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# DRAINAGE SHEET 1 U.S. ROUTE 30 STA 3648+00 TO STA 3660+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	EDAME & ODATE	RIM				IN	VERT ELEVA	TIONS			
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
1-01	3657+20.00	56.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.39						600.11			603.39
1-02	3657+20.00	89.3' LT	PRC FES 12				599.79							
1-03	3659+55.00	8.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.60						601.32			602.60
1-04	3659+55.00	39.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.12		601.03				601.03			602.12
1-05	3659+55.00	80.1' LT	PRC FES 12								600.65			
1-06	3657+15.00	39.7' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.75		600.31							603.75
1-07	3657+15.00	71.8' RT	PRC FES 12								600.00			
1-08	3658+85.00	36.0' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	605.63		599.51							602.63
1-09	3658+85.00	68.0' RT	PRC FES 12								599.20			
1-10	3659+26.00	82.3' RT	PRC FES 12				601.00							
1-11	3659+50.00	71.9' RT	PRC FES 15										598.35	

# DRAINAGE SHEET 2 U.S. ROUTE 30 STA 3660+00 TO STA 3672+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				11	NVERT ELEVA	ATIONS			
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
2-01	3660+60.00	36.0' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	604.55		598.88							601.55
2-02	3660+60.00	67.3' RT	PRC FES 12								598.30			
2-03	3662+05.00	51.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	603.40						599.01			600.40
2-04	3662+05.00	77.1' LT	PRC FES 12				598.76							
2-05	3662+62.00	8.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	603.83				599.12					600.83
2-06	3662+05.00	8.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.16		598.58						598.58	601.16
2-07	3662+05.00	36.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.72		598.18				598.18		598.18	600.72
2-08	3662+05.00	67.1' RT	PRC FES 12								597.60			
2-09	3662+70.00	36.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	603.34				598.80					600.34
2-10	3662+94.80	100.0' LT	CIP RC END SEC 42										594.67	
2-11	3663+17.00	96.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	601.37	594.76			594.66				594.56	
2-12	3664+30.00	65.6' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	601.12				594.00	595.90			593.90	
2-13	3664+45.00	44.0' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.79		593.81		593.81				593.71	
2-14	3666+19.00	44.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.16		595.44		593.29				593.19	
2-15	3667+00.00	44.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.63				593.00				592.50	
2-16	3667+82.00	44.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.06	595.29			592.39	593.04			592.29	
2-17	3669+48.00	44.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.32		594.95		592.05				591.95	
2-18	3670+69.00	44.0' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	600.71		594.69		591.78				591.68	
2-19	3671+00.00	43.6' LT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	599.98				591.64				591.14	
2-20	0019+09.00	6.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.77								596.47	
2-21	0019+19.00	41.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.05				596.02				596.02	
2-22	3662+60.00	71.5' RT	CIP RC END SEC 24										596.42	
2-23	3663+23.20	63.2' RT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	601.89				595.96				595.96	
2-24	3664+46.00	72.2' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	599.62		594.89		594.89		594.79			
2-25	3663+90.50	76.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	601.37								596.09	
2-26	3664+45.00	79.8' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	600.77				595.92		595.82			
2-27	3667+07.00	36.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	602.19		597.52							
2-28	3666+91.40	64.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.45			597.23			597.23			
2-29	3666+69.15	66.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.31				597.05			597.05		
2-30	3666+13.00	47.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.43				596.49		596.49		596.49	598.43
2-31	3666+13.00	6.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.14		596.12		596.12		596.12			599.14
2-32	3666+13.00	38.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.70		595.72		595.72		595.47			598.70
2-33	3665+93.00	38.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.68								595.89	598.68
2-34	3665+93.00	6.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	602.12								596.29	599.12
2-35	3665+93.00	47.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.41								596.66	598.41
2-36	0008+60.00	16.9' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.55								594.58	
2-37	0008+60.00	17.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.55				594.27				594.17	
2-38	0008+66.00	28.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.14		593.98		594.08					
2-39	0009+39.00	28.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.72						593.29		593.19	
2-40	3667+88.00	38.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	602.68				595.41					
2-41	3669+48.50	4.8' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	602.48						595.30			599.48
2-42	3670+65.00	36.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	600.31						595.40			597.31
2-43	3670+65.00	38.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.31		594.69				594.69			597.31
2-44	3663+18.80	79.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.92				594.93 (TEMP)		594.82			
2-45	0019+22.00	52.4' LT	CB, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	601.05		595.94		595.94					
2-46	3660+14.00	71.9' RT	PRC FES 15						598.03					

# DRAINAGE SHEET 3 U.S. ROUTE 30 STA 3672+00 TO STA 3684+00 LEFT SIDE

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				II.	IVERT ELEVA	TIONS			
NUMBER	STATION	OFFSET	STRUCTURE TIPE	FRANCE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
3-01	3673+05.00	32.3' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	598.74				594.47					595.74
3-02	3672+52.00	33.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	598.60				593.97				593.97	595.60
3-03	3672+08.00	34.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	598.65		593.57						593.57	595.65
3-04 *	3672+08.00	26.0' LT	EX MANHOLE TO BE ADJUSTED	EXISTING	598.83		592.54		591.04		593.54		EX = 590.54	
3-05 *	3674+79.00	21.7' LT	EX MANHOLE TO BE ADJUSTED	EXISTING	599.69		594.34		EX = 590.44	595.34		EX = 590.34		
3-06	3674+79.00	28.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	599.56		595.35							596.56
3-07 **	3676+74.00	43.5' LT	EX MANHOLE		EX = 599.70				EX = 589.90				EX = 589.68	
3-08	3680+63.00	27.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	600.21	596.28								597.21

- \* CORING THE HOLES IN STRUCTURES 3-04 AND 3-05 IN ORDER TO CONNECT THE PROPOSED STORM SEWER PIPES SHALL BE INCLUDED IN THE COST OF THE ADJUSTMENTS.
- \*\* REMOVING THE EXISTING RESTRICTOR PLATE AND INSTALLING THE NEW RESTRICTOR PLATE IN STRUCTURE 3-07 SHALL BE PAID FOR AS DRAINAGE RESTRICTOR.



USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE STRUCTURE	E SCHEDULES		575	14W - R	WILL	681	207
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-01	STA.	TO STA.	FED. RO	AD DIST. NO. 7 ILLINOIS FED. A	D PROJECT		

# DRAINAGE SHEET 4 U.S. ROUTE 30 STA 3672+00 TO STA 3684+00 RIGHT SIDE

STRUCTURE	STATION	OFFSET	OTPLICTURE TYPE	EDAME & CDATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
4-01	3672+95.00	30.6' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	598.74				593.87					595.74
4-02	3672+52.00	31.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	598.64				593.47				593.47	595.64
4-03	3672+08.00	32.8' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	598.69						593.07		593.07	595.69
4-04	3674+79.00	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	599.57						594.78			596.57
4-05	3679+00.00	81.9' RT	PRC FES 18								587.84			
4-06	3679+22.66	29.2' RT	EX MANHOLE TO BE RECONSTRUCTED	EXISTING	599.95		588.11				EX = 588.11		EX = 588.12	
4-07	3680+63.00	27.5' RT	INLET, TYPE B	TYPE 24 FRAME AND GRATE	599.33					596.01			595.91	596.33
4-08	3681+45.00	27.5' RT	INLET, TYPE B	TYPE 24 FRAME AND GRATE	598.84				595.52				595.42	595.84
4-09	3682+03.00	27.5' RT	INLET, TYPE B	TYPE 24 FRAME AND GRATE	598.64				594.88				594.78	595.64 (2)
4-10	3682+23.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	598.67				594.62		594.37		594.62	595.67
4-11	3682+22.40	21.2' RT	EX MANHOLE TO BE ADJUSTED	EXISTING	598.83		594.36		EX = 588.36				EX = 588.46	
4-12	3683+05.00	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	598.92				595.01					595.92
4-13	3683+90.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	599.26		594.82					594.57	594.82	596.26
4-14	3683+98.38	19.9' RT	EX MANHOLE TO BE ADJUSTED	EXISTING	599.50			594.54	EX = 588.54				EX = 588.64	
4-15	3683+85.76	43.9' RT	CB, TYPE C	TYPE 8 GRATE	598.50						594.89			

<sup>\*</sup> CORING THE HOLES IN STRUCTURES 4-11 AND 4-15 IN ORDER TO CONNECT THE PROPOSED STORM SEWER PIPES SHALL BE INCLUDED IN THE COST OF THE ADJUSTMENTS.

