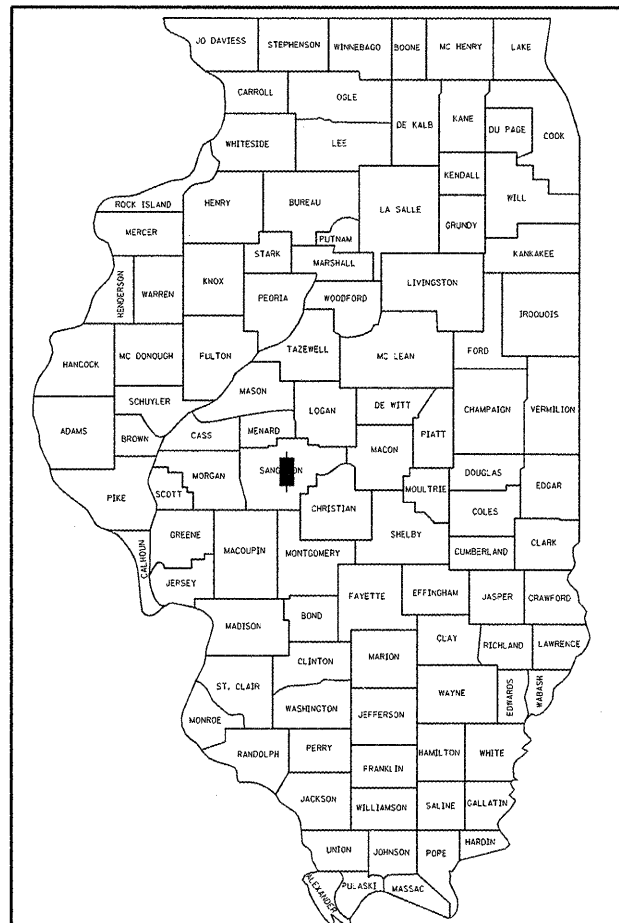


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**
FA ROUTE: VARIOUS
SECTION: D6 TRAF SIGNAL MOD 2011-1
PROJECT: HSIP-0005(867)
TRAFFIC SIGNAL MODERNIZATION
SANGAMON COUNTY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D6 TRAF SIGNAL MOD 2011-1	SANGAMON	42	1
CONTRACT NO. 72E38				

D-96-066-11



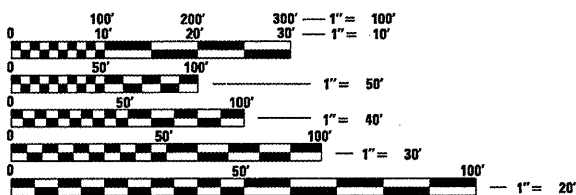
LOCATION OF SECTION INDICATED THUS: —

INDEX OF SHEETS

- 1 COVER SHEET
- 2-3 SUMMARY OF QUANTITIES
- 4 TRAFFIC SIGNAL LEGEND
- 5-22 INTERCONNECT PLAN
- 23-40 CABLE PLAN
- 41 SIGNING DETAILS
- 42 UPS SYSTEM DETAILS

STANDARDS

- 701201-04 720016-02
- 701301-04 814001-02
- 701422-03 862001-01
- 701501-06 873001-02
- 701606-07 877001-04
- 701701-07 878001-08
- 701901-01 880006-01



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

SENIOR TEAM LEADER: MARK DUST (217) 785-0597
TEAM ENGINEER: MARK DUST (217) 785-0597
CONSULTING ENGINEER: HOELSCHER ENGINEERING, P.C.
JEFF ANTONACCI/WILLIAM DAVISON (217) 698-8610
CONTRACT NO. 72E38

STA. EQUATION: STA. 198+73.88 BK. =
STA. 198+87.08 AH. IL RTE. 4

STA. EQUATION: STA. 215+07.94 BK. =
STA. 215+08.90 AH. IL RTE. 4

END SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 30+90.00
MONROE ST.

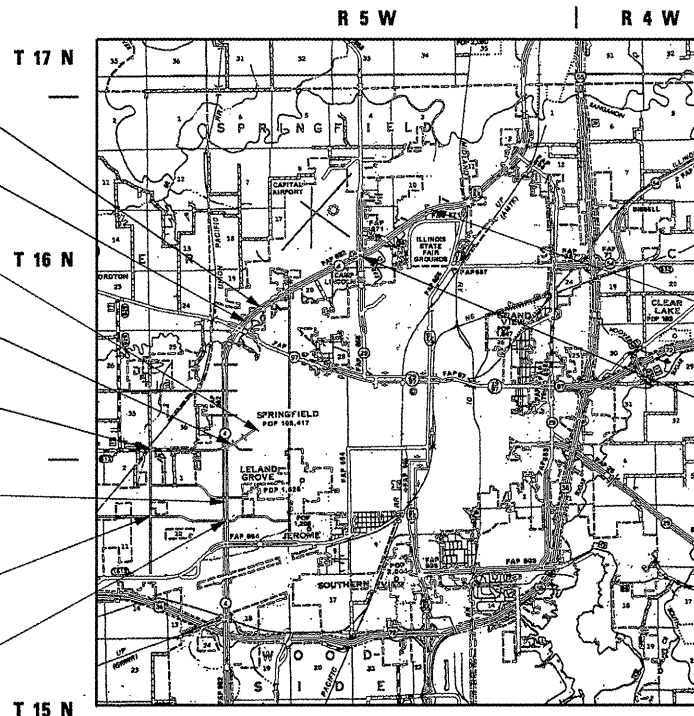
STA. EQUATION: STA. 56+56.47 BK. =
STA. 6+56.47 AH. MONROE ST.

BEGIN SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 23+50.00
OLD JACKSONVILLE RD.

END SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 377+10.00
IL RTE. 4 (VETERANS PKWY.)

BEGIN SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 4+30.00 ILES AVE.

END SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 19+13.00 ILES AVE.



0 2 MI. 4 MI.

FAP 662 (IL 4 /VETERANS PKWY.) - OTHER PRINCIPAL ARTERIAL
ADT - 30,200 (2009), 37,291 (2030)
DESIGN/POSTED SPEED - 50 MPH /45 MPH

NET LENGTH = 34,169.28 FT. = 6.471 MI.
GROSS LENGTH = 34,169.28 FT. = 6.471 MI.



BEGIN SECTION DIST. 6
TRAFFIC SIGNAL MOD 2011-1
STA. 264+95.00
IL RTE. 4 (VETERANS PKWY.)

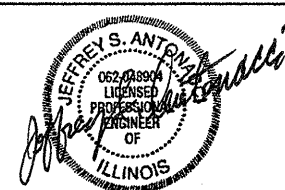
STA. EQUATION: STA. 199+52.07 EB =
STA. 100+70.49 WB IL RTE. 4



11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-8610
(217) 698-8608 (fax)

115 North Neil Street, Suite 105
Champaign, Illinois 61820
(217) 351-8610
(217) 351-8611 (fax)



DATE: 8-24-2011
LICENSE EXP. 11/30/2011

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 25, 2011
By: R. D. O'Neil
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 14, 2011
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

Oct 14, 2011
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	URBAN	Veterans Interconnect Peoria Rd to Browning Road 90% Fed 10% State	Veterans Pkwy and Bruns Lane 90% Fed 5% State 5% City	Veterans Pkwy and Palomino Road 90% Fed 5% State 5% City	Veterans Interconnect - Palomino to Washington 90% Fed 10% State	Veterans Pkwy and Lawrence Avenue 90% Fed 5% State 5% City	Monroe Interconnect - Clocktower to Mountcastle 90% Fed 5% State 5% City	Old Jacksonville Interconnect - Veterans to Koke Mill 90% Fed 5% State 5% City	Veterans Interconnect - Monroe to Wabash Fed 90% State 10%	Iles Interconnect - White Oaks Plaza to Koke Mill 90% Fed 5% State 5% City	Wabash Avenue and Koke Mill 90% Fed 5% State 5% City
			CONSTRUCTION CODE										
			SFTY 0021										
			TOTAL	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
44004250	PAVED SHOULDER REMOVAL	SQ YD	27			27							
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	27			27							
60618300	CONCRETE MEDIAN SURFACE, 4-INCH	SQ FT	473		219	76		158		10	10		
67100100	MOBILIZATION	L SUM	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
72000100	SIGN PANEL, TYPE 1	SQ FT	18			18							
72400710	RELOCATE SIGN PANEL, TYPE 1	SQ FT	90		36	18		36					
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	11,518	3,334						2,359	4,245	1,580	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	808		173	182		68	90	70		225	
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2", GALVANIZED STEEL	FOOT	410	410									
81300830	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x18"x8"	EACH	4	2			2						
81400100	HANDHOLE	EACH	7				2	2		1		2	
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	26	6			1			5	10	4	
81500130	GULFBOX JUNCTION REMOVAL	EACH	3				2					1	
86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	6	3	1	1	1						
86400100	TRANSCEIVER - FIBER OPTIC	EACH	4						1	1		2	
87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	24,043	4,614		201	7,027		2,159	2,958	4,665	2,419	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 2C	FOOT	71					71					
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C	FOOT	2,870		1,179	1,237		454					
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7C	FOOT	958			600		358					
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 9C	FOOT	479			479							
87301275	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 12C	FOOT	358					358					
87301290	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 18, 3/C	FOOT	420					420					
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6, 1C	FOOT	2,060		849	1,211							
87502680	TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.	EACH	2			2							
87502690	TRAFFIC SIGNAL POST, ALUMINUM, 15 FT.	EACH	2			2							
87502700	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.	EACH	8		4	2		2					
87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1			1							
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1		1								
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1			1							
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1			1							
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1		1								

NOT TO SCALE

FILE NAME = c:\pwwork\pwwork\sparksgw\d0278783\0672E38 sht 500.dgn	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1" =	DRAWN - BDM	REVISED -			VAR.	*	SANGAMON	42	2
	PLOT DATE = Aug-25-2011 09:59:58AM	CHECKED - JSA	REVISED -			* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38				
	DATE = 7/15/09	REVISED -	ILLINOIS FED. AID PROJECT							

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION	Veterans interconnect Peoria Rd to Browning Road 90% Fed 10% State	Veterans Pkwy and Bruns Lane 90% Fed 5% State 5% City	Veterans Pkwy and Palomino Road 90% Fed 5% State 5% City	Veterans interconnect - Palomino to Washington 90% Fed 10% State	Veterans Pkwy and Lawrence Avenue 90% Fed 5% State 5% City	Monroe interconnect - Clocktower to Mountcastle 90% Fed 5% State 5% City	Old Jacksonville interconnect - Veterans to Koke Mill 90% Fed 5% State 5% City	Veterans interconnect - Monroe to Wabash 90% Fed 10% State 10% City	Iles interconnect - White Oaks Plaza to Koke Mill 90% Fed 5% State 5% City	Wabash Avenue and Koke Mill 90% Fed 5% State 5% City
			CODE										
			SFTY 0021										
			TOTAL	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1							
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	3		1			2					
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1								
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	30		12	12		6					
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	20		10	10							
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	96		37	33		26					
87900200	DRILL EXISTING HANDHOLE	EACH	13	1	4	4				2	2		
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2							
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12		4	4		4					
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4		2	2							
88040230	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3		1	2							
88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2			2							
88040310	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	2		1			1					
88040320	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1		1								
88040330	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1								
88040360	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1					1					
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNT, COUNTDOWN TIMER	EACH	1					1					
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	27		11	10		6					
88800100	PEDESTRIAN PUSH-BUTTON	EACH	1					1					
89502200	MODIFY EXISTING CONTROLLER	EACH	2		1	1							
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	8	2			2				2	1	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	11,600		1,141	1,963	7,027	1,469					
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	838		518	320							
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3		1	1		1					
89502380	REMOVE EXISTING HANDHOLE	EACH	1				1						
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10		4	4		2					
X0323986	RELOCATE EXISTING VIDEO VEHICLE DETECTOR	EACH	2					2					
X0325469	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	43				10	4			29		
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	477		219	76		162		10	10		
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
X8130115	DRILL EXISTING JUNCTION BOX	EACH	1	1									
X8804030	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3		1	2							

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	DRAWN - BDM	REVISED -	VAR.						*	SANGAMON	42	3	
	PLOT SCALE : 40.0000 ' / 1" =	CHECKED - JSA	REVISED -						* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38				
	PLOT DATE : Aug-25-2011 09:00:06AM	DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT				
	SCALE:		SHEET NO.						OF	SHEETS	STA.	TO STA.	

PLAN SHEET SYMBOLS

EXISTING	PROPOSED	
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		VIDEO VEHICLE DETECTOR CAMERA
		PEDESTRAIN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		COMBINATION SIGNAL AND LIGHT POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
		LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING)
		SIZE - TYPE (S=STEEL P=PVC)
		CONDUIT SPLICE
		SPAN WIRE/TETHER WIRE
		56 ——— SIDEWALK REMOVAL IN SQ. FT.
		40 ——— PCC SIDEWALK, 4 INCH IN SQ. FT.
		32 ——— PCC SIDEWALK, 4 INCH (SPECIAL) IN SQ. FT.

CABLE PLAN SYMBOLS

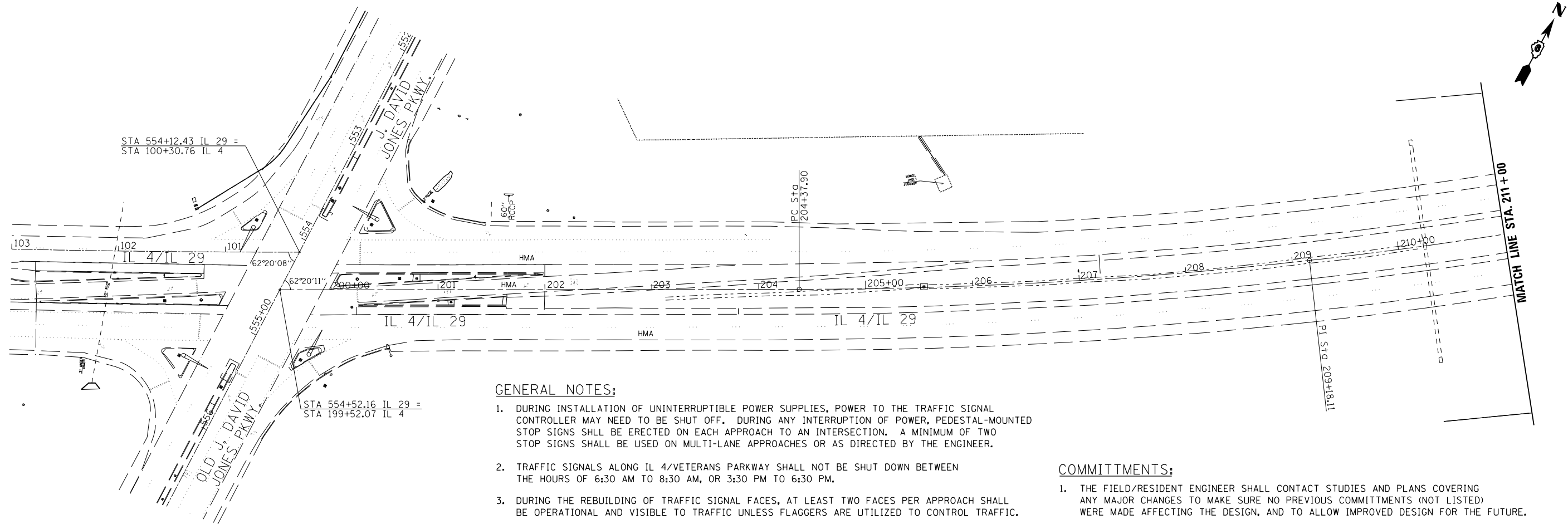
EXISTING	PROPOSED	
		8" SIGNAL SECTION
		12" SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		9" PEDESTRIAN SIGNAL FACE
		12" PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R=RED W=WHITE Y=YELLOW G=GREEN B=BLUE O=ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO CAMERA
		STEEL TWIN TENON
		EMERGENCY VEHICLE PREEMPTOR
		PEDESTRIAN SIGNAL HEAD

EXAMINED August 9 20 11
2RM L
PROGRAM DEVELOPMENT ENGINEER

EXAMINED Aug 9 20 11
Jelly
PROJECT IMPLEMENTATION ENGINEER

DISTRICT SIX
EXAMINED August 22 20 11
Chris Walker
OPERATIONS ENGINEER

	USER NAME = default	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL LEGEND				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	4
	PLOT SCALE = 40.0000' / IN.	CHECKED - JSA	REVISED -		* D6 TRAF SIGNAL MOD 2011-1		CONTRACT NO. 72E38						
	PLOT DATE = 8/22/2011	DATE = 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

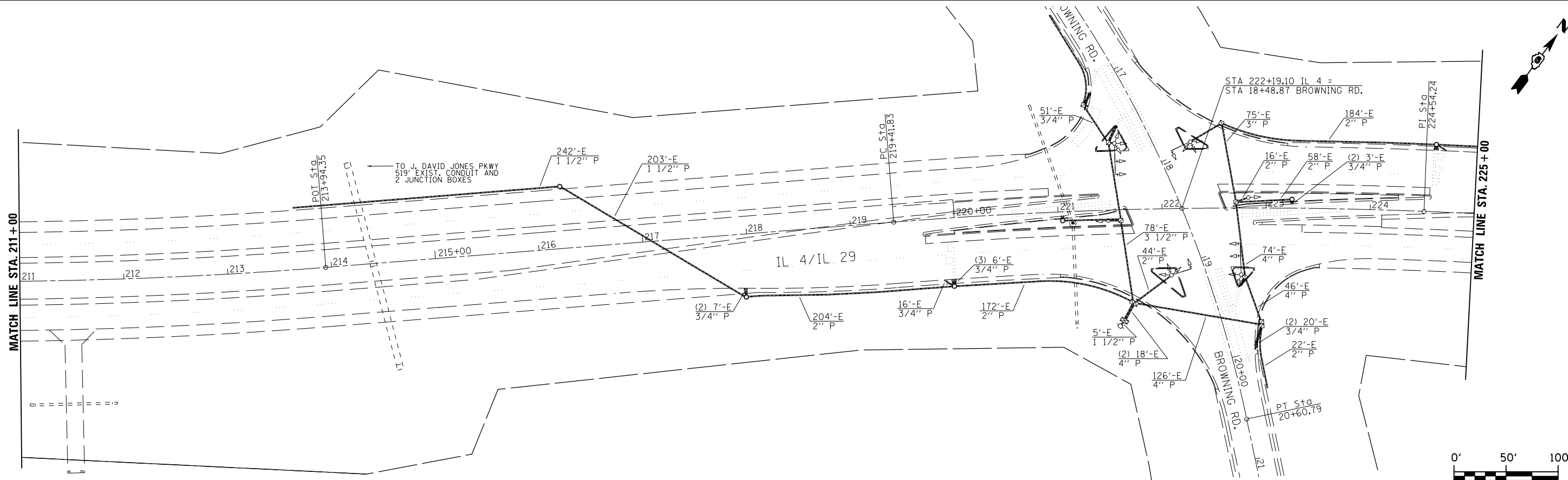


GENERAL NOTES:

1. DURING INSTALLATION OF UNINTERRUPTIBLE POWER SUPPLIES, POWER TO THE TRAFFIC SIGNAL CONTROLLER MAY NEED TO BE SHUT OFF. DURING ANY INTERRUPTION OF POWER, PEDESTAL-MOUNTED STOP SIGNS SHLL BE ERECTED ON EACH APPROACH TO AN INTERSECTION. A MINIMUM OF TWO STOP SIGNS SHALL BE USED ON MULTI-LANE APPROACHES OR AS DIRECTED BY THE ENGINEER.
2. TRAFFIC SIGNALS ALONG IL 4/VETERANS PARKWAY SHALL NOT BE SHUT DOWN BETWEEN THE HOURS OF 6:30 AM TO 8:30 AM, OR 3:30 PM TO 6:30 PM.
3. DURING THE REBUILDING OF TRAFFIC SIGNAL FACES, AT LEAST TWO FACES PER APPROACH SHALL BE OPERATIONAL AND VISIBLE TO TRAFFIC UNLESS FLAGGERS ARE UTILIZED TO CONTROL TRAFFIC.

