CONSTRUCTION NOTES

1. INSTALL SMALL CABINET FIBER OPTIC DISTRIBUTION PANEL (12 PORT) IN CABINET IN ACCORDANCE WITH THE COMMUNICATION CABLES AND INTERFACES SPECIAL PROVISION. TERMINATE ALL STRANDS OF 12 SMFO CABLE IN THE DISTRIBUTION PANEL USING FACTORY-CONNECTORIZED, LC-LC CONNECTORS.

2. INSTALL FIBER OPTIC TERMINAL CABINET AND ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE FIBER OPTIC TERMINAL CABINET SPECIAL PROVISION AND ITS DETAILS SHEET ITD10. MAKE POWER CONNECTION TO THE CABINET.

3. INSTALL 1-48 PORT PRETERMINATED FIBER OPTIC PATCH PANEL IN CABINET IN ACCORDANCE WITH THE COMMUNICATION CABLES AND INTERFACES SPECIAL PROVISION.

4. SPLICE 2-48 SMFO CABLES TO PRETERMINATED FIBER OPTIC STUB CABLES (2-24SMFO, 1-48SMFO) IN APPROVED SPLICE CLOSURE IN CABLE VAULT AS SHOWN IN ITS DETAIL SHEETS ITD23-ITD25.

5. SPLICE 48 SMFO CABLES TO 2-24 SMFO PRETERMINATED FIBER OPTIC STUB CABLES IN AN APPROVED SPLICE CLOSURE AS SHOWN IN ITS DETAIL SHEETS ITD23-ITD25.

6. REMOVE EXISTING TYPE 1 JUNCTION BOX. INSTALL NEW TYPE 2L JUNCTION BOX IN ACCORDANCE WITH THE JUNCTION BOX SPECIAL PROVISIONS AND ITS DETAIL SHEETS ITD27-ITD28.

7. INSTALL CABLE VAULT AT GRADE IN ACCORDANCE WITH THE ITS SPECIAL PROVISIONS AND STANDARD PLAN J-15b.

8. INSTALL 30 Amp BREAKER ON EXISTING CIRCUIT. MAKE POWER CONNECTION TO NEW BREAKER FOR ITS EQUIPMENT.

9. INSTALL TYPE R1 VEHICLE DETECTION INDUCTION LOOPS IN ACCORDANCE WITH THE INDUCTION LOOP VEHICLE DETECTION SPECIAL PROVISION AND ITS DETAIL SHEETS ITD4-ITD7.

10. INSTALL LOOPS IN ACCORDANCE WITH THE TYPE R1 INDUCTION LOOPS SPEED DETECTION LAYOUT DETAIL SHEET ITD4.

11. REMOVE EXISTING LOOP SPLICE(S). SPLICE NEW LOOP WIRE(S) TO EXISTING DETECTOR LEAD-IN(S) IN JUNCTION BOX IN ACCORDANCE WITH THE ITS SPECIAL PROVISIONS AND ITS DETAIL SHEETS ITD5-ITD6.

12. REMOVE EXISTING JUNCTION BOX. INTERCEPT EXISTING 2" CONDUIT WITH NEW 2" CONDUIT AND EXTEND IT TO NEW JUNCTION BOX.

13. INSTALL HEAVY DUTY JUNCTION BOX TYPE 4 IN ACCORDANCE WITH THE STANDARD PLAN J-11b.

14. INSTALL HEAVY DUTY JUNCTION BOX TYPE 5 IN ACCORDANCE WITH THE STANDARD PLAN J-11b.

15. INSTALL FOUR VEHICLE SIGNAL DISPLAY HEADS, SIGNS, AND ALL ASSOCIATED EQUIPMENT ON SIGNAL BRIDGE IN ACCORDANCE WITH THE TRAFFIC DATA ACCUMULATION AND RAMP METERING SYSTEM SPECIAL PROVISION AND ITS DETAIL SHEET ITD21. SEE BRIDGE PLAN FOR DETAILS OF SIGNAL BRIDGE STRUCTURE AND FOUNDATION. SEE SIGNING PLAN FOR SIGN DETAILS.

16. INSTALL TYPE R2 VEHICLE DETECTION INDUCTION LOOPS IN ACCORDANCE WITH THE INDUCTION LOOP VEHICLE DETECTION SPECIAL PROVISION AND ITS DETAIL SHEETS ITD4-ITD7.

17. INSTALL MODEL 334 CONTROLLER CABINET AND ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE MODEL 334 SPECIAL PROVISION AND ITS DETAIL SHEETS ITD1-ITD3.

18. INSTALL 480-120/240 V, 5 KVA TRANSFORMER AND CABINET FOR ITS EQUIPMENT IN ACCORDANCE WITH THE TRANSFORMER AND CABINETS SPECIAL PROVISION AND ITS DETAIL SHEETS ITD15.

19. INSTALL SINGLE CABINET WITH TRANSFORMER FOUNDATION ON SLOPED AREA IN ACCORDANCE WITH THE ITS DETAIL SHEET ITD20.

20. POWER JUNCTION BOX. SEE ILLUMINATION PLAN FOR CONTINUATION.

21. INSTALL CAMERA CONTROLLER CABINET, OPTELECOM DIGITAL VIDEO TRANSMITTER, AND ASSOCIATED EQUIPMENT ACCORDANCE WITH THE CLOSED CIRCUIT TELEVISION SYSTEM SPECIAL PROVISION AND ITS DETAIL SHEET ITD9.

22. INSTALL HAR TRANSMITTER CONTROLLER CABINET, MANAGED ETHERNET SWITCH AND SWITCH BRACKET, AND ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE HIGHWAY ADVISORY RADIO TRANSMITTER SPECIAL PROVISION AND ITS DETAILS SHEET ITD16. INSTALL FC-LC CONNECTOR BETWEEN ETHERNET SWITCH AND THE PATCH PANEL IN ADJACENT CAMERA CABINET.

23. INSTALL NEW HAR TRANSMITTER ANTENNA AND ALL ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE HIGHWAY ADVISORY RADIO TRANSMITTER SPECIAL PROVISION, MANUFACTURER'S RECOMMENDATION AND ITS DETAILS SHEET ITD16.

24. REMOVE EXISTING HAR TRANSMITTER CABINET, POLE AND ALL ASSOCIATED EQUIPMENT AND DELIVER TO SIGNAL SHOP IN ACCORDANCE WITH THE REMOVE AND DELIVER SPECIAL PROVISION.

25. INSTALL WEATHER STATION FOUNDATION, TOWER, PAD MOUNTED CABINET AND ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE ROAD/WEATHER INFORMATION SYSTEM SPECIAL PROVISION AND MANUFACTURER'S RECOMMENDATION. SEE WEATHER STATION'S FOUNDATION DETAILS SHEET ITD17.

26. INSTALL PAVEMENT SENSORS 4' FROM FOG LINE AND PAVEMENT SENSOR CABLES FOR WEATHER STATION IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS APPROVED BY THE ENGINEER.

27. INSTALL MANAGED ETHERNET SWITCH, CABINET DEVICE SERVER, AND SWITCH BRACKET IN CABINET IN ACCORDANCE WITH THE VIDEO, VOICE & DATA DISTRIBUTION & TRANSMISSION SYSTEM SPECIAL PROVISION. MAKE FIBER CONNECTION TO THE SWITCH USING 4 FC-LC SINGLE MODE PATCH CORDS. MAKE EIA-232 CONNECTION BETWEEN DATA PORT OF THE DEVICE SERVER AND THE C2 PORT OF THE 170 CONTROLLER. INSTALL A 1 FOOT CAT6 CABLE BETWEEN THE UNMANAGED ETHERNET SWITCH AND THE CABINET DEVICE SERVER.

28. INSTALL 480-120/240 V, 10.0 KVA TRANSFORMER AND CABINET FOR ITS EQUIPMENT IN ACCORDANCE WITH THE TRANSFORMER AND CABINETS SPECIAL PROVISION AND ITS DETAIL SHEETS ITD15.

29. INSTALL MULTIPLE CABINET WITH TRANSFORMER FOUNDATION IN ACCORDANCE WITH THE ITS DETAIL SHEET ITD18.

30. SPLICE 12 SMFO CABLE TO PRETERMINATED FIBER OPTIC STUB CABLE IN APPROVED SPLICE CLOSURE AS SHOWN IN ITS DETAIL SHEETS ITD23-ITD26.