# DRAINAGE SHEET 5 U.S. ROUTE 30 STA 3684+00 TO STA 3696+00 LEFT SIDE

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSEI	STRUCTURE TIPE	FRAIVIE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
5-01	3684+36.82	20.9' LT	EX MANHOLE TO BE ADJUSTED	EXISTING	600.80				EX = 588.54		592.83		EX = 588.64	
5-02	3684+41.47	55.6' LT	CB, TYPE C	TYPE 8 GRATE	598.29		593.14							
5-03	3687+10.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.40		596.84						596.84	598.40
5-04	3687+80.00	27.5' LT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	601.10				597.16	598.22				598.10
5-05	3691+00.00	27.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.02								596.89	598.02
5-06	3691+83.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.84		595.84		596.09				595.84	597.84 (2)
5-07	3692+10.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.86				596.07				596.07	597.86
5-08	3692+60.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.02				596.53				596.53	598.02
5-09	3694+55.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.23				597.48				597.73	599.23
5-10	3687+59.61	45.5' LT	INLET, TYPE A	TYPE 1 FRAME, OPEN LID	600.44	598.34								·

<sup>\*</sup> CORING THE HOLE IN STRUCTURE 5-01 IN ORDER TO CONNECT THE PROPOSED STORM SEWER PIPE SHALL BE INCLUDED IN THE COST OF THE ADJUSTMENT.

# DRAINAGE SHEET 6 U.S. ROUTE 30 STA 3684+00 TO STA 3696+00 RIGHT SIDE

STRUCTURE	OTATION	OFFOFT	OTDUOTURE TYRE	EDAME & ODATE	RIM				INVERT EL	EVATIONS.				
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
6-01	3684+60.00	27.5' RT	INLET, TYPE B	TYPE 24 FRAME AND GRATE	599.53		595.25		595.15				595.25	596.53
6-02	3684+60.00	41.9' RT	CB, TYPE C	TYPE 8 GRATE	598.85						595.31			
6-03	3685+15.00	27.5' RT	INLET, TYPE B	TYPE 24 FRAME AND GRATE	599.75				595.50				595.60	596.75
6-04	3686+00.00	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	600.08				596.01					597.08
6-05	3686+72.91	27.3' RT	EX MANHOLE TO BE ADJUSTED	EXISTING	600.59				EX = 588.77				596.52	
6-06	3686+85.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.64				596.55		596.55			597.64
6-07	3690+23.93	23.7' RT	EX MANHOLE TO BE ADJUSTED	EXISTING	601.33		EX = 596.78		EX = 589.05				591.05	
6-08	3691+83.82	22.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	600.95		593.91		591.66		595.41		591.76	
6-09	3692+38.00	22.0' RT	MH, TYPE A, 9'-DIAMETER	TYPE 1 FRAME, CLOSED LID	601.04	594.04			591.94				592.04	
6-10	3694+25.00	22.0' RT	MH, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.15	597.75			592.75				592.85	
6-11	3695+65.00	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.03	598.25			593.25				593.35	
6-12	3691+57.36	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	600.86	595.99								597.86
6-13	0010+40.81	21.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.69		593.97			595.74	593.97			
6-14	0010+58.86	15.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.77						594.04		595.79	
6-15	0010+56.19	15.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.59		595.93		595.93					
6-16	0011+05.00	14.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.30		596.15				596.15		596.15	
6-17	0011+25.00	13.9' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	600.44						596.24			
6-18	3692+47.40	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	600.97		594.08			594.08				597.97
6-19	3694+35.00	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	602.10					597.82				599.10
6-20	3695+75.00	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	602.98					598.33				599.98
6-21	0010+93.67	28.9' LT	CB, TYPE C	TYPE 1 FRAME, OPEN LID	601.15		EX = 598.33		596.30		TO BE PLUGGED			
6-22	3692+47.50	42.3' RT	CB, TYPE C	TYPE 1 FRAME, OPEN LID	601.55						594.20		EX = 598.46	

<sup>\*</sup> CORING THE HOLES IN STRUCTURES 6-05 AND 6-07 IN ORDER TO CONNECT THE PROPOSED STORM SEWER PIPES SHALL BE INCLUDED IN THE COST OF THE ADJUSTMENTS.

					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAINAGE STRUCTURE	SCHEDULES		575	14W - R	WILL	681	208
							CONTRACT	NO. 6	0P95
SCALE: NTS   SHEET NAME: DUS-02   STA. TO STA.						DAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		

<sup>\*\*</sup> CORING THE HOLE IN STRUCTURE 4-06 IN ORDER TO CONNECT THE PROPOSED STORM SEWER PIPE SHALL BE INCLUDED IN THE COST OF THE RECONSTRUCTION. INSTALLING THE WEIR PLATE IN STRUCTURE 4-06 SHALL BE PAID FOR AS DRAINAGE WEIR.

<sup>\*\*</sup> STRUCTURE 6-06 SHALL HAVE A REDUCED 15" SUMP IN ORDER TO AVOID IMPACTING THE EX 60" RSP SS.

# DRAINAGE SHEET 7 U.S. ROUTE 30 STA 3696+00 TO STA 3708+00

STRUCTURE	OTATION	OFFOFT	OTPLIOTURE TYPE	EDAME & ODATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
7-01	3696+35.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.36				598.61				598.61	600.36
7-02	3697+85.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.30				599.34				599.34	601.30
7-03	3697+40.00	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	604.13	599.86			593.86				593.96	
7-04	3699+90.00	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.65	599.69			594.69				594.79	
7-05	3703+25.00	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	604.16	599.78			595.78				596.28	
7-06	3705+72.00	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.85		598.32		597.32		597.42		598.82	
7-07	3697+50.00	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	604.08					599.93				601.08
7-08	3699+99.64	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.57					599.75			599.75	602.57
7-09	3700+86.51	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.49				600.59					602.49
7-10	3703+35.00	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	603.99					599.85				600.99
7-11	3704+95.00	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	602.99								599.02	599.99
7-12	3705+52.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.76				598.48				598.48	599.76
7-13	3705+72.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.74				598.32		598.32		598.32	599.74 (2)
7-14	3705+87.32	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.75				598.44				598.44	599.75
7-15	3707+14.67	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.42				599.05				599.05	600.42
7-16	3707+35.00	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	603.54				599.14					600.54
7-17	3702+40.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.58				600.03				600.03	601.58
7-18	3703+85.00	30.6' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.68				599.32				599.32	600.68
7-19	3704+90.00	33.2' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.02				598.81				598.48	600.02
7 <b>-</b> 20	3705+72.00	35.2' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.74		597.94		598.11				597.94	599.74 (2)
7-21	3705+92.00	35.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.75				598.02				598.02	599.75
7-22	3706+35.00	36.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.88				598.22				598.22	599.88
7-23	3707+35.00	39.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.42				598.70				598.95	600.42
7-24	3699+10.09	32.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, OPEN LID	604.88				599.95				599.95	
7-25	3700+25.36	32.5' LT	INLET, TYPE A	TYPE 1 FRAME, OPEN LID	605.18				600.51					
7-26	3700+60.35	32.5' LT	INLET, TYPE A	TYPE 1 FRAME, OPEN LID	605.38								600.91	
7-27	3705+43.14	39.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, OPEN LID	602.71				598.23				598.23	
7-28	3705+39.36	22.0' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.97				597.11		*EX = 599.67		597.21	

<sup>\*</sup> THE SOUTHWEST INVERT FOR STRUCTURE 7-28 IS TO CONNECT THE EXISTING 24" STORM SEWER DURING STAGE 1 TO MAINTAIN TEMPORARY DRAINAGE. ONCE PIPE 7-20 IS CONSTRUCTED AND THE DRAINAGE FOR THE SOUTHBOUND LANES IS ONLINE, THE EXISTING 24" STORM SEWER SHALL BE ABANDONED AND THE HOLE IN STRUCTURE 7-28 BRICK AND MORTARED. THE WORK TO PATCH THE HOLE IN STRUCTURE 7-28 SHALL BE INCLUDED IN THE COST OF THE STRUCTURE.