COMMITMENTS:

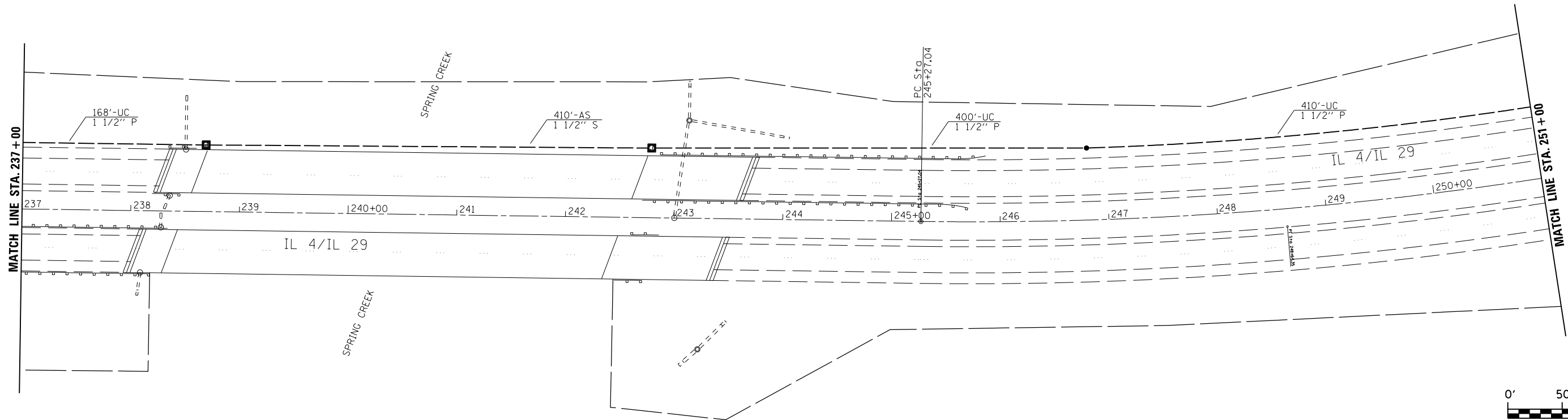
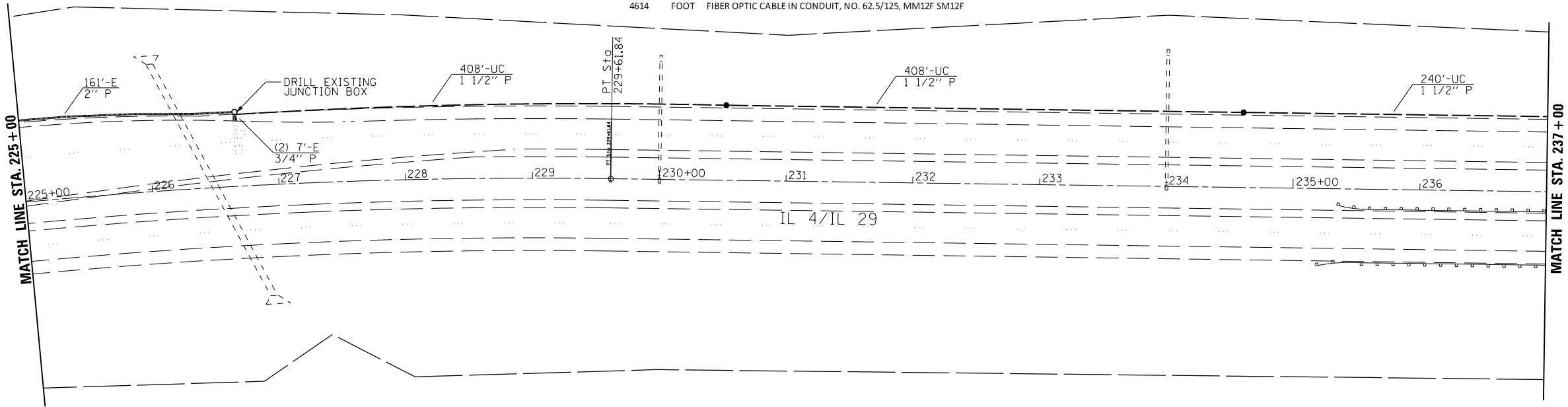
1. THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS COVERING ANY MAJOR CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVED DESIGN FOR THE FUTURE.



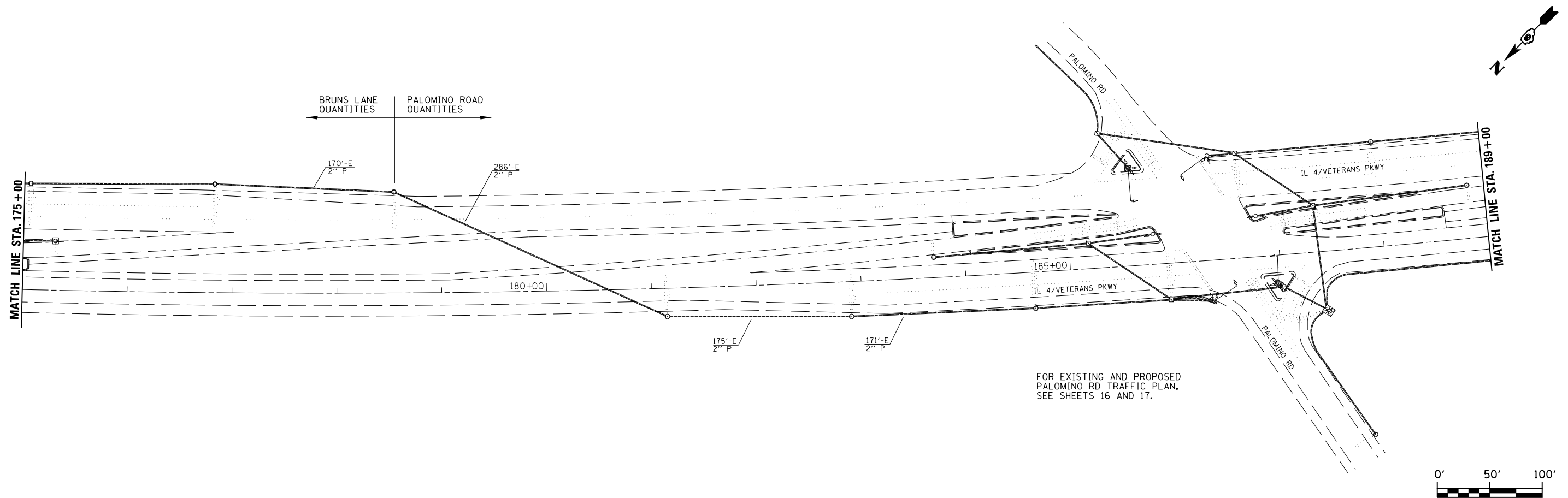
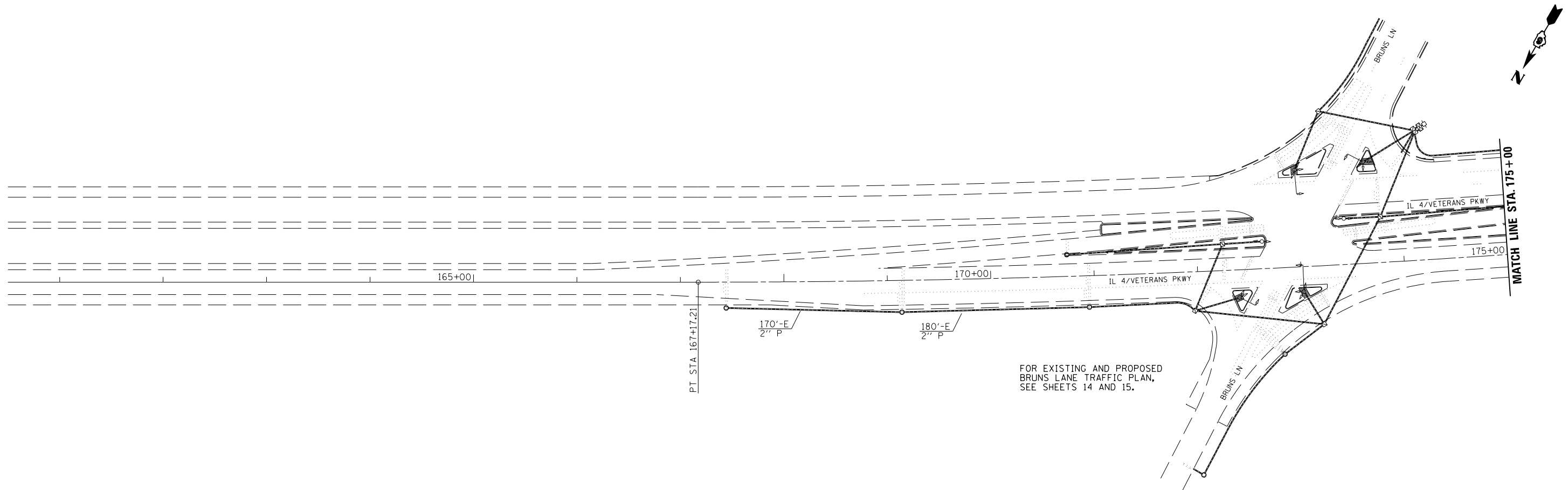
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	DRAWN - BDM		CHECKED - JSA	REVISED -		SCALE:				VAR.	*	SANGAMON	42	5
	PLOT SCALE = 100.0000' / in.		DATE - 7/15/09	REVISED -		SHEET NO. OF SHEETS STA. TO STA.				* D6 TRAF SIGNAL MOD 2011-1				
	PLOT DATE = Aug-25-2011 02:55:35PM									ILLINOIS FED. AID PROJECT				



VETERANS PARKWAY BROWNING RD. TO 8TH ST. QUANTITIES		
QUANTITY	UNIT	ITEM
3334	FOOT	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
410	FOOT	GALVANIZED STEEL CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA.
2	EACH	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x18"x8"
6	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
3	EACH	UNINTERRUPTIBLE POWER SUPPLY
2	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	DRILL EXISTING HANDHOLE
1	EACH	DRILL EXISTING JUNCTION BOX
4614	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F

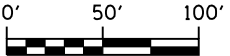
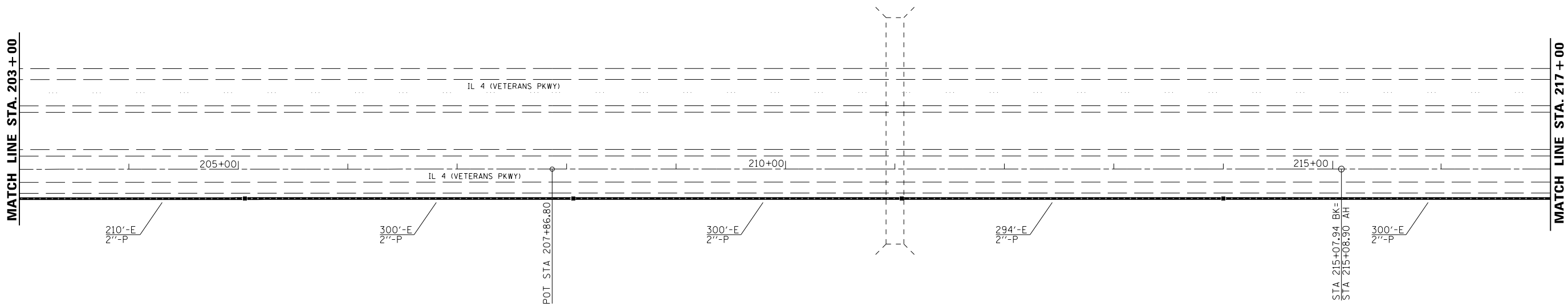
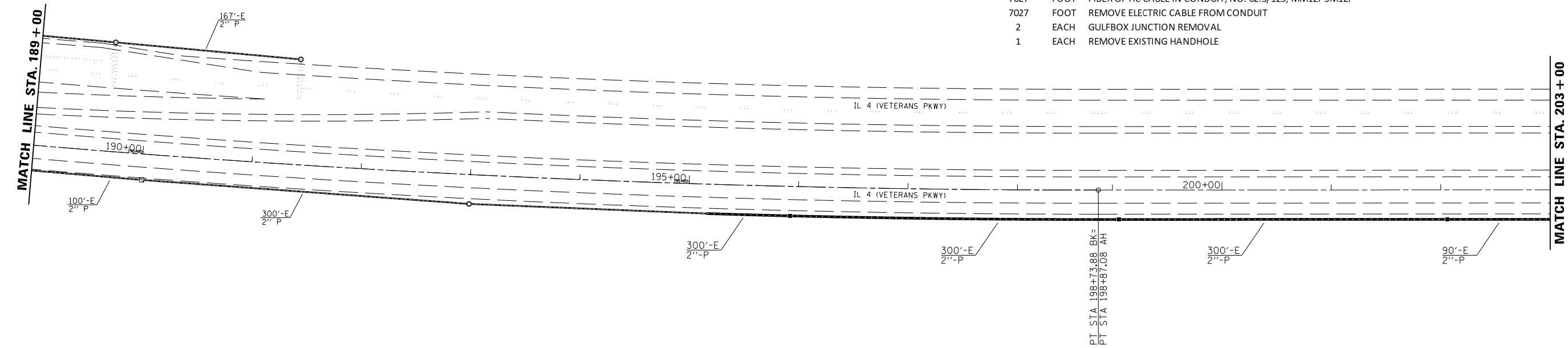


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	PLOT SCALE = 100.0000' / in.	DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	6
	PLOT DATE = Aug-25-2011 09:05:54AM	CHECKED - JSA	REVISED -		* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38								
	DATE - 7/15/09	REVISED -	ILLINOIS FED. AID PROJECT										
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				

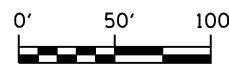
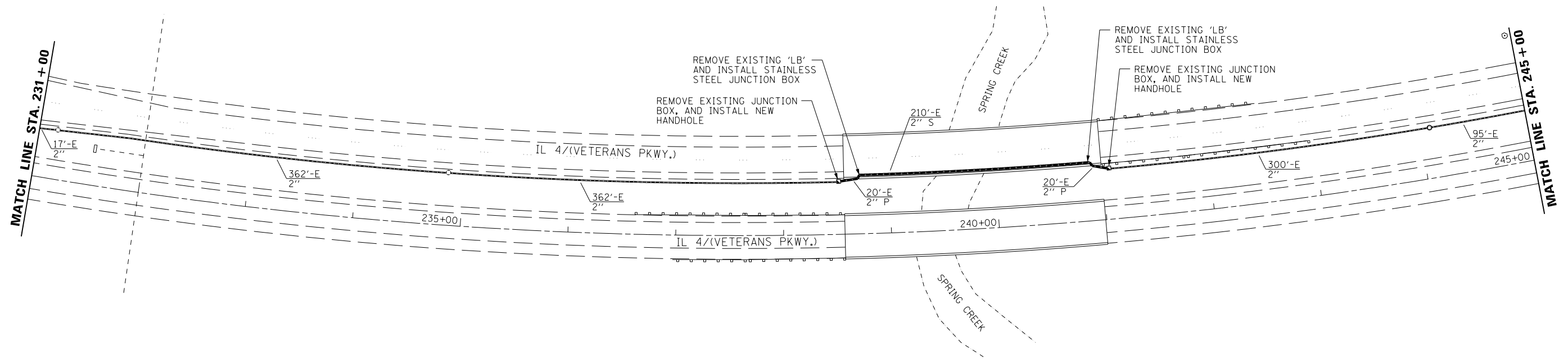
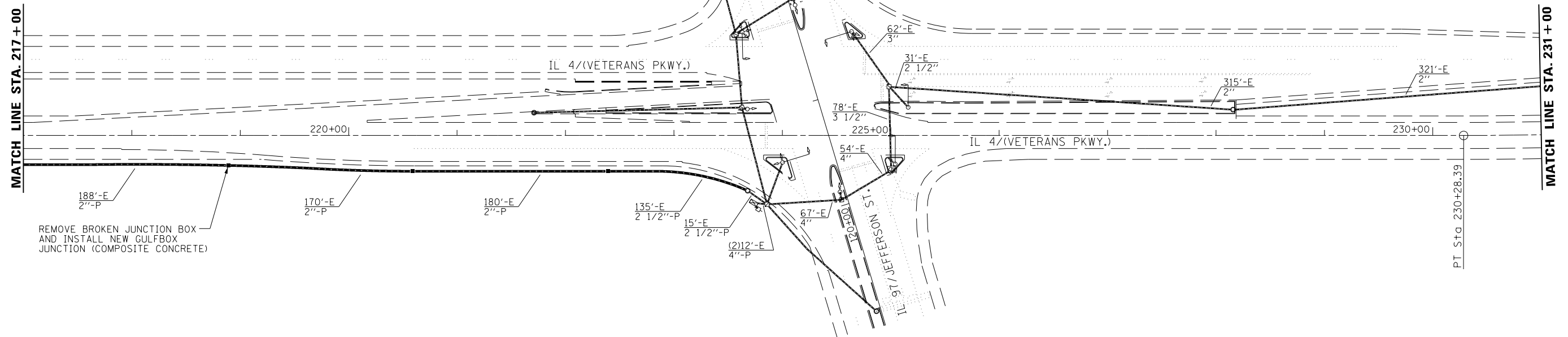


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		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	8
	PLOT SCALE = 100.0000 ' / in.	CHECKED - JSA	REVISED -						* D6 TRAF SIGNAL MOD 2011-1		CONTRACT NO. 72E38		
	PLOT DATE = Aug-25-2011 09:06:03AM	DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

VETERANS PARKWAY PALOMINO TO WASHINGTON INTERCONNECT QUANTITIES		
QUANTITY	UNIT	ITEM
2	EACH	MODIFY EXISTING CONTROLLER CABINET
2	EACH	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18"x 18"x8"
2	EACH	HANDHOLE
1	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
7027	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
7027	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
2	EACH	GULFBOX JUNCTION REMOVAL
1	EACH	REMOVE EXISTING HANDHOLE

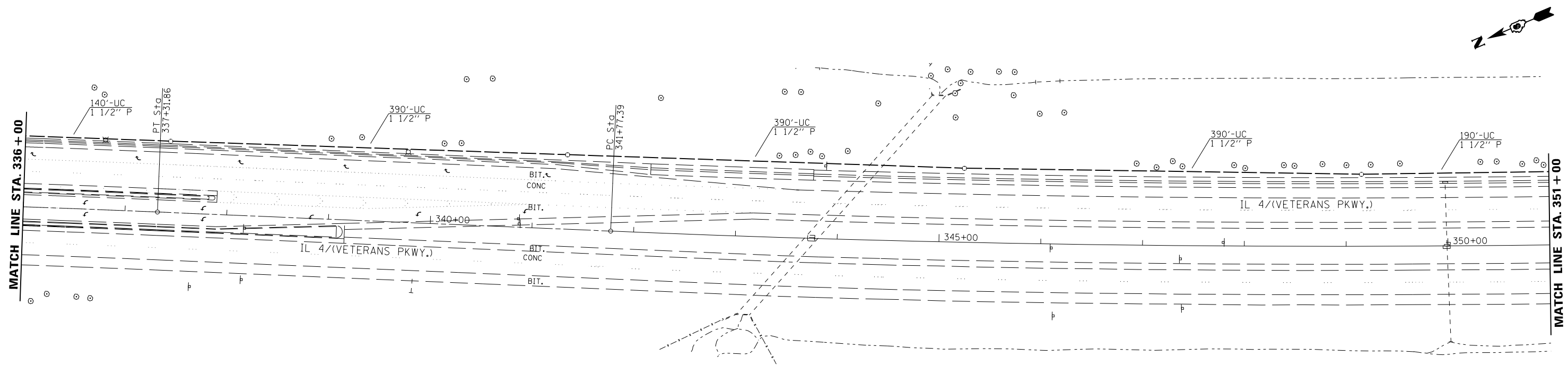
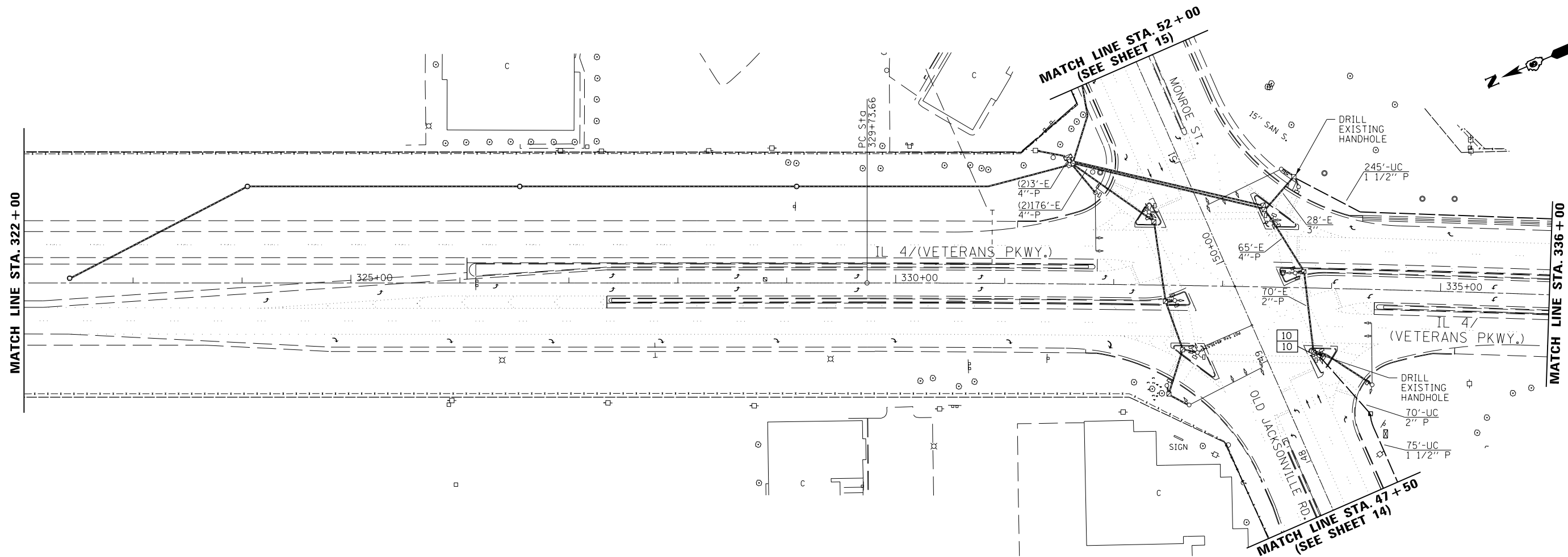


