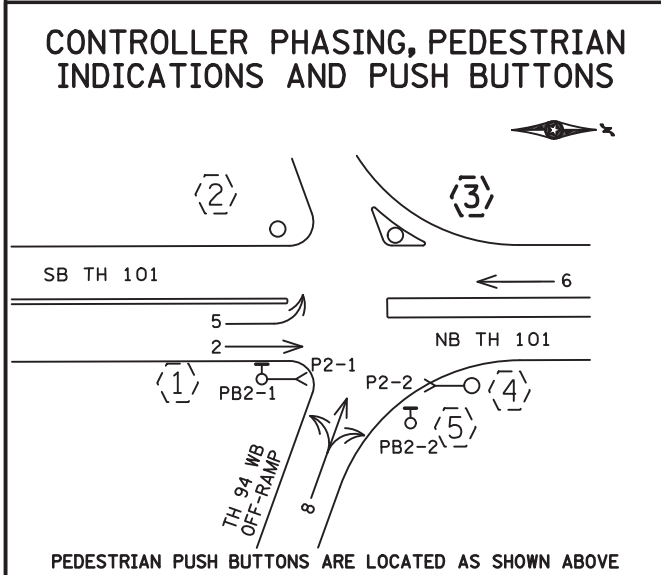
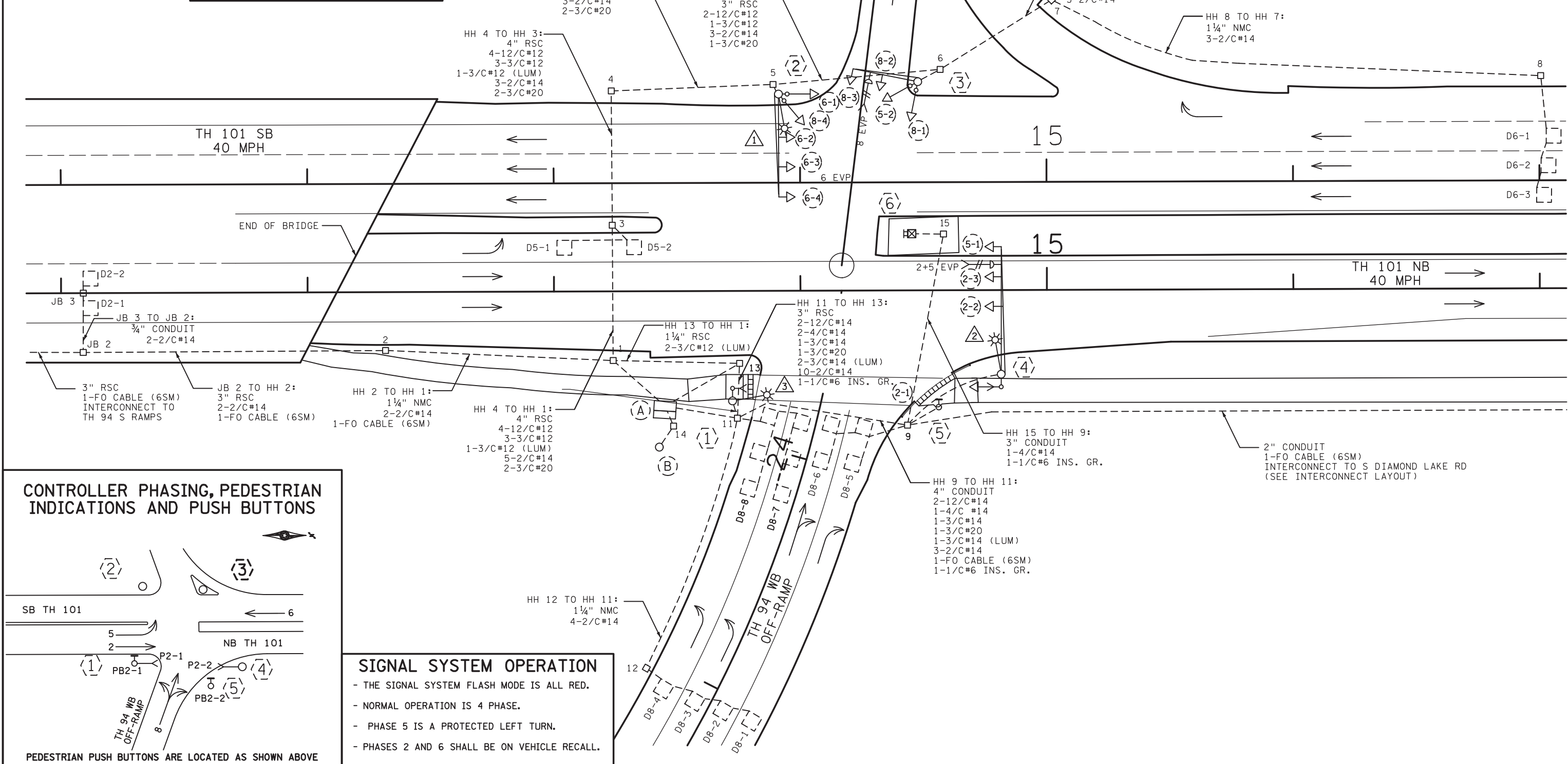
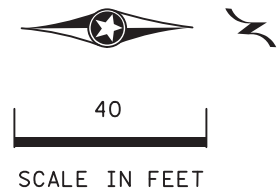


PLOTTED/REVISED: 8-JUL-2019

I PLOT NAME: Layout
PATH & FILENAME: Projects\DM_ROS\09A00007Traffic\Signals\22002 TH 101 N Ramp\T22002A2_sgl.dgn

SIGNAL HEAD CHART				LOOP DETECTOR CHART			
FACE	R	Y	G	NUMBER	SIZE (FT)	LOCATION	NOTES
2-1, 2-2, 2-3	●	●	●	D2-1, D2-2	6x6	IN-PLACE	SAW CUT
5-1, 5-2	←	←	←	D5-1	6x6	IN-PLACE	
6-1, 6-2, 6-3, 6-4	●	●	●	D5-2	6x6	IN-PLACE	
8-1, 8-2, 8-3, 8-4	●	●	●	D6-1, D6-2, D6-3	6x6	IN-PLACE	
-ALL SIGNAL INDICATIONS ARE 12" LED -ALL SIGNAL HEADS ARE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS				D8-1, D8-2	6x6	IN-PLACE	
				D8-3, D8-4	6x6	IN-PLACE	
				D8-5, D8-6	2-6x6	IN-PLACE	
				D8-7, D8-8	2-6x6	35	
				-ALL LOOP DETECTORS SHALL BE PVC UNLESS NOTED OTHERWISE -LOCATION: DISTANCE FROM CROSSWALK/STOP BAR IN FEET			



SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE.
- PHASE 5 IS A PROTECTED LEFT TURN.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

BY	DATE	REVISIONS	SYSTEM ID: 1736021	T.E. 6313	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	JUL 8 19	SP 2738-30 RED-LINES	METER ADDRESS: 12800 T.H. 100		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			OLD SYSTEM ID: 22002		STATE PROJ. NO. T.H.		SHEET NO. 1 OF 4 SHEETS	

(2) PA100 POLE FOUNDATION
 TYPE PA100-A-40-D40-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' & 23'
 2-POLE-MOUNTED ONE-WAY SIGNALS (TYPE 10A) AT 0 DEG AND 270 DEG
 ONE-WAY EVP DETECTOR AND CONFIRMATION LIGHT (PHASE 6)
 LUMINAIRE-200W HPS
 1-TYPE D SIGN
 2-R9-3a SIGNS (NO PED)
 1-R6-1(L) SIGN (ONE-WAY)
 EXTEND INTO HH 5:
 3" RSC
 2-12/C#12
 2-3/C#12
 1-3/C#12 (LUM)
 1-3/C#20

(1) PA85 POLE FOUNDATION
 TYPE PA85-A-0-D40-9
 1-APS PUSH BUTTON AND SIGN (LT ARROW)
 1-R9-3a SIGN (NO PED)
 1-CD PED HEAD MOUNTED AT 270 DEG
 1-LED LUMINAIRE
 EXTEND INTO HH 11:
 3" CONDUIT
 1-2/C#14
 1-3/C#14 (LUM)
 1-4/C#14
 1-1/C#6 INS. GR.

(3) PA85 POLE FOUNDATION
 TYPE PA85-A-25 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 1-STRAIGHT MOUNT SIGNAL OVERHEAD AT 11'
 2-POLE MOUNTED SIGNALS (TYPE 10A) AT 90 DEG AND 180 DEG
 ONE-WAY EVP DETECTOR AND CONFIRMATION LIGHT (PHASE 8)
 1-TYPE D SIGN
 2-R9-3a SIGNS (NO PED)
 EXTEND INTO HH 6:
 3" RSC
 2-12/C#12
 1-3/C#12
 1-3/C#20

(6) 12' PEDESTAL POLE AND BASE
 PEDESTAL FOUNDATION
 "NO RIGHT TURN ON RED" BLANKOUT SIGN (R10-11C)
 EXTEND INTO HH 15:
 3" CONDUIT
 1-3/C#14
 1-1/C#6 INS. GR.

