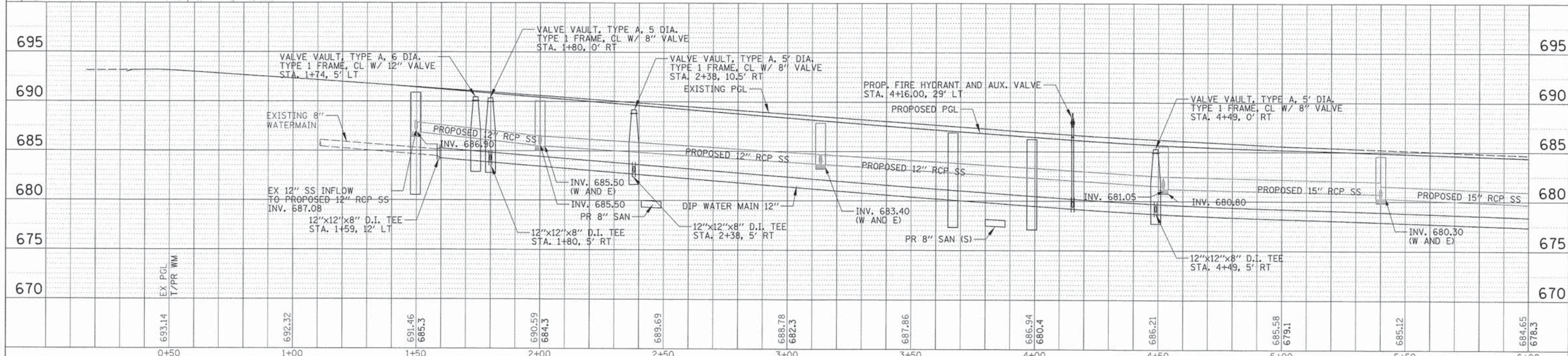
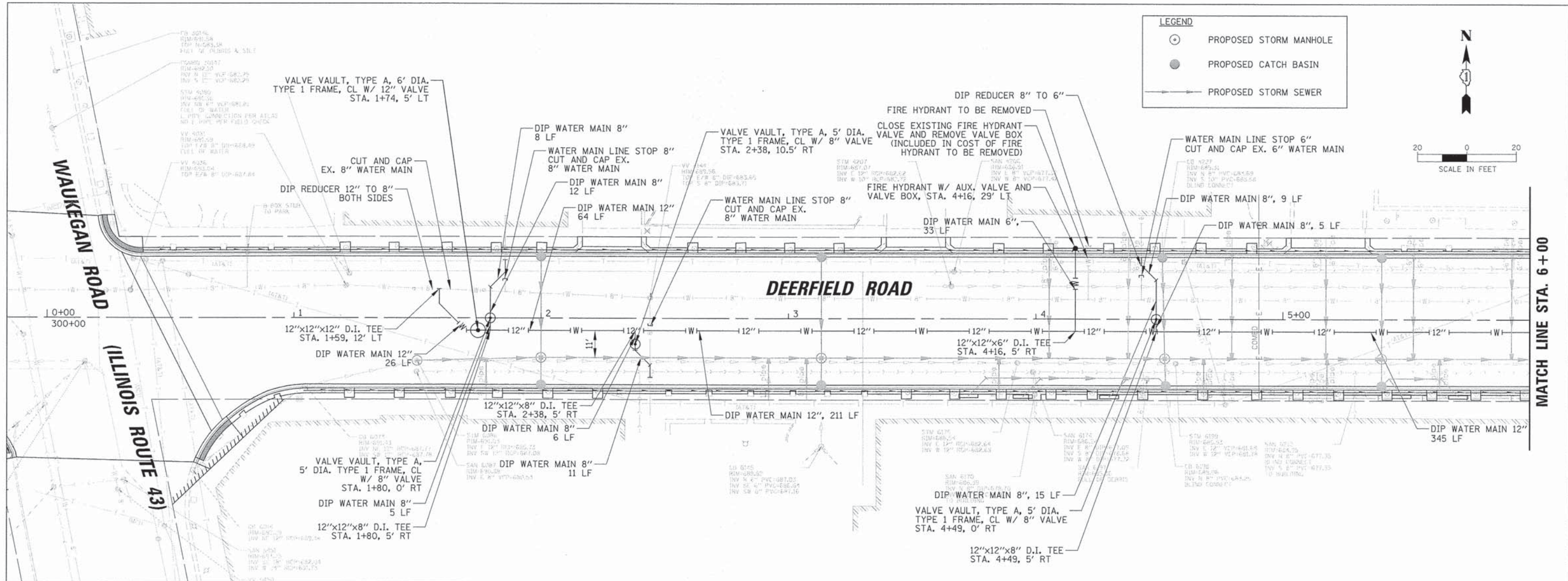


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NO.		
1	APPROVED	
2	PLOTTED	
3	ALIGNED CHECKS	
4	STRUCTURE CHECKS	
5	ROAD FILE NAME	

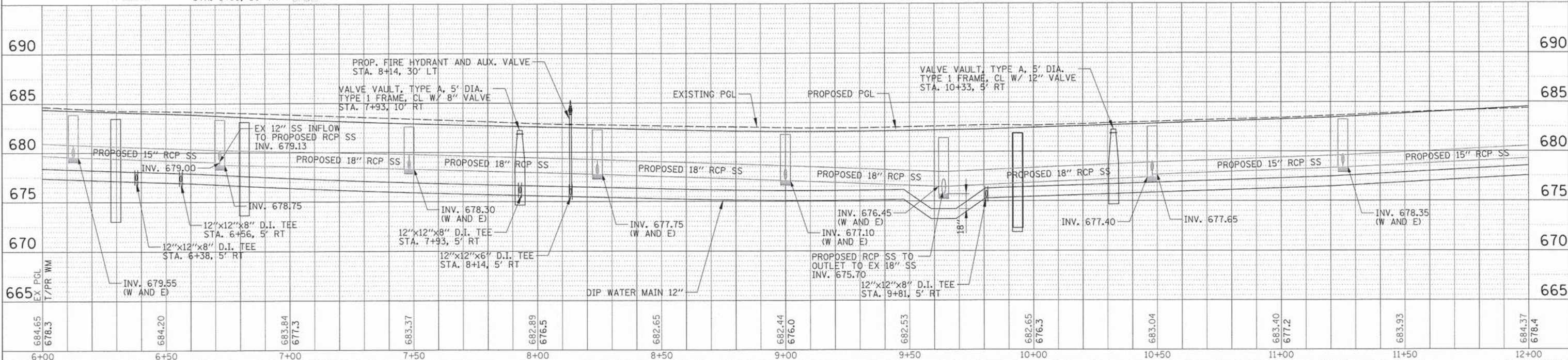
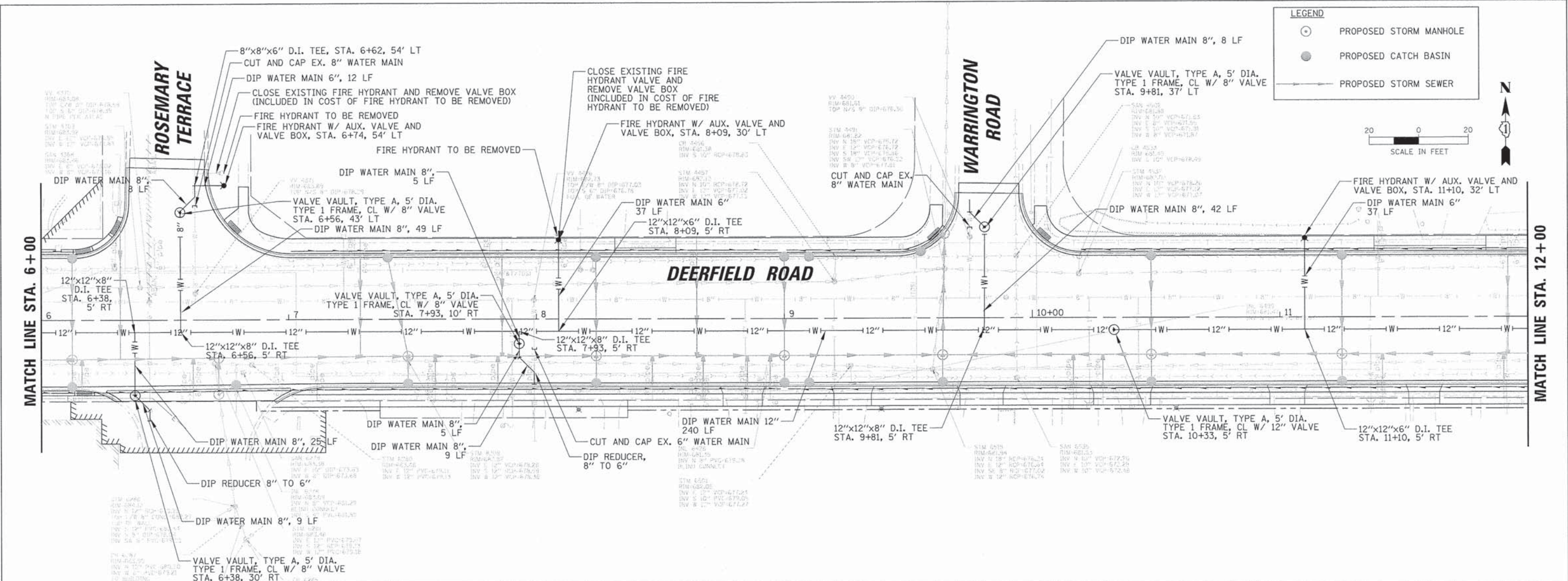
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NO.		
1	APPROVED	
2	PLOTTED	
3	STRUCTURE CHECKS	
4	NOTATION CHG	



USER NAME: jstark	DESIGNED: VMR	REVISED:	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WATER MAIN PLAN AND PROFILE DEERFIELD ROAD</b>			F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 101	
PLOT SCALE: 2"	DRAWN:	REVISED:		SCALE: 20H 5V	SHEET NO. 1 OF 8 SHEETS	STA. 0+00 TO STA. 6+00	CONTRACT NO. 63882					
PLOT DATE: 8/30/2015	CHECKED: SNS	REVISED:		ILLINOIS FED. AID PROJECT								
	DATE:	REVISED:										

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
2	PLANNING
3	DESIGN
4	CONSTRUCTION
5	FINAL
6	
7	
8	
9	
10	

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
2	PLANNING
3	DESIGN
4	CONSTRUCTION
5	FINAL
6	
7	
8	
9	
10	



684.65	684.20	683.84	683.37	682.89	682.65	682.44	682.03	682.65	683.04	683.40	683.93	684.37
678.3		677.3		676.5		676.0		676.3		677.2		678.4
6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLAN AND PROFILE  
DEERFIELD ROAD**

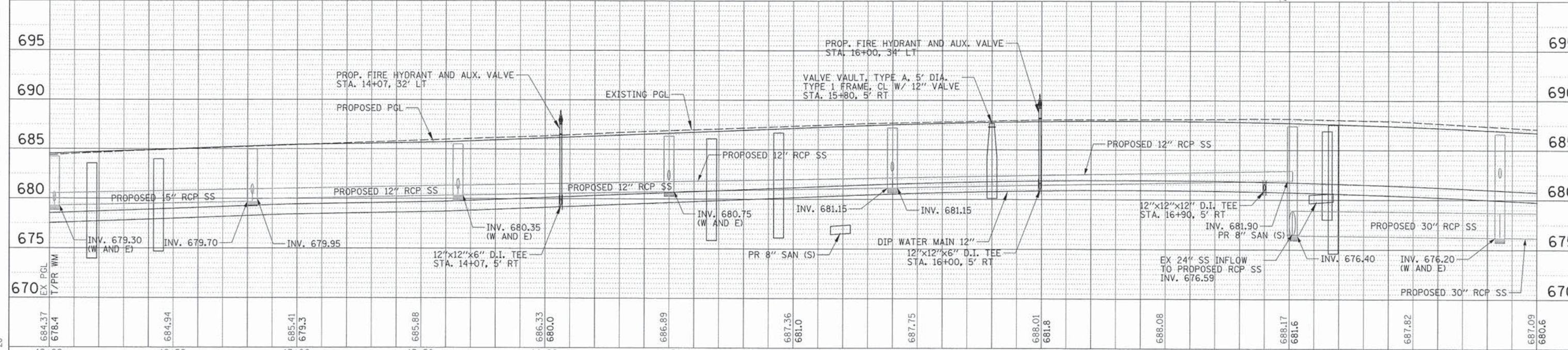
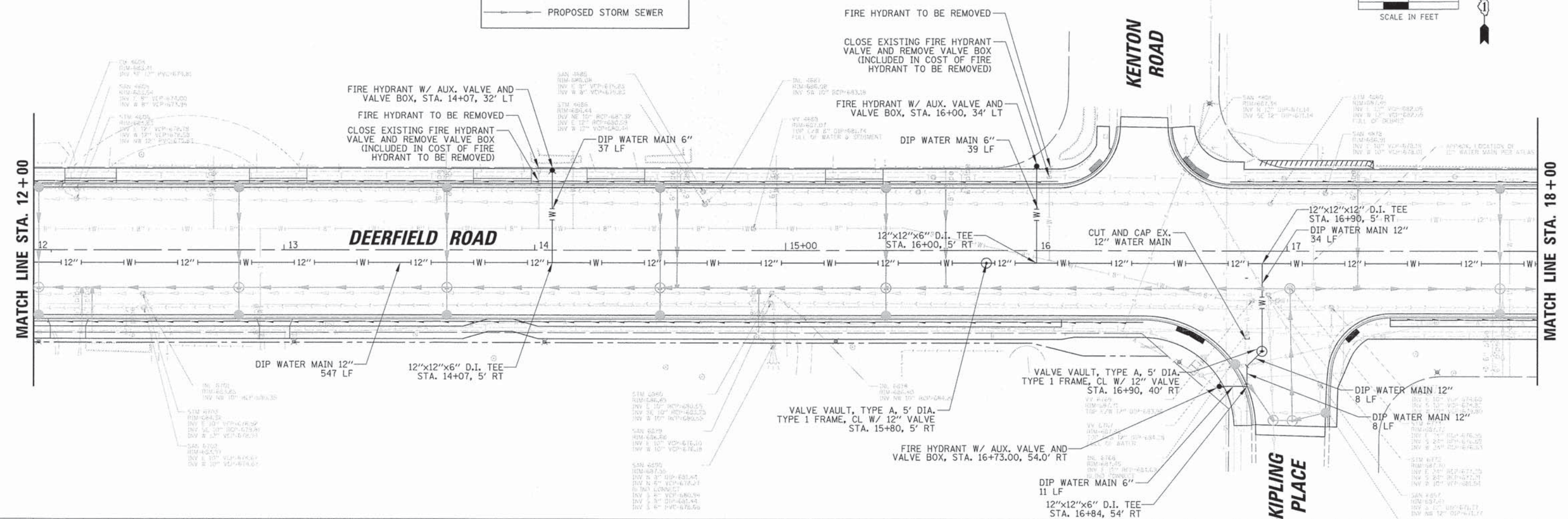
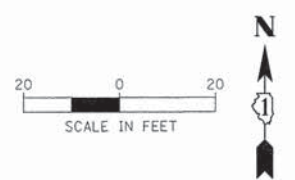
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
1257	11-00092-00-PV	LAKE	424	102
SCALE: 20H 5V			CONTRACT NO. 63882	

PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	

**LEGEND**

- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM SEWER



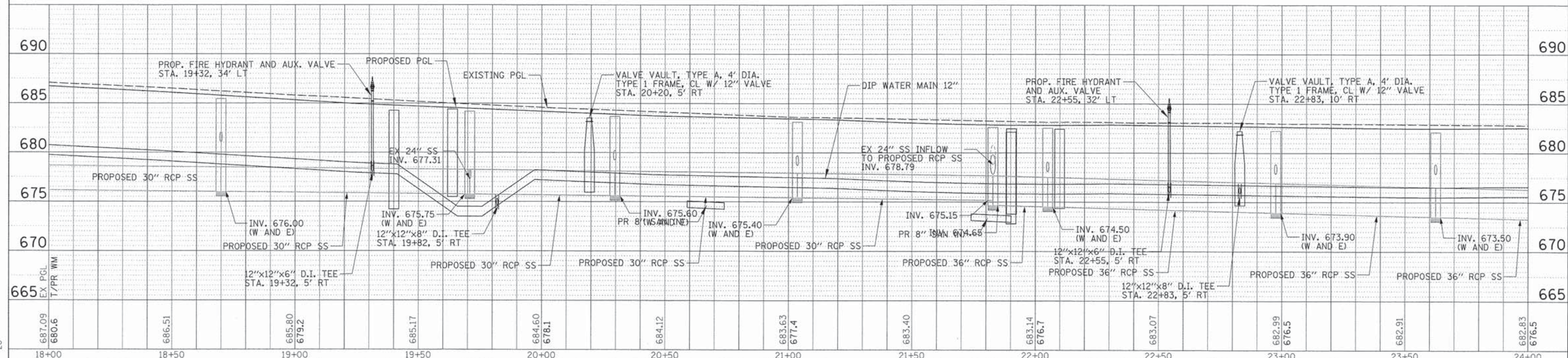
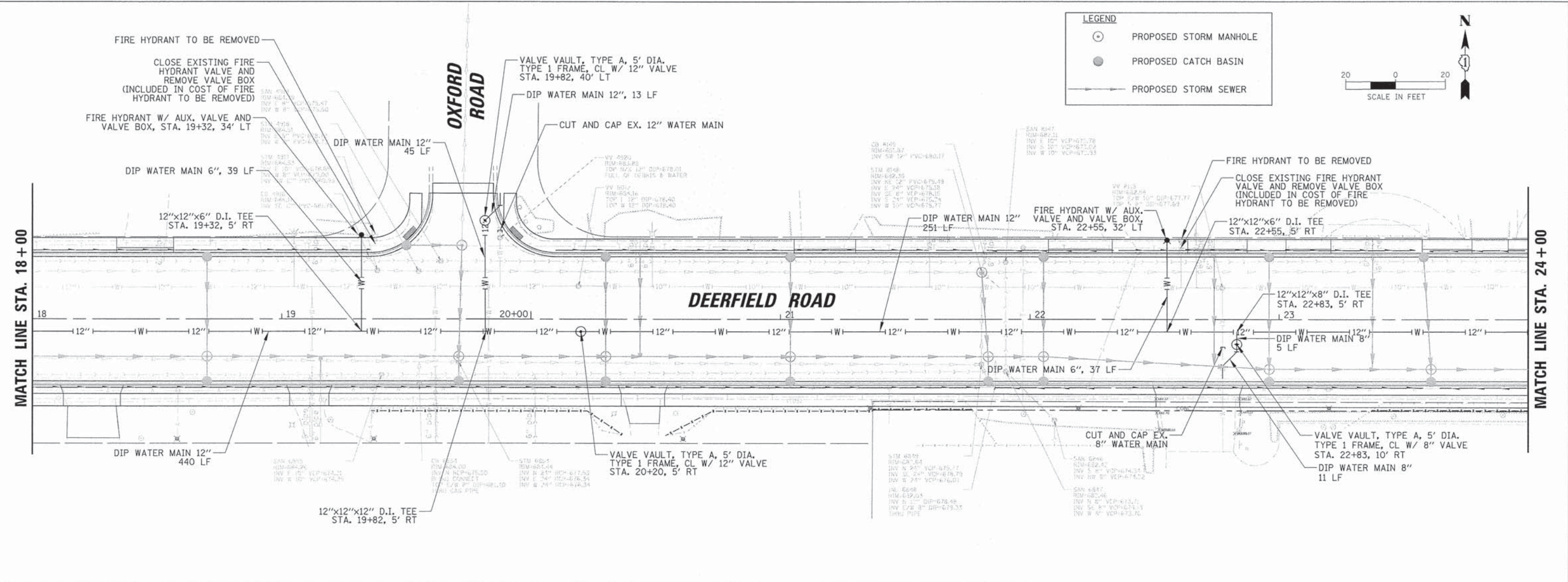
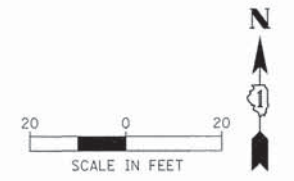
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PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE: 20H 5V				SHEET NO. 3 OF 8 SHEETS	STA. 12+00 TO STA. 18+00	CONTRACT NO. 63882		
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -						ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -										

DATE	
BY	
PLAN	DESIGNED - VMR
	DRAWN - SNS
	CHECKED - SNS
	DATE - 8/30/2015
	FILE NAME - N:\DeerField\128414\Drawn\WPP_128414_B4.SHT

DATE	
BY	
PROFILE	DESIGNED - VMR
	DRAWN - SNS
	CHECKED - SNS
	DATE - 8/30/2015
	FILE NAME - N:\DeerField\128414\Drawn\WPP_128414_B4.SHT

**LEGEND**

- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM SEWER



USER NAME	= jstrick
DESIGNED	= VMR
DRAWN	= SNS
CHECKED	= SNS
DATE	= 8/30/2015

REVIS	=
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REVIS	=

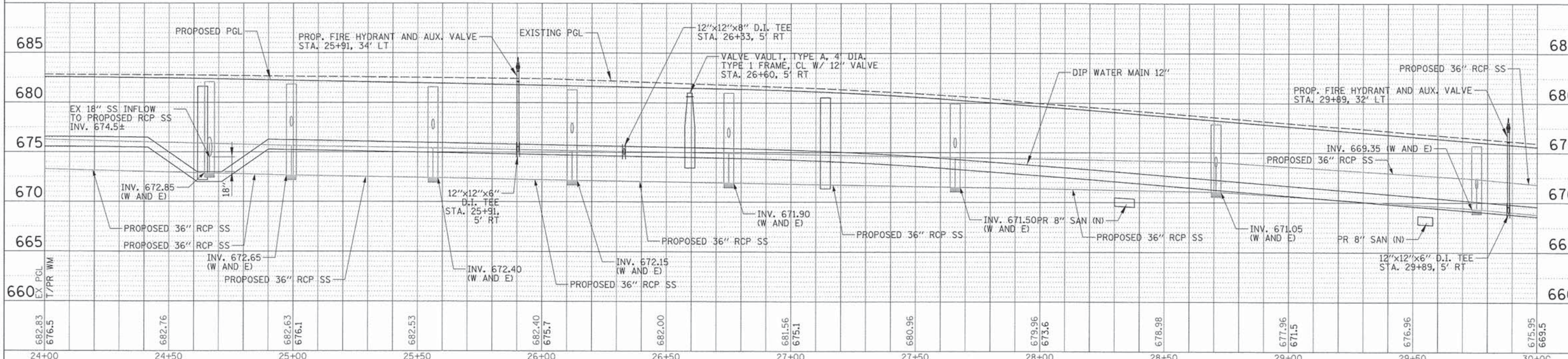
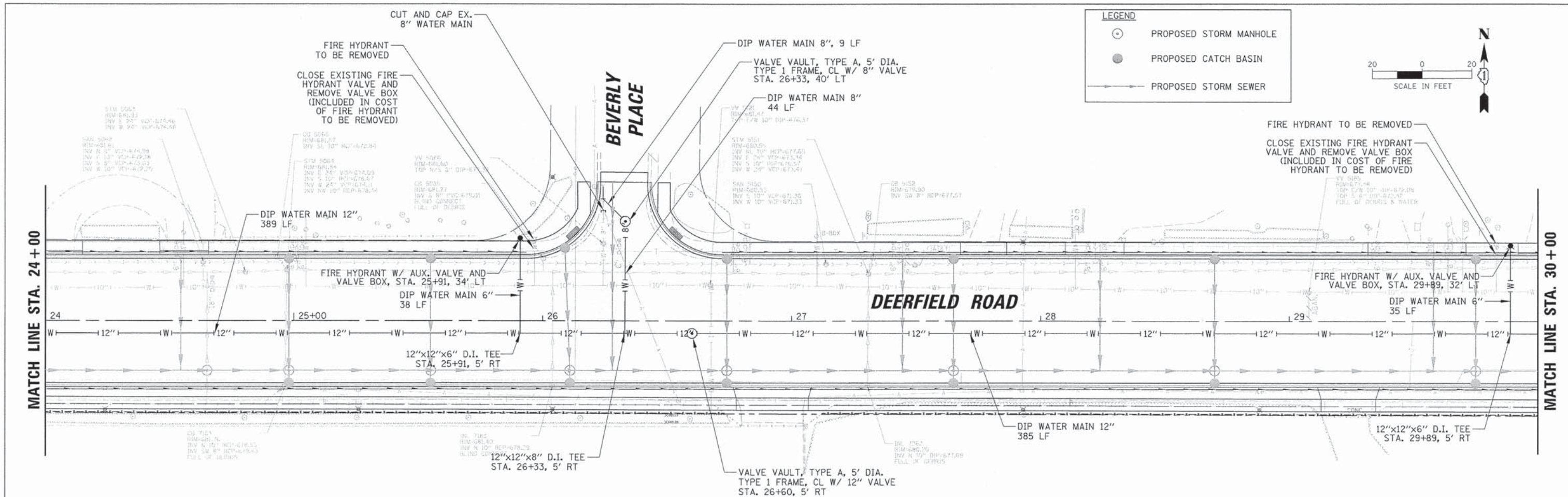
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WATER MAIN PLAN AND PROFILE DEERFIELD ROAD</b>			
SCALE:	20H 5V	SHEET NO. 4 OF 8 SHEETS	STA. 18+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-0092-00-PV	LAKE	424	104
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
NO.	BY	
NOTE BOOK	ALIGNED CHECKED	
NO.	ADD FILE NAME	

PROFILE	REVISIONS	DATE
NO.	BY	
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CH-40	



USER NAME = jstrick	DESIGNED - VMR	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 20'	CHECKED - SNS	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 5 OF 8 SHEETS    STA. 24+00 TO STA. 30+00

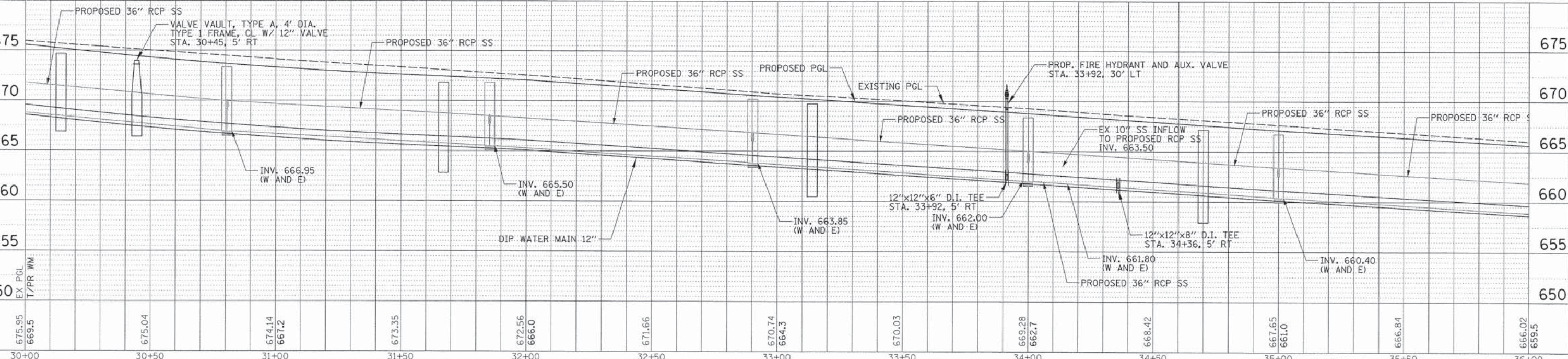
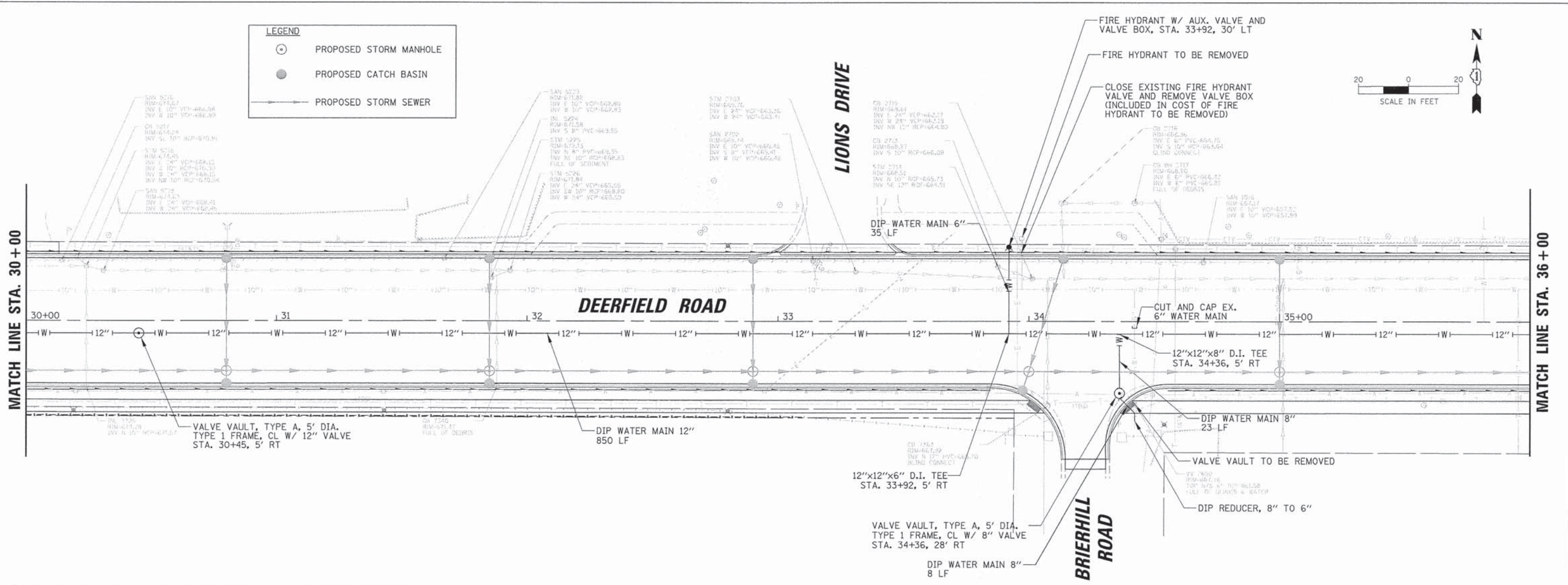
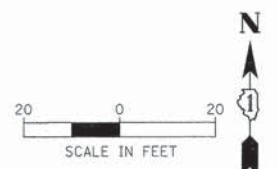
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 105
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

DATE	
BY	
REVISION	
PLANNED	
NOTE BOOK	
NO.	

DATE	
BY	
REVISION	
PROFILES	
GRADES	
NOTE BOOK	
NO.	

**LEGEND**

- PROPOSED STORM MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED STORM SEWER



USER NAME = jstrsek	DESIGNED - VMR	REVISED -
	DRAWN -	REVISED -
PLLOT SCALE = 28'	CHECKED - SNS	REVISED -
PLLOT DATE = 8/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

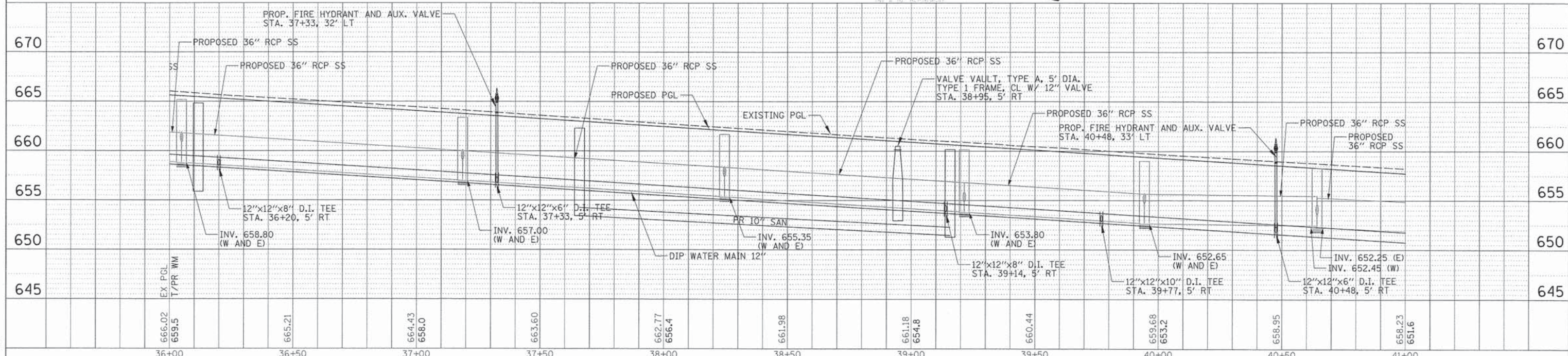
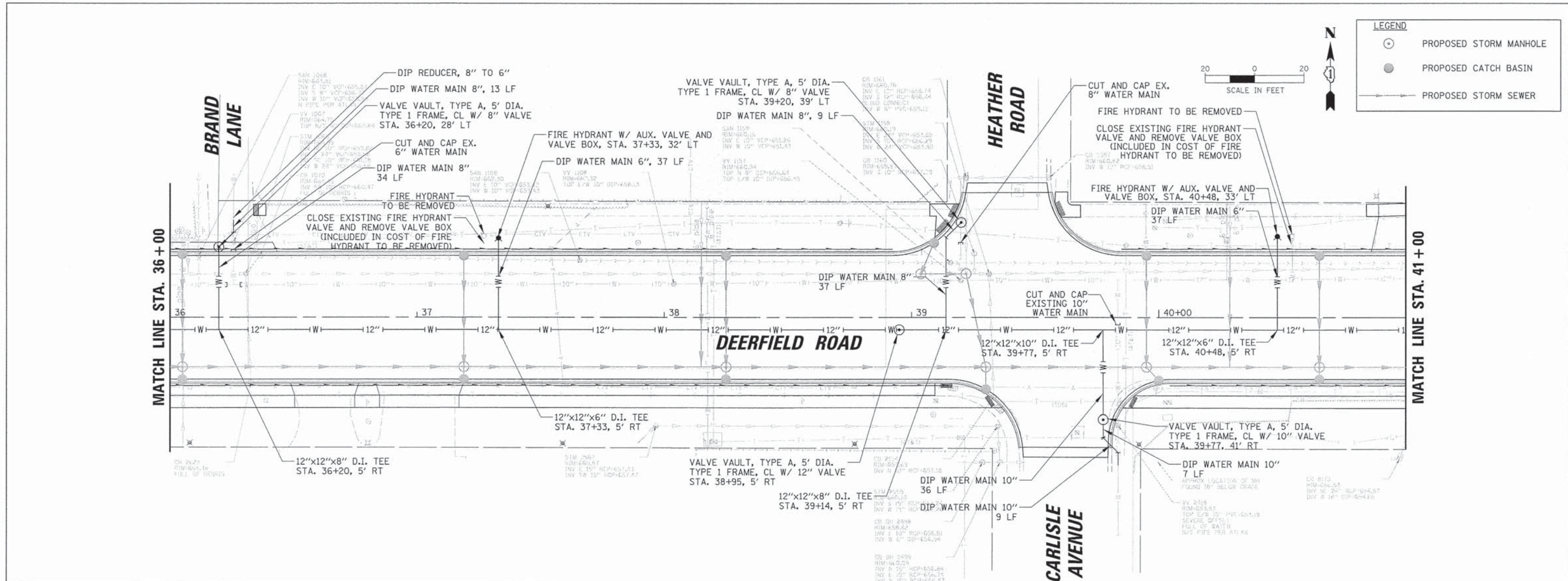
**WATER MAIN PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 6 OF 8 SHEETS    STA. 30+00 TO STA. 36+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	106
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
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NO.	NO.	
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NO.	NO.	

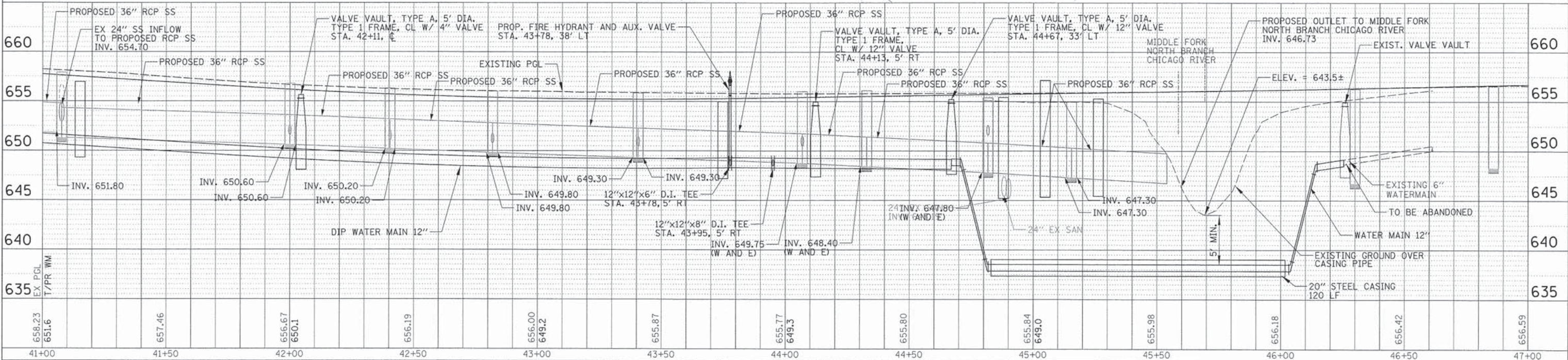
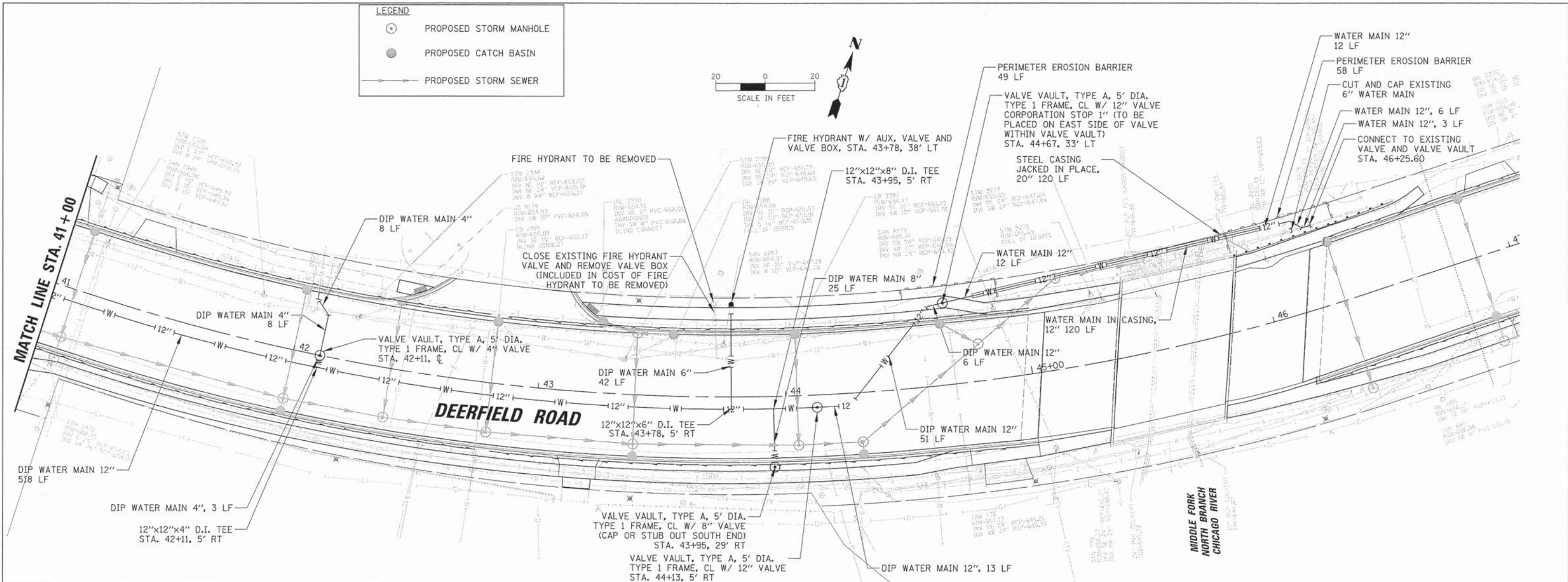
PROFILE	REVISIONS	DATE
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NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	



USER NAME = jptrick	DESIGNED - VMR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WATER MAIN PLAN AND PROFILE DEERFIELD ROAD</b>			F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 107	
PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE: 20H 5V	SHEET NO. 7 OF 8 SHEETS	STA. 36+00 TO STA. 41+00	ILLINOIS FED. AID PROJECT					
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -		CONTRACT NO. 63882								
	DATE -	REVISED -										

PLAN	REVISION	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	

PROFILE	REVISION	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	



USER NAME = jstrick  
 DESIGNED - VMR  
 DRAWN -  
 CHECKED - SNS  
 DATE -  
 PLOT SCALE = 20'  
 PLOT DATE = 8/30/2015

DESIGNED - VMR  
 REVISIONS -  
 CHECKED - SNS  
 DATE -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WATER MAIN PLAN AND PROFILE  
 DEERFIELD ROAD**

SCALE: 20H 5V SHEET NO. 8 OF 8 SHEETS STA. 41+00 TO STA. 47+00

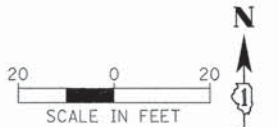
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	108
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				



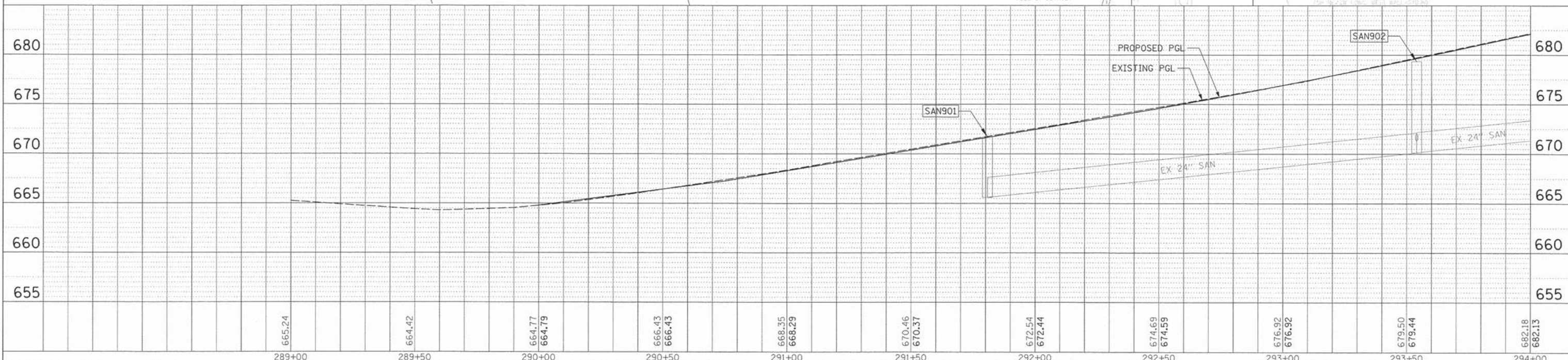
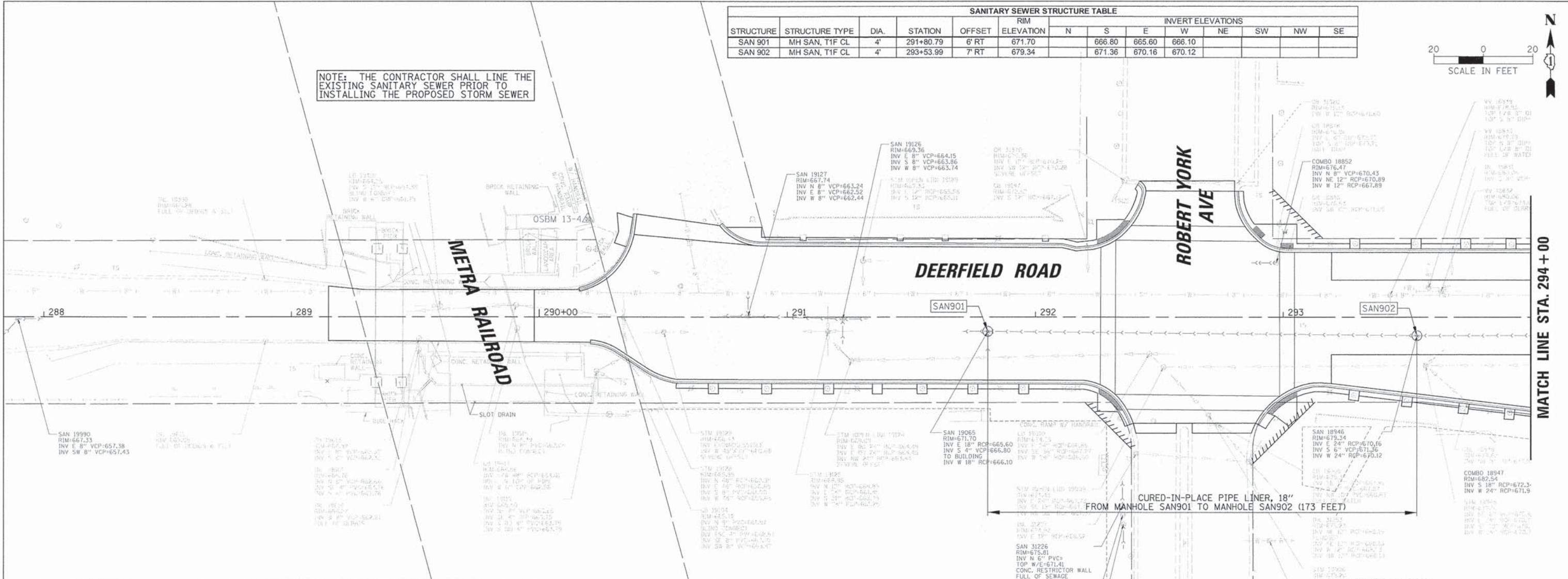
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REVISIONS	
NO.	

SANITARY SEWER STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS						
						N	S	E	W	NE	SW	NW
SAN 901	MH SAN, T1F CL	4'	291+80.79	6' RT	671.70		666.80	665.60	666.10			
SAN 902	MH SAN, T1F CL	4'	293+53.99	7' RT	679.34		671.36	670.16	670.12			



NOTE: THE CONTRACTOR SHALL LINE THE EXISTING SANITARY SEWER PRIOR TO INSTALLING THE PROPOSED STORM SEWER



289+00	665.24	289+50	664.42	290+00	664.77 664.79	290+50	666.43 666.43	291+00	668.35 668.29	291+50	670.46 670.37	292+00	672.54 672.44	292+50	674.69 674.59	293+00	676.92 676.92	293+50	679.60 679.44	294+00	682.18 682.13
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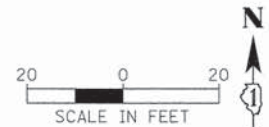
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	DRAWN -	REVISED -
PLOT SCALE = 20'	CHECKED - SNS	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SANITARY SEWER PLAN AND PROFILE  
DEERFIELD ROAD  
SCALE: 20H 5V SHEET NO. 1 OF 10 SHEETS STA. 288+00 TO STA. 294+00

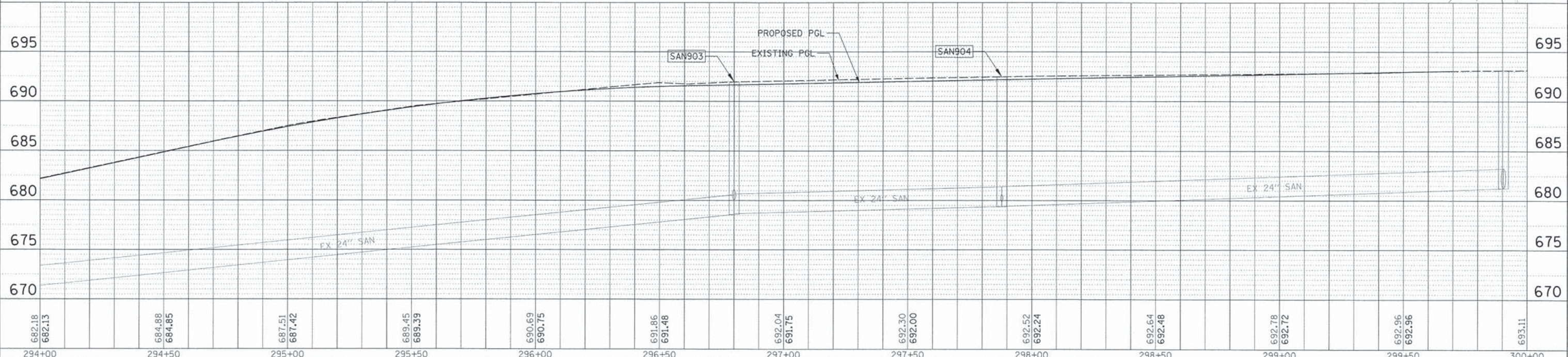
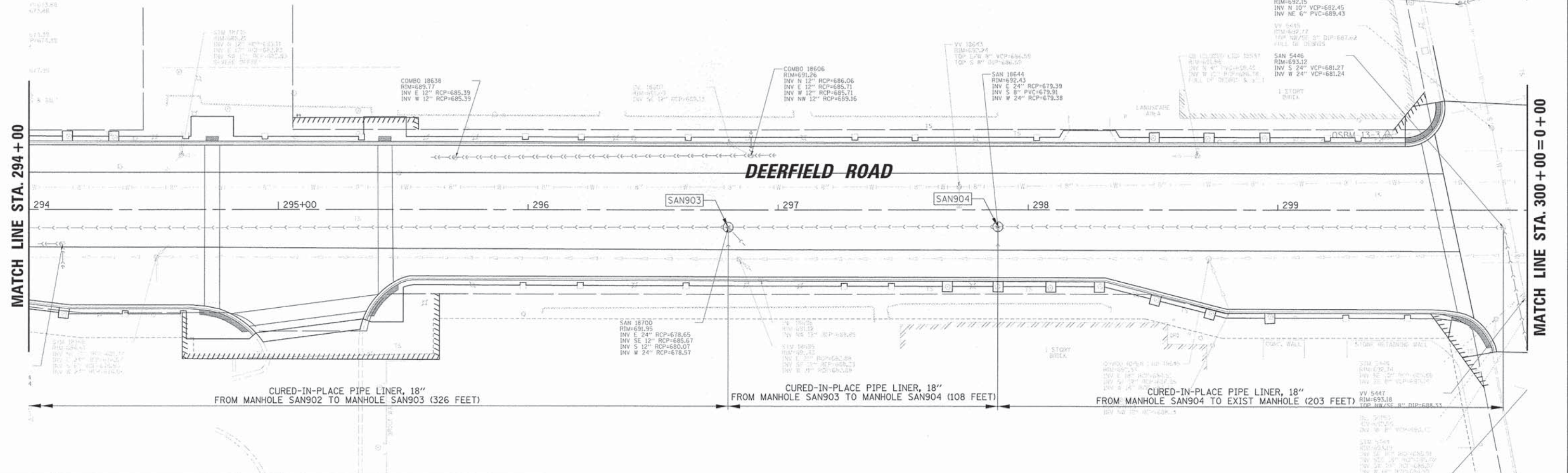
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 109
CONTRACT NO. 63882			[ILLINOIS] FED. AID PROJECT	

SANITARY SEWER STRUCTURE TABLE													
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS							
						N	S	E	W	NE	SW	NW	SE
SAN 903	MH SAN, T1F CL	4'	296+80.03	7' RT	691.95		680.07	678.65	678.57				685.67
SAN 904	MH SAN, T1F CL	4'	297+87.88	7' RT	692.43		679.91	679.39	679.38				



PLAN	DATE
BY	
REVISIONS	
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DATE	
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REVISIONS	
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BY	
REVISIONS	
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PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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REVISIONS	
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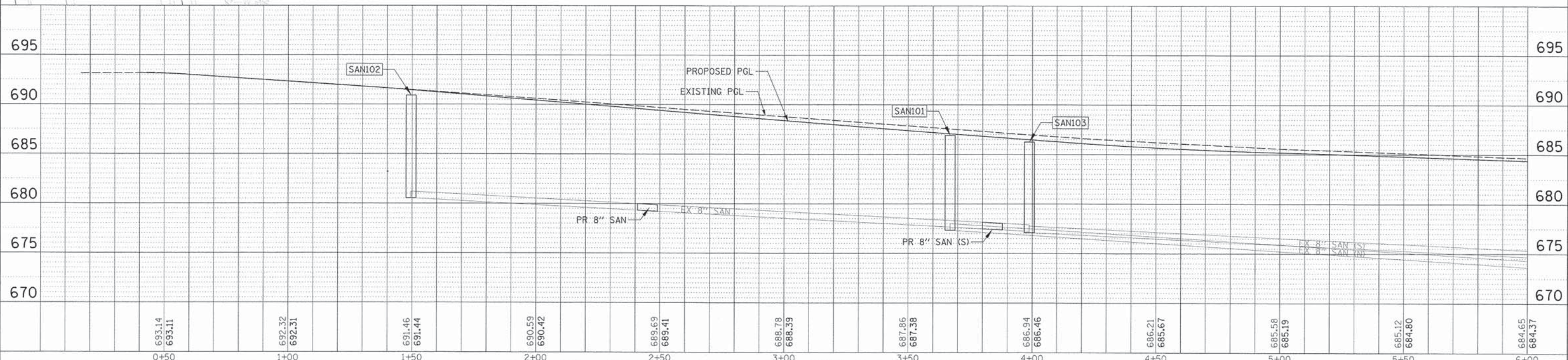
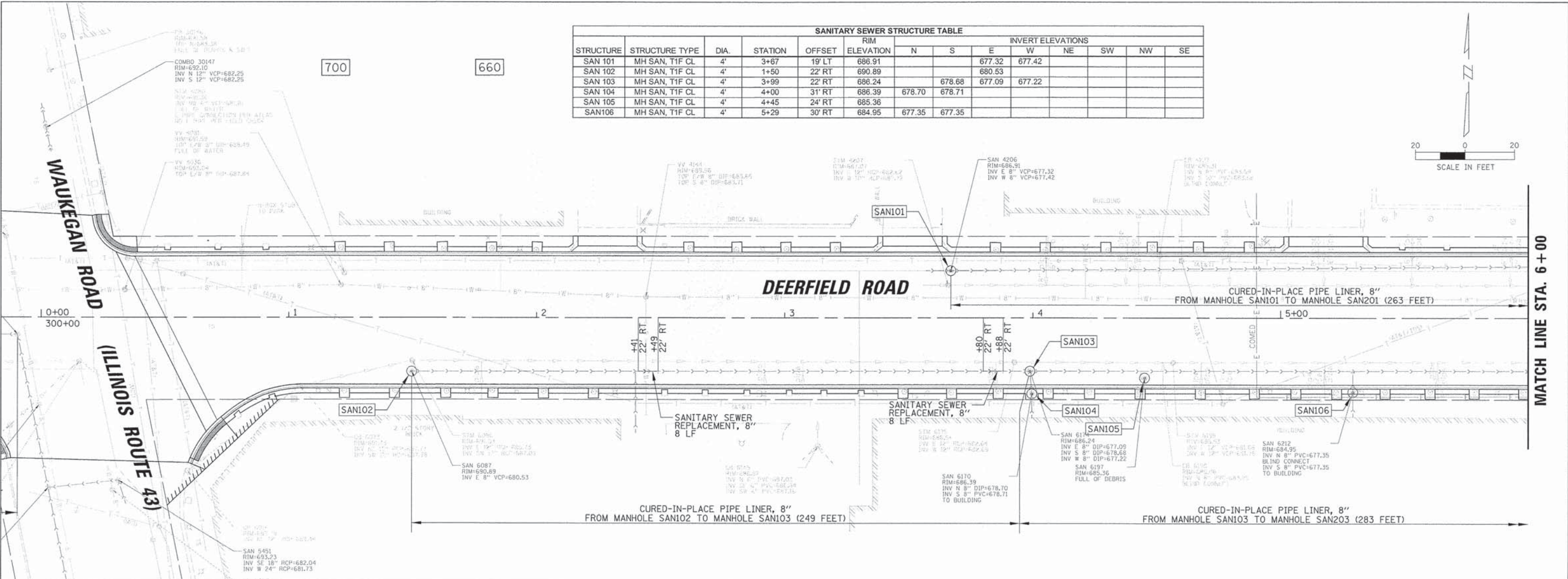
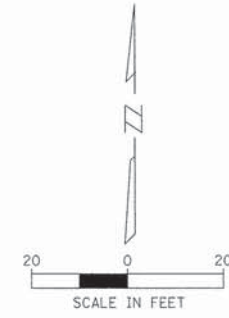


294+00	294+50	295+00	295+50	296+00	296+50	297+00	297+50	298+00	298+50	299+00	299+50	300+00
682.18	684.88	687.51	689.45	690.69	691.86	692.04	692.30	692.52	692.64	692.78	692.96	693.11
682.13	684.85	687.42	689.39	690.75	691.48	691.75	692.00	692.24	692.48	692.72	692.96	

USER NAME = jstrick	DESIGNED - VMR	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SANITARY SEWER PLAN AND PROFILE</b> <b>DEERFIELD ROAD</b>	F.A.U. R.T.E. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 110	
PLOT SCALE = 2"	DRAWN -	REVISED -			SCALE: 20H 5V	SHEET NO. 2 OF 10 SHEETS	STA. 294+00 TO STA. 300+00	CONTRACT NO. 63882		
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -			ILLINOIS FED. AID PROJECT					
	DATE -	REVISED -								

FILE NAME: N:\Deerfield\128414\Drain\UPP\_128414\_818.SHT

SANITARY SEWER STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS						
						N	S	E	W	NE	SW	NW
SAN 101	MH SAN, T1F CL	4'	3+67	19' LT	686.91			677.32	677.42			
SAN 102	MH SAN, T1F CL	4'	1+50	22' RT	690.89			680.53				
SAN 103	MH SAN, T1F CL	4'	3+99	22' RT	686.24		678.68	677.09	677.22			
SAN 104	MH SAN, T1F CL	4'	4+00	31' RT	686.39	678.70	678.71					
SAN 105	MH SAN, T1F CL	4'	4+45	24' RT	685.36							
SAN 106	MH SAN, T1F CL	4'	5+29	30' RT	684.95	677.35	677.35					



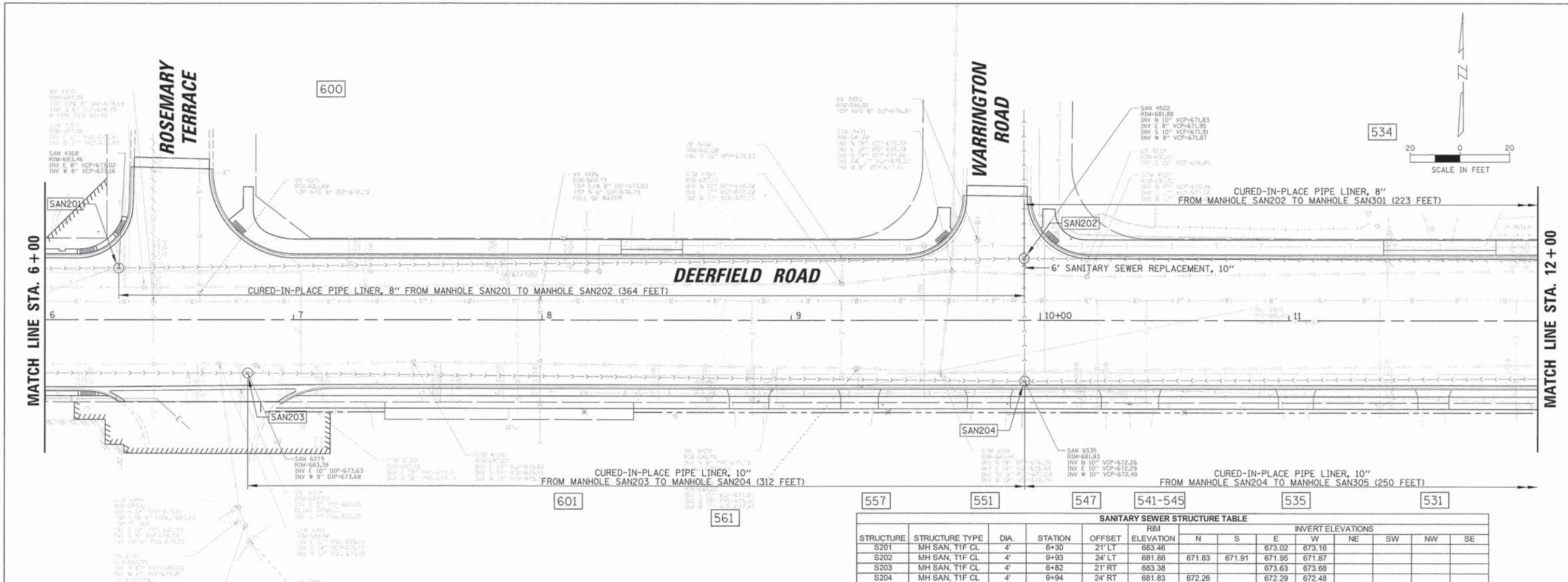
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PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE: 20H 5V	SHEET NO. 3 OF 10 SHEETS	STA. 0+00 TO STA. 6+00	1257	11-00092-00-PV	LAKE	424	111	
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -		CONTRACT NO. 63882	ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -										

DATE	BY	NO.

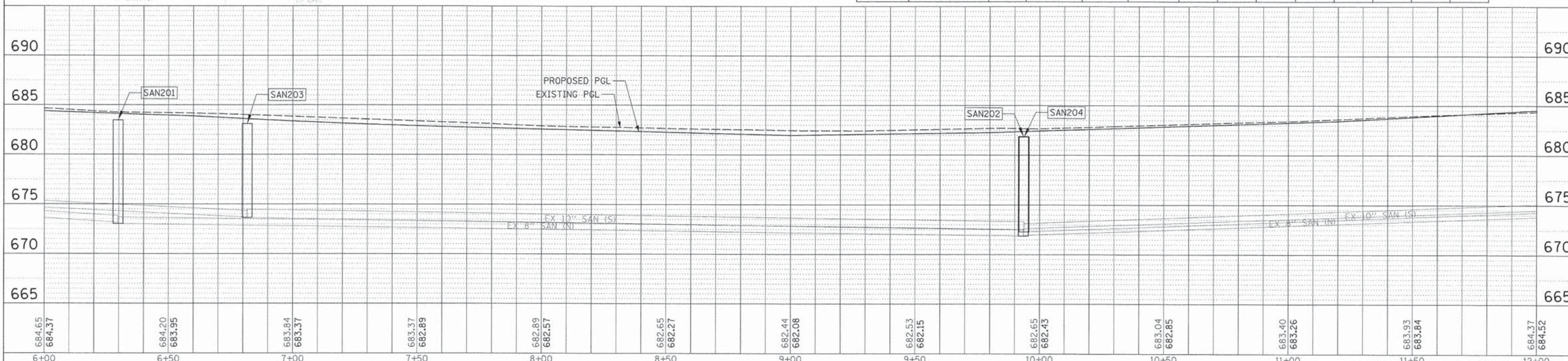
DATE	BY	NO.

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	
NOTE BOOK	
NO.	
FILE NAME	

DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NO.	
NOTE BOOK	
NO.	
FILE NAME	



SANITARY SEWER STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS						
						N	S	E	W	NE	SW	NW
S201	MH SAN, T1F CL	4'	6+30	21' LT	683.46			673.02	673.16			
S202	MH SAN, T1F CL	4'	9+93	24' LT	681.88	671.83	671.91	671.95	671.87			
S203	MH SAN, T1F CL	4'	6+82	21' RT	683.38			673.63	673.68			
S204	MH SAN, T1F CL	4'	9+94	24' RT	681.83	672.26		672.29	672.48			



USER NAME = jstrack	DESIGNED - VMR	REVISED -
DRAWN -	REVISOR -	
CHECKED - SNS	REVISOR -	
DATE - 8/30/2015	REVISOR -	

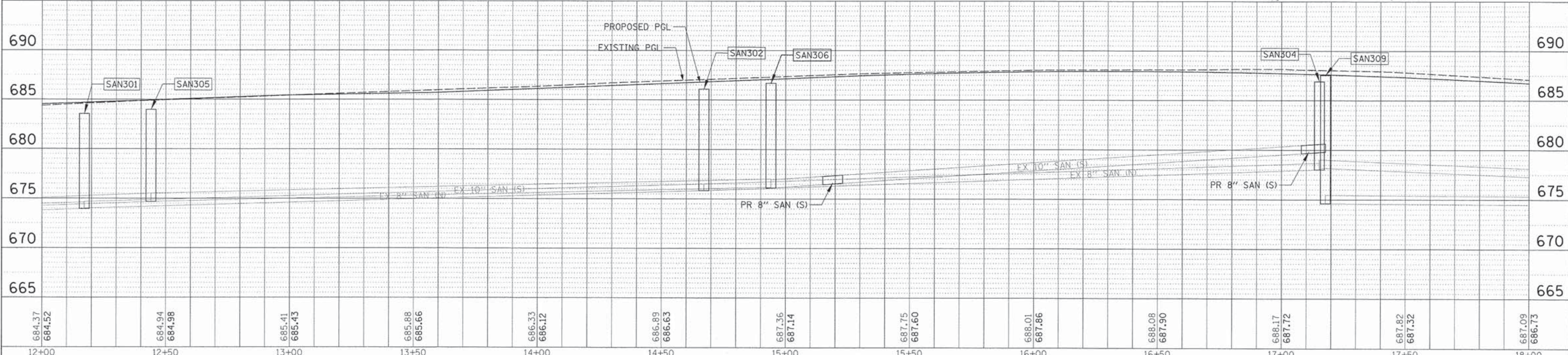
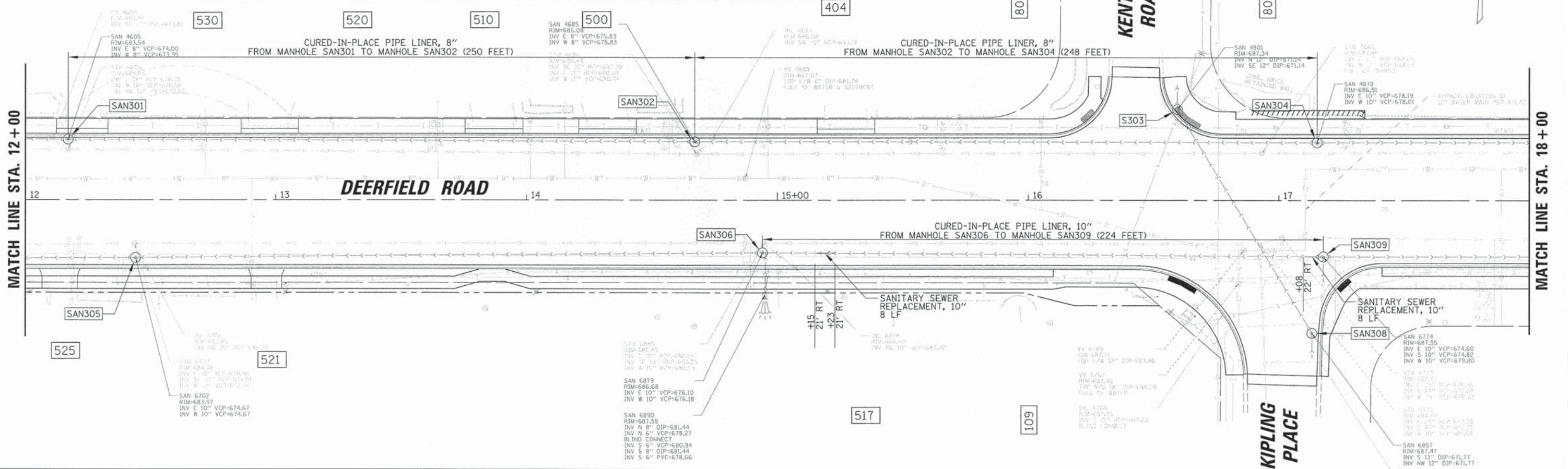
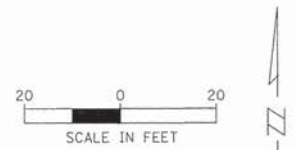
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SANITARY SEWER PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 4 OF 10 SHEETS    STA. 6+00 TO STA. 12+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 112
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

SANITARY SEWER STRUCTURE TABLE													
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS							
						N	S	E	W	NE	SW	NW	SE
SAN 301	MH SAN, T1F CL	4'	12+17	24' LT	683.54			674.00	673.95				
SAN 302	MH SAN, T1F CL	4'	14+67	23' LT	686.08			675.83	675.83				
SAN 303	MH SAN, T1F CL	4'	16+59	36' LT	687.34	671.14							671.14
SAN 304	MH SAN, T1F CL	4'	17+15	23' LT	686.91			678.19	648.01				
SAN 305	MH SAN, T1F CL	4'	12+44	23' RT	683.97			674.67	674.67				
SAN 306	MH SAN, T1F CL	4'	14+94	21' RT	686.68			676.10	676.18				
SAN 308	MH SAN, T1F CL	4'	17+13	53' RT	687.47		677.21	677.20	681.94				
SAN 309	MH SAN, T1F CL	4'	17+18	22' RT	687.73		674.82	674.60	679.80				



DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	

USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

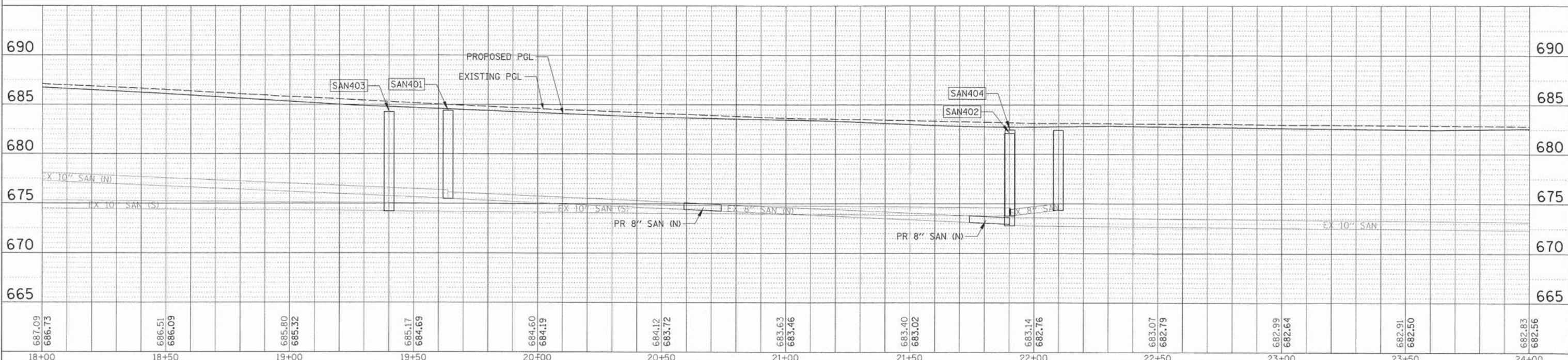
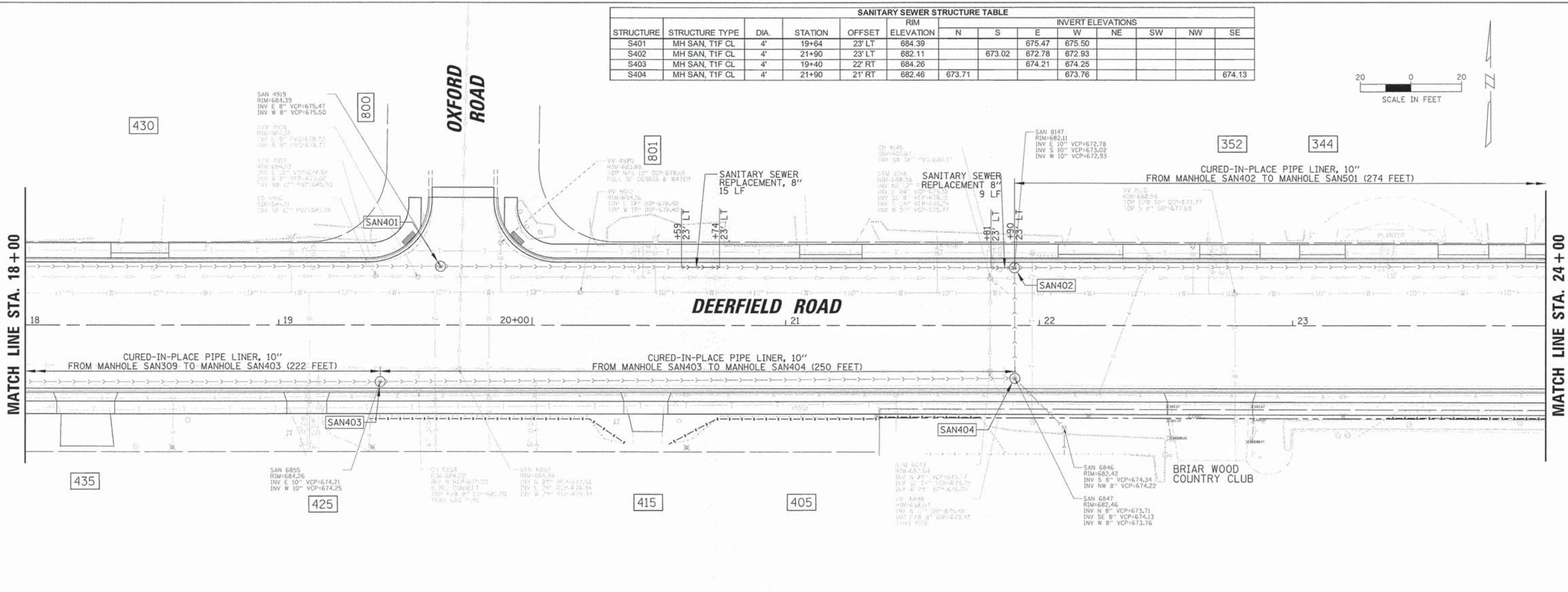
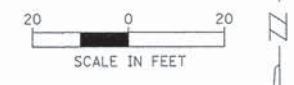
<b>SANITARY SEWER PLAN AND PROFILE</b>			
<b>DEERFIELD ROAD</b>			
SCALE: 20H 5V	SHEET NO. 5 OF 10 SHEETS	STA. 12+00 TO STA. 18+00	

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 113
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO.	
NO.	
NO.	
NO.	

STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS							
						N	S	E	W	NE	SW	NW	SE
S401	MH SAN, T1F CL	4'	19+64	23' LT	684.39			675.47	675.50				
S402	MH SAN, T1F CL	4'	21+90	23' LT	682.11		673.02	672.78	672.93				
S403	MH SAN, T1F CL	4'	19+40	22' RT	684.26			674.21	674.25				
S404	MH SAN, T1F CL	4'	21+90	21' RT	682.46	673.71			673.76				674.13



USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLANNED	DRAWN -	REVISED -
CHECKED - SNS	REVISIONS	
DATE - 8/30/2015		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

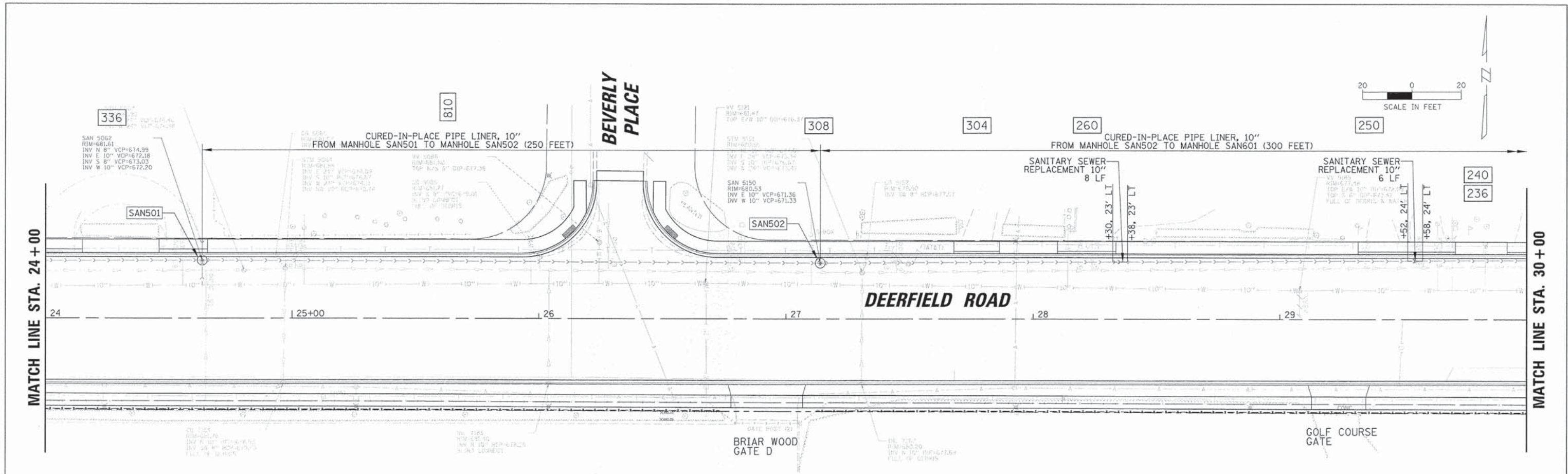
**SANITARY SEWER PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 6 OF 10 SHEETS    STA. 18+00 TO STA. 24+00

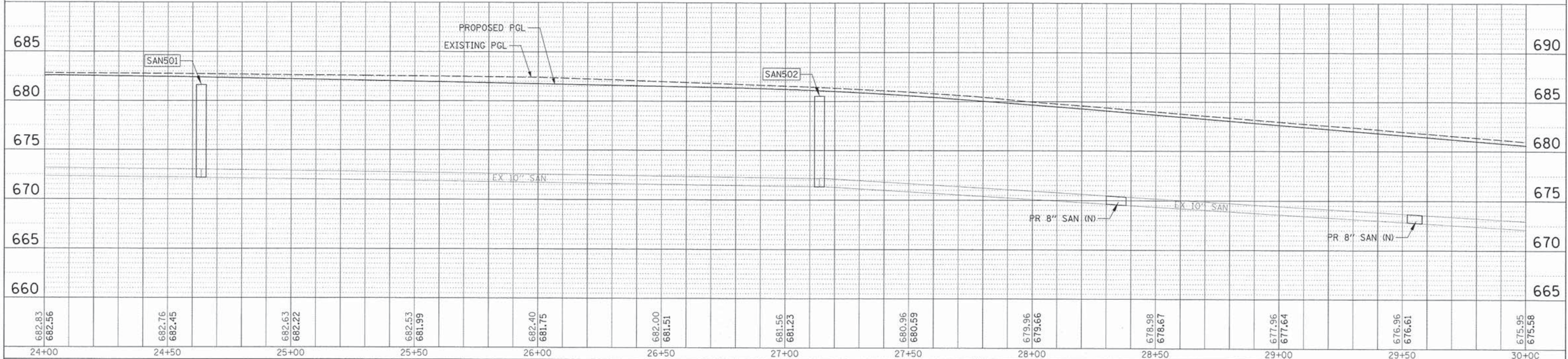
F.A.I. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 114
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_



SANITARY SEWER STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS						
						N	S	E	W	NE	SW	NW
S501	MH SAN, T1F CL	4'	24+64	24' LT	681.61	674.99	673.03	672.18	672.20			
S502	MH SAN, T1F CL	4'	27+14	23' LT	680.53			671.36	673.33			



USER NAME: jstrick	DESIGNED: VMR	REVISED: -
	DRAWN: -	REVISED: -
	CHECKED: SNS	REVISED: -
	DATE: -	REVISED: -

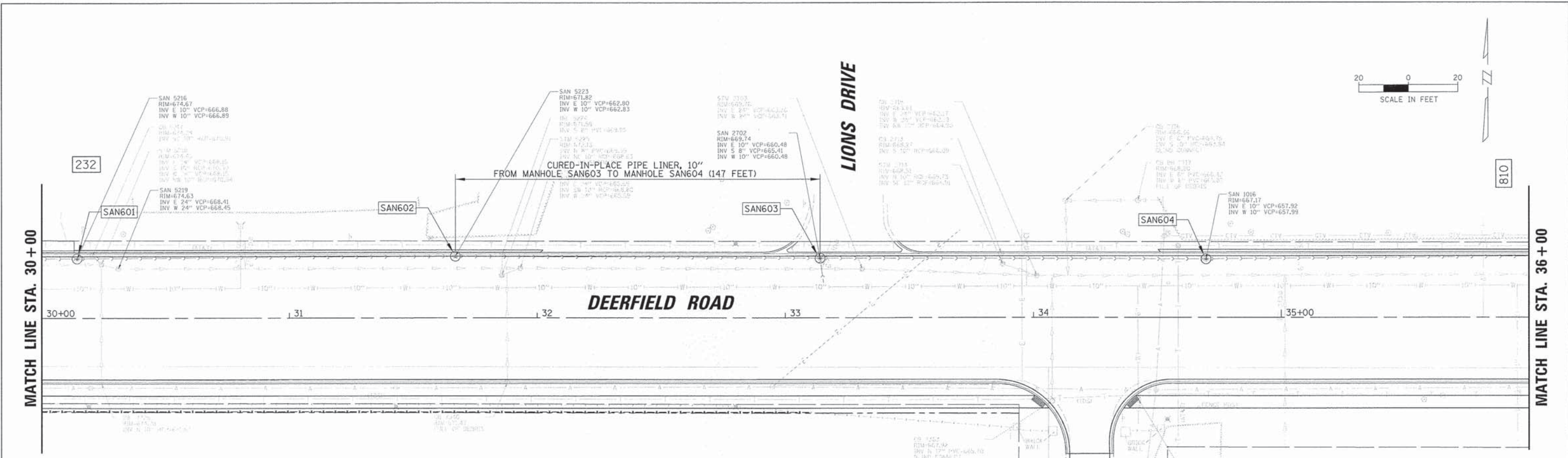
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SANITARY SEWER PLAN AND PROFILE**  
**DEERFIELD ROAD**  
 SCALE: 20H 5V SHEET NO. 7 OF 10 SHEETS STA. 24+00 TO STA. 30+00

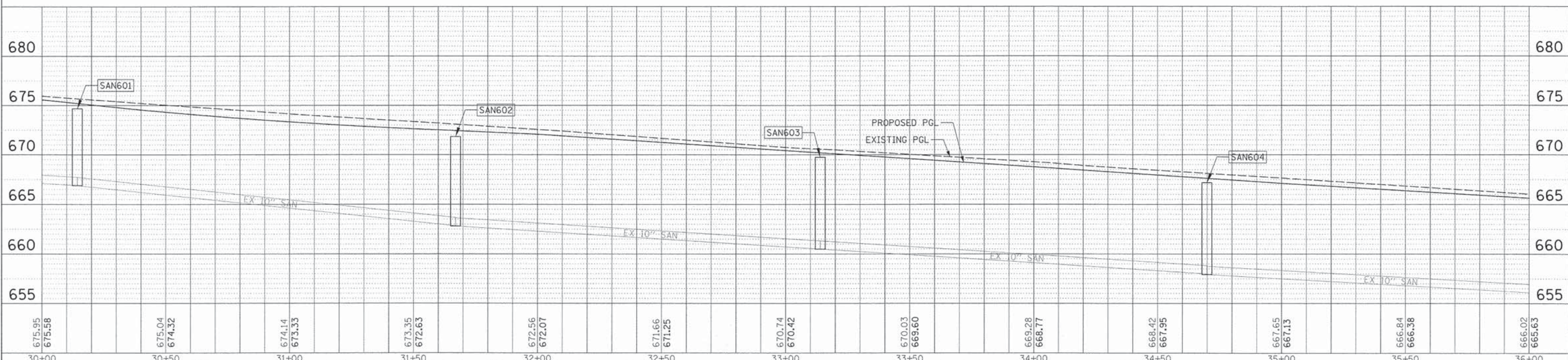
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 115
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN  
 REVISIONS  
 PLOTTED  
 ALIGNED  
 CHECKED  
 NOTE BOOK  
 NO.