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		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	9
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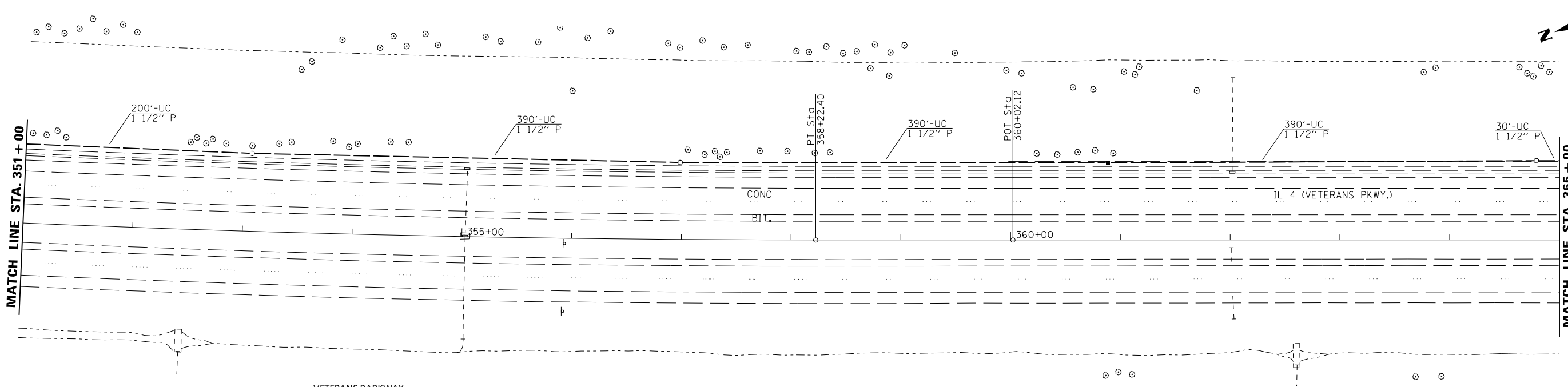


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	DRAWN - BDM	CHECKED - JSA	REVISED -					VAR.	*	SANGAMON	42	10
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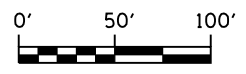
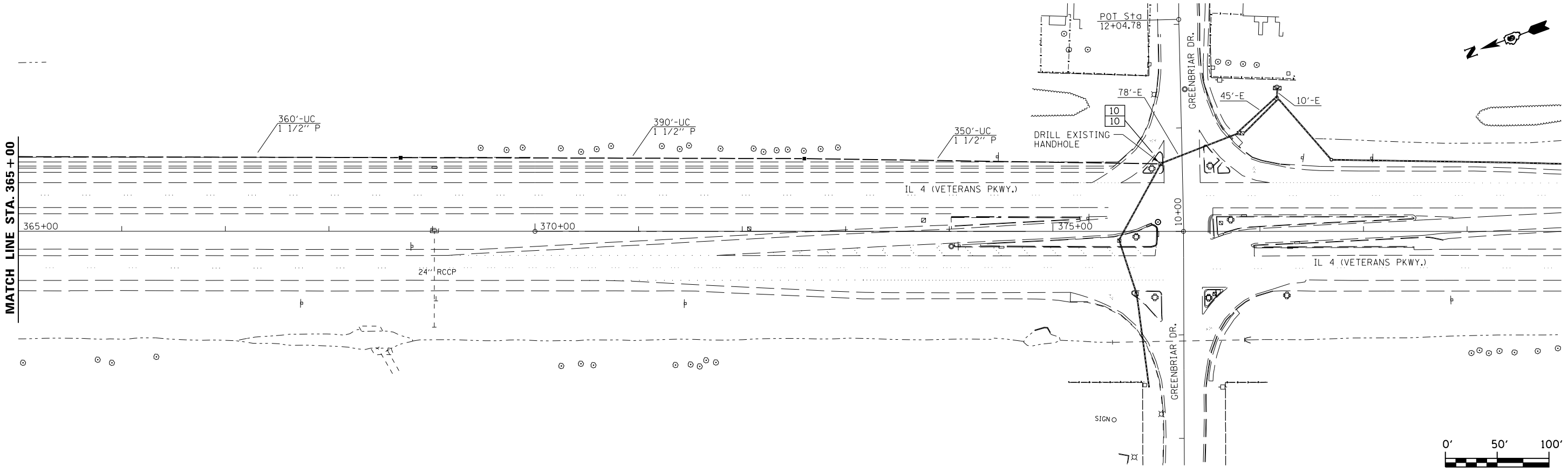
SCALE: SHEET NO. OF SHEETS STA. TO STA.



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	DRAWN - BDM			CHECKED - JSA	REVISED -		SCALE:			VAR.	*	SANGAMON	42	12
	PLOT SCALE = 100.0002' / in.			DATE - 7/15/09	REVISED -		SHEET NO. OF SHEETS STA. TO STA.			* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38				
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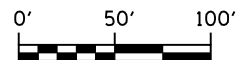
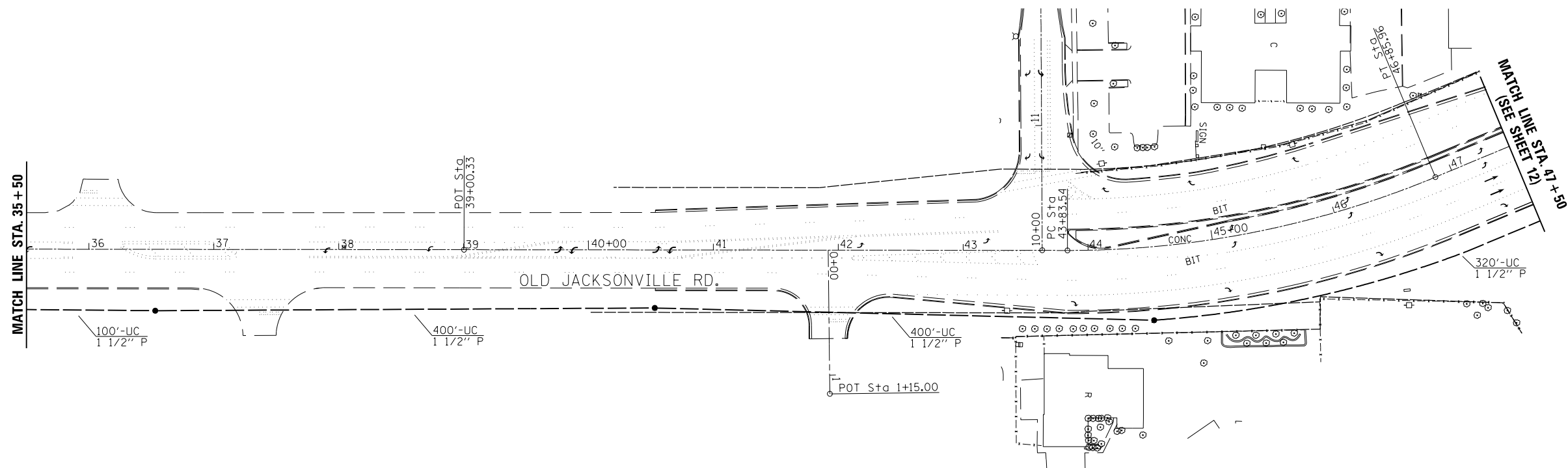
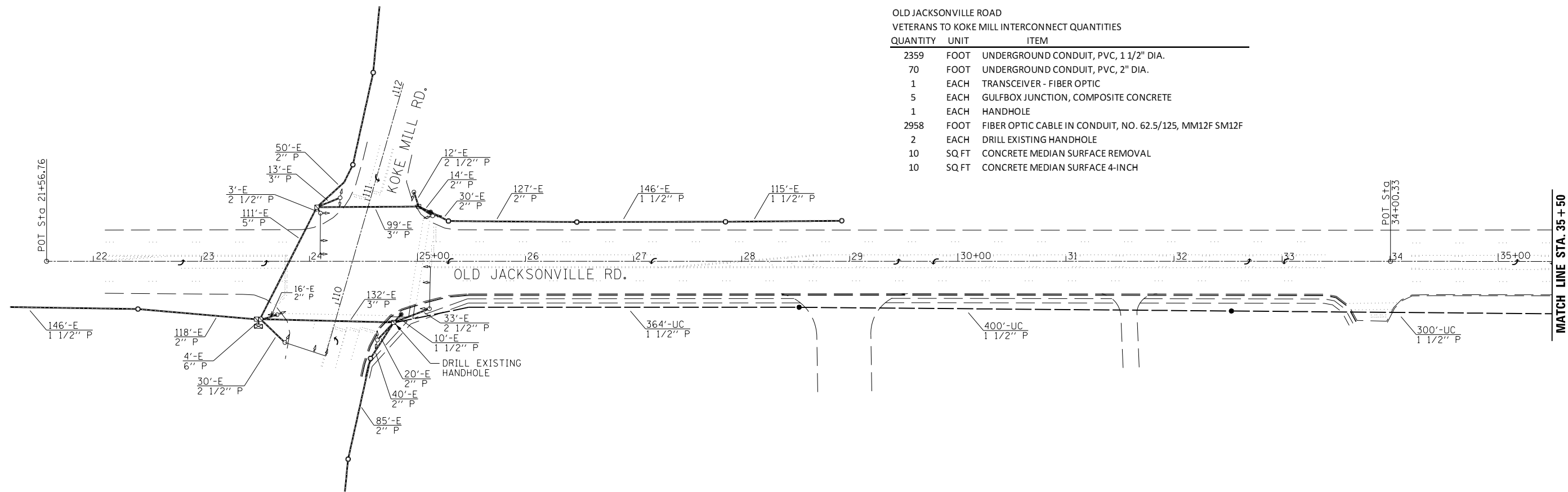
VETERANS PARKWAY MONROE TO WABASH INTERCONNECT QUANTITIES		
QUANTITY	UNIT	ITEM
4245	FOOT	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
2	EACH	MODIFY EXISTING CONTROLLER CABINET
10	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
4665	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
2	EACH	DRILL EXISTING HANDHOLE
10	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
10	SQ FT	CONCRETE MEDIAN SURFACE 4-INCH



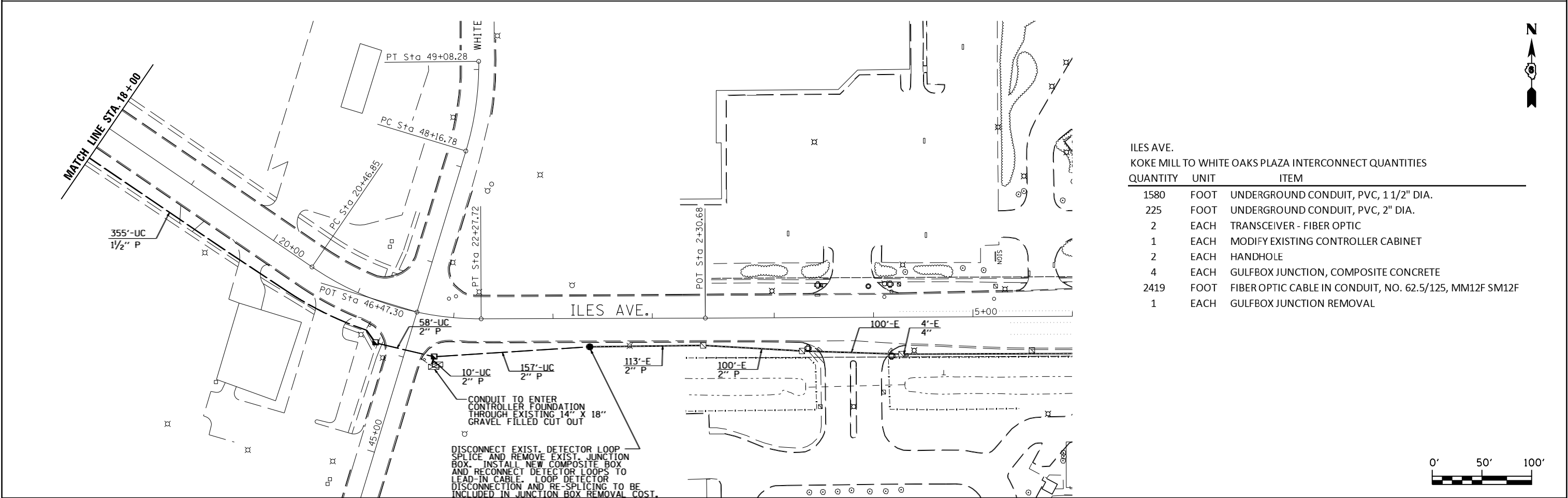
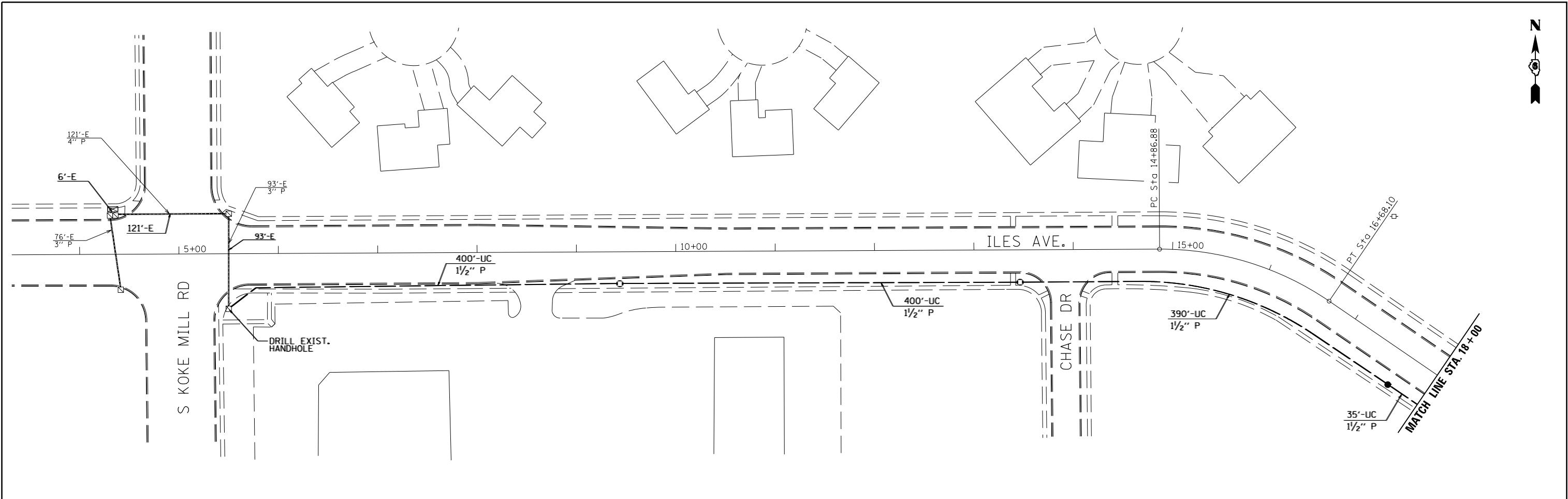
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	PLOT SCALE = 100.0000' / in.	DRAWN - BDM	REVISED -					VAR.	*	SANGAMON	42	13
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	DATE - 7/15/09	REVISED -	ILLINOIS FED. AID PROJECT									
SCALE:					SHEET NO.	OF	SHEETS	STA.	TO	STA.		



OLD JACKSONVILLE ROAD VETERANS TO KOKE MILL INTERCONNECT QUANTITIES		
QUANTITY	UNIT	ITEM
2359	FOOT	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
70	FOOT	UNDERGROUND CONDUIT, PVC, 2" DIA.
1	EACH	TRANSCEIVER - FIBER OPTIC
5	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
1	EACH	HANDHOLE
2958	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
2	EACH	DRILL EXISTING HANDHOLE
10	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
10	SQ FT	CONCRETE MEDIAN SURFACE 4-INCH

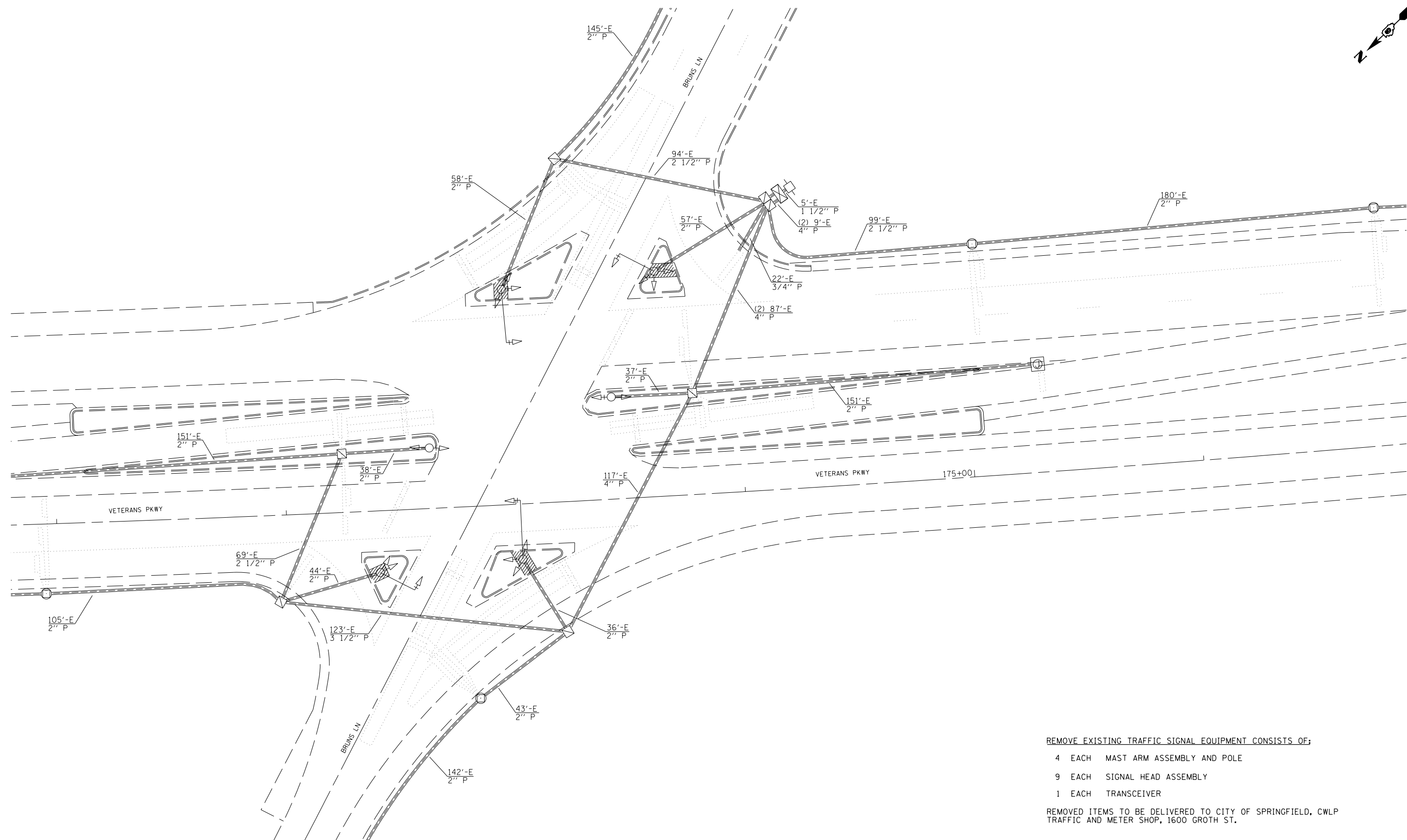
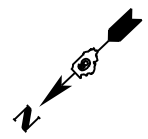


	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN VETERANS PKWY. FROM OLD JACKSONVILLE RD. TO KOKE MILL RD.					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -			VAR.	*	SANGAMON	42	14				
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	PLOT DATE = Aug-25-2011 09:06:37AM	DATE - 7/15/09	REVISED -		CONTRACT NO. 72E38									
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



ILES AVE.
KOKE MILL TO WHITE OAKS PLAZA INTERCONNECT QUANTITIES

QUANTITY	UNIT	ITEM
1580	FOOT	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
225	FOOT	UNDERGROUND CONDUIT, PVC, 2" DIA.
2	EACH	TRANSCEIVER - FIBER OPTIC
1	EACH	MODIFY EXISTING CONTROLLER CABINET
2	EACH	HANDHOLE
4	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
2419	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
1	EACH	GULFBOX JUNCTION REMOVAL



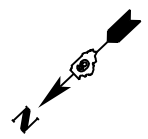
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- 4 EACH MAST ARM ASSEMBLY AND POLE
- 9 EACH SIGNAL HEAD ASSEMBLY
- 1 EACH TRANSCEIVER

REMOVED ITEMS TO BE DELIVERED TO CITY OF SPRINGFIELD, CWLP
TRAFFIC AND METER SHOP, 1600 GROTH ST.

