

DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 LEFT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
4	4-1	649+03.08	19.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	660.73	656.16					656.16		656.16
4	4-2	650+08.40	33.3' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	660.01				656.89				
4	4-3	650+51.00	32.1' LT	MH, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	660.07				656.39				656.49
4	4-4	651+18.78	63.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	660.49				654.10 (EX)		655.10		
# 4	4-5	651+18.78	48.7' LT	MH, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	658.43	655.18					655.43		
4	4-6	651+18.78	32.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	660.29	655.55							655.75
4	4-7	654+43.72	65.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	659.20				652.40 (EX)		655.09		652.75 (EX)
4	4-8	654+43.72	43.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	659.27	655.27							
4	4-9	654+95.00	43.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	659.09				655.09				
4	4-10	655+45.00	43.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.91				654.52				654.62
4	4-11	655+95.00	39.7' LT	MH, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.82	653.85							654.05
4	4-12	655+95.00	62.2' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	657.88				652.03 (EX)		653.71		652.04 (EX)
4	4-13	656+55.00	35.4' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	658.72				654.72				
4	4-14	657+25.77	31.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.71				653.94				654.04
4	4-15	657+36.95	58.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	658.29				651.68 (EX)		653.36		651.68 (EX)
4	4-16	657+36.95	31.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.72	653.57			653.95				653.87
4	4-17	657+85.00	29.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.81				654.49				654.39
4	4-18	658+35.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	658.96								654.96
4	4-19	660+00.72	42.3' LT	MANHOLES TO BE ADJUSTED WITH NEW	TYPE 8 GRATE	656.67				MATCH EX				MATCH EX

NOTE:

* DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS CLOSEST TO THE CENTERLINE OF THE ROAD.

∅ DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
# 5	5-1A	649+02.82	34.6' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	660.71	656.13					656.13		
5	5-1B	649+02.74	49.8' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	659.00	656.20				656.34			
5	5-2			NOT USED	NOT USED									
5	5-3	650+08.33	31.0' RT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	660.01				656.77				
5	5-4	650+51.00	31.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	660.07				656.37				656.37
5	5-5	651+21.43	53.9' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	660.07	655.57			654.07 (EX)				654.37 (EX)
5	5-6	651+21.43	31.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	660.28				655.71				655.71
5	5-7	654+51.13	47.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	659.21	655.44			652.93 (EX)				653.43 (EX)
5	5-8	654+51.13	29.5' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	659.55				655.55				
5	5-9	655+00.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	659.39				655.51				
5	5-10	655+50.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	659.22				654.94				655.04
5	5-11	656+00.00	45.7' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	659.30	654.20			652.70 (EX)				652.70 (EX)
5	5-12	656+00.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	659.04				654.28				654.48
5	5-13	656+65.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	658.82				655.16				
5	5-14	657+25.77	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.74				654.48				654.58
5	5-15	657+43.58	44.5' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	658.88	653.98			MATCH EX				652.48 (EX)
5	5-16	657+43.58	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	658.75				654.37		654.05		654.35
5	5-17	657+95.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	658.85								654.85
5	5-18	660+21.16	29.0' RT	CB, TYPE C	TYPE 23 FRAME AND GRATE	658.52				655.02				
5	5-19	660+21.16	45.3' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	658.10	654.92			651.66 (EX)				651.76 (EX)

DRAINAGE SHEET WILLOW ROAD STA 661+00 TO STA 672+00 LEFT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
6	6-1	661+20.00	42.3' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	657.88				MATCH EX		653.56		MATCH EX
6	6-2	661+20.00	29.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	657.63	653.63							
6	6-3	662+46.50	40.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	655.33				649.91 (EX)		651.89		650.16 (EX)
6	6-4	662+46.50	29.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	655.96	651.96							
6	6-5	663+50.00	29.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	654.60				651.31				
6	6-6	664+45.00	38.6' LT	MH, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	652.80				648.68 (EX)		650.18		648.71 (EX)
6	6-7	664+45.00	29.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	653.35	650.19							650.39
6	6-8	664+68.14	39.3' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	653.06						648.58		648.58 (EX)
6	6-9	664+68.14	14.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	653.36	648.43			647.93				
6	6-10	36+95.00	28.3' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	652.26						648.76		
# 6	6-11	36+60.00	28.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	652.45	648.44			648.44				
6	6-12A	36+60.00	10.8' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	651.86				639.99				648.06
6	6-12B	36+57.00	20.4' RT	MH, TYPE A, 7'-DIAMETER	TYPE 23 FRAME AND GRATE	651.81	648.46 (EX)			639.93				639.93
6	6-13	665+45.28	14.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.40	639.54			639.54		647.45		647.40
6	6-14	666+40.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	651.11				647.11				
6	6-15	667+05.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	650.59				646.39				646.49
6	6-16	667+70.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	650.07				644.93		644.63		645.78
6	6-17			NOT USED	NOT USED									
6	6-18	668+35.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	649.55								645.55

FILE NAME =	USER NAME = BAWtor.t	DESIGNED - JLV	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 11/30/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD DRAINAGE STRUCTURE TABLES

SCALE: N.T.S. SHEET NO. 201 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	201
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DRAINAGE SHEET WILLOW ROAD STA 661+00 TO STA 672+00 LEFT SYSTEM - CONTINUED

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
6	6-19	666+15.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	651.74			647.74					
6	6-20	667+00.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	650.76			643.92	646.59			646.92	
6	6-21	667+10.00	38.5' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	650.83						646.67 (EX)		646.67
6	6-22	667+70.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	649.96	643.06						643.26	
6	6-23	667+70.00	14.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	650.39	644.49		637.94		642.68		638.44	
6	6-24	668+35.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	649.30			645.30				645.40	
6	6-25	668+95.00	40.8' RT	INLETS, TYPE A	TYPE 8 GRATE	648.29	645.29							
6	6-26	668+95.00	28.9' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	648.78	643.30		643.60		645.22		644.73	
6	6-27	668+95.00	13.9' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	649.39			637.35		642.92		637.35	
6	6-28	669+60.00	27.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	648.25				644.41			644.21	
6	6-29	669+75.00	46.5' RT	INLETS, TYPE A	TYPE 8 GRATE	646.60								644.60
6	6-30	669+55.00	39.4' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	648.28			644.28					
6	6-31	670+23.51	38.6' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	647.78			643.52				643.62	
6	6-32	670+35.00	38.6' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	647.83				643.25			643.45	
#	6-33	670+35.00	11.3' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	648.28	643.03		636.68				636.68	
6	6-34	670+85.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	647.24			643.24					
6	6-35	671+20.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	646.96			642.82				642.92	
6	6-36	671+50.00	39.0' RT	INLETS, TYPE A	TYPE 8 GRATE	646.20	643.20							
6	6-37	671+50.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	646.59			642.37		643.13		642.57	

NOTE:

* DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS CLOSEST TO THE CENTERLINE OF THE ROAD.

∅ DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 661+00 TO STA 672+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
7	7-1	661+00.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	657.66			653.66					
7	7-2	661+70.00	45.0' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	655.90	652.71		650.57 (EX)				650.61 (EX)	
7	7-3	661+70.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	656.85				652.79			652.99	
7	7-4	662+49.39	44.9' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	654.93	651.76		649.51 (EX)				650.05 (EX)	
7	7-5	662+55.00	29.0' RT	CB, TYPE C	TYPE 23 FRAME AND GRATE	655.88				651.88				
7	7-6	663+15.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	655.19			651.27					
7	7-7	663+80.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	654.44			650.55				650.65	
7	7-8	664+45.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	653.69				649.74			649.94	
7	7-9	35+20.00	20.5' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	652.73	649.32							
7	7-10	35+31.30	22.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	652.70			649.24		649.24			
7	7-11	664+78.63	38.8' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	653.65			648.27		649.87 (EX)		649.27 (EX)	
7	7-12	35+28.00	16.5' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	652.35	648.93							
7	7-13	35+39.37	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	652.31	648.84				648.84		648.84	
#	7	7-14	665+44.61	37.5' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.46	647.67			648.67		647.97	

DRAINAGE SHEET WILLOW ROAD STA 672+00 TO STA 683+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
#	8	8-1	672+05.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	646.05	641.67					641.87	
#	8	8-2	672+05.00	11.3' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	647.18			635.85		641.30		635.85
#	8	8-3	673+20.00	37.2' RT	INLETS, TYPE A	TYPE 8 GRATE	644.75	641.75						
#	8	8-4	673+20.00	27.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	645.13			641.48		641.68		
#	8	8-5	673+55.41	52.4' LT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	644.50			641.53		641.33		
%	8	8-6	673+55.41	11.3' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	645.98	640.98		635.12		641.77		635.12
%	8	8-7	673+55.41	6.0' LT	CB, TYPE C	TYPE 11V FRAME AND GRATE	645.81	641.81						
%	8	8-8	674+10.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	644.41			640.55			640.65	
%	8	8-9	674+00.00	63.0' LT	INLETS, TYPE A	TYPE 8 GRATE	644.98						641.98	
%	8	8-10	674+95.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	643.73	639.56					639.76	
#	8	8-11	674+95.00	6.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	644.69	639.17			639.27			
#	8	8-12	674+95.00	11.3' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	644.86			632.45		639.13		634.45
%	8	8-13	676+00.00	37.2' RT	INLETS, TYPE A	TYPE 8 GRATE	642.48		639.48					
%	8	8-14	676+00.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	642.89		639.31			639.41		
%	8	8-15	676+00.00	6.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	643.85		638.92			639.02		
%	8	8-16	676+00.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	644.35			631.94		638.81		631.94
%	8	8-17	677+00.00	27.0' RT	CB, TYPE C	TYPE 23 FRAME AND GRATE	642.09		638.09					
%	8	8-18	677+00.00	6.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	643.05		637.70			637.80		
%	8	8-19	677+00.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	643.55			631.46		637.59		631.46
%	8	8-20	678+00.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	641.29		636.42				636.62	
%	8	8-21	678+00.00	6.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	642.25		636.03			636.13		
%	8	8-22	678+00.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	642.75		636.92		630.98		635.92	630.98
%	8	8-23	678+00.00	39.6' LT	CB, TYPE C	TYPE 8 GRATE	640.08					637.08		
%	8	8-24	678+90.00	6.0' LT	CB, TYPE C	TYPE 11V FRAME AND GRATE	641.53		637.53					
%	8	8-25	678+90.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	642.03			630.55		637.42		630.55

FILE NAME =	USER NAME = BAWtor.t	DESIGNED - JLV	REVISED -
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		CHECKED - RCB	REVISED -
		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD DRAINAGE STRUCTURE TABLES

SCALE: N.T.S. SHEET NO. 202 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4B)R	COOK	919	202
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

DRAINAGE SHEET WILLOW ROAD STA 672+00 TO STA 683+00 - CONTINUED

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
8	8-26	679+00.00	36.8' RT	CB, TYPE C	TYPE 8 GRATE	640.10			637.10					
8	8-27	679+10.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	640.41				636.41				
8	8-28	680+05.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	639.88		635.31						635.51
8	8-29	680+05.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	640.51				630.00		634.87		630.00
8	8-30	680+50.00	27.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	640.02				636.02				
8	8-31	680+75.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	639.32				635.32				
8	8-32	681+00.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	639.41				635.45				635.55
8	8-33	681+45.00	39.1' RT	CB, TYPE C	TYPE 8 GRATE	638.20		635.20						
8	8-34	681+45.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.76				634.45		635.13		634.65
8	8-35	681+55.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.97		635.21		634.74				634.94
8	8-36	681+55.00	36.2' LT	CB, TYPE C	TYPE 8 GRATE	638.25						635.25		
8	8-37	682+00.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.32				633.84				633.94
8	8-38	682+35.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.33						633.78		633.98
8	8-39	682+35.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.04		632.69		632.99				633.53
8	8-40	682+35.00	4.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	638.73		632.32				632.42		
8	8-41	682+35.00	27.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	638.44		633.74		628.88		632.19		628.88
8	8-42	682+95.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	637.56								633.56

NOTE:
 * DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS CLOSEST TO THE CENTERLINE OF THE ROAD.
 % DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 683+00 TO STA 693+00 LEFT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
9	9-1	683+00.00	27.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	637.81				633.81				
9	9-2	683+55.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	637.37				633.37				
9	9-3	683+75.00	38.6' LT	CB, TYPE C	TYPE 8 GRATE	634.70						631.70		
9	9-4	683+75.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	637.12		631.63		631.33				633.09
9	9-5	684+15.00	39.5' RT	CB, TYPE C	TYPE 8 GRATE	635.50		632.50						
9	9-6	684+15.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	636.60				632.11		632.41		632.80
9	9-7	684+50.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	636.61				630.52				630.62
9	9-8	684+75.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	636.12				631.45				631.55
9	9-9	685+30.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	635.97						629.56		629.76
9	9-10	685+30.00	21.8' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	636.08		629.52		627.43		629.69		627.43
9	9-11	685+40.00	46.5' RT	CB, TYPE C	TYPE 8 GRATE	633.60		630.60						
9	9-12	685+30.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	635.68		630.13				630.43		630.94
9	9-13	685+85.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	635.24				631.24				
9	9-14	686+10.00	36.5' LT	CB, TYPE C	TYPE 8 GRATE	634.20						631.20		
9	9-15	686+10.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	635.33		631.16		630.96				
9	9-16	686+95.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	634.65						629.95		630.15
9	9-17	686+95.00	21.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	634.76		629.90		625.64		629.51		626.64
9	9-18	686+95.00	38.5' RT	CB, TYPE C	TYPE 8 GRATE	633.20		630.20						
9	9-19	686+95.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	634.44		629.94		630.36		630.14		630.17
9	9-20	687+65.00	27.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	634.14						630.14		
9	9-21	687+65.00	21.7' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	634.25		630.10		625.41		629.79		625.51
9	9-22	687+65.00	6.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	634.47		629.97		630.17				
9	9-23	687+95.34	6.0' RT	CB, TYPE C	TYPE 11V FRAME AND GRATE	634.44								630.44
9	9-24	688+52.32	27.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	633.67				629.67				
9	9-25	688+90.00	46.5' LT	INLETS, TYPE A	TYPE 8 GRATE	630.35						627.35		
9	9-26	688+83.00	27.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	633.70		627.19				626.89		629.40
9	9-27	688+83.00	21.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.87		626.85		625.09				625.19
9	9-28	689+80.00	27.0' LT	CB, TYPE C	TYPE 23 FRAME AND GRATE	634.18						630.18		
9	9-29	689+80.00	21.7' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	634.35		630.14		624.82				624.92
9	9-30	690+90.00	21.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.20				624.52				624.62
9	9-31	691+75.00	40.7' LT	CB, TYPE C	TYPE 8 GRATE	635.38						632.38		
9	9-32	691+75.00	21.7' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.82		632.21	624.26					624.36
9	9-33	687+07.00	27.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	634.45								630.45

DRAINAGE SHEET WILLOW ROAD STA 683+00 TO STA 693+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
10	10-1	688+58.22	39.8' RT	CB, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	632.35		627.81					628.07 (EX)	
10	10-2	688+58.22	11.2' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	634.75				627.12		627.62		
10	10-3	690+25.02	40.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	633.25		630.64				630.74 (EX)		
10	10-4	690+25.02	11.2' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.81				626.76		630.42		626.86
10	10-5	691+90.00	11.3' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	636.69			625.10					626.60

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 LEFT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
11	11-1	693+46.86	39.6' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.45	MATCH EX					625.63		
11	11-2	693+47.30	24.8' LT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.34	625.68			623.84		625.72		623.94
11	11-3	694+40.00	43.6' LT	INLETS, TYPE A	TYPE 8 GRATE	633.90						630.90		
11	11-4	694+40.00	30.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	634.50	630.81					630.71		
11	11-5	694+40.00	24.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	634.67	630.67			623.58				623.68
11	11-6	695+20.00	30.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	633.91				629.91				
#	11	11-7	696+00.00	30.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	633.39					628.97		629.17
#	11	11-8	696+00.00	14.3' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.84	628.88		623.18				623.28
11	11-9	86+59.74	17.7' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	632.95				628.95				
11	11-10	86+59.74	21.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	632.74				628.36			628.56	
#	11	11-11	697+10.00	35.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	632.67					627.92		628.12
#	11	11-12	697+10.00	14.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.09	627.77		622.88				622.98
11	11-13	697+75.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	632.29				628.29				
11	11-14	698+15.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	632.02				627.82				627.92
11	11-15	698+55.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.78				627.36				627.46
11	11-16	698+95.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.57				627.03		626.70		627.00
#	11	11-17	698+95.00	14.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.89	626.62		622.02				622.52
11	11-18	699+35.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.40								627.40
11	11-19	699+75.00	29.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.26				627.26				
11	11-20	700+15.00	29.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.14				626.79				626.89
11	11-21	700+55.00	28.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.02				626.33				626.43
11	11-22			NOT USED	NOT USED									
#	11	11-23	701+00.00	27.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.89					625.62		625.92
#	11	11-24	701+00.00	12.8' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.21	625.54		621.72				621.72
11	11-25	701+45.00	26.9' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.75								626.75
11	11-26	701+85.00	26.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.63				626.63				
11	11-27	702+30.00	26.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.50				626.11				626.21
11	11-28	702+75.00	26.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.38				625.60				625.70
11	11-29	703+00.00	26.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.35				625.29				625.39
11	11-30	703+20.00	26.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.34				625.92		624.83		625.13
#	11	11-31	703+20.00	11.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.66	624.75		621.41				621.41
11	11-32	703+70.00	26.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.39								626.39

NOTE:
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 % DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS								
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	
#	12	12-1	693+49.19	32.6' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	636.84	625.96					628.46 (EX)		
#	12	12-2	693+48.61	14.3' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.86	625.87			624.69		625.92		624.79
#	12	12-3	693+64.74	39.4' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.53	625.12				631.67	625.32 (EX)		
#	12	12-4	693+64.74	14.2' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.75	631.41			624.18		624.97		624.68
%	12	12-5	693+64.74	4.7' RT	CB, TYPE C	TYPE 11V FRAME AND GRATE	635.49						631.49		
%	12	12-6	694+00.00	46.7' RT	CB, TYPE C	TYPE 8 GRATE	635.02								632.02
#	12	12-7	694+05.00	2.1' RT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	635.14			631.14					
#	12	12-8	694+45.00	14.2' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	635.16	630.43			624.03				624.03
12	12-9	694+45.00	0.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	634.80						630.57		630.77	
12	12-10	694+90.00	1.0' LT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	634.46				630.46					
12	12-11	695+35.00	1.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	634.13				629.94				630.04	
#	12	12-12	695+75.00	42.0' RT	CB, TYPE C	TYPE 8 GRATE	632.43	629.43							
#	12	12-13	695+75.00	14.2' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.48	629.00			623.78		629.23		623.78
12	12-14	696+75.00	1.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	633.11				629.44		629.14		629.58	
12	12-15	696+00.00	1.0' LT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	633.66								629.66	
12	12-16	85+30.00	30.4' LT	MH, TYPE A, 6'-DIAMETER	TYPE 8 GRATE	632.10						MATCH EX			
12	12-17	85+30.04	19.6' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	633.75				624.88			625.08		
12	12-18	85+30.04	12.1' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.65	623.80			624.80				624.30	
12	12-19	85+30.04	18.2' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	633.52						MATCH EX		624.91	
#	12	12-20	696+83.65	14.1' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.21				623.58		623.58		623.58
12	12-21	697+05.00	32.8' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	632.78				628.78					
#	12	12-22	697+70.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	632.20	627.96							628.16
#	12	12-23	697+70.00	14.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.52				623.42		627.88		623.42
12	12-24	698+30.00	29.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.84				627.84					
12	12-25	698+90.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.55				627.17				627.27	
12	12-26	699+50.00	40.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	630.00	627.23				627.43				
#	12	12-27	699+50.00	29.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.34	626.31					627.15		626.61
#	12	12-28	699+50.00	14.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.66				623.08		626.15		623.08
12	12-29	101+44.18	25.1' LT	PRC FLAR END SEC 12	NONE										628.05
#	12	12-30	101+40.74	20.1' RT	CB, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	629.71	623.10					628.11 (EX)		
#	12	12-31	700+23.62	14.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.43				622.95		622.95		622.95
12	12-32	701+10.00	27.6' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.86				626.86					

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
12	12-33	701+60.00	26.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.71			626.29				626.39	
12	12-34	702+10.00	40.0' RT	INLETS, TYPE A	TYPE 8 GRATE	629.60	626.60							
12	12-35	702+10.00	26.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.56	625.53				626.51		625.83	
#	12	12-36	702+10.00	11.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.88			622.59		625.45		622.59
12	12-37	702+65.00	26.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.40			626.40					
12	12-38	702+95.00	26.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.35			626.03				626.13	
12	12-39	703+20.00	39.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	629.04	626.32			626.52				
12	12-40	703+20.00	26.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.34	625.52				626.26		625.82	
#	12	12-41	703+20.00	11.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.66			621.89		625.44		622.39
12	12-42	111+43.58	23.3' LT	PRC FLAR END SEC 12	NONE									626.80
#	12	12-43	111+69.51	20.0' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.34			621.83		624.42 (EX)		

NOTE:
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 % DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 LEFT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
13	13-1	705+50.00	26.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.33			626.33					
13	13-2	706+00.00	45.5' LT	INLETS, TYPE A	TYPE 8 GRATE	626.11					623.11			
13	13-3	706+00.00	26.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.12	622.97				622.77		625.86	
#	13	13-4	706+00.00	11.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.44	622.69		621.00			621.00	
13	13-5	706+50.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.90			625.90					
13	13-6	706+95.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.71			625.09		624.79		625.48	
#	13	13-7	706+95.00	10.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.03	624.71		620.87			620.87	
13	13-8	707+40.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.51							625.51	
13	13-9	707+95.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.28			625.28					
13	13-10	708+50.00	45.9' LT	INLETS, TYPE A	TYPE 8 GRATE	624.53					622.53			
13	13-11	708+50.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.04	622.37		622.17				624.76	
13	13-12	708+90.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.88			621.71				621.81	
13	13-13	709+32.32	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.82			624.63		621.03		621.33	
#	13	13-14	709+32.32	10.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.14	620.95		620.52			620.52	
13	13-15	709+57.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.84							624.84	
13	13-16	710+40.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.22			625.11		624.91			
#	13	13-17	710+40.00	10.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.54	624.83		620.37			620.37	
13	13-18	710+90.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.67			625.67				625.57	
13	13-19	711+50.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.24							626.24	
13	13-20	712+10.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.81			626.81		626.61			
#	13	13-21	712+10.00	10.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.13	626.53		620.13			620.13	
13	13-22	712+70.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.38							627.38	
13	13-23	713+30.00	25.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.95			627.95		627.75			
#	13	13-24	713+30.00	10.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.27	627.67		619.96			619.96	
13	13-25	713+90.00	25.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	632.52							628.52	
#	13	13-26	713+95.21	10.0' LT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.88			619.88			619.88	
13	13-27	715+12.66	11.3' LT	PRC FLAR END SEC 42	NONE				621.20					

DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
#	14	14-1	704+20.00	26.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 23 FRAME AND GRATE	630.51	621.73						621.73
14	14-2	704+20.00	11.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.83			621.71		621.71		621.71	
14	14-3	705+50.00	37.9' RT	INLETS, TYPE A	TYPE 8 GRATE	627.49	624.49							
14	14-4	705+50.00	26.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.33			624.22		624.42			
14	14-5	705+95.00	26.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	630.14			623.71				623.81	
14	14-6	706+40.00	25.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.94			623.20				623.30	
14	14-7	706+90.00	25.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.73	622.54			624.28			622.74	
#	14	14-8	706+90.00	10.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.05			621.18		622.40		621.18
14	14-9	121+42.28	17.6' LT	PRC FLAR END SEC 18	NONE									625.05
14	14-10	121+40.30	18.4' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.23	621.15				MATCH EX			
#	14	14-11	707+52.89	10.0' RT	MANHOLE, SPECIAL	TYPE 1 FRAME, CLOSED LID	629.78			621.08		621.08		621.08
14	14-12	708+75.00	25.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.93			624.93					
14	14-13	709+32.32	25.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.82	624.09		624.59				624.39	
#	14	14-14	709+32.32	10.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.14			620.73		624.01		620.73
14	14-15	709+62.00	25.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.85							624.85	
14	14-16	710+39.33	39.5' RT	MH, TYPE A, 7'-DIAMETER	TYPE 8 GRATE	625.40	620.60				MATCH EX			
#	14	14-17	710+39.33	10.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.54			620.54		620.54		620.54
%	14	14-18	711+45.00	25.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	630.19	625.90		626.10				
#	14	14-19	711+45.00	10.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.51			620.34		625.85		620.34

DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 RIGHT SYSTEM

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS								
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	
%	14	14-20A	712+00.00	25.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	630.71			626.71				626.61	
%	14	14-20B	712+55.00	25.0' RT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	631.23							627.23	
%	14	14-21	713+10.00	25.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	631.75	627.56		627.76					
#	14	14-22	713+10.00	10.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.07			620.03		627.51		620.03	
%	14	14-23	713+65.00	25.0' RT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	632.28							628.28	
#	14	14-24	713+95.12	10.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.88			619.87				619.87	
#	14	14-25	711+50.00	46.4' RT	MH, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	625.29			621.56					621.56
#	14	14-26	712+50.00	41.3' RT	MH, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	624.99			621.22				621.32	
#	14	14-27	713+66.35	42.3' RT	MH, TYPE A, 6'-DIAMETER	TYPE 8 GRATE	624.64			620.94		MATCH EX		620.94	
#	14	14-28	714+70.44	44.5' RT	PRC FLAR END S EQ RS 36	NONE								620.69	

NOTE:
 * DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS CLOSEST TO THE CENTERLINE OF THE ROAD.
 % DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET WILLOW ROAD STA 716+00 TO STA 728+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS								
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	
#	15	15-1	716+00.00	25.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	632.28			627.63		627.43			
#	15	15-2	716+00.00	11.3' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.59	627.33		621.30				621.30	
#	15	15-3	716+15.00	27.3' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	632.09			628.09					
#	15	15-4	716+30.00	26.8' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.90							627.90	
#	15	15-5	717+00.00	43.8' RT	INLETS, TYPE A	TYPE 8 GRATE	630.93	627.43							
#	15	15-6	717+00.00	30.2' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	631.02	626.97				627.34		627.27	
#	15	15-7A	716+42.75	12.3' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.05			621.35		623.17 (EX)		621.35	
#	15	15-7B	717+00.00	12.8' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.34			621.41		626.55		621.41	
#	15	15-8	717+32.00	26.8' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	631.01					627.01			
#	15	15-9	717+32.00	11.8' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.69	626.90		621.44				621.44	
%	15	15-10	160+56.19	30.1' LT	MH, TYPE A, 6'-DIAMETER	TYPE 23 FRAME AND GRATE	629.54	MATCH EX		622.48		622.48			
#	15	15-11	718+25.00	34.3' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	630.07	626.07							
#	15	15-12A	717+86.23	10.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.58			621.50		623.46 (EX)		621.50	
#	15	15-12B	718+25.00	8.7' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.41	622.04		621.54		625.65		621.54	
#	15	15-13	160+49.98	7.1' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.78	MATCH EX		625.48				622.94	
#	15	15-14	160+47.97	19.2' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.59							625.59	
#	15	15-15	719+45.00	22.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.56			625.56					
#	15	15-16	719+98.07	33.0' LT	CB, TYPE C	TYPE 8 GRATE	629.00					626.00			
#	15	15-17	719+98.07	22.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.35	625.94				624.76		625.06	
#	15	15-18A	719+70.00	36.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.51			625.51					
#	15	15-18B	719+98.07	36.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.40	622.65		624.65		622.95 (EX)		625.26	
#	15	15-19	719+98.07	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.67	624.66		621.74		622.23		621.74	
#	15	15-20	720+20.00	36.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.31			624.92				624.82	
#	15	15-21	720+50.00	36.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.19							625.19	
#	15	15-22	720+70.00	24.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.01			625.01					
#	15	15-23	720+80.00	36.7' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	629.08			625.08					
#	15	15-24A	721+05.00	24.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.87			622.60		622.60		624.69	
#	15	15-24B	721+24.10	26.1' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.75	MATCH EX						622.90	
#	15	15-25	721+05.00	37.4' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.98	624.22		624.52				624.86	
#	15	15-26	721+05.00	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.23	622.36		621.86		623.79		621.86	
#	15	15-27	721+40.00	38.4' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.84							624.84	
#	15	15-28	721+70.00	22.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.64			624.64					
#	15	15-29	721+70.00	39.3' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.73			624.73					
#	15	15-30	722+00.00	31.3' LT	CB, TYPE C	TYPE 8 GRATE	628.48					625.48			
#	15	15-31	722+00.00	22.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.52	625.44		624.48		624.18		624.37	
#	15	15-32	722+00.00	40.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	629.03	623.95		624.25				624.46	
#	15	15-33	722+00.00	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.84	624.08		622.47		623.49		621.97	
#	15	15-34	722+30.00	40.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	628.49			624.60				624.50	
#	15	15-35	722+40.00	22.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.35							624.85	
#	15	15-36	722+60.00	40.0' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	628.37							624.87	
#	15	15-37	190+70.84	30.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	627.11					624.11			
#	15	15-38	723+39.85	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.26	623.81		622.60				622.60	
#	15	15-39	724+25.00	22.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	627.60					624.60			
#	15	15-40	724+25.00	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.92	624.50		622.68				622.68	
#	15	15-41	724+45.00	40.1' RT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	627.65			624.65					
#	15	15-42	724+75.00	38.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	627.53			624.38				624.38	
#	15	15-43	724+95.00	22.0' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	627.31			623.81					
#	15	15-44	725+05.00	22.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	627.27			623.39		623.39		623.74	
#	15	15-45	725+05.00	37.3' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	627.40	623.79		623.79				624.12	
#	15	15-46	725+05.00	7.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.59	623.29				623.36		622.75	
#	15	15-47	725+35.98	22.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	627.22			623.66				623.66	
#	15	15-48	725+35.98	35.8' RT	CB, TYPE A, 4'-DIAMETER	TYPE 23 FRAME AND GRATE	627.28			624.07				624.07	
#	15	15-49	725+56.43	34.8' RT	CB, TYPE C	TYPE 23 FRAME AND GRATE	627.24							624.24	
#	15	15-50	726+30.00	25.5' LT	INLETS, TYPE A	TYPE 23 FRAME AND GRATE	627.57							624.57	

DRAINAGE SHEET WILLOW ROAD STA 728+00 TO STA 740+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
16	16-1	734+55.00	28.7' RT	MH, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	632.96				624.72				
16	16-2	872+76.26	38.7' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	626.87		622.87 (EX)				622.87 (EX)		623.07
16	16-3	736+40.00	36.4' RT	INLETS, TYPE A	TYPE 8 GRATE	626.60			624.10					
16	16-4	737+03.44	28.5' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	626.81			623.45 (EX)	MATCH EX				623.55 (EX) 623.51

NOTE:
 * DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS CLOSEST TO THE CENTERLINE OF THE ROAD.
 % DRAINAGE STRUCTURE TO BE TURNED SO THAT THE FRAME OR GRATE IS FURTHEST FROM THE CENTERLINE OF THE ROAD.

DRAINAGE SHEET ILLINOIS ROUTE 43 STA 505+00 TO STA 518+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
17	17-1	508+25.00	46.1' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	665.73			661.73					
17	17-2	508+25.00	36.7' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	665.98	657.97 (EX)		661.48		657.93 (EX)		661.67	
17	17-3	508+25.00	32.7' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	666.16							662.16	
17	17-4	509+58.00	0.2' RT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	668.20	664.20							
17	17-5	510+23.57	49.6' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	667.83			662.37 (EX)					
17	17-6	510+24.38	3.9' LT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	668.75			661.86 (EX)		663.56		661.82 (EX)	
17	17-7	510+23.74	51.3' RT	CB, TYPE C	TYPE 8 GRATE	665.89							662.89	
17	17-8	510+23.90	37.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	668.19			662.80				662.33 (EX)	
17	17-9	512+84.23	36.1' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	669.78	663.45			663.70 (EX)	663.45 (EX)			663.95 (EX)

DRAINAGE SHEET ILLINOIS ROUTE 43 STA 518+00 TO STA 530+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
18	18-1	518+00.00	9.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	669.91	664.93				665.03			
18	18-2	518+30.00	39.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	669.50	664.22				664.32			
18	18-3	518+50.00	51.0' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	669.08					665.08			
18	18-4	518+55.00	9.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	670.08	664.32				664.42			
18	18-5	518+80.00	9.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	670.15	665.36		663.81		664.11			
18	18-6	518+80.00	39.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	669.84			663.05		663.76		663.55	
18	18-7	518+80.00	53.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	668.09	662.72						662.97	
18	18-8	519+24.31	15.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	670.28	665.86				665.76			
18	18-9	519+50.00	15.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	670.36	666.18				666.08			
18	18-10	519+80.00	15.0' RT	INLETS, TYPE A	TYPE 11V FRAME AND GRATE	670.45					666.45			
18	18-11	520+75.00	56.3' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	669.61	661.55				661.75			
18	18-12	522+80.00	34.9' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	666.46		662.46						
18	18-13	522+80.00	10.9' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	667.42		661.94				662.04		
18	18-14	522+80.00	49.7' RT	CB, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	666.20					660.48	661.60		655.98
18	18-15	524+00.00	8.5' RT	CB, TYPE C	TYPE 11V FRAME AND GRATE	663.91								659.91
18	18-16	524+68.89	5.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 11V FRAME AND GRATE	661.68		657.47		657.67				
18	18-17	524+68.89	50.3' RT	CB, TYPE A, 5'-DIAMETER	TYPE 8 GRATE	660.00				655.03		657.06		654.78
18	18-18	525+35.00	41.0' LT	INLETS, TYPE A	TYPE 24 FRAME AND GRATE	658.40		654.40						
18	18-19	525+35.00	47.5' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	658.82				654.48		653.51		644.48
18	18-20	527+18.72	48.8' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	653.16	643.38			643.58				
18	18-21	527+30.99	62.1' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.84					643.34	648.64 (EX)		643.24 (EX)

DRAINAGE SHEET INTERSTATE 94 RAMP A STA 811+00 TO STA 822+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
19	19-1	814+40.61	19.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	624.44				618.94		MATCH EX		
19	19-2	816+06.61	19.4' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	623.78				617.22				617.32
19	19-3	817+14.79	16.7' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	624.10		MATCH EX		618.27				616.19
19	19-4	818+14.28	17.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	623.78				619.46		MATCH EX		619.21
19	19-5	819+16.19	19.8' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	623.45								620.45

DRAINAGE SHEET INTERSTATE 94 RAMP D STA 850+00 TO STA 862+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS							
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST
20	20-1	851+74.13	24.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	621.20								617.70
20	20-2	851+84.13	24.6' RT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	621.32				617.64				617.39
20	20-3	852+48.97	28.2' RT	EXISTING MANHOLE	EXISTING GRATE	623.03		(EX)		616.79 (EX)		(EX)		(EX)
20	20-4	857+45.43	26.9' RT	EXISTING MANHOLE	EXISTING GRATE	623.15				(EX)				618.02 (EX)
20	20-5	857+98.00	23.7' RT	MH, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	622.67				618.40				618.65
20	20-6	858+93.07	23.4' RT	MH, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	622.38				619.38				

DRAINAGE SHEET WILLOW ROAD STA 625+00 TO STA 637+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
1	1-1	1-4	1-5	STORM SEWERS	A	1	12	4.0	1.00%	0.3
1	1-2	1-7	1-6	STORM SEWERS	A	1	12	8.0	1.00%	1.0

DRAINAGES SHEET WILLOW ROAD STA 637+00 TO STA 649+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
2	2-1	2-3	2-2	STORM SEWERS	A	2	12	2.7	0.56%	0.6
2	2-2	2-6	2-5	STORM SEWERS	A	1	12	8.4	0.56%	0.0
2	2-3	2-7	2-8	STORM SEWERS	A	2	12	13.8	1.00%	2.1
2	2-4	18-3	2-11	STORM SEWERS	A	2	12	103.3	1.00%	19.7
2	2-5	2-11	2-12	STORM SEWERS	A	2	12	22.7	1.00%	5.4
2	2-6	2-12	2-13	STORM SEWERS	A	2	15	24.9	1.00%	0.0
2	2-7	2-13	2-14	STORM SEWERS	A	2	15	49.7	1.00%	47.0
2	2-8	2-15	18-1	STORM SEWERS	A	2	12	52.3	1.00%	10.7
2	2-9	2-16	2-15	STORM SEWERS	A	1	12	13.7	1.00%	1.9
2	2-10	2-18	2-17	STORM SEWERS	A	1	12	21.1	1.00%	3.1
2	2-11	2-17	18-2	STORM SEWERS	A	2	12	65.9	1.00%	14.6
2	2-12	2-19	2-20	STORM SEWERS	A	1	12	26.5	1.00%	3.5
2	2-13	2-21	2-20	STORM SEWERS	A	1	12	24.5	1.00%	3.7
2	2-14	2-20	2-23	STORM SEWERS	A	1	15	186.0	1.75%	33.9
2	2-15	2-22	2-23	STORM SEWERS	A	1	12	24.5	1.00%	2.5
2	2-16	2-24	2-23	STORM SEWERS	A	1	12	13.5	1.00%	1.7
2	2-17	2-23	2-27	STORM SEWERS	A	1	15	206.0	1.75%	32.3
2	2-18	2-25	2-26	STORM SEWERS	A	1	12	6.7	1.00%	0.0
2	2-19	2-26	2-27	STORM SEWERS	A	1	12	15.5	1.00%	1.3
2	2-20	2-27	4-1	STORM SEWERS	A	1	18	98.1	0.75%	17.5

DRAINAGE SHEET WILLOW ROAD STA 637+00 TO STA 649+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
3	3-1	3-2	3-1	STORM SEWERS	A	1	12	23.5	1.00%	2.5
3	3-2	3-1	3-3	STORM SEWERS	A	1	12	14.6	1.00%	2.1
3	3-3	3-3	17-9	STORM SEWERS	A	2	18	176.8	0.55%	58.8
3	3-4	3-5	3-3	STORM SEWERS	A	2	15	19.6	0.50%	4.1
3	3-5	3-4	3-5	STORM SEWERS	A	1	12	13.2	1.00%	1.8
3	3-6	3-6	3-5	STORM SEWERS, RG	A	2	15	60.0	0.50%	12.1
3	3-7	3-7	3-6	STORM SEWERS (WM REQ)			12	31.0	0.50%	3.8
3	3-8	3-8	3-7	STORM SEWERS (WM REQ)			12	20.8	0.50%	2.0
3	3-9	3-9	3-10	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.3
3	3-10	3-10	3-12	STORM SEWERS	A	1	15	196.0	1.75%	0.0
3	3-11	3-11	3-12	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.3
3	3-12	3-12	3-14	STORM SEWERS, RG	A	1	15	196.0	1.75%	0.0
3	3-13	3-13	3-14	STORM SEWERS, RG	A	1	12	13.8	1.00%	0.2
3	3-14	3-14	5-1A	STORM SEWERS (WM REQ)			18	98.5	0.50%	2.9

DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
4	4-1	4-2	4-3	STORM SEWERS	A	1	12	39.6	1.00%	3.3
4	4-2	4-3	4-6	STORM SEWERS	A	1	12	63.8	1.00%	10.3
4	4-3	4-5	4-4	STORM SEWERS	A	1	15	8.4	1.00%	0.0
4	4-4	4-6	4-5	STORM SEWERS	A	1	12	11.7	1.00%	0.0
4	4-5	4-8	4-7	STORM SEWERS	A	1	12	17.8	1.00%	0.4
4	4-6	4-9	4-10	STORM SEWERS	A	1	12	47.0	1.00%	7.7
4	4-7	4-10	4-11	STORM SEWERS	A	2	12	46.3	1.00%	9.6
4	4-8	4-11	4-12	STORM SEWERS	A	2	12	14.5	1.00%	0.0
4	4-9	4-13	4-14	STORM SEWERS	A	2	12	67.8	1.00%	12.6
4	4-10	4-14	4-16	STORM SEWERS	A	2	12	7.2	1.00%	1.3
4	4-11	4-16	4-15	STORM SEWERS	A	2	12	20.9	1.00%	0.0
4	4-12	4-17	4-16	STORM SEWERS	A	2	12	44.1	1.00%	9.2
4	4-13	4-18	4-17	STORM SEWERS	A	1	12	47.0	1.00%	7.8

DRAINAGE SHEET WILLOW ROAD STA 649+00 TO STA 661+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
5	5-1	5-1B	5-1A	STORM SEWERS, RG	A	1	12	7.2	1.00%	0.0
5	5-2	N/A	5-1B	STORM SEWERS	A	1	12	13.9	0.06%	0.0
5	5-3	5-3	5-4	STORM SEWERS (WM REQ)			12	39.7	1.00%	3.8
5	5-4	5-4	5-6	STORM SEWERS (WM REQ)			12	66.4	1.00%	10.9
5	5-5	5-6	5-5	STORM SEWERS, RG	A	2	12	13.9	1.00%	0.0
5	5-6	5-8	5-7	STORM SEWERS, RG	A	1	12	11.2	1.00%	0.4
5	5-7	5-9	5-10	STORM SEWERS (WM REQ)			12	47.0	1.00%	7.1
5	5-8	5-10	5-12	STORM SEWERS (WM REQ)			12	46.0	1.00%	8.8
5	5-9	5-12	5-11	STORM SEWERS, RG	A	2	12	8.7	1.00%	0.0
5	5-10	5-13	5-14	STORM SEWERS (WM REQ)			12	57.8	1.00%	8.2
5	5-11	5-14	5-16	STORM SEWERS (WM REQ)			12	13.8	1.00%	2.2
5	5-12	5-16	5-15	STORM SEWERS, RG	A	2	12	6.5	1.00%	0.0
5	5-13	5-17	5-16	STORM SEWERS (WM REQ)			12	48.4	1.00%	8.1
5	5-14	5-18	5-19	STORM SEWERS, RG	A	1	12	10.1	1.00%	0.0

DRAINAGE SHEETS WILLOW ROAD STA 661+00 TO STA 672+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
6	6-1	6-2	6-1	STORM SEWERS (WM REQ)			12	7.3	1.00%	0.5
6	6-2	6-4	6-3	STORM SEWERS	A	1	12	6.9	1.00%	0.4
6	6-3	6-5	6-7	STORM SEWERS	A	1	12	92.0	1.00%	5.7
6	6-4	6-7	6-6	STORM SEWERS	A	1	12	1.6	1.00%	0.0
6	6-5	6-8	6-9	STORM SEWERS	A	1	EQ RS 30	20.3	0.75%	4.3
6	6-6	6-9	6-13	STORM SEWERS	A	1	EQ RS 30	70.1	0.75%	18.4
6	6-7A	6-10	6-11	STORM SEWERS	A	1	12	32.0	1.00%	3.9
6	6-7B	6-11	6-12A	STORM SEWERS	A	1	12	38.1	1.00%	5.3
6	6-8A	6-12A	6-12B	STORM SEWERS, RG	A	2	30	5.6	1.00%	6.7
6	6-8B	6-12B	6-13	STORM SEWERS (WM REQ)			30	39.5	1.00%	73.8
6	6-9	6-13	6-23	STORM SEWERS, RG	A	2	48	218.2	0.50%	468.1
6	6-10	6-14	6-15	STORM SEWERS	A	1	12	62.0	1.00%	9.7
6	6-11	6-15	6-16	STORM SEWERS	A	2	12	61.0	1.00%	10.7
6	6-12	6-18	6-16	STORM SEWERS	A	2	12	62.0	1.00%	12.9
6	6-13			NOT USED						
6	6-14	6-16	6-23	STORM SEWERS	A	2	12	14.0	1.00%	4.0
6	6-15	6-19	6-20	STORM SEWERS (WM REQ)			12	82.0	1.00%	11.8
6	6-16	6-21	6-20	STORM SEWERS, RG	A	1	12	7.9	1.00%	0.0
6	6-17	6-20	6-22	STORM SEWERS (WM REQ)			15	66.0	1.00%	45.5
6	6-18	6-22	6-23	STORM SEWERS	A	2	15	38.0	1.00%	28.9
6	6-19	6-23	6-27	STORM SEWERS, RG	A	2	48	119.0	0.50%	247.9
6	6-20	6-24	6-26	STORM SEWERS (WM REQ)			12	57.0	1.00%	8.7
6	6-21	6-25	6-26	STORM SEWERS (WM REQ)			12	6.9	1.00%	0.0
6	6-22	6-26	6-27	STORM SEWERS (WM REQ)			15	37.9	1.00%	9.8
6	6-23	6-28	6-26	STORM SEWERS (WM REQ)			12	61.0	1.00%	13.0
6	6-24	6-29	6-28	STORM SEWERS (WM REQ)			12	19.5	1.00%	2.2
6	6-25	6-27	6-33	STORM SEWERS, RG	A	2	48	134.0	0.50%	263.4
6	6-26	6-30	6-31	STORM SEWERS	A	1	12	65.5	1.00%	10.4
6	6-27	6-31	6-32	STORM SEWERS	A	2	12	7.5	1.00%	1.0
6	6-28	6-32	6-33	STORM SEWERS	A	2	12	22.3	1.00%	5.1
6	6-29	6-33	8-2	STORM SEWERS	A	2	48	165.0	0.50%	308.5
6	6-30	6-34	6-35	STORM SEWERS (WM REQ)			12	32.0	1.00%	4.7
6	6-31	6-35	6-37	STORM SEWERS (WM REQ)			12	25.5	1.00%	3.9
6	6-32	6-36	6-37	STORM SEWERS, RG	A	1	12	7.0	1.00%	0.0
6	6-33	6-37	8-1	STORM SEWERS (WM REQ)			12	49.3	1.00%	8.4

DRAINAGE SHEETS WILLOW ROAD STA 661+00 TO STA 672+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
7	7-1	7-1	7-3	STORM SEWERS, RG	A	1	12	67.0	1.00%	9.6
7	7-2	7-3	7-2	STORM SEWERS, RG	A	1	12	8.0	1.00%	0.0
7	7-3	7-5	7-4	STORM SEWERS, RG	A	1	12	12.7	1.00%	0.0
7	7-4	7-6	7-7	STORM SEWERS	A	1	12	62.0	1.00%	8.4
7	7-5	7-7	7-8	STORM SEWERS	A	1	12	61.0	1.00%	8.1
7	7-6	7-8	N/A	STORM SEWERS, RG	A	1	12	5.8	1.00%	0.0
7	7-7	7-9	7-10	STORM SEWERS	A	1	12	8.3	1.00%	0.6
7	7-8	7-10	7-13	STORM SEWERS (WM REQ)			12	39.3	1.00%	3.7
7	7-9	7-11	7-14	STORM SEWERS	A	1	EQ RS 30	59.6	0.50%	16.1
7	7-10	7-12	7-13	STORM SEWERS (WM REQ)			12	8.4	1.00%	0.6
7	7-11	7-13	7-14	STORM SEWERS (WM REQ)			12	17.0	1.00%	1.8
7	7-12	7-14	6-13	STORM SEWERS	A	1	EQ RS 30	43.8	0.50%	11.4

DRAINAGE SHEET WILLOW ROAD STA 672+00 TO STA 683+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
8	8-1	8-1	8-2	STORM SEWERS, RG	A	2	12	37.3	1.00%	9.7
8	8-2	8-2	8-6	STORM SEWERS	A	2	48	146.4	0.50%	257.8
8	8-3	8-3	8-4	STORM SEWERS, RG	A	1	12	7.2	1.00%	0.0
8	8-4	8-4	8-8	STORM SEWERS (WM REQ)			12	83.2	1.00%	10.1
8	8-5	8-5	8-6	STORM SEWERS	A	1	12	35.2	1.00%	2.1
8	8-6	8-7	8-6	STORM SEWERS	A	1	12	4.3	1.00%	0.4
8	8-7	8-9	8-5	STORM SEWERS	A	1	12	45.3	1.00%	2.5
8	8-8	8-6	8-12	STORM SEWERS, RG	A	2	48	135.4	0.50%	220.3
8	8-9	8-8	8-10	STORM SEWERS (WM REQ)			12	78.3	1.00%	11.2
8	8-10	8-10	8-11	STORM SEWERS, RG	A	2	12	29.0	1.00%	5.7
8	8-11	8-11	8-12	STORM SEWERS	A	2	12	4.3	1.00%	0.8
8	8-12	8-12	8-16	STORM SEWERS	A	2	48	101.0	0.50%	185.8
8	8-13	8-13	8-14	STORM SEWERS, RG	A	1	12	7.2	1.00%	0.0
8	8-14	8-14	8-15	STORM SEWERS, RG	A	2	12	29.0	1.00%	4.3
8	8-15	8-15	8-16	STORM SEWERS	A	2	12	10.8	1.00%	2.5
8	8-16	8-16	8-19	STORM SEWERS	A	2	48	96.1	0.50%	199.5
8	8-17	8-17	8-18	STORM SEWERS, RG	A	2	12	29.0	1.00%	5.3
8	8-18	8-18	8-19	STORM SEWERS	A	2	12	10.8	1.00%	2.9
8	8-19	8-19	8-22	STORM SEWERS	A	2	48	96.1	0.50%	190.8
8	8-20	8-20	8-21	STORM SEWERS, RG	A	2	12	29.0	1.00%	7.5
8	8-21	8-21	8-22	STORM SEWERS	A	2	12	10.8	1.00%	5.8
8	8-22	8-23	8-22	STORM SEWERS	A	2	12	15.9	1.00%	1.4
8	8-23	8-22	8-25	STORM SEWERS	A	2	48	85.9	0.50%	162.7
8	8-24	8-24	8-25	STORM SEWERS	A	2	12	10.8	1.00%	1.7
8	8-25	8-25	8-29	STORM SEWERS	A	2	48	110.6	0.50%	190.7
8	8-26	8-26	8-20	STORM SEWERS (WM REQ)			12	48.1	1.00%	6.4
8	8-27	8-27	8-28	STORM SEWERS (WM REQ)			12	90.3	1.00%	12.9
8	8-28	8-28	8-29	STORM SEWERS, RG	A	2	12	43.8	1.00%	11.5
8	8-29	8-29	8-41	STORM SEWERS	A	2	48	224.0	0.50%	328.0
8	8-30	8-30	8-32	STORM SEWERS	A	1	12	47.0	1.00%	6.7
8	8-31	8-31	8-34	STORM SEWERS (WM REQ)			12	67.0	1.00%	10.5
8	8-32	8-32	8-35	STORM SEWERS	A	1	12	51.0	1.00%	7.6
8	8-33	8-33	8-34	STORM SEWERS, RG	A	1	12	7.1	1.00%	0.0
8	8-34	8-36	8-35	STORM SEWERS	A	1	12	4.2	1.00%	0.0
8	8-35	8-35	8-38	STORM SEWERS	A	2	12	76.0	1.00%	13.8
8	8-36	8-34	8-37	STORM SEWERS (WM REQ)			12	51.0	1.00%	9.4
8	8-37	8-37	8-39	STORM SEWERS (WM REQ)			12	31.0	1.00%	6.0
8	8-38	8-38	8-41	STORM SEWERS	A	2	12	4.3	1.00%	0.5
8	8-39	8-40	8-41	STORM SEWERS	A	2	12	12.5	1.00%	6.6
8	8-40	8-39	8-40	STORM SEWERS, RG	A	2	12	27.3	1.00%	8.3
8	8-41	8-42	8-39	STORM SEWERS (WM REQ)			12	57.0	1.00%	11.6
8	8-42	8-41	9-10	STORM SEWERS	A	2	48	289.0	0.50%	346.6

DRAINAGE SHEET WILLOW ROAD STA 683+00 TO STA 693+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
9	9-1	9-1	9-4	STORM SEWERS	A	1	12	72.0	1.00%	11.0
9	9-2	9-2	9-6	STORM SEWERS (WM REQ)			12	57.0	1.00%	8.0
9	9-3	9-3	9-4	STORM SEWERS	A	2	12	6.6	1.00%	0.0
9	9-4	9-4	9-7	STORM SEWERS	A	2	12	71.0	1.00%	24.4
9	9-5	9-5	9-6	STORM SEWERS, RG	A	1	12	9.5	1.00%	0.0
9	9-6	9-6	9-8	STORM SEWERS (WM REQ)			12	56.0	1.00%	11.4
9	9-7	9-7	9-9	STORM SEWERS	A	2	12	76.0	1.00%	28.2
9	9-8	9-8	9-12	STORM SEWERS (WM REQ)			12	51.0	1.00%	11.2
9	9-9	9-9	9-10	STORM SEWERS	A	2	12	4.3	1.00%	1.5
9	9-10	9-11	9-12	STORM SEWERS, RG	A	1	12	17.2	1.00%	3.4
9	9-11	9-12	9-10	STORM SEWERS, RG	A	2	15	43.8	1.00%	14.3
9	9-12	9-10	9-17	STORM SEWERS	A	2	48	158.5	0.50%	156.3
9	9-13	9-13	9-19	STORM SEWERS (WM REQ)			12	107.0	1.00%	17.8
9	9-14	9-14	9-15	STORM SEWERS	A	1	12	4.5	1.00%	0.0
9	9-15	9-15	9-16	STORM SEWERS	A	2	12	81.0	1.00%	15.9
9	9-16	9-16	9-17	STORM SEWERS	A	2	12	4.3	1.00%	0.5
9	9-17	9-18	9-19	STORM SEWERS (WM REQ)			12	6.5	1.00%	0.0
9	9-18	9-19	9-17	STORM SEWERS, RG	A	2	12	42.8	1.00%	9.4
9	9-19	9-17	9-21	STORM SEWERS	A	2	60	64.0	0.20%	63.8
9	9-20	9-23	9-22	STORM SEWERS	A	1	12	27.4	1.00%	4.4
9	9-21	9-20	9-21	STORM SEWERS	A	1	12	4.3	1.00%	0.4
9	9-22	9-22	9-21	STORM SEWERS	A	2	12	17.8	1.00%	2.7
9	9-23	9-21	9-27	STORM SEWERS	A	2	60	108.8	0.20%	103.9
9	9-24	9-24	9-26	STORM SEWERS	A	1	12	26.8	1.00%	4.2
9	9-25	9-25	9-26	STORM SEWERS	A	2	12	15.7	1.00%	2.3
9	9-26	9-26	9-27	STORM SEWERS	A	2	12	4.3	1.00%	1.7
9	9-27	9-27	9-29	STORM SEWERS	A	2	60	88.0	0.20%	93.5
9	9-28	9-28	9-29	STORM SEWERS	A	1	12	4.3	1.00%	0.4
9	9-29	9-29	9-30	STORM SEWERS	A	2	60	100.7	0.20%	138.6
9	9-30	9-30	9-32	STORM SEWERS, RG	A	2	60	76.2	0.20%	129.3
9	9-31	9-31	9-32	STORM SEWERS	A	1	12	17.0	1.00%	3.4
9	9-32	9-32	11-2	STORM SEWERS	A	2	60	160.4	0.20%	297.7
9	9-33	9-33	9-19	STORM SEWERS (WM REQ)			12	9.0	1.00%	1.1

DRAINAGE SHEET WILLOW ROAD STA 683+00 TO STA 693+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
10	10-1	10-1	10-2	STORM SEWERS, RG	A	1	36	18.6	1.00%	3.5
10	10-2	10-2	10-4	STORM SEWERS	A	2	42	162.5	0.10%	163.4
10	10-3	10-3	10-4	STORM SEWERS, RG	A	1	12	21.2	1.00%	2.0
10	10-4	10-4	10-5	STORM SEWERS, RG	A	2	42	160.7	0.10%	216.1
10	10-5	10-5	12-2	STORM SEWERS	A	2	60	153.3	0.20%	276.8

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
11	11-1	12-1	11-1	STORM SEWERS (WM REQ)			42	66.2	0.50%	91.1
11	11-2	11-2	11-5	STORM SEWERS	A	2	60	82.4	0.20%	144.8
11	11-3	11-3	11-4	STORM SEWERS	A	1	12	8.6	1.00%	1.5
11	11-4	11-4	11-5	STORM SEWERS	A	1	12	4.3	1.00%	0.3
11	11-5	11-5	11-8	STORM SEWERS	A	2	60	149.0	0.20%	244.2
11	11-6	11-6	11-7	STORM SEWERS	A	1	12	74.3	1.00%	12.1
11	11-7	11-7	11-8	STORM SEWERS	A	2	12	8.8	1.00%	1.6
11	11-8	11-8	11-12	STORM SEWERS, RG	A	2	60	102.4	0.20%	152.1
11	11-9	11-9	11-10	STORM SEWERS	A	1	12	38.8	1.00%	6.1
11	11-10	11-10	11-11	STORM SEWERS (WM REQ)			12	24.1	1.00%	4.5
11	11-11	11-11	11-12	STORM SEWERS (WM REQ)			12	15.2	1.00%	3.5
11	11-12	11-12	11-17	STORM SEWERS	A	2	60	177.5	0.20%	231.0
11	11-13	11-13	11-14	STORM SEWERS	A	1	12	37.0	1.00%	5.6
11	11-14	11-14	11-15	STORM SEWERS	A	2	12	36.0	1.00%	6.2
11	11-15	11-15	11-16	STORM SEWERS	A	2	12	36.0	1.00%	7.1
11	11-16	11-16	11-17	STORM SEWERS	A	2	12	8.0	1.00%	1.6
11	11-17	11-18	11-16	STORM SEWERS	A	2	12	37.0	1.00%	6.4
11	11-18	11-17	11-24	STORM SEWERS	A	2	66	197.0	0.15%	234.2
11	11-19	11-19	11-20	STORM SEWERS	A	1	12	37.0	1.00%	5.9
11	11-20	11-20	11-21	STORM SEWERS	A	2	12	36.0	1.00%	7.0

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 LEFT SYSTEM - CONTINUED

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
11	11-21	11-21	11-23	STORM SEWERS	A	2	12	41.0	1.00%	9.5
11	11-22			NOT USED						
11	11-23	11-23	11-24	STORM SEWERS	A	2	12	8.0	1.00%	1.9
11	11-24	11-25	11-23	STORM SEWERS	A	2	12	42.0	1.00%	7.4
11	11-25	11-24	11-31	STORM SEWERS	A	2	66	212.0	0.15%	217.1
11	11-26	11-26	11-27	STORM SEWERS	A	1	12	42.0	1.00%	6.8
11	11-27	11-27	11-28	STORM SEWERS	A	2	12	41.0	1.00%	8.3
11	11-28	11-28	11-29	STORM SEWERS	A	2	12	21.0	1.00%	4.7
11	11-29	11-29	11-30	STORM SEWERS	A	2	12	16.0	1.00%	3.8
11	11-30	11-32	11-30	STORM SEWERS	A	2	12	47.0	1.00%	8.0
11	11-31	11-30	11-31	STORM SEWERS	A	2	12	8.0	1.00%	2.0
11	11-32	11-31	13-4	STORM SEWERS	A	2	66	272.0	0.15%	292.6

DRAINAGE SHEET WILLOW ROAD STA 693+00 TO STA 704+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
12	12-1	12-2	12-4	STORM SEWERS	A	2	60	7.8	0.20%	10.2
12	12-2	12-3	12-4	STORM SEWERS (WM REQ)			18	15.2	1.00%	15.6
12	12-3	12-5	12-4	STORM SEWERS	A	2	12	8.6	1.00%	1.1
12	12-4	12-6	12-3	STORM SEWERS (WM REQ)			12	34.8	1.00%	0.0
12	12-5	12-4	12-8	STORM SEWERS	A	2	66	73.7	0.20%	128.6
12	12-6	12-7	12-9	STORM SEWERS	A	1	12	37.1	1.00%	5.5
12	12-7	12-9	12-8	STORM SEWERS	A	2	12	13.7	1.00%	2.4
12	12-8	12-8	12-13	STORM SEWERS	A	2	66	124.3	0.20%	178.8
12	12-9	12-10	12-11	STORM SEWERS	A	1	12	41.9	1.00%	6.4
12	12-10	12-11	12-14	STORM SEWERS	A	1	12	35.9	1.00%	4.8
12	12-11	12-12	12-13	STORM SEWERS, RG	A	1	12	19.8	1.00%	1.3
12	12-12	12-14	12-13	STORM SEWERS	A	2	12	14.3	1.00%	2.2
12	12-13	12-15	12-14	STORM SEWERS	A	1	12	22.0	1.00%	2.8
12	12-14	12-13	12-20	STORM SEWERS	A	2	66	100.8	0.20%	118.1
12	12-15	12-16	12-17	STORM SEWERS	A	2	12	1.8	2.00%	0.0
12	12-16	12-17	12-18	STORM SEWERS (WM REQ)			12	28.7	2.00%	28.6
12	12-17	12-18	12-20	STORM SEWERS (WM REQ)			42	45.0	0.50%	60.5
12	12-18	12-19	12-18	STORM SEWERS	A	2	18	5.1	2.00%	3.3
12	12-19	12-20	12-23	STORM SEWERS, RG	A	2	66	77.9	0.20%	82.7
12	12-20	12-21	12-22	STORM SEWERS (WM REQ)			12	61.6	1.00%	9.4
12	12-21	12-22	12-23	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.2
12	12-22	12-23	12-28	STORM SEWERS	A	1	66	172.0	0.20%	153.5
12	12-23	12-24	12-25	STORM SEWERS (WM REQ)			12	57.0	1.00%	9.4
12	12-24	12-25	12-27	STORM SEWERS (WM REQ)			12	56.0	1.00%	11.5
12	12-25	12-26	12-27	STORM SEWERS, RG	A	1	12	4.0	2.00%	0.0
12	12-26	12-27	12-28	STORM SEWERS, RG	A	2	15	8.0	2.00%	1.8
12	12-27	12-29	12-26	PIPE CULVERTS	A	1	12	24.7	2.00%	1.7
12	12-28	12-28	12-31	STORM SEWERS	A	1	66	65.1	0.20%	50.0
12	12-29	12-30	12-31	STORM SEWERS, RG	A	2	36	35.3	0.42%	22.4
12	12-30	12-31	12-36	STORM SEWERS	A	1	66	177.9	0.20%	130.4
12	12-31	12-32	12-33	STORM SEWERS (WM REQ)			12	47.0	1.00%	7.8
12	12-32	12-33	12-35	STORM SEWERS (WM REQ)			12	46.0	1.00%	9.5
12	12-33	12-34	12-35	STORM SEWERS, RG	A	1	12	9.0	1.00%	0.0
12	12-34	12-35	12-36	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.7
12	12-35	12-36	12-41	STORM SEWERS	A	1	66	102.0	0.20%	70.4
12	12-36	12-37	12-38	STORM SEWERS (WM REQ)			12	27.0	1.00%	4.2
12	12-37	12-38	12-40	STORM SEWERS (WM REQ)			12	21.0	1.00%	3.8
12	12-38	12-39	12-40	STORM SEWERS, RG	A	1	12	6.0	1.00%	0.0
12	12-39	12-40	12-41	STORM SEWERS, RG	A	2	15	8.0	1.00%	1.6
12	12-40	12-42	12-39	PIPE CULVERTS	A	1	12	22.3	1.00%	1.5
12	12-41	12-41	14-2	STORM SEWERS	A	1	72	91.5	0.20%	73.8
12	12-42	12-43	14-1	STORM SEWERS (WM REQ)			36	24.5	0.40%	25.5

DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 LEFT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
13	13-1	13-1	13-3	STORM SEWERS	A	1	12	47.0	1.00%	7.6
13	13-2	13-2	13-3	STORM SEWERS	A	2	12	14.5	1.00%	3.8
13	13-3	13-3	13-4	STORM SEWERS	A	2	12	8.0	1.00%	4.9
13	13-4	13-4	13-7	STORM SEWERS	A	2	66	87.0	0.15%	90.6
13	13-5	13-5	13-6	STORM SEWERS	A	1	12	42.0	1.00%	6.7
13	13-6	13-6	13-7	STORM SEWERS	A	2	12	8.0	1.00%	1.6
13	13-7	13-8	13-6	STORM SEWERS	A	2	12	42.0	1.00%	7.5
13	13-8	13-7	13-14	STORM SEWERS	A	1	66	229.3	0.15%	209.2
13	13-9	13-9	13-11	STORM SEWERS	A	1	12	52.0	1.00%	8.5
13	13-10	13-10	13-11	STORM SEWERS	A	2	12	15.9	1.00%	2.0
13	13-11	13-11	13-12	STORM SEWERS	A	2	12	36.0	1.00%	24.8
13	13-12	13-12	13-13	STORM SEWERS	A	2	12	38.3	1.00%	28.5
13	13-13	13-13	13-14	STORM SEWERS	A	2	12	8.0	1.00%	5.4
13	13-14	13-15	13-13	STORM SEWERS	A	1	12	21.7	1.00%	3.3
13	13-15	13-14	13-17	STORM SEWERS, RG	A	1	66	99.7	0.15%	90.1
13	13-16	13-16	13-17	STORM SEWERS	A	2	12	8.0	1.00%	1.3
13	13-17	13-18	13-16	STORM SEWERS	A	1	12	46.0	1.00%	7.3
13	13-18	13-19	13-18	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-19	13-17	13-21	STORM SEWERS	A	2	66	162.0	0.15%	215.1
13	13-20	13-20	13-21	STORM SEWERS	A	2	12	8.0	1.00%	1.2
13	13-21	13-22	13-20	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-22	13-21	13-24	STORM SEWERS	A	2	66	112.0	0.15%	209.2
13	13-23	13-23	13-24	STORM SEWERS	A	2	12	8.0	1.00%	1.2
13	13-24	13-25	13-23	STORM SEWERS	A	1	12	57.0	1.00%	8.6
13	13-25	13-24	13-26	STORM SEWERS	A	2	66	56.7	0.15%	123.4
13	13-26	15-2	13-27	STORM SEWERS, RG	A	2	42	76.7	0.12%	141.3

DRAINAGE SHEET WILLOW ROAD STA 704+00 TO STA 716+00 RIGHT SYSTEM

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
14	14-1	14-1	14-2	STORM SEWERS, RG	A	2	36	7.0	0.40%	6.0
14	14-2	14-2	14-8	STORM SEWERS	A	1	72	261.0	0.20%	218.5
14	14-3	14-3	14-4	STORM SEWERS, RG	A	2	12	6.9	1.00%	0.0
14	14-4	14-4	14-5	STORM SEWERS (WM REQ)			12	41.0	1.00%	15.2
14	14-5	14-5	14-6	STORM SEWERS (WM REQ)			12	41.0	1.00%	25.7
14	14-6	14-6	14-7	STORM SEWERS (WM REQ)			12	46.0	1.00%	31.3
14	14-7	14-7	14-8	STORM SEWERS, RG	A	2	18	7.0	2.00%	4.2
14	14-8	14-9	14-7	PIPE CULVERTS	A	1	18	32.5	2.00%	5.0
14	14-9	14-8	14-11	STORM SEWERS	A	1	72	54.4	0.20%	40.1
14	14-10	14-10	14-11	STORM SEWERS, RG	A	2	42	39.0	0.20%	29.4
14	14-11	14-11	14-14	STORM SEWERS	A	1	72	171.0	0.20%	114.6
14	14-12	14-12	14-13	STORM SEWERS (WM REQ)			12	54.3	1.00%	9.3
14	14-13	14-13	14-14	STORM SEWERS, RG	A	2	12	8.0	1.00%	1.5
14	14-14	14-15	14-13	STORM SEWERS (WM REQ)			12	26.7	1.00%	4.1
14	14-15	14-14	14-17	STORM SEWERS, RG	A	1	72	98.5	0.20%	70.9
14	14-16	14-16	14-17	STORM SEWERS, RG	A	2	36	15.5	0.40%	6.3
14	14-17	14-17	14-19	STORM SEWERS	A	2	72	97.2	0.20%	101.5
14	14-18	14-18	14-19	STORM SEWERS, RG	A	2	12	5.5	1.00%	0.7
14	14-19A	14-20A	14-18	STORM SEWERS (WM REQ)			12	51.0	1.00%	8.1
14	14-19B	14-20B	14-20A	STORM SEWERS	A	2	12	52.0	1.00%	7.8
14	14-20	14-19	14-22	STORM SEWERS	A	2	72	157.0	0.20%	253.9
14	14-21	14-21	14-22	STORM SEWERS	A	2	12	5.5	1.00%	0.7
14	14-22	14-23	14-21	STORM SEWERS	A	1	12	52.0	1.00%	7.8
14	14-23	14-22	14-24	STORM SEWERS	A	2	72	76.6	0.20%	162.1
14	14-24									

DRAINAGE SHEET WILLOW ROAD STA 716+00 TO STA 728+00 – CONTINUED

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
15	15-7	15-9	15-7B	STORM SEWERS	A	2	42	27.0	0.12%	34.2
15	15-8	15-8	15-9	STORM SEWERS	A	1	12	11.0	1.00%	1.3
15	15-9A	15-12A	15-9	STORM SEWERS	A	2	42	48.8	0.12%	58.6
15	15-9B	15-12B	15-12A	STORM SEWERS	A	2	42	32.3	0.12%	36.4
15	15-10	15-10	15-12B	STORM SEWERS	A	2	15	29.7	1.50%	24.2
15	15-11	15-11	15-12B	STORM SEWERS, RG	A	2	12	42.0	1.00%	7.8
15	15-12	15-13	15-10	STORM SEWERS, RG	A	2	15	30.5	1.50%	21.1
15	15-13	15-14	15-13	STORM SEWERS, RG	A	1	12	11.2	1.00%	1.6
15	15-14	15-19	15-12B	STORM SEWERS, RG	A	2	42	166.8	0.12%	172.6
15	15-15	15-15	15-17	STORM SEWERS	A	1	12	50.2	1.00%	8.2
15	15-16	15-16	15-17	STORM SEWERS	A	1	12	6.0	1.00%	0.0
15	15-17	15-17	15-19	STORM SEWERS	A	2	12	10.0	1.00%	1.9
15	15-18A	15-18A	15-18B	STORM SEWERS (WM REQ)			12	25.0	1.00%	3.7
15	15-18B	15-18B	15-19	STORM SEWERS, RG	A	2	18	42.0	1.00%	31.2
15	15-19	15-26	15-19	STORM SEWERS	A	2	42	101.0	0.12%	83.8
15	15-20	15-20	15-18B	STORM SEWERS (WM REQ)			12	17.8	1.00%	3.6
15	15-21	15-21	15-20	STORM SEWERS (WM REQ)			12	26.9	1.00%	4.4
15	15-22	15-22	15-24A	STORM SEWERS	A	1	12	32.1	1.00%	5.0
15	15-23	15-23	15-25	STORM SEWERS (WM REQ)			12	21.9	1.00%	3.2
15	15-24A	15-24A	15-26	STORM SEWERS	A	2	18	12.0	2.00%	6.8
15	15-24B	15-24B	15-24A	STORM SEWERS	A	2	18	15.2	2.00%	5.2
15	15-25	15-25	15-26	STORM SEWERS, RG	A	2	12	43.4	1.00%	11.2
15	15-26	15-33	15-26	STORM SEWERS	A	2	42	89.1	0.12%	61.3
15	15-27	15-27	15-25	STORM SEWERS (WM REQ)			12	31.9	1.00%	5.4
15	15-28	15-28	15-31	STORM SEWERS	A	1	12	27.1	1.00%	4.1
15	15-29	15-29	15-32	STORM SEWERS (WM REQ)			12	27.0	1.00%	4.6
15	15-30	15-30	15-31	STORM SEWERS	A	1	12	4.3	1.00%	0.0
15	15-31	15-32	15-33	STORM SEWERS, RG	A	2	12	46.0	1.00%	12.5
15	15-32	15-31	15-33	STORM SEWERS	A	2	12	10.0	1.00%	1.7
15	15-33	15-35	15-31	STORM SEWERS	A	1	12	37.1	1.00%	4.6
15	15-34	15-34	15-32	STORM SEWERS (WM REQ)			12	25.9	1.00%	4.7
15	15-35	15-38	15-33	STORM SEWERS, RG	A	1	36	133.9	0.10%	43.5
15	15-36	15-36	15-34	STORM SEWERS (WM REQ)			12	26.9	1.00%	3.1
15	15-37	15-37	15-38	STORM SEWERS	A	1	12	59.5	0.50%	7.3
15	15-38	15-40	15-38	STORM SEWERS	A	1	EQ RS 36	79.1	0.10%	50.2
15	15-39	15-39	15-40	STORM SEWERS, RG	A	1	12	10.0	1.00%	0.6
15	15-40	15-46	15-40	STORM SEWERS	A	1	EQ RS 36	73.8	0.10%	40.2
15	15-41	15-41	15-42	STORM SEWERS	A	1	12	27.2	1.00%	1.5
15	15-42	15-42	15-45	STORM SEWERS	A	1	12	26.2	1.00%	1.8
15	15-43	15-43	15-44	STORM SEWERS (WM REQ)			12	7.0	1.00%	0.5
15	15-44	15-44	15-46	STORM SEWERS, RG	A	1	12	10.0	1.00%	1.3
15	15-45	15-45	15-46	STORM SEWERS	A	1	12	43.3	1.00%	6.1
15	15-46	15-47	15-44	STORM SEWERS (WM REQ)			12	26.9	1.00%	3.1
15	15-47	15-48	15-45	STORM SEWERS	A	1	12	27.2	1.00%	2.4
15	15-48	15-50	15-47	STORM SEWERS (WM REQ)			12	90.7	1.00%	7.1
15	15-49	15-49	15-48	STORM SEWERS	A	1	12	17.6	1.00%	1.0

DRAINAGE SHEET WILLOW ROAD STA 728+00 TO STA 740+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
16	16-1	16-1	16-2	STORM SEWERS	A	2	12	82.4	2.00%	18.6
16	16-2	16-3	16-4	STORM SEWERS	A	1	12	59.1	1.00%	8.7

DRAINAGE SHEET ILLINOIS ROUTE 43 STA 505+00 TO STA 518+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
17	17-1	17-1	17-2	STORM SEWERS	A	1	12	6.4	1.00%	0.8
17	17-2	17-3	17-2	STORM SEWERS, RG	A	2	12	68.4	1.00%	12.1
17	17-3	17-4	17-6	STORM SEWERS	A	2	12	63.6	1.00%	13.4
17	17-4	17-7	17-8	STORM SEWERS, RG	A	2	12	9.2	1.00%	0.0

DRAINAGE SHEET ILLINOIS ROUTE 43 STA 518+00 TO STA 530+00

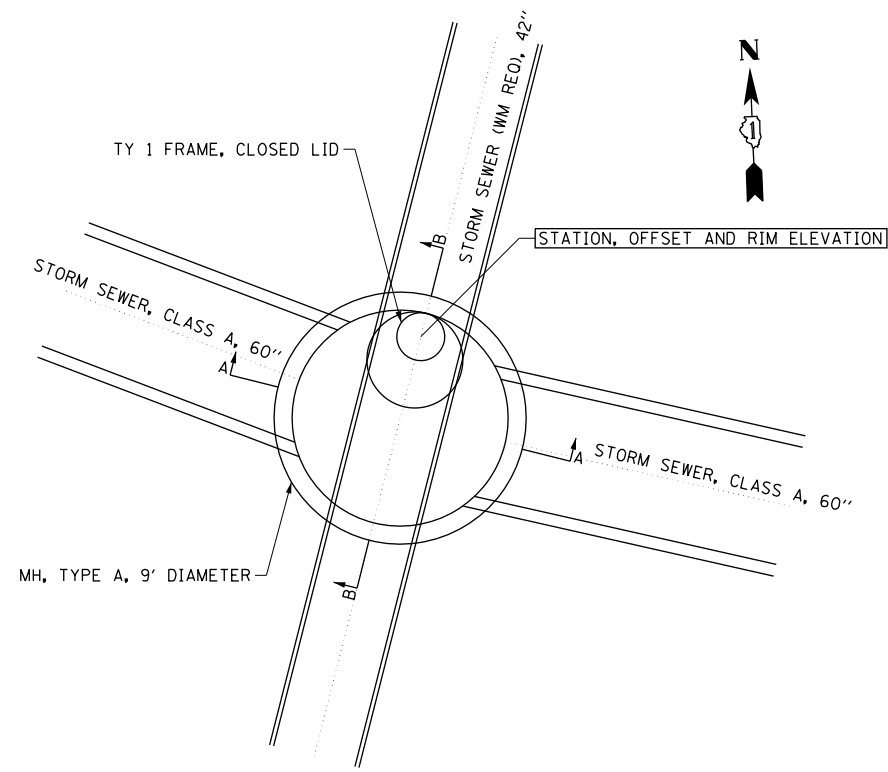
SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
18	18-1	18-1	18-4	STORM SEWERS	A	2	12	51.0	1.00%	14.4
18	18-2	18-4	18-5	STORM SEWERS	A	2	12	21.0	1.00%	6.7
18	18-3	18-2	18-6	STORM SEWERS	A	2	12	46.0	1.00%	14.6
18	18-4	18-5	18-6	STORM SEWERS	A	2	12	26.0	1.00%	15.0
18	18-5	18-6	18-7	STORM SEWERS	A	2	15	7.7	1.00%	0.0
18	18-6	18-8	18-5	STORM SEWERS	A	2	12	40.4	1.00%	8.6
18	18-7	18-7	18-11	STORM SEWERS	A	2	18	195.1	0.50%	0.0
18	18-8	18-9	18-8	STORM SEWERS	A	2	12	21.7	1.00%	3.8
18	18-9	18-10	18-9	STORM SEWERS	A	1	12	27.0	1.00%	4.1
18	18-10	18-11	18-14	STORM SEWERS	A	2	18	213.3	0.50%	0.0
18	18-11	18-12	18-13	STORM SEWERS	A	2	12	41.7	1.00%	8.2
18	18-12	18-13	18-14	STORM SEWERS	A	2	12	34.8	1.00%	7.3
18	18-13	18-14	18-17	STORM SEWERS	A	2	24	189.7	0.50%	0.0
18	18-14	18-15	18-16	STORM SEWERS	A	1	12	65.9	3.40%	18.5
18	18-15	18-16	18-17	STORM SEWERS	A	1	12	40.8	1.00%	4.1
18	18-16	18-17	18-19	STORM SEWERS	A	1	24	60.8	0.50%	8.3
18	18-17	18-18	18-19	STORM SEWERS	A	2	12	88.5	1.00%	19.4
18	18-18	18-19	18-20	STORM SEWERS	A	2	30	179.0	0.50%	332.0
18	18-19	18-20	18-21	STORM SEWERS	A	2	30	8.9	0.50%	3.3

DRAINAGE SHEET INTERSTATE 94 RAMP A STA 811+00 TO STA 822+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
19	19-1	19-1	19-2	STORM SEWERS	A	2	18	162.0	1.00%	0.0
19	19-2	19-2	19-3	STORM SEWERS	A	2	18	103.5	1.00%	52.9
19	19-3	19-4	19-3	STORM SEWERS	A	2	18	94.5	1.00%	61.6
19	19-4	19-5	19-4	STORM SEWERS	A	1	15	98.9	1.00%	0.0

DRAINAGE SHEET INTERSTATE 94 RAMP D STA 850+00 TO STA 862+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO							
20	20-1	20-1	20-2	STORM SEWERS	A	1	15	6.0	1.00%	0.0
20	20-2	20-2	20-3	STORM SEWERS	A	2	18	59.9	1.00%	0.0
20	20-3	20-5	20-4	STORM SEWERS	A	1	18	47.6	0.80%	0.0
20	20-4	20-6	20-5	STORM SEWERS	A	1	15	91.1	0.80%	0.0

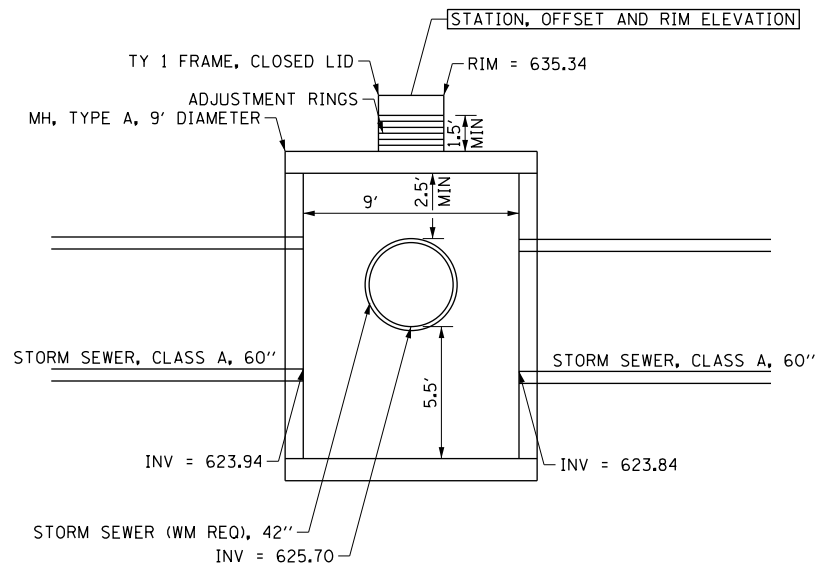


PLAN VIEW
STRUCTURE NO. 11-2

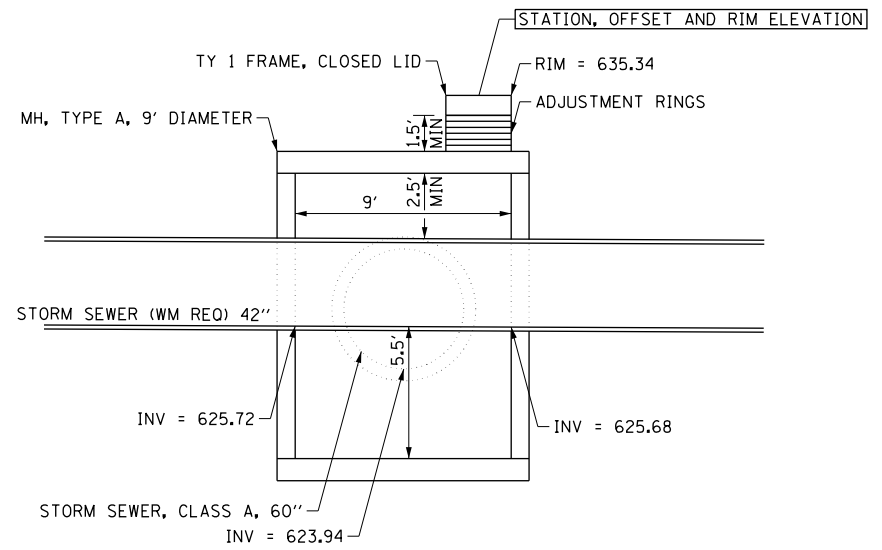
NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE AND IN ACCORDANCE WITH HIGHWAY STANDARD 602421-03.
2. SEE HIGHWAY STANDARDS 602601-02, 602701-02 AND 604001-03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. THE CONTRACT UNIT PRICE FOR EACH SHALL INCLUDE ALL EXCAVATION, BACKFILL, CONCRETE, REINFORCEMENT, FRAME, LID AND OTHER INCIDENTALS AS SPECIFIED ON THIS DETAIL AND AS DIRECTED BY THE ENGINEER.
4. ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PREFABRICATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EACH STRUCTURE.
5. STATION, OFFSET AND RIM ELEVATION PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.