31. INSTALL TYPE WR VEHICLE DETECTION INDUCTION LOOPS IN ACCORDANCE WITH THE INDUCTION LOOP VEHICLE DETECTION SPECIAL PROVISION AND ITS DETAIL SHEETS ITD4-ITD7.

32. DISCONNECT AND REMOVE EXISTING CAMERA AND CAMERA CONTROL CABLES AND DELIVER TO SIGNAL SHOP. INSTALL NEW TOP-POLE MOUNT COLOR CAMERA SYSTEM, AND PEDESTAL MOUNT ON EXISTING CAMERA POLE. MAKE CONNECTION TO EXISTING CAMERA CONTROLLER CABINET USING NEW CAMERA CONTROL CABLE IN ACCORDANCE WITH THE CLOSED CIRCUIT TELEVISION SYSTEM SPECIAL PROVISION.

33. REMOVE EXISTING ADVANCE WARNING SIGN, POLE. REMOVE EXISTING FOUNDATION.

34. INSTALL FLASHING BEACON, POLE, SIGN, FOUNDATION FOR ADVANCED WARNING SIGN IN ACCORDANCE WITH THE ITS SPECIAL PROVISIONS AND ITS DETAIL SHEET ITD8.

35. INSTALL SINGLE CABINET FOUNDATION IN ACCORDANCE WITH THE ITS DETAIL SHEET ITD19.

36. INSTALL CONDUIT UNDER ROADWAY. THE CONDUIT SHALL BE INSTALLED UNDER EXISTING PAVEMENT USING APPROVED DIRECTIONAL BORING METHOD.

37. INSTALL 2" STUB OUT CONDUIT IN PAVEMENT FOR DETECTOR LOOP WIRE LEAD-INS.

38. ABANDON LOOP.

39. SPLICE 1-12SMFO, 2-48SMFO, AND 1-96SMFO CABLE TO PRETERMINATED FIBER OPTIC STUB CABLE IN AN APPROVED SPLICE CLOSURE IN CABLE VAULT AS SHOWN IN THE ITS DETAIL SHEETS ITD23-ITD25.

40. SPLICE 2- 48SMFO CABLE TO PRETERMINATED FIBER OPTIC STUB CABLE IN AN APPROVED SPLICE CLOSURE AS SHOWN IN THE ITS DETAIL SHEETS ITD23-ITD26.

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PLOTTED BY	tranp						
DESIGNED BY	P. TRAN				CONTRACT NO.		LOCATION NO.
ENTERED BY	H. MOSTAGHIMI						
CHECKED BY	G. LEEGE						
PROJ. ENGR.	S. SHALKLAWUN						
REGIONAL ADM.	L. ENG	REVISION	DATE	BY			

MICHAEL LEE FORBES — STATE OF WASHINGTON — 19133 — REGISTERED PROFESSIONAL ENGINEER

DATE

P.E. STAMP BOX

DATE

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Washington State Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

ITS NOTES

Plot 7

ITD1

SHEET OF SHEETS

CONSTRUCTION NOTES

41. INSTALL PRETERMINATED FIBER OPTIC PATCH PANELS (4-96 PORT) IN COMMUNICATION HUB IN ACCORDANCE WITH THE VIDEO,VOICE, & DATA DISTRIBUTION AND TRANSMISSION SYSTEM SPECIAL PROVISION.

42. SPLICE ALL STRANDS OF SINGLE MODE FIBER OPTIC CABLES AND PRETERMINATED FIBER OPTIC STUB CABLES IN AN APPROVED SPLICE CLOSURE AS SHOWN IN ITS DETAILS SHEET ITD23-ITD25.

43. PULL BACK EXISTING SMFO CABLES TO COMMUNICATION HUB TO THIS CABLE VAULT.

44. SPLICE ALL EXISTING AND NEW SMFO CABLES TO THE PRETERMINATED STUB CABLES STUB IN AN APPROVED SPLICE CLOSURE AS SHOWN IN ITS DETAILS SHEET ITD23-ITD25.

45. INSTALL OPTELECOM DIGITAL VIDEO TRANSMITTER AND POWER SUPPLY IN CABINET IN ACCORDANCE WITH THE VIDEO, VOICE, & DATA DISTRIBUTION AND TRANSMISSION SYSTEM SPECIAL PROVISION.

46. REPLACE EXISTING LID WITH A HEAVY DUTY LID TO EXISTING PULL BOX IN ACCORDANCE WITH THE STANDARD PLAN J90.10-00.

47. INSTALL 1-24 PORT PRETERMINATED FIBER OPTIC PATCH PANEL IN CABINET IN ACCORDANCE WITH THE COMMUNICATION CABLES AND INTERFACES SPECIAL PROVISIONS.

48. REPLACE EXISTING JUNCTION BOX WITH NEW TYPE 1L JUNCTION BOX IN ACCORDANCE WITH ITS SPECIAL PROVISIONS AND ITS DETAIL SHEETS ITD27-ITD28.

49. ABANDON EXISTING JUNCTION BOX.

ITS Legend

Existing	New	
		Type 1L Junction Box
		Type 2 Junction Box
		Type 3 Junction Box
		Type 4 Junction Box
		Type 5 Junction Box
CV	CV	ITS Cable Vault
PB	PB	ITS Pull Box
T	T	Transformer Cabinet
		CCTV Controller Cabinet
		Controller Cabinet
TC		Terminal Cabinet
CH		Comunication HUB
		RI Induction Loop
		WR Induction Loop
		CCTV Camera
		Conduit
		HAR Controller Cabinet
		HAR Transmitter
		Advance Warning Sign
		Ramp Meter Signal Head Type 2
		Electrical Service Cabinet
VMS	VMS	Shoulder Mounted VMS
		VMS Controller Cabinet
		Weather Station
		Weather Station Pavement Sensor

GENERAL NOTES

1. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AND BE APPROVED BY THE ENGINEER.

2. POWER CONDUCTORS SHALL BE WHITE FOR NEUTRAL, BLACK FOR HOT, AND GREEN FOR GROUND.

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PROJ. ENGR.	S. SHALKLAWUN						
REGIONAL ADM.	L. ENG	REVISION	DATE	BY			

MICHAEL LEE FORBES — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

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ITS NOTES

Plot 8
ITD2
SHEET OF SHEETS

△ WIRE NOTES

RUN NO.	EXISTING CONDUIT	NEW CONDUIT	INNERDUCT	EXISTING CONDUCTOR	NEW CONDUCTOR	REMARK
1	4"		A	1-48SMFO		EX. MAINLINE COMMUNICATION
			B		1-96SMFO	MAINLINE COMMUNICATION
			C		1-48SMFO	VIDEO/DATA DISTRIBUTION
			D			NO CONDUCTOR
	4"		A	1-25TWP		VOICE/DATA COMMUNICATION
			B	1-12MMFO		REMOVE
			C,D			NO CONDUCTOR
2	2"			1-CCC		CAMERA CONTROL CABLE
				1-2MMFO		REMOVE
					1-12SMFO	LATERAL TO CC-192
3	2"			1-6TWP		VOICE/DATA COMMUNICATION
				1-2MMFO		REMOVE
					1-12SMFO	LATERAL TO CC-192
4	1.5"			1-6TWP		VOICE/DATA COMMUNICATION
				1-2MMFO		REMOVE
					1-12SMFO	LATERAL TO CC-192
5	2"			1-6TWP		VOICE/DATA COMMUNICATION
				1-2MMFO		REMOVE
					1-12SMFO	LATERAL TO CC-192
	2.5"			10-2C(SH)		DETECTOR LEAD-INS
6	2"			1-2MMFO		REMOVE
				1-6TWP		VOICE/DATA COMM
					1-12SMFO	LATERAL TO CC-192
7	2"			2-25TWP		VOICE/DATA COMMUNICATION
					1-12SMFO	LATERAL TO CC-192
					1-48SMFO	PRETERMINATED CABLE STUB
8	4"		A	1-48SMFO		EX. MAINLINE COMMUNICATION
			B,C,D			NO CONDUCTOR
	4"		A	1-25TWP		VOICE/DATA COMMUNICATION
			B	1-12MMFO		VIDEO DISTRIBUTION
			C,D			NO CONDUCTOR
9	3"			9-2C(SH)		DETECTOR LEAD-INS
				1-5C		SIGNAL HEAD
					1-24SMFO	PRETERMINATED CABLE
	3"			10-2C(SH)		DETECTOR LEAD-INS
				1-2C		ADVANCED WARNING SIGN
				1-6TWP		VOICE/DATA COMMUNICATION
10	3"			10-2C(SH)		DETECTOR LEAD-INS
				1-2C		ADVANCED WARNING SIGN
				1-6TWP		VOICE/DATA COMMUNICATION
					1-24SMFO	PRETERMINATED CABLE
11	2"			4-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA COMMUNICATION
					1-24SMFO	PRETERMINATED CABLE
12	3"			4-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA COMMUNICATION
					1-24SMFO	PRETERMINATED CABLE
13	3"			1-6TWP		VOICE/DATA COMMUNICATION
					1-24SMFO	PRETERMINATED CABLE
14	3"			4-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA COMMUNICATION
	3"				1-24SMFO	PRETERMINATED CABLE
15	3"			8-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA COMMUNICATION
	3"				1-24SMFO	PRETERMINATED CABLE
16	3"			8-2C(SH)		DETECTOR LEAD-INS
	3"			12-2C(SH)		DETECTOR LEAD-INS
	2"				1-24SMFO	PRETERMINATED CABLE
17	3"			2-25TWP		VOICE/DATA DISTRIBUTION
					2-24SMFO	PRETERMINATED CABLES
18		2"			2-48SMFO	VIDEO/DATA DISTRIBUTION