# DRAINAGE SHEET 8 U.S. ROUTE 30 STA 3708+00 TO STA 3720+00

STRUCTURE	OTATION	OFFSET	OTPHOTHER TYPE	EDAME A ODATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
8-01	3708+90.00	23.0' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.46		600.35		600.14	600.30			600.39	
8-02	3710+35.00	20.4' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.46	601.13			601.03				601.13	
8-03	3711+25.00	19.6' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	605.98			602.08						602.98
8-04	3708+27.77	27.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	603.92					600.31				600.92
8-05	3708+90.00	29.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	604.49						600.37			601.49
8-06	3709+52.57	34.4' RT	INLET, TYPE A	TYPE 1 FRAME, OPEN LID	605.03								601.34	
8-07	3709+78.01	26.9' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.86				601.22	601.22				601.86
8-08	3708+70.38	5.5' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	604.86	600.53								601.86
8-09	3710+45.00	28.3' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.35					601.18				602.35
8-10	3708+60.00	42.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.36				599.55				599.55	601.36
8-11	3710+15.00	45.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.24				600.31				600.56	602.24
8-12	3711+70.00	48.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.12				601.31				601.31	603.12
8-13	3712+55.00	52.1' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.56				601.72				601.72	603.56
8-14	3714+43.74	67.2' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.58				602.65					604.58
8-15	0021+73.57	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.75			600.91				600.91		602.75
8-16	0020+95.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.63			601.66			601.66			603.63
8-17	3713+60.00	20.3' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.23		601.96							604.23
8-18	0018+13.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.94			601.56				601.56		603.94 (2)
8-19	0018+55.00	27.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.03							601.68		604.03
8-20	0018+17.42	38.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.74							602.45		604.74
8-21	3714+68.42	17.3' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	608.00			595.36					595.46	
8-22	0020+50.00	27.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.91			603.17						
8-23	3716+45.00	62.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.30			602.20					602.10	
8-24	3717+60.00	61.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.92				600.99				600.99	
8-25	3719+95.00	56.6' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.28		598.44		598.69	596.69			596.79	
8-26	3716+42.49	55.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.81			602.24				602.24		605.81
8-27	3715+84.00	21.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.92			602.87				602.87		605.92
8-28	3715+45.00	17.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.24				603.38			603.38	603.38	605.24
8-29	3715+09.67	17.7' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	608.16								603.70	605.16
8-30	3716+50.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	608.85				604.40					605.85
8-31	3719+95.00	49.6' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.80		598.71				598.46			605.80
8-32	3719+95.00	16.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.46	599.00			599.00		599.00			
8-33	3719+34.00	29.1' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	609.68								599.59	606.68
8-34	3719+40.00	16.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	609.18								599.98	606.18
8-35	3719+27.43	131.2' LT	PRC FES 36			596.50								
8-36	3710+86.00	48.5' RT	CB, TYPE C	TYPE 8 GRATE	603.82						601.64			600.82
8-37	3708+23.19	22.8' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.99	600.30			599.80				599.90	
8-38	3709+72.54	21.5' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.12	601.20			600.70				600.80	
8-39	3710+85.49	19.5' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.75		601.52		601.32			601.82		

®	Tran	Systems
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USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
	DRAINAGE STRUCTURE	: SCHEDULES	5	575	14W - R	WILL	681	209
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-03	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. A	D PROJECT		

# DRAINAGE SHEET 9 U.S. ROUTE 30 STA 3720+00 TO STA 3732+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION		STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
9-01	3720+90.00	45.2' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.11		601.92		596.92				597.02	
9-02	3723+55.00	35.6' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	608.33		599.33		597.33				597.43	
9-03	3724+15.00	35.1' LT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	607.67	597.70			597.50			599.50	597.60	
9-04	3726+20.00	29.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	607.41		599.83		597.83				597.93	
9-05	3727+40.00	26.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.99		600.07		598.07				598.17	
9-06	3728+60.00	23.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.58		600.31		598.31				598.41	
9-07	3730+40.00	23.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.34		600.37		598.62		598.82		598.72	
9-08	3731+55.00	22.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.39		600.85		598.85		600.85		598.95	
9-09	3720+90.00	39.1' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.66						601.94		601.94	605.66
9-10	3721+50.00	34.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.52				602.50				602.50	605.52
9-11	3722+40.00	32.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	608.23				603.37					605.23
9-12	3723+55.00	29.6' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	607.85						599.35			604.85
9-13	0009+41.00	15.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.81			599.69	599.69		599.69			
9-14	0009+45.00	15.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.90								599.97	
9-15	0008+83.00	15.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.45		600.24		600.24					
9-16	0008+83.00	15.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.45								600.51	
9-17	3724+75.00	6.4' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.45					597.99			600.17	604.45
9-18	3726+05.00	9.7' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.00				601.44					604.00
9-19	3726+20.00	23.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.95						599.85			603.95
9-20	3727+40.00	20.0' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.53						600.09			603.53
9-21	3728+60.00	17.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.11		600.32				600.32			603.11
9-22	3728+60.00	16.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.11				600.61		600.61			603.11
9-23	3727+35.00	12.9' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.54								601.83	603.54
9-24	3730+40.00	60.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.82		598.97		599.07				599.22	
9-25	3730+03.98	43.9' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.83				599.25		599.25		599.25	601.83 (2)
9-26	3729+65.00	26.8' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.28								599.45	602.28
9-27	0008+74.73	26.9' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.40		599.34							602.40
9-28	0009+32.00	18.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.22	599.41			599.41					602.22 (2)
9-29	0009+52.00	18.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.17					599.50				602.17
9-30	3730+31.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.60				600.80		600.55		600.80	602.60 (2)
9-31	3729+90.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.65								601.18	602.65
9-32	3730+51.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.61				600.88				600.88	602.61
9-33	3731+05.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.76				601.13				601.13	602.76
9-34	3731+56.07	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	605.93						600.87			602.93
9-35	3731+55.00	34.4' LT	CB, TYPE C	TYPE 8 GRATE	606.01		600.93							
9-36	3720+10.00	14.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.79				599.31	599.31			599.31	605.79
9-37	3720+85.00	13.2' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.58				600.02				600.02	605.58
9-38	3721+65.00	11.6' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.35				600.78				600.78	605.35
9-39	3722+55.00	9.9' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.09				601.64				601.64	605.09
9-40	3723+55.00	7.9' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.80				602.61					604.80