A FULLY ENCLOSED, CONTINUOUS SEGMENT OF 42" STORM SEWER (WM REQ) PIPE SHALL PASS THROUGH THE STRUCTURE AS SHOWN IN THIS DETAIL. THIS PIPE SHALL NOT DISCHARGE INTO THE STRUCTURE, BUT RATHER SHALL REMAIN FULLY INDEPENDENT AND SEPARATE FROM THE PROPOSED WILLOW ROAD MAINLINE STORM SEWER. THE PRECAST OPENINGS IN THE STRUCTURE WALLS SHALL BE TIGHTLY SEALED AFTER INSTALLATION OF THE 42" PIPE TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH STRUCTURE.



SECTION A-A



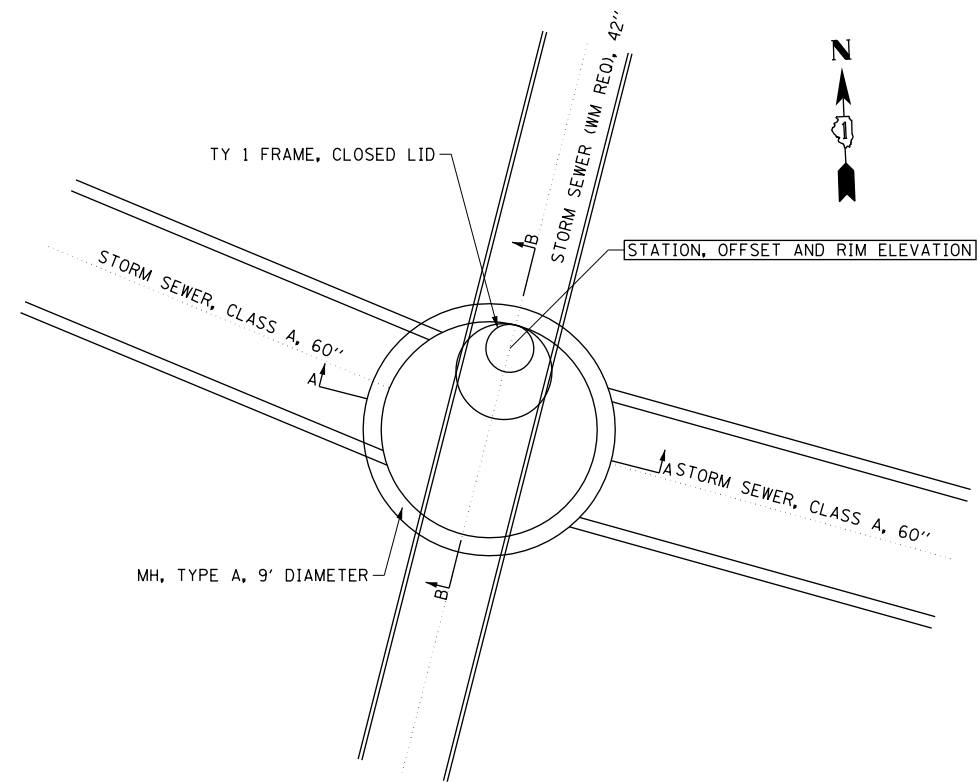
SECTION B-B

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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS STRUCTURE NUMBER 11-2	
SCALE: N.T.S.	SHEET NO. 212 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	212
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

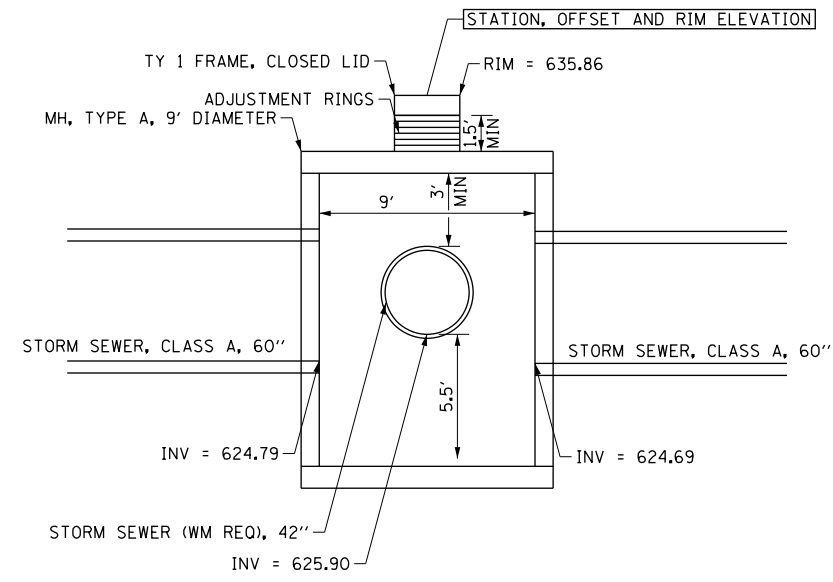


PLAN VIEW
STRUCTURE NO. 12-2

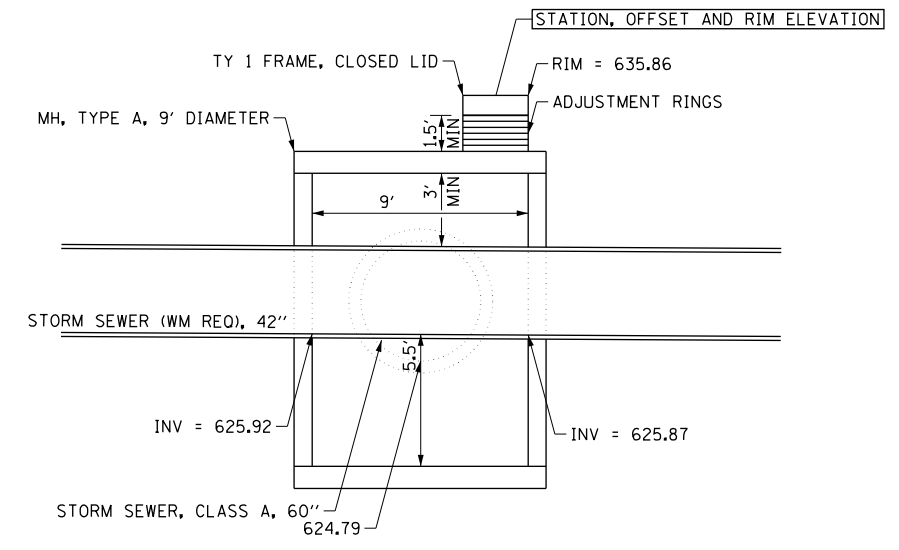
NOTES:

1. STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE AND IN ACCORDANCE WITH HIGHWAY STANDARD 602421-03.
2. SEE HIGHWAY STANDARDS 602601-02, 602701-02 AND 604001-03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
3. THE CONTRACT UNIT PRICE FOR EACH SHALL INCLUDE ALL EXCAVATION, BACKFILL, CONCRETE, REINFORCEMENT, FRAME, LID AND OTHER INCIDENTALS AS SPECIFIED ON THIS DETAIL AND AS DIRECTED BY THE ENGINEER.
4. ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PREFABRICATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EACH STRUCTURE.
5. STATION, OFFSET AND RIM ELEVATION PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.

A FULLY ENCLOSED, CONTINUOUS SEGMENT OF 42" STORM SEWER (WM REQ) PIPE SHALL PASS THROUGH THE STRUCTURE AS SHOWN IN THIS DETAIL. THIS PIPE SHALL NOT DISCHARGE INTO THE STRUCTURE, BUT RATHER SHALL REMAIN FULLY INDEPENDENT AND SEPARATE FROM THE PROPOSED WILLOW ROAD MAINLINE STORM SEWER. THE PRECAST OPENINGS IN THE STRUCTURE WALLS SHALL BE TIGHTLY SEALED AFTER INSTALLATION OF THE 42" PIPE TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EACH STRUCTURE.



SECTION A-A



SECTION B-B

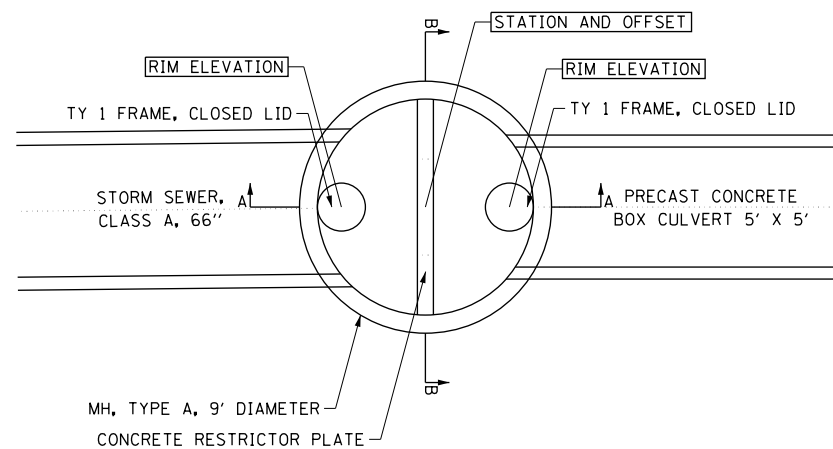
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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

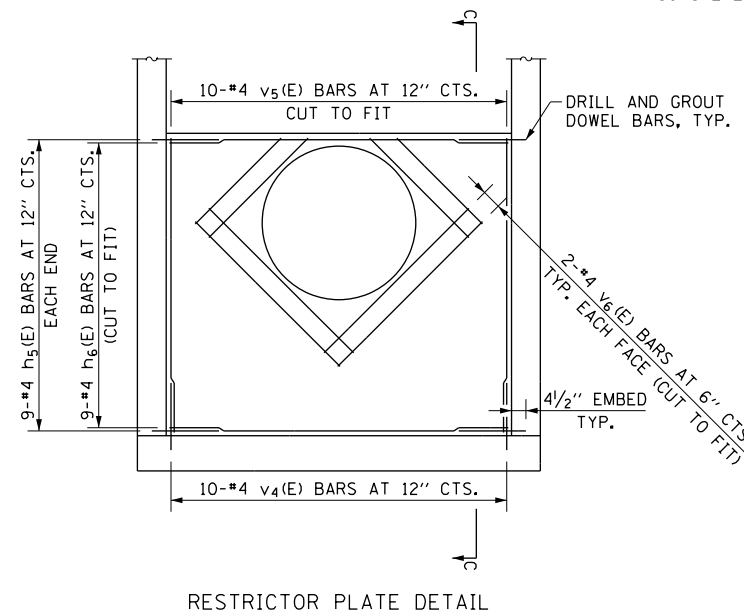
**DRAINAGE DETAILS
STRUCTURE NUMBER 12-2**

SCALE: N.T.S. SHEET NO. 213 OF 919 SHEETS

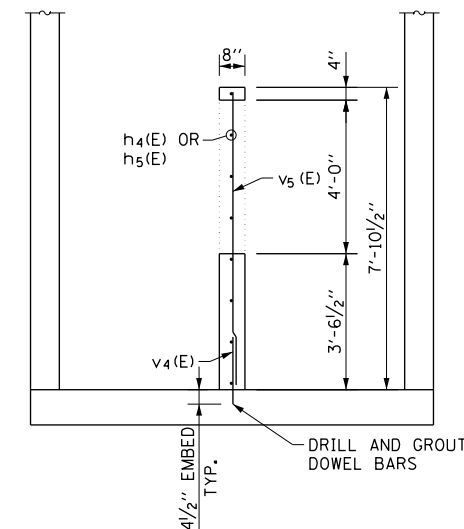
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)R	COOK	919	213
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



PLAN VIEW
STRUCTURE NO. 13-26



RESTRICTOR PLATE DETAIL

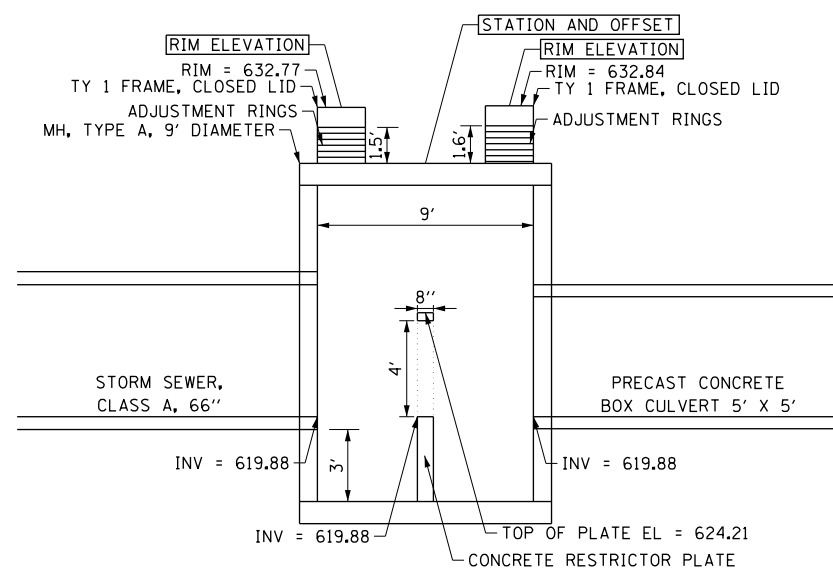


SECTION C-C

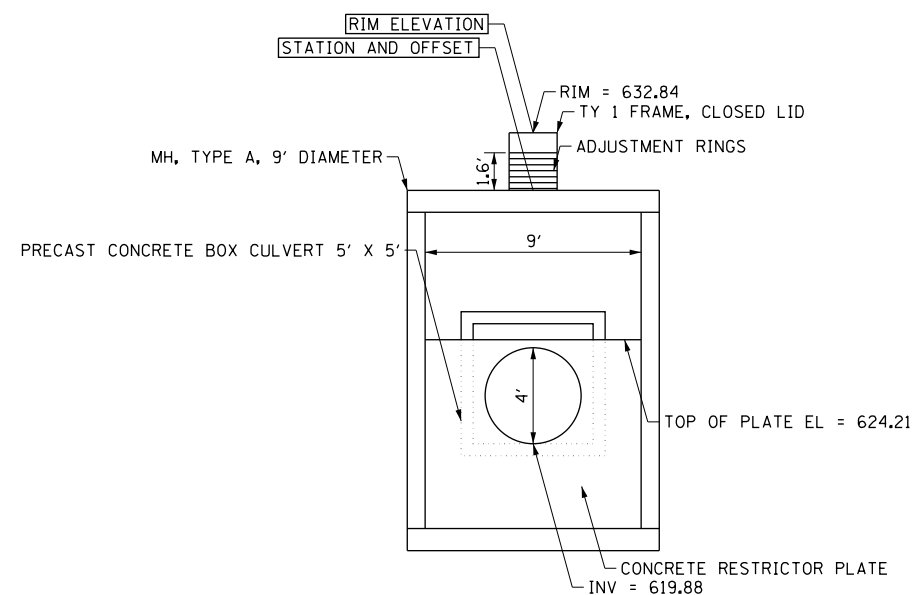
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h ₅ (E)	18	#4	2'-2"	—
h ₆ (E)	9	#4	8'-9"	—
v ₄ (E)	10	#4	2'-2"	—
v ₅ (E)	10	#4	7'-7"	—
v ₆ (E)	8	#4	5'-4"	—
CONCRETE STRUCTURES			CU YD	1.5
REINFORCEMENT BARS, EPOXY COATED			POUND	180

- NOTES:**
- STRUCTURE SHALL BE PRECAST REINFORCED CONCRETE AND IN ACCORDANCE WITH HIGHWAY STANDARD 602421-03.
 - SEE HIGHWAY STANDARDS 602601-02, 602701-02 AND 604001-03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
 - THE CONTRACT UNIT PRICE FOR EACH SHALL INCLUDE ALL EXCAVATION, BACKFILL, CONCRETE, REINFORCEMENT, FRAME, LID AND OTHER INCIDENTALS AS SPECIFIED ON THIS DETAIL AND AS DIRECTED BY THE ENGINEER.
 - ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND PREFABRICATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR EACH STRUCTURE.
 - STATION AND OFFSET PROVIDED ARE AT THE CENTER OF THE PROPOSED STRUCTURE. RIM ELEVATIONS PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.
 - CONCRETE FOR THE RESTRICTOR PLATE SHALL CONSIST OF CLASS SI CONCRETE.



SECTION A-A



SECTION B-B

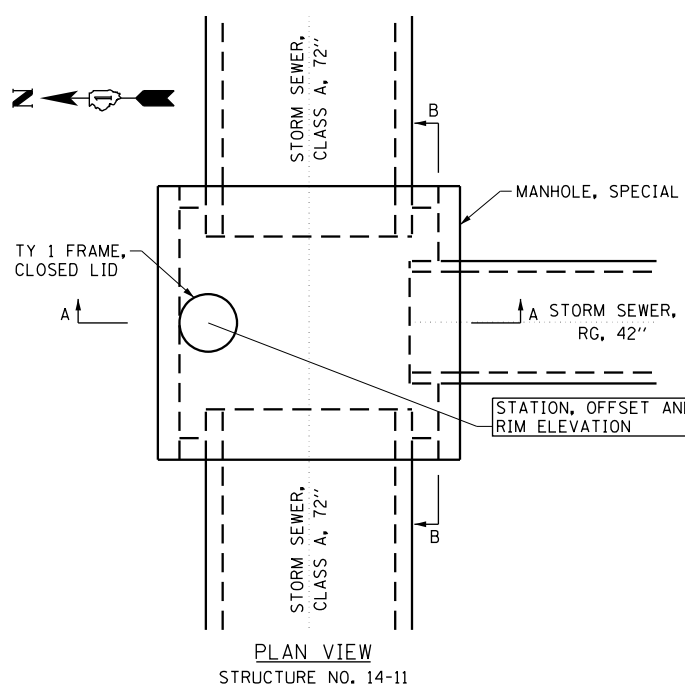
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	PLOT DATE = 11/30/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

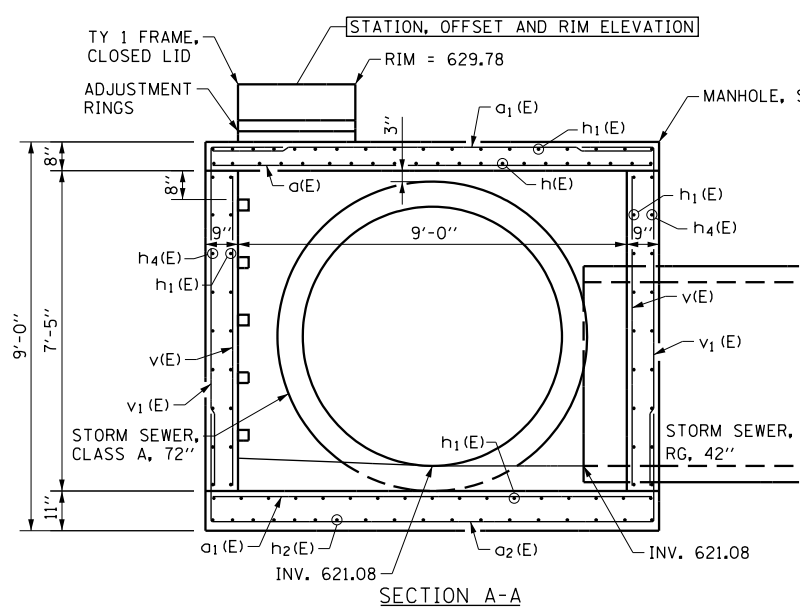
**DRAINAGE DETAILS
STRUCTURE NUMBER 13-26**

SCALE: N.T.S. SHEET NO. 214 OF 919 SHEETS

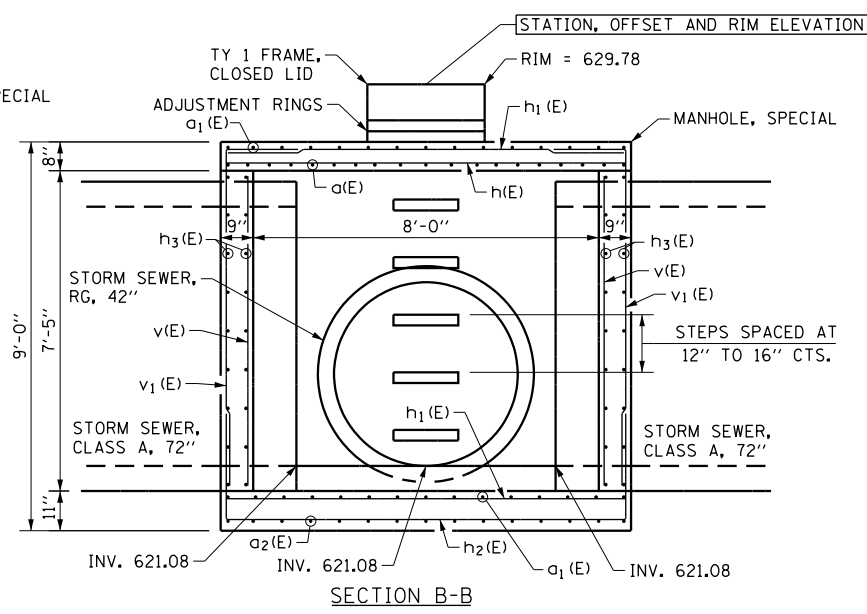
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	214
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



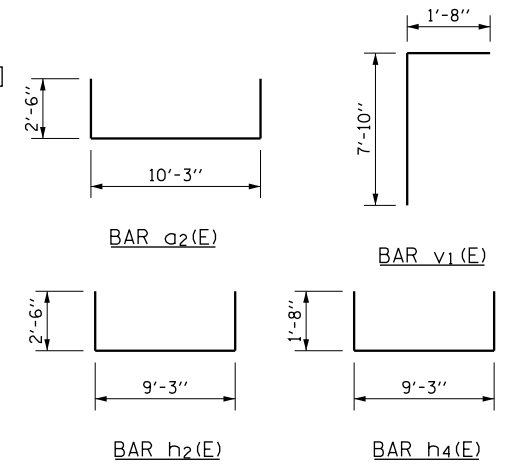
PLAN VIEW
STRUCTURE NO. 14-11



SECTION A-A



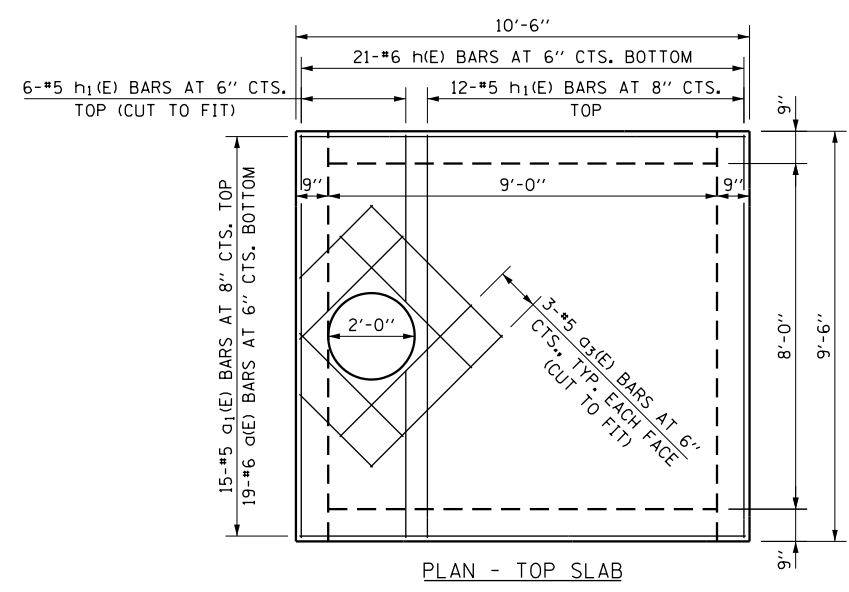
SECTION B-B



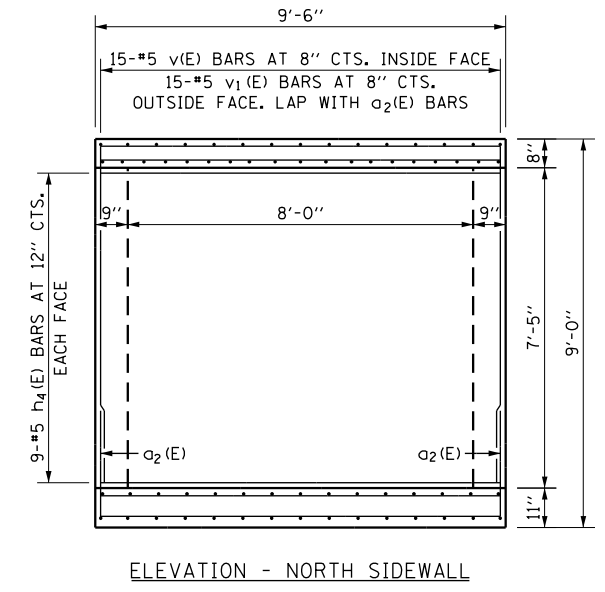
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a1(E)	19	#6	10'-3"	—
a2(E)	30	#5	10'-3"	—
a3(E)	15	#5	15'-3"	—
a4(E)	24	#5	4'-4"	—
h1(E)	21	#6	9'-3"	—
h2(E)	35	#5	9'-3"	—
h3(E)	18	#5	14'-3"	—
h4(E)	36	#5	10'-3"	—
v1(E)	21	#5	7'-2"	—
v2(E)	60	#5	9'-6"	—
v3(E)	24	#5	6'-7"	—
v4(E)	48	#5	4'-0"	—
* CONCRETE STRUCTURES			CU YD	12.3
* REINFORCEMENT BARS, EPOXY COATED			POUND	4,130

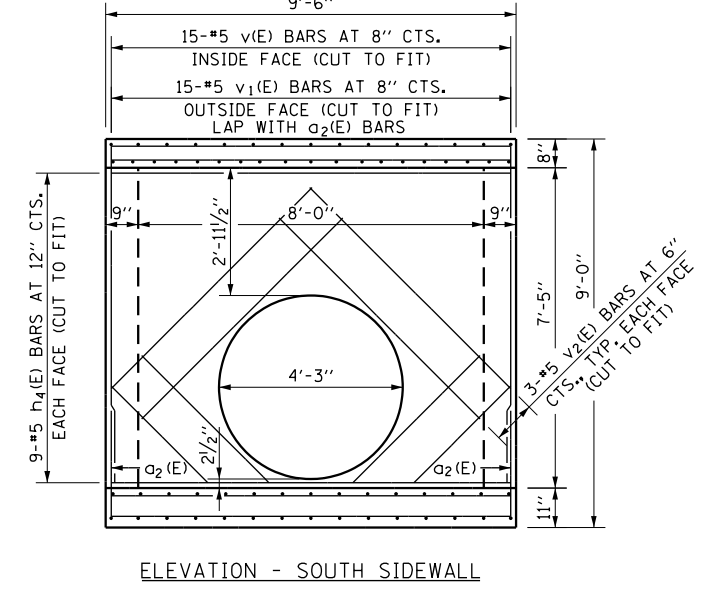
* COST OF CONCRETE STRUCTURES AND REINFORCEMENT BARS, EPOXY COATED IS INCLUDED WITH MANHOLE, SPECIAL.



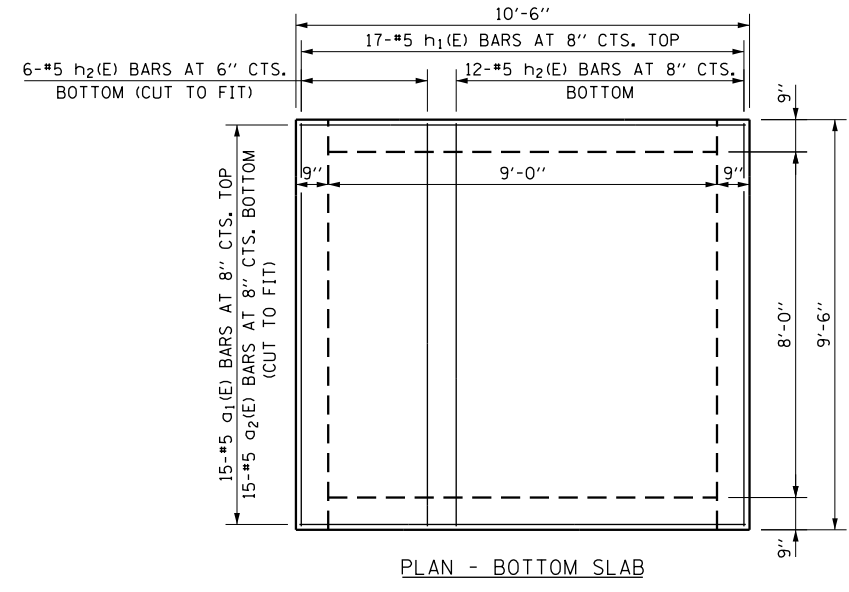
PLAN - TOP SLAB



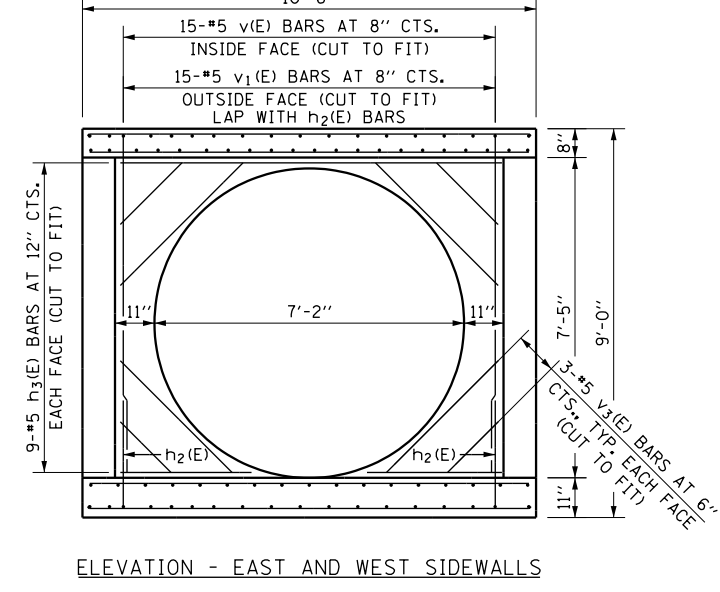
ELEVATION - NORTH SIDEWALL



ELEVATION - SOUTH SIDEWALL



PLAN - BOTTOM SLAB



ELEVATION - EAST AND WEST SIDEWALLS

NOTES:

- A PRECAST REINFORCED CONCRETE ALTERNATE SHALL BE ALLOWED FOR THIS STRUCTURE. SHOP PLANS AND CALCULATIONS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER ACCORDING TO THE APPLICABLE REQUIREMENTS OF ARTICLE 504 OF THE STANDARD SPECIFICATIONS.
- SEE HIGHWAY STANDARDS 602701-02 AND 604001-03 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- THE CONTRACT UNIT PRICE FOR EACH SHALL INCLUDE ALL EXCAVATION, BACKFILL, CONCRETE, REINFORCEMENT, FRAME, LID AND OTHER INCIDENTALS AS SPECIFIED ON THIS DETAIL AND AS DIRECTED BY THE ENGINEER.
- ALL INVERTS AND ELEVATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS AND CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR MANHOLE, SPECIAL.
- STATION, OFFSET AND RIM ELEVATION PROVIDED ARE AT THE CENTER OF THE PROPOSED FRAME AND LID.

FILE NAME =	USER NAME = BAW:tor.t	DESIGNED - JRM	REVISED -
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		CHECKED - MDS	REVISED -
		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS
STRUCTURE NUMBER 14-11

SCALE: N.T.S. SHEET NO. 214A OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01.1518.2022&1922.4BR)	COOK	919	214A
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

GENERAL NOTES

1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE VILLAGE OF NORTHFIELD, ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
2. THE STANDARD SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.
3. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
4. BEFORE ACCEPTANCE BY THE VILLAGE AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE VILLAGE OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
5. WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL CONSTRUCTION WILL BE INSPECTED BY THE ENGINEER AND/OR THE VILLAGE. SPECIFICALLY ALL TRENCHES AND PIPE SHALL BE LEFT OPEN (BUT SAFELY BARRICADED) UNTIL INSPECTED AND APPROVED.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT.
8. WHEN A CONFLICT BETWEEN PLANS AND SPECIFICATIONS OR NOTES OCCURS, THE ENGINEER SHALL DECIDE WHICH GOVERNS. GENERALLY, THE MORE RESTRICTIVE, MORE SPECIFIC, OR STRICTER PROVISION SHALL GOVERN.
9. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
10. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND DEPARTMENT ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, JULI.I.E., THE RESPECTIVE VILLAGE, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
11. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

UTILITY/IEPA NOTES

1. THE CONTRACTOR SHALL PROVIDE A LIST OF WATER SERVICE MEASUREMENTS TO THE VILLAGE AND TO THE ENGINEER AT THE CONCLUSION OF THE JOB.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE VILLAGE OF NORTHFIELD AT (847) 441-3810 AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THE WATER MAIN.
3. UNDERGROUND WORK SHALL INCLUDE TRENCHING, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. CONTRACTOR SHALL PROVIDE "AS BUILT" DRAWINGS OF ALL WATERMAIN INSTALLATIONS.
4. DFW NON-SHEAR COUPLINGS AS MANUFACTURED BY NDS COMPANY OR APPROVED EQUAL SHALL BE USED FOR CONNECTIONS OF NEW PIPE TO EXISTING PIPE, AND WHERE DISSIMILAR PIPE AND JOINT MATERIALS ARE ENCOUNTERED. COUPLINGS SHALL BE A MINIMUM OF 8 INCHES LONG FOR CONNECTIONS OF 4-INCH THROUGH 8-INCH PIPE AND A MINIMUM OF 12 INCHES LONG FOR CONNECTIONS ON LARGER PIPES (THESE ARE SPECIAL ORDER ITEMS). NO STAINLESS STEEL SHEAR RINGS WILL BE ALLOWED.
6. ALL WATERMAIN TRENCHES BENEATH PROPOSED OR EXISTING UTILITIES, PROPOSED OR EXISTING PAVEMENT, DRIVEWAYS, SIDEWALKS AND WITHIN THE ZONE OF INFLUENCE OF SUCH IMPROVEMENTS, AND/OR WHEREVER ELSE SHOWN ON THE CONSTRUCTION PLAN SHALL BE BACKFILLED WITH TRENCH BACKFILL AND THOROUGHLY COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
7. ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER OR TO THE FRAME, CONE SECTION OF THE STRUCTURE USING RESILIENT, FLEXIBLE, NON-HARDENING, PREFORMED, BITUMINOUS MASTIC (RAM-NEK, OR APPROVED EQUAL.) THIS MASTIC SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE THROUGH GAPS BETWEEN BARREL SECTIONS OR CONE SECTIONS AND ADJUSTING RINGS.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE AS WELL AS LOCAL CABLE TV COMPANIES AND THE VILLAGE FOR LOCATION OF EXISTING UNDERGROUND UTILITIES. THE FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK WITHIN ANY EASEMENT, R.O.W, OR SUSPECTED UTILITY LOCATION.
9. ALL EXISTING STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH PROPOSED GRADES & LANDSCAPING.
10. ALL UTILITIES SHALL BE INSTALLED ON CRUSHED STONE BEDDING (ICA-11) WITH A MINIMUM THICKNESS OF 4 INCHES. THE BEDDING MATERIAL SHALL BE PLACED AND COMPACTED TO 12" ABOVE THE TOP OF PIPE. BLOCKING OF ANY KIND FOR GRADE IS NOT PERMITTED.
11. WATERMAIN COVER SHALL BE 5.5 FEET FROM FINISHED GRADE TO TOP OF PIPE.
12. SEE PROJECT DOCUMENTS FOR WATERMAIN MATERIAL SPECIFICATIONS.

HORIZONTAL DIRECTIONAL DRILLING METHOD

1. CONTRACTOR SHALL EXAMINE THE SITE(S) INDICATED. THE LIMITS OF SURFACE EXCAVATION SHALL BE LOCATED AT VALVE VAULTS, FITTINGS AND INTERCONNECTIONS AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE BOREHOLE AND RECEIVING HOLE SUFFICIENTLY BACK FROM THE LIMITS OF EXCAVATION TO ALLOW CONNECTION TO THE HORIZONTALLY DRILLED PIPE. PITS SHALL BE OF LENGTH AND WIDTH NECESSARY TO INSTALL PIPES AND SIZED TO FIT AREAS AVAILABLE FOR WORK.
2. PROVIDE ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES TO PREVENT DRILLING FLUID AND BOREHOLE CUTTINGS FROM ENTERING ADJACENT STORM DRAINAGE DITCHES OR PIPING.
3. THE DIRECTIONAL DRILLING EQUIPMENT SHALL CONSIST OF A DIRECTIONAL DRILLING RIG OF SUFFICIENT CAPACITY TO PERFORM THE BORE AND PULLBACK THE PIPE, A DRILLING FLUID MIXING AND DELIVERY SYSTEM OF SUFFICIENT CAPACITY TO SUCCESSFULLY COMPLETE THE CROSSING, A GUIDANCE SYSTEM TO ACCURATELY GUIDE BORING OPERATIONS AND TRAINED AND COMPETENT PERSONNEL TO OPERATE THE SYSTEM. ALL EQUIPMENT SHALL BE IN GOOD, SAFE OPERATING CONDITION WITH SUFFICIENT SUPPLIES, MATERIALS, AND SPARE PARTS ON HAND TO MAINTAIN THE SYSTEM IN GOOD WORKING ORDER FOR THE DURATION OF THE PROJECT.
4. THE DIRECTIONAL DRILLING MACHINE SHALL CONSIST OF A HYDRAULICALLY POWERED SYSTEM TO ROTATE, PUSH AND PULL HOLLOW DRILL PIPE INTO THE GROUND AT A VARIABLE ANGLE WHILE DELIVERING A PRESSURIZED FLUID MIXTURE TO GUIDABLE DRILL (BORE) HEAD. THE MACHINE SHALL BE ANCHORED TO THE GROUND TO WITHSTAND THE PULLING, PUSHING, AND ROTATING PRESSURE REQUIRED TO COMPLETE THE INSTALLATION. THE HYDRAULIC POWER SYSTEM SHALL BE SELF CONTAINED WITH SUFFICIENT PRESSURE AND VOLUME TO POWER DRILLING OPERATIONS. HYDRAULIC SYSTEM SHALL BE FREE OF LEAKS, RIG SHALL HAVE A SYSTEM TO MONITOR AND RECORD MAXIMUM PULLBACK PRESSURE DURING PULLBACK OPERATIONS. THE RIG SHALL BE GROUNDED DURING DRILLING AND PULLBACK OPERATIONS.

HORIZONTAL DIRECTIONAL DRILLING METHOD (CONTINUED)

5. THE DRILL HEAD SHALL BE STEERABLE BY CHANGING ITS ORIENTATION AND SHALL PROVIDE THE NECESSARY CUTTING SURFACES AND DRILLING FLUID JETS.
6. PILOT HOLE SHALL ESTABLISH THE HORIZONTAL PLANS OF THE PIPELINE. A PLOT OF LENGTH VERSUS ELEVATION VERSUS LEFT/RIGHT VARIANCE WILL DICTATE THE ACTUAL AS-BUILT PLAN AND PROFILE OF THE PIPELINE. DATA FEEDBACK AND ELECTRONIC GUIDANCE SYSTEMS AND SUPPLEMENTAL SURFACE TRACKING SYSTEMS SHALL BE USED TO PROVIDE CONFIRMATION OF POSITION. MINIMUM DEPTHS ARE INDICATED ON THE DRAWINGS. PIPES SHALL BE INSTALLED AT GREATER DEPTHS, IF NECESSARY, TO PERMIT MOVEMENT OF TRAPPED AIR TO AIR RELEASE HIGH POINTS. AVOID UNDERGROUND OBSTRUCTIONS BY STEERING HORIZONTALLY AROUND THEM. PIPE MAY BE INSTALLED AT GREATER DEPTHS TO FACILITATE THE INSTALLATION IF THE PROPOSED GREATER DEPTH IS REVIEWED AND APPROVED BY ENGINEER BEFORE INSTALLATION.
7. REAMING SHALL CONSIST OF USING AN APPROPRIATE TOOL TO OPEN THE PILOT HOLE TO A SLIGHTLY LARGER DIAMETER THAN THE CARRIER PIPELINE. THE PERCENTAGE OVER SIZE SHALL DEPEND ON SOIL TYPES, SOIL STABILITIES, DEPTH, DRILLING FLUID HYDROSTATIC PRESSURE, ETC. NORMAL OVERSIZING SHALL BE FROM 120 TO 150 PERCENT OF THE CARRIER PIPE DIAMETER. DRILLING FLUID SHALL BE FORCED DOWN THE HOLE TO STABILIZE THE HOLE AND TO REMOVE SOIL CUTTINGS.
8. PULL BACK THE ENTIRE PIPELINE LENGTH IN ONE SEGMENT BACK THROUGH THE DRILLING FLUID ALONG THE REAMED HOLE PATHWAY. PROPER PIPE HANDLING, CRADLING, BENDING MINIMIZATION, SURFACE FORCE READINGS, CONSTANT INSERTION VELOCITY, DRILLING FLUID FLOW CIRCULATION/EXIT RATE, AND FOOTAGE LENGTH INSTALLED SHALL BE RECORDED. THE PULL-BACK SPEED SHALL BE WITHIN THE PIPE MANUFACTURER'S RECOMMENDATIONS. ANY BITS, DRILLS, REAMERS, OR OTHER TOOLS LOST OR STUCK IN THE HOLE SHALL BE REMOVED AT CONTRACTOR'S EXPENSE. IF TOOLS CANNOT BE READILY REMOVED, CONTRACTOR MAY, AT CONTRACTORS OPTION, ABANDON THE HOLE. NO PAYMENT SHALL BE MADE FOR ANY LOST EQUIPMENT, MATERIAL, OR WORK ON ABANDONED HOLES.
9. AS-BUILT DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTORS BASED UPON HIS PIPE LOG DATA. AS-BUILT DRAWINGS SHALL BE CERTIFIED AS TO ACCURACY BY THE CONTRACTOR.
10. A VARIATION GREATER THAN 6-INCHES FROM THE HORIZONTAL PLAN OR DESIGNATED GRADE IS SUFFICIENT REASON FOR REJECTION OF THE PIPE, AND PIPE SHALL BE RE-BORED TO PROPER GRADE IF SO DIRECTED BY ENGINEER AT NO COST TO DEPARTMENT.
11. DRILLING FLUID TO BE USED TO FACILITATE INSTALLATION OF THE PIPE SHALL BE ADJUSTED WITHIN ACCEPTABLE LIMITS SUCH THAT GROUND HEAVING AND SUBSURFACE CAVITY FORMATION THROUGH EROSION ARE PREVENTED. DRILLING FLUID SHALL BE BENTONITE CLAY MIXTURE. CONTRACTOR MAY USE A POLYMER ADDITIVE AT CONTRACTOR'S OPTION. FLUID AND ADDITIVES SHALL NOT BE HAZARDOUS TO THE ENVIRONMENT.
12. CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO PREVENT DAMAGE TO EXISTING UTILITIES WHERE THEY CROSS EITHER ABOVE OR BELOW THE PROPOSED HORIZONTAL DIRECTIONALLY DRILLED PIPE. EXPOSING THE EXISTING UTILITY PRIOR TO INSTALLING THE DIRECTIONALLY DRILLED PIPE MAY BE NECESSARY TO VERIFY APPROPRIATE SEPARATION IS BEING MAINTAINED AND THAT NO DAMAGE WILL OCCUR TO THE EXISTING UTILITY. THE COST FOR THESE EXPLORATORY EXCAVATIONS IS INCIDENTAL.
13. SPENT DRILLING FLUID AND CUTTING SHALL BE CONFINED TO VICINITY OF DRILLING RIG. ANY DRILLING FLUID WHICH ENTERS THE PIPE SHALL BE REMOVED BY FLUSHING OR OTHER SUITABLE MEANS. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP AND RESTORATION, SHOULD THERE BE A BOREHOLE BLOW OUT DUE TO EXCESSIVE PRESSURE IN THE DRILLING FLUID. NO ADDITIONAL PAYMENT SHALL BE MADE FOR CLEAN-UP COSTS REQUIRED BY DEPARTMENT, ENGINEER, OR REGULATORY AGENCIES DUE TO A LOSS OF DRILLING FLUID. THIS MAY INCLUDE A FULL TIME VAC TRUCK TO COLLECT CUTTINGS, LEAVINGS, OR DRILLING FLUID.
14. PITS EXCAVATED TO PERMIT CONNECTION OF BORED PIPE SHALL BE BACKFILLED, AND DISTURBED SURFACE SHALL BE RESTORED.
15. LOGS SHALL BE KEPT GIVING THE HORIZONTAL AND VERTICAL POSITION OF THE WATER MAIN AT 50-FOOT INTERVALS ALONG THE PIPE POINTS TO CONFIRM ITS CONFORMANCE TO SPECIFIED DEPTH AND LINE SHOWN ON THE DRAWINGS. NO PAYMENT FOR ANY LENGTH OF PIPE SHALL BE MADE WITHOUT A LOG ACCOMPANYING IT. LOG SHALL ALSO CONTAIN A SUMMARY OF STRESSES ON PIPE DURING INSTALLATION.

DIRECTIONAL DRILLING CONTINGENCY PLAN

PRIOR TO STARTING ANY DIRECT DRILLING MOBILIZATION, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE ENGINEER: THIS INFORMATION WILL THEN BE FORWARDED TO VILLAGE FOR THEIR REVIEW.

GENERAL INFORMATION REQUIREMENTS

1. NAME, ADDRESS AND PHONE NUMBER OF ONSITE DRILLING COMPANY REPRESENTATIVE;
2. MATERIAL SAFETY DATA SHEETS (MSDS) FOR DRILLING MUD CONSTITUENTS;
3. NAME, ADDRESS AND PHONE NUMBER OF ANIONIC POLYMER VENDOR;
4. CATALOG CUT SHEETS FOR EACH RECOMMENDED POLYMER, DIRECTIONS FOR USE AND ANY LIMITATIONS NOTE, CATIONIC POLYMERS ARE TOXIC TO FRESHWATER AQUATIC LIFE AND WILL NOT BE PERMITTED ON THIS PROJECT. ANIONIC POLYMERS WILL BE REQUIRED. POLYMERS ARE REQUIRED TO BE AVAILABLE ONSITE IF DRILLING WILL BE UNDER OR NEAR STREAMS OR OTHER WETLANDS;
5. A BRIEF NARRATIVE DISCUSSING THE DIRECTIONAL DRILLING OPERATION, IDENTIFICATION OF LIKELY PROBLEM LOCATIONS AND PROPOSED METHODS OF ENSURING THAT FRAC OUTS DO NOT OCCUR OR ARE PROPERLY CONTAINED.

OPERATIONAL REQUIREMENTS

1. AT LEAST ONE VACUUM TRUCK MUST BE ONSITE DURING ALL DRILLING OPERATIONS AND AT LEAST ONE ADDITIONAL VACUUM TRUCK SHALL BE READILY AVAILABLE OR ON STAND-BY AT A NEARBY LOCATION, AS APPROPRIATE.
2. AT LEAST ONE FULL TIME PERSON TO WALK THE DRILLING ROUTE AND IDENTIFY FRAC OUTS AND COORDINATE REMEDIATION.
3. IF A FRAC OUT IS IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY STOP DRILLING, WAIT AT LEAST 30 MINUTES, INJECT A QUANTITY OF DRILLING FLUID WITH A VISCOSITY EXCEEDING 120 SECONDS AS MEASURED BY A MARCH FUNNEL AND THEN WAIT ANOTHER 30 MINUTES. IF MUD FRACTURE OR RETURNS LOSS CONTINUES, CONTRACTOR WILL CEASE OPERATIONS AND NOTIFY ENGINEER. CONTRACTOR SHALL PROCEED TO CONTAIN FRAC OUT MATERIAL USING SILT FENCE, PLASTIC OR OTHER ACCEPTABLE BARRIER MATERIAL AND PROVIDE ADEQUATE VACUUM TRUCKS TO CONTAIN AND REMOVE MATERIAL FROM THE SITE. WITHIN WATER WAYS THE CONTRACTOR SHALL PROVIDE A TURBIDITY BARRIER OR CONTAINMENT BOX, AS APPROPRIATE.
4. VERIFICATION OF ADEQUATE POLYMER STORED ONSITE TO TREAT AT LEAST ONE RELEASE INTO WETLANDS OR STREAMS WITH THE UNDERSTANDING THAT ADDITIONAL POLYMER WILL BE PROCURED IF THE FIRST IS USED.
5. FRAC OUTS IN UPLAND AREAS THAT DO NOT AFFECT WETLANDS OR OTHER SENSITIVE AREAS ARE TO BE SUMMARIZED IN A WEEKLY REPORT TO THE ENGINEER DETAILING THE AMOUNT OF DRILLING MUD RELEASED, THE METHOD OF CONTAINMENT, REMEDIATION METHOD USED AND ANY ADDITIONAL RELEVANT INFORMATION.
6. THE ENGINEER MUST BE CONTACTED IMMEDIATELY IF A FRAC OUT AFFECTS WETLAND AREAS. APPROPRIATE TELEPHONE NUMBERS SHOULD BE A PART OF THE CONTINGENCY PLAN. EACH FRAC OUT MUST BE SUMMARIZED IN DAILY REPORTS TO THE ENGINEER DETAILING THE AMOUNT OF DRILLING MUD RELEASED, THE METHOD OF CONTAINMENT, REMEDIATION METHOD USED AND ANY ADDITIONAL RELEVANT INFORMATION.

FILE NAME =	USER NAME = BAW\ort	DESIGNED - JLV	REVISED -
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	PLOT SCALE = 100.0000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

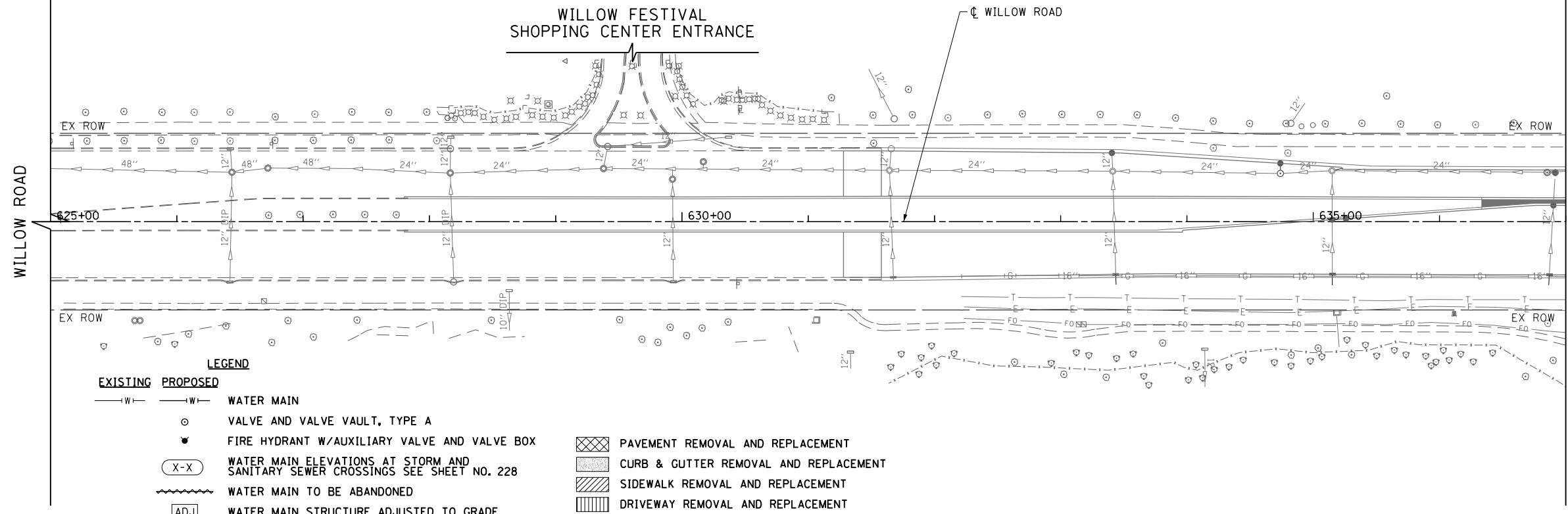
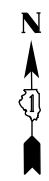
WATER MAIN GENERAL NOTES

SCALE: N.T.S. SHEET NO. 215 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

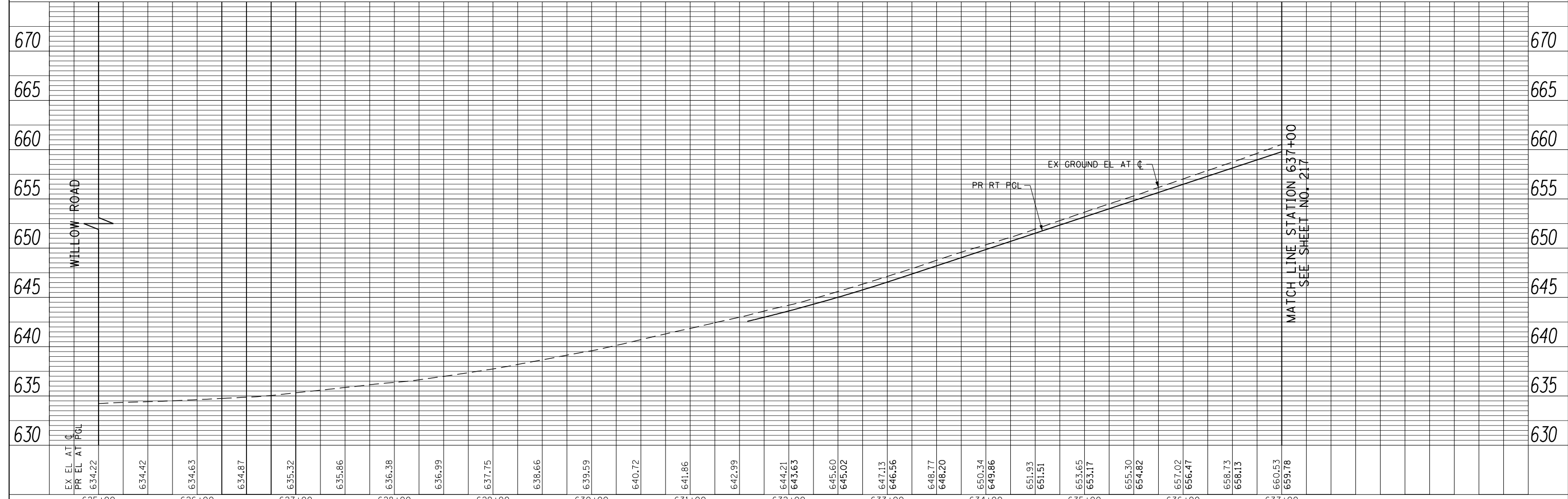
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



MATCH LINE STATION 637+00
SEE SHEET NO. 217

- NOTES:
1. THE COST OF ALL FITTINGS AND LABOR REQUIRED TO CONNECT EXISTING WATER SERVICES TO PROPOSED CURB STOPS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CURB STOP AND BUFFALO BOX.
 2. ACCESS VIA DRIVEWAYS SHALL BE MAINTAINED BEFORE 9 AM AND AFTER 4 PM DAILY.
 3. THE CONTRACTOR SHALL VERIFY THE DEPTH OF ALL EXISTING UTILITIES BEFORE INSTALLING PROPOSED WATER MAINS (TYPICAL).
 4. RESTORATION SHALL BE LAID OUT BY THE FIELD ENGINEER PER PROJECT SPECIFICATIONS.
 5. ALL RETIRED MAINS WITHIN PROJECT LIMITS SHALL BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (MIX 1) IN CONFORMANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS.
 6. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE OF NORTHFIELD ON PERMISSIBLE TIMES FOR SHUTDOWN PROCEDURES AND SERVICE INTERRUPTIONS. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED FOR ALL SERVICE INTERRUPTIONS.
 7. ALL REMOVED VALVES AND HYDRANTS SHALL BE PROVIDED TO THE VILLAGE OF NORTHFIELD AFTER REMOVAL. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
 8. ALL VALVES SHALL BE OPERATED BY NFPW PERSONNEL ONLY.



MATCH LINE STATION 637+00
SEE SHEET NO. 217

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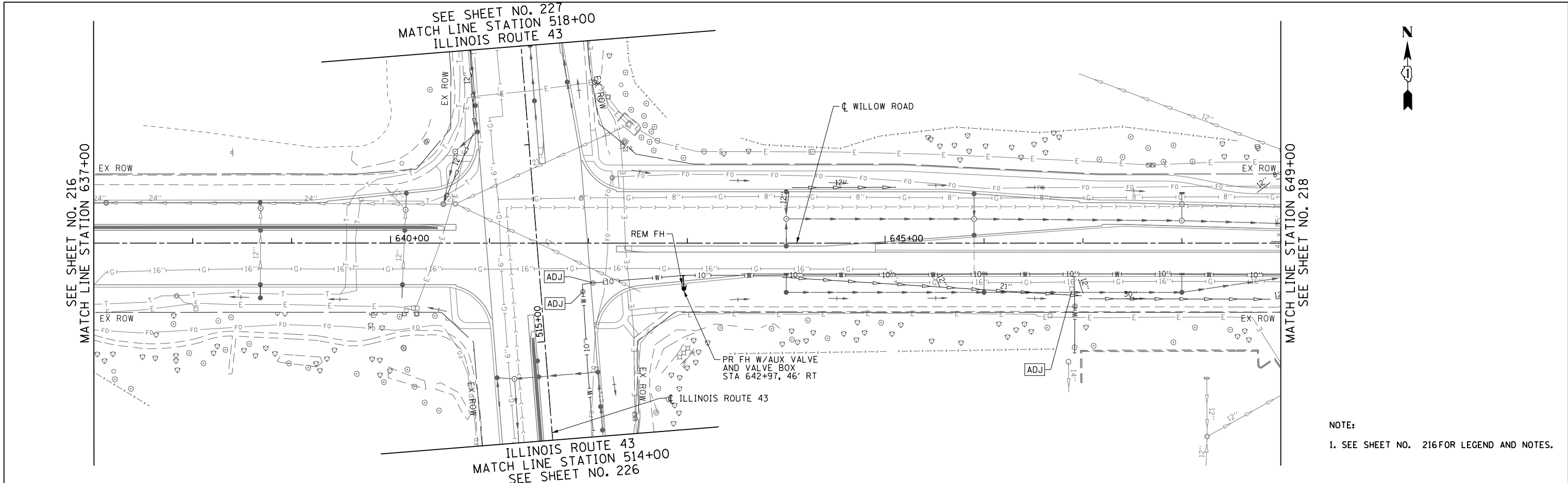
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WILLOW ROAD WATER MAIN PLAN AND PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 216 OF 919 SHEETS
STA. 625+00 TO STA. 637+00

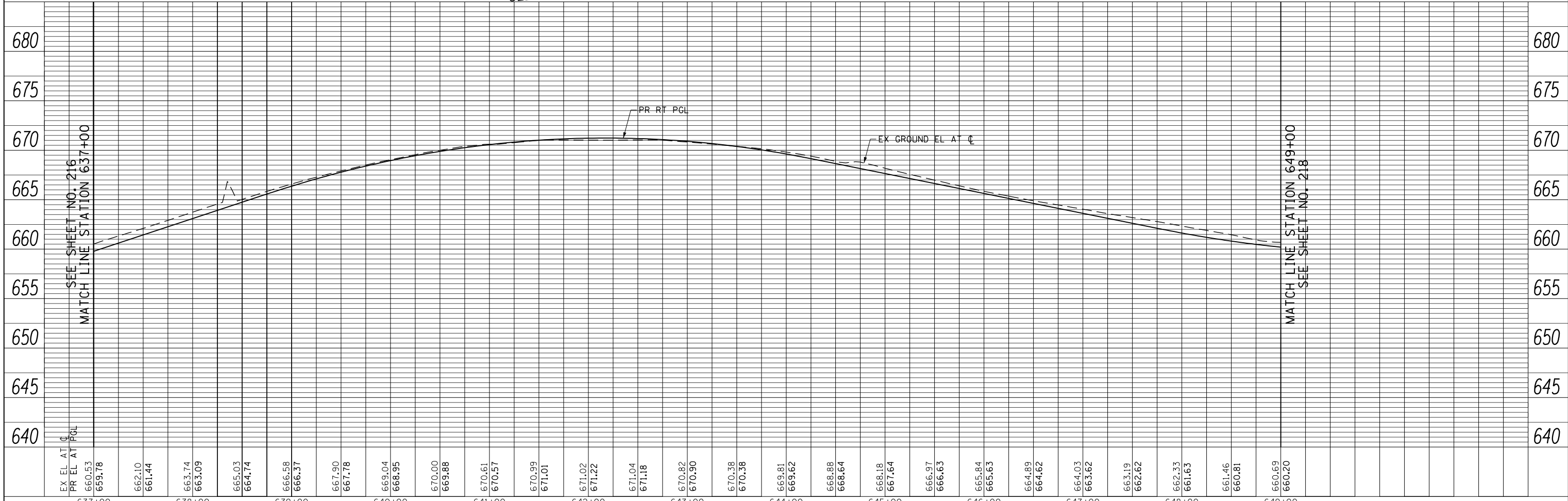
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CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

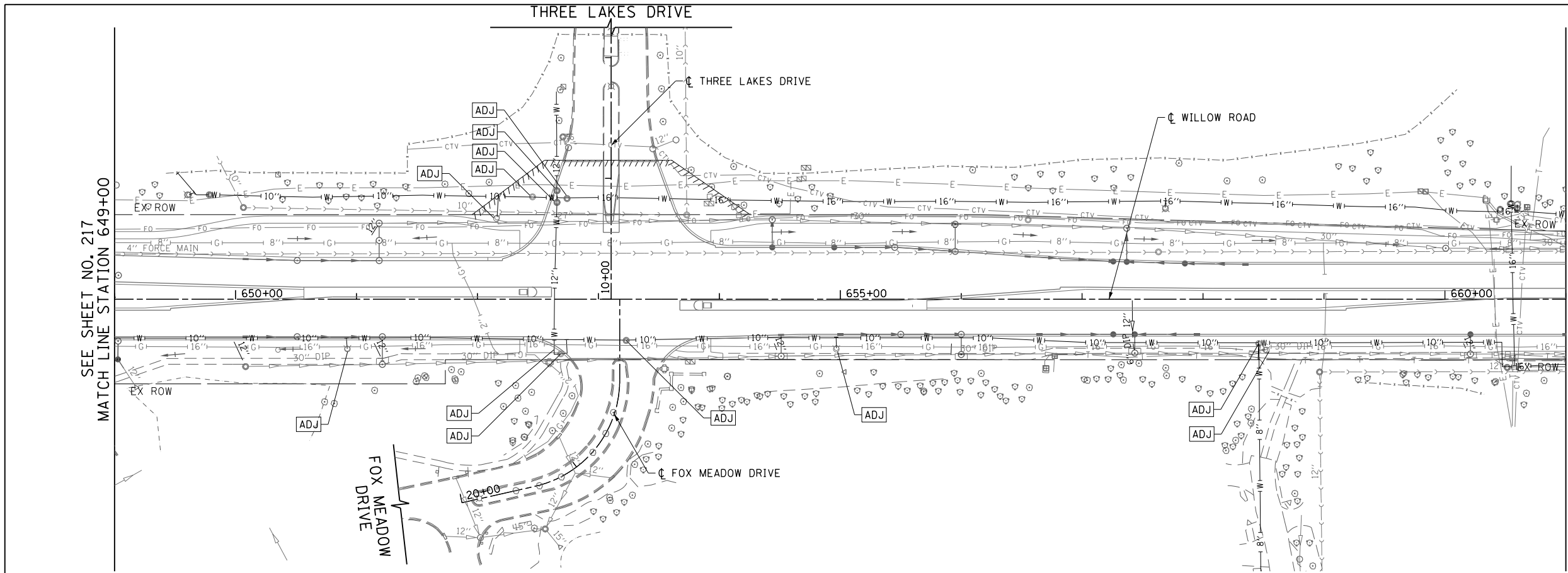
WILLOW ROAD WATER MAIN PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 217 OF 919 SHEETS STA. 637+00 TO STA. 649+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

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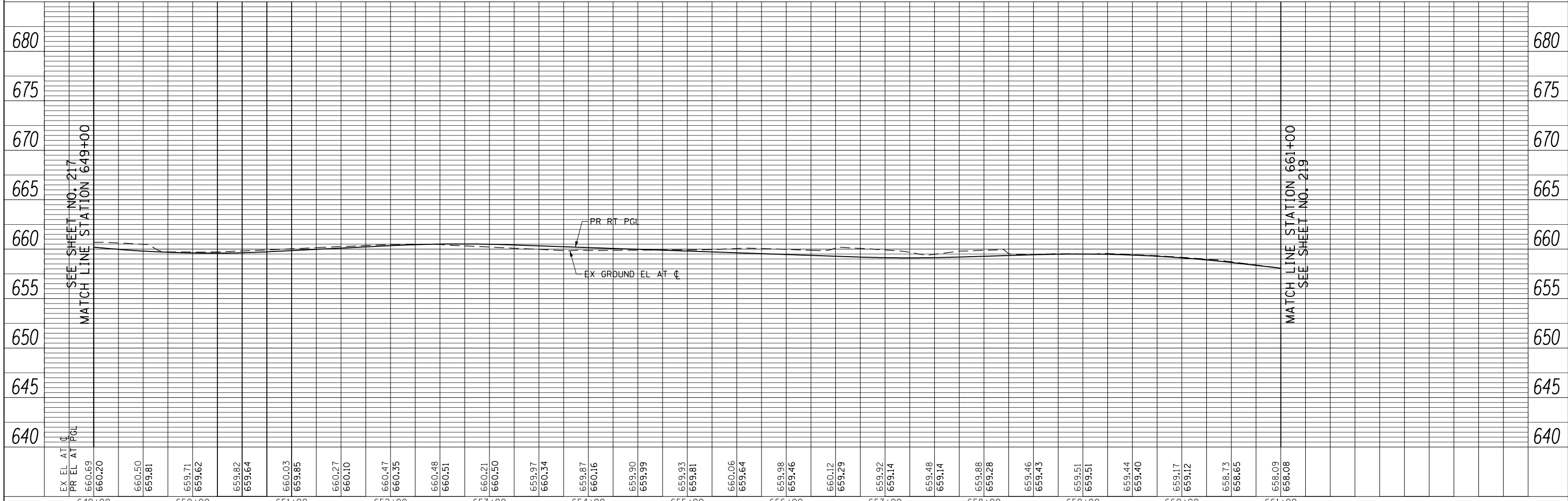
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	STRUCTURE		
	NOTATIONS CHKD		
	NO.		