(4) PA100 POLE FOUNDATION
 TYPE PA100-A-50-D40-9 (DAVIT AT 350 DEG)
 1-ANGLE MOUNT SIGNAL OVERHEAD AT 0'
 2-STRAIGHT MOUNT SIGNALS OVERHEAD AT 11' AND 23'
 1-ANGLE MOUNT SIGNAL AT 180 DEG
 1-ANGLE MOUNT CD PED HEAD AT 180 DEG
 LUMINAIRE 200W HPS
 ONE-WAY EVP DETECTOR AND CONFIRMATION LIGHT (PHASE 2 & 5)
 1-TYPE D SIGN
 1-R9-3a SIGN (NO PED)
 EXTEND INTO HH 9:
 3" CONDUIT
 2-12/C#14
 1-3/C#14 (LUM.)
 1-3/C#14
 1-3/C#20
 1-1/C#6 INS.GR.

(5) PED PUSH BUTTON STATION (PB2-2)
 1- APS PUSH BUTTON AND SIGN (RT ARROW)
 EXTEND INTO HH 9:
 1" CONDUIT
 1-2/C#14

(A) EQUIPMENT PAD
 CONTROLLER, CABINET & SERVICE CABINET

 EXTEND 4" RSC INTO HH 1:
 4-12/C#12
 3-3/C#12
 7-2/C#14
 2-3/C#20
 1-FO CABLE(6SM)

 EXTEND 4" RSC INTO HH 13:
 2-12/C#14
 2-4/C#14
 1-3/C#14
 10-2/C#14
 1-3/C#20
 1-1/C#6 INS. GR.

 3" RSC EXTEND INTO HH 11:
 (CONNECT TO INPLACE STUB OUT)
 1-FO CABLE(6SM)

 SERVICE CABINET TO CABINET:
 1 1/4" RSC
 2-1/C#6
 1-1/C#6 INS GR.

 SERVICE CABINET TO HH 14:
 2" RSC
 3-1/C#2

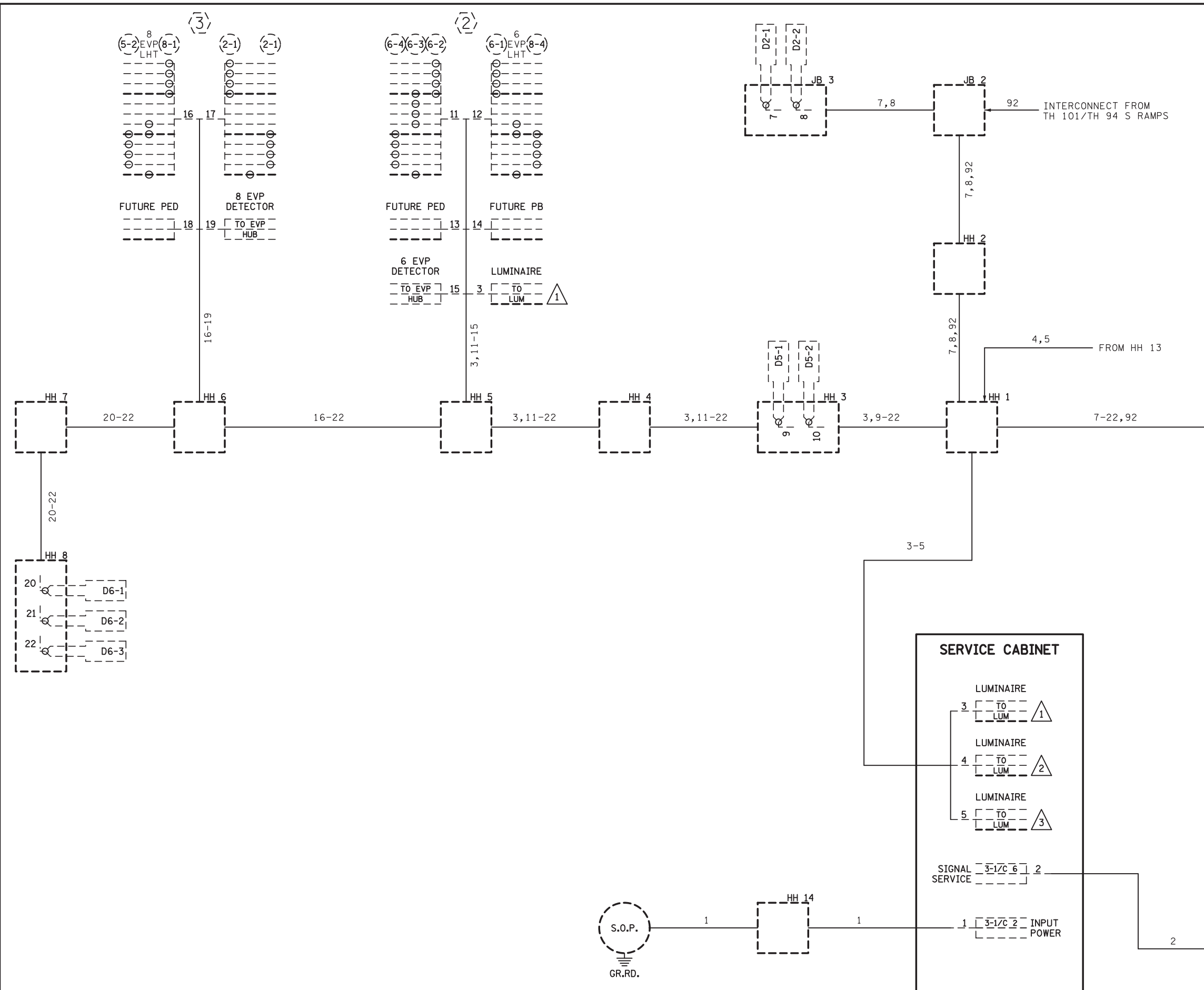
 SERVICE CABINET TO HH 1:
 2" RSC
 2-3/C#12 (LUM)
 1-3/C#14 (LUM)

