

PLOTTED/REVISED: 12/2/2015

COMBINATION EQUIPMENT PAD - TYPE 2 (A)  
 (SIGNALS AND LIGHTING)  
 (SEE SHEET 3 FOR PAD DETAILS)  
 CONTROLLER AND CABINET  
 MASTER CONTROLLER  
 SERVICE CABINET (SEE SHEET 3)  
 3/4" PVC FOR PHONE DROP  
 CABLE PROVIDED BY PHONE COMPANY (QWEST)  
 4" PVC TO HH 1: 4" PVC TO HH 15:  
 4-12/C#12 4-12/C#12  
 8-3/C#12 8-3/C#12  
 12-2/C#14 4-2/C#14  
 3-3/C#20 2-3/C#20  
 1-1/C#6 INS.GR. 1-1/C#6 INS.GR.  
 1-6PR#19

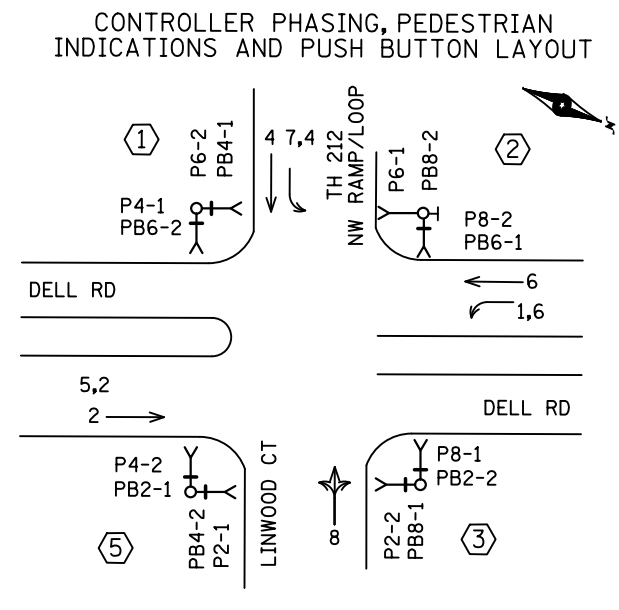
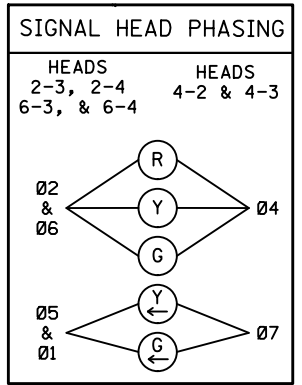
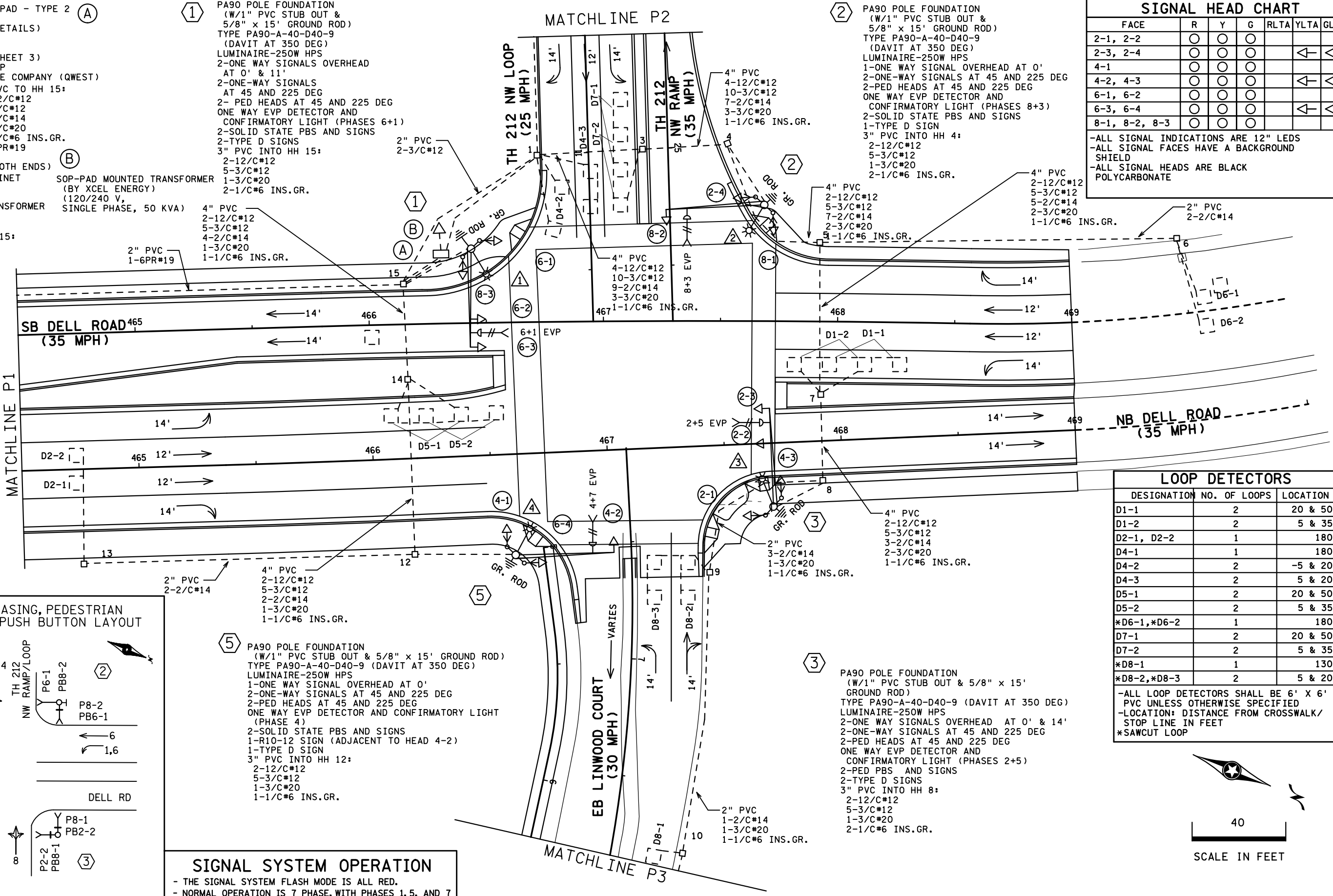
3" PVC STUBBED OUT TO THE NORTH (CAPPED BOTH ENDS) (B)  
 2" PVC TO SERVICE CABINET  
 2-1/C#6  
 1-1/C#6 INS. GR.  
 SERVICE CABINET TO TRANSFORMER  
 2" PVC  
 3-1/C #2  
 SERVICE CABINET TO HH 15:  
 2" PVC  
 4-3/C #12