MATCH LINE STATION 661+00
SEE SHEET NO. 219

SEE SHEET NO. 217
MATCH LINE STATION 649+00

NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



EX EL AT C	649+00	650+00	651+00	652+00	653+00	654+00	655+00	656+00	657+00	658+00	659+00	660+00	661+00																																			
PR EL AT PGL	660.20	659.81	659.71	659.62	659.82	659.64	660.03	659.85	660.27	660.10	660.47	660.35	660.48	660.51	660.21	660.50	659.97	660.34	659.87	660.16	659.90	659.99	659.93	659.81	660.06	659.64	659.98	659.46	660.12	659.29	659.92	659.14	659.48	659.14	659.88	659.28	659.46	659.43	659.51	659.51	659.44	659.40	659.17	659.12	658.73	658.65	658.09	658.08

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD WATER MAIN PLAN AND PROFILE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	218
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

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VERT: 1"=5'
SHEET NO. 218 OF 919 SHEETS
STA. 649+00 TO STA. 661+00

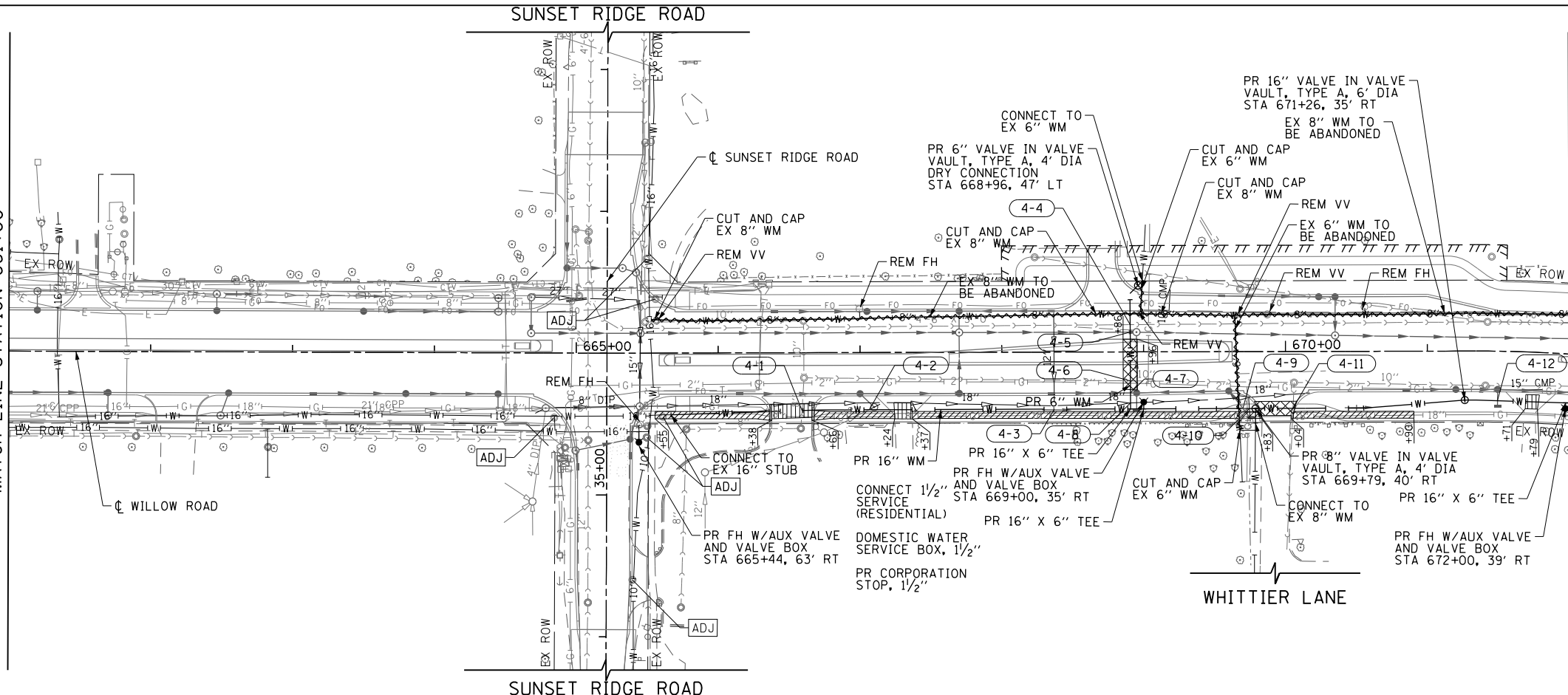
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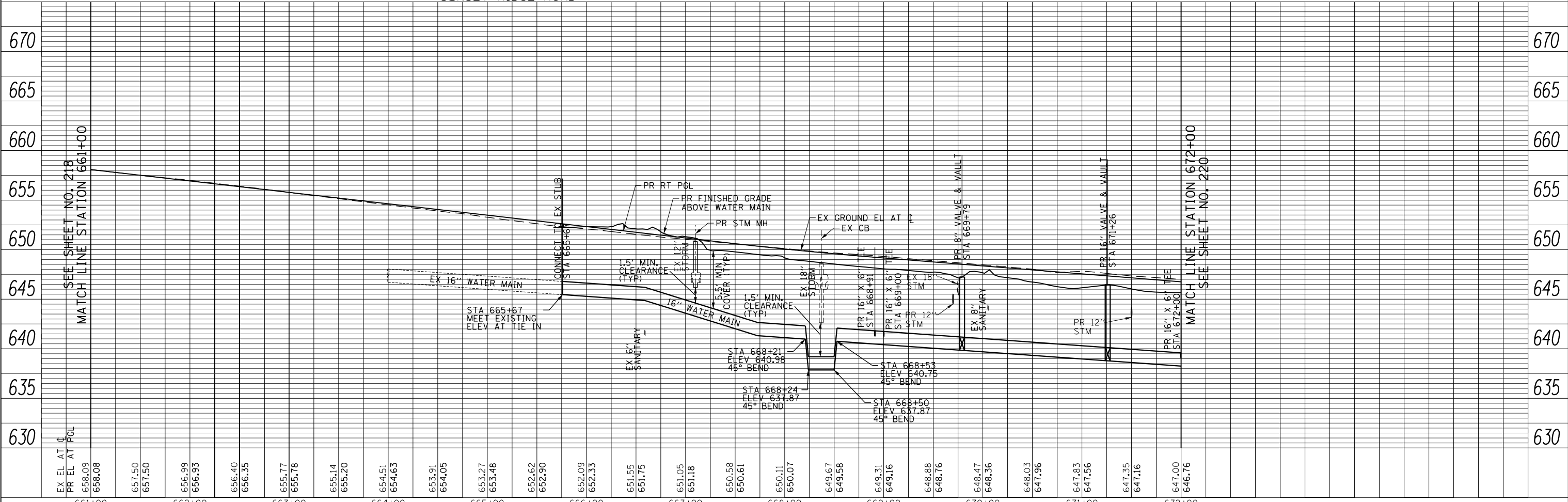


SEE SHEET NO. 218
MATCH LINE STATION 661+00

MATCH LINE STATION 672+00
SEE SHEET NO. 220



NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



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PR EL AT PGL	658.08	657.50	656.93	656.35	655.78	655.20	654.63	654.05	653.48	652.90	651.75	651.18	650.61	650.07	649.58	649.16	648.76	648.36	647.96	647.56	647.16	647.00	646.76	
	661+00	662+00	663+00	664+00	665+00	666+00	667+00	668+00	669+00	670+00	671+00	672+00												

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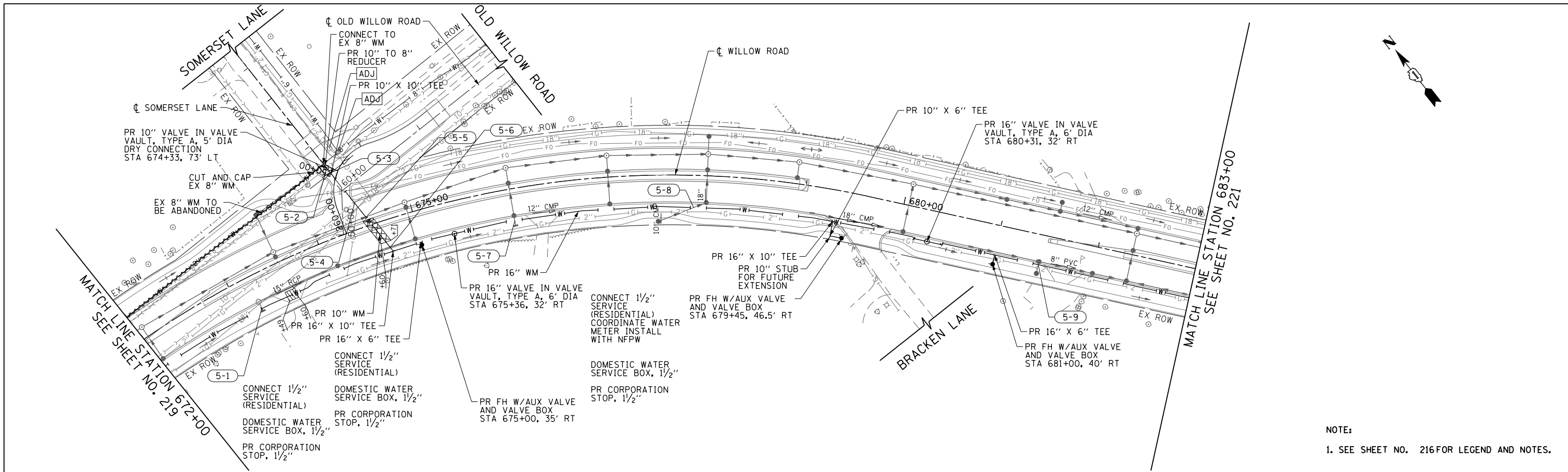
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WILLOW ROAD WATER MAIN PLAN AND PROFILE
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VERT: 1"=5'

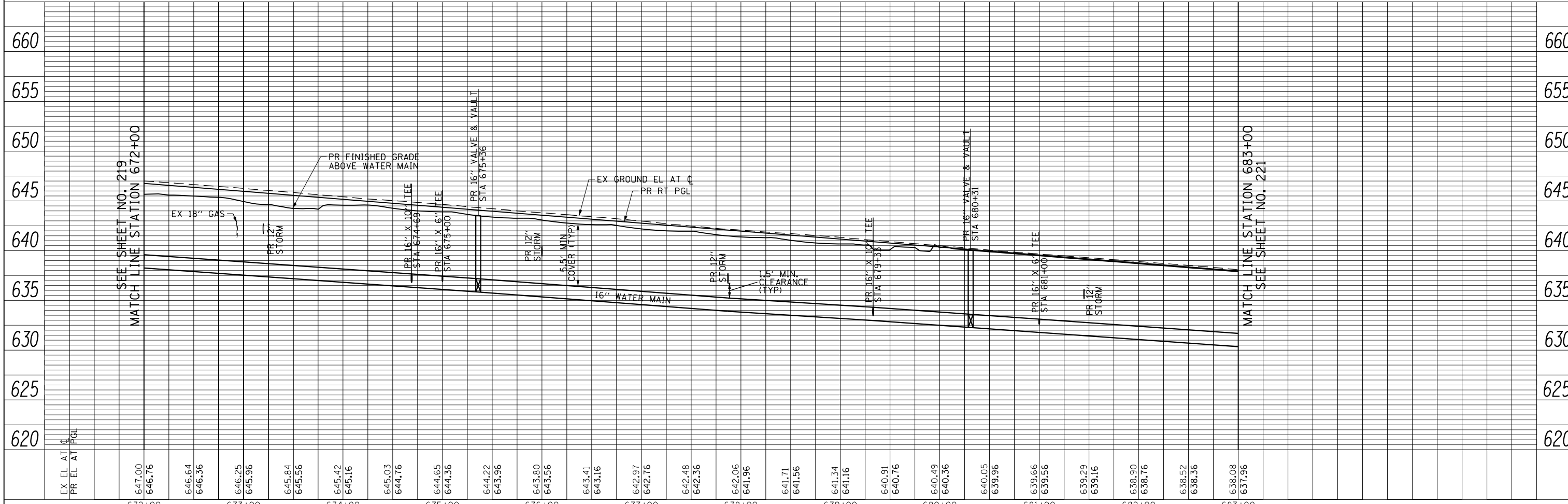
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.

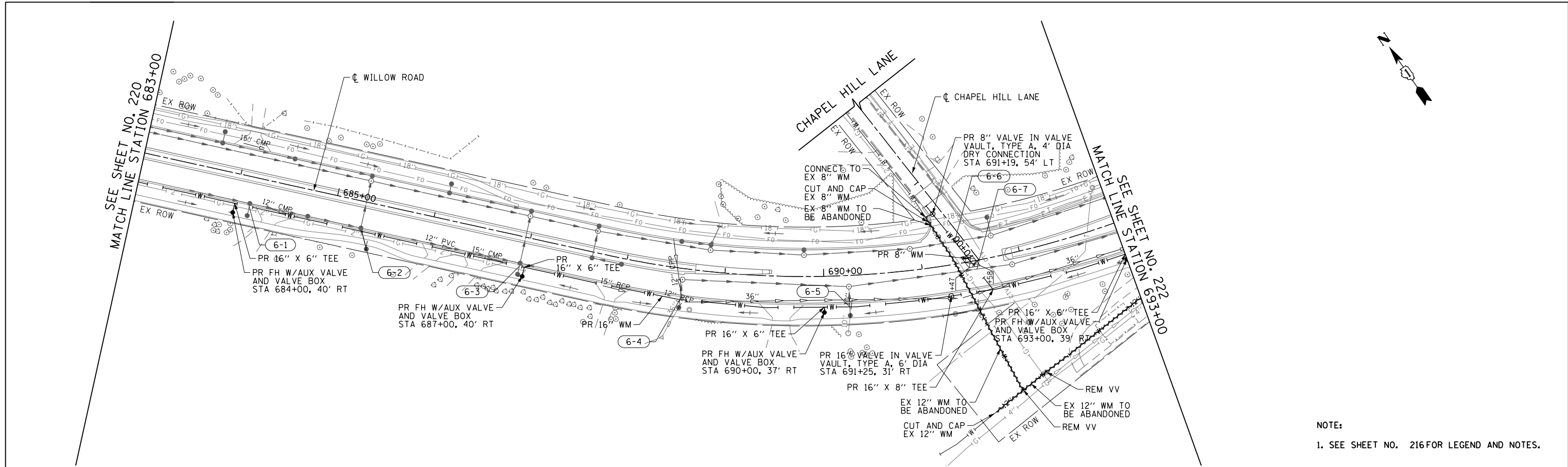


FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION WILLOW ROAD WATER MAIN PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\ch11\0158\road\Sheets\DI60135-SHT-WM-05.dgn		DRAWN - KAL	REVISED -		305	(1920.01,1518,2022&1922.4)BR	COOK	919	220
PLOT SCALE = 100.000' / in.		CHECKED - RCB	REVISED -		CONTRACT NO. 60T35				
PLOT DATE = 11/28/2012		DATE - 10/31/2012	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

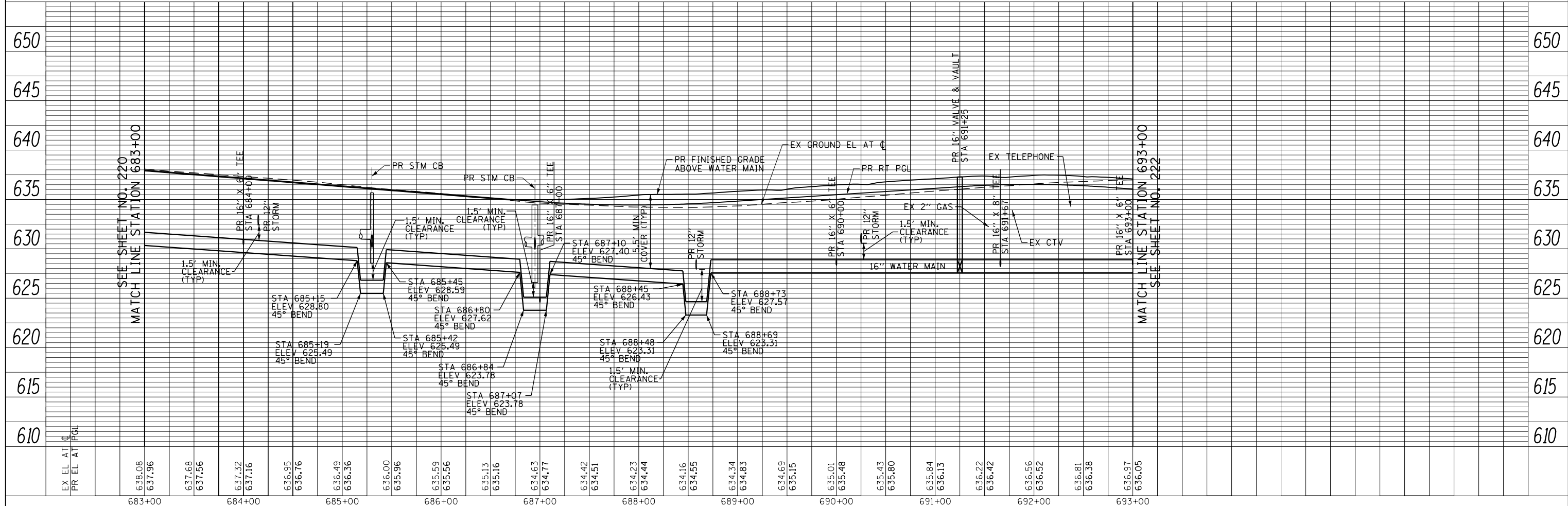
SCALE: HORIZ: 1"=50' VERT: 1"=5' SHEET NO. 220 OF 919 SHEETS STA. 672+00 TO STA. 683+00

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILE NAME	
	NO.	

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



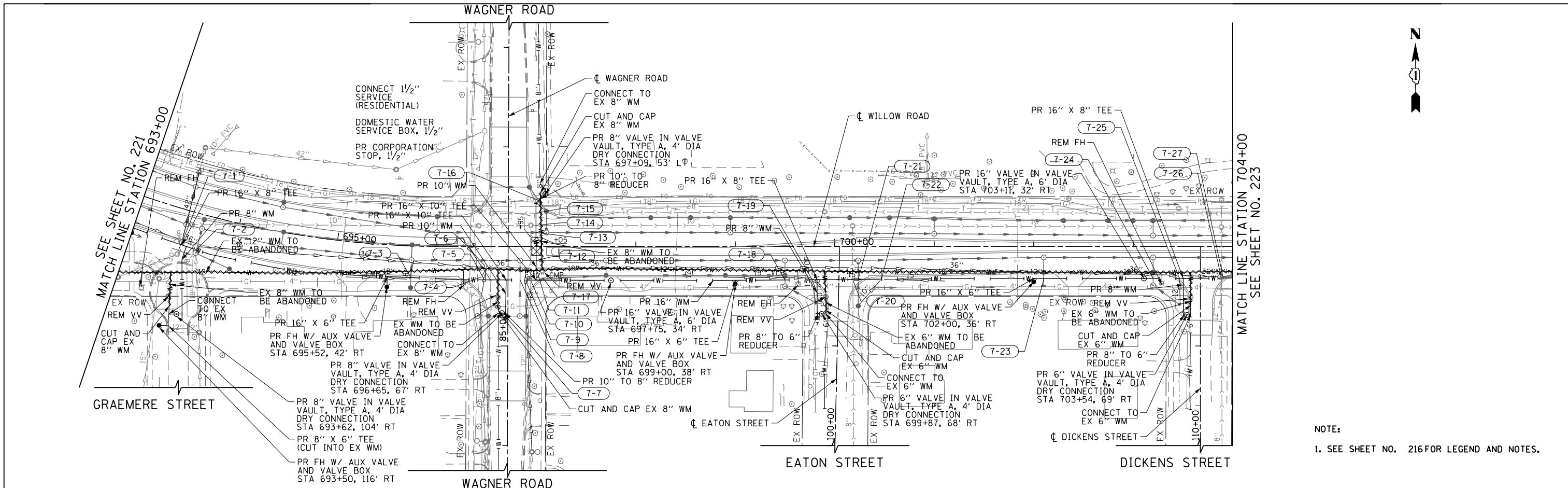
NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



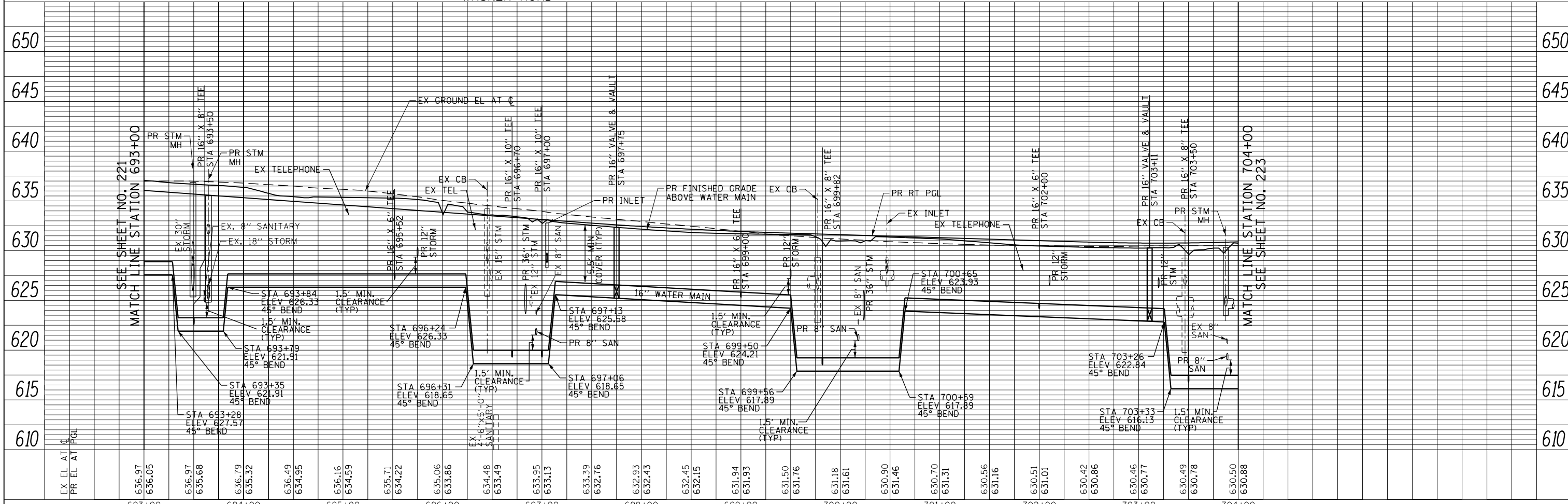
FILE NAME = g:\ch11\0158\road\Sheets\160135-SHT-WM-06.dgn	USER NAME = BAW\ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION WILLOW ROAD WATER MAIN PLAN AND PROFILE	F.A.P. RTE. 305	SECTION (1920.01,1518,2022&1922.4BR)	COUNTY COOK	TOTAL SHEETS 919	SHEET NO. 221	
PLOT SCALE = 100.000' / in.	CHECKED - RCB	REVISIED -	REVISIED -		SCALE: HORIZ. 1"=50'		SHEET NO. 221 OF 919 SHEETS		STA. 683+00 TO STA. 693+00	
PLOT DATE = 11/28/2012	DATE - 10/31/2012	REVISIED -	REVISIED -		FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT	
					CONTRACT NO. 60T35					

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NOTE BOOK NO.	
	CHECKED	
	FILE NAME	



NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -
g:\ch11\158\road\Sheets\160T35-SHT-WM-07.dgn		DRAWN - KAL	REVISED -
PLOT SCALE = 100.000' / in.		CHECKED - RCB	REVISED -
PLOT DATE = 11/28/2012		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

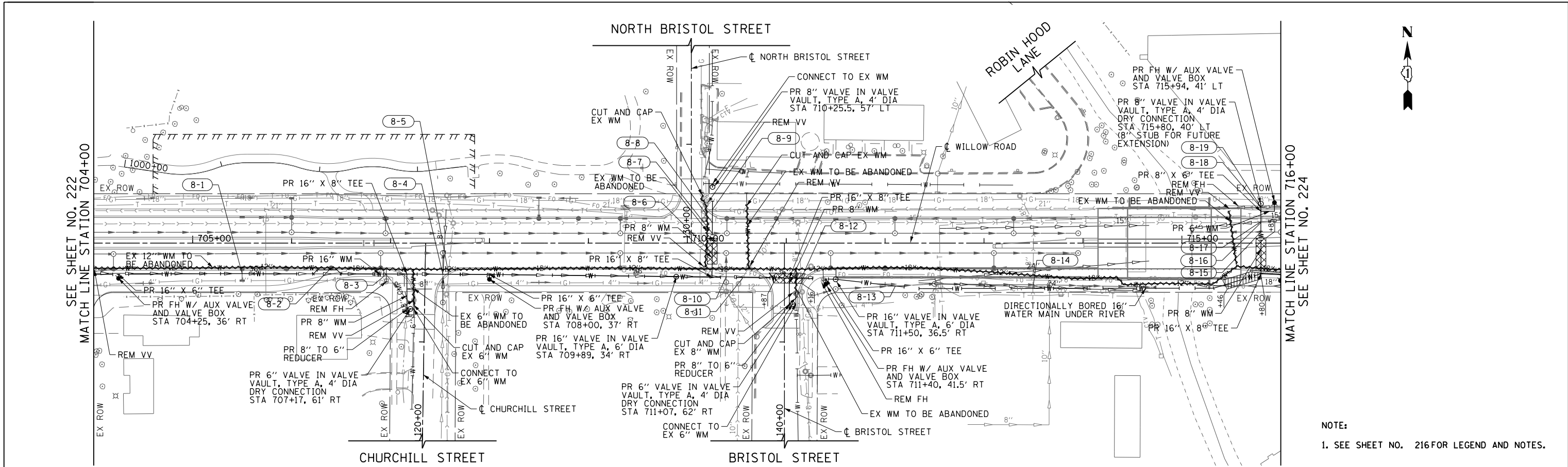
WILLOW ROAD WATER MAIN PLAN AND PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'
SHEET NO. 222 OF 919 SHEETS
STA. 693+00 TO STA. 704+00

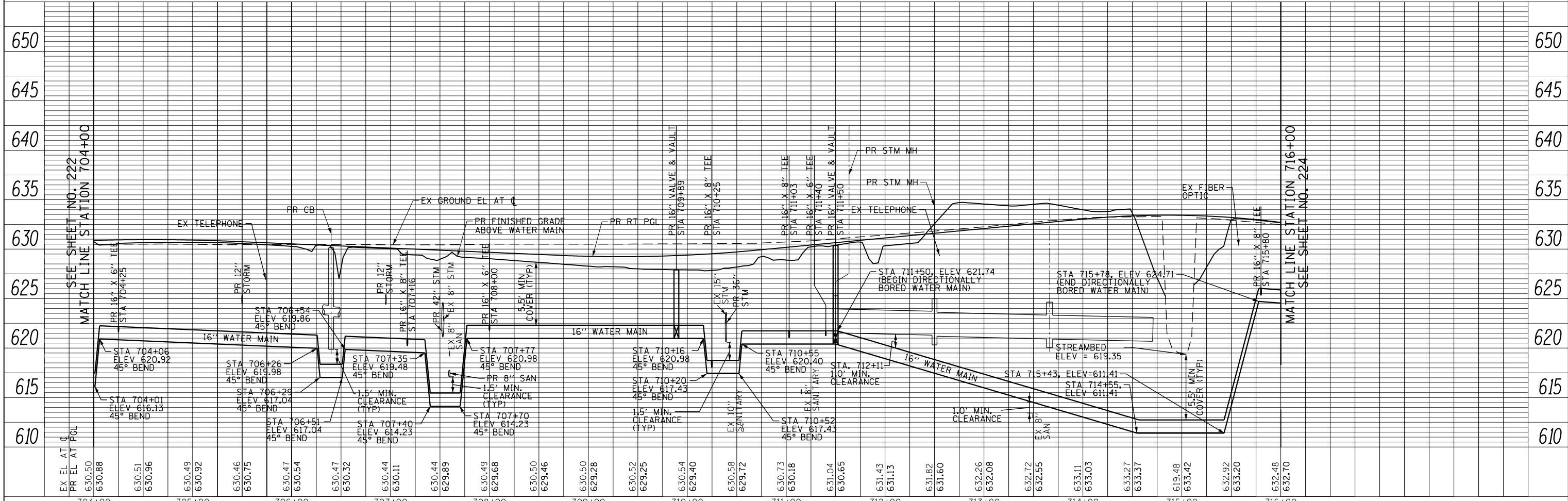
F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4BR	COOK	919	222
CONTRACT NO. 60T35			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHECKED	
	NO.	



NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -
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PLOT SCALE = 100.000' / in.		CHECKED - RCB	REVISED -
PLOT DATE = 11/28/2012		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

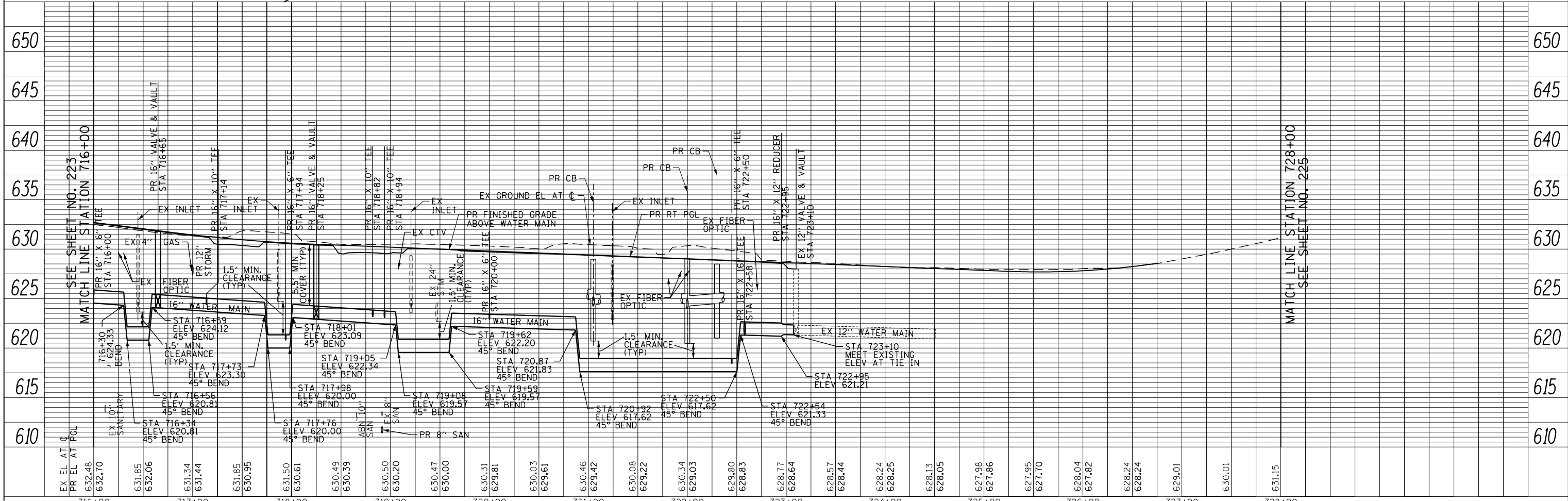
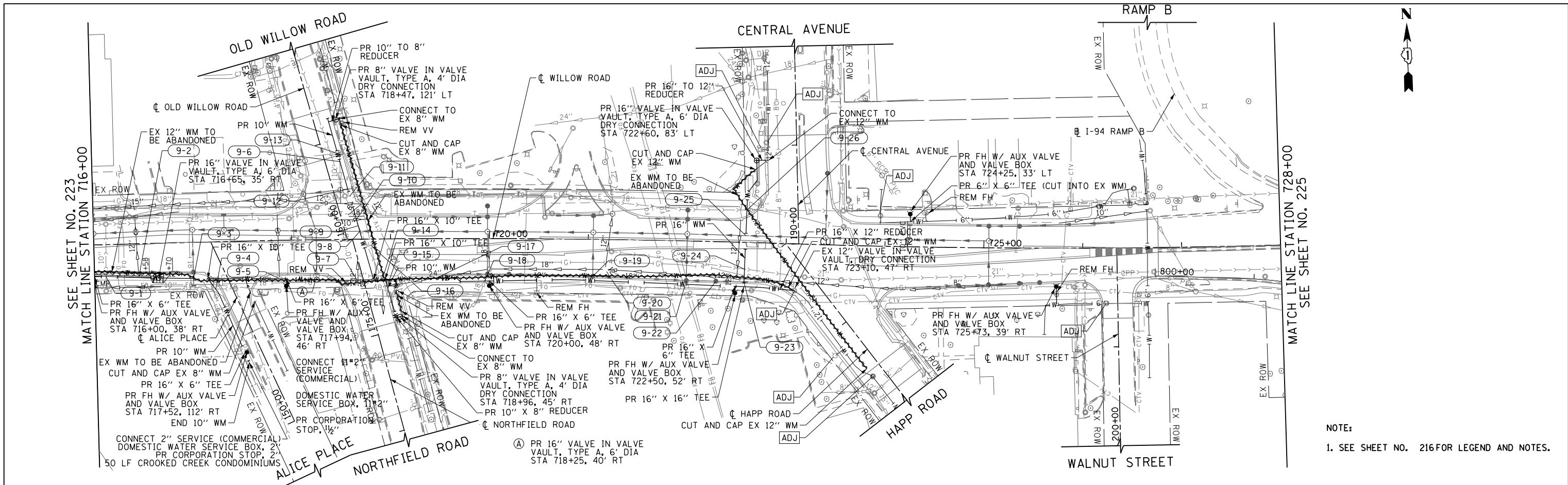
WILLOW ROAD WATER MAIN PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 223 OF 919 SHEETS
STA. 704+00 TO STA. 716+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	223
CONTRACT NO. 60T35			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	FILE NAME	

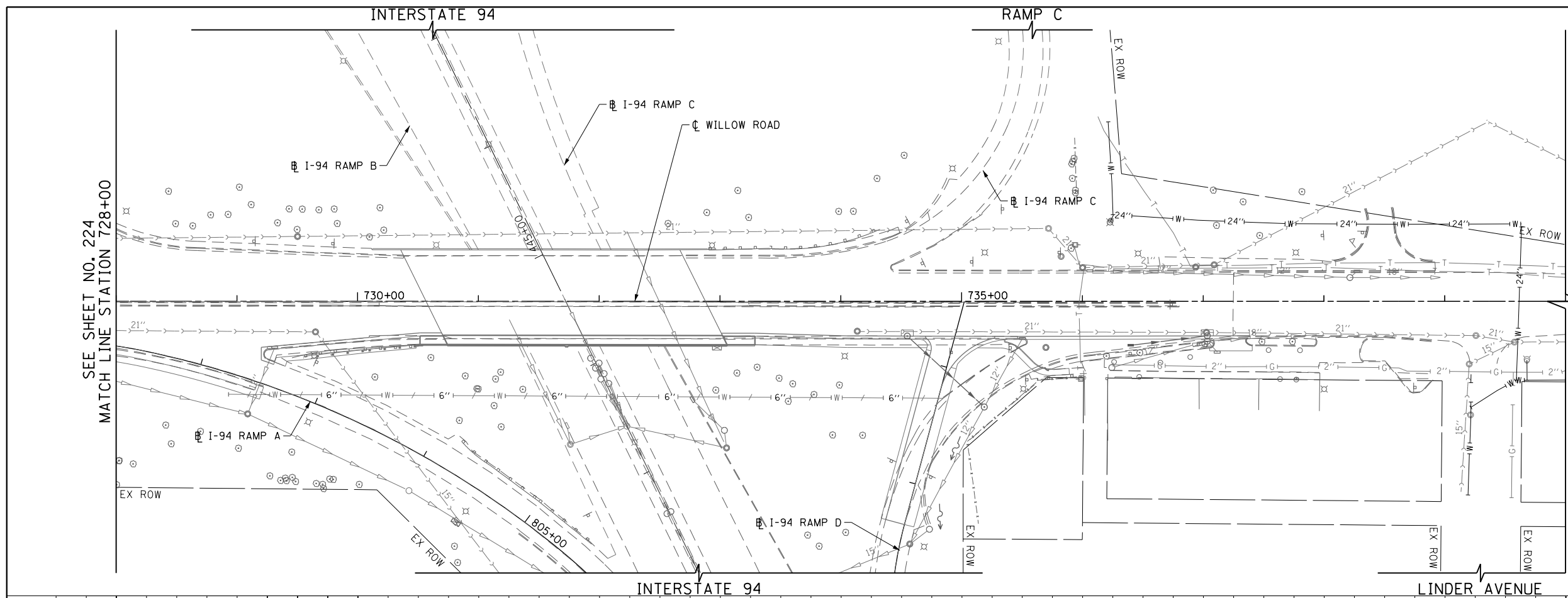


FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION WILLOW ROAD WATER MAIN PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\ch11\0158\road\Sheets\160135-SHT-WM-09.dgn		DRAWN - KAL	REVISED -		305	(1920.01,1518,2022&1922.4)R	COOK	919	224
		CHECKED - RCB	REVISED -		CONTRACT NO. 60T35				
		DATE - 10/31/2012	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

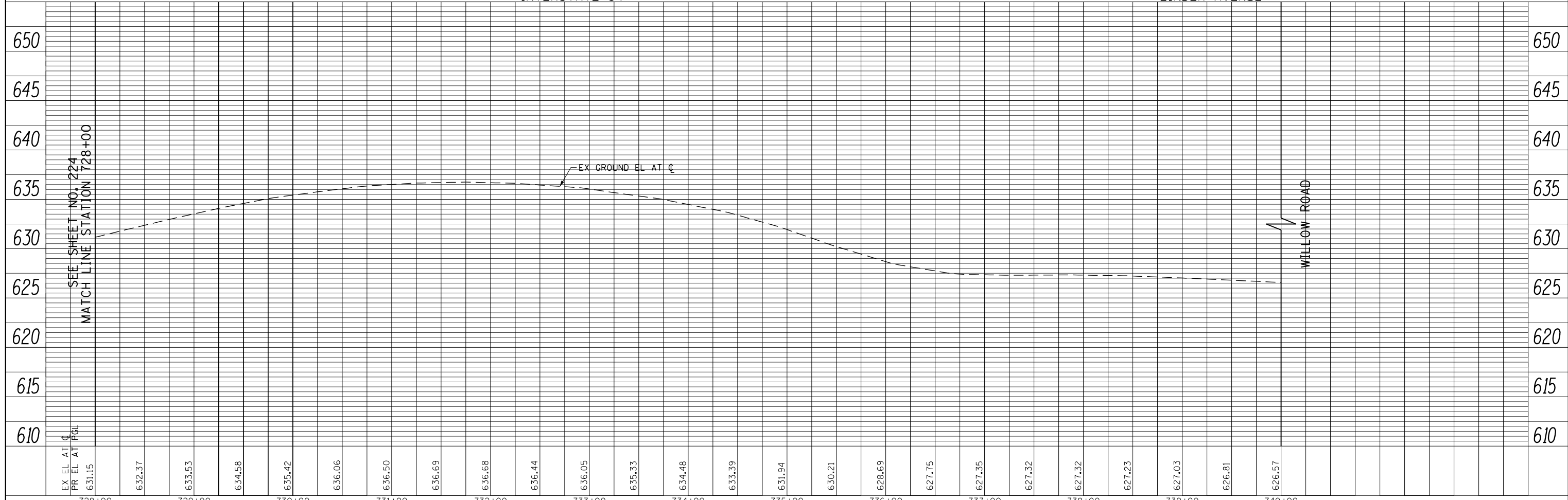
NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	ALIGNED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHK'D	



NOTE:
1. SEE SHEET NO. 216 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:rtort	DESIGNED - JLV	REVISED -
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		CHECKED - RCB	REVISED -
		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

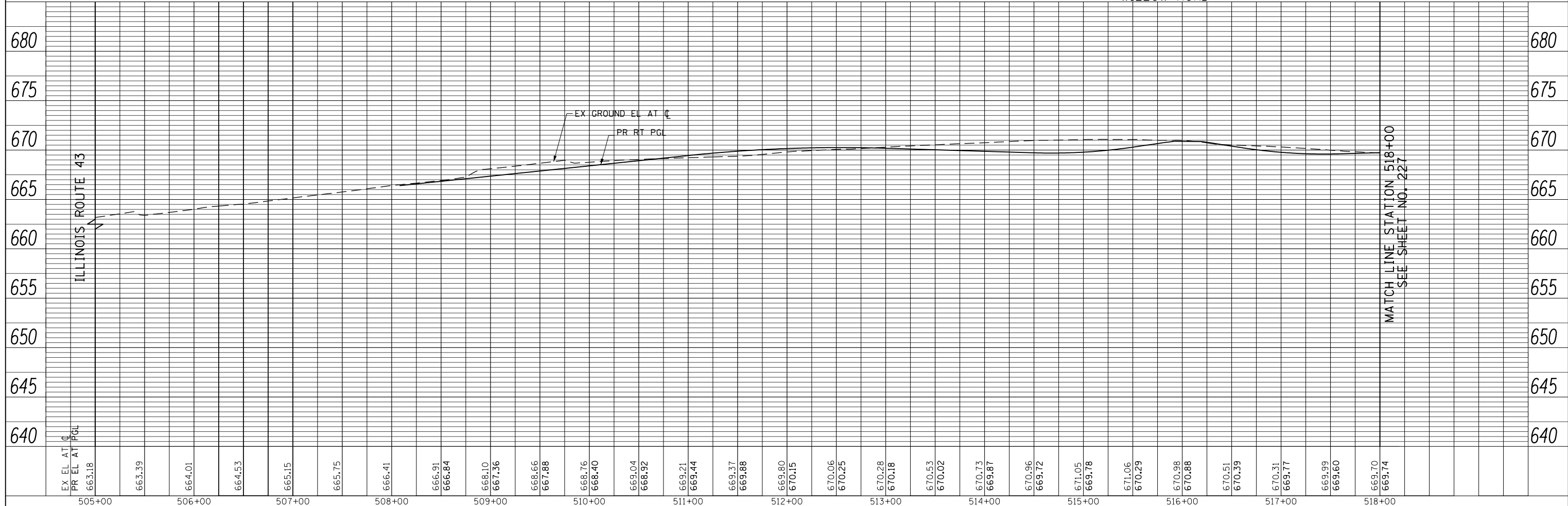
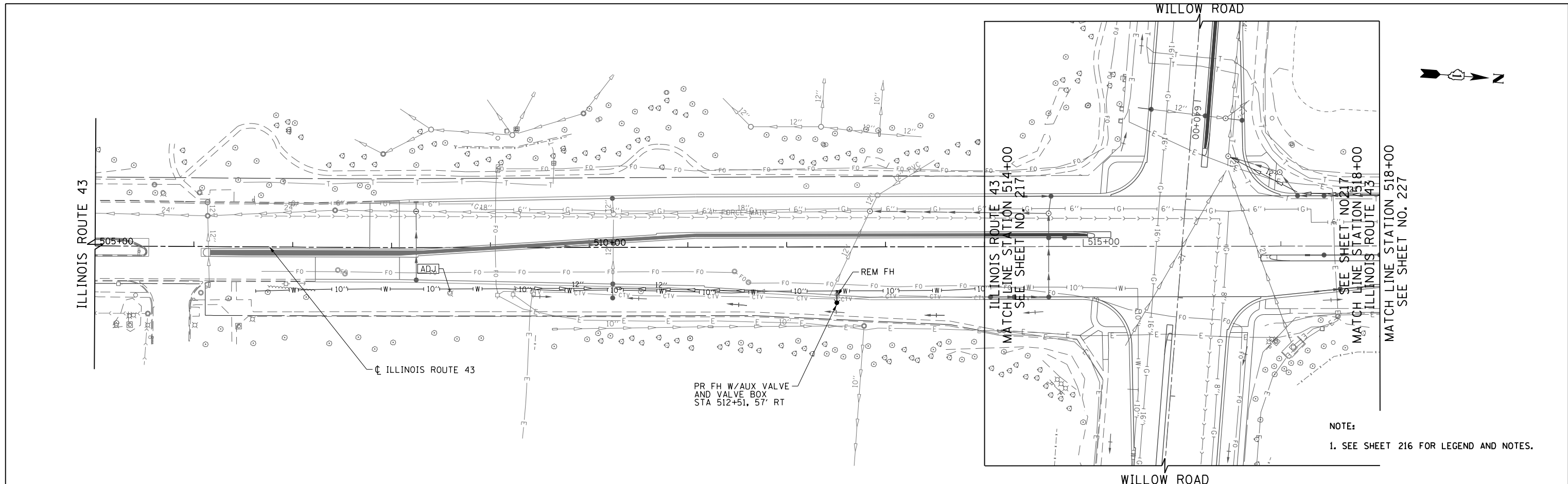
WILLOW ROAD WATER MAIN PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 225 OF 919 SHEETS
STA. 728+00 TO STA. 740+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	225
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

PLAN	SURVEYED	BY	DATE
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	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

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

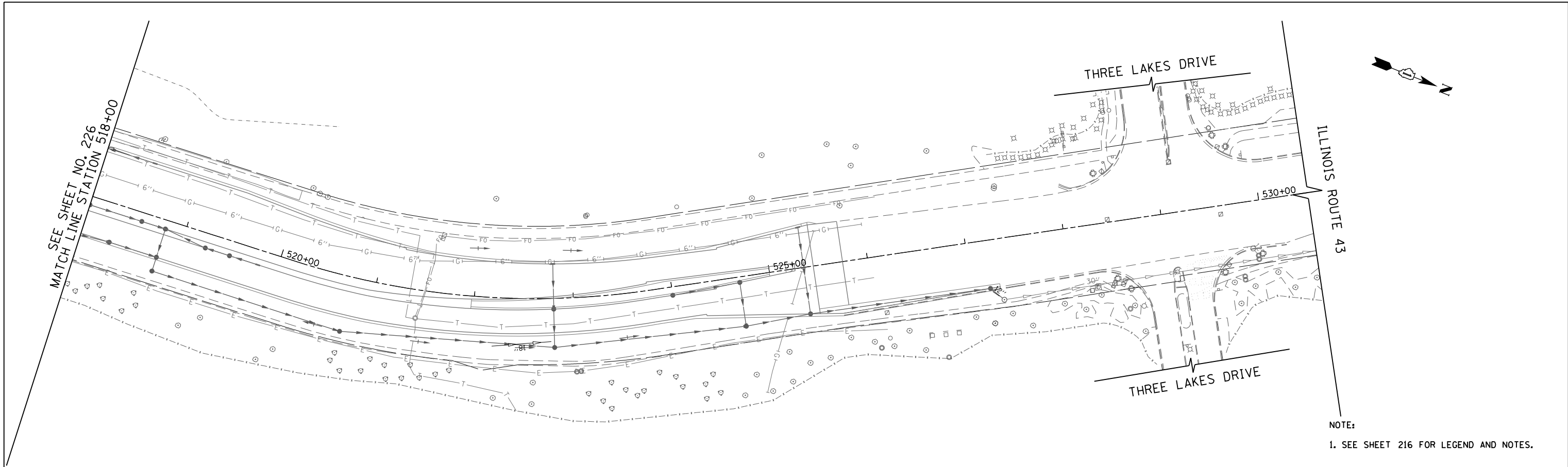


FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 43 WATER MAIN PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
g:\ch1\1518\road\Sheets\DI60T35-SHT-WM-14.dgn		DRAWN - KAL	REVISED -			305	(1920.01,1518,2022&1922.4)BR	COOK	919	226	
PLOT SCALE = 100.000' / in.		CHECKED - RCB	REVISED -			CONTRACT NO. 60T35					
PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

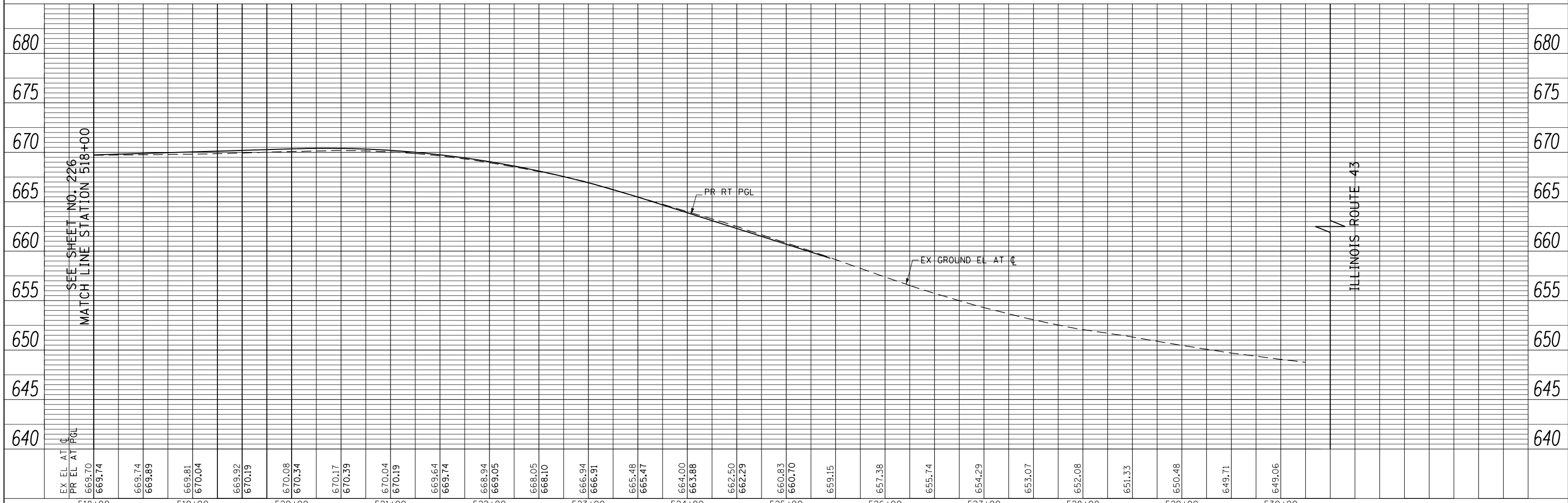
SCALE: HORIZ: 1"=50'
 VER: 1"=5'
 SHEET NO. 226 OF 919 SHEETS STA. 505+00 TO STA. 518+00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

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



NOTE:
1. SEE SHEET 216 FOR LEGEND AND NOTES.



EX EL. AT C	669.70	669.74	669.74	669.81	670.04	669.92	670.19	670.08	670.34	670.17	670.39	670.04	670.19	669.64	669.74	668.94	669.05	668.05	668.10	666.94	666.91	665.48	665.47	664.00	663.88	662.50	662.29	660.83	660.70	659.15	657.38	655.74	654.29	653.07	652.08	651.33	650.48	649.71	649.06
PR EL. AT PGL	669.70	669.74	669.74	669.81	670.04	669.92	670.19	670.08	670.34	670.17	670.39	670.04	670.19	669.64	669.74	668.94	669.05	668.05	668.10	666.94	666.91	665.48	665.47	664.00	663.88	662.50	662.29	660.83	660.70	659.15	657.38	655.74	654.29	653.07	652.08	651.33	650.48	649.71	649.06

FILE NAME =	USER NAME = BAW:ort	DESIGNED -	JLV	REVISED -	
g:\ch11\0158\road\Sheets\0160T35-SHT-WM-15.dgn		DRAWN -	KAL	REVISED -	
		CHECKED -	RCB	REVISED -	
		DATE -	10/31/2012	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 43 WATER MAIN PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'

SHEET NO. 227 OF 919 SHEETS STA. 518+00 TO STA. 530+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	227
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 661+00 TO STA 672+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
4	4-1	652.06	646.19	644.73	641.24	641.78 T / SAN	2.95
4	4-2	651.15	644.67	643.21	646.67	646.50 B / STM	1.83
4	4-3	648.69	639.20	637.74	645.96	642.63 B / EX CB	3.43
4	4-4	649.31	643.81	643.27	VERIFY IN FIELD		
4	4-5	649.42	643.92	643.38	637.36	641.78 T / STM	1.60
4	4-6	649.00	641.81	641.27	634.10	635.02 T / SAN	6.25
4	4-7	648.82	641.81	641.27	644.75	644.58 B / STM	2.77
4	4-8	648.86	641.81	641.27	645.81	645.60 B / STM	3.79
4	4-9	647.36	641.24	639.78	644.53	644.36 B / STM	3.12
4	4-10	647.16	641.20	639.74	VERIFY IN FIELD		
4	4-11	647.87	640.99	639.53	VERIFY IN FIELD		
4	4-12	646.04	639.95	638.49	643.17	643.00 B / STM	3.05

PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 672+00 TO STA 683+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
5	5-1	644.64	638.72	637.26	641.72	641.55 B / STM	2.83
5	5-2	645.75	639.75	638.83	VERIFY IN FIELD		
5	5-3	645.87	639.87	638.95	VERIFY IN FIELD		
5	5-4	645.74	639.74	638.82	632.05	632.93 T / SAN	5.90
5	5-5	645.14	632.73	631.81	634.65	634.23 B / STM	1.50
5	5-6	643.88	637.65	636.73	640.00	639.83 B / STM	2.18
5	5-7	643.08	636.71	635.25	639.44	639.27 B / STM	2.56
5	5-8	641.48	635.07	633.61	636.74	636.57 B / STM	1.50
5	5-9	639.13	632.79	631.33	635.14	634.97 B / STM	2.18

PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 683+00 TO STA 693+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
6	6-1	636.97	630.75	629.29	632.42	632.25 B / STM	1.50
6	6-2	636.05	626.82	625.36	630.46	628.55 B / CB	1.73
6	6-3	634.95	625.11	623.65	630.16	626.61 B / CB	1.50
6	6-4	635.55	624.64	623.18	627.77	627.60 B / STM	2.96
6	6-5	636.53	628.90	627.44	630.57	630.40 B / STM	1.50
6	6-6	635.53	622.43	621.71	624.43	623.93 B / STM	1.50
6	6-7	636.53	624.76	624.04	626.63	626.26 B / STM	1.50

PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 693+00 TO STA 704+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
7	7-1	636.68	623.25	621.79	628.40	625.36 B / MH	2.11
7	7-2	636.60	623.25	621.79	625.10	624.82 B / MH	1.57
7	7-3	635.14	627.66	626.20	629.33	629.16 B / STM	1.50
7	7-4	633.69	619.99	618.53	628.75	625.42 B / CB	5.43
7	7-5	633.58	619.99	618.53	629.44	629.25 B / STM	9.26
7	7-6	633.57	619.99	618.53	609.00	613.75 T / SAN	4.78
7	7-7	633.89	628.39	627.47	624.53	625.70 T / STM	1.78
7	7-8	633.18	619.99	618.53	623.64	623.31 B / STM	3.32
7	7-9	633.08	619.99	618.53	624.40	624.23 B / STM	4.24
7	7-10	633.09	619.99	618.53	621.52	621.49 B / SAN	1.50
7	7-11	632.95	619.99	619.07	624.40	624.07 B / STM	4.08
7	7-12	633.06	619.99	619.07	623.55	623.01 B / STM	3.02
7	7-13	633.17	619.44	618.52	623.00	622.50 B / STM	3.06
7	7-14	633.05	619.44	618.52	620.98	620.94 B / SAN	1.50
7	7-15	632.90	626.58	625.66	VERIFY IN FIELD		
7	7-16	633.19	626.58	625.66	628.25	628.08 B / STM	1.50
7	7-17	632.78	619.99	618.53	628.78	628.28 B / INL	8.29
7	7-18	631.62	625.52	624.06	627.19	627.02 B / STM	1.50
7	7-19	631.21	619.23	617.77	626.09	622.76 B / CB	3.53
7	7-20	630.88	619.23	617.77	620.92	620.88 B / SAN	1.65

PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 693+00 TO STA 704+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
7	7-21	630.93	619.23	617.77	623.00	622.67 B / STM	3.44
7	7-22	631.43	619.23	617.77	626.94	626.44 B / INL	7.21
7	7-23	630.44	624.66	623.20	626.53	626.36 B / STM	1.70
7	7-24	630.29	624.20	622.74	626.29	626.12 B / STM	1.92
7	7-25	630.14	617.47	616.01	626.56	619.78 B / CB	2.31
7	7-26	630.14	617.47	616.01	619.01	618.97 B / SAN	1.50
7	7-27	630.34	617.47	616.01	624.42	623.59 B / MH	6.12

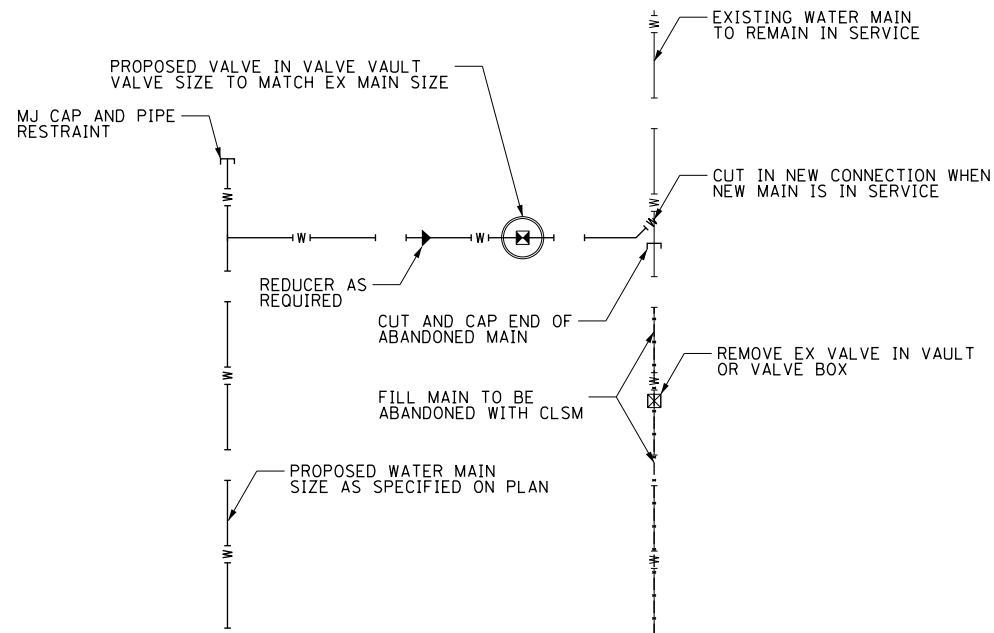
PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 704+00 TO STA 716+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
8	8-1	630.57	621.64	620.18	624.44	624.27 B / STM	2.63
8	8-2	630.14	618.37	616.91	623.20	619.87 B / CB	1.50
8	8-3	630.06	621.02	619.56	624.35	624.18 B / STM	3.16
8	8-4	629.11	615.57	614.11	621.11	620.74 B / STM	5.16
8	8-5	629.47	615.57	614.11	617.11	617.07 B / SAN	1.50
8	8-6	629.44	618.35	617.63	620.57	619.99 B / STM	1.64
8	8-7	629.44	618.35	617.63	620.39	619.85 B / STM	1.50
8	8-8	629.22	618.35	617.63	613.96	615.27 T / SAN	2.36
8	8-9	629.57	624.07	623.35	610.02	611.85 T / SAN	11.49
8	8-10	628.08	618.76	617.30	620.59	620.26 B / STM	1.50
8	8-11	628.30	621.74	620.28	611.55	612.43 T / SAN	7.86
8	8-12	629.39	621.74	620.28	615.25	615.96 T / SAN	4.32
8	8-13	625.11	619.94	618.48	621.31	620.94 B / STM	1.00
8	8-14	634.52	615.91	614.45	VERIFY IN FIELD		
8	8-15	632.80	626.84	626.12	621.28	624.61 T / STM	1.50
8	8-16	632.61	626.84	626.12	611.65	612.94 T / SAN	13.18
8	8-17	632.58	626.84	626.12	VERIFY IN FIELD		
8	8-18	632.78	626.84	626.12	610.74	612.53 T / SAN	13.59
8	8-19	632.76	626.84	626.12	VERIFY IN FIELD		

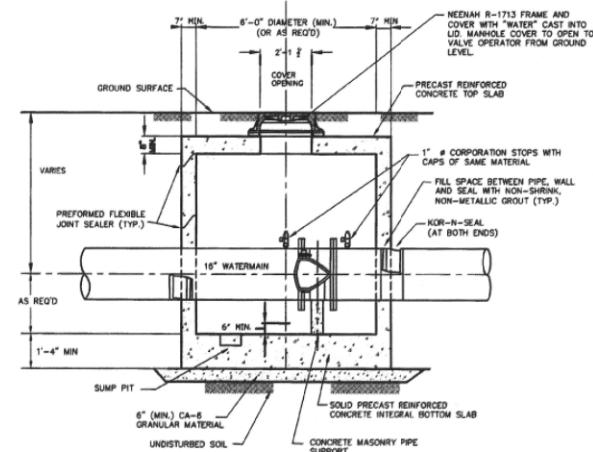
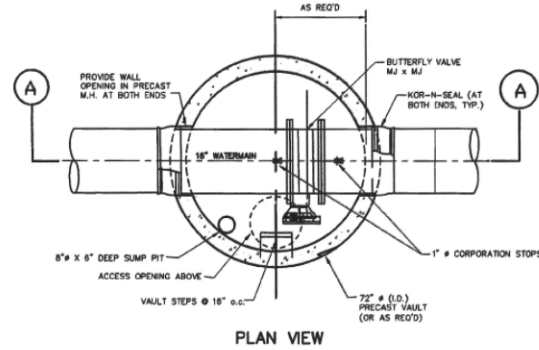
PROPOSED WATER MAIN ELEVATIONS WILLOW ROAD STA 716+00 TO STA 728+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF WATER MAIN	BOTTOM OF WATER MAIN	INVERT OF STORM / SANITARY	TOP / BOTTOM OF STORM / SANITARY	CLEARANCE
9	9-1	632.50	625.80	624.34	613.40	614.28 T / SAN	10.94
9	9-2	632.07	622.14	620.68	624.14	623.64 B / INL	1.50
9	9-3	631.37	625.16	623.70	627.36	627.19 B / STM	2.03
9	9-4	630.94	625.44	624.52	621.16	622.04 T / SAN	2.49
9	9-5	630.62	621.33	619.87	625.20	624.70 B / INL	3.37
9	9-6	630.20	623.45	622.53	625.10	624.95 B / STM	1.50
9	9-7	629.67	623.96	622.50	VERIFY IN FIELD		
9	9-8	630.22	619.76	618.84	621.59	621.26 B / STM	1.50
9	9-9	630.15	619.76	618.84	611.08	611.77 T / SAN	7.07
9	9-10	630.05	619.76	618.84	VERIFY IN FIELD		
9	9-11	629.72	623.45	622.53	612.45	614.01 T / SAN	8.52
9	9-12	629.66	623.45	622.53	625.52	625.35 B / STM	1.90
9	9-13	630.24	623.45	622.53	625.30	625.18 B / STM	1.72
9	9-14	629.64	623.77	622.31	611.41	612.10 T / SAN	10.21
9	9-15	629.29	621.00	620.08	622.75	622.50 B / STM	1.50
9	9-16	630.08	620.90	619.44	624.06	623.56 B / INL	2.66
9	9-17	630.09	620.90	619.44	622.65	622.40 B / STM	1.50
9	9-18	629.72	621.26	619.80	622.97	622.76 B / STM	1.50
9	9-19	628.98	618.95	617.49	624.22	621.05 B / CB	2.10
9	9-20	629.29	618.95	617.49	623.41	622.91 B / INL	3.96
9	9-21	629.03	618.95	617.49	623.95	620.45 B / CB	1.50
9	9-22	628.49	618.95	617.49	624.50	621.00 B / CB	2.25
9	9-23	628.37	622.65	621.19	624.87	624.37 B / INL	1.72
9	9-24	628.67	622.65	621.19	VERIFY IN FIELD		
9	9-25	628.60	620.70	619.24	622.53	622.20 B / STM	1.50
9	9-26	628.86	623.36	621.90	610.72	610.89 T / SAN	11.02

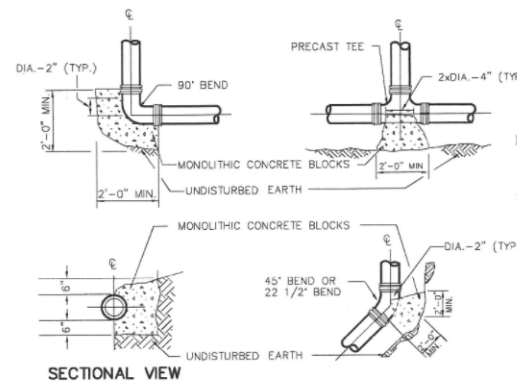
TYPICAL SIDE STREET CONNECTION
NOT TO SCALE



NOTE:
MECHANICAL JOINT RESTRAINTS, MEGALUG SERIES 1100 MANUFACTURED BY EBAA IRON (OR APPROVED EQUAL) SHALL BE PROVIDED AT ALL ELBOWS, TEES AND ANY FITTINGS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. RESTRAINED LENGTH SHALL BE AS PER MANUFACTURER'S SPECIFICATIONS.



SECTION A-A
16' IN-LINE VALVE AND VAULT
NOT TO SCALE

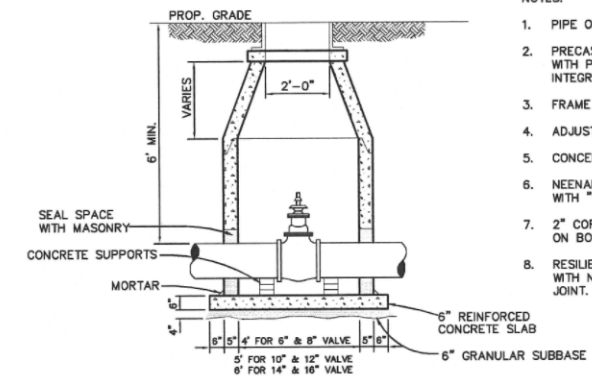


- NOTES:
- BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & 22 1/2° OR MORE BENDS.
 - THRUST BLOCKS TO BE CLASS "X" CONCRETE.
 - BEARING AREAS OF UNDISTURBED EARTH SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
 - BEARING AREA OF SOIL BASED ON 65 P.S.I. WATERMAIN PRESSURE.

TYPE OF FITTING	RESTRAINED METHOD	RESTRAINED LENGTH - EACH WAY			
		8"	10"	12"	24"
DEAD END/TEE		17'-0"	21'-0"	25'-0"	45'-0"
90° BEND		13'-0"	16'-0"	19'-0"	35'-0"
45° BEND		6'-0"	7'-0"	8'-0"	15'-0"
22 1/2° BEND		3'-0"	4'-0"	4'-0"	7'-0"
11 1/4° BEND		2'-0"	2'-0"	2'-0"	4'-0"
VERTICAL OFFSET UPPER/LOWER		9/4	11/5	20/6	35/10
FIRE HYDRANT		ALL JOINTS RESTRAINED FROM MAIN TO MJ SHOE.			

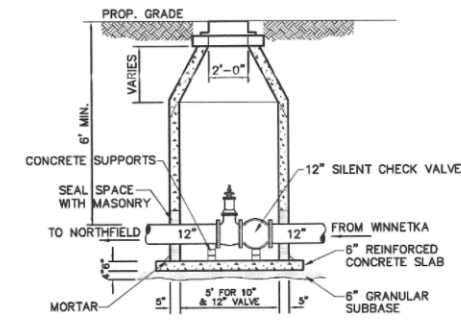
NOTES:
JOINT RESTRAINT FOR FITTINGS/CONFIGURATIONS NOT SHOWN SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
ALL BENDS, TEES, ELBOWS, REDUCERS, ETC. SHALL BE MJ WITH RETAINING GLANDS AND USING MEGALUG SERIES 1100 RESTRAINT SYSTEM AS MANUFACTURED BY EBAA IRON.

THRUST BLOCKING AND RESTRAINED LENGTH TABLE



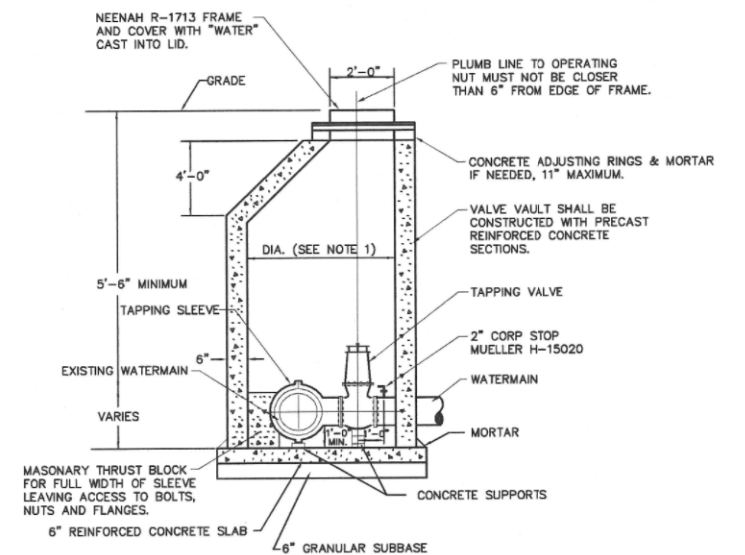
8'-12" VALVE AND VAULT

- NOTES:
- PIPE OPENINGS CAST INTO WALL.
 - PRECAST REINFORCED CONCRETE SECTIONS WITH PREFORMED BITUMINOUS JOINTS AND INTEGRAL PRECAST BOTTOMS.
 - FRAME TO BE LAID IN 3/4" MASTIC BED.
 - ADJUSTING RINGS NOT TO EXCEED 8".
 - CONCENTRIC CONE.
 - NEENAH R-1713 FRAME AND COVER WITH "WATER" IMPRINTED IN LID.
 - 2" CORPORATION STOP REQUIRED ON BOTH SIDES OF VALVE.
 - RESILIENT WEDGE GATE VALVE WITH NON RISING STEM AND MECHANICAL JOINT. (SIZE AS LABELED)



12" VALVE AND VAULT W/CHECK VALVE

- NOTES:
- PIPE OPENINGS CAST INTO WALL.
 - PRECAST REINFORCED CONCRETE SECTIONS WITH PREFORMED BITUMINOUS JOINTS AND INTEGRAL PRECAST BOTTOMS.
 - FRAME TO BE LAID IN 3/4" MASTIC BED.
 - ADJUSTING RINGS NOT TO EXCEED 8".
 - CONCENTRIC CONE.
 - NEENAH R-1713 FRAME AND COVER WITH "WATER" IMPRINTED IN LID.
 - 2" CORPORATION STOP REQUIRED ON NORTHFIELD SIDE OF VALVE.
 - RESILIENT WEDGE GATE VALVE WITH NON RISING STEM AND MECHANICAL JOINT. (SIZE AS LABELED)
 - CHECK VALVE PER PROJECT SPECIFICATIONS



- NOTES:
- 60" INSIDE DIA. FOR ALL PRESSURE CONNECTIONS.
 - PIPE OPENINGS TO BE CAST INTO WALLS.
 - BACKFILL MATERIAL SHALL BE TRENCH BACKFILL (TBF)
 - USE PRECAST ECCENTRIC MH CONE.

TAPPING VALVE AND VAULT

FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -
g:\ch11\0158\road\Sheets\0160T35-SHT-WM	STD-NORTHFIELD.dgn	DRAWN - KAL	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

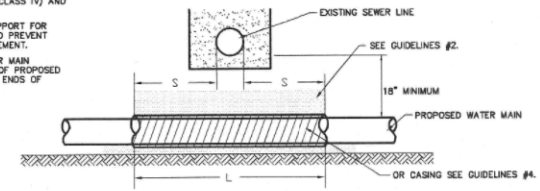
WATER MAIN DETAILS

SCALE: N.T.S. SHEET NO. 229 OF 919 SHEETS

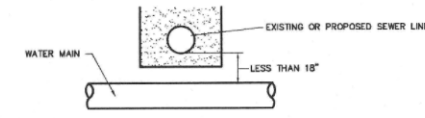
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR	COOK	919	229
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

- GUIDELINES**
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 - IF SELECT GRANULAR BACKFILL EXISTS REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 - PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
 - USE 1/2" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.



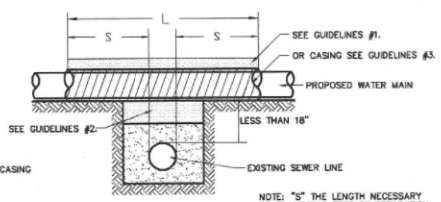
PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED***



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION
WATER AND SEWER SEPARATION REQUIREMENTS

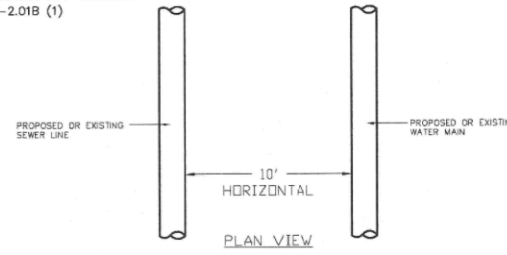
PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.

- GUIDELINES**
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 - IF SELECT GRANULAR BACKFILL EXISTS REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 - USE 1/2" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
 - POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

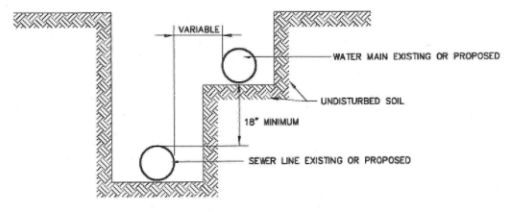


WATER AND SEWER SEPARATION REQUIREMENTS

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



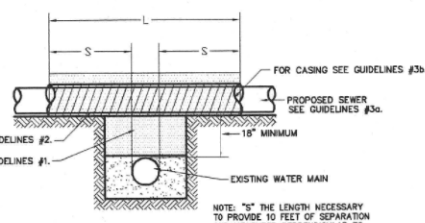
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS

PROPOSED SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN.

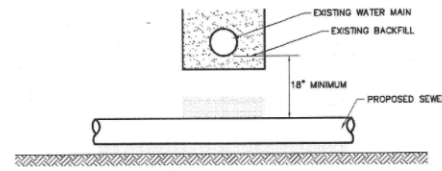
- GUIDELINES**
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
 - OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
 - CONSTRUCT 1/2" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR:
 - USE 1/2" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.



WATER AND SEWER SEPARATION REQUIREMENTS

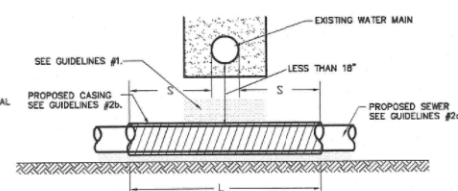
PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.

- GUIDELINES**
- PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

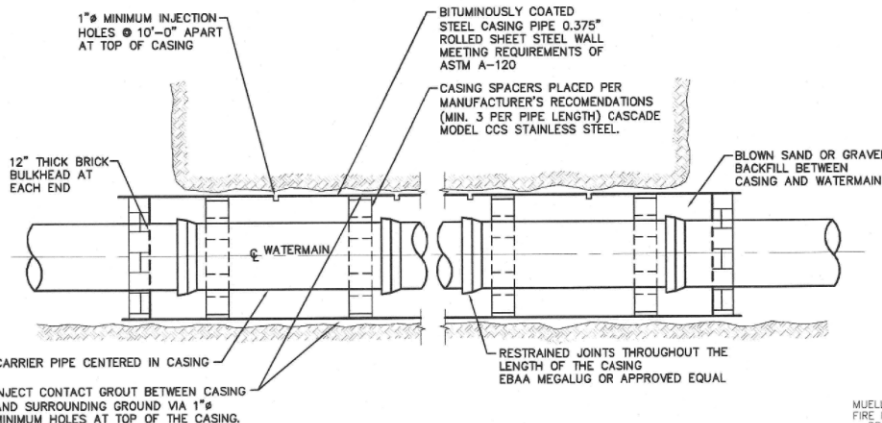


PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" VERTICAL SEPARATION.

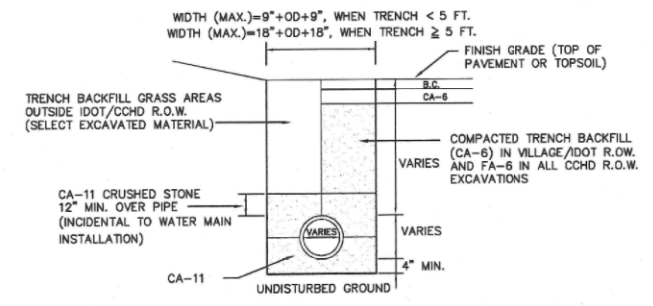
- GUIDELINES**
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
 - CONSTRUCT 1/2" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR:
 - USE 1/2" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
 - PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.



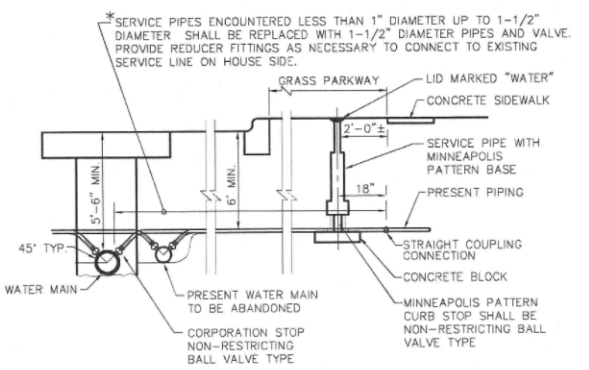
WATER AND SEWER SEPARATION REQUIREMENTS



CASING PIPE INSTALLATION
NOT TO SCALE

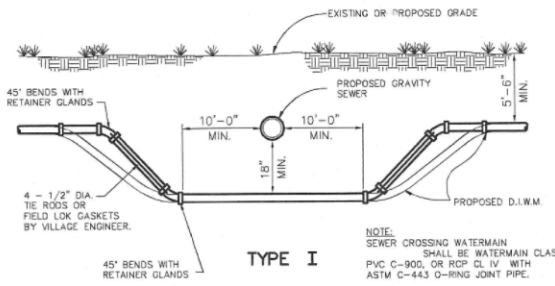


WATERMAIN TRENCH

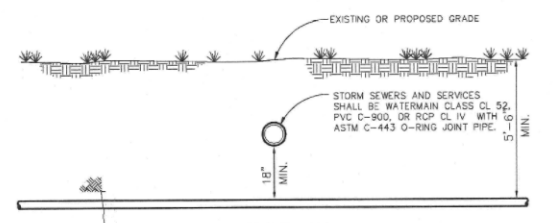


- NOTES:**
- EXISTING SERVICE PIPES MAY BE OF VARYING SIZES AND MATERIALS. CONTRACTOR SHALL FURNISH SUITABLE CONNECTOR TO COPPER PIPE AND FITTINGS.
 - ALL CORP AND CURB STOPS SHALL BE FLARE TYPE CONNECTIONS.
 - THE EXISTING SERVICE BOX SHALL BE REMOVED AND THE NEW SERVICE BOX PLACED AS CLOSE AS POSSIBLE TO THE ORIGINAL LOCATION.
 - SERVICE TAP SHALL INCLUDE SMITH-BLAIR 317 SERVICE SADDLE OR APPROVED EQUAL.

