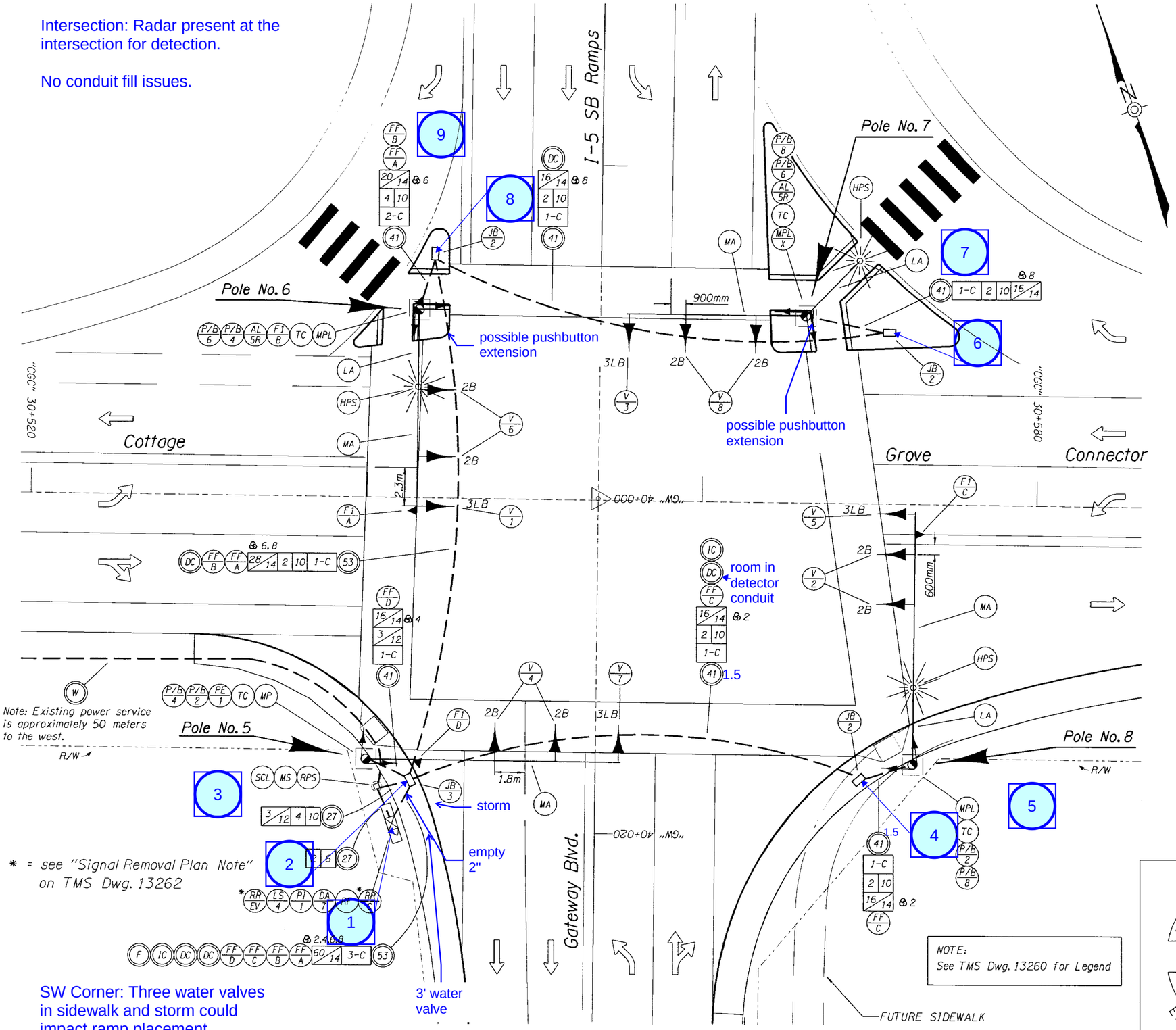
13263

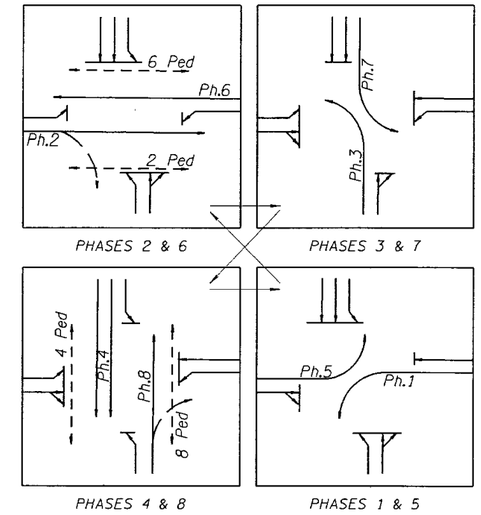
Intersection: Radar present at the intersection for detection.

No conduit fill issues.



SW Corner: Three water valves in sidewalk and storm could impact ramp placement. Controller and pole close to back of sidewalk.

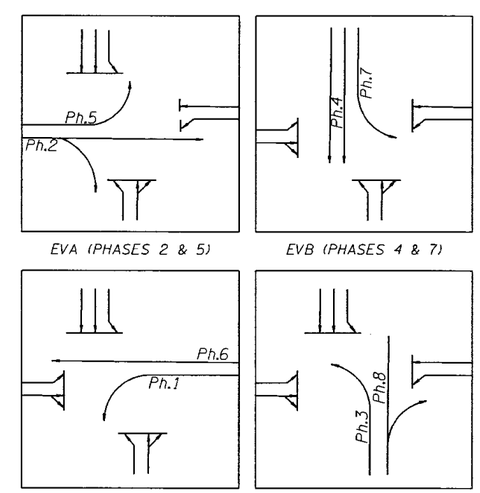
SIGNAL PLAN
COTTAGE GROVE CONNECTOR AT I-5 SB RAMPS
I-5



PHASES 2 & 6 — PHASES 3 & 7

PHASES 4 & 8 — PHASES 1 & 5

NORMAL PHASE ROTATION



EVA (PHASES 2 & 5) — EVB (PHASES 4 & 7)

EVC (PHASES 1 & 6) — EVD (PHASES 3 & 8)

FIRE PREEMPTION OPERATION

REGISTERED PROFESSIONAL ENGINEER 50,122 OREGON JULY 11, 2000 SCOTT B. CRAMER Expires Dec. 31, 2003

OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC MANAGEMENT SECTION

TRAFFIC SIGNAL INSTALLATION
I-5 AT COTTAGE GROVE INTCHGE.SEC
PACIFIC HIGHWAY
LANE COUNTY

DATE 25-Nov-2003
DESIGNED BY: D. Harper
CHECKED BY: T. Jenkins
DRAWN BY: D. Harper

