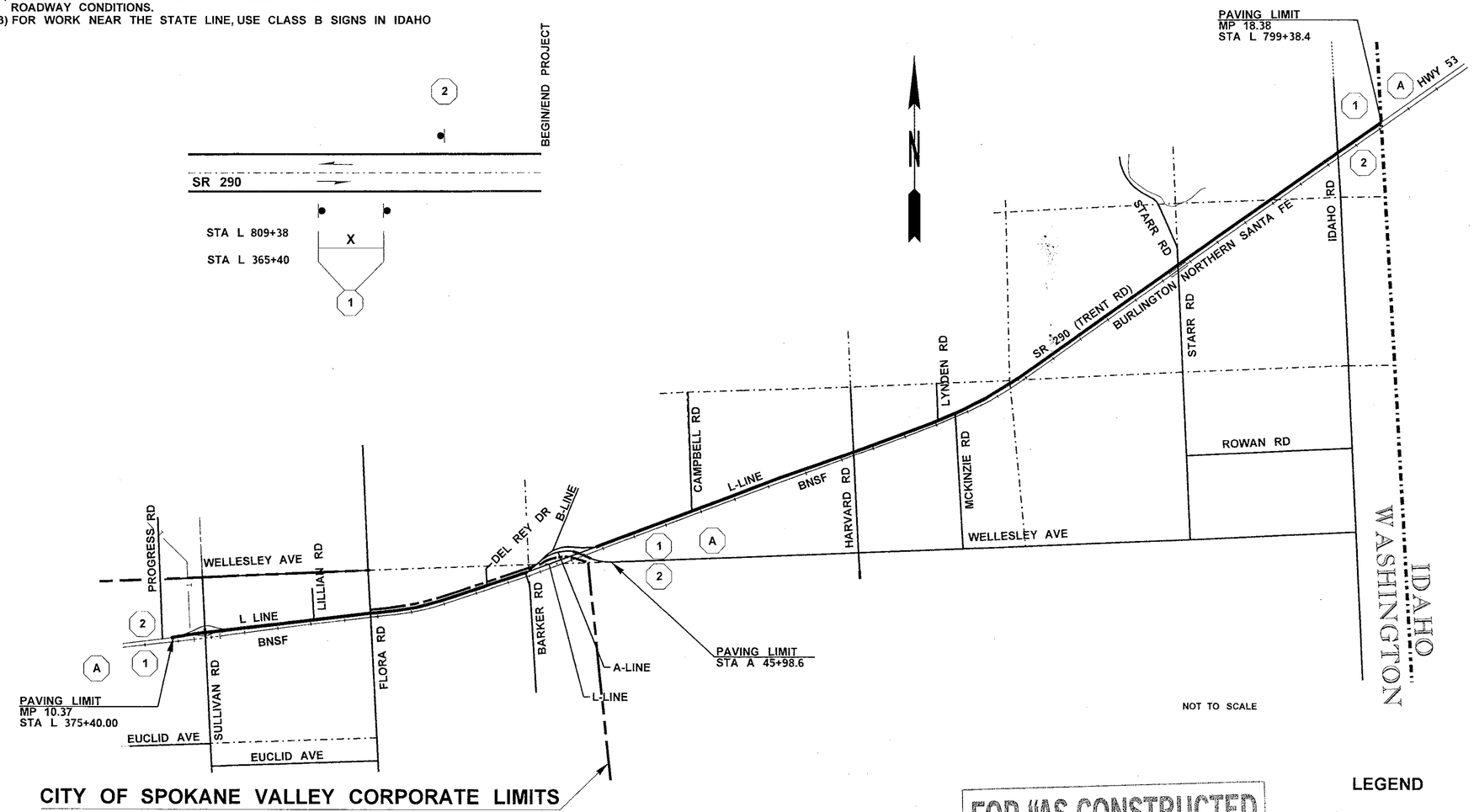
T. 25N.,T. 26N. R. 44 E., R. 45 E., R 46 E. W.M.

CONSTRUCTION SIGNS CLASS A

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

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.
(3) FOR WORK NEAR THE STATE LINE, USE CLASS B SIGNS IN IDAHO





NOT TO SCALE

PCMS	
1	2
ROAD PAVING WORK	BEGINS JUNE 15
1.5 SEC	1.5 SEC

A

FIELD LOCATE 500' IN ADVANCE OF THE WORKZONE 3 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION

FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

● CLASS A SIGN LOCATION

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:26:56 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C. ROBERTS
ENTERED BY	J. ROBBINS
CHECKED BY	B. SPANGLE, P.E.
PROJ. ENGR.	B. HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

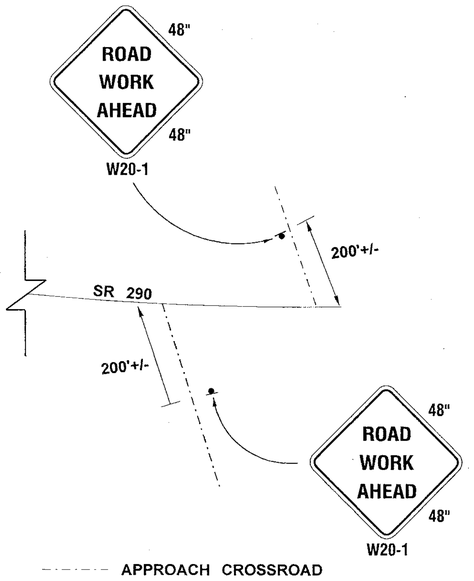
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 1

PLAN REF NO TC1

SHEET 39 OF 72 SHEETS



TYPICAL CLASS A SIGN LAYOUT AT CROSSROADS

STATION	MILE POST	LOCATION	APPROACH NAME	SIGN NAME
SR290 STA. L 383+85	MP. 10.53	LT/RT	SULLIVAN RD.	ROAD WORK AHEAD
SR290 STA. L 415+34	MP. 11.12	LT	LILIAN RD.	ROAD WORK AHEAD
SR290 STA. L 437+05	MP. 11.54	LT/RT	FLORA RD.	ROAD WORK AHEAD
SR290 STA. L 473+80	MP. 12.24	LT	DEL REY DR.	ROAD WORK AHEAD
SR290 STA. L 488+00	MP. 12.50	RT	BARKER RD.	ROAD WORK AHEAD
SR290 STA. L 544+93	MP. 13.58	LT	CAMPBELL RD.	ROAD WORK AHEAD
SR290 STA. L 600+14	MP. 14.63	LT/RT	HARVARD RD.	ROAD WORK AHEAD
SR290 STA. L 628+07	MP. 15.16	LT	LYNDEN RD.	ROAD WORK AHEAD
SR290 STA. L 634+62	MP. 15.28	LT/RT	MCKINZIE RD.	ROAD WORK AHEAD
SR290 STA. L 720+20	MP. 16.89	LT/RT	STAR RD.	ROAD WORK AHEAD
SR290 STA. L 782+34	MP. 18.07	LT/RT	IDAHO RD.	ROAD WORK AHEAD

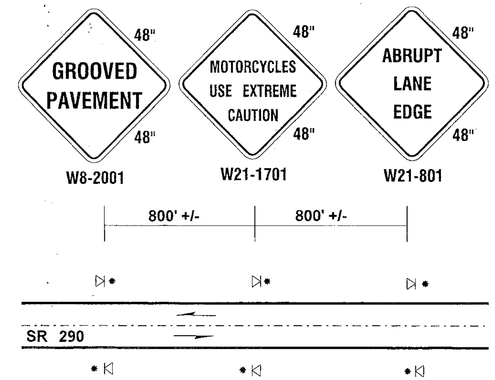
CLASS A NO PASSING/PASSING SIGNS

BLACK ON WHITE
24"
DO NOT PASS
30"
R4-1

BLACK ON WHITE
24"
PASS WITH CARE
30"
R4-2

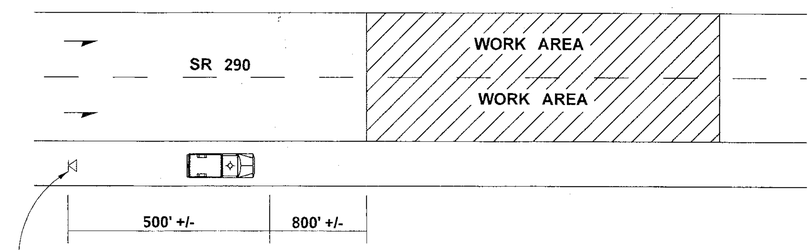
SR 290

STATION	LT/RT	DNP	PWC
SR290 STA. L 642+99 EB	RT		X
SR290 STA. L 648+90 WB	LT	X	
SR290 STA. L 705+68	LT/RT	RT	LT
SR290 STA. L 738+94 EB	RT		X
SR290 STA. L 747+39 WB	LT	X	



* THESE SIGNS SHALL BE INSTALLED ON BOTH SIDES OF THE ROADWAY THROUGHOUT THE PROJECT DURING PLANING AND PAVING OPERATIONS AS DESIGNATED BY THE ENGINEER. THEY SHALL ALSO BE INSTALLED ON SIDE ROAD APPROACHES WHEN SUCH CONDITIONS EXIST AT GRADE CROSSINGS.

FOR "AS CONSTRUCTED PLANS" ONLY



W20-SPECIAL

24"
BICYCLES WAIT HERE FOR TRANSPORT THRU WORK ZONE
30"
3C
3C
3C
3C
2B

BORDER
R=1.5"
TH=0.63"
IN=0.47"

BLACK ON ORANGE

CONSTRUCTION NOTE:

SEE TRAFFIC CONTROL SUPERVISOR SPECIAL PROVISONS FOR CONTRACTOR REQUIRED BICYCLE PLAN.

GENERAL NOTE:

ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED

LEGEND

- CLASS B SIGN LOCATION
- CLASS A SIGN LOCATION
- BICYCLE TRANSPORT VEHICLE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:26:58 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C. ROBERTS
ENTERED BY	J. ROBBINS
CHECKED BY	B. SPANGLE, P.E.
PROJ. ENGR.	B. HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO.
JOB NUMBER 15Z007
CONTRACT NO.
LOCATION NO. XL4558

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

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 2
PLAN REF NO TC2
SHEET 40 OF 72 SHEETS

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

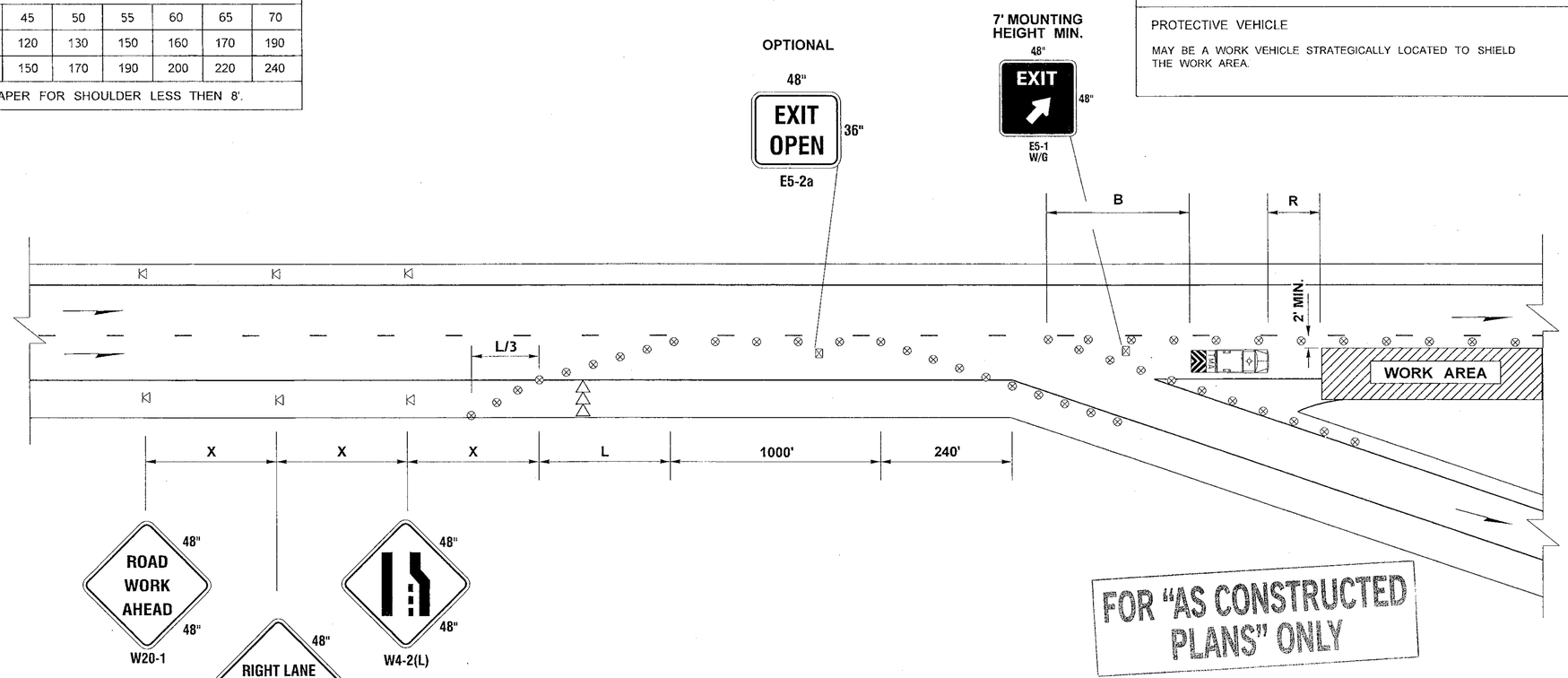
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

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

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60
REDUCE SPACING BY HALF DURING HOURS OF DARKNESS		

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

TEMPORARY OFF-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

NOTES:

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. USE A DOWNSTREAM TAPER TO END THE LANE CLOSURE WITH 20' DEVICE SPACING.
3. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
4. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000'
5. USE A SHORT TERM RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
6. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn						
TIME	12:00:01 PM						
DATE	3/2/2015						
PLOTTED BY	SpanglB						
DESIGNED BY	C. ROBERTS						
ENTERED BY	J. ROBBINS						
CHECKED BY	B. SPANGLE, P.E.						
PROJ. ENGR.	B. HILMES, P.E.						
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY			

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 3

PLAN REF NO TC3

SHEET 41 OF 72 SHEETS

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

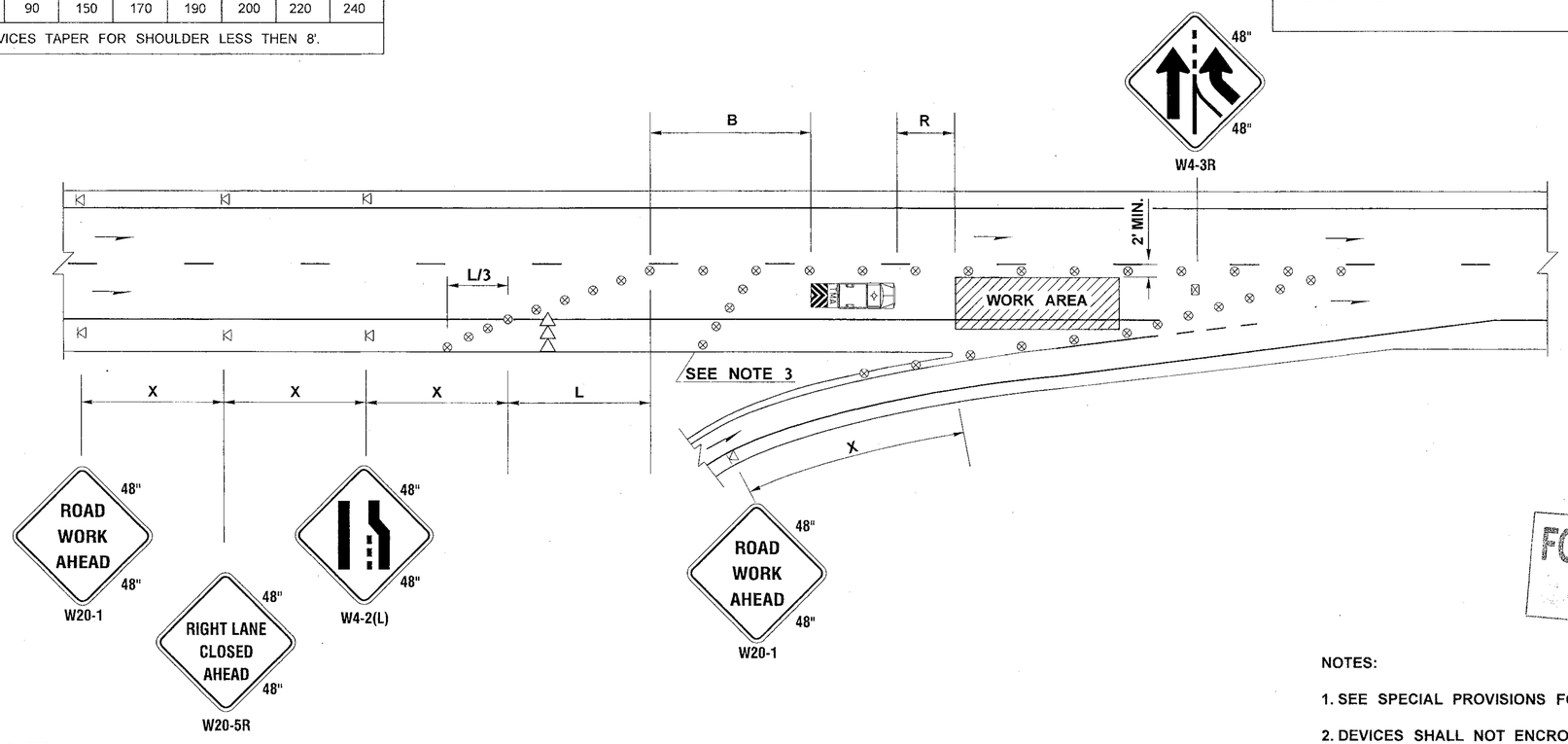
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

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

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60
REDUCE SPACING BY HALF DURING HOURS OF DARKNESS		

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

NOTES:

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. DEVICES SHALL NOT ENCROACH INTO ADJACENT LANES.
3. USE TRANSVERSE DEVICES IN CLOSED LANES EVERY 1000'±
4. USE A SHORT TERM RAMP CLOSURE WHEN THE WORK AREA LOCATION RESTRICTS RAMP ACCESS.
5. ALL SIGNS ARE BLACK ON ORANGE.

TEMPORARY ON-RAMP FOR MULTI-LANE ROADWAYS

NOT TO SCALE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn						
TIME	8:27:00 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	3/2/2015				JOB NUMBER 15Z007		
PLOTTED BY	RoberCH						
DESIGNED BY	C. ROBERTS				CONTRACT NO.		LOCATION NO. XL4558
ENTERED BY	J. ROBBINS						
CHECKED BY	B. SPANGLE, P.E.						
PROJ. ENGR.	B. HILMES, P.E.						
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 4

PLAN REF NO TC4

SHEET 42 OF 72 SHEETS

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

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

MINIMUM TAPER LENGTH = L (feet)

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

CHANNELIZATION DEVICE SPACING (feet)

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

REDUCE SPACING BY HALF DURING HOURS OF DARKNESS

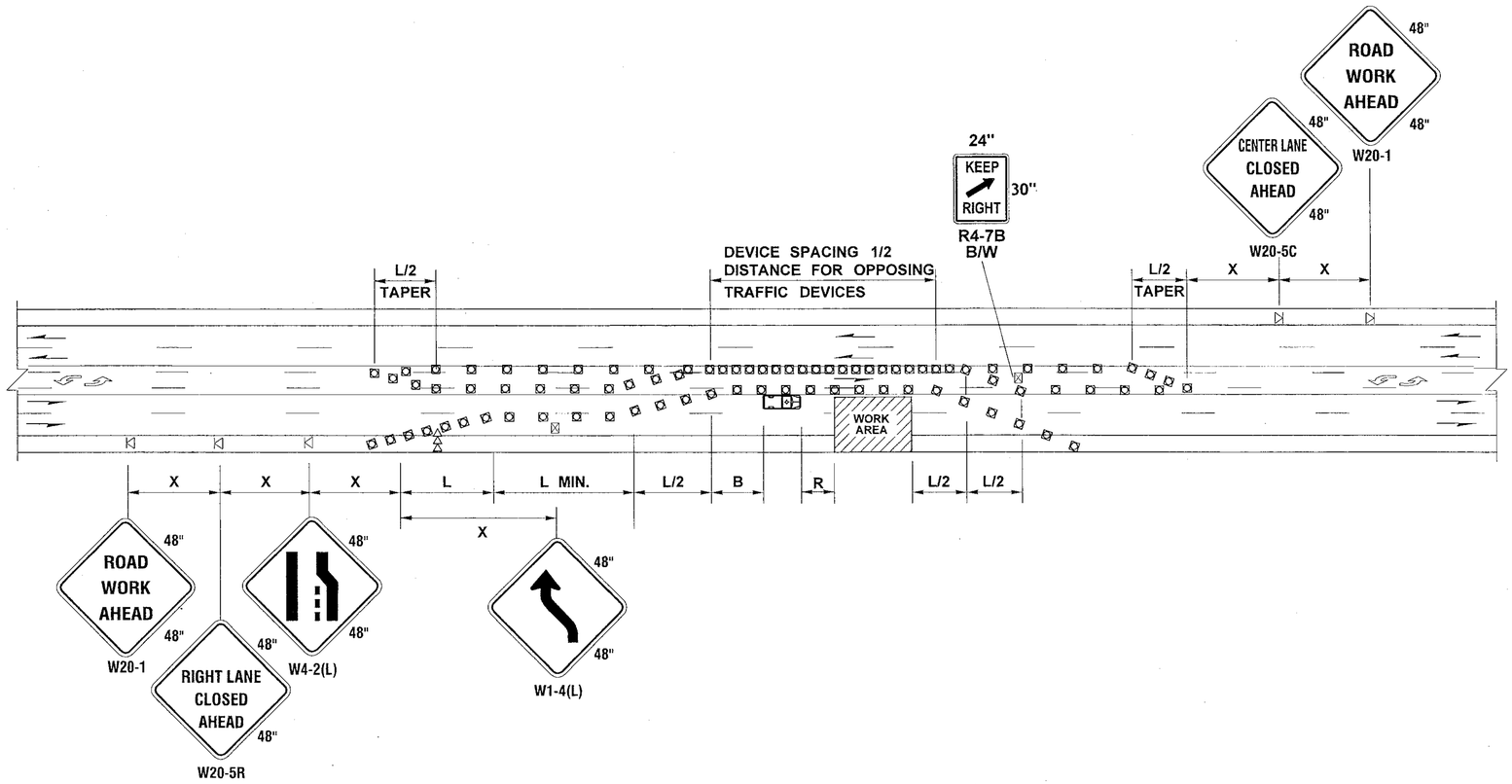
BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICE
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