# DRAINAGE SHEET 10 U.S. ROUTE 30 STA 3732+00 TO STA 3744+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TIPE	FRAIVIE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
10-01	3732+85.00	22.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.83		601.10		599.10				599.20	
10-02	3735+80.00	23.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.98				599.55		601.55		599.65	
10-03	3738+17.00	23.0' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.88		601.42		599.92				600.92	
10-04	3739+80.00	22.5' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	607.47		602.24		601.24				601.34	
10-05	3741+20.00	22.5' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	608.12		602.61		601.61				601.71	
10-06	3732+85.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.37						601.12			603.37
10-07	3735+80.00	33.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.96		601.60				601.60		601.60	
10-08	0009+63.32	16.7' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.68				601.87					
10-09	0009+25.00	27.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.48		602.00							
10-10	3738+17.00	16.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.41		601.68		601.93		601.43		601.93	603.41 (2)
10-11	3737+95.00	16.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.43								602.12	603.43
10-12	3738+40.00	16.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.43				602.13					603.43
10-13	3738+17.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.41				602.07		601.82		602.07	603.41 (2)
10-14	3737+97.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.42				602.15				602.15	603.42
10-15	3737+00.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.69								602.62	603.69
10-16	3738+37.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.42				602.15				602.15	603.42
10-17	3739+55.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.89				602.72				602.72	603.89
10-18	3741+05.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.59				603.46					604.59
10-19	3739+80.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	607.01						602.26			604.01
10-20	3741+20.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	607.66						602.63			604.66
10-21	3732+30.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.19				601.74				601.74	603.19
10-22	3733+55.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	606.61				602.35					603.61

®	Tran Systems

USER NAME = bshaefliger	DESIGNED -	-		REVISED	-
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	-		REVISED	-
PLOT SCALE = 100.0000 ' / in.	CHECKED -	-		REVISED	-
PLOT DATE = 10/23/2014	DATE	-	08/18/2014	REVISED	-

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE STRUCTURI	SCHEDULES		575	14W - R	WILL	681	210
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-04	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. A	ID PROJECT		

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DRAINAGE SHEET 11 U.S. ROUTE 30 STA 374	14+00 TO STA 3756+00
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STRUCTURE	STATION	OFFORT	CTDUCTURE TVRE	EDAME & CDATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
11-01	3745+00.00	22.5' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	608.18		602.96		602.46				602.96	
11-02	3746+95.00	22.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.13		604.03		603.53				603.63	
11-03	3748+65.00	22.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.34		604.62		604.12					
11-04	3745+00.00	16.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.72		603.21				602.96		603.46	604.72
11-05	3745+20.00	16.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.71				603.54				603.54	604.71 (2)
11-06	3745+40.00	16.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	607.72				603.63					604.72
11-07	3745+00.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.72						603.36		603.61	604.72
11-08	3745+20.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.71				603.69				603.69	604.71 (2)
11-09	3745+40.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.72				603.77				603.77	604.72
11-10	3746+75.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	608.53				604.42				604.42	605.53
11-11	3748+60.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	609.84				605.33					606.84
11-12	3746+95.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	608.67						604.06			605.67
11-13	3748+65.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	609.88						604.65			606.88
11-14	3752+40.00	22.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	611.37		606.35						605.35	
11-15	3753+65.00	22.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.90		605.76		604.86				604.76	
11-16	3754+90.00	22.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.42		605.18		604.28				604.18	
11-17	3755+15.00	11.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.98				604.08				603.98	
11-18	3752+40.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	610.91						606.38			
11-19	3753+65.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	610.44						605.79			
11-20	3754+90.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	609.96						605.21			
11-21	3755+10.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	609.88				605.67				605.67	606.88
11-22	3753+55.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.47								606.43	607.47

# DRAINAGE SHEET 12 U.S. ROUTE 30 STA 3756+00 TO STA 3768+00

STRUCTURE	OTATION	OFFSET	OTPHOTUPE TYPE	FDAME A ODATE	RIM				INVERT EL	EVATIONS				i
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
12-01	3756+40.00	12.0' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	609.62		604.00		603.50	604.00			603.40	
12-02	3758+15.00	12.0' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	610.27		604.62		602.72				602.62	
12-03	3760+10.00	12.0' LT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	611.14				601.86			604.48	601.76	
12-04	3761+85.00	12.5' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	611.91		603.68		601.08	604.98			600.98	
12-05	3763+70.00	10.6' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	612.42				600.27				600.17	
12-06	3763+90.00	18.7' LT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	612.68	607.01			600.11				600.01	
12-07	3764+00.00	18.4' LT	MH, TYPE A, 6'-DIAMETER, RESTRICTOR PLATE	2 TYPE 1 FRAME, CLOSED LID	612.61				599.99				599.78	
12-08	3764+08.16	20.7' LT	EX MANHOLE TO BE ADJUSTED	EXISTING	612.19				599.77				EX = 599.77	
12-09	3763+95.00	15.8' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	612.18						607.29			
12-10	3756+35.00	16.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	609.51	604.03			604.28				604.28	
12-11	3756+15.00	16.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	609.53								604.45	İ
12-12	3756+75.00	16.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	609.57				604.65					
12-13	3756+35.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	609.51				604.50		604.25		604.50	
12-14	3756+15.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	609.53				604.66				604.66	
12-15	3756+85.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	609.60				604.96				604.96	
12-16	3758+15.00	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.16				606.23					i
12-17	3758+10.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	610.14	604.66								
12-18	3760+63.87	31.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	611.15		604.52						604.52	İ
12-19	3761+05.00	16.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	611.45				605.00				605.00	İ
12-20	3760+12.90	19.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	610.91				605.41					
12-21	3761+80.00	16.5' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	611.78	605.01								
12-22	3761+75.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	611.76				603.94		603.94			i
12-23	3761+15.44	27.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	611.42				604.50				604.50	i
12-24	3760+47.98	16.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	611.20								605.15	i
12-25	3763+95.00	14.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	612.22		607.03			607.03				i
12-26	0009+59.19	0.8' LT	CB, TYPE C	TYPE 1 FRAME, OPEN LID	611.32						EX = 604.92			i

# DRAINAGE SHEET 13 WEST FRONTAGE ROAD STA 10+00 TO STA 19+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSET	STRUCTURE TIPE	FRAINE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
13-01	0011+92.00	33.8' LT	PRC FES 18										605.09	
13-02	0013+07.00	28.5' LT	PRC FES 18						604.51					
13-03	0017+00.00	40.4' LT	CB, TYPE B	TYPE 7 GRATE	600.05		597.14							
13-04	0017+00.00	79.0' RT	PRC FES 18								596.10			
13-05	0014+82.00	13.2' RT	CB, TYPE C	TYPE 24 FRAME AND GRATE	606.11		597.90							
13-06	0014+82.00	84.0' RT	PRC FES 12								597.20			
13-07	0018+17.00	45.3' LT	PRC FES 12					598.00						
13-08	0018+17.00	6.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	601.09		596.69		596.69		596.69			
13-09	0018+17.00	78.5' RT	PRC FES 12	·							595.86			
13-10	0017+99.00	6.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	601.11								596.85	

USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 '/ in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE STRUCTUR	E SCHEDULES		575	14W - R	WILL	681	211
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-05	STA.	TO STA.	FED. R	OAD DIST. NO. 7   ILLINOIS FE	D. AID PROJECT		

# DRAINAGE SHEET 14 LILY CACHE ROAD STA 3+00 TO STA 9+00

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM				INVERT EL	EVATIONS				
NUMBER	STATION	OFFSEI	STRUCTURE TIPE	FRAIVIE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
14-01	0008+57.63	24.0' RT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	599.47		594.52		EX = 594.32		594.52		EX = 594.32	
14-02	0008+40.00	24.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	599.34		594.59				594.59		594.59	
14-03	0007+50.00	21.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	599.08		595.02				595.02			
14-04	0006+90.00	16.8' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	599.02		595.30						595.30	
14-05	0006+90.00	10.9' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	599.14				595.42					
14-06	0008+91.28	24.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	599.90						594.82			
14-07	0008+40.00	12.0' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	599.58				594.92					