① PA90 POLE FOUNDATION  
 (W/1" PVC STUB OUT & 5/8" x 15' GROUND ROD)  
 TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)  
 LUMINAIRE-250W HPS  
 2-ONE WAY SIGNALS OVERHEAD AT 0' & 11'  
 2-ONE-WAY SIGNALS AT 45 AND 225 DEG  
 2- PED HEADS AT 45 AND 225 DEG  
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 6+1)  
 2-SOLID STATE PBS AND SIGNS  
 2-TYPE D SIGNS  
 3" PVC INTO HH 15:  
 2-12/C#12  
 5-3/C#12  
 1-3/C#20  
 2-1/C#6 INS.GR.

② PA90 POLE FOUNDATION  
 (W/1" PVC STUB OUT & 5/8" x 15' GROUND ROD)  
 TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)  
 LUMINAIRE-250W HPS  
 1-ONE WAY SIGNAL OVERHEAD AT 0'  
 2-ONE-WAY SIGNALS AT 45 AND 225 DEG  
 2-PED HEADS AT 45 AND 225 DEG  
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 8+3)  
 2-SOLID STATE PBS AND SIGNS  
 1-TYPE D SIGN  
 3" PVC INTO HH 4:  
 2-12/C#12  
 5-3/C#12  
 1-3/C#20  
 2-1/C#6 INS.GR.