(B) SOURCE OF POWER
 WOOD POLE MOUNTED TRANSFORMER
 2" RISER AND WEATHERHEAD

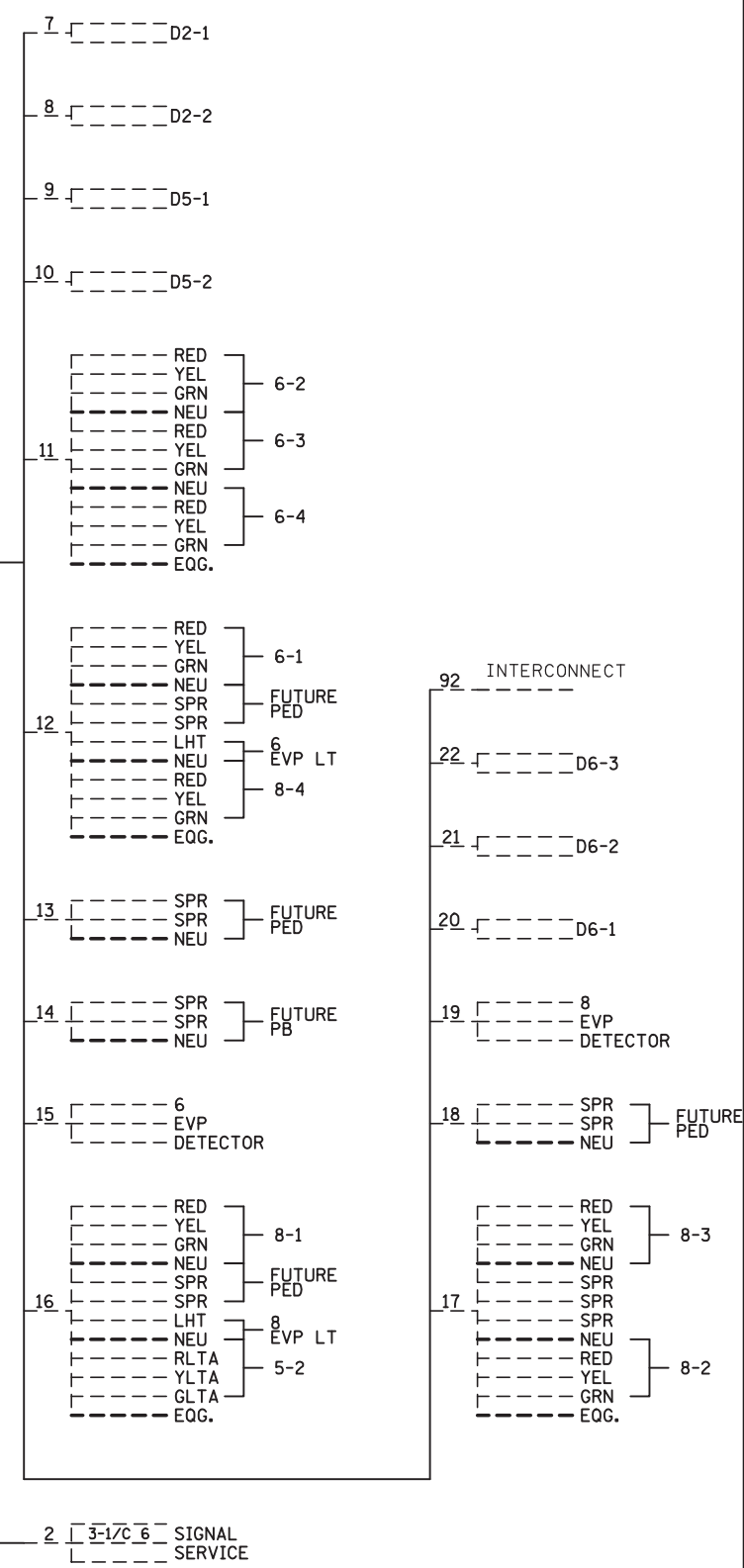
 2" RSC TO HH 14:
 3-1/C#2

BY	DATE	REVISIONS	SYSTEM ID: 1736021	T.E. 6313	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	JUL 8 19	SP 2738-30 RED-LINES	METER ADDRESS: 12800 T.H. 100		CERTIFIED BY _____			DATE: _____
			OLD SYSTEM ID: 22002		STATE PROJ.NO. T.H.		SHEET NO. 2 OF 4 SHEETS	

IPLOT NAME: Wiring 1
 PATH & FILENAME: Projects\DM_ROS\09A00007Traffic\Signals\22002 TH 101 N Ramp\T22002A2_sgl.dgn
 PLOTTED/REVISED: 8-JUL-2019



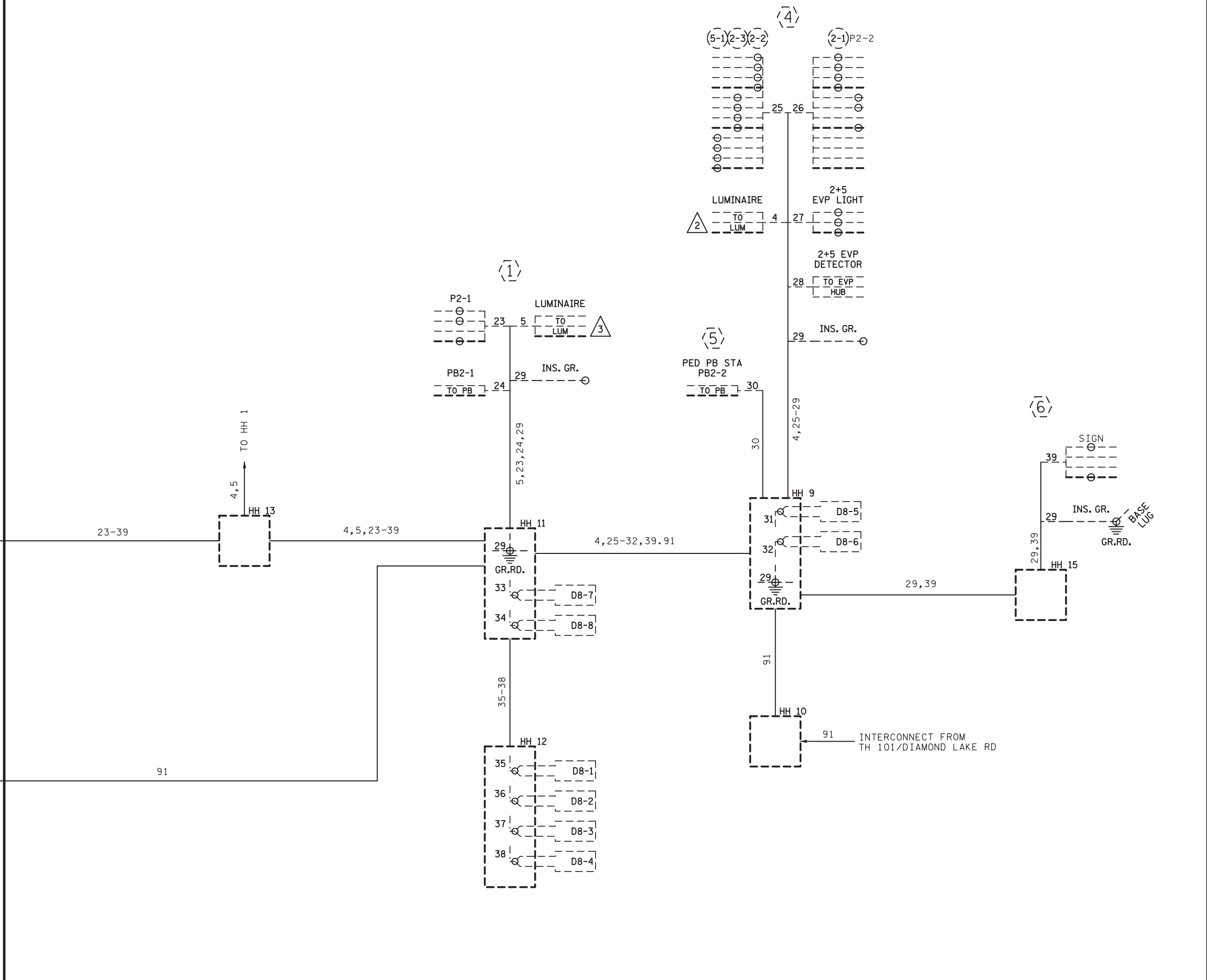
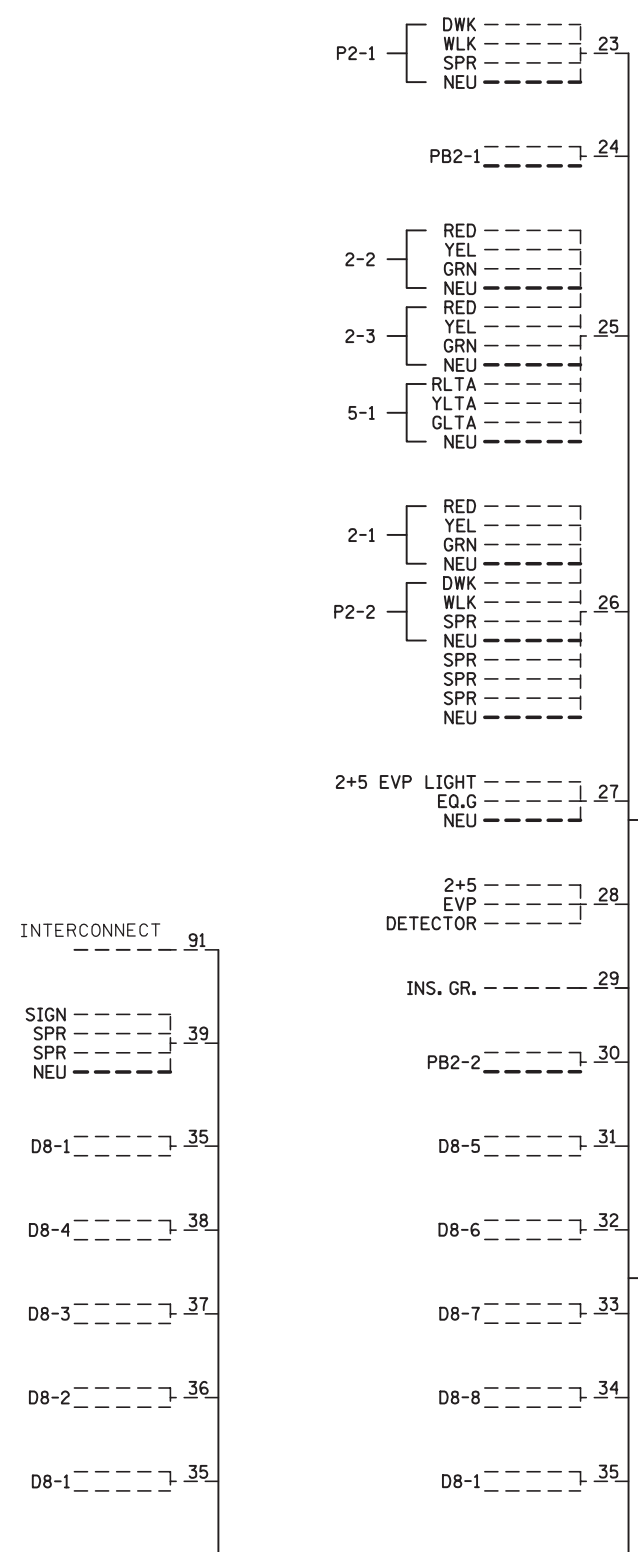
CONTROLLER CABINET



BY	DATE	REVISIONS	SYSTEM ID: 1736021	T.E. 6313	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	JUL 8 19	SP 3738-30 RED-LINES	METER ADDRESS: 12800 T.H. 100		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			OLD SYSTEM ID: 22002		STATE PROJ. NO.	T.H.	SHEET NO. 3 OF 4 SHEETS	