NOTES:

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

RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY

NOT TO SCALE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:02 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C. ROBERTS
ENTERED BY	J. ROBBINS
CHECKED BY	B. SPANGLE, P.E.
PROJ. ENGR.	B. HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 5

PLAN REF NO TC5

SHEET 43 OF 72 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED

SIGN SPACING = X (1)

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

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

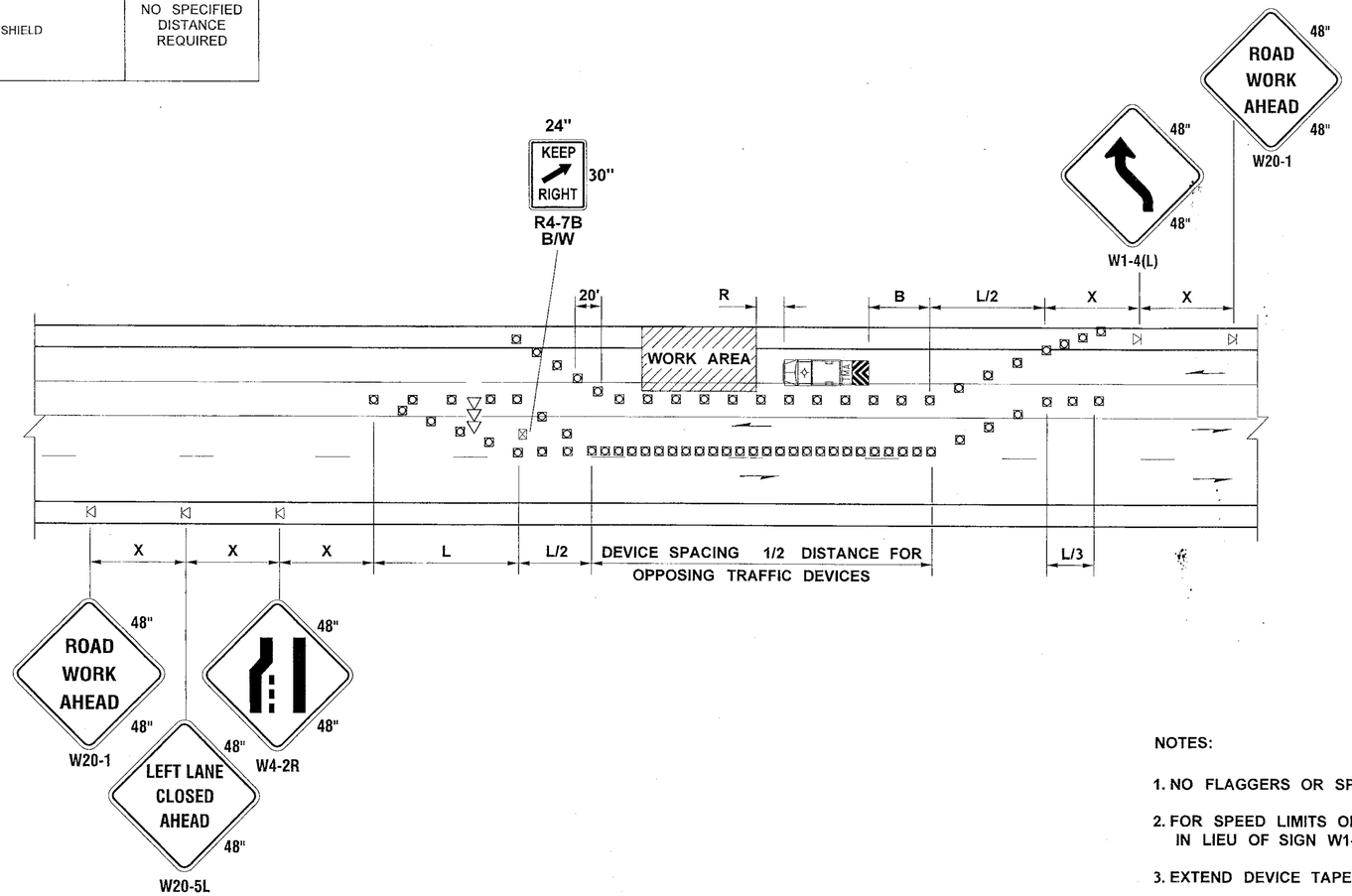
MINIMUM TAPER LENGTH = L (feet)

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

CHANNELIZATION DEVICE SPACING (feet)

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

REDUCE SPACING BY HALF DURING HOURS OF DARKNESS



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. FOR SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
3. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

LANE SHIFT - THREE LANE ROADWAY

NOT TO SCALE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:03 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C. ROBERTS
ENTERED BY	J. ROBBINS
CHECKED BY	B. SPANGLE, P.E.
PROJ. ENGR.	B. HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

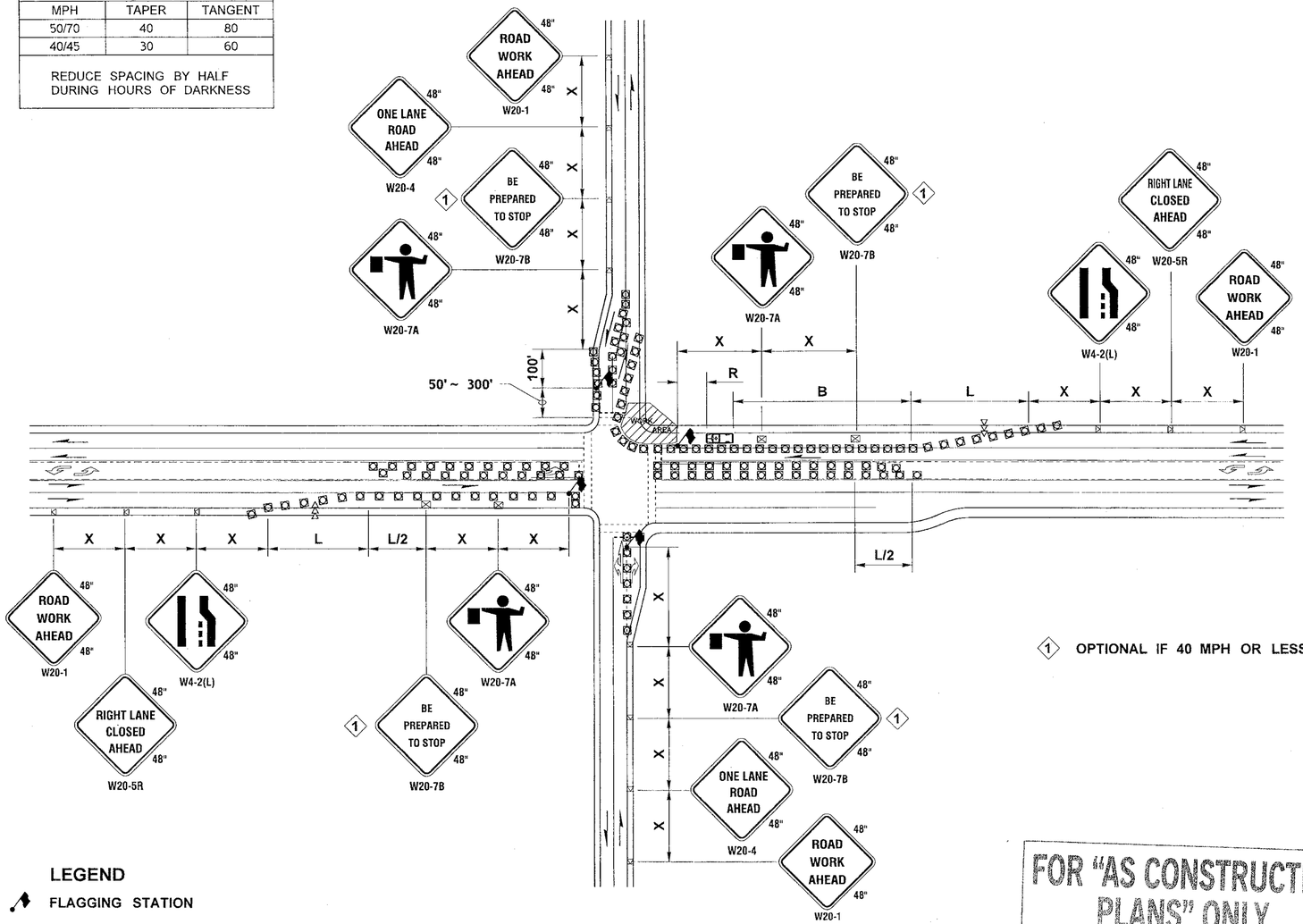
TRAFFIC CONTROL

Plot 6

PLAN REF NO TC6

SHEET 44 OF 72 SHEETS

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60
REDUCE SPACING BY HALF DURING HOURS OF DARKNESS		



1 OPTIONAL IF 40 MPH OR LESS

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	-

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED

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

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

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

LEGEND

- FLAGGING STATION
- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE REQUIRED
- TEMPORARY SIGN LOCTION (5' MOUNTING HEIGHT)

INTERSECTION LANE CLOSURE ~ FIVE LANE ROADWAY

FOR "AS CONSTRUCTED PLANS" ONLY

NOTES:

1. PROTECTIVE VEHICLE REQUIRED - MAY BE A WORK VEHICLE.
2. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
3. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
   CONTACT: TIM MCINTYRE (509) 477-7702
   A MINIMUN OF TWO WORKING DAYS IN ADVANCE
4. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC.
5. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
6. ALL SIGNS ARE BLACK ON ORANGE.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn						
TIME	8:27:04 AM				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
DATE	3/2/2015						
PLOTTED BY	RoberCH				JOB NUMBER 15Z007		
DESIGNED BY	C. ROBERTS						
ENTERED BY	J. ROBBINS						
CHECKED BY	B. SPANGLE, P.E.				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	B. HILMES, P.E.						XL4558
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 7
PLAN REF NO TC7
SHEET 45 OF 72 SHEETS

BUFFER DATA

LONGITUDINAL BUFFER SPACE = B

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R

TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)

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

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)

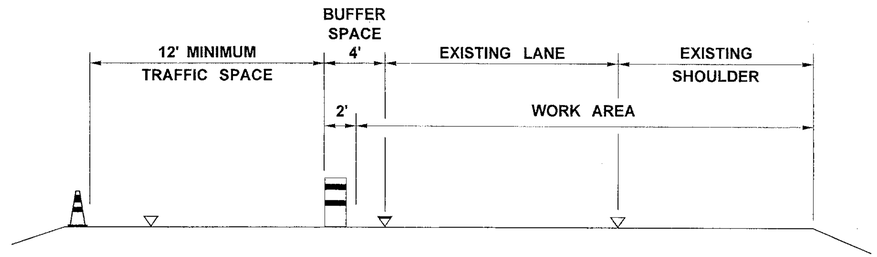
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

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

CHANNELIZATION DEVICE SPACING (feet)

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

REDUCE SPACING BY HALF DURING HOURS OF DARKNESS



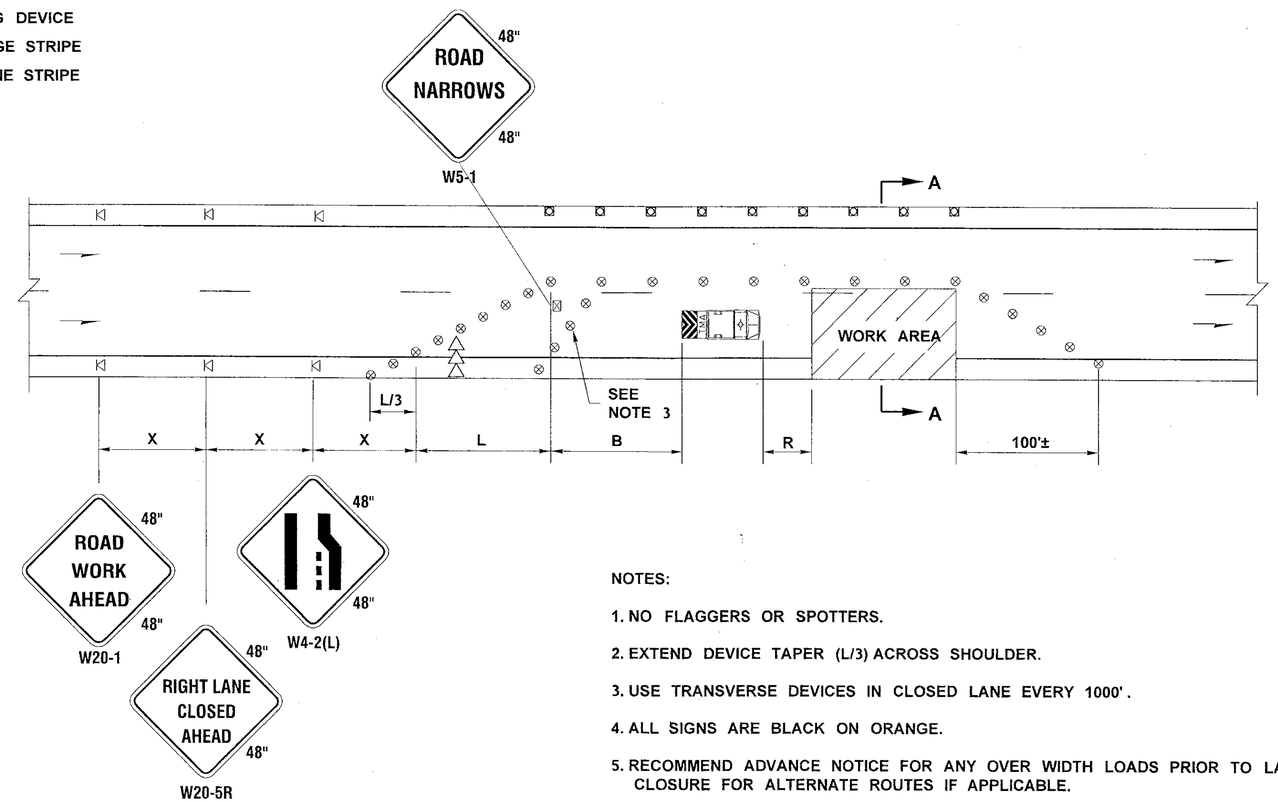
TYPICAL SECTION A-A

SIGN SPACING = X (1)

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

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

CHANNELIZING DEVICE
EXISTING EDGE STRIPE
EXISTING LANE STRIPE



NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. EXTEND DEVICE TAPER (L/3) ACROSS SHOULDER.
3. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'.
4. ALL SIGNS ARE BLACK ON ORANGE.
5. RECOMMEND ADVANCE NOTICE FOR ANY OVER WIDTH LOADS PRIOR TO LANE CLOSURE FOR ALTERNATE ROUTES IF APPLICABLE.
6. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR
- TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

SINGLE-LANE CLOSURE WITH SHIFT FOR MULTI LANE ROADWAY

NOT TO SCALE

FOR "AS CONSTRUCTED PLANS" ONLY

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:06 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C. ROBERTS
ENTERED BY	J. ROBBINS
CHECKED BY	B. SPANGLE, P.E.
PROJ. ENGR.	B. HILMES, P.E.
REGIONAL ADM.	K. METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 8

PLAN REF NO TC8

SHEET 46 OF 72 SHEETS

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

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

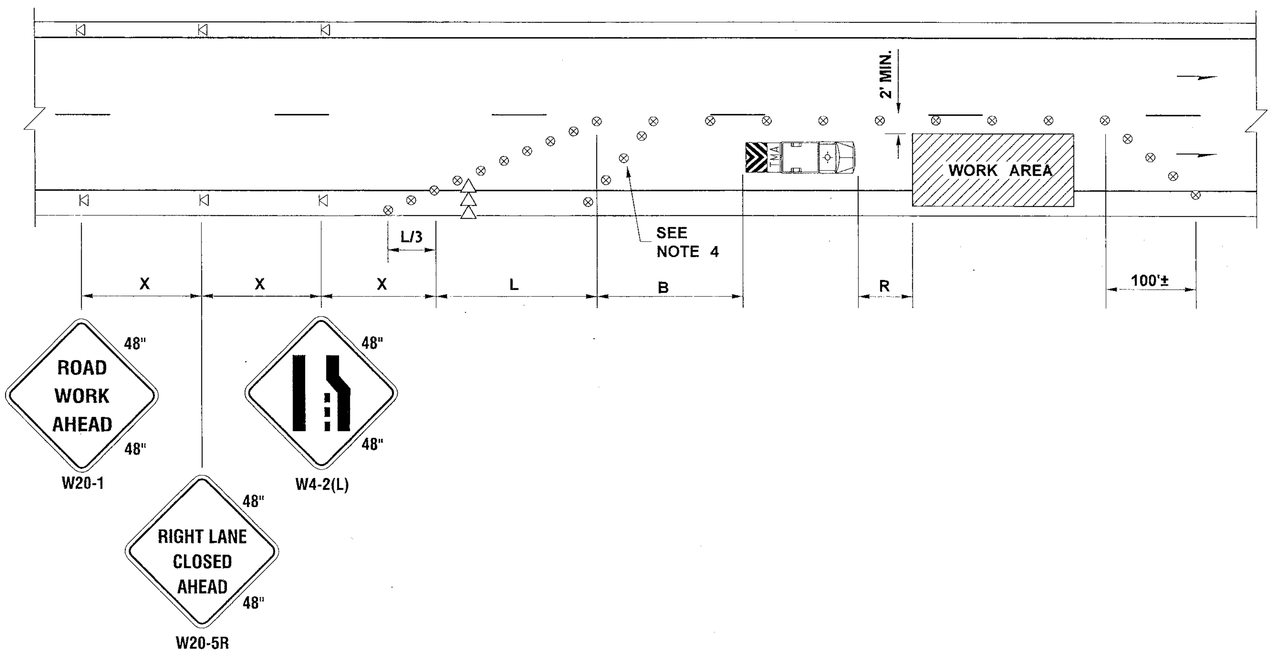
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'± (OR AS PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800'±
RURAL ROADS	45 / 55 MPH	500'±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR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

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

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60
REDUCE SPACING BY HALF DURING HOURS OF DARKNESS		

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- ▷ CLASS B SIGN LOCATION
- ⊗ TRAFFIC SAFETY DRUM
- ▷▷▷ SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR

NOTES:

1. NO FLAGGERS OR SPOTTERS.
2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000'.
5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'
6. ALL SIGNS ARE BLACK ON ORANGE.
7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
8. A MINIMUM OF 12' SHALL BE MAINTAINED IN THE TRAVELED WAY.

SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS

NOT TO SCALE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn				
TIME	8:27:07 AM				
DATE	3/2/2015				
PLOTTED BY	RoberCH				
DESIGNED BY	C. ROBERTS				
ENTERED BY	J. ROBBINS				
CHECKED BY	B. SPANGLE, P.E.				
PROJ. ENGR.	B. HILMES, P.E.				
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY	

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

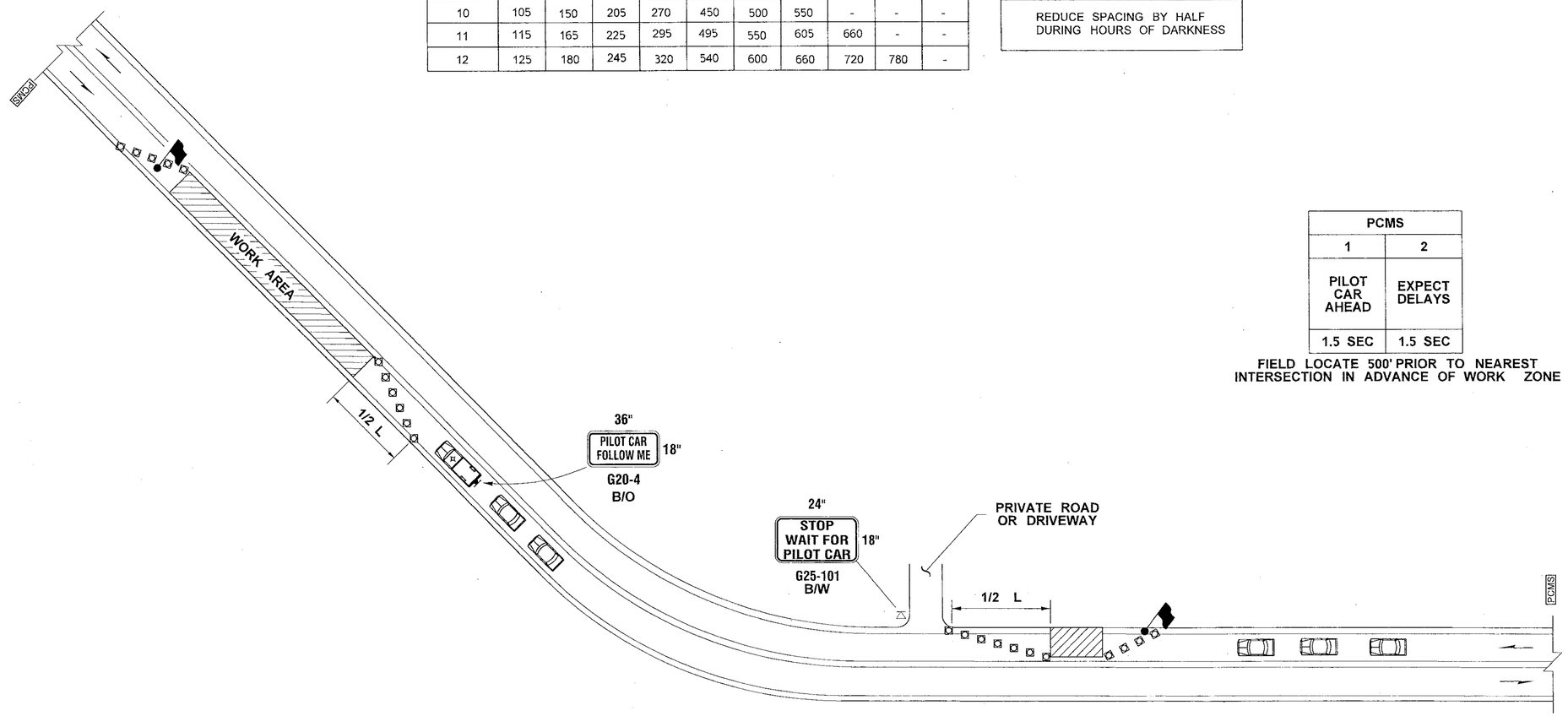
SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 9
PLAN REF NO TC9
SHEET 47 OF 72 SHEETS

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

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
40/45	30	60
REDUCE SPACING BY HALF DURING HOURS OF DARKNESS		



PCMS	
1	2
PILOT CAR AHEAD	EXPECT DELAYS
1.5 SEC	1.5 SEC

FIELD LOCATE 500' PRIOR TO NEAREST INTERSECTION IN ADVANCE OF WORK ZONE

FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- FLAGGING STATION
- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- PILOT VEHICLE
- MOTORIST VEHICLE
- PCMS PORTABLE CHANGE MESSAGE SIGN

PILOT CAR OPERATION

NOT TO SCALE

NOTES:

1. REFER TO SHEET TC13 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN
2. CHANNELIZING DEVICES ARE REQUIRED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT ALL FLAGGING STATIONS.
3. SIGN G25-101 IS REQUIRED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS .

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn					
TIME	8:27:08 AM					
DATE	3/2/2015					
PLOTTED BY	RoberCH					
DESIGNED BY	C. ROBERTS					
ENTERED BY	J. ROBBINS					
CHECKED BY	B. SPANGLE, P.E.					
PROJ. ENGR.	B. HILMES, P.E.					
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY		

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 10

PLAN REF NO TC10

SHEET 48 OF 72 SHEETS

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

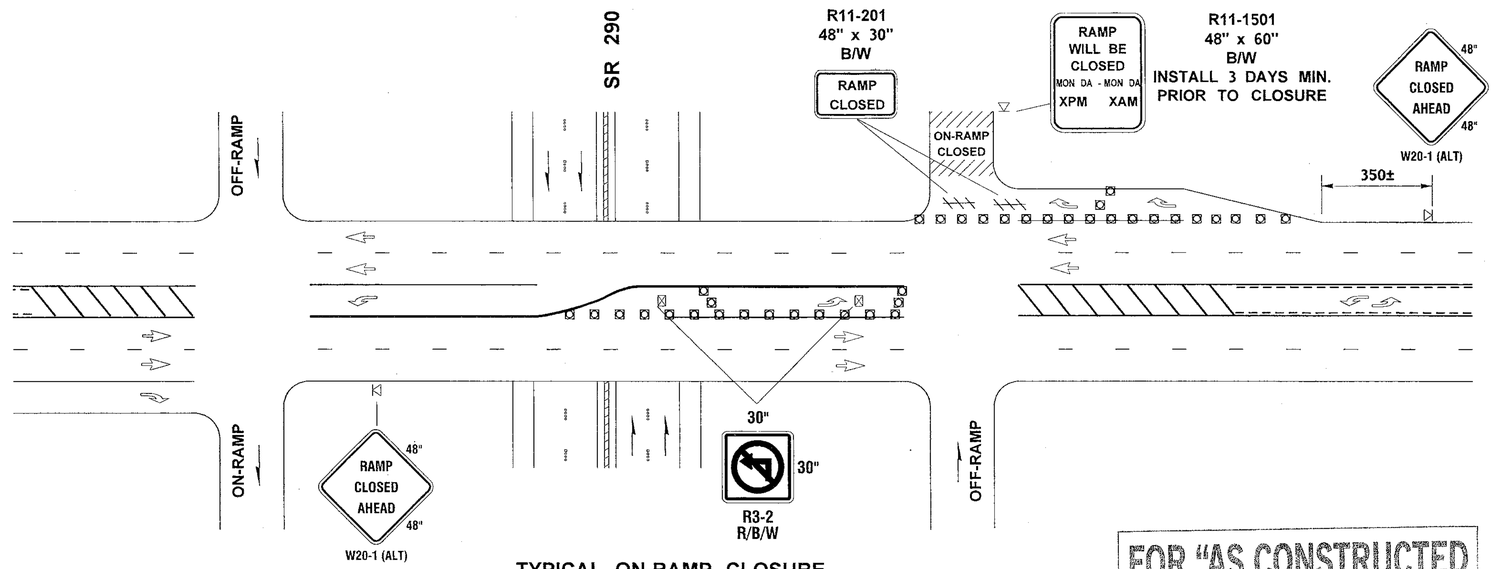
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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

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

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

REDUCE SPACING BY HALF DURING HOURS OF DARKNESS

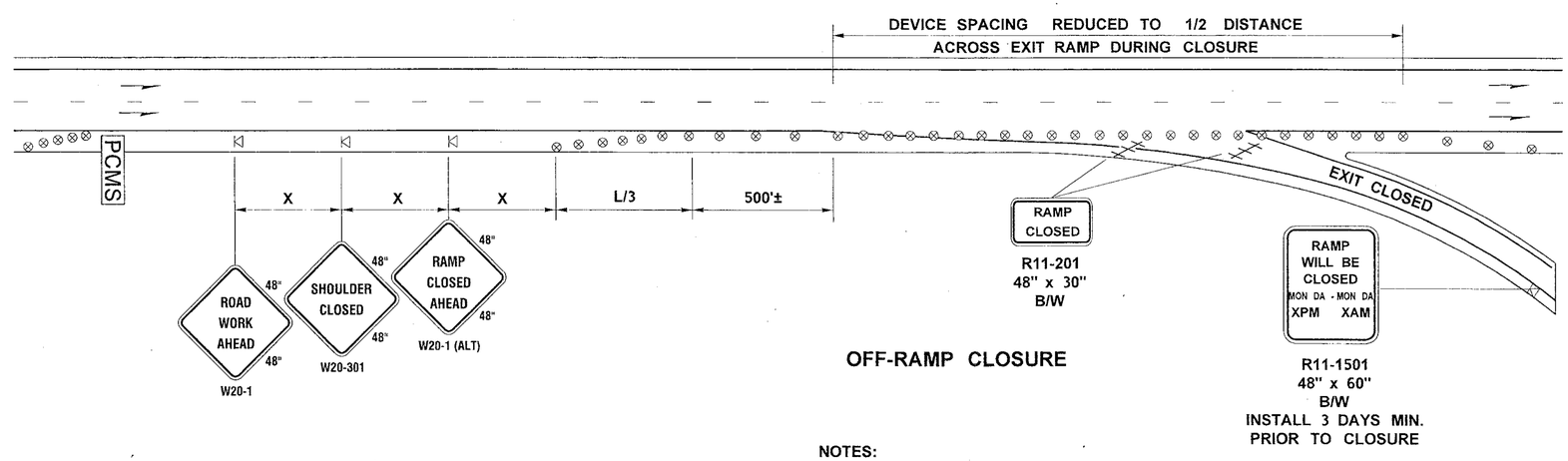


TYPICAL ON-RAMP CLOSURE

FOR "AS CONSTRUCTED PLANS" ONLY

PCMS	
1	2
EXIT CLOSED AHEAD	USE ALT. ROUTE
1.5 SEC	1.5 SEC

FIELD LOCATE



OFF-RAMP CLOSURE

LEGEND

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

SHORT TERM RAMP CLOSURES

NOTES:

1. SEE SPECIAL PROVISIONS FOR CLOSURE HOUR RESTRICTIONS.
2. TYPICAL APPLICATION SHOWN, ADJUST FOR SITE CONDITIONS.
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:10 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO. | LOCATION NO.

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

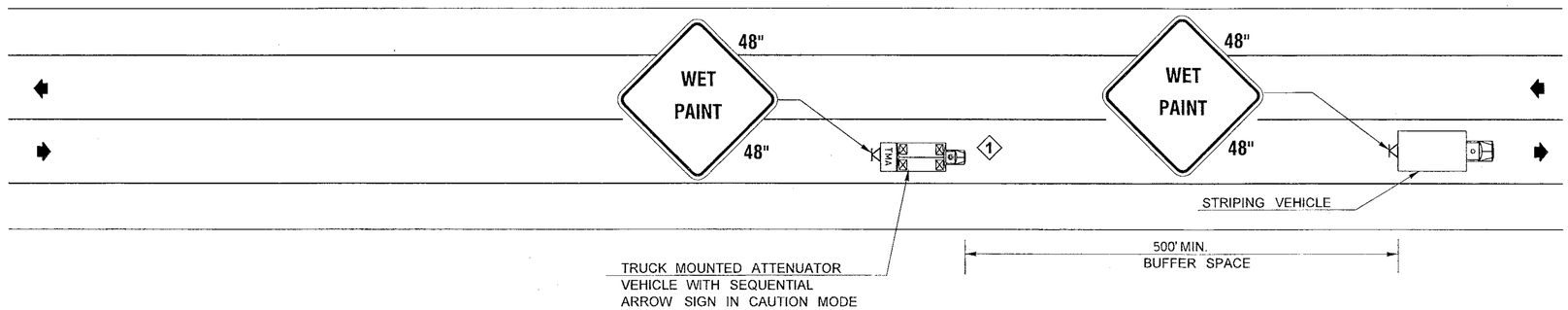
Plot 11

PLAN REF NO TC11

SHEET 49 OF 72 SHEETS

CONSTRUCTION NOTES:

1. THIS VEHICLE SHALL MAINTAIN A POSITION AT THE POINT WHICH THE PAINT IS UNTRACKABLE, OR 500'± WHICH EVER IS GREATER.



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- TRUCK MOUNTED CLASS B SIGN LOCATION
- SEQUENTIAL ARROW SIGN (CAUTION MODE)
- TMA — TRUCK MOUNTED ATTENUATOR W/ WARNING BEACON

MOVING OPERATION

FOR PAINT LINE & FOG SEAL

NOT TO SCALE

NOTES:

1. MOVING OPERATION TRAFFIC CONTROL PLAN IS FOR DAYLIGHT HOURS ONLY.
2. NO FLAGGERS OR SPOTTERS.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn				REGION NO. 10	STATE WASH	FED.AID PROJ.NO.
TIME	8:27:11 AM						
DATE	3/2/2015						
PLOTTED BY	RoberCH				JOB NUMBER 15Z007		
DESIGNED BY	C. ROBERTS						
ENTERED BY	J. ROBBINS						
CHECKED BY	B. SPANGLE, P.E.				CONTRACT NO.		LOCATION NO. XL4558
PROJ. ENGR.	B. HILMES, P.E.						
REGIONAL ADM.	K. METCALF, P.E.	REVISION	DATE	BY			

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 12

PLAN REF NO TC12

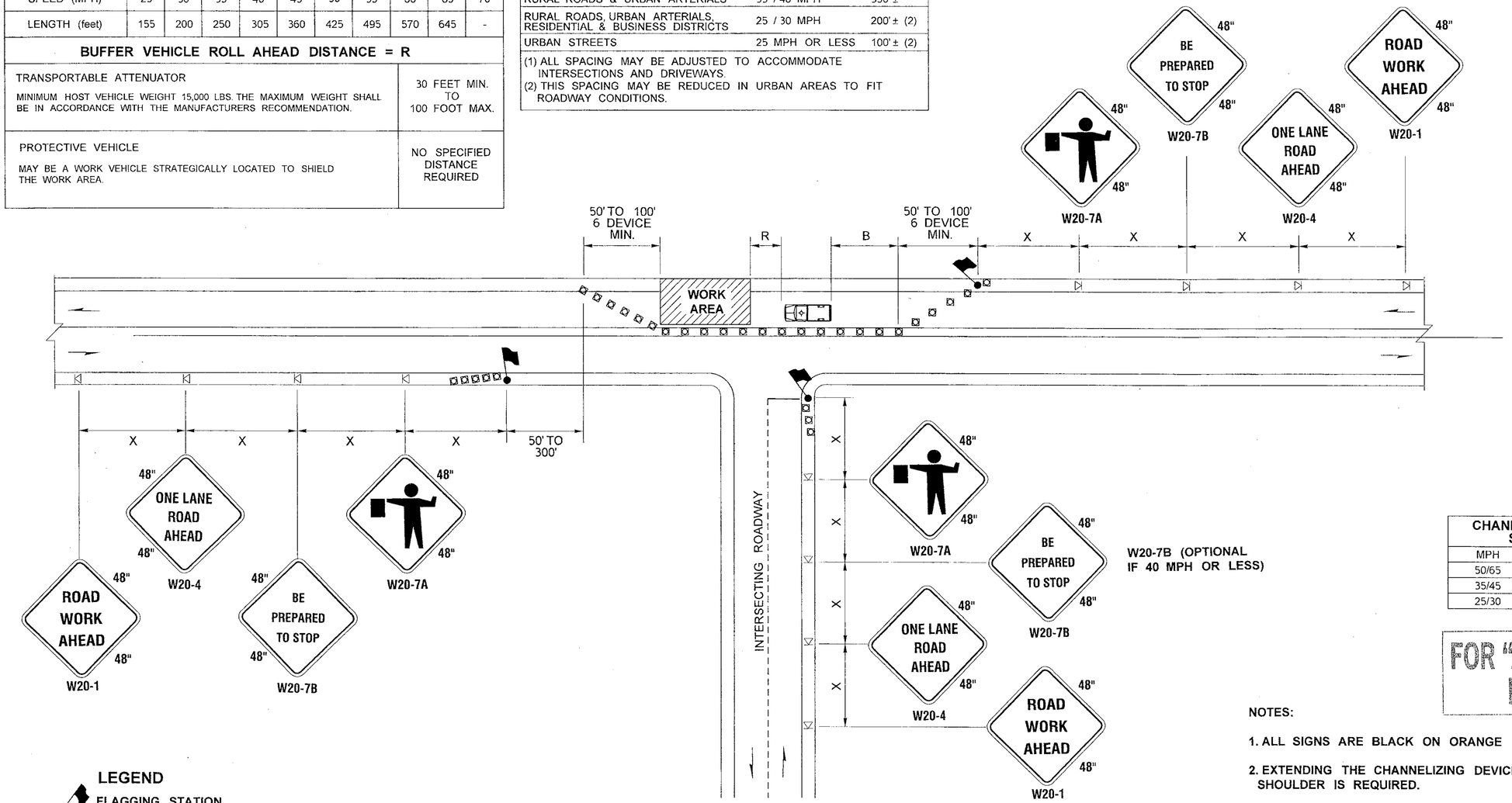
SHEET 50 OF 72 SHEETS

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED

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

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



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

FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- FLAGGING STATION
- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE

NOTES:

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

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS

NOT TO SCALE

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:12 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | FED.AID PROJ.NO. STPF-0290(023)

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 13

PLAN REF NO TC13

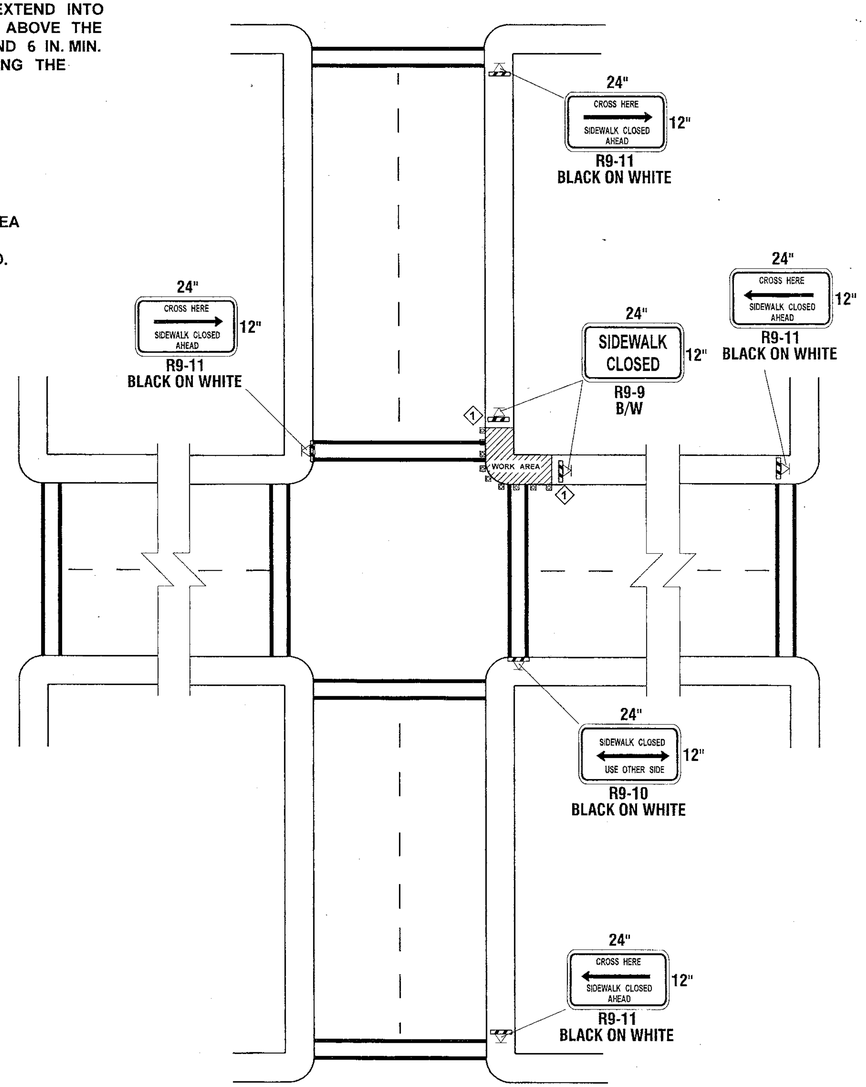
SHEET 51 OF 72 SHEETS

TYPE II BARRICADES SHALL MEET THE FOLLOWING REQUIREMENTS FOR PEDESTRIAN CONTROL.

TO PREVENT ANY TRIPPING HAZARDS TO PEDESTRIANS, BALLAST SHALL BE LOCATED BEHIND OR INTERNAL TO THE DEVICE. ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48" MINIMUM WALKWAY CLEAR SPACE AND SHALL HAVE A 0.5" MAXIMUM HEIGHT ABOVE THE WALKWAY SURFACE. DETECTABLE EDGES FOR LONG CANES SHALL BE CONTINUOUS AND 6 IN. MIN. HIGH ABOVE THE WALKWAY SURFACE AND HAVE COLOR OR OR MARKING CONTRASTING THE WALKWAY SURFACE.