RUN NO.	EXISTING CONDUIT	NEW CONDUIT	INNERDUCT	EXISTING CONDUCTOR	NEW CONDUCTOR	REMARK
19	3"			14-2C(SH)		DETECTOR LEAD-INS
	2"				2-48SMFO	VIDEO/DATA DISTRIBUTION
20	3"			18-2C(SH)		DETECTOR LEAD-INS
	2"				2-48SMFO	VIDEO/DATA DISTRIBUTION
21		3"			2-48SMFO	VIDEO/DATA DISTRIBUTION
					2-24SMFO	PRETERMINATED CABLE
22		2"			1-48SMFO	PRETERMINATED CABLE
23	2.5"			1-CCC		CAMERA CONTROL CABLE
				2-MMFO		REMOVE
					1-48SMFO	PRETERMINATED CABLE STUB
24	1.5"			1-6TWP		VOICE/DATA COMMUNICATION
					1-24SMFO	PRETERMINATED CABLE
25	2"			10-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
					1-24SMFO	PRETERMINATED CABLE
26	3"			17-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
					1-24SMFO	PRETERMINATED CABLE
	3"			2-5C		SIGNAL HEADS
				2#8		ADVANCE WARNING SIGN
	1"			2#8		ADVANCE WARNING SIGN
27	3"			23-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
					1-24SMFO	PRETERMINATED CABLE
28	3"			27-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
				2-5C		SIGNAL HEADS
					1-24SMFO	PRETERMINATED CABLE
29	3"			28-2C(SH)		DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
	3"			2-5C		SIGNAL HEADS
				3#8		ADVANCE WARNING SIGNS
					1-24SMFO	PRETERMINATED CABLE
30	2.5"			1-2MMFO		REMOVE
				1-CCC		CAMERA CONTROL CABLE
31	2"			1-2MMFO		REMOVE
32		2"			3-#14 AWG	LOOP WIRE LEAD-INS
33		2"			3-2C(SH)	DETECTOR LEAD-INS
34	2"			6-2C(SH)		DETECTOR LEAD-INS (REMOVE)
					3-2C(SH)	DEJECTOR LEAD-INS
	3"					NO CONDUCTOR
35	3"			10-2C(SH)		DETECTOR LEAD-INS (REMOVE)
					3-2C(SH)	DETECTOR LEAD-INS
36	3"			10-2C(SH)		DETECTOR LEAD-INS (REMOVE)
				4-2C(SH)		DETECTOR LEAD-INS (NB LOOPS)
					3-2C(SH)	DETECTOR LEAD-INS
37	3"			10-2C(SH)		DETECTOR LEAD-INS (REMOVE)
				4-2C(SH)		DETECTOR LEAD-INS (NB LOOPS)
					3-2C(SH)	DETECTOR LEAD-INS
				1-6TWP		VOICE/DATA
38	2"			8-2C(SH)		DETECTOR LEAD-INS
	1.5"				1-48SMFO	PRETERMINATED CABLE STUB
39	2"			2-25TWP		VOICE/DATA DISTRIBUTION
40	2"			2-25TWP		VOICE/DATA DISTRIBUTION
					1-48SMFO	PRETERMINATED CABLE
41		2"			4-2C(SH)	DETECTOR LEAD-INS
		2"				NO CONDUCTOR
42		3"			11-2C(SH)	DETECTOR LEAD-INS
43		3"			17-2C(SH)	DETECTOR LEAD-INS
		2"			4-2C	SIGNAL HEADS
44		2"			4-5C	SIGNAL HEADS

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ITS NOTES

Plot 9

PLAN REF NO ITD3

SHEET OF SHEETS

△ WIRE NOTES

RUN NO.	EXISTING CONDUIT	NEW CONDUIT	INNERDUCT	EXISTING CONDUCTOR	NEW CONDUCTOR	REMARK
45		3"			19-2C(SH)	DETECTOR LEAD-INS
		3"			4-5C	SIGNAL HEAD
46						NOT USED
47						NOT USED
48		2"			1-24SMFO	PRETERMINATED CABLE
		3"			21-2C(SH)	DETECTOR LEAD-INS
		3"			8-2C(SH)	DETECTOR LEAD-INS
		2"			4-5C	SIGNAL HEADS
					3-3C	ADVANCE WARNING SIGNS
49		2"			3*8	POWER 120V TO CABINET
50		2"			3*6	SEE ILLUMINATION PLAN FOR CONTINUATION
		2"				NO CONDUCTOR
51		2"			1-CCC	CAMERA CONTROL CABLE
52	2"			2-2C(SH)		REMOVE
53	1.5"			1-6TWP		REMOVE
54	2"			2-2C(SH)		REMOVE
				1-6TWP		REMOVE
55		3"			1-12SMFO	COMM TO 005es18236
		3"			8-2C(SH)	DETECTOR LEAD-INS
					3-3C	ADVANCE WARNING SIGNS
56		2"			1-2C(SH)	DETECTOR LEAD-INS
					2-3C	ADVANCE WARNING SIGNS
57		2"			2-2C(SH)	DETECTOR LEAD-INS
					2-3C	ADVANCE WARNING SIGNS
58		2"			2*14AWG	DETECTOR LOOP WIRE LEADS
59		2"			1-2C(SH)	DETECTOR LEAD-INS
60	1.5"			1-3C		REMOVE
					1-3C	ADVANCE WARNING SIGN
61		2"			4-2C(SH)	DETECTOR LEAD-INS
					1-3C	ADVANCE WARNING SIGN
62		2"			3-2C(SH)	DETECTOR LEAD-INS
					1-3C	ADVANCE WARNING SIGN
63	2"			1-2C(SH)		REMOVE
					1-2C(SH)	DETECTOR LEAD-INS
64	2"			2-2C(SH)		REMOVE
				1-3C		REMOVE
					2-2C(SH)	DETECTOR LEAD-INS
					1-3C	ADVANCE WARNING SIGN
65	2"			1-2C(SH)		REMOVE
				1-3C		REMOVE
					1-2C(SH)	DETECTOR LEAD-INS
					1-3C	ADVANCE WARNING SIGN
66	1.5"			1-3C		REMOVE
67		3"			1-48SMFO	PRETERMINATED CABLE
					1-CAT6	COMM TO 005ws18253
		2"			1-CCC	CAMERA CONTROL CABLE
		2"				NO CONDUCTOR
68		3"			8-2C(SH)	DETECTOR LEAD-INS
		3"			1-24SMFO	PRETERMINATED CABLE. COMM TO 005es18259
		2"				NO CONDUCTOR
69		2"			1-CAT6	COMM TO 005ws18253
70		2"			COAX	PAVEMENT SENSOR CABLES
71		2"			1-12SMFO	LATERAL TO COMMUNICATION HUB
72		3"				NO CONDUCTOR
73		2"			1-COAX	HART ANTENNA CABLE
74		2"			4-PATCHCORDS	LATERAL COMM TO HART
75		3"			1-12SMFO	COMM TO 005es18236
					1-24SMFO	PRETERMINATED CABLE. COMM TO 005es18259
76		2"			3*6	SEE ILLUMINATION PLAN FOR CONTINUATION
		2"			3*8	POWER 120V TO 005ws18253