FIELD WIRING DIAGRAM (1 OF 2)
T.H. 100 AT T.H. 94 (N RAMPS)
ROGERS, HENNEPIN COUNTY

CONTROLLER CABINET



IPLOT NAME: Wiring 2
 PATH & FILENAME: Projects\DM_ROS\09A00007TrafficSignals\22002 TH 101 N Ramp\T22002A2_sgl.dgn
 PLOTTED/REVISED: 8-JUL-2019

BY	DATE	REVISIONS	SYSTEM ID: 1736021	T.E. 6313	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
J3T	JUL 8 19	SP 2738-30 RED-LINES	METER ADDRESS: 12800 T.H. 100		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			OLD SYSTEM ID: 22002		STATE PROJ. NO. T.H.		SHEET NO. 4 OF 4 SHEETS	

PLOTTED/REVISED: 3/11/2011

- (A) EQUIPMENT PAD**
 CONTROLLER, CABINET & SERVICE CABINET
 EXTEND 4" RSC INTO HH-1 WITH:
 4 - 12/C#12
 3 - 3/C#12
 7 - 2/C#14
 2 - 3/C#20
 1 - 6PR #19
 F & I - 1 - FO CABLE(6SM)*
 EXTEND 4" RSC INTO HH-13 WITH:
 2 - 12/C#12
 1 - 3/C#12
 1 - 3/C#20
 3 - 2/C#14
 1 - 6PR#19
 2 - 12/C#14
 1 - 3/C#14
 1 - 3/C#14
 10 - 2/C#14
 1 - 3/C#20
 1 - 1/C#6 INS. GR.
 3" RSC EXTEND INTO HH-11
 (CONNECT TO INPLACE STUB OUT)
 1 - FO CABLE(6SM)*
 SERVICE CABINET TO CABINET
 1 1/4" RSC
 2 - 1/C#6
 1 - 1/C#6 BR. GR.
 SERVICE CABINET TO HH-14 WITH:
 2" RSC
 3 - 1/C#2
 SERVICE CABINET TO HH-1 WITH:
 2" RSC
 1 - 3/C #12 (LUM.)
 1 - 3/C #12 (LUM.)
 1 - 3/C #12 (LUM.)
 REMOVE - F & I - 1 - 3/C #12 (LUM.)

- (4) PA100 POLE FOUNDATION**
 TYPE PA100-A-50-D40-9
 (DAVIT AT 350°)
 F & I - 3 - ONE-WAY SIGNALS OVERHEAD
 (0', 12' & 24' FROM END OF MAST ARM)
 1 - ANGLE MOUNT SIGNAL AT 180°
 1 - ANGLE MOUNT C.D. PED IND AT 180°
 F & I - 1 - LUMINAIRE 200W HPS
 1 - ONE-WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 2 & 5)
 INSTALL SALVAGED - TYPE D SIGN
 INSTALL SALVAGED - 1-R9-3a SIGN (NO PED)
 EXTEND INTO INP. HH:
 3" RSC
 REMOVE - 2 - 12/C#12
 1 - 3/C#12
 1 - 3/C#20
 EXTEND INTO HH-9:
 3" CONDUIT
 2 - 12/C#14
 1 - 3/C#14 (LUM.)
 1 - 3/C#14
 1 - 3/C#20
 1 - 1/C#6 INS.GR.

- (3) PA85 POLE FOUNDATION**
 TYPE PA85-A-25
 (DAVIT AT 350°)
 F & I - 1 - ONE-WAY SIGNAL OVERHEAD
 (0' FROM END OF MAST ARM)
 1 - ONE-WAY SIGNAL OVERHEAD
 (11' FROM END OF MAST ARM)
 TYPE 10A POLE MOUNTED AT 90°
 TYPE 10A POLE MOUNTED AT 180°
 ONE-WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 8)
 TYPE D SIGN
 2-R9-3a SIGNS (NO PED)
 EXTEND INTO HH-6:
 3" RSC
 2 - 12/C#12
 1 - 3/C#12
 1 - 3/C#20

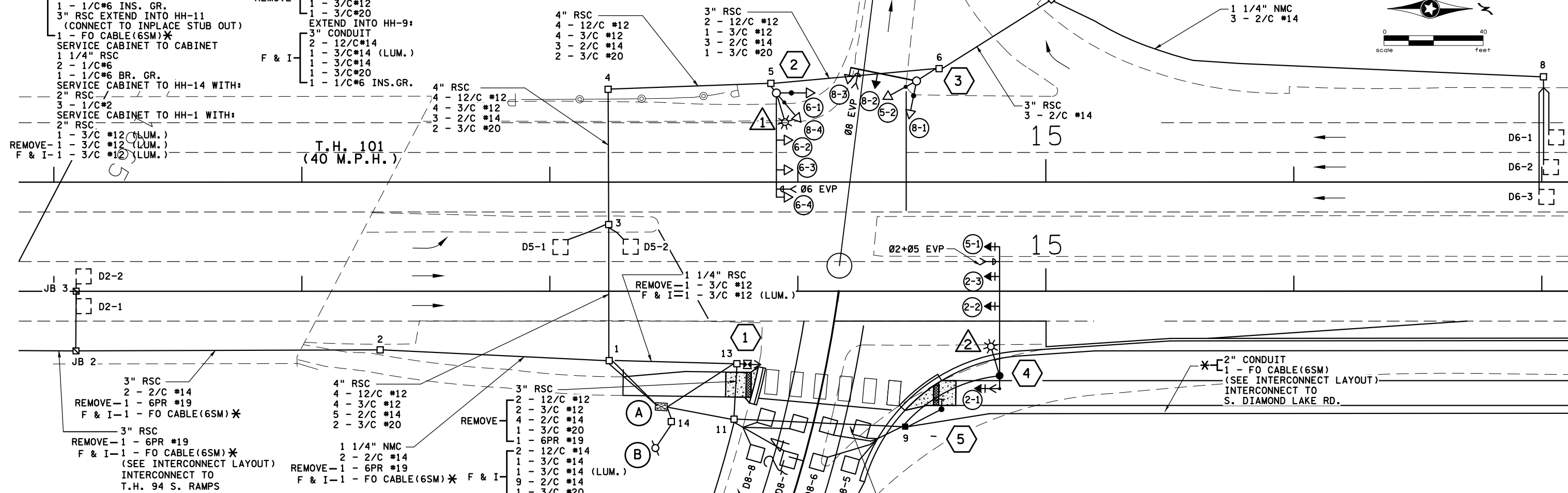
- (2) PA100 POLE FOUNDATION**
 TYPE PA100-A-40-D40-9
 (DAVIT AT 350°)
 F & I - 3-ONE-WAY SIGNALS OVERHEAD
 (0', 11' & 23' FROM END OF MAST ARM)
 TYPE 10A POLE MOUNTED AT 0°
 TYPE 10A POLE MOUNTED AT 270° F & I -
 ONE-WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 6)
 LUMINAIRE-200W HPS
 TYPE D SIGN
 2-R9-3a SIGNS (NO PED)
 1-R6-1(L) SIGN (ONE-WAY)
 EXTEND INTO HH-5:
 3" RSC
 2 - 12/C#12
 3 - 3/C#12
 1 - 3/C#20

LED SIGNAL INDICATIONS			
SIGNAL FACE	R	Y	G
2-1, 2-2, 2-3	●	●	●
5-1, 5-2	←	←	←
6-1, 6-2, 6-3, 6-4	○	●	●
8-1, 8-3, 8-4	○	●	●
8-2	●	●	●

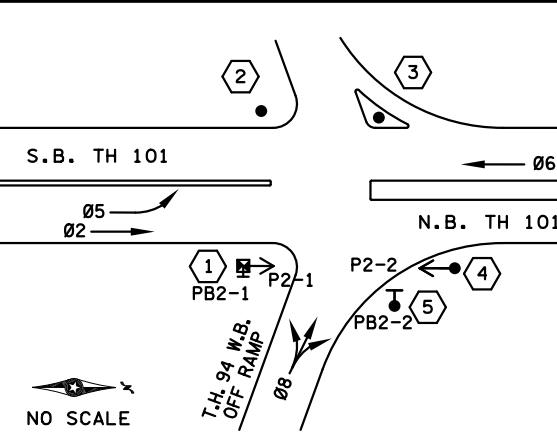
-ALL VEHICLE SIGNAL INDICATIONS SHALL BE 12"
 -EACH SIGNAL FACE SHALL HAVE A BACKGROUND SHIELD

NMC LOOP DETECTORS		
DESIGNATION	NO. & SIZE/FT.	LOCATION
D2-1, D2-2 (SAW-CUT)	1-6' X6'	250'
D5-1	1-6' X6'	40'
D5-2	1-6' X6'	10'
D6-1, D6-2, D6-3	1-6' X6'	250'
D8-1, D8-2, D8-3, D8-4	1-6' X6'	120'
D8-5, D8-6, D8-7, D8-8	2-6' X6'	5', 20'

-ALL LOOP DETECTORS SHALL BE NMC UNLESS NOTED OTHERWISE
 -LOCATION: DISTANCE FROM CROSSWALK/STOP



CONTROLLER PHASING, PEDESTRIAN INDICATIONS & PUSHBUTTON LAYOUT



- (1) REMOVE - PEDESTAL FOUNDATION**
 PEDESTAL POLE AND BASE
 PEDESTAL FOUNDATION
 F & I - 10' PEDESTAL POLE AND BASE
 F & I - 1 - TYPE 4A
 1 - R9-3a SIGN (NO PED)
 SALVAGED - 3" RSC
 REMOVE - 3 - 3/C #12
 1 - C.D. PED IND
 1 - APS PUSH BUTTON AND SIGN (RT. ARROW)
 EXTEND INTO HH-13:
 3" CONDUIT
 1 - 2/C#14
 1 - 3/C#14
 1 - 1/C#6 INS. GR.