FC: 001-174.75

T.M.S. DWG. NO. 13263

hwym70b 26-Nov-2003 12:00 072041tr.sg1 VIEW=M

16291

SIGNAL PLAN
COTTAGE GROVE CONNECTOR AT I-5 SB RAMPS
I-5

L E G E N D

(RX/V) Remove existing vehicle signal

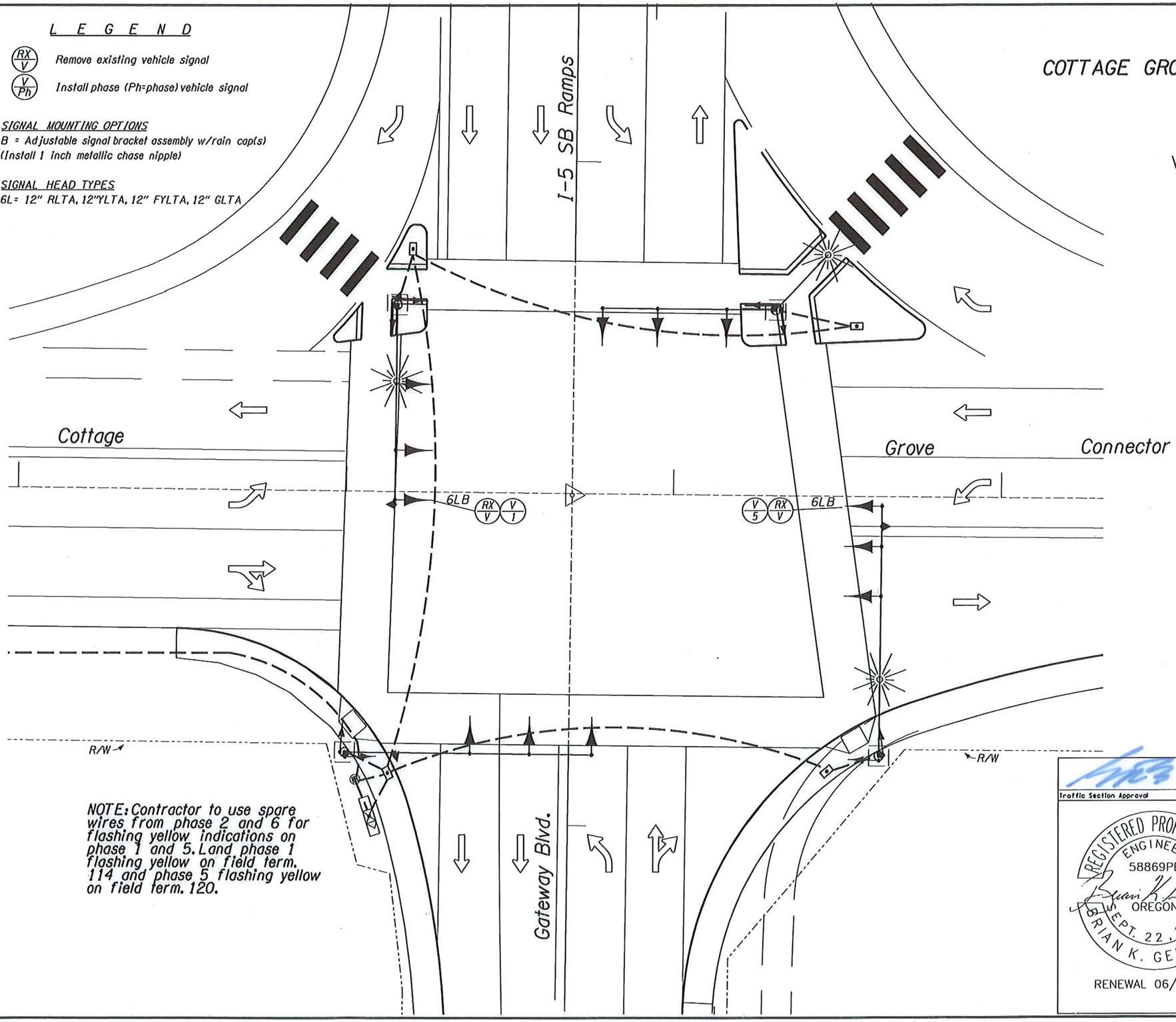
(V/Ph) Install phase (Ph=phase) vehicle signal