TYPE II BARRICADES SHALL SPAN FULL WIDTH OF THE PEDESTRIAN WALKWAY

NO PARKING — R8-3, 24" x 30" R/W — (1) INSTALL ON TYPE II BARRICADES THROUGHOUT THE WORK AREA 24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL. PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- TYPE II BARRICADE

PEDESTRIAN DETOUR

NOT TO SCALE

NOTES:

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
2. USE WARNING LIGHTS ON BARRICADES.
3. MAINTAIN A MINIMUM WIDTH OF 48" FOR PEDESTRIAN PATH.
4. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:13 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 14

PLAN REF NO TC14

SHEET 52 OF 72 SHEETS

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

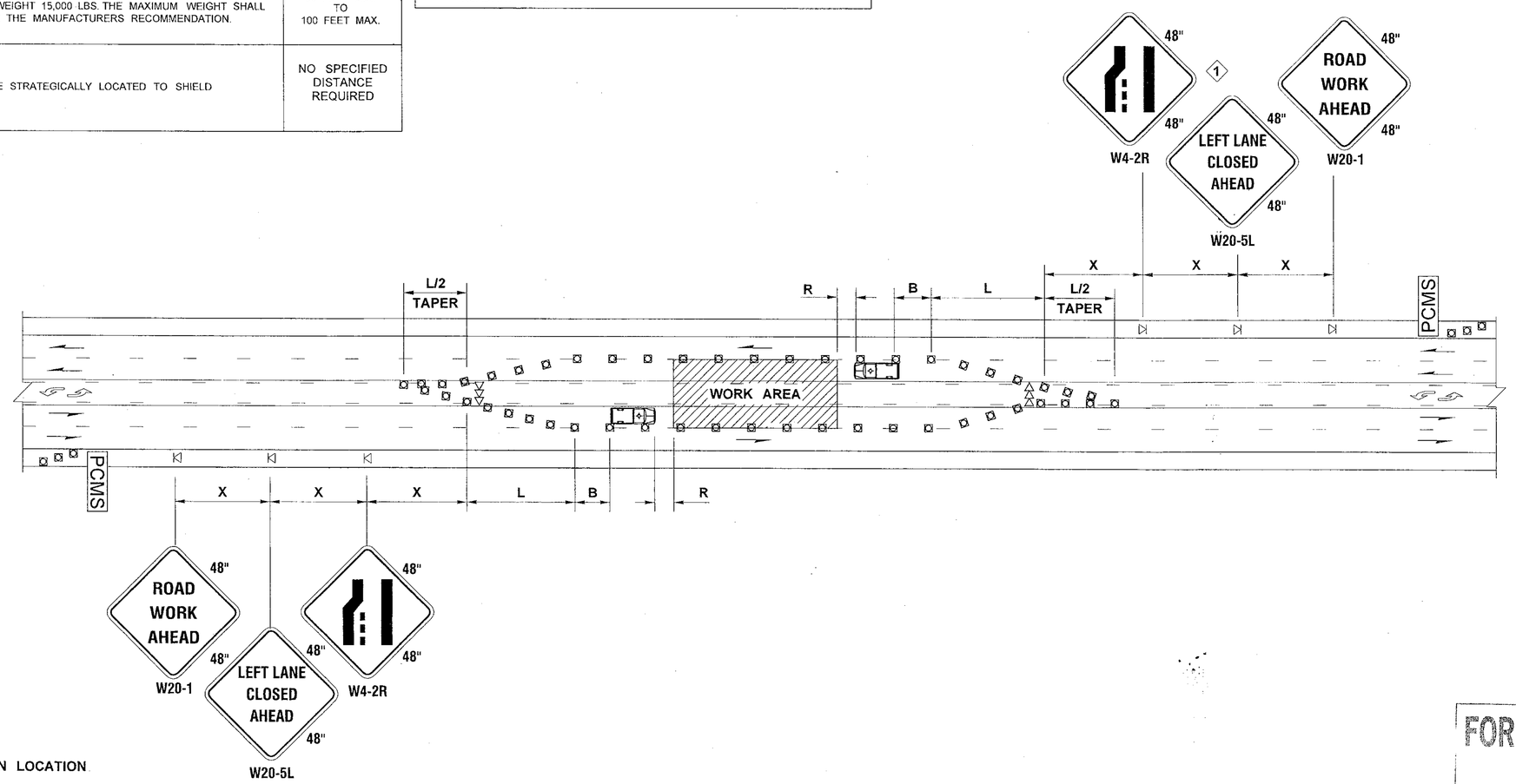
BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FEET MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED

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

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

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

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



LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE

FOR "AS CONSTRUCTED PLANS" ONLY

LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY

NOT TO SCALE

NOTES:

1. NO FLAGGER'S OR SPOTTERS.
2. ALL SIGNS ARE BLACK ON ORANGE.
3. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:15 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
DESIGNED BY	C.ROBERTS
ENTERED BY	L.HILL
CHECKED BY	B.SPANGLE, P.E.
PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

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

JOB NUMBER 15Z007

CONTRACT NO.

LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 15

PLAN REF NO TC15

SHEET 53 OF 72 SHEETS

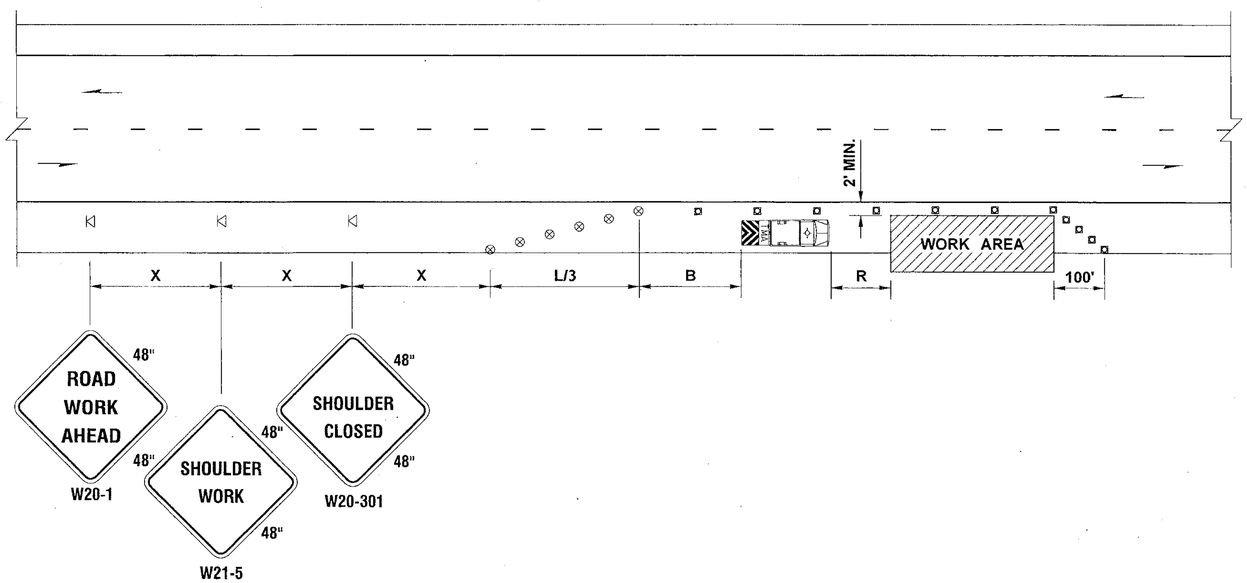
SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ± (OR PER MUTCD)
RURAL HIGHWAYS	60 / 65 MPH	800'+/-
RURAL ROADS	45 / 55 MPH	500'+/-
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.		

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

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

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

BUFFER VEHICLE ROLL AHEAD DISTANCE = R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.	30 FEET MIN. TO 100 FOOT MAX.
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.	NO SPECIFIED DISTANCE REQUIRED



FOR "AS CONSTRUCTED PLANS" ONLY

LEGEND

- CLASS B SIGN LOCATION
- CHANNELIZING DEVICE
- TRAFFIC SAFETY DRUM
- TRANSPORTABLE ATTENUATOR

SHOULDER CLOSURE - HIGH SPEED

NOT TO SCALE

NOTES:
1. NO ENCROACHMENT IN TRAVELLED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' O.C.
3. ALL SIGNS ARE BLACK ON ORANGE.
4. NO FLAGGERS OR SPOTTERS

FILE NAME	G:\XL4558 - SR290 Sullivan Rd to Idaho State Line\CAD\2014 After Shelf Plans\XL 4558 TCP.dgn
TIME	8:27:16 AM
DATE	3/2/2015
PLOTTED BY	RoberCH
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PROJ. ENGR.	B.HILMES, P.E.
REGIONAL ADM.	K.METCALF, P.E.

REVISION | DATE | BY

REGION NO.	STATE	FED.AID PROJ.NO.
10	WASH	
JOB NUMBER 15Z007		
CONTRACT NO.		LOCATION NO. XL4558

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

SR 290
SULLIVAN RD TO IDAHO STATE LINE
PAVING

TRAFFIC CONTROL

Plot 16
PLAN REF NO TC16
SHEET 54 OF 72 SHEETS

SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
OVERLAY AND DRAINAGE IMPROVEMENTS
PUBLIC WORKS CIP #0211

City of Spokane Valley
Department of Public Works
11707 East Sprague, Ave. Suite 304
SPOKANE VALLEY, WA. 99206
(509) 921-1000

CITY OF SPOKANE VALLEY

MAYOR

DEAN GRAFOS

CITY COUNCIL

ARNE WOODARD
ROD HIGGINS
ED PACE
CHUCK HAFNER
BEN WICK
BILL BATES

PUBLIC WORKS DEPARTMENT

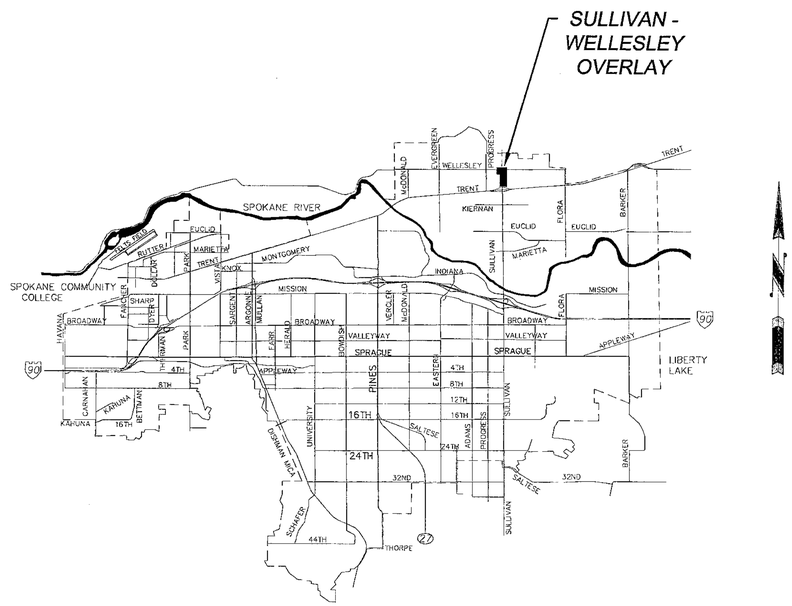
ERIC P. GUTH, P.E., PUBLIC WORKS DIRECTOR

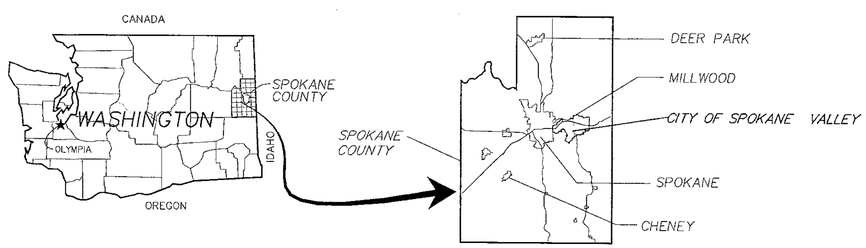
PROJECT ENGINEER

CRAIG ALDWORTH, PE

APPROVED BY:
CITY OF SPOKANE VALLEY

STEVE M. WORLEY, P.E.
SENIOR CAPITAL PROJECTS ENGINEER





INDEX OF DRAWINGS

SHT NO.	SHEET NAME
1	TITLE SHEET/INDEX
2	SECTIONS
3	DETAILS
4-7	PAVING / DRAINAGE PLANS
8-9	SIDEWALK, CURB AND SIGNAL PLAN
10	EROSION CONTROL PLAN
11	SIGNAL PLAN
12	PAVEMENT MARKING PLAN
13-15	TRAFFIC CONTROL PLANS
16-17	DETOUR PLAN
18	WELLESLEY INTERSECTION

FOR "AS CONSTRUCTED PLANS" ONLY

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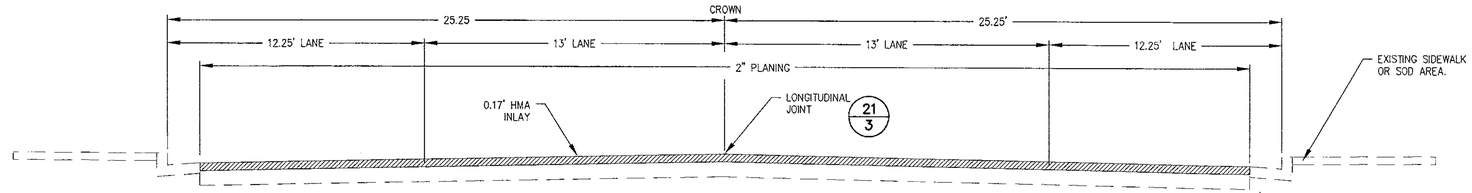
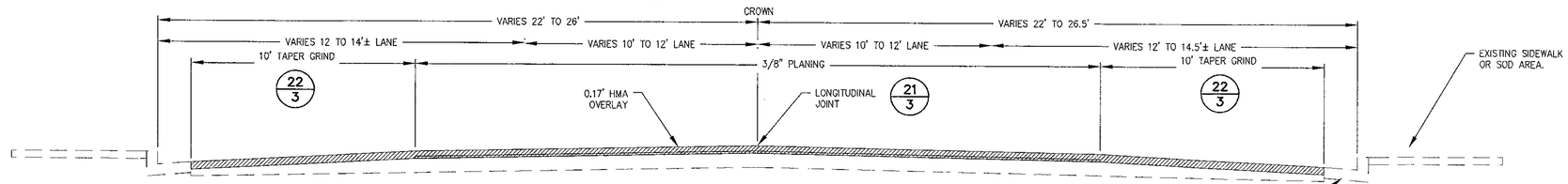
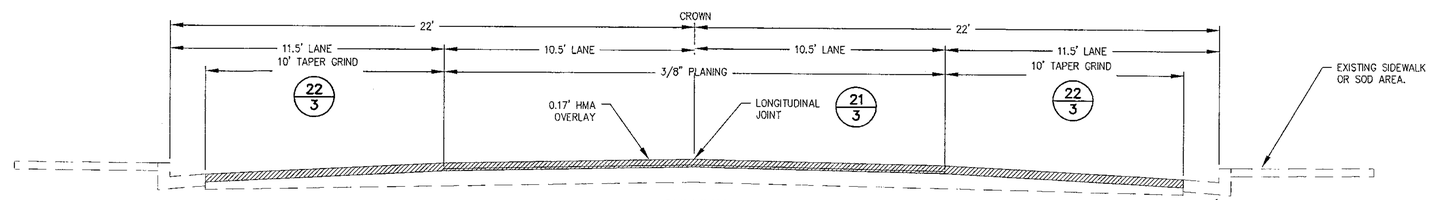


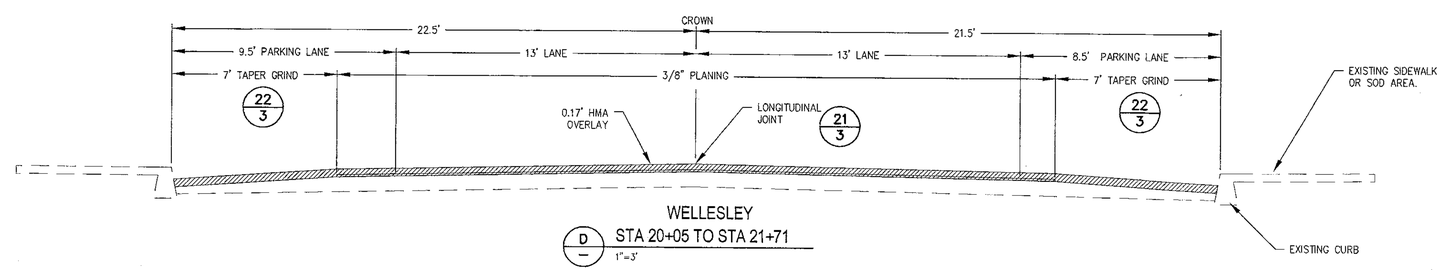
SULLIVAN
STA 89+24 TO STA 90+48±
STA 91+51 TO STA 93+43
A/— 1"=3'



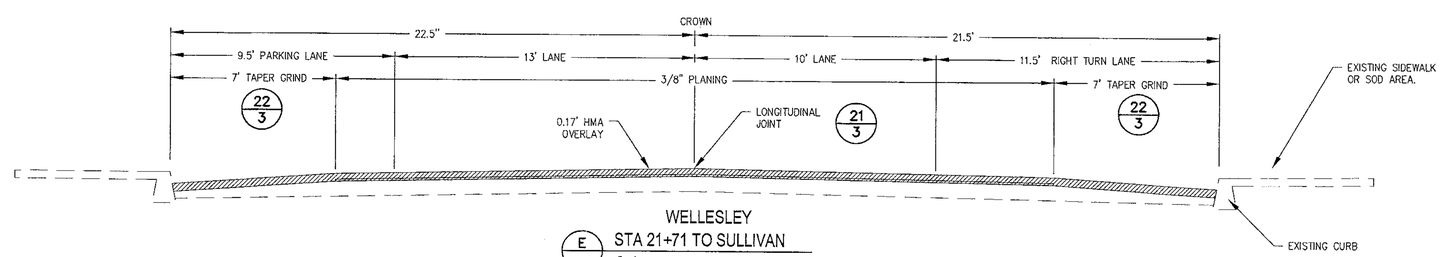
SULLIVAN
STA 93+43 TO STA 97+25
B/— 1"=3'



SULLIVAN
STA 97+25 TO WELLESLEY
C/— 1"=3'



WELLESLEY
STA 20+05 TO STA 21+71
D/— 1"=3'



WELLESLEY
STA 21+71 TO SULLIVAN
E/— 1"=3'

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CRAIG A. DWORSHAK STATE OF WASHINGTON 27878 REGISTERED PROFESSIONAL ENGINEER
2/13/15

CALL BEFORE YOU DIG 1-800-424-5555

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
SECTIONS

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	1"=3'	1/2015	STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO.
DRAWN BY: MJH	REVIEWED BY: –		2 OF 18

P:\Public Works\Capital Projects\Street Projects\0211 - Sullivan - Trent to Wellesley + Overlay\Drawings\COSV-AutoCAD\0211-SEC-SULLIVAN WELLESLEY.dwg, 2/13/2015 8:29:29 AM, \\SV-FS2\Aficio MP C3500 RPCS - Public Works

1 — COSV SIDEWALK
STD PLAN R-103

2 — CEMENT CONC. TRAFFIC CURB AND GUTTER
COSV STD PLAN R-102

3 — CEMENT CONC. TRAFFIC CURB
WSDOT STD PLAN F-10.12 NOTE: 2" MIN. CSTC UNDER ALL CURBS

4 — CEMENT CONC. PEDESTRIAN CURB
WSDOT STD PLAN F-10.12

5 — CATCH BASIN TYPE 1
COSV STD PLAN S-112

6 — DRYWELL TYPE 4 FRAME AND SOLID COVER
COSV STD PLAN S-104

7 — RECTANGULAR FRAME – TYPE 1
WSDOT STD PLAN B-30.10-01

8 — METAL GRATE TYPE 1 (BYPASS)
COSV STD PLAN S-121

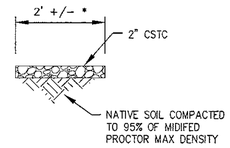
9 — METAL GRATE TYPE 3 (LOW POINT)
COSV STD PLAN S-122

10 — TYPE PARALLEL 'A' CURB RAMP
WSDOT STD PLAN F-40.12-02

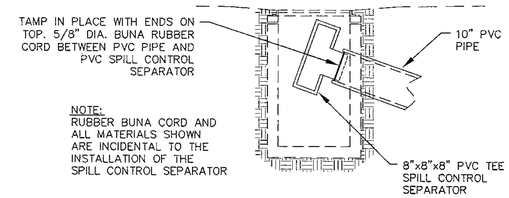
11 — TYPE PARALLEL 'B' CURB RAMP
WSDOT STD PLAN F-40.12-02

12 — DETECTABLE WARNING SURFACE
WSDOT STD PLAN F-45.10-00
NOTE: AREA SHALL BE 2' WIDE BY LANDING DIMENSION SHOWN ON THE PLANS

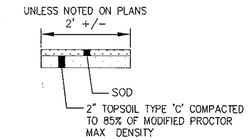
13 — OIL WATER SEPARATOR
COSV STD PLAN S-140



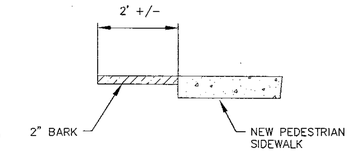
14 — GRAVEL PATCHBACK
NTS



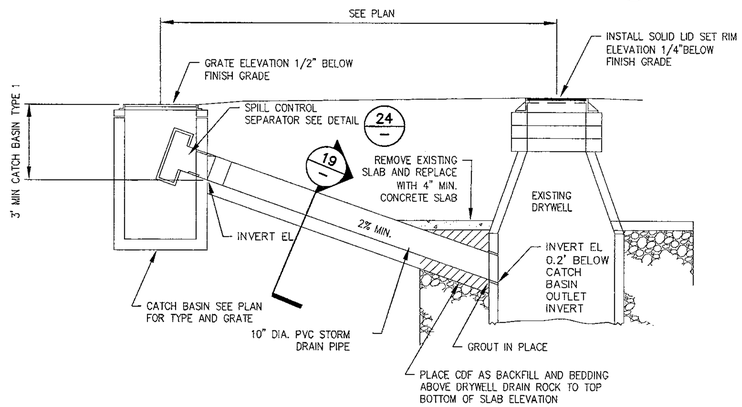
15 — SPILL CONTROL SEPARATOR RETROFIT
NTS



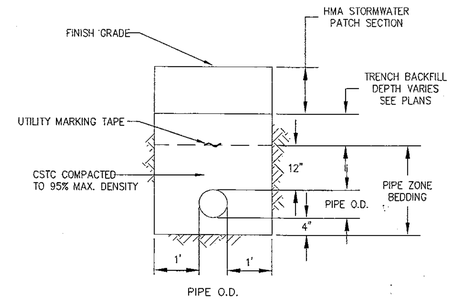
16 — SOD PATCHBACK
NTS



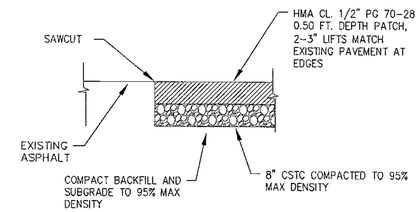
17 — BARK PATCHBACK
NTS



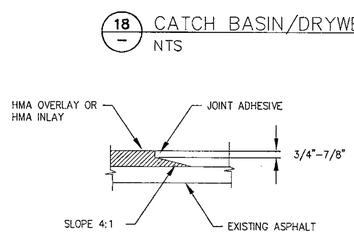
18 — CATCH BASIN/DRYWELL CONNECTION
NTS



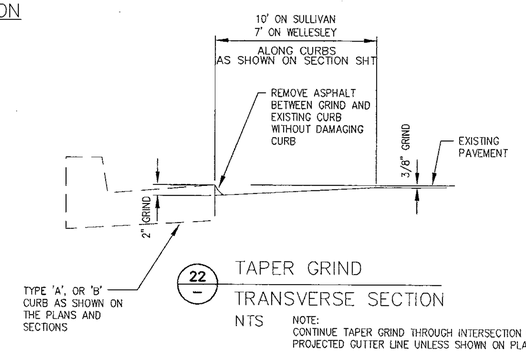
19 — STORM DRAIN TRENCH SECTION
NTS



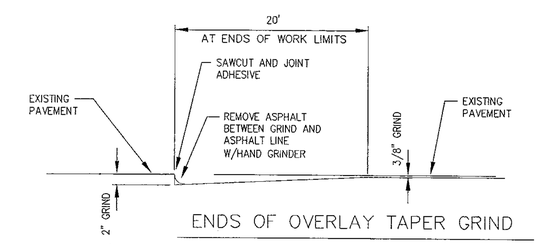
20 — HMA STORMWATER PATCH
SEE PLANS FOR LOCATIONS
NTS