SIGNAL HEAD CHART						
FACE	R	Y	G	RLTA	YLTA	GLTA
2-1, 2-2	○	○	○			
2-3, 2-4	○	○	○		←	←
4-1	○	○	○			
4-2, 4-3	○	○	○		←	←
6-1, 6-2	○	○	○			
6-3, 6-4	○	○	○		←	←
8-1, 8-2, 8-3	○	○	○			

-ALL SIGNAL INDICATIONS ARE 12" LEDS  
 -ALL SIGNAL FACES HAVE A BACKGROUND SHIELD  
 -ALL SIGNAL HEADS ARE BLACK POLYCARBONATE



⑤ PA90 POLE FOUNDATION  
 (W/1" PVC STUB OUT & 5/8" x 15' GROUND ROD)  
 TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)  
 LUMINAIRE-250W HPS  
 1-ONE WAY SIGNAL OVERHEAD AT 0'  
 2-ONE-WAY SIGNALS AT 45 AND 225 DEG  
 2-PED HEADS AT 45 AND 225 DEG  
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASE 4)  
 2-SOLID STATE PBS AND SIGNS  
 1-R10-12 SIGN (ADJACENT TO HEAD 4-2)  
 1-TYPE D SIGN  
 3" PVC INTO HH 12:  
 2-12/C#12  
 5-3/C#12  
 1-3/C#20  
 1-1/C#6 INS.GR.

③ PA90 POLE FOUNDATION  
 (W/1" PVC STUB OUT & 5/8" x 15' GROUND ROD)  
 TYPE PA90-A-40-D40-9 (DAVIT AT 350 DEG)  
 LUMINAIRE-250W HPS  
 2-ONE WAY SIGNALS OVERHEAD AT 0' & 14'  
 2-ONE-WAY SIGNALS AT 45 AND 225 DEG  
 2-PED HEADS AT 45 AND 225 DEG  
 ONE WAY EVP DETECTOR AND CONFIRMATORY LIGHT (PHASES 2+5)  
 2-PED PBS AND SIGNS  
 2-TYPE D SIGNS  
 3" PVC INTO HH 8:  
 2-12/C#12  
 5-3/C#12  
 1-3/C#20  
 2-1/C#6 INS.GR.

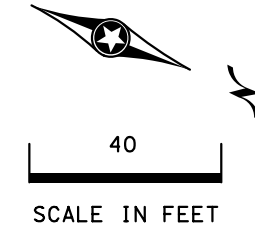
**LOOP DETECTORS**

DESIGNATION	NO. OF LOOPS	LOCATION
D1-1	2	20 & 50
D1-2	2	5 & 35
D2-1, D2-2	1	180
D4-1	1	180
D4-2	2	-5 & 20
D4-3	2	5 & 20
D5-1	2	20 & 50
D5-2	2	5 & 35
*D6-1, *D6-2	1	180
D7-1	2	20 & 50
D7-2	2	5 & 35
*D8-1	1	130
*D8-2, *D8-3	2	5 & 20

-ALL LOOP DETECTORS SHALL BE 6' X 6' PVC UNLESS OTHERWISE SPECIFIED  
 -LOCATION: DISTANCE FROM CROSSWALK/ STOP LINE IN FEET  
 \*SAWCUT LOOP

**SIGNAL SYSTEM OPERATION**

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 7 PHASE, WITH PHASES 1, 5, AND 7 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES.