RUN NO.	EXISTING CONDUIT	NEW CONDUIT	INNERDUCT	EXISTING CONDUCTOR	NEW CONDUCTOR	REMARK
77		3"			4-2C(SH)	DETECTOR LEAD-INS
					1-3C	ADVANCE WARNING SIGN
		3"			1-12SMFO	COMM TO 005es18236
78		3"			1-12SMFO	COMM TO 005es18236
		3"			1-3C	ADVANCE WARNING SIGN
79		2"			1-COAX	WEATHER STATION SENSOR CABLE
80	4"		A	1-48SMFO		SR 525 MAINLINE COMMUNICATION
			B,C,D			NO CONDUCTOR
81	4"		A	1-48SMFO		SR 405 MAINLINE COMMUNICATION
			B	1-36SMFO		SR 405 VIDEO/DATA DISTRIBUTION
			C,D			NO CONDUCTOR
	4"		A,B,C,D			NO CONDUCTOR
82	4"		A	1-48SMFO		PULL BACK TO CABLE VAULT
			B	1-36SMFO		PULL BACK TO CABLE VAULT
			C		1-96SMFO	PRETERMINATED CABLE STUB
			D		1-96SMFO	PRETERMINATED CABLE STUB
	4"		A	1-48SMFO		PULL BACK TO CABLE VAULT
			B,C,D			NO CONDUCTOR
	4"		A,B,C,D			NO CONDUCTOR
83	4"		A	1-48SMFO		MAINLINE, PULL BACK TO CABLE VAULT
			B		1-96SMFO	PRETERMINATED CABLE
			C		1-96SMFO	PRETERMINATED CABLE
			D			NO CONDUCTOR
	4"		A	1-60SMFO		MAINLINE, PULL BACK TO CABLE VAULT
			B	1-12MMFO		REMOVE SOUTHBOUND DISTRIBUTION
				1-12MMFO		NORTHBOUND DISTRIBUTION
			C	2-25TWP		VOICE/DATA DISTRIBUTION
			D			NO CONDUCTOR
84	2"			1-COAX		REMOVE
				1-6TWP		LATERAL COMM TO 005vc18259
85	2"			1-2MMFO		VIDEO COMM
				1-6TWP		VOICE/DATA COMM
					1-3C	ADVANCE WARNING SIGN
86	2"			1-2MMFO		VIDEO COMM
					1-3C	ADVANCE WARNING SIGN
87	2"			1-2MMFO		VIDEO COMM
				2-CCC		REMOVE EX. CCTV CABLES
					1-CCC	CAMERA CONTROL CABLE
88	2"			2-CCC		REMOVE EX. CCTV CABLES
					1-CCC	CAMERA CONTROL CABLE
89		2"			1-3C	ADVANCE WARNING SIGN
90	2"			1-2MMFO		VIDEO COMM
				2-6TWP		REMOVE
91	1.5"			3*6		POWER TO COMMUNICATION HUB
92	4"		A	1-60SMFO		EX. MAINLINE COMMUNICATION
			B	1-25TWP		VOICE/DATA COMMUNICATION
			C	1-12MMFO		VIDEO/DATA DISTRIBUTION
			D			NO CONDUCTOR
	4"		A,B,C,D			NO CONDUCTOR
93	2"			POWER		SEE ELECTRICAL PLAN
					3*8	POWER TO 005es18259
94		2"			1-24SMFO	LATERAL COMM HUB
95		2"			3*8	POWER TO 005es18259
		2"				NO CONDUCTOR

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DESIGNED BY	P. TRAN				CONTRACT NO	LOCATION NO.
ENTERED BY	H. MOSTAGHIMI					
CHECKED BY	G. LEEGE					
PROJ. ENGR.	S. SHALKLAWUN					
REGIONAL ADM.	L. ENG	REVISION	DATE	BY		

FED.AID PROJ.NO.

MICHAEL LEE PORRAS — STATE OF WASHINGTON — 22772 — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

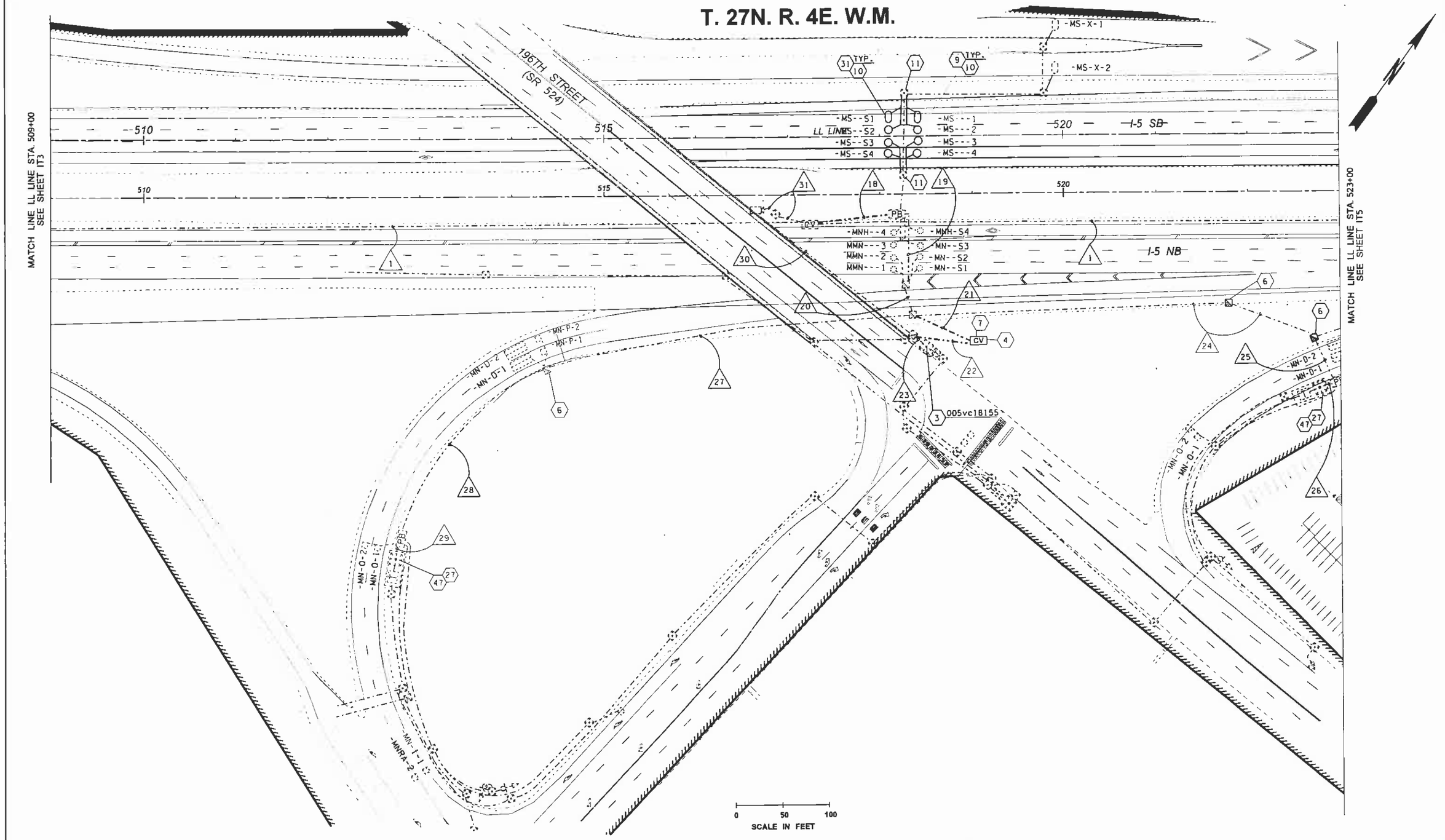
ITS NOTES

Plot 10

PLAN REF NO
ITD4

SHEET OF SHEETS

T. 27N. R. 4E. W.M.



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CHECKED BY	G. LEEGE				CONTRACT NO.		LOCATION NO.
PROJ. ENGR.	S. SHALKLAWUN						
REGIONAL ADM.	L. ENG	REVISION	DATE	BY			