21 — LONGITUDINAL JOINT – STEP WEDGE
NTS

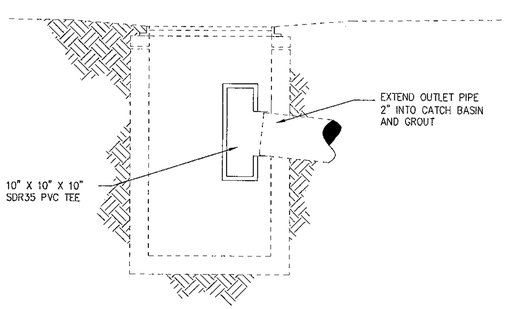


22 — TAPER GRIND
TRANSVERSE SECTION
NTS
NOTE:
CONTINUE TAPER GRIND THROUGH INTERSECTION ON PROJECTED GUTTER LINE UNLESS SHOWN ON PLANS

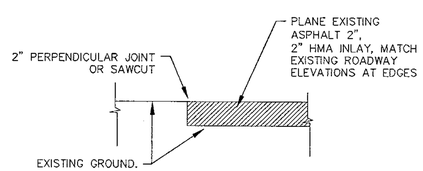


ENDS OF OVERLAY TAPER GRIND

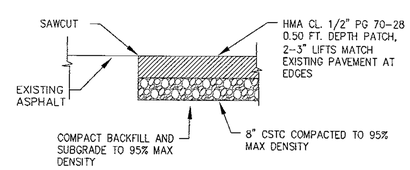
23 — LONGITUDNAL SECTION
NTS



24 — SPILL CONTROL SEPARATOR
NTS



25 — HMA INLAY
NTS
NOTE:
HMA INLAY PAID FOR UNDER HMA CL.1/2" PG 70-28 0.17 FT. DEPTH



26 — HMA PATCH
SEE PLANS FOR LOCATION
NTS

FOR "AS CONSTRUCTED PLANS" ONLY

CRAIG A. DWORSHAK — STATE OF WASHINGTON — 23576 — REGISTERED PROFESSIONAL ENGINEER
2.13.15

CALL BEFORE YOU DIG 1-800-424-5555

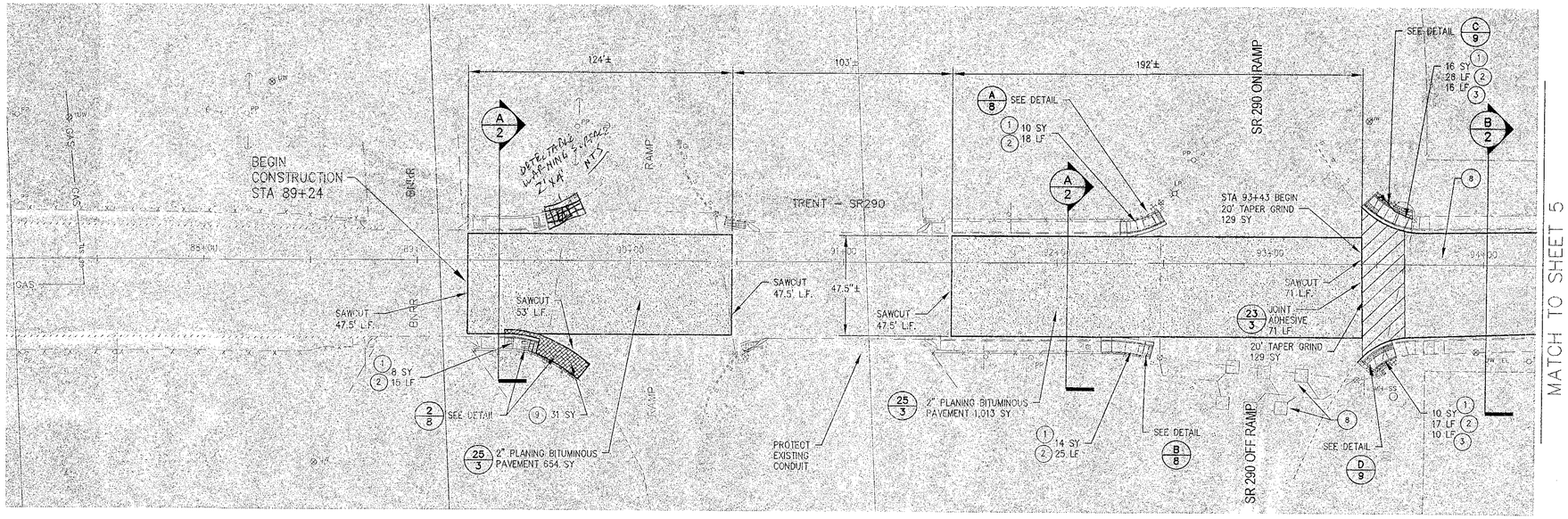
REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
DETAILS

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	NOT TO SCALE	1/2015	STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 3 OF 18
DRAWN BY: MJH	REVIEWED BY: –		

P:\Public Works\Capital Projects\Street Projects\0211 - Sullivan - Trent to Wellesley + Overlay\Drawings\COSV-AutoCAD\0211-DET-SULLIVAN WELLESLEY.dwg, 2/13/2015 8:36:25 AM, \\SV-FS2\Aficio MP C3500 RPCS - Public Works



SW ASSEMBLY 1

- 1 INSTALL CATCH BASIN TYPE 1
- 2 INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 1
- 3 INSTALL 10" DIAMETER PIPE, _LF
- 4 INSTALL SPILL CONTROL SEPARATOR
- 5 CONNECT TO EXISTING DRYWELL
- 6 INSTALL TYPE 4 FRAME AND SOLID LID

5/3 7/3 8/3 24/3 18/3 6/3

SW ASSEMBLY 2

- 1 INSTALL CATCH BASIN TYPE 1
- 3 INSTALL 10" DIAMETER PIPE, _LF
- 4 INSTALL SPILL CONTROL SEPARATOR
- 5 CONNECT TO EXISTING DRYWELL
- 6 INSTALL TYPE 4 FRAME AND SOLID LID
- 7 INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 3

5/3 24/3 18/3 6/3 8/3 7/3

10" DIAMETER PIPE LENGTHS

- 3 INSTALL 10" DIAMETER PIPE, _LF

SULLIVAN
STA 97+10 RT, 6 LF
STA 97+26 LT, 9 LF
STA 98+20 LT, 9 LF
STA 98+20 RT, 6 LF
STA 100+00 RT, 9 LF
STA 100+00 LT, 9 LF

STORMWATER WORK

- 30 REMOVE STORMWATER PATCH
- 31 REMOVE PCC SIDEWALK/DRIVE APPROACH
- 32 REMOVE PCC CURB AND GUTTER
- 33 SOD PATCHBACK
- 34 GRAVEL PATCHBACK
- 35 BARK
- 36 REMOVE MISC ASPHALT
- 37 REMOVE PCC CURB

ROADWAY WORK

1. REMOVE CEMENT CONC. SIDEWALK/DRIVE APPROACH
2. REMOVE CEMENT CONC. CURB AND GUTTER
3. REMOVE PEDESTRIAN CURB
4. SOD PATCHBACK
5. GRAVEL PATCHBACK
6. BARK PATCHBACK
7. RETAIN AND PROTECT EXISTING JUNCTION BOX
8. PROTECT EXISTING LOOPS
9. REMOVE HMA PATCH

UTILITY WORK

- 20 ADJUST EXISTING MANHOLE
- 21 ADJUST EXISTING WATER VALVE
- 22 ADJUST EXISTING CATCH BASIN OR DRYWELL
- 23 MONUMENT CASE AND COVER
- 24 IRRIGATION SYSTEM REVISION

LEGEND

- 2" PLANING AND HMA INLAY 25/3
- HMA STORMWATER PATCH 20/3
- TAPER GRIND AREA 2" TO 3/8" 22/3 23/3
- SOD PATCHBACK 16/3
- GRAVEL PATCHBACK 14/3
- BARK PATCHBACK 17/3
- HMA PATCH 26/3

NOTE:
3/8" PLANING NOT SHOWN FOR CLARITY SEE PLANS AND SECTION SHEETS FOR LOCATIONS

- —— GAS ——C—— GAS —— GAS
- — — — — W — — — — WATER
- ——— T ——— COMMUNICATIONS
- - - - - - - - - - SANITARY SEWER

SIDEWALK NOTES:

1. SIDEWALK TO MAINTAIN A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE.
2. CONTRACTOR TO VERIFY DRIVEWAY ELEVATIONS AND SLOPES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER AND PERFORM A SITE WALK WITH THE PROJECT ENGINEER BEFORE SETTING FORM WORK.
3. CONTRACTOR OR REPRESENTATIVE TO NOTIFY ALL BUSINESSES 48 HOURS PRIOR TO DRIVEWAY ACCESS BEING RESTRICTED OR LIMITED DUE TO POURING CURB OR DRIVEWAY APPROACHES

FOR "AS CONSTRUCTED PLANS" ONLY

CRAIG A. DWIGHT — STATE OF WASHINGTON — 27078 — REGISTERED PROFESSIONAL ENGINEER
1-15-15

CALL BEFORE YOU DIG 1-800-424-5555

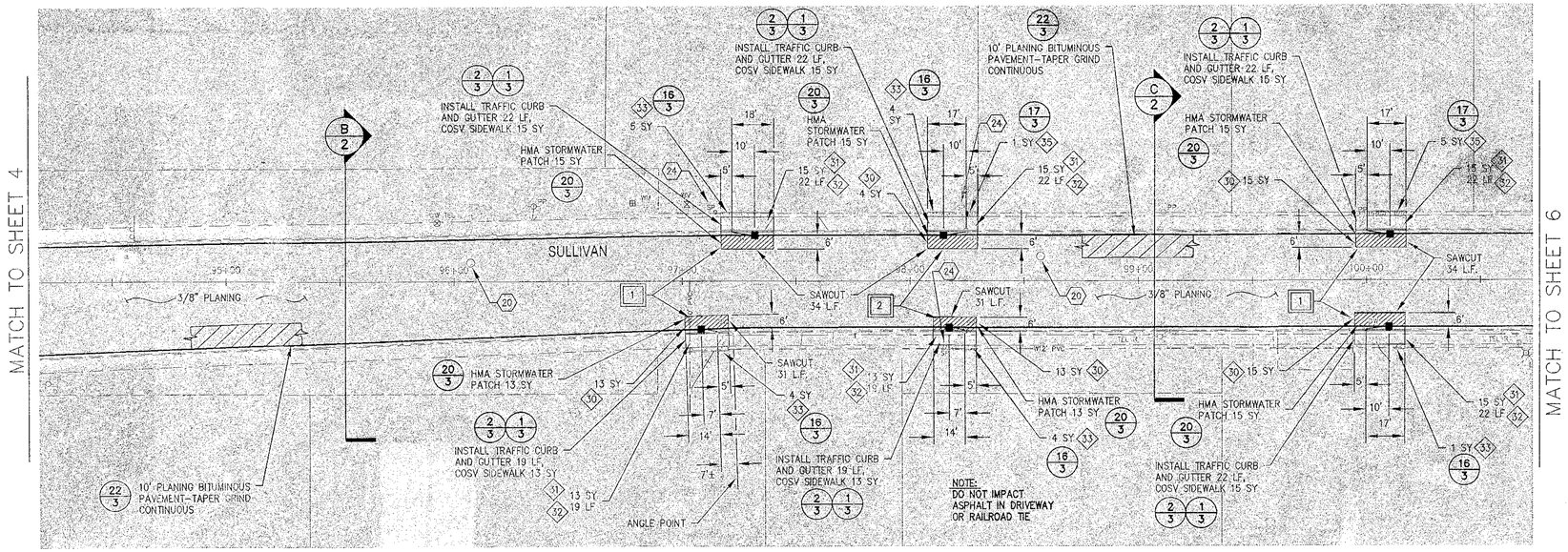
30 15 0 30 60
SCALE FEET

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
PAVING / DRAINAGE PLAN

PROJECT NO. 0211	SCALE: SCALE	DATE: 1/2015	TYPE OF IMPROVEMENT STREET
DESIGNED BY: CWA/EKA		CHECKED BY: CWA	DRAWING NO. 4 OF 18
DRAWN BY: MJH		REVIEWED BY: –	



SW ASSEMBLY 1

1. INSTALL CATCH BASIN TYPE 1
2. INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 1
3. INSTALL 10" DIAMETER PIPE, _LF
4. INSTALL SPILL CONTROL SEPARATOR
5. CONNECT TO EXISTING DRYWELL
6. INSTALL TYPE 4 FRAME AND SOLID LID

5/3 7/3 8/3 24/3 18/3 6/3

SW ASSEMBLY 2

1. INSTALL CATCH BASIN TYPE 1
3. INSTALL 10" DIAMETER PIPE, _LF
4. INSTALL SPILL CONTROL SEPARATOR
5. CONNECT TO EXISTING DRYWELL
6. INSTALL TYPE 4 FRAME AND SOLID LID
7. INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 3

5/3 24/3 18/3 6/3 9/3 7/3

10" DIAMETER PIPE LENGTHS

3 INSTALL 10" DIAMETER PIPE, _LF

SULLIVAN
STA 97+10 RT, 6 LF
STA 97+26 LT, 9 LF
STA 98+20 LT, 9 LF
STA 98+20 RT, 6 LF
STA 100+00 RT, 9 LF
STA 100+00 LT, 9 LF

STORMWATER WORK

30 REMOVE STORMWATER PATCH
31 REMOVE PCC SIDEWALK/DRIVE APPROACH
32 REMOVE PCC CURB AND GUTTER
33 SOD PATCHBACK
34 GRAVEL PATCHBACK
35 BARK
36 REMOVE MISC ASPHALT
37 REMOVE PCC CURB

UTILITY WORK

20 ADJUST EXISTING MANHOLE
21 ADJUST EXISTING WATER VALVE
22 ADJUST EXISTING CATCH BASIN OR DRYWELL
23 MONUMENT CASE AND COVER
24 IRRIGATION SYSTEM REVISION

LEGEND

- 2" PLANING AND HMA INLAY 25/3
- HMA STORMWATER PATCH 20/3
- TAPER GRIND AREA 2" TO 3/8" 22/3 23/3
- SOD PATCHBACK 16/3
- GRAVEL PATCHBACK 14/3
- BARK PATCHBACK 17/3
- HMA PATCH 26/3

NOTE:
3/8" PLANING NOT SHOWN FOR CLARITY SEE PLANS AND SECTION SHEETS FOR LOCATIONS

GAS — G — GAS — GAS
W — WATER
T — COMMUNICATIONS
SANITARY SEWER

SIDEWALK NOTES:

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FOR "AS CONSTRUCTED PLANS" ONLY

CRAIG ALDWORTH
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
1.15.15

CALL BEFORE YOU DIG 1-800-424-5555

30 15 0 30 60
SCALE FEET

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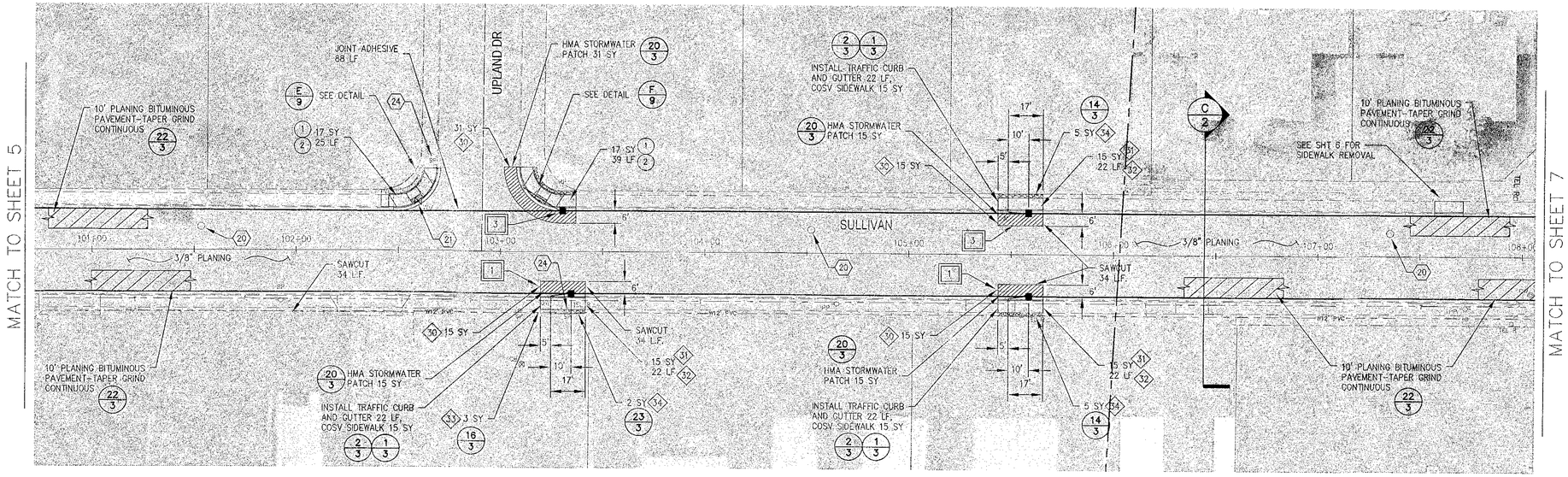
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
PAVING / DRAINAGE PLAN

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	SCALE	1/2015	STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 5 OF 18
DRAWN BY: MJH	REVIEWED BY: –		



SW ASSEMBLY 1

1. INSTALL CATCH BASIN TYPE 1
2. INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 1
3. INSTALL 10" DIAMETER PIPE, _LF
4. INSTALL SPILL CONTROL SEPARATOR
5. CONNECT TO EXISTING DRYWELL
6. INSTALL TYPE 4 FRAME AND SOLID LID

5/3 7/3 8/3 24/3 18/3 6/3

SW ASSEMBLY 3

1. INSTALL CATCH BASIN TYPE 1
2. INSTALL TYPE 1 FRAME AND VANED GRATE
3. INSTALL 10" DIAMETER PIPE, _LF
4. INSTALL SPILL CONTROL SEPARATOR
5. CONNECT TO EXISTING DRYWELL
6. INSTALL TYPE 4 FRAME AND SOLID LID
8. REPLACE EXISTING DRYWELL CONE

5/3 7/3 9/3 24/3 18/3 6/3

10" DIAMETER PIPE LENGTHS

3. INSTALL 10" DIAMETER PIPE, _LF

SULLIVAN
STA 103+20 LT, 22 LF
STA 103+28 RT, 9 LF
STA 105+50 RT, 9 LF
STA 105+50 LT, 9 LF

STORMWATER WORK

30. REMOVE STORMWATER PATCH
31. REMOVE PCC SIDEWALK/DRIVE APPROACH
32. REMOVE PCC CURB AND GUTTER
33. SOD PATCHBACK
34. GRAVEL PATCHBACK
35. BARK
36. REMOVE MISC ASPHALT
37. REMOVE PCC CURB

UTILITY WORK

20. ADJUST EXISTING MANHOLE
21. ADJUST EXISTING WATER VALVE
22. ADJUST EXISTING CATCH BASIN OR DRYWELL
23. MONUMENT CASE AND COVER
24. IRRIGATION SYSTEM REVISION

LEGEND

- 2" PLANING AND HMA INLAY 25/3
- HMA STORMWATER PATCH 20/3
- TAPER GRIND AREA 2" TO 3/8" 22/3 23/3
- SOD PATCHBACK 16/3
- GRAVEL PATCHBACK 14/3
- BARK PATCHBACK 17/3
- HMA PATCH 26/3

NOTE:
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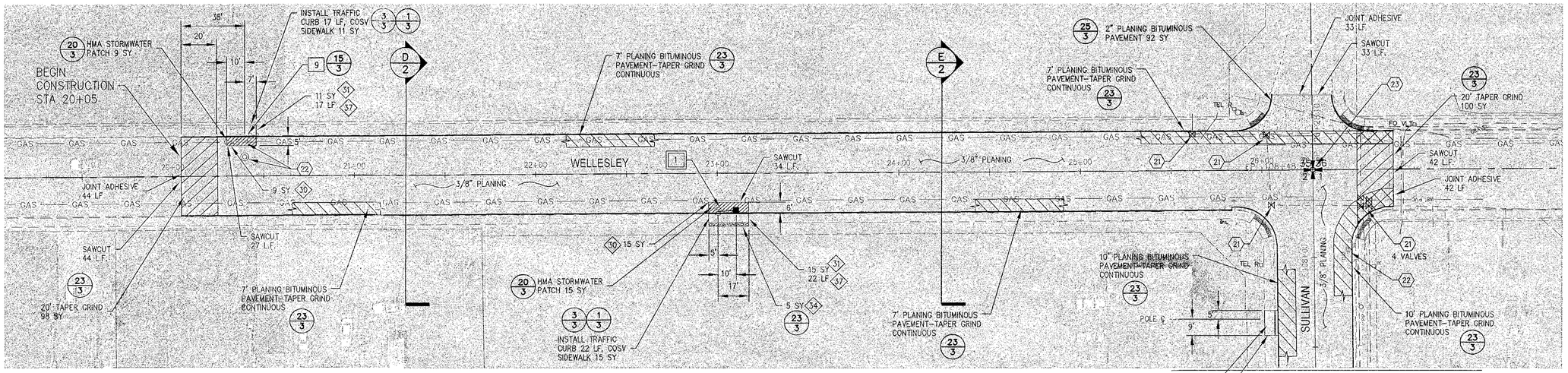
City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
PAVING / DRAINAGE PLAN