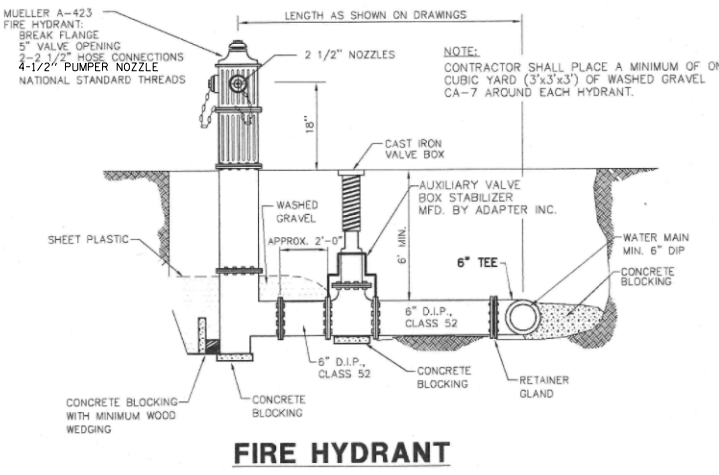
TYPICAL WATER SERVICE CONNECTION



TYPE I



TYPE II WATERMAIN CROSSING



FIRE HYDRANT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

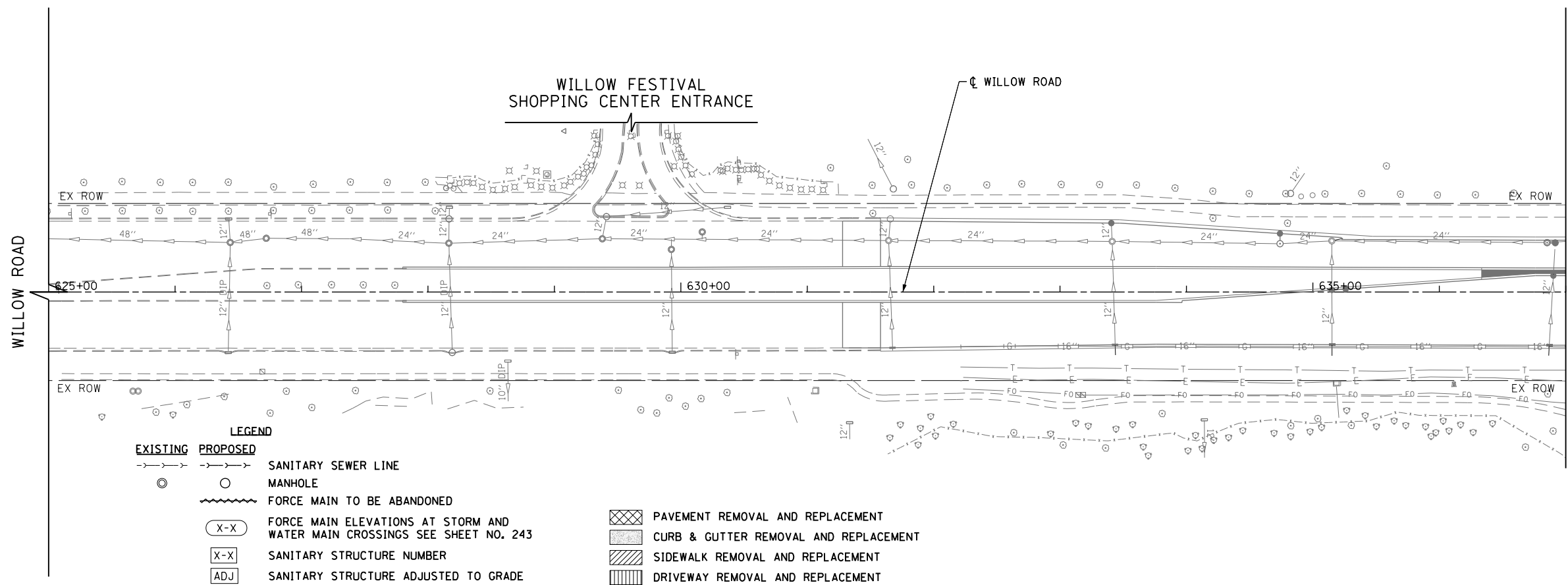
SCALE: N.T.S. SHEET NO. 230 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR	COOK	919	230
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

FILE NAME =	USER NAME = BAWtort	DESIGNED - JLV	REVISED -
g:\ch11\0158\road\Sheets\0160T35-SHT-WM	STD-NORTHFIELD.dgn	DRAWN - KAL	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - RCB	REVISIONS -	REVISIONS -
PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISIONS -	REVISIONS -

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

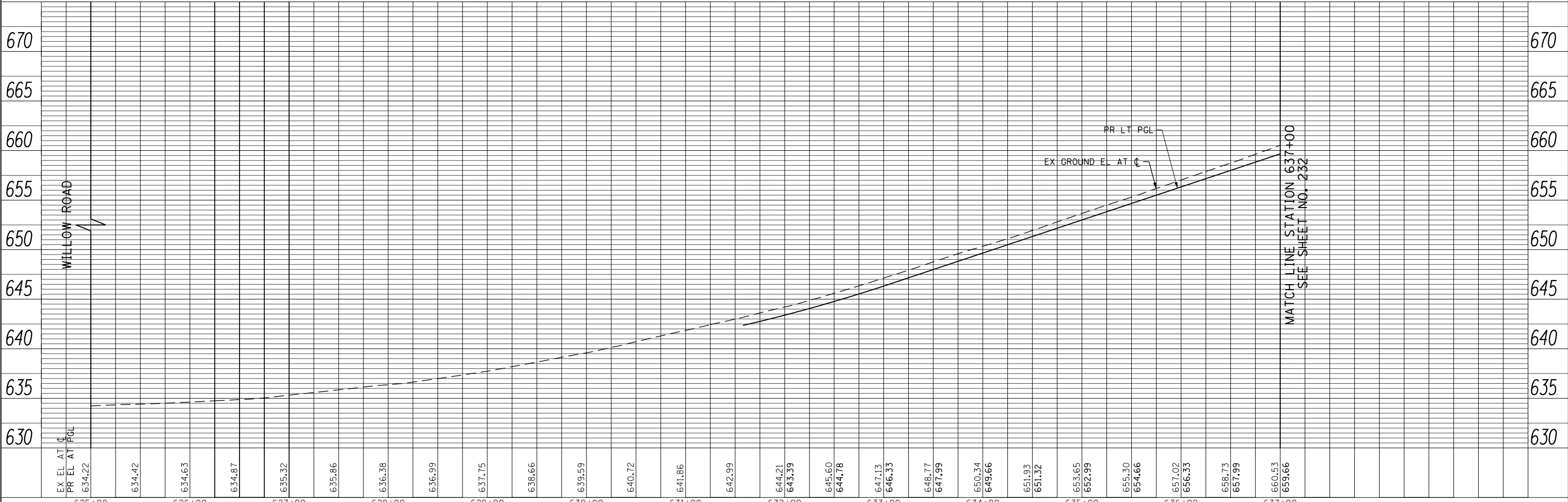
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKO		
	NO.		



LEGEND

EXISTING	PROPOSED	SANITARY SEWER LINE	PAVEMENT REMOVAL AND REPLACEMENT
○	○	MANHOLE	CURB & GUTTER REMOVAL AND REPLACEMENT
~	~	FORCE MAIN TO BE ABANDONED	SIDEWALK REMOVAL AND REPLACEMENT
(X-X)	(X-X)	FORCE MAIN ELEVATIONS AT STORM AND WATER MAIN CROSSINGS SEE SHEET NO. 243	DRIVEWAY REMOVAL AND REPLACEMENT
(X-X)		SANITARY STRUCTURE NUMBER	
(ADJ)		SANITARY STRUCTURE ADJUSTED TO GRADE	

- NOTES:**
1. ALL EXISTING UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS PROVIDED BY UTILITY COMPANIES' ATLAS MAPS AND/OR FIELD LOCATES.
 2. ALL EXISTING UTILITY LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
 3. ALL PROPOSED UTILITY SERVICE LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND COORDINATED WITH NFPW.
 4. MAINTAIN 10' MINIMUM HORIZONTAL SEPARATION BETWEEN STORM SEWER/SANITARY SEWER AND WATER MAIN (TYPICAL).
 5. GROUND ELEVATIONS SHALL BE RESTORED TO EXISTING CONDITIONS ONCE THE SANITARY SEWER/FORCE MAIN INSTALLATION HAS BEEN COMPLETED UNLESS OTHERWISE NOTED ON THE PLANS.
 6. SANITARY FORCE MAIN BURY DEPTH SHALL BE A MINIMUM OF 5.5' TO THE TOP OF PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
 7. ALL FITTINGS FOR THE SANITARY FORCE MAIN SHALL INCLUDE MEG-A-LUGS AND RESTRAINT HARNESSES TWO PIPE JOINTS UPSTREAM AND DOWNSTREAM.
 8. ALL RETIRED MAINS WITHIN PROJECT LIMITS SHALL BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (MIX 1) IN CONFORMANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS.
 9. THE COST OF ANY PUMPING AND/OR DEWATERING REQUIRED TO CONSTRUCT SANITARY SEWER/FORCE MAIN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE SEWER AND FORCE MAIN.



FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -
g:\ch11\0158\road\Sheets\DI60T35-SHT-SANFM-01.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -
PLOT DATE = 11/1/2012		DATE = 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD SANITARY SEWER PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 231 OF 919 SHEETS
STA. 625+00 TO STA. 637+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR)	COOK	919	231
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

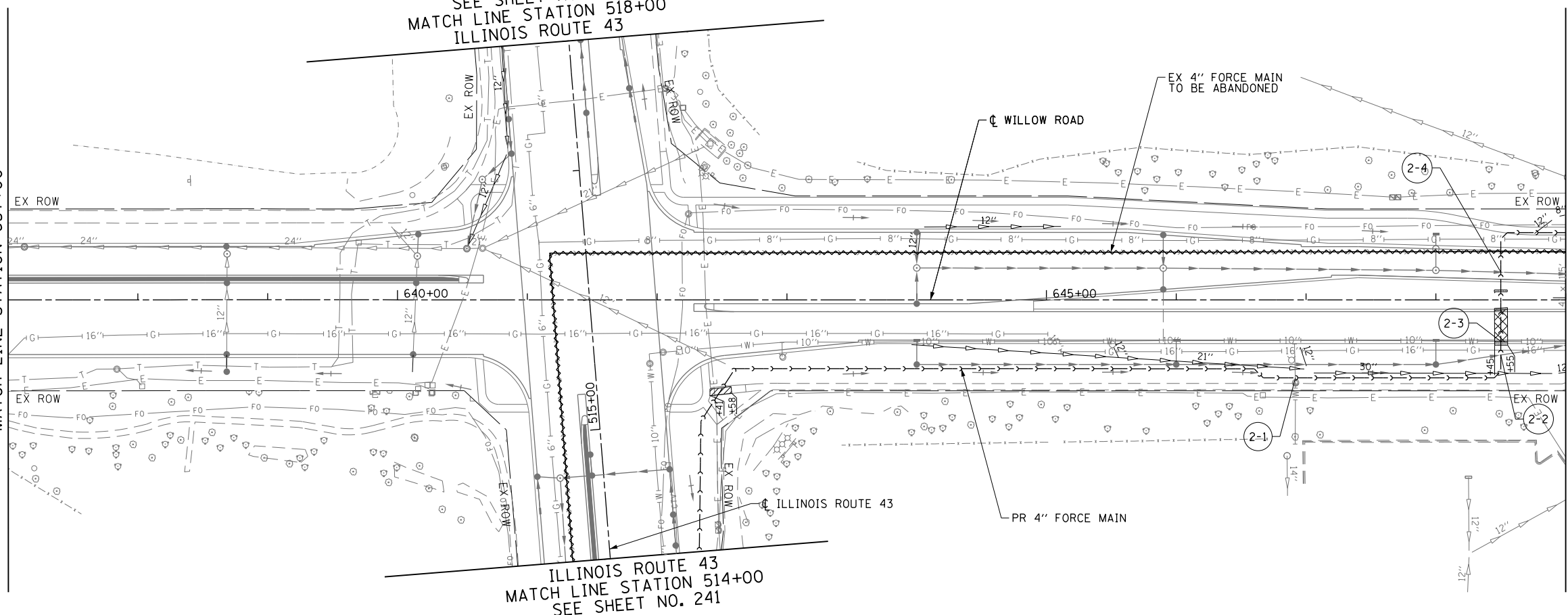
SEE SHEET NO. 242
MATCH LINE STATION 518+00
ILLINOIS ROUTE 43



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	FILE NAME		
	NO.		

SEE SHEET NO. 231
MATCH LINE STATION 637+00

MATCH LINE STATION 649+00
SEE SHEET NO. 233



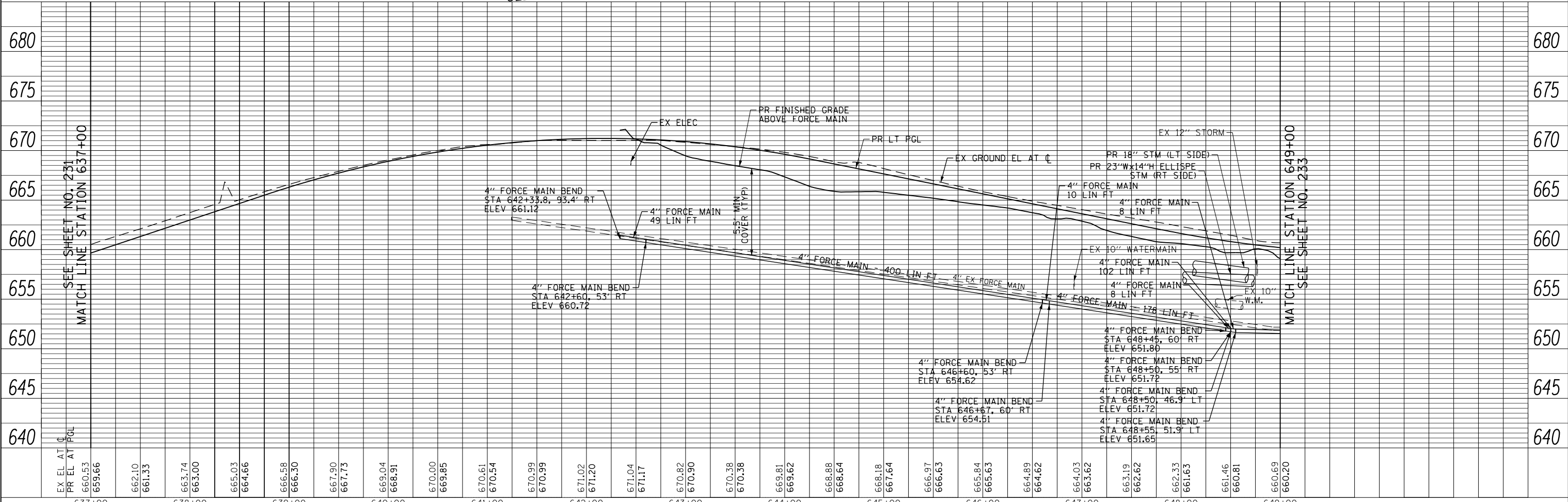
ILLINOIS ROUTE 43
MATCH LINE STATION 514+00
SEE SHEET NO. 241

NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

SEE SHEET NO. 231
MATCH LINE STATION 637+00

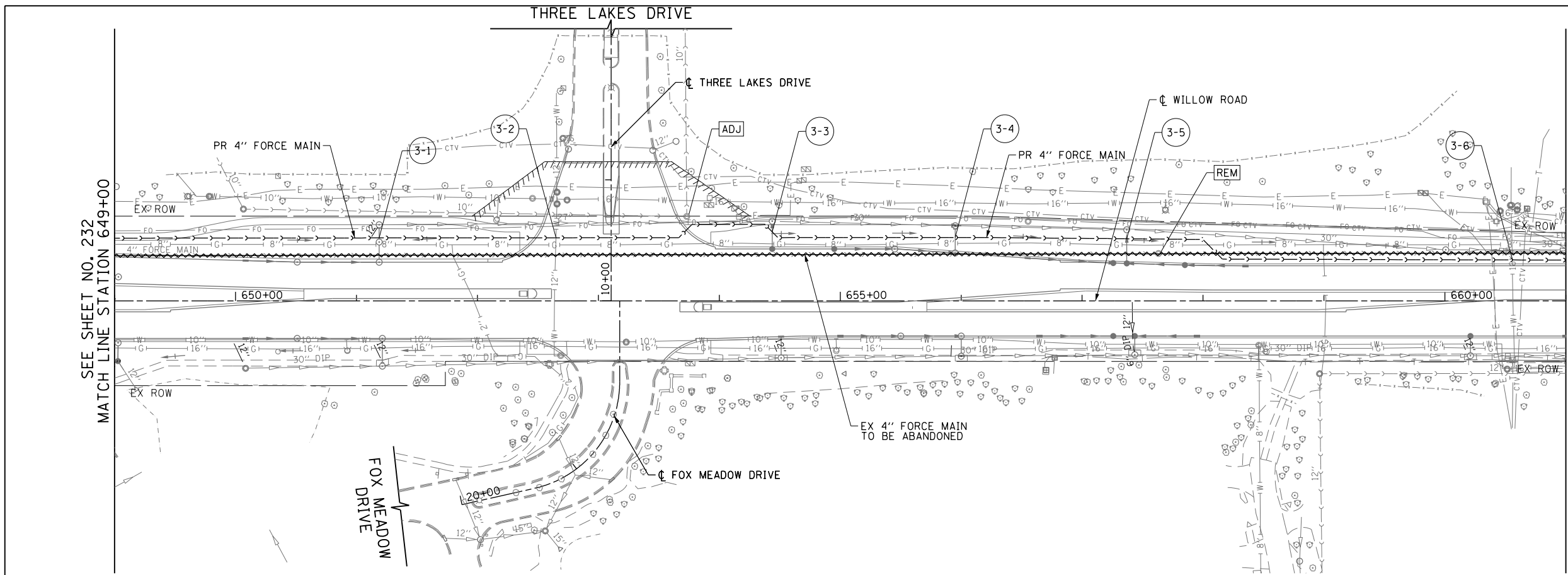
MATCH LINE STATION 649+00
SEE SHEET NO. 233



FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">WILLOW ROAD SANITARY SEWER PLAN AND PROFILE</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
g:\ch11\0158\road\Sheets\DI60T35-SHT-SANFM-02.dgn		DRAWN -	REVISED -		305	(1920.01,1518,2022&1922.4BR)	COOK	919	232	
PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -		CONTRACT NO. 60T35					
PLOT DATE = 11/1/2012		DATE = 10/31/2012	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		SCALE: HORIZ. 1"=50'			SHEET NO. 232 OF 919 SHEETS		STA. 637+00		TO STA. 649+00	
		VERT. 1"=5'								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

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

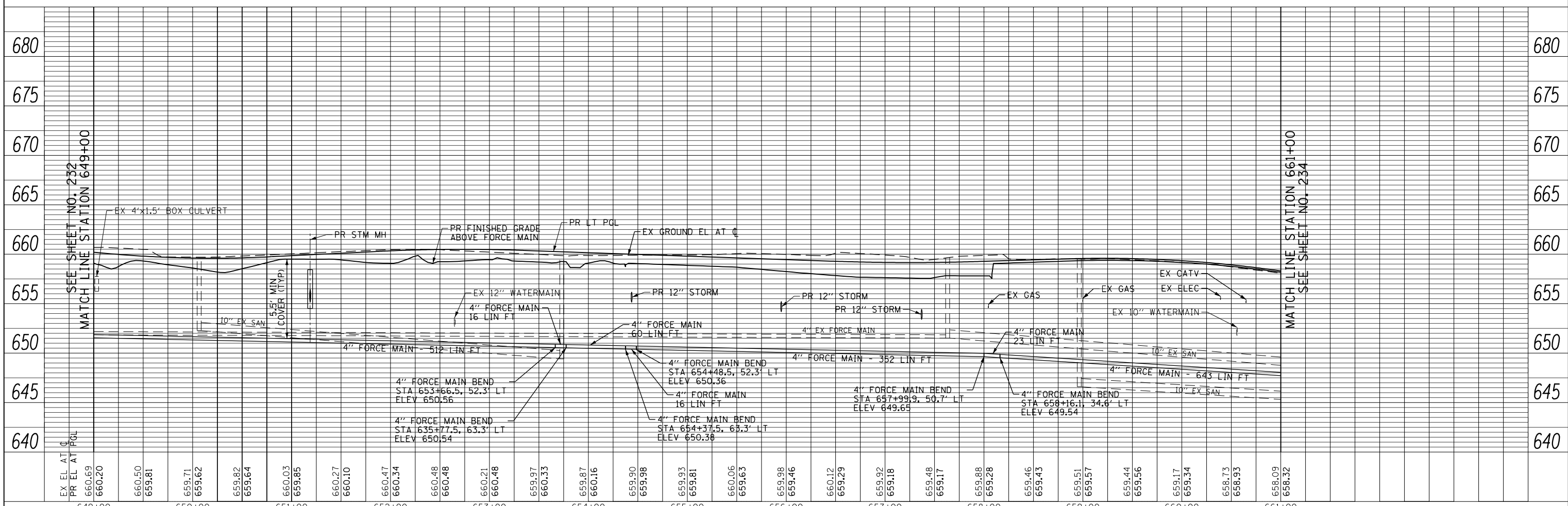


SEE SHEET NO. 232
MATCH LINE STATION 649+00

MATCH LINE STATION 661+00
SEE SHEET NO. 234



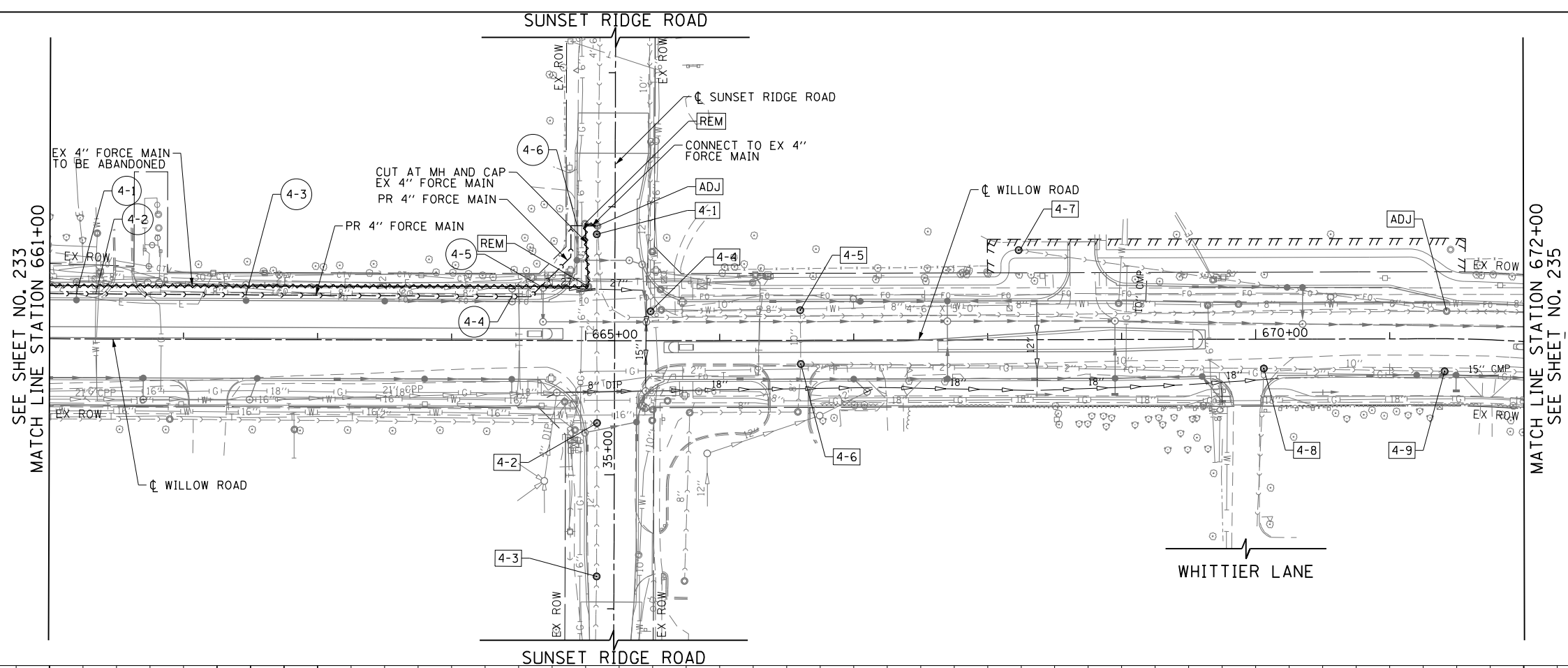
NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



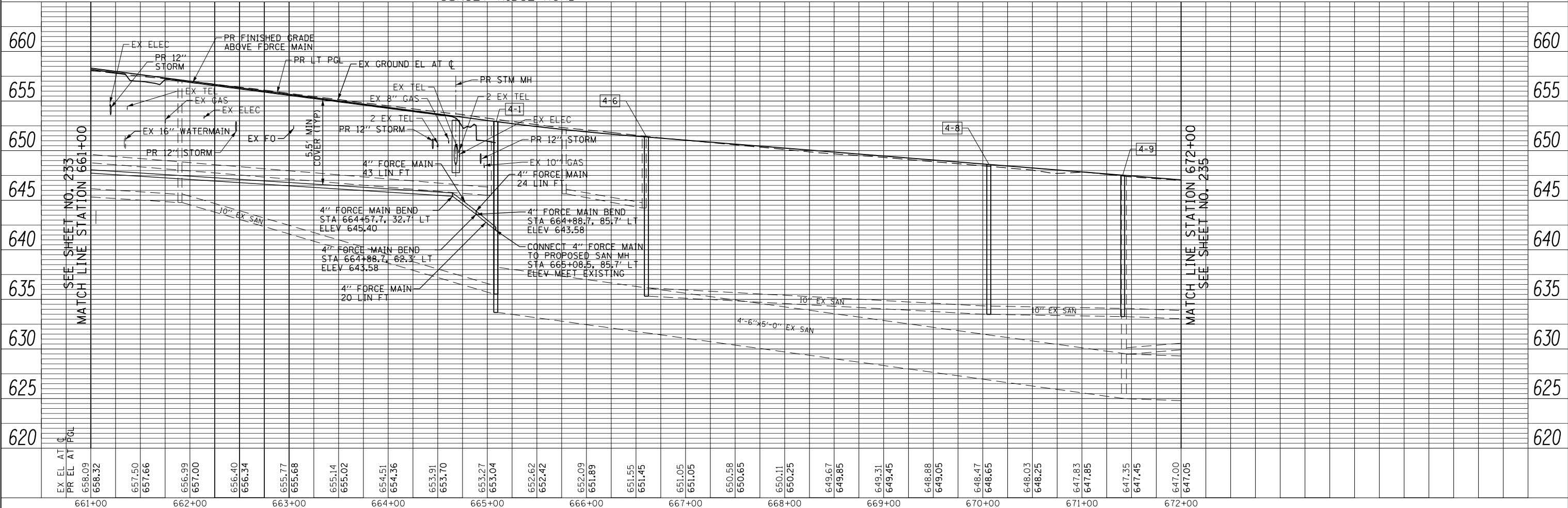
EX EL AT PGL	PR EL AT PGL	649+00	650+00	651+00	652+00	653+00	654+00	655+00	656+00	657+00	658+00	659+00	660+00	661+00
660.69	660.20	660.50	659.81	659.71	659.62	659.82	659.64	660.03	659.85	660.27	660.10	660.47	660.34	660.48
660.20	660.50	659.81	659.71	659.62	659.82	659.64	660.03	659.85	660.27	660.10	660.47	660.34	660.48	660.20
660.69	660.20	660.50	659.81	659.71	659.62	659.82	659.64	660.03	659.85	660.27	660.10	660.47	660.34	660.48
660.20	660.50	659.81	659.71	659.62	659.82	659.64	660.03	659.85	660.27	660.10	660.47	660.34	660.48	660.20

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	NO.	

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



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -
g:\ch11\0158\road\Sheets\160135-SHT-SANFM-04.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -
PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

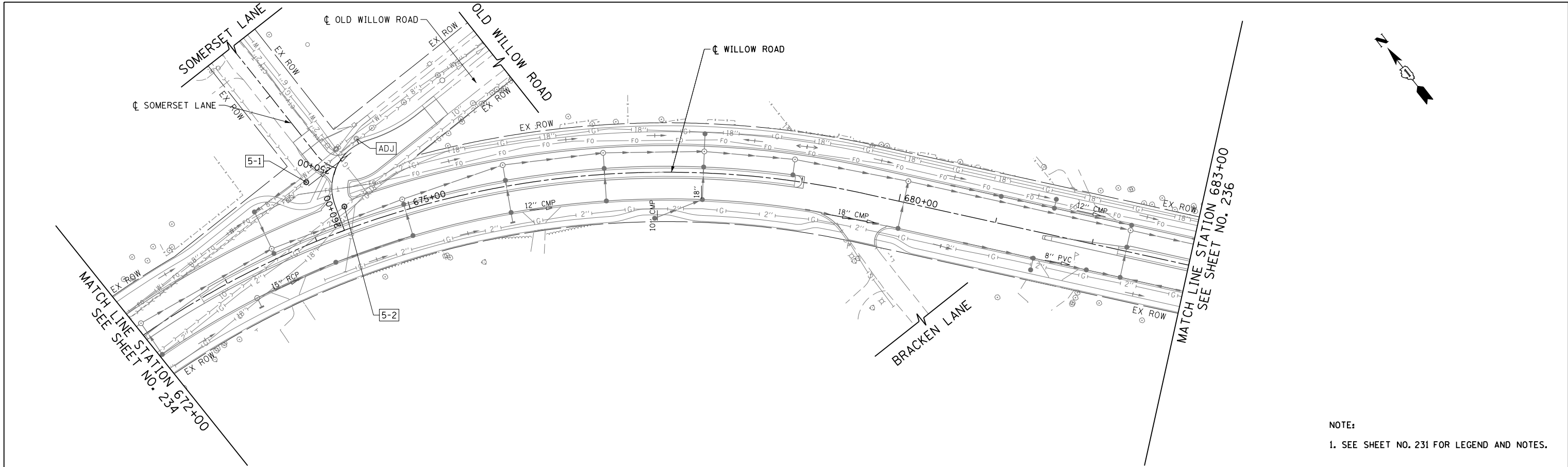
WILLOW ROAD SANITARY SEWER PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 234 OF 919 SHEETS
STA. 661+00 TO STA. 672+00

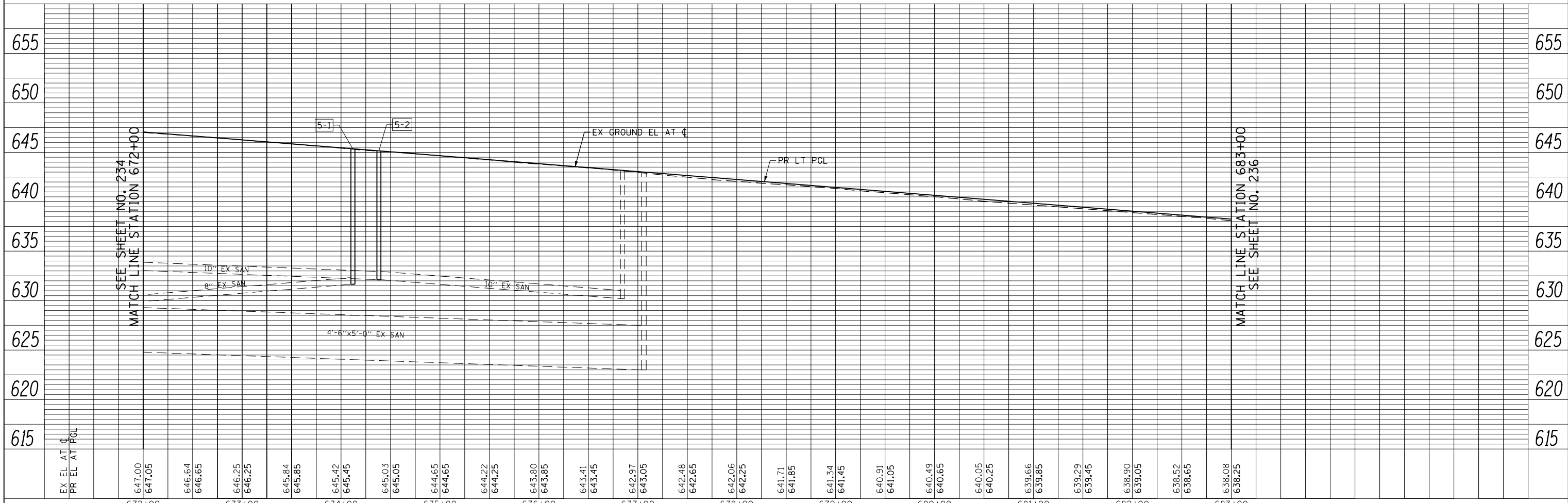
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	234
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

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



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



EX EL AT C	647.00	646.64	646.25	645.84	645.42	645.03	644.65	644.22	643.80	643.41	642.97	642.48	642.06	641.71	641.34	640.91	640.49	640.05	639.66	639.29	638.90	638.52	638.08	637.25
PR EL AT PGL	647.05	646.65	646.25	645.85	645.45	645.05	644.65	644.25	643.85	643.45	643.05	642.65	642.25	641.85	641.45	641.05	640.65	640.25	639.85	639.45	639.05	638.65	638.25	
	672+00	673+00	674+00	675+00	676+00	677+00	678+00	679+00	680+00	681+00	682+00	683+00												

FILE NAME =	USER NAME = BAW:tort	DESIGNED -	REVISED -
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PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -

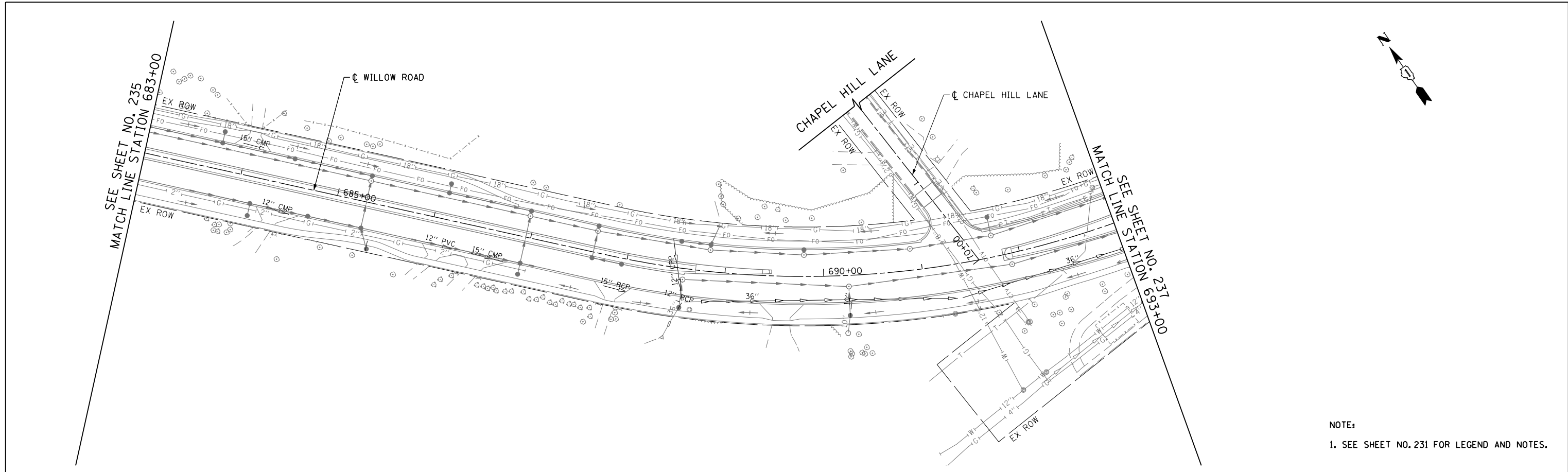
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD SANITARY SEWER PLAN AND PROFILE	
SCALE: HORIZ: 1"=50' VERT: 1"=5'	SHEET NO. 235 OF 919 SHEETS STA. 672+00 TO STA. 683+00

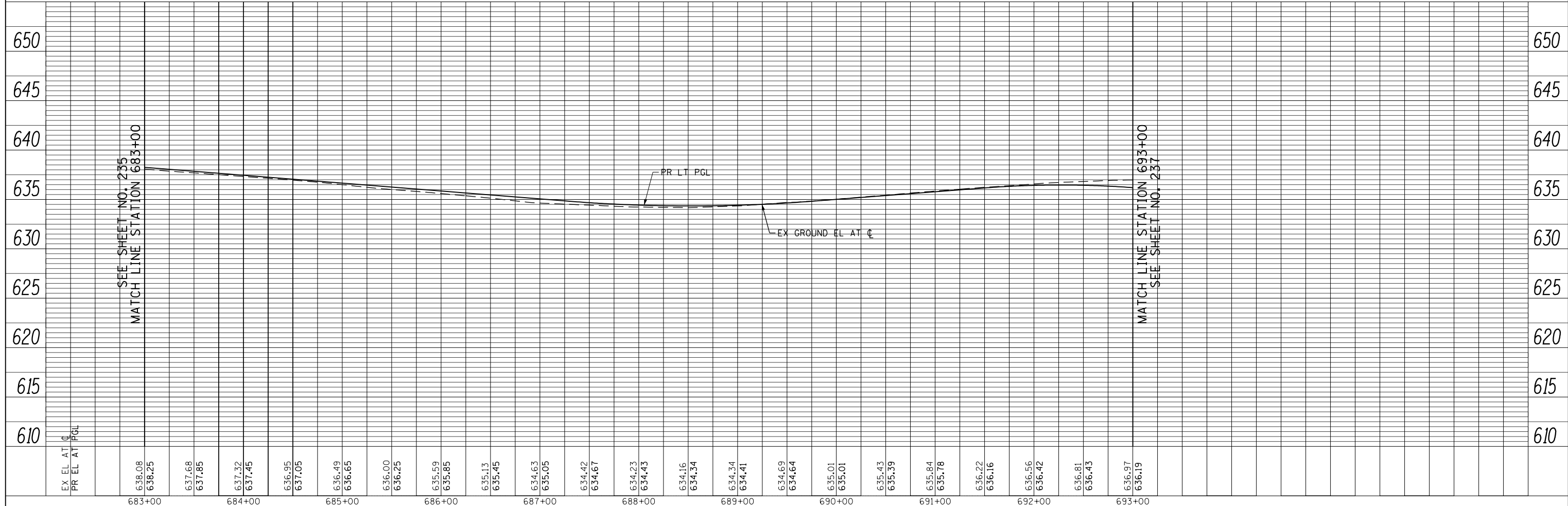
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	235
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



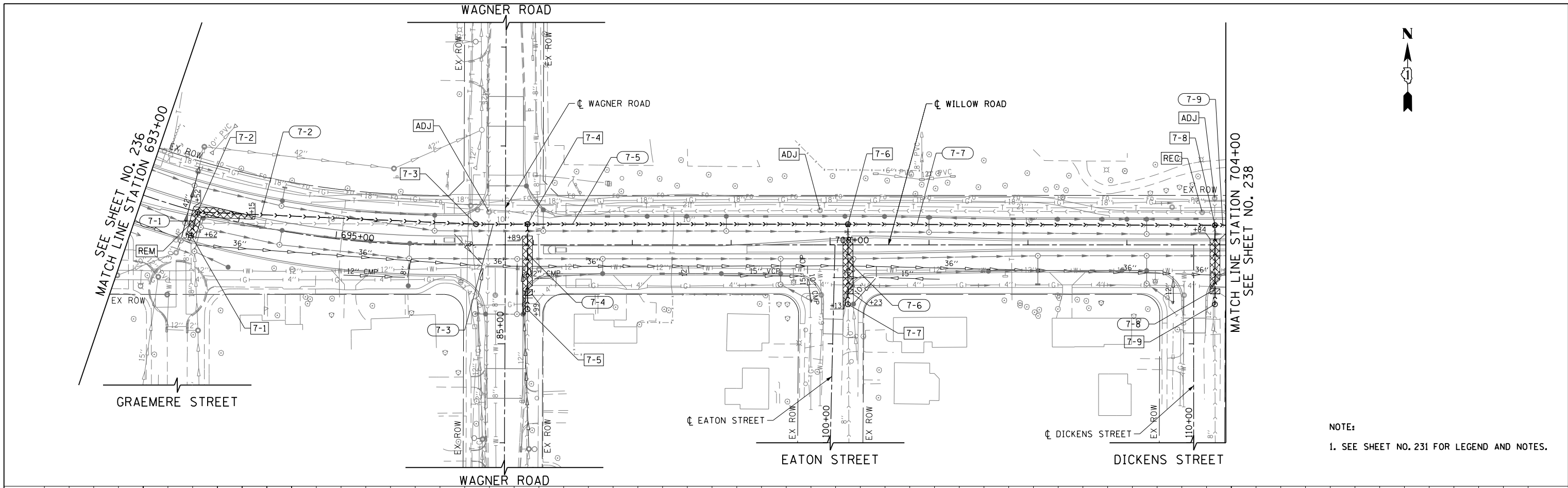
NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



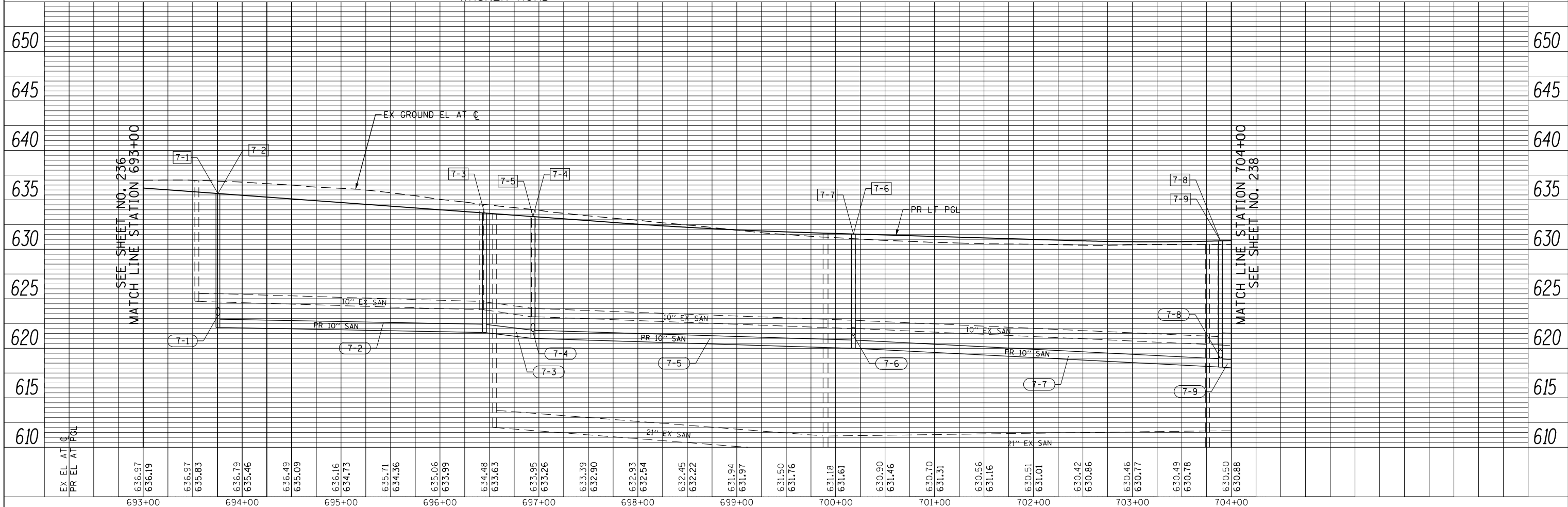
FILE NAME = g:\ch11\0158\road\Sheets\160135-SHT-SANFM-06.dgn	USER NAME = BAW:ort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD SANITARY SEWER PLAN AND PROFILE	F.A.P. RTE. 305	SECTION (1920.01,1518,2022&1922.4)BR	COUNTY COOK	TOTAL SHEETS 919	SHEET NO. 236
PLOT SCALE = 100.000' / in.	CHECKED -	REVISED -	SCALE: HORIZ: 1"=50' VER: 1"=5'			SHEET NO. 236 OF 919 SHEETS	STA. 683+00 TO STA. 693+00	CONTRACT NO. 60T35		
PLOT DATE = 11/1/2012	DATE = 10/31/2012	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	CADD FILE NAME		
	NO.		

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



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.

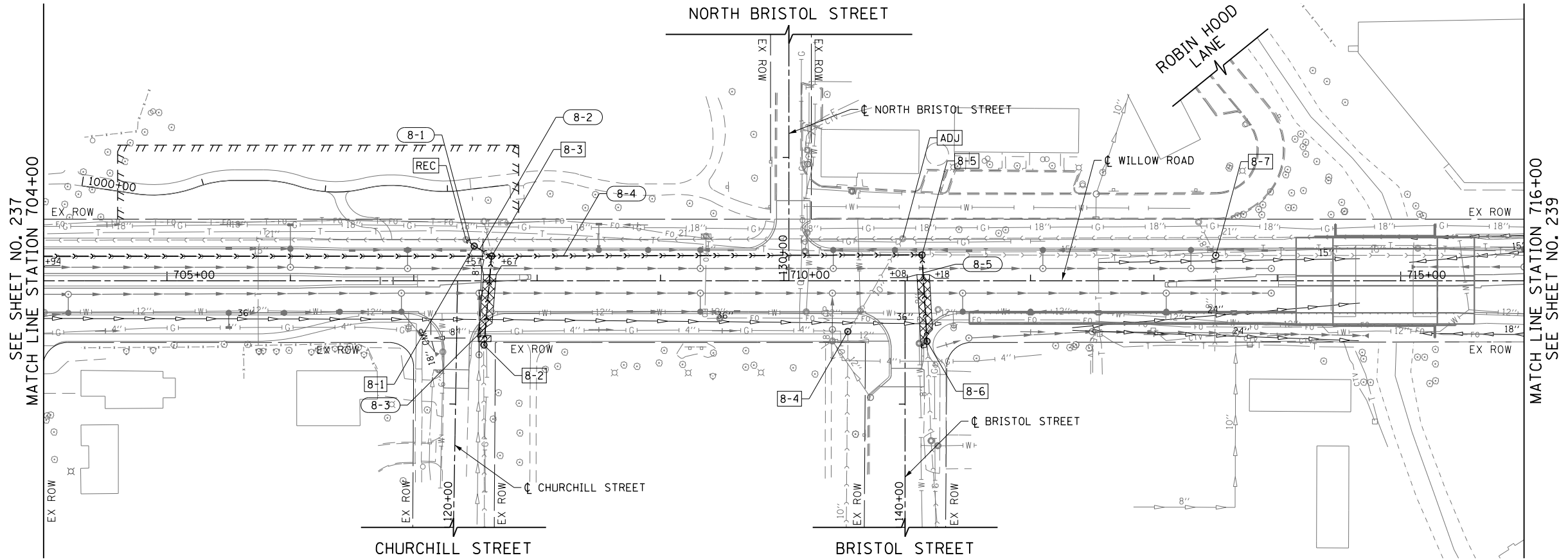


FILE NAME =	USER NAME = BAW:tort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD SANITARY SEWER PLAN AND PROFILE	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\ch11\0158\road\Sheets\DI60T35-SHT-SANFM-07.dgn		DRAWN -	REVISED -			305	(1920.01,1518,2022&1922.4)BR	COOK	919	237
PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60T35				
PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

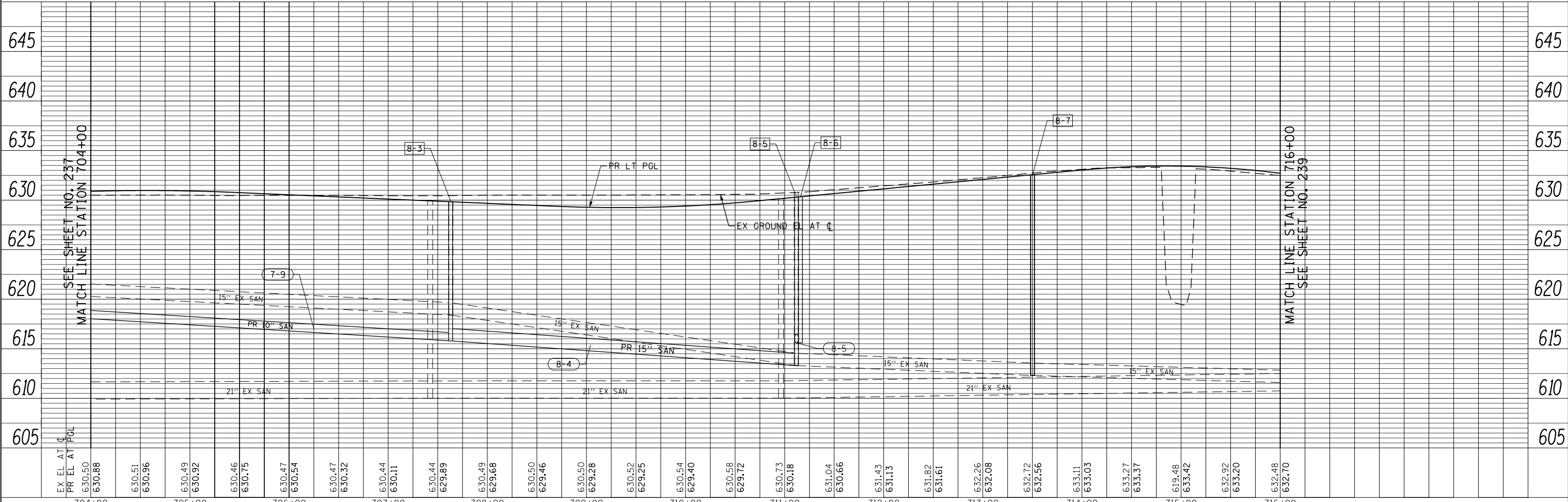


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

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



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.

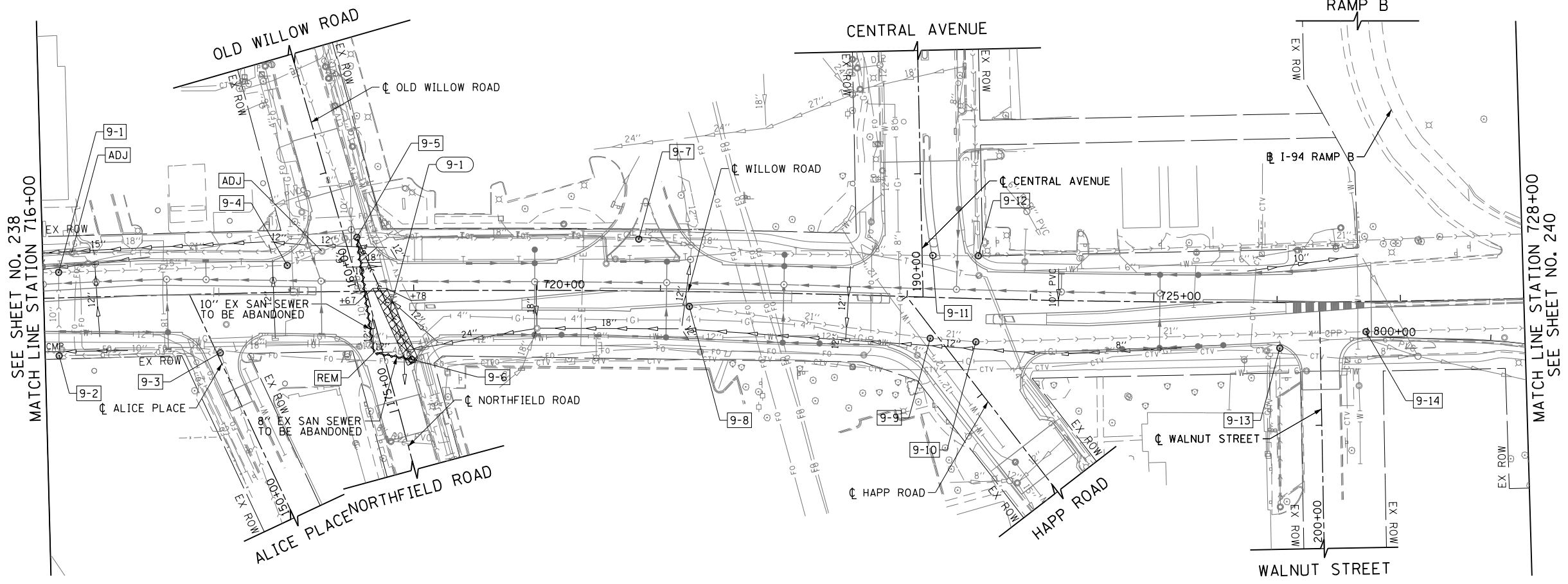


FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD SANITARY SEWER PLAN AND PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
g:\ch11\0158\road\Sheets\DI60T35-SHT-SANFM-08.dgn		DRAWN -	REVISED -			305	(1920.01,1518,2022&1922.4)BR	COOK	919	238	
PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -			CONTRACT NO. 60T35					
PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

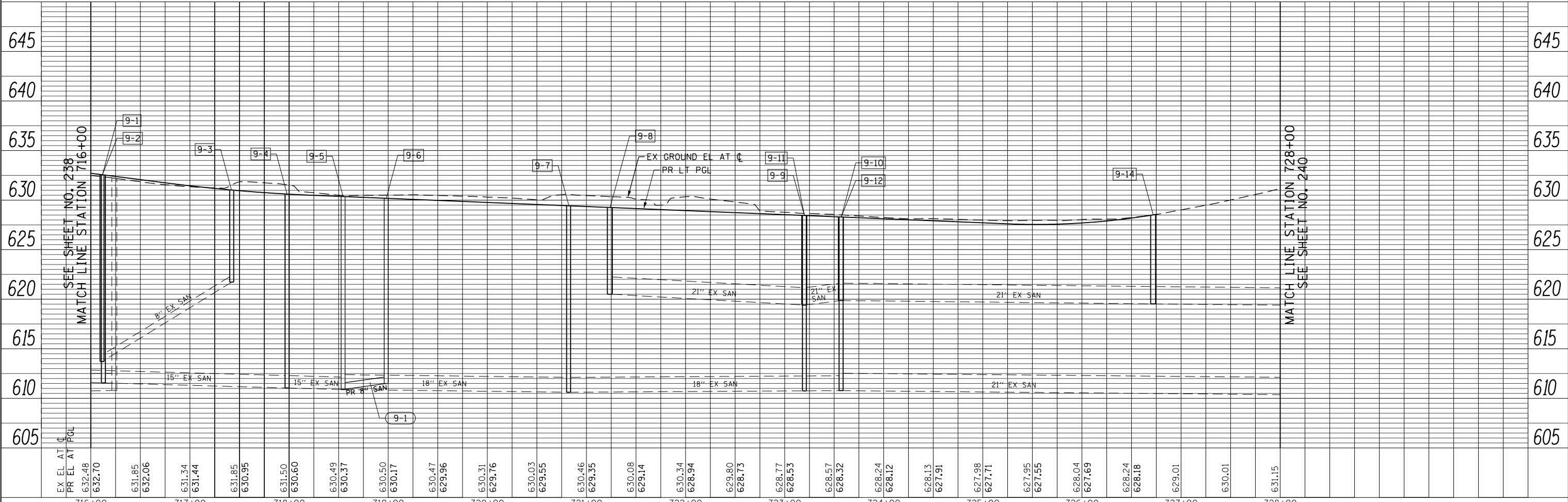
SCALE: HORIZ: 1"=50' VERT: 1"=5' SHEET NO. 238 OF 919 SHEETS STA. 704+00 TO STA. 716+00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



EX EL AT C PR EL AT PGL 632.48 632.70	631.85 632.06	631.34 631.44	631.85 630.95	631.50 630.60	630.49 630.37	630.50 630.17	630.47 629.96	630.31 629.76	630.03 629.55	630.46 629.35	630.08 629.14	630.34 628.94	629.80 628.73	628.77 628.53	628.57 628.32	628.24 628.12	628.13 627.91	627.98 627.71	627.95 627.55	628.04 627.69	628.24 628.18	629.01	630.01	631.15	
716+00	717+00	718+00	719+00	720+00	721+00	722+00	723+00	724+00	725+00	726+00	727+00	728+00													

FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -
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PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -
PLOT DATE = 11/1/2012		DATE = 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

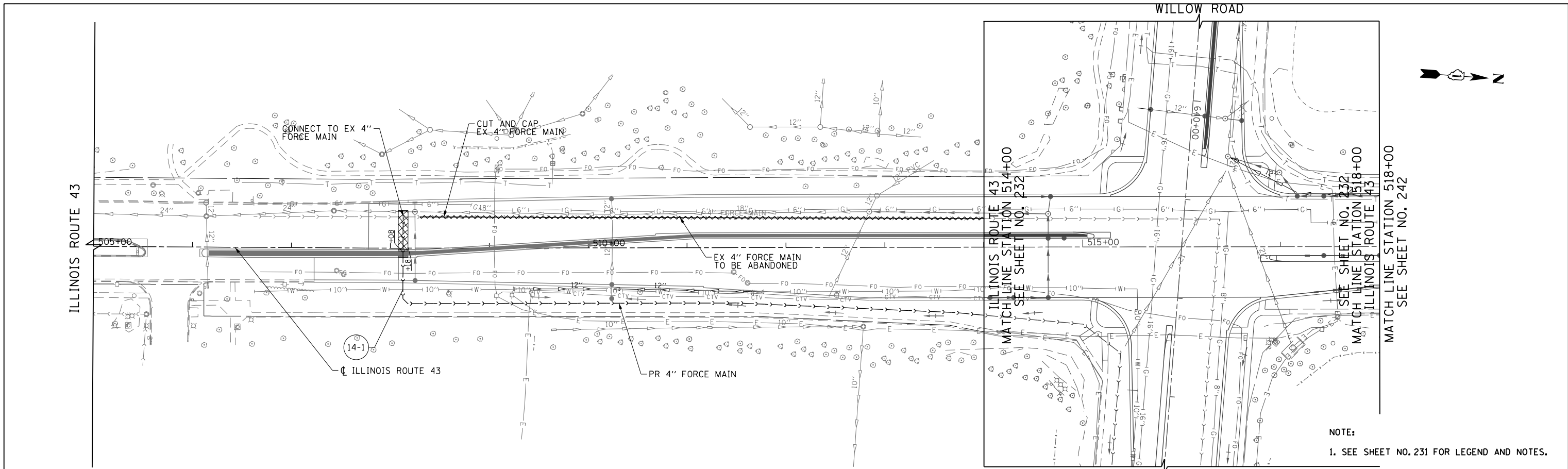
WILLOW ROAD SANITARY SEWER PLAN AND PROFILE

SCALE: HORIZ: 1"=50'
VERT: 1"=5'
SHEET NO. 239 OF 919 SHEETS STA. 716+00 TO STA. 728+00

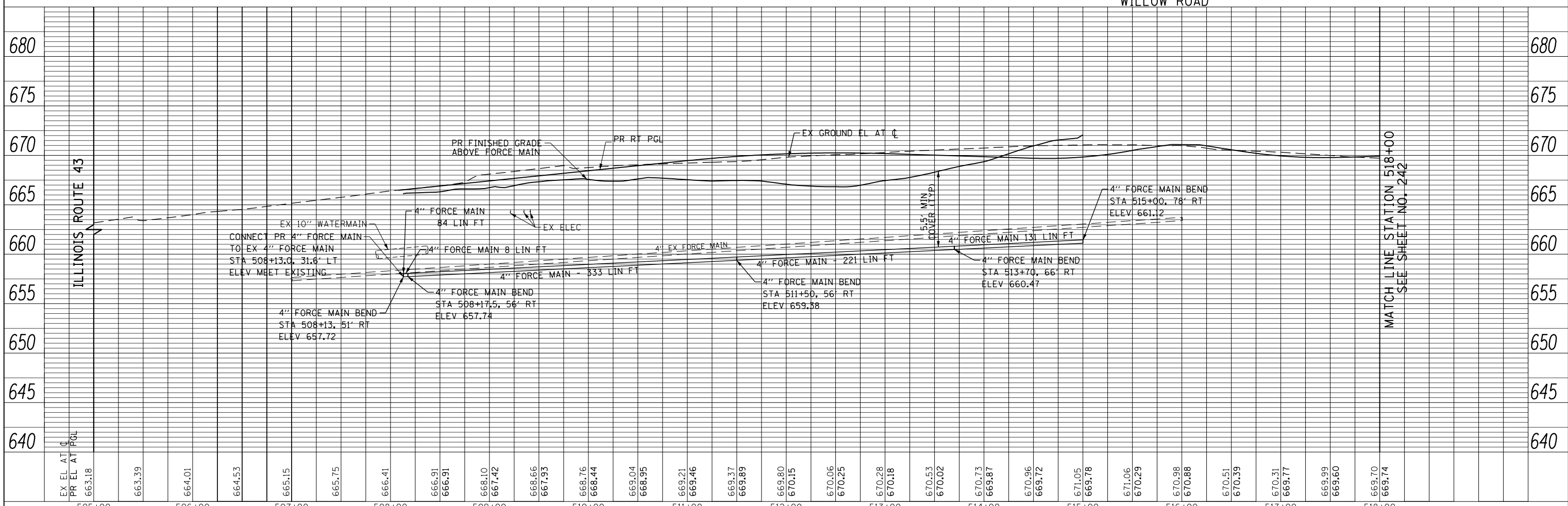
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	239
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
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	FILE NAME		
	NO.		

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



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -
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PLOT SCALE = 100.000' / in.		CHECKED -	REVISED -
PLOT DATE = 11/1/2012		DATE = 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 43 SANITARY SEWER PLAN AND PROFILE

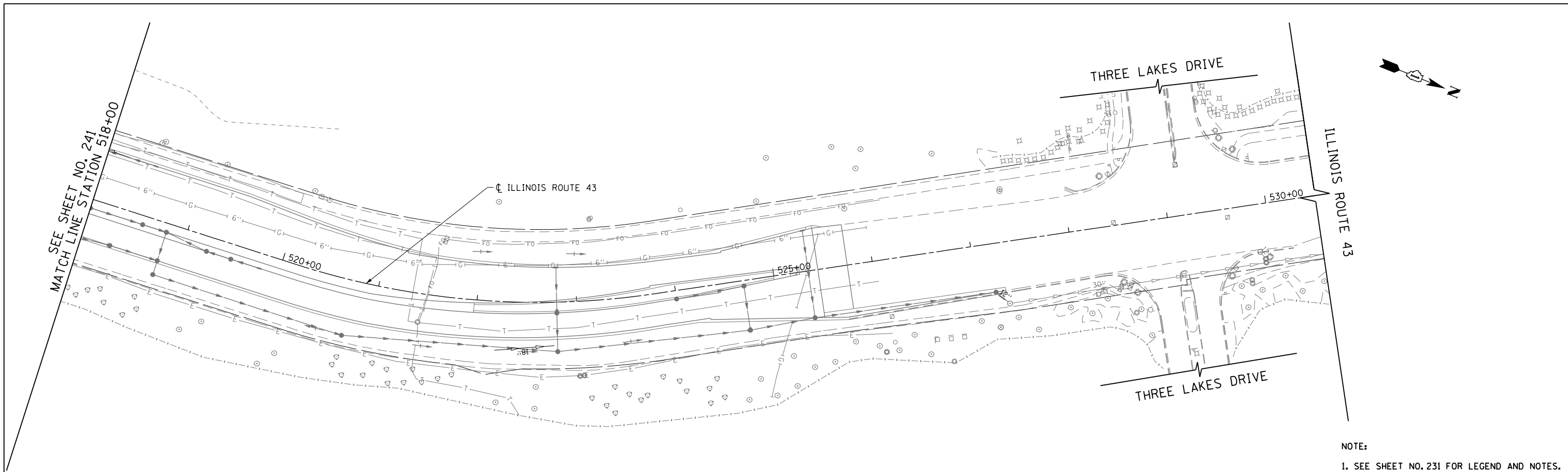
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	241
CONTRACT NO. 60T35				

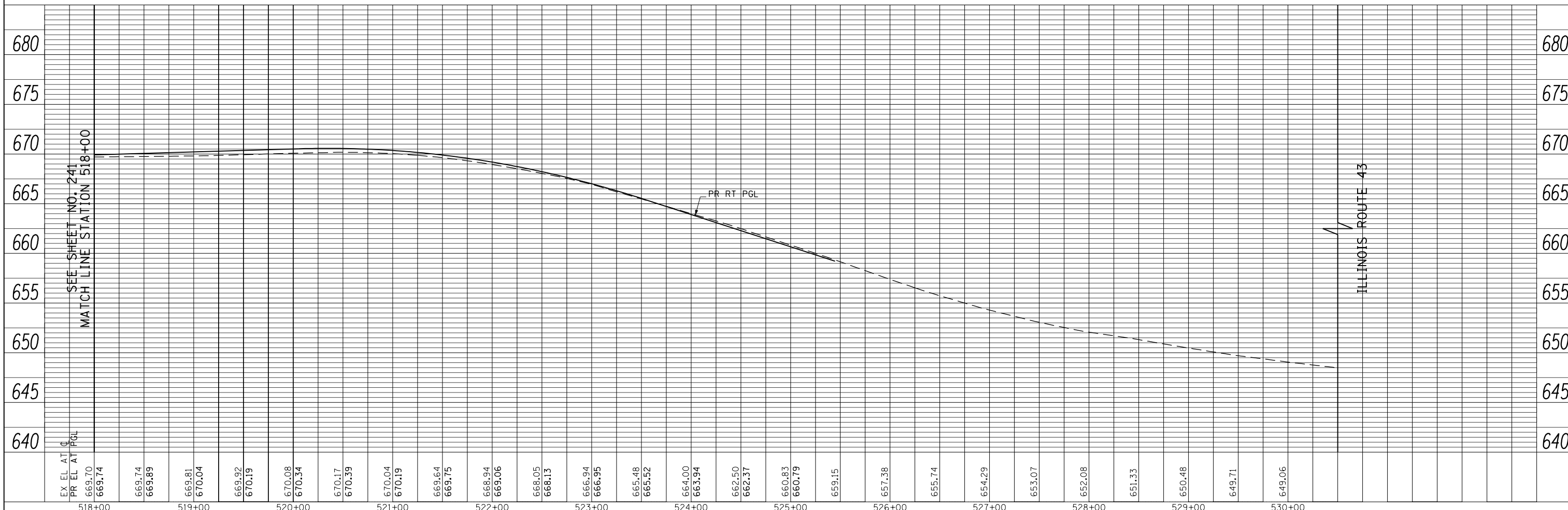
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NOTATIONS CHKD		



NOTE:
1. SEE SHEET NO. 231 FOR LEGEND AND NOTES.



FILE NAME =	USER NAME = BAW:ort	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 43 SANITARY SEWER PLAN AND PROFILE

SCALE: 1" = 50' SHEET NO. 242 OF 919 SHEETS STA. 518+00 TO STA. 530+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	242
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

WILLOW ROAD SANITARY ELEVATIONS STA 637+00 TO STA 649+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF FORCE MAIN	BOTTOM OF FORCE MAIN	INVERT OF STORM/WATER	TOP / BOTTOM OF STORM / WATER MAIN	CLEARANCE (FOOT)
2	2-1	665.31	654.44	654.11	655.99	655.95 (B/WTR)	1.51
2	2-2	661.84	652.06	651.72	656.38	656.07 (B/STM)	4.01
2	2-3	662.26	652.06	651.72	654.04	654.00 (B/WTR)	1.94
2	2-4	662.70	652.06	651.72	657.25	657.04 (B/STM)	4.98

WILLOW ROAD SANITARY ELEVATIONS STA 649+00 TO STA 661+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF FORCE MAIN	BOTTOM OF FORCE MAIN	INVERT OF STORM/WATER	TOP / BOTTOM OF STORM / WATER MAIN	CLEARANCE (FOOT)
3	3-1	659.00	651.42	651.09	655.18	654.52 (B/MH)	3.10
3	3-2	659.11	651.11	650.78	652.66	652.62 (B/WTR)	1.51
3	3-3	658.81	650.73	650.40	655.16	654.99 (B/STM)	4.26
3	3-4	658.28	650.41	650.08	654.20	654.03 (B/STM)	3.62
3	3-5	657.61	650.11	649.78	653.42	653.25 (B/STM)	3.14
3	3-6	658.58	648.35	648.01	651.79	651.75 (B/WTR)	3.40

WILLOW ROAD SANITARY ELEVATIONS STA 661+00 TO STA 672+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF FORCE MAIN	BOTTOM OF FORCE MAIN	INVERT OF STORM/WATER	TOP / BOTTOM OF STORM / WATER MAIN	CLEARANCE (FOOT)
4	4-1	657.92	647.94	647.60	653.61	653.44 (B/STM)	5.50
4	4-2	657.73	647.84	647.51	650.13	650.07 (B/WTR)	2.23
4	4-3	656.28	647.13	646.79	651.93	651.76 (B/STM)	4.63
4	4-4	653.76	645.86	645.53	650.19	650.02 (B/STM)	4.16
4	4-5	652.99	645.49	645.16	648.58	647.77 (B/MH)	2.28
4	4-6	652.30	643.54	643.23	648.68	648.51 (B/STM)	4.97

ILLINOIS ROUTE 43 SANITARY ELEVATIONS STA 505+00 TO STA 518+00

SHEET	CROSSING NUMBER	FINISH GRADE	TOP OF FORCE MAIN	BOTTOM OF FORCE MAIN	INVERT OF STORM/WATER	TOP / BOTTOM OF STORM / WATER MAIN	CLEARANCE (FOOT)
14	14-1	666.07	658.05	657.72	659.78	659.74 (B/WTR)	1.69

PROPOSED SANITARY STRUCTURE TABLE WILLOW ROAD STA 661+00 TO STA 672+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS											
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST				
4	4-1	665+08.08	79.4' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.35	633.69 (EX)	12" PVC					633.69 (EX)	12" PVC				
4	4-2	665+08.65	61.5' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.76	635.54 (EX)	10" PVC					635.54 (EX)	10" PVC			636.49 (EX)	
4	4-3	665+08.85	176.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	653.68	636.08 (EX)	10" PVC					636.08 (EX)	10" PVC			636.63 (EX)	
4	4-4	665+48.56	21.8' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	652.22	636.72 (EX)	10" PVC				636.72 (EX)	10" PVC					
4	4-5	666+60.27	22.5' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	650.88							VERIFY IN FIELD				VERIFY IN FIELD	
4	4-6	666+60.51	17.7' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	651.45	636.12 (EX)	10" VCP				635.32 (EX)	12" VCP			635.82 (EX)	6" PVC	
4	4-7	668+23.30	66.9' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	647.41	637.21 (EX)	6" VCP				637.01 (EX)	6" VCP				633.49 (EX)	
4	4-8	670+06.05	21.8' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	647.98						633.49 (EX)	12" VCP			643.79 (EX)	8" VCP	
4	4-9	671+41.10	24.3' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	646.79						633.27 (EX)	12" VCP				633.27 (EX)	

PROPOSED SANITARY STRUCTURE TABLE WILLOW ROAD STA 672+00 TO STA 683+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS											
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST				
5	5-1	674+12.04	59.3' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	644.66	631.66 (EX)	8" VCP									631.66 (EX)	8" VCP
5	5-2	674+38.21	22.7' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	645.69						632.12 (EX)	10" VCP				632.22 (EX)	10" VCP

PROPOSED SANITARY STRUCTURE TABLE WILLOW ROAD STA 693+00 TO STA 704+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS											
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST				
7	7-1	693+57.50	24.8' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	636.13			623.30	10" PVC								
7	7-2	693+57.50	0.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	636.37					622.10	10" PVC	625.20 (EX)	10" VCP			623.20	10" PVC
7	7-3	696+42.00	21.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.42			624.50 (EX)	12" VCP	621.20	10" PVC					621.25	10" PVC
7	7-4	696+94.00	21.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	633.12					621.00	10" PVC					621.05	10" PVC
7	7-5	696+94.00	65.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.47	621.70	8" PVC					623.60 (EX)	8" VCP				
7	7-6	700+18.00	21.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	631.30					620.00	10" PVC					620.05	10" PVC
7	7-7	700+18.00	60.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.08	621.30	8" PVC					623.20 (EX)	8" VCP				
7	7-8	703+89.00	20.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.56					618.10	10" PVC					618.15	10" PVC
7	7-9	703+89.00	60.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.92	619.40	8" PVC					621.30 (EX)	8" VCP				

PROPOSED SANITARY STRUCTURE TABLE WILLOW ROAD STA 704+00 TO STA 716+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS											
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST				
8	8-1	707+49.00	28.3' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.92							618.25	8" PVC				612.35
8	8-2	707+57.00	52.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.74	617.70	8" PVC					619.60 (EX)	8" VCP				
8	8-3	707+63.00	20.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.53					615.80	15" PVC					616.20	10" PVC
8	8-4	710+51.92	41.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	626.27			611.65 (EX)	12" VCP			611.65 (EX)	12" VCP				
8	8-5	711+12.00	21.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.96					613.30 (EX)	15" VCP					613.35	15" PVC
8	8-6	711+16.00	49.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.31	615.60	8" PVC					616.10 (EX)	8" VCP				
8	8-7	713+50.12	20.6' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.23					612.31 (EX)	15" VCP					612.76 (EX)	12" VCP

PROPOSED SANITARY STRUCTURE TABLE WILLOW ROAD STA 716+00 TO STA 728+00

SHEET	STRUCTURE NUMBER	STATION	OFFSET	TYPE	FRAME & GRATE	RIM ELEVATION	INVERT ELEVATIONS											
							NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST				
9	9-1	716+12.65	20.7' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.24	614.66 (EX)	8" VCP			611.56 (EX)	15" VCP					611.56 (EX)	15" VCP
9	9-2	716+11.31	46.9' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	632.16	613.71 (EX)	10" VCP			618.41 (EX)	8" VCP					618.81 (EX)	8" VCP
9	9-3	717+42.15	47.9' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.45							623.93 (EX)	8" VCP	621.83 (EX)	8" VCP	621.73 (EX)	10" VCP
9	9-4	717+97.92	21.9' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	630.25	616.05 (EX)	6" VCP			611.05 (EX)	15" VCP					611.05 (EX)	15" VCP
9	9-5	718+54.50	43.8' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.77			VERIFY IN FIELD		612.49 (EX)	18" VCP					611.09 (EX)	15" VCP
9	9-6	718+98.03	55.7' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.08	611.50	8" PVC					610.90	8" PVC			613.37 (EX)	8" VCP
9	9-7	720+82.06	42.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.56					610.62 (EX)	18" VCP					610.62 (EX)	18" VCP
9	9-8	721+23.67	12.1' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	629.58					VERIFY IN FIELD						620.50 (EX)	21" VCP
9	9-9	723+19.82	33.2' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.36					VERIFY IN FIELD						620.06 (EX)	21" VCP
9	9-10	723+56.78	35.0' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.19					619.87 (EX)	21" VCP					619.87 (EX)	21" VCP
9	9-11	723+19.76	34.0' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.79					VERIFY IN FIELD						VERIFY IN FIELD	
9	9-12	723+56.92	34.8' LT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.88	611.48 (EX)	15" VCP			610.78 (EX)	21" VCP					610.78 (EX)	18" VCP
9	9-13	726+02.07	37.2' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	627.79	621.59 (EX)	8" VCP					621.59 (EX)	8" VCP	621.84 (EX)	8" VCP		
9	9-14	726+71.80	24.5' RT	MAN SAN, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	628.13					619.65 (EX)	21" VCP					619.65 (EX)	21" VCP

PROPOSED SANITARY PIPE TABLE WILLOW ROAD STA 693+00 TO STA 704+00

SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO						
7	7-1	7-1	7-2	SANITARY SEWERS	PVC (D3034) SDR-26	10	24.6	0.40%	32.9
7	7-2	7-2	7-3	SANITARY SEWERS	PVC (D3034) SDR-26	10	281.8	0.30%	466.9
7	7-3	7-3	7-4	SANITARY SEWERS	PVC (D3034) SDR-26	10	52	0.30%	75.7
7	7-4	7-5	7-4	SANITARY SEWERS	DIP (ANSIA21.51)	8	86	0.60%	112.8
7	7-5	7-4	7-6	SANITARY SEWERS	PVC (D3034) SDR-26	10	324	0.30%	465.0
7	7-6	7-7	7-6	SANITARY SEWERS	DIP (ANSIA21.51)	8	81	1.30%	89.8
7	7-7	7-6	7-8	SANITARY SEWERS	PVC (D3034) SDR-26	10	371	0.50%	542.5
7	7-8	7-9	7-8	SANITARY SEWERS	PVC (D3034) SDR-26	8	80	1.40%	99.5
7	7-9	7-8	8-3	SANITARY SEWERS	PVC (D3034) SDR-26	10	374	0.50%	606.2

PROPOSED SANITARY PIPE TABLE WILLOW ROAD STA 704+00 TO STA 716+00

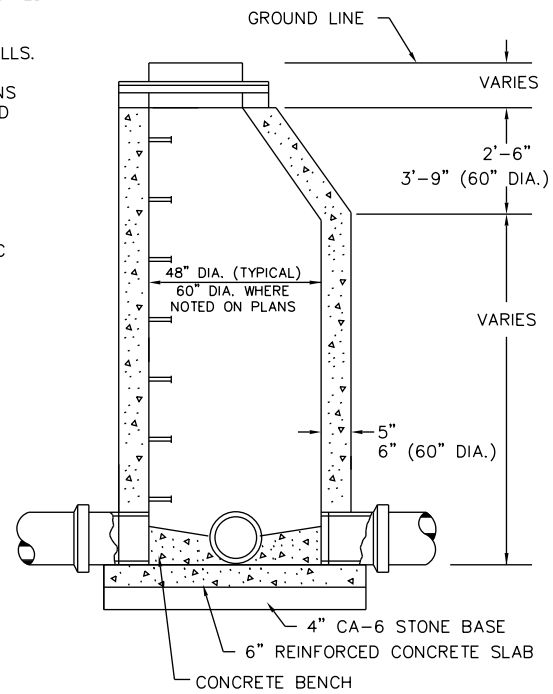
SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO						
8	8-1	8-1	EX MH	SANITARY SEWERS	PVC (D3034) SDR-26	8	8.3	1.00%	
8	8-2	8-3	8-1	SANITARY SEWERS	PVC (D3034) SDR-26	8	16.3	1.20%	19.3
8	8-3	8-2	8-3	SANITARY SEWERS	PVC (D3034) SDR-26	8	72.3	1.90%	97.4
8	8-4	8-3	8-5	SANITARY SEWERS	PVC (D3034) SDR-26	15	349.0	0.70%	750.1
8	8-5	8-6	8-5	SANITARY SEWERS	PVC (D3034) SDR-26	8	70.1	2.60%	122.2

PROPOSED SANITARY PIPE TABLE WILLOW ROAD STA 716+00 TO STA 728+00

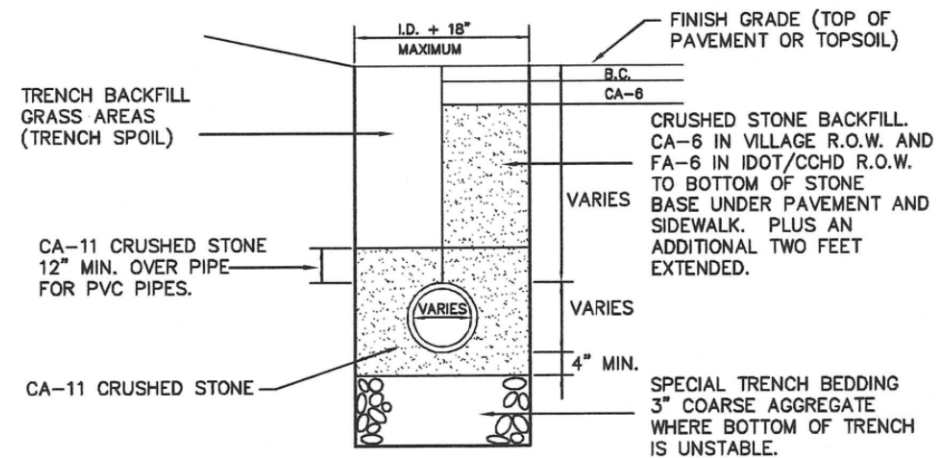
SHEET	PIPE NUMBER	STRUCTURE		DESCRIPTION	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CY)
		FROM	TO						
9	9-1	9-7	9-6	SANITARY SEWERS	PVC (D3034) SDR-26	8	108.6	0.60%	250.2

NOTES:

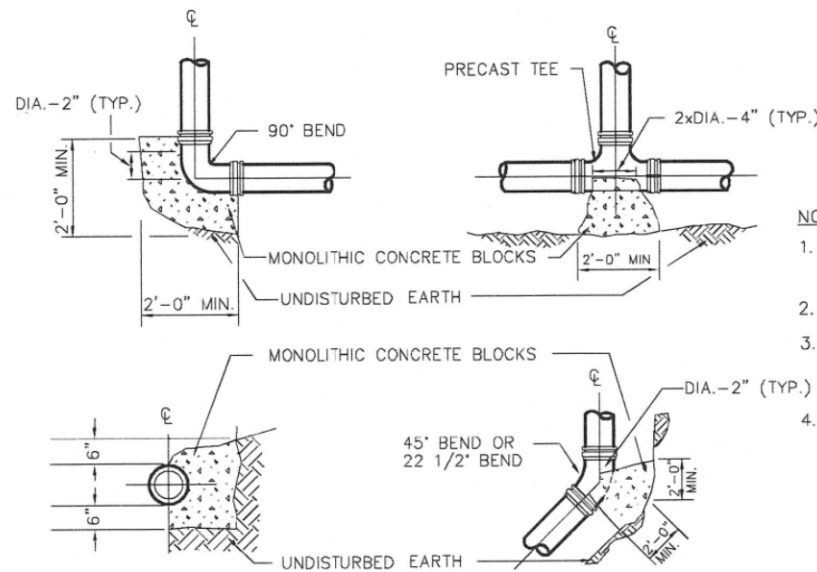
1. EXTERIOR NEOPRENE CHIMNEY SEAL REQUIRED ON ALL SANITARY MANHOLE RIMS.
2. PIPE OPENINGS TO BE PRECAST INTO WALLS.
3. PRECAST REINFORCED CONCRETE SECTIONS WITH PREFORMED BITUMINOUS JOINTS AND INTEGRAL PRECAST BOTTOMS.
4. FRAME TO BE LAID IN 3/4" MASTIC BED.
5. ADJUSTING RINGS NOT TO EXCEED 8".
6. STEPS TO BE STEEL REINFORCED PLASTIC OR APPROVED EQUAL.
7. STEPS TO BE IMBEDDED INTO WALL A MINIMUM OF 3".
8. STEPS TO BE AT 16" CENTERS. FIRST STEP TO BE 8" BELOW FRAME.
9. CAST IN RESILIENT WATERTIGHT SLEEVE CLAMPED WITH A STAINLESS BAND FOR ALL SANITARY MANHOLES.
10. INVERT TO BE FORMED WITH HALF-PIPE POUR PCC BENCH TO TROUGH.
11. PCC BENCH SHALL EXTEND TO CROWN AND SLOPE 3" TO OUTSIDE WALL-SMOOTH FINISH.
12. FRAME TO BE NEENAH R-1772-C LID TO BE SELF-SEALING WITH "SANITARY" IMPRINTED ON COVER AND BLIND PICK HOLE.