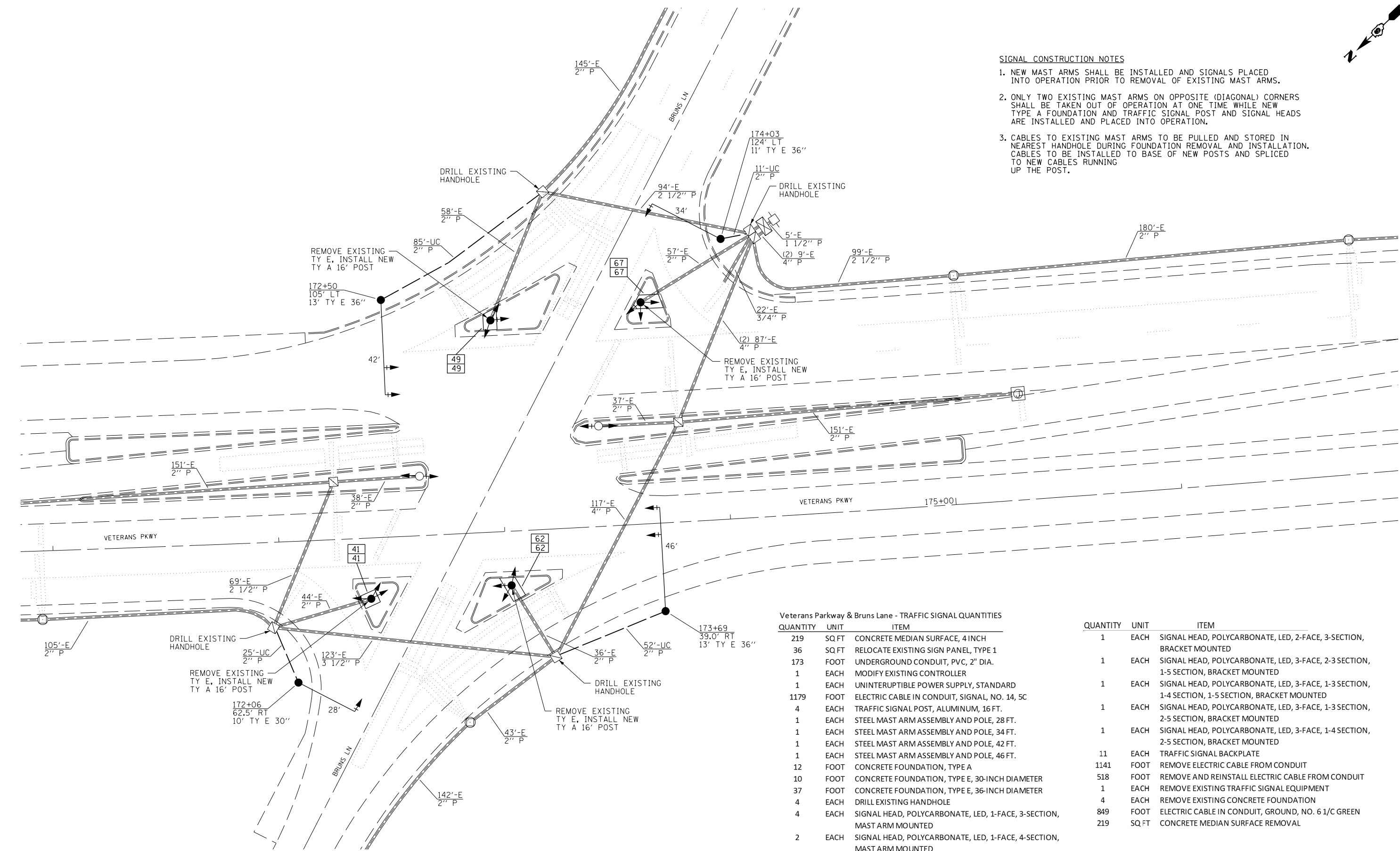


	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL PLAN VETERANS PKWY. & BRUNS LANE				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	17
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SIGNAL CONSTRUCTION NOTES

1. NEW MAST ARMS SHALL BE INSTALLED AND SIGNALS PLACED INTO OPERATION PRIOR TO REMOVAL OF EXISTING MAST ARMS.
2. ONLY TWO EXISTING MAST ARMS ON OPPOSITE (DIAGONAL) CORNERS SHALL BE TAKEN OUT OF OPERATION AT ONE TIME WHILE NEW TYPE A FOUNDATION AND TRAFFIC SIGNAL POST AND SIGNAL HEADS ARE INSTALLED AND PLACED INTO OPERATION.
3. CABLES TO EXISTING MAST ARMS TO BE PULLED AND STORED IN NEAREST HANDHOLE DURING FOUNDATION REMOVAL AND INSTALLATION. CABLES TO BE INSTALLED TO BASE OF NEW POSTS AND SPLICED TO NEW CABLES RUNNING UP THE POST.

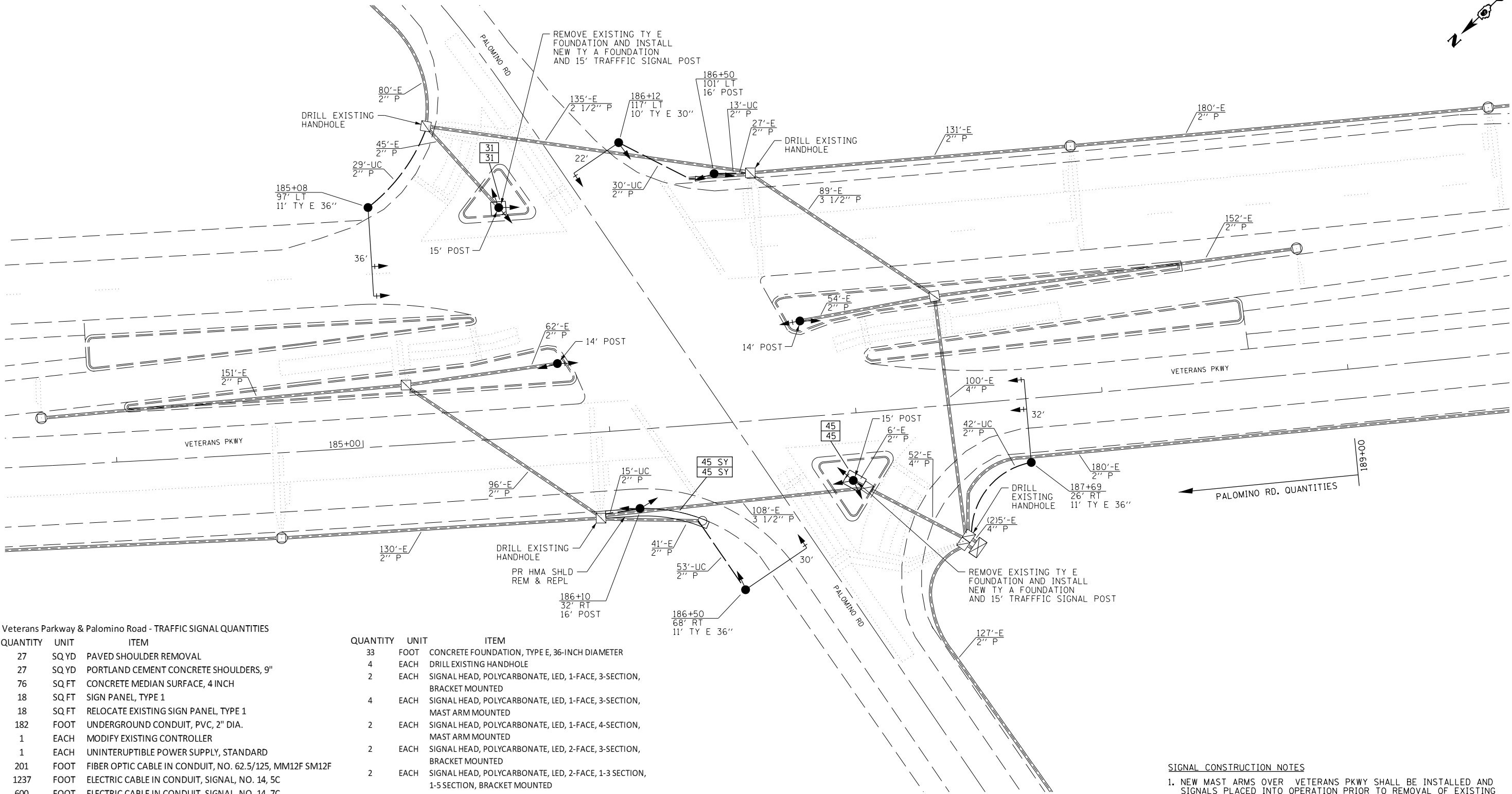


Veterans Parkway & Bruns Lane - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
219	SQ FT	CONCRETE MEDIAN SURFACE, 4 INCH
36	SQ FT	RELOCATE EXISTING SIGN PANEL, TYPE 1
173	FOOT	UNDERGROUND CONDUIT, PVC, 2" DIA.
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1179	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C
4	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
10	FOOT	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER
37	FOOT	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER
4	EACH	DRILL EXISTING HANDHOLE
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED

QUANTITY	UNIT	ITEM
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-4 SECTION, 2-5 SECTION, BRACKET MOUNTED
11	EACH	TRAFFIC SIGNAL BACKPLATE
1141	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
518	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
849	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1/C GREEN
219	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL





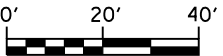
Veterans Parkway & Palomino Road - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
27	SQ YD	PAVED SHOULDER REMOVAL
27	SQ YD	PORTLAND CEMENT CONCRETE SHOULDERS, 9"
76	SQ FT	CONCRETE MEDIAN SURFACE, 4 INCH
18	SQ FT	SIGN PANEL, TYPE 1
18	SQ FT	RELOCATE EXISTING SIGN PANEL, TYPE 1
182	FOOT	UNDERGROUND CONDUIT, PVC, 2" DIA.
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
201	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
1237	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C
600	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7C
479	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 9C
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 14 FT.
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 15 FT.
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
12	FOOT	CONCRETE FOUNDATION, TYPE A
10	FOOT	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER

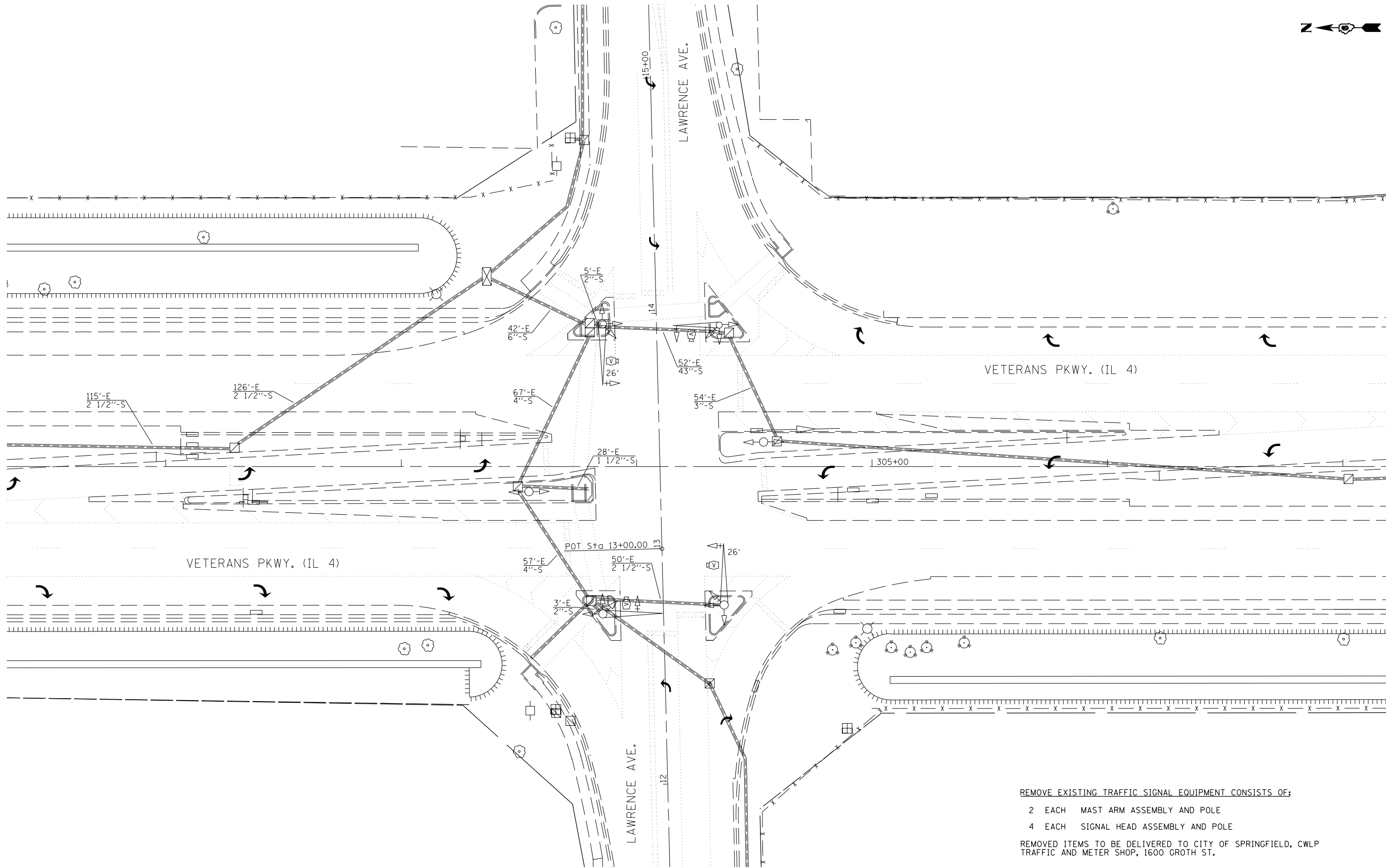
QUANTITY	UNIT	ITEM
33	FOOT	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER
4	EACH	DRILL EXISTING HANDHOLE
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED
10	EACH	TRAFFIC SIGNAL BACKPLATE
1963	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
320	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1211	FOOT	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1/C GREEN
76	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL

SIGNAL CONSTRUCTION NOTES

1. NEW MAST ARMS OVER VETERANS PKWY SHALL BE INSTALLED AND SIGNALS PLACED INTO OPERATION PRIOR TO REMOVAL OF EXISTING MAST ARMS.
2. TWO SIGNAL FACES PER APPROACH SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
3. CABLES TO MAST ARMS IN ISLANDS TO BE PULLED AND STORED IN NEAREST HANDHOLE AND INSTALLATION CABLES TO BE REINSTALLED TO BASE OF NEW POSTS AND SPLICED TO NEW CABLES RUNNING UP THE POST.



	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL PLAN VETERANS PKWY. & PALOMINO RD.				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	20	
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JSA	REVISED -						* D6 TRAF SIGNAL MOD 2011-1					CONTRACT NO. 72E38
	PLOT DATE = Aug-25-2011 09:07:03AM	DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT					
	SCALE:				SHEET NO.	OF	SHEETS	STA.	TO STA.					



REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- 2 EACH MAST ARM ASSEMBLY AND POLE
- 4 EACH SIGNAL HEAD ASSEMBLY AND POLE

REMOVED ITEMS TO BE DELIVERED TO CITY OF SPRINGFIELD, CWLP
TRAFFIC AND METER SHOP, 1600 GROTH ST.



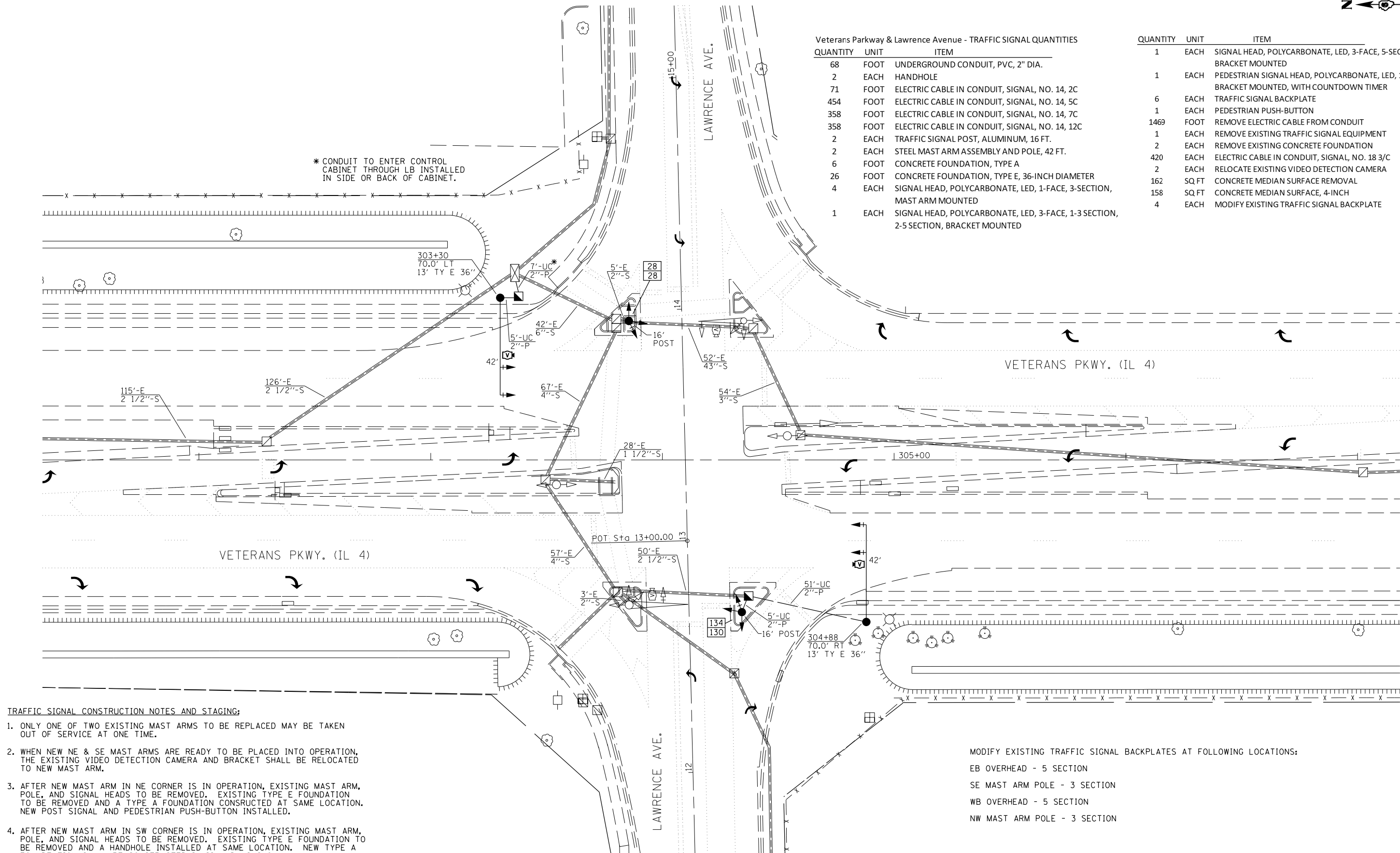
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		DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT				



Veterans Parkway & Lawrence Avenue - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
68	FOOT	UNDERGROUND CONDUIT, PVC, 2" DIA.
2	EACH	HANDHOLE
71	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 2C
454	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 5C
358	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 7C
358	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14, 12C
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.
6	FOOT	CONCRETE FOUNDATION, TYPE A
26	FOOT	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER
4	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED

QUANTITY	UNIT	ITEM
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER
6	EACH	TRAFFIC SIGNAL BACKPLATE
1	EACH	PEDESTRIAN PUSH-BUTTON
1469	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
420	EACH	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 18 3/C
2	EACH	RELOCATE EXISTING VIDEO DETECTION CAMERA
162	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
158	SQ FT	CONCRETE MEDIAN SURFACE, 4-INCH
4	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE

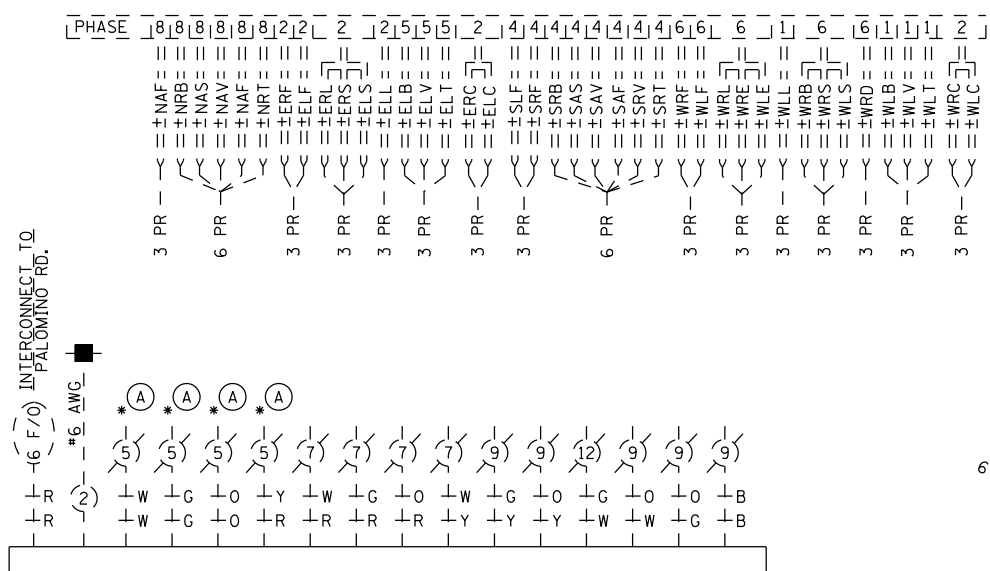



$$\begin{aligned} \text{OL B} &= 1+3-3G \\ \text{OL C} &= 3+2-2G \\ \text{OL D} &= 4+6-6G \end{aligned}$$

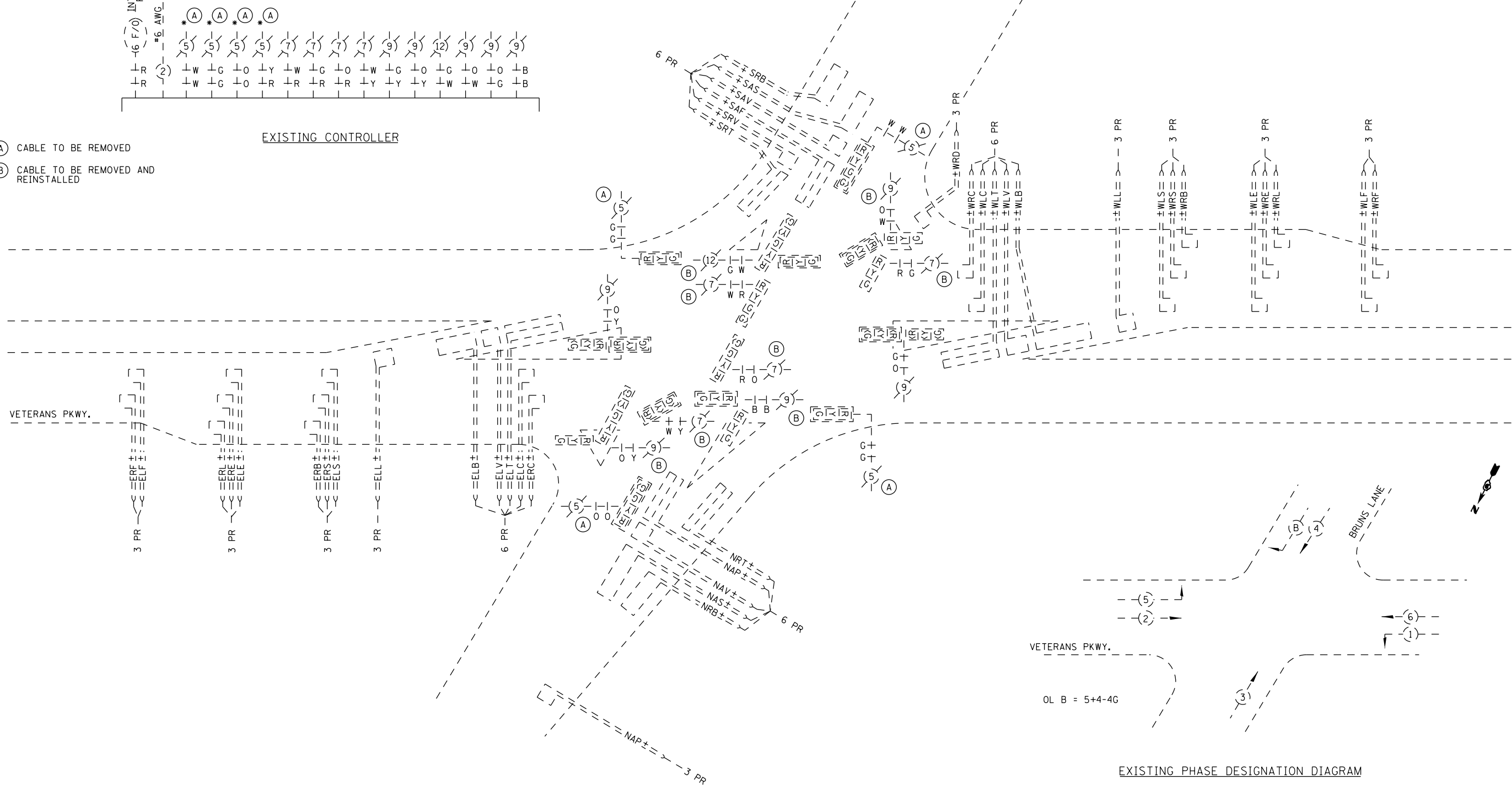
VETERANS PKWY.