PROJECT NO. 0211	SCALE: SCALE	DATE: 1/2015	TYPE OF IMPROVEMENT: STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 6 OF 18
DRAWN BY: MJH	REVIEWED BY: --		



SW ASSEMBLY 1

- 1 INSTALL CATCH BASIN TYPE 1
- 2 INSTALL TYPE 1 FRAME AND METAL GRATE TYPE 1
- 3 INSTALL 10" DIAMETER PIPE, _LF
- 4 INSTALL SPILL CONTROL SEPARATOR
- 5 CONNECT TO EXISTING DRYWELL
- 6 INSTALL TYPE 4 FRAME AND SOLID LID

5/3 7/3 8/3 24/3 18/3 6/3

10" DIAMETER PIPE LENGTHS

- 3 INSTALL 10" DIAMETER PIPE, _LF

WELLESLEY
STA 23+00 RT, 9 LF

STORMWATER WORK

- 30 REMOVE STORMWATER PATCH
- 31 REMOVE PCC SIDEWALK/DRIVE APPROACH
- 32 REMOVE PCC CURB AND GUTTER
- 33 SOD PATCHBACK
- 34 GRAVEL PATCHBACK
- 35 BARK
- 36 REMOVE MISC ASPHALT
- 37 REMOVE PCC CURB

UTILITY WORK

- 20 ADJUST EXISTING MANHOLE
- 21 ADJUST EXISTING WATER VALVE
- 22 ADJUST EXISTING CATCH BASIN OR DRYWELL
- 23 MONUMENT CASE AND COVER
- 24 IRRIGATION SYSTEM REVISION

LEGEND

- 2" PLANING AND HMA INLAY 25/3
- HMA STORMWATER PATCH 20/3
- TAPER GRIND AREA 2" TO 3/8" 22/3 23/3
- SOD PATCHBACK 16/3
- GRAVEL PATCHBACK 14/3
- BARK PATCHBACK 17/3
- HMA PATCH 26/3

NOTE:
3/8" PLANING NOT SHOWN FOR CLARITY SEE PLANS AND SECTION SHEETS FOR LOCATIONS

- GAS — GAS
- W — WATER
- T — COMMUNICATIONS
- SANITARY SEWER

SIDEWALK NOTES:

1. SIDEWALK TO MAINTAIN A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE.
2. CONTRACTOR TO VERIFY DRIVEWAY ELEVATIONS AND SLOPES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER AND PERFORM A SITE WALK WITH THE PROJECT ENGINEER BEFORE SETTING FORM WORK.
3. CONTRACTOR OR REPRESENTATIVE TO NOTIFY ALL BUSINESSES 48 HOURS PRIOR TO DRIVEWAY ACCESS BEING RESTRICTED OR LIMITED DUE TO POURING CURB OR DRIVEWAY APPROACHES

FOR "AS CONSTRUCTED PLANS" ONLY

7-15-15

CALL BEFORE YOU DIG 1-800-424-5555

30 15 0 30 60
SCALE FEET

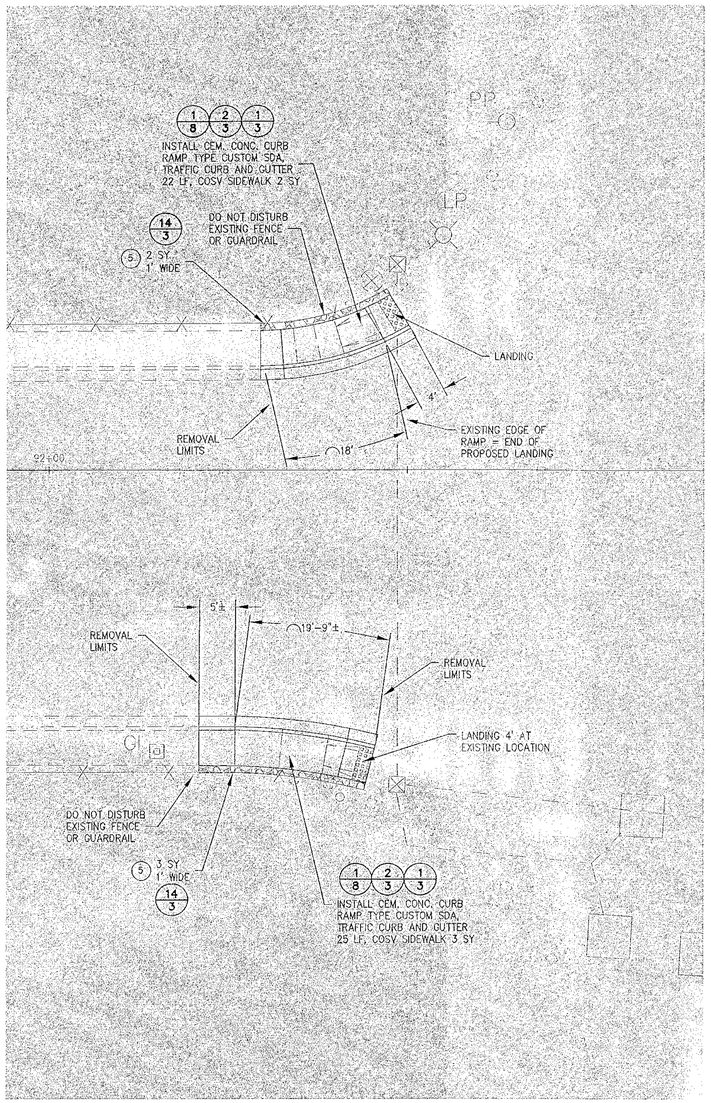
REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

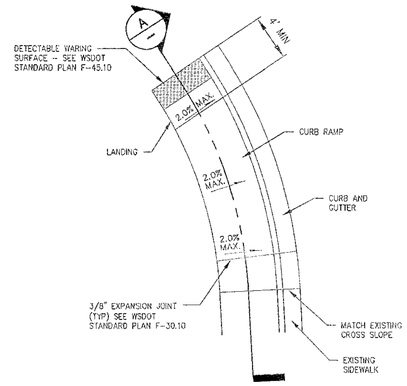
DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
PAVING / DRAINAGE PLAN

PROJECT NO. 0211	SCALE: SCALE	DATE: 1/2015	TYPE OF IMPROVEMENT STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 7 OF 18
DRAWN BY: MJH	REVIEWED BY: --		

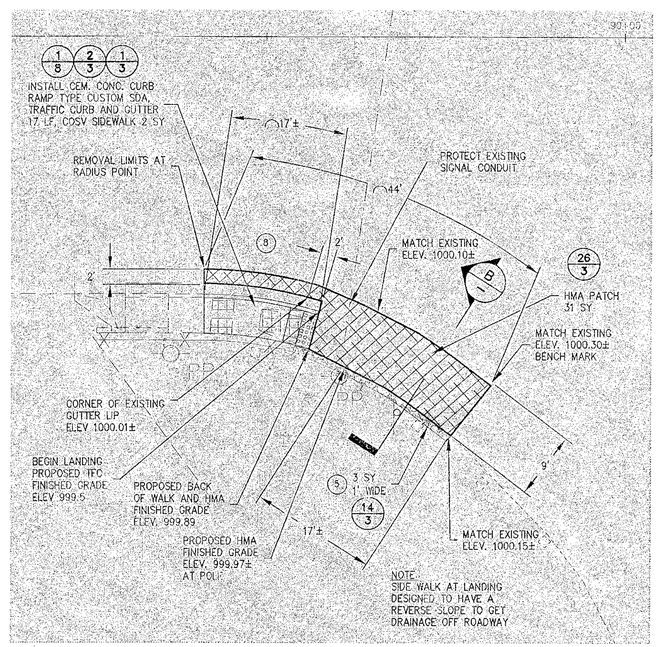
A/4 SIDEWALK AND CURB PLAN
STA 90+50 LT



B/4 SIDEWALK AND CURB PLAN
STA 90+50 RT



1/- CEM. CONC. CURB RAMP TYPE CUSTOM SDA
NTS



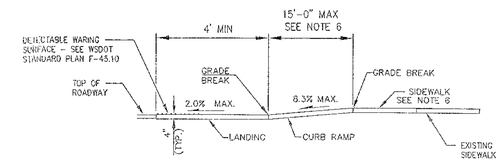
2/4 HMA ROADWAY PATCH
STA 89+75 RT

LEGEND

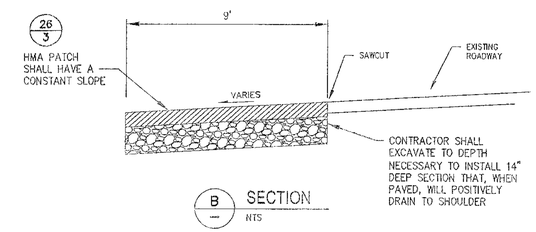
- 2" PLANING AND HMA INLAY (25/3)
- HMA STORMWATER PATCH (20/3)
- TAPER GRIND AREA 2" TO 3/8" (22/3) (23/3)
- SOD PATCHBACK (16/3)
- GRAVEL PATCHBACK (14/3)
- BARK PATCHBACK (17/3)
- HMA PATCH (26/3)

RAMP NOTES

1. WHERE "GRADE BREAK" IS CALLED OUT, THE ENTIRE LENGTH OF THE GRADE BREAK BETWEEN THE TWO ADJACENT SURFACE PLANES SHALL BE FLUSH.
2. DO NOT PLACE GRATINGS, JUNCTION BOXES, ACCESS COVERS, OR OTHER APPURTENANCES IN FRONT OF THE CURB RAMP OR ON ANY PART OF THE CURB RAMP OR LANDING.
3. SEE THE CONTRACT PLANS FOR THE CURB DESIGN SPECIFIED. SEE WSDOT STANDARD PLAN F-10.12 FOR CURB, CURB AND GUTTER, AND PEDESTRIAN CURB DETAILS.
4. SEE WSDOT STANDARD PLAN F-30.10 FOR CEMENT CONCRETE SIDEWALK DETAILS. SEE CONTRACT PLANS FOR WIDTH AND PLACEMENT OF SIDEWALK.
5. THE BID ITEM "CEMENT CONCRETE CURB RAMP TYPE ___" DOES NOT INCLUDE THE ADJACENT CURB, CURB AND GUTTER, PEDESTRIAN CURB OR SIDEWALK.
6. THE CURB RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES.
7. CURB RAMP, LANDING, & FLARES SHALL RECEIVE BROOM FINISH. SEE WSDOT STANDARD SPECIFICATIONS 8-14.



A/- SECTION
NTS



B/- SECTION
NTS

NOTE:
ARC DIMENSIONS, ⌒25'-6"±, SHOWN ON PLANS ARE AT FACE OF CURB.

ROADWAY WORK

1. REMOVE CEMENT CONC. SIDEWALK/DRIVE APPROACH
2. REMOVE CEMENT CONC. CURB AND GUTTER
3. REMOVE PEDESTRIAN CURB
4. SOD PATCHBACK
5. GRAVEL PATCHBACK
6. BARK PATCHBACK
7. RETAIN AND PROTECT EXISTING JUNCTION BOX
8. PROTECT EXISTING LOOPS
9. REMOVE HMA PATCH

SIDEWALK NOTES:

1. SIDEWALK TO MAINTAIN A MINIMUM OF 1% AND A MAXIMUM OF 2% CROSS SLOPE.
2. CONTRACTOR TO VERIFY DRIVEWAY ELEVATIONS AND SLOPES PRIOR TO CONSTRUCTION. NOTIFY ENGINEER AND PERFORM A SITE WALK WITH THE PROJECT ENGINEER BEFORE SETTING FORM WORK.
3. CONTRACTOR OR REPRESENTATIVE TO NOTIFY ALL BUSINESSES 48 HOURS PRIOR TO DRIVEWAY ACCESS BEING RESTRICTED OR LIMITED DUE TO POURING CURB OR DRIVEWAY APPROACHES

FOR "AS CONSTRUCTED PLANS" ONLY

CRAIG ALDWORTH — STATE OF WASHINGTON — 27570 — REGISTERED PROFESSIONAL ENGINEER
1/15/15

CALL BEFORE YOU DIG 1-800-424-5555

SCALE: 10 5 0 10 20 FEET

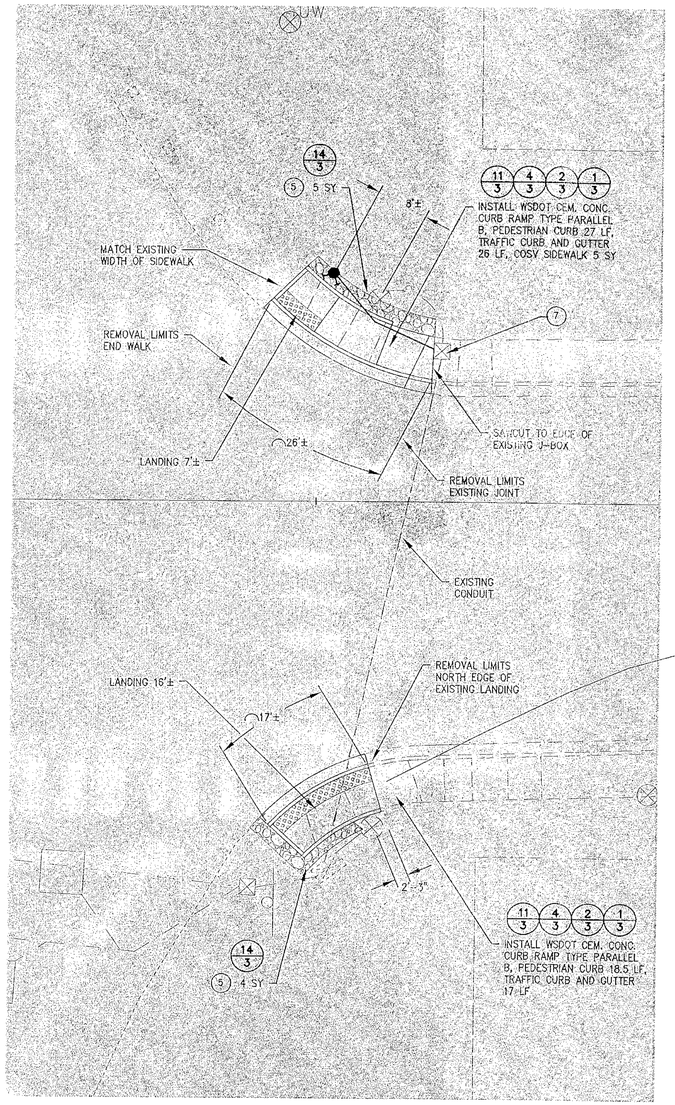
REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

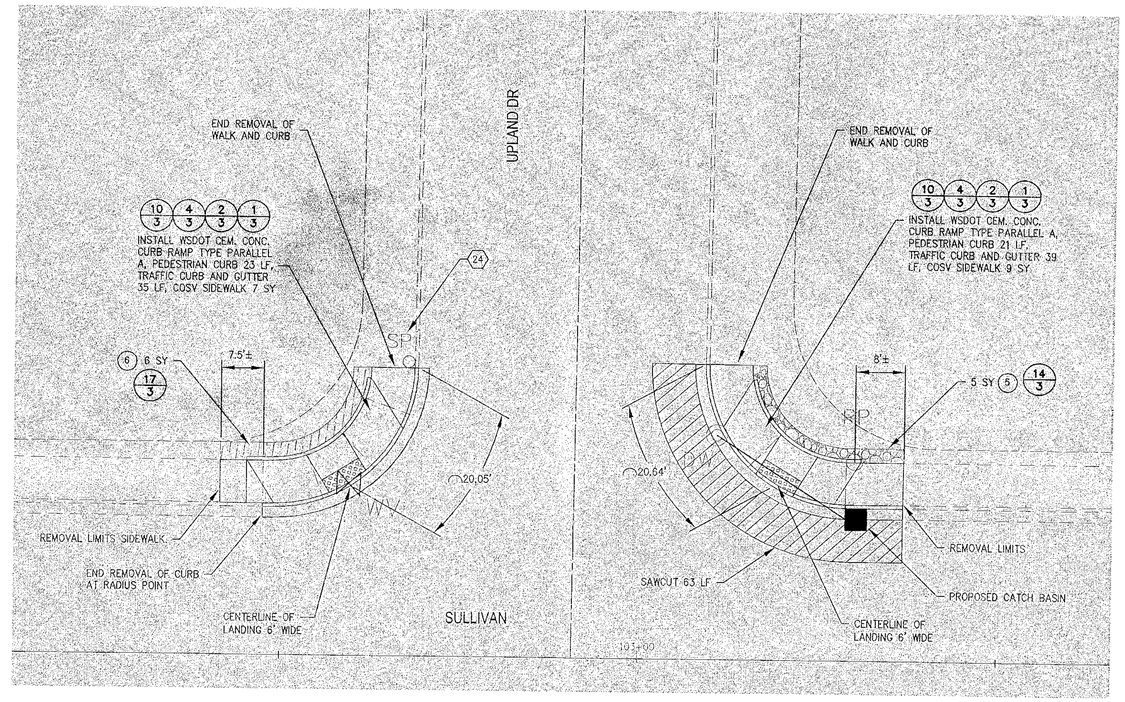
DRAWING TITLE: SULLIVAN (TRENT TO WELLESLEY) STREET PRESERVATION PROJECT
SIDEWALK AND CURB PLAN

PROJECT NO. 0211	SCALE: SCALE	DATE: 1/2015	TYPE OF IMPROVEMENT TYPE
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 8 OF 18
DRAWN BY: MJH	REVIEWED BY: –		

C/4 SIDEWALK AND CURB PLAN
STA 90+50 LT

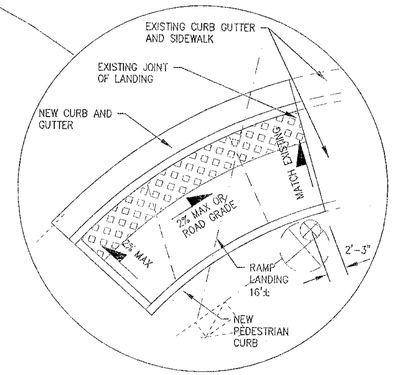


D/4 SIDEWALK AND CURB PLAN
STA 90+50 RT



E/6 SIDEWALK AND CURB PLAN
STA 102+60 LT

F/6 SIDEWALK AND CURB PLAN
STA 103+20 LT



LANDING SLOPES

LEGEND

- 2" PLANING AND HMA INLAY (25/3)
- HMA STORMWATER PATCH (20/3)
- TAPER GRIND AREA 2" TO 3/8" (22/3) (23/3)
- SOD PATCHBACK (16/3)
- GRAVEL PATCHBACK (14/3)
- BARK PATCHBACK (17/3)
- HMA PATCH (26/3)

ROADWAY WORK

1. REMOVE CEMENT CONC. SIDEWALK/DRIVE APPROACH
2. REMOVE CEMENT CONC. CURB AND GUTTER
3. REMOVE PEDESTRIAN CURB
4. SOD PATCHBACK
5. GRAVEL PATCHBACK
6. BARK PATCHBACK
7. RETAIN AND PROTECT EXISTING JUNCTION BOX
8. PROTECT EXISTING LOOPS
9. REMOVE HMA PATCH

NOTE:
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SIDEWALK NOTES:

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FOR "AS CONSTRUCTED PLANS" ONLY

CRAIG ALDWORTH
STATE OF WASHINGTON
27578
REGISTERED PROFESSIONAL ENGINEER
7/15/15

10 5 0 10 20
SCALE FEET

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
SIDEWALK AND CURB PLAN

CALL BEFORE YOU DIG 1-800-424-5555

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	SCALE	1/2015	STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO.
DRAWN BY: MJH	REVIEWED BY: –		9 OF 18

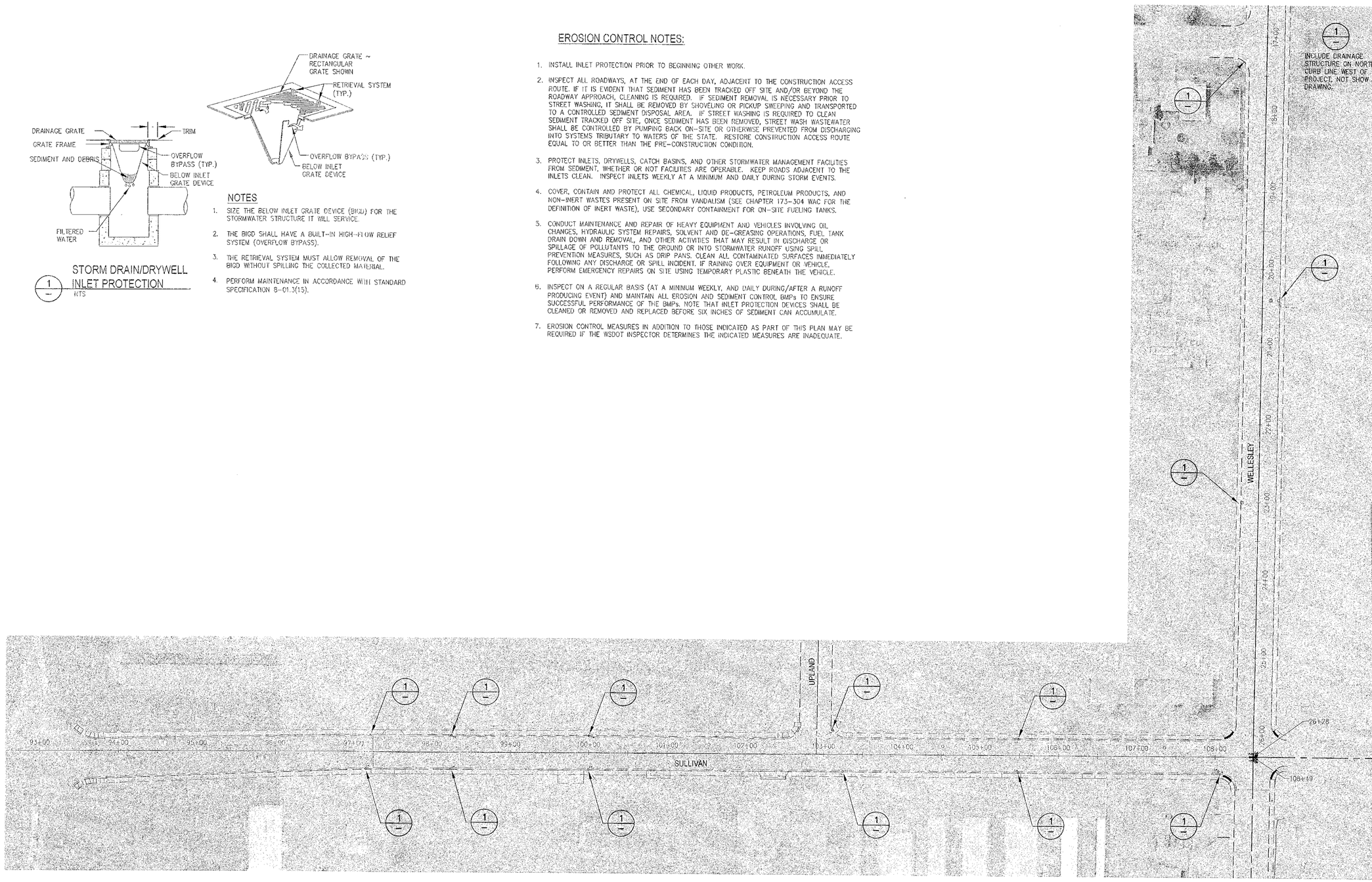
NOTES

1. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORMWATER STRUCTURE IT WILL SERVICE.
2. THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
3. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
4. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).