SANITARY MANHOLE



SANITARY TRENCH



SECTIONAL VIEW

NOTES:

1. BLOCKING SHALL BE APPLIED FOR ALL TEES, PLUGS, CAPS, & 22 1/2° OR MORE BENDS.
2. THRUST BLOCKS TO BE CLASS "X" CONCRETE.
3. BEARING AREAS OF UNDISTURBED EARTH SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2000 P.S.F.
4. BEARING AREA OF SOIL BASED ON 65 P.S.I. WATERMAIN PRESSURE.

RESTRAINED TYPE OF FITTING	RESTRAINED METHOD	RESTRAINED LENGTH - EACH WAY			
		8"	10"	12"	24"
DEAD END/TEE		17'-0"	21'-0"	25'-0"	45'-0"
90° BEND		13'-0"	16'-0"	19'-0"	35'-0"
45° BEND		6'-0"	7'-0"	8'-0"	15'-0"
22 1/2° BEND		3'-0"	4'-0"	4'-0"	7'-0"
11 1/4° BEND		2'-0"	2'-0"	2'-0"	4'-0"
VERTICAL OFFSET UPPER/LOWER		9/4	11/5	20/6	35/10
FIRE HYDRANT		ALL JOINTS RESTRAINED FROM MAIN TO MJ SHOE			

NOTES:

JOINT RESTRAINT FOR FITTINGS/CONFIGURATIONS NOT SHOWN SHALL BE PER MANUFACTURER'S RECOMEDATIONS. ALL BENDS, TEES, ELBOWS, REDUCERS, ETC. SHALL BE MJ WITH RETAINING GLANDS AND USING MEGALUG SERIES 1100 RESTRAINT SYSTEM AS MANUFACTURED BY EBAA IRON.

THRUST BLOCKING AND RESTRAINED LENGTH TABLE

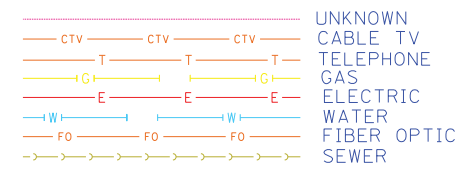
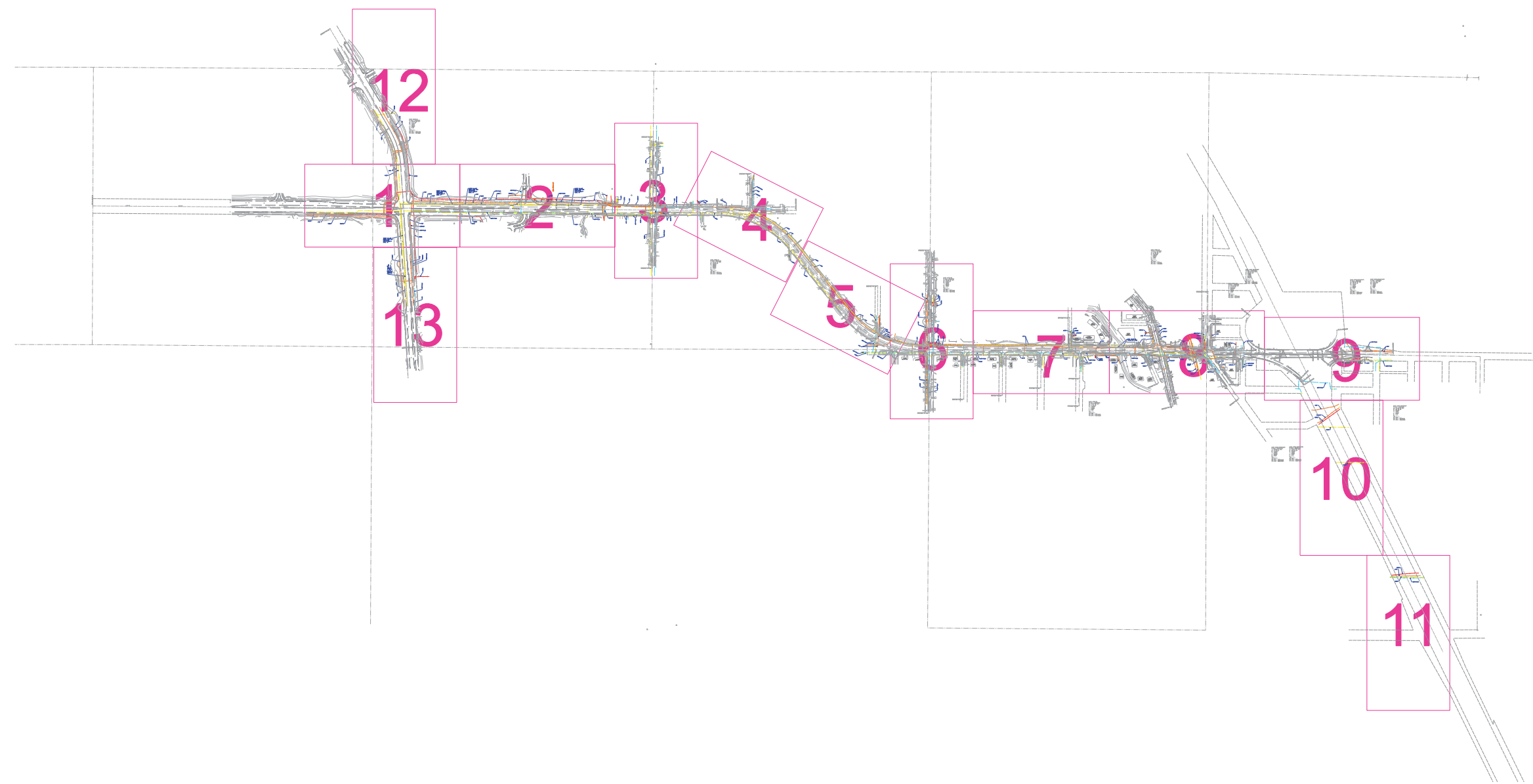
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PLOT DATE = 11/11/2012	DATE = 10/31/2012	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SANITARY SEWER DETAILS

SCALE: N.T.S. SHEET NO. 246 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4B)R	COOK	919	246
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



UTILITY OWNERS	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
COMCAST = CABLE TV	
COMCAST = FIBER OPTIC	
COMED = ELECTRIC	
SPRINT = FIBER OPTIC	
NORTHFIELD = WATER	
OWEST = FIBER OPTIC	
EXCELON-COMED = FIBER OPTIC	
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510464, 465
SUE Plan Page: Cover

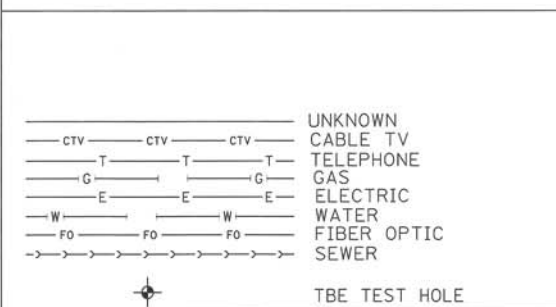
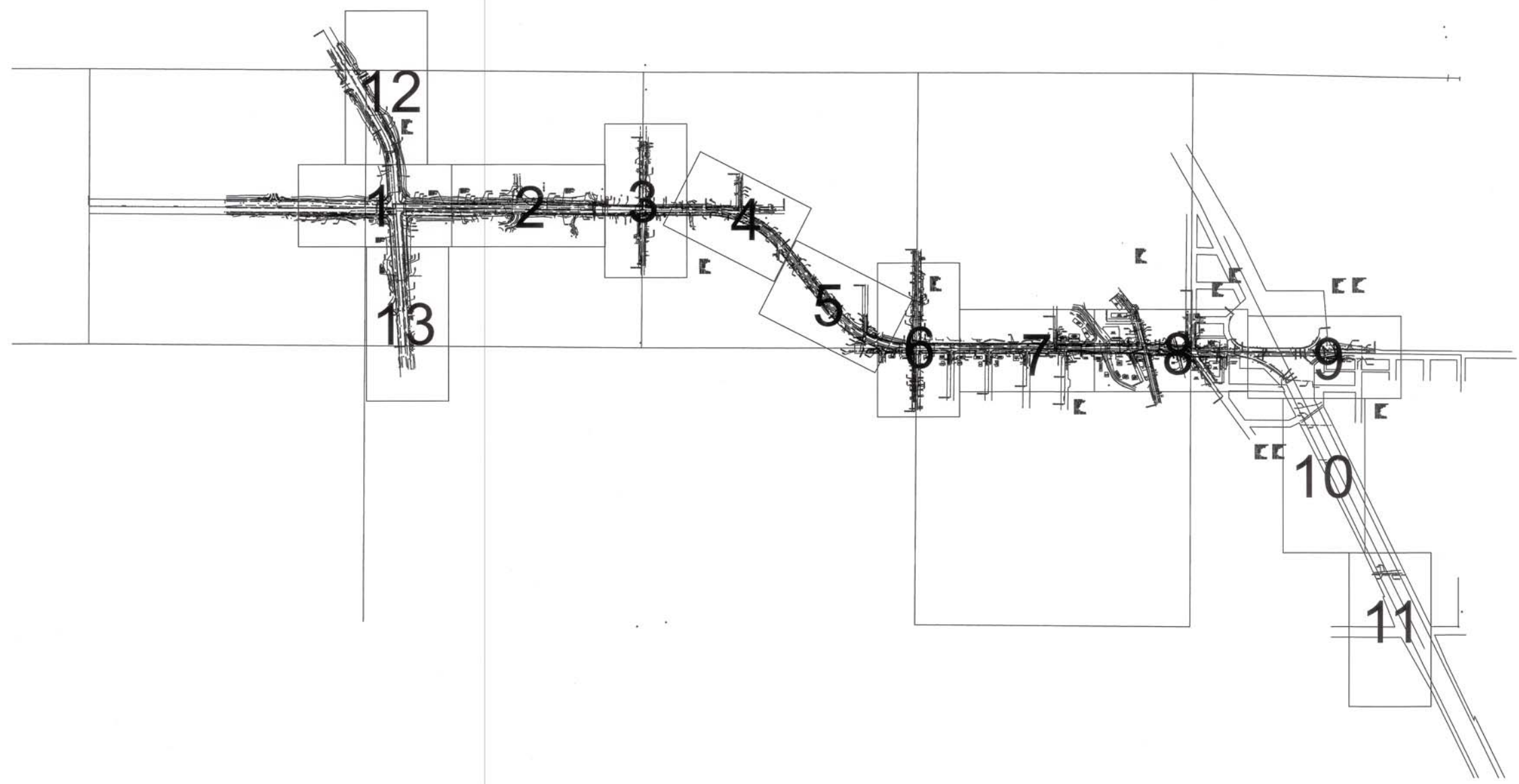
Utility Quality Level "A" : visually verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/27/12	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Willow Road along I-94
Northfield, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



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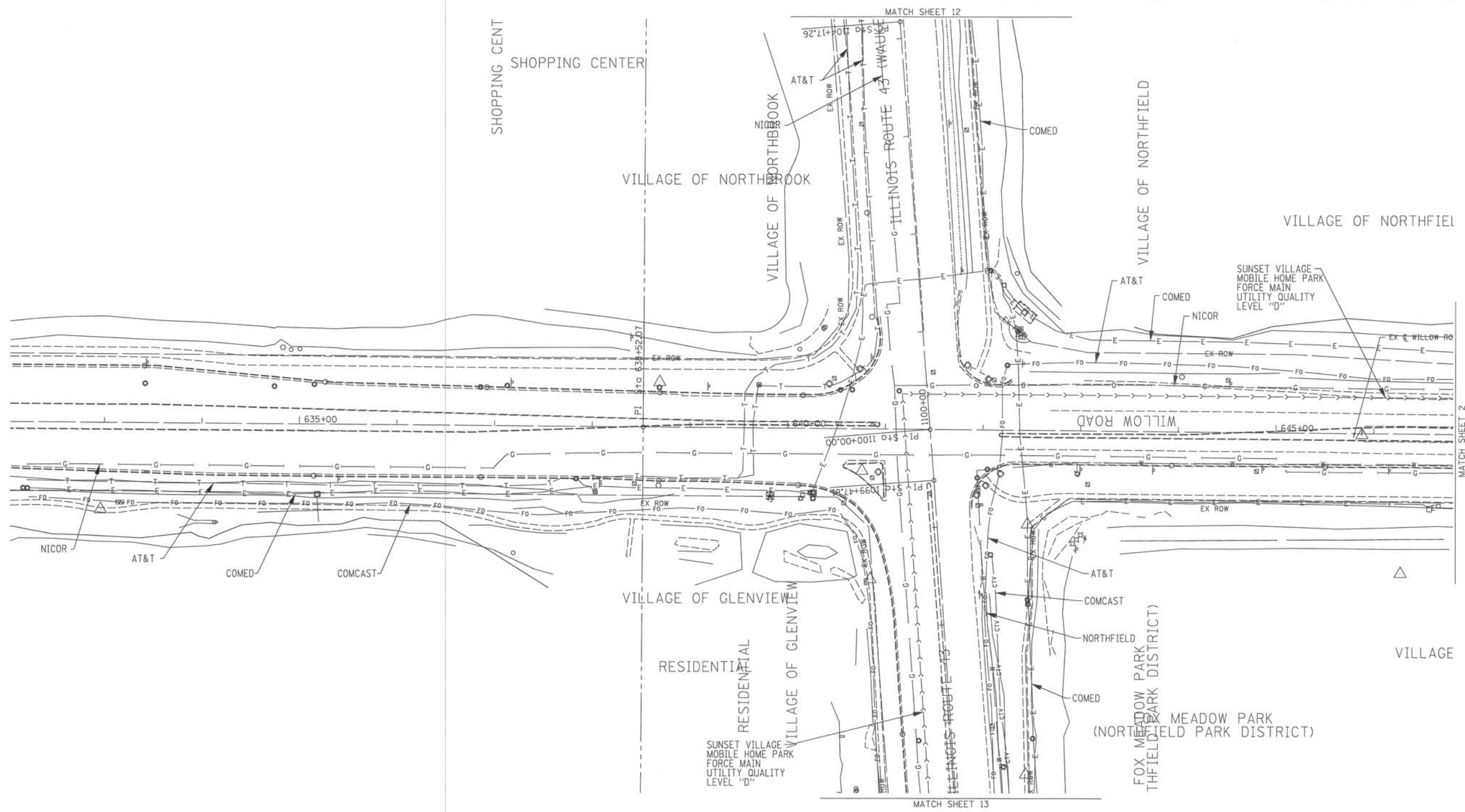
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DATE 3/27/12	REVISED

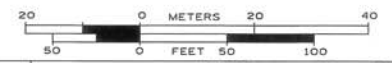
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



<p>UNKNOWN CABLE TV TELEPHONE GAS ELECTRIC WATER FIBER OPTIC SEWER</p> <p>CTV CTV T T G G E E W W FO FO - - - - - TBE TEST HOLE</p>	<p>UTILITY OWNERS</p> <p>AT&T = TELEPHONE AT&T = FIBER OPTIC NICOR = GAS COMCAST = CABLE TV COMCAST = FIBER OPTIC COMED = ELECTRIC SPRINT = FIBER OPTIC NORTHFIELD = WATER OWEST = FIBER OPTIC EXCELON-COMED = FIBER OPTIC SUNSET VILLAGE MOBILE HOMES - FORCE MAIN</p>	<p>Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's DL "B" SUE field investigation was performed 1/16/12 through 2/18/12. Changes to utilities after 2/18/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.</p>	<p>ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.</p>		<p>CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING</p>																															
<p>Utility Quality Level "A" : visually verified Test Hole Utility Quality Level "B" : Designating/non Visually Verified Test Hole Utility Quality Level "C" : Research with Survey Utility Quality Level "D" : Records Research</p>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>DESIGNED</td> <td>LP</td> <td>REVISED</td> <td></td> </tr> <tr> <td>DRAWN</td> <td>KLC</td> <td>REVISED</td> <td></td> </tr> <tr> <td>CHECKED</td> <td>KFS</td> <td>REVISED</td> <td></td> </tr> <tr> <td>DATE</td> <td>3/27/12</td> <td>REVISED</td> <td></td> </tr> </table>	DESIGNED	LP	REVISED		DRAWN	KLC	REVISED		CHECKED	KFS	REVISED		DATE	3/27/12	REVISED		<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>Willow Road along I-94 Northfield, Illinois</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>F.A. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td></td> <td>N/A</td> <td>Cook</td> <td></td> <td></td> </tr> <tr> <td colspan="2">FED. ROAD DIST. NO.</td> <td colspan="3">ILLINOIS DOT Project No.</td> </tr> </table>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		N/A	Cook			FED. ROAD DIST. NO.		ILLINOIS DOT Project No.		
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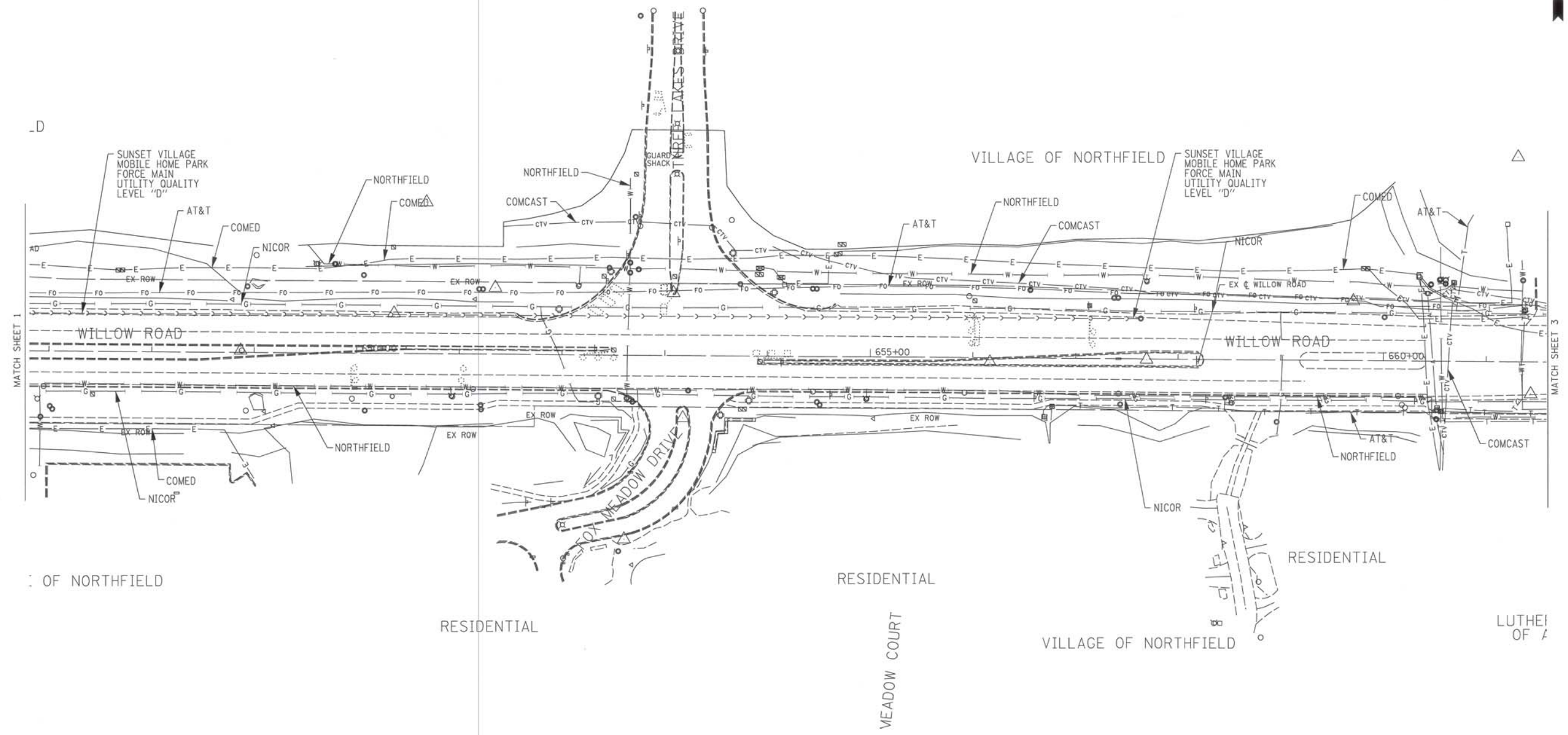


TBE Job No. IL09510464, 465
SUE Plan Page: 1 of 13

KRAFT FOODS



.D



OF NORTHFIELD

RESIDENTIAL

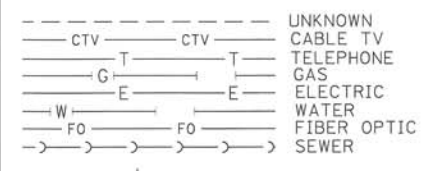
RESIDENTIAL

MEADOW COURT

VILLAGE OF NORTHFIELD

RESIDENTIAL

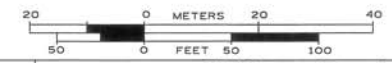
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UTILITY OWNERS	
AT&T = TELEPHONE	
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TBE Job No. IL09510464_465
SUE Plan Pages: 2 of 13

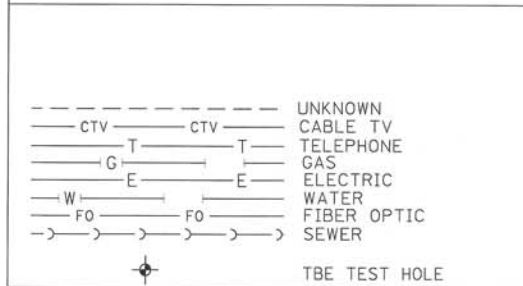
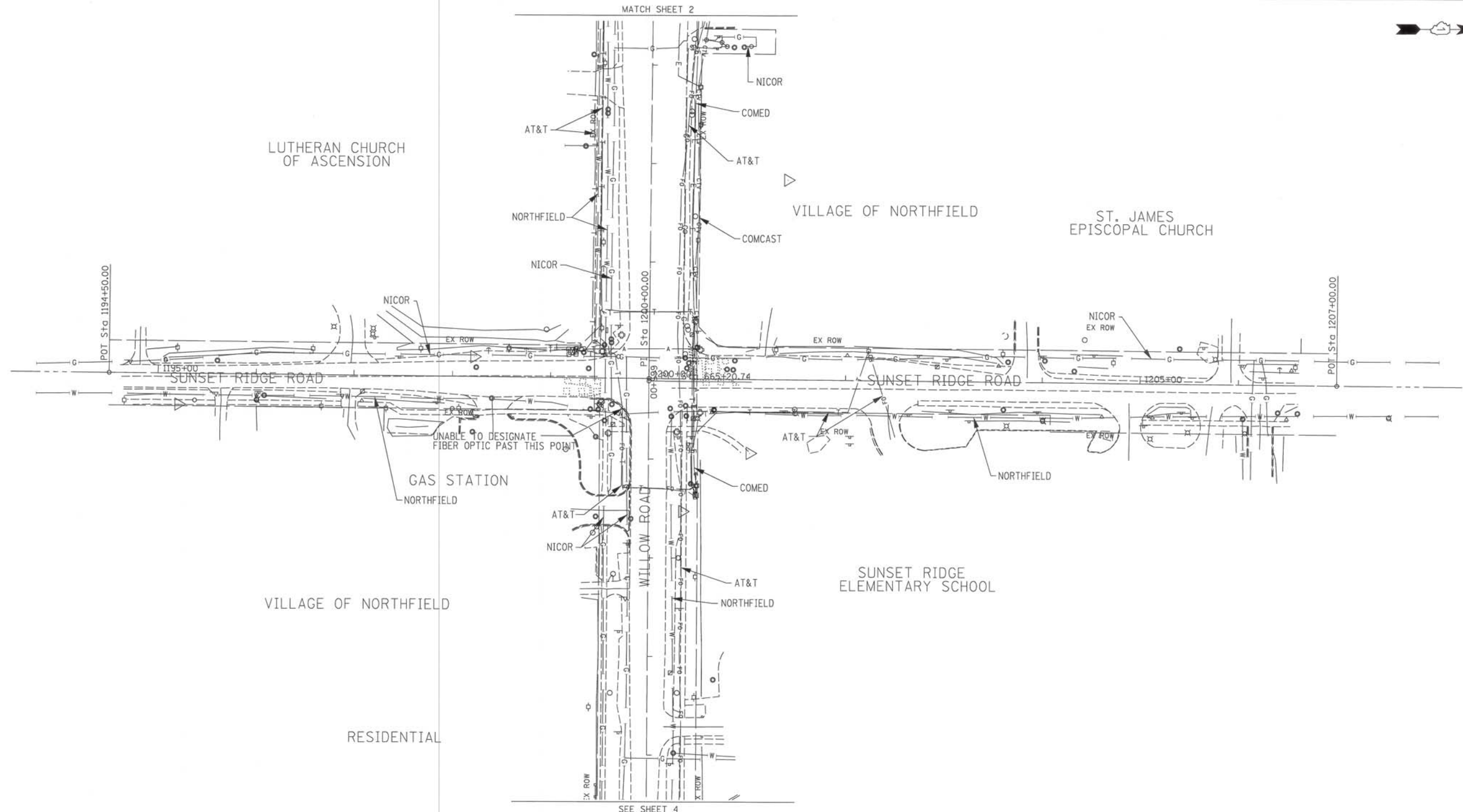
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DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/27/12	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



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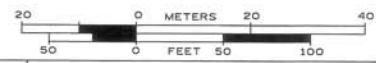


TBE Job No. IL09510464, 465
 SUE Plan Page: 3 of 13

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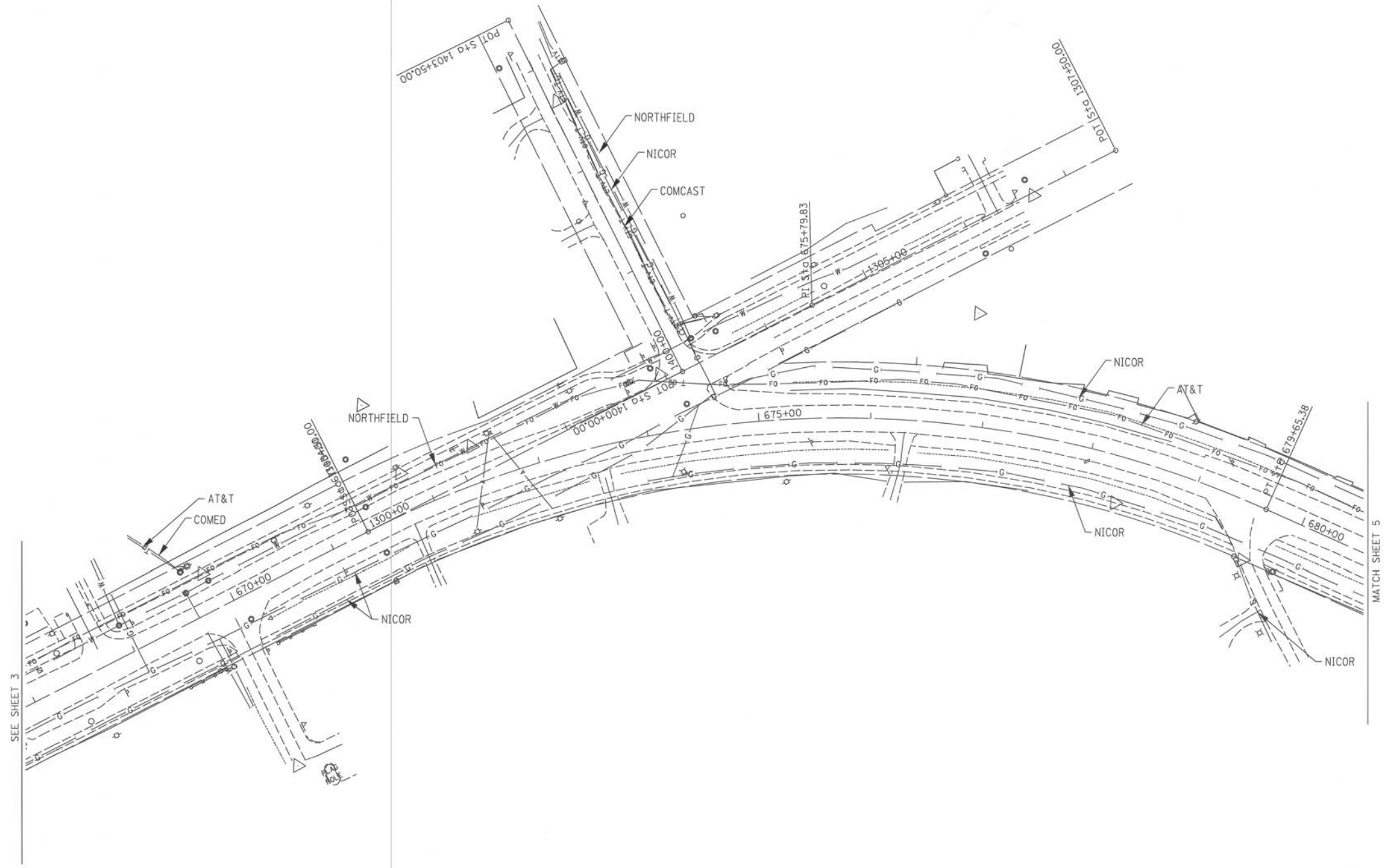
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CHECKED	KFS	REVISED
DATE	3/27/12	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



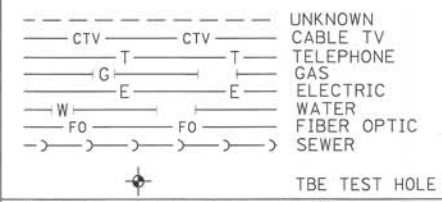
**Willow Road along I-94
 Northfield, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
FED. ROAD DIST. NO.		ILLINOIS IDOT Project No.		



SEE SHEET 3

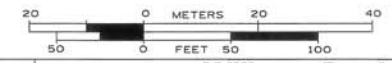
MATCH SHEET 5



UTILITY OWNERS		
AT&T = TELEPHONE		
AT&T = FIBER OPTIC		
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SUE Plan Pages: 4 of 13

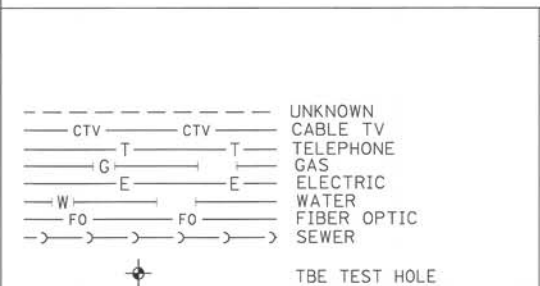
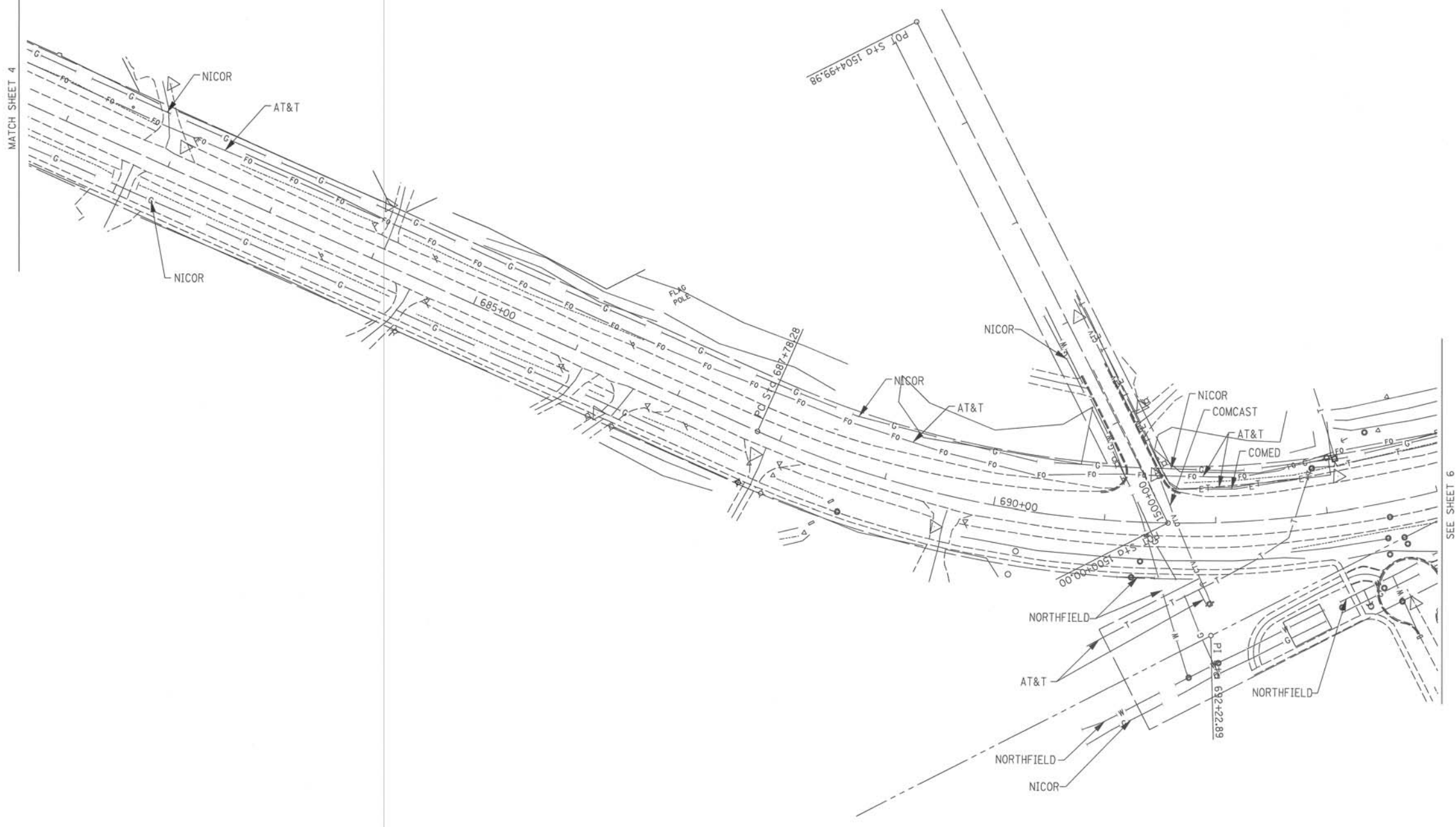
Utility Quality Level "A": visually verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	3/27/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

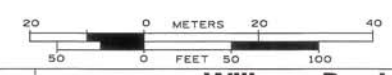
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



UTILITY OWNERS	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
COMCAST = CABLE TV	
COMCAST = FIBER OPTIC	
COMED = ELECTRIC	
SPRINT = FIBER OPTIC	
NORTHFIELD = WATER	
QWEST = FIBER OPTIC	
EXCELON-COMED = FIBER OPTIC	
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN	

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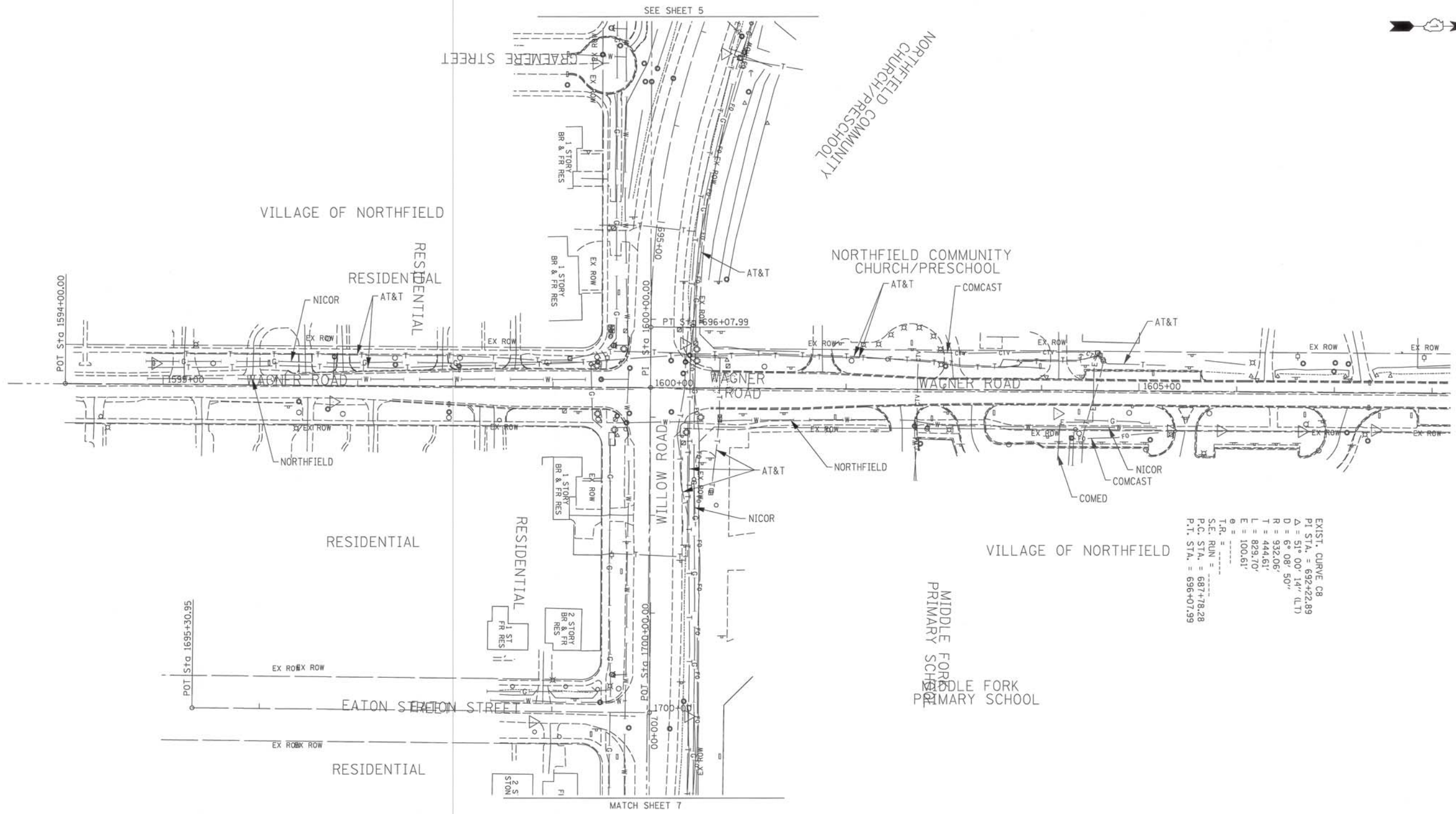
TBE Job No. IL09510464_465
SUE Plan Page: 5 of 13

Utility Quality Level "A" : visually verified Test Hole	DESIGNED <i>LP</i>	REVISED
Utility Quality Level "B" : Designating/non Visually Verified Test Hole	DRAWN <i>KLC</i>	REVISED
Utility Quality Level "C" : Research with Survey	CHECKED <i>KFS</i>	REVISED
Utility Quality Level "D" : Records Research	DATE <i>3/27/12</i>	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



EXIST. CURVE C8
 P.I. STA. = 692+22.89
 $\Delta = 51^{\circ} 00' 14''$ (LT)
 $D = 6^{\circ} 08' 50''$
 $R = 932.06'$
 $T = 444.61'$
 $L = 829.70'$
 $E = 100.61'$
 $I.R. =$
 $S.E. RUN =$
 P.C. STA. = 687+78.28
 P.T. STA. = 696+07.99

	UNKNOWN CABLE TV TELEPHONE GAS ELECTRIC WATER FIBER OPTIC SEWER TBE TEST HOLE
Utility Quality Level "A" : visually verified Test Hole Utility Quality Level "B" : Designating/non Visually Verified Test Hole Utility Quality Level "C" : Research with Survey Utility Quality Level "D" : Records Research	

UTILITY OWNERS	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
COMCAST = CABLE TV	
COMCAST = FIBER OPTIC	
COMED = ELECTRIC	
SPRINT = FIBER OPTIC	
NORTHFIELD = WATER	
QWEST = FIBER OPTIC	
EXCELON-COMED = FIBER OPTIC	
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN	

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CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

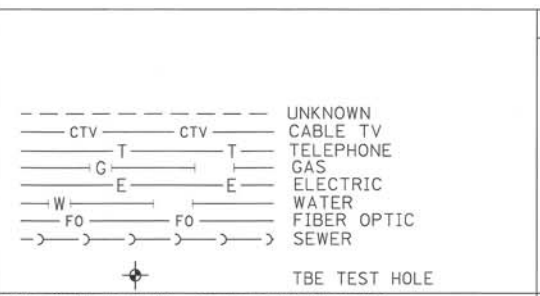
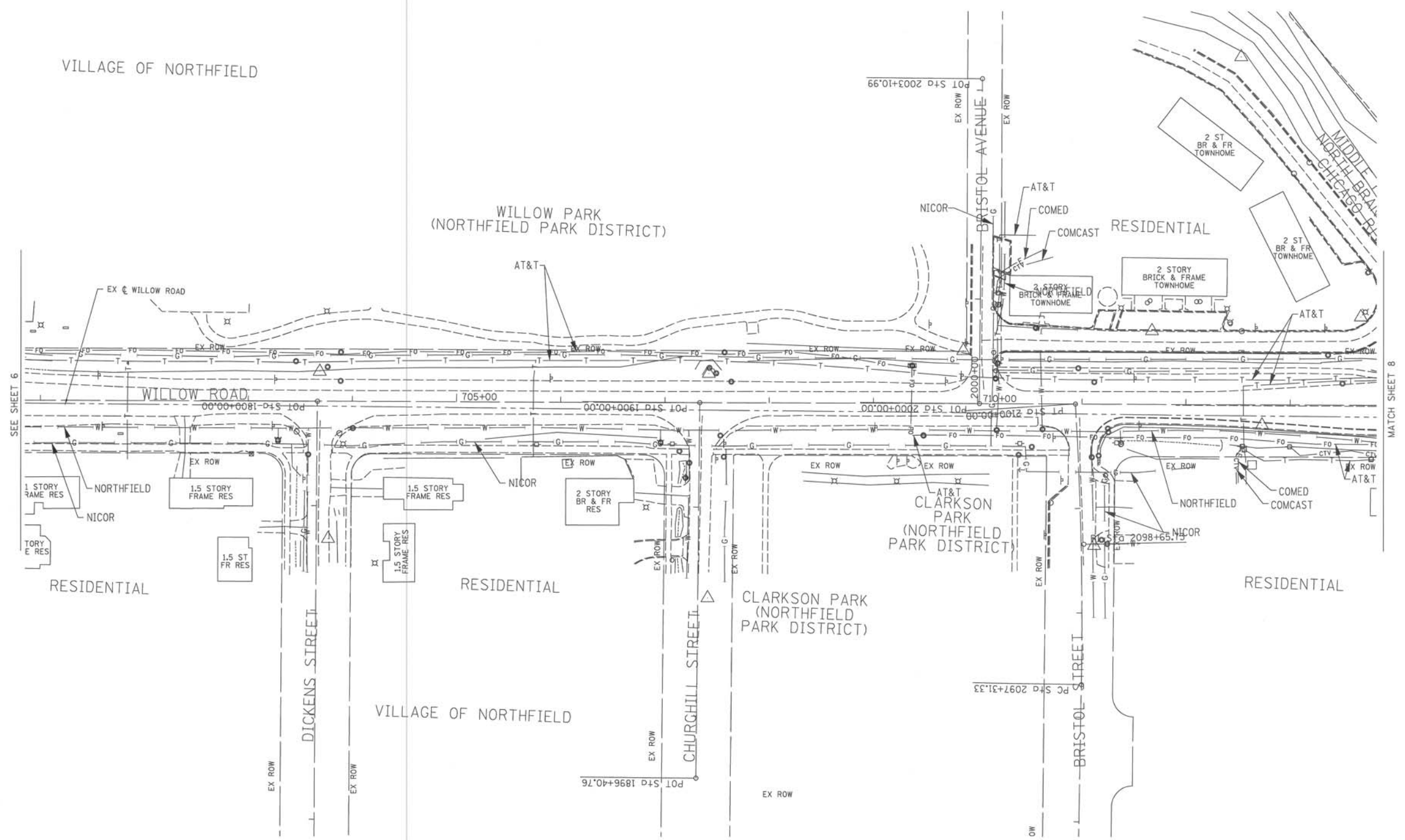
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

TBE Job No. IL09510464_465
 SUE Plan Page: 6 of 13

DESIGNED LP	REVISED
DRAWN KLC	REVISED
CHECKED KFS	REVISED
DATE 3/27/12	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

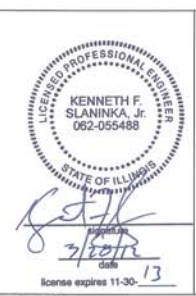
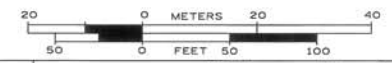
Willow Road along I-94
 Northfield, Illinois



UTILITY OWNERS	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
COMCAST = CABLE TV	
COMCAST = FIBER OPTIC	
COMED = ELECTRIC	
SPRINT = FIBER OPTIC	
NORTHFIELD = WATER	
QWEST = FIBER OPTIC	
EXCELON-COMED = FIBER OPTIC	
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN	

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TBE Job No. IL09510464, 465
SUE Plan Page: 7 of 13

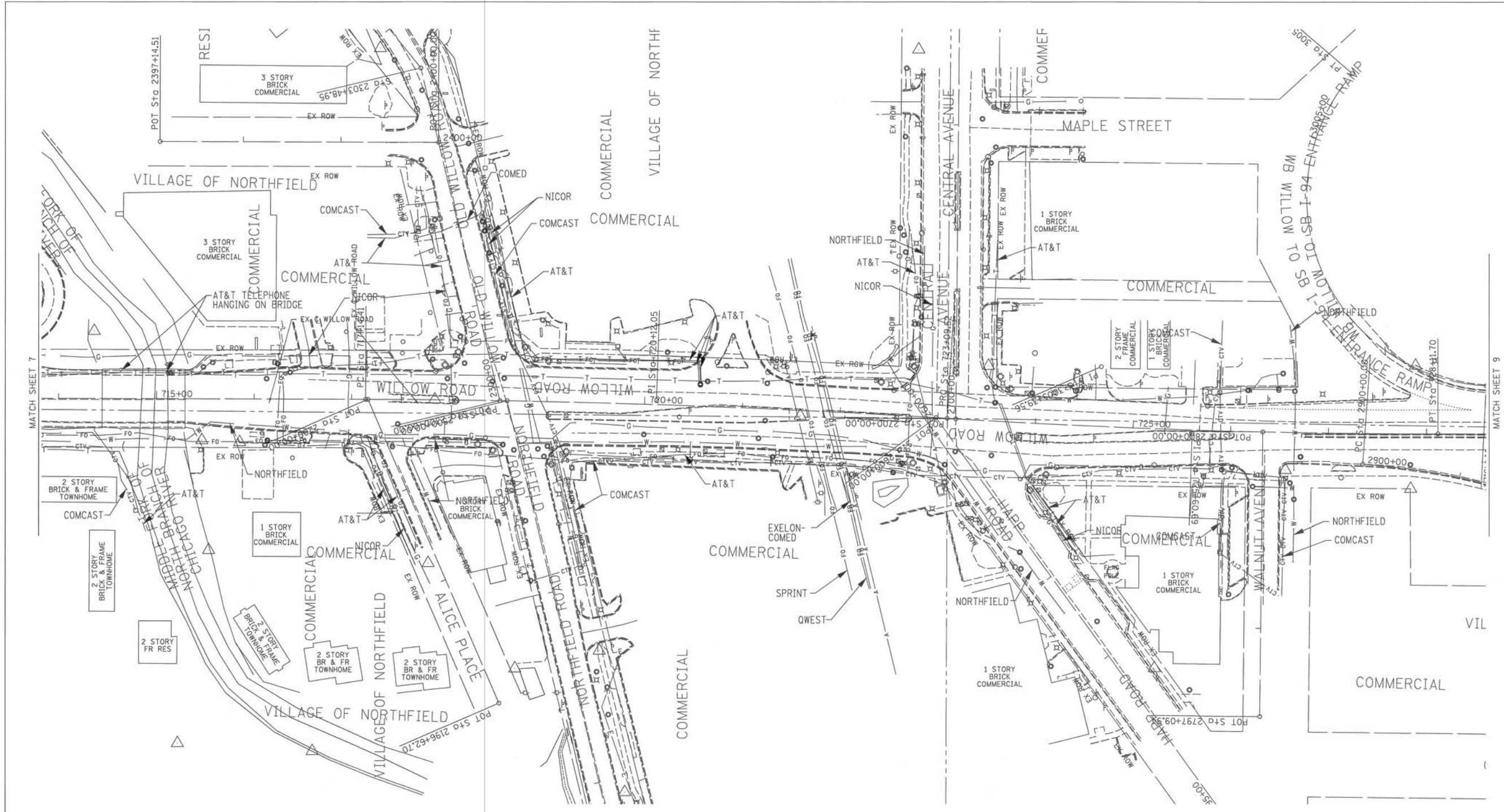
Utility Quality Level "A" : visually verified Test Hole
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Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN KLC	REVISED
CHECKED KFS	REVISED
DATE 3/27/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS DOT Project No.				



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 SUNSET VILLAGE MOBILE HOMES - FORCE MAIN

UNKNOWN
 CABLE TV
 TELEPHONE
 GAS
 ELECTRIC
 WATER
 FIBER OPTIC
 SEWER

CTV
 T
 G
 E
 W
 FO
 S

TBE TEST HOLE

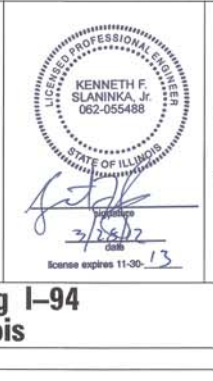
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DRAWN	KLC	REVISED	
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20 0 20 40
 50 0 50 100
 METERS
 FEET



Cardno TBE
 CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL
 * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510464, 465
 SUE Plan Page: 8 of 13

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				

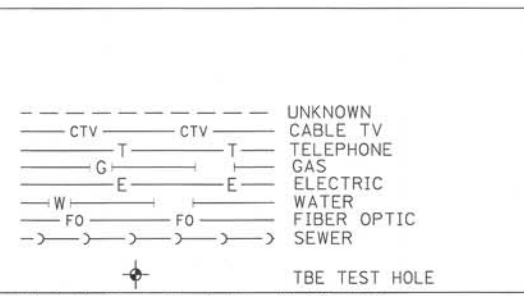
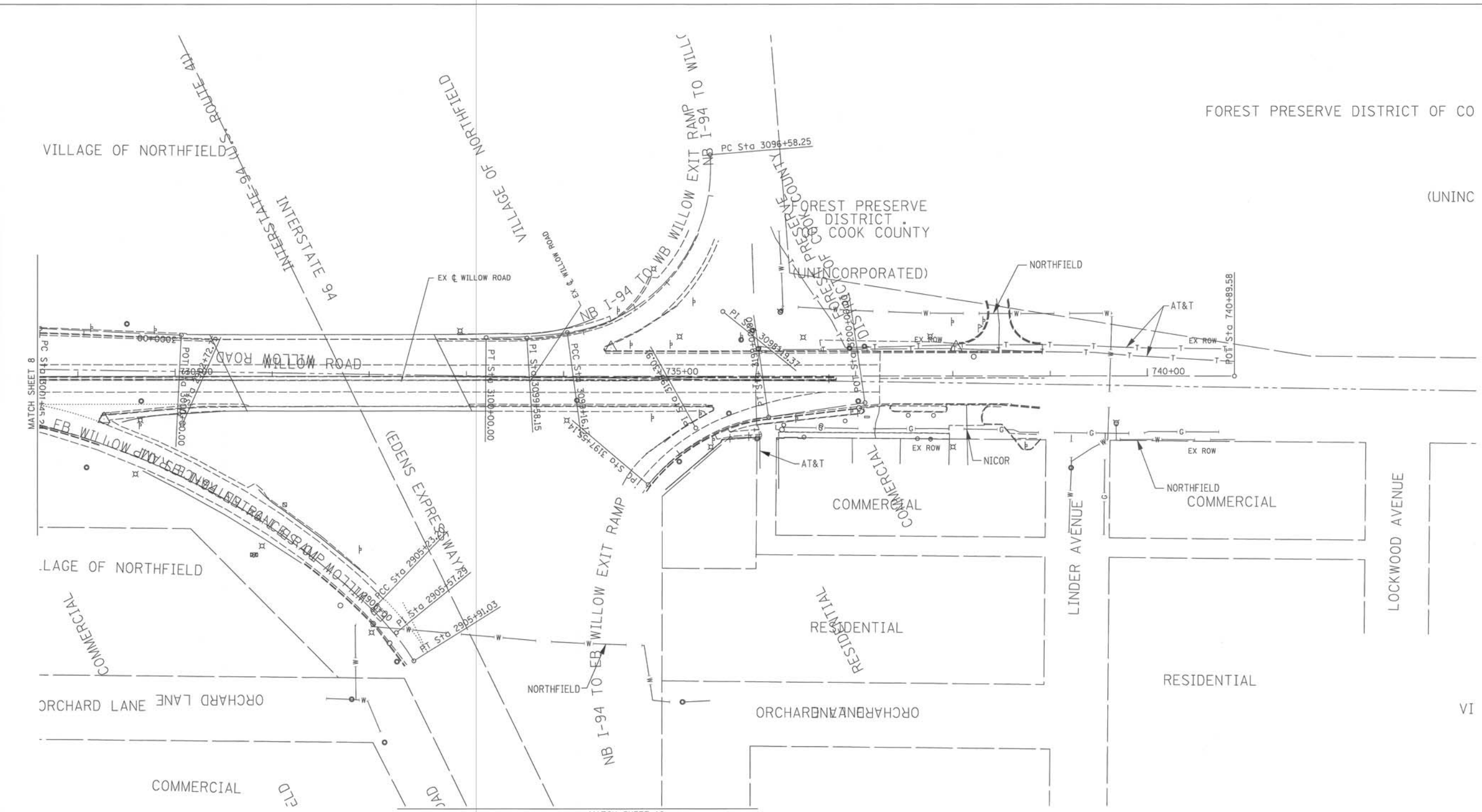
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
 Northfield, Illinois



FOREST PRESERVE DISTRICT OF CO

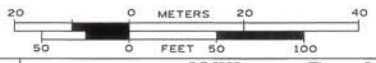
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UTILITY OWNERS		
AT&T = TELEPHONE		
AT&T = FIBER OPTIC		
NICOR = GAS		
COMCAST = CABLE TV		
COMCAST = FIBER OPTIC		
COMED = ELECTRIC		
SPRINT = FIBER OPTIC		
NORTHFIELD = WATER		
QWEST = FIBER OPTIC		
EXCELON-COMED = FIBER OPTIC		
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN		

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TBE Job No. IL09510464_465
SUE Plan Pages: 9 of 13

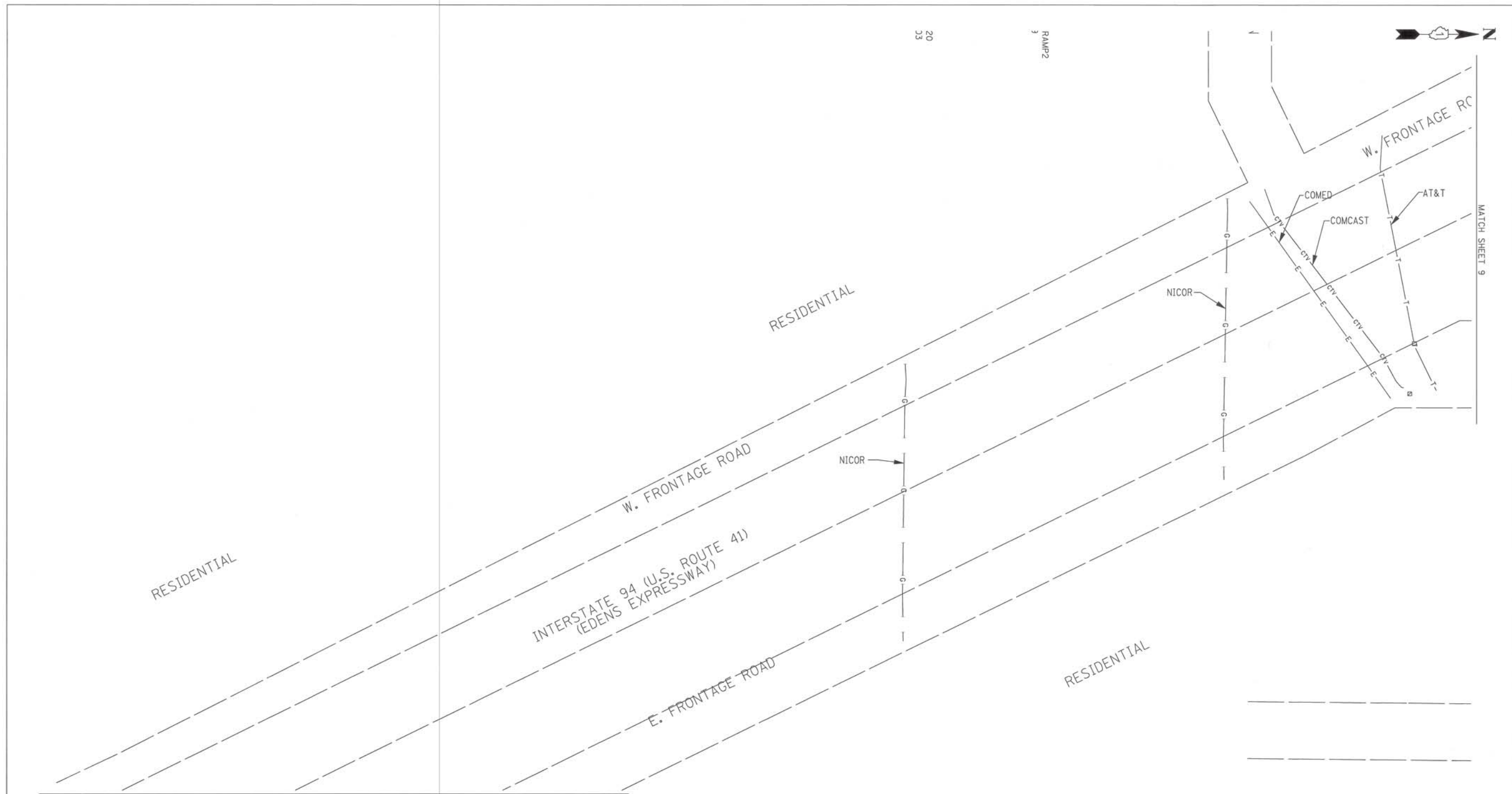
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DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
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DATE	3/27/12	REVISED

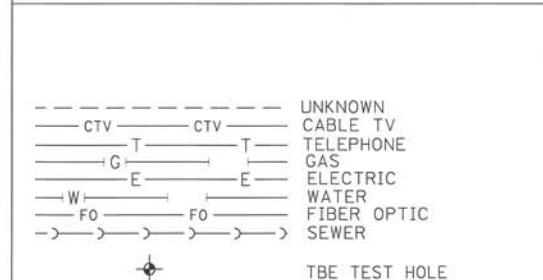
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



SEE SHEET 11



UTILITY OWNERS	
AT&T = TELEPHONE	
AT&T = FIBER OPTIC	
NICOR = GAS	
COMCAST = CABLE TV	
COMCAST = FIBER OPTIC	
COMED = ELECTRIC	
SPRINT = FIBER OPTIC	
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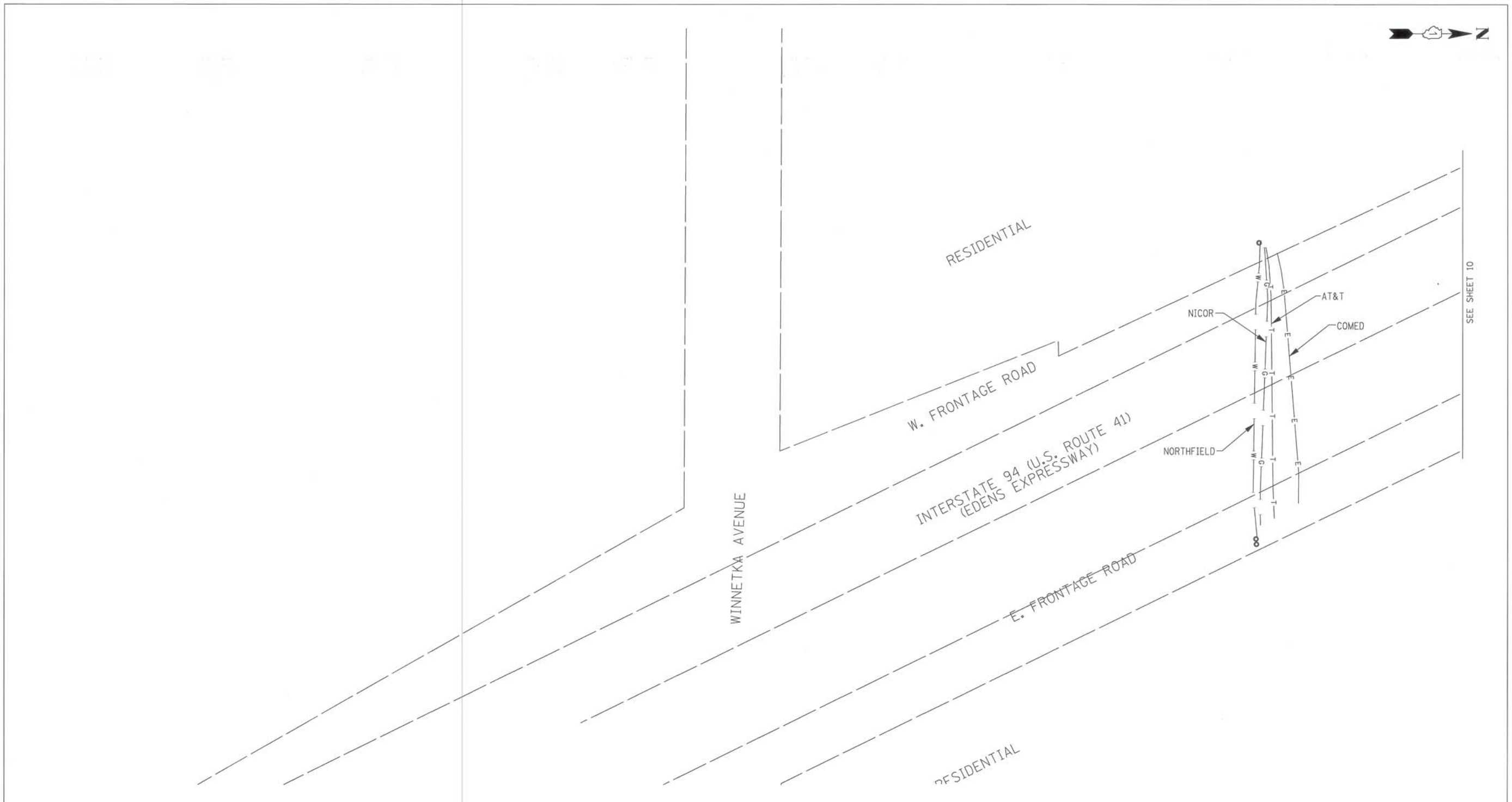
TBE Job No. IL09510464, 465
SUE Plan Pages: 10 of 13

Utility Quality Level "A" : visually verified Test Hole	DESIGNED <i>LP</i>	REVISED
Utility Quality Level "B" : Designating/non Visually Verified Test Hole	DRAWN <i>KLC</i>	REVISED
Utility Quality Level "C" : Research with Survey	CHECKED <i>KFS</i>	REVISED
Utility Quality Level "D" : Records Research	DATE <i>3/27/12</i>	REVISED

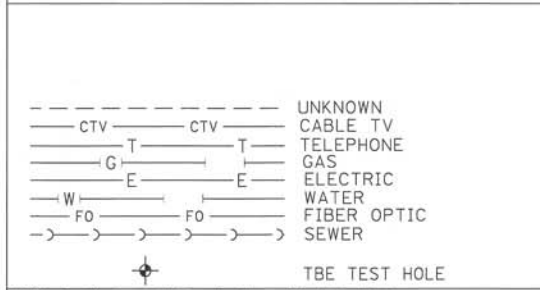
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
DESIGNED <i>LP</i>	REVISED
DRAWN <i>KLC</i>	REVISED
CHECKED <i>KFS</i>	REVISED
DATE <i>3/27/12</i>	REVISED

**Willow Road along I-94
Northfield, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



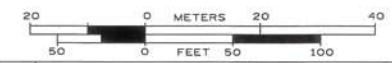
SEE SHEET 10



UTILITY OWNERS	
AT&T = TELEPHONE	AT&T = FIBER OPTIC
NICOR = GAS	COMCAST = CABLE TV
COMCAST = FIBER OPTIC	COMED = ELECTRIC
SPRINT = FIBER OPTIC	NORTHFIELD = WATER
QWEST = FIBER OPTIC	EXCELON-COMED = FIBER OPTIC
SUNSET VILLAGE MOBILE HOMES - FORCE MAIN	

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TBE Job No. IL09510464, 465
SUE Plan Page: 11 of 13

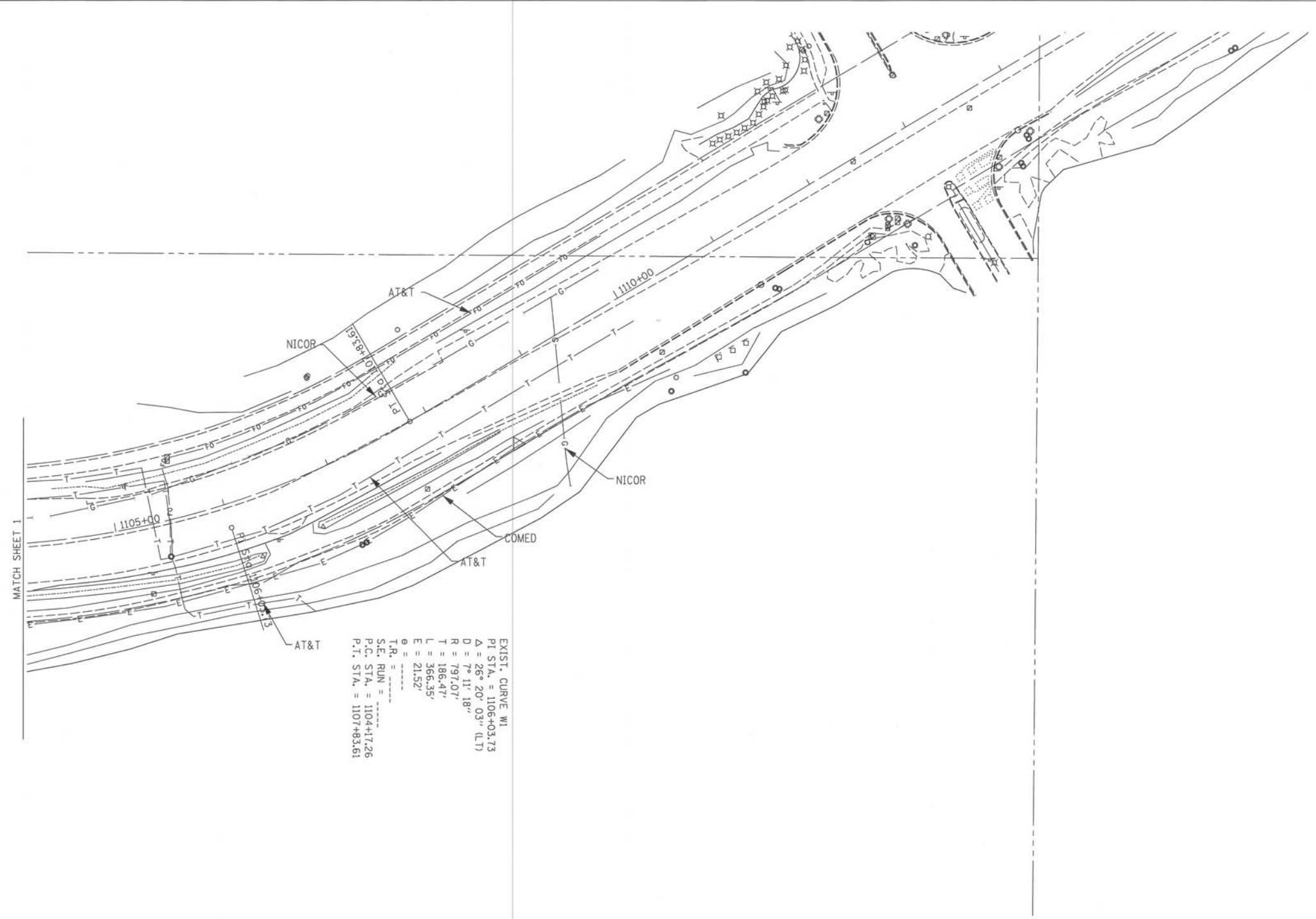
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DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	3/27/12	REVISED

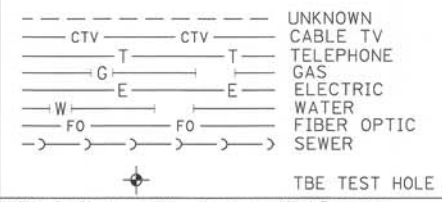
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
Contract No. N/A				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



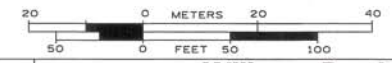
EXIST. CURVE W/L
 P.I. STA. = 1106+03.73
 $\Delta = 26^{\circ} 20' 03''$ (LT)
 $D = 7^{\circ} 11' 18''$
 $R = 797.07'$
 $T = 186.47'$
 $L = 366.35'$
 $E = 21.52'$
 I.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1104+17.26
 P.T. STA. = 1107+83.61



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TBE Job No. IL09510464_465
 SUE Plan Page: 12 of 13

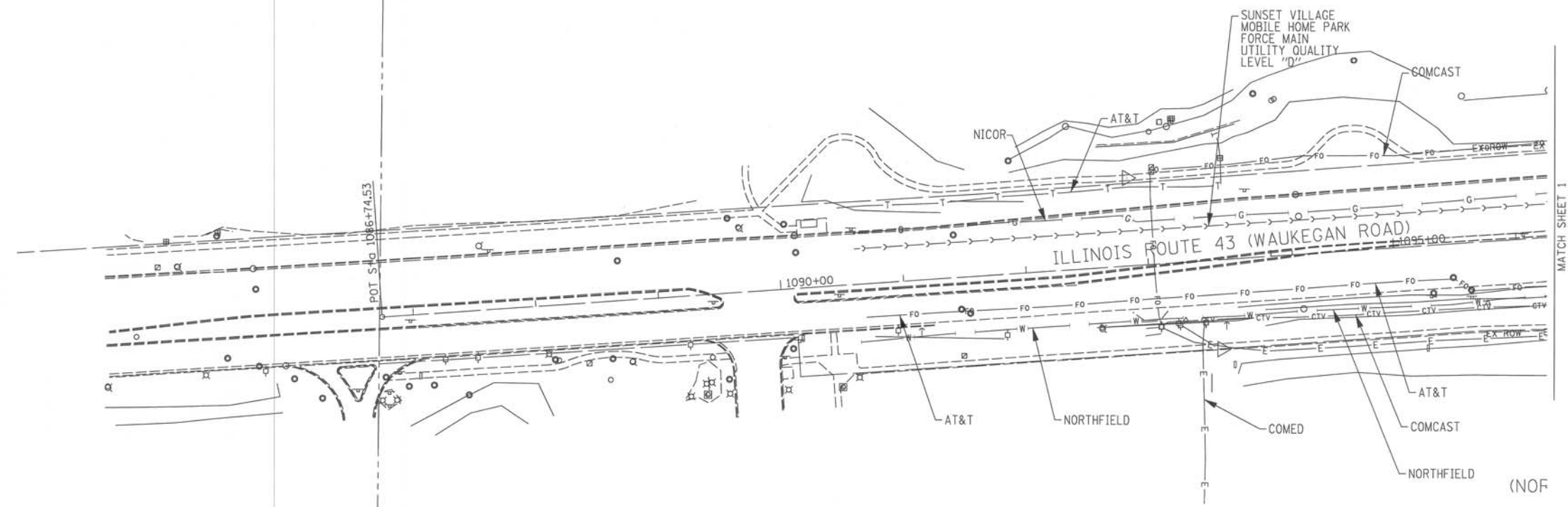
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DESIGNED	LP	REVISED
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DATE	3/27/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

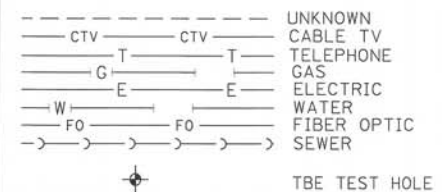
Willow Road along I-94
Northfield, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
FED. ROAD DIST. NO.			ILLINOIS DOT Project No.	