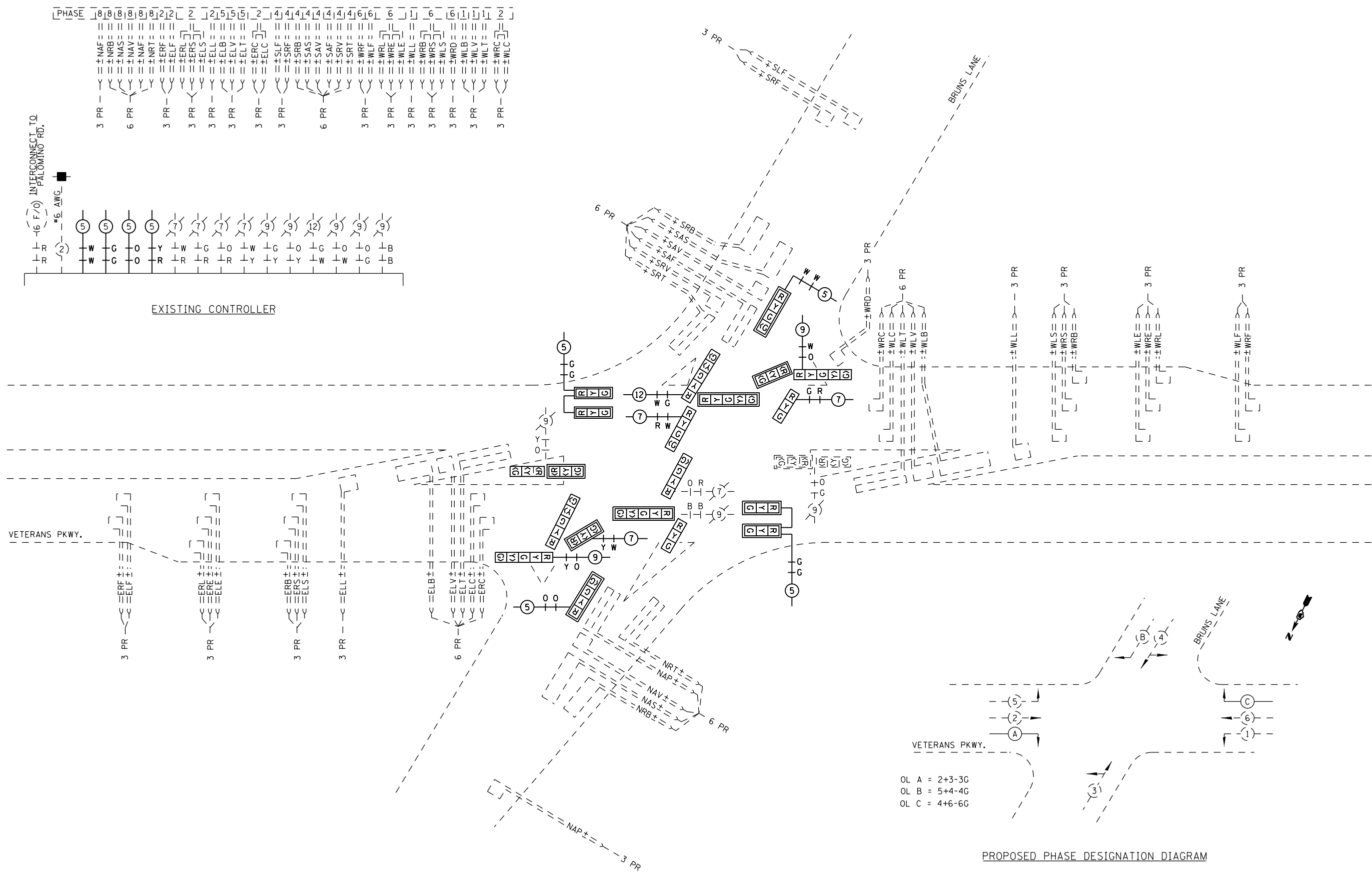
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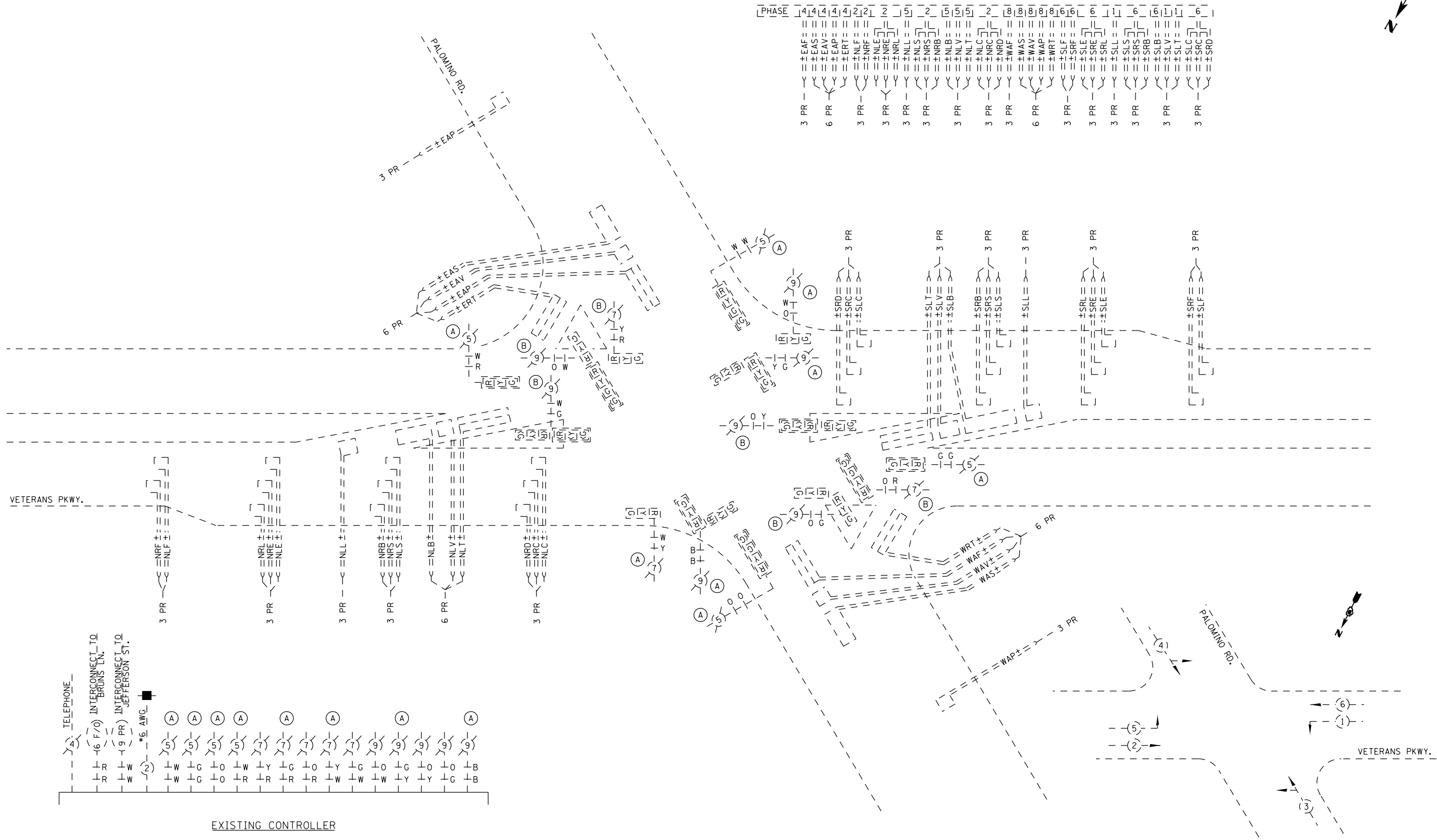




- (A) CABLE TO BE REMOVED
- (B) CABLE TO BE REMOVED AND REINSTALLED





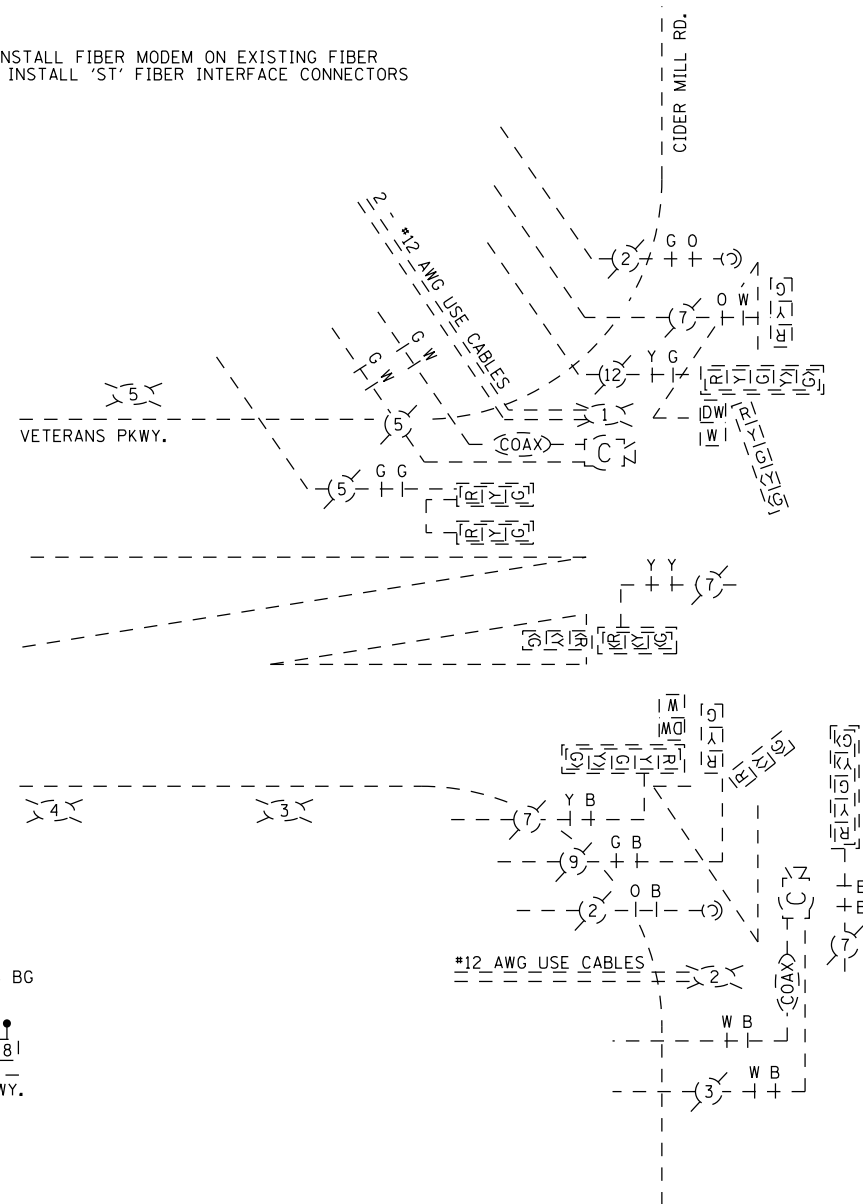
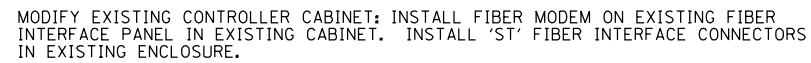


- (A) CABLE TO BE REMOVED
- (B) CABLE TO BE REMOVED AND REINSTALLED

EXISTING PHASE DESIGNATION DIAGRAM

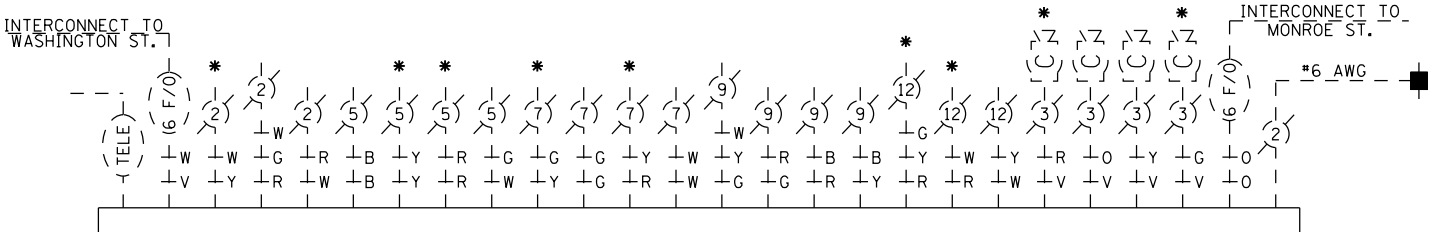
NOT TO SCALE

	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CABLE PLAN IL 4 (VETERANS PKWY.) & PALOMINO RD.					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -							VAR.	*	SANGAMON	42	27
	PLOT SCALE = 40.0000' / in.	CHECKED - JSA	REVISED -							* D6 TRAF SIGNAL MOD 2011-1				
	PLOT DATE = Aug-25-2011 09:07:30AM	DATE = 7/15/09	REVISED -							CONTRACT NO. 72E38				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



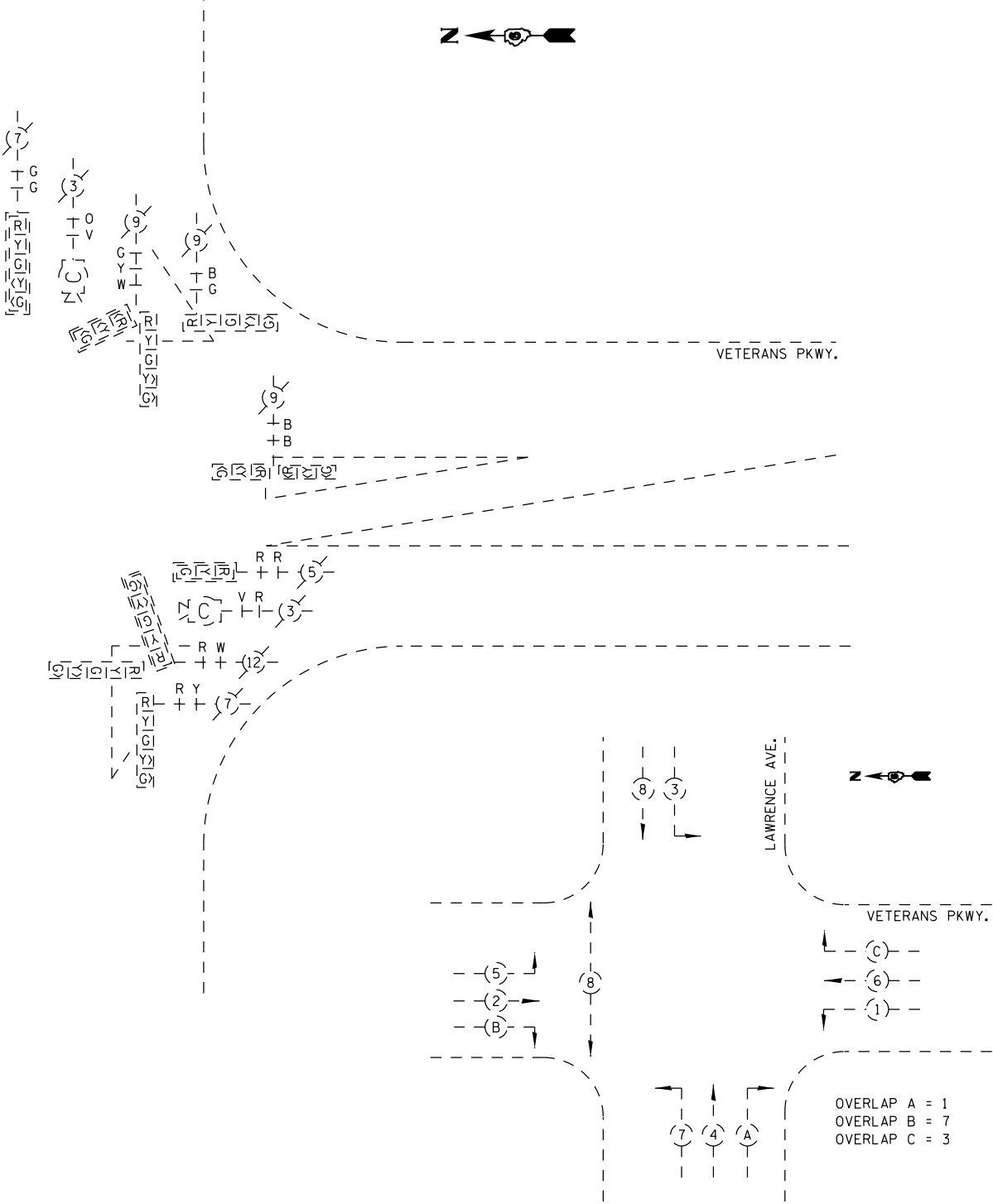
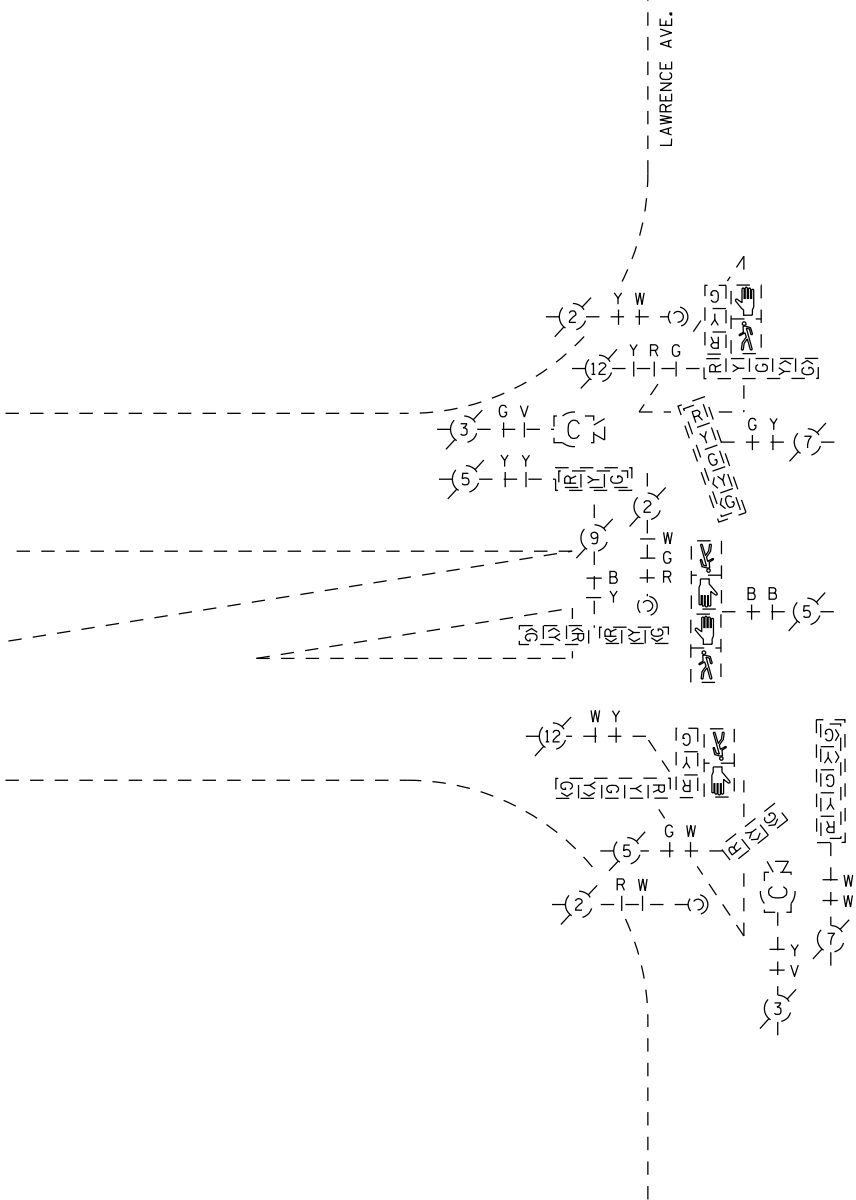
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EXISTING CONTROLLER