1 / — STORM DRAIN/DRYWELL INLET PROTECTION
NTS

EROSION CONTROL NOTES:

1. INSTALL INLET PROTECTION PRIOR TO BEGINNING OTHER WORK.
2. INSPECT ALL ROADWAYS, AT THE END OF EACH DAY, ADJACENT TO THE CONSTRUCTION ACCESS ROUTE. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, CLEANING IS REQUIRED. IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE. RESTORE CONSTRUCTION ACCESS ROUTE EQUAL TO OR BETTER THAN THE PRE-CONSTRUCTION CONDITION.
3. PROTECT INLETS, DRYWELLS, CATCH BASINS, AND OTHER STORMWATER MANAGEMENT FACILITIES FROM SEDIMENT, WHETHER OR NOT FACILITIES ARE OPERABLE. KEEP ROADS ADJACENT TO THE INLETS CLEAN. INSPECT INLETS WEEKLY AT A MINIMUM AND DAILY DURING STORM EVENTS.
4. COVER, CONTAIN AND PROTECT ALL CHEMICAL, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.
5. CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT AND DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. IF RAINING OVER EQUIPMENT OR VEHICLE, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE.
6. INSPECT ON A REGULAR BASIS (AT A MINIMUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING EVENT) AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPs TO ENSURE SUCCESSFUL PERFORMANCE OF THE BMPs. NOTE THAT INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACED BEFORE SIX INCHES OF SEDIMENT CAN ACCUMULATE.
7. EROSION CONTROL MEASURES IN ADDITION TO THOSE INDICATED AS PART OF THIS PLAN MAY BE REQUIRED IF THE WSDOT INSPECTOR DETERMINES THE INDICATED MEASURES ARE INADEQUATE.



60 30 0 60 120
SCALE FEET

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
EROSION CONTROL PLAN

CALL BEFORE YOU DIG 1-800-424-5555

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	SCALE	1/2015	STREET
DESIGNED BY: CWA/EKA	CHECKED BY: CWA		DRAWING NO. 10 OF 18
DRAWN BY: MJH	REVIEWED BY: --		

CRAIG ALDWORTH
STATE OF WASHINGTON
22570
REGISTERED PROFESSIONAL ENGINEER
1.15.15

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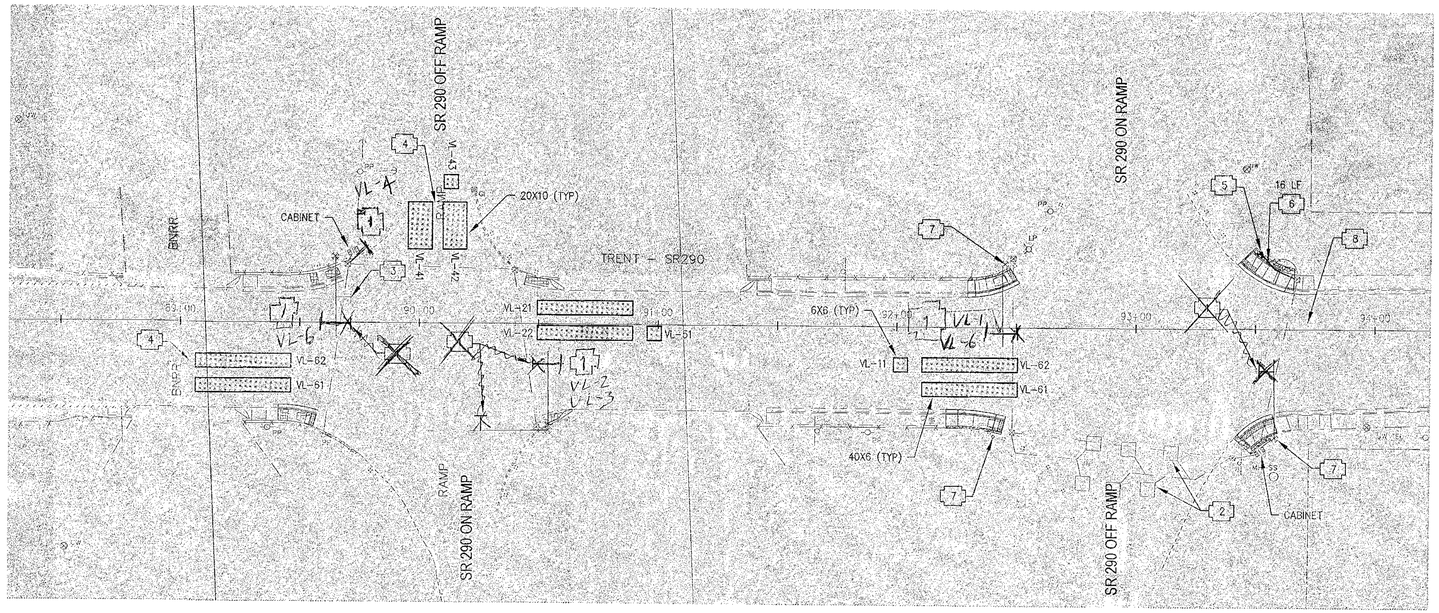


SIGNAL WORK

1. FURNISH AND INSTALL NON-INTRUSIVE DETECTORS ON MASTARM PER MANUFACTURES RECOMMENDATIONS.
2. PROTECT EXISTING LOOPS
3. REMOVE EXISTING VIRTUAL DETECTION SYSTEM.
4. OK TO DEMO/REMOVE EXISTING LOOPS.
5. INSTALL NEW PEDESTRIAN SIGNAL STANDARD (TYPE PS) PER WSDOT STD. PLAN J-20.16-02. REMOVE PUSHBUTTONS FROM EXISTING SIGNAL POLE AND REINSTALL ON NEW POLE. REMOVE WIRE FROM EXISTING CONDUITS AND INSTALL 2-#14-2 CONDUCTOR AND 1-#14-5 CONDUCTOR CABLES FROM THE CABINET TO THE POLE. INSTALL NEW FOUNDATION PER WSDOT STD. PLAN J-21.10-04.
6. INSTALL 1.5" CONDUIT IN TRENCH PER DETAIL. CONNECT TO EXISTING JUNCTION BOX.
7. ADJUST PEDESTRIAN PUSH BUTTONS TO 42" ABOVE FINISHED GRADE.

TRAFFIC LEGEND

- NON-INTRUSIVE DETECTION SENSOR
- JUNCTION BOX (EXISTING)
- JUNCTION BOX (PROPOSED)
- PROPOSED CONDUIT
- EXISTING CONDUIT
- SIGNAL CABINET
- PEDESTRIAN SIGNAL POLE
- EXISTING SIGNAL POLE
- VIRTUAL DETECTION ZONE SHOWN FOR REFERENCE ONLY. FINAL LOCATION SHALL BE DETERMINED BY ENGINEER.
- EXISTING PEDESTRIAN SIGNAL POLE

FOR "AS CONSTRUCTED PLANS" ONLY

MARK RYAN KIPP
STATE OF WASHINGTON
48551
REGISTERED PROFESSIONAL ENGINEER
1/15/15

30 15 0 30 60
SCALE FEET

CALL BEFORE YOU DIG 1-800-424-5555

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley

City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
SIGNAL PLAN

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	SCALE	1/2015	STREET
DESIGNED BY: MRK	CHECKED BY: MRK		DRAWING NO. 11 OF 18
DRAWN BY: RPB\MJH	REVIEWED BY: -		

CONSTRUCTION NOTES

1. INSTALL 4" WHITE INLAY TAPE TYPE C1 LANE LINE (SKIP), PER WSDOT STANDARD PLAN M-20.10-02.
2. INSTALL 4" YELLOW INLAY TAPE TYPE C1 LANE LINE (SOILD), PER WSDOT STANDARD PLAN M-20.10-02.
3. INSTALL 2' WIDE WHITE GROOVED PLASTIC CROSSWALK LINE WITH INLAY TAPE, TYPE C1, PER WSDOT STANDARD PLAN M-15.10-01.
4. INSTALL 18" WIDE WHITE GROOVED PLASTIC STOP LINE WITH INLAY TAPE, TYPE C1, PER WSDOT STANDARD M-24.60-04.
5. INSTALL WHITE PLASTIC TYPE B1 TRAFFIC ARROW TYPE 2SR, AND "ONLY" LETTER APPLICATION, PER WSDOT STANDARD PLAN M-24.40-01 AND M-80.10-01.
6. INSTALL 8" WHITE INLAY TAPE TYPE C1 SOLID LINE, PER WSDOT STANDARD PLAN M-20.10-02.
7. INSTALL 8" WHITE INLAY TAPE TYPE C1 WIDE DOTTED LANE LINE, PER WSDOT STANDARD PLAN M-20.10-02.
8. INSTALL 4" WHITE INLAY TAPE TYPE C1 LANE LINE (SOILD), PER WSDOT STANDARD PLAN M-20.10-02.
9. INSTALL 4" YELLOW INLAY TAPE TYPE C1 LANE LINE (SKIP), PER WSDOT STANDARD PLAN M-20.10-02.
10. REMOVE PAVEMENT MARKINGS PER LF.
11. INSTALL WHITE PLASTIC TYPE B1 TRAFFIC LETTERS PER WSDOT STANDARD PLAN M-80.10-01.

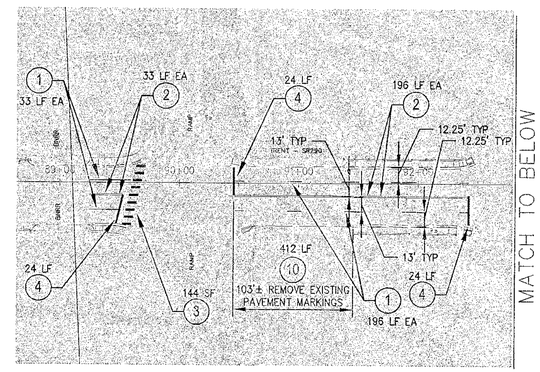
GENERAL NOTES

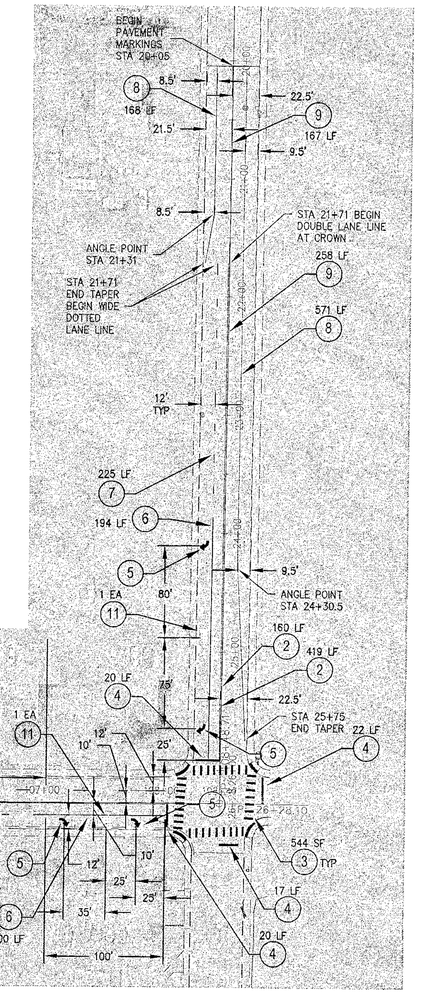
1. MATCH PROPOSED PAVEMENT MARKING TO EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS.
2. LANE WIDTHS ARE MEASURED TO THE FACE OF CURB.
3. NEW PAVEMENT MARKINGS AT THE INTERSECTION OF SULLIVAN AND WELLESLEY TO MATCH EXISTING. THE CONTRACTOR SHALL MARK EXISTING CENTERLINE OF CROSSWALKS AND STOP BARS ON CURB BEFORE GRINDING INTERSECTION.

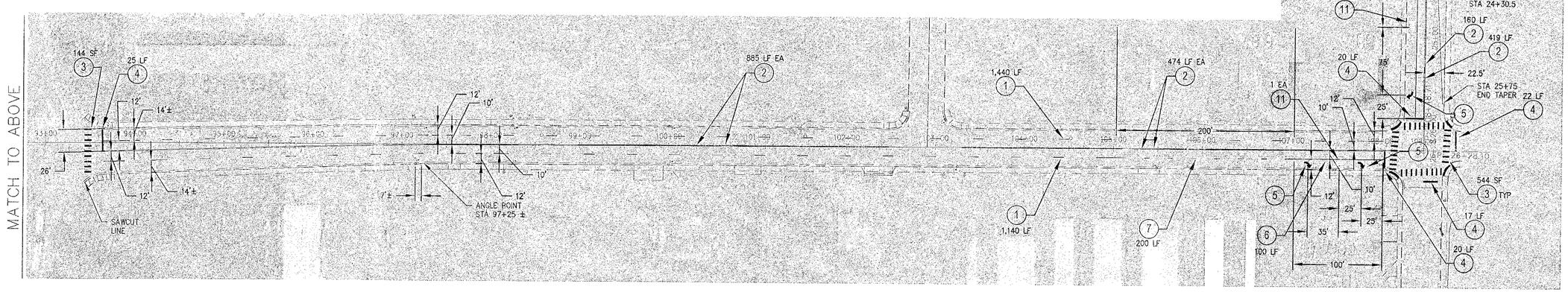
LEGEND

PROPOSED PAVEMENT MARKING (4"; 10' SOLID, 30' SKIP)

PROPOSED PAVEMENT MARKING (SOLID)







FOR "AS CONSTRUCTED PLANS" ONLY

MARK RYAN KING
STATE OF WASHINGTON
46208
REGISTERED PROFESSIONAL ENGINEER
1/15/15

CALL BEFORE YOU DIG 1-800-424-5555

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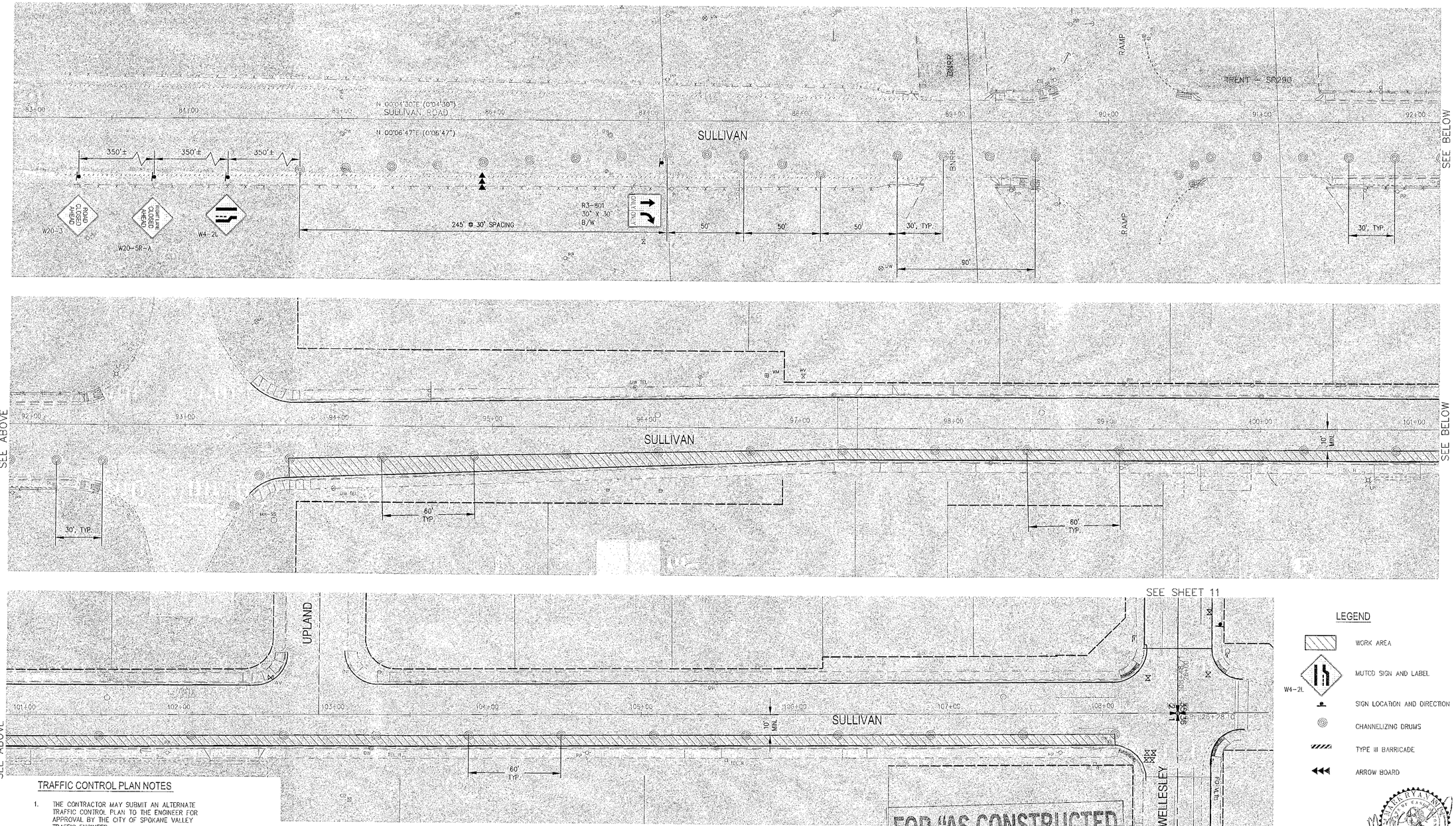
SCALE FEET

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
PAVEMENT MARKING PLAN

PROJECT NO. 0211	SCALE: SCALE	DATE: 1/2015	TYPE OF IMPROVEMENT STREET
DESIGNED BY: MRK	CHECKED BY: MRK		DRAWING NO. 12 OF 18
DRAWN BY: RPB\MJH	REVIEWED BY: --		



TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR MAY SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
2. THE ALTERNATE PLAN SHALL CONFORM TO CURRENT MUTCD REQUIREMENTS AND INCORPORATE SECTION 1-07 AND 1-10 REQUIREMENTS.
3. ALL TRAFFIC CONTROL DEVICES MUST CONFORM WITH THE MUTCD.
4. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" AND BLACK ON ORANGE UNLESS OTHERWISE NOTED. LETTERING ON OTHER SIGNS SHALL BE AT LEAST 5".