SIGNAL MOUNTING OPTIONS

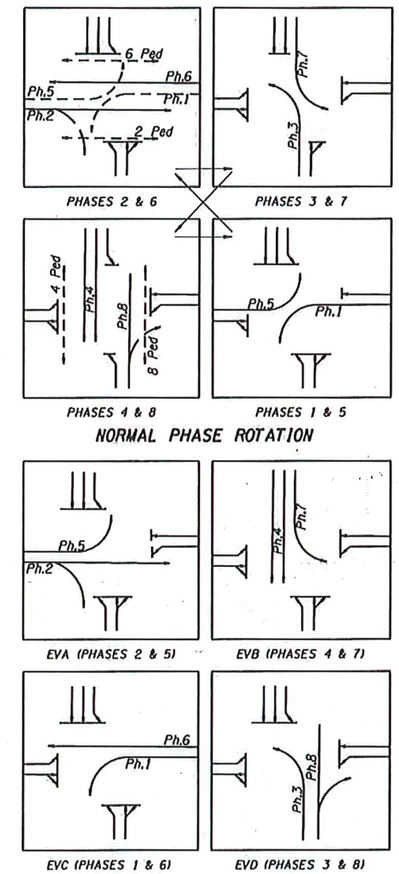
B = Adjustable signal bracket assembly w/rain cap(s)
(Install 1 inch metallic chase nipple)

SIGNAL HEAD TYPES

6L= 12" RLTA, 12"YLTA, 12" FYLTA, 12" GLTA



NOTE: Contractor to use spare wires from phase 2 and 6 for flashing yellow indications on phase 1 and 5. Land phase 1 flashing yellow on field term. 114 and phase 5 flashing yellow on field term. 120.



Traffic Section Approval

REGISTERED PROFESSIONAL ENGINEER 58869PE OREGON SEPT. 22, 1998 BRIAN K. GENOVESE

RENEWAL 06/30/13

JRH TRANSPORTATION ENGINEERING

4765 VILLAGE PLAZA LOOP SUITE 201
EUGENE, OREGON 97401
VOICE 541 687.1081 FAX 541 345.6599

TRAFFIC SIGNAL MODIFICATION
I-5 AT COTTAGE GROVE INTCHGE.SEC
PACIFIC HIGHWAY
LANE COUNTY

DESIGNED BY: BCJ
REVIEWED BY: BKG
DRAWN BY: BCJ
FC:001 MP:174.75

ACCOMPANIED BY DWGS. TM460, TM462, and T.R.S. Dwg 00000

SIGNAL PLAN

ISSU NO. 05035 T.R.S. DWG. NO. 16291

G:\Current Projects\2253 Cottage Grove Jack-in-the-Box (Bret Fox)\600 - Design\600.1 Received\07204trbcj.sgl :: Default 7/7/2011 10:47:40 AM BretJ