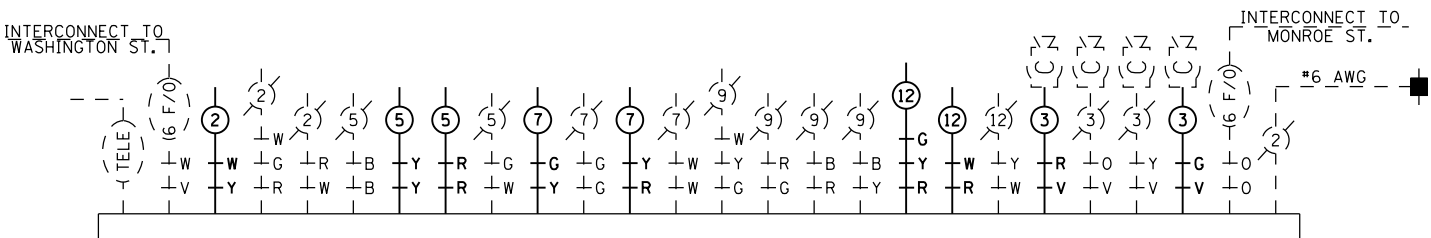
* CABLE TO BE REMOVED



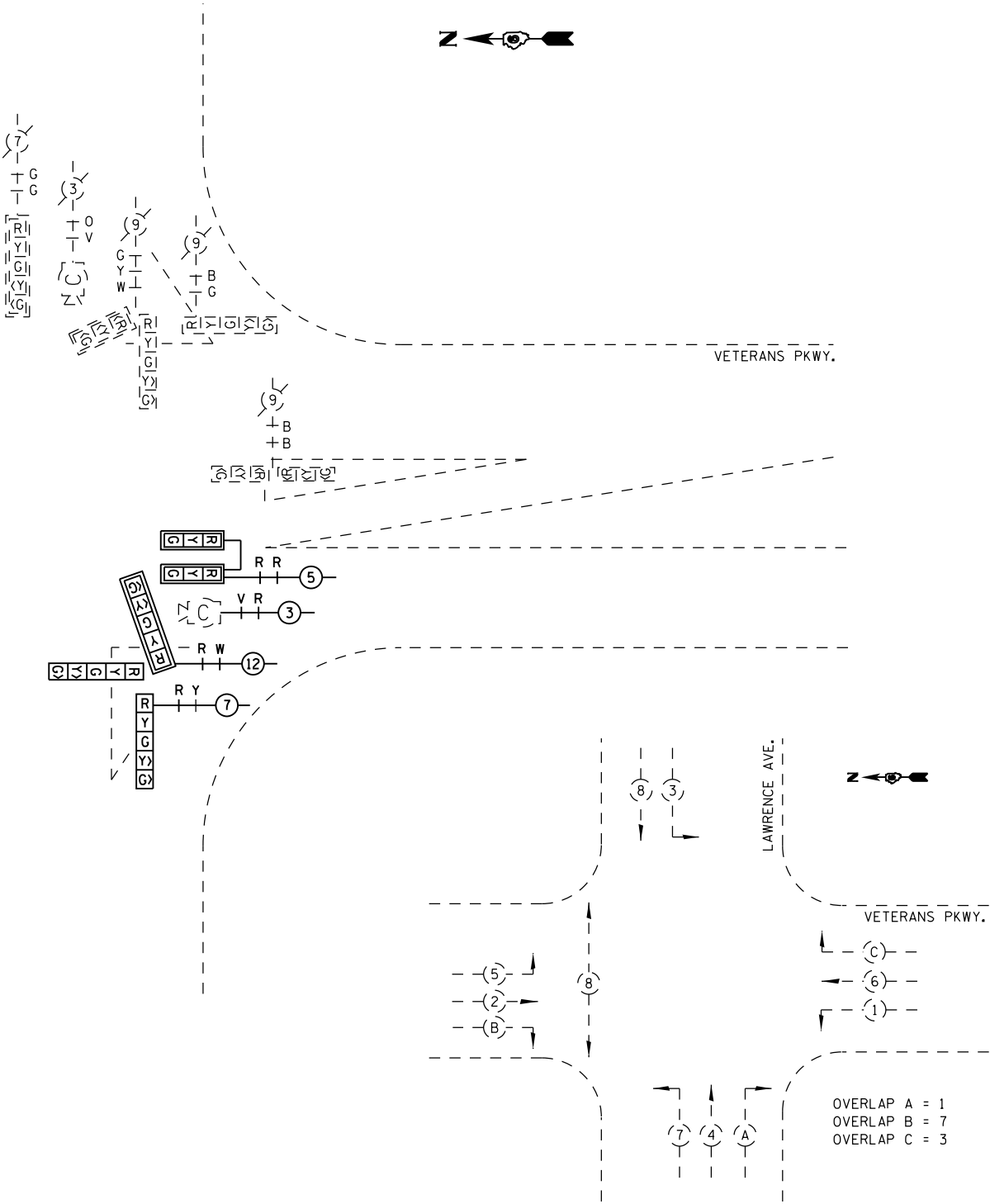
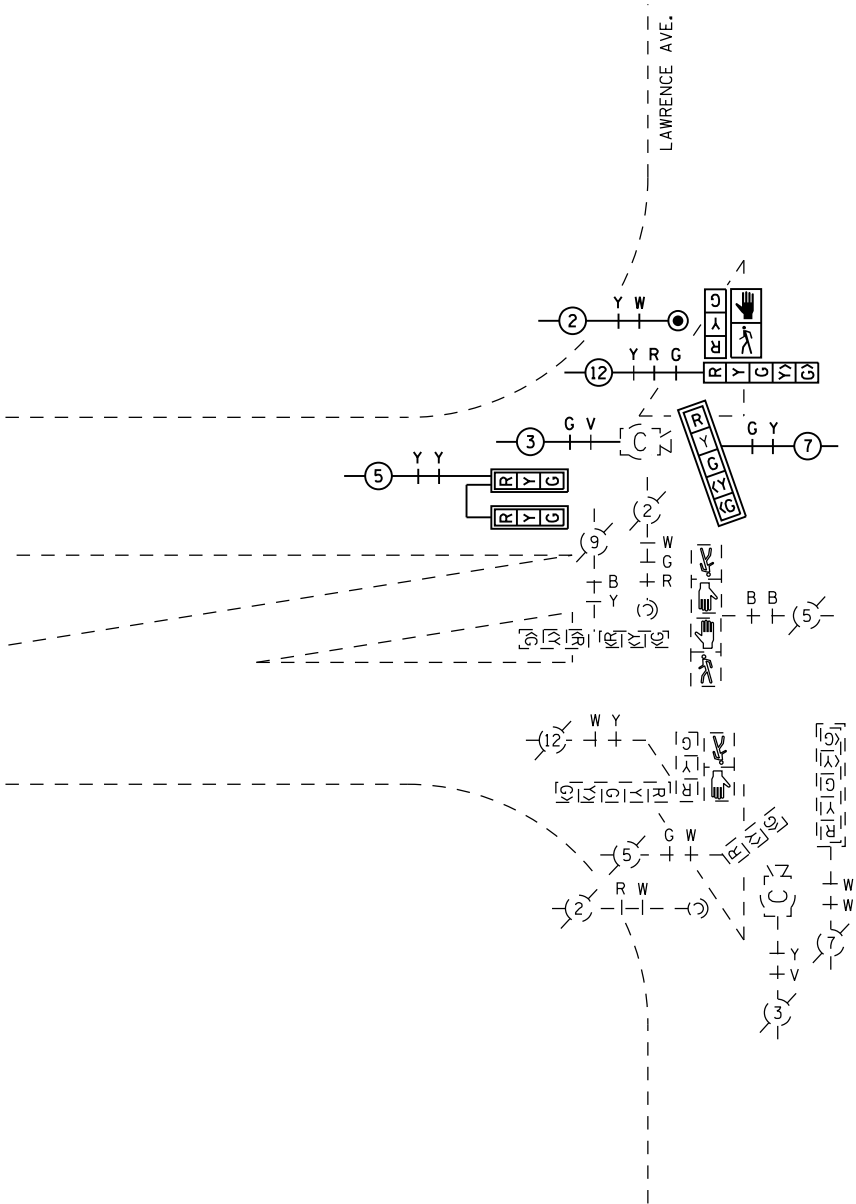
EXISTING PHASE DESIGNATION DIAGRAM

NOT TO SCALE

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		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	31
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JSA	REVISED -		* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38								
	PLOT DATE = Aug-25-2011 09:07:46AM	DATE - 7/15/09	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



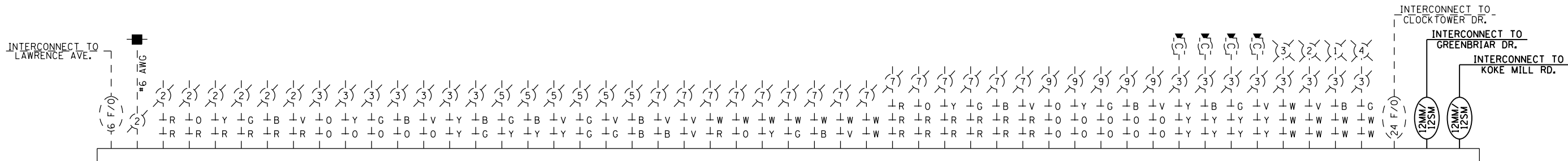
EXISTING CONTROLLER



PROPOSED PHASE DESIGNATION DIAGRAM

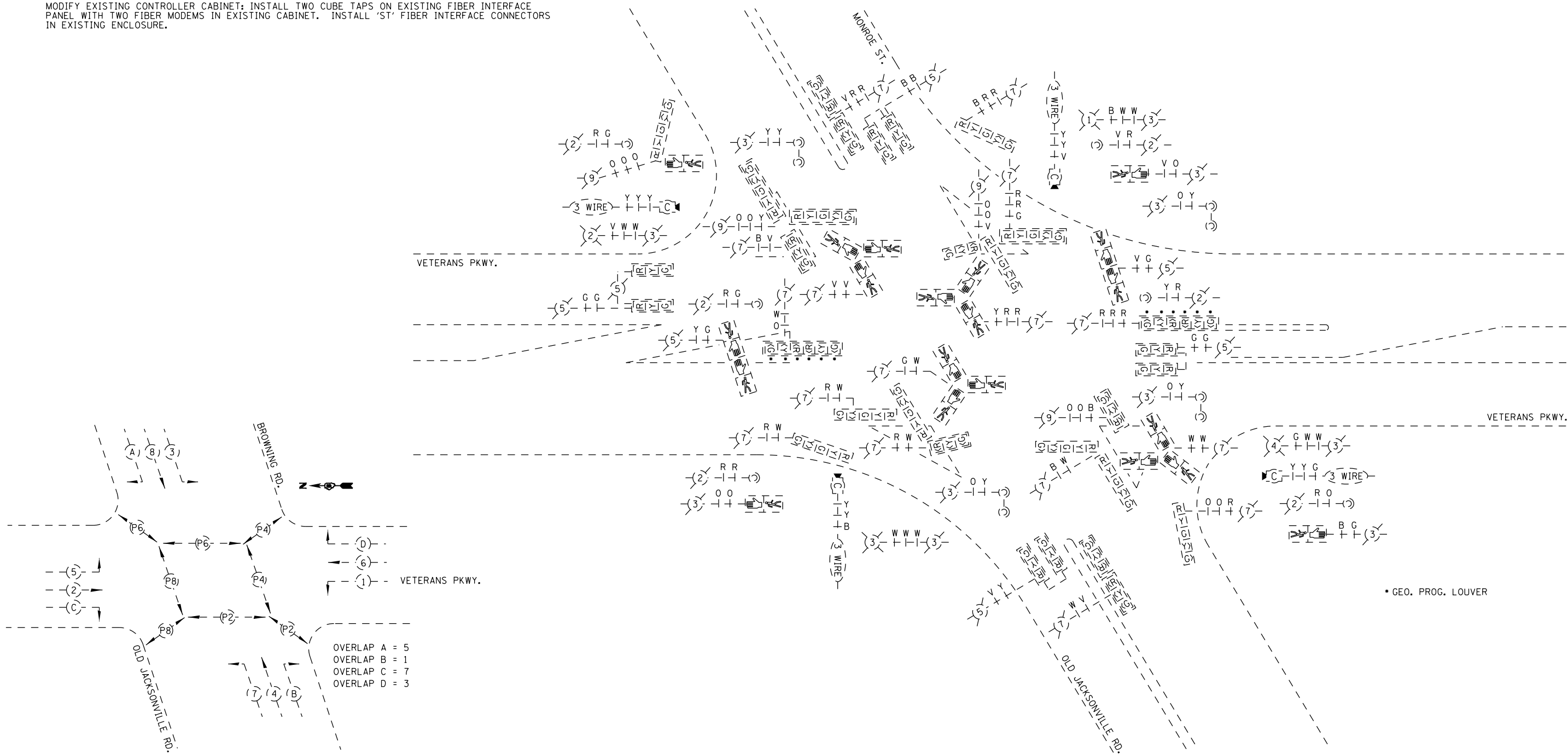
NOT TO SCALE

	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE PLAN VETERANS PKWY. & LAWRENCE AVE.					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - BDM	REVISED -							VAR.	*	SANGAMON	42	32	
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	SCALE:				SHEET NO.	OF	SHEETS	STA.	TO STA.						



EXISTING CONTROLLER

MODIFY EXISTING CONTROLLER CABINET: INSTALL TWO CUBE TAPS ON EXISTING FIBER INTERFACE PANEL WITH TWO FIBER MODEMS IN EXISTING CABINET. INSTALL 'ST' FIBER INTERFACE CONNECTORS IN EXISTING ENCLOSURE.

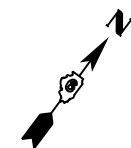


PHASE DESIGNATION DIAGRAM

• GEO. PROG. LOUVER

NOT TO SCALE

	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE PLAN IL 4 (VETERANS PKWY.) & MONROE ST.				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	33
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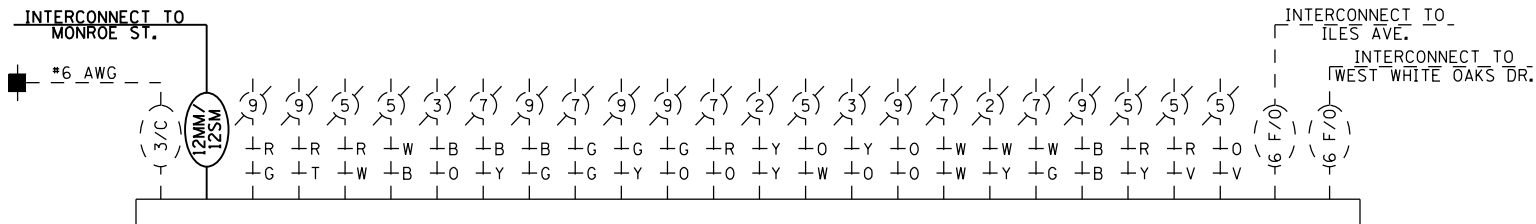


MODIFY EXISTING CONTROLLER CABINET: INSTALL CUBE TAP ON EXISTING FIBER INTERFACE
PANEL WITH ONE FIBER MODEM IN EXISTING CABINET. INSTALL 'ST' FIBER INTERFACE CONNECTORS
IN EXISTING ENCLOSURE.



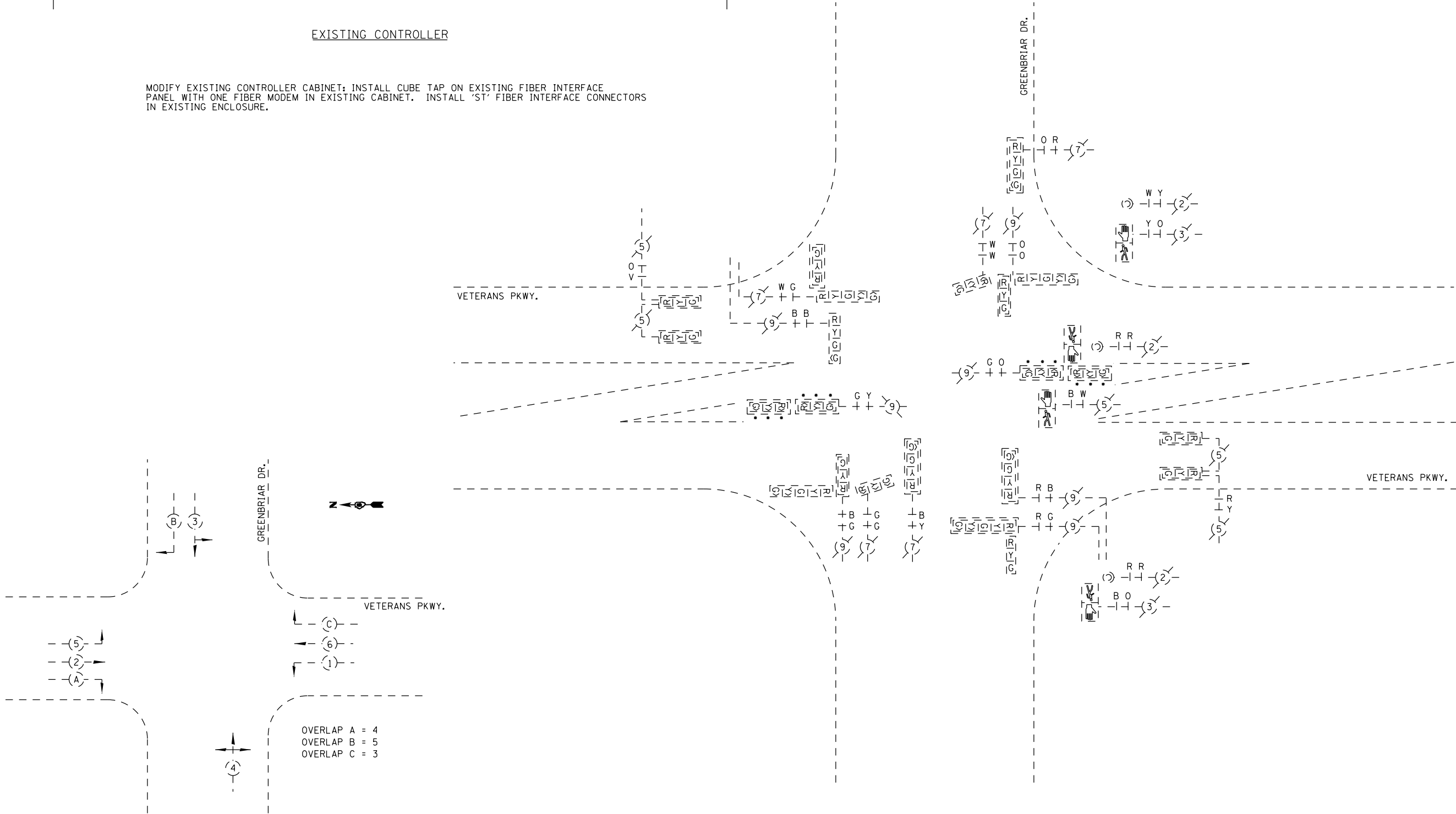
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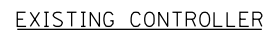
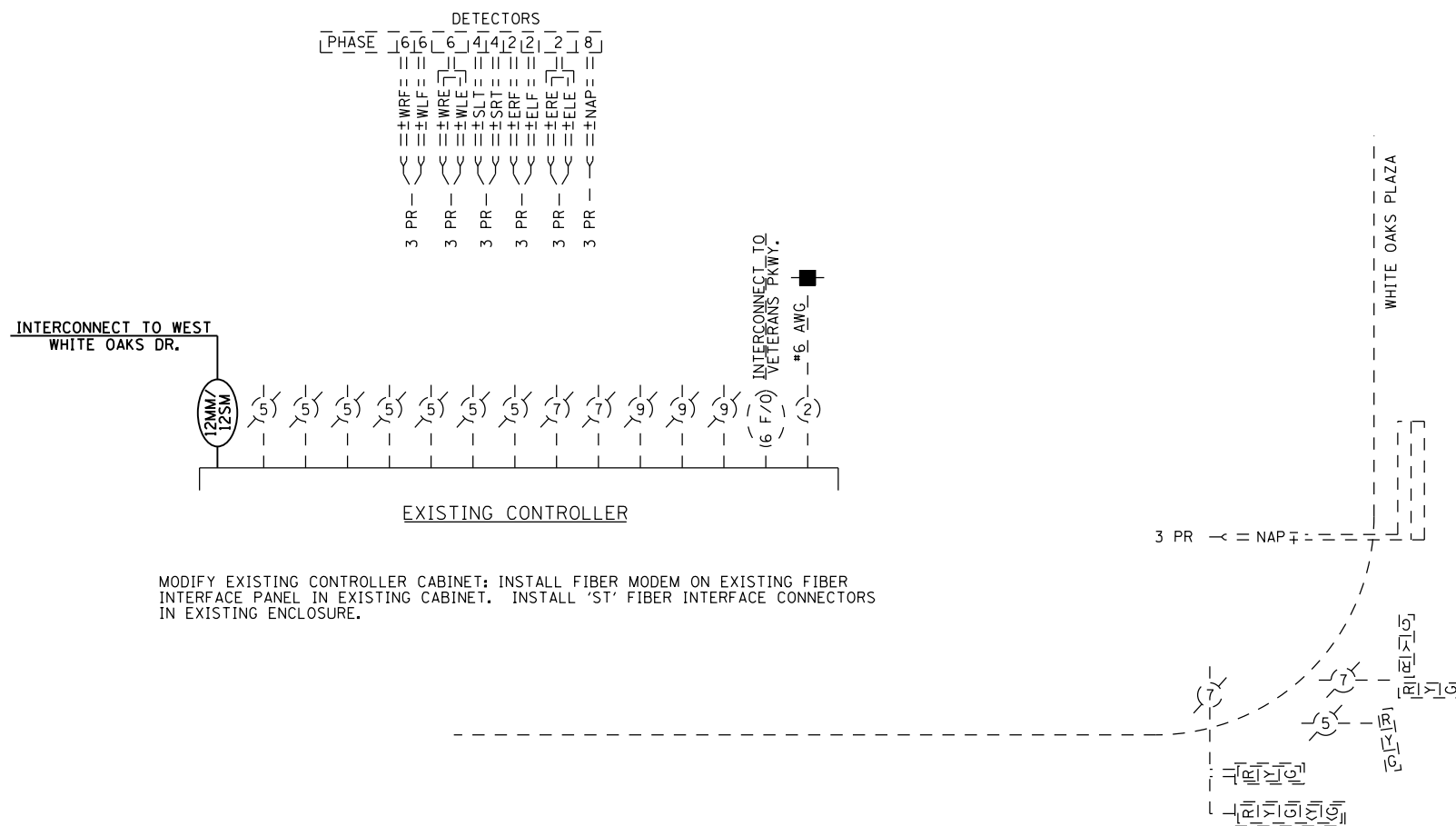
EXISTING CONTROLLER