PROFILE  
 REVISIONS  
 PLOTTED  
 GRADES  
 CHECKED  
 STRUCTURE  
 NOTATIONS  
 NO.



SANITARY SEWER STRUCTURE TABLE													
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS							
						N	S	E	W	NE	SW	NW	SE
SAN 601	MH SAN, T1F CL	4'	30+14	24' LT	674.67			666.88	666.89				
SAN 602	MH SAN, T1F CL	4'	31+67	25' LT	671.82			662.80	662.83				
SAN 603	MH SAN, T1F CL	4'	33+14	24' LT	669.74		665.41	660.48	660.48				
SAN 604	MH SAN, T1F CL	4'	34+70	24' LT	667.17			657.92	657.99				



USER NAME = jstrick  
 DESIGNED - VMR  
 DRAWN -  
 CHECKED - SNS  
 DATE -

REVISIONS  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

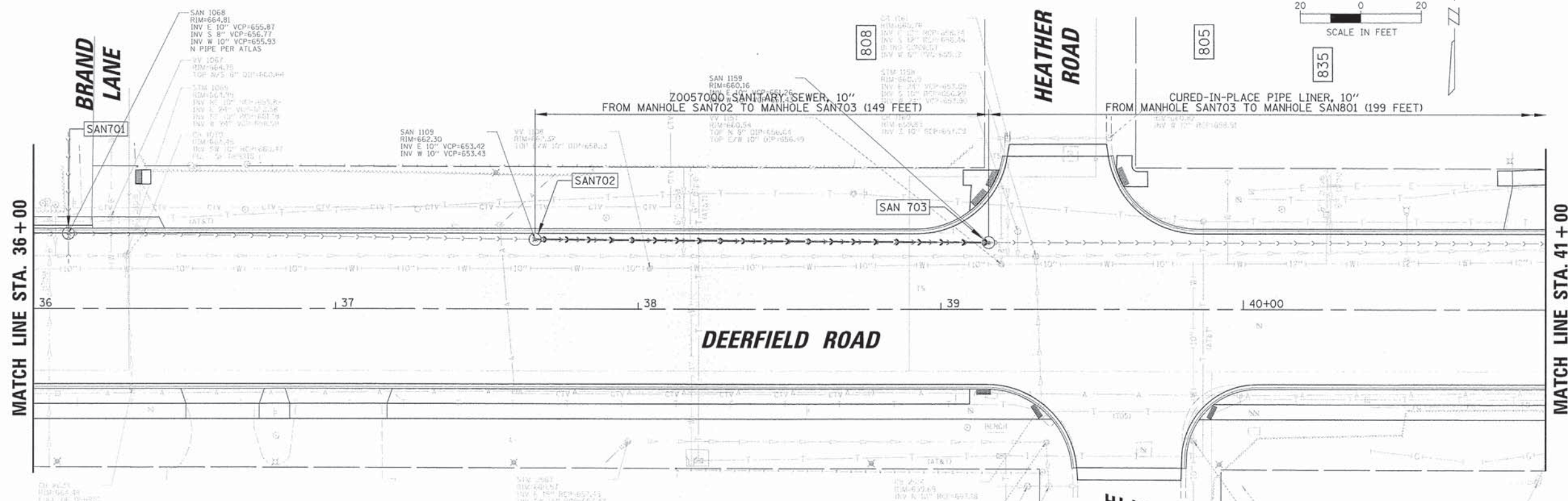
SANITARY SEWER PLAN AND PROFILE  
 DEERFIELD ROAD  
 SCALE: 20H 5V  
 SHEET NO. 8 OF 10 SHEETS  
 STA. 30+00 TO STA. 36+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 116
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

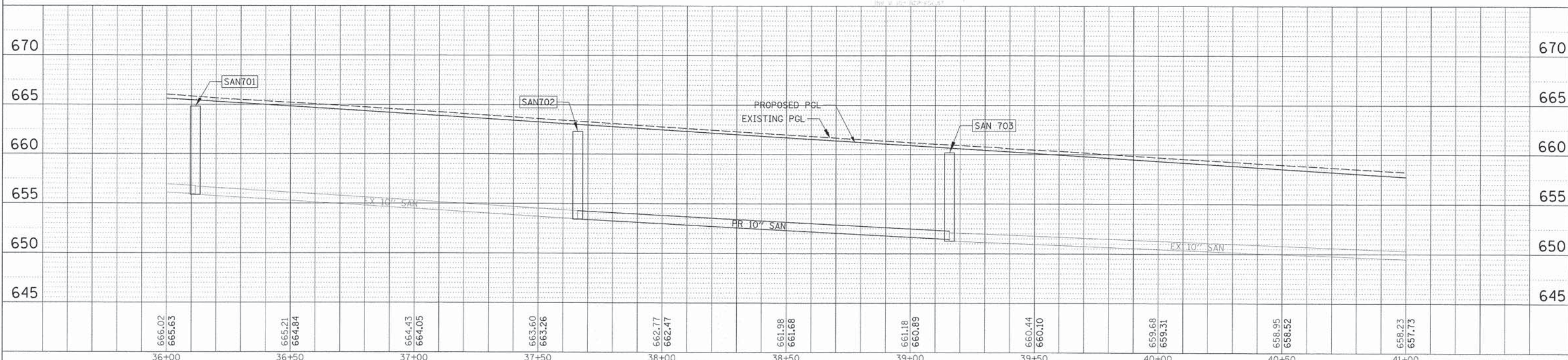


PL AN	REVISIONS	DATE
NOTE BOOK	NO.	

PROFILE	REVISIONS	DATE
NOTE BOOK	NO.	



STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS								
						N	S	E	W	NE	SW	NW	SE	
S701	MH SAN, T1F CL	4'	36+12	25' LT	664.81		656.77	655.87	655.93					
S702	MH SAN, T1F CL	4'	37+66	23' LT	662.30			653.42	653.43					
S703	MH SAN, T1F CL	4'	39+13	23' LT	660.16			651.26	651.43					



USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLDT SCALE = 20'	DRAWN -	REVISED -
PLDT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SANITARY SEWER PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 9 OF 10 SHEETS    STA. 36+00 TO STA. 41+00

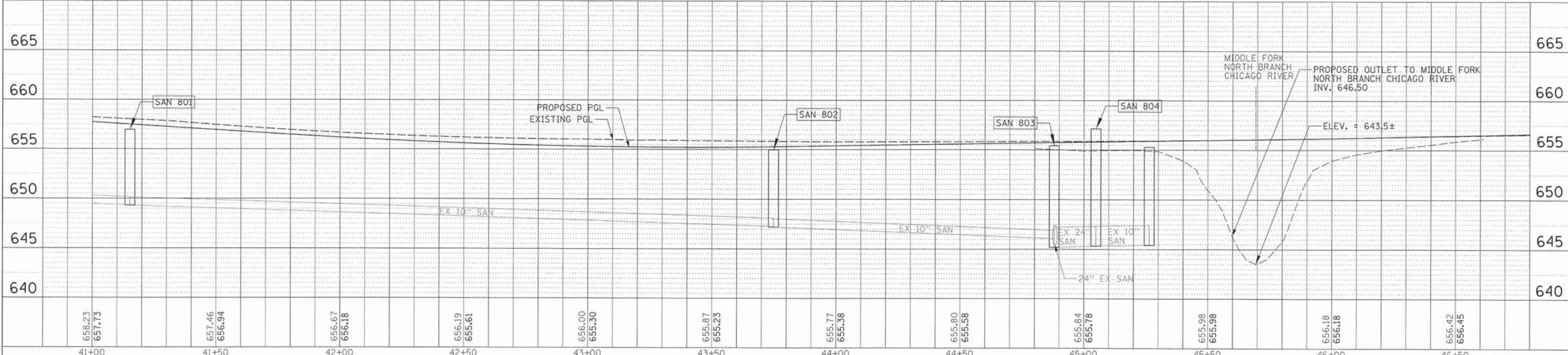
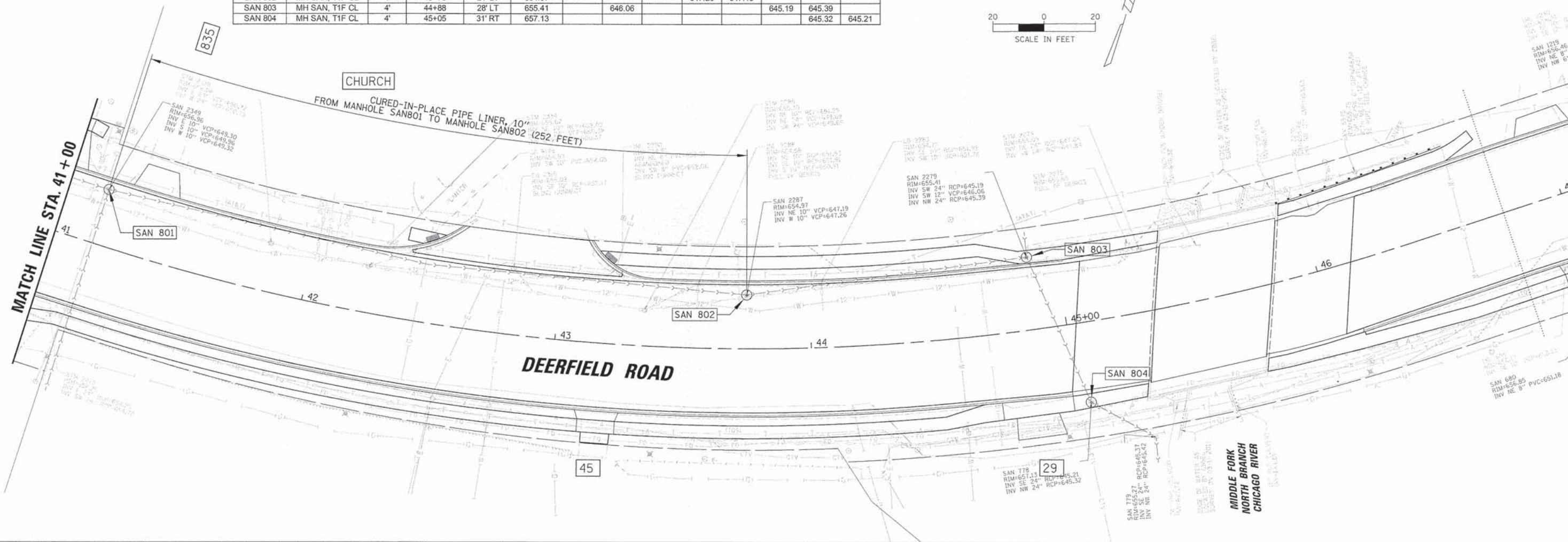
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 117
			CONTRACT NO. 63882	
ILLINOIS FED. AID PROJECT				

SANITARY SEWER STRUCTURE TABLE												
STRUCTURE	STRUCTURE TYPE	DIA.	STATION	OFFSET	RIM ELEVATION	INVERT ELEVATIONS						
						N	S	E	W	NE	SW	NW
SAN 801	MH SAN, T1F CL	4'	41+15	22' LT	656.96		649.96	649.30	649.32			
SAN 802	MH SAN, T1F CL	4'	43+75	21' LT	654.97			647.26	647.19			
SAN 803	MH SAN, T1F CL	4'	44+88	28' LT	655.41		646.06			645.19	645.39	
SAN 804	MH SAN, T1F CL	4'	45+05	31' RT	657.13					645.32	645.21	



PLAN	BY	DATE
REVISIONS		
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DATE		
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DESCRIPTION		

PROFILE	BY	DATE
REVISIONS		
NO.		
DATE		
BY		
DESCRIPTION		



658.23	657.73	657.46	656.94	656.67	656.18	656.19	655.61	656.00	655.30	655.87	655.23	655.77	655.38	655.80	655.58	655.84	655.78	655.98	655.98	656.18	656.18	656.42	656.45
41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00	45+50	46+00	46+50												

USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLDT SCALE = 28'	DRAWN -	REVISED -
PLDT DATE = 6/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

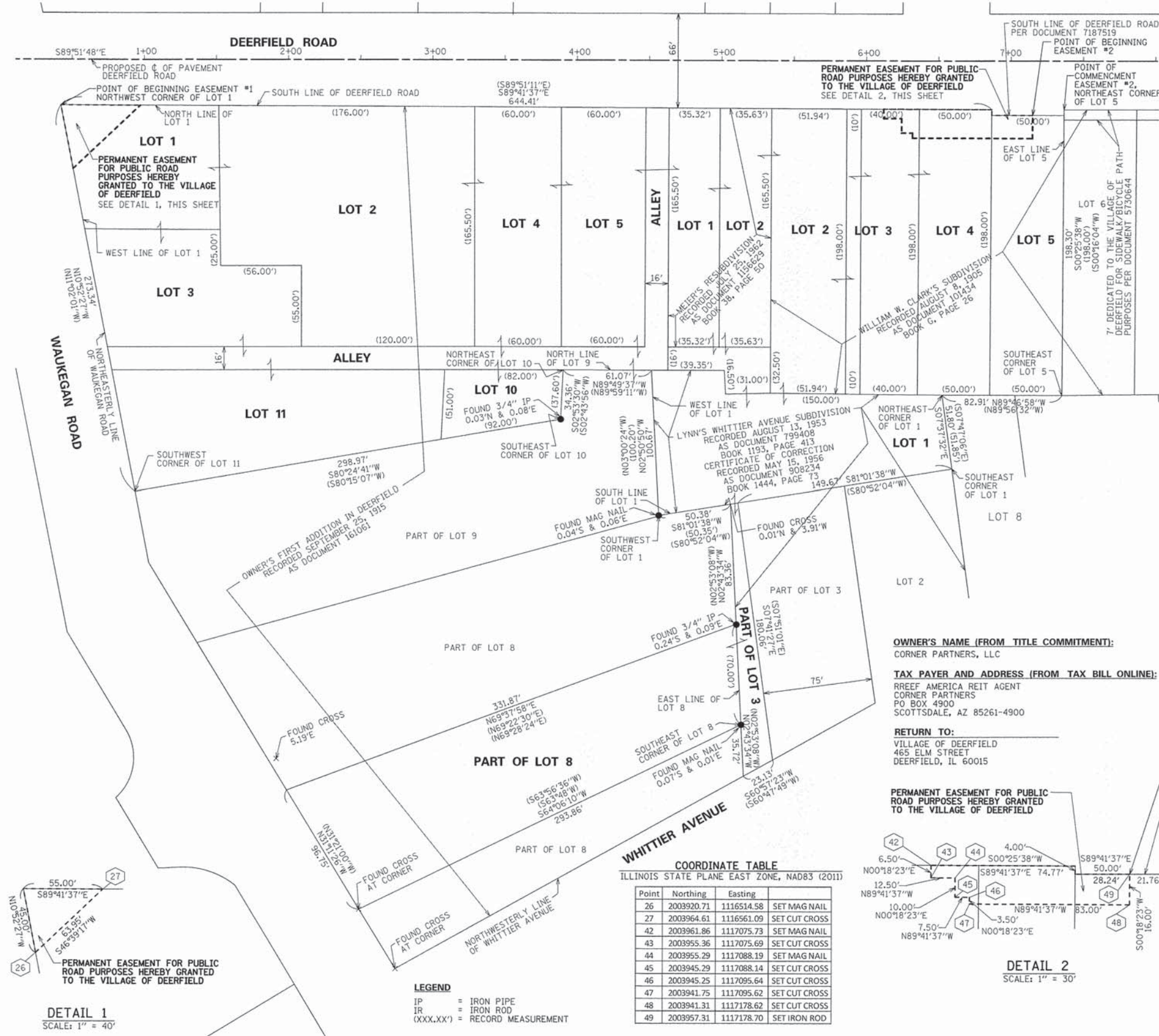
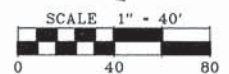
**SANITARY SEWER PLAN AND PROFILE  
DEERFIELD ROAD**

SCALE: 20H 5V    SHEET NO. 10 OF 10 SHEETS    STA. 41+00 TO STA. 46+50

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 118
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD

BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT CORNER PARTNERS, LLC ARE THE OWNERS OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS ) SS  
COUNTY OF LAKE )

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**  
RREEF AMERICA REIT AGENT  
CORNER PARTNERS  
PO BOX 4900  
SCOTTSDALE, AZ 85261-4900

**RETURN TO:**  
VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
COUNTY ENGINEER

**P.I.N. FOR CONVEYED PARCEL:**  
16-33-102-095  
16-33-102-010

**LEGAL DESCRIPTION OF CONVEYANCE:**

**EASEMENT #1**  
THAT PART OF LOT 1 IN OWNER'S FIRST ADDITION TO DEERFIELD, BEING A SUBDIVISION OF PART OF THE NORTH HALF OF SECTION 33, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED SEPTEMBER 25, 1915, AS DOCUMENT NUMBER 161061, IN BOOK "J" OF PLATS, PAGES 46 AND 47, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 1; THENCE SOUTH 89 DEGREES 41 MINUTES 37 SECONDS EAST ALONG THE NORTH LINE OF SAID LOT 1 A DISTANCE OF 55.00 FEET; THENCE SOUTH 46 DEGREES 39 MINUTES 17 SECONDS WEST 63.95 FEET TO A POINT ON THE WEST LINE OF SAID LOT 1; THENCE NORTH 10 DEGREES 52 MINUTES 27 SECONDS WEST ALONG SAID WEST LINE 45.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**EASEMENT #2**  
THAT PART OF LOTS 3, 4 AND 5 IN WILLIAM W. CLARK'S SUBDIVISION IN THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 8, 1905, AS DOCUMENT NUMBER 101434, IN BOOK "G" OF PLATS, PAGE 26, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF LOT 6 IN SAID WILLIAM W. CLARK'S SUBDIVISION; THENCE SOUTH 00 DEGREES 25 MINUTES 38 SECONDS WEST ALONG THE WEST LINE OF SAID LOT 6, A DISTANCE OF 4.00 FEET TO THE SOUTH LINE OF DEERFIELD ROAD PER DOCUMENT 7187519; THENCE NORTH 89 DEGREES 41 MINUTES 37 SECONDS WEST ALONG SAID SOUTH LINE OF DEERFIELD ROAD, A DISTANCE OF 21.76 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 00 DEGREES 18 MINUTES 23 SECONDS WEST 16.00 FEET; THENCE NORTH 89 DEGREES 41 MINUTES 37 SECONDS WEST 83.00 FEET; THENCE NORTH 00 DEGREES 18 MINUTES 23 SECONDS EAST 3.50 FEET; THENCE NORTH 89 DEGREES 41 MINUTES 37 SECONDS WEST 7.50 FEET; THENCE NORTH 00 DEGREES 18 MINUTES 23 SECONDS EAST 10.00 FEET; THENCE NORTH 89 DEGREES 41 MINUTES 37 SECONDS WEST 12.50 FEET; THENCE NORTH 00 DEGREES 18 MINUTES 23 SECONDS EAST 6.50 FEET TO A POINT ON THE NORTH LINE OF SAID LOT 3 ALSO BEING THE SOUTH LINE OF DEERFIELD ROAD; THENCE SOUTH 89 DEGREES 41 MINUTES 37 SECONDS EAST ALONG THE NORTH LINE OF SAID LOTS 3 AND 4, ALSO BEING THE SOUTH LINE OF DEERFIELD ROAD, A DISTANCE OF 74.77 FEET TO THE NORTHEAST CORNER OF SAID LOT 4; THENCE SOUTH 00 DEGREES 25 MINUTES 38 SECONDS WEST ALONG THE EAST LINE OF SAID LOT 4, A DISTANCE OF 4.00 FEET TO THE SOUTH LINE OF DEERFIELD ROAD PER DOCUMENT 7187519; THENCE SOUTH 89 DEGREES 41 MINUTES 37 SECONDS EAST ALONG SAID SOUTH LINE OF DEERFIELD ROAD, A DISTANCE OF 28.24 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 187,524 SQ. FT. 4.305 ACRES  
CONVEYED AREA (PERMANENT EASEMENT #1) = 1,214 SQ. FT. 0.028 ACRES  
CONVEYED AREA (PERMANENT EASEMENT #2) = 1,752 SQ. FT. 0.040 ACRES

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS ) SS  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

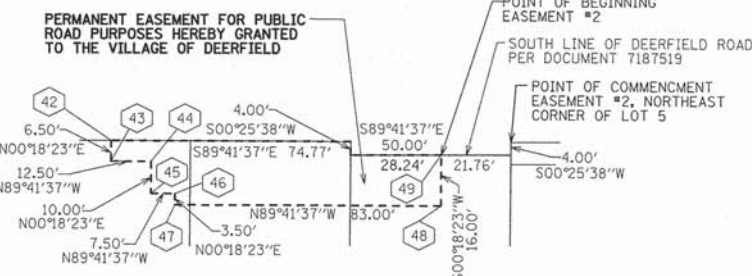
C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET
26	2003920.71	1116514.58	SET MAG NAIL
27	2003964.61	1116561.09	SET CUT CROSS
42	2003961.86	1117075.73	SET MAG NAIL
43	2003955.36	1117075.69	SET CUT CROSS
44	2003955.29	1117088.19	SET MAG NAIL
45	2003945.29	1117088.14	SET CUT CROSS
46	2003945.25	1117095.64	SET CUT CROSS
47	2003941.75	1117095.62	SET CUT CROSS
48	2003941.31	1117178.62	SET CUT CROSS
49	2003957.31	1117178.70	SET IRON ROD



**DETAIL 2**  
SCALE: 1" = 30'

**DETAIL 1**  
SCALE: 1" = 40'

**LEGEND**  
IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**REVISIONS:**

10/22/2014	
11/11/2014	
12/08/2014	
01/28/2015	
04/01/2015	
05/19/2015	



<b>CONSULTING ENGINEERS</b>	DATE: 09/15/2014
<b>SITE DEVELOPMENT ENGINEERS</b>	JOB NO: 8355
<b>LAND SURVEYORS</b>	FILENAME:
	8355 16-33-102-095
	SHEET
	119 OF 424

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



BASIS OF BEARINGS: BEARINGS ARE IN RELATION TO ILLINOIS STATE PLANE COORDINATES SYSTEM, NAD 83, EAST ZONE

### OWNER'S CONSENT:

THIS IS TO CERTIFY THAT DEERLAND SQUARE, LTD., AN ILLINOIS CORPORATION, ARE THE OWNERS OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD A PERMANENT NON-EXCLUSIVE RIGHT AND EASEMENT IN, BELOW, OVER, ABOVE AND THROUGH THE EASEMENT PARCELS LEGALLY DESCRIBED HEREON TO INSTALL, OPERATE, USE, MAINTAIN, REPAIR, REPLACE AND REMOVE, FROM TIME TO TIME, TRAFFIC SIGNAL POLES, TRAFFIC CONTROL SIGNALS, PEDESTRIAN SIGNALS AND RELATED TRAFFIC SIGNAL EQUIPMENT ON THE EASEMENT PARCELS, INCLUDING BUT NOT LIMITED TO ALL NECESSARY AND APPROPRIATE ELECTRONIC AND OPTICAL DEVICES, EQUIPMENT, CONTROLLERS, CABLES, CONDUITS AND RELATED FACILITIES (COLLECTIVELY "GRANTEE'S FACILITIES") AND APPURTENANCES AS REASONABLY REQUIRED FOR OPERATING AND CONTROLLING GRANTEE'S TRAFFIC CONTROL SYSTEM.

GRANTEE SHALL, AT ITS SOLE COST AND EXPENSE, KEEP AND MAINTAIN GRANTEE'S FACILITIES WITHIN THE EASEMENT PARCELS IN GOOD REPAIR, AND ANY DISTURBANCE TO THE GRANTEE'S PHYSICAL IMPROVEMENTS, HARDSCAPE IMPROVEMENTS OR LANDSCAPING LOCATED WITHIN THE EASEMENT PARCELS CAUSED BY THE CONSTRUCTION, OPERATION, USE, REPAIR, MAINTENANCE, REMOVAL OR REPLACEMENT OF GRANTEE'S FACILITIES IN THE EASEMENT PARCELS SHALL BE REPAIRED AND RESTORED BY GRANTEE, AT GRANTEE'S SOLE COST AND EXPENSE, TO THE SAME OR BETTER CONDITION AS EXISTED PRIOR TO SUCH DISTURBANCE.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**  
STATE OF ILLINOIS )  
COUNTY OF LAKE ) SS

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

### P.I.N. FOR CONVEYED PARCEL:

16-33-101-024  
16-32-207-002

### LEGAL DESCRIPTION OF CONVEYANCE:

**EASEMENT #1**  
THAT PART OF LOT 1 IN THE SHOPS AT DEERFIELD SQUARE, BEING A RESUBDIVISION OF PART OF THE NORTHEAST QUARTER OF SECTION 32 AND THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 43 NORTH, RANGE 12 EAST, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 15, 2001 AS DOCUMENT NUMBER 4746622, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHERN MOST NORTHWEST CORNER OF SAID LOT 1, SAID POINT BEING ON THE SOUTH LINE OF DEERFIELD ROAD; THENCE SOUTH 89 DEGREES 48 MINUTES 01 SECONDS EAST, ALONG THE NORTH LINE OF SAID LOT 1, A DISTANCE OF 15.94 FEET; THENCE SOUTH 45 DEGREES 12 MINUTES 02 SECONDS WEST, 35.36 FEET TO A POINT ON THE WEST LINE OF SAID LOT 1; THENCE NORTH 00 DEGREES 12 MINUTES 05 SECONDS EAST, ALONG SAID WEST LINE, 6.22 FEET TO A POINT OF CURVATURE; THENCE NORTHEASTERLY 21.58 FEET ALONG SAID WESTERLY LINE, BEING THE ARC OF A TANGENT CIRCLE TO THE RIGHT HAVING A RADIUS OF 24.00 FEET AND WHOSE CHORD BEARS NORTH 25 DEGREES 57 MINUTES 33 SECONDS EAST, 20.86 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**EASEMENT #2**  
THAT PART OF LOT 1 IN THE SHOPS AT DEERFIELD SQUARE, BEING A RESUBDIVISION OF PART OF THE NORTHEAST QUARTER OF SECTION 32 AND THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 43 NORTH, RANGE 12 EAST, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 15, 2001 AS DOCUMENT NUMBER 4746622, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHERN MOST NORTHWEST CORNER OF SAID LOT 1, SAID POINT BEING ON THE SOUTH LINE OF DEERFIELD ROAD; THENCE SOUTH 89 DEGREES 48 MINUTES 01 SECONDS EAST, ALONG THE NORTH LINE OF SAID LOT 1, A DISTANCE OF 60.04 FEET TO A BEND POINT; THENCE SOUTH 83 DEGREES 13 MINUTES 03 SECONDS EAST, ALONG SAID NORTH LINE, 64.26 FEET TO A BEND POINT; THENCE SOUTH 89 DEGREES 39 MINUTES 20 SECONDS EAST, ALONG SAID NORTH LINE, 40.35 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING SOUTH 89 DEGREES 39 MINUTES 20 SECONDS EAST, ALONG SAID NORTH LINE, 16.03 FEET TO A POINT OF CURVATURE; THENCE SOUTHEASTERLY 17.33 FEET, ALONG SAID NORTH LINE, BEING THE ARC OF A TANGENT CIRCLE TO THE RIGHT HAVING A RADIUS OF 18.50 FEET AND WHOSE CHORD BEARS SOUTH 62 DEGREES 49 MINUTES 30 SECONDS EAST, 16.70 FEET TO A BEND POINT; THENCE SOUTH 89 DEGREES 39 MINUTES 20 SECONDS EAST, ALONG SAID NORTH LINE, 42.92 FEET TO A POINT ON A NON-TANGENT CURVE; THENCE NORTHEASTERLY 18.09 FEET, ALONG SAID NORTHERLY LINE, BEING THE ARC OF A NON-TANGENT CIRCLE TO THE RIGHT HAVING A RADIUS OF 24.00 FEET AND WHOSE CHORD BEARS NORTH 30 DEGREES 53 MINUTES 01 SECONDS EAST, 17.67 FEET TO A BEND POINT; THENCE SOUTH 89 DEGREES 48 MINUTES 01 SECONDS EAST, ALONG SAID NORTH LINE, 20.15 FEET; THENCE SOUTH 00 DEGREES 08 MINUTES 12 SECONDS WEST, 26.27 FEET; THENCE NORTH 89 DEGREES 39 MINUTES 20 SECONDS WEST, 103.00 FEET; THENCE NORTH 00 DEGREES 08 MINUTES 12 SECONDS EAST, 18.54 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**EASEMENT #3:**  
THAT PART OF LOT 1 IN THE SHOPS AT DEERFIELD SQUARE, BEING A RESUBDIVISION OF PART OF THE NORTHEAST QUARTER OF SECTION 32 AND THE NORTHWEST QUARTER OF SECTION 33, TOWNSHIP 43 NORTH, RANGE 12 EAST, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 15, 2001 AS DOCUMENT NUMBER 4746622, DESCRIBED AS FOLLOWS: BEGINNING AT THE EASTERN MOST NORTHEAST CORNER OF SAID LOT 1, SAID POINT BEING ON THE WEST LINE OF WAUKEGAN ROAD; THENCE SOUTH 11 DEGREES 05 MINUTES 01 SECONDS EAST, ALONG THE EAST LINE OF SAID LOT 1, A DISTANCE OF 23.44 FEET; THENCE NORTH 35 DEGREES 44 MINUTES 17 SECONDS WEST, 36.34 FEET TO A POINT ON THE NORTH LINE OF SAID LOT 1; THENCE EASTERLY ALONG THE NORTHEASTERLY LINE OF SAID LOT 1, A DISTANCE OF 18.34 FEET, ALONG THE ARC OF A CIRCLE TO THE RIGHT HAVING A RADIUS OF 25.00 FEET AND WHOSE CHORD BEARS SOUTH 68 DEGREES 46 MINUTES 58 SECONDS EAST, 17.93 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

### MUNICIPAL OFFICIAL CERTIFICATE

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

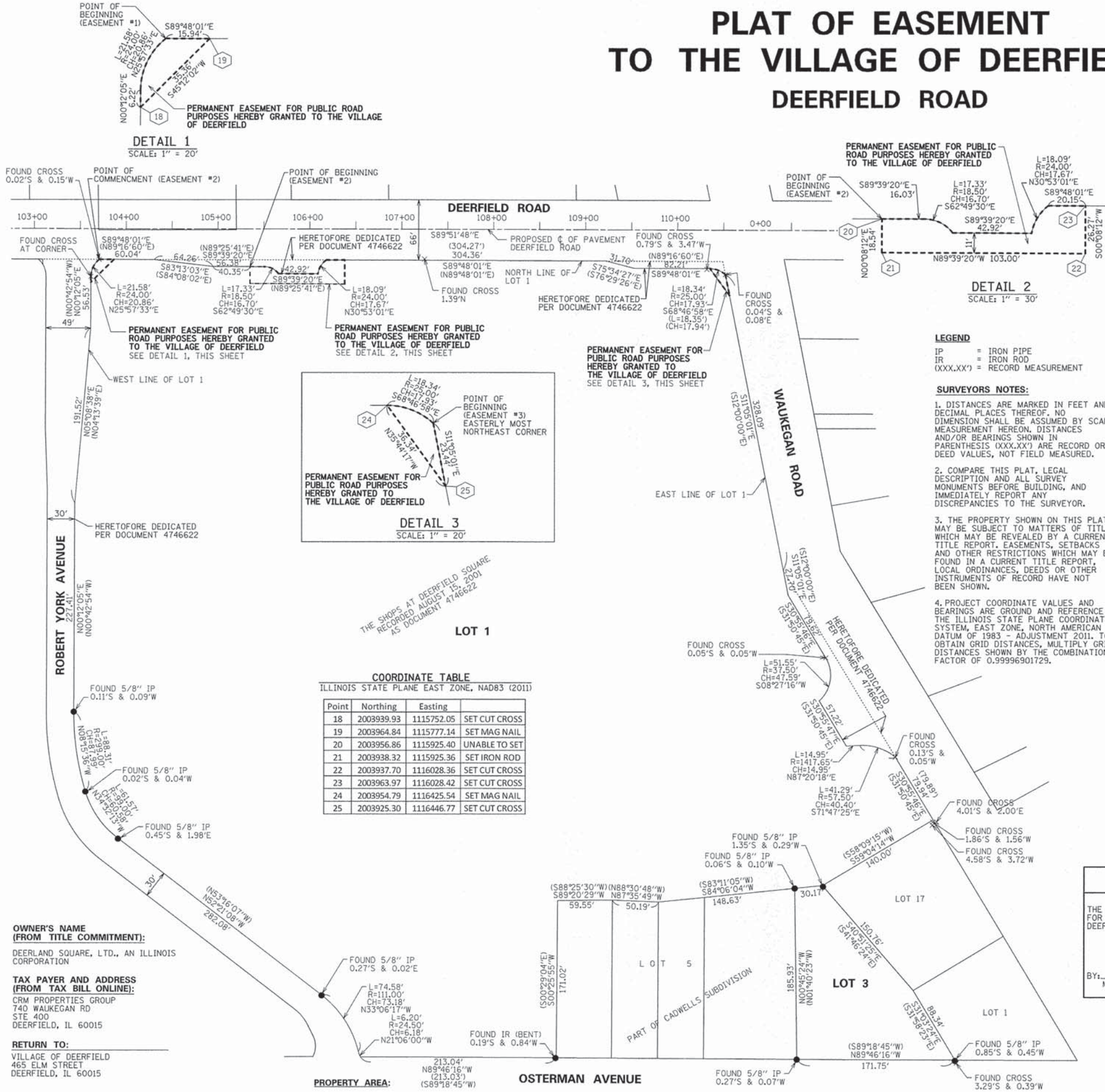
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016  
DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



DETAIL 1  
SCALE: 1" = 20'

DETAIL 2  
SCALE: 1" = 30'

DETAIL 3  
SCALE: 1" = 20'

### LEGEND

- IP = IRON PIPE
- IR = IRON ROD
- (XXX.XX') = RECORD MEASUREMENT

### SURVEYORS NOTES:

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT, EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999690129.

### COORDINATE TABLE

ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET
18	2003939.93	1115752.05	SET CUT CROSS
19	2003964.84	1115777.14	SET MAG NAIL
20	2003956.86	1115925.40	UNABLE TO SET
21	2003938.32	1115925.36	SET IRON ROD
22	2003937.70	1116028.36	SET CUT CROSS
23	2003963.97	1116028.42	SET CUT CROSS
24	2003954.79	1116425.54	SET MAG NAIL
25	2003925.30	1116446.77	SET CUT CROSS

### OWNER'S NAME (FROM TITLE COMMITMENT):

DEERLAND SQUARE, LTD., AN ILLINOIS CORPORATION

### TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):

CRM PROPERTIES GROUP  
740 WAUKEGAN RD  
DEERFIELD, IL 60015

### RETURN TO:

VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

### PROPERTY AREA:

AREA OF GRANTORS PARCEL = 607,542 SQ. FT. 13.947 ACRES  
CONVEYED AREA (PERMANENT EASEMENT #1) = 261 SQ. FT. 0.006 ACRES  
CONVEYED AREA (PERMANENT EASEMENT #2) = 1,728 SQ. FT. 0.040 ACRES  
CONVEYED AREA (PERMANENT EASEMENT #3) = 198 SQ. FT. 0.005 ACRES

REVISIONS:  
08/26/2015

REVISIONS:
11/11/2014
12/08/2014
01/29/2015
03/13/2015
05/06/2015
05/19/2015

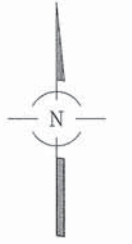


**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

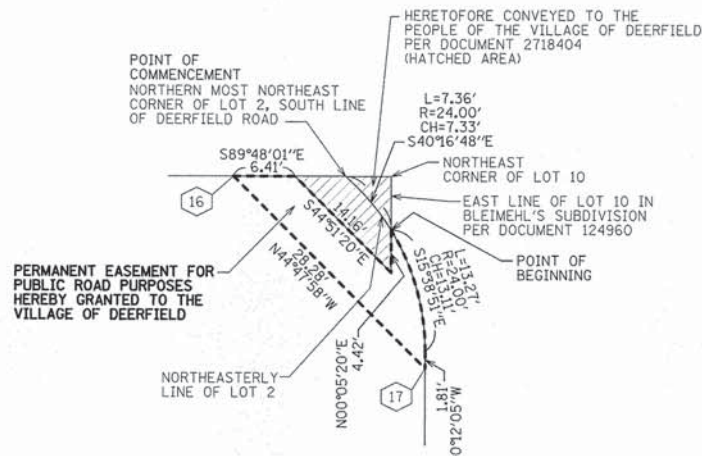
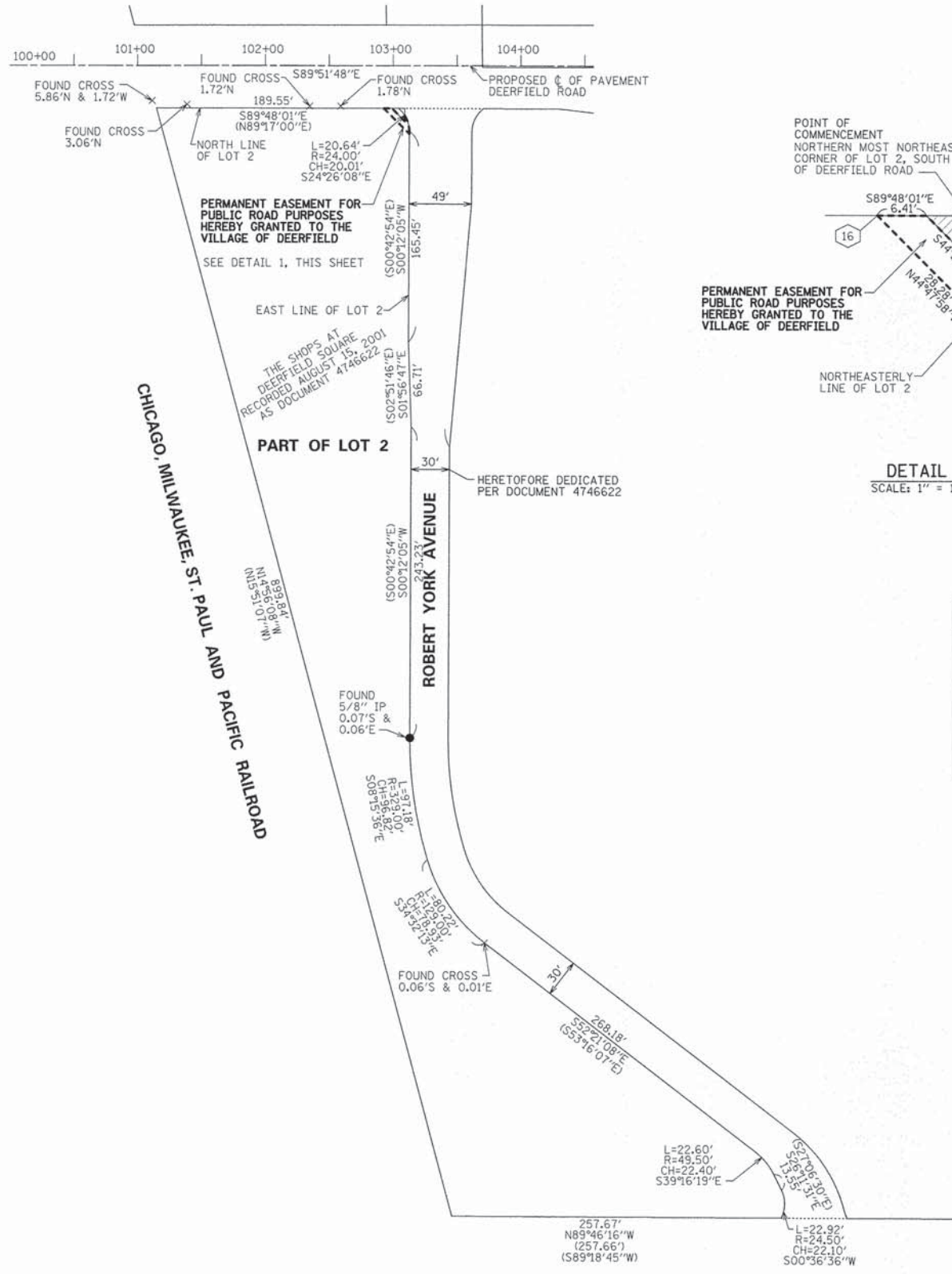
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

DATE: 09/15/2014
JOB NO: 8355
FILENAME: 8355 16-33-101-024
SHEET 120 OF 424

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT DEERLAND SQUARE, LTD., AN ILLINOIS CORPORATION, ARE THE OWNERS OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HERE BY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD A PERMANENT NON-EXCLUSIVE RIGHT AND EASEMENT IN, BELOW, OVER, ABOVE AND THROUGH THE EASEMENT PARCELS LEGALLY DESCRIBED HEREON TO INSTALL, OPERATE, USE, MAINTAIN, REPAIR, REPLACE AND REMOVE, FROM TIME TO TIME, TRAFFIC SIGNAL POLES, TRAFFIC CONTROL SIGNALS, PEDESTRIAN SIGNALS AND RELATED TRAFFIC SIGNAL EQUIPMENT ON THE EASEMENT PARCELS, INCLUDING BUT NOT LIMITED TO ALL NECESSARY AND APPROPRIATE ELECTRONIC AND OPTICAL DEVICES, EQUIPMENT, CONTROLLERS, CABLES, CONDUITS AND RELATED FACILITIES (COLLECTIVELY "GRANTEE'S FACILITIES") AND APPURTENANCES AS REASONABLY REQUIRED FOR OPERATING AND CONTROLLING GRANTEE'S TRAFFIC CONTROL SYSTEM.

GRANTEE SHALL, AT ITS SOLE COST AND EXPENSE, KEEP AND MAINTAIN GRANTEE'S FACILITIES WITHIN THE EASEMENT PARCELS IN GOOD REPAIR, AND ANY DISTURBANCE TO THE GRANTEE'S PHYSICAL IMPROVEMENTS, HARDSCAPE IMPROVEMENTS OR LANDSCAPING LOCATED WITHIN THE EASEMENT PARCELS CAUSED BY THE CONSTRUCTION, OPERATION, USE, REPAIR, MAINTENANCE, REMOVAL OR REPLACEMENT OF GRANTEE'S FACILITIES IN THE EASEMENT PARCELS, SHALL BE REPAIRED AND RESTORED BY GRANTEE, AT GRANTEE'S SOLE COST AND EXPENSE, TO THE SAME OR BETTER CONDITION AS EXISTED PRIOR TO SUCH DISTURBANCE.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
COUNTY OF LAKE ) SS

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



**DETAIL**  
SCALE: 1" = 10'

**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET
16	2003965.17	1115683.14	SET CUT CROSS
17	2003945.10	1115703.07	SET IRON ROD

**OWNER'S NAME (FROM TITLE COMMITMENT):**  
DEERLAND SQUARE, LTD. AN ILLINOIS CORPORATION

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**  
CRM PROPERTIES GROUP  
740 WAUKEGAN RD  
STE 400  
DEERFIELD, IL 60015

**RETURN TO:**  
VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

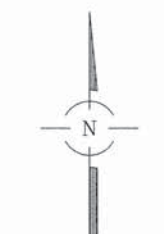
**LEGEND**  
IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

<p><b>REVISIONS:</b></p> <table border="1"> <tr><td>11/13/2014</td></tr> <tr><td>12/08/2014</td></tr> <tr><td>05/06/2015</td></tr> <tr><td>05/19/2015</td></tr> <tr><td>08/26/2015</td></tr> </table>	11/13/2014	12/08/2014	05/06/2015	05/19/2015	08/26/2015	<p><b>CONSULTING ENGINEERS</b></p> <p><b>SITE DEVELOPMENT ENGINEERS</b></p> <p><b>LAND SURVEYORS</b></p> <p>9575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018 Phone: (847) 696-4060 Fax: (847) 696-4065</p>	<p>DATE: 09/15/2014</p> <p>JOB NO: 8355</p> <p>FILENAME: 8355 16-32-207-002</p> <p>SHEET 121 OF 424</p>
11/13/2014							
12/08/2014							
05/06/2015							
05/19/2015							
08/26/2015							

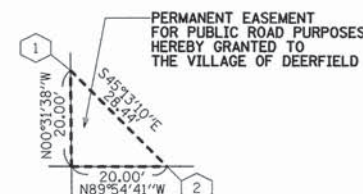
# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD

COORDINATE TABLE  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET CUT CROSS
1	2004050.46	1115759.95	SET CUT CROSS
2	2004030.43	1115780.13	SET CUT CROSS

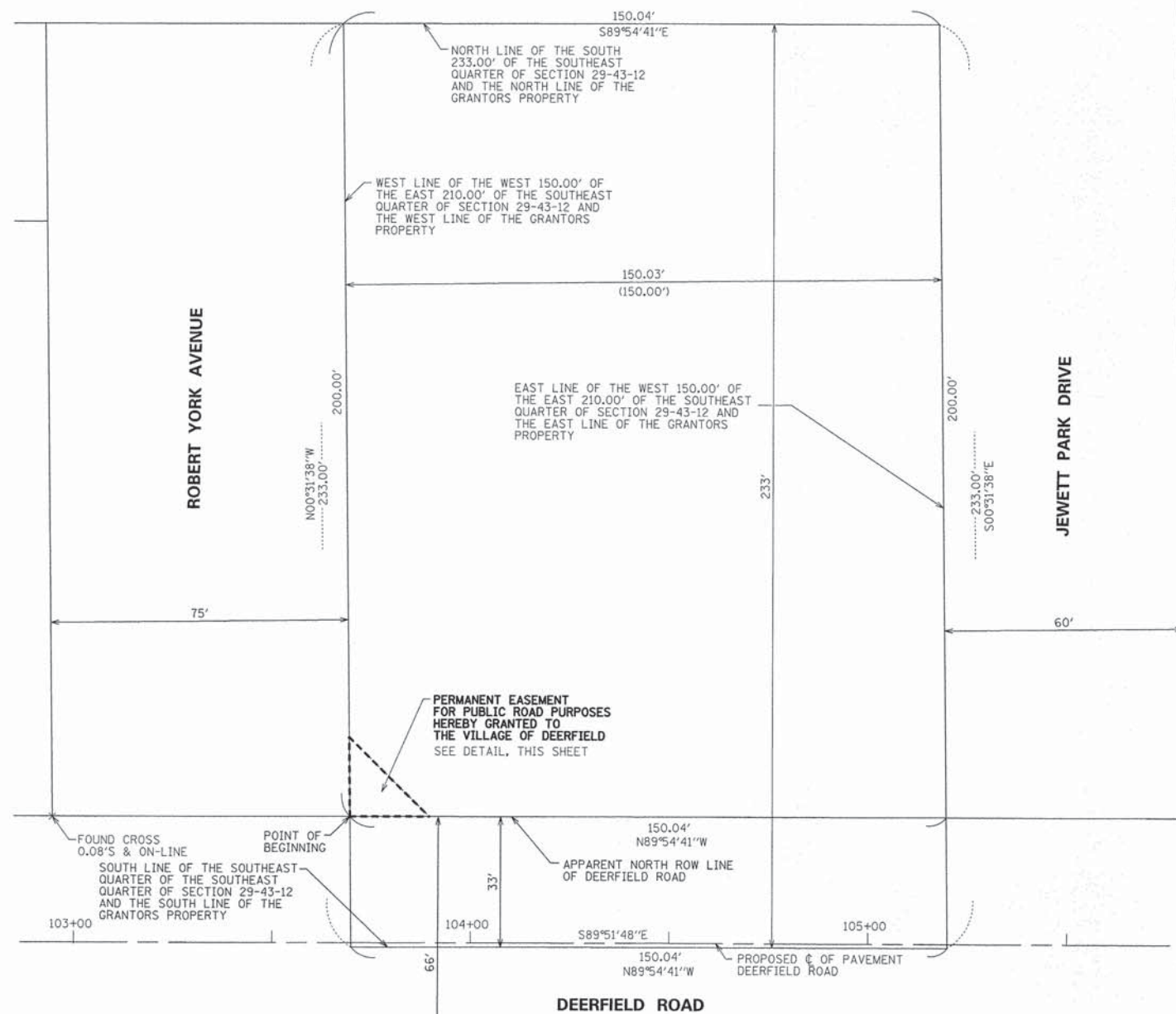


BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



DETAIL  
SCALE: 1" = 20'

JEWETT PARK DRIVE



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT ILLINOIS BELL TELEPHONE COMPANY, AN ILLINOIS CORPORATION ("GRANTOR"), FOR GOOD AND VALUABLE CONSIDERATION, THE RECEIPT AND SUFFICIENCY OF WHICH ARE HEREBY ACKNOWLEDGED, DOES HEREBY GRANT AND CONVEY TO THE VILLAGE OF DEERFIELD, AN ILLINOIS MUNICIPAL CORPORATION ("GRANTEE"), A PERMANENT NON-EXCLUSIVE EASEMENT OVER THE GRANTOR'S PROPERTY COMMONLY KNOWN AS 812 DEERFIELD ROAD, DEERFIELD, IL 60015 (THE "PROPERTY") AS SURVEYED AND PLATTED AND DESCRIBED HEREIN (THE "EASEMENT PREMISES"). THE PARTIES AGREE THAT SAID EASEMENT PREMISES DO NOT CONSTITUTE A CONVEYANCE OF THE PROPERTY, THE EASEMENT PREMISES NOR OF THE MINERALS THEREIN AND THEREUNDER, BUT GRANTS ONLY A RIGHT-OF-WAY AND EASEMENT PREMISES SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:

- GRANTOR DISCLAIMS ANY WARRANTY REGARDING TITLE TO THE PROPERTY AND THE EASEMENT.
- GRANTEE TAKES SUBJECT TO ALL LIENS, ENCUMBRANCES OR DEFECTS IN TITLE AND EASEMENTS WHETHER OF RECORD OR NOT.
- THE EASEMENT PREMISES SHALL BE USED TO CONSTRUCT, RECONSTRUCT, OPERATE, REPAIR, MAINTAIN, USE, REMOVE, OR REPLACE TRAFFIC CONTROL SIGNALIZATION AND OTHER ROAD IMPROVEMENTS (THE "GRANTEE'S FACILITIES"). GRANTEE SHALL, AT ITS SOLE COST AND EXPENSE, BE RESPONSIBLE FOR MAINTAINING GRANTEE'S FACILITIES AND REPAIRING ANY DISTURBANCE TO THE EASEMENT PREMISES CAUSED BY THE CONSTRUCTION, OPERATION, USE, REPAIR, MAINTENANCE, REMOVAL OR REPLACEMENT OF GRANTEE'S FACILITIES IN THE EASEMENT PREMISES. SHOULD GRANTEE FAIL, UPON THIRTY (30) DAYS' PRIOR WRITTEN NOTICE TO GRANTEE, TO MAINTAIN AND REPAIR ANY SUCH DISTURBANCE TO THE EASEMENT PREMISES, GRANTEE MAY, AT ITS OPTION, BUT WITHOUT OBLIGATION, DO SUCH WORK AS GRANTEE DEEMS REASONABLY NECESSARY TO REPAIR OR RESTORE ANY DISTURBANCE TO THE EASEMENT PREMISES CAUSED BY THE CONSTRUCTION, OPERATION, USE, REPAIR, MAINTENANCE, REMOVAL OR REPLACEMENT OF GRANTEE'S FACILITIES IN THE EASEMENT PREMISES. IN THE EVENT THAT GRANTEE REASONABLY DETERMINES THAT AN EMERGENCY EXISTS REGARDING THE CONDITION OF THE EASEMENT PREMISES, GRANTEE MAY, AT ITS OPTION, BUT WITHOUT OBLIGATION, DO SUCH WORK AS GRANTEE DEEMS REASONABLY NECESSARY TO REPAIR OR RESTORE ANY DISTURBANCE OF THE EASEMENT PREMISES CAUSED BY THE CONSTRUCTION, OPERATION, USE, REPAIR, MAINTENANCE, REMOVAL OR REPLACEMENT OF GRANTEE'S FACILITIES. GRANTEE SHALL REIMBURSE GRANTEE FOR THE REASONABLE COST OF SUCH WORK WITHIN THIRTY (30) DAYS OF GRANTEE'S RECEIPT OF GRANTEE'S WRITTEN NOTICE OF: (I) THE COST OF SUCH WORK, AND (II) THE EXTENT TO WHICH SUCH WORK WAS NECESSARY AS A RESULT OF THE PRESENCE OF GRANTEE'S FACILITIES IN THE EASEMENT PREMISES.
- GRANTING OF THIS EASEMENT SHALL NOT ABRIDGE THE RIGHTS OF GRANTEE, WHICH ARE PARAMOUNT TO THOSE OF THE GRANTOR. GRANTEE HAS THE RIGHT TO USE THE PROPERTY INCLUDING BUT NOT LIMITED TO THE RIGHT TO CONDUCT, OPERATE, MAINTAIN, REPAIR AND/OR REPLACE ITS COMMUNICATION FACILITIES IN, ON, OR OVER THE SAME PROPERTY.
- GRANTEE AGREES TO REIMBURSE THE GRANTOR FOR ANY COMMERCIAL LOSS OR DAMAGE TO ITS FACILITIES, REPAIR AND ANY REPLACEMENT COSTS OR OTHER LOSS ARISING OUT OF THE PRESENCE OF GRANTEE'S OR ITS AGENTS, EMPLOYEES REPRESENTATIVES OR INVITEES ON THE PROPERTY, INCLUDING BUT NOT LIMITED TO LOSS OR DAMAGE CAUSED BY GRANTEE, OR ITS EMPLOYEES, AGENTS, REPRESENTATIVES OR INVITEES DURING CONSTRUCTION, OPERATIONS, MAINTENANCE, AND/OR REPLACEMENT WITHOUT REGARD TO WHEN THE FACILITIES OF GRANTEE WERE PLACED ON THE PROPERTY.
- GRANTEE ACKNOWLEDGES THAT ITS RIGHT TO USE OF THE EASEMENT PREMISES FOR GRANTEE'S FACILITIES IS NON-EXCLUSIVE, AND GRANTEE EXPRESSLY RETAINS THE RIGHT TO CONDUCT, OPERATE, MAINTAIN, REPAIR AND/OR REPLACE ITS COMMUNICATION FACILITIES IN, ON, OR OVER THE SAME PROPERTY, PROVIDED ONLY THAT SUCH USE SHALL NOT UNREASONABLY INTERFERE WITH THE GRANTEE'S RIGHT TO MAINTAIN, OPERATE, USE, REMOVE AND REPLACE GRANTEE'S FACILITIES WITHIN THE EASEMENT PREMISES.
- EXCEPT FOR THE TRAFFIC CONTROL EQUIPMENT AND ROAD IMPROVEMENTS, GRANTEE SHALL NOT MAKE ANY INSTALLATIONS, INCLUDING BUT NOT LIMITED TO ANY EQUIPMENT, APPURTENANT VALUES, DRIPS, REGULATORS, PITS AND ALL OTHER APPURTENANCES INCIDENTAL TO THE USE OF THE EASEMENT AREAS ABOVE OR BELOW THE SURFACE OF THE GROUND, ANY DIGGING ON THE PROPERTY SHALL BE DONE BY HAND WHEN WITHIN EIGHTEEN (18") INCHES OF ANY OF GRANTEE'S COMMUNICATIONS FACILITIES, INCLUDING BUT NOT LIMITED TO ABOVE GROUND OR BELOW GROUND FACILITIES.
- GRANTEE COVENANTS AND AGREES WITH GRANTEE, ITS SUCCESSORS AND ASSIGNS, THAT GRANTEE SHALL NOT BE LIABLE FOR ANY INJURY TO PERSON OR DAMAGE TO OR LOSS OF PROPERTY ON OR ABOUT THE EASEMENT PREMISES. FURTHER, GRANTEE UNDERSTANDS AND AGREES THAT BY GRANTEE'S GRANT OF THE EASEMENT PREMISES, GRANTEE IS NOT REPRESENTING NOR WARRANTING AS TO ANY MATTER OR CONDITION (EXPRESSED OR IMPLIED) AND GRANTEE SPECIFICALLY NEGATES AND DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY REPRESENTATIONS AND WARRANTIES WITH RESPECT TO THE ADEQUACY OR SUFFICIENCY OF ANY OF THE EASEMENTS OF OTHERWISE, AND THE EASEMENTS AND THE GRANT OF THE EASEMENT PREMISES ARE AND SHALL BE "AS IS, WHERE IS, WITH ALL FAULTS" WITH NO REPRESENTATION OR WARRANTY OTHER THAN THE EXPRESS REPRESENTATIONS AND WARRANTIES SET FORTH HEREIN.

- GRANTEE SHALL NOT CAUSE OR PERMIT ANY HAZARDOUS MATERIAL TO BE GENERATED, PRODUCED, BROUGHT UPON, USED, STORED, TREATED, RELEASED OR DISPOSED OF, IN, ON OR ABOUT THE EASEMENT PREMISES OR ANY OTHER PROPERTY IMMEDIATELY SURROUNDING THE EASEMENT PREMISES TO WHICH ANY OF THE GRANTEE PARTIES HAVE ACCESS, BY ANY OF THE GRANTEE PARTIES. GRANTEE SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS THE GRANTOR, ITS SUCCESSORS AND ASSIGNS, ITS EMPLOYEES, CONTRACTORS AND REPRESENTATIVES, COLLECTIVELY THE "GRANTOR PARTIES", FROM AND AGAINST ANY AND ALL ACTIONS (INCLUDING WITHOUT LIMITATION, REMEDIAL OR ENFORCEMENT ACTIONS OF ANY KIND, ADMINISTRATIVE OR JUDICIAL PROCEEDINGS, AND ORDERS OR JUDGMENTS ARISING OUT OF OR RESULTING THERE FROM), COSTS, CLAIMS, DAMAGES (INCLUDING WITHOUT LIMITATION PUNITIVE DAMAGES), THREATS, SUITS, REMEDIATION, OBLIGATIONS, DEMANDS, EXPENSES (INCLUDING WITHOUT LIMITATION, REASONABLE ATTORNEY'S FEES, CONSULTANTS' AND EXPERTS' FEES, COURT COST AND AMOUNT PAID IN SETTLEMENT OF ANY CLAIMS OR ACTION), FINES, FORFEITURES OR OTHER CIVIL, ADMINISTRATIVE OR CRIMINAL PENALTIES, INJURY, DAMAGE OR LOSS OF ANY KIND, WHETHER OR NOT BASED UPON PERSONAL INJURY, PROPERTY DAMAGE, CONTAMINATION OR ADVERSE EFFECTS UPON, THE ENVIRONMENT, WATER TABLES OR NATURAL RESOURCES), LIABILITIES, OR LOSSES (ECONOMIC OR OTHER) ARISING FROM BREACH OF THE FOREGOING PROHIBITION BY GRANTEE, OR ANY OF THE GRANTEE PARTIES. GRANTEE SHALL OBTAIN ADEQUATE INSURANCE TO COVER THE ABOVE INDEMNIFICATION RISK.
- GRANTEE SHALL NOT CREATE, OR PERMIT TO BE CREATED, RECORDED OR FILED AGAINST THE PROPERTY ANY LIEN OF ANY NATURE, IF ANY SUCH LIEN IS CREATED, ATTACHED RECORDED OR OTHERWISE CLAIMED OR ASSERTED AGAINST ANY PORTION OF THE PROPERTY, AND GRANTEE DOES NOT OBTAIN THE RELEASE, EXTINGUISHMENT OR VACATION OF SUCH LIEN WITHIN THIRTY (30) DAYS AFTER THE DATE SUCH LIEN IS FIRST CREATED, CLAIMED OR ASSERTED (WHICHEVER IS EARLIEST), THE GRANTOR MAY SATISFY THE LIEN AND THE GRANTEE SHALL REIMBURSE THE GRANTOR THE AMOUNT SO PAID TOGETHER WITH AN ADMINISTRATIVE FEE EQUAL TO FIFTEEN PERCENT (15%) OF THE AMOUNT SO PAID AND INTEREST AT THE RATE OF TWELVE PERCENT (12%) PER ANNUM OR THE RATE PERMITTED BY LAW, WHICHEVER IS LESS. THIS SECTION SHALL NOT BE CONSTRUED AS A LIMITATION ON THE RIGHTS OR RESPONSIBILITIES OF THE GRANTOR OR GRANTEE, OR OF ANY OTHER PROVISIONS, CONTAINED ELSEWHERE IN THIS EASEMENT.

ILLINOIS BELL TELEPHONE COMPANY A/K/A AT&T ILLINOIS

By: \_\_\_\_\_ DATE: \_\_\_\_\_  
LORI SKREZYNA, AREA MANAGER

**NOTARY PUBLIC:**  
STATE OF ILLINOIS ) SS  
COUNTY OF LAKE )

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE OF AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.  
GIVEN UNDER MY HAND AND NOTORIAL SEAL  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

By: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

**P.I.N. FOR CONVEYED PARCEL:**

16-29-400-014

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF THE WEST ONE HUNDRED FIFTY FEET OF THE EAST TWO HUNDRED TEN FEET OF THE SOUTH TWO HUNDRED THIRTY-THREE FEET OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: BEGINNING AT THE INTERSECTION OF THE WEST LINE OF SAID WEST 150.00 FEET AND A LINE LYING 33.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 29; THENCE NORTH 00 DEGREES 31 MINUTES 38 SECONDS WEST, ALONG THE WEST LINE OF SAID WEST 150.00 FEET, A DISTANCE OF 20.00 FEET; THENCE SOUTH 45 DEGREES 13 MINUTES 10 SECONDS EAST 28.44 FEET TO A POINT ON SAID PARALLEL LINE; THENCE NORTH 89 DEGREES 54 MINUTES 41 SECONDS WEST ALONG SAID PARALLEL LINE 20.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 34,957 SQ. FT. 0.803 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 200 SQ. FT. 0.005 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESES (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

**OWNER'S NAME (FROM TITLE COMMITMENT):**

ILLINOIS BELL TELEPHONE COMPANY

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**

AMERITECH - ILLINOIS  
909 CHESTNUT ST RM 36-M-1  
ST LOUIS, MO 63101

**RETURN TO:**

VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

STATE OF ILLINOIS ) SS  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL  
THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016  
DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



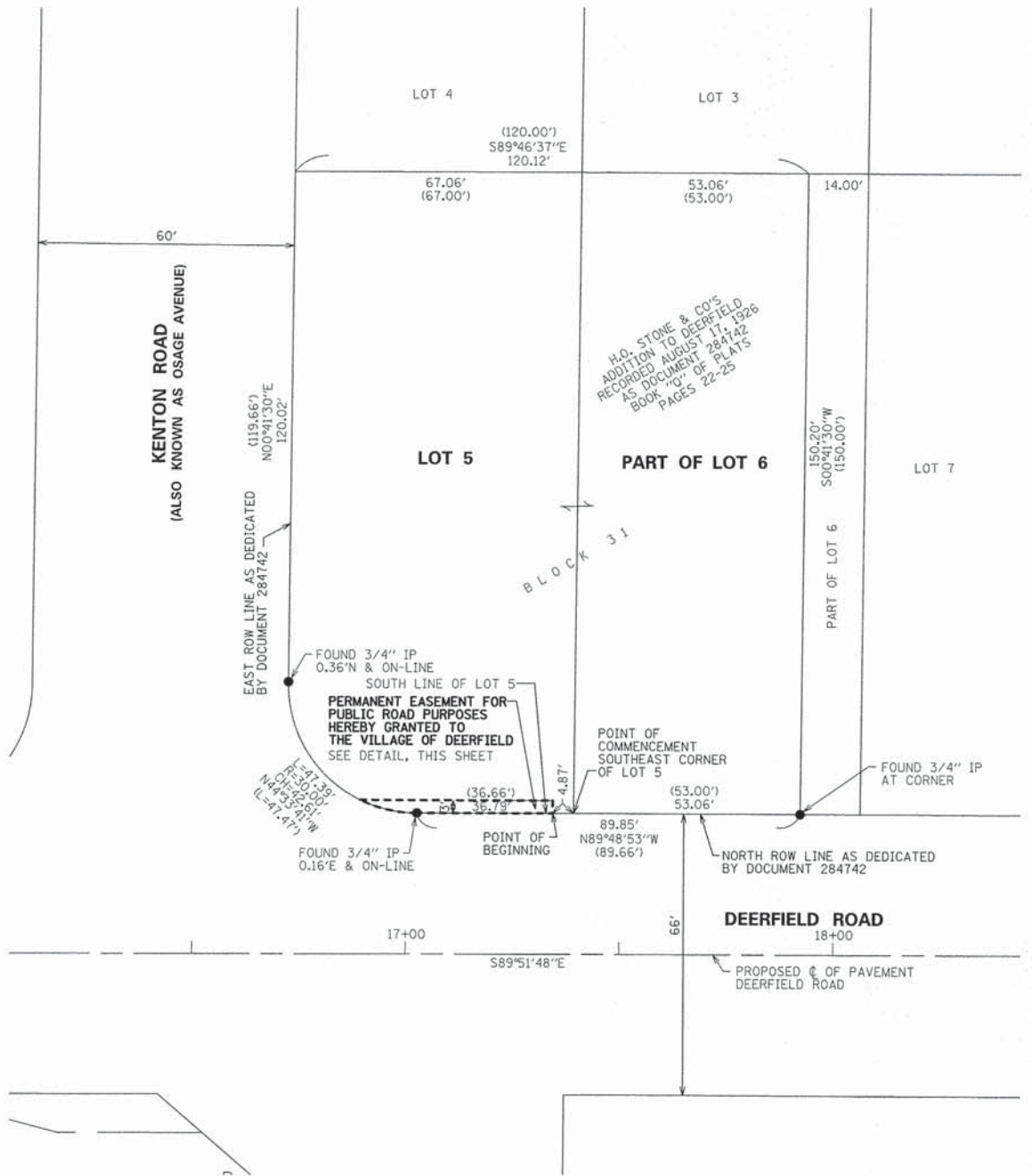
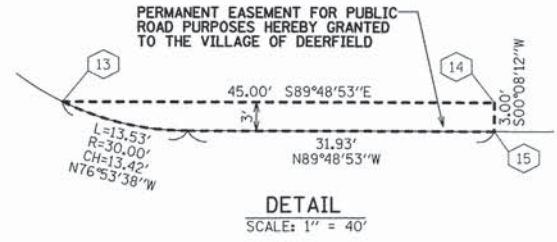
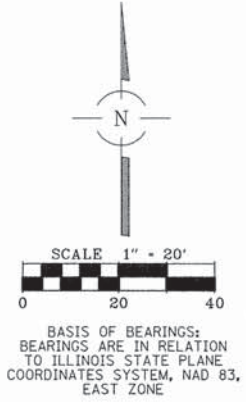
REVISIONS:

11/13/2014
12/08/2014
05/06/2015
05/19/2015
08/20/2015
08/24/2015



CONSULTING ENGINEERS	DATE: 09/15/2014
SITE DEVELOPMENT ENGINEERS	JOB NO: 8355
LAND SURVEYORS	FILENAME: 8355 16-29-400-014
8575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018 Phone: (847) 696-4060 Fax: (847) 696-4065	SHEET 122 OF 424

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT GARO EMERZIAN AND AMY EMERZIAN, HIS WIFE, AS TENANTS BY THE ENTIRETY ARE THE OWNERS OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
COUNTY OF LAKE ) SS

I, \_\_\_\_\_ A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT GARO EMERZIAN AND AMY EMERZIAN WHO ARE PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

MUNICIPAL OFFICIAL CERTIFICATE	
THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.	
BY: _____	DATE: _____
MUNICIPAL OFFICIAL	

**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET IRON ROD
13	2004029.04	1118153.35	SET IRON ROD
14	2004028.89	1118198.35	SET IRON ROD
15	2004025.89	1118198.34	SET IRON ROD

**OWNER'S NAME (FROM TITLE COMMITMENT):**

GARO EMERZIAN AND AMY EMERZIAN, HIS WIFE, AS TENANTS BY THE ENTIRETY

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**

GARO & AMY EMERZIAN  
801 KENTON RD  
DEERFIELD, IL 60015-3301

**RETURN TO:**

VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

**P.I.N. FOR CONVEYED PARCEL:**

16-28-324-004

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF LOT 5 IN BLOCK 31 IN H.O. STONE AND COMPANY'S ADDITION TO DEERFIELD, IN SECTIONS 28 AND 29, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED AUGUST 17, 1926, AS DOCUMENT NUMBER 284742, IN BOOK "0" OF PLATS, PAGES 22-25, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT 5; THENCE NORTH 89 DEGREES 48 MINUTES 53 SECONDS WEST ALONG THE SOUTH LINE OF SAID LOT 5 A DISTANCE OF 4.87 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 89 DEGREES 48 MINUTES 53 SECONDS WEST ALONG THE SOUTH LINE OF SAID LOT 5 A DISTANCE 31.93 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY 13.53 FEET ALONG THE SOUTHWESTERLY LINE OF SAID LOT 5, BEING THE ARC OF A TANGENT CIRCLE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET AND WHOSE CHORD BEARS NORTH 76 DEGREES 53 MINUTES 38 SECONDS WEST 13.42; THENCE SOUTH 89 DEGREES 48 MINUTES 53 SECONDS EAST PARALLEL WITH THE SOUTH LINE OF SAID LOT 5, A DISTANCE OF 45.00 FEET; THENCE SOUTH 08 DEGREES 08 MINUTES 12 SECONDS WEST 3.00 FEET TO A POINT ON THE SOUTH LINE OF SAID LOT 5, SAID POINT BEING THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 17,849 SQ. FT. 0.410 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 122 SQ. FT. 0.003 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

1. DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESES (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
2. COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
3. THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT, EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
4. PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



REVISIONS:
11/11/2014
12/08/2014
05/06/2015
05/19/2015

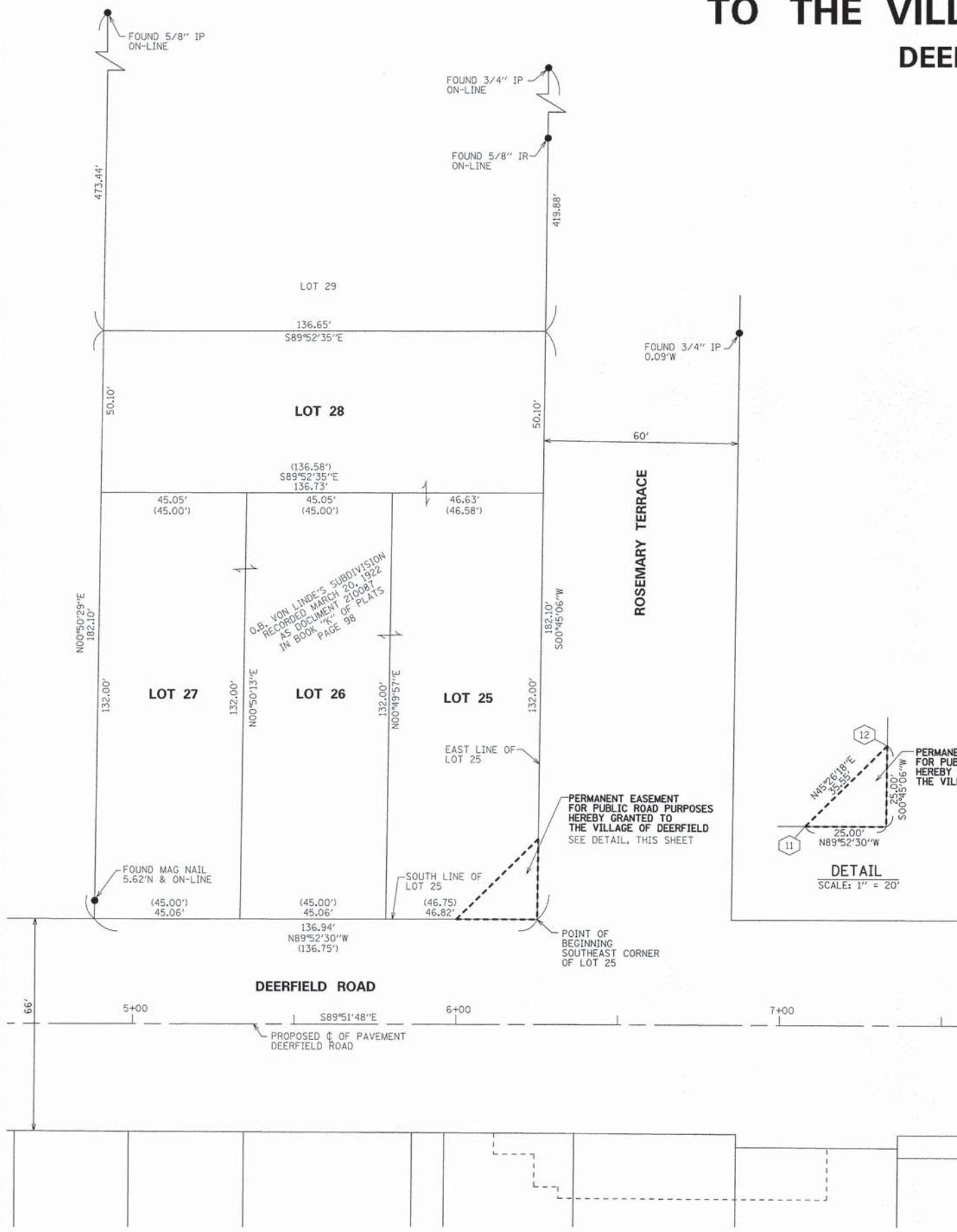
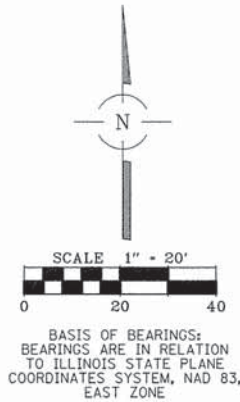


**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

DATE: 09/15/2014
JOB NO: 8355
FILENAME: 8355 16-28-324-004
SHEET 123 OF 424

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT VILLAGE OF DEERFIELD IS THE OWNER OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE \_\_\_\_\_

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF LAKE )

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC \_\_\_\_\_

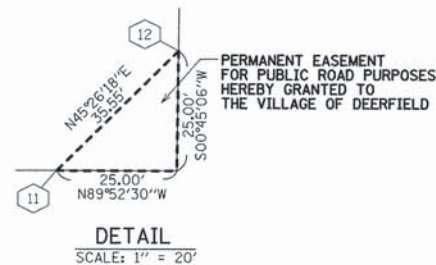
**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET CUT CROSS
11	2004028.02	1117064.08	SET CUT CROSS
12	2004052.97	1117089.41	SET CUT CROSS



**OWNER'S NAME AND ADDRESS (FROM TITLE COMMITMENT AND ONLINE):**

VILLAGE OF DEERFIELD  
850 WAUKEGAN ROAD  
DEERFIELD, IL 60015

**RETURN TO:**

VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

**P.I.N. FOR CONVEYED PARCEL:**

16-28-322-009

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF LOT 25 IN O.B. VON LINDE'S SUBDIVISION, BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED MARCH 20, 1922, AS DOCUMENT NUMBER 210087, IN BOOK "K" OF PLATS, PAGE 98, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 25; THENCE NORTH 89 DEGREES 52 MINUTES 30 SECONDS WEST ALONG THE SOUTH LINE OF SAID LOT 25 A DISTANCE OF 25.00 FEET; THENCE NORTH 45 DEGREES 26 MINUTES 18 SECONDS EAST 35.55 FEET TO A POINT ON THE EAST LINE OF SAID LOT 25; THENCE SOUTH 00 DEGREES 45 MINUTES 06 SECONDS WEST ALONG SAID EAST LINE 25.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 24,909 SQ. FT. 0.572 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 312 SQ. FT. 0.007 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
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- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



REVISIONS:
11/11/2014
12/08/2014
05/06/2015
05/19/2015



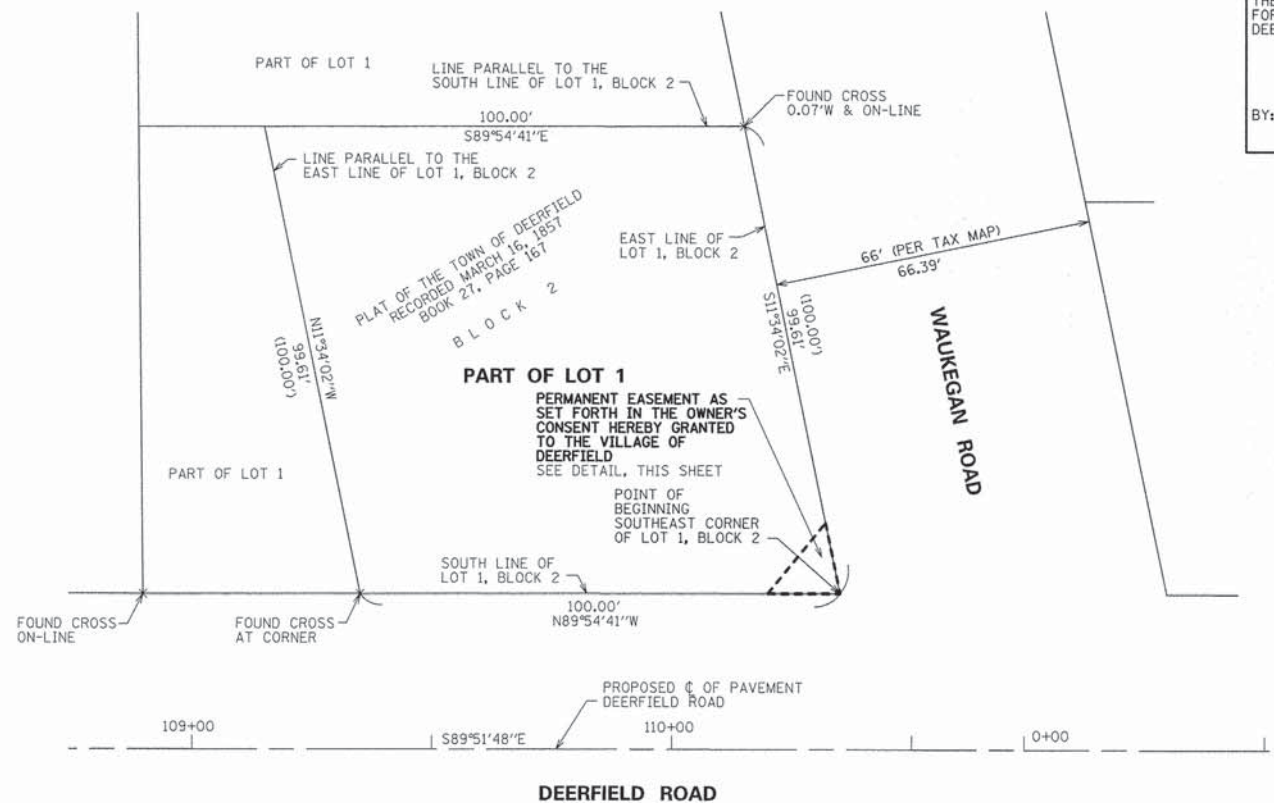
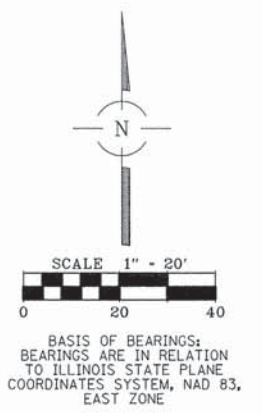
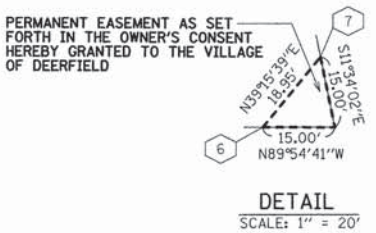
**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

DATE: 09/15/2014
JOB NO: 8355
FILENAME: 8355 16-28-322-009
SHEET 124 OF 424



# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

**OWNER'S CONSENT:**

THIS IS TO HEREBY CERTIFY THAT CHITOWN-WAUKEGAN & DEERFIELD LLC, AN ILLINOIS LIMITED LIABILITY COMPANY ("OWNER"), IS THE OWNER OF THE PROPERTY DESCRIBED HEREON, AND, AS THE OWNER, HEREBY GRANTS TO THE VILLAGE OF DEERFIELD (THE "VILLAGE") A PERMANENT, NON-EXCLUSIVE EASEMENT UNDER, OVER AND UPON THE EASEMENT PARCEL (DEFINED BELOW) TO INSTALL, INSPECT, REPAIR, REPLACE, REMOVE, OPERATE AND MAINTAIN TRAFFIC SIGNALS AND RELATED TRAFFIC SIGNAL EQUIPMENT (THE "TRAFFIC SIGNAL EQUIPMENT") IN THE GENERAL AREA AS SUCH TRAFFIC SIGNALS ARE CURRENTLY LOCATED (THE "EASEMENT") WITHIN THE AREA DEPICTED HEREON WITHIN THE DASH-MARKS (A TOTAL OF APPROXIMATELY 110 SQUARE FEET).