MATCH SHEET 1

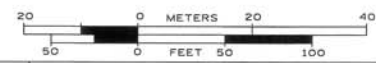
(NOF)



UTILITY OWNERS
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TBE Job No. IL09510464, 463
 SUE Plan Page: 13 of 13

Utility Quality Level "A" : visually verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

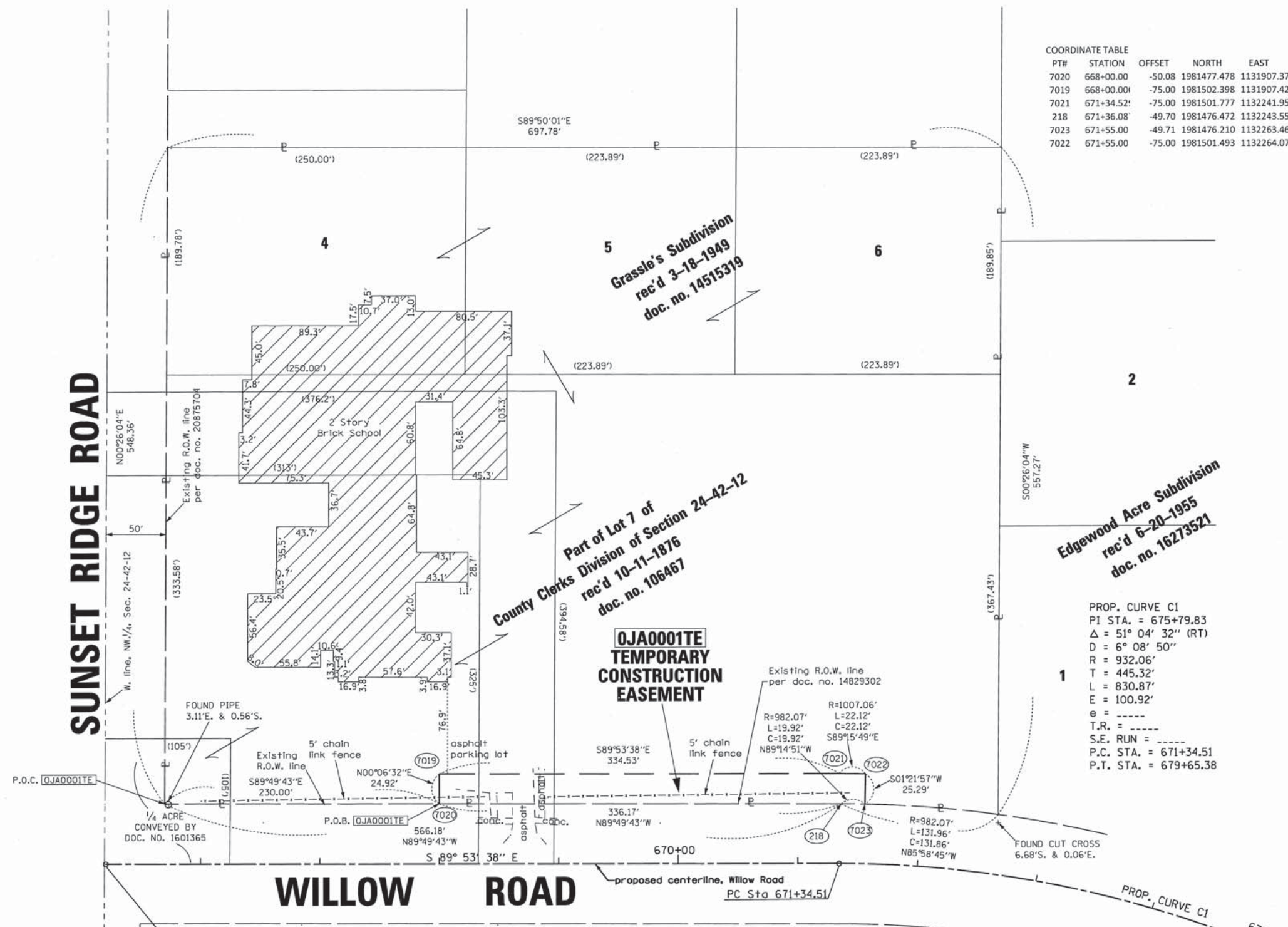
DESIGNED	LP	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/27/12	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Willow Road along I-94
 Northfield, Illinois**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook		
FED. ROAD DIST. NO.		ILLINOIS IDOT Project No.		

PART OF THE NW 1/4 OF SECTION 24, TWP.42N., R.12E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE

PT#	STATION	OFFSET	NORTH	EAST
7020	668+00.00	-50.08	1981477.478	1131907.378
7019	668+00.00	-75.00	1981502.398	1131907.426
7021	671+34.52	-75.00	1981501.777	1132241.956
218	671+36.08	-49.70	1981476.472	1132243.550
7023	671+55.00	-49.71	1981476.210	1132263.468
7022	671+55.00	-75.00	1981501.493	1132264.071

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____, 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
JUL 02 2012
PLATS & LEGALS

PROP. CURVE C1
PI STA. = 675+79.83
Δ = 51° 04' 32" (RT)
D = 6° 08' 50"
R = 932.06'
T = 445.32'
L = 830.87'
E = 100.92'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 671+34.51
P.T. STA. = 679+65.38

OJA0001TE
TEMPORARY
CONSTRUCTION
EASEMENT

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OJA0001TE	SUNSET RIDGE SCHOOL DISTRICT #29 WHICH ACQUIRED TITLE AS TRUSTEES OF SCHOOLS OF TOWNSHIP 42 NORTH, RANGE 12 EAST, COOK COUNTY, ILLINOIS	8.793	N/A	N/A	8.793	0.206	N/A	CONST.	04-24-100-018 04-24-100-030	

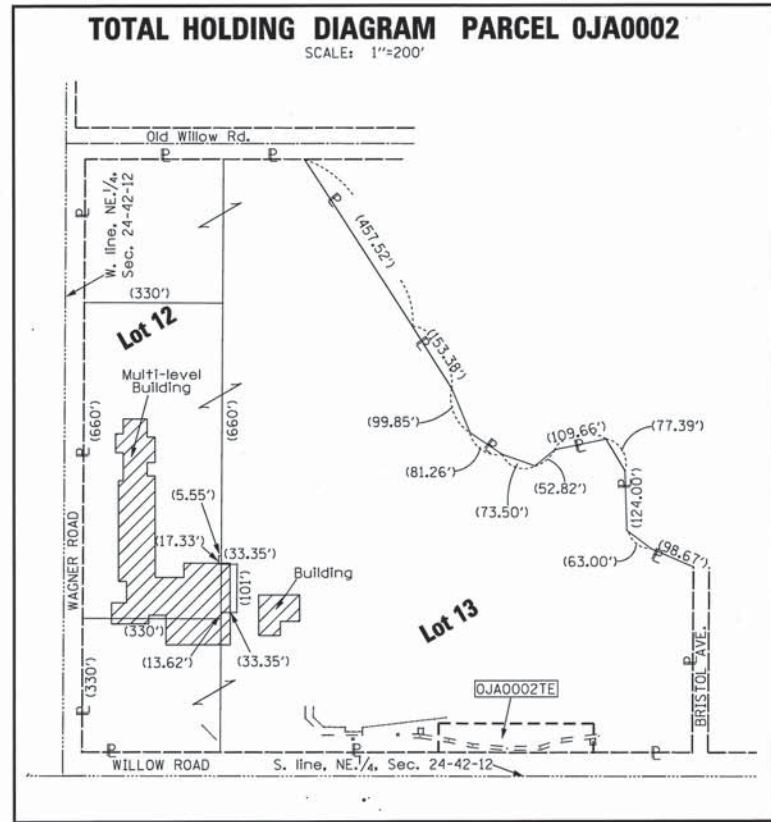
RT & A Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • GIS Consultants
2174 ONEDA STREET - JOLIET, ILLINOIS 60435
PH (815) 744-6600 FAX (815) 744-0101
www.ruettiger-tonelli.com
R.T. & A. Dwg. No.: 2012-0599

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
WILLOW ROAD

LIMITS: SUNSET RIDGE RD.- BRISTOL AVE. COUNTY: COOK
PROJECT: R90-020-12 JOB NO.:
STATION 665+20.74 TO STATION 675+00
SCALE: 1"=50' SHEET 2 OF 3

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SECTION 24, TWP.42N., R.12E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



COORDINATE TABLE

PT#	STATION	OFFSET	NORTH	EAST
7014	704+60.000	-49.56	1980144.734	1135051.313
7015	704+60.000	-110.00	1980205.171	1135051.502
7017	707+85.000	-49.68	1980143.840	1135376.312
7016	707+85.000	-110.00	1980204.157	1135376.500

LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

SECTION CORNER: 9, 10, 15, 16

QUARTER SECTION CORNER: 15, 16

GRAPHIC SCALE: 0 to 50 FEET. SCALE: 1" = 50'

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001251,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 42 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED

JUL 02 2012

PLATS & LEGALS

RT & A Ruettiger, Tonelli & Associates, Inc.
2174 ORSIDA STREET - JOLIET, ILLINOIS 60438
PH (815) 744-6600 FAX (815) 744-0101
website: www.ruettiger-tonelli.com
R.T. & A. Dwg. No.: 2012-0599

Lot 13 of
County Clerks Division of Section 24-42-12
rec'd 10-11-1876
doc. no. 106467

OJA0002TE
TEMPORARY
CONSTRUCTION
EASEMENT

Bristol Ave.

Wagner Road

WILLOW ROAD

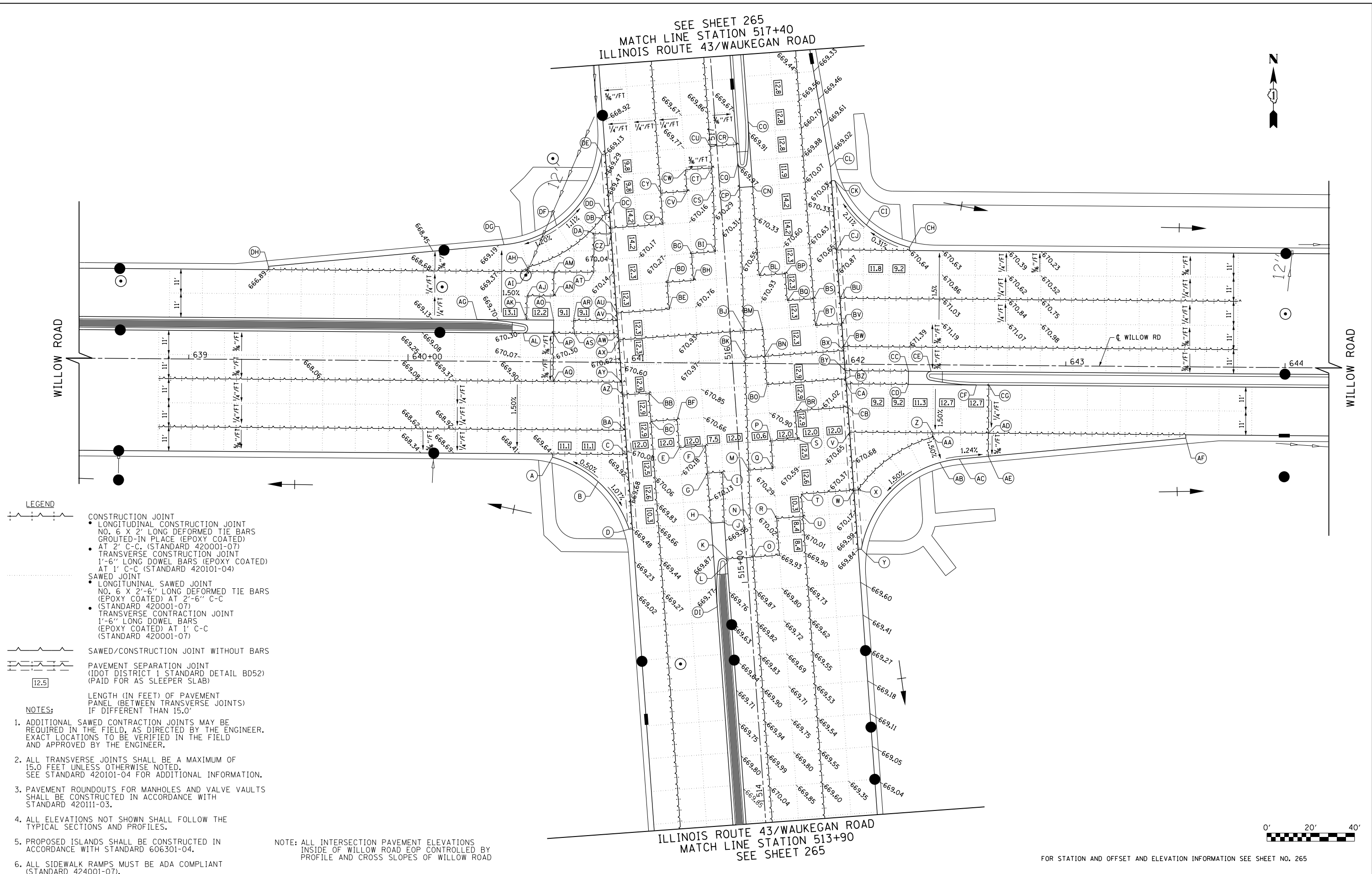
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OJA0002TE	NORTHFIELD PARK DISTRICT	27.008	N/A	N/A	27.008	0.450	N/A	CONST.	04-24-209-014 04-24-209-015 04-24-209-016 04-24-209-017 04-24-209-018	

REVISION DATE: 6-27-12

REVISION MISCEL INFO

MADE BY TLW

SEE SHEET 265
MATCH LINE STATION 517+40
ILLINOIS ROUTE 43/WAUKEGAN ROAD

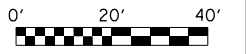


LEGEND

- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED-IN PLACE (EPOXY COATED) AT 2' C-C. (STANDARD 42001-07)
 - TRANSVERSE CONSTRUCTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
 - LONGITUDINAL SAWED JOINT NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 42001-07)
 - TRANSVERSE CONTRACTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 42001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB)

- NOTES:**
1. LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 15.0'
 2. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 3. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
 4. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
 5. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
 6. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
 7. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).

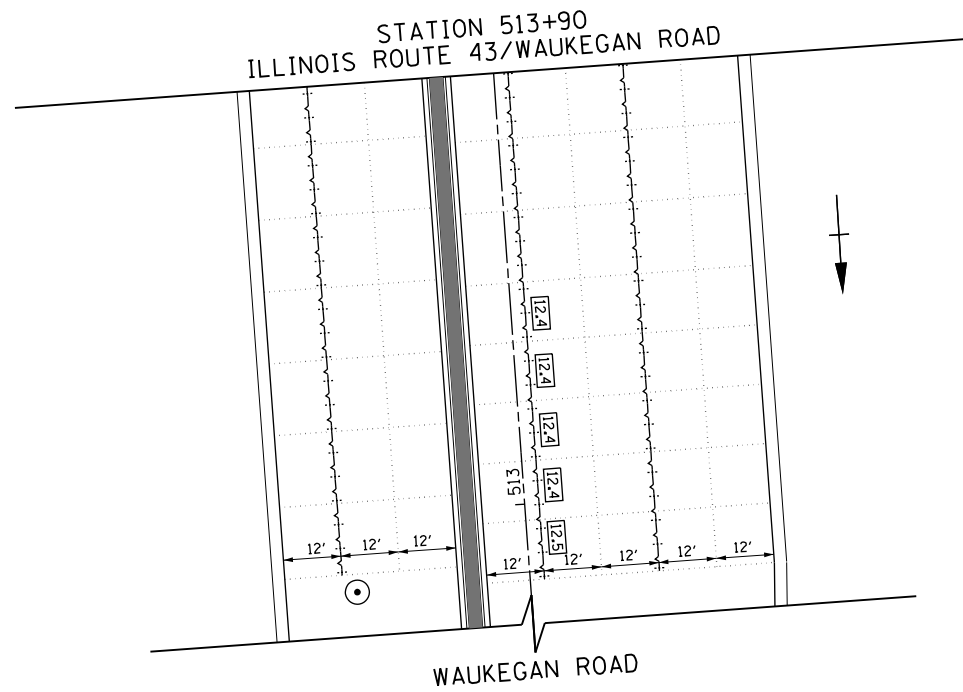
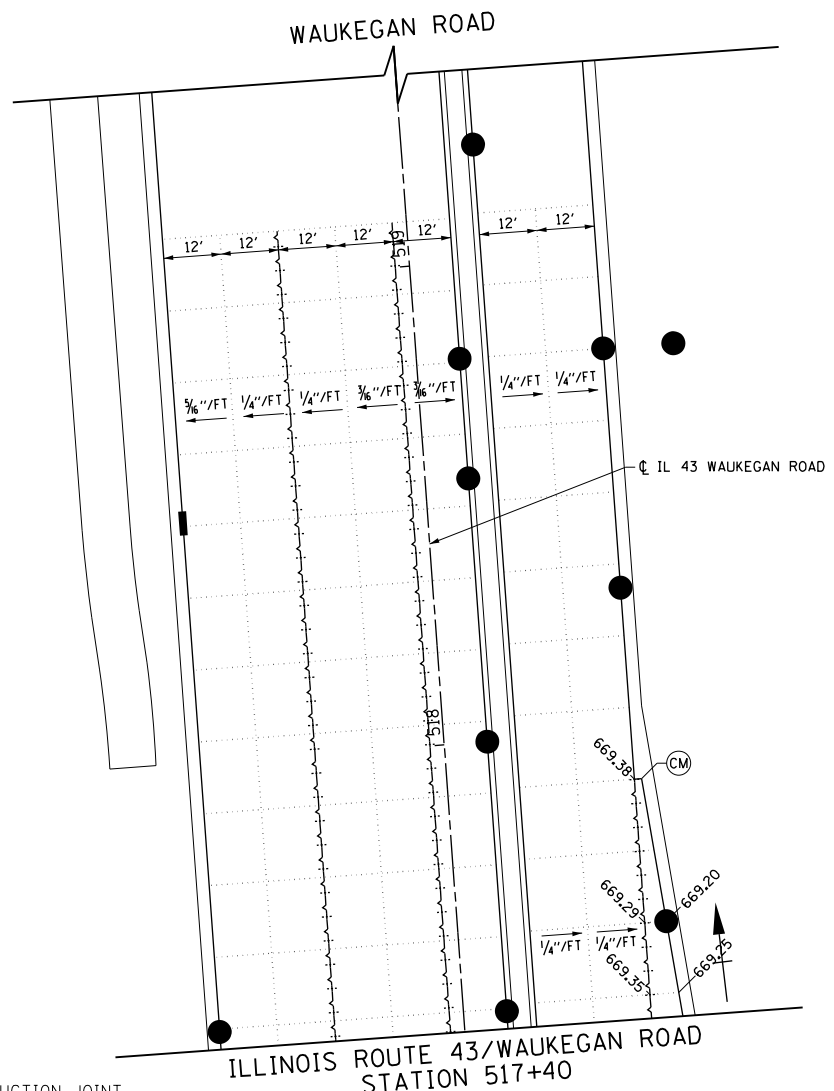
NOTE: ALL INTERSECTION PAVEMENT ELEVATIONS INSIDE OF WILLOW ROAD EOP CONTROLLED BY PROFILE AND CROSS SLOPES OF WILLOW ROAD



FOR STATION AND OFFSET AND ELEVATION INFORMATION SEE SHEET NO. 265

ILLINOIS ROUTE 43/WAUKEGAN ROAD
MATCH LINE STATION 513+90
SEE SHEET 265

FILE NAME = G:\CH11\0158\Road\Sheets\0160T35-SHT-INTERSEC-01.dgn	USER NAME = BAW\ort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD INTERSECTION PAVING PLAN AT ILLINOIS ROUTE 43 / WAUKEGAN RD	F.A.P. RTE. 305	SECTION (1920.01,1518,2022&1922.4BR)	COUNTY COOK	TOTAL SHEETS 919	SHEET NO. 264
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	SCALE:			SHEET NO. 264 OF 919 SHEETS	CONTRACT NO. 60T35			
PLOT DATE = 11/1/2012	DATE = 10/31/2012	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



LEGEND

- LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED-IN PLACE (EPOXY COATED)
- TRANSVERSE CONSTRUCTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
- LONGITUDINAL SAWED JOINT NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-07)
- TRANSVERSE CONTRACTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB)
- LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).

PT	STATION	OFFSET	ELEVATION
A	515+63.2	85.0' LT	669.62
B	515+50.6	65.1' LT	669.74
C	515+62.0	51.0' LT	670.08
D	515+28.0	52.5' LT	669.46
E	515+63.4	27.0' LT	670.36
F	515+63.4	15.0' LT	670.48
G	515+50.9	15.0' LT	670.30
H	515+28.0	15.0' LT	670.01
I	515+50.9	8.1' LT	670.36
J	515+40.7	4.6' LT	670.03
K	515+11.2	9.0' LT	669.88
L	515+09.5	9.0' LT	669.87
M	515+50.9	3.9' RT	671.48
N	515+28.0	3.0' RT	670.08
O	515+11.2	3.0' RT	669.92
P	515+63.4	15.0' RT	670.71
Q	515+50.9	15.0' RT	670.51
R	515+28.0	15.0' RT	670.13
S	515+63.4	27.0' RT	670.78
T	515+38.3	27.0' RT	670.33
U	515+28.0	27.0' RT	670.14
V	515+64.8	51.0' RT	670.89
W	515+38.3	51.0' RT	670.40
X	515+38.3	53.0' RT	670.40
Y	515+11.2	52.5' RT	669.83
Z	642+39.6	31.0' RT	670.88

PT	STATION	OFFSET	ELEVATION
AA	642+39.7	33.0' RT	670.58
AB	642+42.9	44.5' RT	670.67
AC	642+51.8	42.8' RT	670.54
AD	642+65.0	31.0' RT	670.66
AE	642+42.9	44.5' RT	670.67
AF	643+55.0	32.5' RT	669.82
AG	640+31.3	19.0' LT	669.52
AH	640+54.1	43.0' LT	669.55
AJ	640+54.1	41.0' LT	669.58
AJ	640+54.1	30.0' LT	669.42
AK	640+54.1	19.0' LT	669.91
AL	640+52.5	13.0' LT	669.92
AM	640+66.2	41.0' LT	669.77
AN	640+66.2	30.0' LT	669.60
AO	640+66.2	19.0' LT	670.10
AP	640+66.2	13.0' LT	670.13
AQ	640+66.2	9.0' LT	370.13
AR	640+75.3	19.0' LT	670.23
AS	640+75.3	13.0' LT	670.27
AT	641+84.4	41.0' LT	671.02
AU	640+95.0	22.5' LT	670.43
AV	640+95.3	19.0' LT	670.49
AW	640+95.8	13.0' LT	670.56
AX	640+96.0	10.2' LT	670.59
AY	641+97.6	9.0' RT	670.54
AZ	640+98.0	14.9' RT	670.46

PT	STATION	OFFSET	ELEVATION
BA	640+99.3	31.0' RT	670.23
BB	641+10.0	13.9' RT	670.60
BC	641+11.0	26.8' RT	670.42
BD	641+18.0	36.7' LT	670.47
BE	641+19.0	24.4' LT	670.66
BF	641+23.0	25.8' RT	670.55
BG	641+29.0	49.9' LT	670.37
BH	641+29.9	37.6' LT	670.56
BI	641+39.8	50.7' LT	670.44
BJ	641+53.3	14.8' LT	671.06
BK	641+53.8	2.5' LT	671.11
BL	641+59.9	40.0' LT	670.73
BM	641+61.8	15.5' LT	671.11
BN	641+62.8	3.3' LT	671.18
BO	641+63.8	9.6' RT	671.08
BP	641+71.8	670.98	670.79
BQ	641+72.8	28.7' LT	670.98
BR	641+76.8	21.5' RT	670.97
BS	641+84.8	29.7' LT	671.01
BT	641+85.7	17.4' LT	671.19
BU	641+96.8	30.0' LT	671.03
BV	641+97.7	18.4' LT	671.19
BW	641+98.5	8.0' LT	671.30
BX	641+98.7	6.1' LT	671.30
BY	641+99.4	3.0' RT	671.28
BZ	641+99.7	6.7' RT	671.24

PT	STATION	OFFSET	ELEVATION
CA	641+99.9	9.0' RT	671.22
CB	642+00.8	19.6' RT	671.06
CC	642+28.3	3.0' RT	671.22
CD	642+28.3	9.0' RT	671.23
CE	642+38.6	3.0' RT	671.20
CF	642+59.3	9.0' RT	671.15
CG	642+65.0	9.0' RT	671.12
CH	516+46.9	84.3' RT	670.62
CI	516+58.4	65.5' RT	670.55
CJ	516+79.7	52.5' RT	670.70
CK	516+79.7	52.5' RT	670.02
CL	516+86.1	51.0' RT	669.91
CM	517+90.0	40.5' RT	669.35
CN	516+79.7	15.0' RT	670.14
CO	517+09.4	15.0' RT	669.87
CP	516+79.7	9.0' RT	670.10
CQ	516+90.7	9.0' RT	669.95
CR	516+99.3	9.0' RT	669.84
CS	516+79.7	3.0' LT	670.14
CT	516+89.5	3.0' LT	670.05
CU	516+99.3	3.0' LT	669.96
CV	516+79.7	15.0' LT	669.97
CW	516+89.5	3.0' LT	669.86
CX	516+65.4	27.0' LT	670.03
CY	516+79.7	27.0' LT	669.80
CZ	516+62.8	51.0' LT	669.81

PT	STATION	OFFSET	ELEVATION
DA	516+63.4	58.7' LT	669.72
DB	516+65.4	51.0' LT	669.76
DC	516+72.2	51.0' LT	669.61
DD	516+72.2	53.0' LT	669.59
DE	516+99.3	52.5' LT	669.10
DF	516+68.4	75.5' LT	669.54
DG	516+61.4	100.0' LT	669.23
DH	516+59.3	207.9' LT	666.85
DI	514+89.8	15.0' LT	669.73



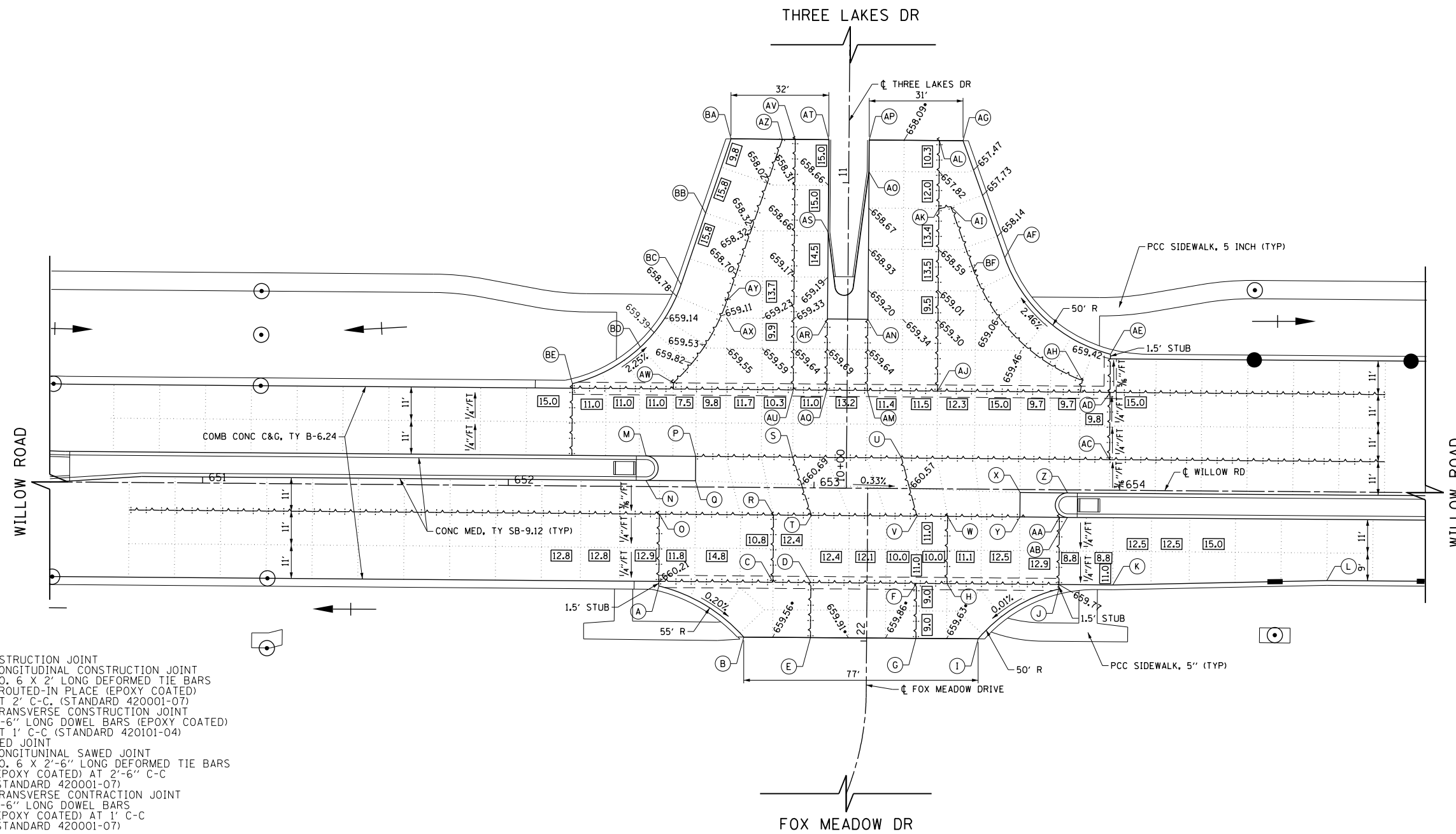
FILE NAME =	USER NAME = BAW\rtort	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/6/2012		DATE = 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WILLOW ROAD INTERSECTION PAVING PLAN
AT ILLINOIS ROUTE 43 / WAUKEGAN RD**

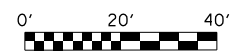
SCALE: SHEET NO. 265 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR)	COOK	919	265
				CONTRACT NO. 60T35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PT	STATION	OFFSET	ELEVATION
A	22+17.5	68.1'LT	660.17
B	22+01.0	40.2'LT	659.50*
C	22+19.0	30.8'LT	660.10
D	22+19.1	18.4'LT	660.05
E	22+01.0	18.4'LT	659.75*
F	22+19.0	16.1'RT	659.93
G	22+01.0	16.1'RT	659.74*
H	22+19.0	26.1'RT	659.90
I	22+01.0	36.5'RT	659.68*
J	22+17.5	62.8'RT	659.73
K	653+98.0	31.0'RT	659.71
L	654+68.0	29.0'RT	659.50
M	652+45.0	10.0'LT	660.70
N	652+45.0	2.0'LT	660.87
O	652+49.5	9.0'RT	660.67
P	652+61.2	10.0'LT	660.65
Q	652+61.2	2.0'LT	660.82
R	652+86.8	9.0'RT	660.56
S	652+93.0	10.0'LT	660.53
T	652+99.2	9.0'RT	660.51
U	653+28.6	10.0'LT	660.41
V	653+33.8	9.0'RT	660.39
W	653+43.8	9.0'RT	660.39
X	653+67.4	1.0'RT	660.44
Y	653+67.5	9.0'RT	660.27
Z	653+83.0	1.0'RT	660.39
AA	653+80.4	9.0'RT	660.23
AB	653+83.0	9.0'RT	660.22
AC	653+96.6	10.0'LT	660.17
AD	653+96.7	32.0'LT	659.71
AE	10+44.5	86.1'RT	659.38
AF	10+75.8	61.3'RT	658.35
AG	11+14.0	37.3'RT	657.18*
AH	10+35.8	76.9'RT	659.61
AI	10+92.4	33.5'RT	658.06
AJ	10+32.0	29.6'RT	659.91
AK	10+91.7	29.6'RT	658.18
AL	11+14.0	29.6'RT	657.50*
AM	10+32.0	6.6'RT	659.99
AN	10+55.3	6.6'RT	659.38
AO	11+03.7	6.6'RT	658.44
AP	11+14.0	6.6'RT	658.24*
AQ	10+32.0	6.6'LT	660.04
AR	10+55.3	6.6'LT	659.43
AS	10+83.8	6.6'LT	658.92
AT	11+14.0	6.6'LT	658.39*
AU	10+32.0	17.6'LT	660.07
AV	11+14.0	17.6'LT	657.96*
AW	10+34.0	56.8'LT	660.16
AX	10+55.3	39.6'LT	659.13
AY	10+61.1	39.5'LT	658.95
AZ	11+14.0	21.8'LT	657.89*
BA	11+14.0	38.6'LT	657.28*
BB	10+89.7	46.7'LT	657.99
BC	10+66.2	54.6'LT	658.62
BD	10+45.6	67.7'LT	659.68
BE	10+33.5	89.9'LT	660.26
BF	10+72.1	40.9'RT	658.61

* MATCH EXISTING



LEGEND

- LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED-IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
- TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
LONGITUNINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
- TRANSVERSE CONTRACTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)
- LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).

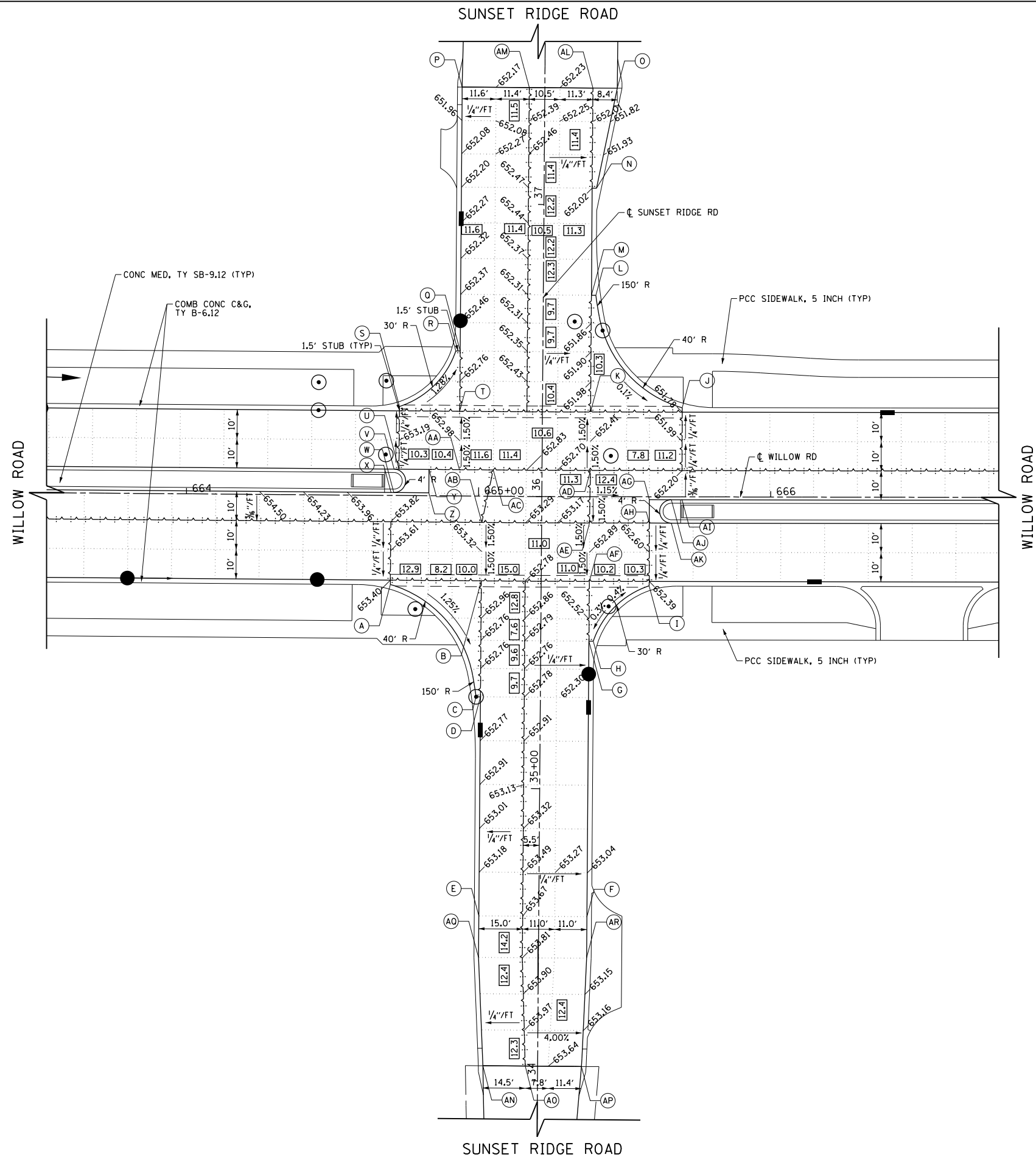
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PLOT DATE = 12/6/2012		DATE = 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WILLOW ROAD INTERSECTION PAVING PLAN
THREE LAKES DR / FOX MEADOW DR**

SCALE: SHEET NO. 266 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR)	COOK	919	266
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



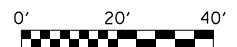
PT	STATION	OFFSET	ELEVATION
A	664+70.0	30.5' RT	653.36
B	665+01.2	29.0' RT	653.17
C	35+31.3	22.0' LT	652.71
D	35+31.3	20.5' LT	652.73
E	34+56.3	20.5' LT	653.33
F	34+56.3	16.5' RT	653.10
G	35+50.6	16.5' RT	652.40
H	35+50.6	18.0' RT	652.38
I	665+58.5	30.5' RT	652.37
J	665+69.7	30.5' LT	651.76
K	665+38.3	29.0' LT	652.26
L	36+69.0	18.0' RT	651.83
M	36+69.0	16.5' RT	651.86
N	37+05.7	18.0' RT	651.98
O	37+40.0	24.8' RT	651.64
P	37+40.0	28.3' LT	651.83
Q	36+49.7	28.3' LT	652.58
R	36+49.7	29.8' LT	652.59
S	664+93.3	29.0' LT	652.95
T	664+93.3	29.0' LT	652.83
U	664+72.7	9.0' LT	652.40
V	664+71.0	9.0' LT	653.42
W	664+71.0	1.0' LT	653.68
X	664+70.0	1.0' LT	653.68
Y	664+83.0	9.0' LT	653.26
Z	664+83.0	1.0' LT	653.44
AA	664+93.3	9.0' LT	653.13
AB	665+01.2	9.0' RT	653.47
AC	665+05.0	9.0' LT	652.97
AD	665+38.3	9.0' LT	652.56
AE	665+38.0	9.0' RT	653.04
AF	665+38.0	29.0' RT	652.74
AG	665+58.5	1.0' RT	652.57
AH	665+58.5	9.0' RT	652.81
AI	665+69.7	1.0' RT	652.36
AJ	665+66.0	1.0' RT	652.40
AK	665+66.0	9.0' RT	652.77
AL	37+40.0	16.5' RT	651.94
AM	37+40.0	5.3' LT	652.30
AN	34+05.0	18.7' LT	653.57
AO	34+05.0	4.2' LT	653.94
AP	34+05.0	15.0' RT	653.12
AQ	34+42.1	20.5' LT	653.5
AR	34+42.1	16.4' RT	653.12

LEGEND

- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED-IN PLACE (EPOXY COATED)
AT 2' C-C. (STANDARD 420001-07)
 - TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
 - TRANSVERSE SAWED JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)
- [12.5] LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).



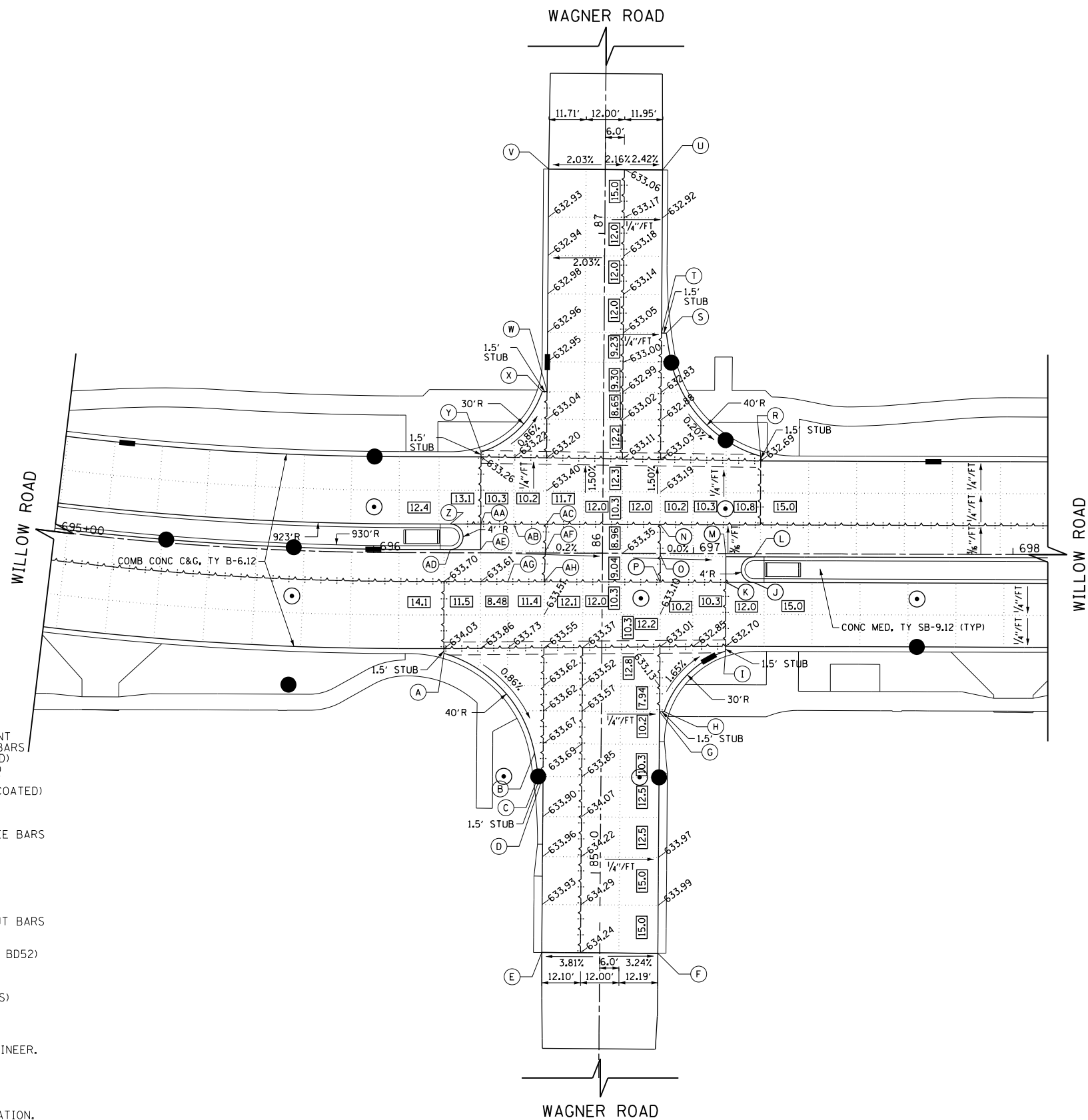
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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/6/2012		DATE = 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WILLOW ROAD INTERSECTION PAVING PLAN
AT SUNSET RIDGE RD**

SCALE: SHEET NO. 267 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR)	COOK	919	267
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PT	STATION	OFFSET	ELEVATION
A	696+22.08	31.50' RT	634.06
B	85+37.35	20.83' LT	633.68
C	85+30.03	19.60' LT	633.75
D	85+30.03	18.10' LT	633.76
E	84+75.00	18.10' LT	633.78
F	84+75.00	18.19' RT	633.88
G	85+50.56	18.19' RT	633.17
H	85+50.56	19.69' RT	633.14
I	697+10.20	30.50' RT	632.68
J	697+19.02	9.01' RT	632.98
K	697+10.20	9.00' RT	633.05
L	697+19.00	1.00' RT	633.28
M	697+10.20	1.00' RT	633.35
N	696+89.68	9.00' LT	633.34
O	696+89.68	0.46' RT	633.35
P	696+89.69	9.00' RT	633.20
R	697+20.99	30.50' LT	632.65
S	86+68.96	19.45' RT	632.76
T	86+68.96	17.95' RT	632.80
U	87+20.00	17.95' RT	632.77
V	87+20.00	17.71' LT	632.83
W	86+50.44	17.71' LT	632.99
X	86+50.44	19.21' LT	632.98
Y	696+33.52	31.50' LT	633.22
Z	696+24.00	9.00' LT	633.82
AA	696+33.52	9.00' LT	633.75
AB	696+43.83	9.00' LT	633.67
AC	696+54.03	9.00' LT	633.60
AD	696+24.00	1.00' LT	633.49
AE	696+33.52	1.00' LT	633.45
AF	696+53.73	0.47' LT	633.40
AG	696+42.02	9.00' RT	633.55
AH	696+53.40	9.00' RT	633.47

LEGEND

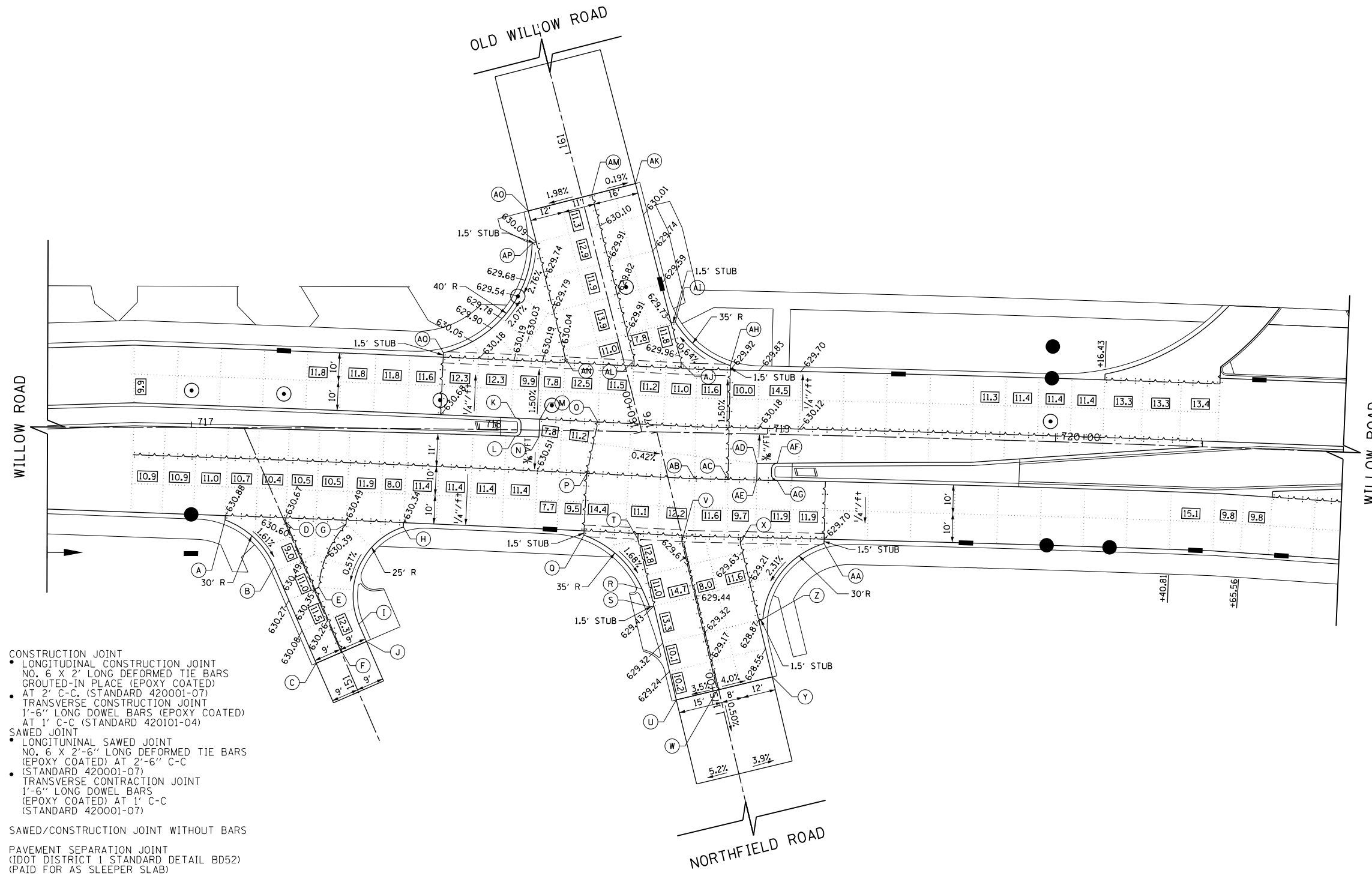
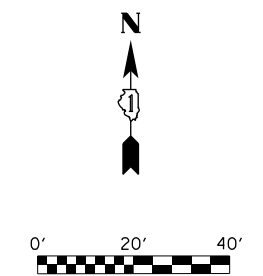
- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED-IN PLACE (EPOXY COATED)
 - AT 2' C-C (STANDARD 420001-07)
 - TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
 - LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
 - TRANSVERSE SAWED JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)
- LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).



FILE NAME =	USER NAME = BAW\rtort	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD INTERSECTION PAVING PLAN AT WAGNER RD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\0158\Road\Sheets\0160T35-SHT-INTERSEC-05.dgn		DRAWN -	REVISED -			305	(1920.01,1518,2022&1922,4)BR	COOK	919	268	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 60T35					
	PLOT DATE = 12/6/2012	DATE - 10/31/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



PT	STATION	OFFSET	ELEVATION
A	151+73.2	18.8' LT	630.85
B	151+51.5	9.5' LT	630.44
C	151+15.0	9.5' LT	629.83
D	151+64.3	0.3' RT	630.67
E	151+38.8	1.8' RT	630.33
F	151+15.0	0.3' RT	630.17
G	151+55.2	19.3' RT	630.47
H	151+46.3	37.1' RT	630.34
I	151+21.5	9.5' RT	630.07
J	151+15.0	9.5' RT	630.02
K	718+12.5	4.1' LT	630.53
L	718+12.4	2.2' RT	630.72
M	718+20.9	3.8' LT	630.48
N	718+20.7	2.4' RT	630.69
O	718+41.1	3.1' LT	630.41
P	718+37.5	14.8' RT	630.44
Q	175+71.1	33.0' LT	629.99
R	175+48.2	17.7' LT	629.51
S	175+41.6	16.6' LT	629.40
T	175+65.3	15.1' LT	629.89
U	175+08.0	15.1' LT	628.58
V	175+61.0	0.5' LT	629.84
W	175+08.0	0.5' LT	629.09
X	175+55.8	19.1' RT	629.74
Y	175+08.0	19.1' RT	628.30
Z	175+28.3	20.6' RT	628.84
AA	175+48.9	47.4' RT	629.67
AB	718+75.0	16.0' RT	630.30
AC	718+86.6	16.0' RT	630.25
AD	718+96.6	10.2' RT	630.37
AE	718+96.7	16.0' RT	630.21
AF	719+03.6	10.0' RT	630.37
AG	719+03.7	16.0' RT	630.18
AH	160+14.6	35.4' RT	629.89
AI	160+34.0	20.7' RT	629.73
AJ	160+19.8	19.2' RT	629.98
AK	160+84.0	19.2' RT	630.24
AL	160+24.7	3.5' RT	630.04
AM	160+84.0	3.5' RT	630.27
AN	160+31.7	19.4' LT	630.13
AO	160+84.0	19.2' LT	629.82
AP	160+72.7	20.7' LT	630.07
AQ	160+43.6	60.0' LT	630.23

LEGEND

- CONSTRUCTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT
NO. 6 X 2' LONG DEFORMED TIE BARS
GROUTED-IN PLACE (EPOXY COATED)
- AT 2' C-C (STANDARD 420001-07)
- TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
- LONGITUDINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
- TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT
(IDOT DISTRICT 1 STANDARD DETAIL BD52)
(PAID FOR AS SLEEPER SLAB)
- LENGTH (IN FEET) OF PAVEMENT
PANEL (BETWEEN TRANSVERSE JOINTS)
IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).



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		DATE - 10/31/2012	REVISED -

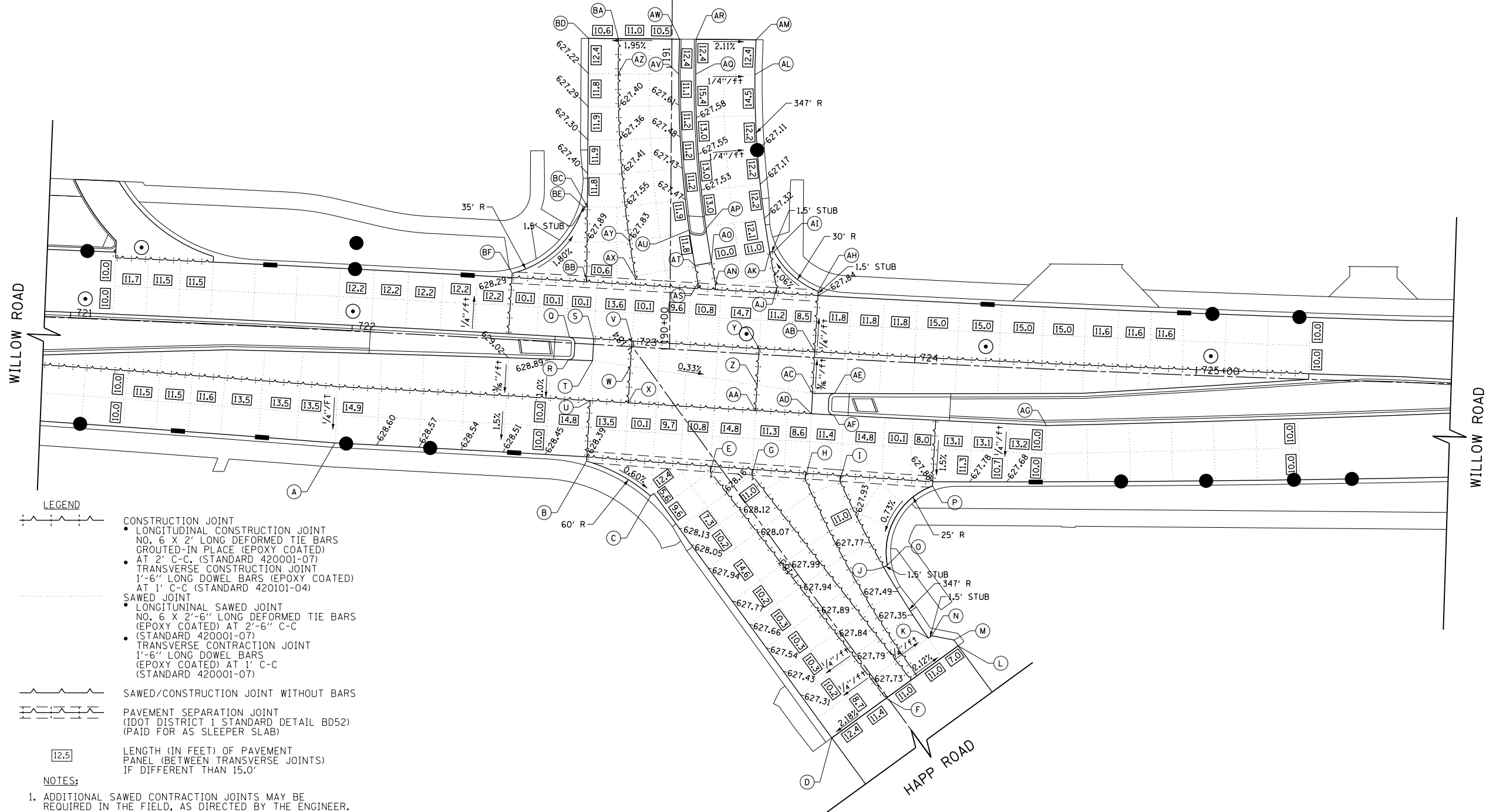
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WILLOW ROAD INTERSECTION PAVING PLAN
AT OLD WILLOW RD / NORTHFIELD RD**

SCALE: SHEET NO. 269 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	269
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CENTRAL AVE



PT	STATION	OFFSET	ELEVATION
A	721+96.0	40.0' RT	628.62
B	183+76.7	37.0' LT	628.38
C	183+53.3	25.9' LT	628.22
D	182+46.1	24.4' LT	627.17
E	183+47.7	3.7' LT	628.21
F	182+46.1	0.6' LT	627.69
G	183+38.2	7.6' RT	628.14
H	183+26.0	22.0' RT	628.06
I	183+18.0	31.5' RT	628.01
J	182+84.2	26.1' RT	627.62
K	182+54.5	24.1' RT	627.21
L	182+46.1	31.0' RT	627.02
M	182+48.6	31.0' RT	627.04
N	182+54.5	25.6' RT	627.18
O	182+84.0	27.6' RT	627.61
P	182+97.3	57.1' RT	627.87
Q	722+77.3	2.0' LT	628.62
R	722+77.3	6.0' RT	628.83
S	722+85.9	2.0' LT	628.59
T	722+85.9	5.8' RT	628.75
U	722+85.10	20.0' RT	628.69
V	722+99.4	2.0' LT	628.53
W	722+99.5	7.0' RT	628.71
X	722+99.6	20.0' RT	628.64
Y	723+44.7	2.0' LT	628.34
Z	723+44.8	11.0' RT	658.56
AA	723+44.9	20.0' RT	628.46
AB	723+64.5	2.0' LT	628.26
AC	723+64.5	12.8' RT	628.49
AD	723+64.6	20.0' RT	628.39
AE	723+72.2	12.4' RT	628.46
AF	723+72.3	20.0' RT	628.36
AG	724+47.8	20.0' RT	628.06
AH	190+20.9	52.6' RT	627.81
AI	190+34.9	36.7' RT	627.58
AJ	190+22.1	37.8' RT	627.85
AK	190+34.6	35.3' RT	627.59
AL	190+97.6	29.5' RT	627.16
AM	191+10.0	29.8' RT	627.09*
AN	190+23.2	16.1' RT	627.95
AO	190+30.8	14.6' RT	627.80
AP	190+42.8	12.6' RT	627.62
AQ	190+97.6	8.5' RT	627.68
AR	191+10.0	8.5' RT	627.54*
AS	190+23.5	9.9' RT	627.98
AT	190+29.7	8.7' RT	627.86
AU	190+42.3	6.6' RT	627.62
AV	190+97.6	2.5' RT	627.68
AW	191+10.0	2.7' RT	627.63*
AX	190+24.7	12.2' LT	628.07
AY	190+38.1	14.5' LT	627.83
AZ	190+97.6	19.0' LT	627.37
BA	191+10.0	19.0' LT	627.20*
BB	190+23.6	29.6' LT	628.18
BC	190+50.3	29.6' LT	627.60
BD	191+10.0	29.6' LT	627.00*
BE	190+50.3	31.1' LT	627.61
BF	190+26.4	56.1' LT	628.26

* MATCH EXISTING

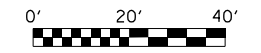
LEGEND

- CONSTRUCTION JOINT
 - LONGITUDINAL CONSTRUCTION JOINT NO. 6 X 2' LONG DEFORMED TIE BARS GROUTED-IN PLACE (EPOXY COATED)
 - AT 2' C-C (STANDARD 420001-07)
 - TRANSVERSE CONSTRUCTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-04)
- SAWED JOINT
 - LONGITUDINAL SAWED JOINT NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-07)
 - TRANSVERSE CONSTRUCTION JOINT 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420001-07)
- SAWED/CONSTRUCTION JOINT WITHOUT BARS
- PAVEMENT SEPARATION JOINT (DOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB)

LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 15.0'

NOTES:

1. ADDITIONAL SAWED CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
2. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-04 FOR ADDITIONAL INFORMATION.
3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-03.
4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301-04.
6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARD 424001-07).



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PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/6/2012		DATE = 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WILLOW ROAD INTERSECTION PAVING PLAN
AT CENTRAL AVE /HAPP RD

SCALE: SHEET NO. 270 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BR)	COOK	919	270
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

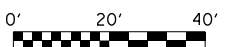
NOTES:

1. EARTHWORK NUMBERS SHOWN REPRESENT PROPOSED INFIELD GRADING ONLY. SEE SHEET NO. 914 TO 915 FOR RAMP D CROSS-SECTIONS AND EARTHWORK.



EARTHWORK-INFIELD GRADING	
EARTH EXC	CU YD 192.0
UNSUITABLE EXC	148.7

PT	STATION	OFFSET	ELEV
A	873+00.00	3.29' RT	631.12
B	873+00.00	8.00' RT	630.93
C	873+17.50	12.84' RT	631.14
D	873+35.01	31.77' RT	630.64
E	873+26.61	0.00'	631.77
F	873+20.40	23.46' LT	632.52
G	873+10.2	16.03' LT	632.01



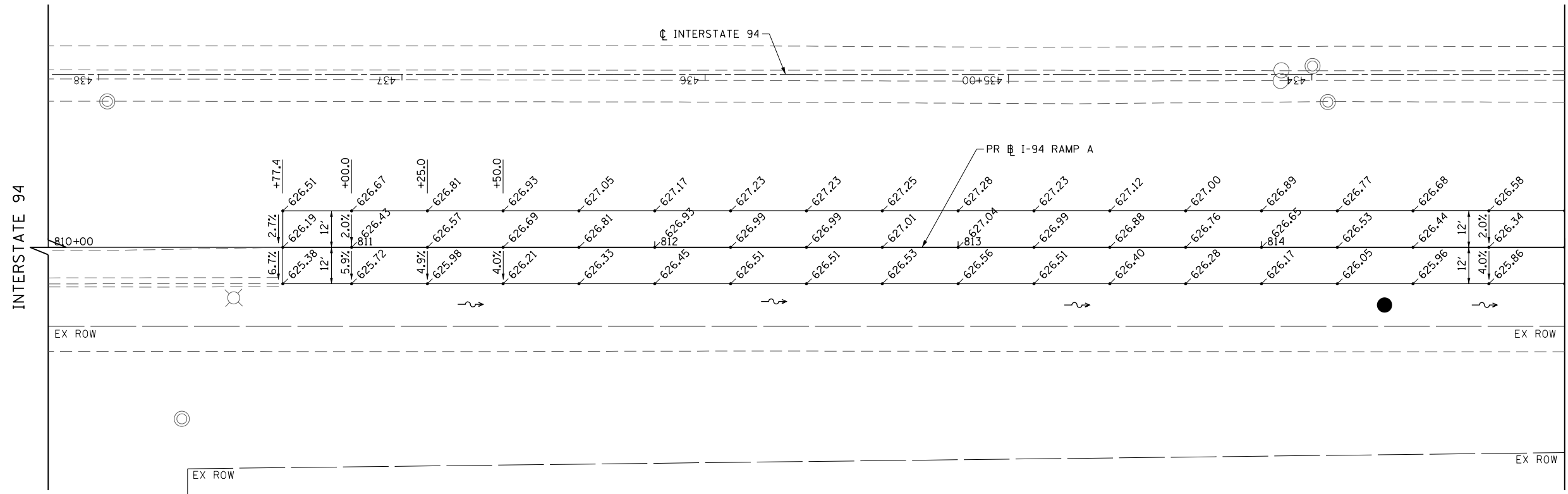
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G:\CH11\0158\Road\Sheets\0160T35-SHT-INTERSEC-08.dgn		DRAWN - MNB	REVISED -
	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 12/6/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSTATE 94 RAMP D PAVING AND GRADING PLAN

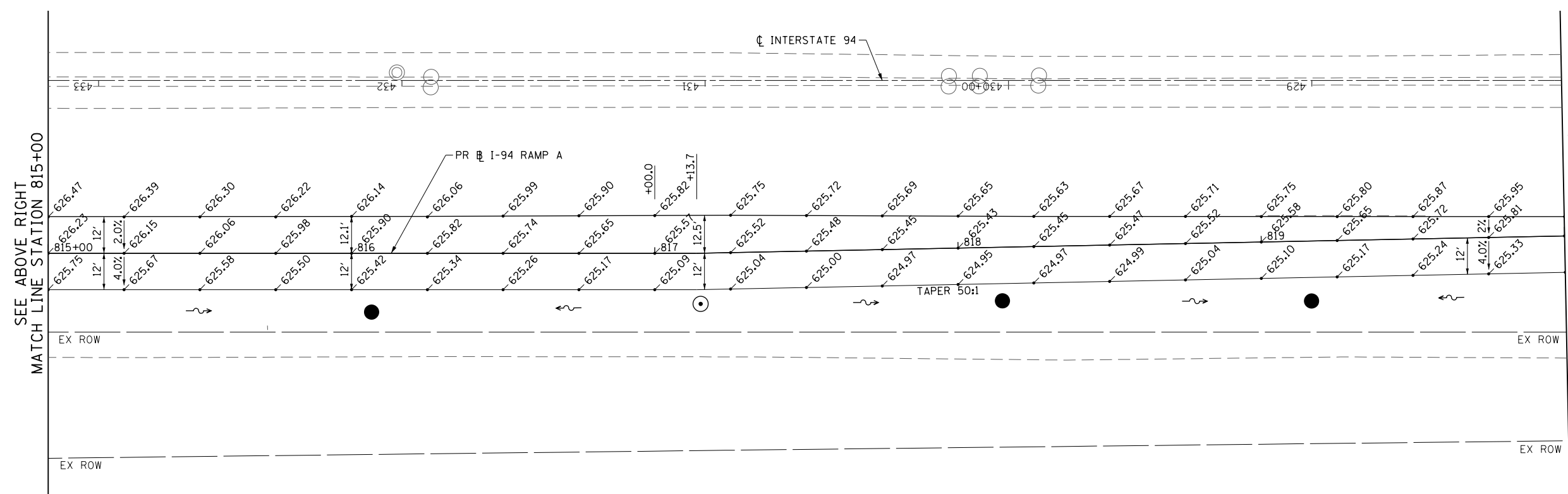
SCALE: 1" = 20' SHEET NO. 271 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)R	COOK	919	271
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



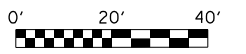
MATCH LINE STATION 815+00
SEE BELOW LEFT

- NOTES:
1. ELEVATIONS ARE GIVEN EVERY 25' UNLESS OTHERWISE NOTED.
 2. CROSS-SLOPE OF AUXILIARY LANE AND SHOULDER ARE 2.0% AND 4.0%, RESPECTIVELY, UNLESS OTHERWISE NOTED.

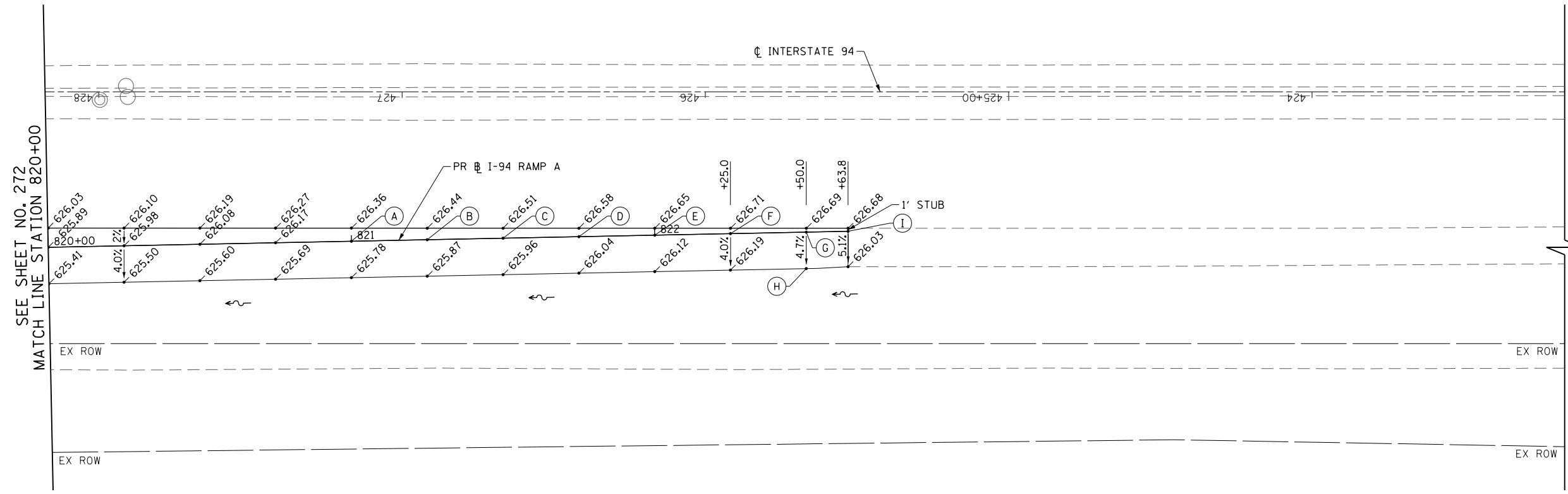
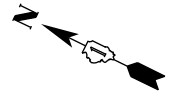


SEE ABOVE RIGHT
MATCH LINE STATION 815+00

MATCH LINE STATION 820+00
SEE SHEET NO. 273



FILE NAME = G:\CH11\0158\Road\Sheets\0160T35-SHT-INTERSEC-09.dgn	USER NAME = BAW\rtort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 94 RAMP A AUXILIARY LANE PAVING PLAN			F.A.P. RTE. 305	SECTION (1920.01,1518,2022&1922.4)BR	COUNTY COOK	TOTAL SHEETS 919	SHEET NO. 272
	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -		SCALE: 1" = 20'	SHEET NO. 272 OF 919 SHEETS	STA. 810+00	TO STA. 820+00	CONTRACT NO. 60T35			
	PLOT DATE = 12/6/2012	DATE - 10/31/2012	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



PT	STATION	OFFSET	ELEV
A	821+00.00	0.00'	626.26
B	821+25.00	0.00'	626.35
C	821+50.00	0.00'	626.44
D	821+75.00	0.00'	626.52
E	822+00.00	0.00'	626.60
F	822+25.00	0.00'	626.67
G	822+50.00	0.00'	626.66
H	822+50.00	12.00' RT	626.10
I	822+63.79	0.00'	626.63

- NOTES:**
- ELEVATIONS ARE GIVEN EVERY 25' UNLESS OTHERWISE NOTED.
 - CROSS-SLOPE OF AUXILIARY LANE AND SHOULDER ARE 2.0% AND 4.0%, RESPECTIVELY, UNLESS OTHERWISE NOTED.