- SIGNAL OPERATION NOTES**
 - NORMAL OPERATION IS 4 PHASE
 - FLASH MODE SHALL BE ALL RED
 - Ø5 SHALL BE PROTECTED LEFT TURNS
 - Ø2 SHALL BE ON PEDESTRIAN RECALL
 - Ø6 SHALL BE VEHICLE RECALL

- NOTES:**
- 1) ALL ITEMS SHOWN ARE INPLACE AND SHALL REMAIN INPLACE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PROTECT AND MAINTAIN INPLACE ITEMS (SEE SPECIAL PROVISIONS).
 - 2) SEE SPECIAL PROVISIONS FOR STATE FURNISHED MATERIALS, LED PEDESTRIAN INDICATIONS, LED VEHICLE INDICATIONS, ONE-WAY SIGNAL MOUNT AND PAINTING OF SIGNAL SYSTEM.
 - 3) THE EXACT LOCATION OF HANDHOLES, POLES AND LOOP DETECTORS SHALL BE DETERMINED IN THE FIELD BY THE MN/DOT TRAFFIC OFFICE PERSONNEL.
 - 4) ITEMS DENOTED WITH AN * ARE INCLUDED IN THE INTERCONNECT PAY ITEM.
 - 5) THE CONTRACTOR SHALL LOCATE AND VERIFY INPLACE UTILITIES PRIOR TO COMMENCING WORK. SEE UTILITY PLANS.
 - 6) THE CONTRACTOR SHALL REMOVE INPLACE PEDESTRIAN INDICATIONS AND FURNISH AND INSTALL LED PEDESTRIAN INDICATIONS WITH COUNTDOWN TIMER.
 - 7) ALL INPLACE YELLOW AND GREEN INCANDESCENT VEHICLE SIGNAL HEAD SECTIONS SHALL BE REPLACED WITH LED SECTIONS AND LEDS.
 - 8) THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CONNECTION OF THE POWER FOR THE TRAFFIC SIGNAL.

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Print Name: JONATHAN J. KRIEG
 Date: _____ License #: 40780

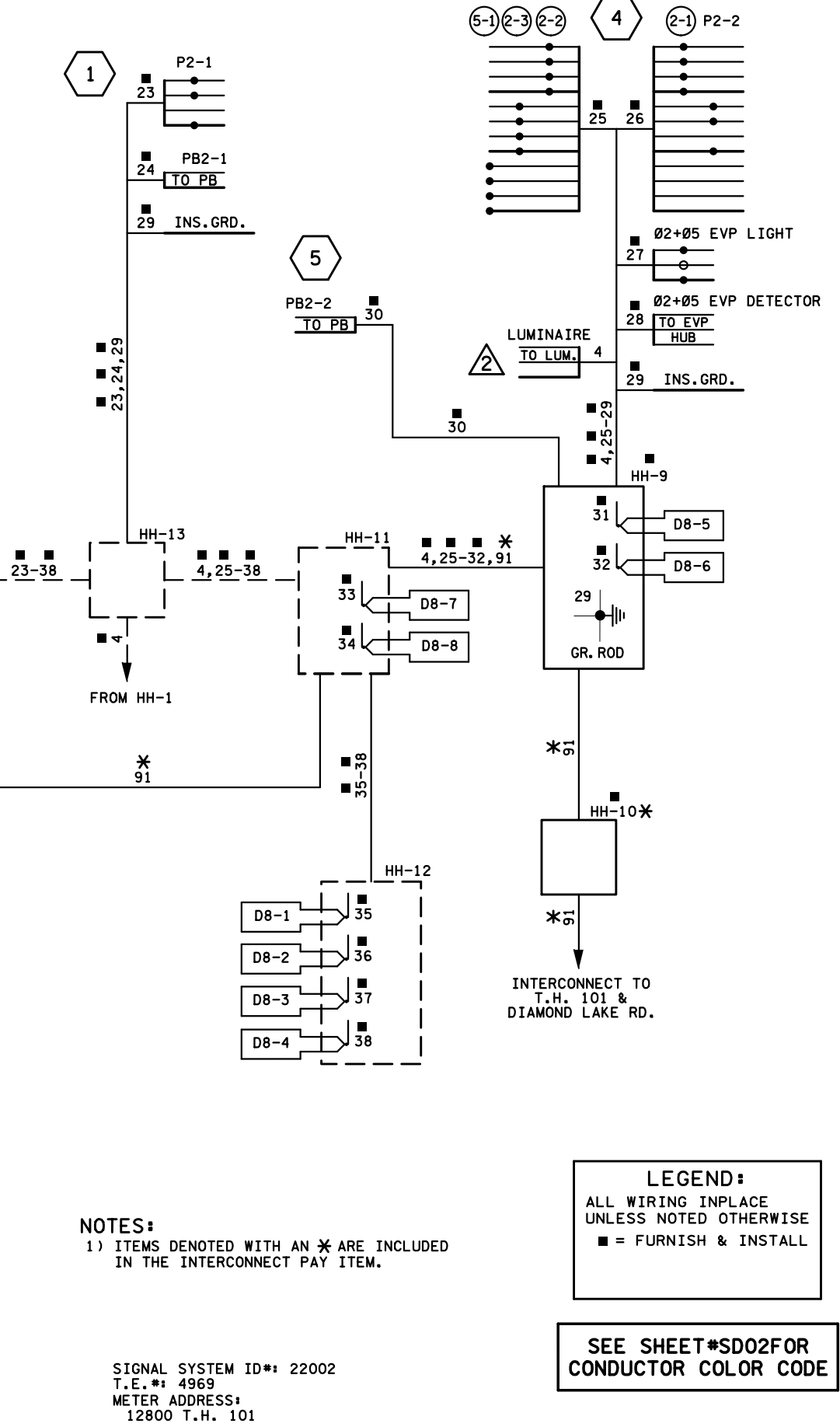
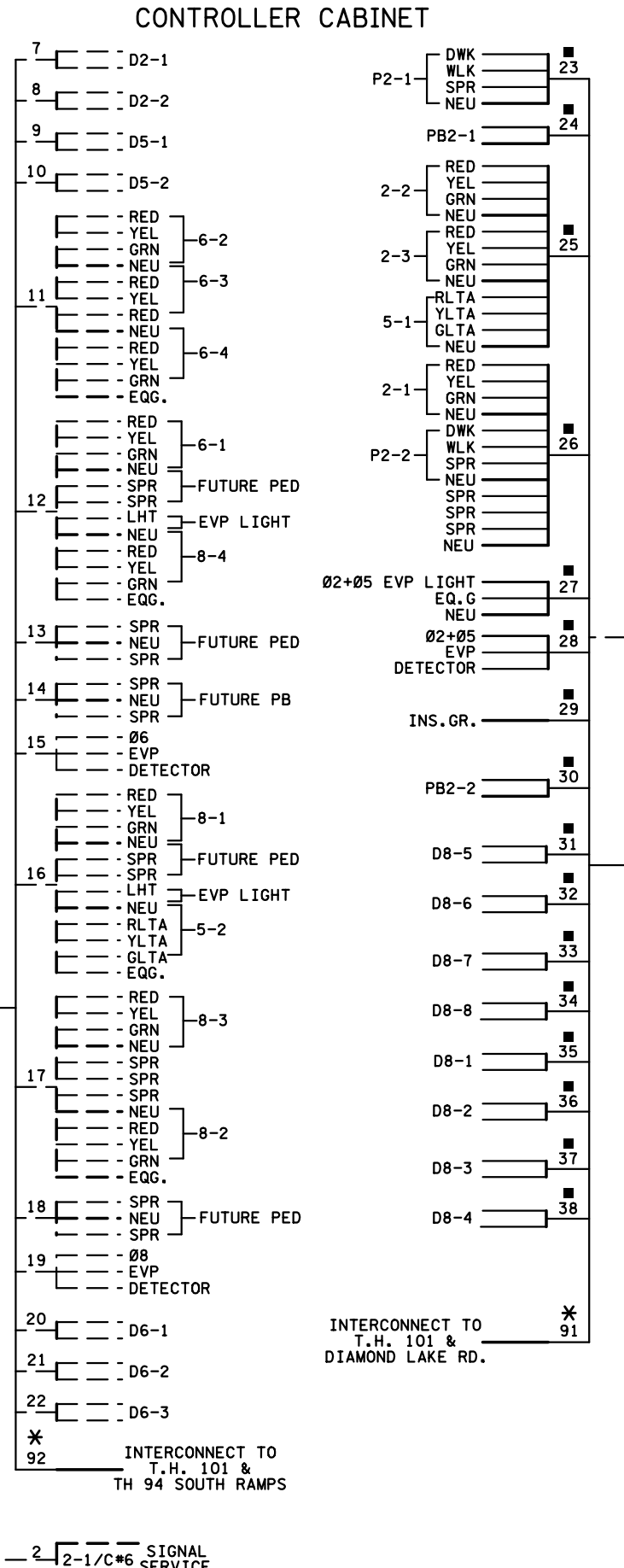
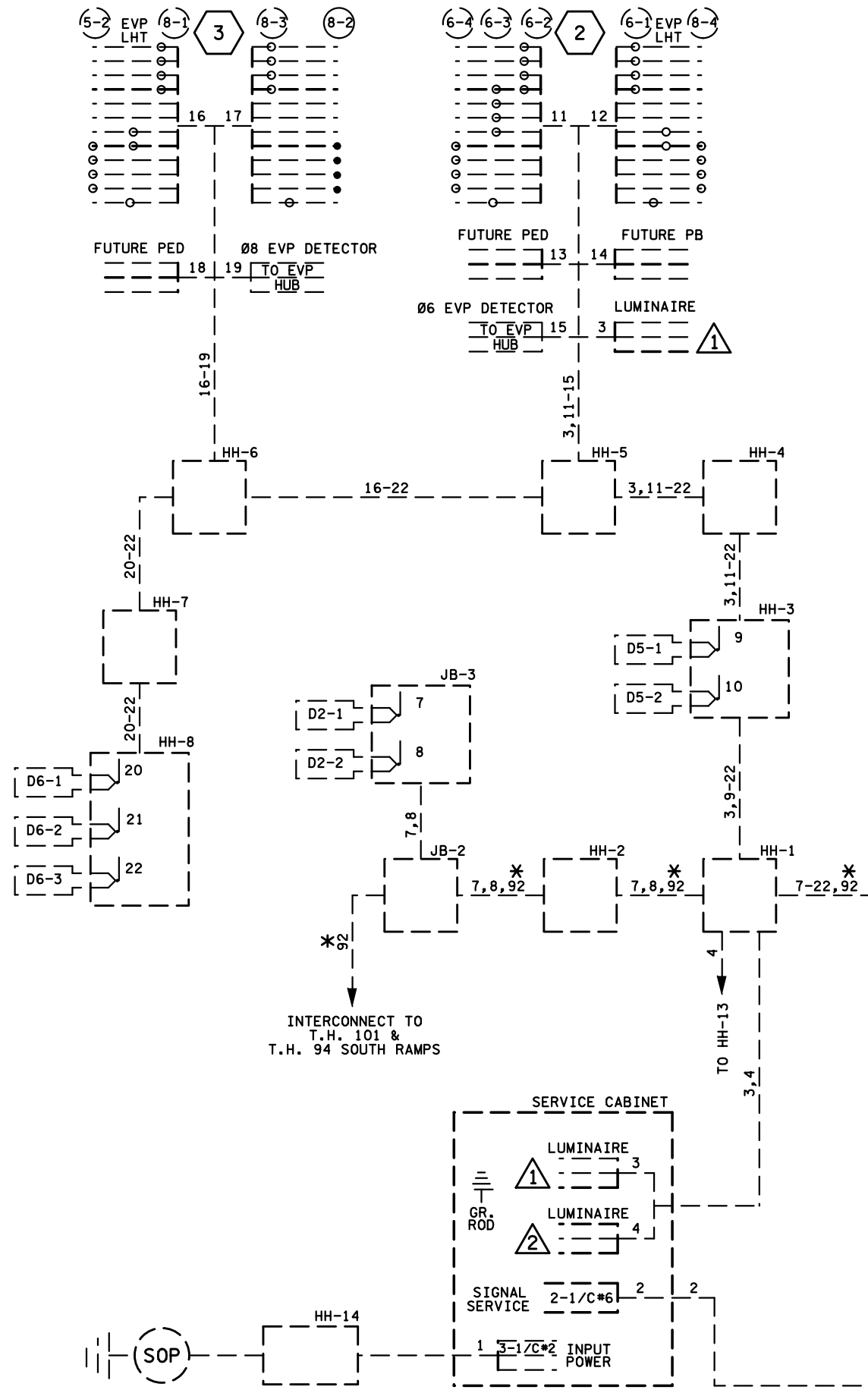
STATE PROJECT NO. 2780-75
 FEDERAL PROJECT NO. 238-010-02
 DRAWN BY D. RASMUSSEN
 DESIGNED BY D. RASMUSSEN
 CHECKED BY J. KRIEG
 COMM. NO. 0096911