VILLAGE SHALL HAVE THE RIGHT OF INGRESS AND EGRESS FROM THE EASEMENT PARCEL OCCUPIED BY THE TRAFFIC SIGNAL EQUIPMENT, AND THE RIGHT TO DO ANY AND ALL THINGS REASONABLY NECESSARY, PROPER OR INCIDENTAL TO THE SUCCESSFUL OPERATION AND MAINTENANCE THEREOF. VILLAGE SHALL HAVE THE RIGHT TO ALTER FROM TIME TO TIME THE TYPE AND PLACEMENT OF THE TRAFFIC SIGNAL EQUIPMENT SOLELY AT VILLAGE'S EXPENSE, AFTER ANY ENTRY BY VILLAGE, ITS EMPLOYEES, CONTRACTORS OR OTHER PERSONS ON ITS BEHALF, VILLAGE SHALL BE RESPONSIBLE FOR THE PROMPT RESTORATION OF THE EASEMENT PARCEL TO A CONDITION EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO SUCH ENTRY, INCLUDING, WITHOUT LIMITATION, REPLACING LANDSCAPING, SHRUBBERY, TREES, SOD, PARKING SURFACE, PAVEMENT AND SIDEWALK.

VILLAGE SHALL USE ALL REASONABLE EFFORTS TO INSURE THAT THE TRAFFIC SIGNAL EQUIPMENT SHALL NOT BLOCK OR OBSTRUCT THE EXISTING SIGNAGE ON OWNER'S PROPERTY. VILLAGE SHALL PROMPTLY CLEAN-UP AND REPAIR TO ORIGINAL CONDITION ANY PARTS OF THE STREET, BUILDINGS, LANDSCAPE OR OTHER LANDS IMMEDIATELY ADJACENT TO THE EASEMENT PARCEL WHICH IS/ARE DISTURBED IN CONJUNCTION WITH THE INITIAL OR ANY SUBSEQUENT MAINTENANCE OR UPGRADING OF THE TRAFFIC SIGNAL EQUIPMENT.

THE RIGHT IS HEREBY RESERVED TO OWNER TO USE THE EASEMENT PARCEL FOR ANY PURPOSE WHICH IS CONSISTENT WITH THE USE FOR WHICH THIS GRANT IS MADE; PROVIDED, HOWEVER THAT OWNER SHALL NOT BUILD, CONSTRUCT, ERECT OR PLACE, OR PERMIT OTHERS TO BUILD, CONSTRUCT, ERECT OR PLACE, ANY WALLS, BUILDING OR OTHER PERMANENT STRUCTURES OVER THE EASEMENT PARCEL WITHOUT PRIOR WRITTEN CONSENT OF VILLAGE.

CHITOWN-WAUKEGAN & DEERFIELD LLC,  
AN ILLINOIS LIMITED LIABILITY COMPANY

BY: TAXMAN MANAGER LLC,  
AN ILLINOIS LIMITED LIABILITY COMPANY, ITS MANAGER

BY: \_\_\_\_\_  
SEYMOUR TAXMAN, MANAGER

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
                          ) SS  
COUNTY OF LAKE )

I, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY, IN THE STATE AFORESAID, DO HEREBY CERTIFY THAT SEYMOUR TAXMAN, MANAGER OF TAXMAN MANAGER LLC, THE MANAGER OF CHITOWN-WAUKEGAN & DEERFIELD LLC ("COMPANY"), WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT AS SUCH MANAGER, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE SIGNED AND DELIVERED THE SAID INSTRUMENT AS HIS OWN FREE AND VOLUNTARY ACT AND AS THE FREE AND VOLUNTARY ACT OF THE COMPANY AS THE MANAGER OF THE COMPANY, FOR THE USES AND PURPOSES THEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTARIAL SEAL AS OF \_\_\_\_\_, 2015.

NOTARY PUBLIC \_\_\_\_\_

**P.I.N. FOR CONVEYED PARCEL:**

16-28-321-015

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF LOT 1 IN BLOCK 2 OF THE PLAT OF THE TOWN OF DEERFIELD, BEING A SUBDIVISION IN THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 43 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 16, 1857, IN BOOK 27 OF DEEDS, PAGE 167, DESCRIBED AS FOLLOWS:  
BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 1 BLOCK 2; THENCE NORTH 89 DEGREES 54 MINUTES 41 SECONDS WEST ALONG THE SOUTH LINE OF SAID LOT 1 A DISTANCE OF 15.00 FEET; THENCE NORTH 39 DEGREES 15 MINUTES 39 SECONDS EAST 18.95 FEET TO A POINT ON THE EAST LINE OF SAID LOT 1; THENCE SOUTH 11 DEGREES 34 MINUTES 02 SECONDS EAST ALONG SAID EAST LINE 15.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 9,756 SQ. FT. 0.224 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 110 SQ. FT. 0.003 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
                          ) SS  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL  
THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016  
DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET MAG NAIL
6	2004029.45	1116410.60	SET MAG NAIL
7	2004044.12	1116422.59	SET MAG NAIL

**OWNER'S NAME (FROM TITLE COMMITMENT):**  
CHITOWN-WAUKEGAN & DEERFIELD LLC, AN ILLINOIS LIABILITY COMPANY

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**  
CHITOWN-WAUKEGAN & DEERFIELD LLC  
5215 OLD ORCHARD RD  
STE 130  
SKOKIE, IL 60077

**RETURN TO:**  
VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

**REVISIONS:**

11/11/2014
12/08/2014
05/06/2015
05/19/2015
07/21/2015
07/23/2015

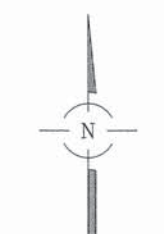


**CONSULTING ENGINEERS**  
**SITE DEVELOPMENT ENGINEERS**  
**LAND SURVEYORS**

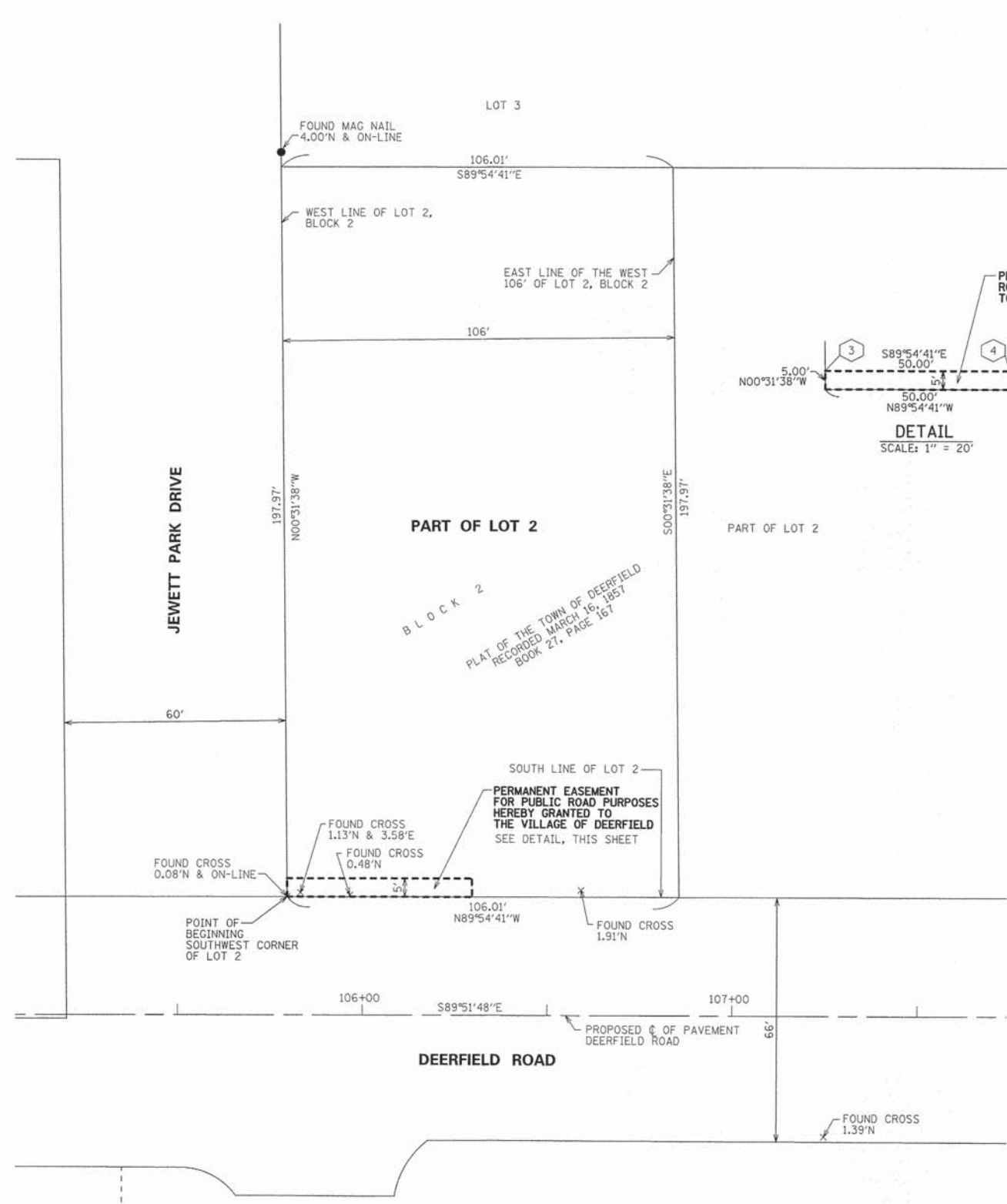
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

DATE: 09/15/2014
JOB NO: 8355
FILENAME: 8355 16-28-321-015
SHEET 125 OF 424

# PLAT OF EASEMENT TO THE VILLAGE OF DEERFIELD DEERFIELD ROAD



BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT THE VILLAGE OF DEERFIELD, AN ILLINOIS MUNICIPAL CORPORATION ARE THE OWNERS OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE VILLAGE OF DEERFIELD SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
COUNTY OF LAKE ) SS

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

MUNICIPAL OFFICIAL CERTIFICATE	
THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE VILLAGE OF DEERFIELD IS HEREBY ACCEPTED.	
BY: _____	DATE: _____
MUNICIPAL OFFICIAL	

**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET CUT CROSS
3	2004035.13	1115970.12	SET CUT CROSS
4	2004035.06	1116020.13	SET CUT CROSS
5	2004030.06	1116020.17	SET CUT CROSS

**OWNER'S NAME AND ADDRESS (FROM TITLE COMMITMENT AND ONLINE):**  
VILLAGE OF DEERFIELD, AN ILLINOIS MUNICIPAL CORPORATION  
850 WAUKEGAN ROAD  
DEERFIELD, IL 60015

**RETURN TO:**  
VILLAGE OF DEERFIELD  
465 ELM STREET  
DEERFIELD, IL 60015

**P.I.N. FOR CONVEYED PARCEL:**

16-28-321-009

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF THE WEST 106 FEET OF LOT 2, IN BLOCK 2, IN THE ORIGINAL PLAT OF THE VILLAGE OF DEERFIELD, BEING A SUBDIVISION OF PART OF THE SOUTHWEST QUARTER OF SECTION 28, TOWNSHIP 43 NORTH, RANGE 12 EAST, ACCORDING TO THE PLAT THEREOF RECORDED MARCH 16, 1957 IN BOOK 27 OF DEEDS, PAGE 167, DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 2; THENCE NORTH 00 DEGREES 31 MINUTES 38 SECONDS WEST ALONG THE WEST LINE OF SAID LOT 2 A DISTANCE OF 5.00 FEET TO A POINT ON A LINE LYING 5.00 FEET NORTH OF AND PARALLEL WITH THE SOUTH LINE OF SAID LOT 2; THENCE SOUTH 89 DEGREES 54 MINUTES 41 SECONDS EAST, ALONG SAID PARALLEL LINE A DISTANCE OF 50.00 FEET; THENCE SOUTH 00 DEGREES 31 MINUTES 38 SECONDS EAST PARALLEL WITH THE WEST LINE OF SAID LOT 2 A DISTANCE OF 5.00 FEET TO A POINT ON THE SOUTH LINE OF SAID LOT; THENCE NORTH 89 DEGREES 54 MINUTES 41 SECONDS WEST ALONG SAID SOUTH LINE 50.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 20,984 SQ. FT. 0.482 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 250 SQ. FT. 0.006 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

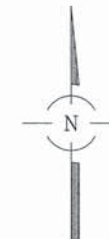
DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



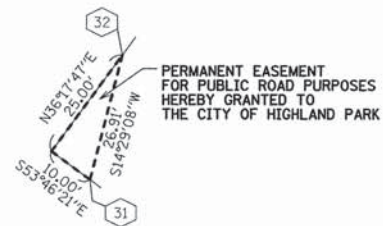
REVISIONS: 11/11/2014 12/08/2014 05/06/2015 05/19/2015		<b>CONSULTING ENGINEERS</b> <b>SITE DEVELOPMENT ENGINEERS</b> <b>LAND SURVEYORS</b>	DATE: 09/15/2014 JOB NO: 8355 FILENAME: 8355 16-28-321-009 SHEET 126 OF 424
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9575 W. Higgins Road, Suite 700, Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

# PLAT OF EASEMENT TO THE CITY OF HIGHLAND PARK DEERFIELD ROAD



BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



DETAIL  
SCALE: 1" = 20'



**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT JEAN SANTI IS THE OWNER OF THE PROPERTY DESCRIBED HEREON AND AS OWNER HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE CITY OF HIGHLAND PARK SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
COUNTY OF LAKE ) SS

I, \_\_\_\_\_ A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT JEAN SANTI WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

**MUNICIPAL OFFICIAL CERTIFICATE**

THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE CITY OF HIGHLAND PARK IS HEREBY ACCEPTED.

By: \_\_\_\_\_ DATE: \_\_\_\_\_  
MUNICIPAL OFFICIAL

**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET
31	2005062.13	1122060.33	SET IRON ROD
32	2005088.19	1122067.06	SET CUT CROSS

**OWNER'S NAME AND ADDRESS  
(FROM TITLE COMMITMENT & TAX BILL ONLINE):**

JEAN SANTI  
953 LILAC LN  
HIGHLAND PARK, IL 60035

**RETURN TO:**

CITY OF HIGHLAND PARK  
1150 HALF DAY ROAD  
HIGHLAND PARK, IL 60035

16-27-308-007

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF LOT 32 IN RIDGEVIEW SUBDIVISION, BEING SUBDIVISION OF PART OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 43 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN LYING EAST OF THE CENTER LINE OF DEERFIELD ROAD; ALSO THAT PART OF THE EAST HALF OF THE NORTHWEST QUARTER OF SAID SOUTHWEST QUARTER OF SECTION 27, LYING EASTERLY AND SOUTHERLY OF DEERFIELD ROAD, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 9, 1924, IN BOOK "N" OF PLATS, PAGE 10, AS DOCUMENT NUMBER 241103, DESCRIBED AS FOLLOWS:  
BEGINNING AT THE WESTERLY MOST CORNER OF SAID LOT 32; THENCE NORTH 36 DEGREES 17 MINUTES 47 SECONDS EAST ALONG THE NORTHWESTERLY LINE OF SAID LOT 32 A DISTANCE OF 25.00 FEET; THENCE SOUTH 14 DEGREES 29 MINUTES 08 SECONDS WEST 26.91 FEET TO A POINT ON THE SOUTHWESTERLY LINE OF SAID LOT 32; THENCE NORTH 53 DEGREES 48 MINUTES 21 SECONDS WEST ALONG SAID SOUTHWESTERLY LINE 10.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 7,505 SQ. FT. 0.172 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 125 SQ. FT. 0.003 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



REVISIONS: 11/11/2014 12/08/2014 05/06/2015 05/19/2015	<b>SPACECO INC.</b> 	<b>CONSULTING ENGINEERS</b> <b>SITE DEVELOPMENT ENGINEERS</b> <b>LAND SURVEYORS</b>	DATE: 09/15/2014 JOB NO: 8355 FILENAME: 8355 16-27-308-007 SHEET 127 OF 424
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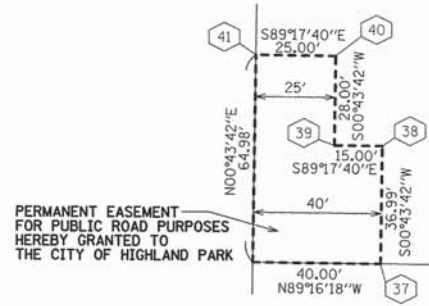
9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

THIS SHEET INTENTIONALLY LEFT BLANK

# PLAT OF EASEMENT TO THE CITY OF HIGHLAND PARK DEERFIELD ROAD



BASIS OF BEARINGS:  
BEARINGS ARE IN RELATION  
TO ILLINOIS STATE PLANE  
COORDINATES SYSTEM, NAD 83,  
EAST ZONE



**DETAIL**  
SCALE: 1" = 30'

**OWNER'S NAME (FROM TITLE COMMITMENT):**  
AMERICAN STORES COMPANY, LLC, A DELAWARE  
LIMITED LIABILITY COMPANY

**TAX PAYER AND ADDRESS (FROM TAX BILL ONLINE):**  
AMERICAN STORES COMPANY, LLC  
250 PARKCENTER BLVD PO BOX 20  
BOISE, ID 83726

**RETURN TO:**  
CITY OF HIGHLAND PARK  
1150 HALF DAY ROAD  
HIGHLAND PARK, IL 60035

**OWNER'S CONSENT:**

THIS IS TO CERTIFY THAT AMERICAN STORES COMPANY, LLC, A DELAWARE LIMITED LIABILITY COMPANY IS THE OWNER OF THE PROPERTY DESCRIBED HEREON AND AS OWNERS HAVE CAUSED SAID PERMANENT AND PERPETUAL EASEMENT FOR PUBLIC ROAD PURPOSES TO BE SURVEYED AND PLATTED AND DO HEREBY GRANT, CONVEY AND WARRANT TO THE CITY OF HIGHLAND PARK SAID DESCRIBED PERMANENT EASEMENT.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

BY: \_\_\_\_\_

PRINTED NAME AND TITLE

**NOTARY PUBLIC:**

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF LAKE )

I, \_\_\_\_\_  
A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

WHO IS PERSONALLY KNOWN TO ME TO BE THE SAME WHOSE NAME IS SUBSCRIBED TO THE FOREGOING CERTIFICATE, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGED THAT HE/SHE DID SIGN AND DELIVER THIS INSTRUMENT AS A FREE AND VOLUNTARY ACT FOR THE USES AND PURPOSES HEREIN SET FORTH.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

NOTARY PUBLIC

MUNICIPAL OFFICIAL CERTIFICATE	
THE PROPOSED CONVEYANCE OF PERMANENT EASEMENT FOR PUBLIC ROAD PURPOSES TO THE CITY OF HIGHLAND PARK IS HEREBY ACCEPTED.	
BY: _____	DATE: _____
MUNICIPAL OFFICIAL	

**P.I.N. FOR CONVEYED PARCEL:**

16-27-111-009

**LEGAL DESCRIPTION OF CONVEYANCE:**

THAT PART OF LOT 1 IN TOYS-R-US-DELAWARE, INC/ASPI RESUBDIVISION OF DENZEL'S RESUBDIVISION IN THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 27, TOWNSHIP 43 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED DECEMBER 23, 1999 AS DOCUMENT NUMBER 4470022, DESCRIBED AS FOLLOWS:  
BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 00 DEGREES 43 MINUTES 42 SECONDS EAST ALONG THE WEST LINE OF SAID LOT 1, A DISTANCE OF 64.98 FEET; THENCE SOUTH 89 DEGREES 17 MINUTES 40 SECONDS EAST 25.00 FEET; THENCE SOUTH 00 DEGREES 43 MINUTES 42 SECONDS WEST PARALLEL WITH SAID WEST LINE 28.00 FEET; THENCE SOUTH 89 DEGREES 17 MINUTES 40 SECONDS EAST 15.00 FEET; THENCE SOUTH 00 DEGREES 43 MINUTES 42 SECONDS WEST PARALLEL WITH SAID WEST LINE 36.99 FEET TO A POINT ON THE SOUTH LINE OF SAID LOT 1; THENCE NORTH 89 DEGREES 16 MINUTES 18 SECONDS WEST ALONG SAID SOUTH LINE 40.00 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

**PROPERTY AREA:**

AREA OF GRANTORS PARCEL = 341,268 SQ. FT. 7.834 ACRES  
CONVEYED AREA (PERMANENT EASEMENT) = 2,179 SQ. FT. 0.050 ACRES

**LEGEND**

IP = IRON PIPE  
IR = IRON ROD  
(XXX.XX') = RECORD MEASUREMENT

**SURVEYORS NOTES:**

- DISTANCES ARE MARKED IN FEET AND DECIMAL PLACES THEREOF. NO DIMENSION SHALL BE ASSUMED BY SCALE MEASUREMENT HEREON. DISTANCES AND/OR BEARINGS SHOWN IN PARENTHESIS (XXX.XX') ARE RECORD OR DEED VALUES, NOT FIELD MEASURED.
- COMPARE THIS PLAT, LEGAL DESCRIPTION AND ALL SURVEY MONUMENTS BEFORE BUILDING, AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE SURVEYOR.
- THE PROPERTY SHOWN ON THIS PLAT MAY BE SUBJECT TO MATTERS OF TITLE, WHICH MAY BE REVEALED BY A CURRENT TITLE REPORT. EASEMENTS, SETBACKS AND OTHER RESTRICTIONS WHICH MAY BE FOUND IN A CURRENT TITLE REPORT, LOCAL ORDINANCES, DEEDS OR OTHER INSTRUMENTS OF RECORD HAVE NOT BEEN SHOWN.
- PROJECT COORDINATE VALUES AND BEARINGS ARE GROUND AND REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 - ADJUSTMENT 2011. TO OBTAIN GRID DISTANCES, MULTIPLY GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99996901729.

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, SPACECO, INC. HAVE SURVEYED AND PLATTED THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSES SHOWN HEREON, AND THAT THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF SAID PROPERTY.

GIVEN UNDER MY HAND AND NOTORIAL SEAL

THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_

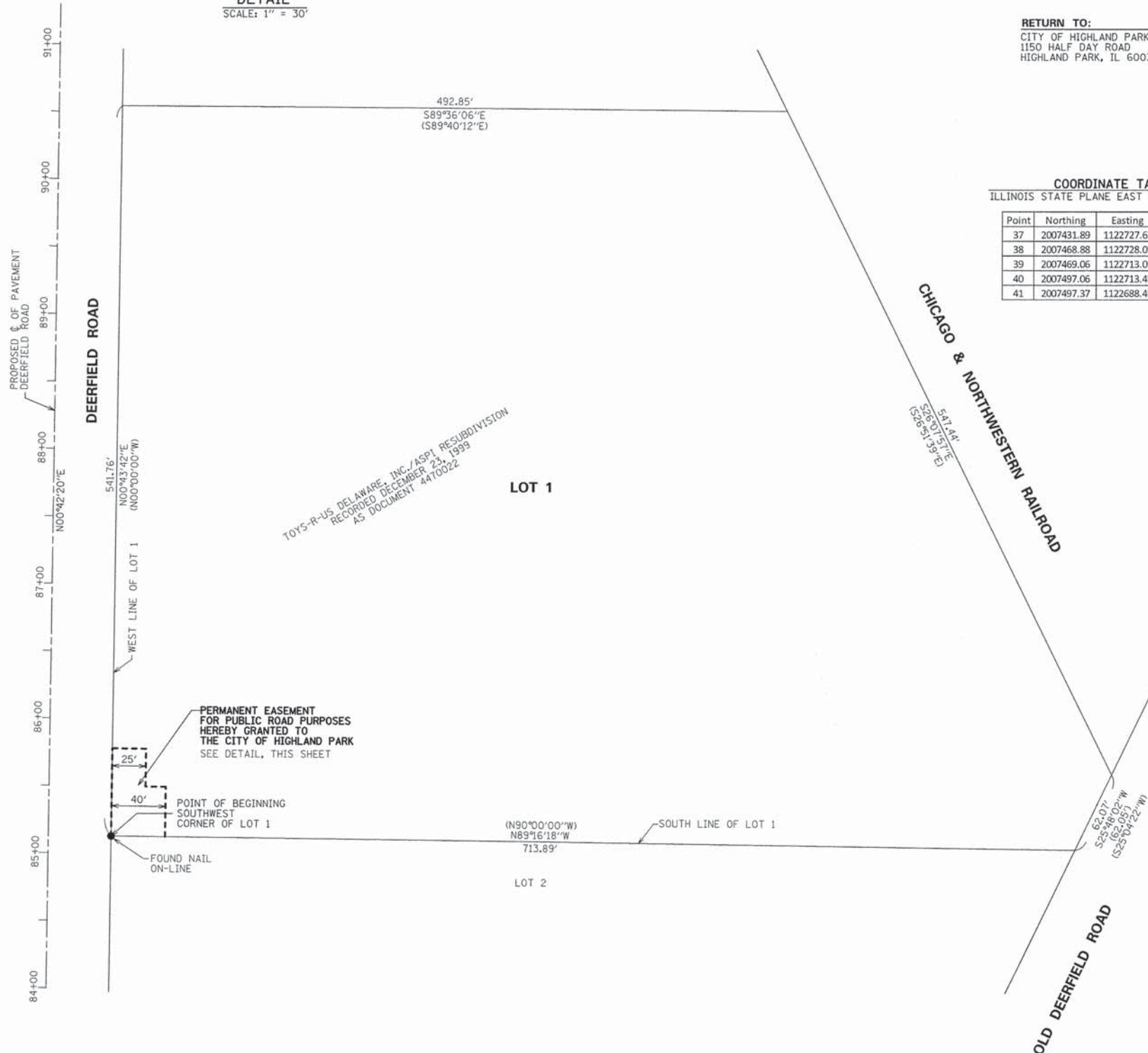
C. BRIAN LOUNSBURY, I.P.L.S. NO. 035-2841  
LICENSE EXPIRES 11-30-2016

DESIGN FIRM LICENSE NUMBER 184-001157  
LICENSE EXPIRES 04-30-2015



**COORDINATE TABLE**  
ILLINOIS STATE PLANE EAST ZONE, NAD83 (2011)

Point	Northing	Easting	SET IRON ROD
37	2007431.89	1122727.62	SET IRON ROD
38	2007468.88	1122728.09	SET IRON ROD
39	2007469.06	1122713.09	SET IRON ROD
40	2007497.06	1122713.45	UNABLE TO SET
41	2007497.37	1122688.45	SET IRON ROD



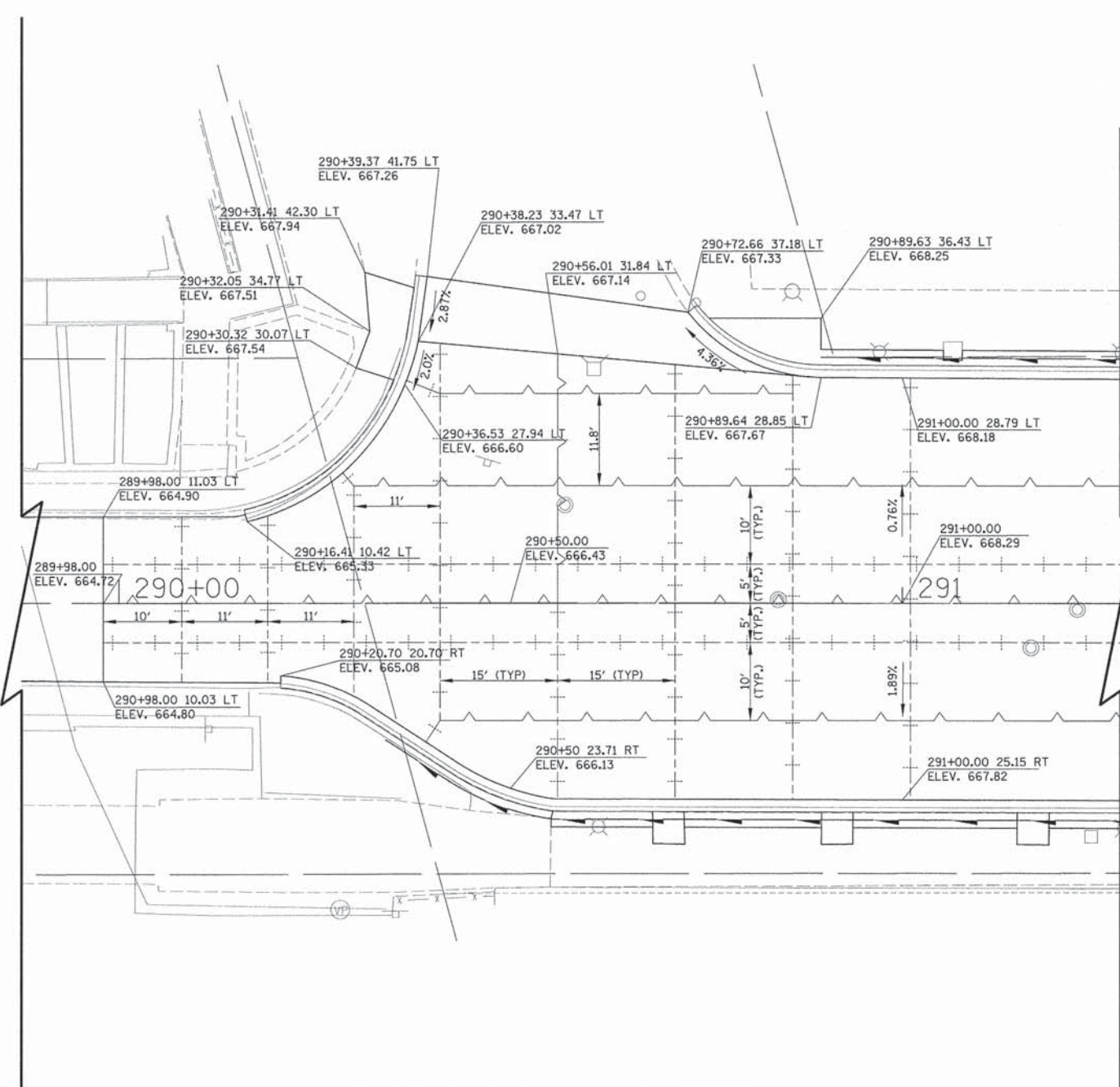
REVISIONS: 11/11/2014 12/08/2014 05/06/2015 05/19/2015		<b>CONSULTING ENGINEERS</b> <b>SITE DEVELOPMENT ENGINEERS</b> <b>LAND SURVEYORS</b>	DATE: 09/15/2014 JOB NO: 8355 FILENAME: 8355 16-27-111-009 SHEET 129 OF 424
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9575 W. Higgins Road, Suite 700,  
Rosemont, Illinois 60018  
Phone: (847) 696-4060 Fax: (847) 696-4065

Contract 63882

PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNMENT CHECKED	
	PAID FILE NAME	

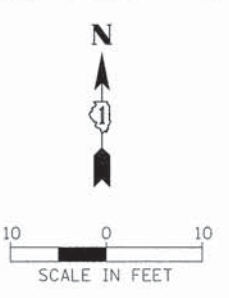
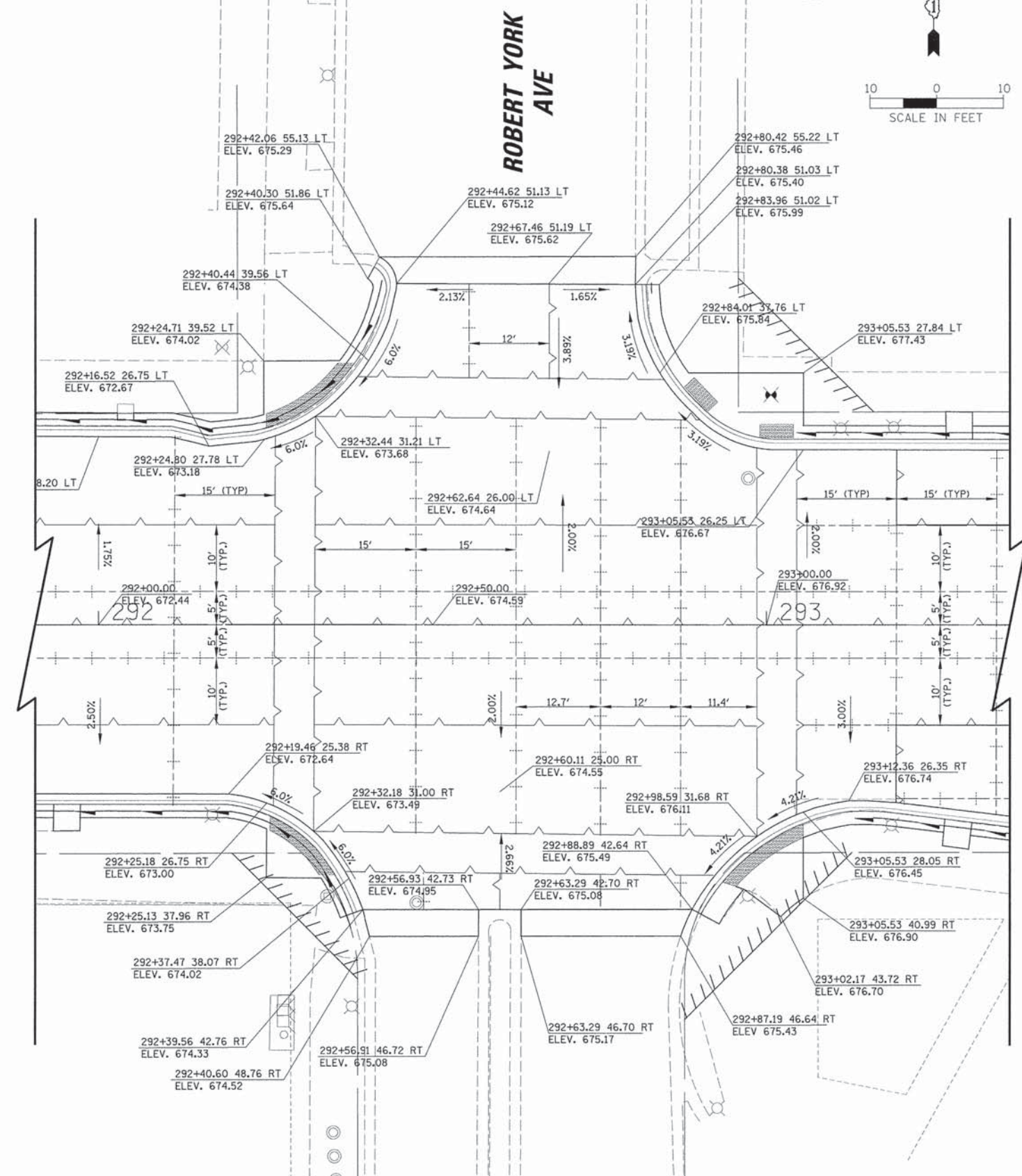
PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS OK	



**LEGEND**

— — — — — LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101

+ + + + + LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001



10'

USER NAME = jptrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 1/8"	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION PAVING DETAILS  
DEERFIELD ROAD**

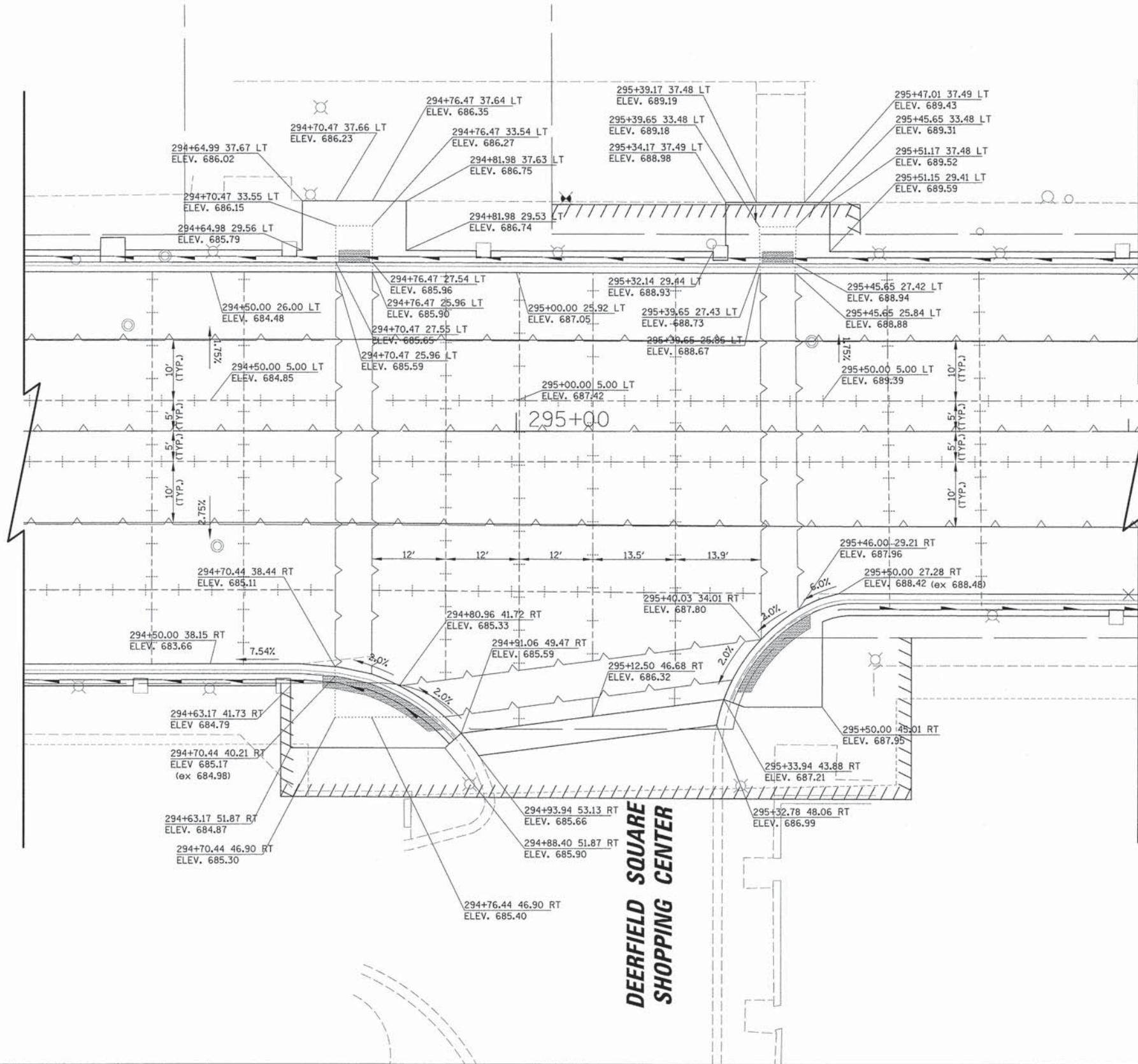
SCALE: SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	130
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\DeerField\120414\Civil\INT\_120414\_01A.SHT

PLAN	SUBMITTED	BY	DATE
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	NO.		
	PAD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	GRADES CHECKED		
	BAR NOTED		
	STRUCTURE NOTATIONS CHKD		
	NO.		



LEGEND	
	LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101
	LONGITUDINAL SAWS JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWS JOINT WITH DOWEL BARS PER STD. 420001

USER NAME = jastriack	DESIGNED - VMR	REVISED -
PLOT SCALE = 1/8"	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

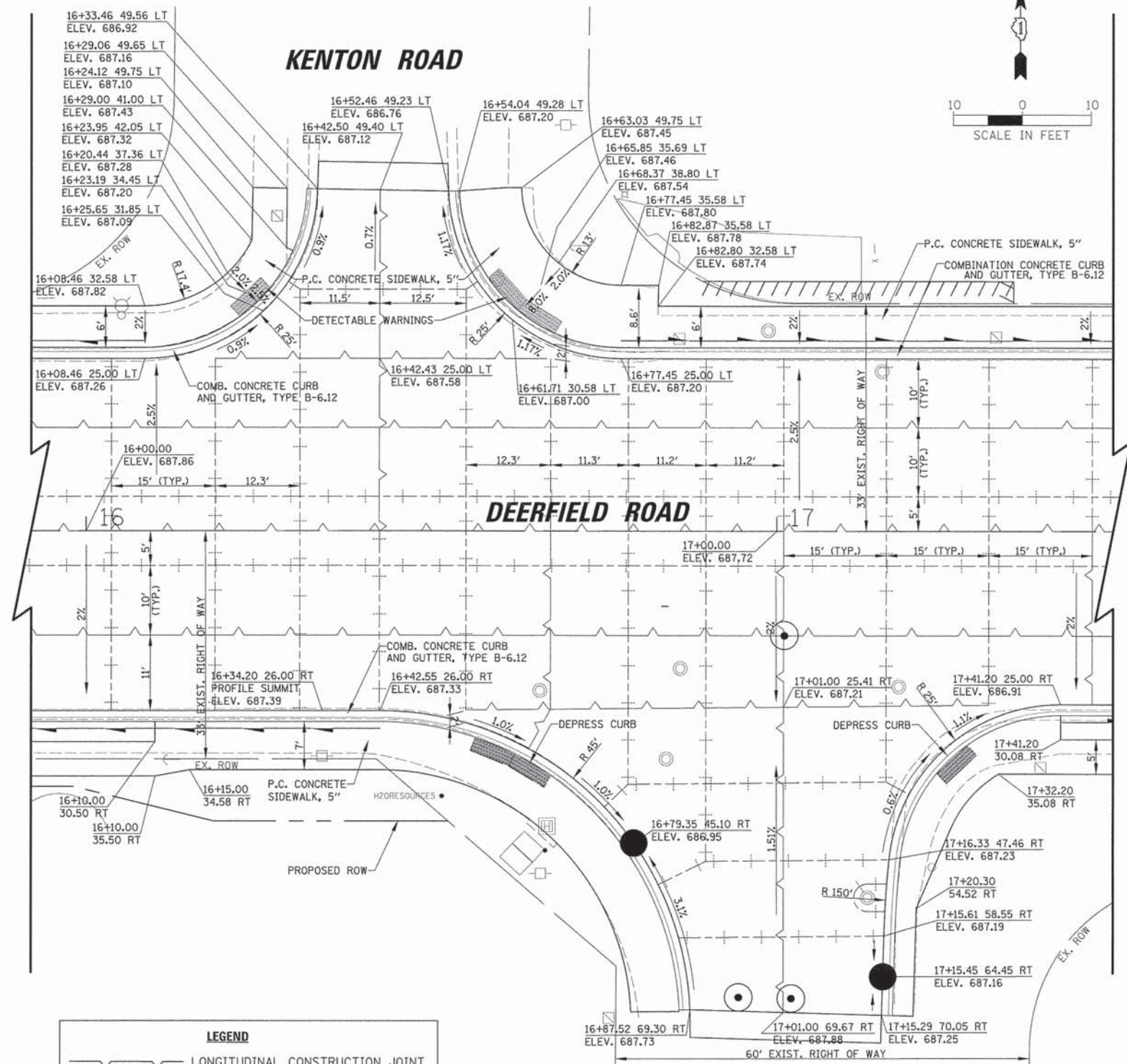
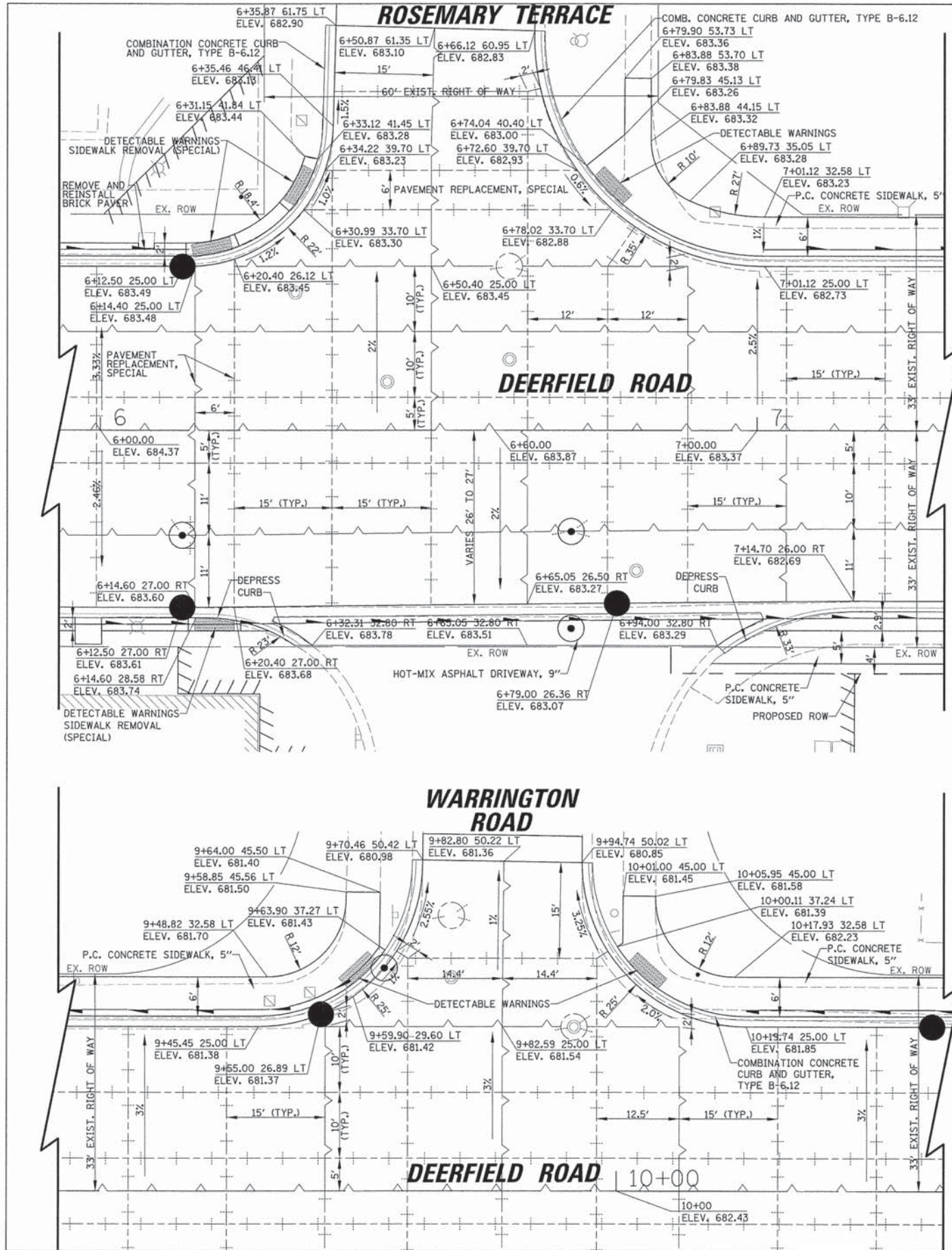
**INTERSECTION PAVING DETAILS**  
**DEERFIELD ROAD**

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	131
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
REVISIONS	
NO.	
BY	
DATE	
APPROVED	
DATE	
BY	

PROFILE	DATE
REVISIONS	
NO.	
BY	
DATE	
APPROVED	
DATE	
BY	



**LEGEND**

— LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101

- - - LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001

USER NAME	= jptrick
DESIGNED	= VMR
DRAWN	=
CHECKED	= SNS
DATE	= 8/30/2015
REVISED	=
REVISED	=
REVISED	=

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

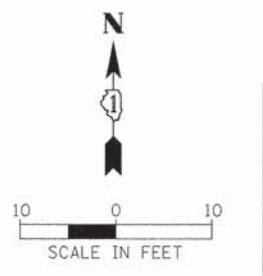
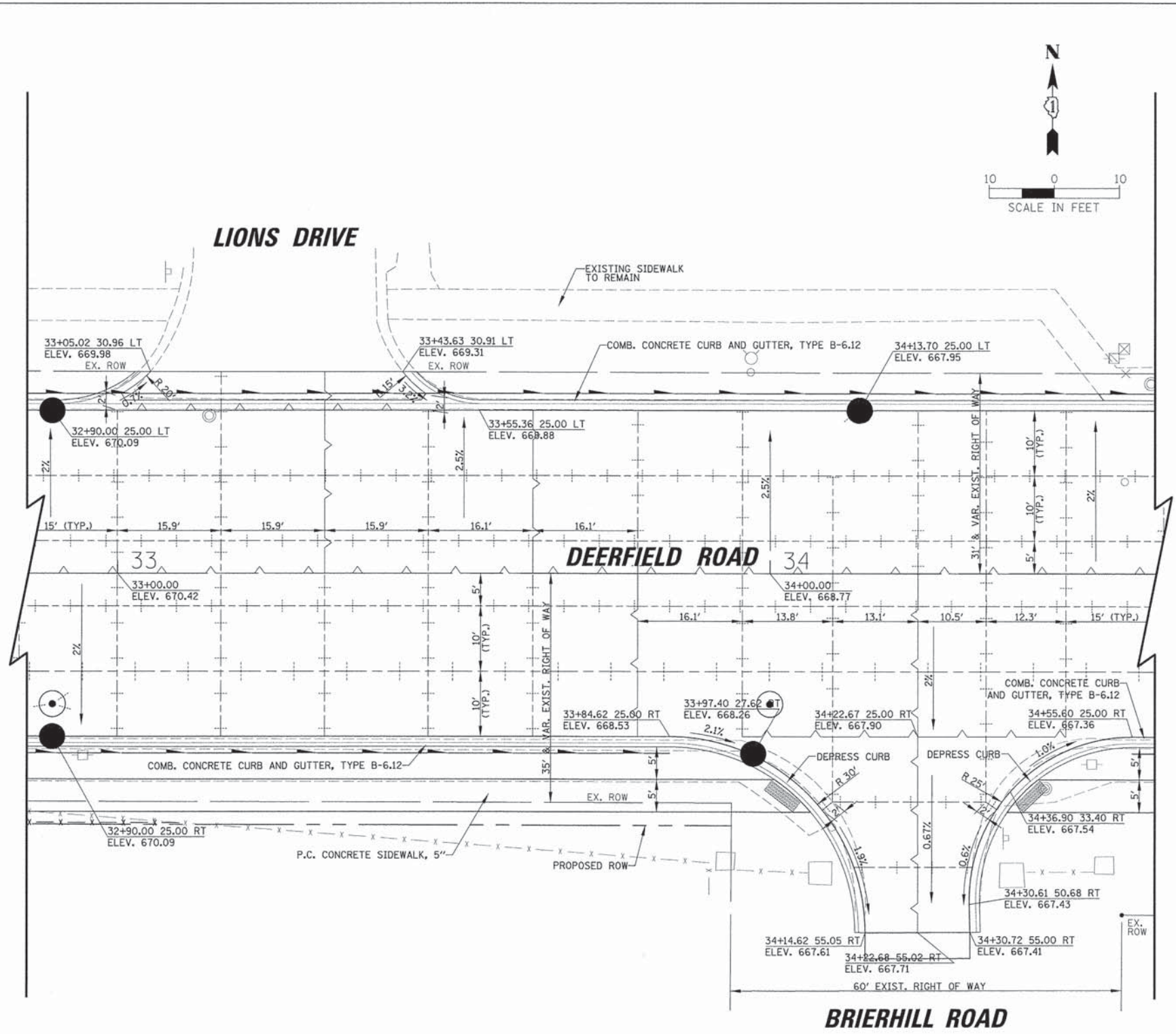
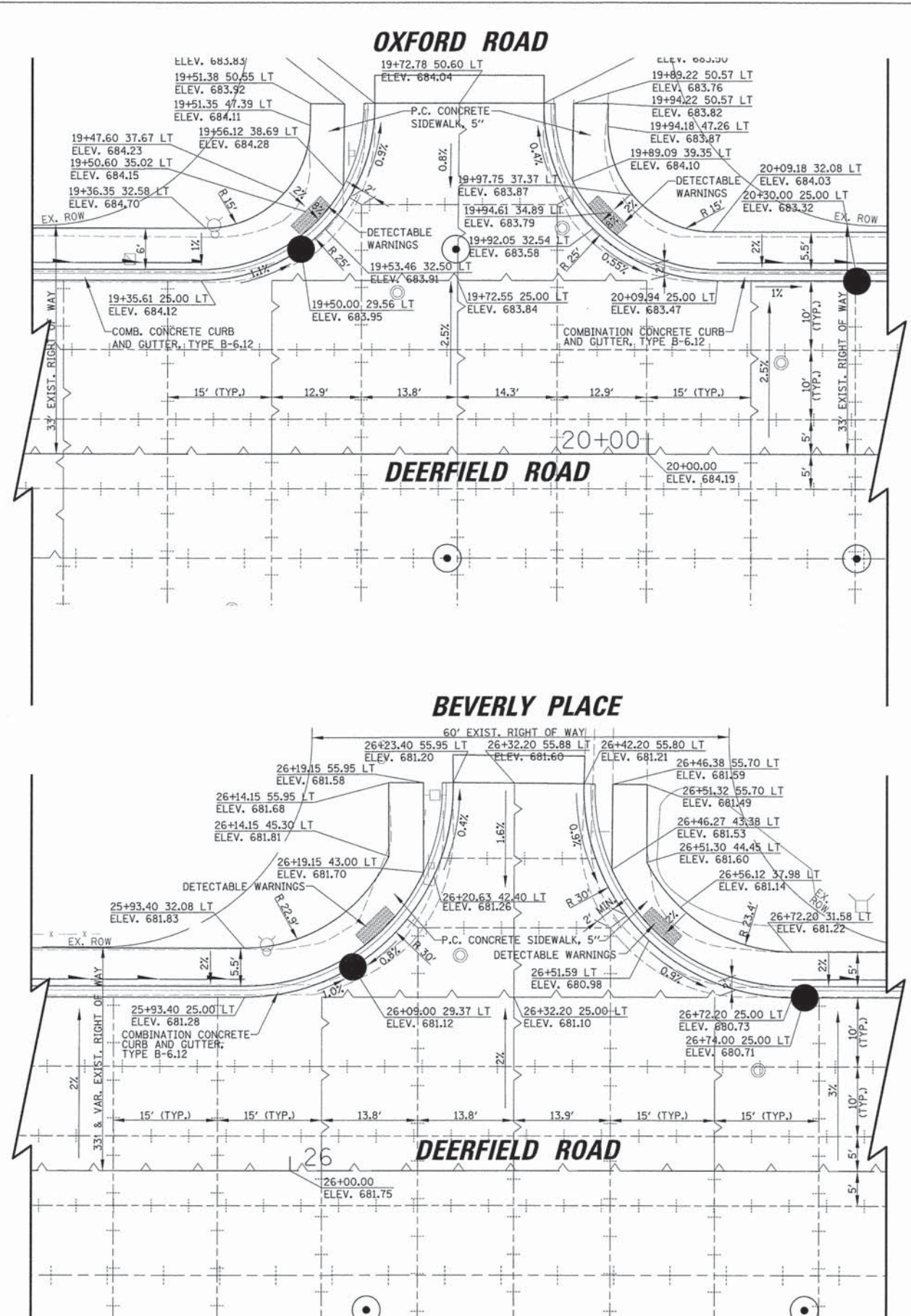
INTERSECTION PAVING DETAILS			
DEERFIELD ROAD			
SCALE:	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	132
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



PLAN	DATE
REVISIONS	BY
SCOTTED	
NOTED	
GRADES CHECKED	
ALIGNMENT CHECKED	
BY	
DATE	
NO.	

PROFILE	DATE
REVISIONS	BY
SCOTTED	
NOTED	
GRADES CHECKED	
ALIGNMENT CHECKED	
BY	
DATE	
NO.	



**LEGEND**

- LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101
- LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001

USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 1/8"	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**INTERSECTION PAVING DETAILS**

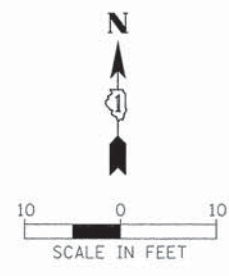
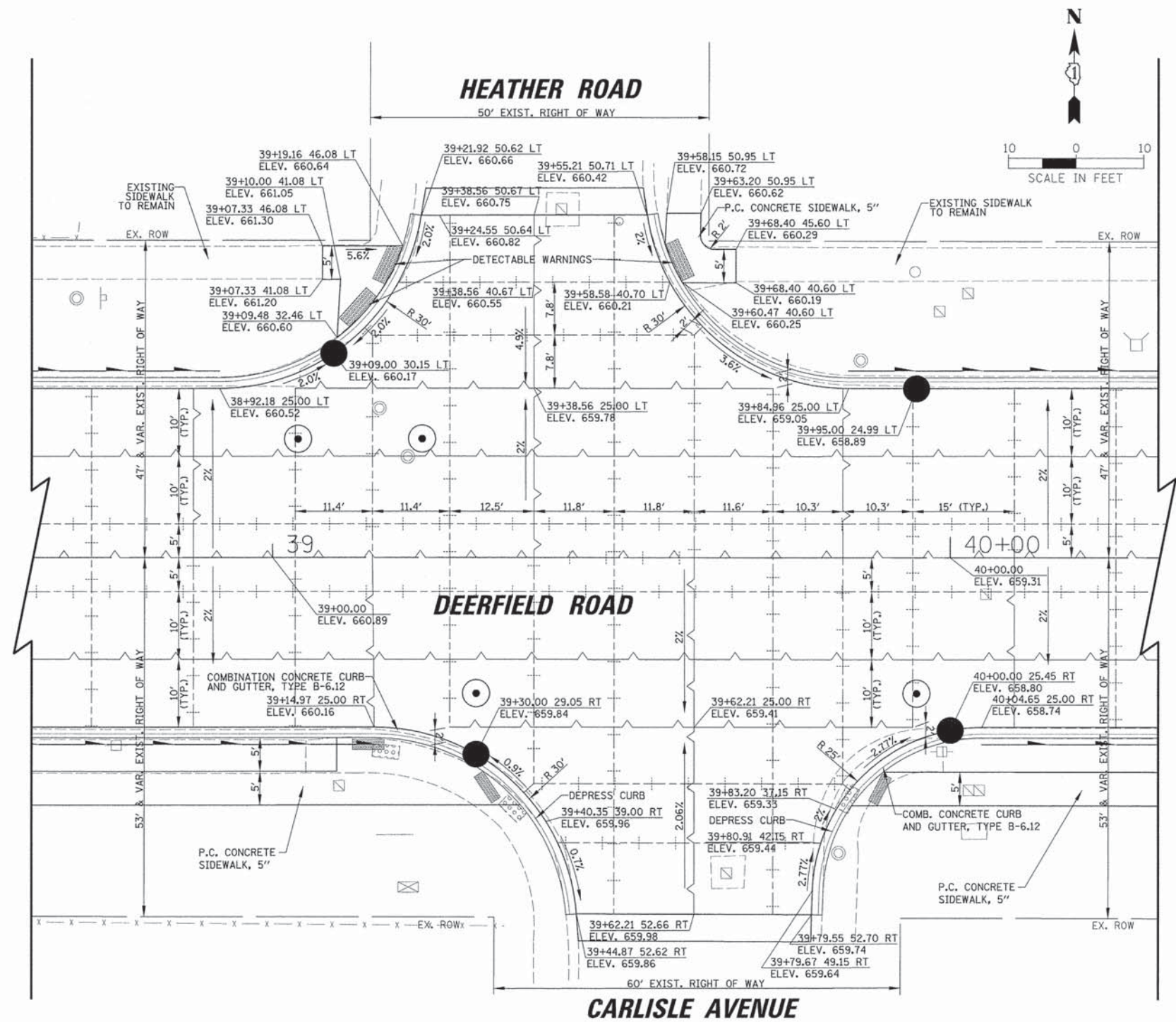
**DEERFIELD ROAD**

SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	133
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLANNED		
	DESIGNED		
	CHECKED		
	NOTED		
	STRUCTURE		
	NOTATIONS		
	CHND		

PROFILE	SURVEYED	BY	DATE
	PLANNED		
	DESIGNED		
	CHECKED		
	NOTED		
	STRUCTURE		
	NOTATIONS		
	CHND		



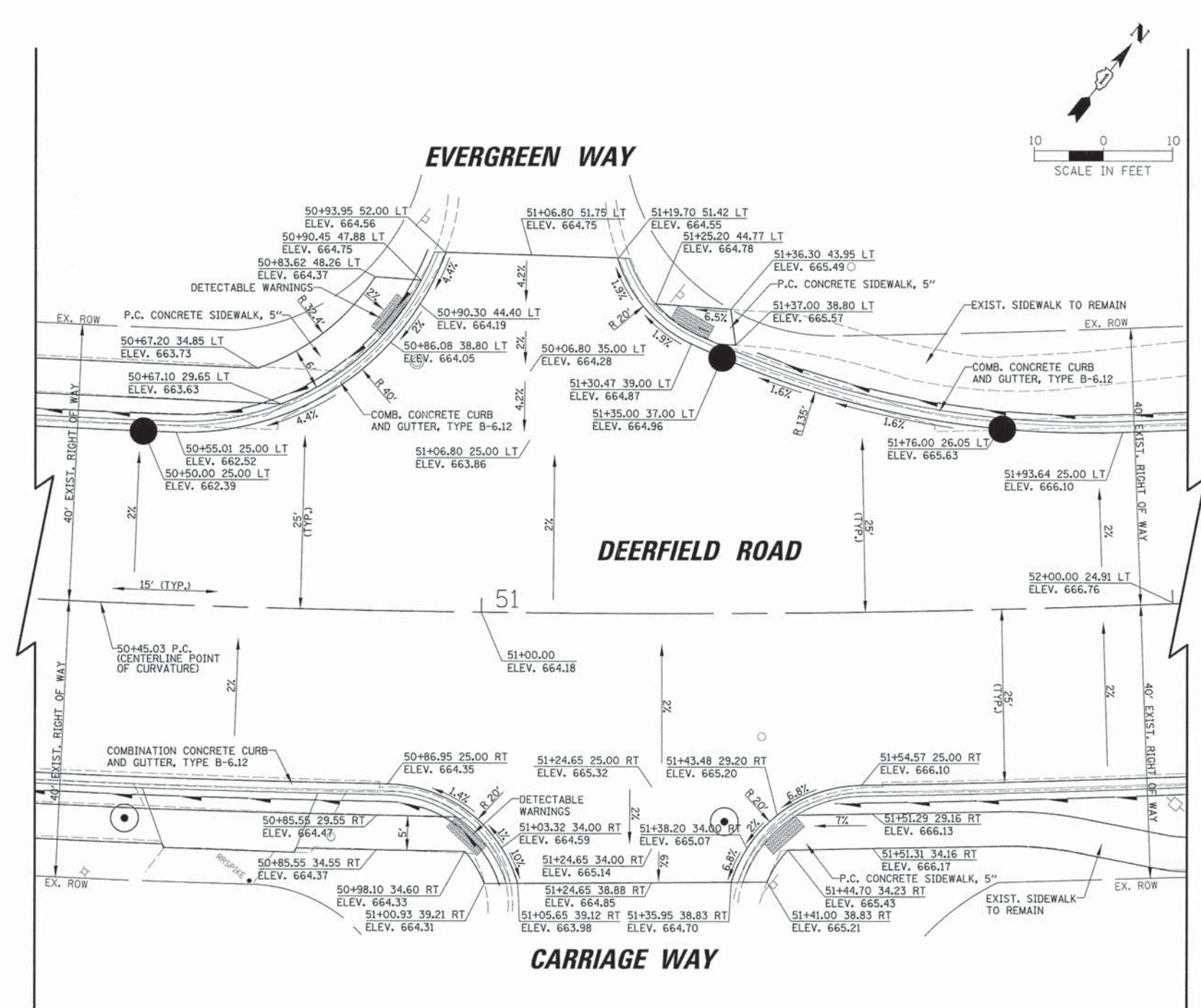
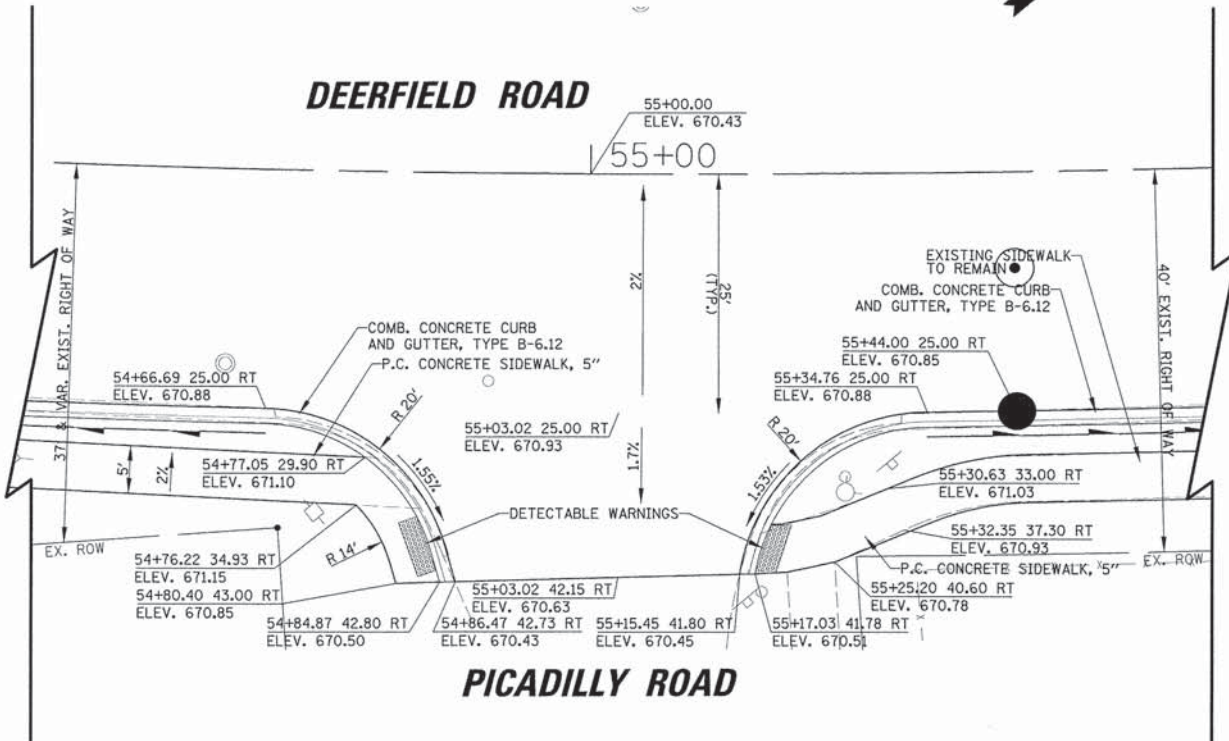
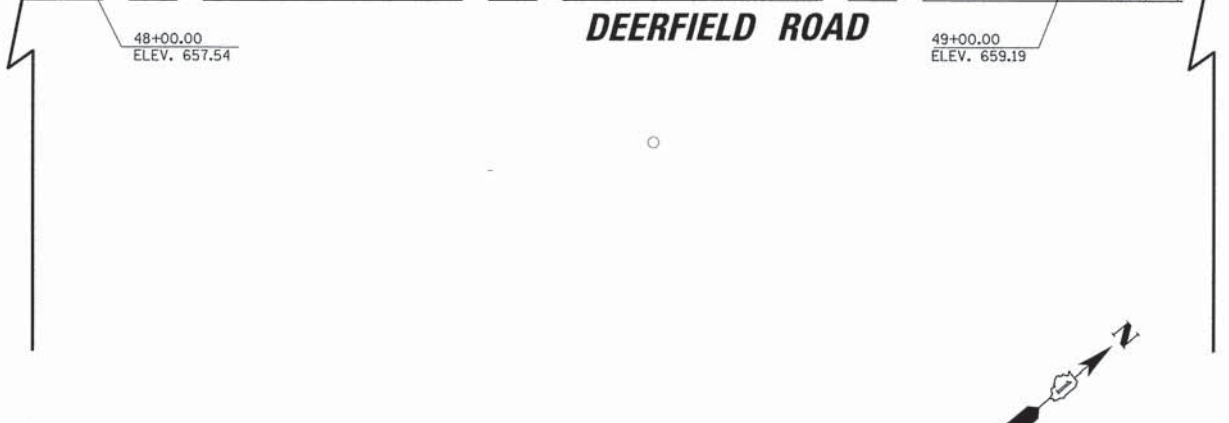
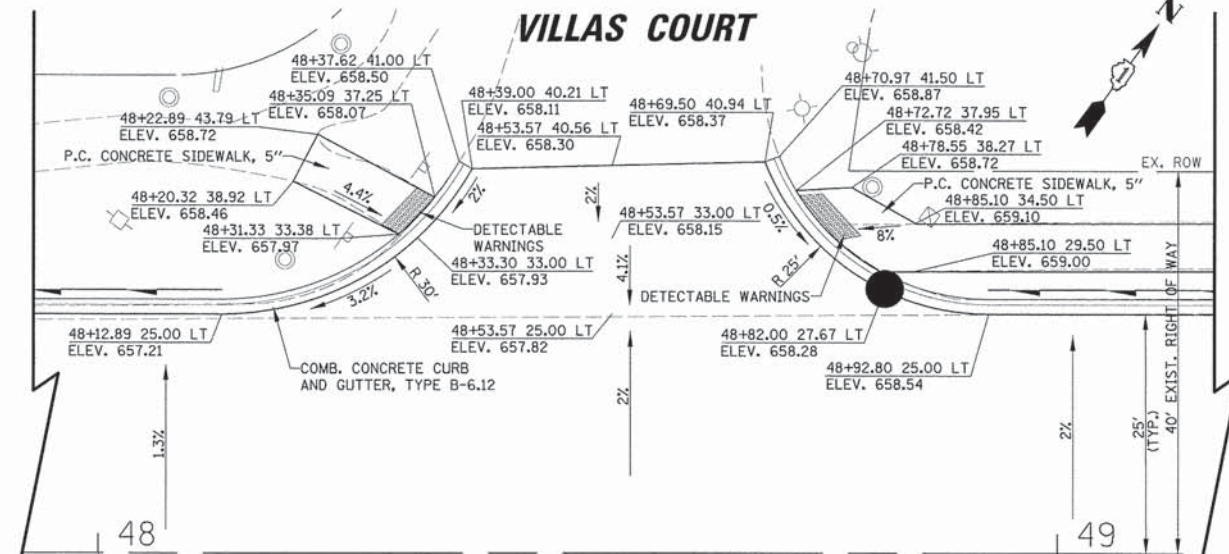
LEGEND	
	LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101
	LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001

10'

USER NAME = jsatriak	DESIGNED - VMR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERSECTION PAVING DETAILS DEERFIELD ROAD</b>		F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 134	
PLOT SCALE = 10"	CHECKED - SNS	REVISED -		SCALE:	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 63882			
PLOT DATE = 8/30/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

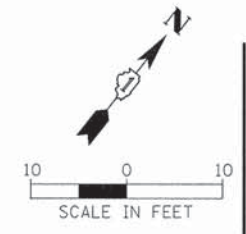
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
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DESCRIPTION	
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REVISIONS	
NO.	
DESCRIPTION	

DATE	
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REVISIONS	
NO.	
DESCRIPTION	
DATE	
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REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



**LEGEND**

	LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101
	LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001



USER NAME = jstrick
DESIGNED - VMR
DRAWN -
CHECKED - SNS
DATE - 8/30/2015

REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

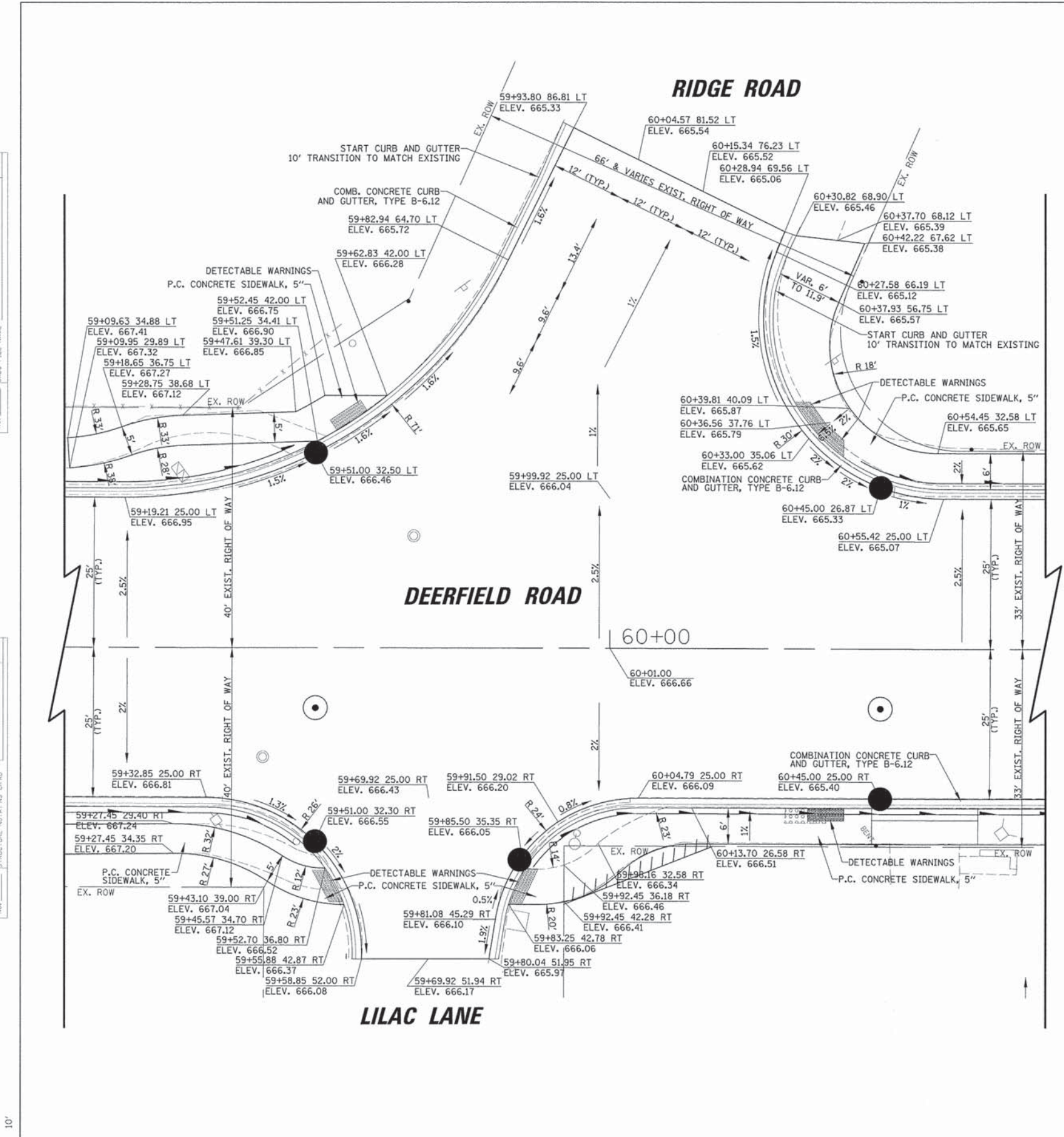
INTERSECTION PAVING DETAILS  
DEERFIELD ROAD

SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 135
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. 1
	NO. 2
	NO. 3
	NO. 4
	NO. 5
	NO. 6
	NO. 7
	NO. 8
	NO. 9
	NO. 10