MICHAEL LEE FORBIS — STATE OF WASHINGTON — 32135 — REGISTERED PROFESSIONAL ENGINEER

DATE
P.E. STAMP BOX

DATE
P.E. STAMP BOX

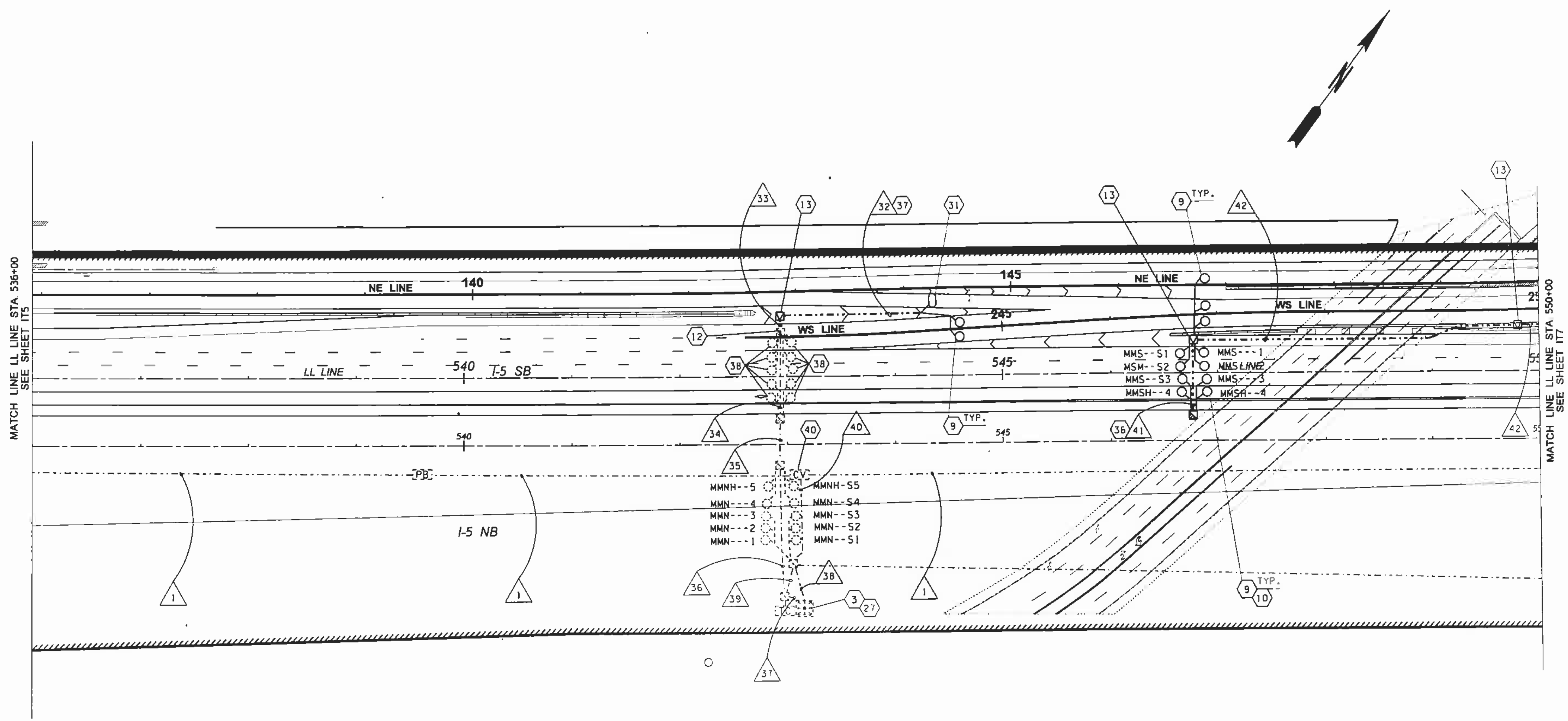
Washington State
Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

ITS PLAN

Plot 1
IT4
SHEET OF SHEETS

T. 27N. R. 4E. W.M.



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ENTERED BY	H. MOSTAGHIMI
CHECKED BY	G. LEEGE
PROJ. ENGR.	S. SHALKLAWUN
REGIONAL ADM.	L. ENG

REVISION | DATE | BY

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

JOB NUMBER

CONTRACT NO | LOCATION NO.

MICHAEL LEE TORRIS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

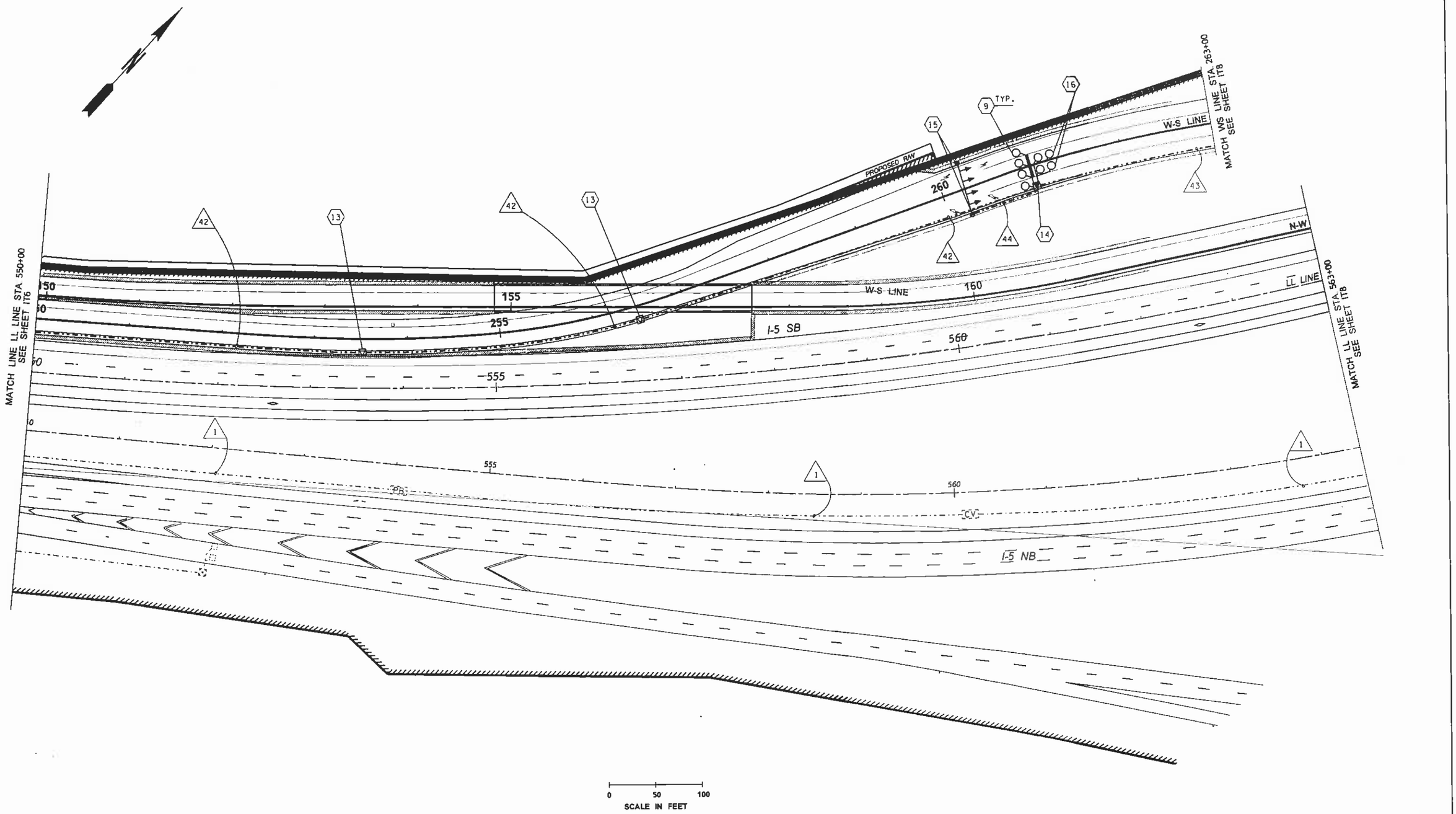
Washington State
Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

ITS PLAN

Plot 3
IT6
SHEET OF SHEETS

T. 27N. R. 4E. W.M.



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ENTERED BY	H. MOSTAGHIMI						
CHECKED BY	G. LEEGE						
PROJ. ENGR.	S. SHALKLAWUN						
REGIONAL ADM.	L. ENG	REVISION	DATE	BY			

REGION NO.	STATE
10	WASH

JOB NUMBER

CONTRACT NO

FED.AID PROJ.NO.