# DRAINAGE SHEET 15 RENWICK ROAD STA 8+00 TO STA 18+00 LEFT SIDE

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM	INVERT ELEVATIONS								
NUMBER	STATION	OFFSET	STRUCTURE TIPE	FRANE & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
15-01	3717+12.45	131.5' LT	DETENTION BASIN OUTLET STRUCTURE	TYPE 1 FRAME, OPEN LID	601.94				595.94					
15-02	0015+94.92	115.0' LT	PRC FES 18							596.50				
15-03	0015+80.00	27.5' LT	CB, TYPE A, 5'-DIAMETER	TYPE 24 FRAME AND GRATE	606.63	596.76		601.76		598.76		598.76		603.63
15-04	0014+90.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.27			599.02				599.02		603.27
15-05	0014+20.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.99			599.21				599.21		602.99
15-06	0013+20.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.59			599.50				599.50		602.59
15-07	0012+79.75	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.44			599.61					599.61	602.44
15-08	0002+77.51	15.4' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.12				599.68			599.68		
15-09	0002+77.98	16.0' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.12			599.76			599.76			
15-10	0011+90.00	27.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.49		599.86							602.49
15-11	0017+07.55	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.07			602.13				602.13		604.07
15-12	0011+00.00	27.5' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.76							602.34		602.76
15-13	0010+40.00	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.94			602.06				602.06		602.94
15-14	0009+52.14	27.5' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.06			601.64		601.64				

# DRAINAGE SHEET 16 RENWICK ROAD STA 8+00 TO STA 18+00 RIGHT SIDE

STRUCTURE	CTATION	OFFSET	CTRUCTURE TYPE	EDAME & CDATE	RIM	INVERT ELEVATIONS								
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
16-01	0015+80.00	24.7' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	607.28	598.90		600.90				599.40	601.90	
16-02	0014+75.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.43			599.70				599.70		603.43
16-03	0013+45.00	16.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.91			600.08				600.08		602.91
16-04	0012+43.00	18.7' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	605.57			600.38				600.38		602.57 (2)
16-05	0012+10.00	19.5' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.59			600.47						602.59
16-06	0016+88.33	25.6' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	607.08			601.21				601.21		604.08
16-07	0017+93.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.96			601.51				601.51		603.96
16-08	0011+05.00	20.0' RT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	605.89							602.10		602.89
16-09	0009+64.00	20.0' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.22	601.41		601.41			601.41			
16-10	0009+50.60	26.9' RT	MH, TYPE A, 5'-DIAMETER	TYPE 1 FRAME, CLOSED LID	606.77		601.36					EX = 601.26		
16-11	0015+74.00	18.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	606.78				601.94					603.78

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USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 '/ in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAINAGE STRUCTURE	SCHEDULES		575	14W - R	WILL	681	212
					CONTRACT	NO. 6	OP95
SHEET NAME: DUS-06	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. AI	D PROJECT		

# DRAINAGE SHEET 17 RENWICK ROAD STA 22+00 TO STA 32+00 LEFT SIDE

STRUCTURE	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	RIM	RIM INVERT ELEVATIONS								
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN
17-01	0022+10.00	22.0' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.57			594.91				595.01		
17-02	0024+25.00	16.6' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.77		594.45					594.55		
17-03	0024+35.00	28.5' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.95			594.33			594.43			
17-04	0025+78.22	34.8' LT	MH, TYPE A, 7'-DIAMETER	TYPE 8 GRATE	599.90	EX = 594.00			596.10	594.10		594.10		
17-05	0026+00.00	17.8' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.02							598.32	596.32	600.02
17-06	0025+60.00	18.8' LT	INLET, TYPE A	TYPE 24 FRAME AND GRATE	602.93			598.69						599.93 (2)
17-07	0023+00.00	25.3' LT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	604.79	602.08						602.08		
17-08	0023+00.00	39.4' LT	MH, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	605.13			601.94		602.04				602.13
17-09	0023+12.00	39.4' LT	PRC FES 12									601.92		#VALUE!
17-10	0024+00.00	22.8' LT	CB, TYPE C	TYPE 24 FRAME AND GRATE	603.88	600.85								
17-11	0024+00.00	36.8' LT	PRC FES 12							600.79				

# DRAINAGE SHEET 18 RENWICK ROAD STA 22+00 TO STA 32+00 RIGHT SIDE

STRUCTURE	STATION	OFFSET	CTRUCTURE TYRE	EDAME & CDATE	RIM				INVERT EL	INVERT ELEVATIONS					
NUMBER	STATION	OFFSET	STRUCTURE TYPE	FRAME & GRATE	ELEVATION	NORTH	NORTHEAST	EAST	SOUTHEAST	SOUTH	SOUTHWEST	WEST	NORTHWEST	UNDERDRAIN	
18-01	0024+20.00	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	603.60			598.24				598.49		600.60	
18-02	0025+00.48	27.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.92				595.67			597.47		599.92	
18-03	0025+36.00	49.1' RT	CB, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, OPEN LID	602.64		595.30					595.55	595.30	İ	
18-04	0025+60.00	29.5' RT	CB, TYPE A, 4'-DIAMETER	TYPE 24 FRAME AND GRATE	602.72			595.03			595.03			599.72	
18-05	0025+79.80	26.4' RT	MH, TYPE A, 7'-DIAMETER	TYPE 1 FRAME, CLOSED LID	602.79	594.68		597.68		595.69	594.78	594.88			
18-06	0025+00.00	48.3' RT	CB, TYPE C	TYPE 8 GRATE	602.25			595.88						i	
18-07	0025+57.28	61.5' RT	MH, TYPE A, 6'-DIAMETER	TYPE 1 FRAME, CLOSED LID	603.17		595.17	EX = 595.27		EX = 595.27		·			
18-08	0025+84.00	51.9' RT	CB, TYPE C	TYPE 1 FRAME, OPEN LID	602.15	595.90									
18-09	0026+36.48	21.0' RT	CB. TYPE C	TYPE 24 FRAME AND GRATE	603.15							598.21		600.15	

PROFILE SURVEYED PLOTTED POTTED PROTECTED NOTE BOOK GRADES CHECKED NO. STRUCTURE NOTATINS GHKG

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USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 '/ in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

SCALE:

				F.A.P. RTE.	SEC.	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE STRUCTURE	575	14W - R			WILL	681	213		
						CONTRACT	NO. 6	0P95		
NTS	SHEET NAME: DUS-07	STA.	TO STA.	FED. R	OAD DIST. NO. 7	ILLINOIS FE	D. AI	D PROJECT		

# DRAINAGE SHEET 1 U.S. ROUTE 30 STA 3648+00 TO STA 3660+00

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	11176	SIZE (IIV)	LENGTH (FT)	SLOFE (10)	TBF (CO TD)
DU-01	1-01	1-01	1-02	STORM SEWERS, RG	Α	2	12	26.2	1.00	
DU-01	1-02	1-03	1-04	STORM SEWERS	Α	2	12	28.7	1.00	5
DU-01	1-03	1-04	1-05	STORM SEWERS, RG	Α	2	12	32.3	1.00	
DU-01	1-04	1-06	1-07	STORM SEWERS	Α	2	12	25.0	1.00	
DU-01	1-05	1-08	1-09	STORM SEWERS	Α	2	12	24.9	1.00	
DU-01	1-06	1-11	2-46	PIPE CULVERTS	Α	1	15	52.0	0.50	