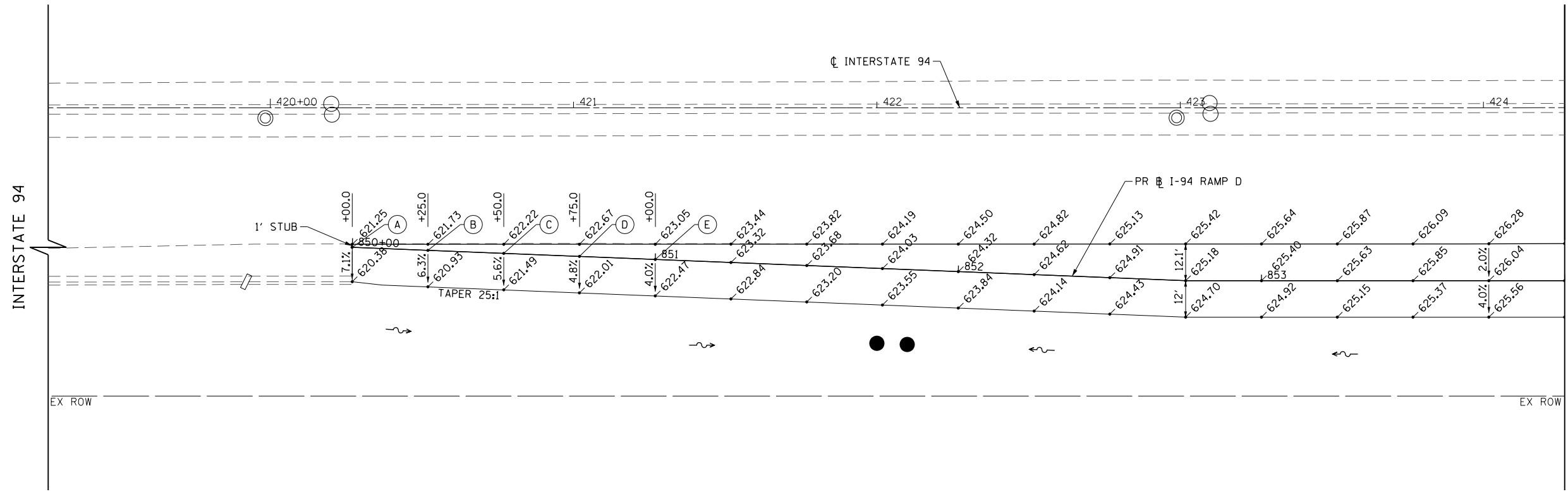
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	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 12/6/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSTATE 94 RAMP A AUXILIARY LANE PAVING PLAN

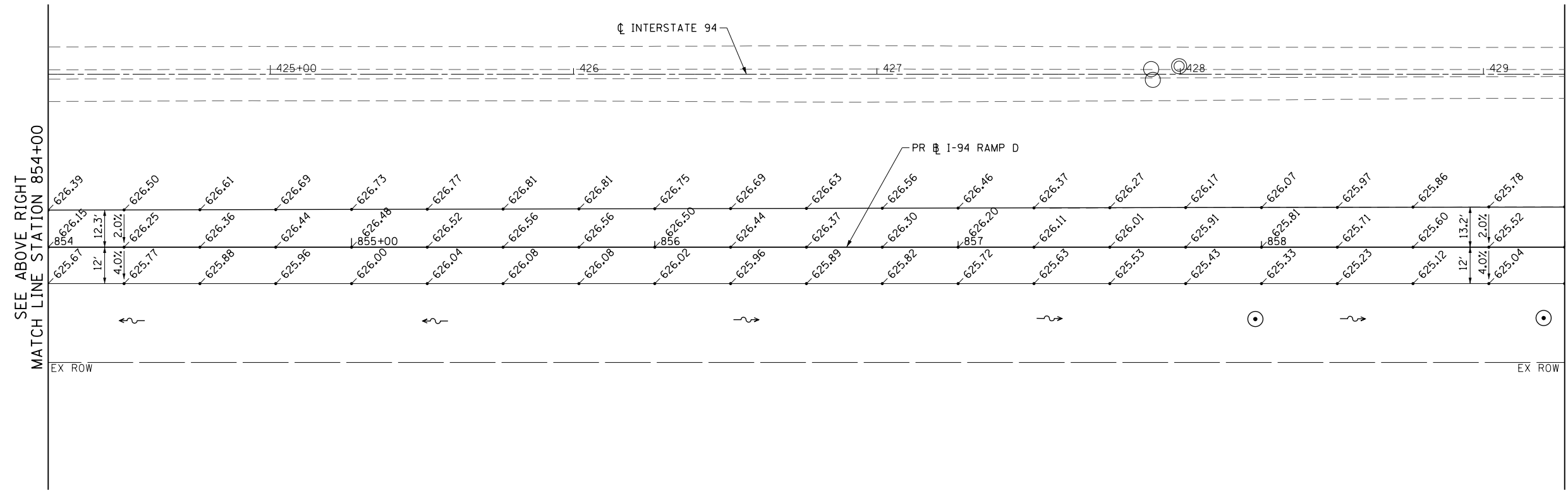
SCALE: 1" = 20' SHEET NO. 273 OF 919 SHEETS STA. 820+00 TO STA. 822+64

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4B)R	COOK	919	273
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



PT	STATION	OFFSET	ELEV
A	850+00.00	0.00'	621.17
B	850+25.00	0.00'	621.69
C	850+50.00	0.00'	622.16
D	850+75.00	0.00'	622.59
E	851+00.00	0.00'	622.95

- NOTES:
- ELEVATIONS ARE GIVEN EVERY 25' UNLESS OTHERWISE NOTED.
 - CROSS-SLOPE OF AUXILIARY LANE AND SHOULDER ARE 2.0% AND 4.0%, RESPECTIVELY, UNLESS OTHERWISE NOTED.



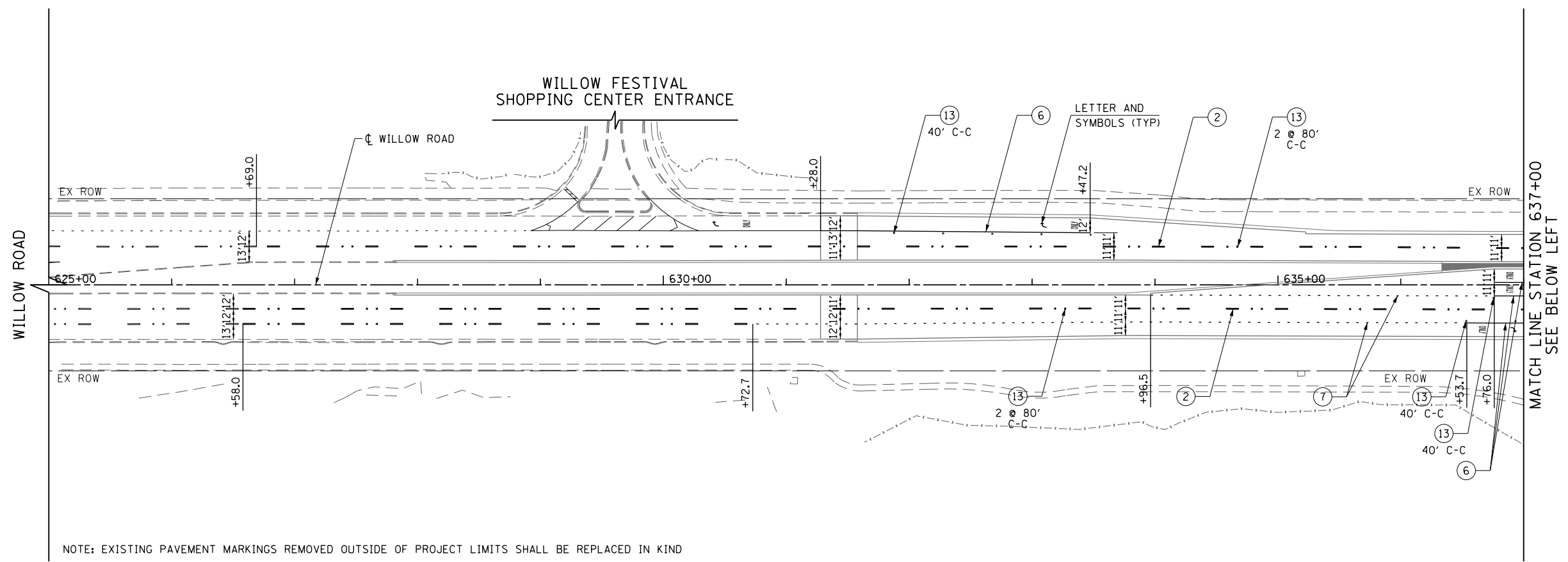
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	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 12/6/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSTATE 94 RAMP D AUXILIARY LANE PAVING PLAN

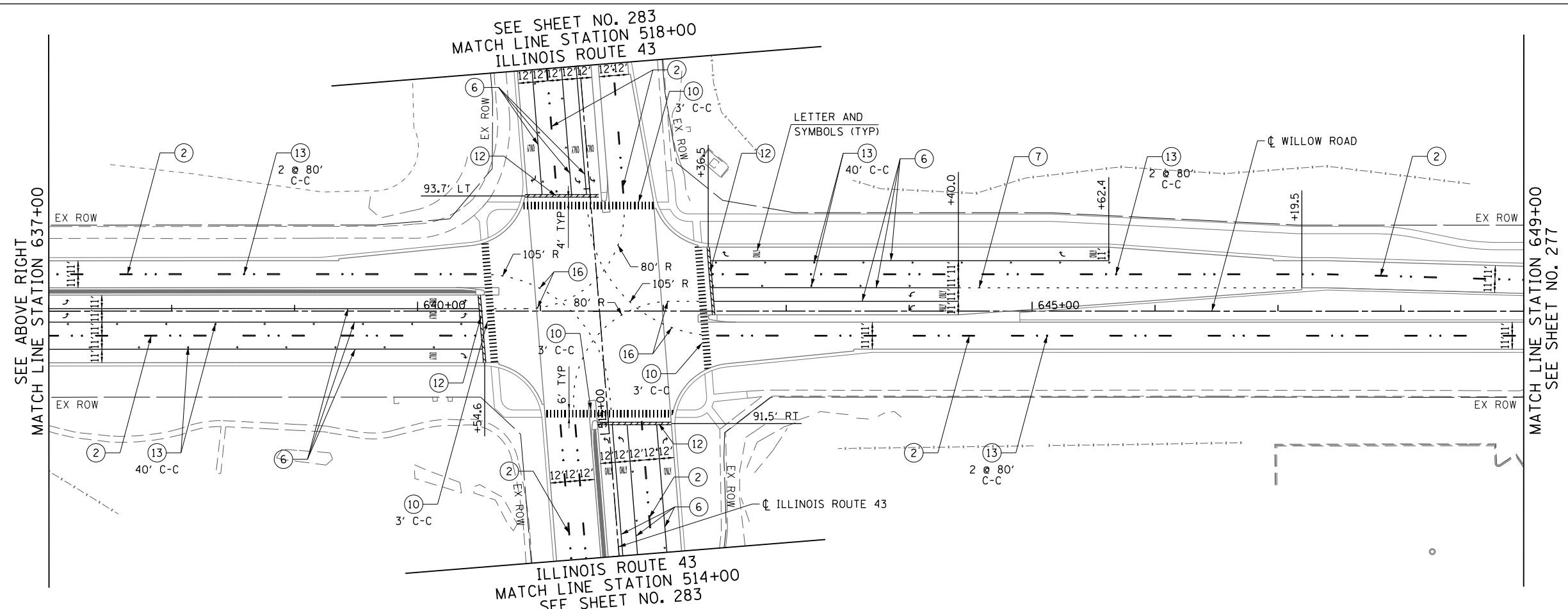
SCALE: 1" = 20' SHEET NO. 274 OF 919 SHEETS STA. 850+00 TO STA. 859+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	274
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

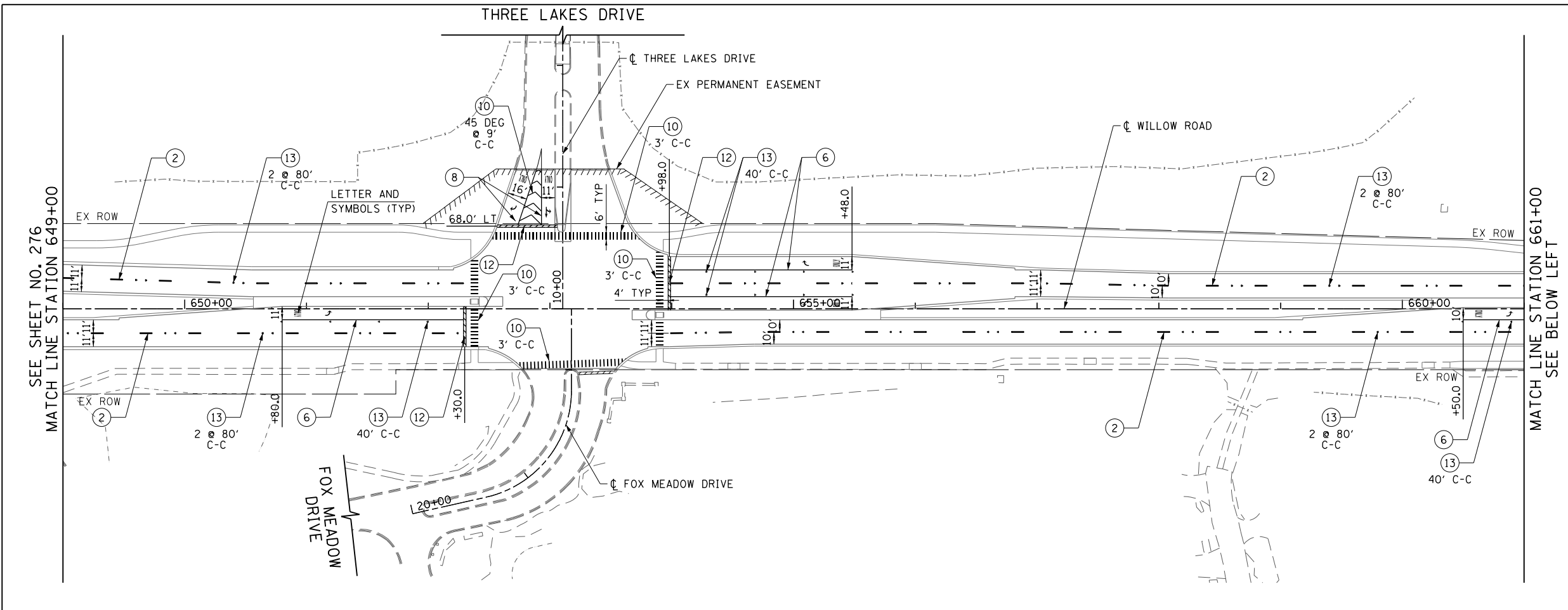
NOTE: EXISTING PAVEMENT MARKINGS REMOVED OUTSIDE OF PROJECT LIMITS SHALL BE REPLACED IN KIND



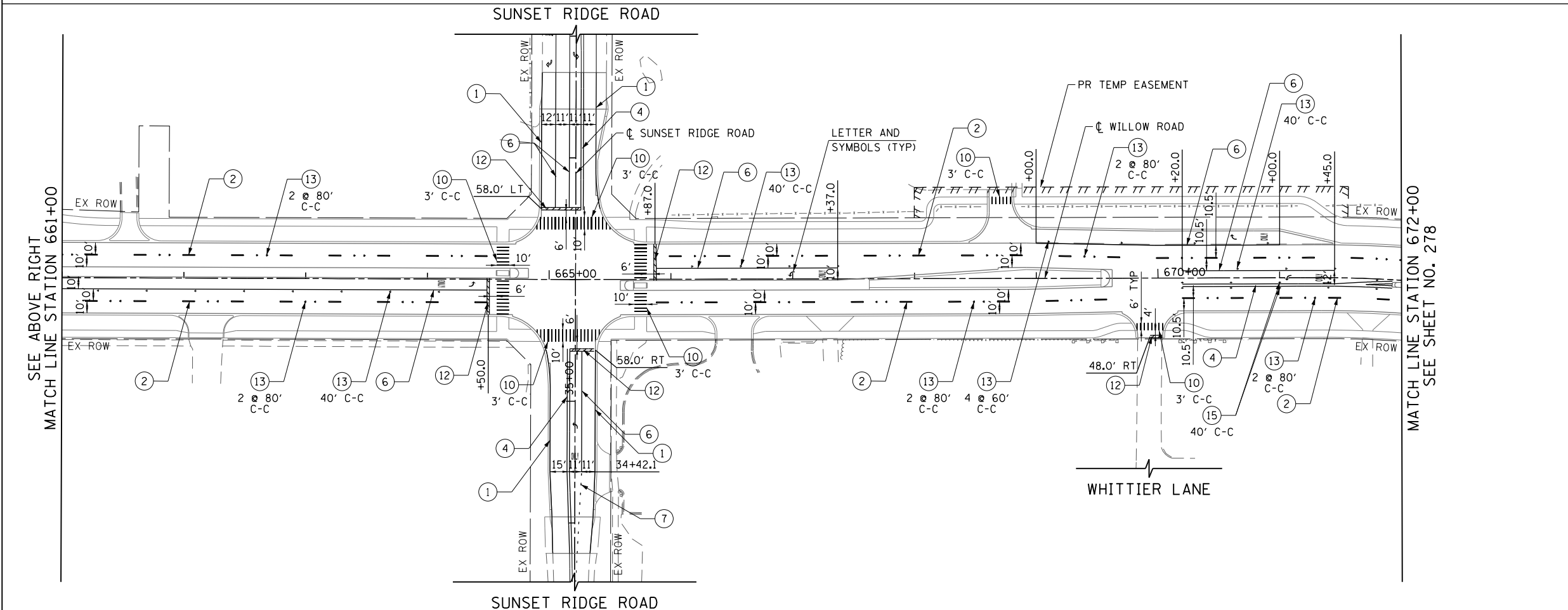
- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.



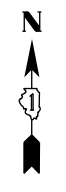
FILE NAME = G:\CH11\0158\Road\Sheets\0160T35-SHT-PM02.dgn	USER NAME = BAW\rtort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 100.000' / in.	CHECKED - RCB	REVISED -	REVISED -			305	(1920.01,1518,2022&1922,4BR)	COOK	919	276	
PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -	REVISED -			CONTRACT NO. 60T35					
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)



- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.



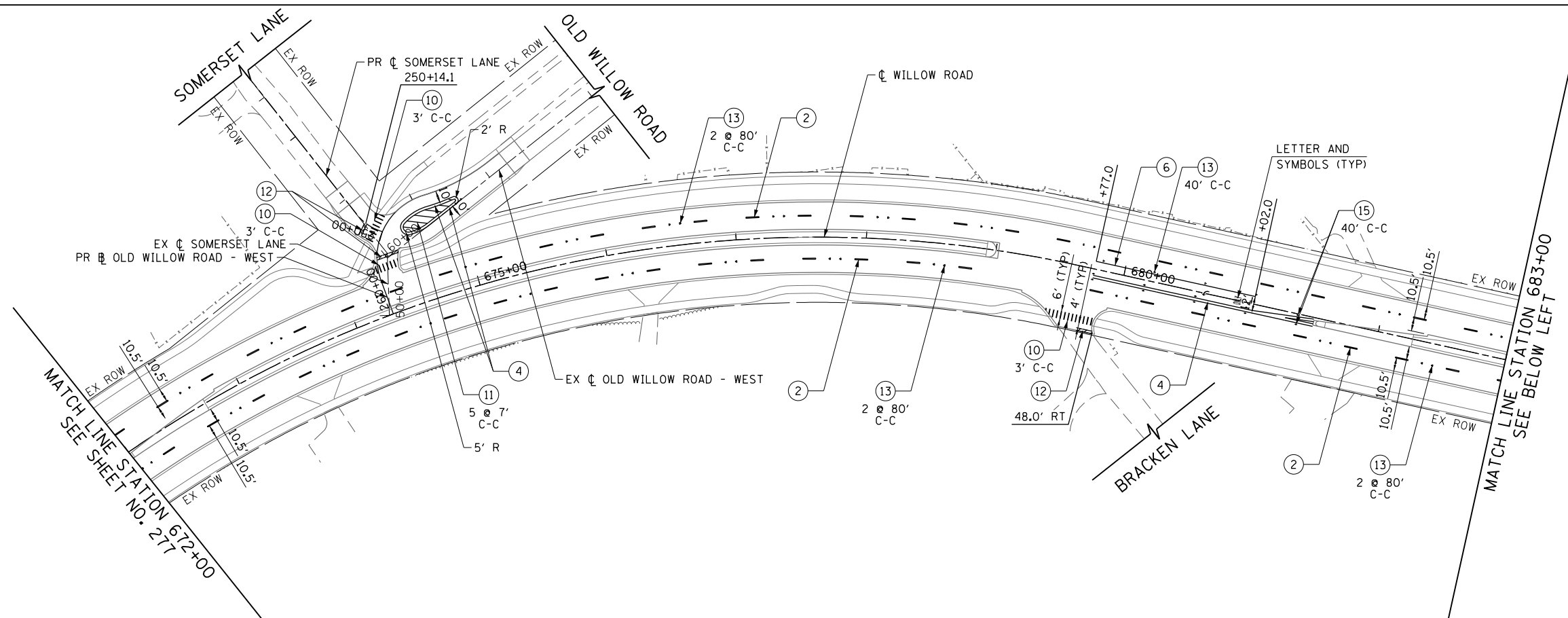
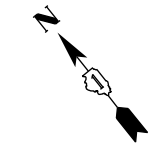
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		CHECKED - RCB	REVISED -
		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

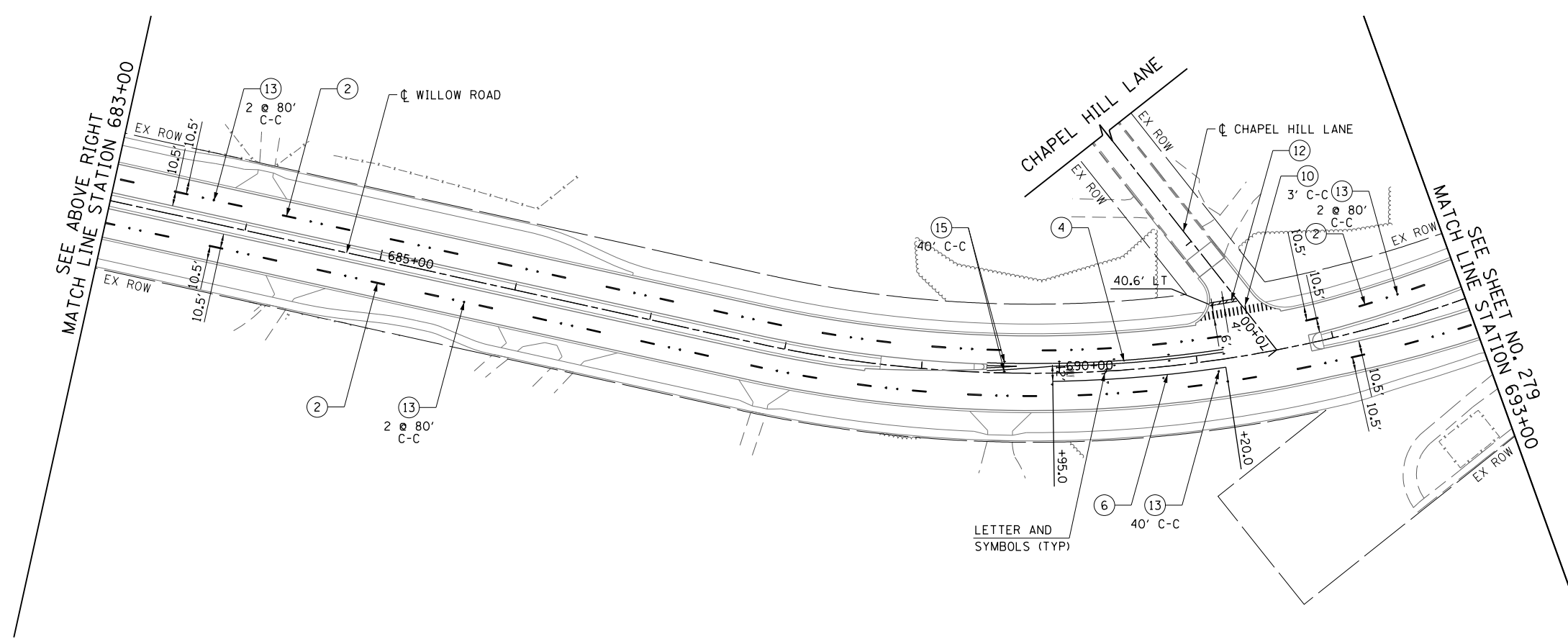
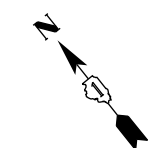
WILLOW ROAD PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 277 OF 919 SHEETS STA. 649+00 TO STA. 672+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	277
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

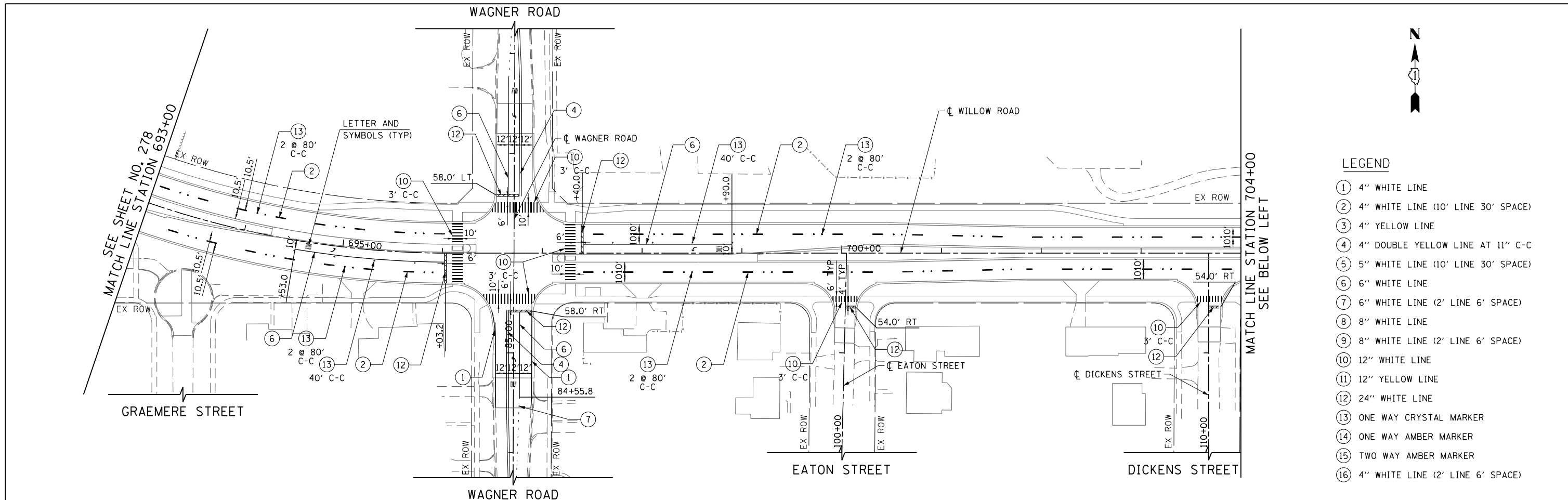


- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

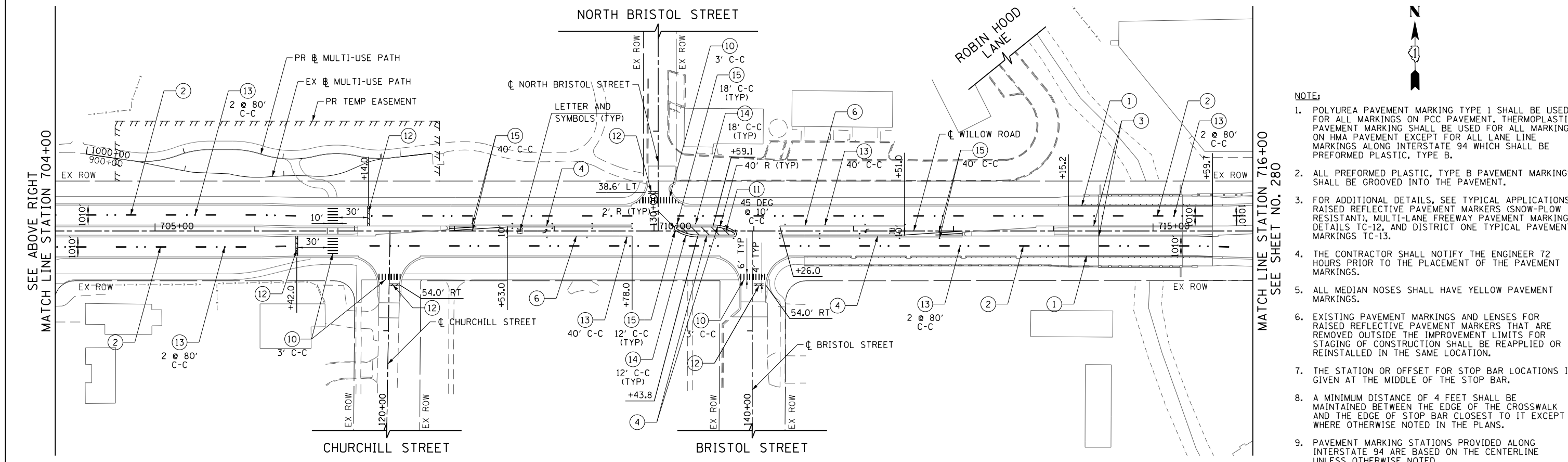


- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

FILE NAME = G:\CH11\0158\Road\Sheets\160T35-SHT-PMK04.dgn	USER NAME = BAW\rtort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD PAVEMENT MARKING PLAN	F.A.P. R.T.E. = 305	SECTION = (1920.01,1518,2022&1922,4BIR)	COUNTY = COOK	TOTAL SHEETS = 919	SHEET NO. = 278	
PLOT SCALE = 100.000' / in.	CHECKED - RCB	REVISIED -	SCALE: 1" = 50'			SHEET NO. 278 OF 919 SHEETS	STA. 672+00 TO STA. 693+00	CONTRACT NO. 60T35			
PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISIED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

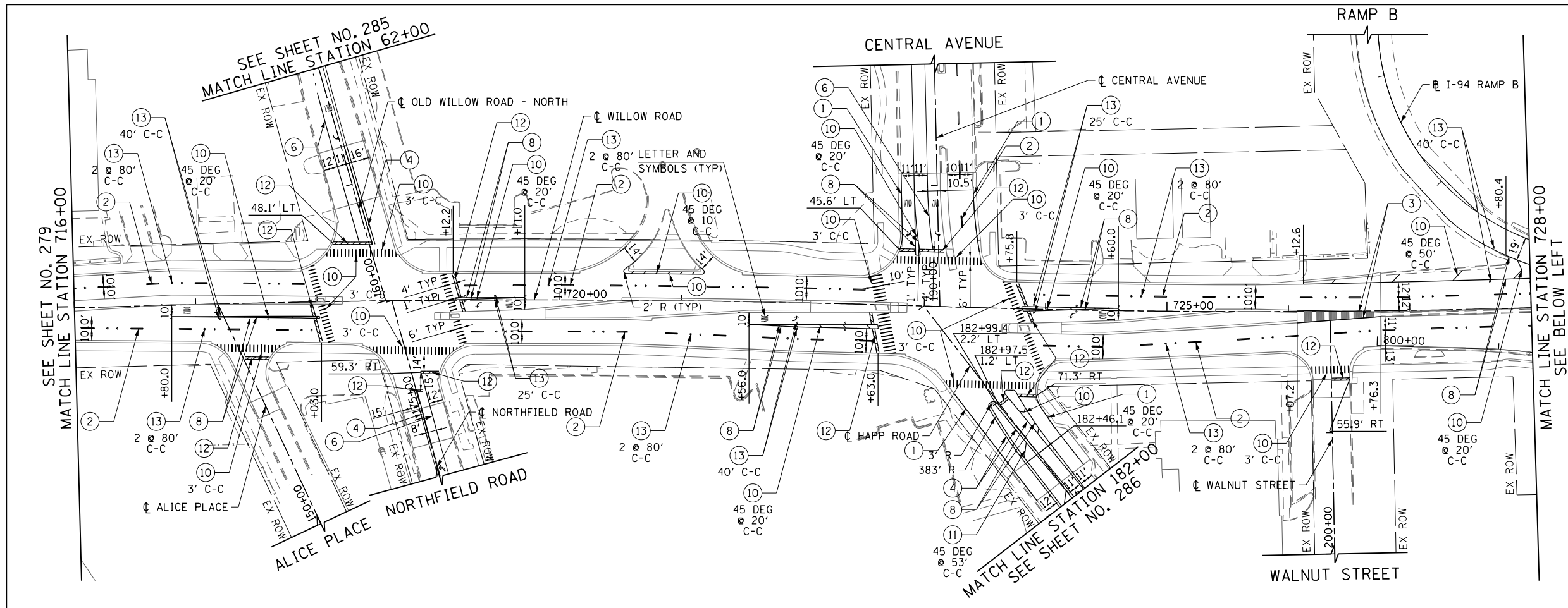


- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

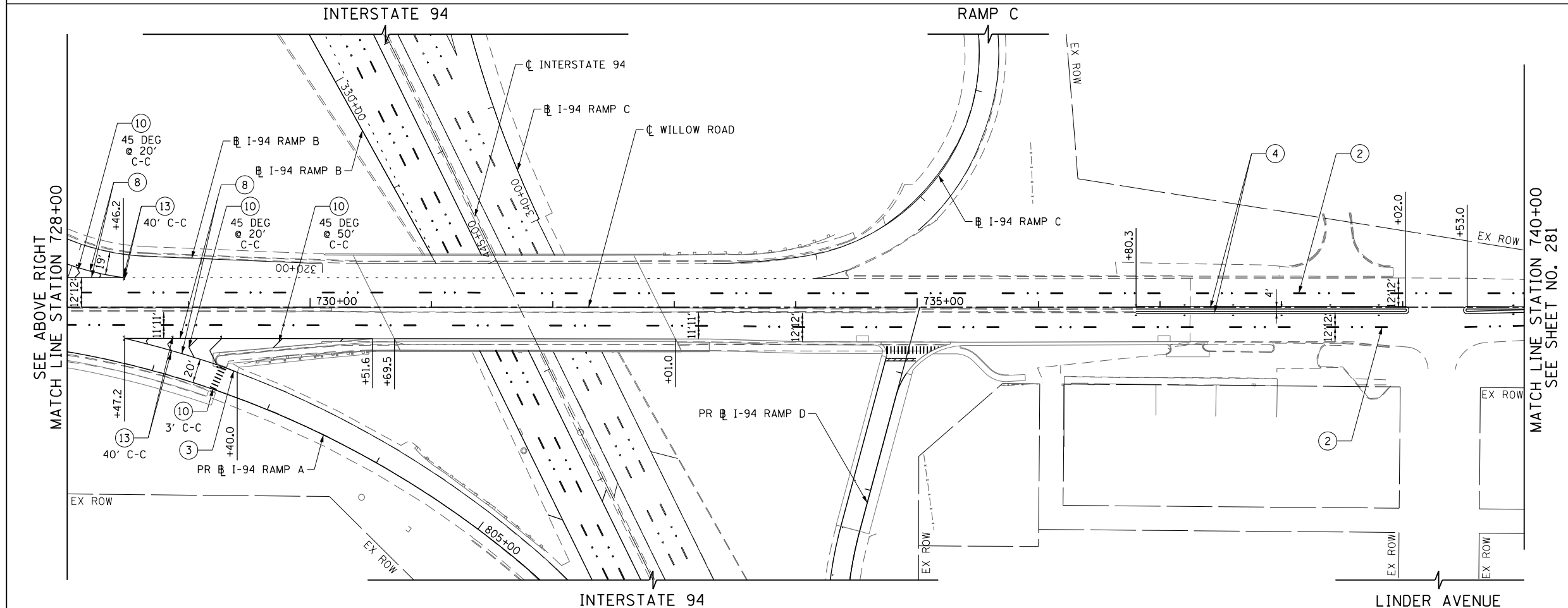


- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = BAWtor.t	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WILLOW ROAD PAVEMENT MARKING PLAN	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\0158\Road\Sheets\0160T35-SHT-PM05.dgn		DRAWN - KAL	REVISED -			305	(1920.01,1518,2022&1922,4BR)	COOK	919	279	
PLOT SCALE = 100.000' / in.		CHECKED - RCB	REVISED -			CONTRACT NO. 60T35					
PLOT DATE = 11/28/2012		DATE - 10/31/2012	REVISED -			SCALE: 1" = 50'	SHEET NO. 279 OF 919 SHEETS	STA. 693+00	TO STA. 716+00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)



- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PERFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

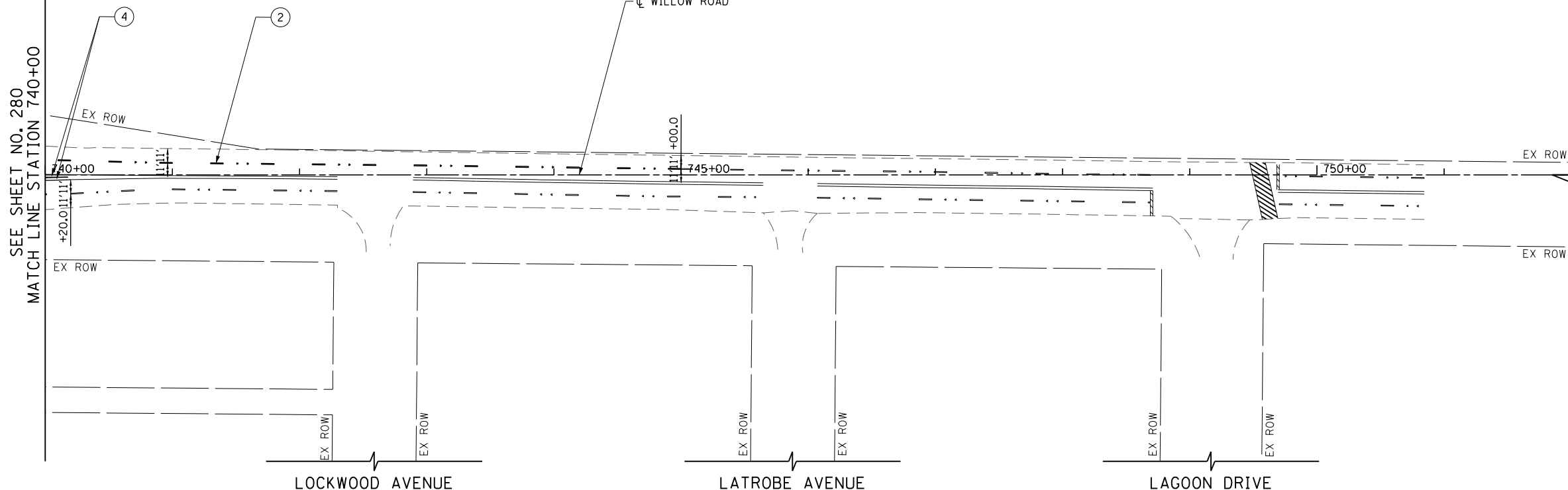
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PLOT DATE = 11/28/2012		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WILLOW ROAD PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 280 OF 919 SHEETS STA. 716+00 TO STA. 740+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	280
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



LEGEND

- ① 4" WHITE LINE
- ② 4" WHITE LINE (10' LINE 30' SPACE)
- ③ 4" YELLOW LINE
- ④ 4" DOUBLE YELLOW LINE AT 11" C-C
- ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
- ⑥ 6" WHITE LINE
- ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
- ⑧ 8" WHITE LINE
- ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
- ⑩ 12" WHITE LINE
- ⑪ 12" YELLOW LINE
- ⑫ 24" WHITE LINE
- ⑬ ONE WAY CRYSTAL MARKER
- ⑭ ONE WAY AMBER MARKER
- ⑮ TWO WAY AMBER MARKER
- ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

NOTE:

1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

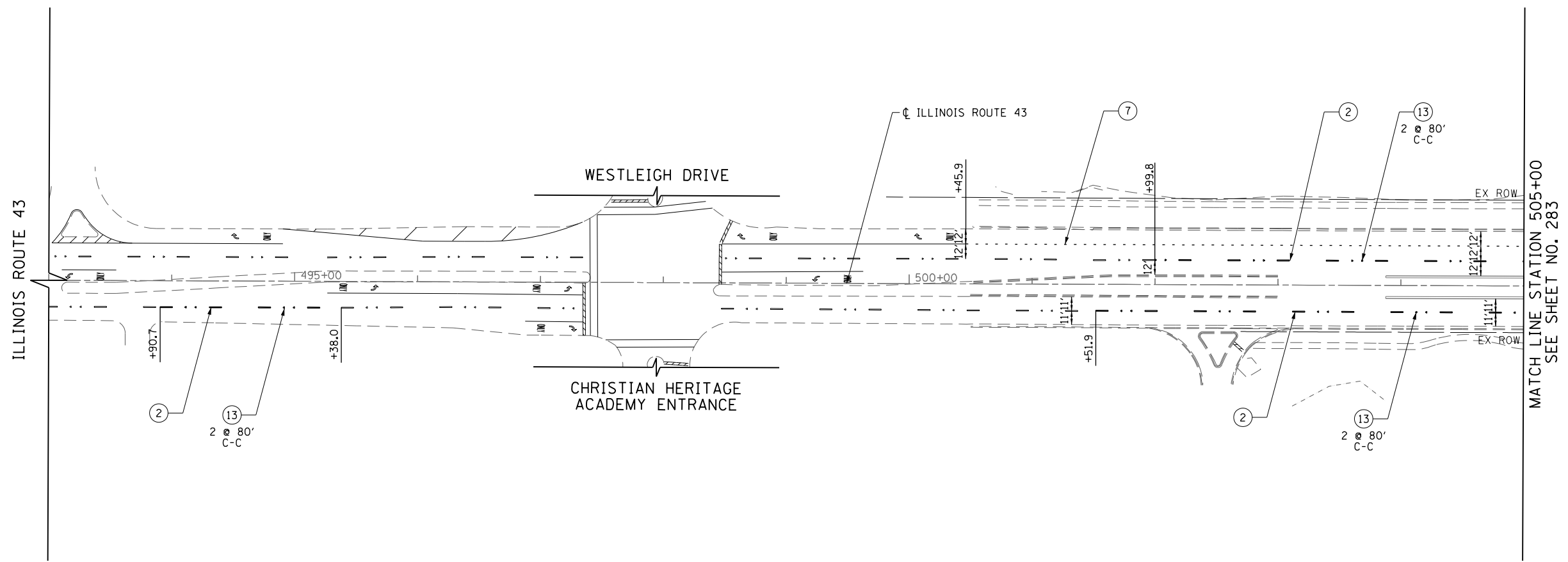
WILLOW ROAD PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 281 OF 919 SHEETS STA. 740+00 TO STA. 752+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922.4)BR	COOK	919	281
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

LEGEND

- ① 4" WHITE LINE
- ② 4" WHITE LINE (10' LINE 30' SPACE)
- ③ 4" YELLOW LINE
- ④ 4" DOUBLE YELLOW LINE AT 11" C-C
- ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
- ⑥ 6" WHITE LINE
- ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
- ⑧ 8" WHITE LINE
- ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
- ⑩ 12" WHITE LINE
- ⑪ 12" YELLOW LINE
- ⑫ 24" WHITE LINE
- ⑬ ONE WAY CRYSTAL MARKER
- ⑭ ONE WAY AMBER MARKER
- ⑮ TWO WAY AMBER MARKER
- ⑯ 4" WHITE LINE (2' LINE 6' SPACE)



NOTE:

1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

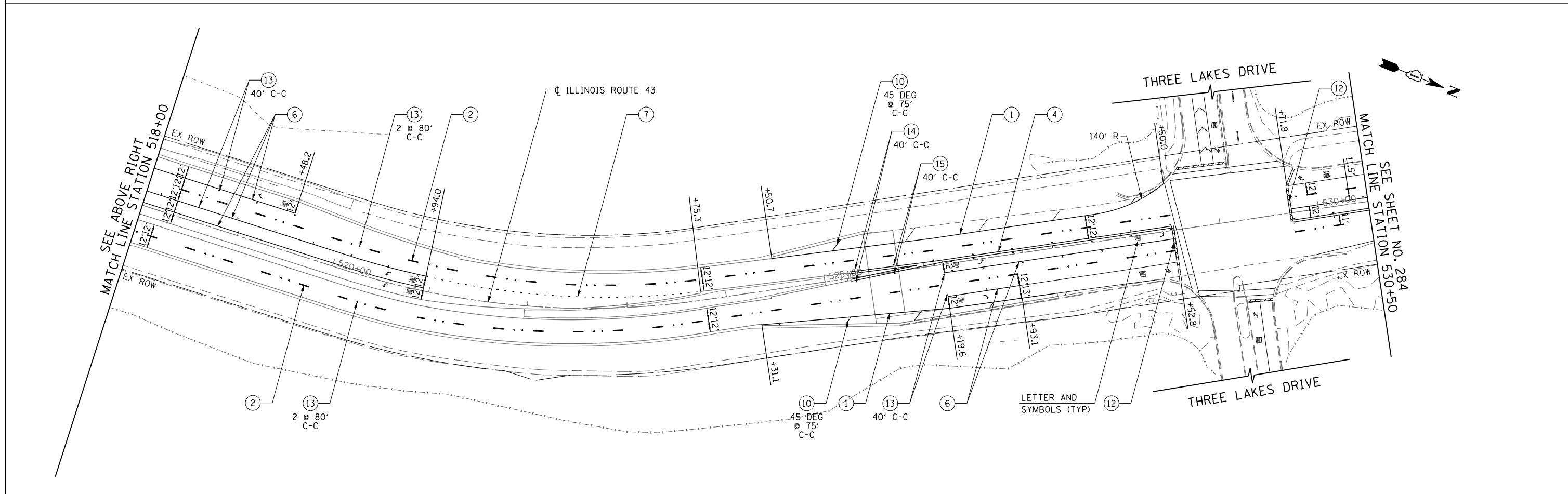
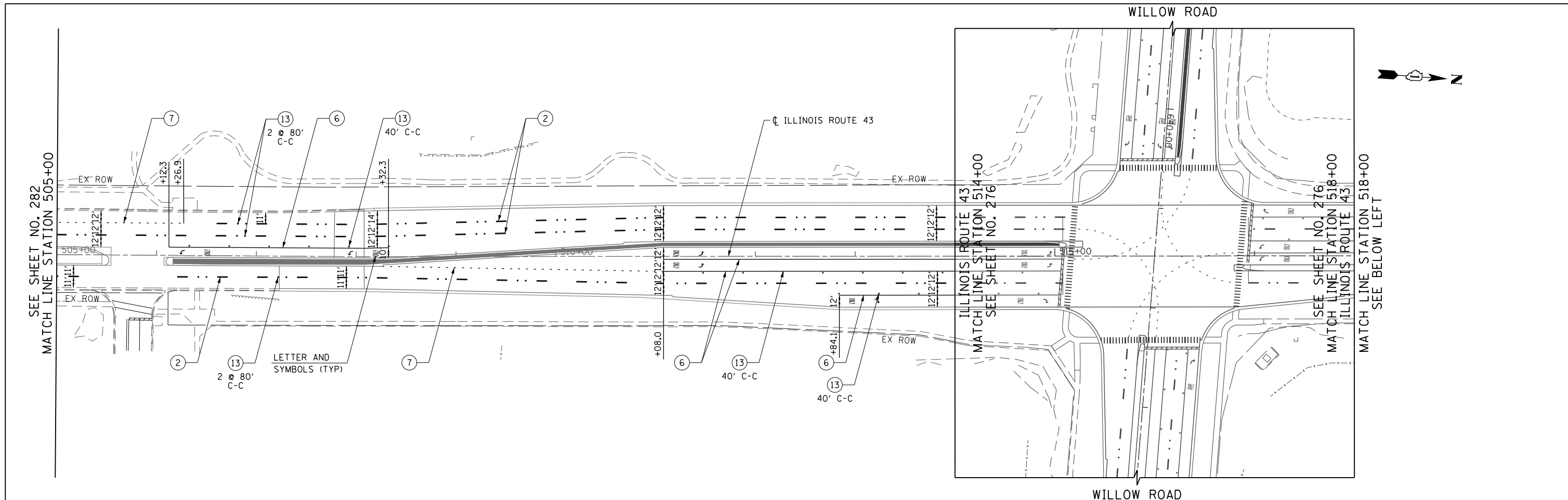
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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

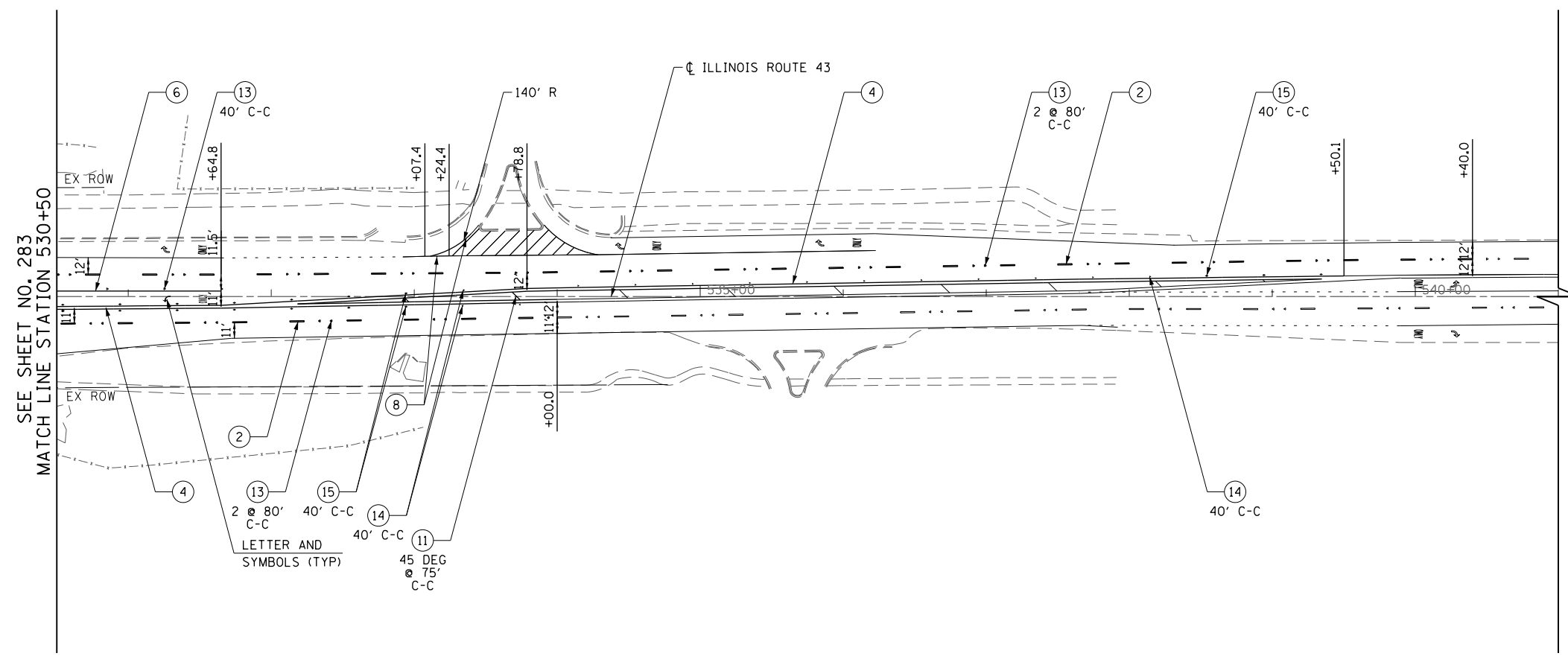
ILLINOIS ROUTE 43 PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 282 OF 919 SHEETS STA. 493+00 TO STA. 505+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4)BR	COOK	919	282
				CONTRACT NO. 60T35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 43 PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\0158\Road\Sheets\160T35-SHT-PM09.dgn	PLOT SCALE = 100.000' / in.	DRAWN - KAL	REVISED -			305	(1920.01,1518,2022&1922,4BR	COOK	919	283	
PLOT DATE = 11/1/2012	DATE - 10/31/2012	CHECKED - RCB	REVISED -			CONTRACT NO. 60T35					
		DATE - 10/31/2012	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

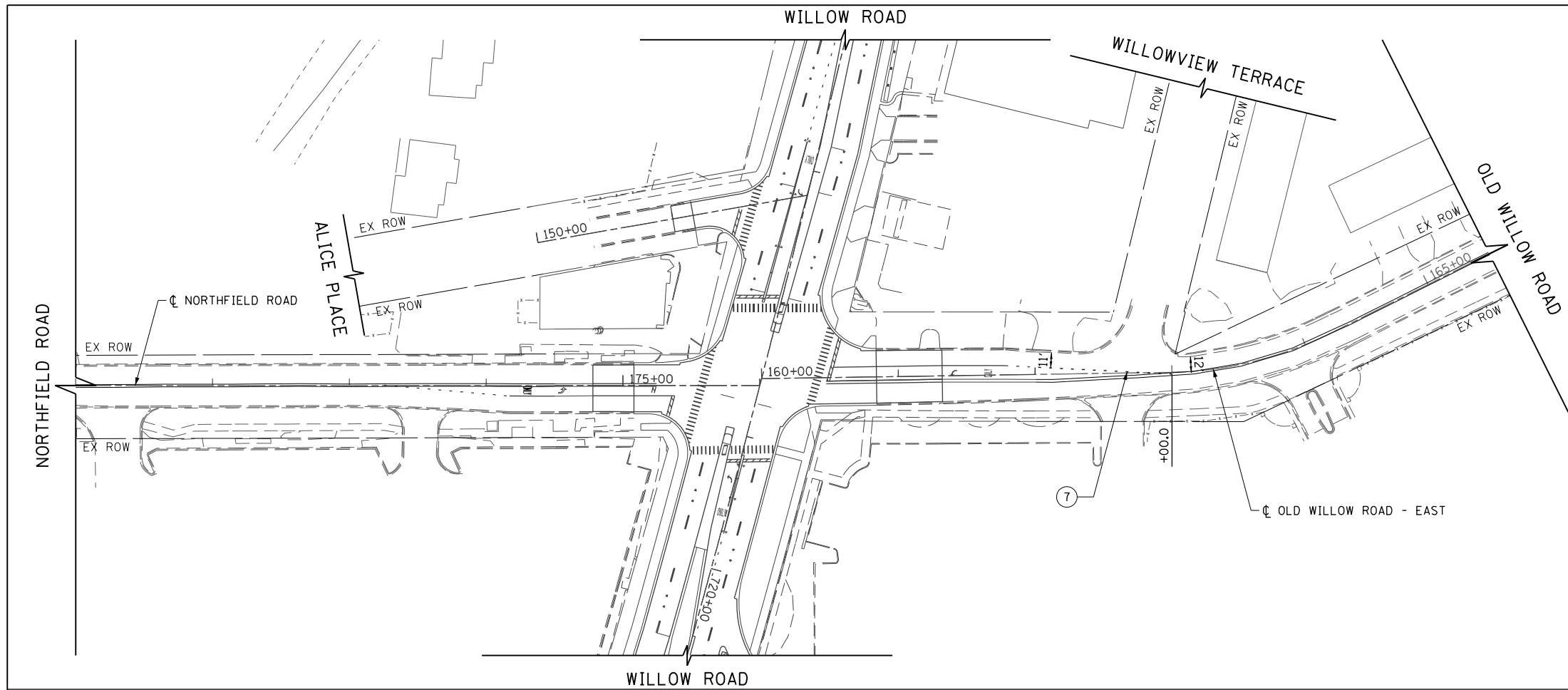
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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 43 PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 284 OF 919 SHEETS STA. 530+50 TO STA. 541+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	284
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS PRIOR TO THE PLACEMENT OF THE PAVEMENT MARKINGS.
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 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

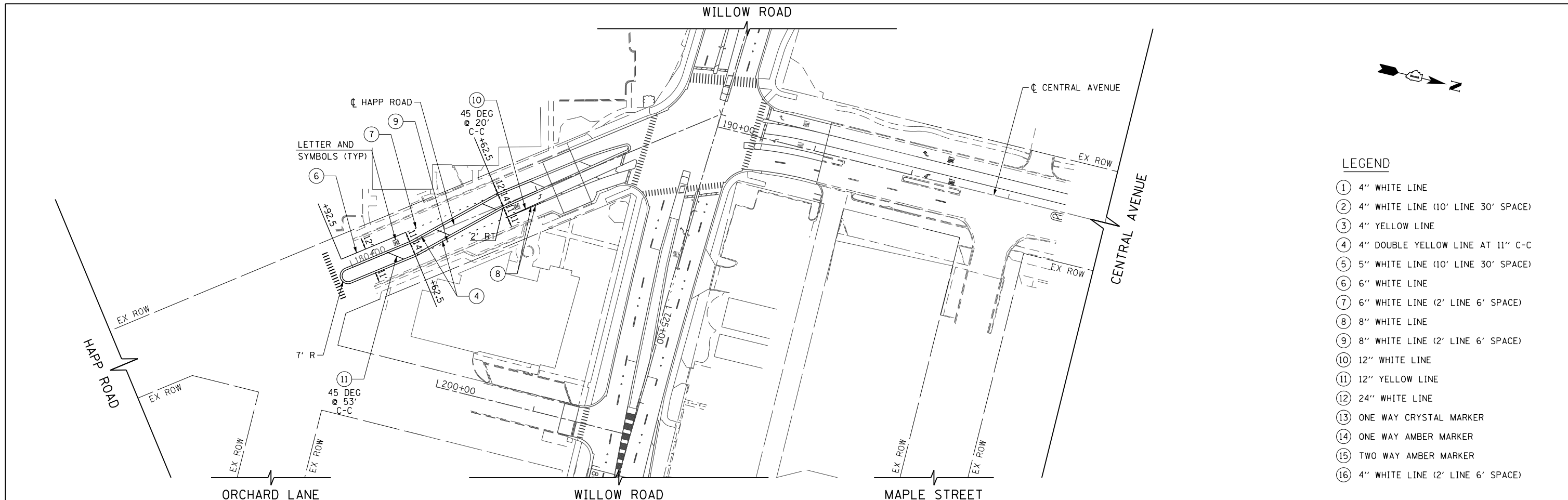
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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NORTHFIELD ROAD / OLD WILLOW ROAD PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 285 OF 919 SHEETS STA. 165+50 TO STA. 171+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4)BR	COOK	919	285
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	



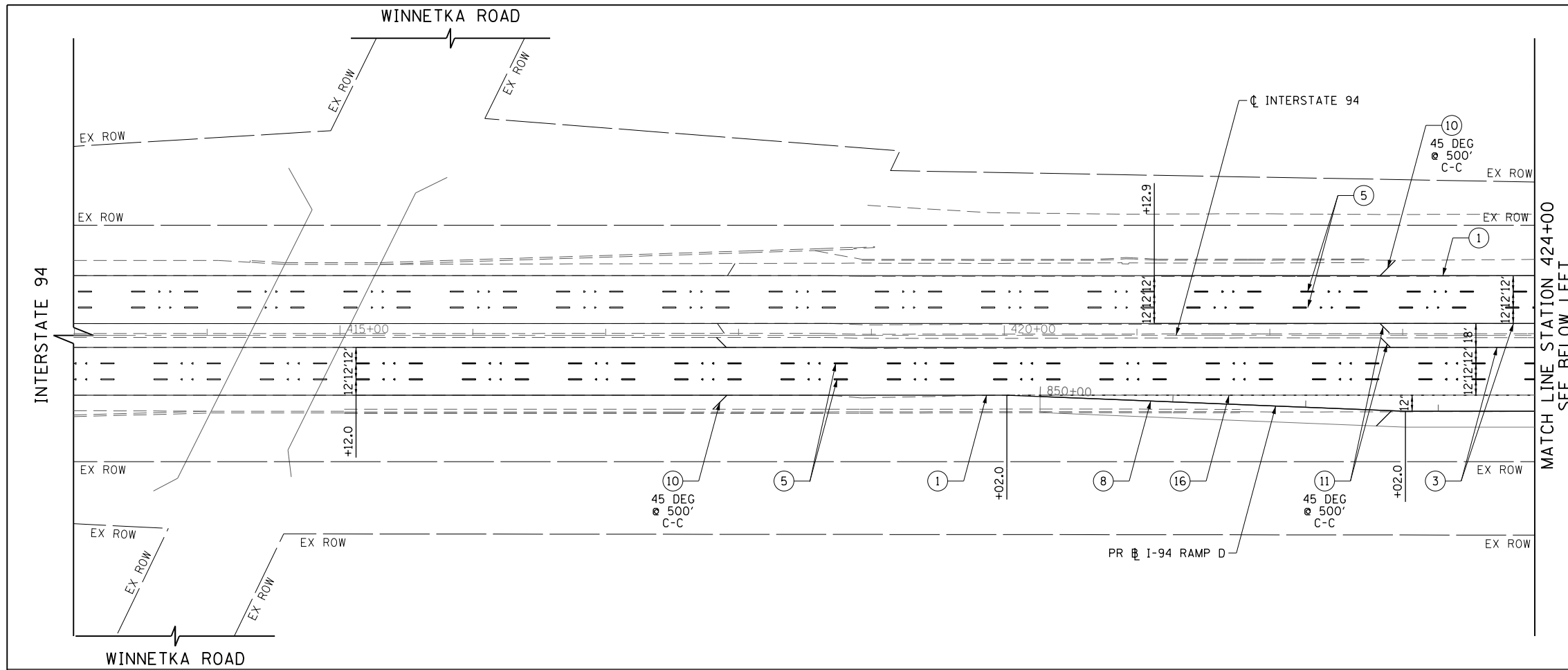
- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)

- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
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 6. EXISTING PAVEMENT MARKINGS AND LENSES FOR RAISED REFLECTIVE PAVEMENT MARKERS THAT ARE REMOVED OUTSIDE THE IMPROVEMENT LIMITS FOR STAGING OF CONSTRUCTION SHALL BE REAPPLIED OR REINSTALLED IN THE SAME LOCATION.
 7. THE STATION OR OFFSET FOR STOP BAR LOCATIONS IS GIVEN AT THE MIDDLE OF THE STOP BAR.
 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF THE CROSSWALK AND THE EDGE OF STOP BAR CLOSEST TO IT EXCEPT WHERE OTHERWISE NOTED IN THE PLANS.
 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

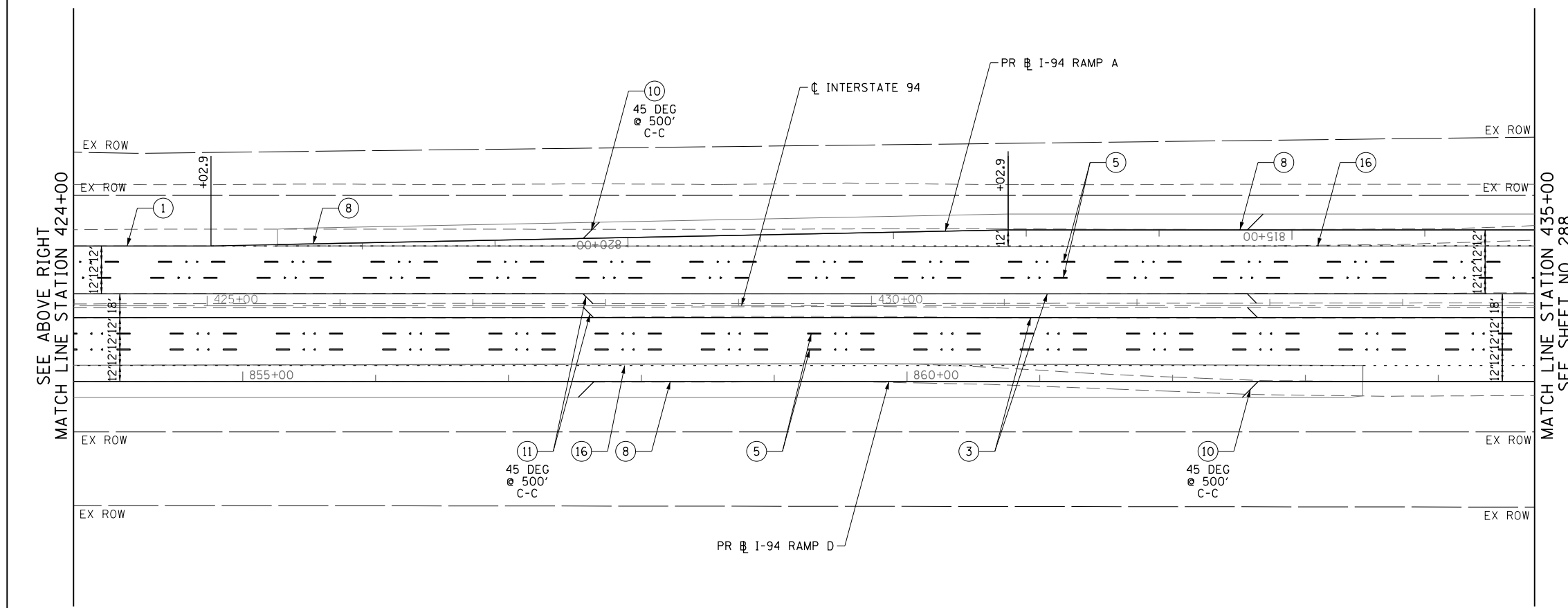
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	PLOT DATE = 11/1/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HAPP ROAD / CENTRAL AVENUE PAVEMENT MARKING PLAN		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1" = 50'		305	(1920.01,1518,2022&1922,4BR)	COOK	919	286
SHEET NO. 286 OF 919 SHEETS		STA. 180+00 TO STA. 194+00		CONTRACT NO. 60T35		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

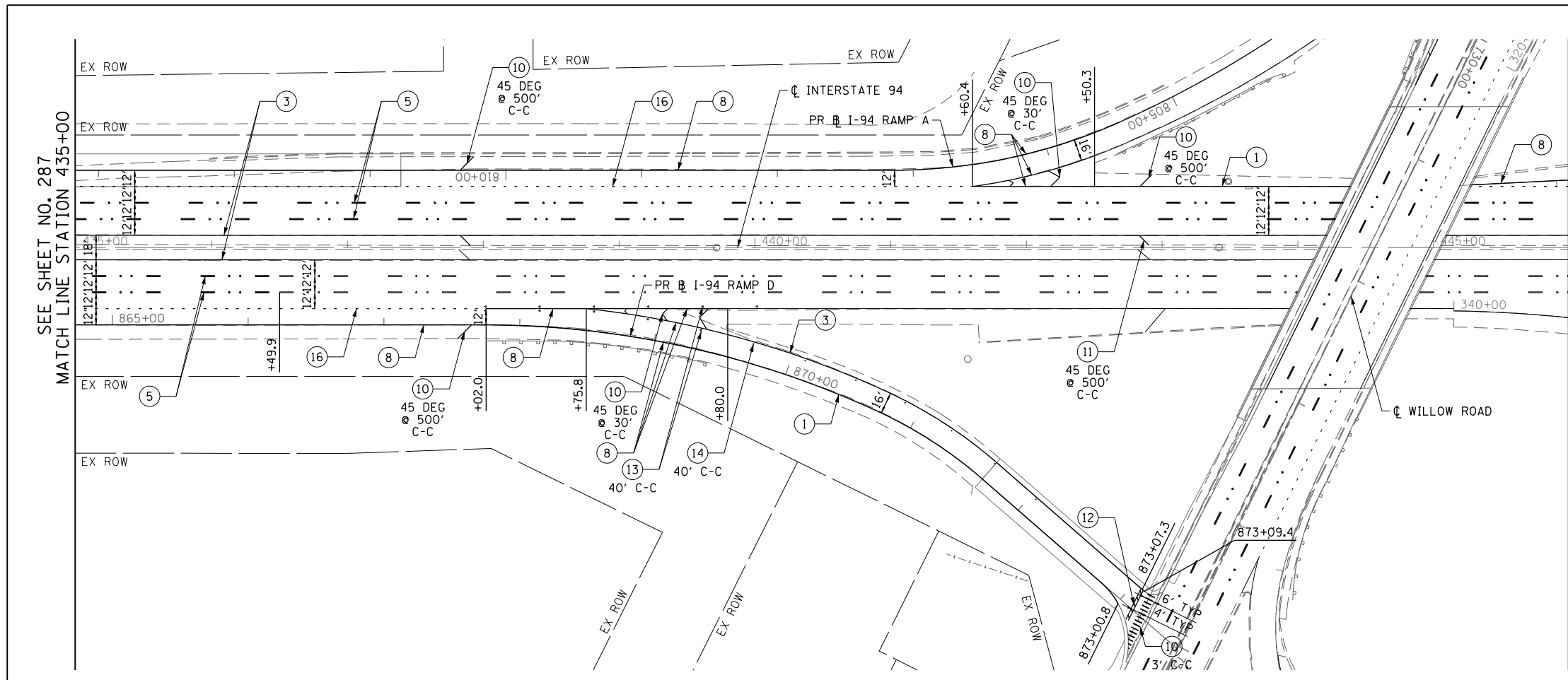


- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30' SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30' SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)



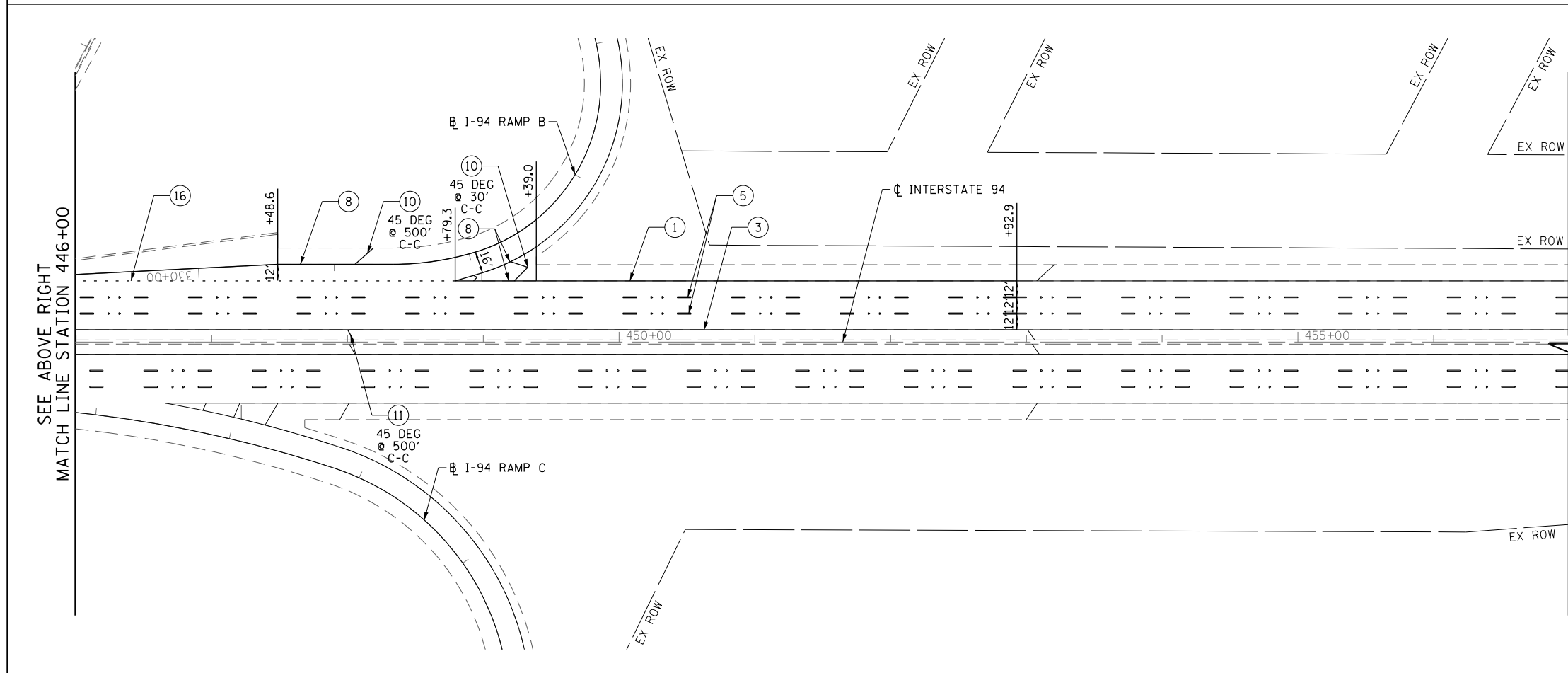
- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
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 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = BAW:ort	DESIGNED - JLV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSTATE 94 PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
G:\CH11\0158\Road\Sheets\0160T35-SHT-PM15.dgn		DRAWN - KAL	REVISED -			305	(1920.01,1518,2022&1922,4BIR	COOK	919	287	
PLOT SCALE = 100.0000' / in.		CHECKED - RCB	REVISED -			CONTRACT NO. 60T35					
PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -			SCALE: 1" = 50' SHEET NO. 287 OF 919 SHEETS STA. 413+00 TO STA. 435+00 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					



MATCH LINE STATION 446+00
SEE BELOW LEFT

- LEGEND**
- ① 4" WHITE LINE
 - ② 4" WHITE LINE (10' LINE 30" SPACE)
 - ③ 4" YELLOW LINE
 - ④ 4" DOUBLE YELLOW LINE AT 11" C-C
 - ⑤ 5" WHITE LINE (10' LINE 30" SPACE)
 - ⑥ 6" WHITE LINE
 - ⑦ 6" WHITE LINE (2' LINE 6' SPACE)
 - ⑧ 8" WHITE LINE
 - ⑨ 8" WHITE LINE (2' LINE 6' SPACE)
 - ⑩ 12" WHITE LINE
 - ⑪ 12" YELLOW LINE
 - ⑫ 24" WHITE LINE
 - ⑬ ONE WAY CRYSTAL MARKER
 - ⑭ ONE WAY AMBER MARKER
 - ⑮ TWO WAY AMBER MARKER
 - ⑯ 4" WHITE LINE (2' LINE 6' SPACE)



INTERSTATE 94

- NOTE:**
1. POLYUREA PAVEMENT MARKING TYPE 1 SHALL BE USED FOR ALL MARKINGS ON PCC PAVEMENT. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON HMA PAVEMENT EXCEPT FOR ALL LANE LINE MARKINGS ALONG INTERSTATE 94 WHICH SHALL BE PREFORMED PLASTIC, TYPE B.
 2. ALL PREFORMED PLASTIC, TYPE B PAVEMENT MARKINGS SHALL BE GROOVED INTO THE PAVEMENT.
 3. FOR ADDITIONAL DETAILS, SEE TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT), MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS TC-12, AND DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13.
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 9. PAVEMENT MARKING STATIONS PROVIDED ALONG INTERSTATE 94 ARE BASED ON THE CENTERLINE UNLESS OTHERWISE NOTED.