DISTRICT #: METRO  
IPLOT NAME: T38426L\_sgl  
PATH & FILENAME: IP\_PWP-d0784958Y38426L\_sgl.dgn

BY	DATE	REVISIONS
EJA	12-02-15	PLAN UPDATES

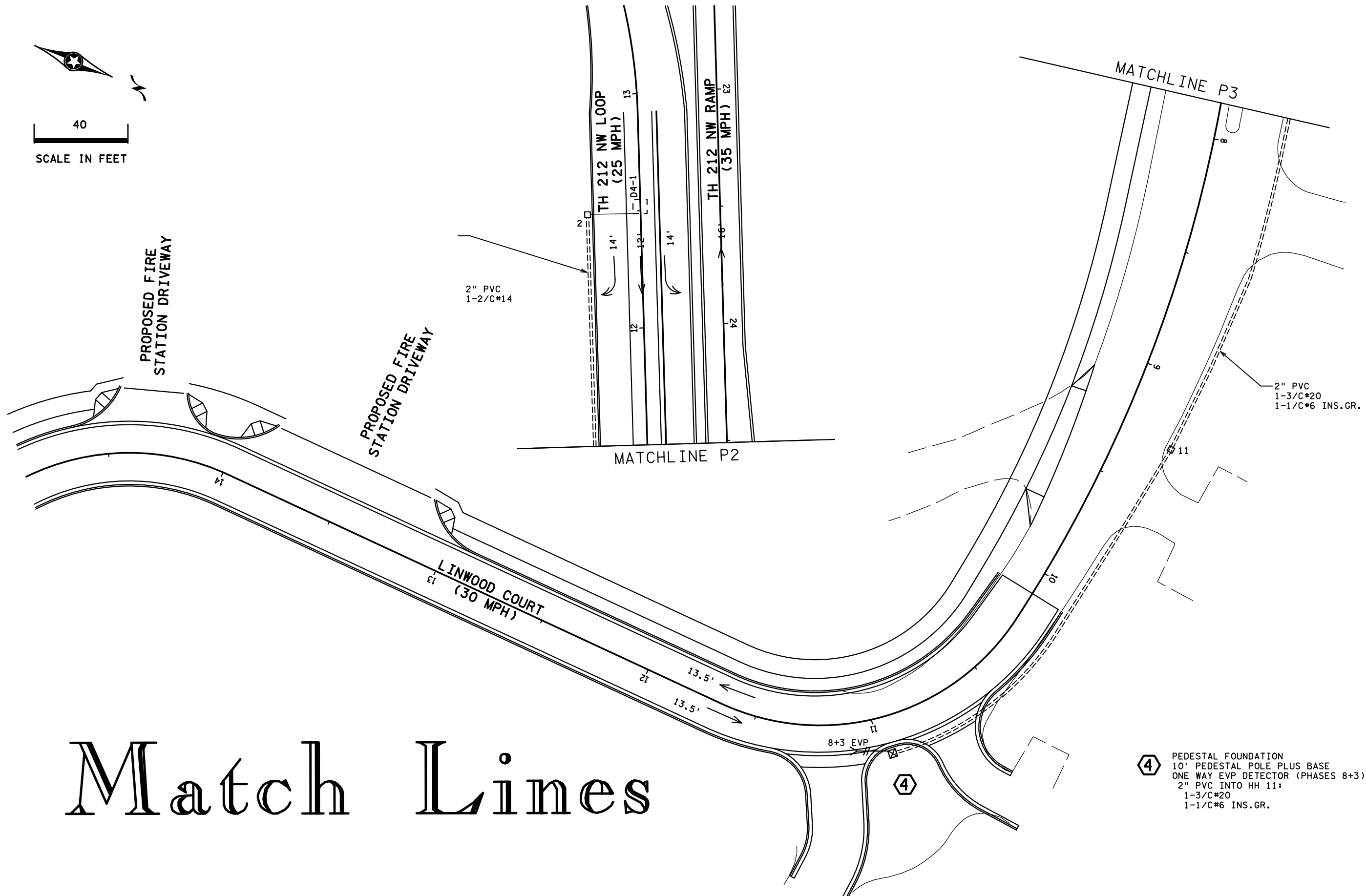
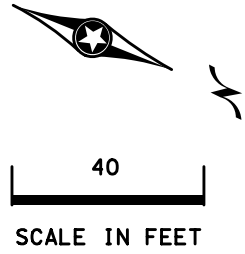
SYSTEM ID: 38426 T.E.  
 METER ADDRESS: 8400 DELL ROAD  
 MASTER ID: T.E.

**INTERSECTION LAYOUT**  
 TH 212 AT DELL RD/LINWOOD CT N RAMP  
 IN EDEN PRAIRIE, HENNEPIN COUNTY

S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
CERTIFIED BY _____	LIC. NO. _____		DATE: _____
STATE PROJ. NO.	(T.H.212)	SHEET NO.	1 OF 4 SHEETS

PLOTTED/REVISED: 12/2/2015

DISTRICT #: METRO  
IPLOT NAME: T38426M.sgl  
PATH & FILENAME: IP\_PWP-d0784958\T38426M.sgl.dgn



# Match Lines

④ PEDESTAL FOUNDATION  
10' PEDESTAL POLE PLUS BASE  
ONE WAY EVP DETECTOR (PHASES 8+3)  
2" PVC INTO HH 11:  
1-3/C#20  
1-1/C#6 INS.GR.