LEGEND

- WORK AREA
- W4-2L — MUTCD SIGN AND LABEL
- SIGN LOCATION AND DIRECTION
- CHANNELIZING DRUMS
- TYPE III BARRICADE
- ARROW BOARD

FOR "AS CONSTRUCTED PLANS" ONLY

1/15/15

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NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
TCP - TRENT TO WELLESLEY (EAST)

PROJECT NO. 0211	SCALE: 1"=30'	DATE: 1/2015	TYPE OF IMPROVEMENT: TRAFFIC
DESIGNED BY: MRK		CHECKED BY: MRK	DRAWING NO. 13 OF 18
DRAWN BY: RPB\MJH		REVIEWED BY: –	

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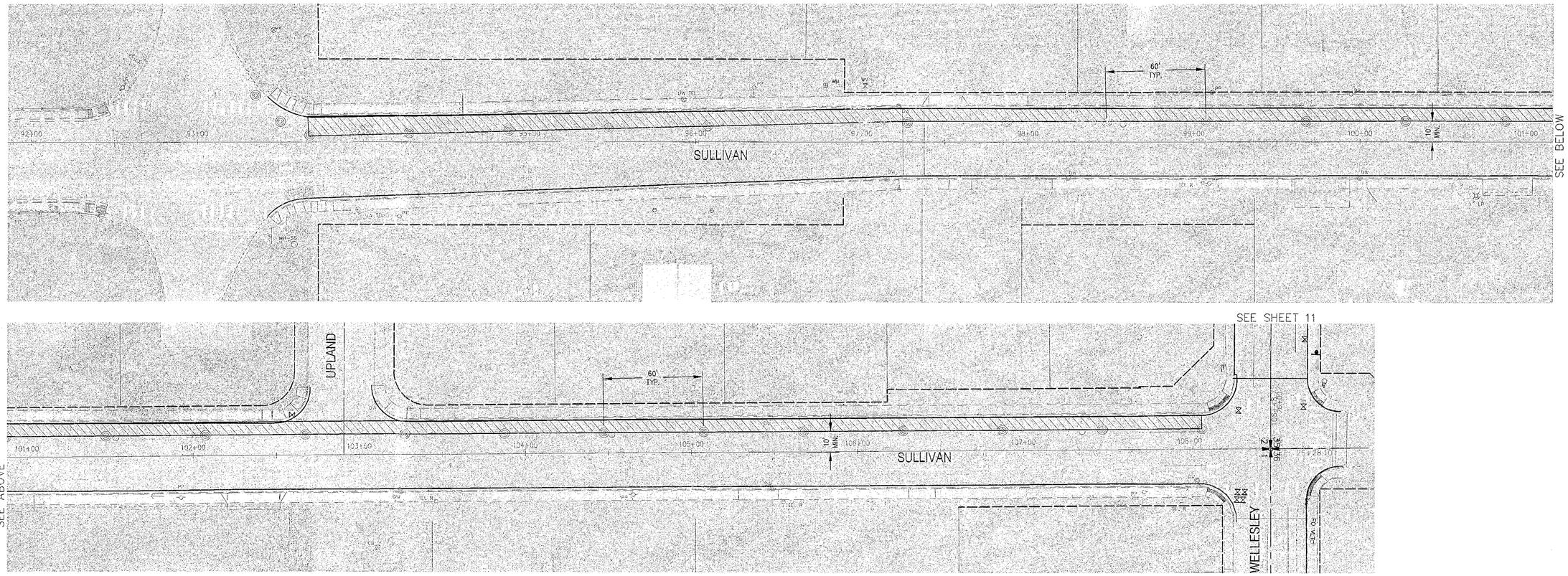

LEGEND

- WORK AREA
- MUTCD SIGN AND LABEL (W4-2L)
- SIGN LOCATION AND DIRECTION
- CHANNELIZING DRUMS
- TYPE III BARRICADE
- ARROW BOARD

TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR MAY SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
2. THE ALTERNATE PLAN SHALL CONFORM TO CURRENT MUTCD REQUIREMENTS AND INCORPORATE SECTION 1-07 AND 1-10 REQUIREMENTS.
3. ALL TRAFFIC CONTROL DEVICES MUST CONFORM WITH THE MUTCD.
4. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" AND BLACK ON ORANGE UNLESS OTHERWISE NOTED. LETTERING ON OTHER SIGNS SHALL BE AT LEAST 5".

FOR "AS CONSTRUCTED PLANS" ONLY

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SCALE FEET

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
TCP - TRENT TO WELLESLEY (WEST)

PROJECT NO. 0211	SCALE: 1"=30'	DATE: 1/2015	TYPE OF IMPROVEMENT TRAFFIC
DESIGNED BY: MRK		CHECKED BY: MRK	DRAWING NO. 14 OF 18
DRAWN BY: RPS\MJH		REVIEWED BY: –	

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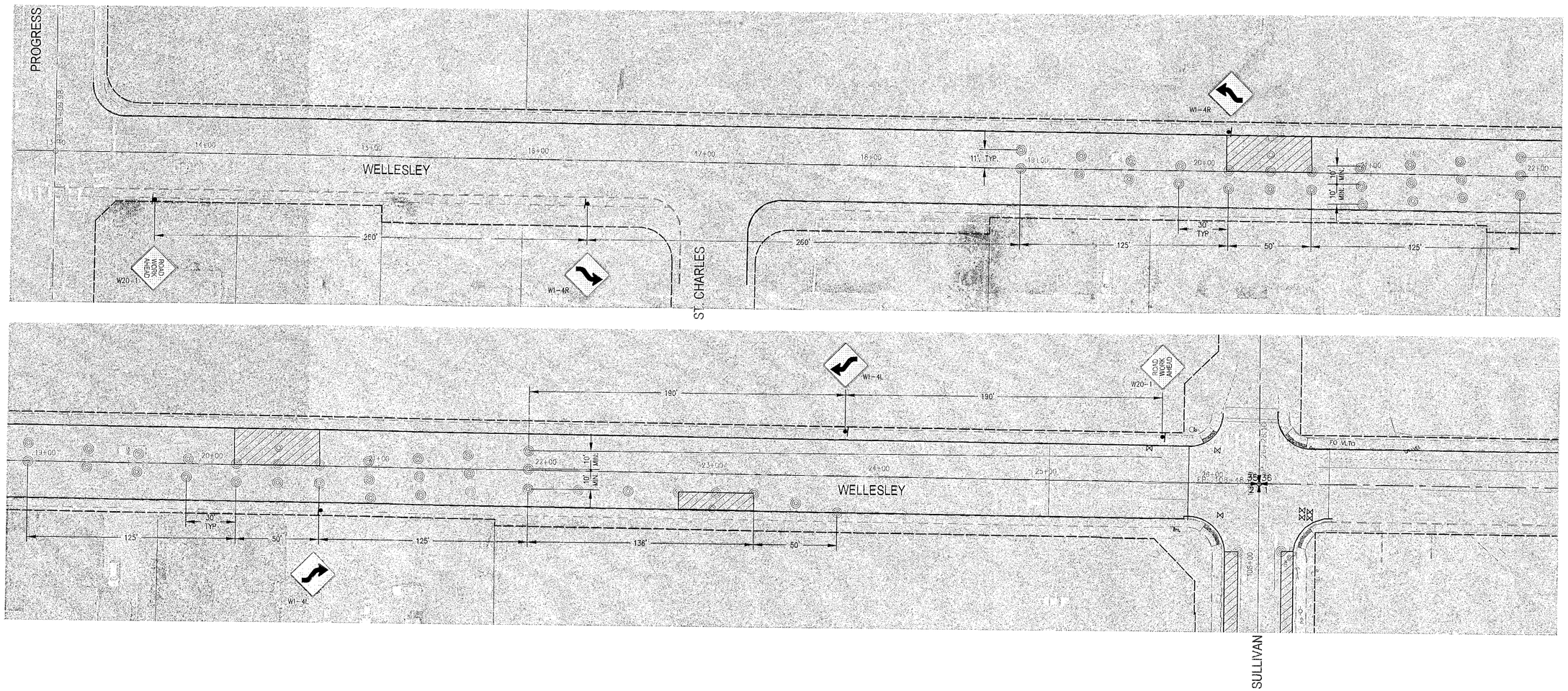

LEGEND

- WORK AREA
- MUTCD SIGN AND LABEL (W4-2L)
- SIGN LOCATION AND DIRECTION
- CHANNELIZING DRUMS
- TYPE III BARRICADE
- ARROW BOARD

TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR MAY SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
2. THE ALTERNATE PLAN SHALL CONFORM TO CURRENT MUTCD REQUIREMENTS AND INCORPORATE SECTION 1-07 AND 1-10 REQUIREMENTS.
3. ALL TRAFFIC CONTROL DEVICES MUST CONFORM WITH THE MUTCD.
4. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" AND BLACK ON ORANGE UNLESS OTHERWISE NOTED. LETTERING ON OTHER SIGNS SHALL BE AT LEAST 5".

FOR "AS CONSTRUCTED PLANS" ONLY

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SCALE FEET

CALL BEFORE YOU DIG 1-800-424-5555

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
TCP - PROGRESS TO SULLIVAN

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	1"=30'	1/2015	TRAFFIC
DESIGNED BY: MRK	CHECKED BY: MRK		DRAWING NO.
DRAWN BY: RPB\MJH	REVIEWED BY: –		15 OF 18

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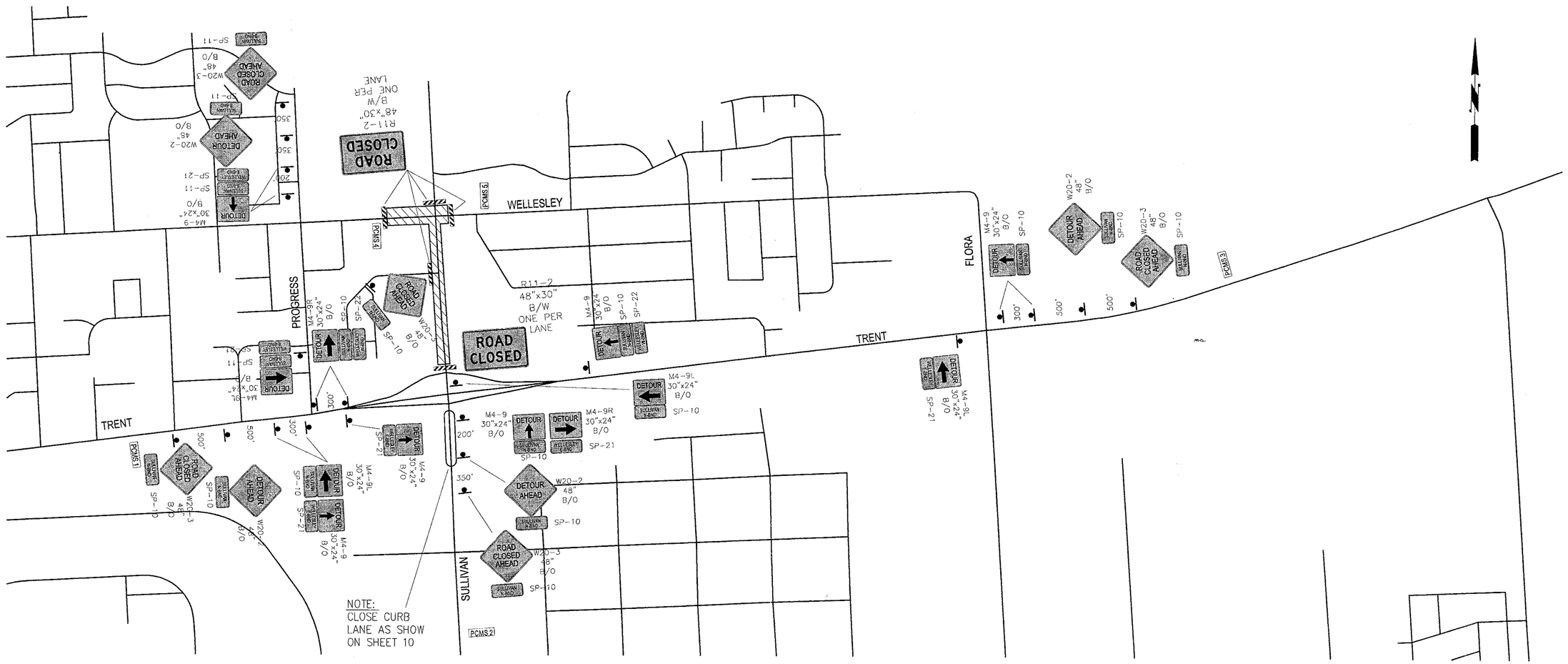

SULLIVAN CLOSURE DETOUR PLAN
FOR NIGHT TIME PAVING/PLANING CLOSURE
SCALE: 1"=500'

FOR "AS CONSTRUCTED PLANS" ONLY

TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR MAY SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
2. THE ALTERNATE PLAN SHALL CONFORM TO CURRENT MUTCD REQUIREMENTS AND INCORPORATE SECTION 1-07 AND 1-10 REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE WITH SPOKANE COUNTY SIGNAL SHOP, 477-7702, FOR SIGNAL MODIFICATIONS ONE WEEK PRIOR TO SETUP.
4. ALL TRAFFIC CONTROL DEVICES MUST CONFORM WITH THE CURRENT MUTCD.
5. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. LETTERING ON OTHER SIGNS SHALL BE AT LEAST 6".
6. ALL CHANNELIZING DEVICES TO BE SPACED AT 30' ON TAPERS AND 60' ON TANGENT UNLESS NOTED OTHERWISE.
7. WORK IS TO BE COMPLETED DURING NIGHTTIME CLOSURES FROM **8:00 PM TO 6 AM.**
8. INSTALL PEDESTRIAN DETOUR PER WSDOT PEDESTRIAN CONTROL AND PROTECTION PLAN TC16. IF ANY PEDESTRIAN MOVEMENTS ARE IMPACTED.
9. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AT LEAST ONE WEEK PRIOR TO THE NIGHT CLOSURE AND STAY IN PLACE UNTIL ALL NIGHT CLOSURE WORK IS COMPLETED.
10. ALL SIGNS LABELED "SP" SHALL BE 30" WIDE, BLACK ON ORANGE WITH MINIMUM 6" LETTERING.
11. CLOSURE SHALL BE SHOWN ON SCHEDULE AND APPROVED PRIOR TO USE.
12. THIS DETOUR PLAN ASSUMES SULLIVAN RAMPS ARE OPEN TO TRAFFIC. IF SULLIVAN RAMPS ARE CLOSED, THE CONTRACTOR SHALL SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
13. NO FLAGGERS OR SPOTTERS THIS STAGE PER WSDOT STD. SPECIFICATION 1-10.2(2).

LEGEND

- WORK AREA
- MUTCD SIGN AND LABEL (W4-2L)
- SIGN LOCATION AND DIRECTION
- CHANNELIZING DRUMS
- ××× PAVEMENT MOUNTED TUBULAR MARKERS
- TYPE III BARRICADE
- ARROW BOARD
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- DIRECTIONAL ARROW (NOT FOR INSTALLATION)

PCMS 1,2 and 3	PCMS 4 and 5
N-BND SULLIVAN CLOSED	WELLESLEY CLOSED
DATES HOURS	DATES HOURS

2/17/15

CALL BEFORE YOU DIG 1-800-424-5555

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE: SULLIVAN (TRENT TO WELLESLEY) STREET PRESERVATION PROJECT DETOUR PLAN

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	SCALE	1/2015	STREET
DESIGNED BY: MRK	CHECKED BY: MRK		DRAWING NO. 16 OF 18
DRAWN BY: RPB\MJH	REVIEWED BY: –		

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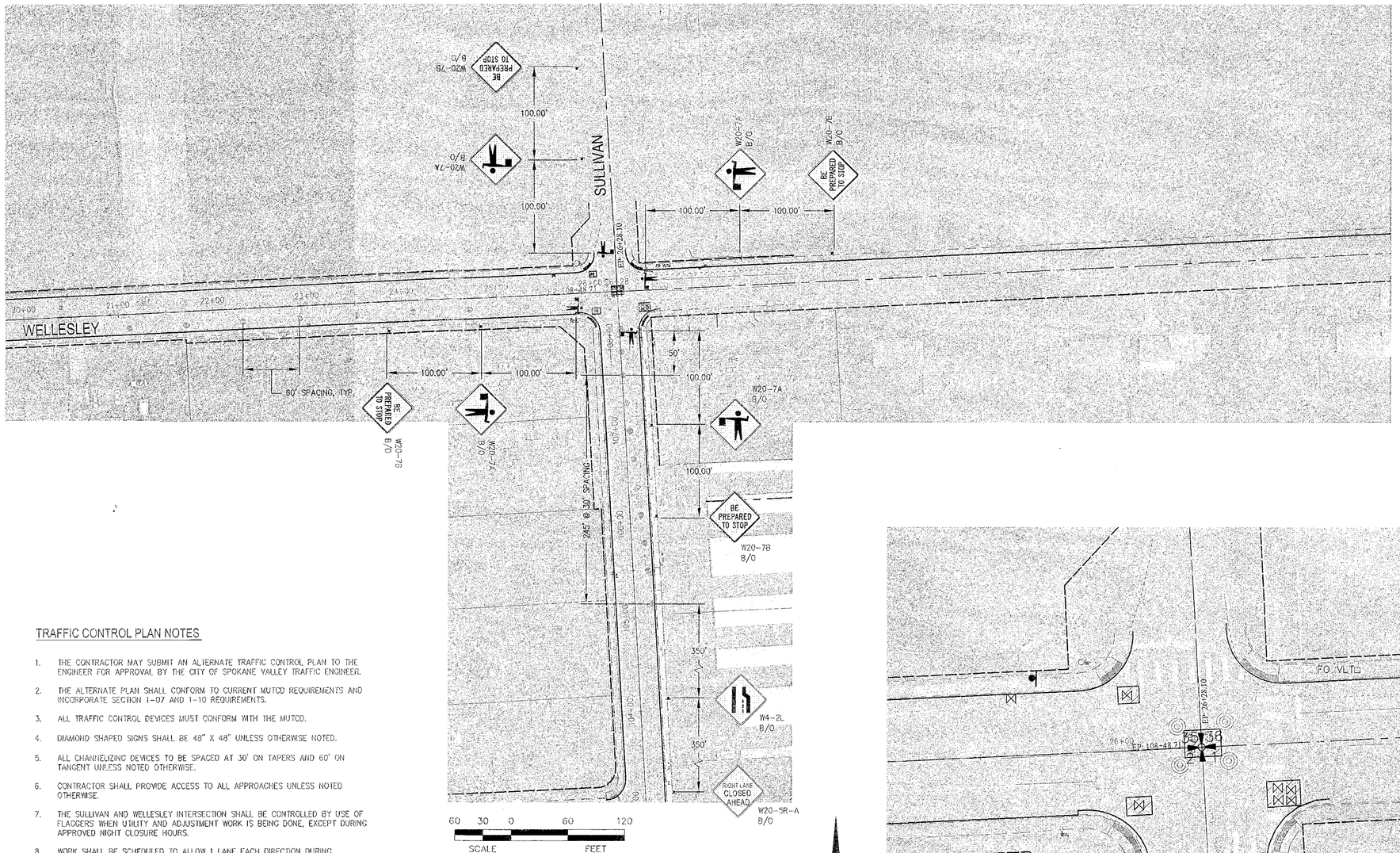

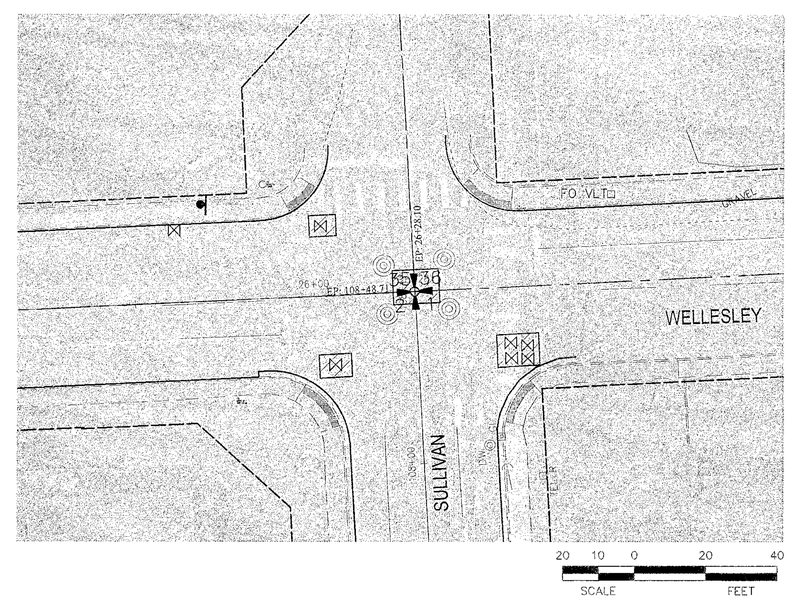

LEGEND

- WORK AREA
- W4-2L — MUTCD SIGN AND LABEL
- SIGN LOCATION AND DIRECTION

TRAFFIC CONTROL PLAN NOTES

1. THE CONTRACTOR MAY SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL BY THE CITY OF SPOKANE VALLEY TRAFFIC ENGINEER.
2. THE ALTERNATE PLAN SHALL CONFORM TO CURRENT MUTCD REQUIREMENTS AND INCORPORATE SECTION 1-07 AND 1-10 REQUIREMENTS.
3. ALL TRAFFIC CONTROL DEVICES MUST CONFORM WITH THE MUTCD.
4. DIAMOND SHAPED SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED.
5. ALL CHANNELIZING DEVICES TO BE SPACED AT 30' ON TAPERS AND 60' ON TANGENT UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL PROVIDE ACCESS TO ALL APPROACHES UNLESS NOTED OTHERWISE.
7. THE SULLIVAN AND WELLESLEY INTERSECTION SHALL BE CONTROLLED BY USE OF FLAGGERS WHEN UTILITY AND ADJUSTMENT WORK IS BEING DONE, EXCEPT DURING APPROVED NIGHT CLOSURE HOURS.
8. WORK SHALL BE SCHEDULED TO ALLOW 1 LANE EACH DIRECTION DURING ADJUSTMENT CURE TIMES.

FOR "AS CONSTRUCTED PLANS" ONLY

MARK RYAN KIDD STATE OF WASHINGTON 45551 REGISTERED PROFESSIONAL ENGINEER

2/17/15

CALL BEFORE YOU DIG 1-800-424-5555

REVISIONS			
NO.	DATE	DESCRIPTION	BY

City of Spokane Valley
City of Spokane Valley
Department of Public Works
11707 East Sprague Avenue, Suite 106
SPOKANE VALLEY, WA. 99206
(509) 921-1000

DRAWING TITLE
SULLIVAN (TRENT TO WELLESLEY)
STREET PRESERVATION PROJECT
WELLESLEY INTERSECTION/TRAFFIC CONTROL

PROJECT NO.	SCALE:	DATE:	TYPE OF IMPROVEMENT
0211	1"=30'	1/2015	TRAFFIC
DESIGNED BY: MRK	CHECKED BY: MRK		DRAWING NO. 18 OF 18
DRAWN BY: RPB\MJH	REVIEWED BY: –		