LOCATION NO.

MICHAEL LEE FERRIS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

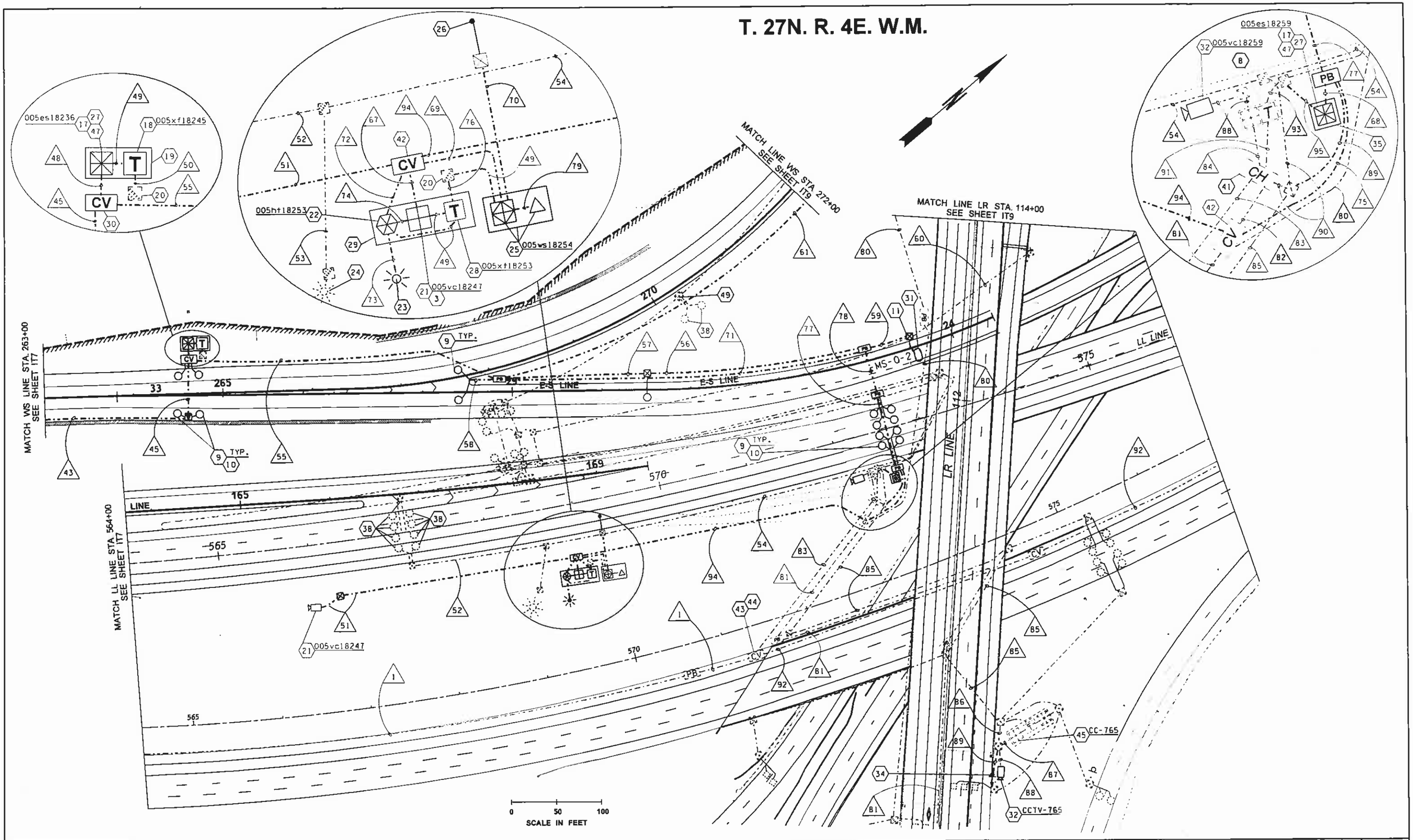
ITS PLAN

Plot 4

IT7

SHEET OF SHEETS

T. 27N. R. 4E. W.M.



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DESIGNED BY	P. TRAN				CONTRACT NO.	LOCATION NO.	
ENTERED BY	H. MOSTAGHIMI						
CHECKED BY	G. LEEGE						
PROJ. ENGR.	S. SHALKLAWUN						
REGIONAL ADM.	L. ENG	REVISION	DATE	BY			

MICHAEL LEE FORBES — STATE OF WASHINGTON — 13131 — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX — DATE

SCALE IN FEET 0 50 100

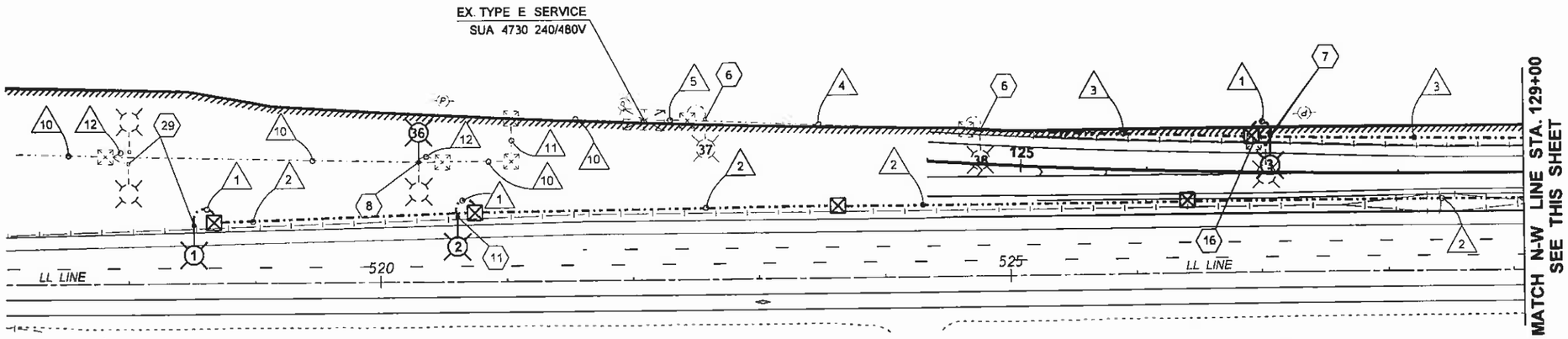
P.E. STAMP BOX — DATE

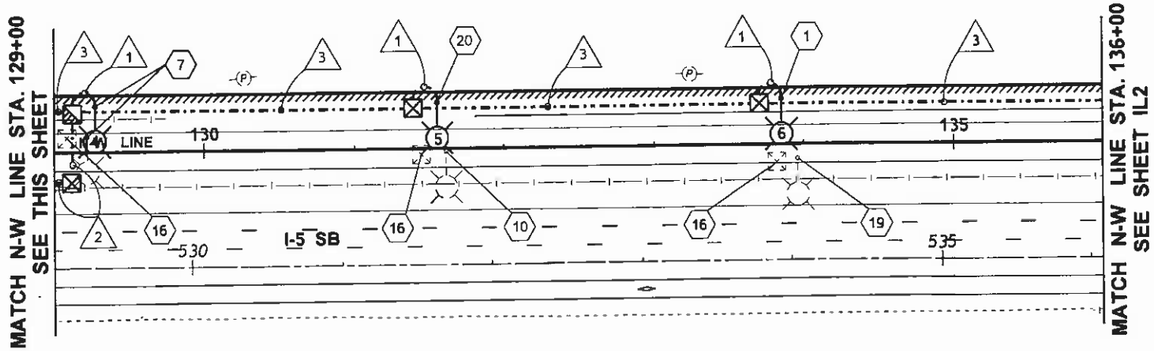
Washington State Department of Transportation