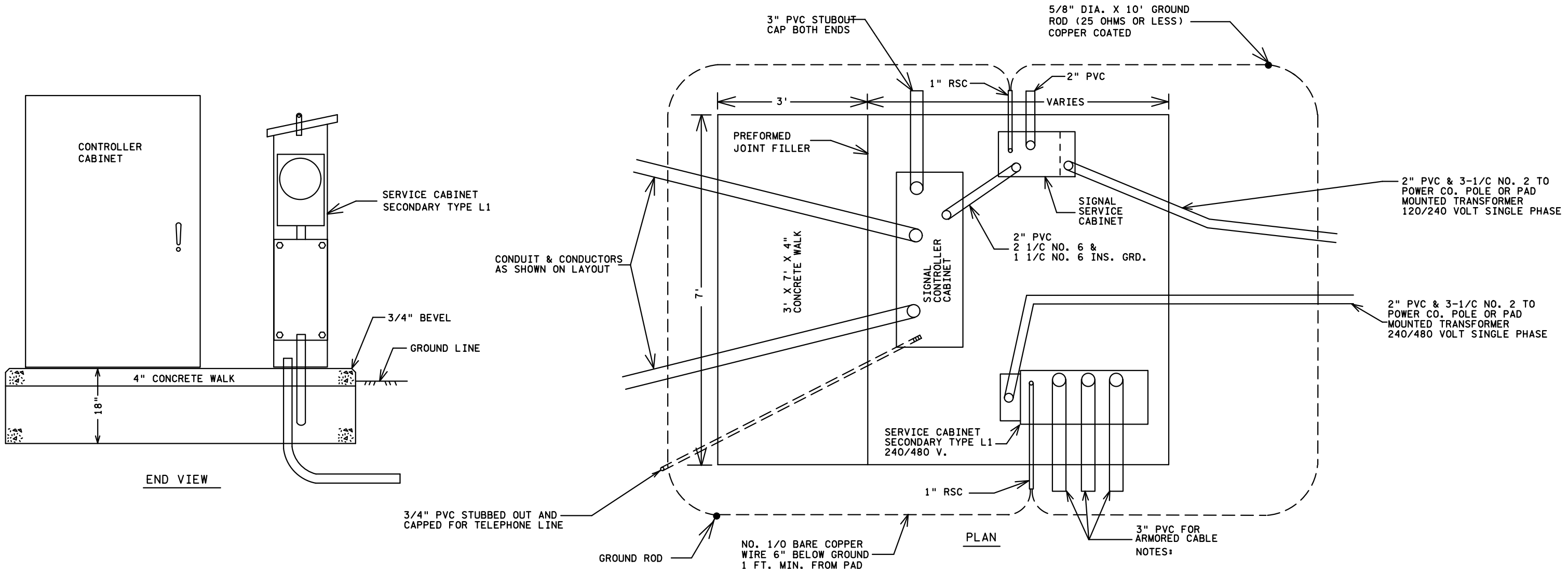
BY	DATE	REVISIONS	SYSTEM ID: 38426	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	12-02-15	PLAN UPDATES	METER ADDRESS: 8400 DELL ROAD		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.212)	SHEET NO.	2 OF 4 SHEETS

**MATCHLINES LAYOUT**  
TH 212 AT DELL RD/LINWOOD CT N RAMP  
IN EDEN PRAIRIE, HENNEPIN COUNTY



# Equipment Pad

PLOTTED/REVISED: 12/2/2015



DISTRICT #: METRO  
 IPLOT NAME: T38426D.sgl  
 PATH & FILENAME: IP\_FWP-d0784958\T38426D.sgl.dgn

BY	DATE	REVISIONS	SYSTEM ID: 38426	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE:
EJA	12-02-15	PLAN UPDATES	METER ADDRESS: 8400 DELL ROAD		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID:	T.E.	<b>EQUIPMENT PAD LAYOUT</b> <b>TH 212 AT DELL RD/LINWOOD CT N RAMP</b> <b>IN EDEN PRAIRIE, HENNEPIN COUNTY</b>			
					STATE PROJ. NO.	(T.H.212)	SHEET NO.	3 OF 4 SHEETS