MODIFY EXISTING CONTROLLER CABINET: INSTALL CUBE TAP ON EXISTING FIBER INTERFACE PANEL WITH ONE FIBER MODEM IN EXISTING CABINET. INSTALL 'ST' FIBER INTERFACE CONNECTORS IN EXISTING ENCLOSURE.

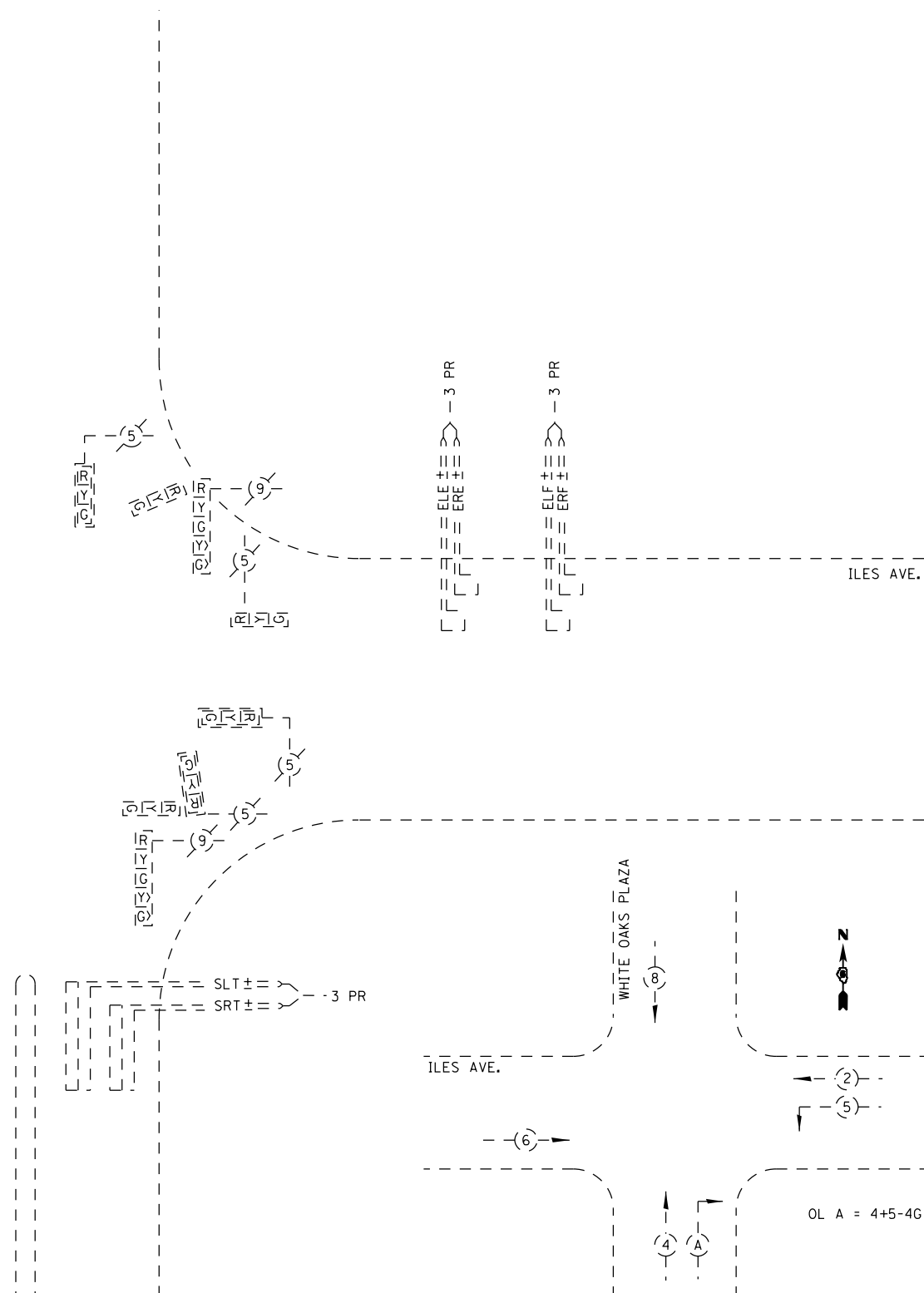
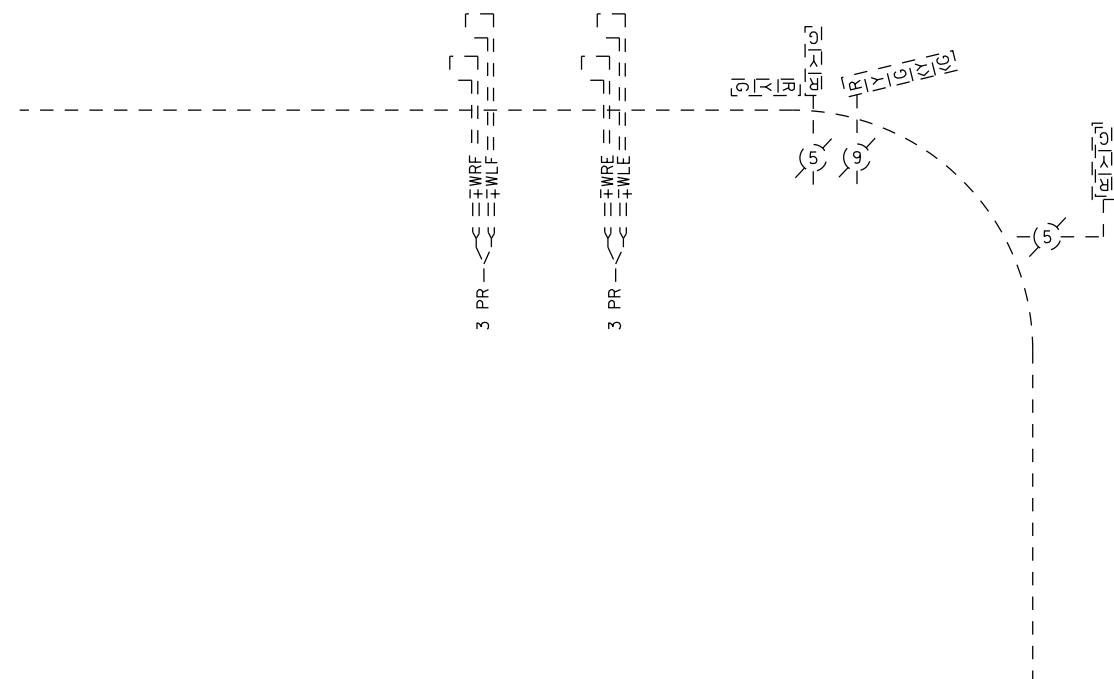


PHASE DESIGNATION DIAGRAM

	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE PLAN VETERANS PKWY & GREENBRIAR DR.					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -		VAR.	*	SANGAMON	42	35					
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JSA	REVISED -		* D6 TRAF SIGNAL MOD 2011-1					CONTRACT NO. 72E38				
	PLOT DATE = Aug-25-2011 09:08:02AM	DATE - 7/15/09	REVISED -							ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				



MODIFY EXISTING CONTROLLER CABINET: INSTALL FIBER MODEM ON EXISTING FIBER INTERFACE PANEL IN EXISTING CABINET. INSTALL 'ST' FIBER INTERFACE CONNECTORS IN EXISTING ENCLOSURE.



ILES AVE.

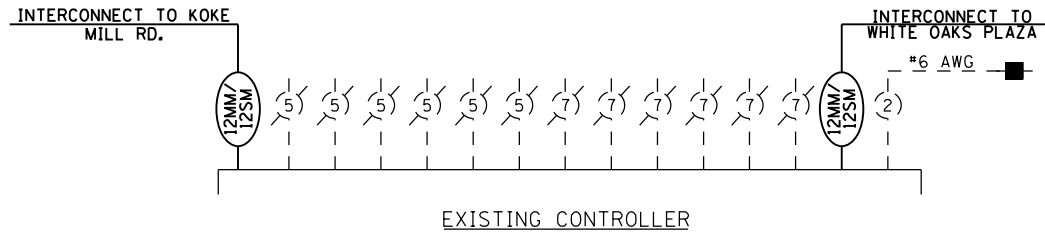
$$OL \quad A = 4+5-4G$$

PHASE DESIGNATION DIAGRAM

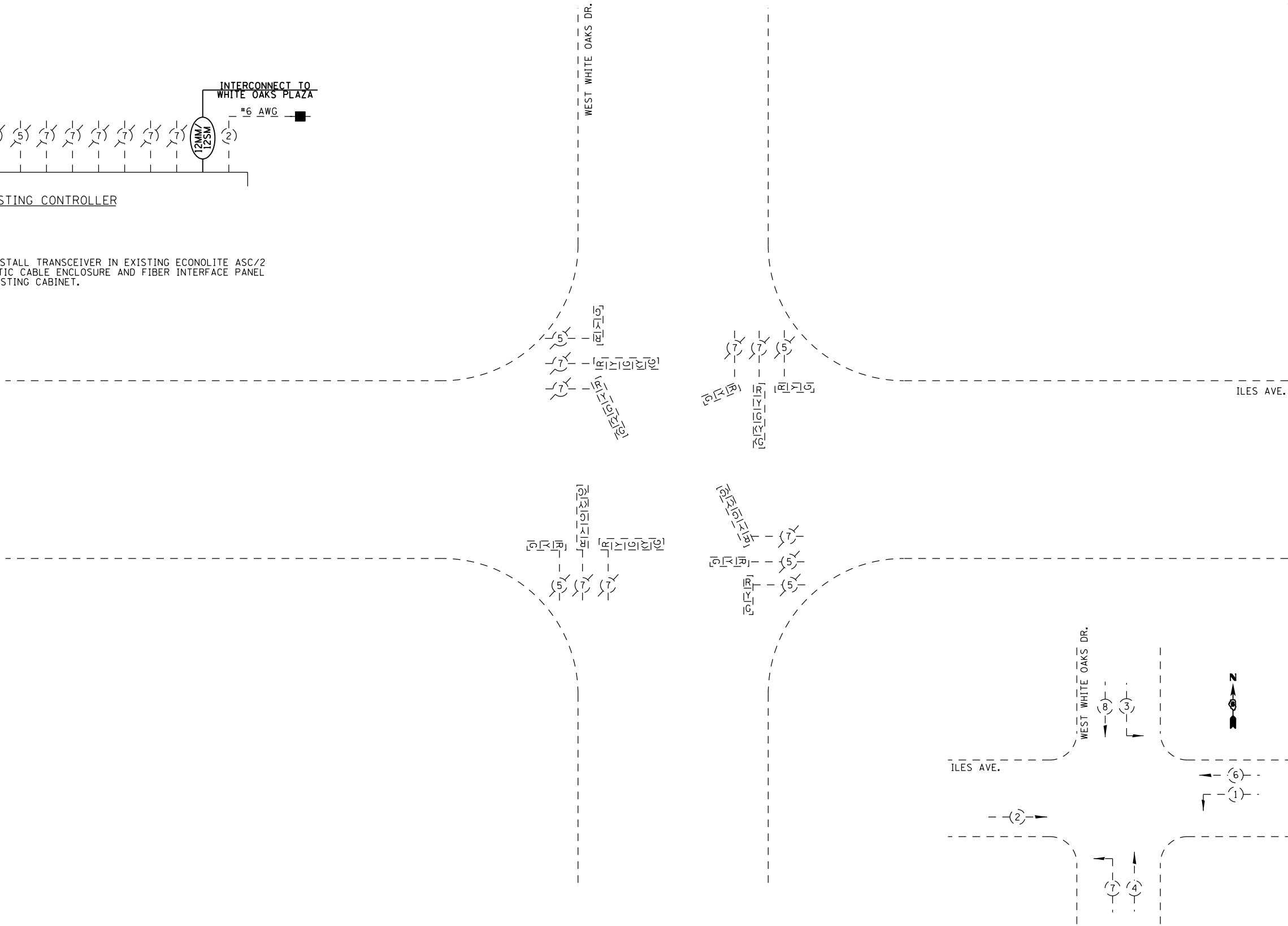
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	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE PLAN ILES AVE. & WEST WHITE OAKS PLAZA				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	36
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					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

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TRANSCEIVER - FIBER OPTIC: INSTALL TRANSCEIVER IN EXISTING ECONOLITE ASC/2 CONTROLLER AND NEW FIBER OPTIC CABLE ENCLOSURE AND FIBER INTERFACE PANEL WITH TWO FIBER MODEMS IN EXISTING CABINET.

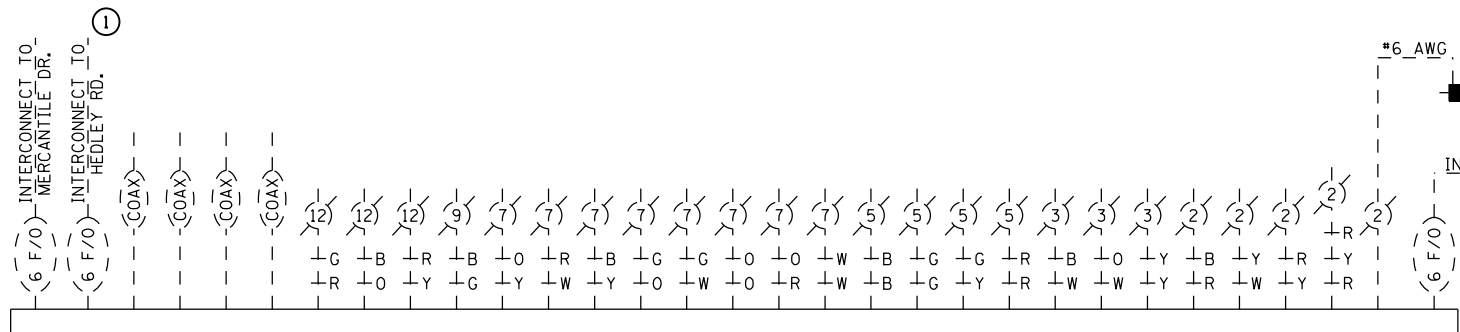


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NOT TO SCALE

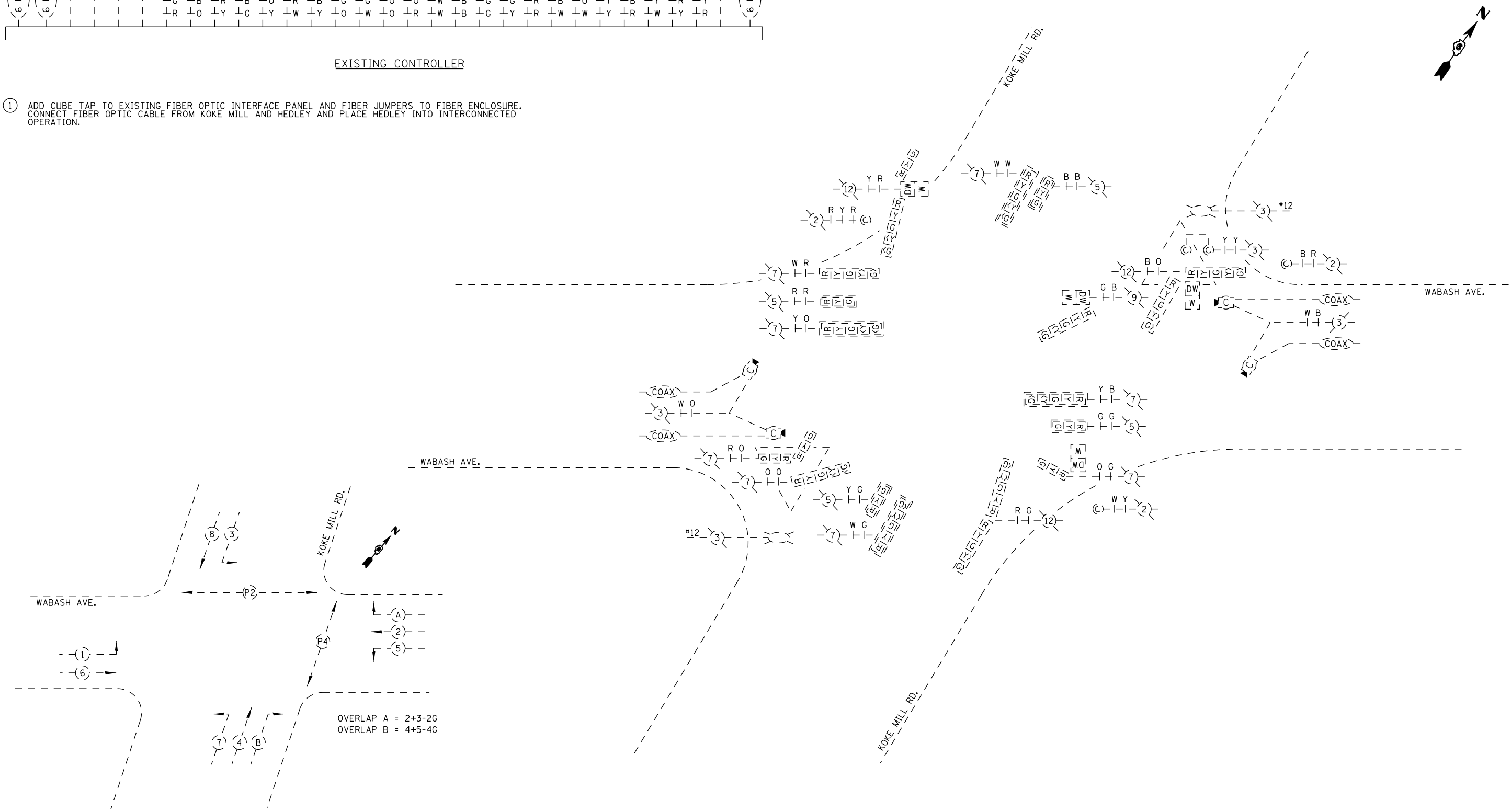
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		DRAWN - BDM	REVISED -					VAR.	*	SANGAMON	42	37
	PLOT SCALE = 40.0000' / in.	CHECKED - JSA	REVISED -		SCALE:			* D6 TRAF SIGNAL MOD 2011-1				
	PLOT DATE = Aug-25-2011 09:08:09AM	DATE - 7/15/09	REVISED -		SHEET NO.	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

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EXISTING CONTROLLER

- 1 ADD CUBE TAP TO EXISTING FIBER OPTIC INTERFACE PANEL AND FIBER JUMPERS TO FIBER ENCLOSURE. CONNECT FIBER OPTIC CABLE FROM KOKE MILL AND HEDLEY AND PLACE HEDLEY INTO INTERCONNECTED OPERATION.