SR 5
196TH ST (SR524) INTERCHANGE
SB BRAIDED RAMP

ITS PLAN

Plot 5
IT8
SHEET OF SHEETS





WIRING SCHEDULE — EX. SERVICE NO. SUA 4730

NO.	CONDUIT SIZE	CONDUCTORS EXISTING	CONDUCTORS NEW	CIRCUIT	COMMENTS
1	1"		2-#8	C	
2	2"		2-#8	C	
3	2"		2-#6,2-#4	B,C	
4	EX 1½"		2-#6,2-#4	B,C	
5	EX 1½"		2-#6,2-#4	B,C	
	EX 2"				SPARE
10	EX 1½"	2-#6		A	
11	EX 2"	2-#6		A	
	EX 2"				SPARE
12	EX 1"		2-#8	A	
13	NOT USE				
14	NOT USE				
15	NOT USE				

LEGEND

EXISTING	NEW	
		TYPE 1 L JUNCTION BOX
		TYPE 2 L JUNCTION BOX
		TYPE 4 JUNCTION BOX (TRAFFIC BEARING)
		NEMA JUNCTION BOX
		TUNNEL LIGHTING CONTROL CABINET
		ELECTRICAL SERVICE CABINET
		CONDUIT
		LUMINAIRE STANDARD

EXISTING	NEW	
		DOUBLE LUMINAIRE STANDARD
		4 LIGHTS HIGH MAST LUMINAIRE STANDARD

LUMINAIRE SCHEDULE — EX SERVICE NO. SUA 4730

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	FDT DEPTH	COMMENTS
1	C	LL 518+52	45.6 LT	EX 400W	EX 12	EX 40	FIXED	4.5	EX POLE
2	C	LL 520+61	50.8 LT	EX 400W	EX 12	EX 40	FIXED	4.5	EX POLE
3	C	N-W 127+00	30.6 LT	EX 400W	EX 12	EX 40	FIXED	8.0	EX POLE
4	C	N-W 129+27	30.2 LT	EX 400W	EX 12	EX 40	FIXED	8.0	EX POLE
5	C	N-W 131+55	30.2 LT	EX 400W	EX 12	EX 40	SLIP	8.0	EX POLE
6	C	N-W 133+86	30.2 LT	III - MED CUT OFF - 400 HPS	12	50	SLIP	4.5	
36	C	LL 520+30	94.1 LT	III - MED CUT OFF - 400 HPS	14	40	EX	EX	
37	C	LL 522+58	125.5 LT	EX 400W	EX 8	EX 40	EX	EX	
38	C	LL 524+77	114.0 LT	EX 400W	EX 8	EX 40	EX	EX	

FDT = FOUNDATION

SEE STANDARD PLAN J-28.30-00 FOR FOUNDATION TYPE.

SEE STANDARD PLAN J-28.22-00 TO J-28.26-01 FOR LUMINAIRE STANDARD PLACEMENT.

NOTE:

FOR BREAKER SCHEDULE, LUMINAIRE SCHEDULE, AND CONSTRUCTION NOTES SEE SHEET IL6

0 50 100

SCALE IN FEET

FILE NAME	T:\414124\ELECTRICAL\Projects\I-5\XL2628_196th ST\2628_ILSH.dgn
TIME	10:46:10 AM
DATE	11/9/2009
PLOTTED BY	kovs
DESIGNED BY	S. KOV
ENTERED BY	H. TRINH
CHECKED BY	A. MOSTOWFY
PROJ. ENGR.	D. DO
REGIONAL ADM.	L. ENG

REVISION | DATE | BY

REGION NO. 10 | STATE WASH

JOB NUMBER 09A030

CONTRACT NO.

FED.AID PROJ.NO.

LOCATION NO.

DUKE HUU DO — STATE OF WASHINGTON — 31740 — REGISTERED PROFESSIONAL ENGINEER

P.E. STAMP BOX DATE

P.E. STAMP BOX DATE

Washington State Department of Transportation

I-5
196TH ST (SR 524) INTERCHANGE
SB BRAIDED RAMP

ILLUMINATION PLAN

Plot 1

PLAN REF NO IL1

SHEET OF SHEETS

CONSTRUCTION NOTES:

1. CONSTRUCT FOUNDATION AND INSTALL LUMINAIRE STANDARD. SEE LUMINAIRE SCHEDULE.
2. INSTALL LUMINAIRE STANDARD ON RETAINING WALL BY USING ELBOW MOUNTING. SEE STANDARD PLAN J-28.45-00 AND LUMINAIRE SCHEDULE.
3. INSTALL TYPE 4 HEAVY DUTY JUNCTION BOX.
4. CONSTRUCT FOUNDATION IN ACCORDANCE WITH DETAIL SHEETS ED1 AND ED2 AND RELOCATE HIGH MAST LUMINAIRE STANDARD. SEE LUMINAIRE SCHEDULE.
5. CONSTRUCT FOUNDATION AND INSTALL 4 LIGHTS HIGH MAST LUMINAIRE STANDARD. SEE LUMINAIRE SCHEDULE SHEET IL5 AND BRIDGE SHEET BS21 FOR FOUNDATION DETAILS.
6. RENUMBERING LUMINAIRE STANDARD.
7. CONSTRUCT FOUNDATION AND RELOCATE EXISTING LUMINAIRE STANDARD.
8. REPLACE EXISTING LUMINAIRE STANDARD PER LUMINAIRE SCHEDULE. RELOCATE EXISTING DOUBLE MAST ARM LUMINAIRE STANDARD. SEE LUMINAIRES #7 AND #8 FOR NEW LOCATION.
9. CONSTRUCT FOUNDATION AND INSTALL RELOCATED LUMINAIRES. SEE CONSTRUCTION NOTE 8.
10. RELOCATE EXISTING LUMINAIRE STANDARD. SEE LUMINAIRE #2 FOR NEW LOCATION.
11. CONSTRUCT FOUNDATION AND INSTALL RELOCATED LUMINAIRE. SEE CONSTRUCTION NOTE 10.
12. REMOVE EXISTING JUNCTION BOX. CONNECT NEW CONDUIT TO EXISTING CONDUIT AND EXTEND TO NEW JUNCTION BOX.
13. SPLICE NEW CONDUCTORS TO APPROPRIATE EXISTING CIRCUIT CONDUCTORS.
14. CONSTRUCT CONCRETE BARRIER LIGHT STANDARD FOUNDATION PER STANDARD PLAN C-8b. INSTALL DOUBLE MAST ARM LUMINAIRE STANDARD. SEE LUMINAIRE SCHEDULE.
15. INTERCEPT CONDUIT, CONNECT NEW CONDUIT TO EXISTING AND ROUTE AS SHOWN. MAINTAIN ALL BONDING AND GROUNDING.
16. REMOVE JUNCTION BOX AND ABANDON CONDUIT. BACKFILL.
17. REMOVE LIGHT STANDARD AND FOUNDATION. BACKFILL.
18. REMOVE TYPE E SERVICE CABINET , FOUNDATION AND CONDUIT ELBOW. BACKFILL. COORDINATE POWER DISCONNECT AND METER REMOVAL WITH THE UTILITY COMPANY THROUGH THE ENGINEER.
19. RELOCATE EXISTING LUMINAIRE STANDARD. SEE LUMINAIRE #5 FOR NEW LOCATION.
20. CONSTRUCT FOUNDATION AND INSTALL RELOCATED LUMINAIRE. SEE CONSTRUCTION NOTE 19.
21. SHARE DIRECTIONAL BORING WITH ITS CONDUIT INSTALLATION.
22. CONSTRUCT FOUNDATION AND INSTALL TYPE E SERVICE CABINET PER DETAIL SHEET ED3. THE FACE OF OF THE CABINET SHALL FACE SOUTH. SEAL CABINET TO THE FOUNDATION WITH A ½" BEAD OF SILICONE. COORDINATE POWER CONNECTION WITH THE UTILITY COMPANY THROUGH THE ENGINEER.
23. CONSTRUCT FOUNDATION AND INSTALL DOUBLE MAST ARM LUMINAIRE. SEE LUMINAIRE SCHEDULE.
24. REMOVE HIGH MAST LUMINAIRE STANDARD AND FOUNDATION. BACKFILL.
25. ROUTE CONDUIT AND CONDUCTORS INTO UTILITY COMPANY PEDESTAL. COORDINATE POWER CONNECTION WITH THE UTILITY COMPANY THROUGH THE ENGINEER.
26. REMOVE UNUSED CONDUIT ELBOWS.
27. INSTALL PHOTO LIGHTING CONTROL CABINET AND ASSOCIATED EQUIPMENT ON THE SAME FOUNDATION AS SERVICE CABINET. INSTALL THE CABINET BY USING UNISTRUT. SEE DETAIL SHEET ED2.
28. INSTALL TRAFFIC BARRIER MOUNTED JUNCTION BOX. SEE STANDARD PLAN J-16a
29. CONSTRUCT FOUNDATION AND RELOCATE EXISTING LUMINAIRE STANDARD. CUT THE EXISTING ANCHOR BOLT TO FLUSH WITH THE TOP OF THE FOUNDATION.
30. SEE SIGNING PLAN AND DETAIL SHEET ED7 FOR CONTINUATION OF CIRCUIT POWER.
31. UNSPLICE CANTILEVER SIGN CIRCUIT WIRES AND REMOVE THESE WIRES FROM THIS JUNCTION BOX TO THE ISOLATION SWITCH BOX LOCATED ON SIGN STRUCTURE.
32. INTERCEPT EXISTING CONDUIT AND INSTALL TYPE 2 JUNCTION BOX.
33. INSTALL TUNNEL LIGHTING SENSOR ON LUMINAIRE STANDARD.
34. SEE SHEET IL6 FOR CONTINUATION OF CIRCUIT POWER.