# DRAINAGE SHEET 2 U.S. ROUTE 30 STA 3660+00 TO STA 3672+00

SHEET	PIPE		CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO				` '	` '	( /	(,
DU-02	2-01	2-01	2-02	STORM SEWERS	A	2	12	24.2	1.00	_
DU-02	2-02	2-03	2-04	STORM SEWERS, RG	Α	2	12	19.0	1.00	5
DU-02	2-03	2-05	2-06	STORM SEWERS	A	2	12	54.1	1.00	15
DU-02	2-04	2-06	2-07	STORM SEWERS	A	2	12	40.0	1.00	13
DU-02	2-05	2-07	2-08	STORM SEWERS	A	2	12	23.0	1.00	
DU-02	2-06	2-09	2-07	STORM SEWERS	A	2	12	62.1	1.00	16
DU-02	2-07	2-10	2-11	STORM SEWERS	A	1	42	2.7	0.40	
DU-02	2-08	2-11	2-12	STORM SEWERS	A	2	42	110.8	0.50	71
DU-02	2-09	2-12	2-13	STORM SEWERS	A	2	42	19.1	0.50	26
DU-02	2-10	2-13	2-14	STORM SEWERS	Α	2	42	167.3	0.25	198
DU-02	2-11	2-14	2-15	STORM SEWERS	Α	2	42	74.5	0.25	95
DU-02	2-12	2-15	2-16	STORM SEWERS	Α	2	48	75.0	0.15	117
DU-02	2-13	2-16	2-17	STORM SEWERS	Α	2	48	159.7	0.15	255
DU-02	2-14	2-17	2-18	STORM SEWERS	Α	2	48	114.5	0.15	154
DU-02	2-15	2-18	2-19	STORM SEWERS	Α	2	48	24.2	0.15	26
DU-02	2-16	2-19	3-04	STORM SEWERS	Α	2	54	101.1	0.10	90
DU-02	2-17	2-20	2-21	STORM SEWERS	Α	2	12	45.0	1.00	15
DU-02	2-18	2-21	2-47	STORM SEWERS	Α	2	12	7.8	1.00	
DU-02	2-19	2-22	2-23	STORM SEWERS	Α	2	24	50.9	0.91	
DU-02	2-20	2-23	2-24	STORM SEWERS, RG	Α	2	24	118.0	0.90	33
DU-02	2-21	2-24	2-13	STORM SEWERS	Α	2	24	109.8	0.90	81
DU-02	2-22	2-25	2-26	STORM SEWERS, RG	Α	2	12	51.7	1.00	
DU-02	2-23	2-26	2-24	STORM SEWERS	A	2	12	3.1	1.00	
DU-02	2-24	2-27	2-28	STORM SEWERS	Α	2	12	29.1	1.00	11
DU-02	2-25	2-28	2-29	STORM SEWERS	A	2	12	18.3	1.00	4
DU-02	2-26	2-29	2-30	STORM SEWERS	Α	2	12	55.3	1.00	20
DU-02	2-27	2-30	2-31	STORM SEWERS	A	2	12	37.0	1.00	12
DU-02	2-28	2-31	2-32	STORM SEWERS	A	2	12	40.0	1.00	15
DU-02	2-29	2-32	2-14	STORM SEWERS	Α	2	15	3.5	1.00	3
DU-02	2-30	2-33	2-32	STORM SEWERS	Α	2	12	17.0	1.00	6
DU-02	2-31	2-34	2-31	STORM SEWERS	Α	2	12	17.0	1.00	6
DU-02	2-32	2-35	2-30	STORM SEWERS	A	2	12	17.0	1.00	4
DU-02	2-33	2-36	2-37	STORM SEWERS	A	2	12	31.0	1,00	23
DU-02	2-34	2-37	2-38	STORM SEWERS	A	2	12	8.6	1.00	8
DU-02	2-35	2-38	2-39	STORM SEWERS	A	2	12	69.1	1.00	
DU-02	2-36	2-39	2-16	STORM SEWERS	A	2	12	15.2	1.00	22
DU-02	2-37	2-40	2-16	STORM SEWERS	A	2	12	4.2	1.00	4
DU-02	2-38	2-41	2-17	STORM SEWERS	A	2	12	34.7	1.00	27
DU-02	2-39	2-42	2-43	STORM SEWERS	A	2	12	71.0	1.00	20
DU-02	2-40	2-43	2-18	STORM SEWERS	A	2	12	1,6	1.00	1
DU-02	2-41	2-44	2-11	STORM SEWERS	A	2	24	12.1	0.50	9
DU-02	2-42	2-45	2-12	STORM SEWERS	A	2	12	4.2	1.00	, ,

# DRAINAGE SHEET 3 U.S. ROUTE 30 STA 3672+00 TO STA 3684+00 LEFT SIDE

SHEET	PIPE	STRUC	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	IIIFE	SIZE (IIV)	LENGTH (FT)	SLOPE (%)	TBF (CO TD)
DU-03	3-01	3-01	3-02	STORM SEWERS	Α	2	12	50.0	1.00	10
DU-03	3-02	3-02	3-03	STORM SEWERS	Α	2	12	40.0	1.00	10
DU-03	3-03	3-03	3-04	STORM SEWERS	Α	2	12	2.8	1.00	1
DU-03	3-04	3-06	3-05	STORM SEWERS	Α	2	12	1.3	1.00	1
DU-03	3-05	3-08	4-07	STORM SEWERS, RG	Α	1	12	52.5	0.50	6

USER NAME = bshaefliger	DESIGNED	-		REVISED	-
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN	-		REVISED	-
PLOT SCALE = 100.00000 '/ in.	CHECKED	-		REVISED	-
PLOT DATE = 10/23/2014	DATE	-	08/18/2014	REVISED	-

				F.A.P. RTE.	SEC-	TION		COUNTY	TOTAL SHEETS	SHEET NO.
DRAINAGE PIPE SCHEDULES					14W	- R		WILL	681	214
								CONTRACT	NO. 6	0P95
	SHEET NAME: DUS-08	STA.	TO STA.	FED. RO	OAD DIST. NO. 7	ILLIN01S	FED. A	D PROJECT		

# DRAINAGE SHEET 4 U.S. ROUTE 30 STA 3672+00 TO STA 3684+00 RIGHT SIDE

SHEET	PIPE	STRUC	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)	
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	ITPE	SIZE (IIV)	LENGIH (FI)	SLOPE (%)	TBF (CO TD)	
DU-04	4-01	4-01	4-02	STORM SEWERS	Α	2	12	40.0	1.00	11	
DU-04	4-02	4-02	4-02	STORM SEWERS	Α	2	12	40.0	1.00	12	
DU-04	4-03	4-03	3-04	STORM SEWERS	Α	2	12	52.8	1.00	19	
DU-04	4-04	4-04	3-05	STORM SEWERS	Α	2	12	44.2	1.00	12	
DU-04	4-05	4-06	4-05	STORM SEWERS	Α	3	18	47.3	0.50	101	
DU-04	4-06	4-07	4-08	STORM SEWERS	Α	1	12	78.7	0.50	7	
DU-04	4-07	4-08	4-09	STORM SEWERS	Α	1	12	54.0	1.00	6	
DU-04	4-08	4-09	4-10	STORM SEWERS	Α	1	12	16.1	1.00	3	
DU-04	4-09	4-10	4-11	STORM SEWERS	Α	1	15	0.9	1.00	1	
DU-04	4-10	4-12	4-10	STORM SEWERS	Α	1	12	77.6	0.50	12	
DU-04	4-11	4-13	4-14	STORM SEWERS	Α	2	15	5.8	0.50	2	
DU-04	4-12	4-15	4-13	STORM SEWERS	Α	1	12	14.0	0.50	5	

# DRAINAGE SHEET 5 U.S. ROUTE 30 STA 3684+00 TO STA 3696+00 LEFT SIDE

SHEET	PIPE	STRU	CTURE	DECODIDATION	01.400	CLASS TYPE		TYPE SIZE (IN)		LENOTH (ET)	OLODE (IV)	TDE (OLLVD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)		
DU-05	5-01	5-02	5-01	STORM SEWERS, RG	Α	2	12	30.6	1.00	26		
DU-05	5-02	5-03	6-06	STORM SEWERS	Α	2	12	56.5	0.50	11		
DU-05	5-03	5-04	5-03	STORM SEWERS	Α	2	12	65.5	0.50	12		
DU-05	5-04	5-05	5-06	STORM SEWERS, RG	Α	2	12	80.0	1.00	16		
DU-05	5-05	5-06	6-08	STORM SEWERS	Α	2	15	43.0	1.00	13		
DU-05	5-06	5-07	5-06	STORM SEWERS (WM REQ)			16	23.0	1.00	6		
DU-05	5-07	5-08	5-07	STORM SEWERS (WM REQ)			16	46.0	1.00	10		
DU-05	5-08	5-09	5-08	STORM SEWERS (WM REQ)			16	191.0	0.50	40		
DU-05	5-09	5-10	5-04	STORM SEWERS, RG	Α	1	12	23.7	0.50	3		