1:1200.BL - 001

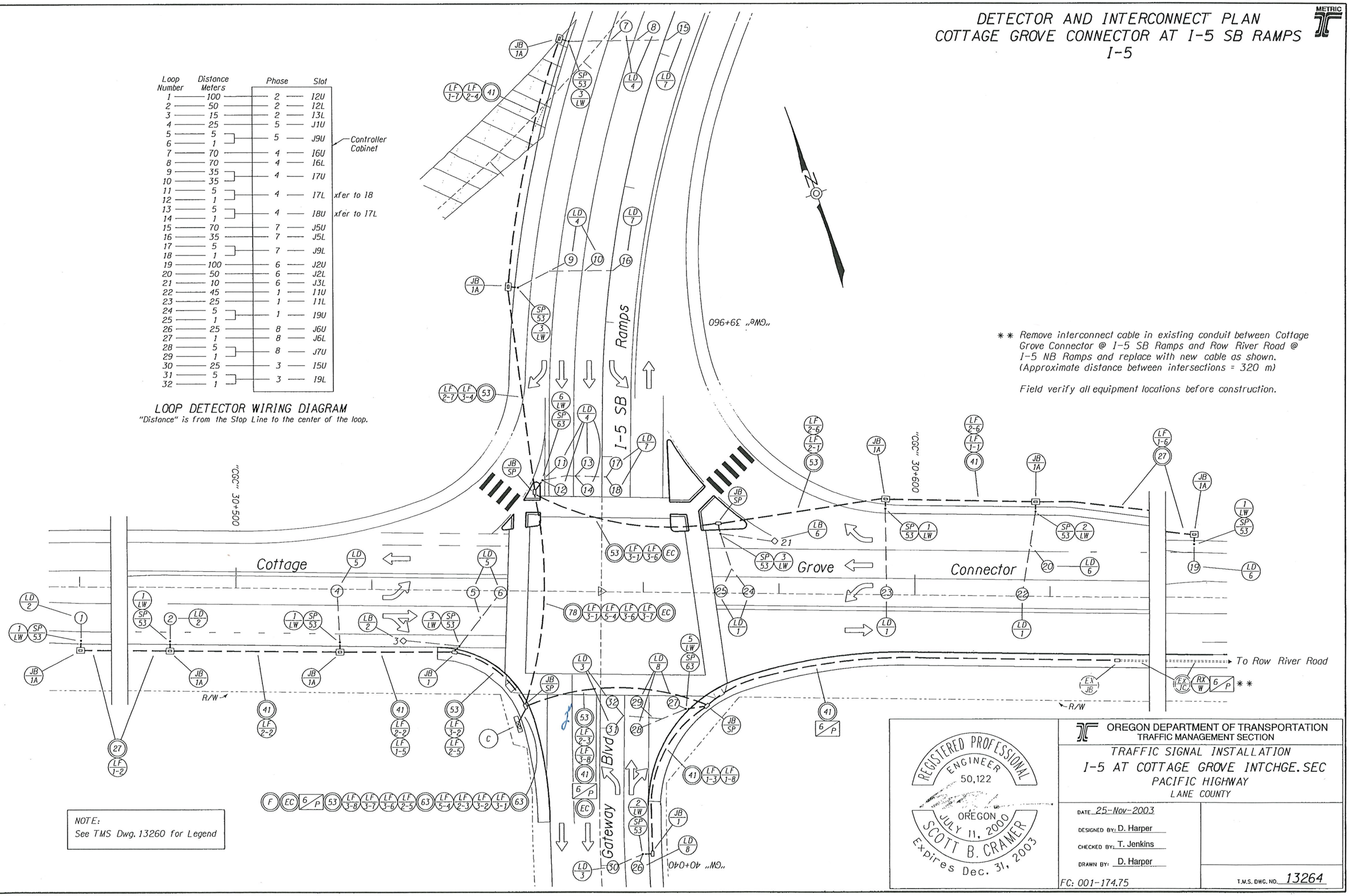
13264

DETECTOR AND INTERCONNECT PLAN
COTTAGE GROVE CONNECTOR AT I-5 SB RAMPS
I-5

METRIC

Loop Number	Distance Meters	Phase	Slot	
1	100	2	12U	
2	50	2	12L	
3	15	2	13L	
4	25	5	J1U	
5	5	5	J9U	Controller Cabinet
6	1			
7	70	4	16U	
8	70	4	16L	
9	35	4	17U	
10	35			
11	5	4	17L	xfer to 18
12	1			
13	5	4	18U	xfer to 17L
14	1			
15	70	7	J5U	
16	35	7	J5L	
17	5	7	J9L	
18	1			
19	100	6	J2U	
20	50	6	J2L	
21	10	6	J3L	
22	45	1	11U	
23	25	1	11L	
24	5	1	19U	
25	1			
26	25	8	J6U	
27	1	8	J6L	
28	5	8	J7U	
29	1			
30	25	3	15U	
31	5	3	19L	
32	1			

LOOP DETECTOR WIRING DIAGRAM
"Distance" is from the Stop Line to the center of the loop.



** Remove interconnect cable in existing conduit between Cottage Grove Connector @ I-5 SB Ramps and Row River Road @ I-5 NB Ramps and replace with new cable as shown. (Approximate distance between intersections = 320 m)

Field verify all equipment locations before construction.

NOTE:
See TMS Dwg. 13260 for Legend

REGISTERED PROFESSIONAL ENGINEER 50,122 OREGON JULY 11, 2000 SCOTT B. CRAMER Expires Dec. 31, 2003

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hwym70b 26-Nov-2003 12:00 072041r.sgl

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