LUMINAIRE SCHEDULE — SERVICE NO. SUA 2299

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	FDT DEPTH	COMMENTS
31 A	B	LL 568+43	51.0 RT	III - MED CUT OFF - 400 HPS	2.5	80	FIXED	8.0	SEE DETAIL SHEET ED2 FOR FDT INSTALLATION
31 B	C			III - MED CUT OFF - 400 HPS	2.5				
31 C	D			III - MED CUT OFF - 400 HPS	2.5				
31 D	1			III - MED CUT OFF - 400 HPS	2.5				

LUMINAIRE SCHEDULE — SERVICE NO. SUA 4053

LUMINAIRE NUMBER	CIRCUIT	LOCATION STATION	LOCATION OFFSET	TYPE - DISTRIBUTION - WATTAGE	MAST ARM	H1	BASE TYPE	FDT DEPTH	COMMENTS
21	A	W-S 258+23	23.0 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	N/A	ELBOW MOUNT
22	A	N-W 157+85	26.3 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	4.5	
23	A	W-S 260+19	30.0 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	N/A	ELBOW MOUNT
24	A	N-W 159+90	10.6 RT	III - MED CUT OFF - 400 HPS	12	50	FIXED	4.5	
25	A	W-S 261+95	33.5 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	N/A	ELBOW MOUNT
26	A	N-W 161+44	7.3 RT	III - MED CUT OFF - 400 HPS	12	50	SLIP	4.5	
27	A	N-W 163+47	7.1 RT	III - MED CUT OFF - 400 HPS	12	50	SLIP	4.5	
28	A	W-S 264+00	27.5 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	N/A	ELBOW MOUNT
29	A	N-W 166+00	32.0 LT	III - MED CUT OFF - 400 HPS	12	50	FIXED	4.5	
30	A	W-S 265+98	34.4 RT	III - MED CUT OFF - 400 HPS	12	40	FIXED	N/A	ELBOW MOUNT
32 A	B	WS 268+60	21.0 RT	III - MED CUT OFF - 400 HPS	2.5	80	FIXED	8.0	SEE DETAIL SHEET ED2 FOR FDT INSTALLATION
32 B	C			III - MED CUT OFF - 400 HPS	2.5				
32 C	B			III - MED CUT OFF - 400 HPS	2.5				
32 D	C			III - MED CUT OFF - 400 HPS	2.5				
33	B	W-S 270+61	45.0 LT	III - MED CUT OFF - 400 HPS	16	40	SLIP	4.5	
34 A	B	W-S 275+86	68.7 LT	III - MED CUT OFF - 400 HPS	2.5	80	FIXED	8.0	SEE DETAIL SHEET ED2 FOR FDT INSTALLATION
34 B	C			III - MED CUT OFF - 400 HPS	2.5				
34 C	B			III - MED CUT OFF - 400 HPS	2.5				
34 D	C			III - MED CUT OFF - 400 HPS	2.5				
35 A	B	W-S 272+98	71.4 RT	EX 400W	EX 2.5	EX 80	FIXED	8.0	EXISTING LUMINAIRE
35 B	C			EX 400W	EX 2.5				
35 C	B			EX 400W	EX 2.5				
35 D	C			EX 400W	EX 2.5				

FDT = FOUNDATION
SEE STANDARD PLAN J-28.30-00 FOR FOUNDATION TYPE.
SEE STANDARD PLAN J-28.22-00 TO J-28.26-01 FOR LUMINAIRE STANDARD PLACEMENT.

BREAKER SCHEDULE TYPE E SERVICE — SUA 4053 240/480V

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
---	MAIN	200 AMP	---	---	---
A	ILLUMINATION A	30 AMP	30 AMP	480	5.28
B	ILLUMINATION B	30 AMP	30 AMP	480	3.70
C	ILLUMINATION C	30 AMP	30 AMP	480	3.17
D	ITS TRANSFORMER #1	20 AMP	N/A	480	5.00
E	ITS TRANSFORMER #2	100 AMP	N/A	480	37.50
F	ITS TRANSFORMER #3	40 AMP	N/A	480	12.50
G	ITS TRANSFORMER #4	20 AMP	N/A	480	5.00
H	SPARE	20 AMP	30 AMP	480	0.00
I	INTERNAL TRANSFORMER	20 AMP	N/A	480	---
II	TRANSFORMER SECONDARY	35 AMP	N/A	120	---
I-1	GFCI	20 AMP	N/A	120	1.8
I-2	HEAT STRIP	15 AMP	N/A	120	0.10
I-3	PHOTOCELL	15 AMP	N/A	120	0.001
BUSSWORK SHALL BE RATED AT 250 AMP MINIMUM			PEAK		74.05
			CONTINUOUS		72.25

BREAKER SCHEDULE EX TYPE E SERVICE — SUA 4730 240/480V

CIRCUIT	DESCRIPTION	BREAKER RATING	CONTACTOR RATING	VOLTAGE	LOAD (KVA)
—	MAIN	EX 100 AMP	—	—	—
A	ILLUMINATION A	EX 25 AMP	EX 30 AMP	240	EX 16.0
B	ILLUMINATION B	EX 20 AMP	EX 30 AMP	240	5.2
C	ILLUMINATION C	30 AMP	30 AMP	240	7.9
D	ILLUMINATION D	X	X	240	X
E	ILLUMINATION E	X	X	240	X
F	SPARE	20 AMP	N/A	240	0.0
G	SPARE	20 AMP	N/A	240	0.0
H	SIGNAL	X	N/A	120	X
I	GFCI	EX 20 AMP	N/A	120	1.8
J	HEAT STRIP	EX 15 AMP	N/A	120	0.1
K	PHOTOCELL	EX 15 AMP	N/A	120	0.001
			PEAK		34.33
			CONTINUOUS		32.53

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TIME	10:46:34 AM
DATE	11/9/2009
PLOTTED BY	kovs
DESIGNED BY	S. KOV
ENTERED BY	H. TRINH
CHECKED BY	A. MOSTOWFY
PROJ. ENGR.	D. DO
REGIONAL ADM.	L. ENG

REVISION | DATE | BY

REGION NO. 10 | STATE WASH | JOB NUMBER 09A030 | CONTRACT NO. | FED.AID PROJ.NO. | LOCATION NO.

DUKE HUU DO — STATE OF WASHINGTON — 32740 — REGISTERED PROFESSIONAL ENGINEER — DATE — P.E. STAMP BOX

DATE — P.E. STAMP BOX

Washington State Department of Transportation

I-5
196TH ST (SR 524) INTERCHANGE
SB BRAIDED RAMP

ILLUMINATION PLAN

Plot 6 | PLAN REF NO. IL6 | SHEET OF SHEETS