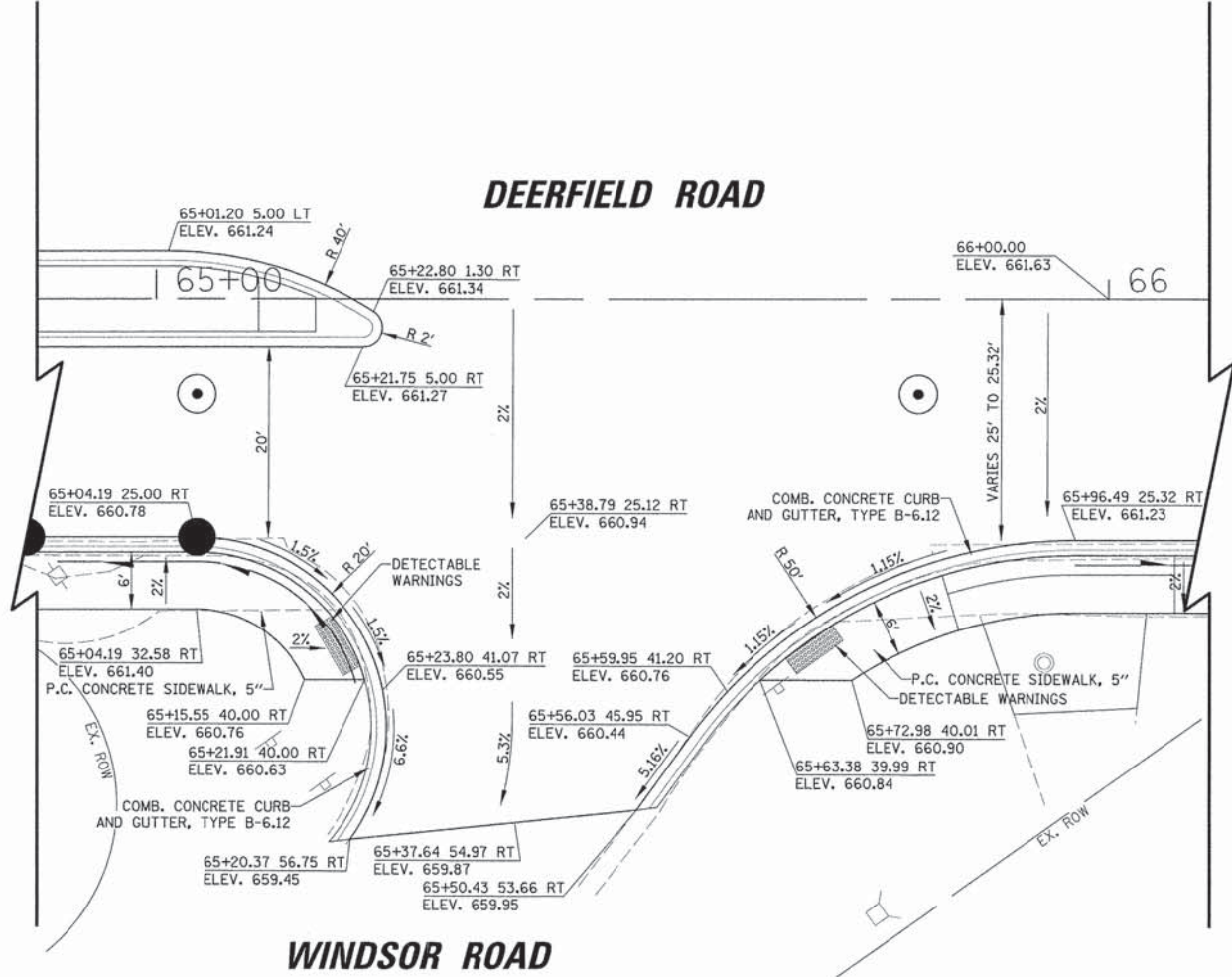
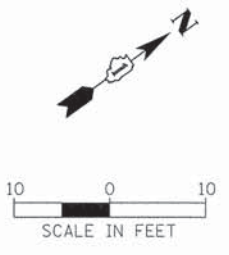
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. 1
	NO. 2
	NO. 3
	NO. 4
	NO. 5
	NO. 6
	NO. 7
	NO. 8
	NO. 9
	NO. 10



**LEGEND**

— — — — — LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE CONSTRUCTION JOINT WITH DOWEL BARS PER STD. 420101

— + — + — + — LONGITUDINAL SAWED JOINT WITH TIE BARS PER STD. 420001 OR TRANSVERSE SAWED JOINT WITH DOWEL BARS PER STD. 420001



USER NAME = jstrick
DESIGNED - VMR
DRAWN -
CHECKED - SNS
DATE -
PLLOT SCALE = 1/8"
PLLOT DATE = 8/30/2015

REVISED -
REVISED -
REVISED -
REVISED -

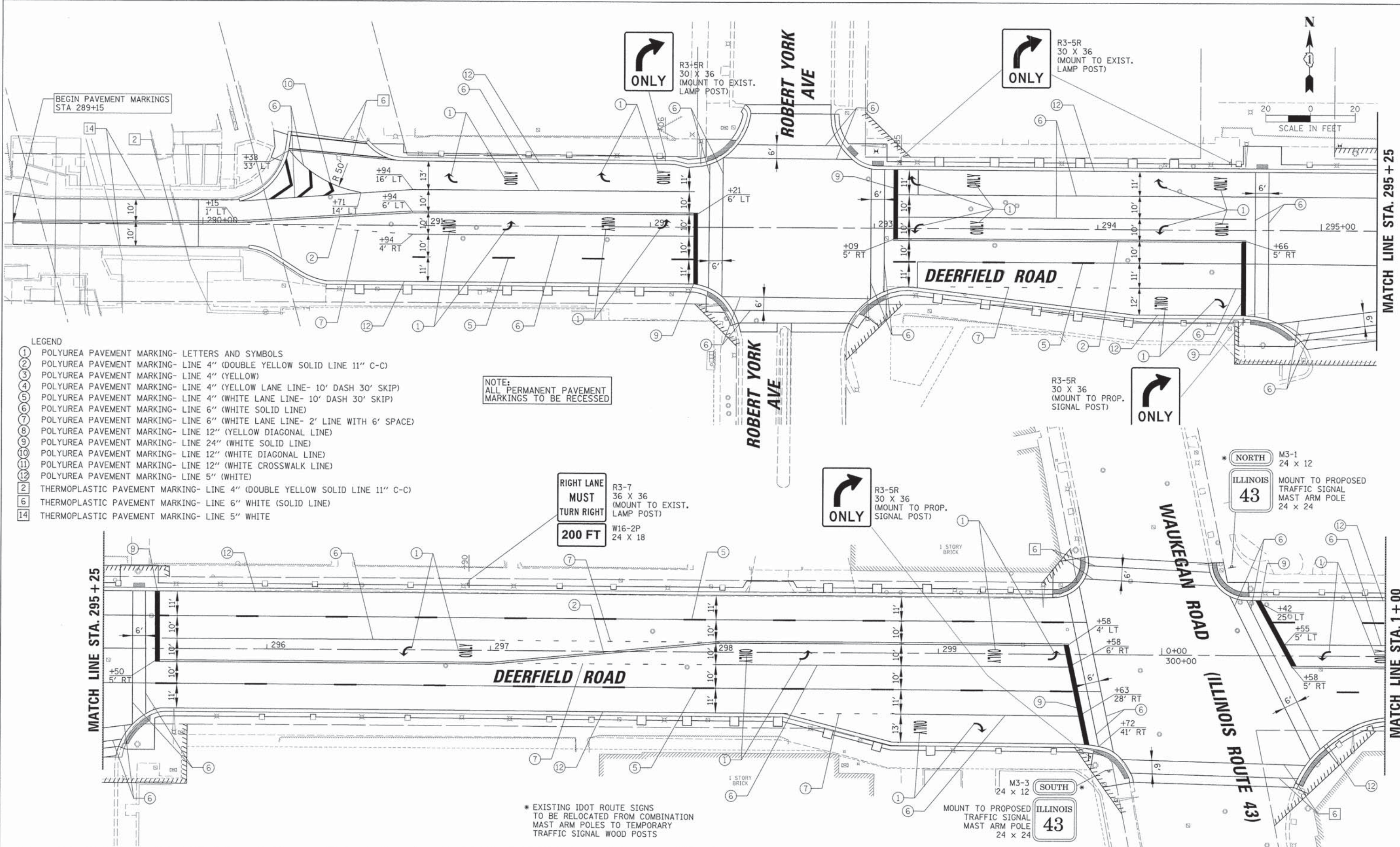
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION PAVING DETAILS			
DEERFIELD ROAD			
SCALE:	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	136
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
DESCRIPTION	
NOTED	
APPROVED	
DATE	
BY	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
DESCRIPTION	
NOTED	
APPROVED	
DATE	
BY	



- LEGEND**
- ① POLYUREA PAVEMENT MARKING- LETTERS AND SYMBOLS
  - ② POLYUREA PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - ③ POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
  - ④ POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
  - ⑤ POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - ⑥ POLYUREA PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
  - ⑦ POLYUREA PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - ⑧ POLYUREA PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - ⑨ POLYUREA PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
  - ⑩ POLYUREA PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
  - ⑪ POLYUREA PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
  - ⑫ POLYUREA PAVEMENT MARKING- LINE 5" (WHITE)
  - ⑬ THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - ⑭ THERMOPLASTIC PAVEMENT MARKING- LINE 6" WHITE (SOLID LINE)
  - ⑮ THERMOPLASTIC PAVEMENT MARKING- LINE 5" WHITE

NOTE:  
ALL PERMANENT PAVEMENT  
MARKINGS TO BE RECESSED

RIGHT LANE  
MUST  
TURN RIGHT  
200 FT

\* EXISTING IDOT ROUTE SIGNS  
TO BE RELOCATED FROM COMBINATION  
MAST ARM POLES TO TEMPORARY  
TRAFFIC SIGNAL WOOD POSTS

USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

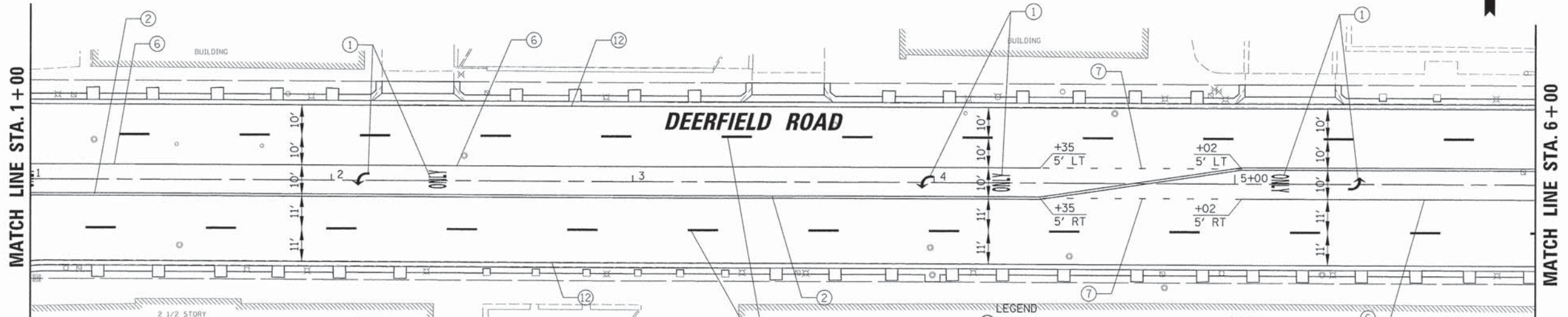
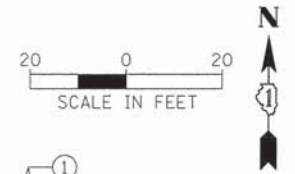
**PAVEMENT MARKING AND SIGNING PLAN  
DEERFIELD ROAD**

SCALE: 20 SHEET NO. 1 OF 11 SHEETS STA. 289+15 TO STA. 1+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 137
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	DATE
NO.	BY	
NOTE BOOK	ALIGNED	CHECKED
NO.	DATE	DATE
FILE NAME		

PROFILE	DESIGNED	DATE
NO.	BY	
NOTE BOOK	GRADES	CHECKED
NO.	DATE	DATE
FILE NAME		



LEGEND

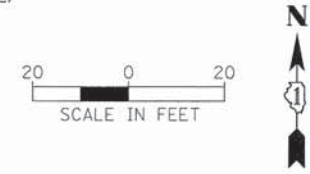
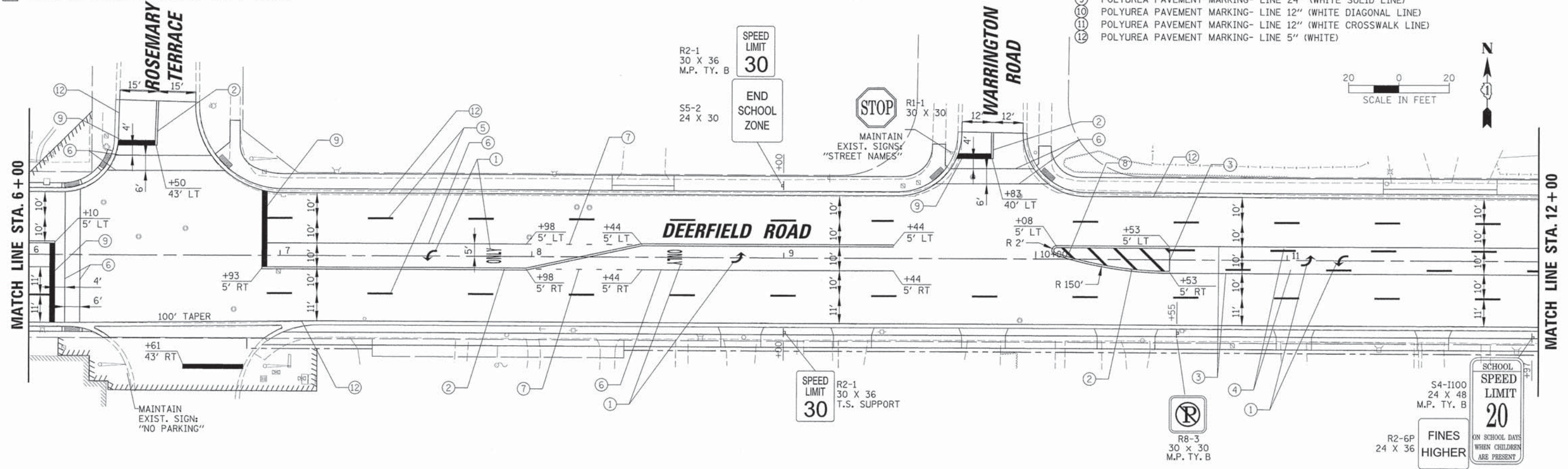
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
- 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 5 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
- 6 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
- 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)

LEGEND

T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
M.P. TY. A = METAL POST TYPE A

LEGEND

- 1 POLYUREA PAVEMENT MARKING- LETTERS AND SYMBOLS
- 2 POLYUREA PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 3 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
- 4 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
- 5 POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
- 6 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
- 7 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
- 8 POLYUREA PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
- 9 POLYUREA PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
- 10 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
- 11 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
- 12 POLYUREA PAVEMENT MARKING- LINE 5" (WHITE)



USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 28'	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

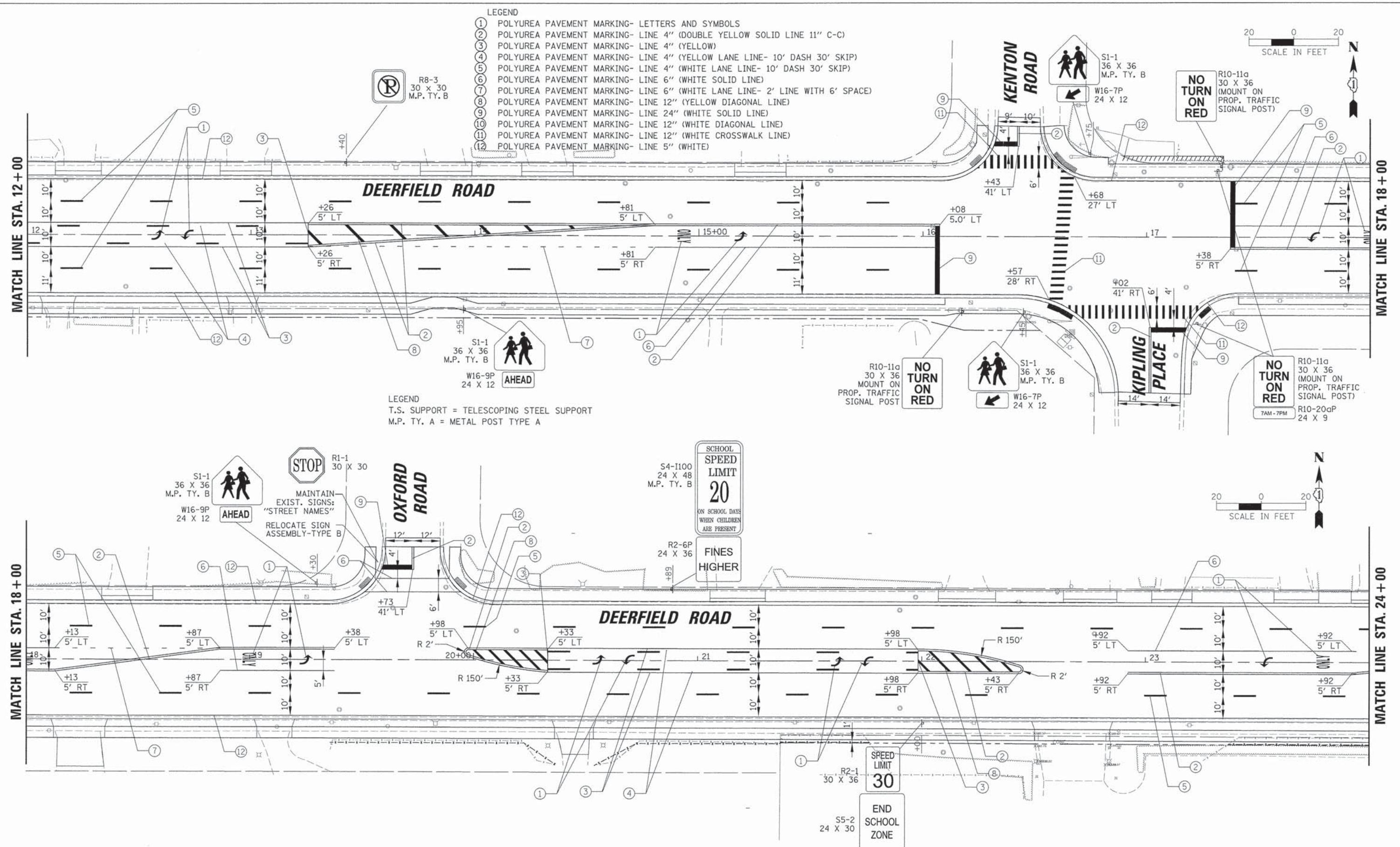
PAVEMENT MARKING AND SIGNING PLAN DEERFIELD ROAD			
SCALE: 20	SHEET NO. 2 OF 11 SHEETS	STA. 1+00	TO STA. 12+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 138
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
PLAN	
NO.	
DATE	
BY	
NO.	
PROFILE	
NO.	
DATE	
BY	
NO.	

DATE	
BY	
NO.	
PROFILE	
NO.	
DATE	
BY	
NO.	

- LEGEND
- 1 POLYUREA PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 POLYUREA PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
  - 4 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
  - 5 POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - 6 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
  - 7 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - 8 POLYUREA PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - 9 POLYUREA PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
  - 10 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
  - 11 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
  - 12 POLYUREA PAVEMENT MARKING- LINE 5" (WHITE)



LEGEND  
 T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
 M.P. TY. A = METAL POST TYPE A



USER NAME	= jstrick
DESIGNED	= VMR
DRAWN	=
CHECKED	= SNS
DATE	= 8/30/2015

REVISED	=
REVISED	=
REVISED	=
REVISED	=

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

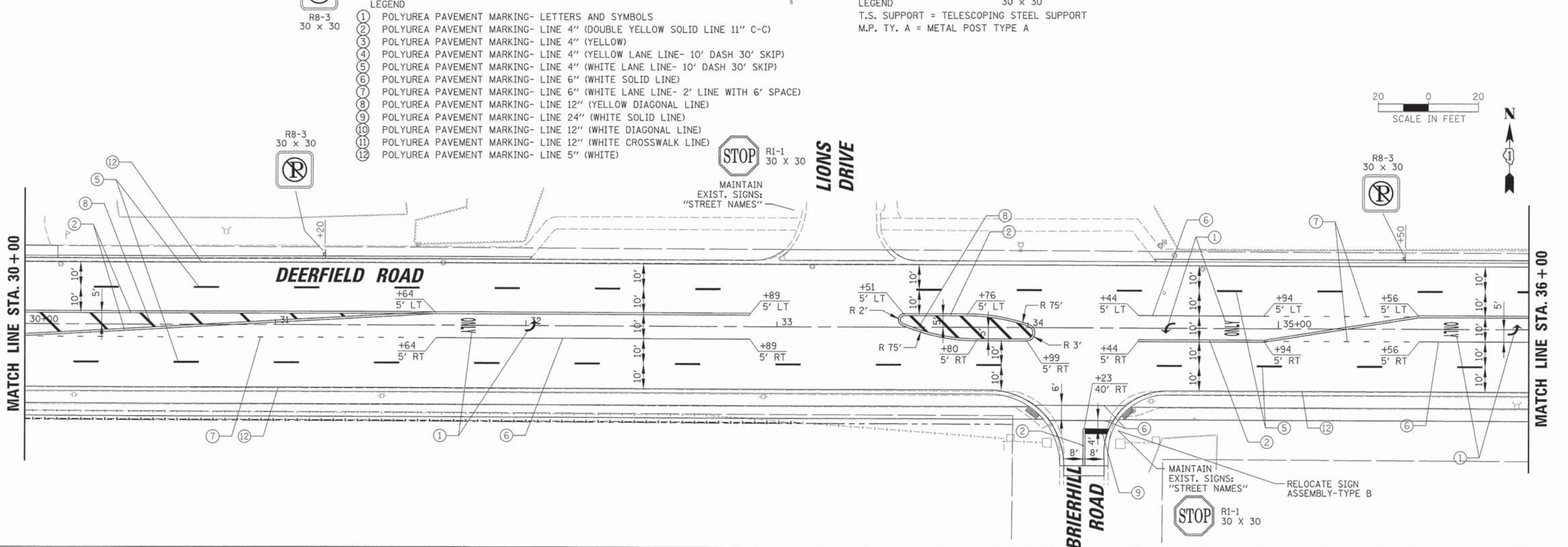
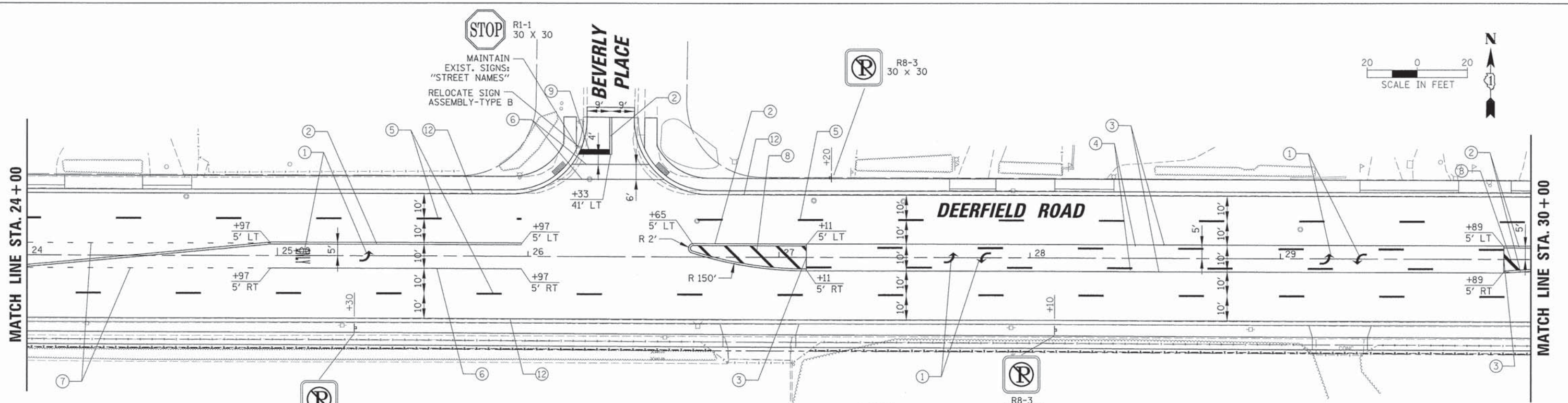
PAVEMENT MARKING AND SIGNING PLAN  
 DEERFIELD ROAD

SCALE: 20 SHEET NO. 3 OF 11 SHEETS STA. 12+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	139
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	



- LEGEND**
- ① POLYUREA PAVEMENT MARKING- LETTERS AND SYMBOLS
  - ② POLYUREA PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - ③ POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
  - ④ POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
  - ⑤ POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - ⑥ POLYUREA PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
  - ⑦ POLYUREA PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - ⑧ POLYUREA PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - ⑨ POLYUREA PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
  - ⑩ POLYUREA PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
  - ⑪ POLYUREA PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
  - ⑫ POLYUREA PAVEMENT MARKING- LINE 5" (WHITE)

**LEGEND**  
T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
M.P. TY. A = METAL POST TYPE A

USER NAME = jstrick	DESIGNED - VMR	REVISED -
PLLOT SCALE = 20'	DRAWN -	REVISED -
PLLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN**  
**DEERFIELD ROAD**  
SCALE: 20 SHEET NO. 4 OF 11 SHEETS STA. 24+00 TO STA. 36+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 140
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

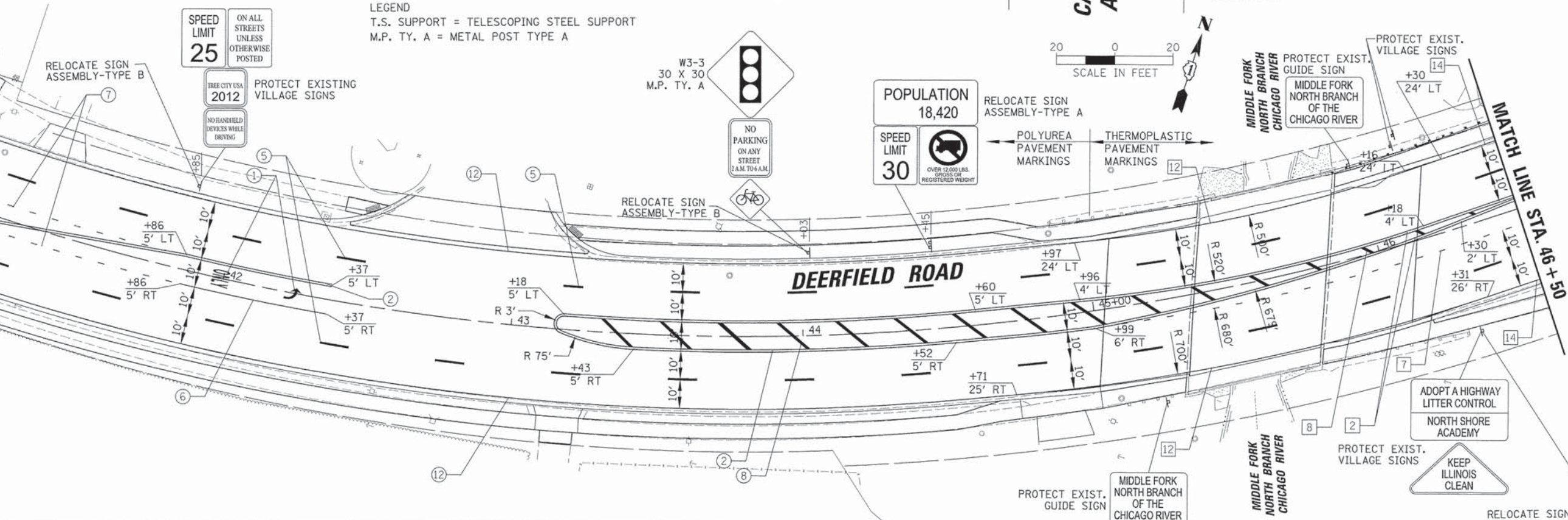
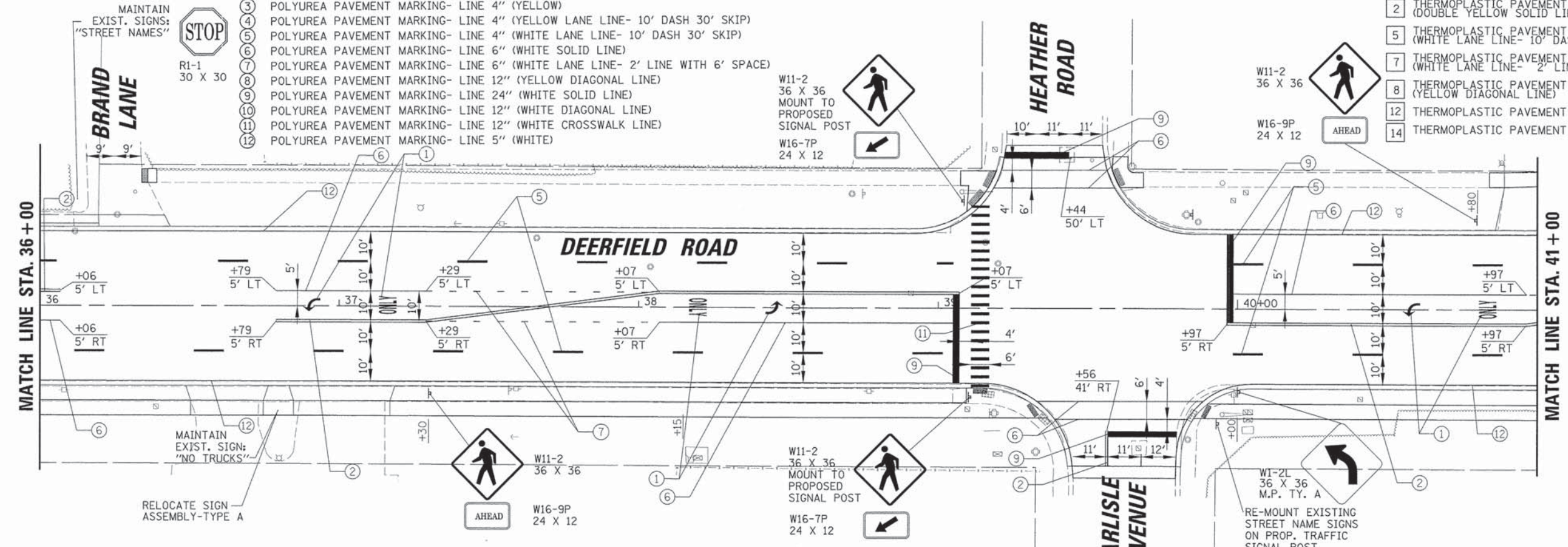


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SAVED	
NOTED	
ALIGNED	
CHECKED	
BY	
NO. OF	
FILE	
NO.	

DATE	
BY	
SAVED	
NOTED	
ALIGNED	
CHECKED	
BY	
NO. OF	
FILE	
NO.	

- LEGEND
- 1 POLYUREA PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 POLYUREA PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
  - 4 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
  - 5 POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - 6 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
  - 7 POLYUREA PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - 8 POLYUREA PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - 9 POLYUREA PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
  - 10 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
  - 11 POLYUREA PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
  - 12 POLYUREA PAVEMENT MARKING- LINE 5" (WHITE)

- LEGEND
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 5 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - 7 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - 8 THERMOPLASTIC PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - 12 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE)
  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)



USER NAME	= jsttrack
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

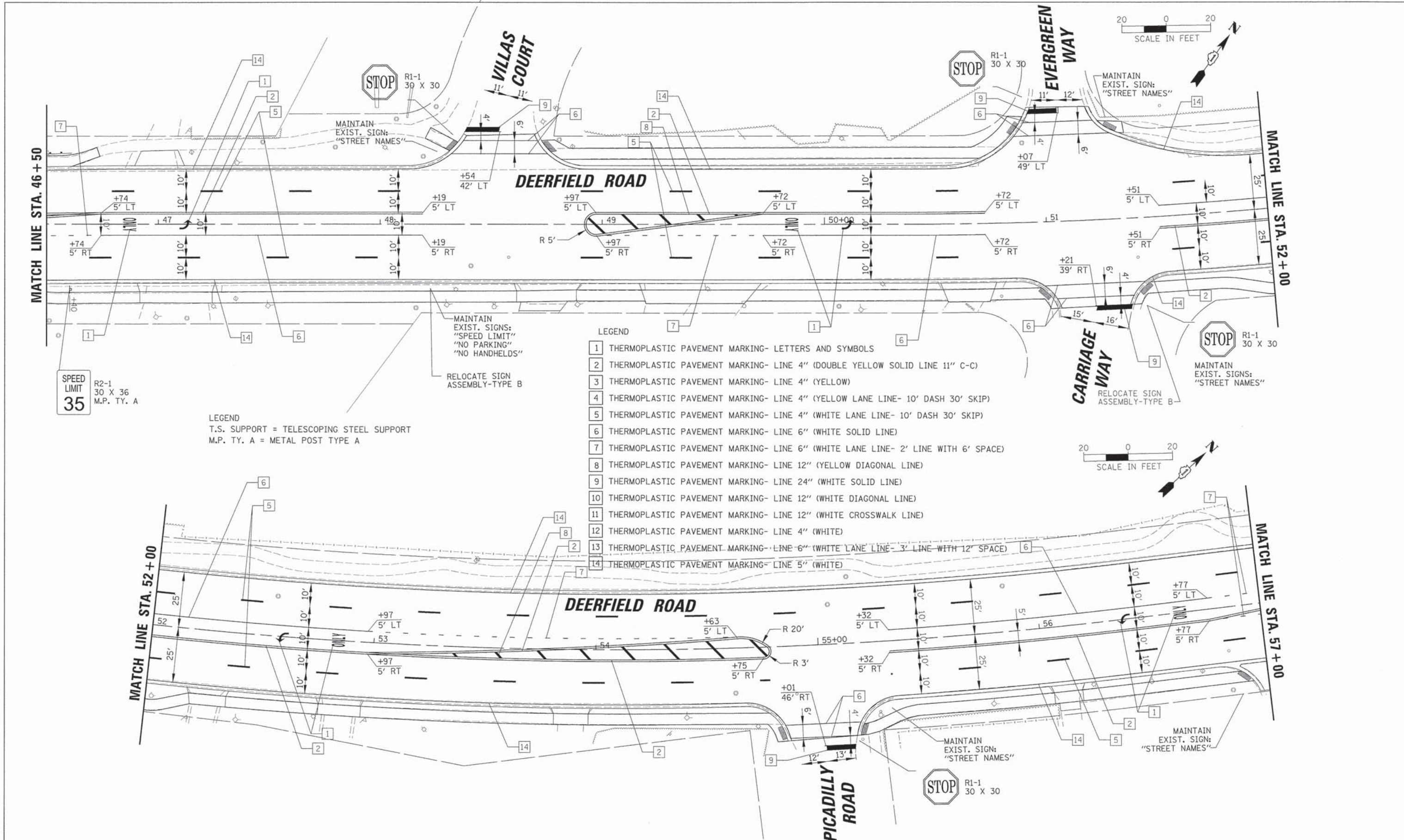
PAVEMENT MARKING AND SIGNING PLAN  
DEERFIELD ROAD

SCALE: 20 SHEET NO. 5 OF 11 SHEETS STA. 36+00 TO STA. 46+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	141
			CONTRACT NO. 63882	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	
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BY	
PROFILE	
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BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW)
  - 4 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
  - 5 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)
  - 6 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE SOLID LINE)
  - 7 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 2' LINE WITH 6' SPACE)
  - 8 THERMOPLASTIC PAVEMENT MARKING- LINE 12" (YELLOW DIAGONAL LINE)
  - 9 THERMOPLASTIC PAVEMENT MARKING- LINE 24" (WHITE SOLID LINE)
  - 10 THERMOPLASTIC PAVEMENT MARKING- LINE 12" (WHITE DIAGONAL LINE)
  - 11 THERMOPLASTIC PAVEMENT MARKING- LINE 12" (WHITE CROSSWALK LINE)
  - 12 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE)
  - 13 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 3' LINE WITH 12" SPACE)
  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)

**LEGEND**  
T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
M.P. TY. A = METAL POST TYPE A

RELOCATE SIGN ASSEMBLY-TYPE B  
MAINTAIN EXIST. SIGNS:  
"NO PARKING"  
"NO HANDHELDS"

SPEED LIMIT  
R2-1  
30 X 36  
M.P. TY. A  
**35**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN  
DEERFIELD ROAD**

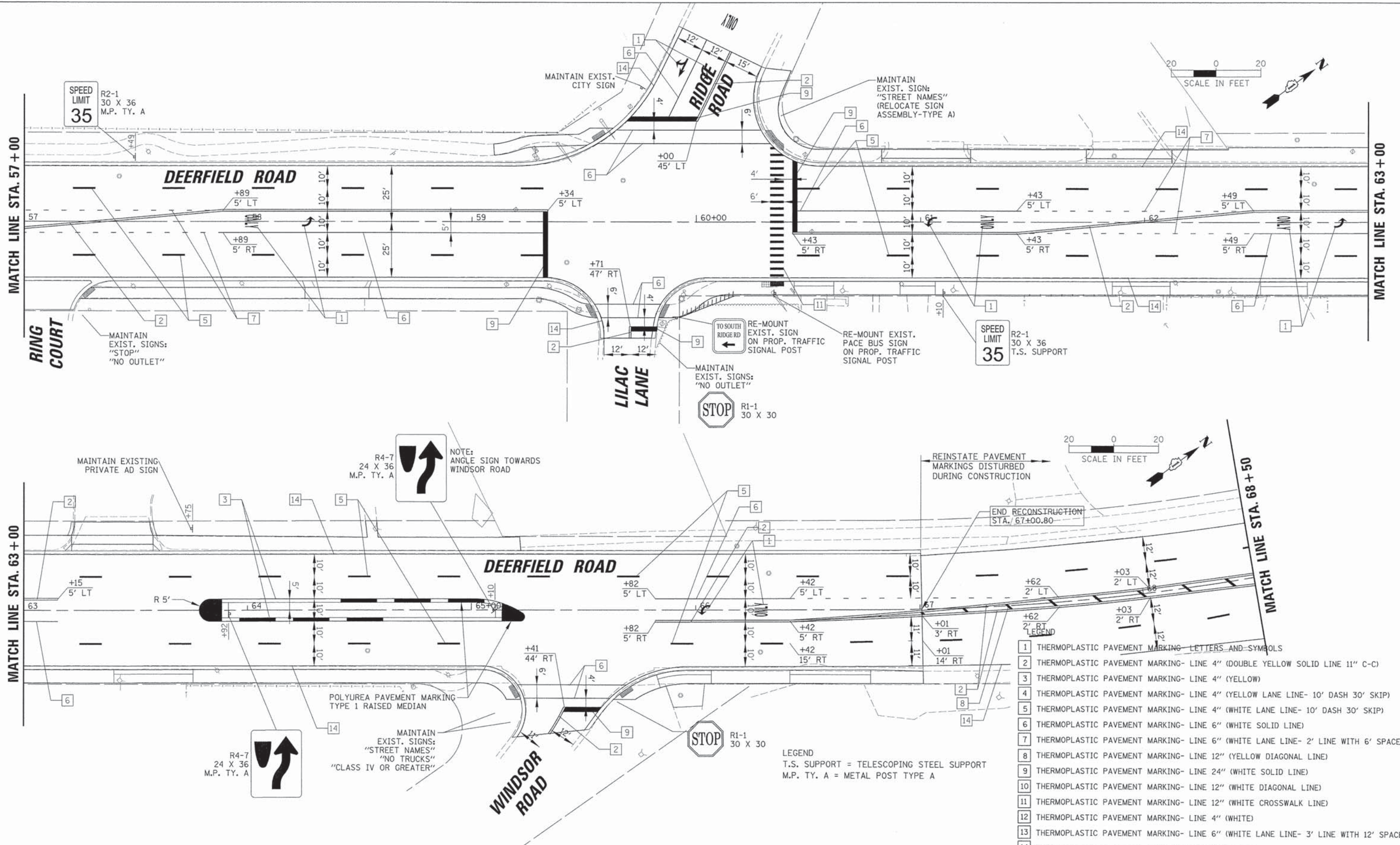
USER NAME = jastrick	DESIGNED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN -	REVISED -
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

SCALE: 20 SHEET NO. 6 OF 11 SHEETS STA. 46+50 TO STA. 57+00

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 142
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	DATE
DESIGNED	BY
CHECKED	DATE
APPROVED	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	

PROFILE	DATE
DESIGNED	BY
CHECKED	DATE
APPROVED	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	



- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW)
  - 4 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW LANE LINE- 10' DASH 30' SKIP)
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  - 12 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE)
  - 13 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 3' LINE WITH 12' SPACE)
  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)
- LEGEND**  
T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
M.P. TY. A = METAL POST TYPE A

USER NAME = jstsrsk
DESIGNED - VMR
DRAWN -
CHECKED - SNS
DATE -
PLDT SCALE = 20'
PLOT DATE = 8/30/2015

DESIGNED - VMR	REVISED -
DRAWN -	REVISED -
CHECKED - SNS	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

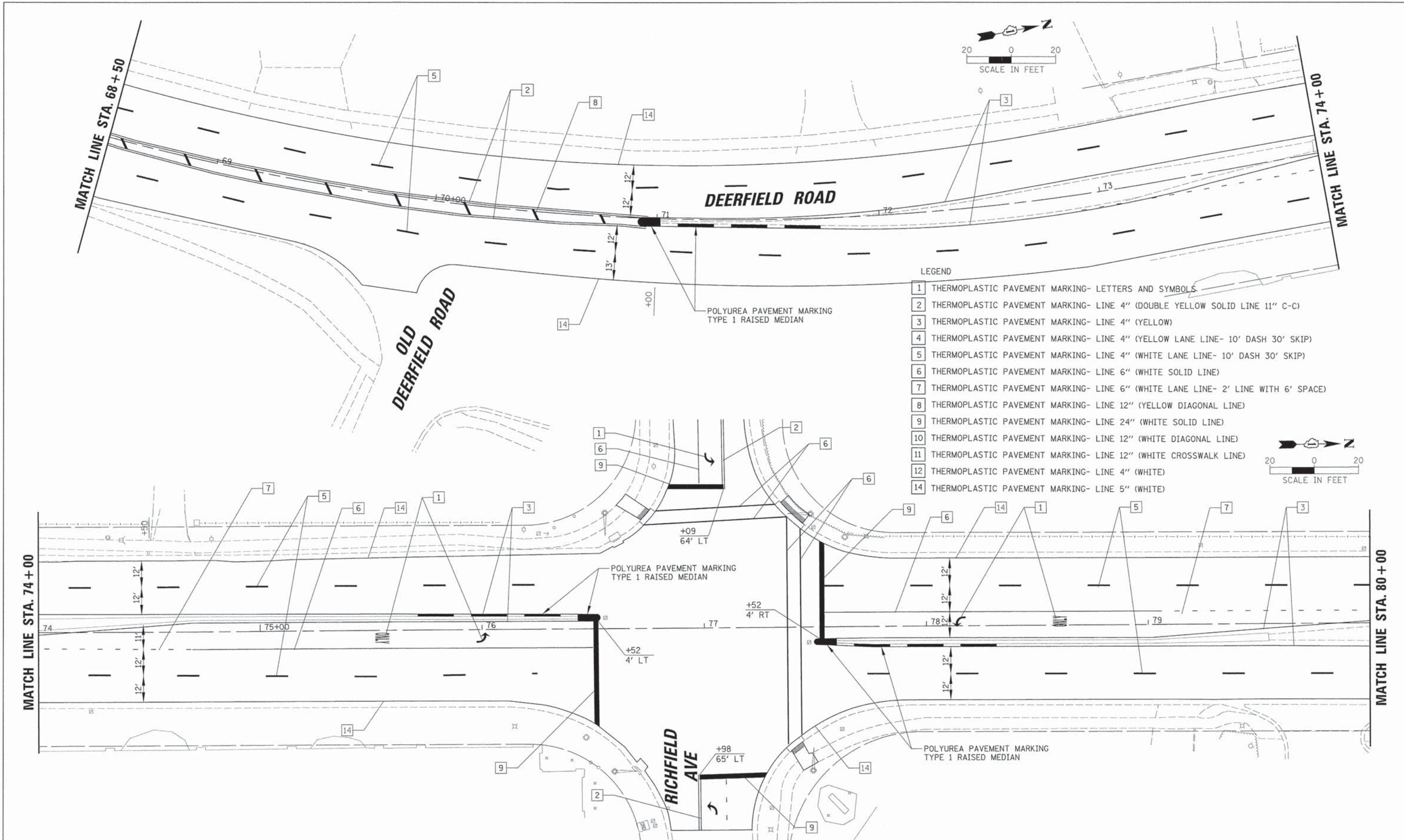
**PAVEMENT MARKING AND SIGNING PLAN  
DEERFIELD ROAD**

SCALE: 20 SHEET NO. 7 OF 11 SHEETS STA. 57+00 TO STA. 68+50

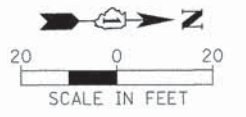
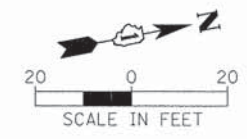
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	143
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	
DESCRIPTION	
1	
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14	

PROFILE	DATE
NO.	
BY	
DATE	
REVISIONS	
NO.	
BY	
DATE	
DESCRIPTION	
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14	



- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW)
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  - 12 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE)
  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)



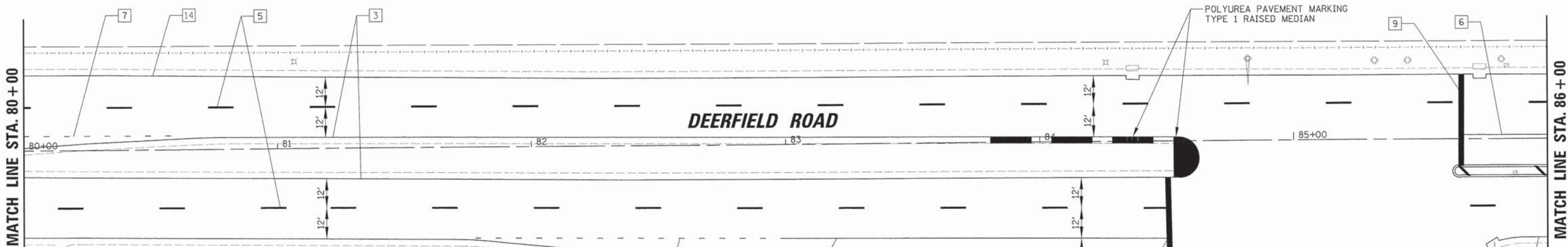
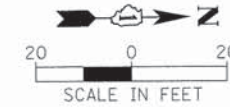
USER NAME	gastrock	DESIGNED	VMR	REVISED	-
PLLOT SCALE	20'	DRAWN	-	REVISED	-
PLLOT DATE	8/30/2015	CHECKED	SNS	REVISED	-
		DATE	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN  
DEERFIELD ROAD**

SCALE: 20 SHEET NO. 8 OF 11 SHEETS STA. 68+50 TO STA. 80+00

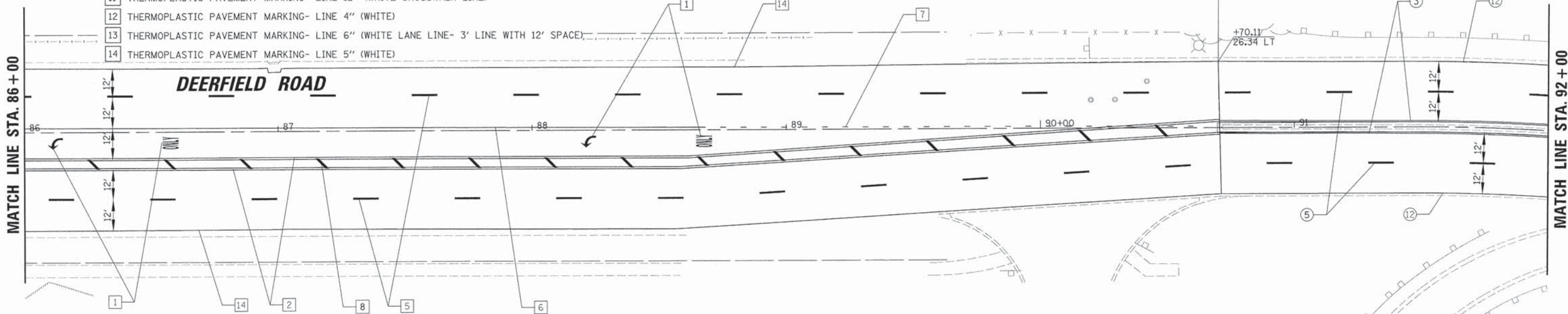
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	144
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW)
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  - 13 THERMOPLASTIC PAVEMENT MARKING- LINE 6" (WHITE LANE LINE- 3' LINE WITH 12' SPACE)
  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)

**LEGEND**  
 T.S. SUPPORT = TELESCOPING STEEL SUPPORT  
 M.P. TY. A = METAL POST TYPE A

- LEGEND**
- 3 POLYUREA PAVEMENT MARKING- LINE 4" (YELLOW)
  - 5 POLYUREA PAVEMENT MARKING- LINE 4" (WHITE LANE LINE- 10' DASH 30' SKIP)



**PLAN**

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

**PROFILE**

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

20'

USER NAME = js1trick	DESIGNED - VMR	REVISED -
PLOT SCALE = 20'	DRAWN -	REVISED -
PLOT DATE = 9/22/2015	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

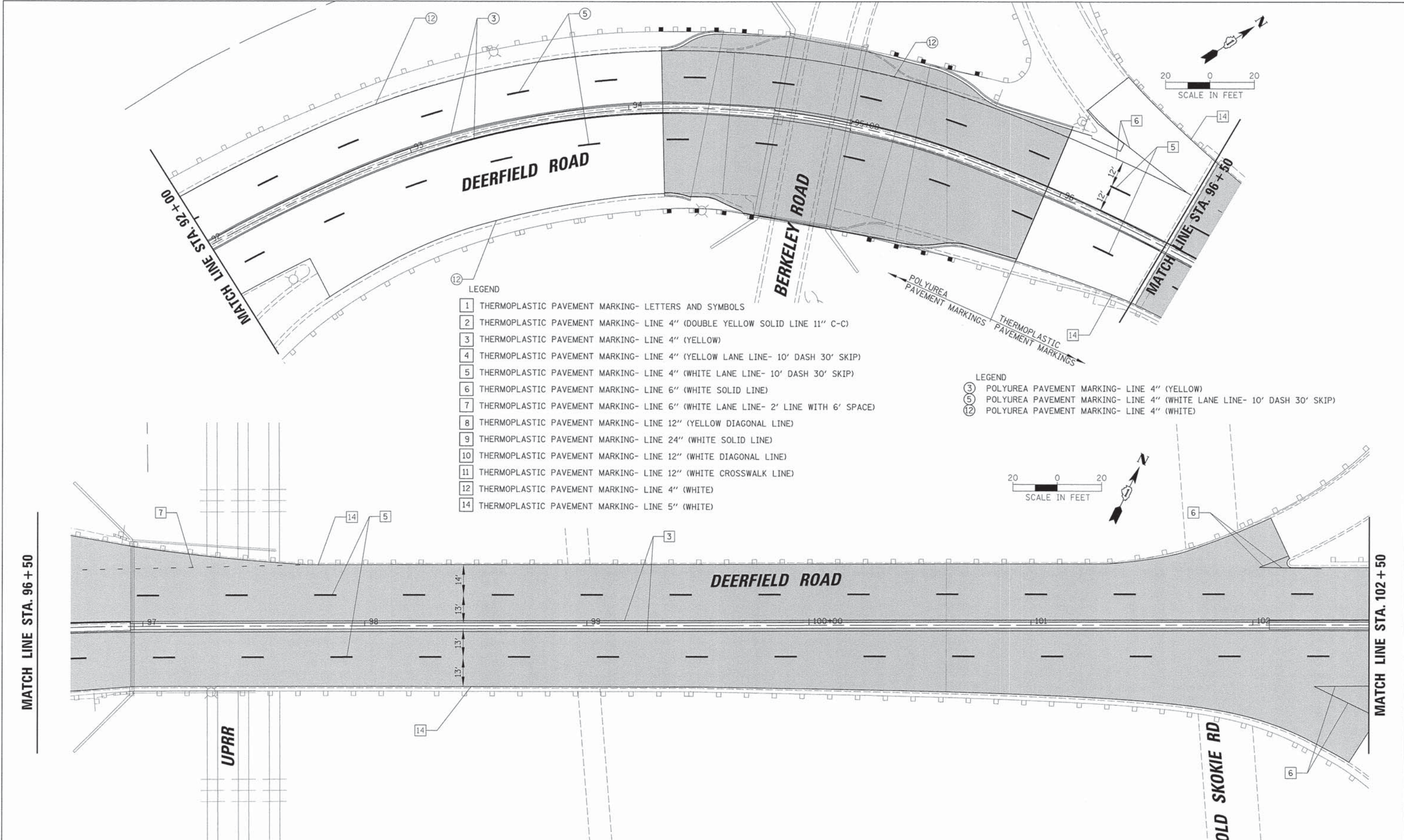
**PAVEMENT MARKING AND SIGNING PLAN  
 DEERFIELD ROAD**

SCALE: 20	SHEET NO. 9 OF 11 SHEETS	STA. 80+00 TO STA. 92+00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	145
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	DATE
	BY	
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO.	
	FILE NAME	

PROFILE	DESIGNED	DATE
	BY	
	PLOTTED	
	GRADES	
	CHECKED	
	NO.	
	FILE NAME	



20'

USER NAME = jstrick
DESIGNED - VMR
DRAWN -
CHECKED - SNS
DATE -
PLLOT SCALE = 20'
PLLOT DATE = 8/30/2015

DESIGNED - VMR	REVISED -
DRAWN -	REVISED -
CHECKED - SNS	REVISED -
DATE -	REVISED -

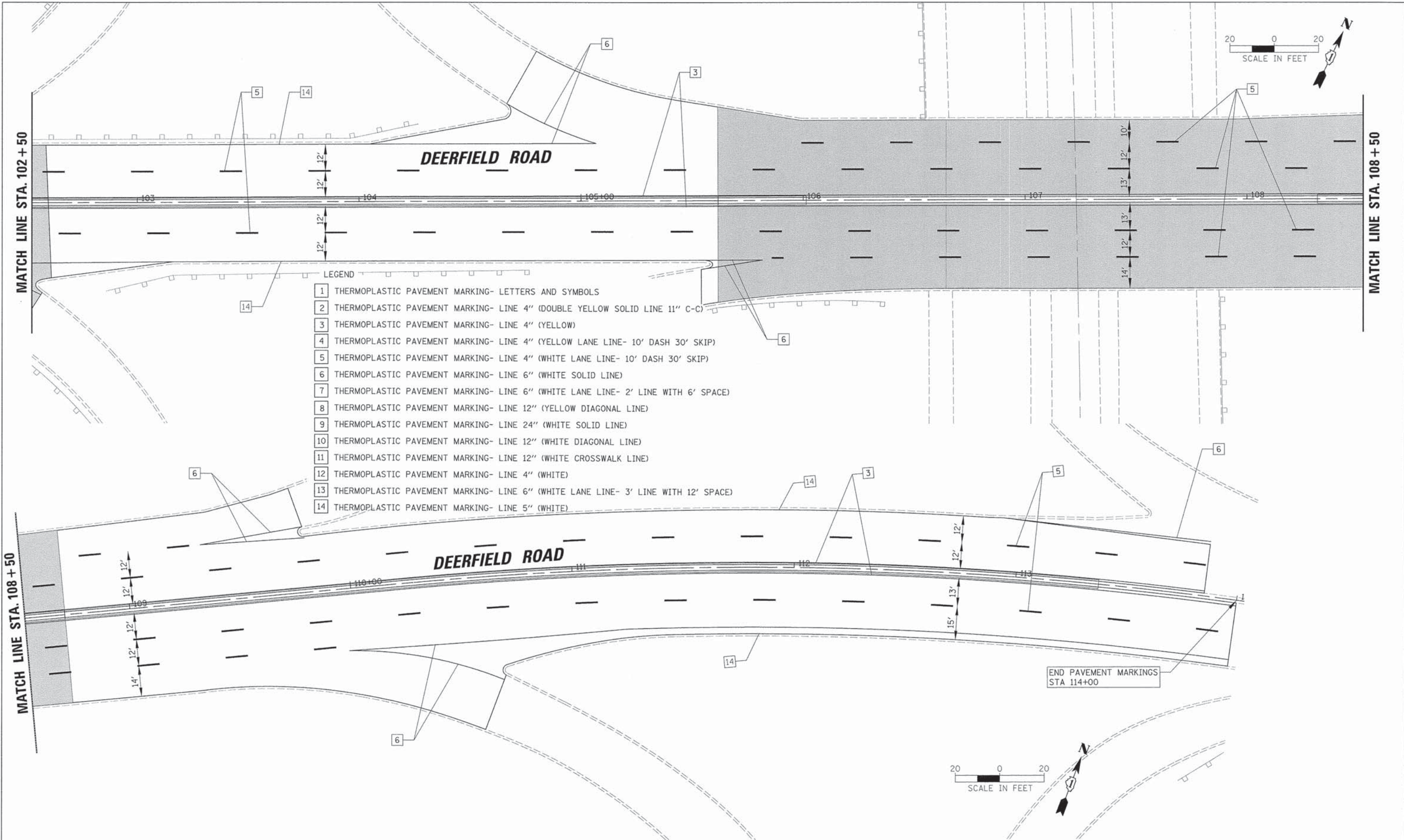
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING AND SIGNING PLAN DEERFIELD ROAD</b>			
SCALE: 20	SHEET NO. 10 OF 11 SHEETS	STA. 92+00	TO STA. 102+50

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 146
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	NO. _____	DATE _____
BY _____	DATE _____	
REVISIONS		
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19. _____		
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PROFILE	NO. _____	DATE _____
BY _____	DATE _____	
REVISIONS		
1. _____		
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20. _____		



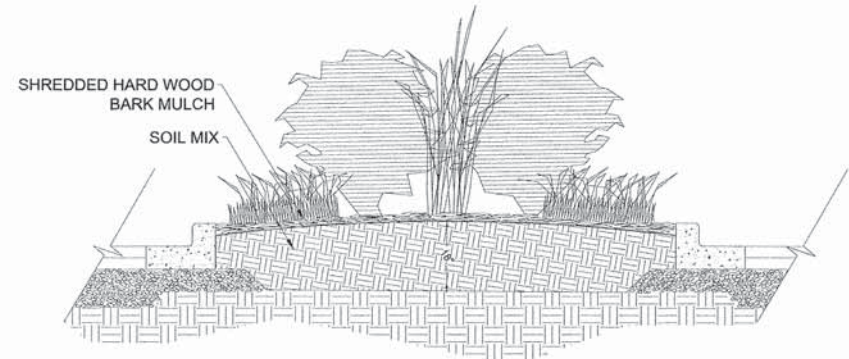
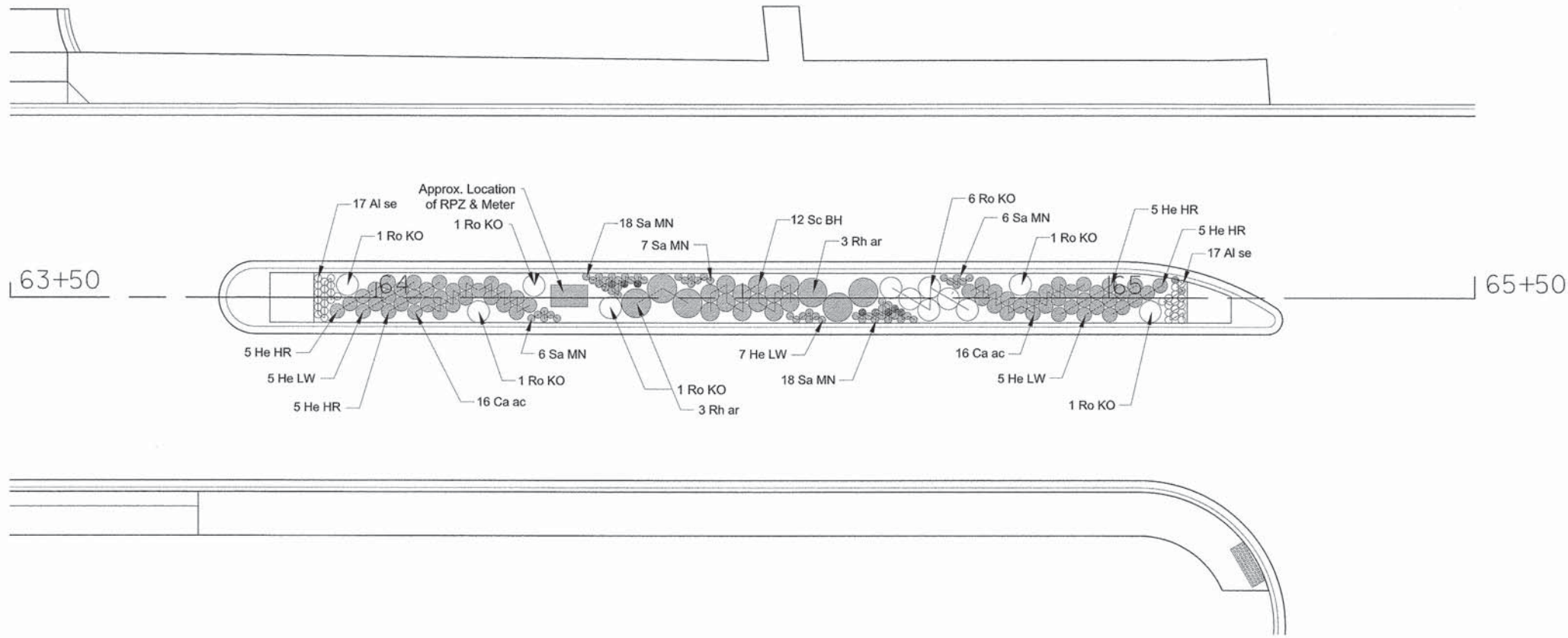
- LEGEND
- 1 THERMOPLASTIC PAVEMENT MARKING- LETTERS AND SYMBOLS
  - 2 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 3 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (YELLOW)
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  - 12 THERMOPLASTIC PAVEMENT MARKING- LINE 4" (WHITE)
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  - 14 THERMOPLASTIC PAVEMENT MARKING- LINE 5" (WHITE)

END PAVEMENT MARKINGS  
STA 114+00

USER NAME = jstrick	DESIGNED - VMR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND SIGNING PLAN DEERFIELD ROAD</b>			F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 147
PLOT SCALE = 20'	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 11 OF 11 SHEETS	STA. 102+50 TO STA. 114+00	CONTRACT NO. 63882 ILLINOIS FED. AID PROJECT				
PLOT DATE = 8/30/2015	CHECKED - SNS	REVISED -									
	DATE -	REVISED -									

PLAN	NO. _____	DATE _____
REVISIONS	PLOTTED _____	BY _____
GRADES CHECKED _____	ALIGNMENT CHECKED _____	
STRUCTURE NOTED _____	ASST. STATUS CHG. _____	
NOTE BOOK NO. _____	FILE NAME _____	

PROFILE	NO. _____	DATE _____
REVISIONS	PLOTTED _____	BY _____
GRADES CHECKED _____	ALIGNMENT CHECKED _____	
STRUCTURE NOTED _____	ASST. STATUS CHG. _____	
NOTE BOOK NO. _____	FILE NAME _____	



TYPICAL MEDAIN CROSS SECTION

PLANT LIST						
Pay Item	Sym.	Botanical Name	Common Name	Qty.	Size	Cond.
<b>Deciduous Shrubs</b>						
C2C05824	Rh ar	Rhus aromatica 'Grow-Low'	Grow-Low Sumac	6	#5	Cont.
C2C078G3	Ro KO	Rosa Double 'Knock Out'	Double Knock Out Rose	12	#3	Cont.
<b>Perennials / Grasses / Groundcovers</b>						
*	Al se	Allium senescens var. glaucum	Blue Twister Onion	34	#1	Cont.
*	Ca ac	Calamagrostis acutiflora 'Karl Foerster'	Feather Reed Grass	32	#1	Cont.
*	He HR	Hemerocallis 'Happy Returns'	Happy Returns Daylily	20	#1	Cont.
*	He LW	Hemerocallis 'Little Wine Cap'	Little Wine Cup Daylily	17	#1	Cont.
*	Sa MN	Salvia 'May Night'	May Night Salvia	55	#1	Cont.
*	Sc BH	Schizachyrium 'Blue Heaven'	Blue Heaven Little Bluestem	12	#1	Cont.

\* PAID FOR AS "PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT".

MEDIAN LANDSCAPING TO BE PLANTED IN 24" OF TOPSOIL (PAID FOR AS TOPSOIL FURNISH AND PLACE, SPECIAL) AND TOPPED WITH SHREDDED BARK MULCH 2". SHREDDED BARK MULCH IS INCLUDED IN THE COST OF TOPSOIL FURNISH AND PLACE, SPECIAL.

10'

USER NAME = jstirack	DESIGNED - VMR	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 18"	CHECKED - SNS	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MEDIAN LANDSCAPE PLAN  
DEERFIELD ROAD

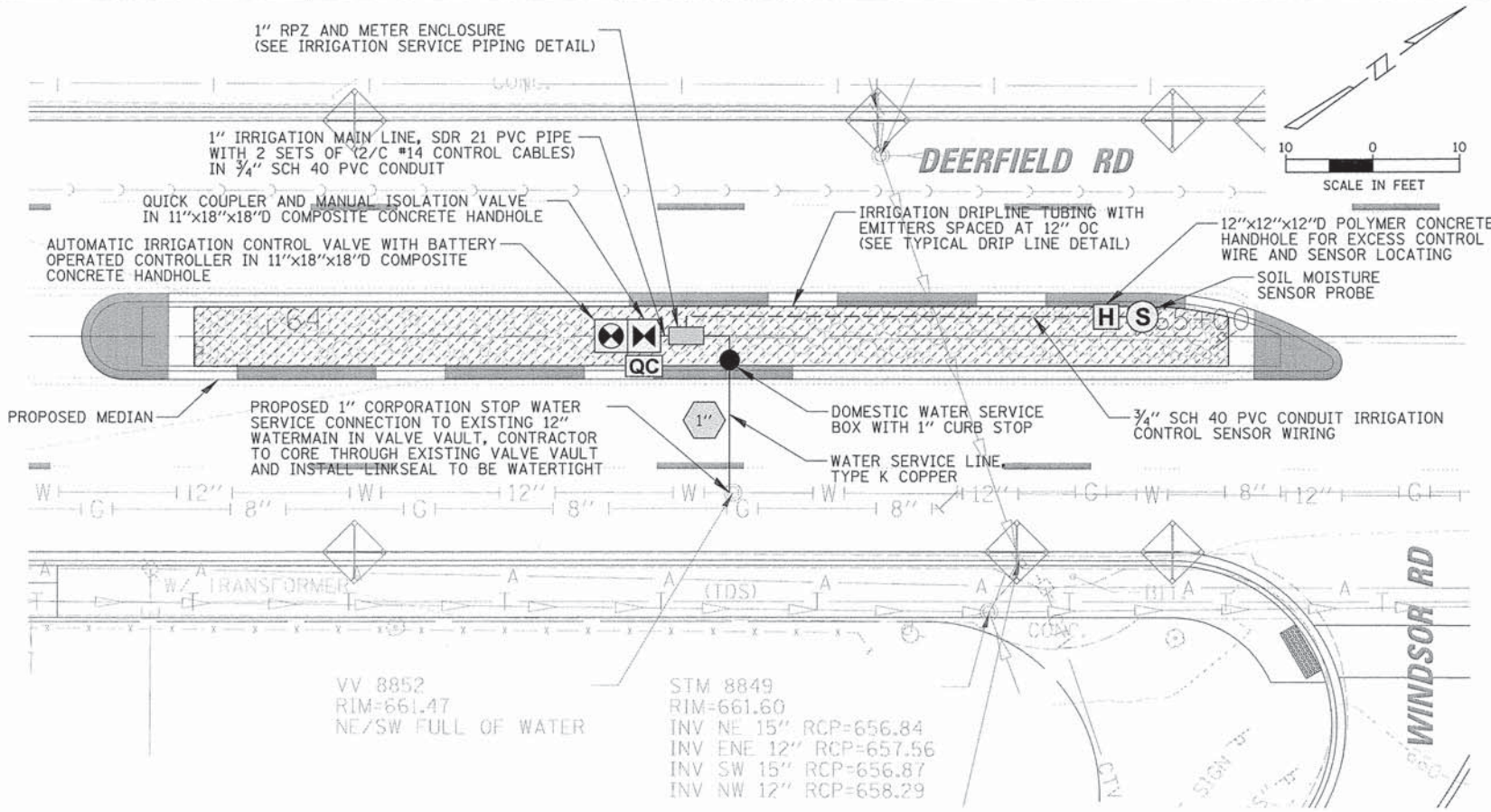
SCALE: 10 SHEET NO. 1 OF 1 SHEETS STA. 63+50 TO STA. 65+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	148
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

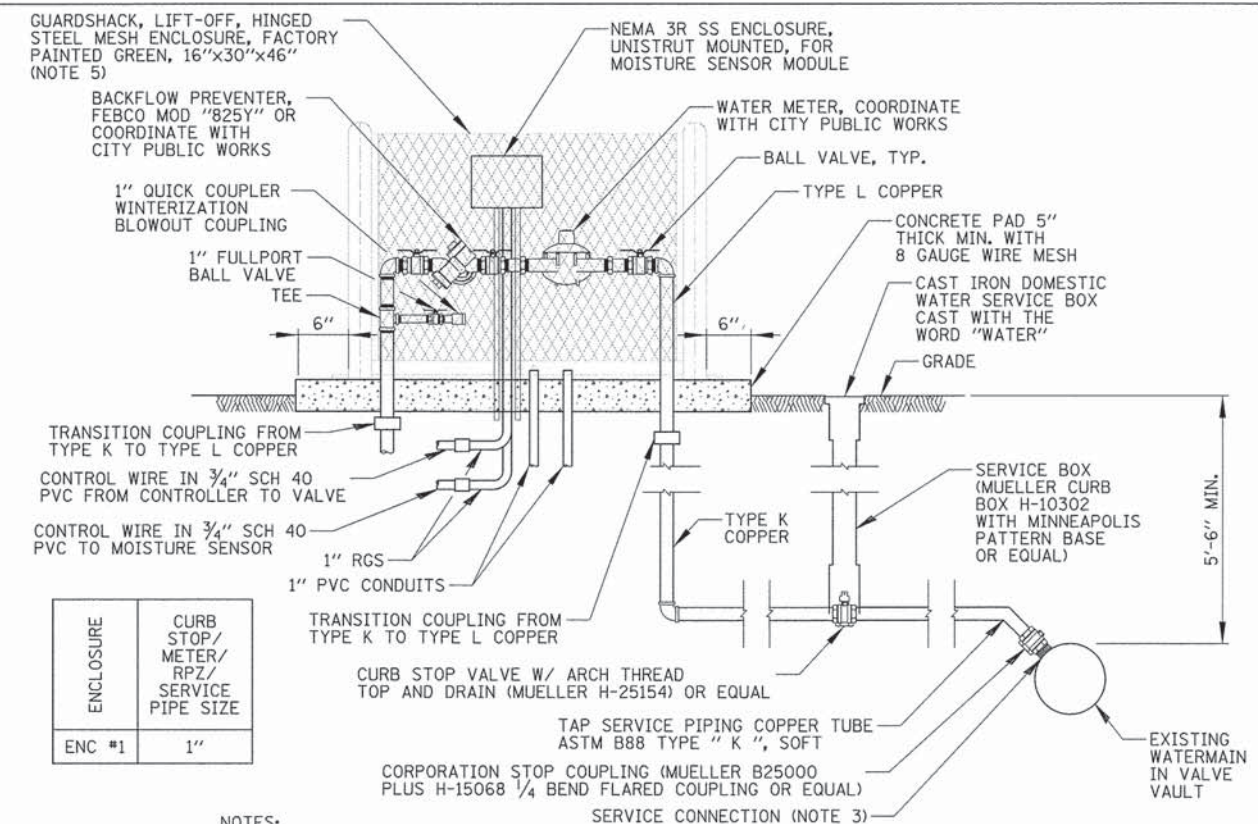


DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
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DESCRIPTION	
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BY	
REVISIONS	
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DESCRIPTION	
DATE	
BY	
NO.	
DESCRIPTION	

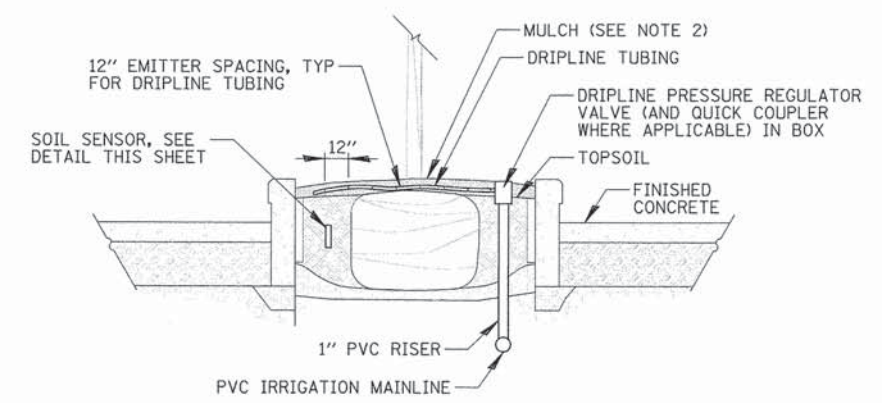


**MEDIAN IRRIGATION PLAN**  
SCALE: 1" = 10'



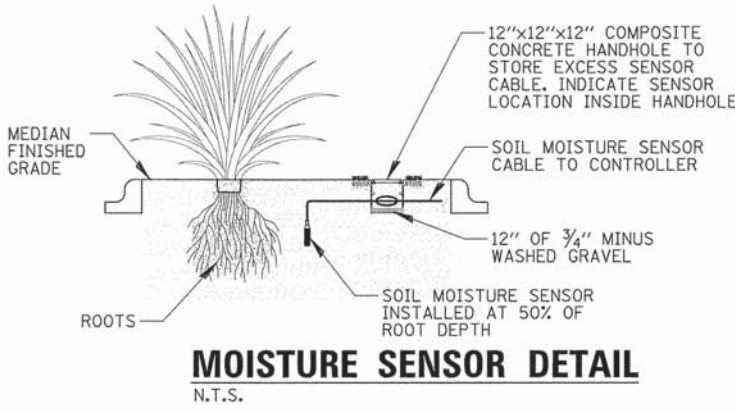
- NOTES:**
- EXACT LOCATION OF WATER SERVICE TO BE DETERMINED BY CONTRACTOR.
  - WATER SERVICE FITTINGS TO CONFORM TO CITY'S STANDARDS.
  - FOR D.I. WATERMANS, PROVIDE A DIRECT SERVICE CONNECTION. FOR TAPPING PVC AND HDPE WATERMANS PROVIDE A WIDE BAND BRASS SERVICE SADDLE (FORD BRASS SADDLE STYLE 202BS OR EQUAL).
  - CURB STOP/CURB VALVE SHALL BE PROVIDED WITH DRAIN TO DRAIN WATER SERVICE LINE DURING WINTER MONTHS.
  - ENCLOSURE DIMENSIONS SHOWN ARE APPROXIMATE. ENCLOSURE SHALL BE AS COMPACT AS POSSIBLE. CONTRACTOR TO COORDINATE.
  - A PLUMBING PERMIT FROM THE CITY OF HIGHLAND PARK IS REQUIRED. THE CONTRACTOR SHALL CALL 847-432-0808 TO INITIATE THE PERMIT PROCESS.
  - THE BACKFLOW PREVENTER MUST BE CERTIFIED BY THE CONTRACTOR.

**IRRIGATION SERVICE PIPING DETAIL**  
N.T.S.

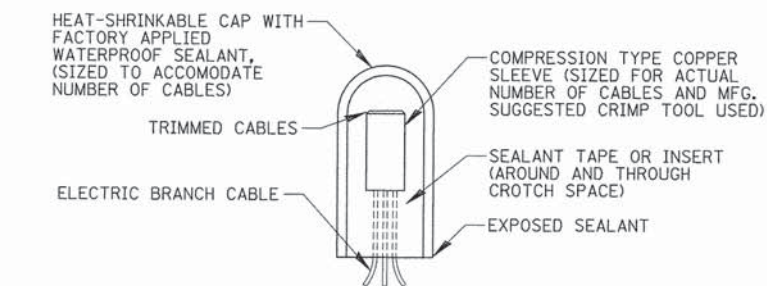


- NOTES:**
- MULCH TO BE PLACED ON TOP OF DRIPLINE.

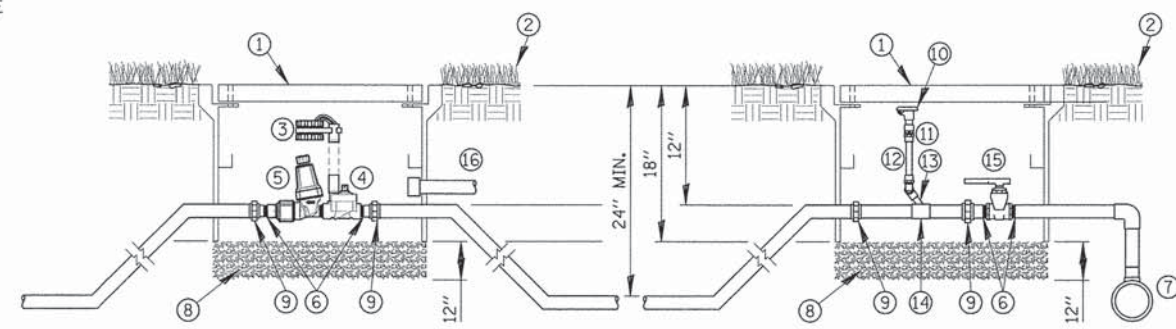
**MEDIAN IRRIGATION DETAIL**  
N.T.S.



**MOISTURE SENSOR DETAIL**  
N.T.S.



**WATERPROOF SPLICE**  
N.T.S.



**IRRIGATION CONTROL VALVE WITH QUICK COUPLER DETAIL**  
N.T.S.

USER NAME = jstrick	DESIGNED - KWB	REVISED -
PLOT SCALE = 10'	DRAWN - KWB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - JPC	REVISED -
	DATE -	REVISED -

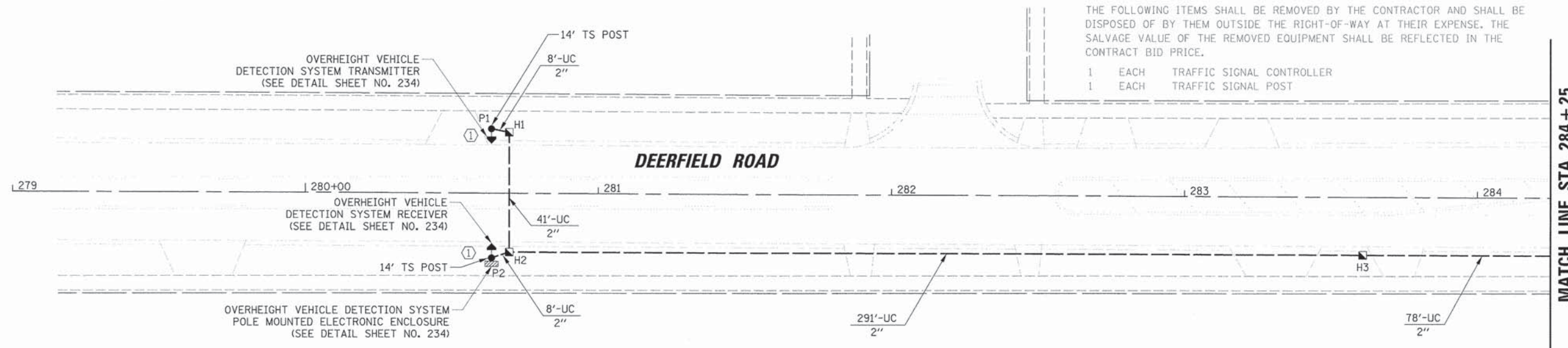
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

MEDIAN IRRIGATION PLAN AND DETAILS				
DEERFIELD ROAD				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 149
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	CONSTRUCTION CHECKED	
	ADD FILE NAME	
	NO.	

PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	



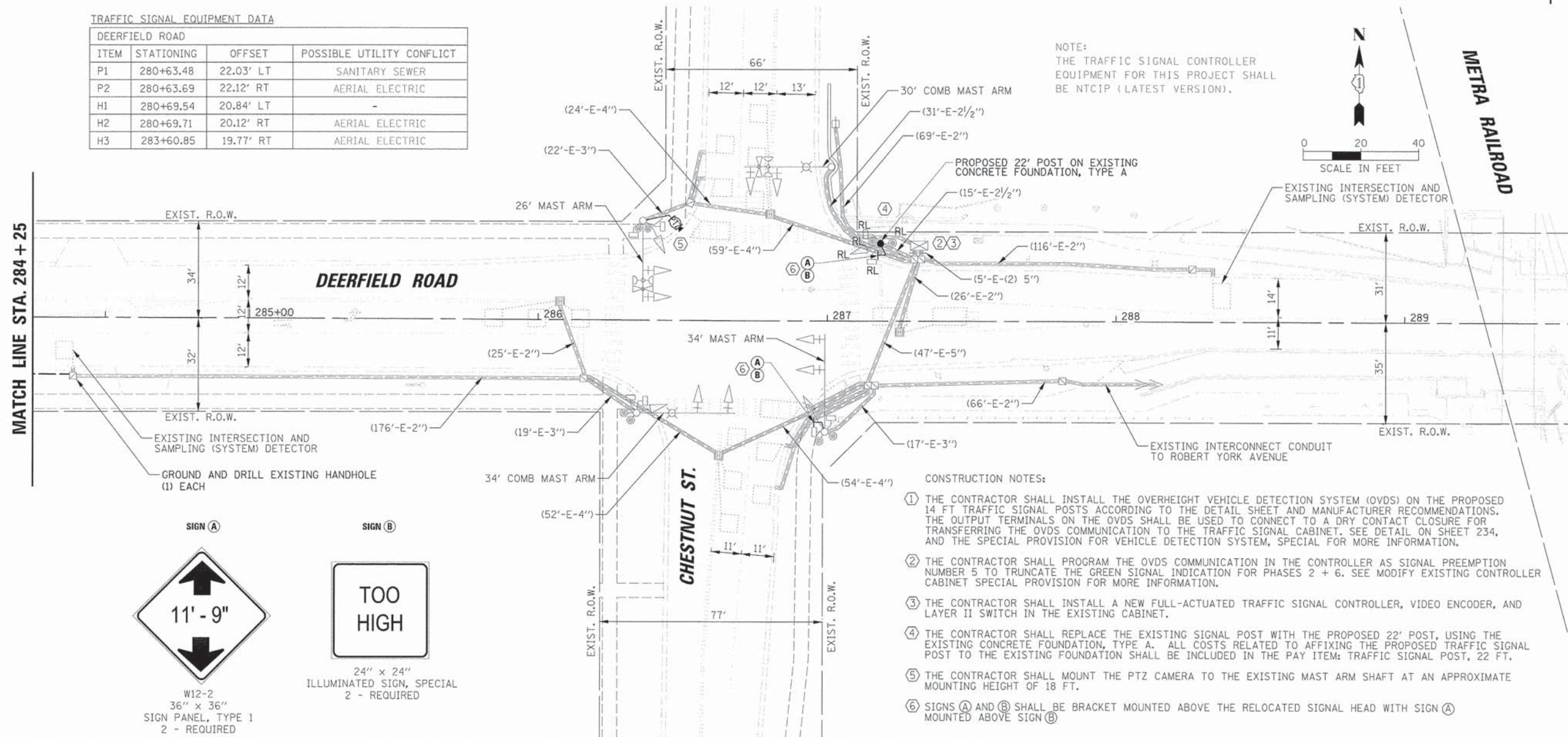
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	TRAFFIC SIGNAL CONTROLLER
1	EACH	TRAFFIC SIGNAL POST

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	280+63.48	22.03' LT	SANITARY SEWER
P2	280+63.69	22.12' RT	AERIAL ELECTRIC
H1	280+69.54	20.84' LT	-
H2	280+69.71	20.12' RT	AERIAL ELECTRIC
H3	283+60.85	19.77' RT	AERIAL ELECTRIC

MATCH LINE STA. 284 + 25



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



- CONSTRUCTION NOTES:
- THE CONTRACTOR SHALL INSTALL THE OVERHEIGHT VEHICLE DETECTION SYSTEM (OVDS) ON THE PROPOSED 14 FT TRAFFIC SIGNAL POSTS ACCORDING TO THE DETAIL SHEET AND MANUFACTURER RECOMMENDATIONS. THE OUTPUT TERMINALS ON THE OVDS SHALL BE USED TO CONNECT TO A DRY CONTACT CLOSURE FOR TRANSFERRING THE OVDS COMMUNICATION TO THE TRAFFIC SIGNAL CABINET. SEE DETAIL ON SHEET 234, AND THE SPECIAL PROVISION FOR VEHICLE DETECTION SYSTEM, SPECIAL FOR MORE INFORMATION.
  - THE CONTRACTOR SHALL PROGRAM THE OVDS COMMUNICATION IN THE CONTROLLER AS SIGNAL PREEMPTION NUMBER 5 TO TRUNCATE THE GREEN SIGNAL INDICATION FOR PHASES 2 + 6. SEE MODIFY EXISTING CONTROLLER CABINET SPECIAL PROVISION FOR MORE INFORMATION.
  - THE CONTRACTOR SHALL INSTALL A NEW FULL-ACTUATED TRAFFIC SIGNAL CONTROLLER, VIDEO ENCODER, AND LAYER II SWITCH IN THE EXISTING CABINET.
  - THE CONTRACTOR SHALL REPLACE THE EXISTING SIGNAL POST WITH THE PROPOSED 22' POST, USING THE EXISTING CONCRETE FOUNDATION, TYPE A. ALL COSTS RELATED TO AFFIXING THE PROPOSED TRAFFIC SIGNAL POST TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM: TRAFFIC SIGNAL POST, 22 FT.
  - THE CONTRACTOR SHALL MOUNT THE PTZ CAMERA TO THE EXISTING MAST ARM SHAFT AT AN APPROXIMATE MOUNTING HEIGHT OF 18 FT.
  - SIGNS (A) AND (B) SHALL BE BRACKET MOUNTED ABOVE THE RELOCATED SIGNAL HEAD WITH SIGN (A) MOUNTED ABOVE SIGN (B).

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 28'	CHECKED - GMZ	REVISED -
PLOT DATE = 8/31/2015	DATE -	REVISED -

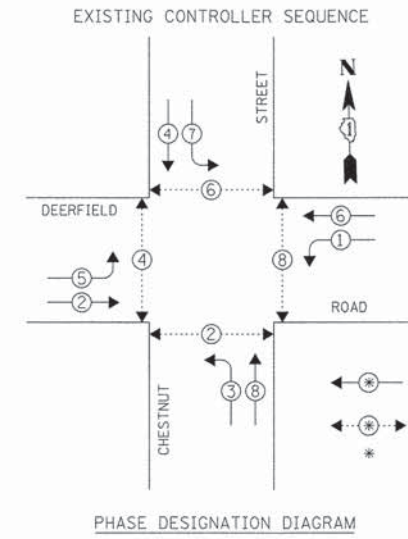
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

TRAFFIC SIGNAL MODIFICATION PLAN DEERFIELD ROAD AND CHESTNUT STREET				
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	150
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

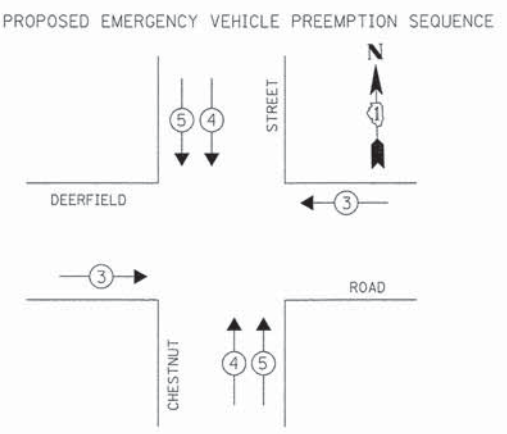
DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

DATE	
BY	
PROFILE	
NO.	



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).

LEGEND  
 \* DUAL ENTRY PHASE  
 \* PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE

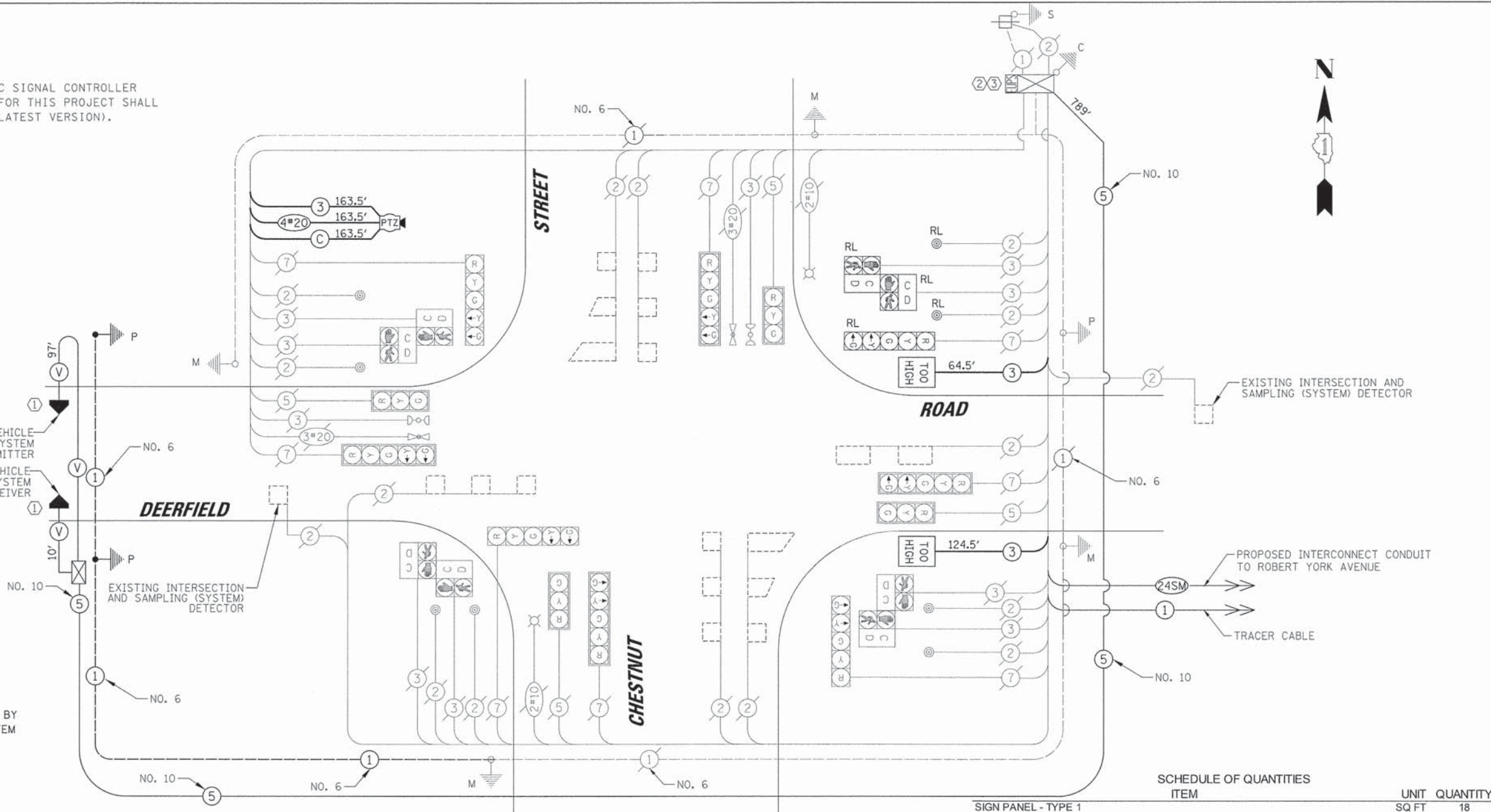


PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5*
MOVEMENT	←	↓	↑

\* ACTIVATED BY  
OVDS SYSTEM

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO. OF LAMPS	WATTAGE XINCAND. LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	10	0.50	60.0
(YELLOW)	12	19	0.10	22.8
(GREEN)	12	11	0.40	52.8
ARROW	16	9	0.10	14.4
PED. SIGNAL	8	9	1.00	72.0
CONTROLLER	1	100	1.00	100.0
LUMINAIRE	2	250	0.50	250.0
L.E.D. ST. NAME SIGN	-	64	0.50	-
VIDEO SYSTEM	-	150	1.00	-
BATTERY BACKUP	1	25	1.00	25.0
OVDS	1	120	1.00	120.0
ENERGY COSTS TO:				TOTAL = 717.0

**VILLAGE OF DEERFIELD**  
 850 WAUKEGAN ROAD  
 DEERFIELD, IL 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



**CABLE PLAN**

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL INSTALL THE OVERHEIGHT VEHICLE DETECTION SYSTEM (OVDS) ON THE PROPOSED 14 FT TRAFFIC SIGNAL POSTS ACCORDING TO THE DETAIL SHEET AND MANUFACTURER RECOMMENDATIONS. THE OUTPUT TERMINALS ON THE OVDS SHALL BE USED TO CONNECT TO A DRY CONTACT CLOSURE FOR TRANSFERRING THE OVDS COMMUNICATION TO THE TRAFFIC SIGNAL CABINET. SEE DETAIL ON SHEET 234, AND THE SPECIAL PROVISION FOR VEHICLE DETECTION SYSTEM, SPECIAL FOR MORE INFORMATION.
- THE CONTRACTOR SHALL PROGRAM THE OVDS COMMUNICATION IN THE CONTROLLER AS SIGNAL PREEMPTION NUMBER 5 TO TRUNCATE THE GREEN SIGNAL INDICATION FOR PHASES 2 + 6. SEE MODIFY EXISTING CONTROLLER CABINET SPECIAL PROVISION FOR MORE INFORMATION.
- THE CONTRACTOR SHALL INSTALL A NEW FULL-ACTUATED TRAFFIC SIGNAL CONTROLLER, VIDEO ENCODER, AND LAYER II SWITCH IN THE EXISTING CABINET.
- THE CONTRACTOR SHALL REPLACE THE EXISTING SIGNAL POST WITH THE PROPOSED 22' POST, USING THE EXISTING CONCRETE FOUNDATION, TYPE A. ALL COSTS RELATED TO AFFIXING THE PROPOSED TRAFFIC SIGNAL POST TO THE EXISTING FOUNDATION SHALL BE INCLUDED IN THE PAY ITEM: TRAFFIC SIGNAL POST, 22 FT.
- THE CONTRACTOR SHALL MOUNT THE PTZ CAMERA TO THE EXISTING MAST ARM SHAFT AT AN APPROXIMATE MOUNTING HEIGHT OF 18 FT.
- SIGNS (A) AND (B) SHALL BE BRACKET MOUNTED ABOVE THE RELOCATED SIGNAL HEAD WITH SIGN (A) MOUNTED ABOVE SIGN (B)

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	18
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	426
HANDHOLE	EACH	3
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	353
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	637
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
GROUND EXISTING HANDHOLE	EACH	1
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	164
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4C	FOOT	164
ILLUMINATED SIGN, SPECIAL	EACH	2
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
TRAFFIC SIGNAL POST, 14 FOOT, (SPECIAL)	EACH	2
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 10 5C	FOOT	789
TRAFFIC SIGNAL POST, 22 FT.	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DEERFIELD ROAD AND CHESTNUT STREET

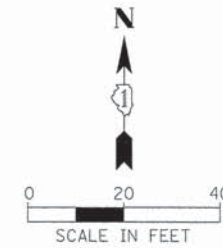
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257 SECTION 11-00092-00-PV COUNTY LAKE TOTAL SHEETS 424 SHEET NO. 151 CONTRACT NO. 63882 [ILLINOIS] FED. AID PROJECT

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

MATCH LINE STA. A-A



COILABLE NON-METALLIC CONDUIT, 2" ATTACHED TO POLE = 20 FT

MATCH LINE STA. A-A

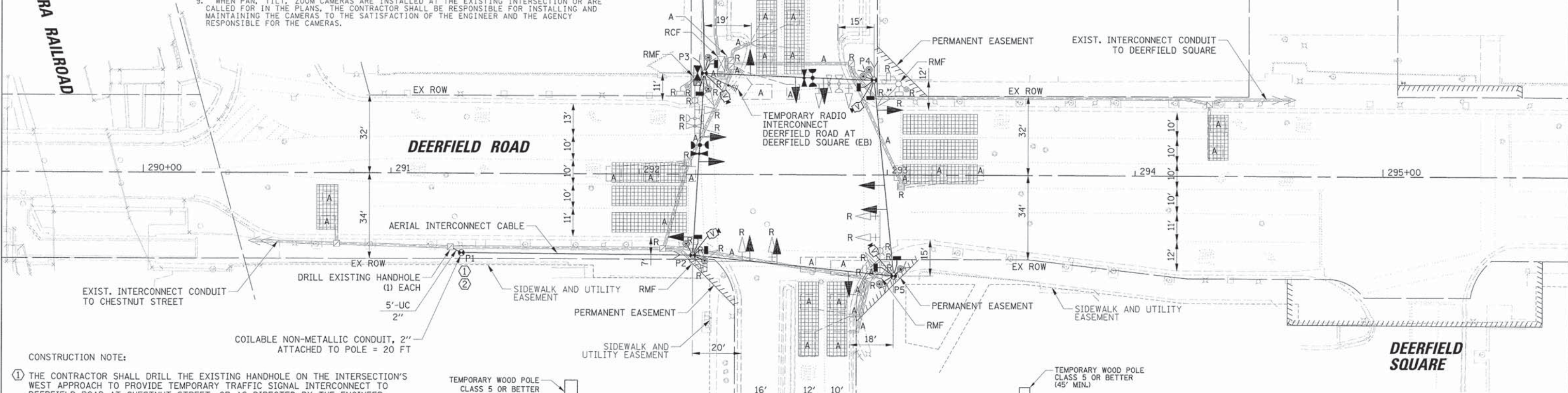
NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

DATE	BY	REVISIONS

DATE	BY	REVISIONS

METRA RAILROAD

ROBERT YORK AVE.

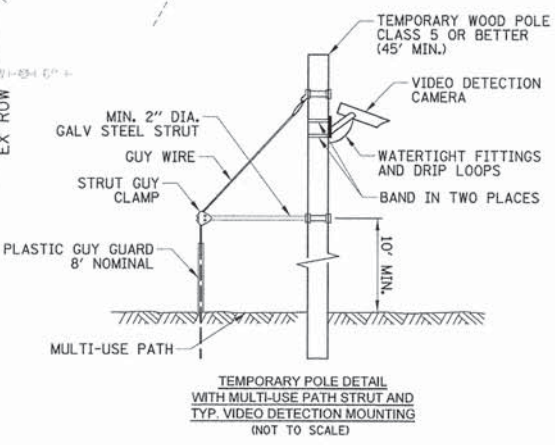
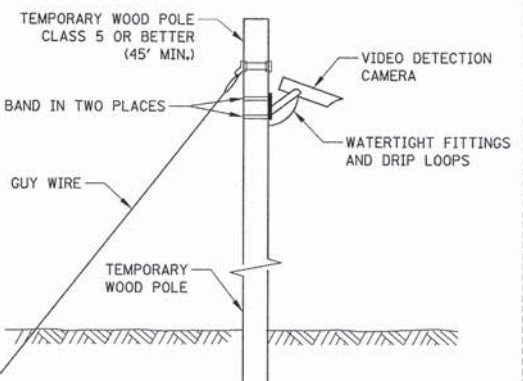


CONSTRUCTION NOTE:

- THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE ON THE INTERSECTION'S WEST APPROACH TO PROVIDE TEMPORARY TRAFFIC SIGNAL INTERCONNECT TO DEERFIELD ROAD AT CHESTNUT STREET, OR AS DIRECTED BY THE ENGINEER.
- TEMPORARY FIBER OPTIC CABLE AND TEMPORARY TRACER CABLE SHALL BE SPLICED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMAN LIKE MANNER TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL STAGE THE WORK SO THE DURATION OF THE INTERRUPTION TO THE COMMUNICATIONS IS MINIMAL. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	291+28.52	32.13' RT	-
P2	292+21.75	32.62' RT	-
P3	292+26.14	40.91' LT	STORM SEWER
P4	292+94.50	38.40' LT	STORM SEWER
P5	293+02.74	40.73' RT	-



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
8	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
2	EACH	STEEL MAST ARM AND POLE ASSEMBLIES
2	EACH	STEEL COMBINATION MAST ARM AND POLE ASSEMBLIES
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	ELECTRIC SERVICE INSTALLATION

USER NAME = jstrack	DESIGNED = EAJ	REVISED =
PLOT SCALE = 20'	DRAWN = FPB	REVISED =
PLOT DATE = 8/30/2015	CHECKED = GMZ	REVISED =
	DATE =	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

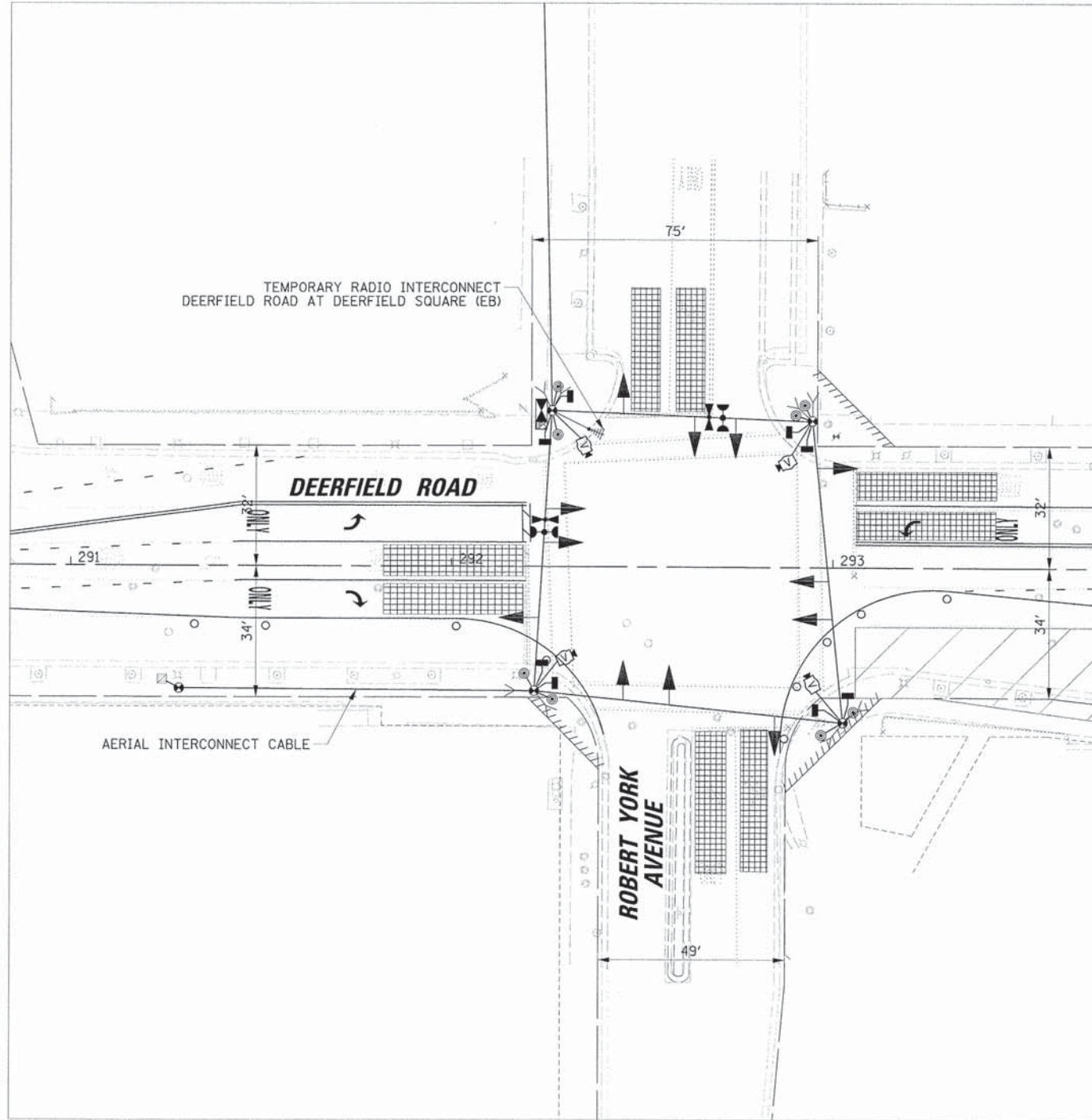
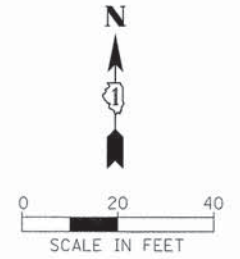
REMOVAL AND TEMPORARY TRAFFIC SIGNAL  
INSTALLATION PLAN  
DEERFIELD ROAD AT ROBERT YORK AVENUE

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 152
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

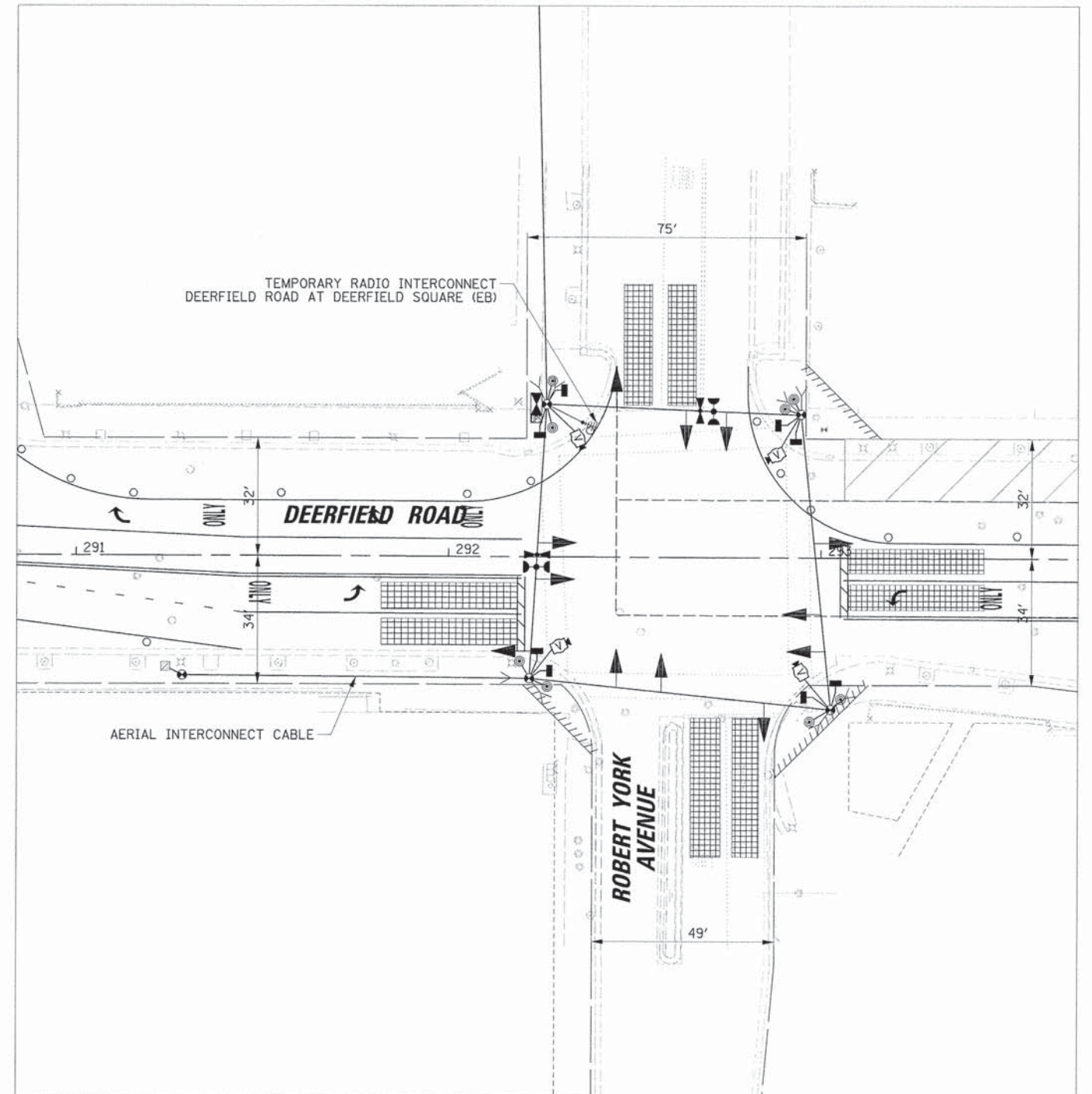
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA. 4+00

PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
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DATE	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	



STAGE 1



STAGE 2

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 AND STAGE 2  
TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM  
DEERFIELD ROAD AND DEERFIELD SQUARE

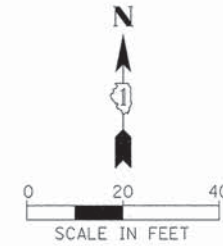
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 153
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL. AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

MATCH LINE STA. A-A

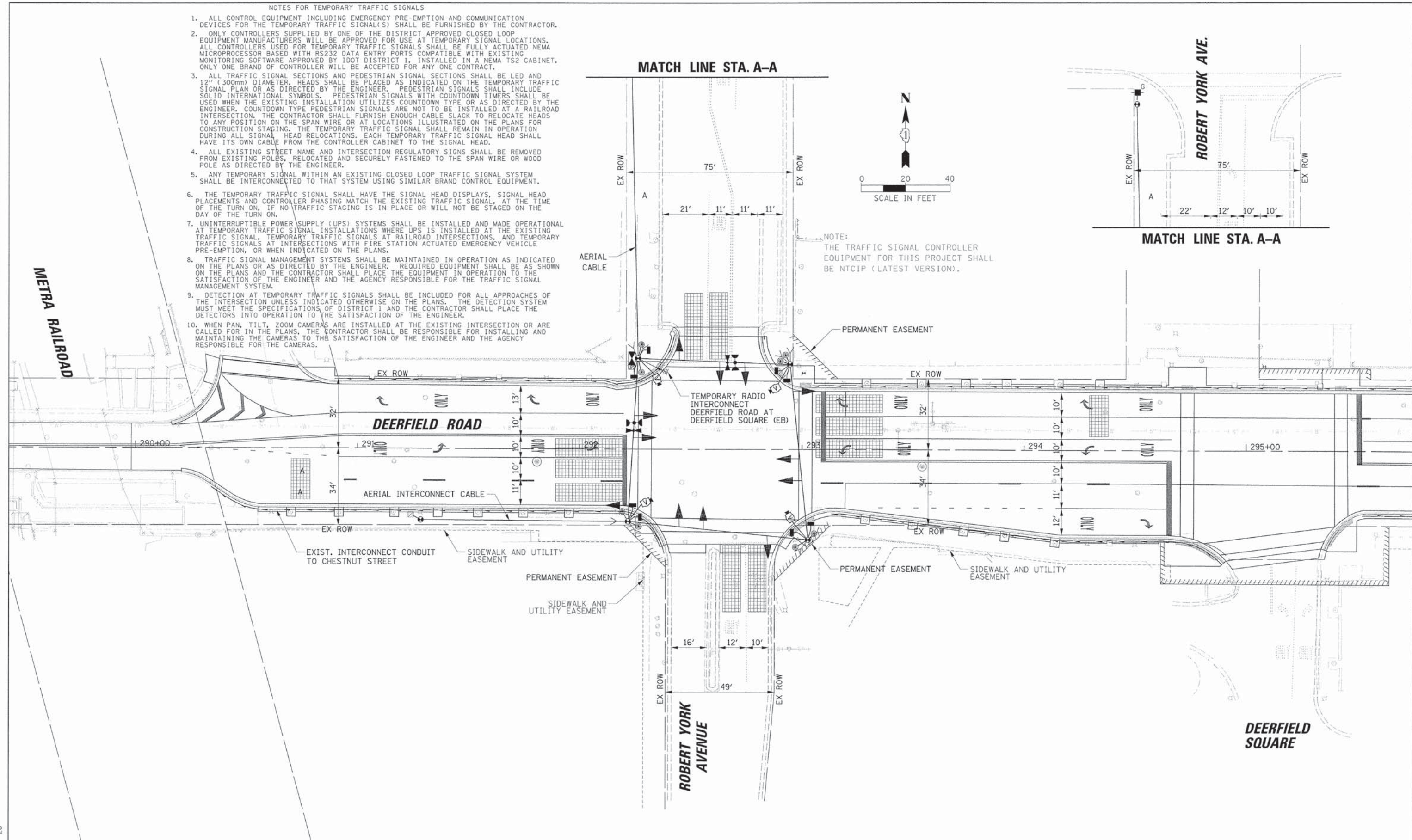


MATCH LINE STA. A-A

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

PLAN	DESIGNED	BY	DATE
	NOTED		
	CHECKED		
	DATE		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	DATE		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

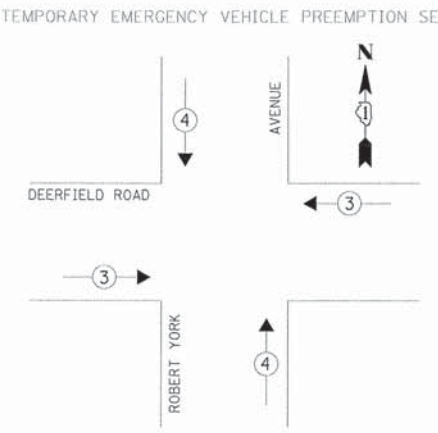
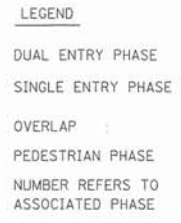
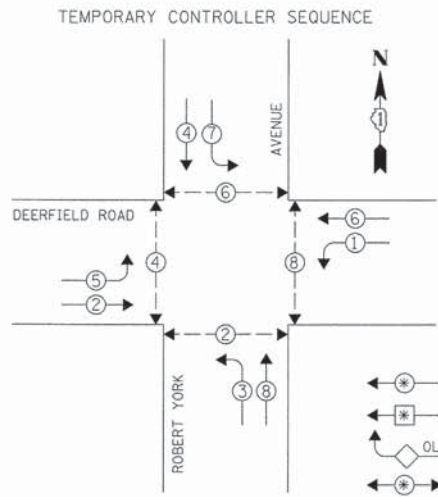
TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM - FINAL STAGE  
DEERFIELD ROAD AT ROBERT YORK AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	154
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA. 4+00

PLAN	REVISIONS	DATE
NO.	BY	
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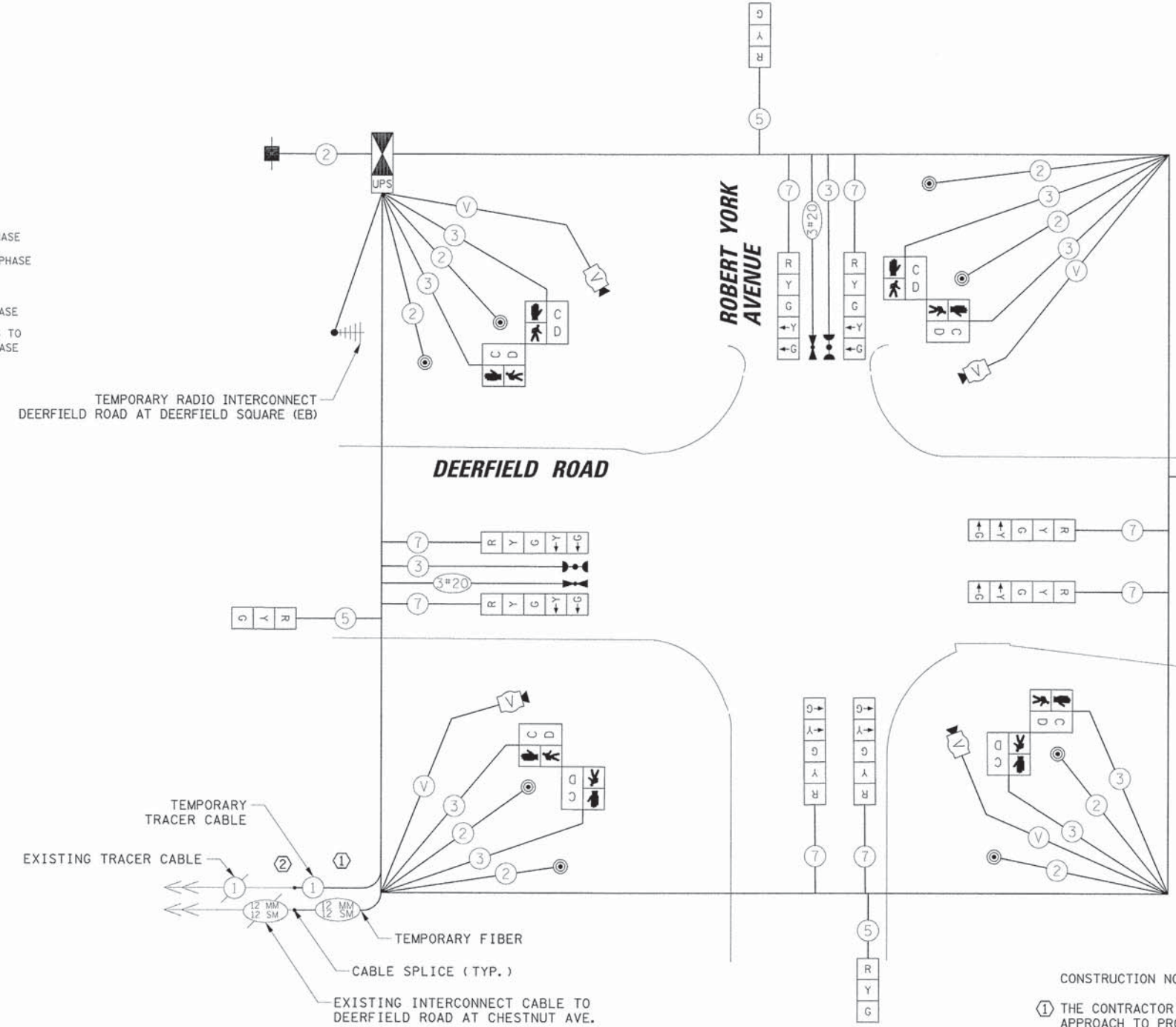
PROFILE	REVISIONS	DATE
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20		



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		10	0.50	60.0
(YELLOW)	12		19	0.10	22.8
(GREEN)	12		11	0.40	52.8
ARROW	16		9	0.10	14.4
PED. SIGNAL	8		9	1.00	72.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	-		250	0.50	-
L.E.D. ST. NAME SIGN	-		64	0.50	-
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER	-		-	0.50	-
ENERGY COSTS TO:					TOTAL = 497.0

THE VILLAGE OF DEERFIELD  
 850 WAUKEGAN ROAD  
 DEERFIELD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



- CONSTRUCTION NOTE:
- THE CONTRACTOR SHALL DRILL THE EXISTING HANDHOLE ON THE INTERSECTION'S WEST APPROACH TO PROVIDE TEMPORARY TRAFFIC SIGNAL INTERCONNECT TO DEERFIELD ROAD AT CHESTNUT STREET, OR AS DIRECTED BY THE ENGINEER.
  - TEMPORARY FIBER OPTIC CABLE AND TEMPORARY TRACER CABLE SHALL BE SPICED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMAN LIKE MANNER, OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL STAGE THE WORK SO THE DURATION OF THE INTERRUPTION TO THE COMMUNICATIONS IS MINIMAL. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**TEMPORARY CABLE PLAN**  
**MOT STAGES EXISTING, 1, 2, AND FINAL**

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 DEERFIELD ROAD AND ROBERT YORK AVENUE  
 SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

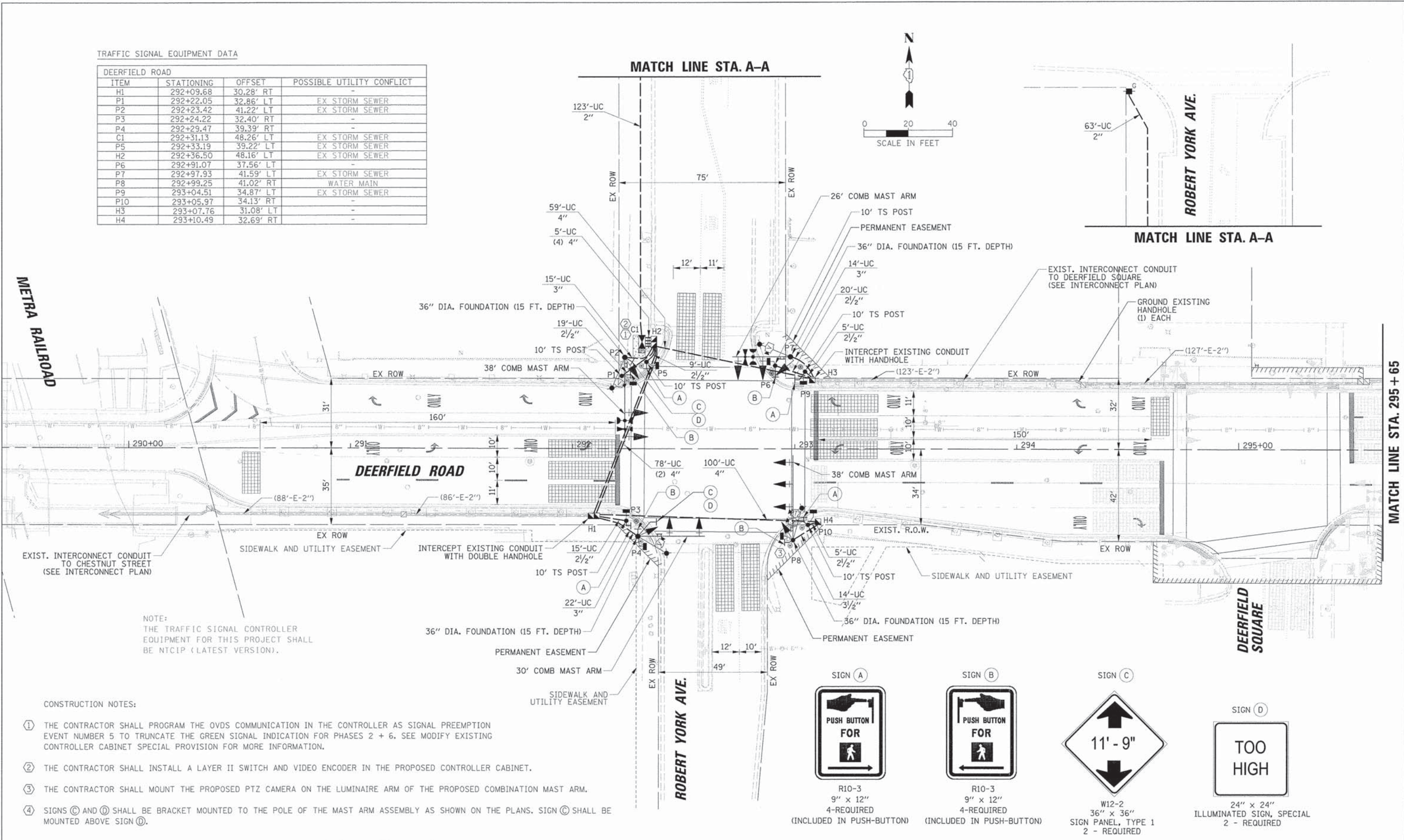
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	155
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
H1	292+09.68	30.28' RT	-
P1	292+22.05	32.86' LT	EX STORM SEWER
P2	292+23.42	41.22' LT	EX STORM SEWER
P3	292+24.22	32.40' RT	-
P4	292+29.47	39.39' RT	-
C1	292+31.13	48.26' LT	EX STORM SEWER
P5	292+33.19	39.22' LT	EX STORM SEWER
H2	292+36.50	48.16' LT	EX STORM SEWER
P6	292+91.07	37.56' LT	-
P7	292+97.93	41.59' LT	EX STORM SEWER
P8	292+99.25	41.02' RT	WATER MAIN
P9	293+04.51	34.87' LT	EX STORM SEWER
P10	293+05.97	34.13' RT	-
H3	293+07.76	31.08' LT	-
H4	293+10.49	32.69' RT	-

DATE	BY	REVISIONS
		1. PLOTTED
		2. ALIGNED
		3. CHECKED
		4. ADD FILE NAME

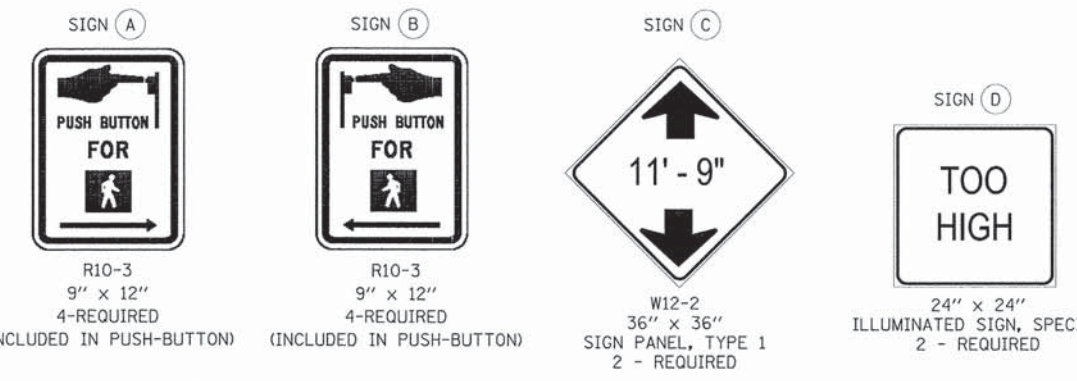
DATE	BY	REVISIONS
		1. PLOTTED
		2. GRADES CHECKED
		3. STRUCTURE NOTED
		4. NOTED



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL PROGRAM THE OVDS COMMUNICATION IN THE CONTROLLER AS SIGNAL PREEMPTION EVENT NUMBER 5 TO TRUNCATE THE GREEN SIGNAL INDICATION FOR PHASES 2 + 6. SEE MODIFY EXISTING CONTROLLER CABINET SPECIAL PROVISION FOR MORE INFORMATION.
- THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.
- SIGNS (C) AND (D) SHALL BE BRACKET MOUNTED TO THE POLE OF THE MAST ARM ASSEMBLY AS SHOWN ON THE PLANS. SIGN (C) SHALL BE MOUNTED ABOVE SIGN (D).



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND ROBERT YORK AVENUE  
SHEET 1 OF 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	156
				CONTRACT NO. 63882
[ILLINOIS] FED. AID PROJECT				

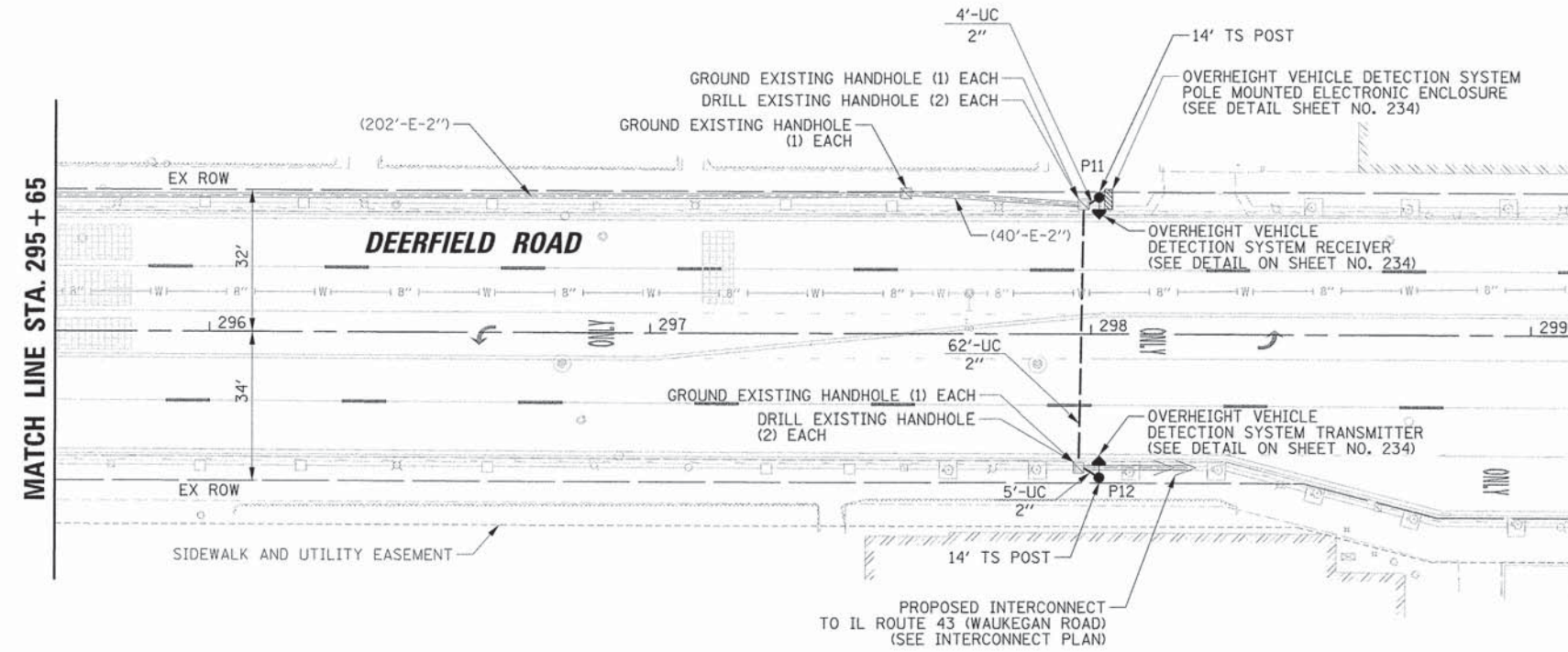
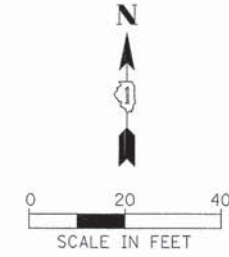


PLAN	REVISIONS	DATE
	NOTED	
	ALIGNED	
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	BY FILE NAME	
	NO.	

PROFILE	REVISIONS	DATE
	GRADES CHECKED	
	BY	
	CHECKED	
	CHECKED	
	BY FILE NAME	
	NO.	

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P11	298+01.76	31.09' LT	ROADWAY UNDERDRAIN
P12	298+01.91	32.47' RT	ROADWAY UNDERDRAIN



CONSTRUCTION NOTE:

- ⑤ THE CONTRACTOR SHALL INSTALL THE OVERHEIGHT VEHICLE DETECTION SYSTEM (OVDS) ON THE PROPOSED 14 FT TRAFFIC SIGNAL POSTS ACCORDING TO THE DETAIL SHEET, SPECIAL PROVISIONS, AND MANUFACTURER RECOMMENDATIONS. THE OUTPUT TERMINALS ON THE OVDS SHALL BE USED TO CONNECT TO A DRY CONTACT CLOSURE FOR TRANSFERRING THE OVDS COMMUNICATION TO THE TRAFFIC SIGNAL CABINET.

20'

USER NAME = jps1r1ck	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLLOT SCALE = 20'	CHECKED - GMZ	REVISED -
PLLOT DATE = 8/31/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND ROBERT YORK AVENUE  
SHEET 2 OF 2

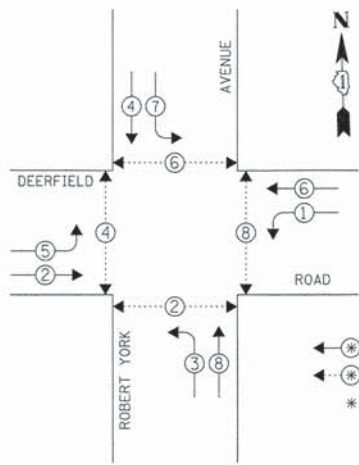
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	157
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	

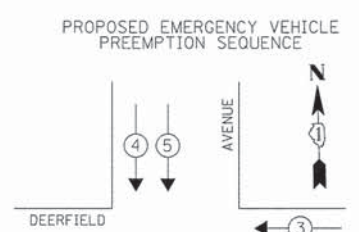
DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. _____	

**PROPOSED CONTROLLER SEQUENCE**

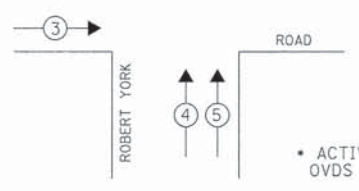


**LEGEND**  
 ←\*→ DUAL ENTRY PHASE  
 ←\*→ PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE

**PHASE DESIGNATION DIAGRAM**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4	5*
MOVEMENT	←	↑	↑

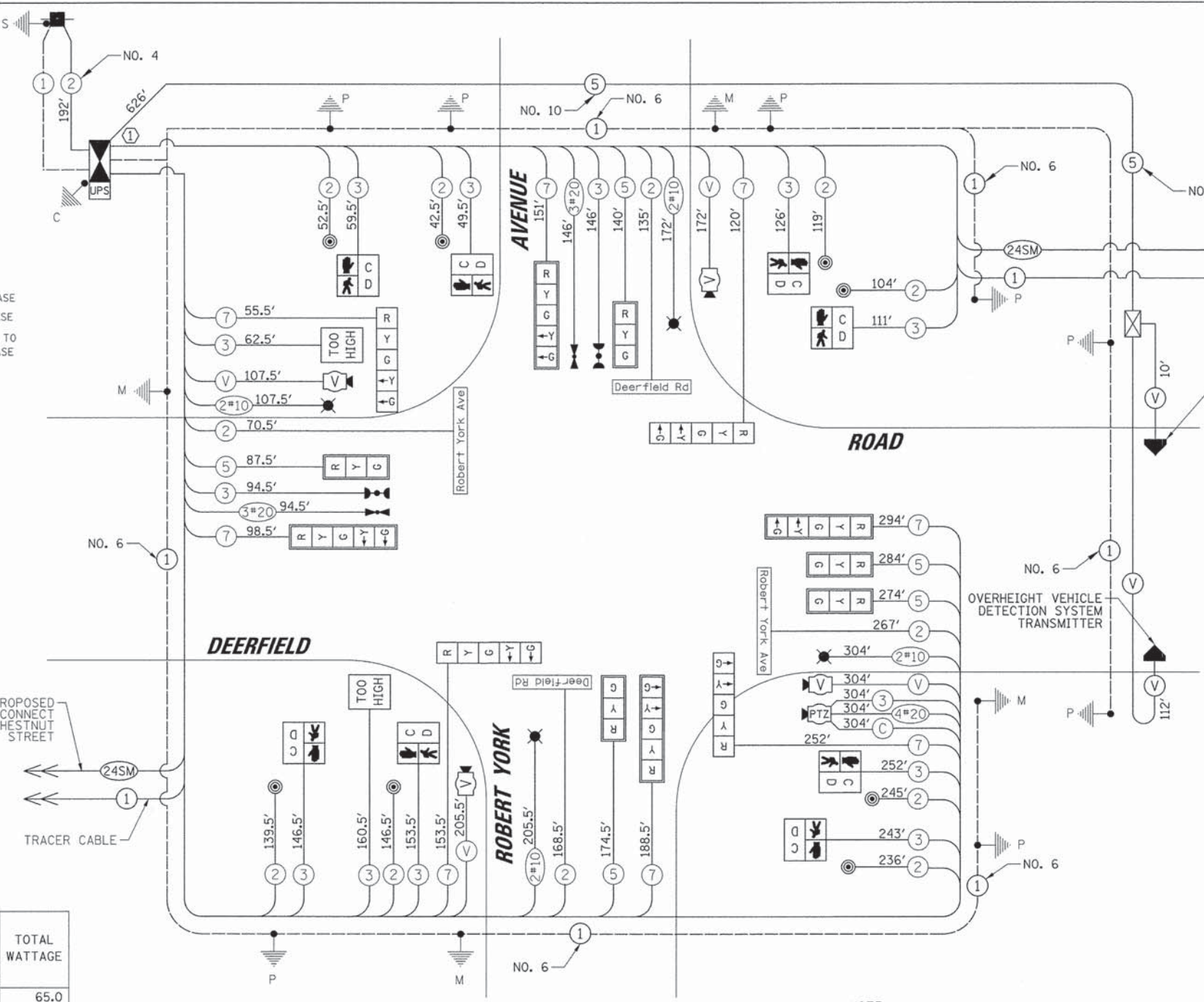
\* ACTIVATED BY OVDS SYSTEM

**L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13		10	0.50	65.0
(YELLOW)	13		19	0.10	24.7
(GREEN)	13		11	0.40	57.2
ARROW	16		9	0.10	14.4
PED. SIGNAL	8		9	1.00	72.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	4		250	0.50	500.0
L.E.D. ST. NAME SIGN	4		64	0.50	128.0
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
OVDS	1		120	1.00	120.0
<b>ENERGY COSTS TO:</b>					<b>TOTAL = 1256.3</b>

**VILLAGE OF DEERFIELD**

850 WAUKEGAN ROAD  
 DEERFIELD, IL 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



**CABLE PLAN**

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL PROGRAM THE OVDS COMMUNICATION IN THE CONTROLLER AS SIGNAL PREEMPTION EVENT NUMBER 5 TO TRUNCATE THE GREEN SIGNAL INDICATION FOR PHASES 2 + 6. SEE MODIFY EXISTING CONTROLLER CABINET SPECIAL PROVISION FOR MORE INFORMATION.
- THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.
- SIGNS (C) AND (D) SHALL BE BRACKET MOUNTED TO THE POLE OF THE MAST ARM ASSEMBLY AS SHOWN ON THE PLANS. SIGN (C) SHALL BE MOUNTED ABOVE SIGN (D).

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	18
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	248
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	64
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	51
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	14
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	335
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1578
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1726
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1909
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	960
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1313
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C	FOOT	192
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1363
CONCRETE FOUNDATION, TYPE A	FOOT	32
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	241
GROUND EXISTING HANDHOLE	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	304
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	304
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
ILLUMINATED SIGN, SPECIAL	EACH	2
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	6
TRAFFIC SIGNAL POST, 14 FOOT, (SPECIAL)	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
VEHICLE DETECTION SYSTEM, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 10 5C	FOOT	631

USER NAME = jpsitrsk
DESIGNED - EAJ
DRAWN - FPB
CHECKED - GMZ
DATE - 8/30/2015

REVISED -
REVISED -
REVISED -
REVISED -

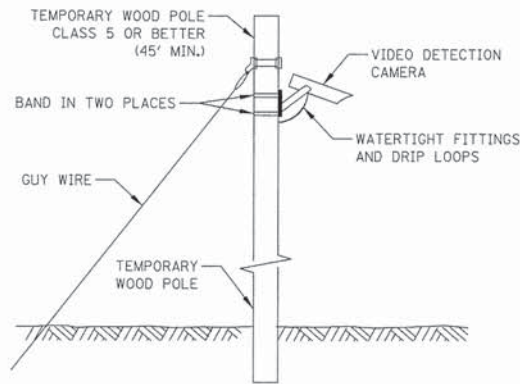
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE DEERFIELD ROAD AND ROBERT YORK AVENUE**

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 158
SCALE: N.T.S.			CONTRACT NO. 63882	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
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DESCRIPTION	



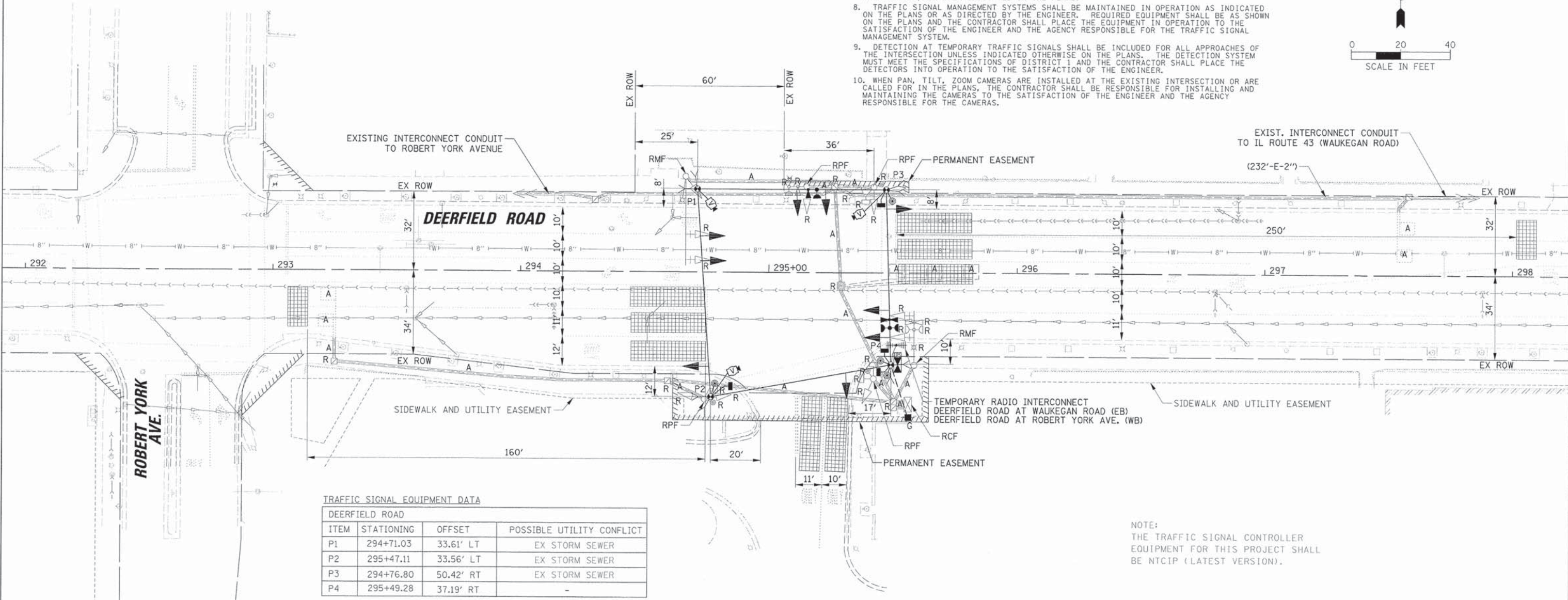
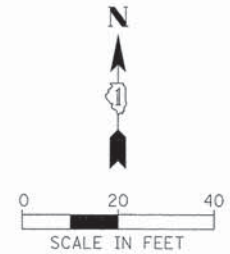
TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
5	EACH	SIGNAL HEAD, 1-FACE, 3-SECTION
2	EACH	SIGNAL HEAD, 1-FACE, 5-SECTION
2	EACH	SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
2	EACH	STEEL COMBINATION MAST ARM AND POLE ASSEMBLIES
4	EACH	TRAFFIC SIGNAL POSTS
2	EACH	PEDESTRIAN SIGNAL HEAD, 1-FACE
1	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE
3	EACH	PEDESTRIAN PUSHBUTTON
1	EACH	ELECTRIC SERVICE INSTALL

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1; INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



TRAFFIC SIGNAL EQUIPMENT DATA			
DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	294+71.03	33.61' LT	EX STORM SEWER
P2	295+47.11	33.56' LT	EX STORM SEWER
P3	294+76.80	50.42' RT	EX STORM SEWER
P4	295+49.28	37.19' RT	-

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

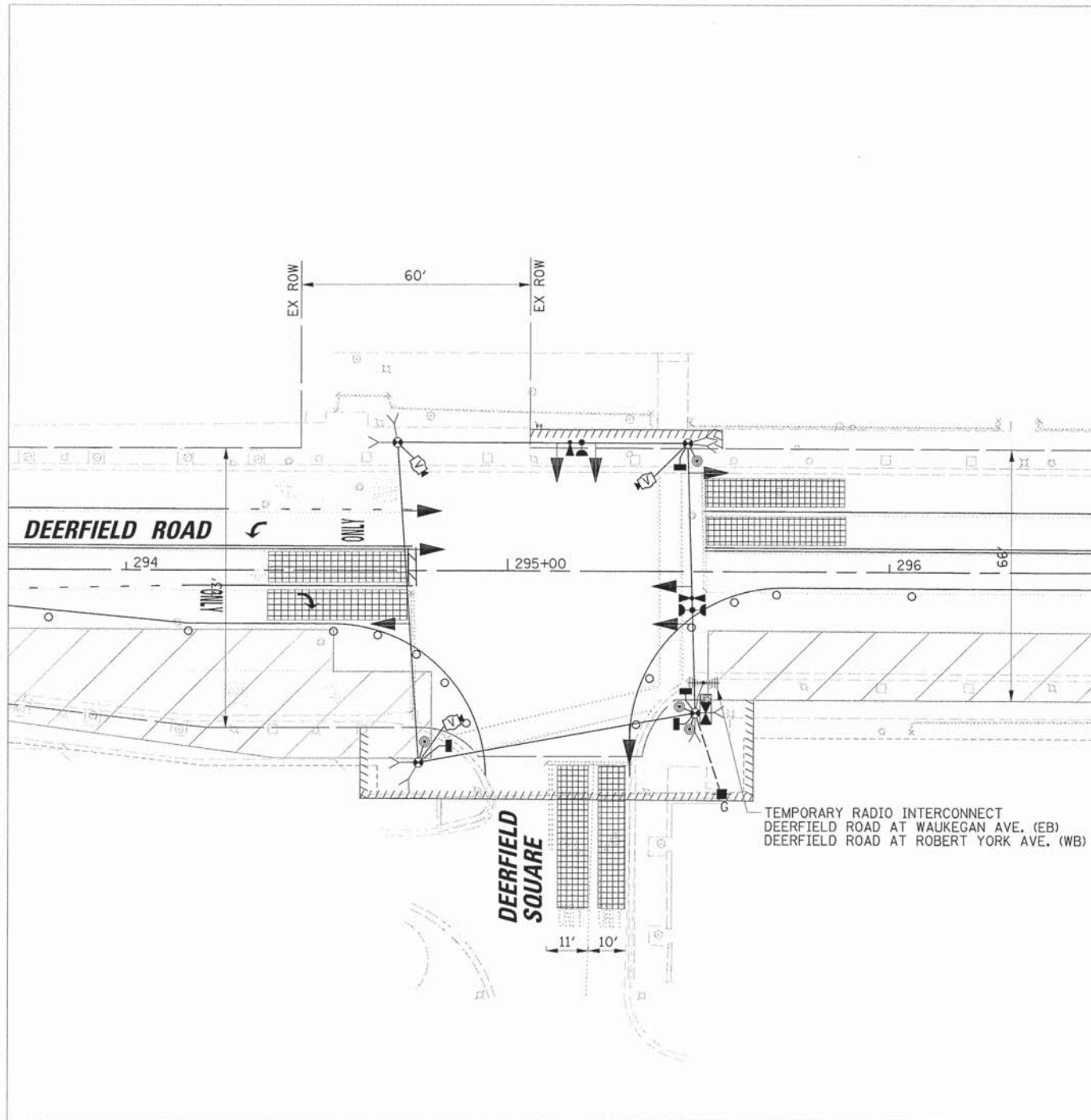
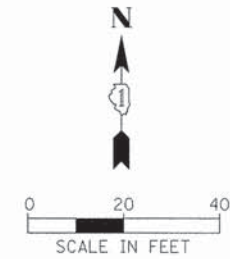
REMOVAL AND TEMPORARY TRAFFIC SIGNAL  
INSTALLATION PLAN  
DEERFIELD ROAD AND DEERFIELD SQUARE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	159
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

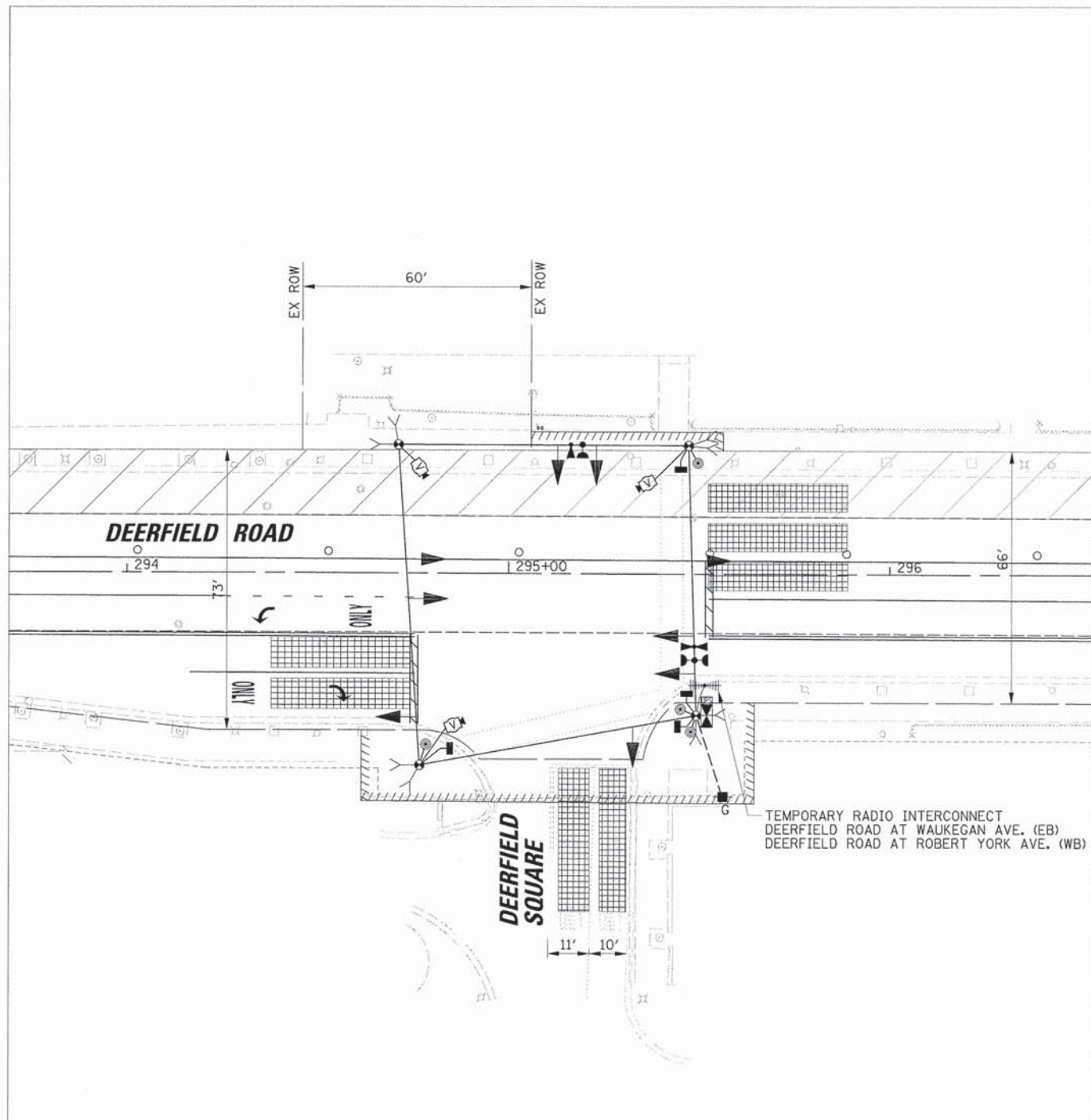
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

PLAN	DATE
NO.	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

PROFILE	DATE
NO.	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	



STAGE 1



STAGE 2

USER NAME = jsitrick	DESIGNED - EAJ	REVISED -
PLLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLLOT DATE = 9/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

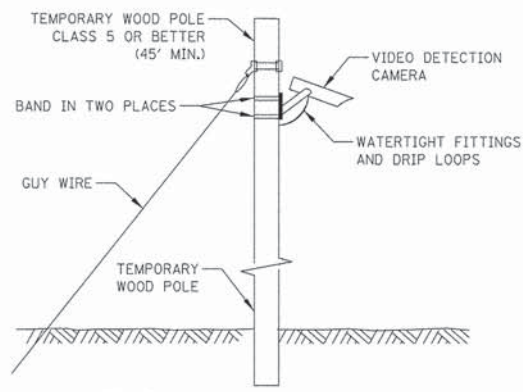
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 AND STAGE 2 TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM DEERFIELD ROAD AND DEERFIELD SQUARE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

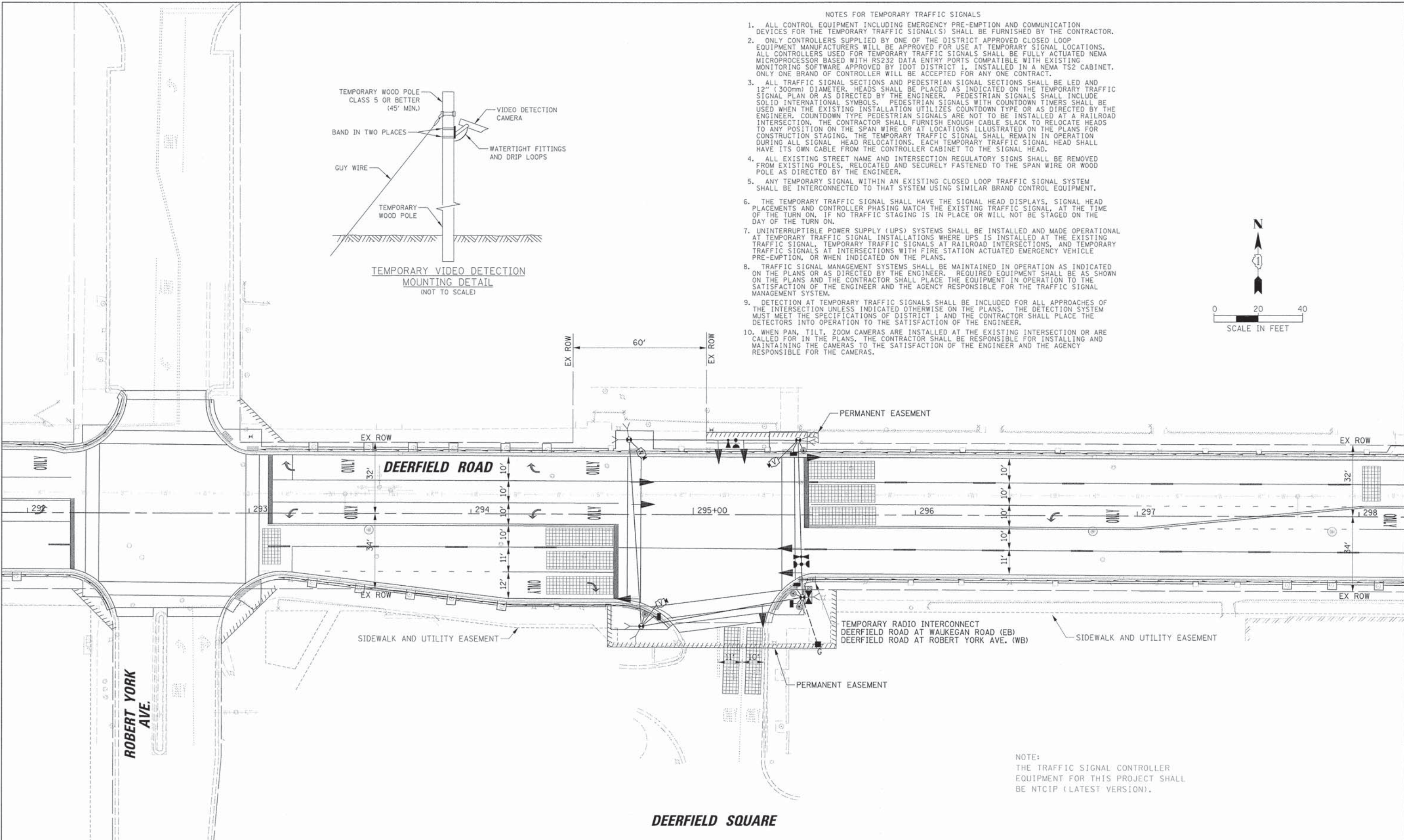
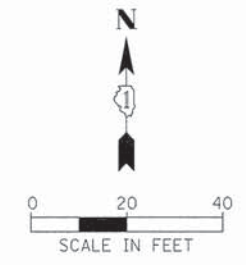
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 160
CONTRACT NO. 63882				
[ILLINOIS] FED. AID PROJECT				

PLAN	REVISIONS	DATE
NO.	PLOTTED	
	ALIGNMENT CHECKED	
	ADDED FILE NAME	

PROFILE	REVISIONS	DATE
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



- NOTES FOR TEMPORARY TRAFFIC SIGNALS
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
  2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
  3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
  4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
  5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
  6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS. SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
  7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
  8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
  9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
  10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

**DEERFIELD SQUARE**

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 28'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

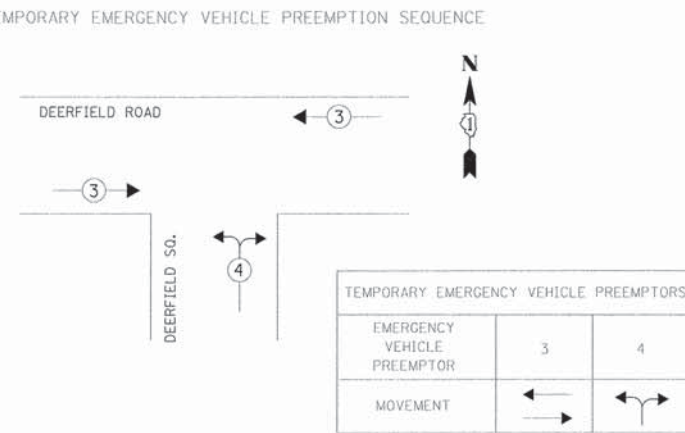
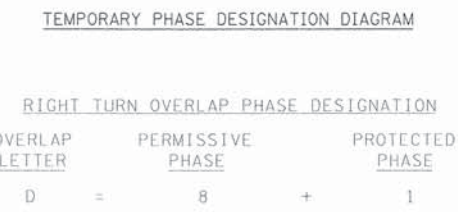
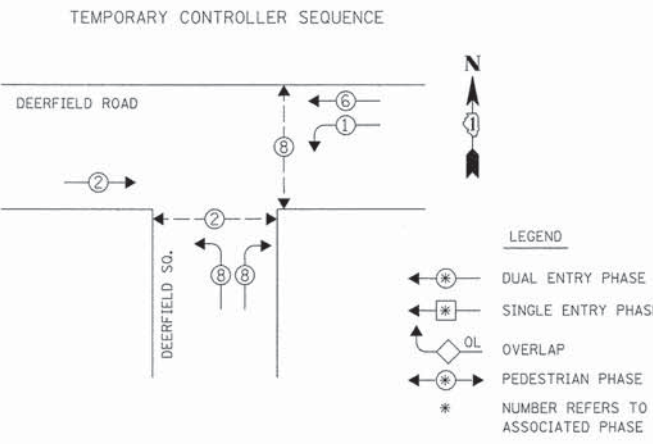
**TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM - FINAL STAGE  
DEERFIELD ROAD AND DEERFIELD SQUARE**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	161
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.