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PLOT DATE = 11/1/2012		DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSTATE 94 PAVEMENT MARKING PLAN

SCALE: 1" = 50' SHEET NO. 288 OF 919 SHEETS STA. 435+00 TO STA. 446+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	288
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60T35	

NOTE:

- SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
- ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
- EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
WILLOW ROAD (STA 625+00 TO STA 637+00)							
E1-1	LEFT TURN ONLY	POST MOUNTED (LANDSCAPED MEDIAN)	625+07	2.8'	LT	WB	SIGN AND POST TO REMAIN
E1-2	RIGHT TURN ONLY	POST MOUNTED (GROUND)	625+17	62.0'	LT	WB	SIGN AND POST TO REMAIN
E1-3	RIGHT LANE MUST TURN RIGHT	POST MOUNTED (GROUND)	626+75	61.8'	LT	WB	SIGN AND POST TO REMAIN
E1-4	ONE WAY	POST MOUNTED (LANDSCAPED MEDIAN)	628+64	13.9'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E1-5	STRIP MALL ENTRANCE	DUAL STONE POSTS	628+76	88.6'	LT	EB/WB	SIGN AND POST TO REMAIN
E1-6	(SHARED POST)	POST MOUNTED (GROUND)	629+14	81.1'	LT		POST TO REMAIN
E1-6a	STOP SIGN					SB	SIGN TO REMAIN
E1-6b	RIGHT TURN ONLY					SB	SIGN TO REMAIN
E1-7	SPEED LIMIT 40	POST MOUNTED (GROUND)	630+44	49.0'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E1-8	STRIP MALL ENTRANCE	DUAL STONE POSTS	630+46	88.8'	LT	EB/WB	SIGN AND POST TO REMAIN
E1-9	RIGHT LANE MUST TURN RIGHT	POST MOUNTED (GROUND)	631+98	50.3'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E1-10	RIGHT TURN ONLY	POST MOUNTED (GROUND)	633+43	61.9'	LT	WB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E1-11	RIGHT LANE MUST TURN RIGHT	POST MOUNTED (GROUND)	635+41	55.8'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
WILLOW ROAD (STA 637+00 TO STA 649+00)							
E2-1	(SHARED POST)	POST MOUNTED (GROUND)	637+18	44.6'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E2-1a	LOVE THE LAND OF LINCOLN					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-1b	ADOPT-A-HIGHWAY					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-1c	KEEP ILLINOIS CLEAN					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-2	RIGHT TURN ONLY	POST MOUNTED (GROUND)	638+09	56.2'	RT	EB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E2-3	(SHARED POST)	POST MOUNTED (GROUND)	638+40	91.6'	LT		POST TO REMAIN
E2-3a	NO SWIMMING					WB	SIGN TO REMAIN
E2-3b	NO SWIMMING					EB	SIGN TO REMAIN
E2-4	SPEED LIMIT 45	POST MOUNTED (GROUND)	639+19	42.2'	LT	WB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E2-5	ADDED LANE	POST MOUNTED (GROUND)	640+06	61.8'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E2-6	ILL ROUTE 43 / WAUKEGAN RD	MOUNTED ON SIGNAL POST MAST	640+42	45.5'	LT	WB	SIGN PANEL TO BE REMOVED
E2-7	(SHARED POST)	POST MOUNTED (GROUND)	640+51	117.4'	LT		POST TO REMAIN
E2-7a	NO SWIMMING					NB	SIGN TO REMAIN
E2-7b	NO SWIMMING					SB	SIGN TO REMAIN
E2-8	NO TURN ON RED	MOUNTED ON SIGNAL POST	640+73	61.0'	LT	SB	SIGN PANEL TO BE REMOVED
E2-9	(SHARED POST)	MOUNTED ON RED LIGHT CAMERA POST	640+78	83.8'	LT		CAMERA POST TO BE REMOVED BY OTHERS
E2-9a	NO TURN ON RED					SB	SIGN PANEL TO BE REMOVED
E2-9b	RIGHT TURN ONLY					SB	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-10	RED LIGHT PHOTO ENFORCED	WOOD POST MOUNTED (GROUND)	640+85	117.4'	LT	SB	SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS
E2-11	FOLDED STOP SIGN	POST MOUNTED (GROUND)	640+86	73.1'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E2-12	(SHARED POST)	MOUNTED ON SIGNAL POST (ISLAND)	640+93	43.9'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-12a	ILLINOIS 43					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-12b	DOUBLE ARROW					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-12c	FOLDED STOP SIGN					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-13	(SHARED POST)	MOUNTED ON SIGNAL POST (ISLAND)	640+93	43.9'	RT		SIGN PANEL ASSEMBLY TO BE REMOVED
E2-13a	WILLOW RD					SB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY
E2-13b	RED LIGHT PHOTO ENFORCED					SB	SIGN PANEL TO BE REMOVED BY OTHERS
E2-13c	ADDED LANE					SB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY
E2-13d	NO TURN ON RED					SB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY
E2-14	(SHARED POST)	POST MOUNTED (GROUND)	641+77	162.2'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E2-14a	NORTH					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-14b	ILLINOIS 43					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-15	(SHARED POST)	MOUNTED ON SIGNAL POST	641+83	65.9'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-15a	WILLOW RD					NB	SIGN PANEL TO BE REMOVED
E2-15b	RED LIGHT PHOTO ENFORCED					NB	SIGN PANEL TO BE REMOVED BY OTHERS
E2-15c	NO TURN ON RED					NB	SIGN PANEL TO BE REMOVED
E2-15d	ILLINOIS 43					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-15e	DOUBLE ARROW					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-16	(SHARED POST)	MOUNTED ON SIGNAL POST	641+94	66.7'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-16a	NO TURN ON RED					NB	SIGN PANEL TO BE REMOVED
E2-16b	FOLDED STOP SIGN					NB	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-17	RED LIGHT PHOTO ENFORCED	WOOD POST MOUNTED (GROUND)	641+99	168.0'	RT	NB	SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS
E2-18	(SHARED POST)	MOUNTED ON SIGNAL POST	642+05	51.8'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST
E2-18a	RIGHT TURN ONLY					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-18b	FOLDED STOP SIGN					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E2-19	ILL ROUTE 43 / WAUKEGAN RD	MOUNTED ON SIGNAL POST	642+18	44.7'	RT	EB	SIGN PANEL TO BE REMOVED
E2-20	KRAFT SIGN	STONE BASE	642+39	99.5'	LT	EB	SIGN AND BASE TO REMAIN
E2-21	SPEED LIMIT 40	POST MOUNTED (GROUND)	643+00	39.3'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E2-22	NORTHFIELD SIGN	DUAL STONE POSTS	643+01	115.4'	RT	EB	SIGN AND POST TO REMAIN

NOTE:

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EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
E2-23	(SHARED POST)	POST MOUNTED (GROUND)	643+75	39.3'	RT		
E2-23a	NO PARKING SNOW ROUTE				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E2-23b	NO PARKING ON ANY VILLAGE STREET HOURS				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 36"
E2-24	RIGHT TURN LANE	POST MOUNTED (GROUND)	644+53	49.9'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED
E2-25	(SHARED POST)	POST MOUNTED (GROUND)	644+87	37.2'	RT		
E2-25a	LOVE THE LAND OF LINCOLN				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 36"
E2-25b	ADOPT-A-HIGHWAY				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 18"
E2-25c	KEEP ILLINOIS CLEAN				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	50" x 25"
E2-26	BUCKLE UP	DUAL POST MOUNTED (GROUND)	646+16	37.0'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
WILLOW ROAD (STA 649+00 TO STA 661+00)							
E3-1	(SHARED POST)	POST MOUNTED (GROUND)	651+67	142.7'	RT		
E3-1a	STOP SIGN				WB	SIGN TO REMAIN	30" x 30"
E3-1b	2-WAY				WB	SIGN TO REMAIN	18" x 6"
E3-2	NEIGHBORHOOD SPEED 20	POST MOUNTED (GROUND)	651+91	143.1'	RT	WB	SIGN AND POST TO REMAIN
E3-3	(SHARED POST)	MOUNTED ON SIGNAL POST MAST	651+97	44.2'	LT		
E3-3a	THREE LAKES DRIVE				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	48" x 30"
E3-3b	THREE LAKES DRIVE				WB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	48" x 30"
E3-4	KEEP RIGHT	MOUNTED ON DECORATIVE STREET LIGHT POLE	652+02	164.7'	RT	EB	SIGN AND POLE TO REMAIN
E3-5	(SHARED POST)	POST MOUNTED (CONCRETE MEDIAN)	652+33	5.9'	LT		
E3-5a	LEFT TURN ONLY				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-5b	KEEP RIGHT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-6	(SHARED POST)	MOUNTED ON SIGNAL POST	652+36	40.0'	RT		
E3-6a	DO NOT BLOCK INTERSECTION				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-6b	FOLDED STOP SIGN				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E3-7	(SHARED POST)	POST MOUNTED (GROUND)	652+43	73.1'	LT		
E3-7a	THREE LAKES DR				WB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	36" x 10"
E3-7b	WILLOW RD				SB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	36" x 10"
E3-8	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	652+47	81.2'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E3-9	WILLOW RD	MOUNTED ON SIGNAL POST MAST	652+60	52.5'	RT	SB	SIGN PANEL TO BE REMOVED
E3-10	(SHARED POST)	POST MOUNTED (GROUND)	652+63	97.6'	LT		
E3-10a	FIRE LANE				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-10b	FOR ACCESS TO THIS AREA				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-11	AREA MONITORED	POST MOUNTED (GROUND)	652+75	135.5'	LT	SB	SIGN AND POST TO REMAIN
E3-12	KRAFT ENTRANCE SIGN	DUAL POST MOUNTED (LANDSCAPED MEDIAN)	653+13	111.5'	LT	NB	SEE NOTE 2
E3-13	(SHARED POST)	DECORATIVE POST MOUNTED (LANDSCAPED MEDIAN)	653+19	67.6'	RT		
E3-13a	FOX MEADOW				EB	SIGN TO REMAIN	32" x 37"
E3-13b	TO EDGEWOOD LN				EB	SIGN TO REMAIN	32" x 18"
E3-14	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	653+55	57.5'	RT	NB	SIGN PANEL TO BE RELOCATED
E3-15	WILLOW RD	MOUNTED ON SIGNAL POST MAST	653+65	99.9'	LT	NB	SIGN PANEL TO BE REMOVED
E3-16	DO NOT BLOCK INTERSECTION	MOUNTED ON SIGNAL POST	653+82	43.2'	RT	EB	SIGN PANEL TO BE RELOCATED ON NEW SIGNAL POST
E3-17	(SHARED POST)	MOUNTED ON SIGNAL POST	654+06	61.8'	LT		
E3-17a	RIGHT TURN ONLY				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 36"
E3-17b	FOLDED STOP SIGN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E3-18	(SHARED POST)	POST MOUNTED (CONCRETE MEDIAN)	654+14	5.6'	RT		
E3-18a	KEEP RIGHT				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-18b	LEFT TURN ONLY				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E3-19	LANE ENDS	POST MOUNTED (GROUND)	654+62	37.1'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E3-20	DIVIDED HIGHWAY ENDS	POST MOUNTED (GROUND)	656+61	38.1'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E3-21	RIGHT TURN LANE	POST MOUNTED (GROUND)	657+13	51.2'	LT	WB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E3-22	SPEED LIMIT 40	CIRCULAR POST MOUNTED (GROUND)	658+16	49.7'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED
E3-23	KEEP RIGHT	CIRCULAR POST MOUNTED (LANDSCAPED MEDIAN)	658+19	0.8'	RT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED
E3-24	SPEED LIMIT 35	POST MOUNTED (GROUND)	658+28	38.2'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E3-25	SCHOOL CROSSING	POST MOUNTED (GROUND)	660+31	37.8'	RT	EB	SIGN PANEL ASSEMBLY TO BE RELOCATED
WILLOW ROAD (STA 661+00 TO STA 672+00)							
E4-1	STOP SIGN	MOUNTED ON METAL GATE	661+54	79.9'	LT	NB	SIGN TO REMAIN
E4-2	SPEED LIMIT 35	POST MOUNTED (GROUND)	664+02	46.5'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED
E4-3	LUTHERAN CHURCH OF THE ASCENSION	NONE - SIGN IS A STONE BLOCK	664+34	106.9'	RT	SB	SIGN TO REMAIN
E4-4	(SHARED POST)	MOUNTED ON SIGNAL POST	664+60	46.6'	LT		
E4-4a	SUNSET RIDGE RD				WB	SIGN PANEL TO BE REMOVED	60" x 18"
E4-4b	NO TURN ON RED				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E4-4c	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E4-5	PACE BUS STOP	POST MOUNTED (GROUND)	664+66	30.8'	RT	EB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E4-6	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	664+74	28.3'	RT	EB	SIGN PANEL TO BE RELOCATED ON NEW SIGNAL POST

NOTE:

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EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H	
E4-7	(SHARED POST)	MOUNTED ON SIGNAL POST	664+89	52.1'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST		
E4-7a	SCHOOL CROSSING				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"	
E4-7b	ARROW				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"	
E4-7c	NO TURN ON RED				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"	
E4-7d	FOLDED STOP SIGN				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"	
E4-8	(SHARED POST)	MOUNTED ON SIGNAL POST	665+42	48.4'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST		
E4-8a	SCHOOL CROSSING				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"	
E4-8b	ARROW				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"	
E4-8c	NO TURN ON RED WHEN PEDESTRIANS PRESENT				NB	SIGN PANEL TO BE REMOVED	24" x 30"	
E4-8d	FOLDED STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"	
E4-9	(SHARED POST)	POST MOUNTED (GROUND)	665+51	137.7'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED		
E4-9a	SCHOOL SPEED ZONE AHEAD				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"	
E4-9b	20 M.P.H.				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	18" x 18"	
E4-10	ELECTRONIC SHELL STATION SIGN	TWO LARGE METAL POSTS (GROUND)	665+58	58.6'	RT	EB	SIGN AND POST TO REMAIN	- x -
E4-11	SUNSET RIDGE RD	MOUNTED ON SIGNAL POST	665+74	40.8'	RT	EB	SIGN PANEL TO BE REMOVED	60" x 18"
E4-12	(SHARED POST)	POST MOUNTED (GROUND)	665+74	23.6'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E4-12a	SCHOOL CROSSING				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"	
E4-12b	ARROW				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"	
E4-13	(SHARED POST)	MOUNTED ON SIGNAL POST	665+72	28.7'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST		
E4-13a	SCHOOL CROSSING				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"	
E4-13b	ARROW				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"	
E4-13c	NO TURN ON RED				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"	
E4-13d	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"	
E4-13e	FOLDED STOP SIGN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"	
E4-14	EPISCOPAL CHURCH	DECORATIVE POST MOUNTED (GROUND)	665+78	43.6'	LT	WB	SEE NOTE 2	24" x 30"
E4-15	(SHARED POST)	POST MOUNTED (GROUND)	666+86	21.0'	RT		SIGN PANEL ASSEMBLY TO BE REMOVED	
E4-15a	SPEED LIMIT 35				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 36"	
E4-15b	NO PARKING ALONG HIGHWAY				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	12" x 18"	
E4-16	NO PARKING ALONG HIGHWAY	POST MOUNTED (GROUND)	667+52	32.9'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E4-17	NO PARKING ALONG HIGHWAY	POST MOUNTED (GROUND)	667+75	29.4'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E4-18	(SHARED POST)	POST MOUNTED (GROUND)	668+78	29.2'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E4-18a	HORIZONTAL ALIGNMENT CURVE				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"	
E4-18b	NO PARKING ALONG HIGHWAY				EB	SIGN PANEL TO BE REMOVED	12" x 18"	
E4-19	(SHARED POST)	POST MOUNTED (GROUND)	669+09	23.3'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E4-19a	NO PASSING ZONE				EB	SIGN PANEL TO BE REMOVED	42" x 34"	
E4-19b	SCHOOL CROSSING				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"	
E4-20	WHITTIER LANE PRIVATE OUTLET	DECORATIVE POST MOUNTED (GROUND)	669+76	38.7'	RT	EB	SEE NOTE 2	27" x 30"
E4-21	STOP SIGN	POST MOUNTED (GROUND)	670+07	53.4'	RT	NB	SIGN AND POST TO REMAIN	30" x 30"
E4-22	SPEED LIMIT 35	POST MOUNTED (GROUND)	671+01	22.4'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"
WILLOW ROAD (STA 672+00 TO STA 683+00)								
E5-1	(SHARED POST)	POST MOUNTED (GROUND)	672+39	19.0'	RT		SIGN PANEL ASSEMBLY TO BE REMOVED	
E5-1a	NO LEFT TURN				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	36" x 36"	
E5-1b	NO LEFT TURN HOURS				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	36" x 36"	
E5-2	(SHARED POST)	POST MOUNTED (GROUND)	673+90	42.2'	LT		SIGN PANEL ASSEMBLY TO BE REMOVED	
E5-2a	NO LEFT TURN				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 30"	
E5-2b	NO LEFT TURN HOURS				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 24"	
E5-2c	OLD WILLOW RD WITH ARROW				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 30"	
E5-2d	STOP SIGN (BLACK FRAME AROUND 1ST 3 LETTERS)				WB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 30"	
E5-3	SOMERSET LANE	DECORATIVE POST MOUNTED (GROUND)	674+08	70.6'	LT	WB	SEE NOTE 2	24" x 48"
E5-4	(SHARED POST)	POST MOUNTED (GROUND)	674+17	78.1'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E5-4a	STOP SIGN				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"	
E5-4b	SLOW CHILDREN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	18" x 24"	
E5-5	NO OUTLET	POST MOUNTED (GROUND)	674+39	90.9'	LT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 30"
E5-6	(SHARED POST)	POST MOUNTED (GROUND)	674+75	38.4'	LT		SIGN PANEL ASSEMBLY TO BE REMOVED	
E5-6a	NO LEFT TURN				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 30"	
E5-6b	NO LEFT TURN HOURS				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 24"	
E5-7	SPEED LIMIT 20	POST MOUNTED (GROUND)	675+24	62.1'	LT	EB	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E5-8	DO NOT DRIVE ON SHOULDER	POST MOUNTED (GROUND)	675+47	20.9'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 24"
E5-9	SPEED LIMIT 35	POST MOUNTED (GROUND)	679+22	27.6'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"
E5-10	BRACKEN LANE	DECORATIVE POST MOUNTED (GROUND)	679+60	53.8'	RT	EB	SIGN AND POST TO REMAIN	48" x 32"
E5-11	STOP SIGN	POST MOUNTED (GROUND)	679+89	48.9'	RT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 30"
WILLOW ROAD (STA 683+00 TO STA 693+00)								
E6-1	HORIZONTAL ALIGNMENT CURVE	POST MOUNTED (GROUND)	684+52	24.2'	LT	WB	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 30"
E6-2	DO NOT DRIVE ON SHOULDER	POST MOUNTED (GROUND)	686+45	25.8'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 24"
E6-3	SPEED LIMIT 35	POST MOUNTED (GROUND)	687+18	21.2'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"

NOTE:

- SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
- ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
- EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
E6-4	(SHARED POST)	CIRCULAR POST MOUNTED (GROUND)	691+15	36.9'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E6-4a	CHAPEL HILL LN				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 10"
E6-4b	STOP SIGN				SB	SIGN PANEL TO BE REMOVED	30" x 30"
E6-5	SCHOOL CROSSING	POST MOUNTED (GROUND)	691+18	22.7'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	36" x 36"
E6-6	(SHARED POST)	POST MOUNTED (GROUND)	691+46	56.5'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E6-6a	NO OUTLET				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	33" x 33"
E6-6b	SLOW CHILDREN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	18" x 24"
WILLOW ROAD (STA 693+00 TO STA 704+00)							
E7-1	RED LIGHT PHOTO ENFORCED	WOOD POST MOUNTED (GROUND)	694+99	24.6'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS	36" x 36"
E7-2	NORTHFIELD COMMUNITY NURSERY SCHOOL	DUAL POST MOUNTED (GROUND)	695+59	67.7'	LT	SIGN AND POST TO REMAIN	66" x 30"
E7-3	SPEED LIMIT 35	POST MOUNTED (GROUND)	695+61	32.5'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"
E7-4	NORTHFIELD COMMUNITY CHURCH	STONE BASE	696+13	65.8'	LT	SIGN AND POST TO REMAIN	128" x 79"
E7-5	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	696+30	27.5'	RT	SIGN PANEL TO BE RELOCATED ON NEW SIGNAL POST	30" x 30"
E7-6	(SHARED POST)	MOUNTED ON SIGNAL POST	696+31	47.1'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E7-6a	RED LIGHT PHOTO ENFORCED				WB	SIGN PANEL TO BE REMOVED BY OTHERS	30" x 30"
E7-6b	NO TURN ON RED				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E7-6c	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E7-7	(SHARED POST)	MOUNTED ON SIGNAL POST	696+42	47.3'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E7-7a	NO TURN ON RED				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E7-7b	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E7-7c	FOLDED STOP SIGN				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E7-8	SPEED LIMIT 35	DUAL POST MOUNTED (GROUND)	696+46	105.5'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 36"
E7-9	NO PARKING THIS SIDE OF STREET	POST MOUNTED (GROUND)	696+49	143.6'	LT	SIGN AND POST TO REMAIN	12" x 18"
E7-10	(SHARED POST)	POST MOUNTED (GROUND)	696+95	74.3'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E7-10a	SCHOOL CROSSING				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E7-10b	AHEAD				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E7-11	SCHOOL SPEED LIMIT 20	POST MOUNTED (GROUND)	696+96	136.6'	LT	SIGN AND POST TO REMAIN	24" x 48"
E7-12	(SHARED POST)	MOUNTED ON SIGNAL POST	696+96	54.3'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E7-12a	NO TURN ON RED				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E7-12b	FOLDED STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E7-13	SPEED LIMIT 20	POST MOUNTED (GROUND)	696+97	94.6'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	18" x 24"
E7-14	(SHARED POST)	MOUNTED ON SIGNAL POST	697+00	51.3'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	
E7-14a	NO TURN ON RED				NB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	24" x 24"
E7-14b	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				NB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	24" x 12"
E7-15	(SHARED POST)	MOUNTED ON SIGNAL POST	697+13	36.9'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	
E7-15a	WAGNER RD				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	44" x 18"
E7-15b	RED LIGHT PHOTO ENFORCED				EB	SIGN PANEL TO BE REMOVED BY OTHERS	36" x 36"
E7-16	(SHARED POST)	MOUNTED ON SIGNAL POST	697+15	36.9'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E7-16a	NO TURN ON RED				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E7-16b	ON SCHOOL DAY WHEN CHILDREN ARE PRESENT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E7-16c	FOLDED STOP SIGN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E7-17	(SHARED POST)	POST MOUNTED (GROUND)	697+19	32.5'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E7-17a	SCHOOL CROSSING				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E7-17b	ARROW				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E7-17c	STOP HERE ON RED				WB	SIGN PANEL TO BE REMOVED	24" x 30"
E7-18	(SHARED POST)	POST MOUNTED (GROUND)	697+20	26.8'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E7-18a	SCHOOL CROSSING				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E7-18b	ARROW				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E7-19	WILLOW PARK	DUAL STONE POSTS	697+45	57.0'	LT	SIGN AND POST TO REMAIN	58" x 21"
E7-20	(SHARED POST)	POST MOUNTED (GROUND)	698+28	23.8'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	
E7-20a	SPEED LIMIT 35				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 36"
E7-20b	NO PARKING ANY TIME				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	12" x 18"
E7-21	NO PARKING ANY TIME	CIRCULAR POST MOUNTED (GROUND)	698+31	35.5'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E7-22	RED LIGHT PHOTO ENFORCED	WOOD POST MOUNTED (GROUND)	698+47	31.4'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS	36" x 36"
E7-23	NO PARKING ANY TIME	CIRCULAR POST MOUNTED (GROUND)	699+71	32.4'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E7-24	(SHARED POST)	POST MOUNTED (GROUND)	699+77	29.5'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E7-24a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E7-24b	EATON ST (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E7-25	SPEED LIMIT 20	POST MOUNTED (GROUND)	699+89	76.4'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E7-26	STOP SIGN	POST MOUNTED (GROUND)	700+19	54.2'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 30"
E7-27	(SHARED POST)	POST MOUNTED (GROUND)	701+56	24.7'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E7-27a	SCHOOL CROSSING				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E7-27b	NO PARKING ANY TIME				WB	SIGN PANEL TO BE REMOVED	12" x 18"
E7-28	NO PARKING ANY TIME	POST MOUNTED (GROUND)	701+60	24.5'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E7-29	WARNING UNDERGROUND CABLE	POST MOUNTED (GROUND)	702+02	37.9'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED BY OTHERS	4" x 8"

NOTE:

1. SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSERVED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
2. ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
E7-30	(SHARED POST)	POST MOUNTED (GROUND)	703+24	23.4'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	
E7-30a	NO PARKING ANY TIME				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	12" x 18"
E7-30b	NO PASSING ZONE				WB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	42" x 34"
E7-31	NO PARKING ANY TIME	CIRCULAR POST MOUNTED (GROUND)	703+26	21.0'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E7-32	SPEED LIMIT 20	POST MOUNTED (GROUND)	703+54	73.8'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E7-33	(SHARED POST)	POST MOUNTED (GROUND)	703+84	54.1'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E7-33a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E7-33b	DICKENS ST (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E7-33c	STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
WILLOW ROAD (STA 704+00 TO STA 716+00)							
E8-1	NO PARKING ANY TIME	CIRCULAR POST MOUNTED (GROUND)	705+91	23.3'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E8-2	SPEED LIMIT 20	POST MOUNTED (GROUND)	707+20	73.4'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E8-3	STOP SIGN	POST MOUNTED (GROUND)	707+50	53.6'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	30" x 30"
E8-4	(SHARED POST)	POST MOUNTED (GROUND)	707+58	38.6'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E8-4a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E8-4b	CHURCHILL ST (2 SIGN PANELS BACK TO BACK)				EB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E8-5	NO PARKING ANY TIME	POST MOUNTED (GROUND)	709+02	22.5'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E8-6	CLARKSON PARK	DUAL STONE POSTS	709+29	54.7'	RT	SIGN AND POST TO REMAIN	80" x 21"
E8-7	WILLOW PARK	DUAL WOOD POSTS	709+54	76.1'	LT	SIGN AND POST TO REMAIN	96" x 24"
E8-8	NO PARKING ANY TIME	POST MOUNTED (GROUND)	709+64	21.4'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E8-9	SPEED LIMIT 35	POST MOUNTED (GROUND)	709+70	21.4'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"
E8-10	(SHARED POST)	POST MOUNTED (GROUND)	709+85	27.1'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E8-10a	N. BRISTOL ST (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 10"
E8-10b	TO ROBINHOOD LN (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 8"
E8-10c	STOP SIGN				SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E8-11	NO PARKING STANDING OR UNLOADING	POST MOUNTED (GROUND)	709+89	96.5'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-12	ATHLETIC DROP OFF PROHIBITED	POST MOUNTED (GROUND)	709+89	60.1'	LT	SIGN AND POST TO REMAIN	24" x 18"
E8-13	NO PARKING STANDING OR UNLOADING	POST MOUNTED (GROUND)	709+88	164.7'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-14	RESERVED PARKING	POST MOUNTED (GROUND)	710+31	81.4'	LT	SIGN AND POST TO REMAIN	16" x 16"
E8-15	RESIDENT PARKING ONLY	POST MOUNTED (GROUND)	710+33	151.3'	LT	SIGN AND POST TO REMAIN	16" x 16"
E8-16	RESIDENT PARKING ONLY	POST MOUNTED (GROUND)	710+33	166.7'	LT	SIGN AND POST TO REMAIN	16" x 16"
E8-17	NO PARKING HOURS	POST MOUNTED (GROUND)	710+65	125.0'	RT	SIGN AND POST TO REMAIN	12" x 18"
E8-18	(SHARED POST)	POST MOUNTED (GROUND)	710+73	32.0'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E8-18a	BRISTOL ST (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E8-18b	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E8-19	SPEED LIMIT 20	POST MOUNTED (GROUND)	710+81	72.7'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E8-20	NO PARKING FIRE LANE	MOUNTED ON WOODEN FENCE	710+90	49.5'	LT	SIGN AND POST TO REMAIN	24" x 24"
E8-21	RESERVED PARKING	POST MOUNTED (GROUND)	711+07	79.4'	LT	SIGN AND POST TO REMAIN	16" x 16"
E8-22	STOP SIGN	POST MOUNTED (GROUND)	711+16	54.5'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 30"
E8-23	DO NOT DRIVE ON SHOULDER	POST MOUNTED (GROUND)	711+49	25.0'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 24"
E8-24	NO PARKING FIRE LANE	MOUNTED ON WOODEN FENCE	711+53	49.4'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-25	SPEED LIMIT 35	POST MOUNTED (GROUND)	711+56	20.2'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	30" x 36"
E8-26	NO PARKING FIRE LANE	MOUNTED ON WOODEN FENCE	712+19	49.2'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-27	PRIVATE PROPERTY TOW AWAY ZONE	POST MOUNTED (GROUND)	712+67	73.8'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-28	PRIVATE PROPERTY TOW AWAY ZONE	POST MOUNTED (GROUND)	713+34	73.7'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-29	NO PARKING FIRE LANE	MOUNTED ON WOODEN FENCE	713+63	51.8'	LT	SIGN AND POST TO REMAIN	12" x 18"
E8-30	NO PARKING FIRE LANE	POST MOUNTED (GROUND)	714+01	133.7'	LT	SIGN AND POST TO REMAIN	12" x 18"
WILLOW ROAD (STA 716+00 TO STA 728+00)							
E9-1	LANE ENDS	POST MOUNTED (GROUND)	716+26	36.1'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	36" x 36"
E9-2	NEW RETAIL SPACE FOR LEASE	POST MOUNTED (GROUND)	717+00	54.0'	RT	SIGN AND POST TO REMAIN	96" x 48"
E9-3	LEFT TURN LANE	POST MOUNTED (LANDSCAPED MEDIAN)	717+52	0.8'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	24" x 30"
E9-4	(SHARED POST)	POST MOUNTED (GROUND)	717+62	54.4'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-4a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E9-4b	ALICE PL (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E9-4c	NO OUTLET				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 6"
E9-4d	STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E9-5	(SHARED POST)	POST MOUNTED (GROUND)	717+68	148.6'	RT	POST TO REMAIN	
E9-5a	1HR PARKING HOURS				WB	SIGN TO REMAIN	12" x 18"
E9-5b	NO PARKING HOURS				WB	SIGN TO REMAIN	12" x 18"
E9-6	(SHARED POST)	POST MOUNTED (GROUND)	717+68	53.2'	RT	POST TO REMAIN	
E9-6a	RESERVED PARKING HANDICAP				NB	SIGN TO REMAIN	12" x 18"
E9-6b	\$250 FINE				NB	SIGN TO REMAIN	12" x 6"
E9-7	STOP SIGN	POST MOUNTED (GROUND)	717+78	183.4'	LT	SIGN AND POST TO REMAIN	30" x 30"
E9-8	ADVANCE INTERSECTION LANE CONTROL	POST MOUNTED (GROUND)	717+84	174.6'	LT	SIGN AND POST TO REMAIN	36" x 30"
E9-9	SHELL GAS SIGN	STONE BASE	717+83	56.2'	LT	SIGN AND POST TO REMAIN	96" x 65"

FILE NAME =	USER NAME = BAWtor.t	DESIGNED - JLV	REVISED -
g:\ch11\0158\road\Sheets\0160T35-SHT-SIGN-SCH05.dgn		DRAWN - MTS	REVISED -
	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 11/30/2012	DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

SCALE: N.T.S SHEET NO. 293 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4B)R	COOK	919	293
				CONTRACT NO. 60T35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTE:

1. SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
2. ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET		FACING TRAFFIC	ACTION	DIMENSION W x H
E9-10	NORTHFIELD RD / OLD WILLOW RD	MOUNTED ON SIGNAL POST MAST	717+95	35.8'	LT	WB	SIGN PANEL TO BE REMOVED	64" x 30"
E9-11	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	718+04	0.2'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-11a	LEFT TURN ONLY					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-11b	KEEP RIGHT					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-12	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	718+09	49.1'	LT	SB	SIGN PANEL TO BE RELOCATED ON NEW LIGHT POLE	36" x 36"
E9-13	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	718+30	44.7'	RT	EB	SIGN PANEL TO BE RELOCATED ON NEW LIGHT POLE	36" x 36"
E9-14	NO PARKING ANY TIME	POST MOUNTED (GROUND)	718+72	122.0'	RT	SB	SIGN AND POST TO REMAIN	12" x 18"
E9-15	WALGREENS SIGN	STONE BASE	718+93	70.5'	LT	EB/WB	SIGN AND POST TO REMAIN	72" x 50"
E9-16	(SHARED POST)	MOUNTED ON SIGNAL POST	719+01	41.3'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E9-16a	RIGHT TURN ONLY					WB	SIGN PANEL TO BE REMOVED	36" x 36"
E9-16b	FOLDED STOP SIGN					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E9-17	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	719+03	14.2'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-17a	KEEP RIGHT					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-17b	LEFT TURN ONLY					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-18	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	719+06	63.5'	RT	NB	SIGN PANEL TO BE RELOCATED ON NEW LIGHT POLE	36" x 36"
E9-19	(SHARED POST)	MOUNTED ON SIGNAL POST	719+21	50.3'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E9-19a	TO					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-19b	WEST					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-19c	INTERSTATE 94					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-19d	ADVANCE TURN ARROW					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-20	DOMINICK'S SIGN	DUAL STONE POSTS	719+38	71.6'	RT	EB	SIGN AND POST TO REMAIN	96" x 52"
E9-21	SPEED LIMIT 35	MOUNTED ON STREET LIGHT POLE	720+26	43.4'	LT	WB	SIGN PANEL TO BE REMOVED	30" x 36"
E9-22	POST OFFICE / LIBRARY DIRECTION	MOUNTED ON STREET LIGHT POLE	720+36	45.0'	RT	EB	SIGN PANEL TO BE RELOCATED ON NEW LIGHT POLE	24" x 18"
E9-23	ONE WAY	POST MOUNTED (LANDSCAPED MEDIAN)	720+48	5.5'	RT	SB	SIGN PANEL ASSEMBLY TO BE REMOVED	24" x 30"
E9-24	STOP SIGN	POST MOUNTED (GROUND)	720+65	67.7'	LT	SB	SIGN AND POST TO REMAIN	30" x 30"
E9-25	RIGHT TURN ONLY	POST MOUNTED (LANDSCAPED ISLAND)	720+88	70.0'	LT	SB	SIGN AND POST TO REMAIN	24" x 30"
E9-26	(SHARED POST)	POST MOUNTED (GROUND)	721+67	77.8'	LT		POST TO REMAIN	
E9-26a	DANGER UNDERGROUND FIBER OPTIC CABLE					EB	SIGN TO REMAIN	9" x 12"
E9-26b	DANGER UNDERGROUND FIBER OPTIC CABLE					WB	SIGN TO REMAIN	9" x 12"
E9-27	EMPTY POST	POST (GROUND)	721+68	77.3'	LT	-	SIGN AND POST TO REMAIN	- x -
E9-28	WARNING FIBER OPTIC CABLE BURIED	POST MOUNTED (GROUND)	721+70	76.9'	LT	NB	SIGN AND POST TO REMAIN	4" x 12"
E9-29	(SHARED POST)	POST MOUNTED (GROUND)	721+83	73.3'	RT		POST TO REMAIN	
E9-29a	WARNING NO DIGGING					EB	SIGN TO REMAIN	10" x 14"
E9-29b	WARNING NO DIGGING					WB	SIGN TO REMAIN	10" x 14"
E9-30	(SHARED POST)	POST MOUNTED (GROUND)	722+14	65.3'	RT		POST TO REMAIN	
E9-30a	DANGER UNDERGROUND FIBER OPTIC CABLE					EB	SIGN TO REMAIN	9" x 12"
E9-30b	DANGER UNDERGROUND FIBER OPTIC CABLE					WB	SIGN TO REMAIN	9" x 12"
E9-31	WARNING FIBER OPTIC CABLE BURIED	POST MOUNTED (GROUND)	722+18	64.1'	RT	SB	SIGN AND POST TO REMAIN	4" x 12"
E9-32	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	722+69	2.4'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-32a	LEFT TURN ONLY					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-32b	KEEP RIGHT					WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-33	NO PARKING ANY TIME	MOUNTED ON DECORATIVE STREET LIGHT POLE	722+72	110.5'	LT	WB	SIGN AND POLE TO REMAIN	24" x 30"
E9-34	(SHARED POST)	MOUNTED ON SIGNAL POST	722+73	50.8'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E9-34a	EAST					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-34b	INTERSTATE 94					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-34c	DIRECTIONAL ARROW					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-34d	NO TURN ON RED					SB	SIGN PANEL TO BE REMOVED	24" x 30"
E9-34e	FOLDED STOP SIGN					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E9-35	(SHARED POST)	POST MOUNTED (GROUND)	723+02	65.7'	RT		POST TO REMAIN	
E9-35a	TO					EB	SIGN TO REMAIN	24" x 12"
E9-35b	EAST					EB	SIGN TO REMAIN	24" x 12"
E9-35c	INTERSTATE 94					EB	SIGN TO REMAIN	24" x 24"
E9-35d	DIRECTIONAL ARROW					EB	SIGN TO REMAIN	21" x 15"
E9-36	(SHARED POST)	MOUNTED ON SIGNAL POST	723+11	65.3'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E9-36a	TO					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-36b	WEST					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-36c	INTERSTATE 94					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-36d	DIRECTIONAL ARROW					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-36e	FOLDED STOP SIGN					EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E9-37	NO PARKING STOPPING OR STANDING	MOUNTED ON DECORATIVE STREET LIGHT POLE	723+36	193.3'	LT	WB	SIGN AND POLE TO REMAIN	24" x 30"
E9-38	LANE ENDS	MOUNTED ON DECORATIVE STREET LIGHT POLE	723+39	155.9'	LT	NB	SIGN AND POLE TO REMAIN	36" x 36"
E9-39	CENTRAL (POOR QUALITY, COULD NOT READ)	MOUNTED ON SIGNAL POST	723+62	45.7'	LT	WB	SIGN PANEL TO BE REMOVED	30" x 15"
E9-40	CIRCULAR STARBUCKS SIGN	POST MOUNTED (GROUND)	723+72	46.6'	LT	EB/WB	SIGN AND POST TO REMAIN	52" x 52"

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 - ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
 - EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
E9-41	(SHARED POST)	MOUNTED ON PARKING LOT LIGHT POLE	723+72	116.3'	LT	POLE TO REMAIN	
E9-41a	NO LEFT TURN				NB	SIGN TO REMAIN	36" x 36"
E9-41b	ONE WAY				NB	SIGN TO REMAIN	24" x 30"
E9-42	(SHARED POST)	MOUNTED ON SIGNAL POST	723+73	34.0'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW SIGNAL POST	
E9-42a	TO				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-42b	WEST				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-42c	INTERSTATE 94				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-42d	DIRECTIONAL ARROW				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-42e	FOLDED STOP SIGN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E9-43	(SHARED POST)	MOUNTED ON PARKING LOT LIGHT POLE	723+78	147.6'	LT	POLE TO REMAIN	
E9-43a	ONE WAY ARROW				NB	SIGN TO REMAIN	54" x 36"
E9-43b	NO LEFT TURN				NB	SIGN TO REMAIN	36" x 36"
E9-43c	NO PARKING ANY TIME				NB	SIGN TO REMAIN	12" x 18"
E9-44	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	723+82	14.7'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-44a	KEEP RIGHT				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-44b	LEFT TURN ONLY				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-45	(SHARED POST)	MOUNTED ON SIGNAL POST	723+98	68.4'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW LIGHT POLE	
E9-45a	NO TURN ON RED WHEN PEDESTRIANS PRESENT				NB	SIGN PANEL TO BE REMOVED	24" x 30"
E9-45b	FOLDED STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E9-46	(SHARED POST)	MOUNTED ON SIGNAL POST	724+13	51.5'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	
E9-46a	CENTRAL AVE / S. HAPP RD				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	48" x 30"
E9-46b	SPEED LIMIT 35				EB	SIGN PANEL TO BE REMOVED WITH ASSEMBLY	30" x 36"
E9-47	FOR LEASE	DUAL POST MOUNTED (GROUND)	724+11	32.8'	LT	NB	SEE NOTE 2
E9-48	RIGHT TURN ONLY	MOUNTED ON DECORATIVE STREET LIGHT POLE	724+14	90.1'	RT	NB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-49	(SHARED POST)	MOUNTED ON STREET LIGHT POLE	724+17	32.1'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW LIGHT POLE	
E9-49a	LOVE THE LAND OF LINCOLN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 36"
E9-49b	ADOPT-A-HIGHWAY				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 18"
E9-49c	KEEP ILLINOIS CLEAN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	50" x 25"
E9-50	RIGHT TURN ONLY	MOUNTED ON PARKING LOT LIGHT POLE	724+40	54.4'	LT	SB	SIGN AND POLE TO REMAIN
E9-51	NO EXIT TO SOUTHBOUND HAPP ROAD	POST MOUNTED (GROUND)	724+44	45.2'	LT	SB	SIGN AND POST TO REMAIN
E9-52	ADVANCE INTERSECTION LANE CONTROL	MOUNTED ON DECORATIVE STREET LIGHT POLE	724+47	134.5'	RT	NB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-53	ONE WAY	POST MOUNTED (LANDSCAPED MEDIAN)	724+61	11.6'	RT	SB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-54	ORREN PICKELL DESIGN SHOWROOM	DUAL WOOD POSTS	725+05	46.4'	LT	WB	SIGN AND POST TO REMAIN
E9-55	ONE WAY	POST MOUNTED (LANDSCAPED MEDIAN)	725+59	3.9'	RT	SB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-56	PEDESTRIAN CROSSING	POST MOUNTED (GROUND)	725+65	41.4'	RT	EB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-57	RIGHT TURN ONLY	POST MOUNTED (GROUND)	725+75	34.8'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E9-58	(SHARED POST)	POST MOUNTED (GROUND)	725+78	29.9'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-58a	POST OFFICE / LIBRARY DIRECTION				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 18"
E9-58b	HAPP RD				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	27" x 9"
E9-58c	CENTRAL AVE				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 9"
E9-59	20 MIN PARKING	POST MOUNTED (GROUND)	725+93	87.8'	RT	WB	SIGN AND POST TO REMAIN
E9-60	POLICE PARKING ONLY	POST MOUNTED (GROUND)	725+94	103.3'	RT	WB	SIGN AND POST TO REMAIN
E9-61	POLICE PARKING ONLY	POST MOUNTED (GROUND)	725+94	162.1'	RT	WB	SIGN AND POST TO REMAIN
E9-62	POLICE PARKING ONLY	POST MOUNTED (GROUND)	725+94	135.3'	RT	WB	SIGN AND POST TO REMAIN
E9-63	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	725+99	3.6'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-63a	KEEP RIGHT				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 30"
E9-63b	NO U TURN				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-63c	NO U TURN				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-64	NORTHFIELD POLICE DEPARTMENT	DUAL WOOD POSTS	726+07	62.4'	RT	SB	SIGN AND POST TO REMAIN
E9-65	NO LEFT TURN	POST MOUNTED (GROUND)	726+38	33.5'	LT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E9-66	(SHARED POST)	POST MOUNTED (GROUND)	726+54	50.7'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-66a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E9-66b	WALNUT ST (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 10"
E9-66c	STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	30" x 30"
E9-66d	NO LEFT TURN				NB	SIGN PANEL TO BE REMOVED	30" x 30"
E9-67	NO PARKING ANY TIME	POST MOUNTED (GROUND)	726+55	114.0'	RT	EB	SIGN AND POST TO REMAIN
E9-68	PEDESTRIAN CROSSING	MOUNTED ON STREET LIGHT POLE	726+93	39.6'	LT	WB	SIGN PANEL ASSEMBLY TO BE REMOVED
E9-69	(SHARED POST)	POST MOUNTED (GROUND)	727+23	35.5'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-69a	EAST				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-69b	INTERSTATE 94				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-69c	DIRECTIONAL ARROW				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-69d	SHARE THE DRIVE				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E9-70	(SHARED POST)	POST MOUNTED (GROUND)	727+46	37.5'	LT	POST TO REMAIN	
E9-70a	SIGNAL AHEAD				WB	SIGN TO REMAIN	36" x 36"
E9-70b	S. HAPP RD / CENTRAL AVE				WB	SIGN TO REMAIN	36" x 12"

NOTE:

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2. ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
E9-71	(SHARED POST)	DUAL WOOD POSTS	727+56	43.0'	LT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E9-71a	TO				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-71b	WEST				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 12"
E9-71c	INTERSTATE 94				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	24" x 24"
E9-71d	DIRECTIONAL ARROW				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	21" x 15"
E9-71e	EAST INTERSTATE 94 / SOUTH 41 / CHICAGO				WB	SIGN PANEL TO BE REMOVED	96" x 60"
E9-72	BUCKLE UP	MOUNTED ON STREET LIGHT POLE	727+94	52.1'	RT	SIGN AND POLE TO REMAIN	48" x 60"
WILLOW ROAD (STA 728+00 TO STA 740+00)							
E10-1	BUCKLE UP	MOUNTED ON STREET LIGHT POLE	728+08	74.8'	LT	SIGN AND POLE TO REMAIN	48" x 60"
E10-2	RAMP 20 MPH	POST MOUNTED (GROUND)	729+14	49.8'	LT	SIGN AND POST TO REMAIN	36" x 48"
E10-3	RAMP 30 MPH	MOUNTED ON STREET LIGHT POLE	729+59	99.9'	RT	SIGN AND POLE TO REMAIN	36" x 48"
E10-4	(SHARED POST)	POST MOUNTED (GROUND)	729+79	47.8'	LT	POST TO REMAIN	
E10-4a	EAST				WB	SIGN TO REMAIN	24" x 12"
E10-4b	INTERSTATE 94				WB	SIGN TO REMAIN	24" x 24"
E10-4c	DIRECTIONAL ARROW				WB	SIGN TO REMAIN	21" x 15"
E10-5	(SHARED POST)	POST MOUNTED (METAL FENCE)	732+67	43.7'	LT	POST TO REMAIN	
E10-5a	EAST				WB	SIGN TO REMAIN	24" x 12"
E10-5b	INTERSTATE 94				WB	SIGN TO REMAIN	24" x 24"
E10-5c	ADVANCE TURN ARROW				WB	SIGN TO REMAIN	21" x 15"
E10-6	YIELD	POST MOUNTED (GROUND)	734+55	66.5'	LT	SIGN AND POST TO REMAIN	36" x 31"
E10-7	(SHARED POST)	POST MOUNTED (GROUND)	734+67	31.5'	LT	POST TO REMAIN	
E10-7a	DO NOT ENTER				EB	SIGN TO REMAIN	30" x 30"
E10-7b	YIELD				WB	SIGN TO REMAIN	36" x 31"
E10-8	MERGE	POST MOUNTED (GROUND)	734+91	42.3'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	36" x 36"
E10-9	WRONG WAY	MOUNTED ON STREET LIGHT POLE	734+92	110.1'	LT	SIGN AND POLE TO REMAIN	36" x 36"
E10-10	MERGE	POST MOUNTED (OUT OF GROUND)	735+08	32.8'	LT	SIGN PANEL ASSEMBLY TO BE REMOVED	36" x 36"
E10-11	WRONG WAY	POST MOUNTED (GROUND)	735+34	76.6'	LT	SIGN AND POST TO REMAIN	36" x 36"
E10-12	(SHARED POST)	POST MOUNTED (GROUND)	735+40	38.5'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E10-12a	STOP SIGN				NB	SIGN PANEL TO BE REMOVED	36" x 36"
E10-12b	DO NOT ENTER				EB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E10-13	AUTHORIZED VEHICLES ONLY	DUAL POST MOUNTED (GROUND)	735+52	73.9'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	36" x 24"
E10-14	(SHARED POST)	POST MOUNTED (GROUND)	735+54	64.9'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED ON NEW LIGHT POLE	
E10-14a	STOP SIGN				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E10-14b	DO NOT ENTER				WB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	36" x 36"
E10-15	(SHARED POST)	POST MOUNTED (GROUND)	735+72	63.5'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E10-15a	RESERVED PARKING HANDICAP				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	12" x 18"
E10-15b	\$250 FINE				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	12" x 6"
E10-16	140	POST MOUNTED (GROUND)	735+81	40.5'	LT	SIGN AND POST TO REMAIN	12" x 6"
E10-17	(SHARED POST)	POST MOUNTED (GROUND)	735+91	61.8'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	
E10-17a	RESERVED PARKING HANDICAP				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	12" x 18"
E10-17b	\$250 FINE				NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY	12" x 6"
E10-18	NO PARKING ANY TIME	POST MOUNTED (GROUND)	736+40	43.2'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	12" x 18"
E10-19	(SHARED POST)	MOUNTED ON STREET LIGHT POLE	736+46	39.7'	LT	POLE TO REMAIN	
E10-19a	JCT				WB	SIGN TO REMAIN	24" x 15"
E10-19b	EAST				WB	SIGN TO REMAIN	24" x 12"
E10-19c	INTERSTATE 94				WB	SIGN TO REMAIN	24" x 24"
E10-20	ONE WAY	POST MOUNTED (GROUND)	736+96	35.7'	RT	SIGN PANEL ASSEMBLY TO BE RELOCATED	24" x 30"
E10-21	NO PARKING	POST MOUNTED (GROUND)	737+02	36.5'	RT	SIGN PANEL ASSEMBLY TO BE REMOVED	12" x 18"
E10-22	ERICKSON WOODS	DUAL WOOD POSTS	737+99	54.6'	LT	SIGN AND POST TO REMAIN	96" x 25"
E10-23	STOP SIGN	POST MOUNTED (GROUND)	738+32	57.0'	LT	SIGN AND POST TO REMAIN	30" x 30"
E10-24	5 STAR IMPORTS AUTO REPAIR	STONE BASE	738+75	71.3'	RT	SIGN AND POST TO REMAIN	72" x 49"
E10-25	SPEED LIMIT 35	MOUNTED ON STREET LIGHT POLE	739+10	38.6'	RT	SIGN AND POLE TO REMAIN	30" x 36"
E10-26	(SHARED POST)	POST MOUNTED (GROUND)	739+14	42.4'	RT	POST TO REMAIN	
E10-26a	WILLOW RD (2 SIGN PANELS BACK TO BACK)				NB/SB	SIGN TO REMAIN	24" x 10"
E10-26b	LINDER AVE (2 SIGN PANELS BACK TO BACK)				EB/WB	SIGN TO REMAIN	24" x 10"
ILLINOIS ROUTE 43 (STA 493+00 TO STA 505+00)							
E11-1	NO LEFT TURN	POST MOUNTED (LANDSCAPED ISLAND)	502+52	58.5'	RT	SIGN AND POST TO REMAIN	36" x 36"
E11-2	HOLY SPIRIT MISSIONARY SISTERS	DUAL POST MOUNTED (GROUND)	502+77	67.3'	RT	SIGN AND POST TO REMAIN	126" x 27"
E11-3	STOP SIGN	POST MOUNTED (GROUND)	502+86	46.4'	RT	SIGN AND POST TO REMAIN	36" x 36"
E11-4	ONE WAY	POST MOUNTED (LANDSCAPED MEDIAN)	502+96	4.0'	RT	SIGN AND POST TO REMAIN	36" x 36"
E11-5	RIGHT LANE MUST TURN RIGHT	POST MOUNTED (GROUND)	503+65	48.0'	LT	SIGN AND POST TO REMAIN	30" x 30"

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EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
ILLINOIS ROUTE 43 (STA 505+00 TO STA 514+00)							
E12-1	COLLEGE OF AMERICAN PATHOLOGISTS	NONE - SIGN IS A STONE BLOCK	505+45	57.7'	RT	NB	SIGN AND POST TO REMAIN
E12-2	(SHARED POST)	POST MOUNTED (LANDSCAPED MEDIAN)	505+45	5.2'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E12-2a	NO U TURN					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-2b	KEEP RIGHT					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-3	STOP SIGN	POST MOUNTED (GROUND)	506+00	53.4'	RT	WB	SIGN AND POST TO REMAIN
E12-4	DO NOT BLOCK DRIVEWAY	POST MOUNTED (GROUND)	506+13	40.9'	RT	NB	SIGN AND POST TO REMAIN
E12-5	PACE BUS STOP	MOUNTED ON BUS SHELTER	506+19	51.0'	LT	SB	SIGN TO REMAIN
E12-6	(SHARED POST)	POST MOUNTED (CONCRETE MEDIAN)	506+47	6.0'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E12-6a	KEEP RIGHT					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-6b	LEFT TURN ONLY					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-7	PACE BUS STOP	MOUNTED ON BUS SHELTER	506+56	61.2'	RT	NB	SIGN AND POST TO REMAIN
E12-8	RIGHT LANE MUST TURN RIGHT	POST MOUNTED (GROUND)	506+60	47.3'	LT	SB	SIGN AND POST TO REMAIN
E12-9	(SHARED POST)	POST MOUNTED (GROUND)	509+82	57.8'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E12-9a	SOUTH					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-9b	ILLINOIS 43					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-10	ILLINOIS TOLLWAY	POST MOUNTED (GROUND)	511+28	38.7'	RT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E12-11	LEFT TURN ONLY	POST MOUNTED (CONCRETE MEDIAN)	512+06	5.9'	LT	NB	SIGN PANEL ASSEMBLY TO BE REMOVED
E12-12	(SHARED POST)	POST MOUNTED (GROUND)	512+04	57.6'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E12-12a	GLENVIEW POPULATION					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E12-12b	SPEED LIMIT 40					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
ILLINOIS ROUTE 43 (STA 518+00 TO STA 530+00)							
E13-1	(SHARED POST)	POST MOUNTED (GROUND)	519+11	39.9'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E13-1a	HORIZONTAL ALIGNMENT CURVE					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-1b	40 M.P.H.					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-2	SPEED LIMIT 40	POST MOUNTED (GROUND)	521+15	41.3'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E13-3	SPEED LIMIT 45	POST MOUNTED (GROUND)	521+25	40.0'	RT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E13-4	NOTICE OF PUBLIC HEARING	DUAL POST MOUNTED (GROUND)	521+43	80.0'	LT	WB	SIGN AND POST TO REMAIN
E13-5	(SHARED POST)	POST MOUNTED (GROUND)	522+37	42.8'	RT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E13-5a	LOVE THE LAND OF LINCOLN					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-5b	ADOPT-A-HIGHWAY					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-5c	KEEP ILLINOIS CLEAN					NB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-6	(SHARED POST)	POST MOUNTED (GROUND)	524+69	47.4'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E13-6a	ADVANCE TRAFFIC CONTROL					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-6b	WILLOW RD					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E13-7	STRIP MALL ENTRANCE	DUAL STONE POSTS	528+13	90.0'	LT	NB/SB	SIGN AND POST TO REMAIN
E13-8	THREE LAKES DR	MOUNTED ON SIGNAL POST MAST	528+38	51.2'	LT	SB	SIGN AND SIGNAL TO REMAIN
E13-9	(SHARED POST)	MOUNTED ON SIGNAL POST	528+48	57.6'	RT		SIGNAL POST TO REMAIN
E13-9a	RIGHT TURN ONLY					NB	SEE NOTE 1
E13-9b	FOLDED STOP SIGN					NB	SIGN TO REMAIN
E13-10	ILL ROUTE 43 / WAUKEGAN RD	MOUNTED ON SIGNAL POST MAST	528+60	70.0'	RT	EB	SIGN TO REMAIN
E13-11	FOLDED STOP SIGN	POST MOUNTED (GROUND)	528+60	64.8'	LT	EB	SIGN AND POST TO REMAIN
E13-12	KRAFT SIGN	DUAL POST MOUNTED (LANDSCAPED MEDIAN)	529+07	135.3'	RT	EB	SIGN AND POST TO REMAIN
E13-13	(SHARED POST)	POST MOUNTED (GROUND)	529+47	83.7'	RT		POST TO REMAIN
E13-13a	THREE LAKES DR					WB	SIGN TO REMAIN
E13-13b	WAUKEGAN RD					WB	SIGN TO REMAIN
E13-14	FOLDED STOP SIGN	MOUNTED ON SIGNAL POST	529+56	67.4'	RT	WB	SIGN AND SIGNAL TO REMAIN
E13-15	ILL ROUTE 43 / WAUKEGAN RD	MOUNTED ON SIGNAL POST MAST	529+63	71.7'	LT	WB	SIGN AND SIGNAL TO REMAIN
E13-16	RIGHT TURN ONLY	MOUNTED ON SIGNAL POST	529+75	58.4'	LT	SB	SIGN AND SIGNAL TO REMAIN
E13-17	FOLDED STOP SIGN	POST MOUNTED (GROUND)	529+88	47.9'	LT	SB	SIGN AND POST TO REMAIN
E13-18	THREE LAKES DR	MOUNTED ON SIGNAL POST MAST	529+96	54.2'	RT	NB	SIGN AND SIGNAL TO REMAIN
ILLINOIS ROUTE 43 (STA 530+50 TO STA 542+50)							
E14-1	(SHARED POST)	POST MOUNTED (GROUND)	532+39	48.2'	LT		POST TO REMAIN
E14-1a	HORIZONTAL ALIGNMENT CURVE					SB	SIGN TO REMAIN
E14-1b	40 M.P.H.					SB	SIGN TO REMAIN
E14-2	DO NOT ENTER	POST MOUNTED (GROUND)	533+25	55.2'	LT	WB	SIGN AND POST TO REMAIN
E14-3	(SHARED POST)	POST MOUNTED (GROUND)	533+44	81.4'	LT		POST TO REMAIN
E14-3a	STOP SIGN					EB	SIGN TO REMAIN
E14-3b	RIGHT TURN ONLY					EB	SIGN TO REMAIN
E14-4	NO LEFT TURN	POST MOUNTED (LANDSCAPED ISLAND)	533+70	55.4'	LT	NB	SIGN AND POST TO REMAIN
E14-5	SPEED LIMIT 45	MOUNTED ON POWER POLE	534+65	34.9'	RT	NB	SIGN AND POLE TO REMAIN
E14-6	NO LEFT TURN	POST MOUNTED (LANDSCAPED ISLAND)	535+68	45.0'	RT	SB	SIGN AND POST TO REMAIN
E14-7	STOP SIGN	POST MOUNTED (GROUND)	536+00	51.4'	RT	WB	SIGN AND POST TO REMAIN
E14-8	RIGHT TURN ONLY	POST MOUNTED (GROUND)	536+21	57.6'	LT	SB	SEE NOTE 1
E14-9	(SHARED POST)	POST MOUNTED (GROUND)	537+37	28.9'	RT		POST TO REMAIN
E14-9a	INTERSECTION WARNING					NB	SIGN TO REMAIN
E14-9b	KAMP DR / ROYAL RIDGE DR					NB	SIGN TO REMAIN

NOTE:

1. SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
2. ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
SUNSET RIDGE ROAD (STA 30+50 TO STA 34+50)							
E15-1	(SHARED POST)	POST MOUNTED (GROUND)	32+03	15.4'	RT	POST TO REMAIN	
E15-1a	SCHOOL CROSSING				NB	SIGN TO REMAIN	30" x 30"
E15-1b	AHEAD				NB	SIGN TO REMAIN	24" x 12"
E15-1c	FIRE HYDRANT				NB	SIGN TO REMAIN	6" x 12"
E15-2	NO TRUCKS ALLOWED	POST MOUNTED (GROUND)	33+19	58.6'	LT	WB	SIGN AND POST TO REMAIN
E15-3	LUTHERAN CHURCH OF THE ASCENSION	DECORATIVE POST MOUNTED (GROUND)	33+20	41.5'	LT	NB	SIGN AND POST TO REMAIN
E15-4	SPEED LIMIT 35	DUAL POST MOUNTED (GROUND)	33+46	22.1'	LT	SB	SIGN AND POST TO REMAIN
E15-5	WILLOW RD	DUAL POST MOUNTED (GROUND)	33+84	23.7'	RT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E15-6	NO SEMI TRUCKS ALLOWED	POST MOUNTED (GROUND)	34+23	36.5'	RT	EB	SIGN AND POST TO REMAIN
SUNSET RIDGE ROAD (STA 37+50 TO STA 43+00)							
E15-7	SUNSET RIDGE SCHOOL	DUAL WOOD POSTS	38+05	58.0'	RT	NB/SB	SIGN AND POST TO REMAIN
E15-8	ONE WAY	POST MOUNTED (GROUND)	38+64	31.6'	RT	NB	SIGN AND POST TO REMAIN
E15-9	TEMPLE JEREMIAH	POST MOUNTED (GROUND)	38+74	29.0'	LT	SB	SIGN AND POST TO REMAIN
E15-10	WILLOW RD	DUAL POST MOUNTED (GROUND)	39+03	25.4'	LT	SB	SIGN AND POST TO REMAIN
E15-11	(SHARED POST)	POST MOUNTED (GROUND)	39+07	26.3'	RT		POST TO REMAIN
E15-11a	SCHOOL CROSSING				NB	SIGN TO REMAIN	30" x 30"
E15-11b	AHEAD				NB	SIGN TO REMAIN	24" x 12"
E15-12	(SHARED POST)	POST MOUNTED (GROUND)	39+95	27.0'	RT		POST TO REMAIN
E15-12a	SCHOOL SPEED LIMIT 20				NB	SIGN TO REMAIN	24" x 48"
E15-12b	FIRE HYDRANT				NB	SIGN TO REMAIN	6" x 12"
E15-13	(SHARED POST)	POST MOUNTED (GROUND)	40+00	29.4'	LT		POST TO REMAIN
E15-13a	ONE WAY				NB	SIGN TO REMAIN	18" x 24"
E15-13b	ONE WAY				SB	SIGN TO REMAIN	18" x 24"
E15-14	ST. JAMES THE LESS CHURCH	DUAL WOOD POSTS	40+53	31.4'	LT	SB	SIGN AND POST TO REMAIN
E15-15	(SHARED POST)	POST MOUNTED (GROUND)	41+04	39.8'	RT		POST TO REMAIN
E15-15a	DO NOT ENTER				EB	SIGN TO REMAIN	30" x 30"
E15-15b	STOP SIGN				WB	SIGN TO REMAIN	30" x 30"
E15-16	(SHARED POST)	POST MOUNTED (GROUND)	41+09	29.6'	RT		POST TO REMAIN
E15-16a	ONE WAY				NB	SIGN TO REMAIN	18" x 24"
E15-16b	ONE WAY				SB	SIGN TO REMAIN	18" x 24"
E15-17	(SHARED POST)	POST MOUNTED (GROUND) - YELLOW REFLECTOR STRIP	41+42	25.5'	RT		POST TO REMAIN
E15-17a	SCHOOL CROSSING				NB	SIGN TO REMAIN	30" x 30"
E15-17b	ARROW				NB	SIGN TO REMAIN	24" x 12"
E15-18	(SHARED POST)	POST MOUNTED (GROUND)	41+54	30.6'	RT		POST TO REMAIN
E15-18a	ONE WAY				NB	SIGN TO REMAIN	18" x 24"
E15-18b	ONE WAY				SB	SIGN TO REMAIN	18" x 24"
E15-19	(SHARED POST)	POST MOUNTED (GROUND)	42+04	21.9'	LT		POST TO REMAIN
E15-19a	ONE WAY				NB	SIGN TO REMAIN	18" x 24"
E15-19b	ONE WAY				SB	SIGN TO REMAIN	18" x 24"
E15-20	MARTIN LANE	MOUNTED ON DECORATIVE STREET LIGHT POLE	42+07	45.7'	RT	NB	SIGN AND POLE TO REMAIN
E15-21	(SHARED POST)	POST MOUNTED (GROUND) - YELLOW REFLECTOR STRIP	42+25	10.1'	LT		POST TO REMAIN
E15-21a	SCHOOL CROSSING				SB	SIGN TO REMAIN	30" x 30"
E15-21b	ARROW				SB	SIGN TO REMAIN	24" x 12"
WAGNER ROAD (STA 80+00 TO STA 84+50)							
E16-1	(SHARED POST)	POST MOUNTED (GROUND)	80+16	20.6'	RT		POST TO REMAIN
E16-1a	SCHOOL CROSSING				NB	SIGN TO REMAIN	36" x 36"
E16-1b	AHEAD				NB	SIGN TO REMAIN	12" x 10"
E16-2	WILLOW RD	DUAL POST MOUNTED (GROUND)	82+29	20.6'	RT	NB	SIGN AND POST TO REMAIN
WAGNER ROAD (STA 87+50 TO STA 92+00)							
E16-3	(SHARED POST)	POST MOUNTED (GROUND)	88+29	40.0'	RT		POST TO REMAIN
E16-3a	HANDICAP PARKING				WB	SIGN TO REMAIN	12" x 18"
E16-3b	\$250 FINE				WB	SIGN TO REMAIN	12" x 6"
E16-4	NORTHFIELD COMMUNITY CHURCH	DUAL WOOD POSTS	88+67	42.4'	LT	SB	SIGN AND POST TO REMAIN
E16-5	STOP SIGN	POST MOUNTED (GROUND)	88+73	46.7'	RT	WB	SIGN AND POST TO REMAIN
E16-6	SLOW CHILDREN	POST MOUNTED (GROUND)	89+04	22.0'	RT	WB	SIGN AND POST TO REMAIN
E16-7	(SHARED POST)	POST MOUNTED (GROUND)	89+18	54.7'	RT		POST TO REMAIN
E16-7a	TURN OFF ENGINE / NO CELL PHONE				EB	SIGN TO REMAIN	24" x 30"
E16-7b	NO PARKING FIRE LANE				EB	SIGN TO REMAIN	12" x 18"
E16-8	CHURCH ENTRANCE	DUAL WOOD POSTS	89+19	37.9'	LT	SB	SIGN AND POST TO REMAIN
E16-9	(SHARED POST)	POST MOUNTED (GROUND)	89+90	50.3'	RT		POST TO REMAIN
E16-9a	HANDICAP PARKING PERMIT REQUIRED				WB	SIGN TO REMAIN	12" x 18"
E16-9b	VAN ACCESSIBLE				WB	SIGN TO REMAIN	12" x 6"
E16-9c	\$250 FINE				WB	SIGN TO REMAIN	12" x 6"

NOTE:

- SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
- ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
- EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET		FACING TRAFFIC	ACTION	DIMENSION W x H
E16-10	MIDDLEFORK SCHOOL	DUAL WOOD POSTS	90+05	45.1'	RT	NB/SB	SIGN AND POST TO REMAIN	58" x 33"
E16-11	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	90+18	51.6'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
E16-12	NO PARKING THIS SIDE OF STREET	POST MOUNTED (GROUND)	90+40	16.5'	LT	SB	SIGN AND POST TO REMAIN	12" x 18"
E16-13	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	90+40	51.6'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
E16-14	NO PARKING BUS STOP	POST MOUNTED (GROUND)	90+45	26.7'	LT	WB	SIGN AND POST TO REMAIN	12" x 24"
E16-15	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	90+62	51.6'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
E16-16	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	90+85	51.3'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
E16-17	DO NOT BLOCK DRIVE	POST MOUNTED (GROUND)	90+94	14.1'	RT	NB	SIGN AND POST TO REMAIN	12" x 18"
E16-18	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	91+06	51.6'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
E16-19	DO NOT ENTER	POST MOUNTED (CONCRETE ISLAND)	91+48	25.3'	RT	EB	SIGN AND POST TO REMAIN	30" x 30"
E16-20	NO PARKING BUS STOP	POST MOUNTED (GROUND)	91+52	26.2'	LT	WB	SIGN AND POST TO REMAIN	12" x 24"
E16-21	(SHARED POST)	POST MOUNTED (GROUND)	91+67	62.3'	RT		POST TO REMAIN	
E16-21a	SLOW CHILDREN					NB	SIGN TO REMAIN	18" x 24"
E16-21b	5 MPH					NB	SIGN TO REMAIN	12" x 6"
E16-22	RESERVED / VISITOR PARKING	POST MOUNTED (GROUND)	91+98	51.1'	RT	WB	SIGN AND POST TO REMAIN	12" x 18"
NORTHFIELD ROAD (STA 171+00 TO STA 174+50)								
E17-1	(SHARED POST)	POST MOUNTED (GROUND)	171+09	18.2'	LT		POST TO REMAIN	
E17-1a	PEDESTRIAN CROSSING					SB	SIGN TO REMAIN	30" x 30"
E17-1b	ARROW					SB	SIGN TO REMAIN	24" x 12"
E17-2	STOP SIGN	POST MOUNTED (GROUND)	171+49	32.3'	RT	WB	SIGN AND POST TO REMAIN	30" x 30"
E17-3	STOP SIGN	POST MOUNTED (GROUND)	171+61	18.1'	LT	SB	SIGN AND POST TO REMAIN	30" x 30"
E17-4	(SHARED POST)	POST MOUNTED (GROUND)	171+74	18.0'	RT		POST TO REMAIN	
E17-4a	NO PARKING					EB	SIGN TO REMAIN	12" x 18"
E17-4b	FIRE HYDRANT					EB	SIGN TO REMAIN	6" x 12"
E17-5	NO PARKING	POST MOUNTED (GROUND)	172+43	18.9'	RT	EB	SIGN AND POST TO REMAIN	12" x 18"
E17-6	(SHARED POST)	POST MOUNTED (GROUND)	172+88	18.6'	LT		POST TO REMAIN	
E17-6a	SPEED LIMIT 30					SB	SIGN TO REMAIN	24" x 30"
E17-6b	NO PARKING ANY TIME					SB	SIGN TO REMAIN	12" x 18"
E17-7	STOP SIGN	POST MOUNTED (GROUND)	173+76	23.8'	RT	NB	SIGN AND POST TO REMAIN	30" x 30"
E17-8	EMPTY POST	POST MOUNTED (GROUND)	173+82	23.8'	RT	-	POST TO REMAIN	- x -
OLD WILLOW ROAD (STA 162+20 TO STA 165+50)								
E17-9	(SHARED POST)	POST MOUNTED (GROUND)	162+41	20.5'	LT		POST TO REMAIN	
E17-9a	OLD WILLOW RD (2 SIGN PANELS BACK TO BACK)					EB/WB	SIGN TO REMAIN	42" x 10"
E17-9b	WILLOW VIEW TER (2 SIGN PANELS BACK TO BACK)					NB/SB	SIGN TO REMAIN	42" x 10"
E17-9c	NO OUTLET (2 SIGN PANELS BACK TO BACK)					NB/SB	SIGN TO REMAIN	36" x 8"
E17-9d	STOP SIGN					EB	SIGN TO REMAIN	30" x 30"
E17-10	STOP SIGN	POST MOUNTED (GROUND)	162+80	39.1'	RT	WB	SIGN AND POST TO REMAIN	30" x 30"
E17-11	NO PARKING ANY TIME	POST MOUNTED (GROUND)	163+05	51.9'	LT	NB	SIGN AND POST TO REMAIN	12" x 18"
E17-12	WILLOW GREEN	DUAL WOOD POSTS	163+27	43.6'	LT	WB	SIGN AND POST TO REMAIN	36" x 45"
E17-13	SPEED LIMIT 30	POST MOUNTED (GROUND)	164+88	21.6'	RT	NB	SIGN AND POST TO REMAIN	24" x 30"
HAPP ROAD (STA 180+00 TO STA 182+00)								
E18-1	(SHARED POST)	POST MOUNTED (GROUND)	180+62	35.8'	LT		POST TO REMAIN	
E18-1a	NO PARKING					WB	SIGN TO REMAIN	12" x 18"
E18-1b	WILBUS STOP					WB	SIGN TO REMAIN	12" x 18"
E18-2	(SHARED POST)	POST MOUNTED (GROUND)	180+77	33.0'	LT		POST TO REMAIN	
E18-2a	PEDESTRIAN CROSSING					SB	SIGN TO REMAIN	30" x 30"
E18-2b	AHEAD					SB	SIGN TO REMAIN	24" x 12"
E18-3	ADVANCE INTERSECTION LANE CONTROL	POST MOUNTED (GROUND)	181+97	33.0'	LT	SB	SIGN AND POST TO REMAIN	30" x 30"
CENTRAL AVENUE (STA 192+16 TO STA 194+00)								
E18-4	DO NOT ENTER	MOUNTED ON DECORATIVE STREET LIGHT POLE	192+53	35.4'	RT	SB	SIGN AND POLE TO REMAIN	36" x 36"
E18-5	2 HR PARKING	POST MOUNTED (GROUND)	192+74	120.5'	RT	SB	SIGN AND POST TO REMAIN	12" x 18"
E18-6	2 HR PARKING / NO PARKING ANY TIME	POST MOUNTED (GROUND)	192+74	81.5'	RT	SB	SIGN AND POST TO REMAIN	24" x 18"
E18-7	NO OUTLET	POST MOUNTED (GROUND)	192+75	61.2'	RT	EB	SIGN AND POST TO REMAIN	30" x 30"
E18-8	NO PARKING ANY TIME	MOUNTED ON DECORATIVE STREET LIGHT POLE	193+00	35.9'	LT	WB	SIGN AND POLE TO REMAIN	24" x 30"
E18-9	2 HR PARKING	POST MOUNTED (GROUND)	193+15	134.1'	RT	NB	SIGN AND POST TO REMAIN	12" x 18"
E18-10	2 HR PARKING	POST MOUNTED (GROUND)	193+15	89.5'	RT	NB	SIGN AND POST TO REMAIN	12" x 18"
E18-11	(SHARED POST)	POST MOUNTED (GROUND)	193+17	52.9'	RT		POST TO REMAIN	
E18-11a	MAPLE ST					WB	SIGN TO REMAIN	36" x 10"
E18-11b	CENTRAL AV					WB	SIGN TO REMAIN	36" x 10"
E18-11c	STOP SIGN					WB	SIGN TO REMAIN	30" x 30"
E18-12	DO NOT ENTER	POST MOUNTED (GROUND)	193+36	72.9'	RT	NB	SIGN AND POST TO REMAIN	24" x 36"
E18-13	MUNICIPAL LOT DIRECTION	MOUNTED ON DECORATIVE STREET LIGHT POLE	193+30	36.8'	RT	NB	SIGN AND POLE TO REMAIN	36" x 36"
E18-14	EXIT ONLY	POST MOUNTED (GROUND)	193+38	40.6'	LT	WB	SIGN AND POST TO REMAIN	24" x 30"
INTERSTATE 94 (STA 413+00 TO STA 424+00)								
E19-1	SPEED LIMIT 55	POST MOUNTED (GROUND)	420+23	61.2'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED	48" x 60"
E19-2	TRUCKS USE 2 RIGHT LANES	WOOD POST MOUNTED (GROUND)	421+60	63.6'	RT	NB	SIGN PANEL ASSEMBLY TO BE RELOCATED	48" x 60"
E19-3	TRUCKS USE 2 RIGHT LANES	WOOD POST MOUNTED (GROUND)	422+68	60.8'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED	48" x 60"

FILE NAME =	USER NAME = BAWtor.t	DESIGNED - JLV	REVISED -
g:\ch11\0158\road\Sheets\016T35-SHT-SIGN-SCH1.dgn		DRAWN - MTS	REVISED -
	PLOT SCALE = 40.000' / in.	CHECKED - RCB	REVISED -
	PLOT DATE = 11/30/2012	DATE - 10/31/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULE

SCALE: N.T.S SHEET NO. 299 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	299
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTE:

1. SIGN SHALL BE RE-ERECTED ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATION (PROTECTION AND RESTORATION OF TRAFFIC SIGNS). ADDITIONAL SIGNS THAT HAVE NOT BEEN SURVEYED BUT ARE OBSCURED BY CONSTRUCTION OPERATIONS SHALL ALSO BE RE-ERECTED ACCORDING TO ARTICLE 107.25.
2. ALL EXISTING PRIVATE SIGNS WITHIN THE STATE ROW THAT INTERFERE WITH CONSTRUCTION OPERATIONS WILL BE REMOVED AND REPLACED BY OTHERS. THE CONTRACTOR SHALL NOTIFY THE OWNERS PRIOR TO THE START OF CONSTRUCTION.
3. EXISTING SIGN PANEL AND ASSEMBLY TO BE REMOVED SHALL BE DELIVERED TO AN IDOT MAINTENANCE YARD SPECIFIED BY THE ENGINEER.

EXISTING SIGNS

EXISTING SIGN NUMBER	PANEL DESCRIPTION	SIGN SUPPORT	STATION	OFFSET	FACING TRAFFIC	ACTION	DIMENSION W x H
INTERSTATE 94 (STA 424+00 TO STA 435+00)							
E20-1	KOHL CHILDREN'S MUSEUM	WOOD POST MOUNTED (GROUND)	425+89	65.9'	RT	NB	SIGN PANEL ASSEMBLY TO BE REMOVED
E20-2	(SHARED POST)	POST MOUNTED (GROUND)	426+67	62.0'	LT		SIGN PANEL ASSEMBLY TO BE RELOCATED
E20-2a	EAST					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E20-2b	94 SHIELD					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E20-2c	SOUTH					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E20-2d	RTE 41					SB	SIGN PANEL TO BE RELOCATED WITH ASSEMBLY
E20-3	41 SOUTH / SKOKIE ROAD / EXIT 34A	DUAL POST MOUNTED (GROUND)	432+44	72.4'	LT	SB	SIGN PANEL, POSTS AND FOUNDATIONS TO BE REMOVED
INTERSTATE 94 (STA 435+00 TO STA 446+00)							
E21-1	RAMP 25 MPH	MOUNTED ON LIGHT POLE	437+72	77.3'	RT	NB	SIGN AND POLE TO REMAIN
E21-2	EXIT 30A-B / DUNDEE ROAD	TRUSS MOUNTED	439+47	23.0'	RT	NB	SIGN PANEL TO BE REMOVED
E21-3	EXIT 33A / WEST WILLOW ROAD	TRUSS MOUNTED	439+47	39.5'	RT	NB	SIGN PANEL TO BE REMOVED
E21-4	EXIT 33B / EAST WILLOW ROAD	TRUSS MOUNTED	439+47	63.0'	RT	NB	SIGN PANEL TO BE REMOVED
E21-5	EXIT 33B	WOOD POST MOUNTED (GROUND)	440+17	62.9'	RT	NB	SIGN PANEL AND POST TO BE REMOVED
E21-6	STOP SIGN AHEAD	POST MOUNTED (GROUND)	870+80	15.8'	RT	NB	SIGN AND POST TO REMAIN
E21-7	STOP SIGN AHEAD	POST MOUNTED (GROUND)	870+83	30.3'	LT	NB	SIGN AND POST TO REMAIN
E21-8	WRONG WAY	POST MOUNTED (GROUND)	872+09	10.8'	RT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E21-9	WRONG WAY	POST MOUNTED (GROUND)	872+13	24.1'	LT	SB	SIGN PANEL ASSEMBLY TO BE RELOCATED
E21-10	EXIT 33A / WEST WILLOW ROAD	MOUNTED ON BRIDGE	443+91	42.0'	RT	NB	SIGN PANEL TO BE REMOVED
E21-11	14FT 4IN	MOUNTED ON BRIDGE	444+03	27.0'	RT	NB	SIGN PANEL TO BE RELOCATED ON BRIDGE
E21-12	EAST INTERSTATE 94 / SOUTH 41 / CHICAGO	DUAL WOOD POSTS	802+89	32.3'	LT	SB	SIGN PANEL AND POSTS TO BE REMOVED
E21-13	MERGE	WOOD POST MOUNTED (GROUND)	442+90	61.3'	LT	SB	SIGN AND POST TO REMAIN