# DRAINAGE SHEET 6 U.S. ROUTE 30 STA 3684+00 TO STA 3696+00 RIGHT SIDE

SHEET	PIPE	STRUG	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENCTH (ET)	SLOPE (%)	TRE (CLLVD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TIPE	SIZE (IIV)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
DU-06	6-01	6-01	4-13	STORM SEWERS	Α	2	12	65.3	0.50	13
DU-06	6-02	6-02	6-01	STORM SEWERS	Α	1	12	12.0	0.50	4
DU-06	6-03	6-03	6-01	STORM SEWERS	Α	2	12	51.0	0.50	9
DU-06	6-04	6-04	6-03	STORM SEWERS	Α	1	12	81.0	0.50	13
DU-06	6-05	6-06	6-05	STORM SEWERS	Α	1	12	6.6	0.50	2
DU-06	6-06	6-08	6-07	STORM SEWERS	Α	2	60	151.9	0.40	196
DU-06	6-07	6-09	6-08	STORM SEWERS, RG	Α	2	60	45.2	0.40	49
DU-06	6-08	6-10	6-09	STORM SEWERS	Α	2	60	178.5	0.40	195
DU-06	6-09	6-11	6-10	STORM SEWERS	Α	2	42	133.0	0.30	177
DU-06	6-10	6-13	6-08	STORM SEWERS	Α	2	12	11.8	0.50	9
DU-06	6-11	6-12	6-13	STORM SEWERS	Α	2	12	24.6	1.00	6
DU-06	6-12	6-14	6-13	STORM SEWERS	Α	2	12	15.1	0.50	11
DU-06	6-13	6-15	6-14	STORM SEWERS (WM REQ)			12	26.2	0.50	7
DU-06	6-14	6-16	6-15	STORM SEWERS, RG	Α	2	12	44.9	0.50	9
DU-06	6-15	6-17	6-16	STORM SEWERS	Α	2	12	17.1	0.50	3
DU-06	6-16	6-18	6-09	STORM SEWERS	Α	2	12	4.4	1.00	4
DU-06	6-17	6-19	6-10	STORM SEWERS	Α	2	12	6.5	1.00	2
DU-06	6-18	6-20	6-11	STORM SEWERS	Α	2	12	7.5	1.00	2
DU-06	6-19	6-21	6-16	STORM SEWERS	Α	2	12	15.1	1.00	4
DU-06	6-20	6-22	6-18	STORM SEWERS, RG	Α	2	12	11.8	1.00	9

	URVEYED	LOTTED	RADES CHECKED	.M. NOTED	STRUCTURE NOTATINS CHIKD		
1	PROFILE SURVEYED		NOTE BOOK		o.		
						SCHFD don	

				F.A.P. RTE.	SEC-	ΓΙΟΝ	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE PIPE SO	575	14W	WILL	681	215			
							CONTRAC	T NO. 6	0P95
	SHEET NAME: DUS-09	STA.	TO STA.	FED. R	OAD DIST. NO. 7	ILLINOIS FE	D. AID PROJECT		

# DRAINAGE SHEET 7 U.S. ROUTE 30 STA 3696+00 TO STA 3708+00

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	ITPE	SIZE (IIV)	LENGIH (FI)	SLOPE (%)	I DF (CO TD)
DU-07	7-01	7-03	6-11	STORM SEWERS	Α	2	42	169.0	0.30	245
DU-07	7-02	7-04	7-03	STORM SEWERS	Α	2	42	244.0	0.30	393
DU-07	7-03	7-05	7-04	STORM SEWERS	Α	2	42	329.0	0.30	446
DU-07	7-04	7-06	7-28	STORM SEWERS	Α	2	36	208.4	0.40	141
DU-07	7-05	7-01	5-09	STORM SEWERS, RG	Α	2	12	176.0	0.50	38
DU-07	7-06	7-02	7-01	STORM SEWERS	Α	2	12	146.1	0.50	35
DU-07	7-07	7-07	7-03	STORM SEWERS	Α	2	12	7.5	1.00	2
DU-07	7-08	7-08	7-04	STORM SEWERS	Α	2	12	6.1	1.00	3
DU-07	7-09	7-09	7-08	STORM SEWERS	Α	2	12	84.0	1.00	25
DU-07	7-10	7-10	7-05	STORM SEWERS	Α	2	12	7.5	1.00	2
DU-07	7-11	7-13	7-06	STORM SEWERS	Α	2	12	0.5	1.00	1
DU-07	7-12	7-12	7-13	STORM SEWERS	Α	2	12	16.0	1.00	3
DU-07	7-13	7-11	7 <b>-</b> 12	STORM SEWERS	Α	1	12	54.0	1.00	9
DU-07	7-14	7-14	7-13	STORM SEWERS	Α	2	12	11.4	1.00	3
DU-07	7-15	7-15	7-14	STORM SEWERS	Α	2	12	123.4	0.50	23
DU-07	7-16	7-16	7-15	STORM SEWERS	Α	2	12	17.4	0.50	4
DU-07	7-17	7-17	7-18	STORM SEWERS (WM REQ)			12	141.0	0.50	28
DU-07	7-18	7-18	7-19	STORM SEWERS (WM REQ)			12	101.1	0.50	18
DU-07	7-19	7-19	7-27	STORM SEWERS (WM REQ)			16	49.6	0.50	10
DU-07	7-20	7-20	7-06	STORM SEWERS	Α	2	18	52.3	1.00	14
DU-07	7-21	7-21	7-20	STORM SEWERS (WM REQ)			18	16.0	0.50	4
DU-07	7-22	7-22	7-21	STORM SEWERS (WM REQ)			18	39.0	0.50	9
DU-07	7-23	7-23	7-22	STORM SEWERS (WM REQ)			18	96.0	0.50	21
DU-07	7-24	7-24	7-02	STORM SEWERS (WM REQ)			12	121.2	0.50	30
DU-07	7-25	7-25	7-24	STORM SEWERS (WM REQ)			12	112.3	0.50	26
DU-07	7-26	7-26	7-17	STORM SEWERS (WM REQ)			12	176.8	0.50	36
DU-07	7-27	7-27	7-20	STORM SEWERS (WM REQ)			16	25.2	0.50	6
DU-07	7-28	7-06	7-28	STORM SEWERS	Α	1	36	26.7	0.40	7