MINNESOTA DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLANS
 N.B. TH 101 FLYOVER DIAMOND LAKE ROAD
 REVISED INTERCONNECT LAYOUT
 T.H. 101 AT T.H. 94 NORTH RAMPS (SYSTEM "A")
 SHEET #R01 OF #XXX

DISTRICT #: METRO
 IPLOT NAME: T2200210
 PATH & FILENAME: IP_PWP-d0781697\T2200210.dgn

PLOTTED/REVISED: 3/11/2011



DISTRICT #: METRO
 IPLOT NAME: 122002W
 PATH & FILENAME: IP_PWP-d0781697122002sgl.dgn

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: JONATHAN J. KRIEG

Date: _____ License #: 40780

STATE PROJECT NO. 2780-75
 FEDERAL PROJECT NO. 238-010-02

DRAWN BY D. RASMUSSEN
 DESIGNED BY D. RASMUSSEN
 CHECKED BY J. KRIEG
 COMM. NO. 0096911

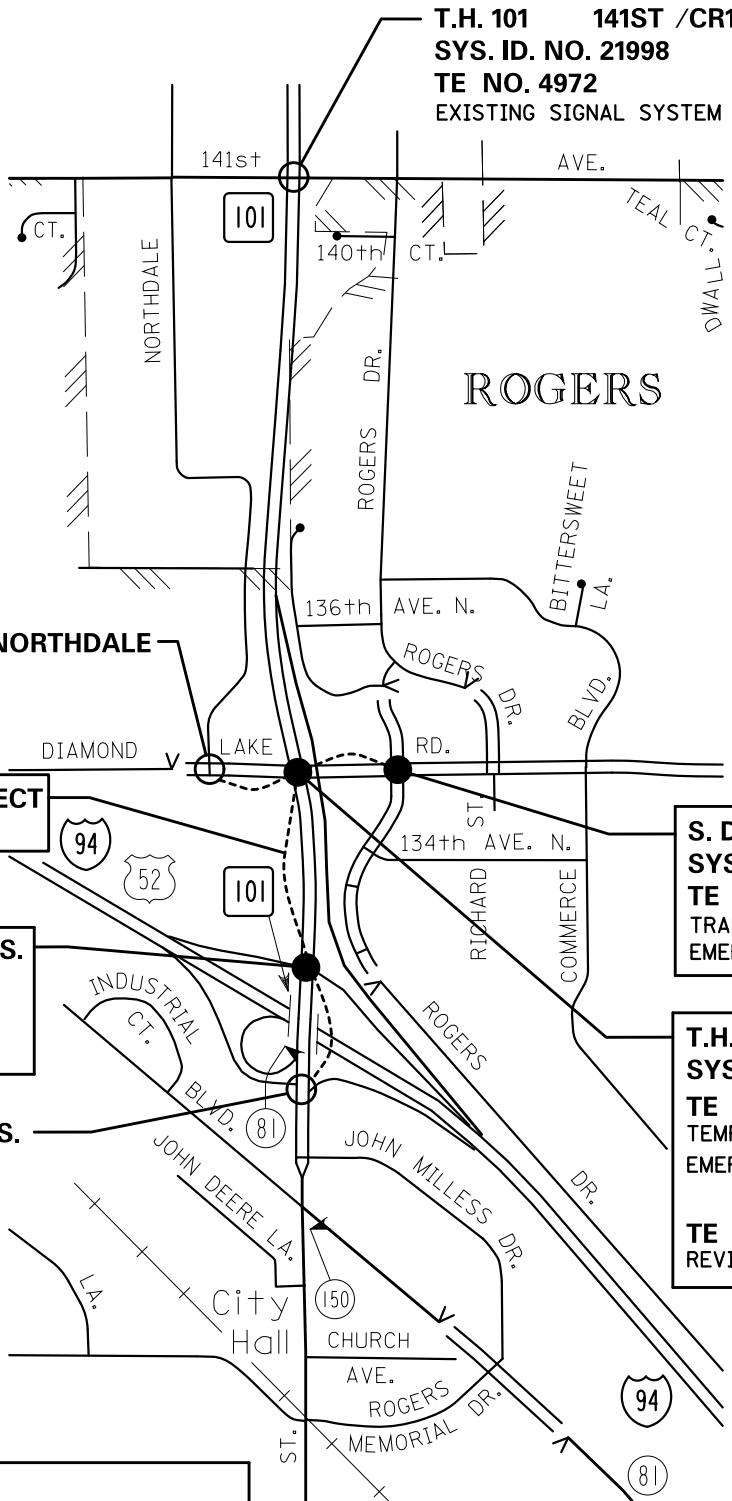


MINNESOTA DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLANS
 N.B. TH 101 FLYOVER DIAMOND LAKE ROAD
 REVISED FIELD WIRING DIAGRAM
 T.H. 101 AT T.H. 94 NORTH RAMP (SYSTEM "A")