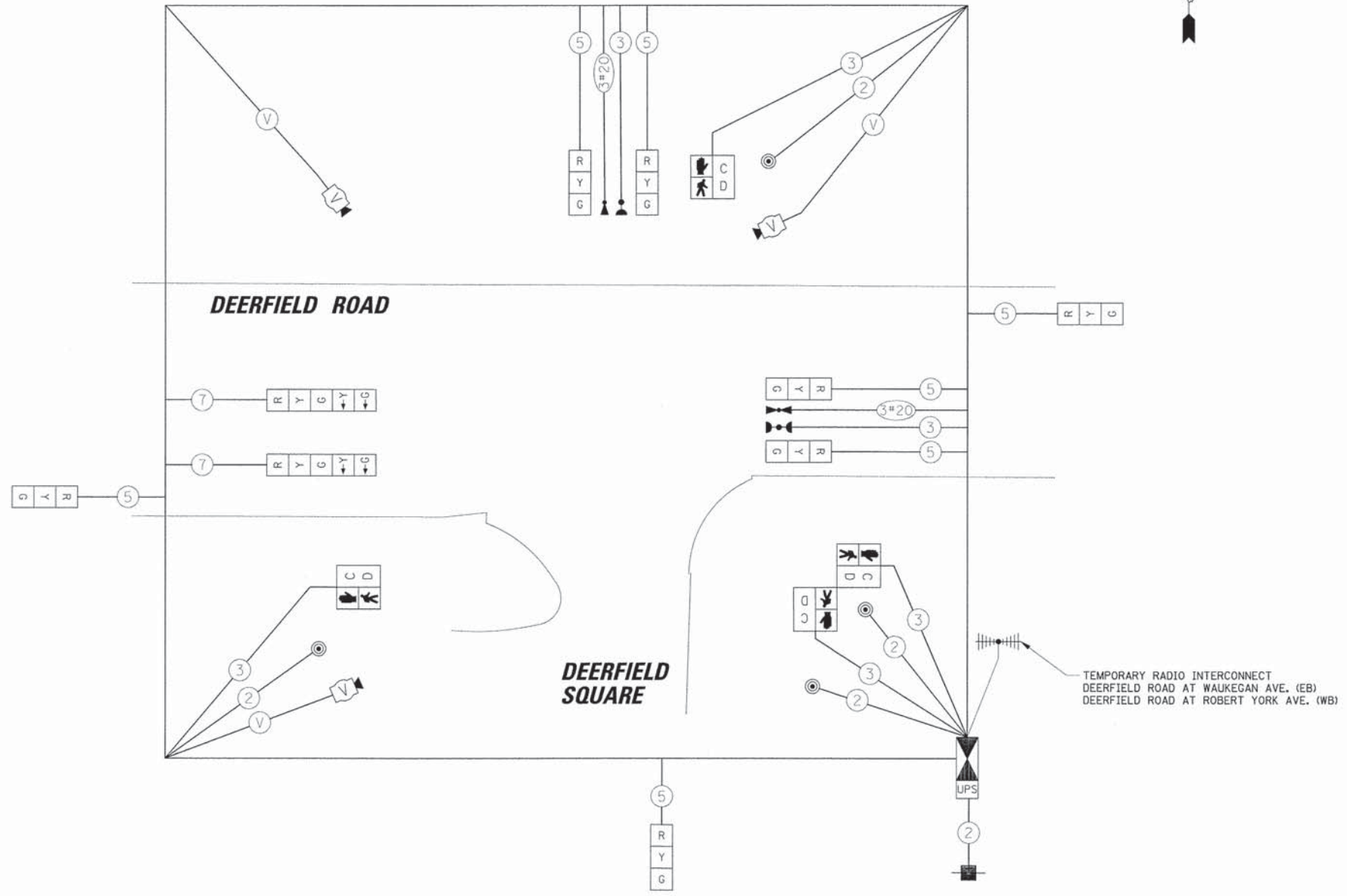
PROFILE	REVISIONS	DATE
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.
NO.	NO.	NO.



L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	9		10	0.50	45.0
(YELLOW)	9		19	0.10	17.1
(GREEN)	9		11	0.40	39.6
ARROW	4		9	0.10	3.6
PED. SIGNAL	4		9	1.00	36.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	-		250	0.50	-
L.E.D. ST. NAME SIGN	-		64	0.50	-
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER	-			0.50	-
ENERGY COSTS TO:					TOTAL = 416.3

VILLAGE OF DEERFIELD  
850 WAUKEGAN ROAD  
DEERFIELD ROAD, ILLINOIS 60015  
ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



**TEMPORARY CABLE PLAN**  
**MOT STAGES EXISTING, 1, 2, AND FINAL**

USER NAME = jsitrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED - 2
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE DEERFIELD ROAD AND DEERFIELD SQUARE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	162
				CONTRACT NO. 63882
[ILLINOIS] FED. AID PROJECT				

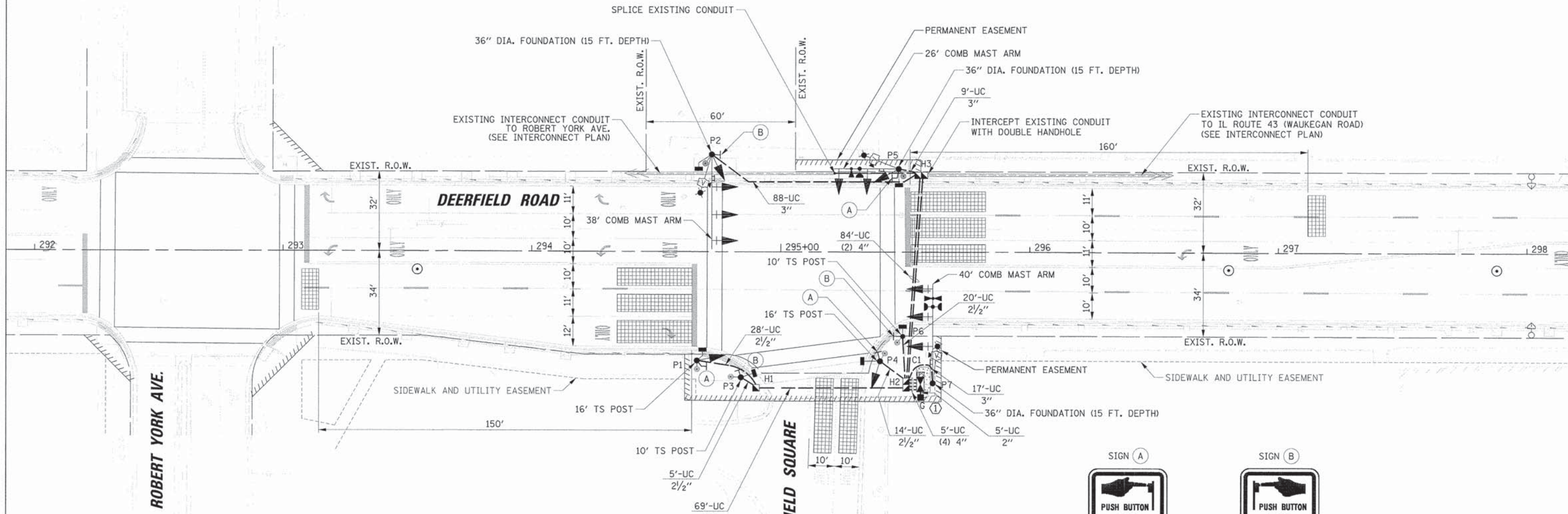
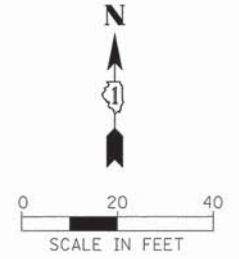
PLAN	NO. 1000	DATE
	BY	
	NOTED	
	ALIGNED	
	CHECKED	
	PLotted	
	FILE NAME	

PROFILE	NO. 1000	DATE
	BY	
	NOTED	
	GRADES	
	CHECKED	
	PLotted	
	FILE NAME	

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

CONSTRUCTION NOTE:

① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH IN THE PROPOSED CONTROLLER CABINET.



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	294+66.44	43.78' RT	-
P2	294+72.21	39.11' LT	EX STORM SEWER
P3	294+84.15	50.51' RT	EX STORM SEWER
H1	294+90.24	54.71' RT	UNDERGROUND ELECTRIC AND STORM SEWER
P4	295+39.96	43.90' RT	-
P5	295+47.19	33.41' LT	EX STORM SEWER
H2	295+50.51	53.33' RT	-
C1	295+56.21	53.20' RT	-
H3	295+56.28	30.81' LT	UNDERGROUND ELECTRIC



R10-3  
9" x 12"  
3-REQUIRED  
(INCLUDED IN PUSH-BUTTON)



R10-3  
9" x 12"  
3-REQUIRED  
(INCLUDED IN PUSH-BUTTON)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND DEERFIELD SQUARE

USER NAME = jgstrick	DESIGNED - EAJ	REVISED -
PLDT SCALE = 28"	DRAWN - FPB	REVISED -
PLDT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

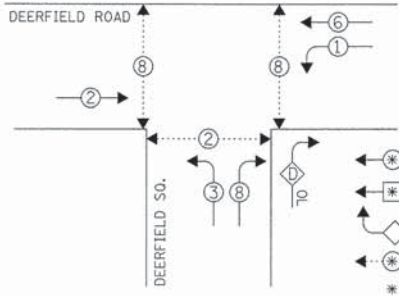
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 163
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 APPROVED: \_\_\_\_\_

**PROPOSED CONTROLLER SEQUENCE**



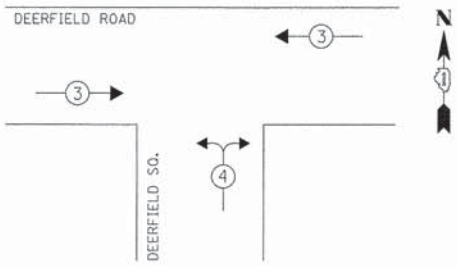
**LEGEND**

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 1	+ 8

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

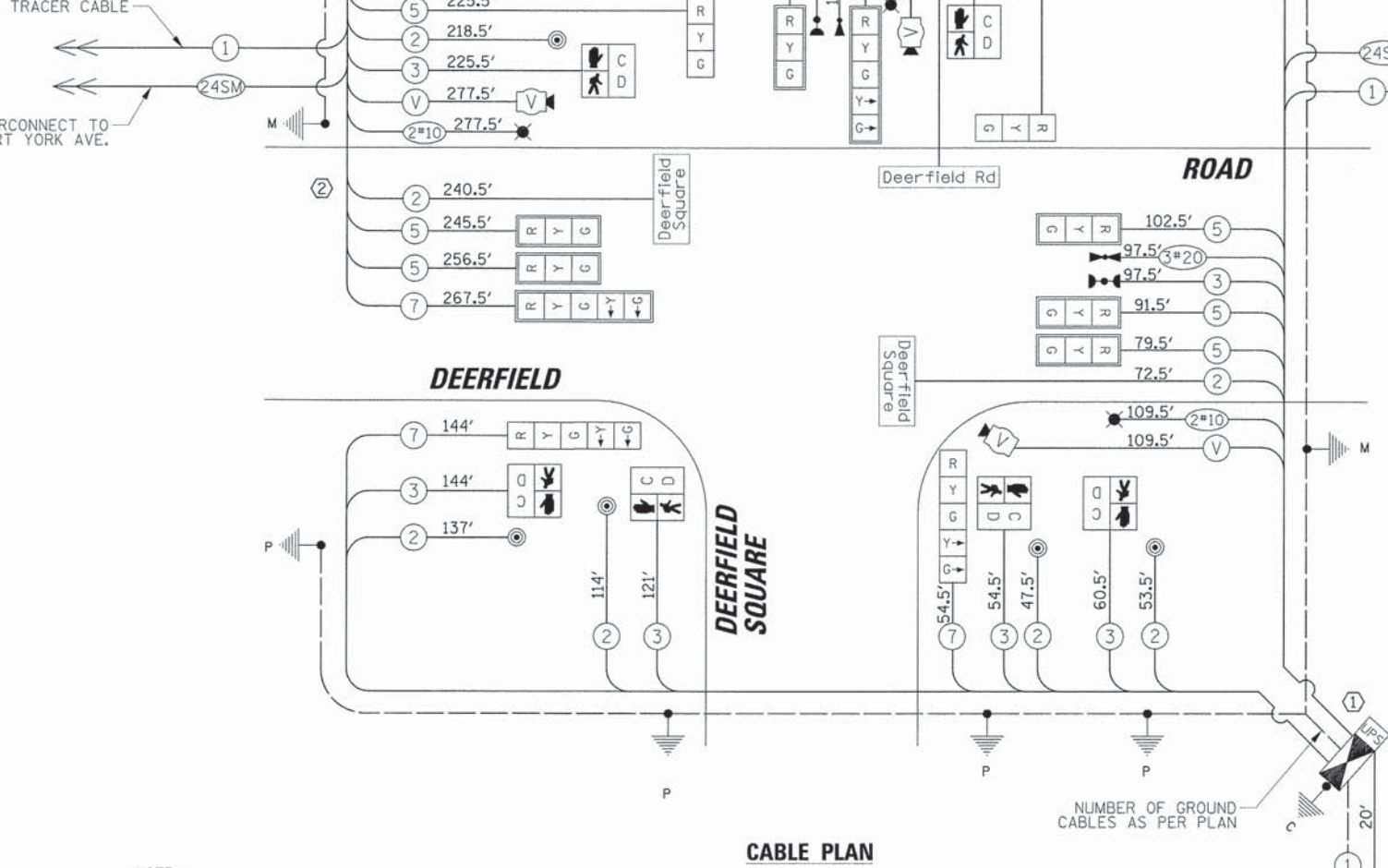


**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE		% OPERATION		
		INCAND.	LED			
SIGNAL (RED)	12		10	0.50		60.0
(YELLOW)	12		19	0.10		22.8
(GREEN)	12		11	0.40		52.8
ARROW	8		9	0.10		7.2
PED. SIGNAL	6		9	1.00		54.0
CONTROLLER	1		100	1.00		100.0
LUMINAIRE	3		250	0.50		375.0
L.E.D. ST. NAME SIGN	3		64	0.50		96.0
VIDEO SYSTEM	1		150	1.00		150.0
BATTERY BACKUP	1		25	1.00		25.0
FLASHER				0.50		
ENERGY COSTS TO:						TOTAL = 942.8

VILLAGE OF DEERFIELD  
 850 WAUKEGAN ROAD  
 DEERFIELD ROAD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

CONSTRUCTION NOTE:  
 (1) THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH IN THE PROPOSED CONTROLLER CABINET.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	67
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	114
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	257
HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1171
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1185
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1021
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1325
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	632
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	39
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	402
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C CONDUIT SPLICE	FOOT	269
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	2
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
LAYER II (DATALINK) SWITCH	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

USER NAME = jostreik	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

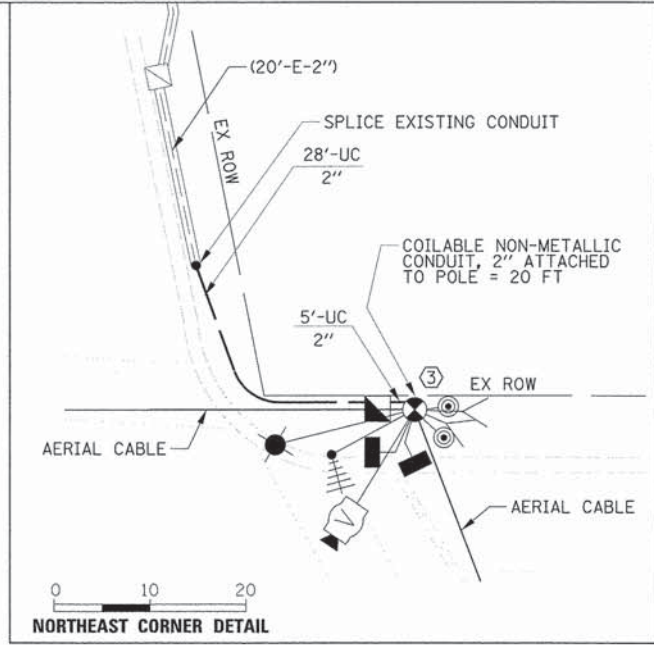
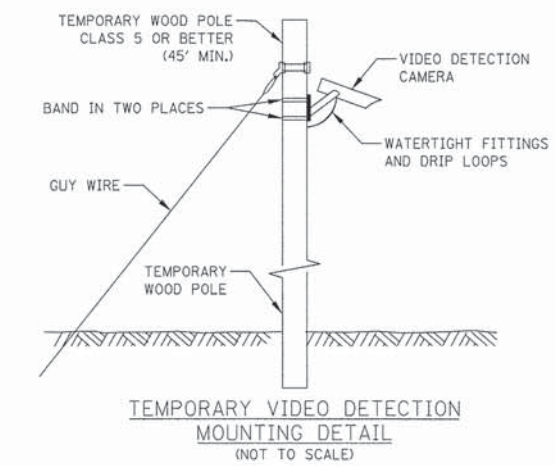
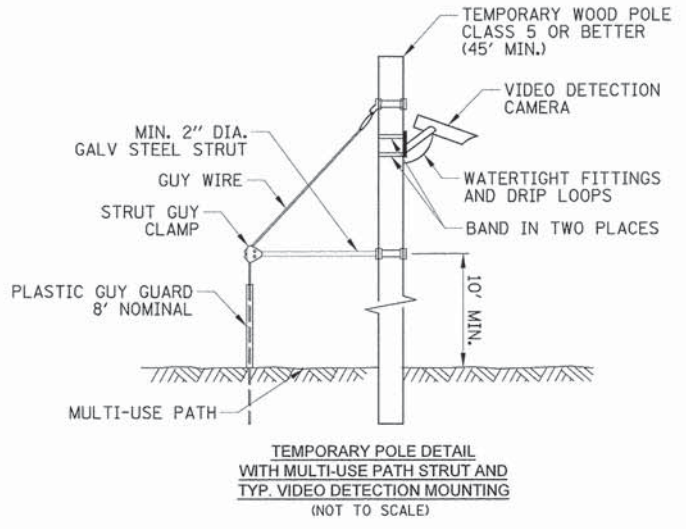
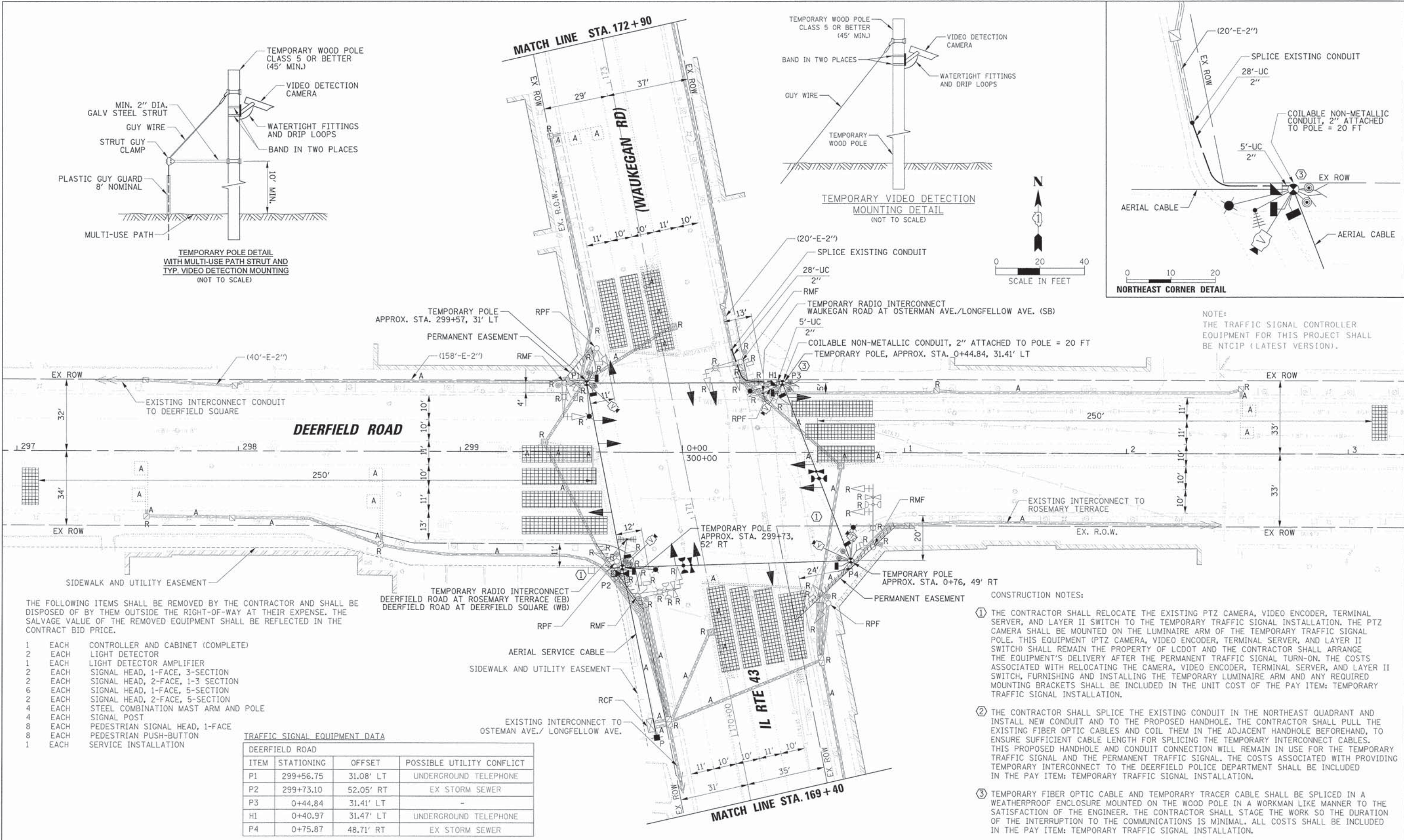
**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE DEERFIELD ROAD AND DEERFIELD SQUARE**

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 164
SCALE: N.T.S.			CONTRACT NO. 63882	
ILLINOIS FED. AID PROJECT				



DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

DATE	
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REVISIONS	
NO.	
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DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 2 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION
- 6 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 5-SECTION
- 4 EACH STEEL COMBINATION MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 8 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION

TRAFFIC SIGNAL EQUIPMENT DATA			
DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	299+56.75	31.08' LT	UNDERGROUND TELEPHONE
P2	299+73.10	52.05' RT	EX STORM SEWER
P3	0+44.84	31.41' LT	-
H1	0+40.97	31.47' LT	UNDERGROUND TELEPHONE
P4	0+75.87	48.71' RT	EX STORM SEWER

- CONSTRUCTION NOTES:
- 1 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT (PTZ CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH) SHALL REMAIN THE PROPERTY OF LCDOT AND THE CONTRACTOR SHALL ARRANGE THE EQUIPMENT'S DELIVERY AFTER THE PERMANENT TRAFFIC SIGNAL TURN-ON. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 2 THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT IN THE NORTHEAST QUADRANT AND INSTALL NEW CONDUIT AND TO THE PROPOSED HANDHOLE. THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC CABLES AND COIL THEM IN THE ADJACENT HANDHOLE BEFOREHAND, TO ENSURE SUFFICIENT CABLE LENGTH FOR SPLICING THE TEMPORARY INTERCONNECT CABLES. THIS PROPOSED HANDHOLE AND CONDUIT CONNECTION WILL REMAIN IN USE FOR THE TEMPORARY TRAFFIC SIGNAL AND THE PERMANENT TRAFFIC SIGNAL. THE COSTS ASSOCIATED WITH PROVIDING TEMPORARY INTERCONNECT TO THE DEERFIELD POLICE DEPARTMENT SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  - 3 TEMPORARY FIBER OPTIC CABLE AND TEMPORARY TRACER CABLE SHALL BE SPLICED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMAN LIKE MANNER TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL STAGE THE WORK SO THE DURATION OF THE INTERRUPTION TO THE COMMUNICATIONS IS MINIMAL. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
AND REMOVAL PLAN  
DEERFIELD ROAD AT IL ROUTE 43 (WAUKEGAN RD.)**

USER NAME =	jsatrisk
DESIGNED -	EAJ
DRAWN -	FPB
CHECKED -	GMZ
DATE -	
PLDT SCALE =	20'
PLDT DATE =	8/30/2015

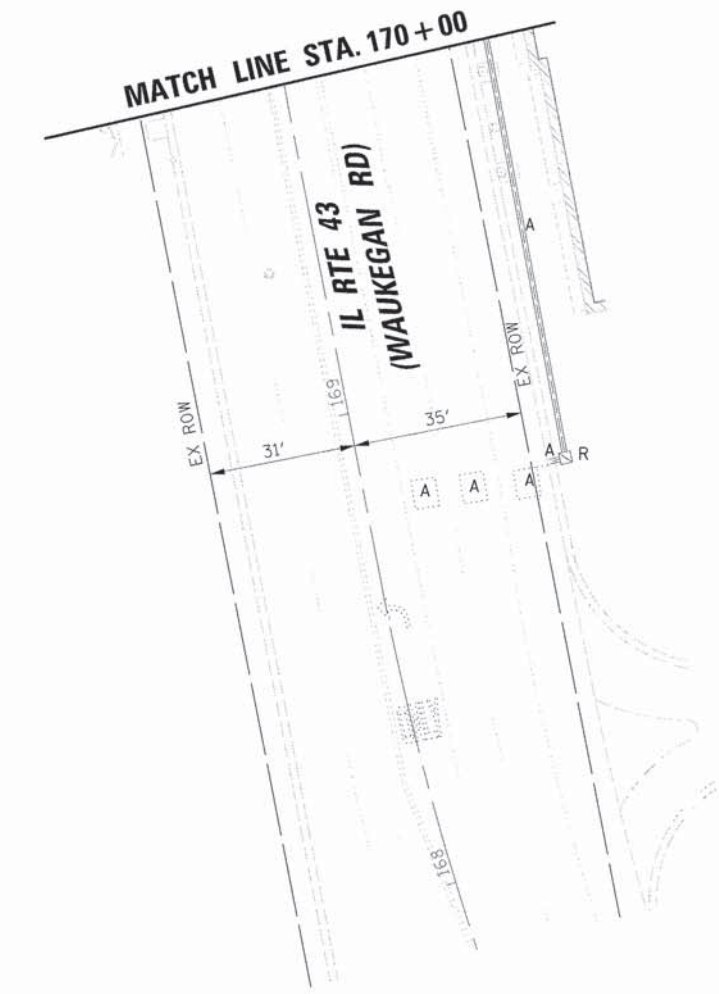
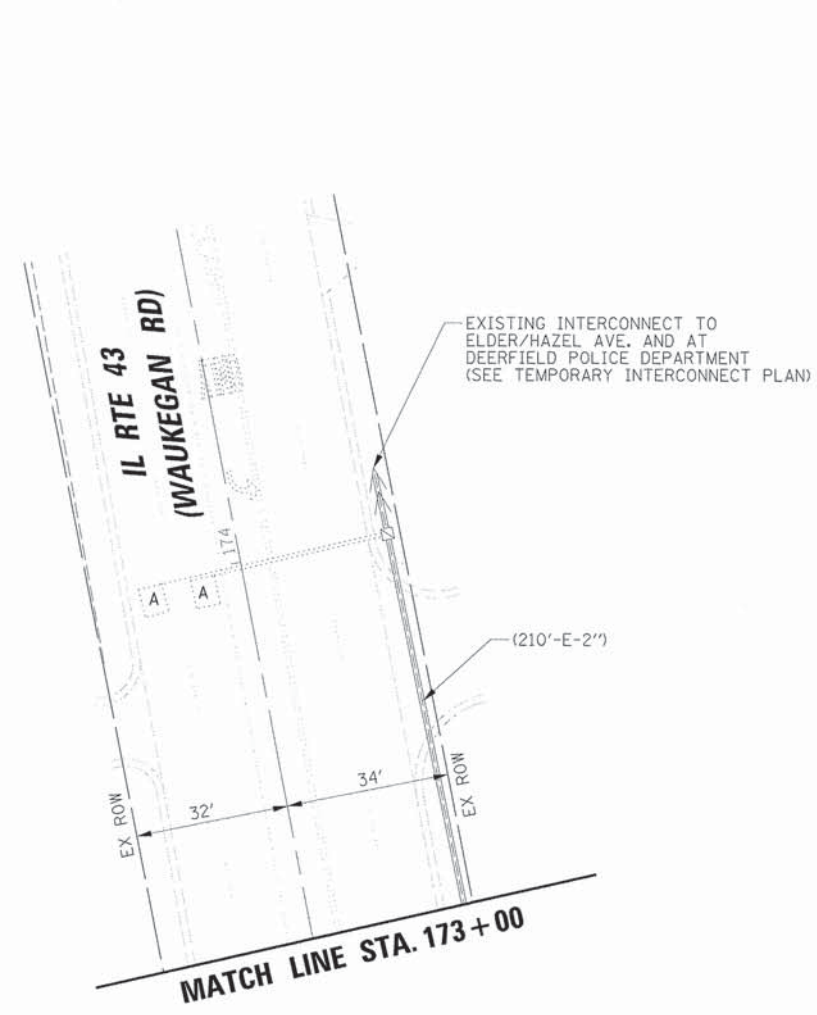
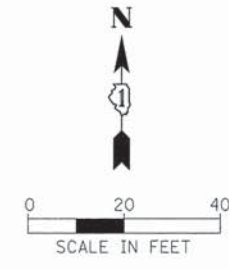
REVISED -	
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SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA.	TO STA.	4+00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	165
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	BY	DATE
NO.	NO.		
NOTE BOOK	ALIGNED	CHECKED	
	PLANNED	BY	
	FILE NAME		

PROFILE	REVISIONS	BY	DATE
NO.	NO.		
NOTE BOOK	GRADES CHECKED		
	STRUCTURE NOTATIONS		



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
AND REMOVAL PLAN  
DEERFIELD ROAD AT IL ROUTE 43 (WAUKEGAN RD.)

USER NAME = jsitrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLDT SCALE = 28'	CHECKED - GMZ	REVISED -
PLDT DATE = 8/30/2015	DATE -	REVISED -

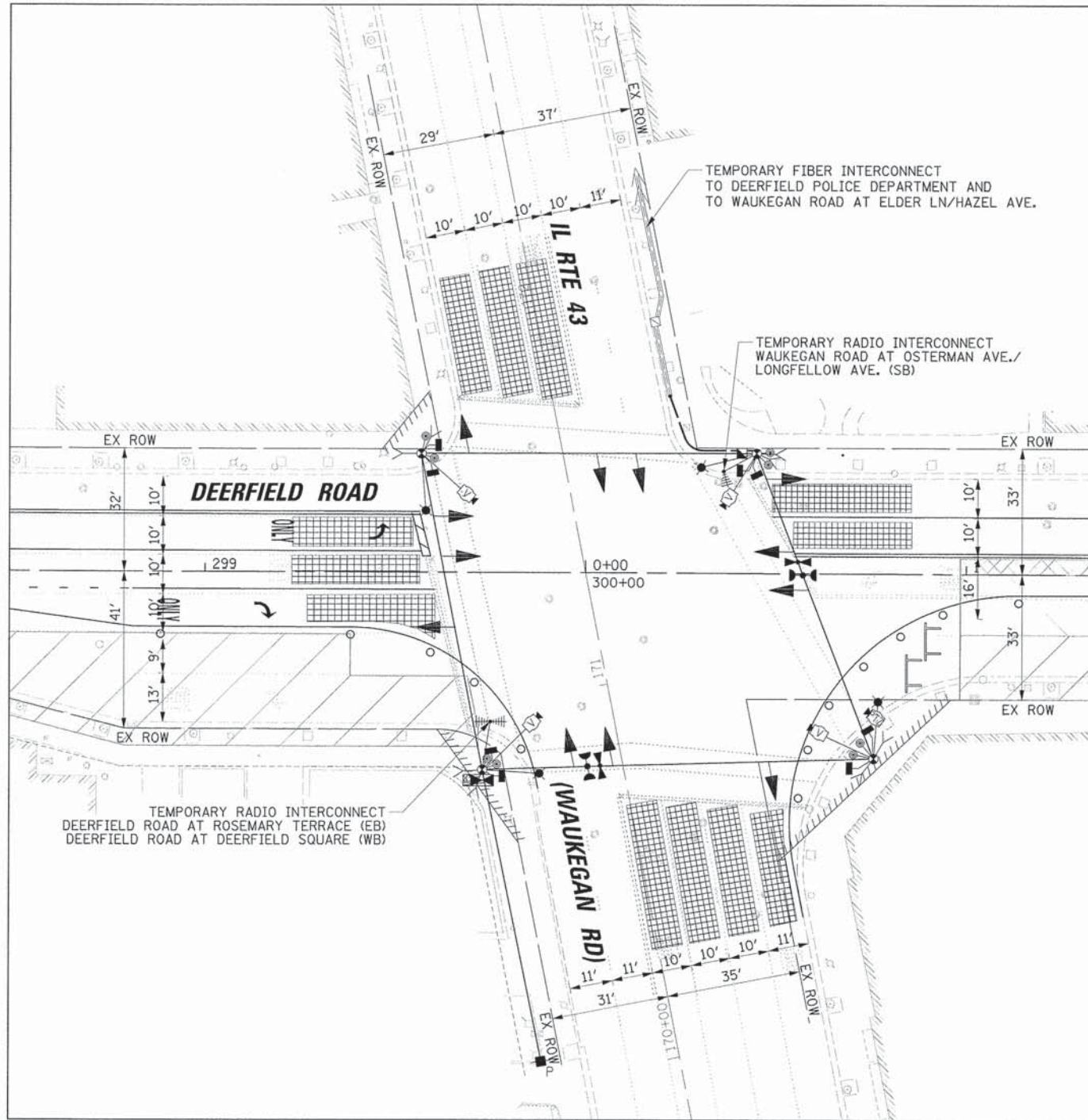
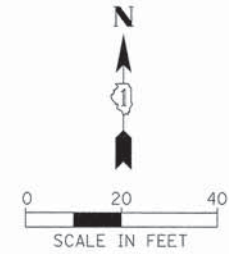
1" = 20'

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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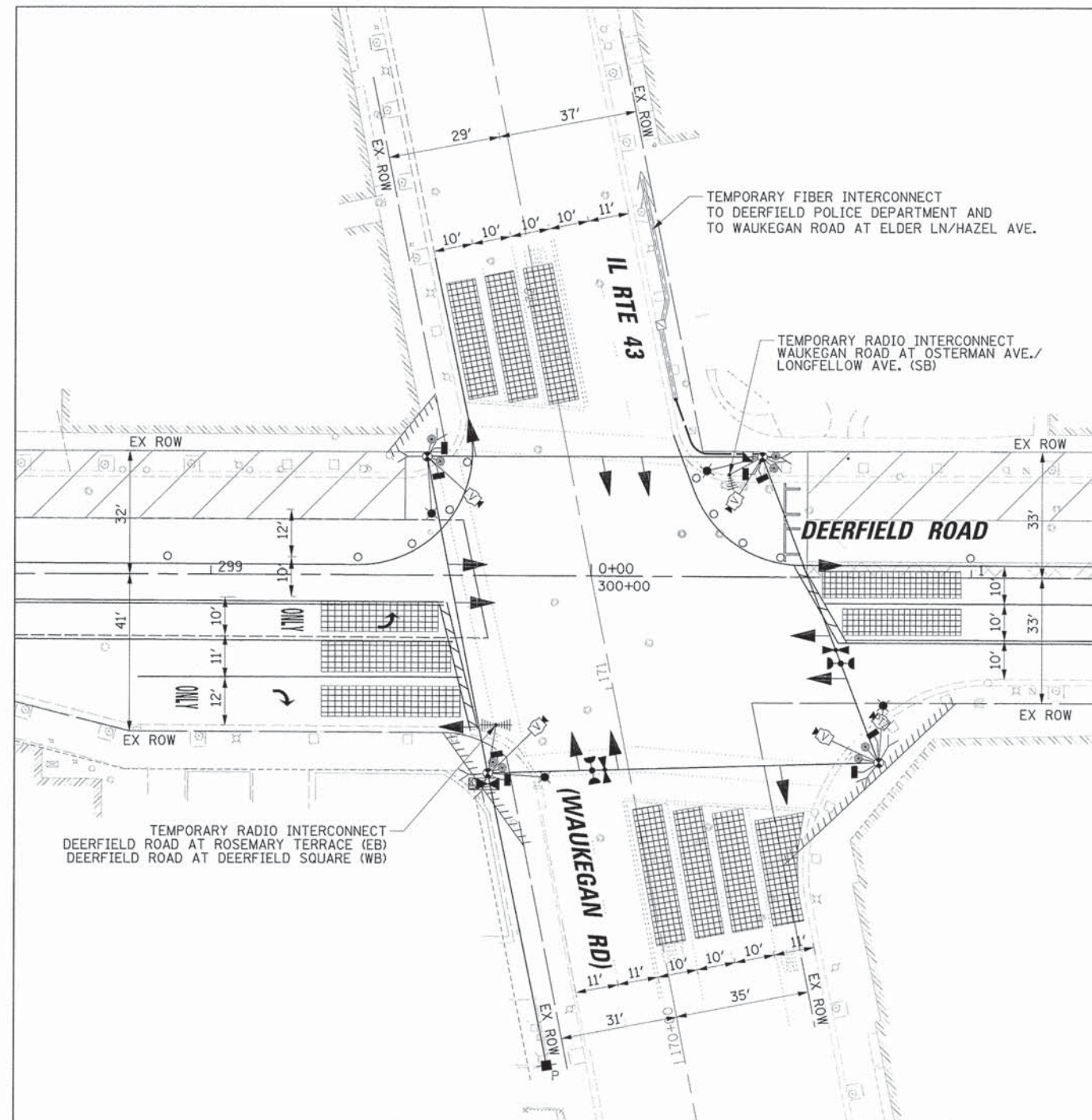
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	166
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
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PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	



STAGE 1



STAGE 2

20'

USER NAME = jptrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

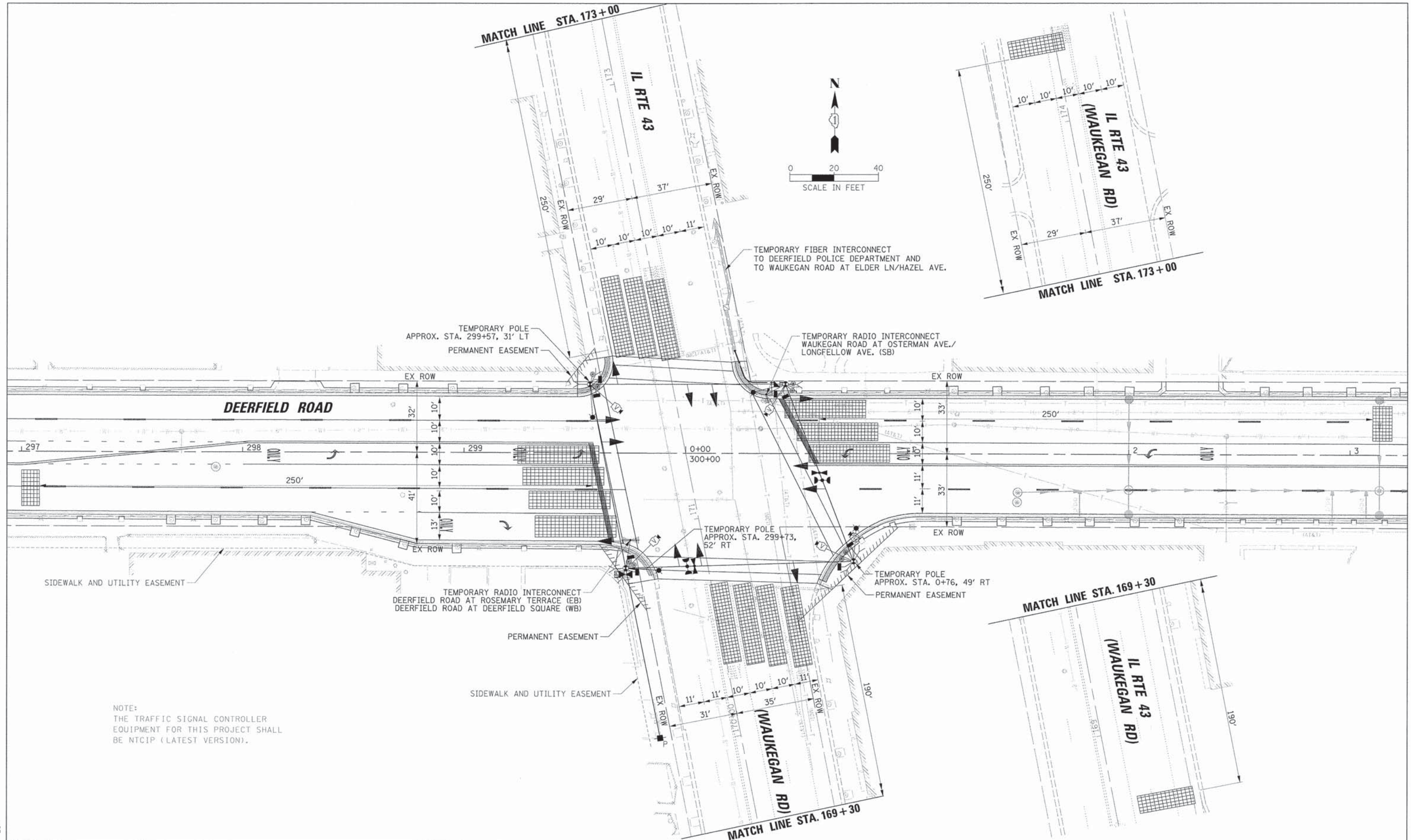
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 AND STAGE 2 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	167
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	REVISIONS	
	NO. OF WAY CHECKED	
	NO.	FIELD FILE NAME

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	REVISIONS	
	NO. OF WAY CHECKED	
	NO.	STRUCTURE NOTATIONS OTHER



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).

202

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL STAGE  
DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)**

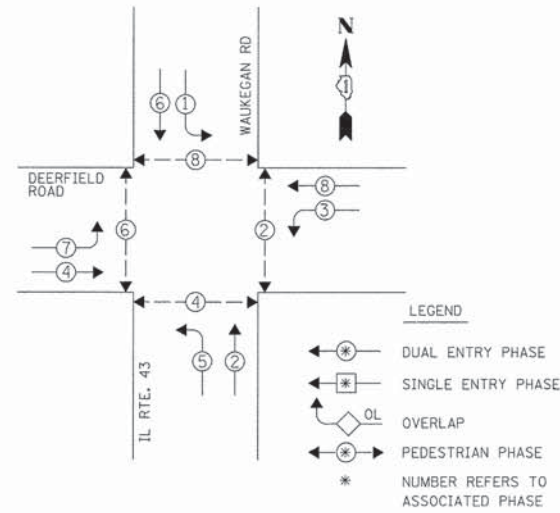
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA. 4+00

F.A.U. RTE. 1257	SECTION II-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 168
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
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NOTED	
NO.	

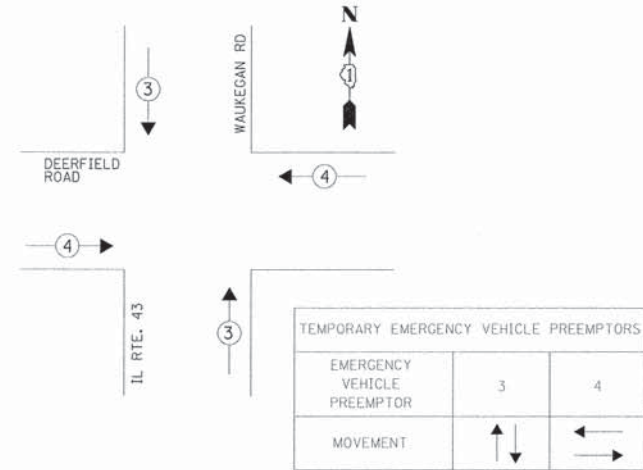
DATE	
BY	
REVIEWED	
PLOTTED	
NOTED	
NO.	

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT (PTZ CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH) SHALL REMAIN THE PROPERTY OF LCDOT AND THE CONTRACTOR SHALL ARRANGE THE EQUIPMENT'S DELIVERY. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, TERMINAL SERVER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- THE CONTRACTOR SHALL SPLICE THE EXISTING CONDUIT IN THE NORTHEAST QUADRANT AND INSTALL NEW CONDUIT AND TO THE PROPOSED HANDHOLE. THE CONTRACTOR SHALL PULL THE EXISTING FIBER OPTIC CABLES AND COIL THEM IN THE ADJACENT HANDHOLE BEFOREHAND, TO ENSURE SUFFICIENT CABLE LENGTH FOR SPLICING TEMPORARY INTERCONNECT CABLES. THIS PROPOSED HANDHOLE AND CONDUIT CONNECTION WILL REMAIN IN USE FOR THE TEMPORARY TRAFFIC SIGNAL AND THE PERMANENT TRAFFIC SIGNAL. THE COSTS ASSOCIATED WITH PROVIDING TEMPORARY INTERCONNECT TO THE DEERFIELD POLICE DEPARTMENT SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.
- TEMPORARY FIBER OPTIC CABLE AND TEMPORARY TRACER CABLE SHALL BE SPLICED IN A WEATHERPROOF ENCLOSURE MOUNTED ON THE WOOD POLE IN A WORKMAN LIKE MANNER TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL STAGE THE WORK SO THE DURATION OF THE INTERRUPTION TO THE COMMUNICATIONS IS MINIMAL. ALL COSTS SHALL BE INCLUDED IN THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.5
(YELLOW)	12		25	0.25	75.0
(GREEN)	12		15	0.25	45.0
ARROW	16		12	0.10	19.2
PED. SIGNAL	8		25	1.00	200.0
CONTROLLER	1		100	1.00	100.0
ILLUMINATED SIGN	-				-
VIDEO SYSTEM	1	150		1.00	150.0
LUMINAIRE	4	400		0.50	800.0
BATTERY BACKUP	1	25		1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	1516.7

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED

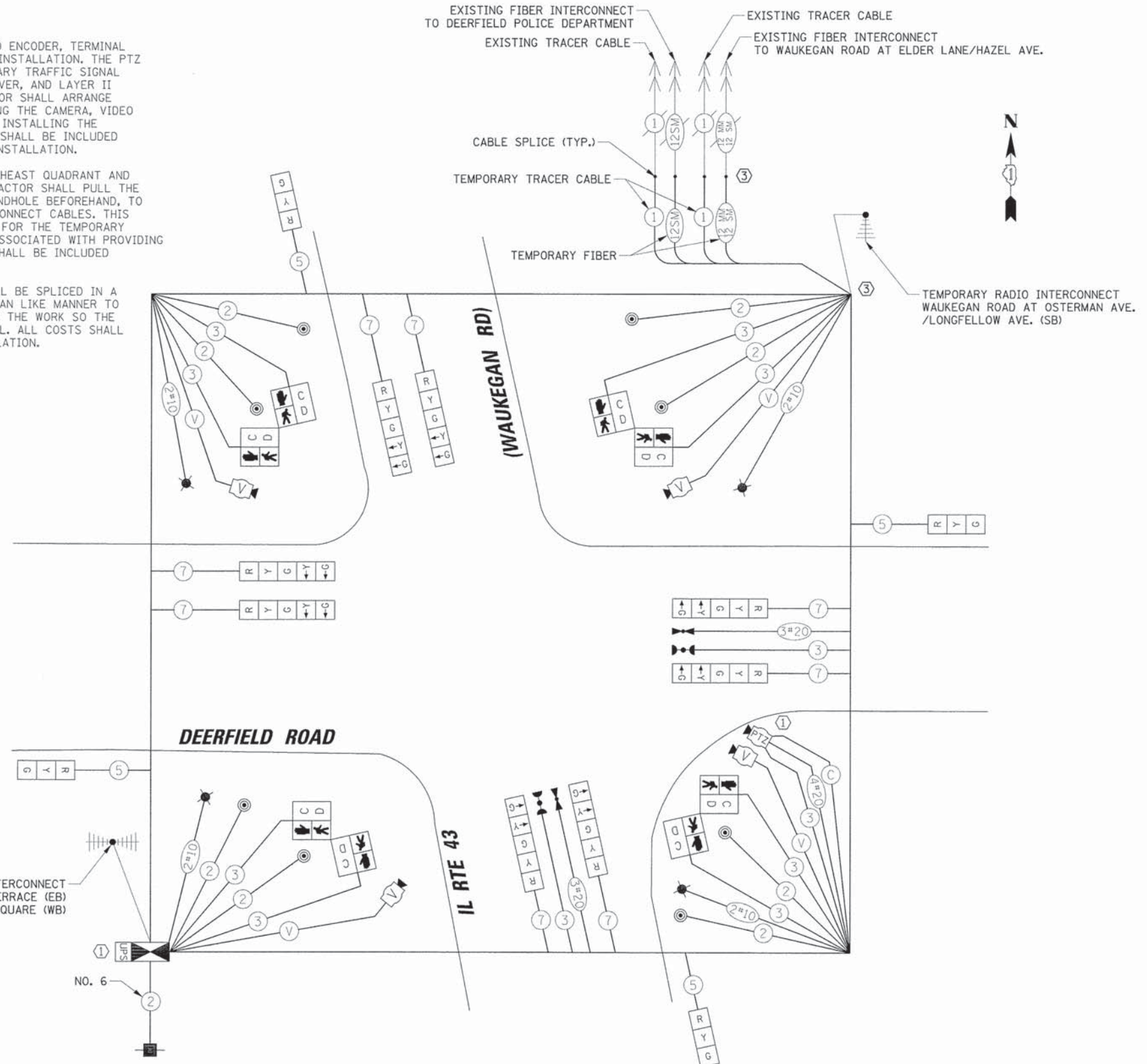
USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 28'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
MOT STAGES EXISTING, 1, 2, AND FINAL  
DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 169
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

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



TEMPORARY CABLE PLAN  
MOT STAGES EXISTING, 1, 2, AND FINAL

TRAFFIC SIGNAL EQUIPMENT DATA

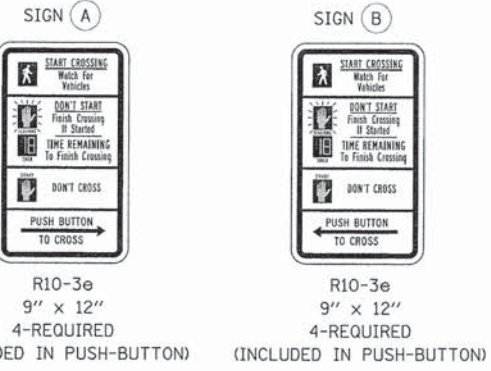
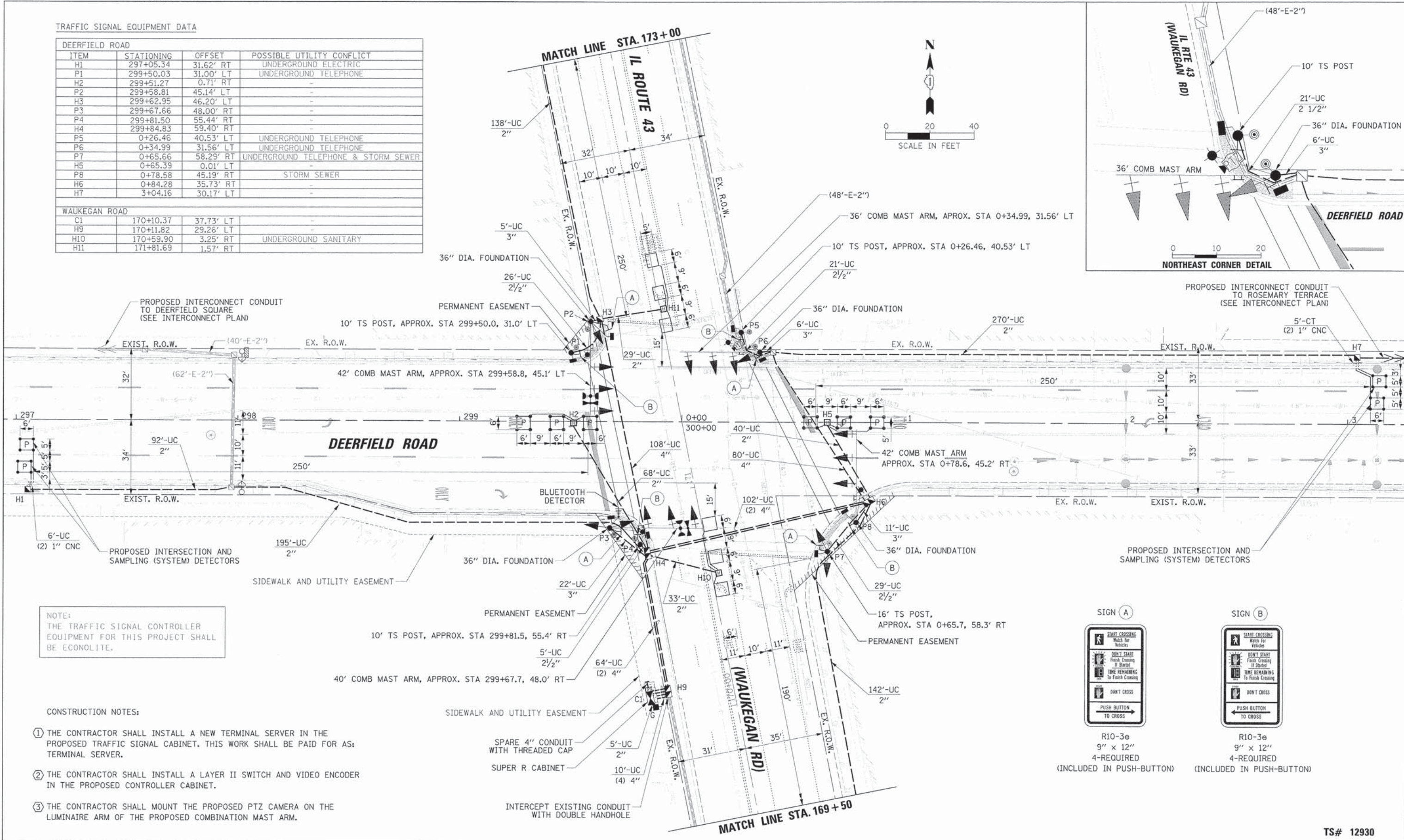
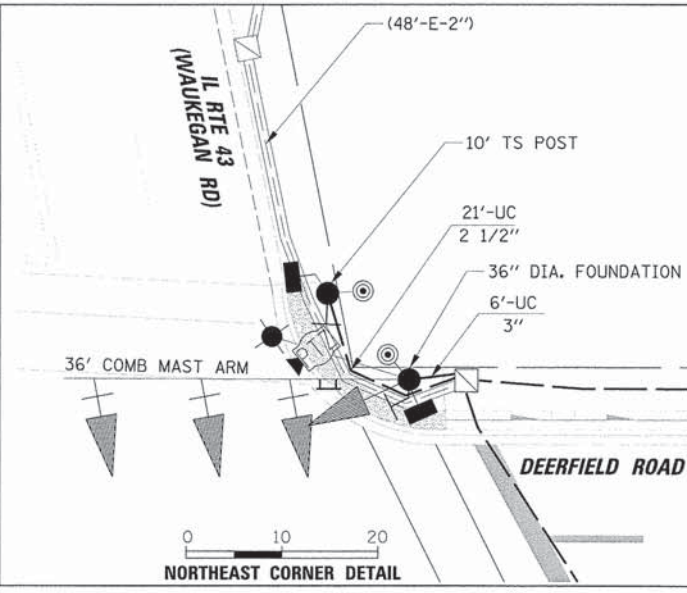
DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
H1	297+05.34	31.62' RT	UNDERGROUND ELECTRIC
P1	299+50.03	31.00' LT	UNDERGROUND TELEPHONE
H2	299+51.27	0.71' RT	-
P2	299+58.81	45.14' LT	-
H3	299+62.95	46.20' LT	-
P3	299+67.66	48.00' RT	-
P4	299+81.50	55.44' RT	-
H4	299+84.83	59.40' RT	-
P5	0+26.46	40.53' LT	UNDERGROUND TELEPHONE
P6	0+34.99	31.56' LT	UNDERGROUND TELEPHONE
P7	0+65.66	58.29' RT	UNDERGROUND TELEPHONE & STORM SEWER
H5	0+65.39	0.01' LT	-
P8	0+78.58	45.19' RT	STORM SEWER
H6	0+84.28	35.73' RT	-
H7	3+04.16	30.17' LT	-
WAUKEGAN ROAD			
C1	170+10.37	37.73' LT	-
H9	170+11.82	29.26' LT	-
H10	170+59.90	3.25' RT	UNDERGROUND SANITARY
H11	171+81.69	1.57' RT	-

DATE	BY	REVISION

DATE	BY	REVISION

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE.

- CONSTRUCTION NOTES:
- 1 THE CONTRACTOR SHALL INSTALL A NEW TERMINAL SERVER IN THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS: TERMINAL SERVER.
  - 2 THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
  - 3 THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.



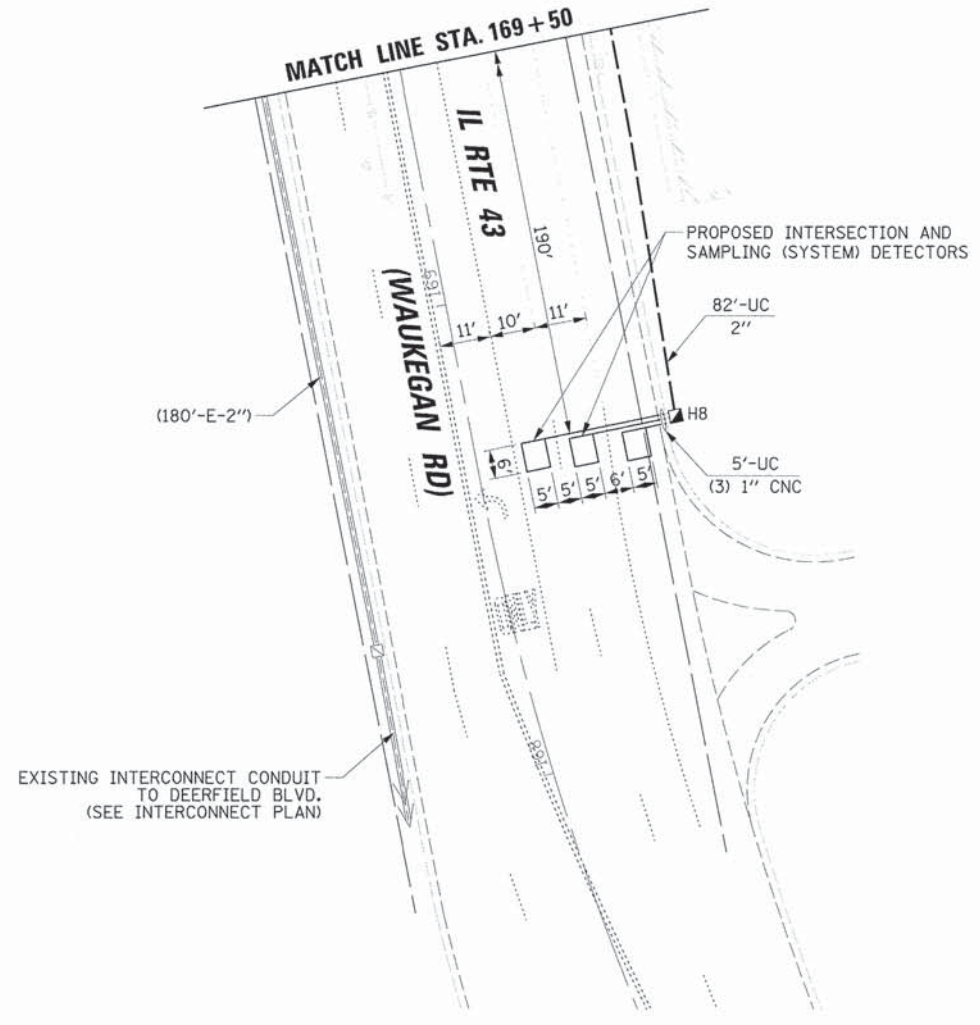
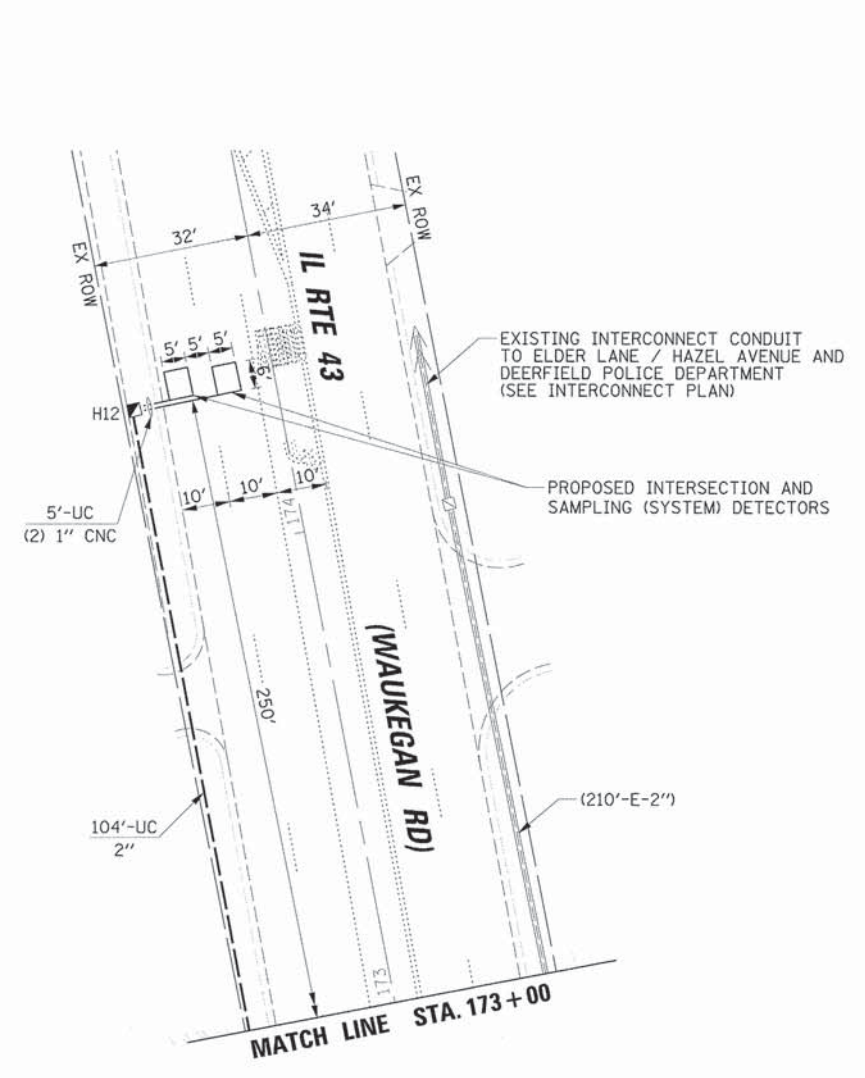
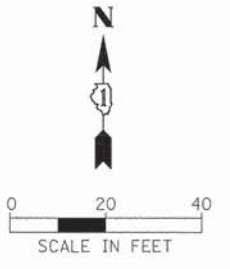
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)

USER NAME = jstrick	DESIGNED - EAJ	REVISED -	SCALE: 1" = 20'	SHEET NO. OF SHEETS STA. TO STA.	F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 170
PLOT SCALE = 20'	DRAWN - FPB	REVISED -							
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -							
	DATE -	REVISED -							
CONTRACT NO. 63882									

PLAN	SURVEYED	DATE
	ALIGNED	
	RT. OF WAY	
	CHECKED	
	NO.	
	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	
	NOTED	
	STRUCTURE	
	INITIATING	
	CHKD	



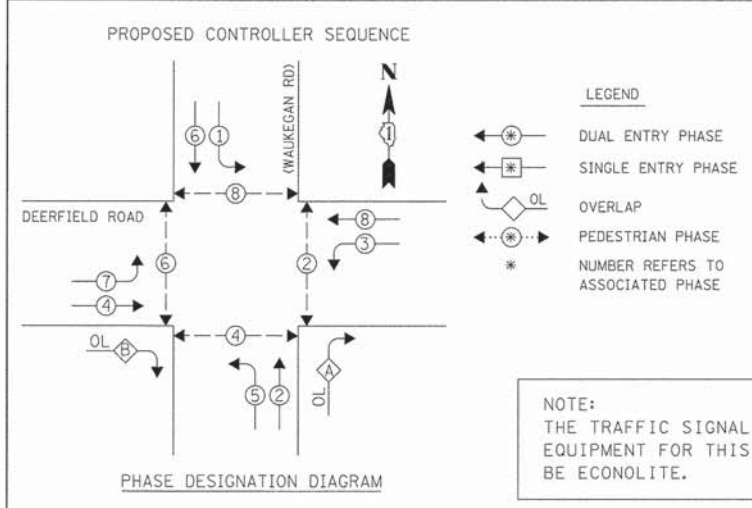
20'

TS# 12930

USER NAME = jstrick	DESIGNED - EAJ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN</b> <b>DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)</b>		F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 171	
PLOT SCALE = 20'	DRAWN - FPB	REVISED -		SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 63882		
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -							ILLINOIS FED. AID PROJECT		
	DATE -	REVISED -									

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
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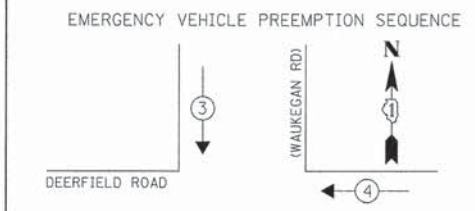
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DESCRIPTION	
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REVISIONS	
NO.	
DESCRIPTION	



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE ECONOLITE.

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	MOVEMENT
3	↑
4	←

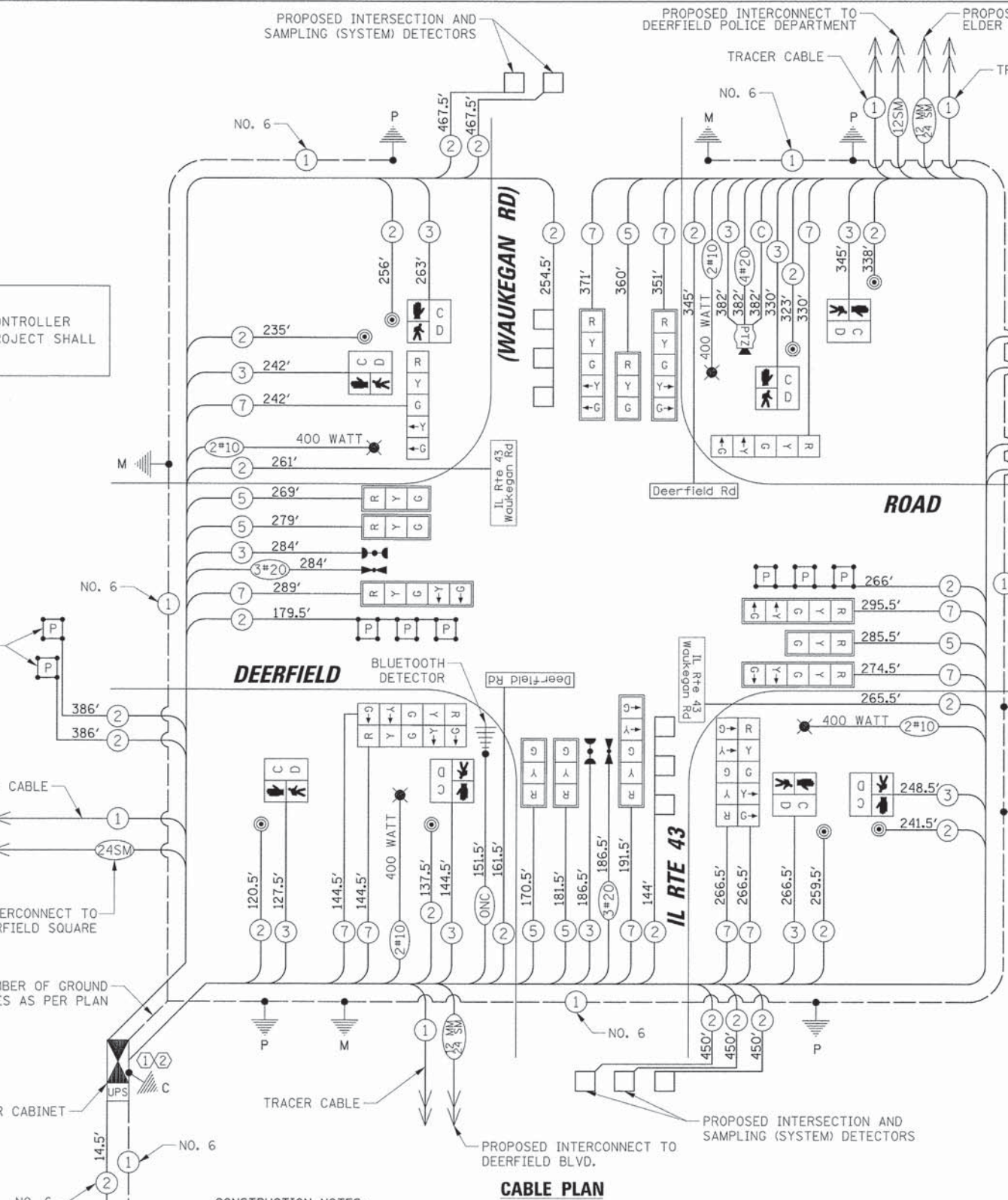
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE	TOTAL WATTAGE
SIGNAL (RED)	18	17	153.0
(YELLOW)	18	25	112.50
(GREEN)	18	15	67.50
ARROW	24	12	28.8
PED. SIGNAL	8	25	200.0
CONTROLLER	1	100	100.0
ILLUMINATED SIGN	-	25	-
VIDEO SYSTEM	-	150	-
LUMINAIRE	4	400	800.0
BATTERY BACKUP	1	25	25.0
FLASHER	-	-	-

ENERGY COSTS TO: TOTAL = 1486.8

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAY/DISTRICT 1  
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED



- CONSTRUCTION NOTES:
- THE CONTRACTOR SHALL INSTALL A NEW TERMINAL SERVER IN THE PROPOSED TRAFFIC SIGNAL CABINET. THIS WORK SHALL BE PAID FOR AS: TERMINAL SERVER.
  - THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
  - THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1186
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	80
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	54
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	565
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	3
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2944
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2820
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1546
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3167
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5066
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	15
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	627
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	8
WITH COUNTDOWN TIMER	EACH	12
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	13
DETECTOR LOOP, TYPE I	FOOT	358
PREFORMED DETECTOR LOOP	FOOT	313
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	18
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	471
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	382
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	382
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
TERMINAL SERVER	EACH	1
VIDEO ENCODER	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	152
BLUETOOTH DETECTOR	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DEERFIELD ROAD AND IL ROUTE 43 (WAUKEGAN RD.)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	172
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

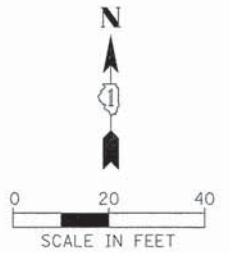


NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

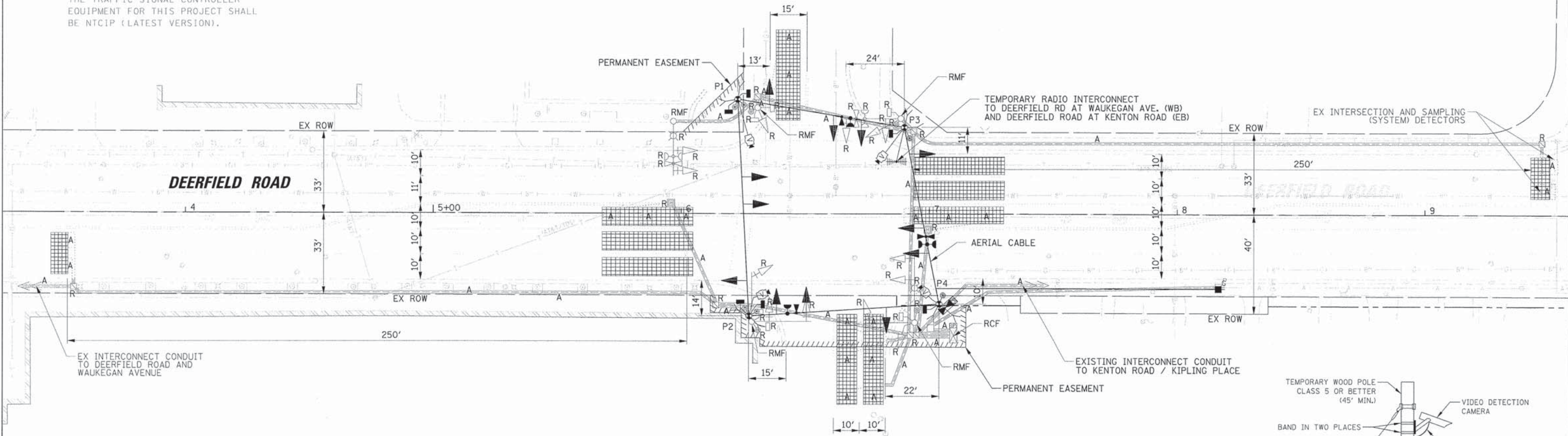
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 7 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 4-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH STEEL MAST ARM AND POLE
- 1 EACH STEEL COMBINATION MAST ARM AND POLE
- 1 EACH STEEL MAST ARM AND POLE WITH DUAL ARMS
- 1 EACH STEEL COMBINATION MAST ARM AND POLE WITH DUAL ARMS
- 1 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE INSTALLATION



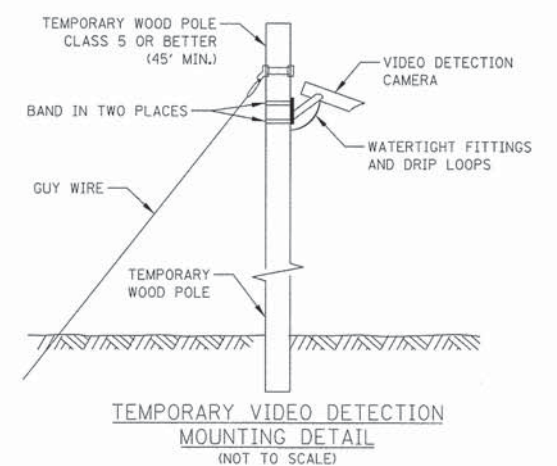
NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

ROSEMARY TERRACE



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	6+22.63	46.26' LT	-
P2	6+27.37	41.30' RT	EX SIGNAL CONDUIT
P3	6+89.81	34.99' LT	EX SIGNAL CONDUIT
P4	7+04.00	36.44' RT	-



PLAN  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
REVISIONS:  
NO. DESCRIPTION  
1. \_\_\_\_\_

PROFILE  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
REVISIONS:  
NO. DESCRIPTION  
1. \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  
DEERFIELD ROAD AND ROSEMARY TERRACE

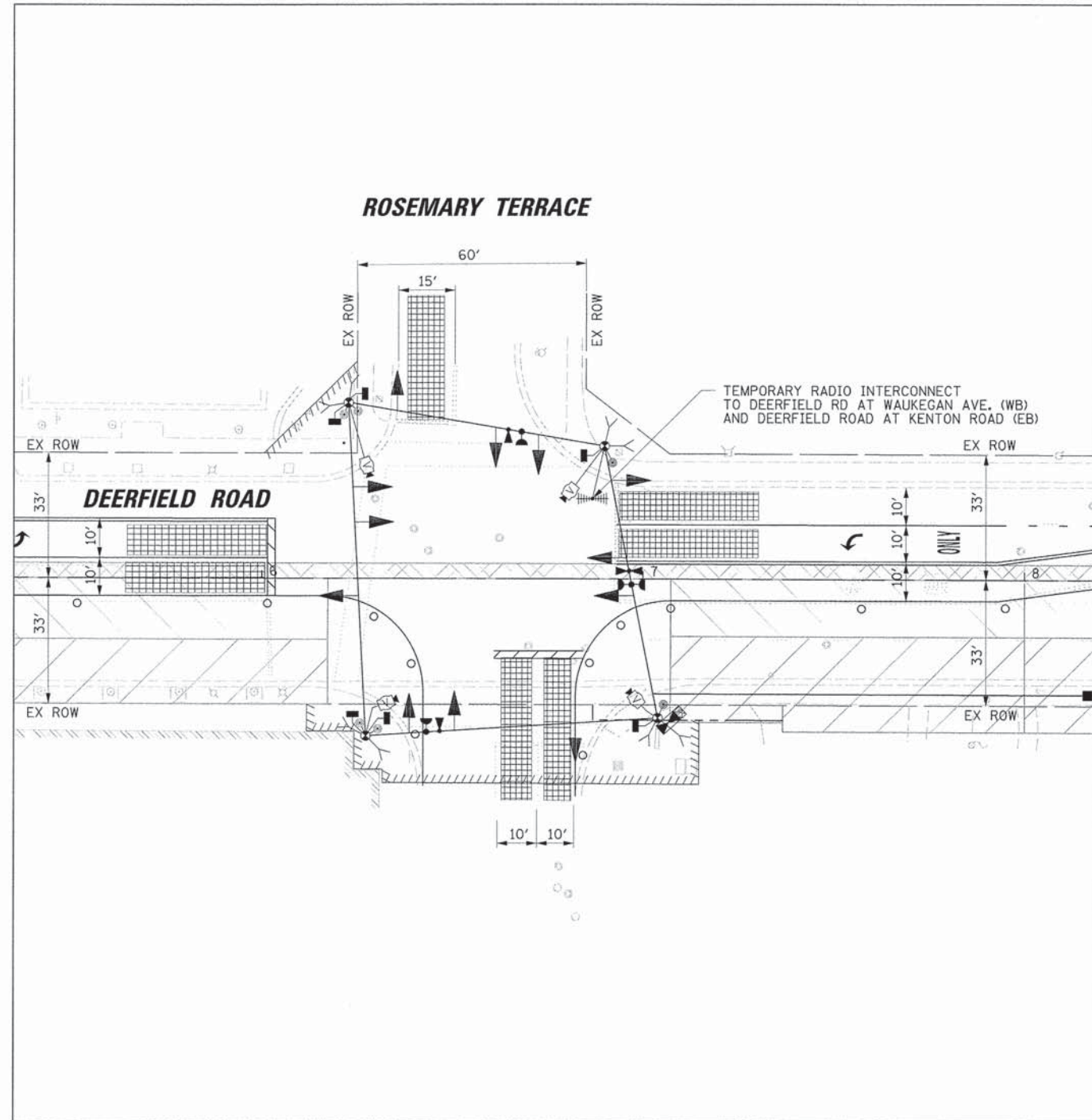
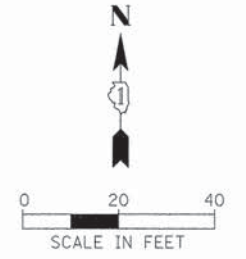
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 173
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

USER NAME = jsjtrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

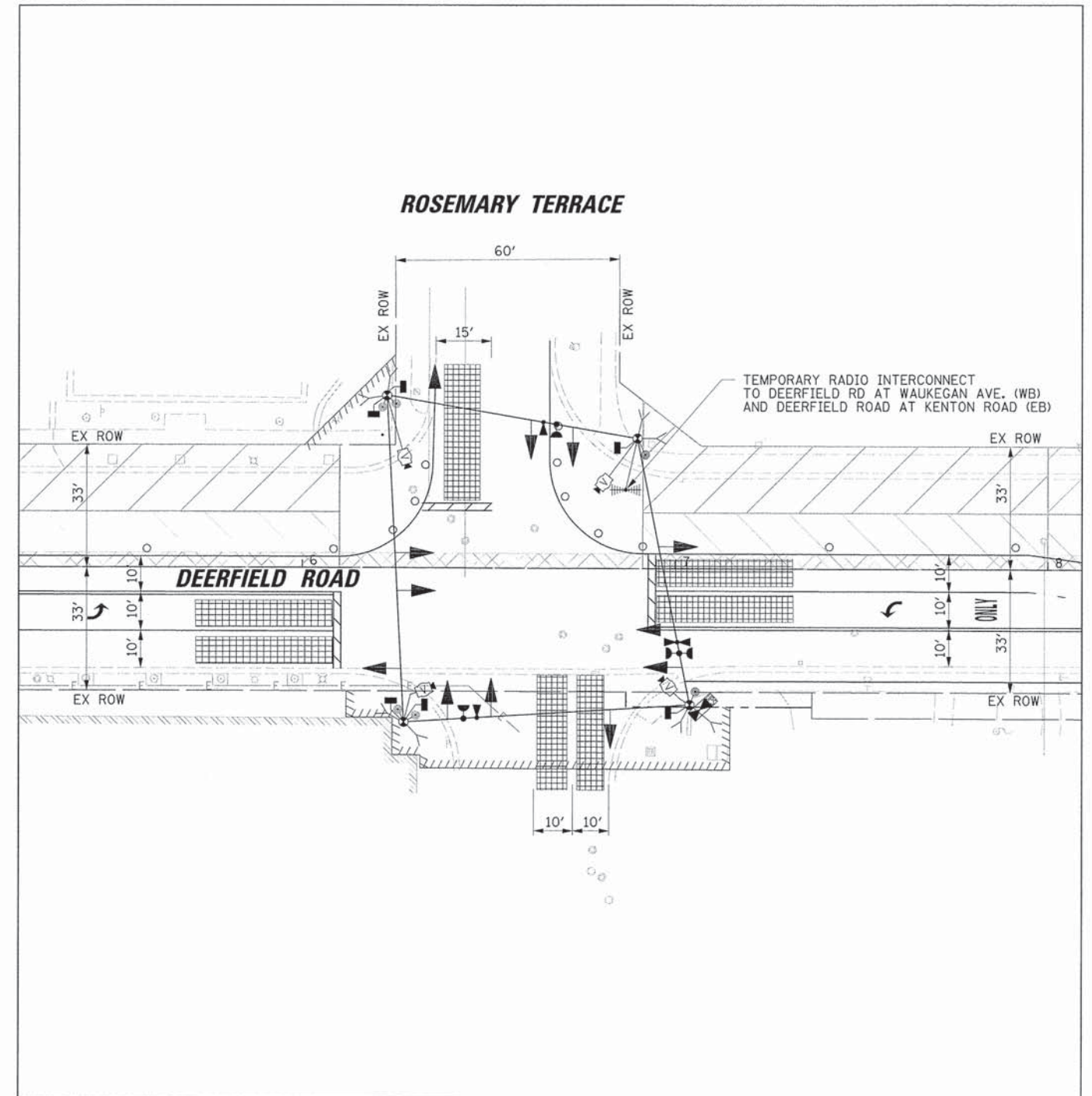
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

PLAN	DATE
BY	
CHECKED	
NOTED	
ALIGNMENT CHECKED	
PLANTING CHECKED	
NO. OF PAGES	
FILE NAME	

PROFILE	DATE
BY	
CHECKED	
NOTED	
GRADES CHECKED	
S.M. NOTED	
STRUCTURE NOTATIONS OK'D	



STAGE 1



STAGE 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 AND STAGE 2  
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND ROSEMARY TERRACE

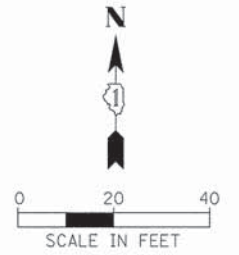
USER NAME = jsstrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	174
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

NOTES FOR TEMPORARY TRAFFIC SIGNALS

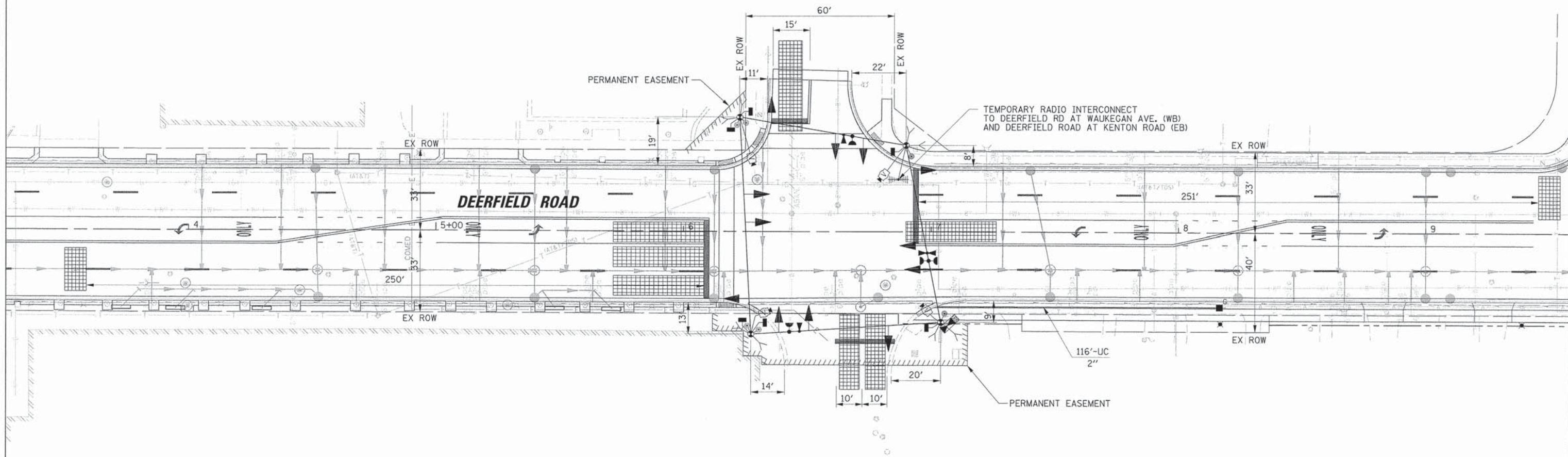
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



PLAN	DATE
REVISIONS	BY
NO.	DATE
NO.	DATE
NO.	DATE

PROFILE	DATE
REVISIONS	BY
NO.	DATE
NO.	DATE
NO.	DATE

ROSEMARY TERRACE



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).