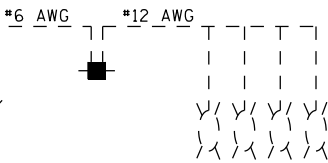
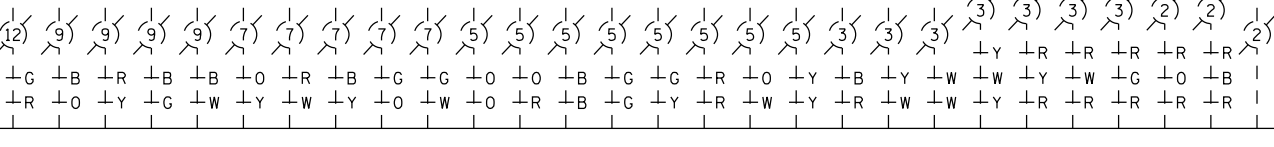


PHASE DESIGNATION DIAGRAM

	USER NAME = sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CABLE PLAN WABASH AVE. & KOKE MILL RD.				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	38
	PLOT SCALE = 40.0000 ' / in.	CHECKED - JSA	REVISED -		* D6 TRAF SIGNAL MOD 2011-1		CONTRACT NO. 72E38						
	PLOT DATE = Aug-25-2011 09:08:13AM	DATE - 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT								
	SCALE:		SHEET NO.		OF SHEETS	STA.	TO STA.						

INTERCONNECT TO
WEST WHITE OAKS DR.

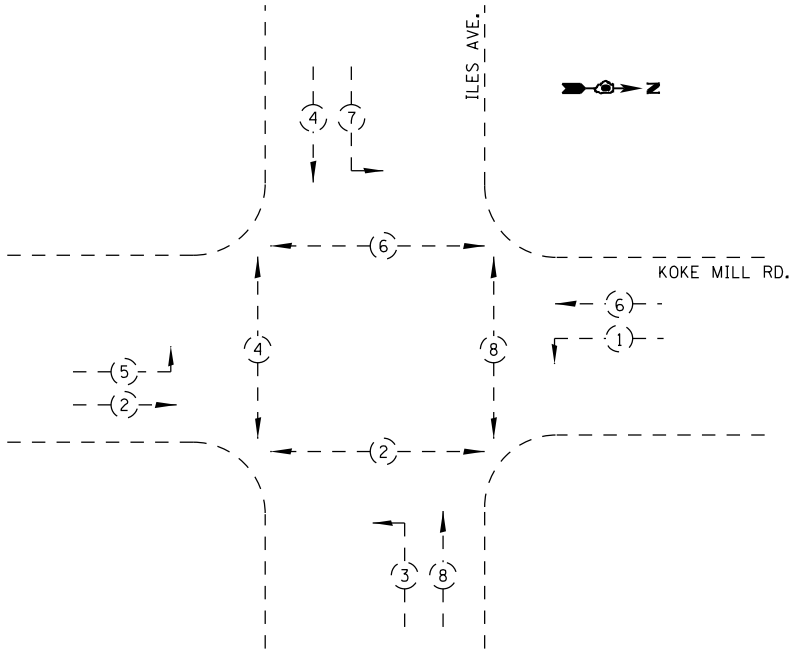
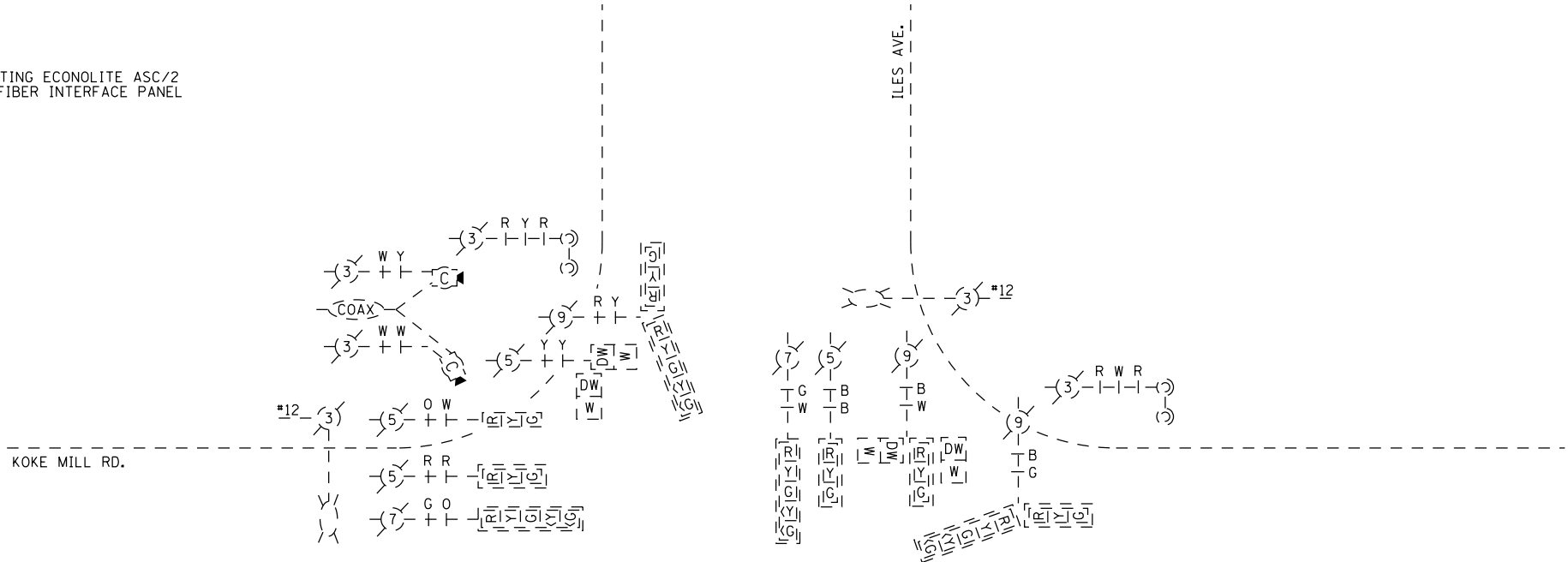
12MM
12SN



EXISTING CONTROLLER



TRANSCEIVER - FIBER OPTIC INSTALL TRANSCEIVER IN EXISTING ECONOLITE ASC/2
CONTROLLER AND NEW FIBER OPTIC CABLE ENCLOSURE AND FIBER INTERFACE PANEL
WITH FIBER MODEM IN EXISTING CABINET.



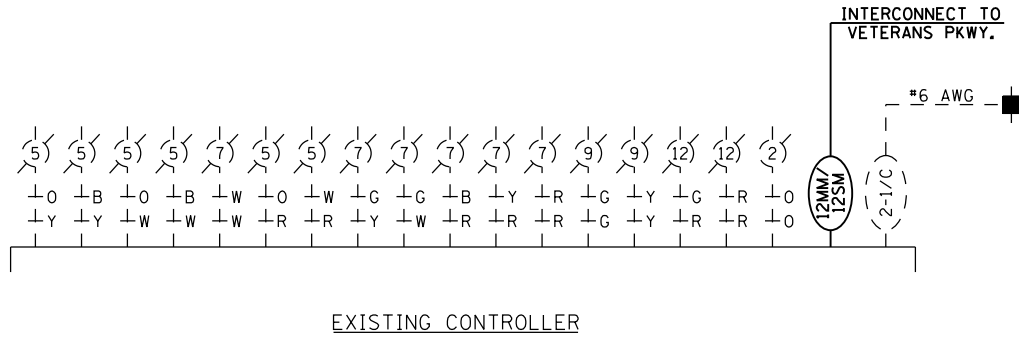
PHASE DESIGNATION DIAGRAM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

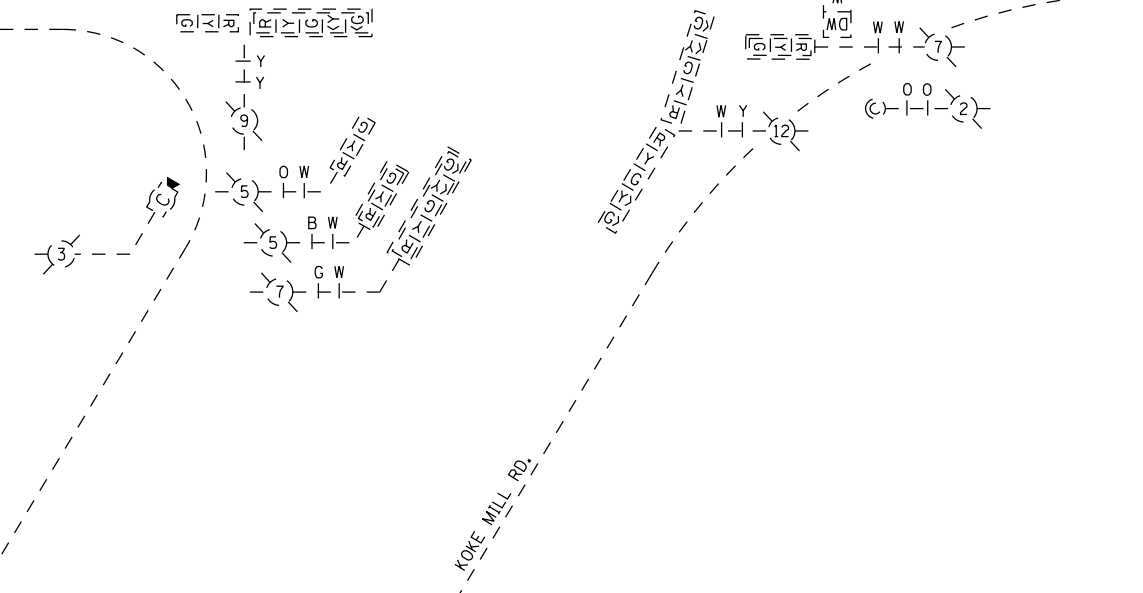
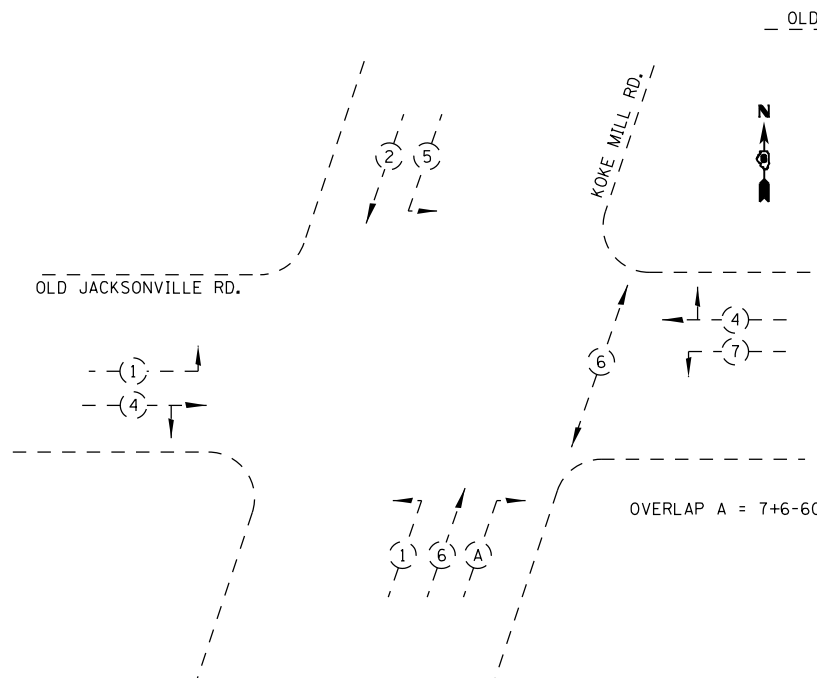
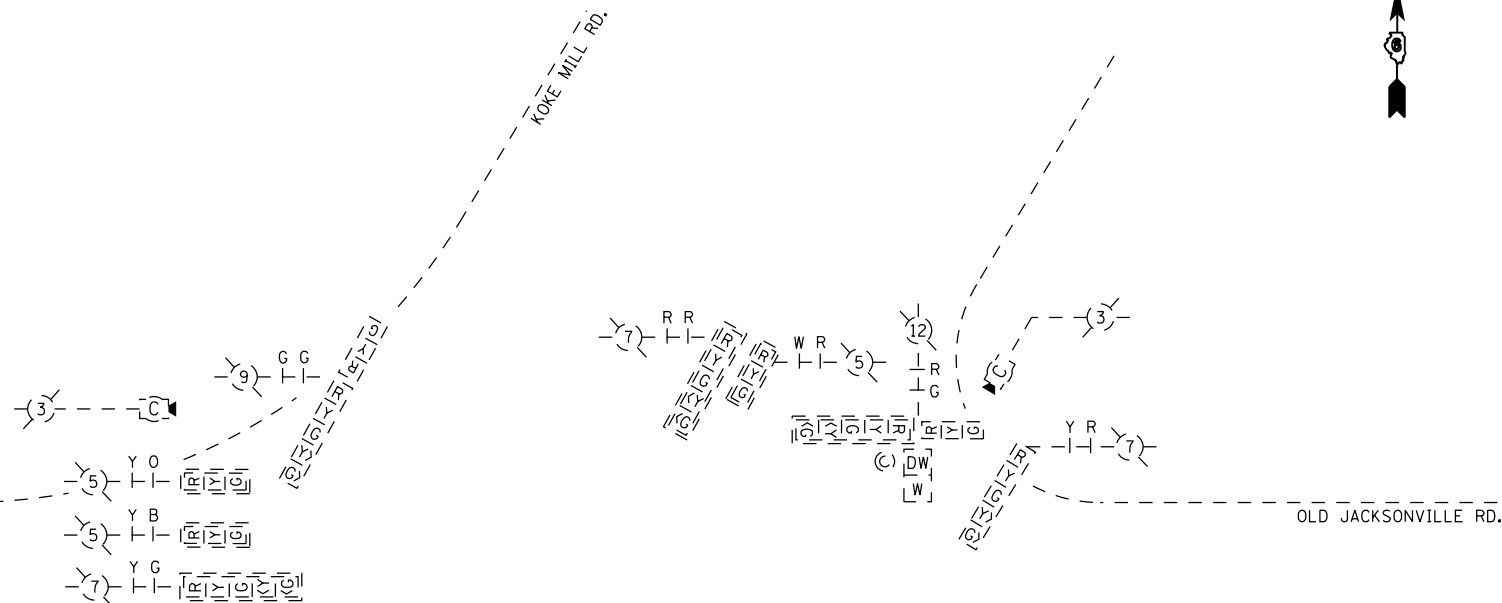
PROPOSED CABLE PLAN
KOKE MILL RD. & ILES AVE.

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.		*	SANGAMON	42	39
* D6 TRAF SIGNAL MOD 2011-1		CONTRACT NO. 72E38			
		ILLINOIS FED. AID PROJECT			



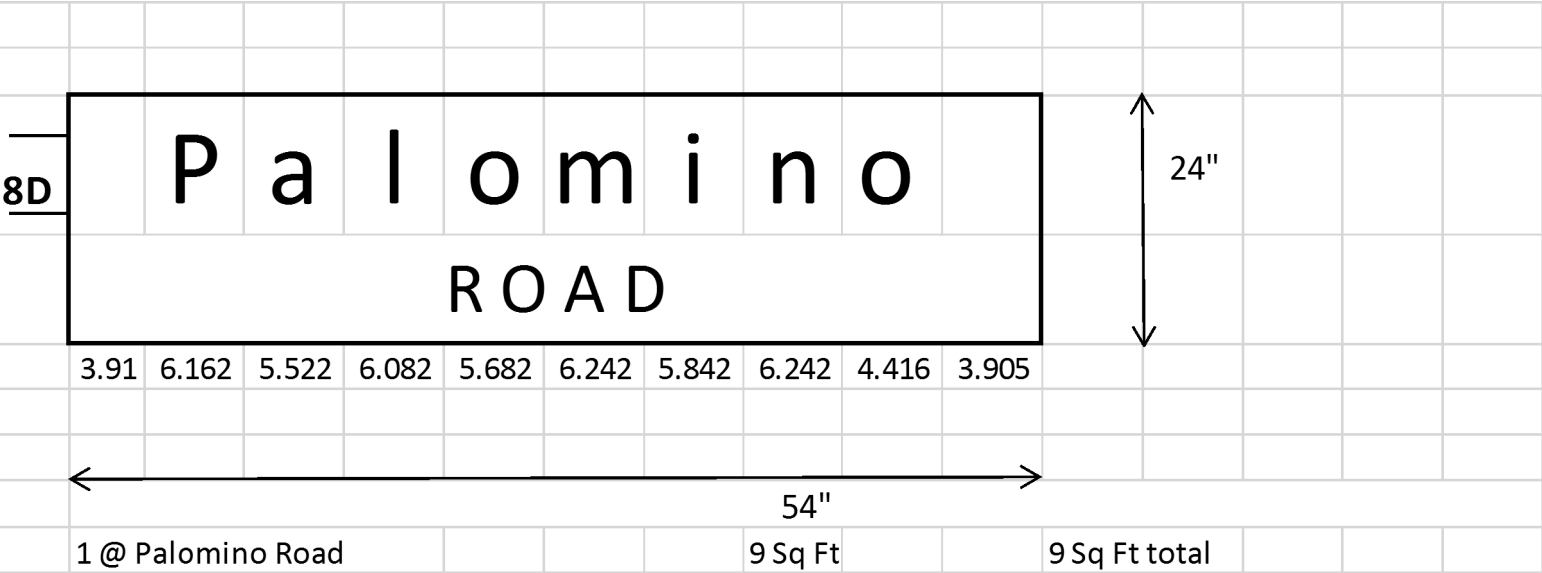
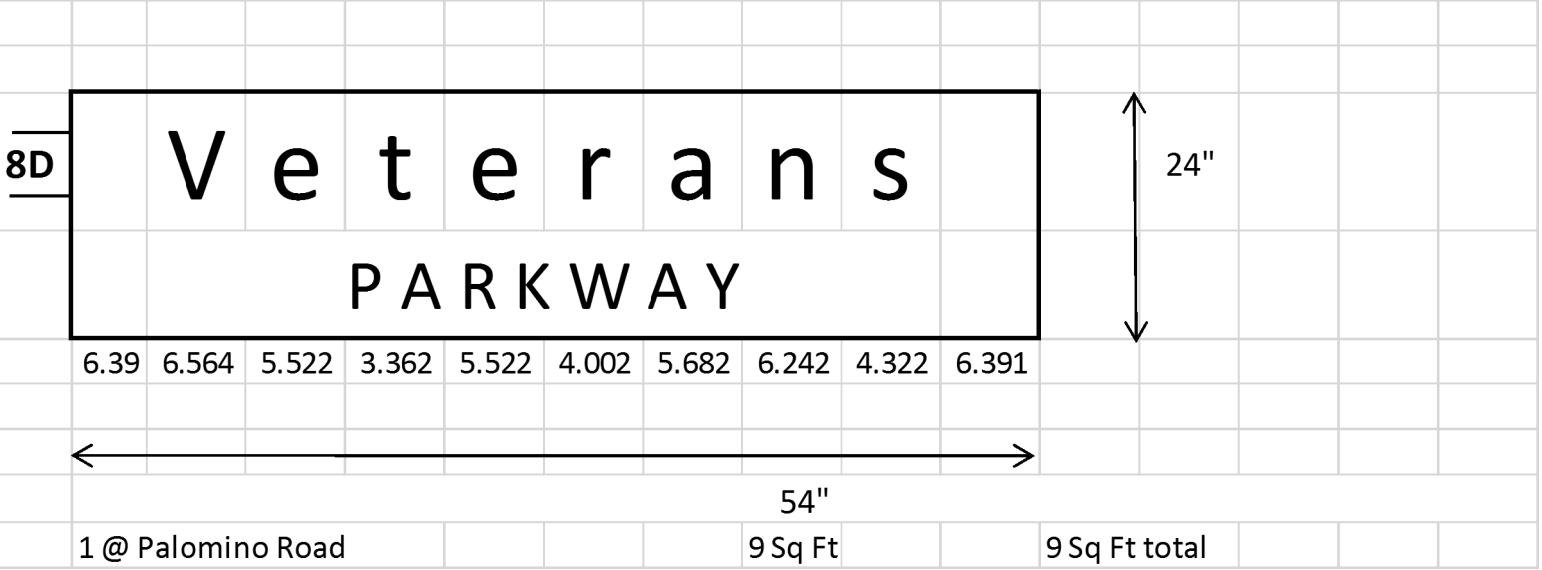
TRANSCEIVER - FIBER OPTIC INSTALL TRANSCEIVER IN EXISTING ECONOLITE ASC/2 CONTROLLER AND NEW FIBER OPTIC CABLE ENCLOSURE AND FIBER INTERFACE PANEL WITH FIBER MODEM IN EXISTING CABINET.

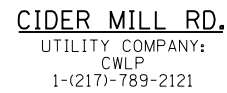


PHASE DESIGNATION DIAGRAM

NOT TO SCALE

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		DRAWN - BDM	REVISED -						VAR.	*	SANGAMON	42	40				
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	PLOT DATE = Aug-25-2011 09:08:20AM	DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT								
														* D6 TRAF SIGNAL MOD 2011-1 CONTRACT NO. 72E38			





**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	SANGAMON	42	42
* D6 TRAF SIGNAL MOD 2011-1		CONTRACT NO. 72E38		
ILLINOIS FED. AID PROJECT				

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