SHEET #WD01 OF #XXX

PLOTTED/REVISED: 3/11/2011

DISTRICT #: METRO
 IPLOT NAME: T22002H
 PATH & FILENAME: IP_PWP-d0781697\T22002.sgl.dgn



FIBER OPTIC (6-SM) INTERCONNECT
 TRAFFIC CONTROL INTERCONNECTION

T.H. 101 T.H. 94 NORTH RAMPS.
SYS. ID. NO. 22002
TE NO. 4969
 REVISE SIGNAL SYSTEM 'A' ②

T.H. 101 T.H. 94 SOUTH RAMPS.
SYS. ID. NO. 22001
TE NO. 4970
 EXISTING SIGNAL SYSTEM

S. DIAMOND LAKE RD. ROGERS DRIVE
SYS. ID. NO. 38563
TE NO. 4272
 TRAFFIC CONTROL SIGNAL SYSTEM
 EMERGENCY VEHICLE PREEMPTION SYSTEM 'A'

T.H. 101 S. DIAMOND LAKE RD.
SYS. ID. NO. 22000
TE NO. 4271
 TEMPORARY SIGNAL SYSTEM
 EMERGENCY VEHICLE PREEMPTION
 SYSTEM 'B' (FOR TEMP SIGNAL)
TE NO. 4968
 REVISE SIGNAL SYSTEM 'B' ①

- ① SIGNAL REVISION DUE TO CONSTRUCTION OF THE FLYOVER BRIDGE AND CHANGES IN INTERSECTION GEOMETRY. MAJOR WORK INCLUDES RELOCATING EXISTING POLES, AND FURNISHING AND INSTALLING A NEW SIGNAL MAST ARM POLE.
- ② SIGNAL REVISION DUE TO ELIMINATION OF FREE RIGHT TURN AND CHANGES IN LANE ASSIGNMENTS. MAJOR WORK INCLUDES FURNISHING AND INSTALLING A NEW SIGNAL MAST ARM POLE.

AF					TABULATED SIGNAL QUANTITIES				
ITEM NO.	ITEM DESCRIPTION	LOCATION	UNIT	ESTIMATED QUANTITIES					
2565	TRAFFIC CONTROL SIGNAL SYSTEM	S. DIAMOND LAKE ROAD @ ROGERS DRIVE (ID# 38563)	SIG SYS	1					
2565	EMERGENCY VEHICLE PREEMPTION SYSTEM A	S. DIAMOND LAKE ROAD @ ROGERS DRIVE (ID# 38563)	LUMP SUM	1					
2565	EMERGENCY VEHICLE PREEMPTION SYSTEM B	T.H. 101 @ S. DIAMOND LAKE ROAD (ID# 22000)	LUMP SUM	1					
2565	TRAFFIC CONTROL INTERCONNECTION	5 SIGNALS INTERCONNECTED	LUMP SUM	1					
2565	REVISE SIGNAL SYSTEM A	T.H. 101 @ T.H. 94 N. RAMPS (ID# 22002)	SYSTEM	1					
2565	REVISE SIGNAL SYSTEM B	T.H. 101 @ S. DIAMOND LAKE ROAD (ID# 22000)	SYSTEM	1					
2565	TEMPORARY SIGNAL SYSTEM	T.H. 101 @ S. DIAMOND LAKE ROAD (ID# 22000)	SYSTEM	1					

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
 Print Name: JONATHAN J. KRIEG
 Date: License # 40780

STATE PROJECT NO. 2780-75
 FEDERAL PROJECT NO. 238-010-02

DRAWN BY M. BRESSLER
 DESIGNED BY M. BRESSLER
 CHECKED BY J. KRIEG
 COMM. NO. 0096911



MINNESOTA DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLANS
 N.B. TH 101 FLYOVER DIAMOND LAKE ROAD
 GENERAL LAYOUT & TABULATED SIGNAL QUANTITIES

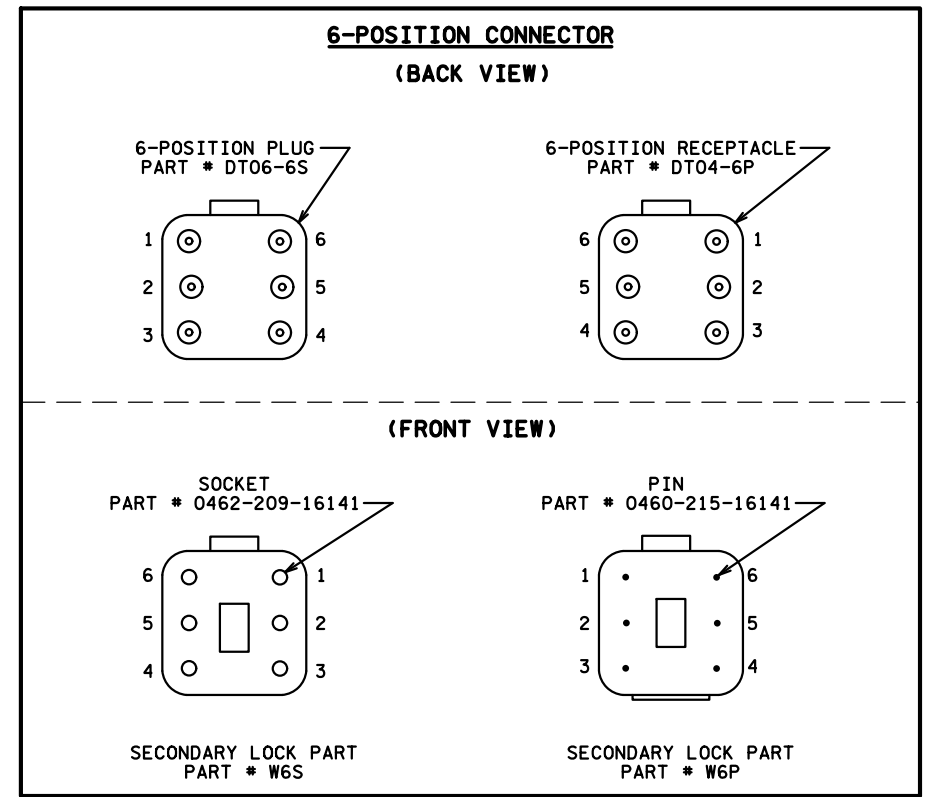
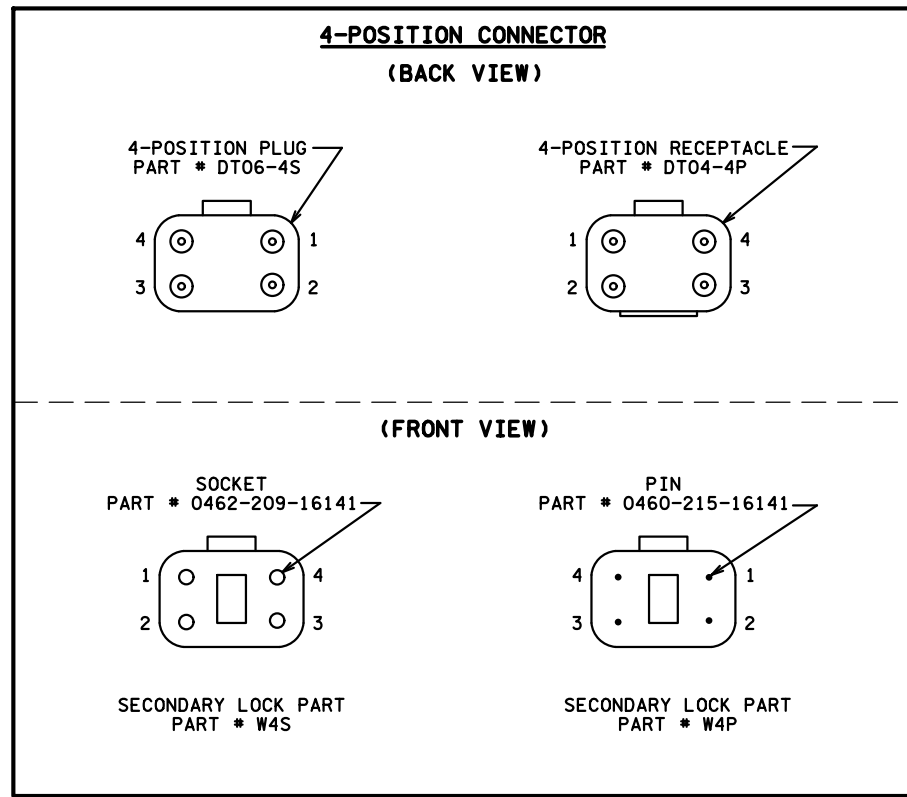
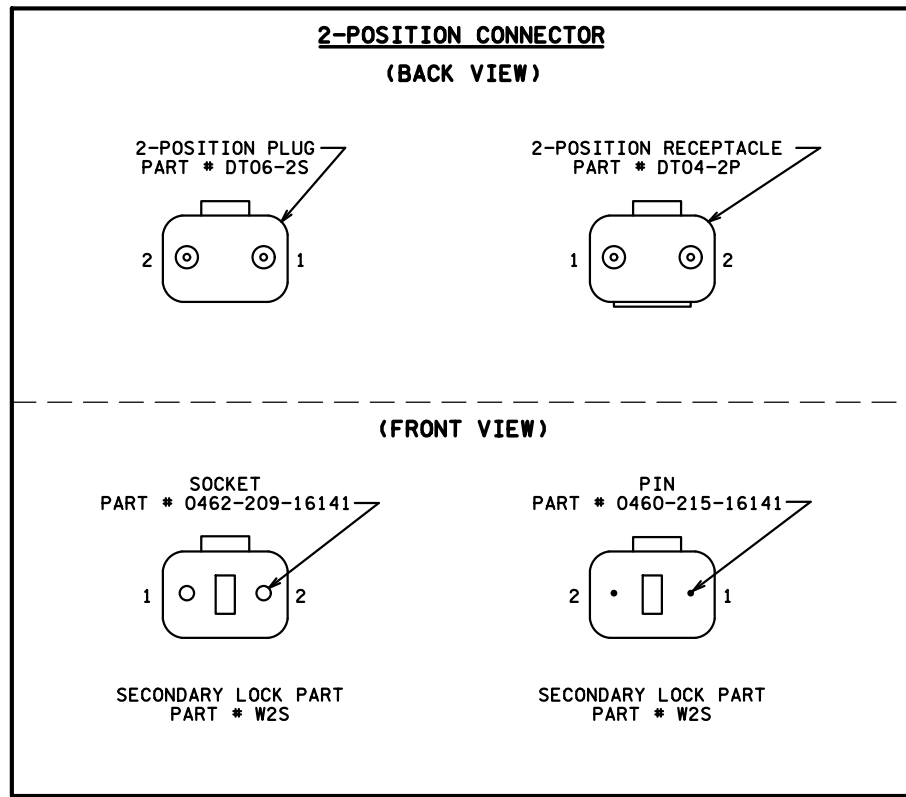
SHEET #SD10 OF #XXX