USER NAME = jsitrsrk	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

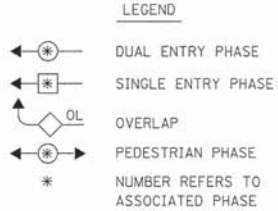
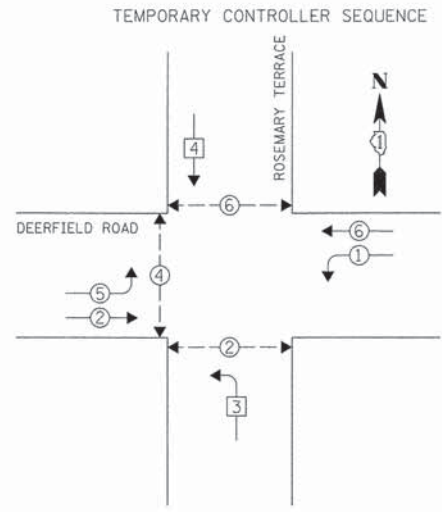
TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL STAGE  
DEERFIELD ROAD AND ROSEMARY TERRACE

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

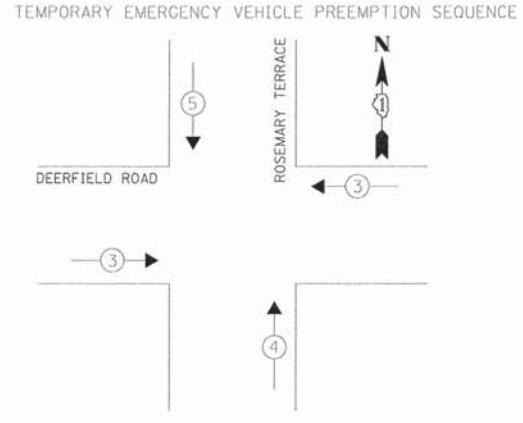
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	175
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
NO.	



TEMPORARY PHASE DESIGNATION DIAGRAM

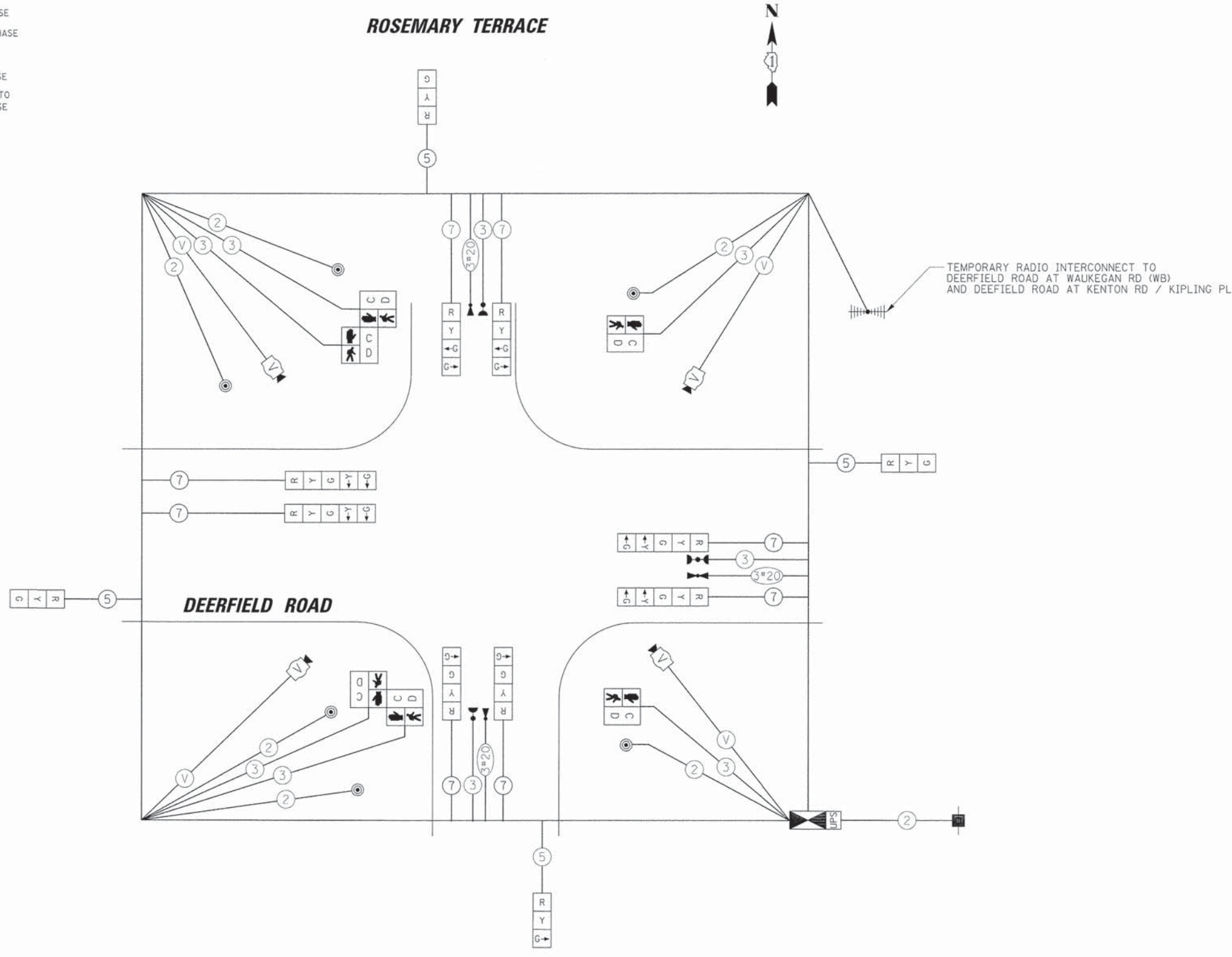


EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	←	↑	↓

TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	10	0.50	65.0
(YELLOW)	13	19	0.10	24.7
(GREEN)	18	11	0.40	79.2
ARROW	8	9	0.10	7.2
PED. SIGNAL	6	9	1.00	54.0
CONTROLLER	1	100	1.00	100.0
LUMINAIRE		250	0.50	
L.E.D. ST. NAME SIGN		64	0.50	
VIDEO SYSTEM	1	150	1.00	150.0
BATTERY BACKUP	1	25	1.00	25.0
FLASHER			0.50	
ENERGY COSTS TO:				TOTAL = 505.1

THE VILLAGE OF DEERFIELD  
 850 WAUKEGAN ROAD  
 DEERFIELD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



TEMPORARY CABLE PLAN  
 MOT STAGES EXISTING, 1, 2, AND FINAL

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLANNED	DRAWN - FPB	REVISED -
NOTED	CHECKED - GMZ	REVISED -
NO.	DATE - 8/30/2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

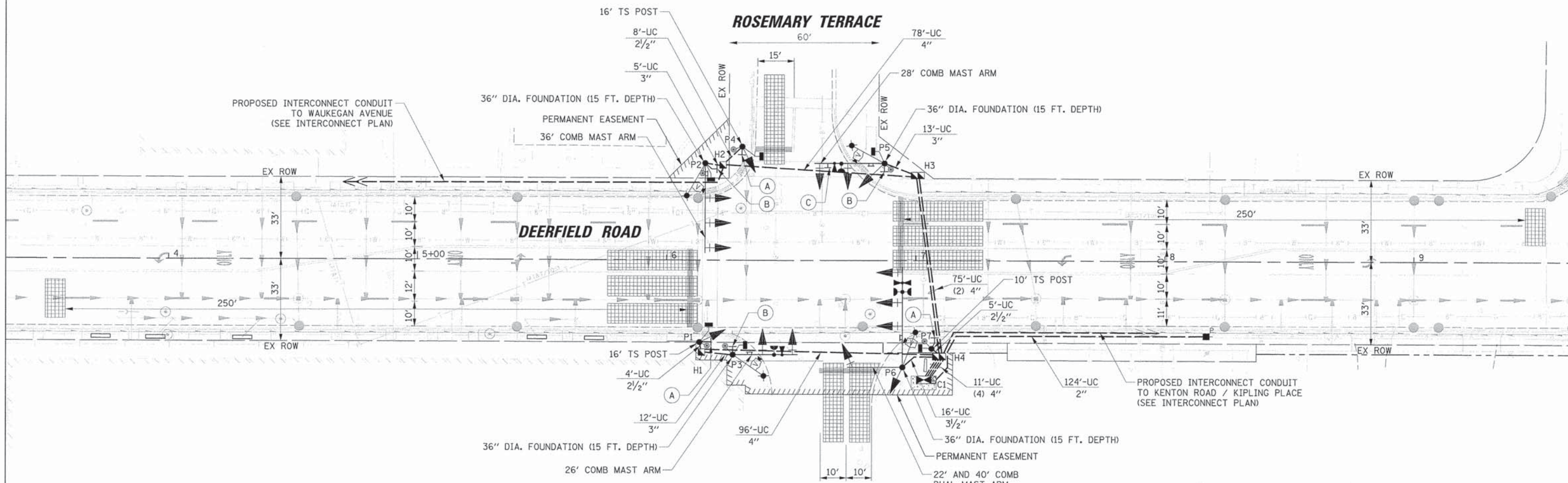
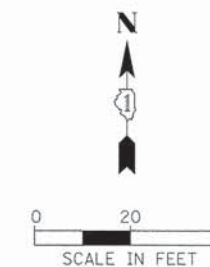
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE			
MOT STAGES EXISTING, 1, 2, AND FINAL			
DEERFIELD ROAD AND ROSEMARY TERRACE			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	176
CONTRACT NO. 63882				ILLINOIS FED. AID PROJECT

DATE	
BY	
REVIEWED	
NOTED	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	

DATE	
BY	
REVIEWED	
NOTED	
APPROVED	
PLANNING	
DESIGN	
CONSTRUCTION	

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).

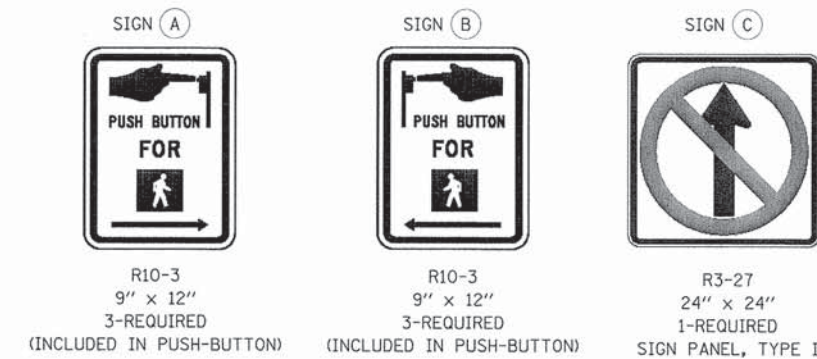


CONSTRUCTION NOTE:

- THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH IN THE PROPOSED CONTROLLER CABINET.

TRAFFIC SIGNAL EQUIPMENT DATA

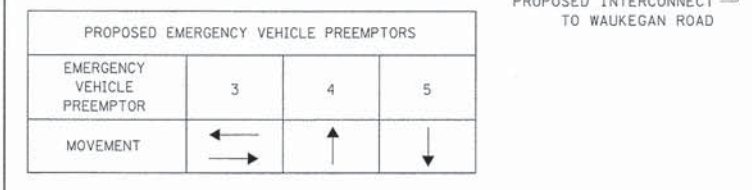
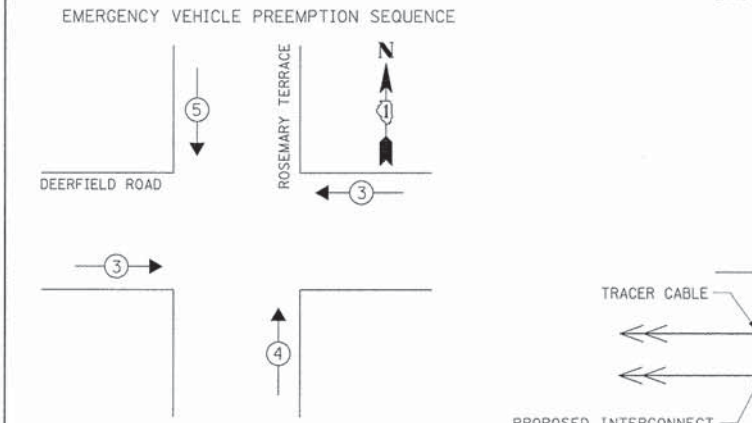
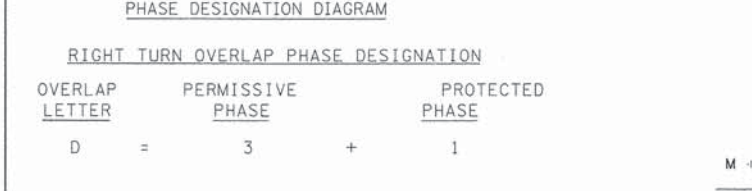
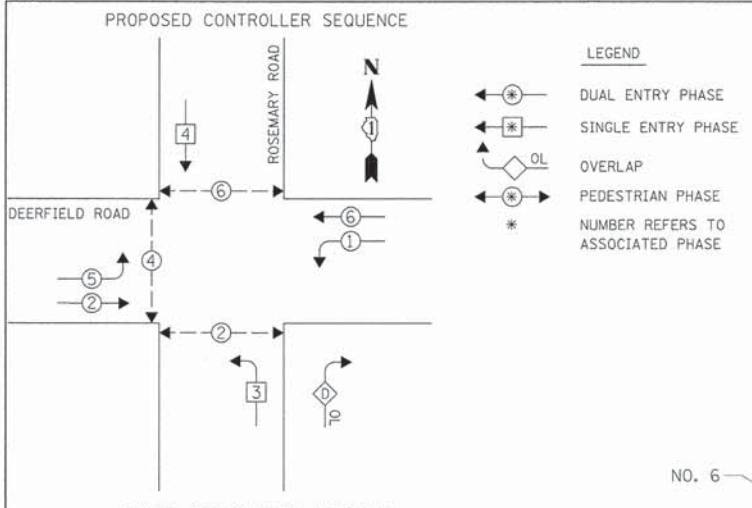
DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	6+13.19	32.92' RT	UNDERGROUND ELECTRIC
H1	6+14.07	36.97' RT	-
P2	6+15.36	39.00' LT	UNDERGROUND ELECTRIC
H2	6+22.44	38.26' LT	-
P3	6+26.60	37.92' RT	-
P4	6+30.21	45.68' LT	EX STORM SEWER
P5	6+87.23	39.07' LT	-
P6	6+94.67	42.79' RT	-
H3	7+00.54	34.24' LT	-
C1	7+03.30	47.78' RT	-
P7	7+06.33	35.33' RT	-
H4	7+09.38	38.47' RT	-



USER NAME = jstrick PLOT SCALE = 28' PLOT DATE = 8/38/2015	DESIGNED - EAJ DRAWN - FPB CHECKED - GMZ DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN</b> <b>DEERFIELD ROAD AND ROSEMARY TERRACE</b>	F.A.U. RTE. 1257 SECTION 11-00092-00-PV COUNTY LAKE TOTAL SHEETS 424 SHEET NO. 177 CONTRACT NO. 63882 ILLINOIS FED. AID PROJECT
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.					

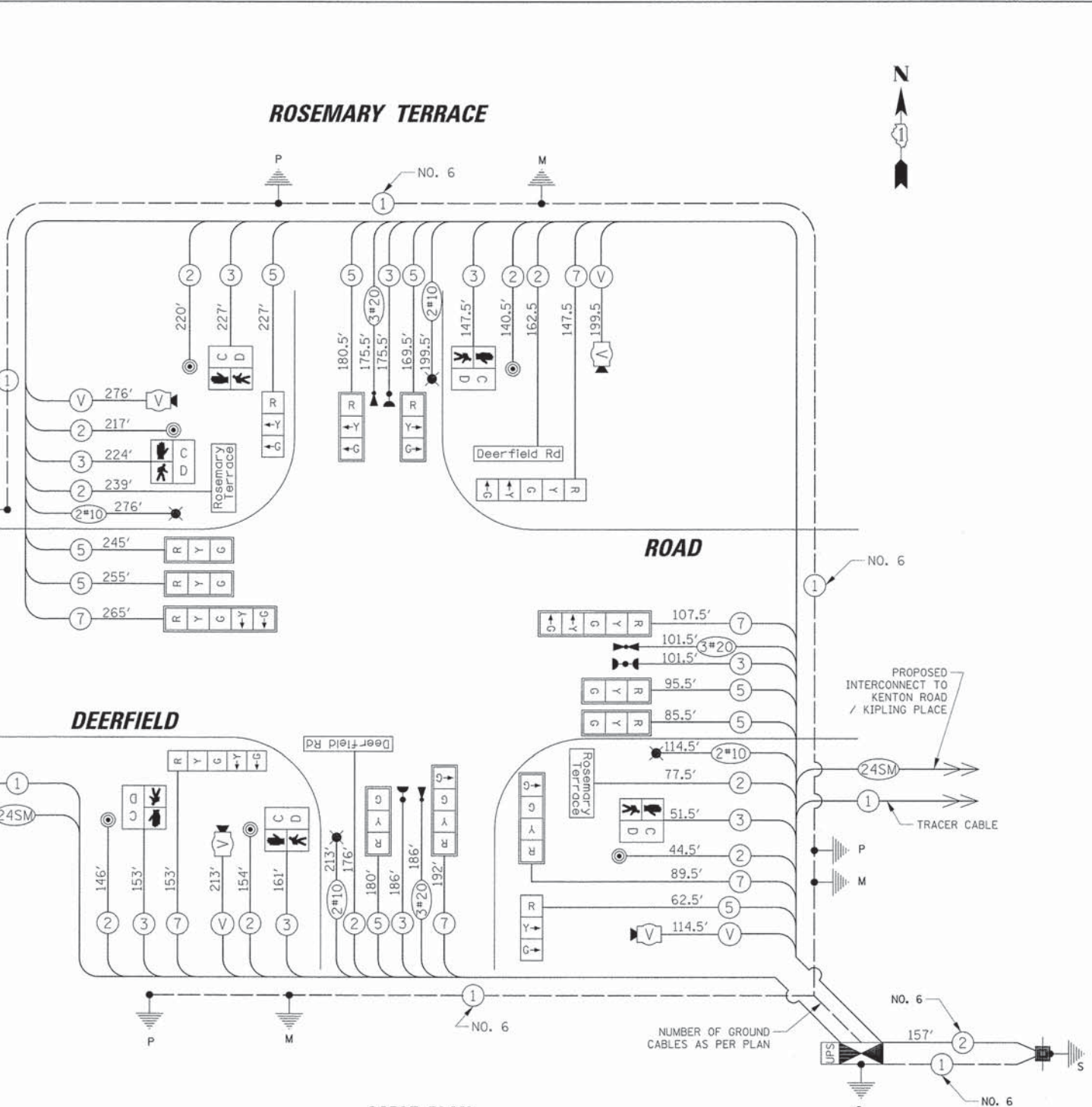
PLAN	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	

PROFILE	REVISION	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	



L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	15		10	0.50	75.0
(YELLOW)	15		19	0.10	28.5
(GREEN)	17		11	0.40	74.8
ARROW	8		9	0.10	7.2
PED. SIGNAL	6		9	1.00	54.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	4		250	0.50	500.0
L.E.D. ST. NAME SIGN	4		64	0.50	128.0
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER	-			0.50	
ENERGY COSTS TO:					TOTAL = 1142.5

THE VILLAGE OF DEERFIELD  
 850 WAUKEGAN ROAD  
 DEERFIELD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



**CABLE PLAN**

CONSTRUCTION NOTE:  
 ① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH IN THE PROPOSED CONTROLLER CABINET.

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

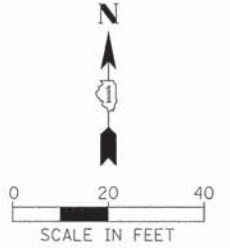
SCHEDULE OF QUANTITIES		
ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	4
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	124
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	17
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	368
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1606
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1577
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1427
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1501
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	955
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	157
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	533
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	463
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
LAYER II (DATALINK) SWITCH	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 22 FT. AND 40 FT. (SPECIAL)	EACH	1

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

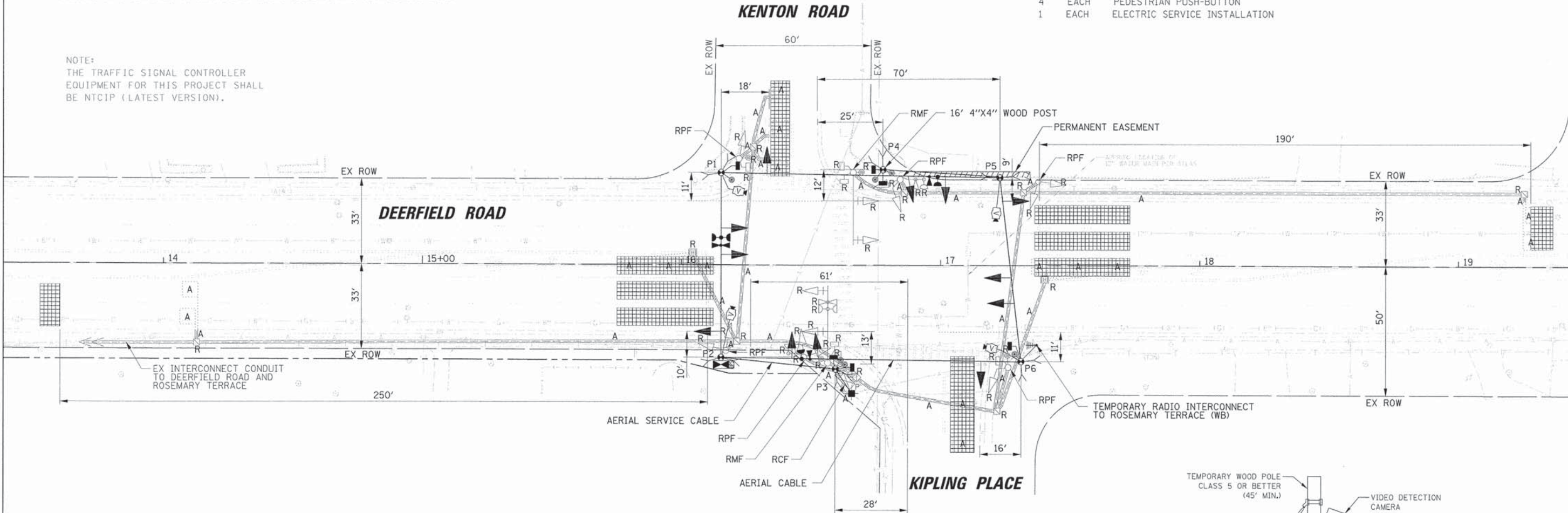
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 2 EACH STEEL MAST ARM AND POLE
- 6 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE INSTALLATION



PLAN	DATE
REVISIONS	BY
NO.	DATE

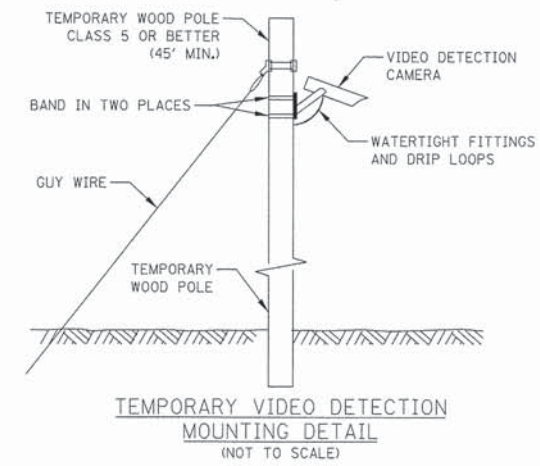
PROFILE	DATE
NO.	DATE

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	16+15.19	35.61' LT	-
P2	16+15.36	35.88' RT	AERIAL ELECTRIC
P3	16+59.48	40.24' RT	AERIAL ELECTRIC
P4	16+77.60	36.88' LT	UNDERGROUND TELEPHONE
P5	17+22.73	33.83' LT	-
P6	17+31.06	37.23' RT	UNDERGROUND TELEPHONE AND AERIAL ELECTRIC



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  
DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE

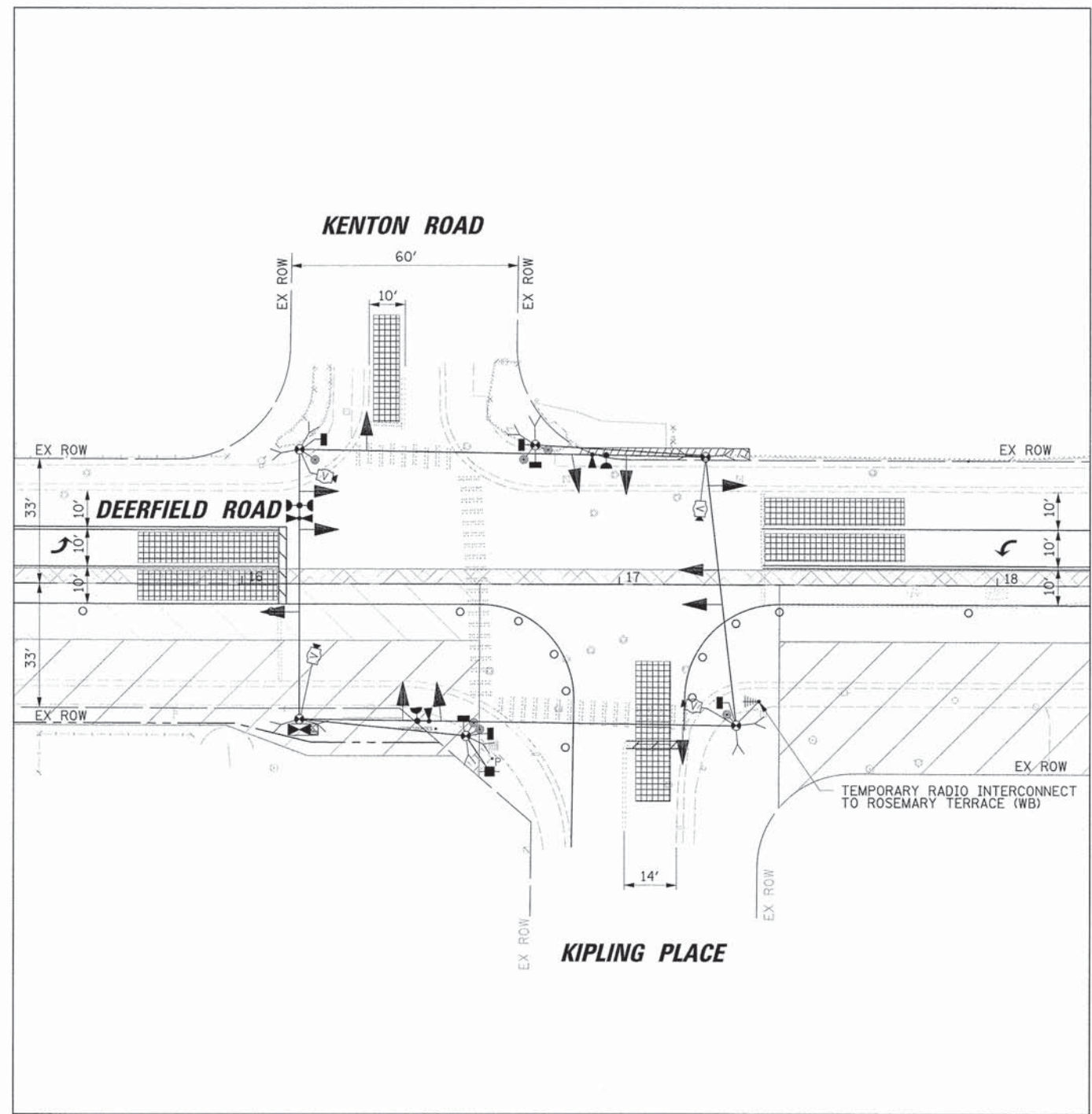
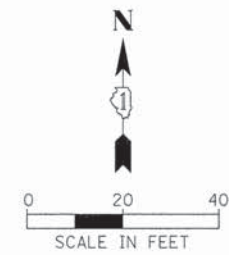
USER NAME = jsstrick	DESIGNED - EAJ	REVISED -
PLLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	179
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

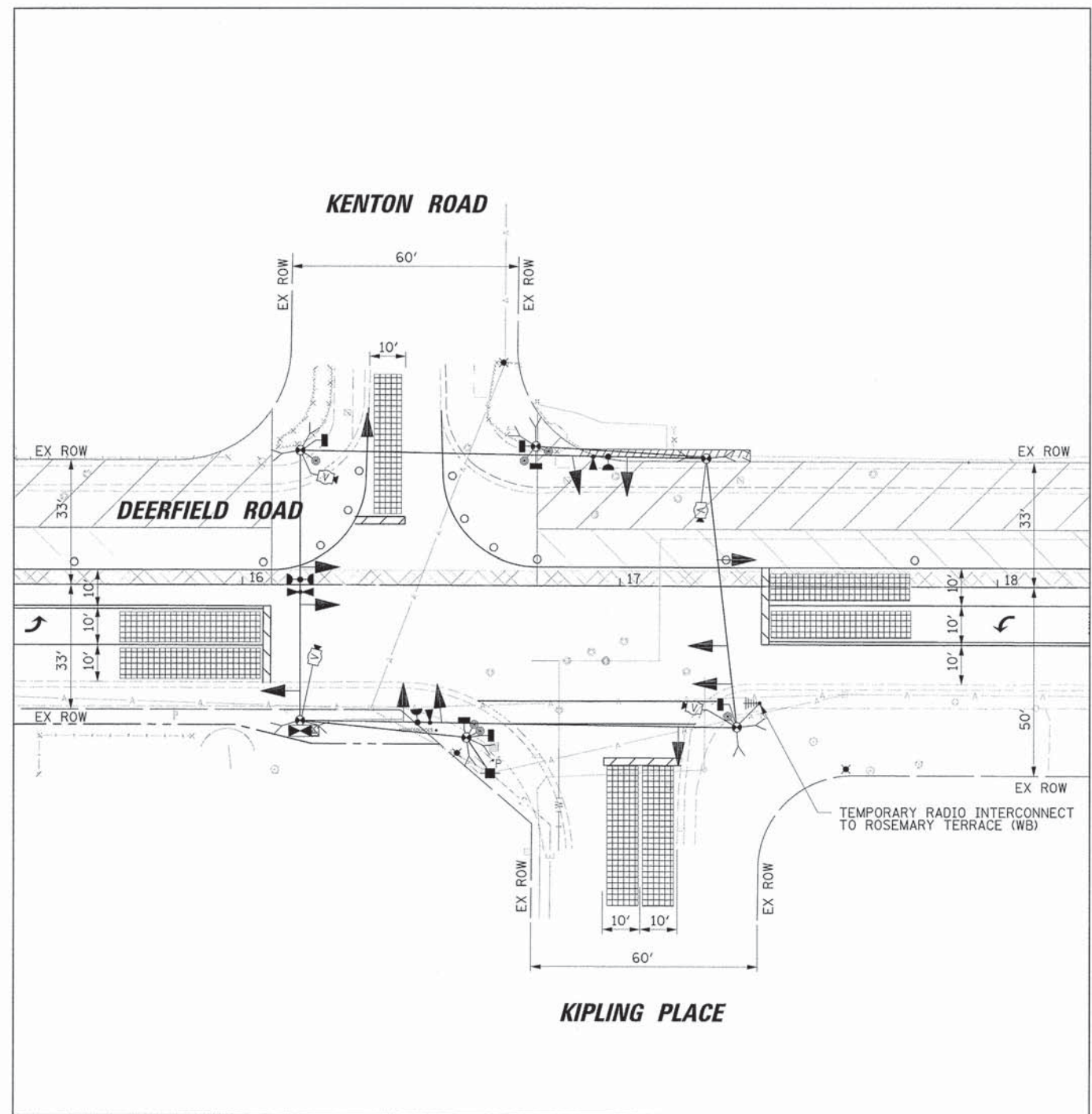
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

PLAN	SUBMITTED	DATE
	APPROVED	
	ALIGNMENT CHECKED	
	PLAN CHECKED	
	BY FILE NAME	

PROFILE	DESIGNED	DATE
	DRAWN	
	CHECKED	
	BY	
	STRUCTURE NOTATION CHECKED	



**STAGE 1**



**STAGE 2**

20'

USER NAME = jastriak	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
PLOT DATE = 6/30/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

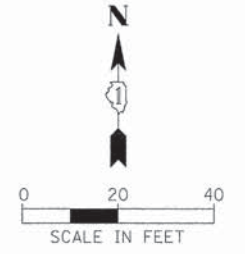
<b>STAGE 1 AND STAGE 2 TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE</b>			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 180
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				



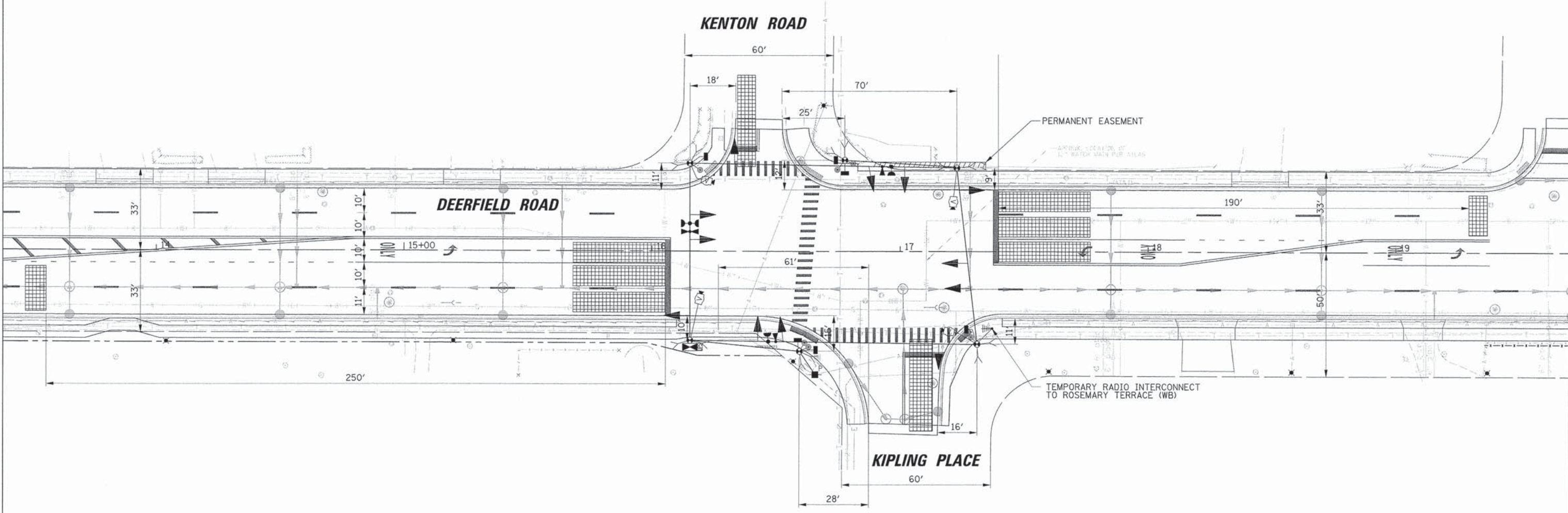
NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



PLAN	NO. REVISED	DATE
	NOTED	
	ALIGNED	
	CHECKED	
	DATE	
	FILE NAME	

PROFILE	NO. REVISED	DATE
	GRADES CHECKED	
	PLOTTED	
	DATE	
	FILE NAME	



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLLOT SCALE = 28'	CHECKED - GMZ	REVISED -
PLLOT DATE = 8/30/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM - FINAL STAGE  
DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE

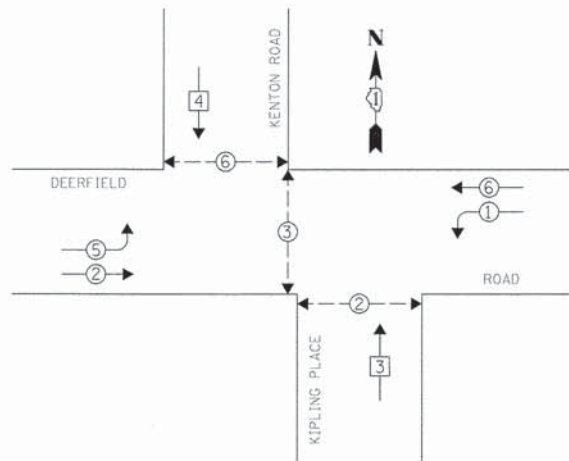
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	181
CONTRACT NO. 63882				
[ILLINOIS] FED. AID PROJECT				

DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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DATE	
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DATE	
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REVISIONS	
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REVISIONS	
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DATE	
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REVISIONS	
NO.	

TEMPORARY CONTROLLER SEQUENCE

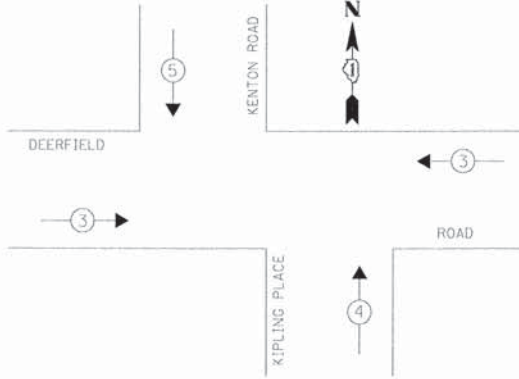


LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

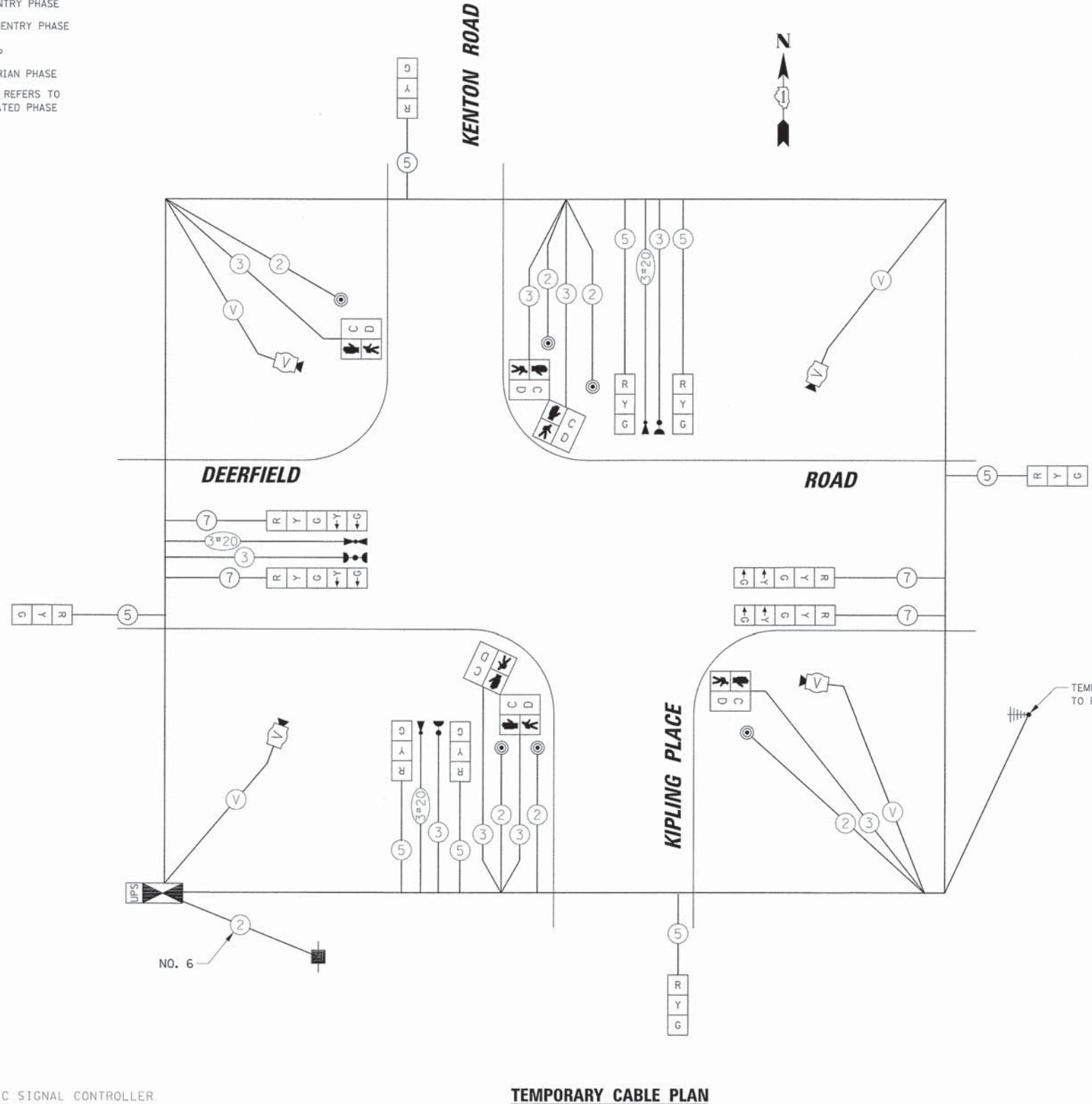


TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	←	↑	↓

L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12		10	0.50	60.0
(YELLOW)	12		19	0.10	22.8
(GREEN)	12		11	0.40	52.8
ARROW	8		9	0.10	7.2
PED. SIGNAL	6		9	1.00	54.0
CONTROLLER	1	100	1.00		100.0
LUMINAIRE		250	0.50		
L.E.D. ST. NAME SIGN		64	0.50		
VIDEO SYSTEM	1	150	1.00		150.0
BATTERY BACKUP	1	25	1.00		25.0
FLASHER			0.50		
ENERGY COSTS TO:					TOTAL = 471.8

THE VILLAGE OF DEERFIELD  
 850 WAUKEGAN ROAD  
 DEERFIELD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER  
 EQUIPMENT FOR THIS PROJECT SHALL  
 BE NTCIP (LATEST VERSION).



TEMPORARY CABLE PLAN

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

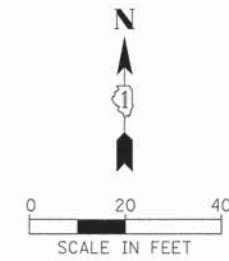
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE MOT STAGES EXISTING, 1, 2, AND FINAL DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE			
SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	182
CONTRACT NO. 63882				
[ILLINOIS] FED. AID PROJECT				

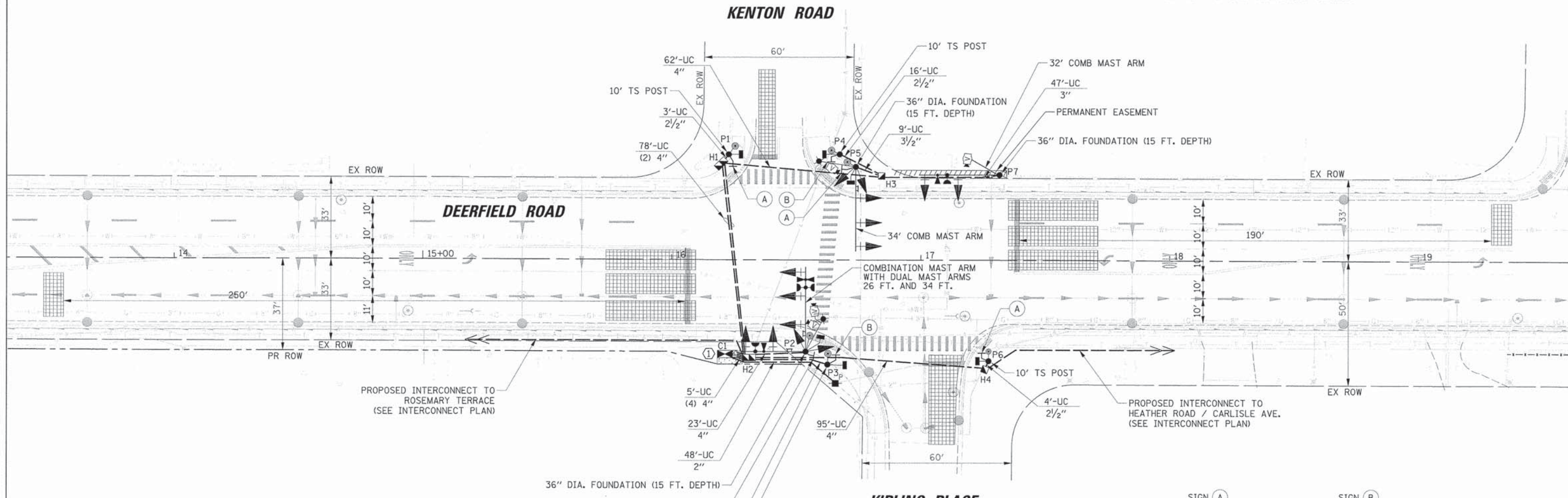
DATE	
BY	
REVIEWED	
NOTED	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVIEWED	
NOTED	
PROFILE	
NOTE BOOK	
NO.	

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).



① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH  
IN THE PROPOSED CONTROLLER CABINET.



PROPOSED INTERCONNECT TO  
ROSEMARY TERRACE  
(SEE INTERCONNECT PLAN)

PROPOSED INTERCONNECT TO  
HEATHER ROAD / CARLISLE AVE.  
(SEE INTERCONNECT PLAN)

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
H1	16+19.68	38.75' LT	-
C1	16+21.44	37.98' RT	-
P1	16+22.73	42.45' LT	-
H2	16+31.11	39.38' RT	-
P2	16+53.82	36.88' RT	AERIAL ELECTRIC
P3	16+62.59	42.09' RT	-
P4	16+67.27	42.56' LT	AERIAL ELECTRIC
P5	16+73.76	37.54' LT	UNDERGROUND TELEPHONE
H3	16+84.16	33.88' LT	UNDERGROUND TELEPHONE
H4	17+25.80	44.00' RT	UNDERGROUND 2" GAS LINE
P6	17+27.26	40.57' RT	UNDERGROUND 2" GAS LINE
P7	17+31.43	34.34' LT	EX STORM & SANITARY SEWER



R10-3E  
9" x 12"  
4-REQUIRED  
(INCLUDED IN PUSH-BUTTON)



R10-3E  
9" x 12"  
2-REQUIRED  
(INCLUDED IN PUSH-BUTTON)

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
PLOT SCALE = 20'	CHECKED - GMZ	REVISED -
PLOT DATE = 8/30/2015	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE

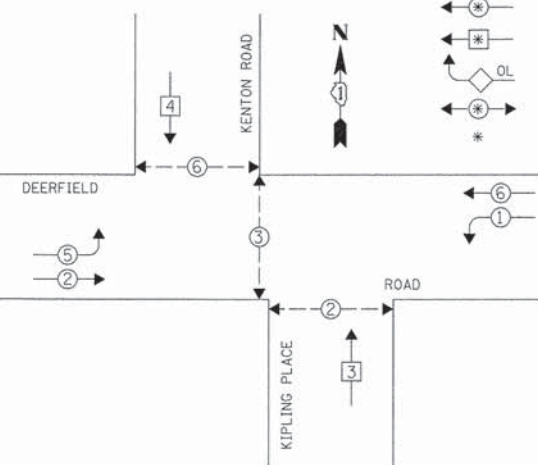
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	183
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

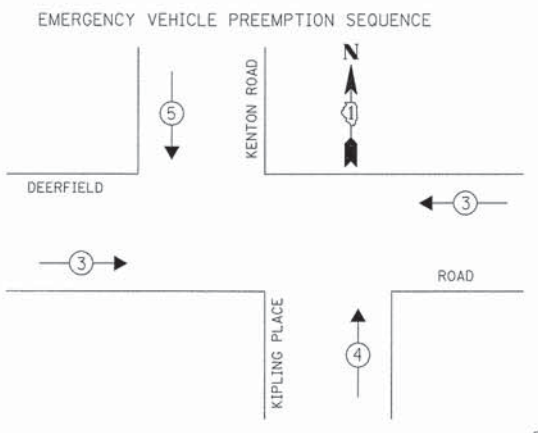
DATE	
BY	
PLAN	
NO.	
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DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

**PROPOSED CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**



**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	←	↑	↓

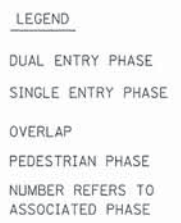
**L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14		10	0.50	70.0
(YELLOW)	14		19	0.10	26.6
(GREEN)	16		11	0.40	70.4
ARROW	8		9	0.10	7.2
PED. SIGNAL	6		9	1.00	54.0
CONTROLLER	1	100	1.00	100.0	
LUMINAIRE	3	250	0.50	375.0	
L.E.D. ST. NAME SIGN	4	64	0.50	128.0	
VIDEO SYSTEM	1	150	1.00	150.0	
BATTERY BACKUP	1	25	1.00	25.0	
FLASHER	-		0.50		

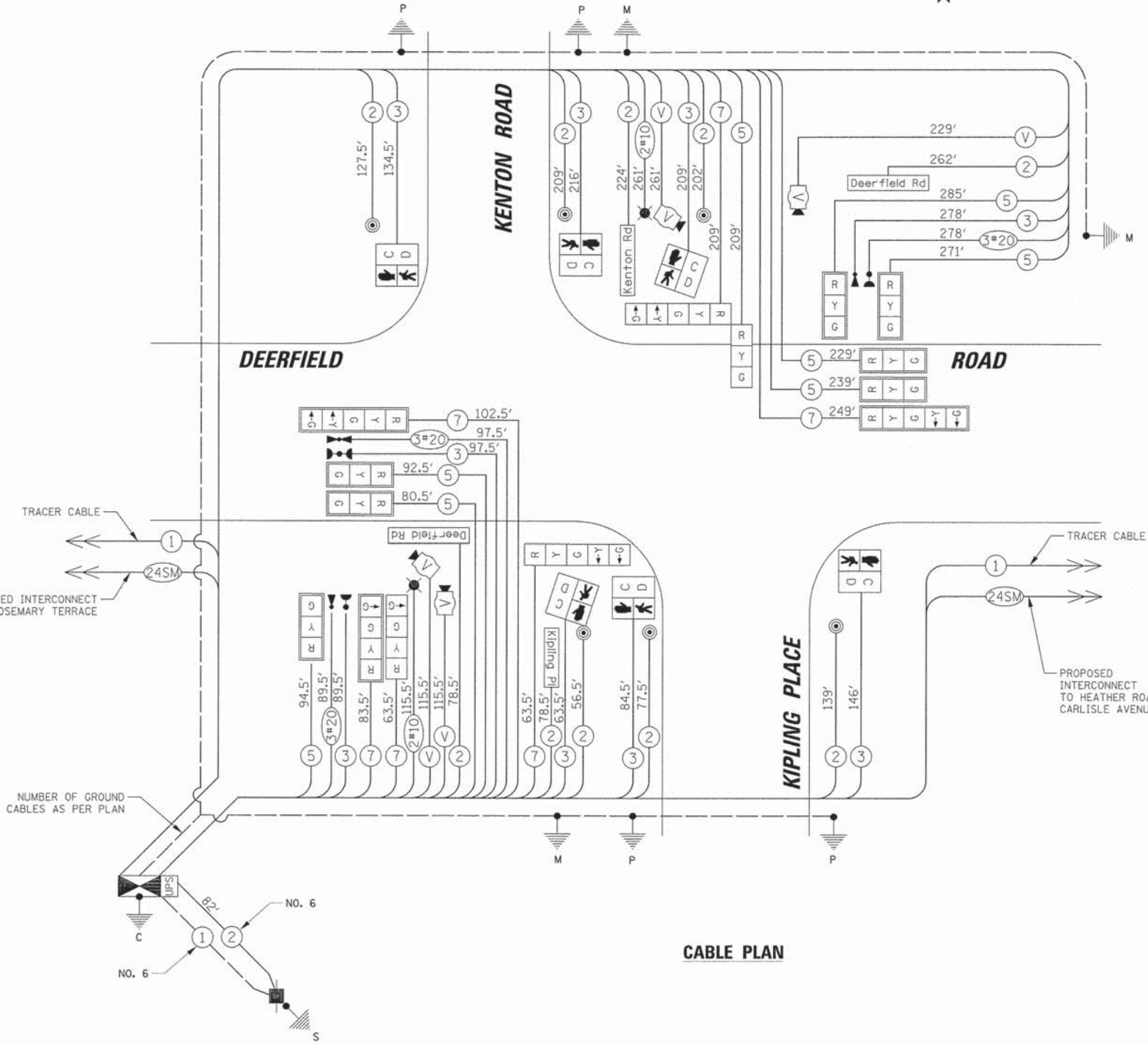
ENERGY COSTS TO: TOTAL = 1006.2

**THE VILLAGE OF DEERFIELD**

850 WAUKEGAN ROAD  
DEERFIELD, ILLINOIS 60015  
ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED



**NOTE:**  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



**CABLE PLAN**

**CONSTRUCTION NOTE:**

① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH IN THE PROPOSED CONTROLLER CABINET.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	67
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	47
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	9
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	356
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	753
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1455
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1319
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1501
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	771
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	82
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	491
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	465
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	4
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
LAYER II (DATALINK) SWITCH	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 26 FT. AND 34 FT. (SPECIAL)	EACH	1

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**

**DEERFIELD ROAD AND KENTON ROAD / KIPLING PLACE**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

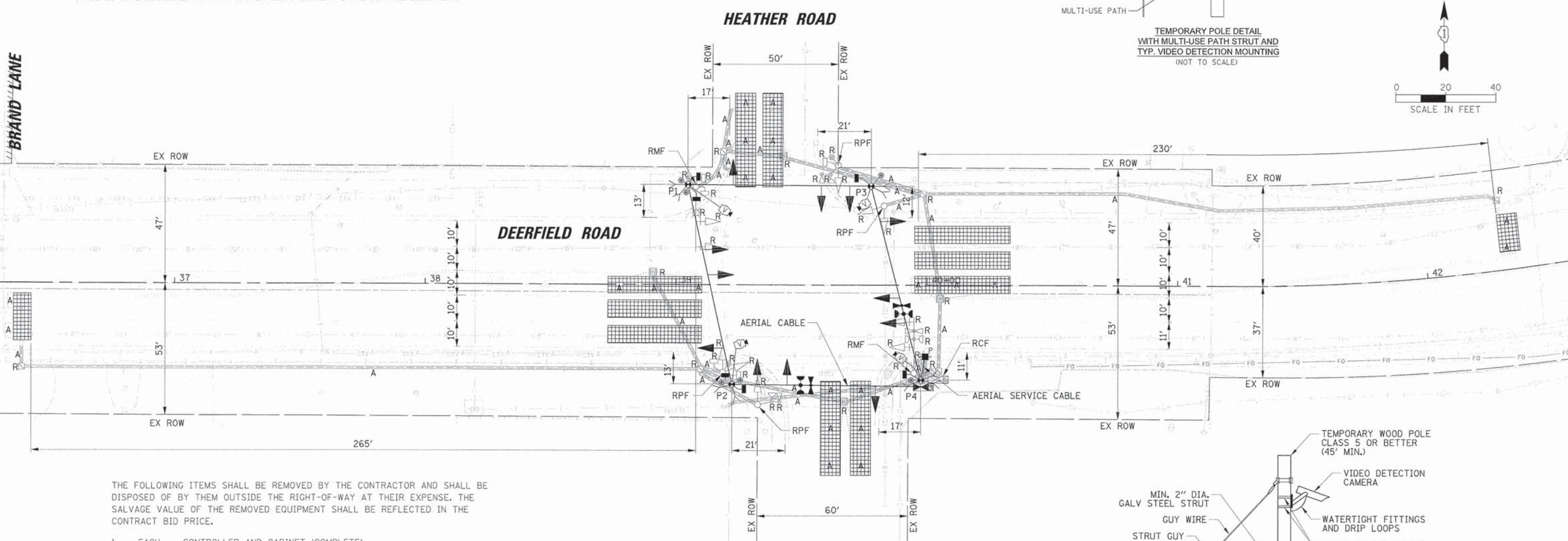
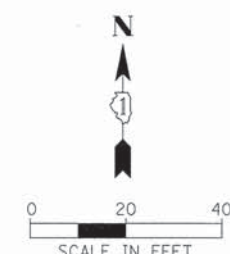
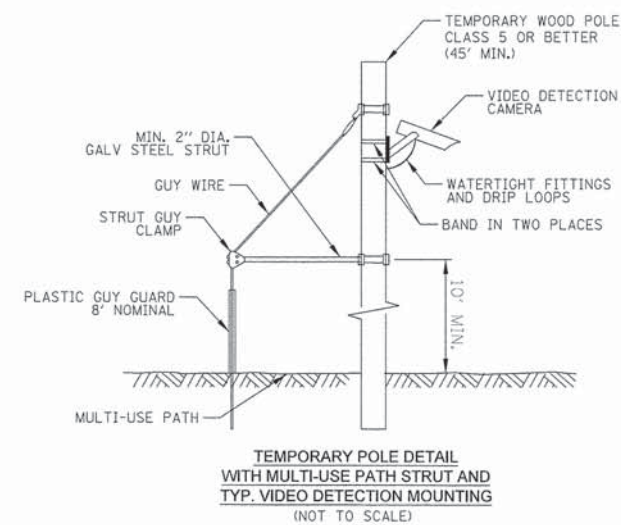
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	184
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

USER NAME = jstrock	DESIGNED - EAJ	REVISED -
PL.O.T SCALE = 20'	DRAWN - FPB	REVISED -
PL.O.T DATE = 07/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

NOTES FOR TEMPORARY TRAFFIC SIGNALS

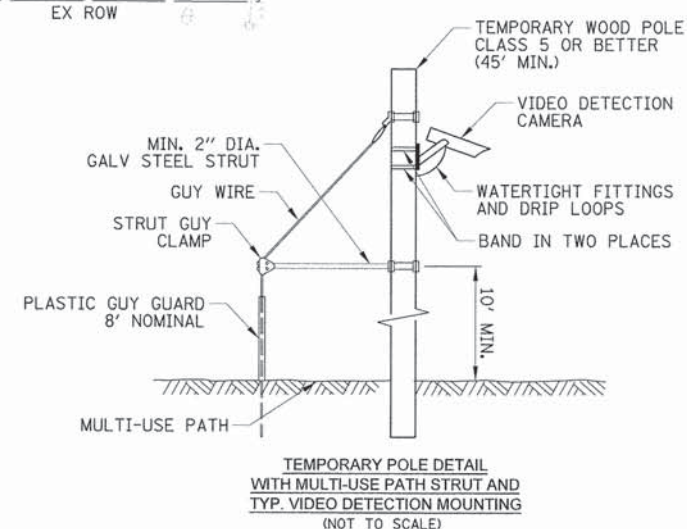
- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 3 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION
- 1 EACH STEEL MAST ARM AND POLE ASSEMBLY
- 1 EACH STEEL COMBINATION MAST ARM AND POLE ASSEMBLY
- 4 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE INSTALLATION

TRAFFIC SIGNAL EQUIPMENT DATA			
DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	39+04.66	39.89' LT	UNDERGROUND TELEPHONE AND 2" GAS LINE
P2	39+22.39	39.84' RT	STORM SEWER AND EX SIGNAL CONDUIT
P3	39+77.58	39.36' LT	-
P4	39+97.65	38.00' RT	EX SIGNAL CONDUIT



DATE	BY	REVISION

DATE	BY	REVISION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

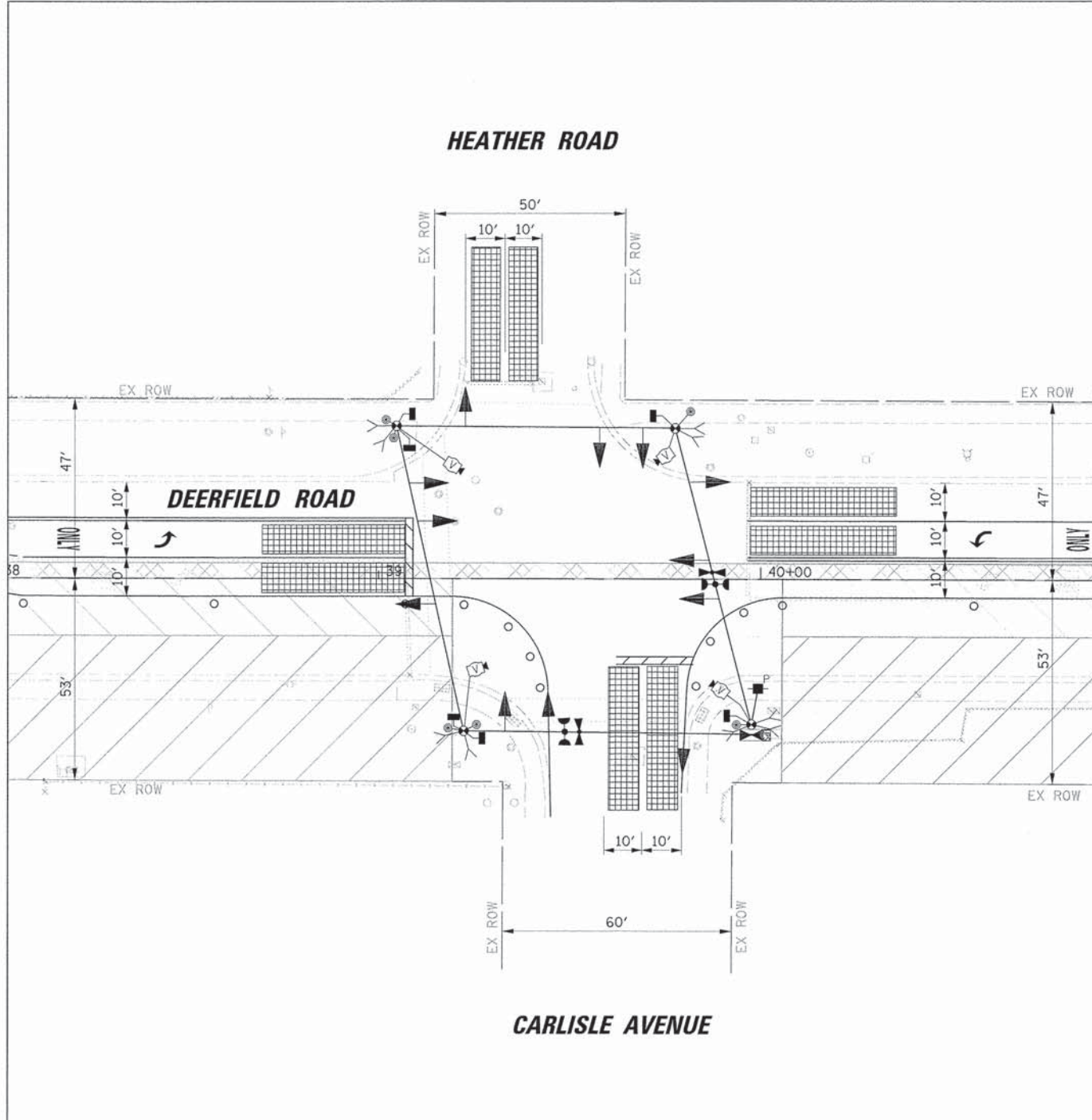
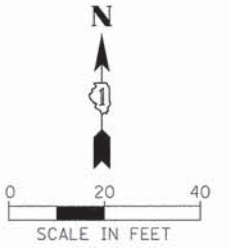
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT  
DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

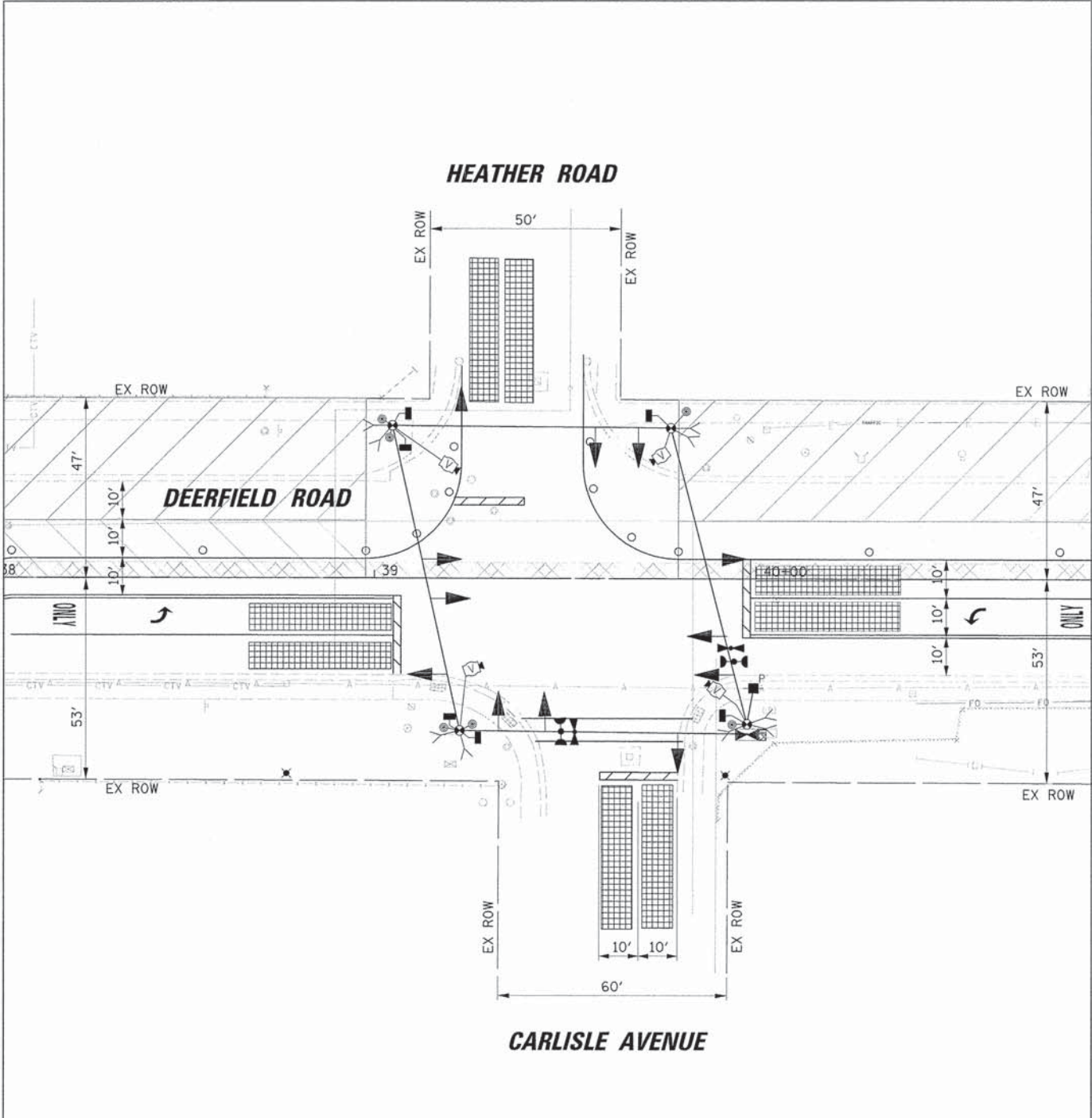
F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 185
SCALE: 1" = 20'				CONTRACT NO. 63882
SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

PLAN	DESIGNED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	DESIGNED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO. _____		
	STATUS		



STAGE 1



STAGE 2

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLDT SCALE = 20'	DRAWN - FPB	REVISED -
PLDT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

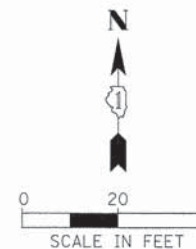
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGE 1 AND STAGE 2 TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 186
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

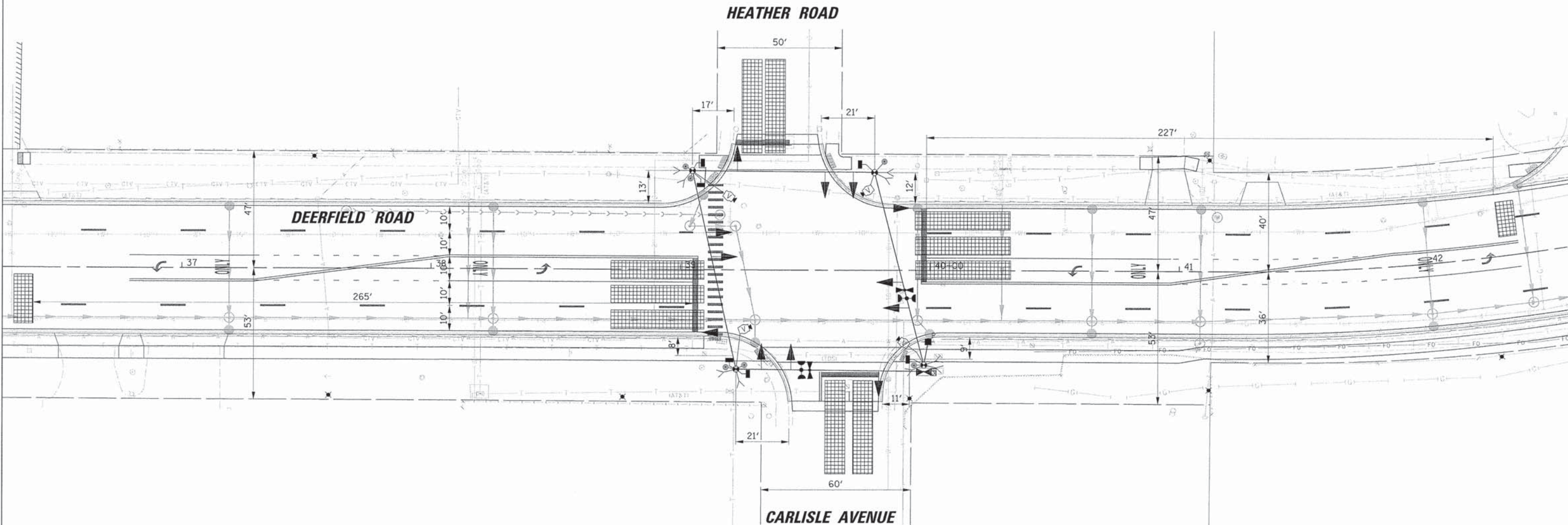
NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
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8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



PLAN	DESIGNED	DATE
	BY	
NOTE BOOK NO.	CHECKED	
	DATE	
	PLOTTED	
	DATE	
	FILE NAME	

PROFILE	DESIGNED	DATE
	BY	
NOTE BOOK NO.	CHECKED	
	DATE	
	PLOTTED	
	DATE	
	FILE NAME	



20'

USER NAME = jptrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

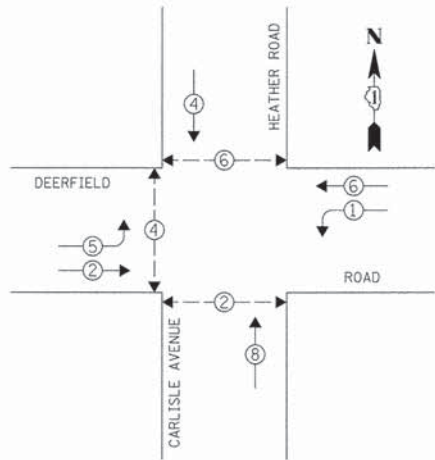
FINAL STAGE TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 187
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	

PROFILE	REVISIONS	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
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NO.	BY	
NO.	BY	
NO.	BY	

TEMPORARY CONTROLLER SEQUENCE

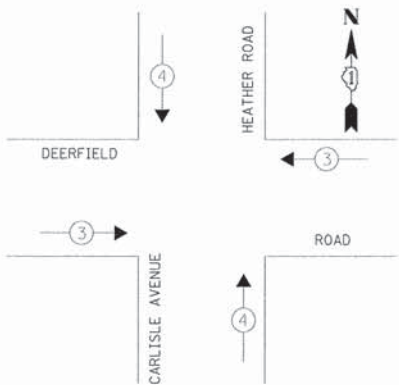


LEGEND

- ⊗ DUAL ENTRY PHASE
- ⊗ SINGLE ENTRY PHASE
- OL OVERLAP
- ⊗ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

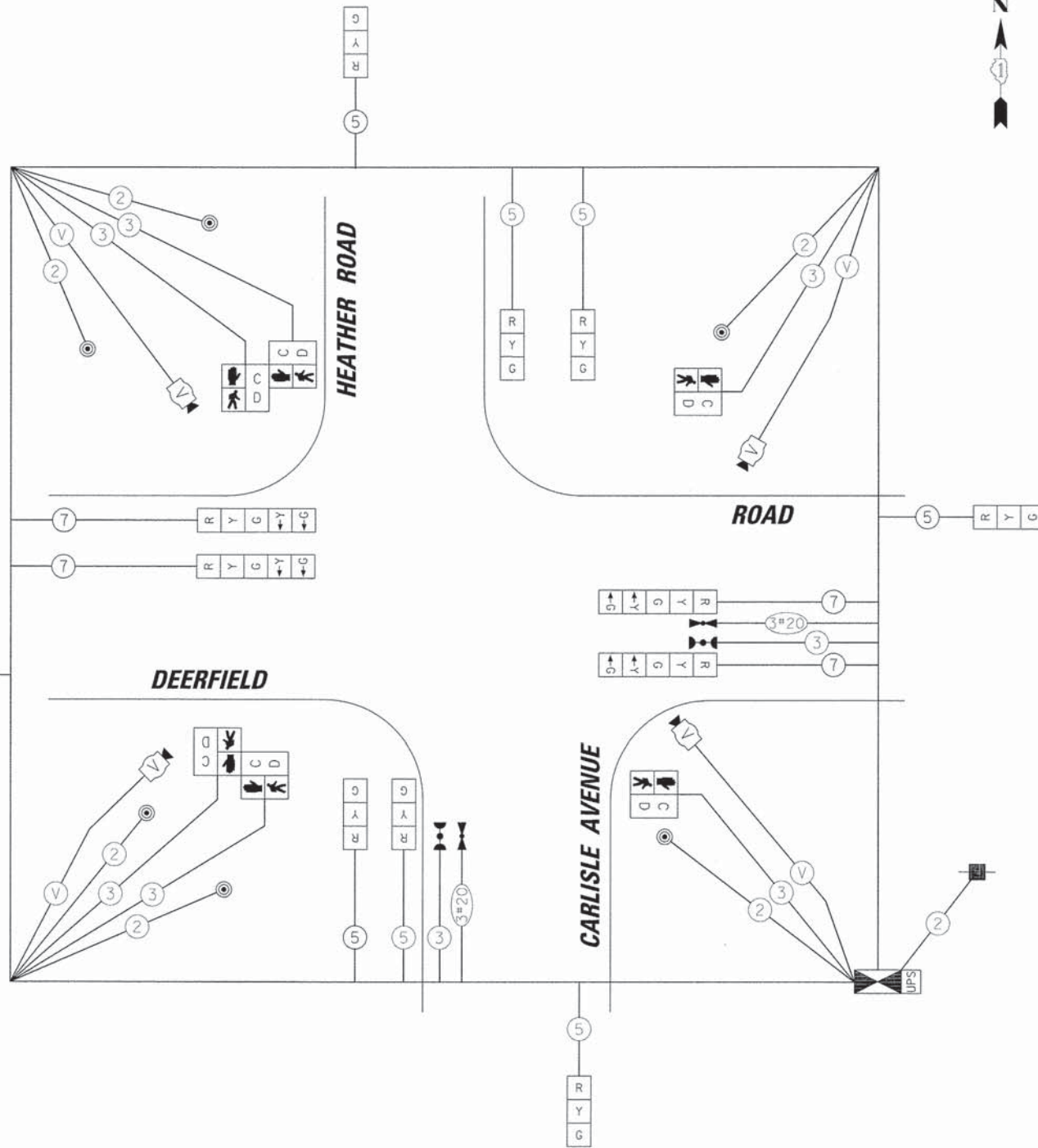
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		10	0.50	60.0
(YELLOW)	12		19	0.10	22.8
(GREEN)	12		11	0.40	52.8
ARROW	8		9	0.10	7.2
PED. SIGNAL	6		9	1.00	54.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE			250	0.50	
L.E.D. ST. NAME SIGN			64	0.50	
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	471.8

THE VILLAGE OF DEERFIELD  
850 WAUKEGAN ROAD  
DEERFIELD, ILLINOIS 60015  
ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
PHONE: (866) 639-3532  
COMPANY: COMED



TEMPORARY CABLE PLAN

USER NAME = jsb/trick	DESIGNED - EAJ	REVISED -
PLDT SCALE = 20'	DRAWN - FPB	REVISED -
PLDT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE			
MOT STAGES EXISTING, 1, 2, AND FINAL			
DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

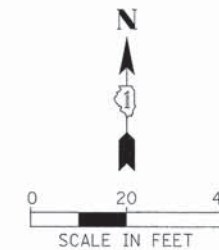
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	188
				CONTRACT NO. 63882
(ILLINOIS) FED. AID PROJECT				



PLAN	DESIGNED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	CONSTRUCTION CHECKED		
	ADD FILE NAME		
	NO.		