NO DATE BY CKD APPR REVISION

NO	DATE	BY	CKD	APPR	REVISION

FILE

PLOTTED/REVISED: 3/11/2011

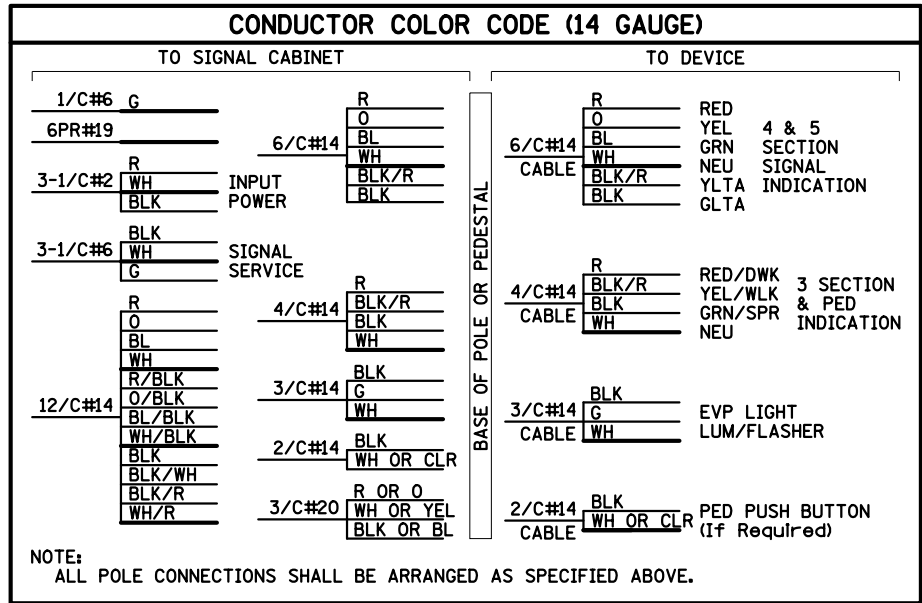


Wire to Control Cabinet	Connector pin #	Wire to Signal Indication	Signal Indication
BLK	1	BLK	PB (If Required)
WH or CL	2	WH or CL	NEU

Wire to Control Cabinet	Connector pin #	Wire to Signal Indication	Signal Indication
R or R/BLK or BLK	1	R	RED or DWK
O or O/BLK or BLK/WH or BLK	2	BLK/R	YEL or WLK
BL or BL/BLK or BLK/R or BLK	3	BLK	GRN or SPR
WH or WH/BLK or WH/R	4	WH	NEU

Wire to Control Cabinet	Connector pin #	Wire to Signal Indication	Signal Indication
R	1	R	RED
O	2	O	YEL
BL	3	BL	GRN
WH	4	WH	NEU
O/BLK	5	BLK/R	YLTA
BL/BLK	6	BLK	GLTA

Wire to Control Cabinet	Connector pin #	Wire to Signal Indication	Signal Indication
BLK	1	BLK	EVP LHT or LUM or RED or YEL
(Not Used)	2	(Not Used)	(Not Used) (See Note #8)
G	3	G	EQ.G
WH	4	WH	NEU



R	Red
O	Orange
BL	Blue
WH	White
BLK	Black
BRN	Brown
CL	Clear
G	Green
R/BLK	Red with Black Stripe
O/BLK	Orange with Black Stripe
BL/BLK	Blue with Black Stripe
WH/BLK	White with Black Stripe
WH/R	White with Red Stripe
BLK/WH	Black with White Stripe
BLK/R	Black with Red Stripe

- NOTES:**
- DT04-P RECEPTACLE SHALL BE TERMINATED TO THE WIRING HARNESS RUNNING FROM THE BASE/JUNCTION BOX OF THE POLE TO SIGNAL INDICATIONS.
 - DT06-S PLUG SHALL BE TERMINATED TO THE CABLES RUNNING FROM THE TRAFFIC SIGNAL CABINET TO THE BASE/JUNCTION BOX OF THE POLE.
 - THERE SHALL BE A MINIMUM OF 24 INCHES OF SLACK ON EACH CABLE IN EVERY POLE BASE /JUNCTION BOX.
 - STRIP A MAXIMUM OF 6 INCHES OF THE OUTER JACKET OF EACH SIGNAL CABLE.
 - STRIP .250 INCHES OF INSULATION FROM EACH INDIVIDUAL CONDUCTOR.
 - CRIMP PINS OR SOCKETS USING RATCHETING TYPE CRIMPING TOOL HDT-48-00. NO OTHER CRIMPING TOOL WILL BE ALLOWED.
 - WIRES MUST BE TERMINATED AS DETAILED IN TABLES 1 THRU 3 DEPENDING ON WIRE COUNT.
 - ANY UNUSED PIN MUST HAVE A SEALING PLUG INSTALLED IN BOTH THE PLUG & RECEPTACLE (PART # 114017).
 - LABEL EACH HALF OF THE CONNECTOR (PLUG AND RECEPTACLE) WITH THE DEVICE DESIGNATION (AS INDICATED IN THE WIRING DIAGRAM) USING A PERMANENT BLACK MARKER.

DISTRICT #: METRO
PLOT NAME: 122002con
PATH & FILENAME: IP_PWP-d0781697\122002sgl.dgn

NO	DATE	BY	CKD	APPR	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: JONATHAN J. KRIEG
Date: _____ License #: 40780

STATE PROJECT NO. 2780-75
DESIGNED BY M. BRESSLER
CHECKED BY J. KRIEG
COMM. NO. 0096911



MINNESOTA DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLANS
N.B. TH 101 FLYOVER DIAMOND LAKE ROAD
TRAFFIC SIGNAL POLE BASE CONNECTOR DETAILS

SHEET #SD02 OF #XXX