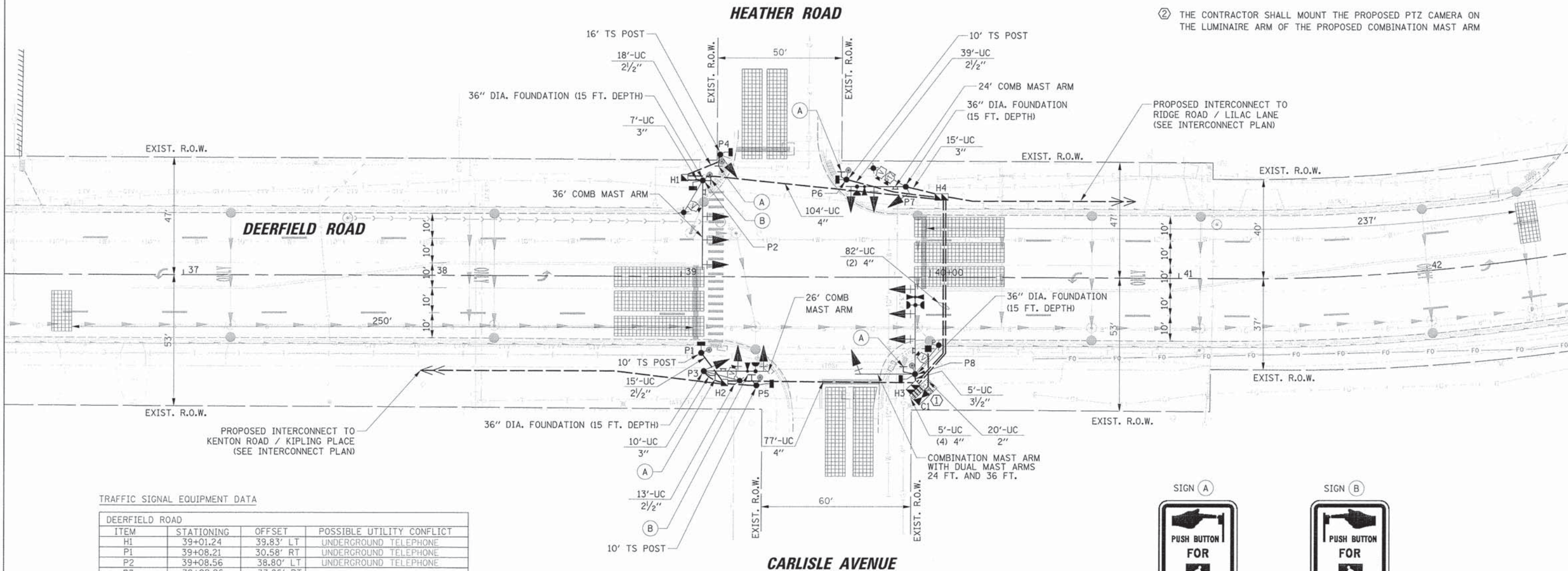
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- ② THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
H1	39+01.24	39.83' LT	UNDERGROUND TELEPHONE
P1	39+08.21	30.58' RT	UNDERGROUND TELEPHONE
P2	39+08.56	38.80' LT	UNDERGROUND TELEPHONE
P3	39+09.26	37.86' RT	-
P4	39+15.54	49.19' LT	-
H2	39+17.62	42.43' RT	EX STORM SEWER
P5	39+30.42	43.49' RT	EX STORM SEWER
P6	39+66.21	39.36' LT	-
P7	39+90.06	36.54' LT	-
H3	39+93.36	44.11' RT	-
P8	39+94.09	38.80' RT	UNDERGROUND 4\"/>



R10-3  
9" x 12"  
4-REQUIRED  
(INCLUDED IN PUSH-BUTTON)



R10-3  
9" x 12"  
2-REQUIRED  
(INCLUDED IN PUSH-BUTTON)

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE

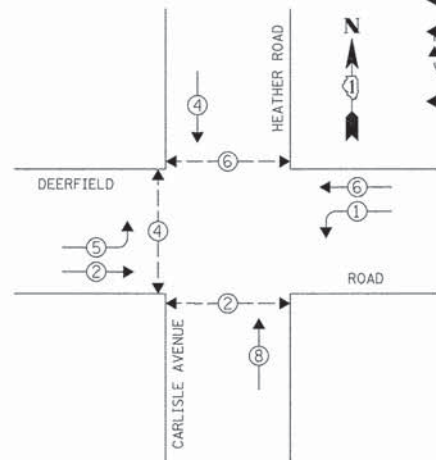
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	189
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
REVISIONS	
REVISIONS	

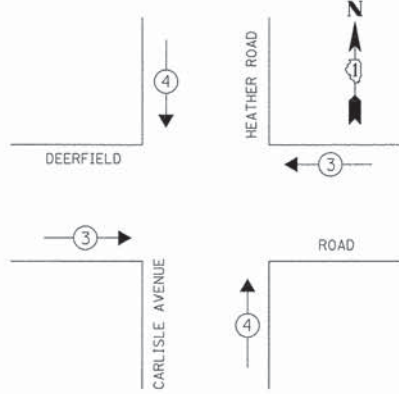
DATE	
BY	
REVISIONS	
REVISIONS	
REVISIONS	

**PROPOSED CONTROLLER SEQUENCE**



**PHASE DESIGNATION DIAGRAM**

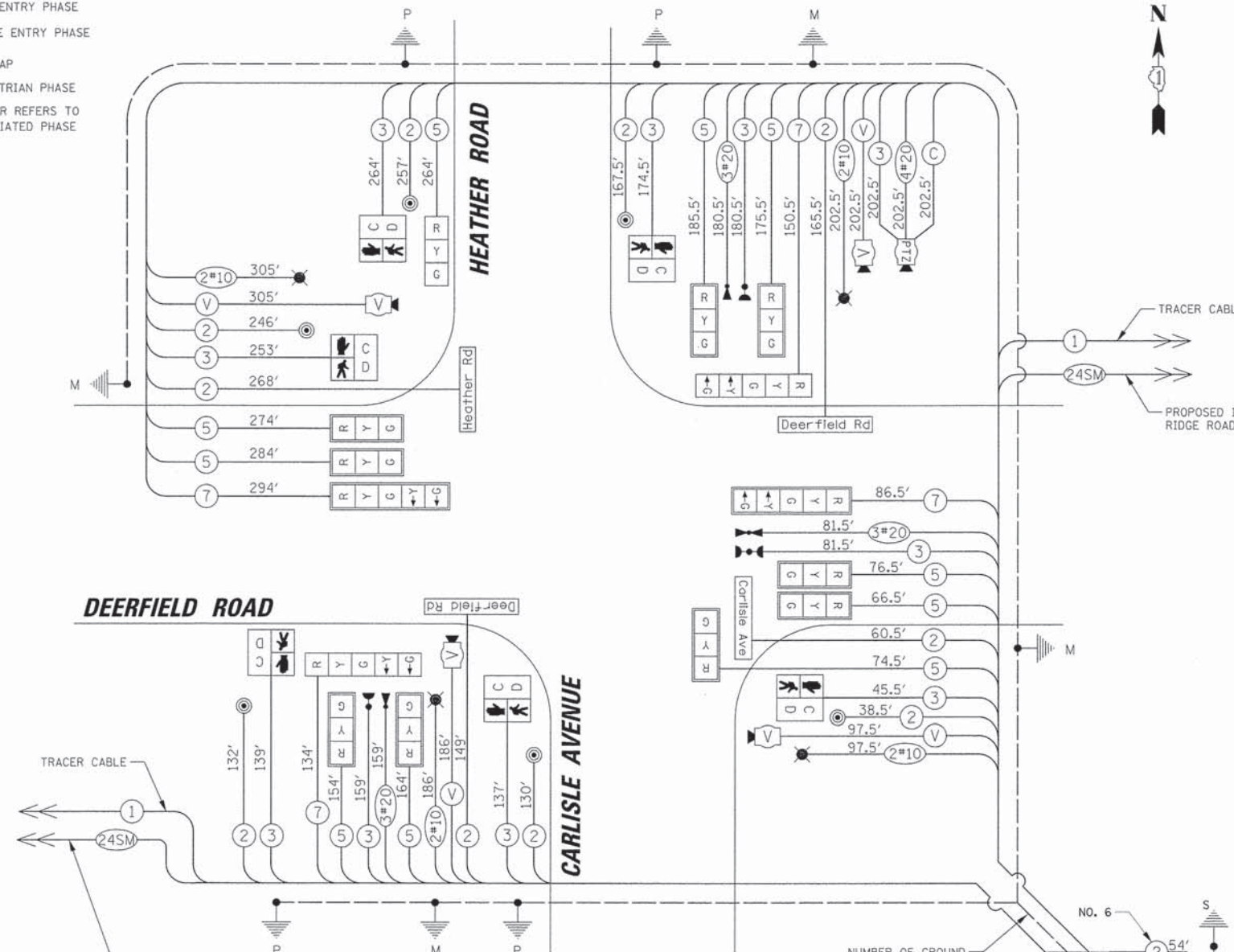
**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

**LEGEND**  
 ○ ⊕ ⊖ DUAL ENTRY PHASE  
 ○ ⊕ ⊖ SINGLE ENTRY PHASE  
 ⊕ ⊖ OL OVERLAP  
 ⊕ ⊖ PEDESTRIAN PHASE  
 \* NUMBER REFERS TO ASSOCIATED PHASE



**CABLE PLAN**

- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
  - ② THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	85
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	32
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	385
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1582
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1614
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1630
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1719
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	665
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	54
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	504
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	11
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	421
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	203
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	203
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	3
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATA/Link) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 36 FT. (SPECIAL)	EACH	1

TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	10	0.50		70.0
(YELLOW)	14	19	0.10		22.6
(GREEN)	14	11	0.40		61.6
ARROW	8	9	0.10		7.2
PED. SIGNAL	6	9	1.00		54.0
CONTROLLER	1	100	1.00		100.0
LUMINAIRE	4	250	0.50		500.0
L.E.D. ST. NAME SIGN	4	64	0.50		128.0
VIDEO SYSTEM	1	150	1.00		150.0
BATTERY BACKUP	1	25	1.00		25.0
FLASHER	-	-	0.50		-
<b>ENERGY COSTS TO:</b>					<b>TOTAL = 1118.4</b>

**THE VILLAGE OF DEERFIELD**

850 WAUKEGAN ROAD  
 DEERFIELD, ILLINOIS 60015  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED

DESIGNED - EAJ	REVISIONS
DRAWN - FPB	REVISIONS
CHECKED - GMZ	REVISIONS
DATE	REVISIONS

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE DEERFIELD ROAD AND HEATHER ROAD / CARLISLE AVENUE**

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 190
CONTRACT NO. 63882				
[ILLINOIS] FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 1 1/2" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

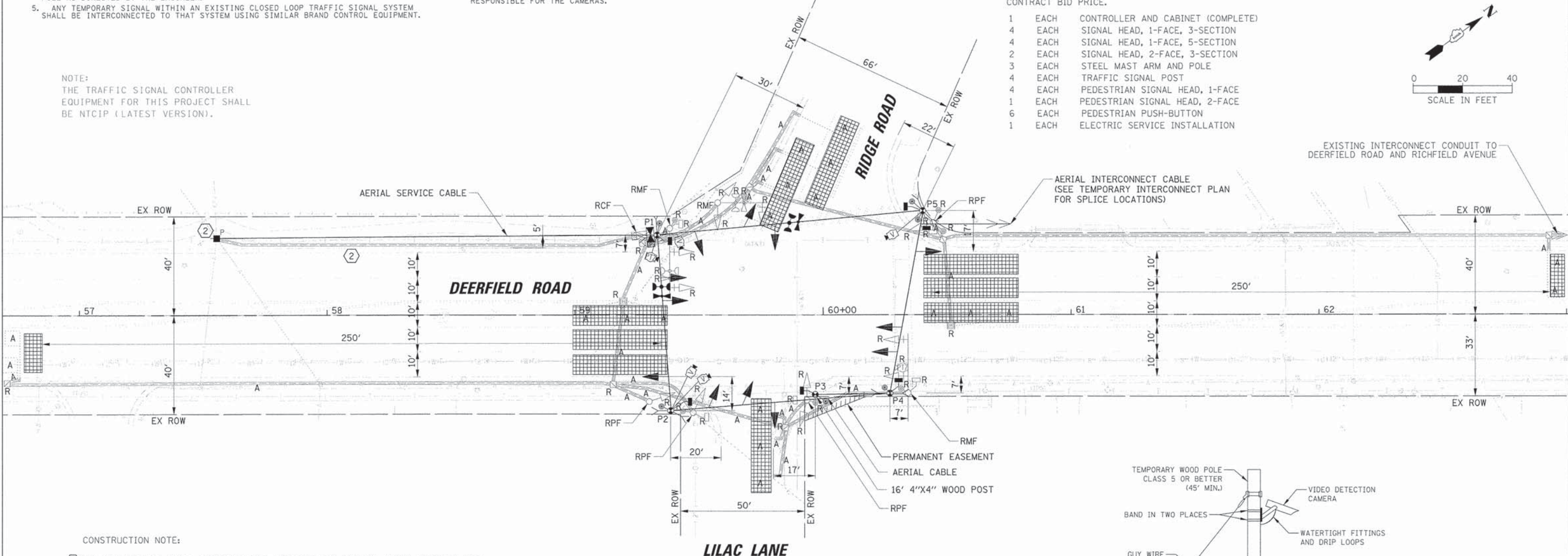
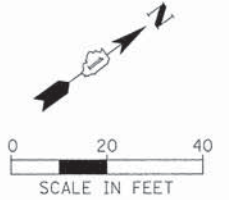
AGENCY: HIGHLAND PARK FIRE DEPARTMENT

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

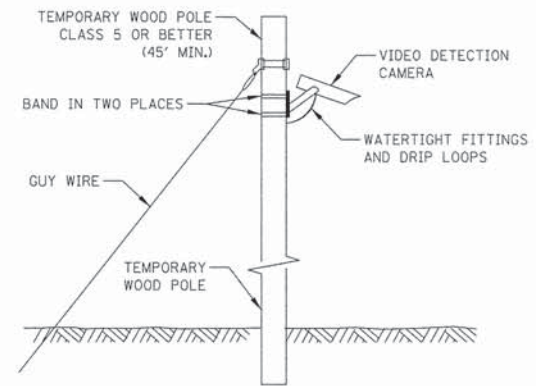
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
- 3 EACH STEEL MAST ARM AND POLE
- 4 EACH TRAFFIC SIGNAL POST
- 4 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 6 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH ELECTRIC SERVICE INSTALLATION

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



EXISTING INTERCONNECT CONDUIT TO DEERFIELD ROAD AND RICHFIELD AVENUE

AERIAL INTERCONNECT CABLE (SEE TEMPORARY INTERCONNECT PLAN FOR SPLICE LOCATIONS)



TEMPORARY VIDEO DETECTION MOUNTING DETAIL (NOT TO SCALE)

CONSTRUCTION NOTE:

- THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT (PTZ CAMERA, VIDEO ENCODER, AND LAYER II SWITCH) SHALL REMAIN THE PROPERTY OF LCDOT, AND THE CONTRACTOR SHALL ARRANGE THE EQUIPMENT'S DELIVERY AFTER THE PERMANENT TRAFFIC SIGNAL TURN-ON. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	59+33.15	32.38' LT	-
P2	59+38.51	38.60' RT	EXISTING STORM SEWER
P3	59+96.77	32.12' RT	UNDERGROUND TELEPHONE AND AERIAL ELECTRIC
P4	60+26.87	31.67' RT	EXISTING STORM SEWER AND AERIAL ELECTRIC
P5	60+40.11	42.05' LT	-

PLAN	REVISIONS	DATE
	NO.	
	DESCRIPTION	
	BY	
	CHECKED	
	DATE	

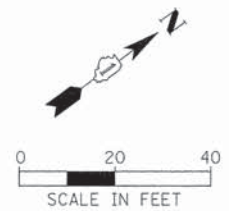
PROFILE	REVISIONS	DATE
	NO.	
	DESCRIPTION	
	BY	
	CHECKED	
	DATE	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT DEERFIELD ROAD AND RIDGE ROAD / LILAC LANE

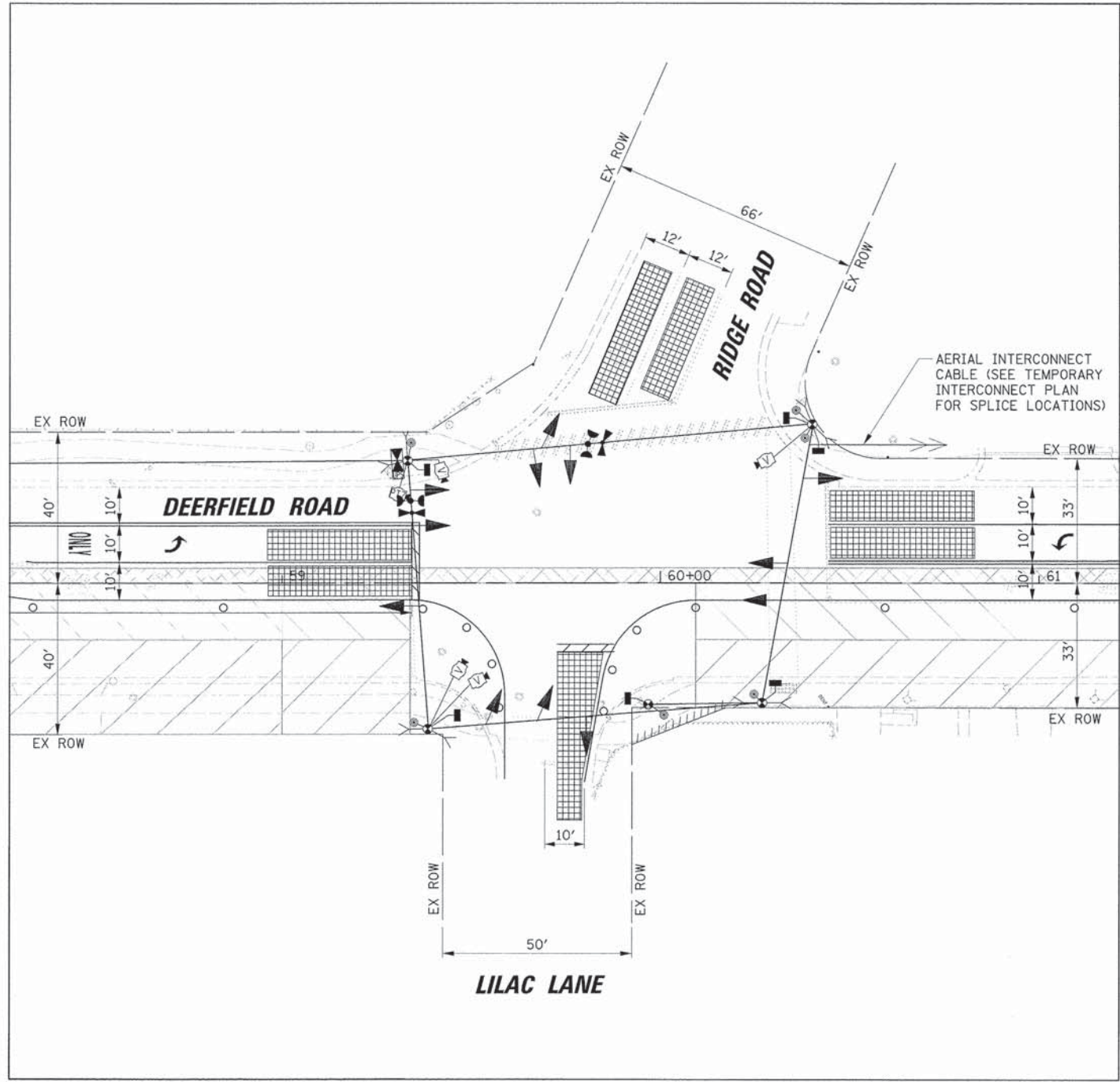
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	191
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

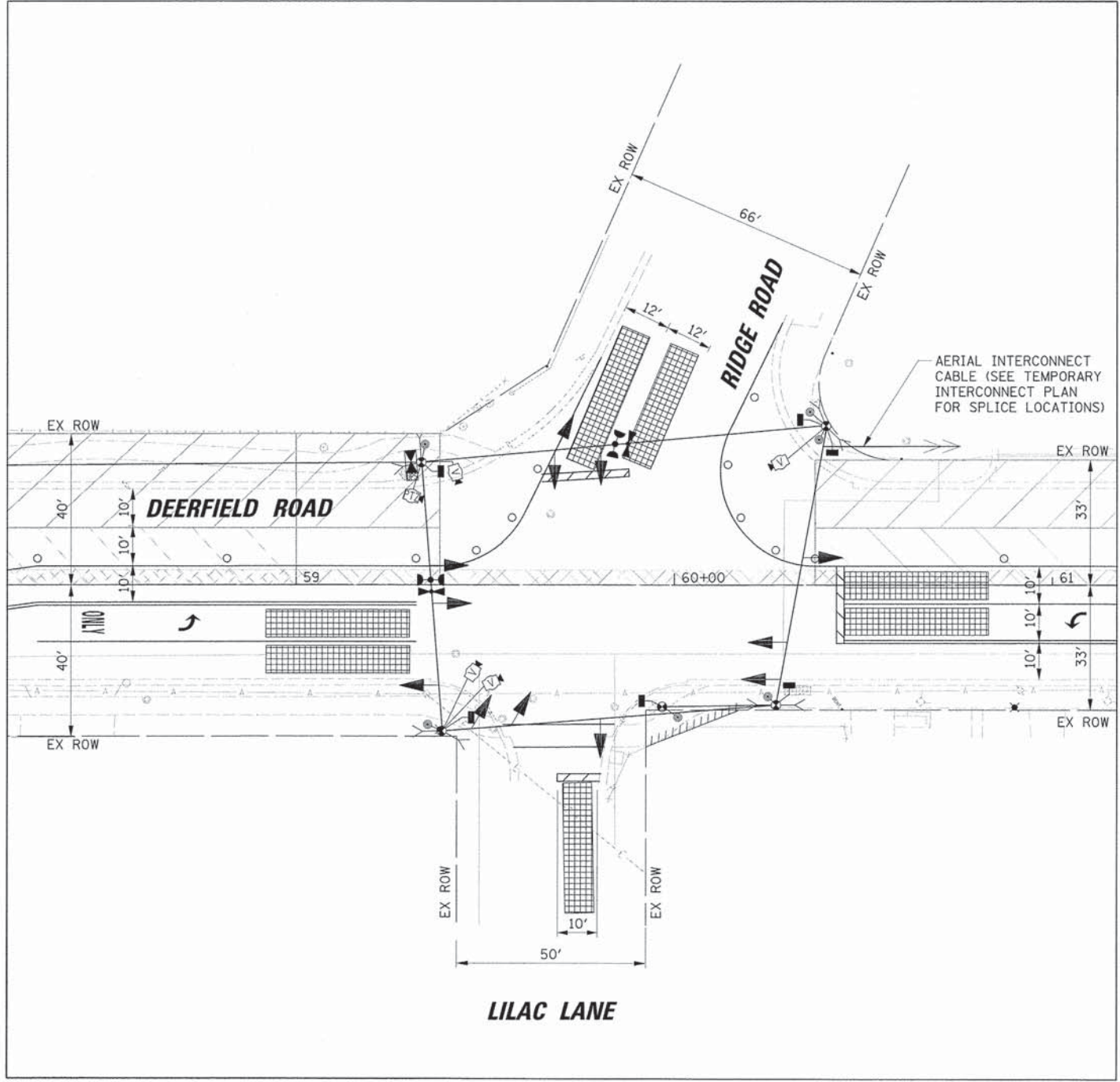


PLAN	REVISIONS	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	FIELD FILE NAME		

PROFILE	REVISIONS	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	PLOTTED		
	FIELD FILE NAME		



**STAGE 1**



**STAGE 2**

USER NAME = jstsrak	DESIGNED - EAJ	REVISED -
PLDT SCALE = 20'	DRAWN - FPB	REVISED -
PLDT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE	REVISED -

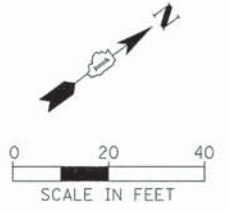
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

STAGE 1 AND STAGE 2 TEMPORARY TRAFFIC SIGNAL STAGING DIAGRAM DEERFIELD ROAD AND RIDGE ROAD / LILAC LANE			
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 192
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

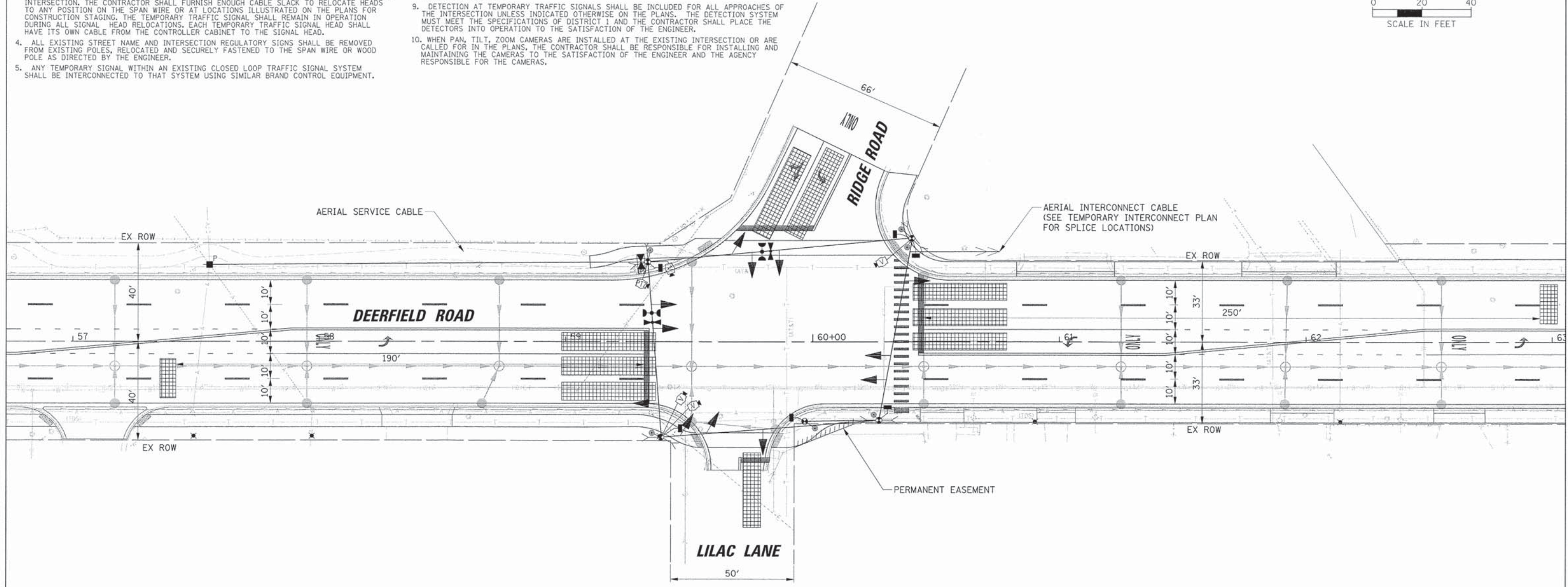
NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
NOTED	DATE
NOTE BOOK NO.	ADD FILE NAME

PROFILE	DATE
SURVEYED	BY
PLOTTED	DATE
NOTED	DATE
NOTE BOOK NO.	STRUCTURE NOTATIONS 0-100



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

20'

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
PLLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

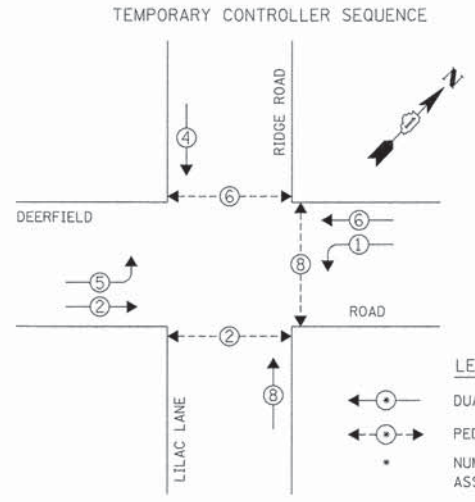
TEMPORARY TRAFFIC SIGNAL INSTALLATION - FINAL STAGE  
DEERFIELD ROAD AND RIDGE ROAD / LILAC LANE

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 193
				CONTRACT NO. 63882
ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
NO.	
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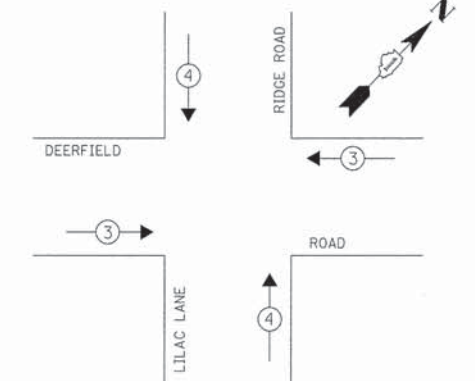
PROFILE	DATE
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	



**LEGEND**  
 ←•→ DUAL ENTRY PHASE  
 ←•→ PEDESTRIAN PHASE  
 • NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

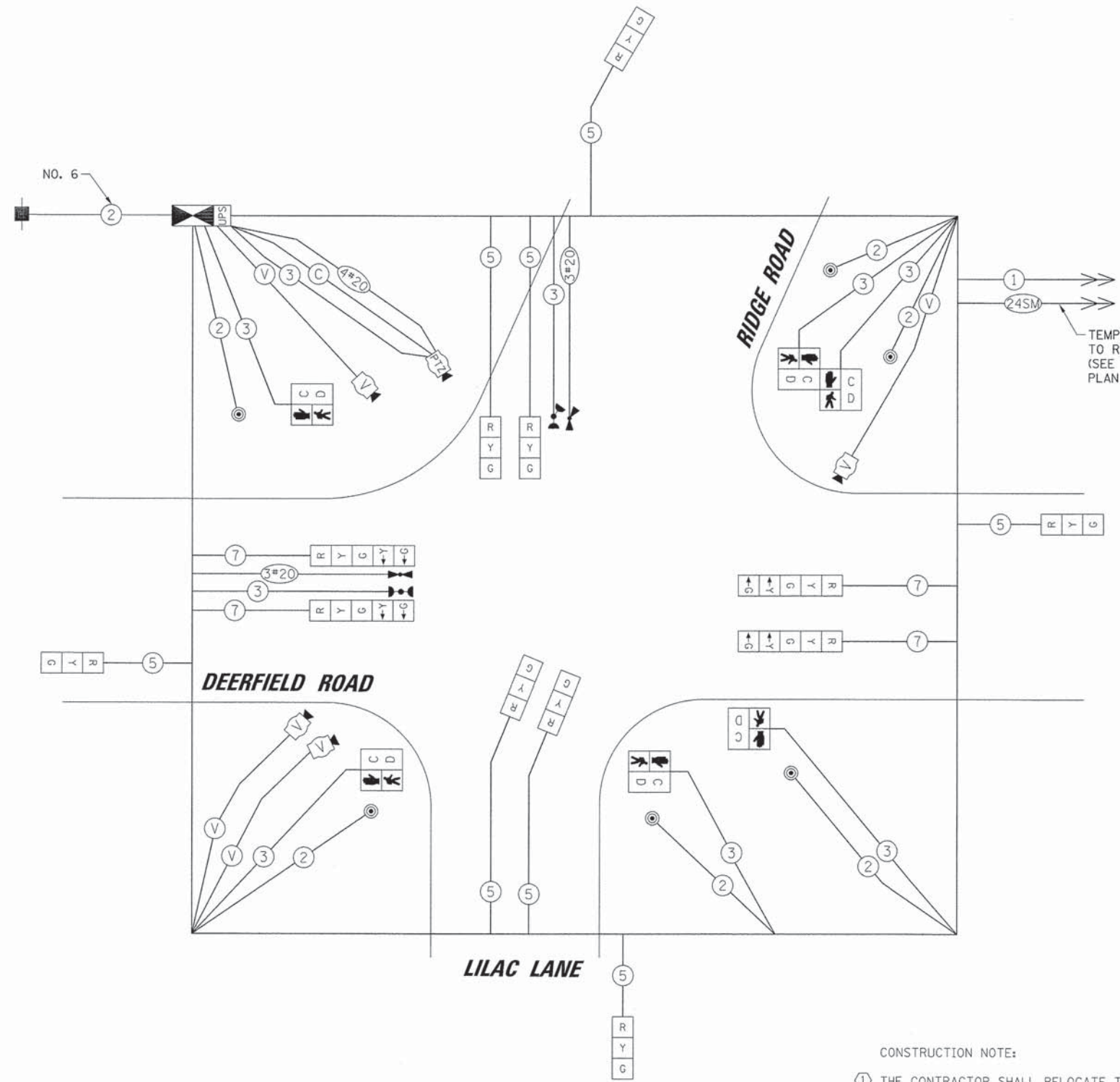


TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE	
TYPE	NO. OF LAMPS	WATTAGE	INCAND.	LED	% OPERATION	
SIGNAL (RED)	12			10	0.50	60.0
(YELLOW)	12			19	0.10	22.8
(GREEN)	12			11	0.40	52.8
ARROW	8			9	0.10	7.2
PED. SIGNAL	6			9	1.00	54.0
CONTROLLER	1			100	1.00	100.0
LUMINAIRE				250	0.50	
L.E.D. ST. NAME SIGN				64	0.50	
VIDEO SYSTEM	1			150	1.00	150.0
BATTERY BACKUP	1			25	1.00	25.0

ENERGY COSTS TO: TOTAL = 471.8  
**CITY OF HIGHLAND PARK**  
 1707 ST. JOHNS AVENUE  
 HIGHLAND PARK, IL 60035-3593  
 ENERGY SUPPLY CONTACT: JEAN WILL  
 PHONE: (847) 816-5459  
 COMPANY: COMED

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



TEMPORARY FIBER INTERCONNECT TO RICHFIELD ROAD (NB)  
 (SEE TEMPORARY INTERCONNECT PLAN FOR SPLICE LOCATIONS)

CONSTRUCTION NOTE:

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT (PTZ CAMERA, VIDEO ENCODER, AND LAYER II SWITCH) SHALL REMAIN THE PROPERTY OF LCDOT, AND THE CONTRACTOR SHALL ARRANGE THE EQUIPMENT'S DELIVERY AFTER THE PERMANENT TRAFFIC SIGNAL'S TURN-ON. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY CABLE PLAN

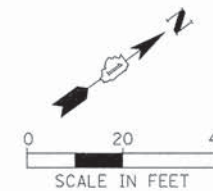
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MOT STAGES EXISTING, 1, 2, AND FINAL				1257	11-00092-00-PV	LAKE	424	194
DEERFIELD ROAD AND RIDGE ROAD / LILAC LANE				SCALE: N.T.S.		SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 63882
								ILLINOIS FED. AID PROJECT

DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
CHECKED	
APPROVED	
DATE	

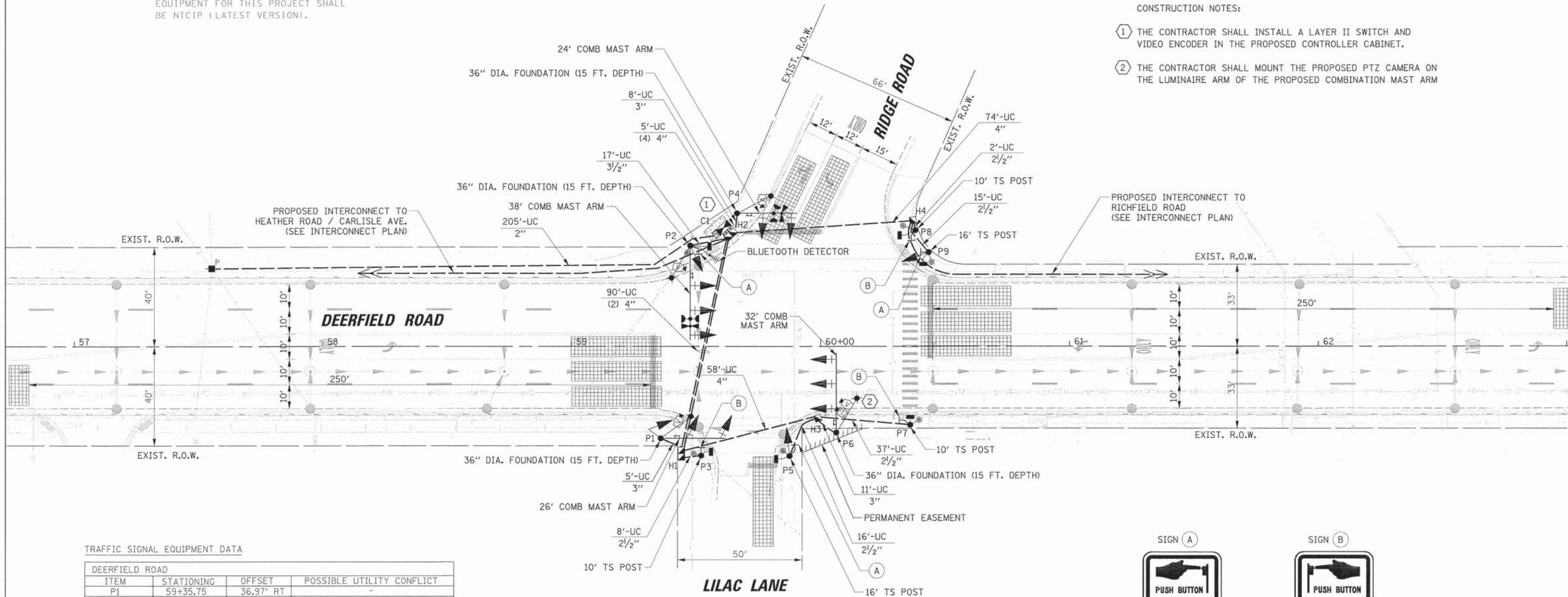
DATE	
BY	
REVISIONS	
PLANNED	
NOTED	
CHECKED	
APPROVED	
DATE	

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER  
EQUIPMENT FOR THIS PROJECT SHALL  
BE NTCIP (LATEST VERSION).



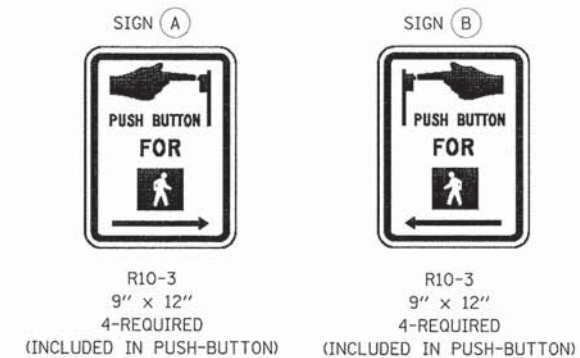
CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- ② THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	59+35.75	36.97' RT	-
H1	59+44.08	43.17' RT	-
P2	59+47.66	40.63' LT	UNDERGROUND 8" GAS LINE
P3	59+52.00	43.89' RT	UNDERGROUND ELECTRIC
C1	59+61.03	47.82' LT	-
H2	59+63.90	45.06' LT	-
P4	59+63.90	45.06' LT	UNDERGROUND 4" GAS LINE
P5	59+87.47	44.08' RT	UNDERGROUND TELEPHONE
H3	59+98.90	28.84' RT	-
P6	60+06.24	34.66' RT	-
H4	60+37.02	50.71' LT	-
P8	60+37.95	46.73' LT	-
P9	60+43.32	37.90' LT	-



20'

USER NAME = jsitrack	DESIGNED - EAJ	REVISED -
PLLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLLOT DATE = 8/30/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

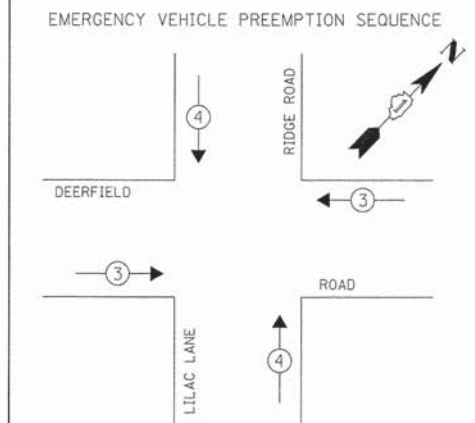
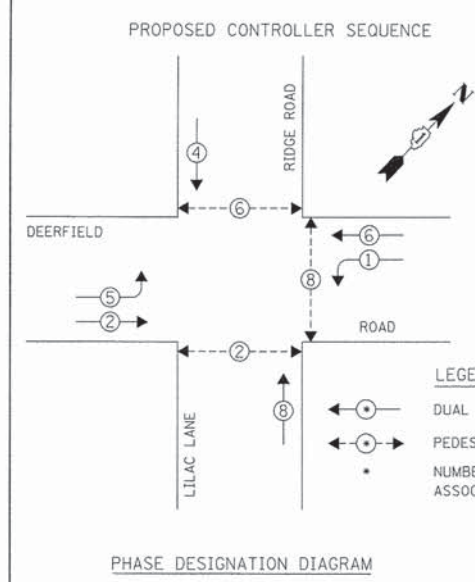
TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND RIDGE ROAD / LILAC LANE

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 195
				CONTRACT NO. 63882
[ILLINOIS] FED. AID PROJECT				

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO. OF REV. CHECKED		
CAD FILE NAME		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
BL. NOTED		
STRUCTURE		
NOTARY/REG. OFFICER		



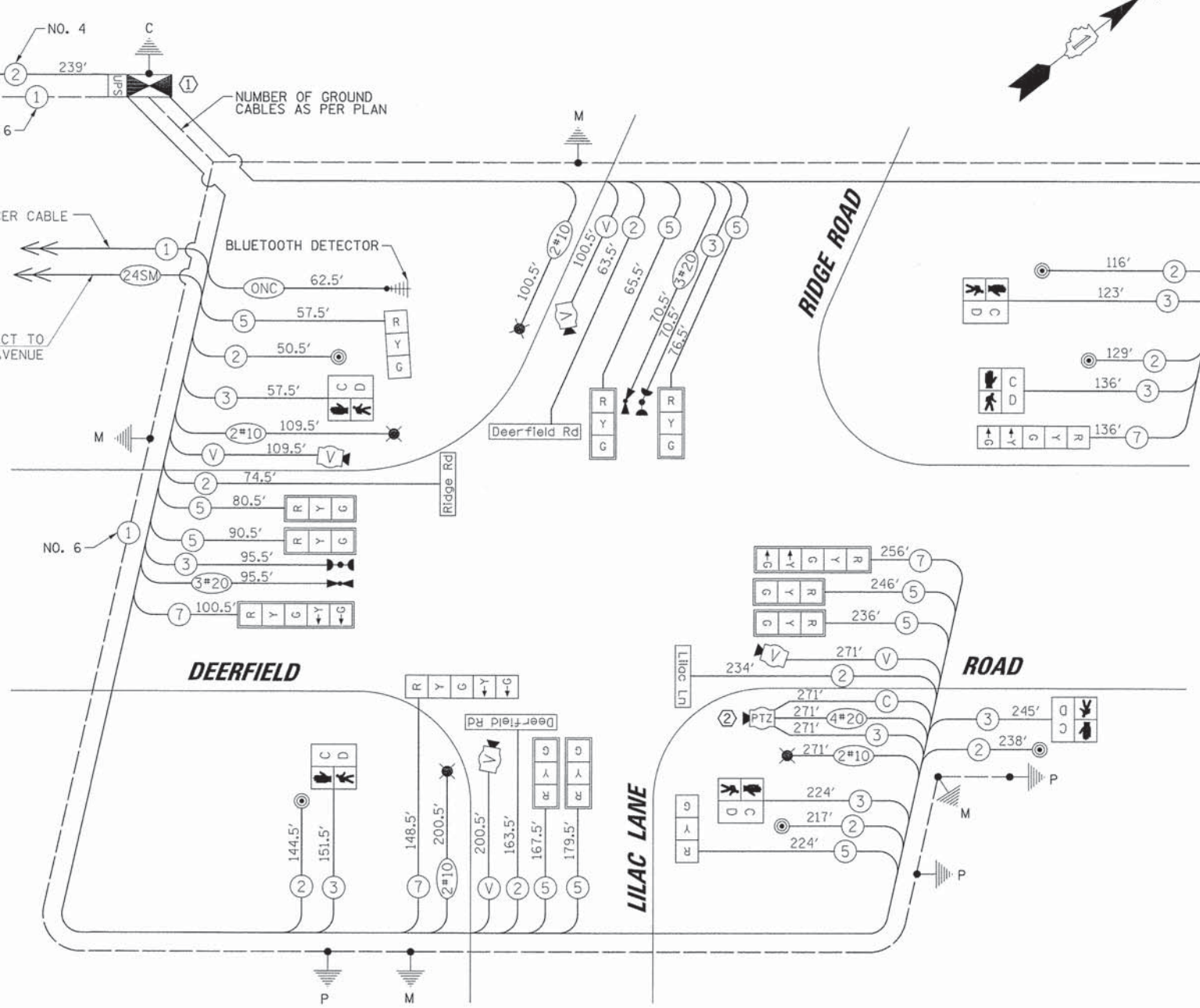
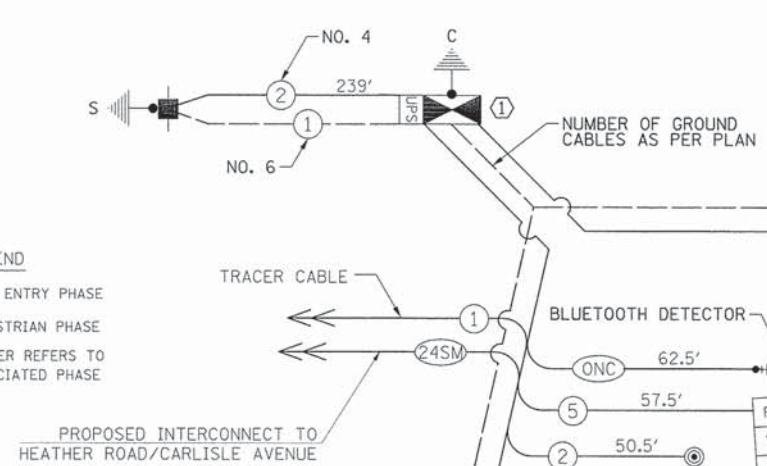
PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	
MOVEMENT	←	↑	

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	14	10	0.50		70.0
(YELLOW)	14	19	0.10		26.6
(GREEN)	14	11	0.40		61.6
ARROW	8	9	0.10		7.2
PED. SIGNAL	6	9	1.00		54.0
CONTROLLER	1	100	1.00		100.0
LUMINAIRE	4	250	0.50		500.0
L.E.D. ST. NAME SIGN	4	64	0.50		128.0
VIDEO SYSTEM	1	150	1.00		150.0
BATTERY BACKUP	1	25	1.00		25.0
FLASHER	-	-	0.50		-

ENERGY COSTS TO: TOTAL = 1122.4

**CITY OF HIGHLAND PARK**  
 1707 ST. JOHNS AVENUE  
 HIGHLAND PARK, IL 60035-3593

ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED



**CABLE PLAN**

- CONSTRUCTION NOTES:
- THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
  - THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

NOTE:  
 THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS INTERSECTION SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING EVP SYSTEM AND MUNICIPAL REQUIREMENTS.

SCHEDULE OF QUANTITIES		UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED		EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.		FOOT	205
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.		FOOT	78
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.		FOOT	24
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.		FOOT	17
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.		FOOT	332
HANDHOLE		EACH	2
DOUBLE HANDHOLE		EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10		FOOT	1363
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT		EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C		FOOT	1431
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C		FOOT	1374
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C		FOOT	1424
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C		FOOT	641
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 4 2 C		FOOT	239
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C		FOOT	645
CONCRETE FOUNDATION, TYPE A		FOOT	20
CONCRETE FOUNDATION, TYPE C		FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER		FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED		EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED		EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED		EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED		EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER		EACH	6
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM		EACH	10
LIGHT DETECTOR		EACH	2
LIGHT DETECTOR AMPLIFIER		EACH	1
PEDESTRIAN PUSH-BUTTON		EACH	6
TEMPORARY TRAFFIC SIGNAL INSTALLATION		EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		EACH	1
REMOVE EXISTING HANDHOLE		EACH	9
REMOVE EXISTING CONCRETE FOUNDATION		EACH	8
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C		FOOT	166
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL		EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL		EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL		FOOT	271
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C		FOOT	271
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT. (SPECIAL)		EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)		EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)		EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)		EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)		EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)		EACH	3
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)		EACH	2
LED INTERNALLY ILLUMINATED STREET NAME SIGN		EACH	4
REMOTE CONTROLLED VIDEO SYSTEM		EACH	1
LAYER II (DATALINK) SWITCH		EACH	1
VIDEO ENCODER		EACH	1
OUTDOOR RATED NETWORK CABLE		FOOT	63
BLUETOOTH DETECTOR		EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING		EACH	1

USER NAME = jstrick	DESIGNED - EAJ	REVISED -
	DRAWN - FPB	REVISED -
	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
1257	11-00092-00-PV	LAKE	424 196
			CONTRACT NO. 63882

SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT
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PLAN	DATE
BY	
REVIEWED	
DATE	
NO.	
FILE NAME	

PROFILE	DATE
BY	
REVIEWED	
DATE	
NO.	
FILE NAME	

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCIES AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: HIGHLAND PARK FIRE DEPARTMENT

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH TRAFFIC SIGNAL CONTROLLER
- 1 EACH CONTROLLER CABINET
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 4 EACH STEEL MAST ARM AND POLE ASSEMBLY
- 1 EACH CAMERA MOUNTING ASSEMBLY
- 2 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 3 EACH PEDESTRIAN PUSH-BUTTON

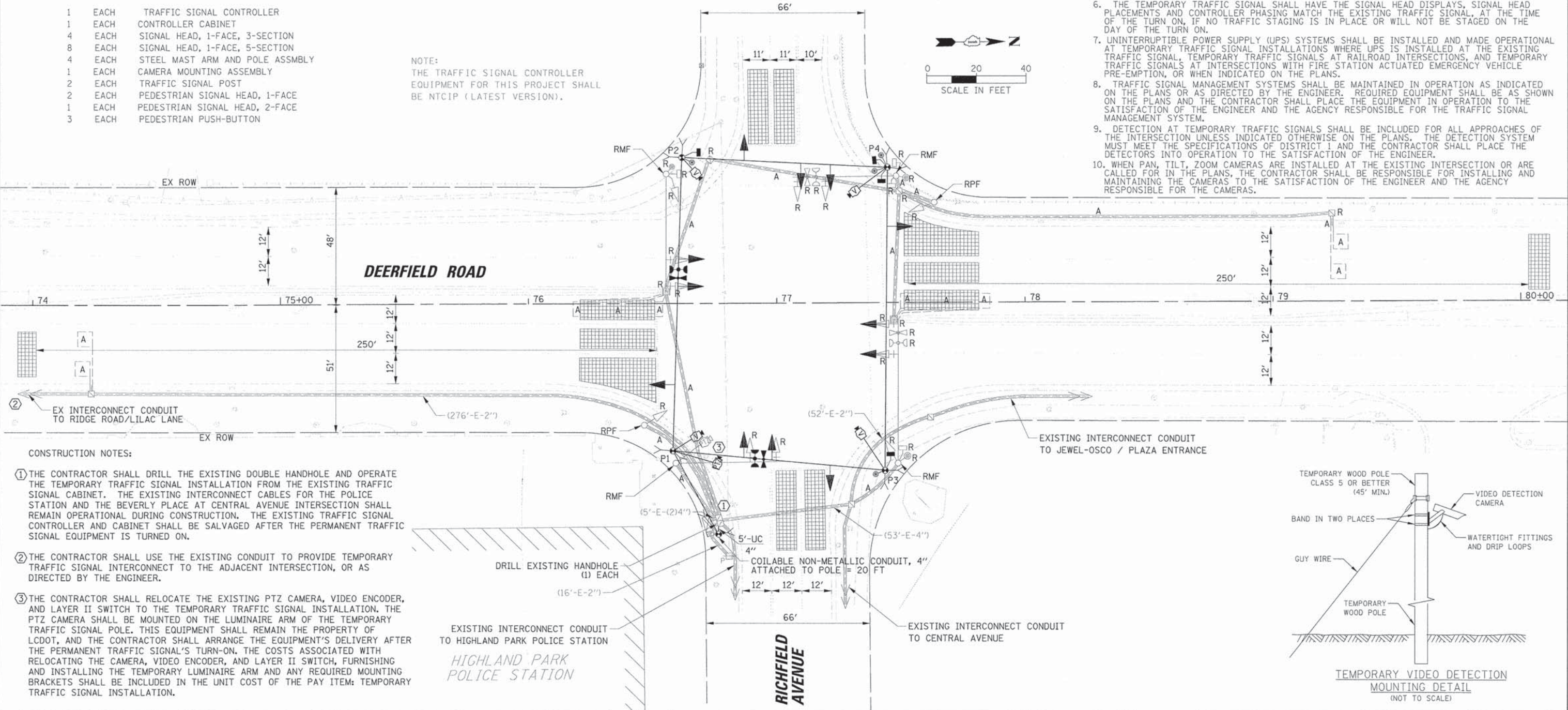
NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	76+58.25	58.63' RT	-
P2	76+61.69	59.82' LT	AERIAL ELECTRIC
P3	77+43.67	66.48' RT	-
P4	77+44.46	55.99' LT	AERIAL ELECTRIC

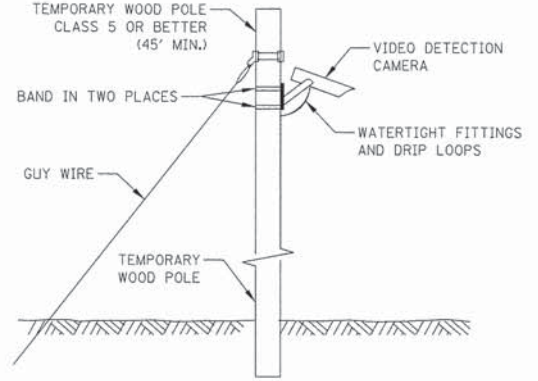
NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



CONSTRUCTION NOTES:

- 1 THE CONTRACTOR SHALL DRILL THE EXISTING DOUBLE HANDHOLE AND OPERATE THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FROM THE EXISTING TRAFFIC SIGNAL CABINET. THE EXISTING INTERCONNECT CABLES FOR THE POLICE STATION AND THE BEVERLY PLACE AT CENTRAL AVENUE INTERSECTION SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. THE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET SHALL BE SALVAGED AFTER THE PERMANENT TRAFFIC SIGNAL EQUIPMENT IS TURNED ON.
- 2 THE CONTRACTOR SHALL USE THE EXISTING CONDUIT TO PROVIDE TEMPORARY TRAFFIC SIGNAL INTERCONNECT TO THE ADJACENT INTERSECTION, OR AS DIRECTED BY THE ENGINEER.
- 3 THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA, VIDEO ENCODER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT SHALL REMAIN THE PROPERTY OF LCDOT, AND THE CONTRACTOR SHALL ARRANGE THE EQUIPMENT'S DELIVERY AFTER THE PERMANENT TRAFFIC SIGNAL'S TURN-ON. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.



USER NAME = e.jensen	DESIGNED = EAJ	REVISED =
PLOT SCALE = 20'	DRAWN = FPB	REVISED =
PLOT DATE = 9/22/2015	CHECKED = GMZ	REVISED =
	DATE =	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
REMOVAL PLAN  
DEERFIELD ROAD AND RICHFIELD AVENUE

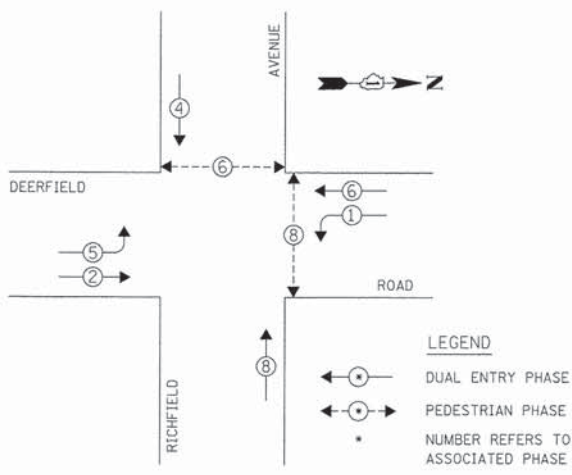
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	197
CONTRACT NO. 63882				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_ REVISIONS \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 CAD FILE NAME \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_ REVISIONS \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATION: \_\_\_\_\_

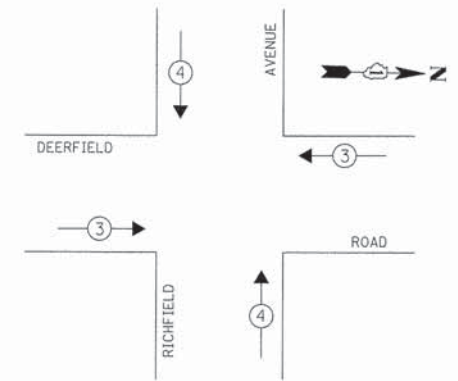
**TEMPORARY CONTROLLER SEQUENCE**



**LEGEND**  
 ← ● → DUAL ENTRY PHASE  
 ← ● → PEDESTRIAN PHASE  
 ● NUMBER REFERS TO ASSOCIATED PHASE

**TEMPORARY PHASE DESIGNATION DIAGRAM**

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE**



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	→	↔

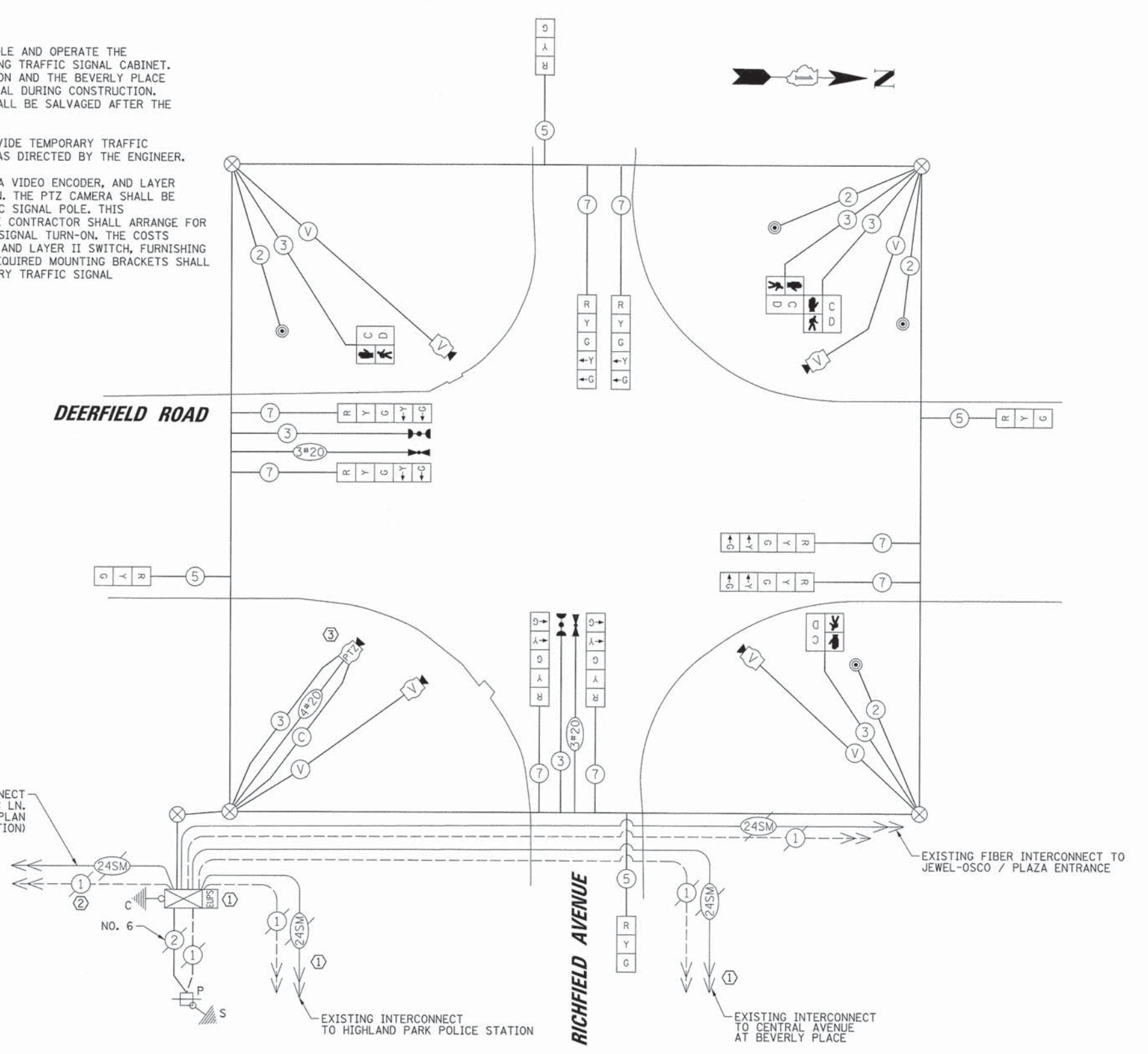
**CONSTRUCTION NOTES:**

- THE CONTRACTOR SHALL DRILL THE EXISTING DOUBLE HANDHOLE AND OPERATE THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FROM THE EXISTING TRAFFIC SIGNAL CABINET. THE EXISTING INTERCONNECT CABLES FOR THE POLICE STATION AND THE BEVERLY PLACE AT CENTRAL AVENUE INTERSECTION SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. THE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET SHALL BE SALVAGED AFTER THE PERMANENT TRAFFIC SIGNAL EQUIPMENT IS TURNED ON.
- THE CONTRACTOR SHALL USE THE EXISTING CONDUIT TO PROVIDE TEMPORARY TRAFFIC SIGNAL INTERCONNECT TO THE ADJACENT INTERSECTION, OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING PTZ CAMERA VIDEO ENCODER, AND LAYER II SWITCH TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED ON THE LUMINAIRE ARM OF THE TEMPORARY TRAFFIC SIGNAL POLE. THIS EQUIPMENT SHALL REMAIN THE PROPERTY OF LCDOT, AND THE CONTRACTOR SHALL ARRANGE FOR THE EQUIPMENT'S DELIVERY AFTER THE PERMANENT TRAFFIC SIGNAL TURN-ON. THE COSTS ASSOCIATED WITH RELOCATING THE CAMERA, VIDEO ENCODER, AND LAYER II SWITCH, FURNISHING AND INSTALLING THE TEMPORARY LUMINAIRE ARM AND ANY REQUIRED MOUNTING BRACKETS SHALL BE INCLUDED IN THE UNIT COST OF THE PAY ITEM: TEMPORARY TRAFFIC SIGNAL INSTALLATION.

L.C.D.O.T. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND. LED X % OPERATION			
SIGNAL (RED)	12	10	0.50		60.0
(YELLOW)	12	19	0.10		22.8
(GREEN)	12	11	0.40		52.8
ARROW	16	9	0.10		14.4
PED. SIGNAL	4	9	1.00		36.0
CONTROLLER	1	100	1.00		100.0
LUMINAIRE		250	0.50		
L.E.D. ST. NAME SIGN		64	0.50		
VIDEO SYSTEM	1	150	1.00		150.0
BATTERY BACKUP	1	25	1.00		25.0

ENERGY COSTS TO: TOTAL = 461.0  
**CITY OF HIGHLAND PARK**  
 1707 ST. JOHNS AVENUE  
 HIGHLAND PARK, IL 60035-3593  
 ENERGY SUPPLY: CONTACT: COMED - NEW BUSINESS  
 PHONE: (866) 639-3532  
 COMPANY: COMED

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



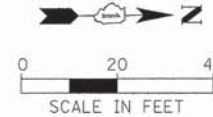
**TEMPORARY CABLE PLAN**

DESIGNED - EAJ	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE DEERFIELD ROAD AND RICHFIELD AVENUE			F.A.U. RTE. 1257	SECTION 11-00092-00-PV	COUNTY LAKE	TOTAL SHEETS 424	SHEET NO. 198	
DRAWN - FPB	REVISIONS -		SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 63882			
CHECKED - GMZ	REVISIONS -		ILLINOIS FED. AID PROJECT								
DATE -	REVISIONS -										

PLAN	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		

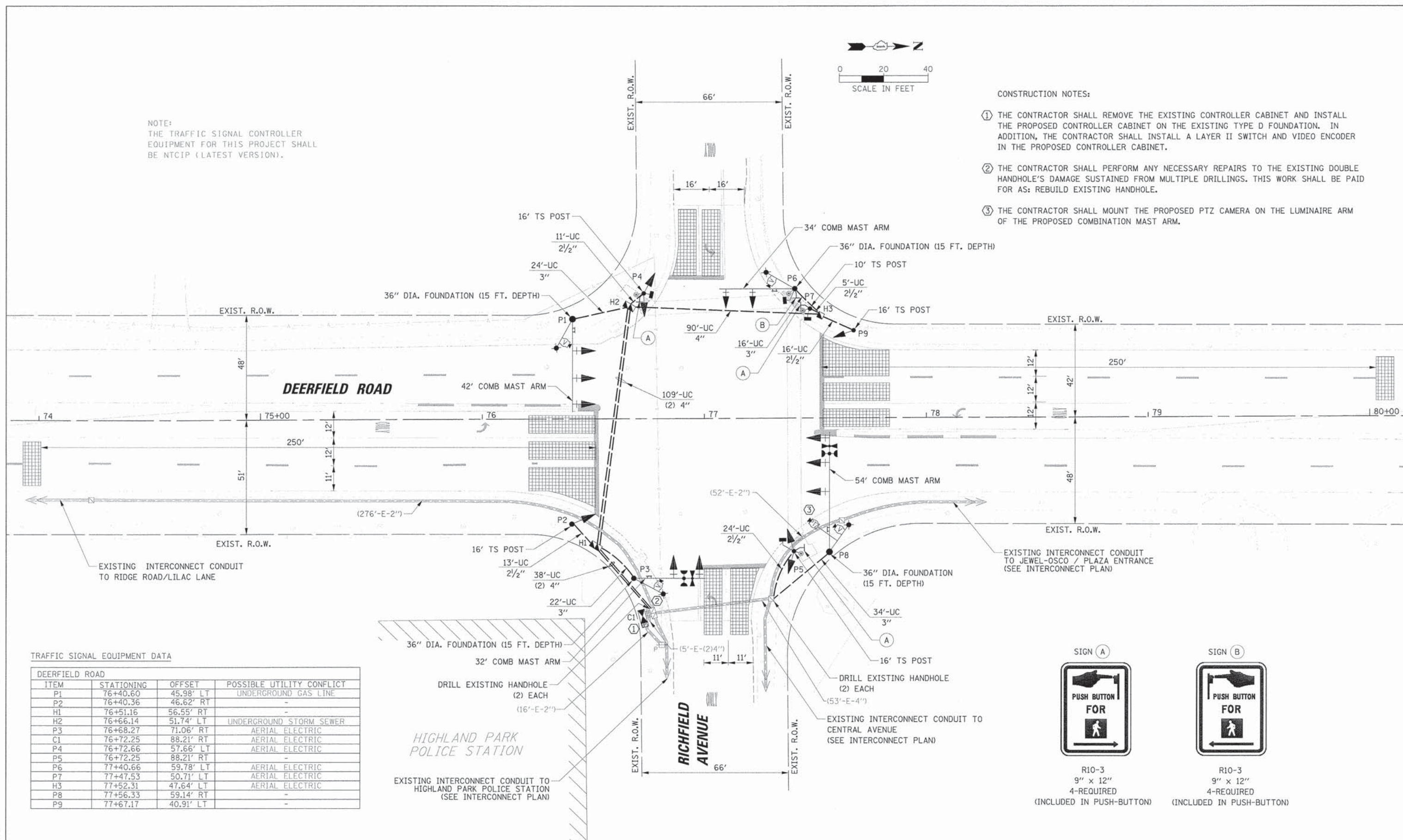
PROFILE	SURVEYED	BY	DATE
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		
	NOTED		

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).



CONSTRUCTION NOTES:

- ① THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER CABINET AND INSTALL THE PROPOSED CONTROLLER CABINET ON THE EXISTING TYPE D FOUNDATION. IN ADDITION, THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- ② THE CONTRACTOR SHALL PERFORM ANY NECESSARY REPAIRS TO THE EXISTING DOUBLE HANDHOLE'S DAMAGE SUSTAINED FROM MULTIPLE DRILLINGS. THIS WORK SHALL BE PAID FOR AS: REBUILD EXISTING HANDHOLE.
- ③ THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.



TRAFFIC SIGNAL EQUIPMENT DATA

DEERFIELD ROAD			
ITEM	STATIONING	OFFSET	POSSIBLE UTILITY CONFLICT
P1	76+40.60	45.98' LT	UNDERGROUND GAS LINE
P2	76+40.36	46.62' RT	-
H1	76+51.16	56.55' RT	-
H2	76+66.14	51.74' LT	UNDERGROUND STORM SEWER
P3	76+68.27	71.06' RT	AERIAL ELECTRIC
C1	76+72.25	88.21' RT	AERIAL ELECTRIC
P4	76+72.66	57.66' LT	AERIAL ELECTRIC
P5	76+72.25	88.21' RT	-
P6	77+40.66	59.78' LT	AERIAL ELECTRIC
P7	77+47.53	50.71' LT	AERIAL ELECTRIC
H3	77+52.31	47.64' RT	AERIAL ELECTRIC
P8	77+56.33	59.14' RT	-
P9	77+67.17	40.91' LT	-



R10-3  
9" x 12"  
4-REQUIRED  
(INCLUDED IN PUSH-BUTTON)



R10-3  
9" x 12"  
4-REQUIRED  
(INCLUDED IN PUSH-BUTTON)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
DEERFIELD ROAD AND RICHFIELD AVENUE

USER NAME = #jensen	DESIGNED - EAJ	REVISED -
PLOT SCALE = 20'	DRAWN - FPB	REVISED -
PLOT DATE = 9/22/2015	CHECKED - GMZ	REVISED -
	DATE -	REVISED -

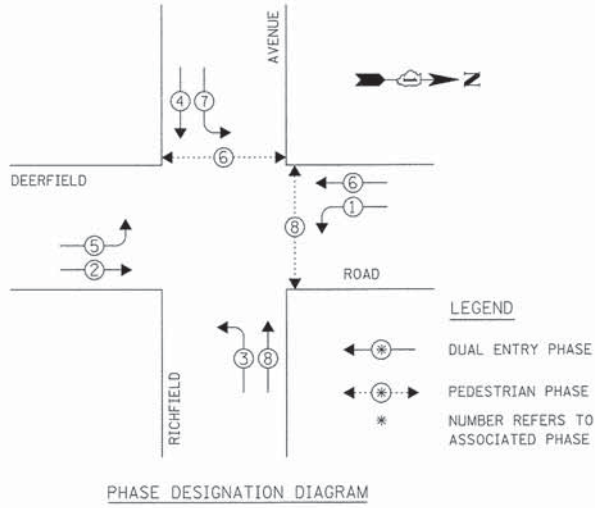
SCALE: 1" = 20'	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	199
				CONTRACT NO. 63882
14+00				ILLINOIS FEDERAL PROJECT

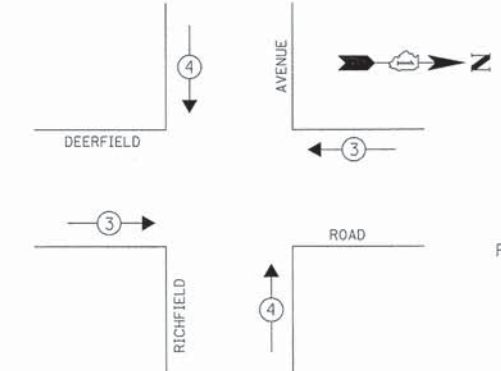
DATE	
BY	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
PROFILE	
NOTE BOOK	
NO.	

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE X INCAND.	LED	% OPERATION	
SIGNAL (RED)	16		10	0.50	80.0
(YELLOW)	16		19	0.10	30.4
(GREEN)	16		11	0.40	70.4
ARROW	16		9	0.10	14.4
PED. SIGNAL	4		9	1.00	36.0
CONTROLLER	1		100	1.00	100.0
LUMINAIRE	4		250	0.50	500.0
L.E.D. ST. NAME SIGN	4		64	0.50	128.0
VIDEO SYSTEM	1		150	1.00	150.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER	-				
ENERGY COSTS TO:					TOTAL = 1134.2

CITY OF HIGHLAND PARK

1707 ST. JOHNS AVENUE  
HIGHLAND PARK, IL 60035-3593

ENERGY SUPPLY: CONTACT: JEAN WILL  
PHONE: (847) 816-5459  
COMPANY: COMED

USER NAME = e.jansen
DESIGNED - EAJ
DRAWN - FPB
CHECKED - GMZ
DATE -
PLT SCALE = 2"
PLT DATE = 9/22/2015

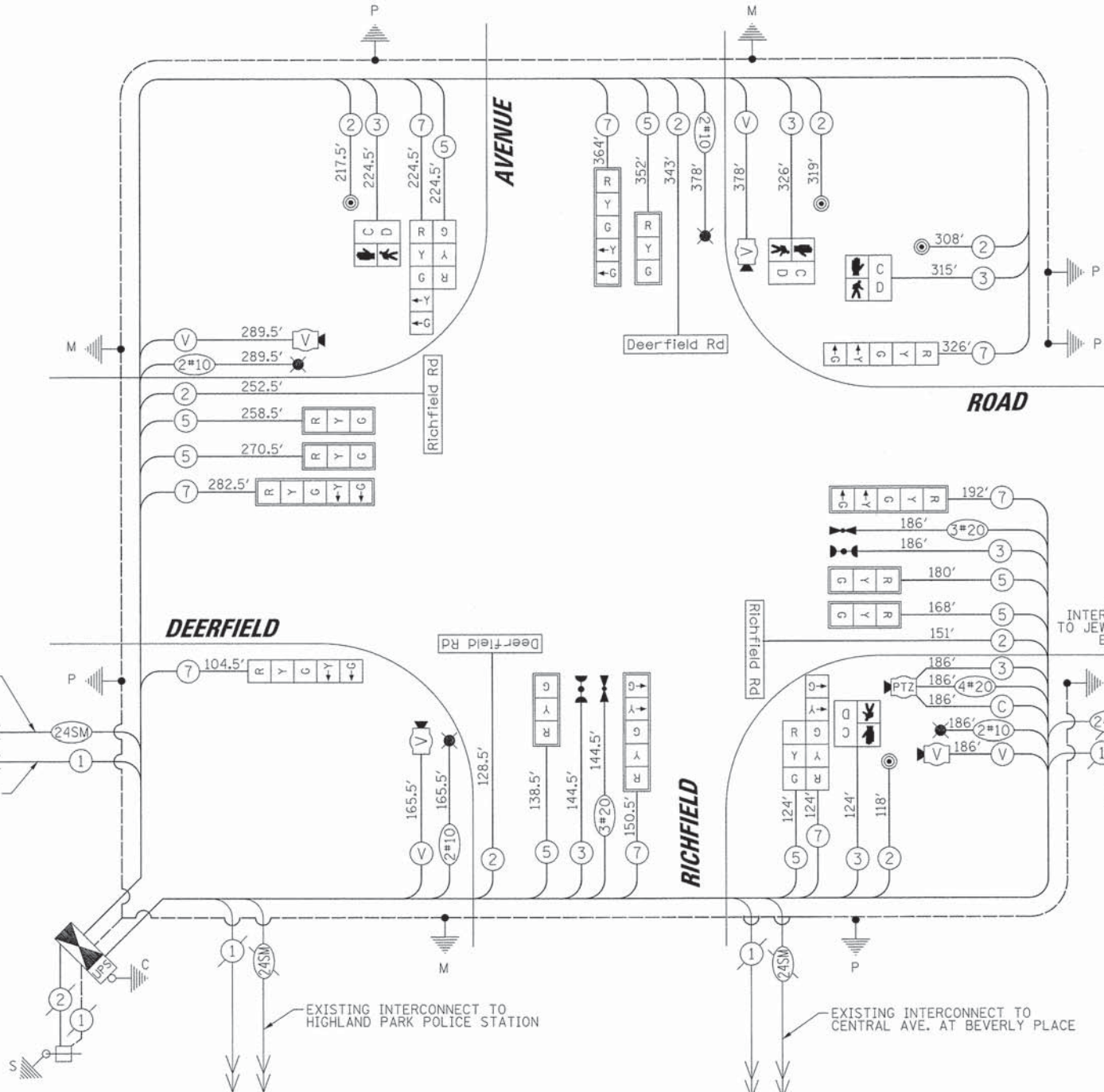
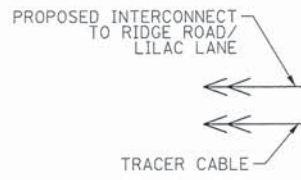
REVISOR -
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
DEERFIELD ROAD AND RICHFIELD AVENUE

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	11-00092-00-PV	LAKE	424	200
CONTRACT NO. 63882			ILLINOIS FED. AID PROJECT	



CABLE PLAN

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL REMOVE THE EXISTING CONTROLLER CABINET AND INSTALL THE PROPOSED CONTROLLER CABINET ON THE EXISTING TYPE D FOUNDATION. IN ADDITION, THE CONTRACTOR SHALL INSTALL A LAYER II SWITCH AND VIDEO ENCODER IN THE PROPOSED CONTROLLER CABINET.
- THE CONTRACTOR SHALL PERFORM ANY NECESSARY REPAIRS TO THE EXISTING DOUBLE HANDHOLE'S DAMAGE SUSTAINED FROM MULTIPLE DRILLINGS. THIS WORK SHALL BE PAID FOR AS: REBUILD EXISTING HANDHOLE.
- THE CONTRACTOR SHALL MOUNT THE PROPOSED PTZ CAMERA ON THE LUMINAIRE ARM OF THE PROPOSED COMBINATION MAST ARM.

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP (LATEST VERSION).

NOTE:  
THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS INTERSECTION SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING EVP SYSTEM AND MUNICIPAL REQUIREMENTS.

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	53
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	96
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	384
HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 10	FOOT	2038
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1838
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1506
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1716
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1768
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	540
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	331
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	186
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	186
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	1
VIDEO DETECTION SYSTEM, (COMPLETE INTERSECTION)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1