# DRAINAGE SHEET 8 U.S. ROUTE 30 STA 3708+00 TO STA 3720+00

DU-08 DU-08 DU-08 DU-08 DU-08 DU-08	8-01 8-02 8-03 8-04	FROM 8-37 8-02	TO 7-06	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
DU-08 DU-08 DU-08	8-02 8-03		7-06						` ′	1 ' -/
DU-08 DU-08	8-03	8-02		STORM SEWERS, RG	Α	1	18	245.2	0.40	44
DU-08			8-38	STORM SEWERS	Α	1	15	57.5	0.40	9
	8-04	8-03	8-39	STORM SEWERS	Α	2	12	52.2	0.50	7
DU-08		8-05	8-01	STORM SEWERS	Α	2	12	3.0	0.50	1
	8-05	8-38	8-01	STORM SEWERS	Α	2	15	77.6	0.40	16
DU-08	8-06	8-06	8-07	STORM SEWERS	Α	1	12	23.5	0.50	3
DU-08	8-07	8-01	8-37	STORM SEWERS	Α	2	18	61.3	0.40	16
DU-08	8-08	8-08	8-01	STORM SEWERS	Α	1	12	22.8	1.00	6
DU-08	8-09	8-09	8-02	STORM SEWERS	Α	2	12	8.3	0.50	2
DU-08	8-10	8-10	7-23	STORM SEWERS, RG	A	2	15	121.1	0.50	26
DU-08	8-11	8-11	8-10	STORM SEWERS	Α	2	15	151,1	0.50	37
DU-08	8-12	8-12	8-11	STORM SEWERS, RG	Α	2	12	151.0	0.50	34
DU-08	8-13	8-13	8-12	STORM SEWERS	Α	2	12	81.2	0.50	19
DU-08	8-14	8-14	8-13	STORM SEWERS, RG	A	2	12	186.4	0.50	45
DU-08	8-15	8-15	18-01	STORM SEWERS	A	2	12	242.4	1.00	61
DU-08	8-16	8-16	8-15	STORM SEWERS	A	2	12	74.7	1.00	19
DU-08	8-17	8-17	8-16	STORM SEWERS	A	2	12	30.4	1.00	9
DU-08	8-18	8-18	16-07	STORM SEWERS (WM REQ)			18	16.0	0.30	5
DU-08	8-19	8-19	8-18	STORM SEWERS (WM REQ)			18	39.0	0.30	12
DU-08	8-20	8-20	15-11	STORM SEWERS	A	2	18	107.4	0.30	29
DU-08	8-21	8-21	17-01	STORM SEWERS	A	2	24	202.6	0.17	343
DU-08	8-22	8-22	17-07	STORM SEWERS	A	1	12	247.0	0.44	56
DU-08	8-23	8-23	8-24	STORM SEWERS	A	2	12	111.0	1.00	119
DU-08	8-24	8-24	8-25	STORM SEWERS	A	2	12	229.6	1.00	308
DU-08	8-25	8-25	8-35	STORM SEWERS	A	2	36	89.0	0.20	229
DU-08	8-26	8-26	8-23	STORM SEWERS	A	2	12	3.5	1.00	3
DU-08	8-27	8-27	8-26	STORM SEWERS	A	2	12	63.7	1.00	25
DU-08	8-28	8-28	8-27	STORM SEWERS	Α	2	12	50.9	1.00	16
DU-08	8-29	8-29	8-28	STORM SEWERS	A	2	12	32.3	1.00	7
DU-08	8-30	8-30	8-28	STORM SEWERS	A	2	12	102.1	1.00	22
DU-08	8-31	8-31	8-25	STORM SEWERS	A	2	15	1.5	1.00	3
DU-08	8-32	8-32	8-31	STORM SEWERS	A	2	12	29.1	1.00	37
DU-08	8-33	8-33	8-32	STORM SEWERS	A	2	12	59.3	1.00	74
DU-08	8-34	8-34	9-36	STORM SEWERS	A	2	12	67.0	1.00	74
DU-08	8-35	8-36	8-39	STORM SEWERS (WM REQ)			12	25.5	0.50	6
DU-08	8-36	8-39	8-02	STORM SEWERS	A	1	15	45.5	0.40	6
DU-08	8-37	8-04	8-37	STORM SEWERS	A	1	12	2.6	0.50	1
DU-08	8-38	8-07	8-38	STORM SEWERS	A	1	12	3.2	0.50	1

SURVEYED	GRADES CHECKED	STRUCTURE NOTATINS	
PROFILE	NOTE BOOK	NO.	
			IN-UTIL-SCHED.dan

USER NAME = bshaefliger	DESIGNED	-		REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN	-		REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED	-		REVISED -
PLOT DATE = 10/23/2014	DATE	-	08/18/2014	REVISED -

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE PIPE S	CHEDULES		575	14W - R	WILL	681	216
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-10	STA.	TO STA.	FED. RO	DAD DIST. NO. 7 ILLINOIS FED. A	ID PROJECT		

# BY BY CHECKED BY CHECK

DATE						
В						
	SURVEYED	PLOTTED	GRADES CHECKED	B.M. NOTED	STRUCTURE NOTATINS CHIKD	
i i	PROFILE SURVEYED		NOTE BOOK	1	NO.	

# DRAINAGE SHEET 9 U.S. ROUTE 30 STA 3720+00 TO STA 3732+00

SHEET	PIPE	STRUG	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	ITPE	SIZE (IIV)	LENGTH (FT)	SLOPE (%)	IBF (CO YD)
DU-09	9-01	9-01	8-25	STORM SEWERS	Α	2	36	89.7	0.14	206
DU-09	9-02	9-02	9-01	STORM SEWERS	Α	2	36	259.7	0.12	546
DU-09	9-03	9-03	9-02	STORM SEWERS	Α	2	36	53.5	0.12	85
DU-09	9-04	9-04	9-03	STORM SEWERS	Α	2	36	198.6	0.12	333
DU-09	9-05	9-05	9-04	STORM SEWERS	Α	2	36	114.1	0.12	174
DU-09	9-06	9-06	9-05	STORM SEWERS	Α	2	36	114.1	0.12	156
DU-09	9-07	9-07	9-06	STORM SEWERS	Α	2	36	174.0	0.12	142
DU-09	9-08	9-08	9-07	STORM SEWERS	Α	2	36	109.2	0.12	80
DU-09	9-09	9-09	9-01	STORM SEWERS	Α	2	12	1.6	1.00	2
DU-09	9-10	9-10	9-09	STORM SEWERS	Α	2	12	56.2	1.00	35
DU-09	9-11	9-11	9-10	STORM SEWERS	Α	2	12	87.1	1.00	26
DU-09	9-12	9-12	9-02	STORM SEWERS	Α	2	12	2.0	1.00	3
DU-09	9-13	9-13	9-03	STORM SEWERS	Α	2	12	19.9	1.00	17
DU-09	9-14	9-14	9-13	STORM SEWERS	Α	2	12	27.3	1.00	20
DU-09	9-15	9-15	9-13	STORM SEWERS	Α	2	12	55.0	1.00	35
DU-09	9-16	9-16	9-15	STORM SEWERS	Α	2	12	27.0	1.00	20
DU-09	9-17	9-17	9-03	STORM SEWERS	Α	2	12	67.5	0.44	79
DU-09	9-18	9-18	9-17	STORM SEWERS	Α	2	12	127.1	1.00	80
DU-09	9-19	9-19	9-04	STORM SEWERS	A	2	12	2.0	1.00	2
DU-09	9-20	9-20	9-05	STORM SEWERS	A	2	12	2.0	1.00	2
DU-09	9-21	9-21	9-06	STORM SEWERS	Α	2	12	1.5	1.00	1
DU-09	9-22	9-22	9-21	STORM SEWERS	A	2	12	29.0	1.00	10
DU-09	9-23	9-23	9-22	STORM SEWERS	Α	2	12	122.0	1.00	33
DU-09	9-24	9-24	9-07	STORM SEWERS, RG	Α	2	15	31.5	0.50	22
DU-09	9-25	9-25	9-24	STORM SEWERS, RG	Α	2	12	35.5	0.50	14
DU-09	9-26	9-26	9-25	STORM SEWERS	A	1	12	39.5	0.50	13
DU-09	9-27	9-27	9-25	STORM SEWERS, RG	A	1	12	16.7	0.50	6
DU-09	9-28	9-28	9-24	STORM SEWERS	Α	2	12	38.1	0.50	15
DU-09	9-29	9-29	9-28	STORM SEWERS, RG	A	1	12	17.1	0.50	6
DU-09	9-30	9-30	9-07	STORM SEWERS	A	2	15	36.0	0.50	10
DU-09	9-31	9-31	9-30	STORM SEWERS	Α	2	12	38.0	1.00	9
DU-09	9-32	9-32	9-30	STORM SEWERS	Α	2	12	16.0	0.50	4
DU-09	9-33	9-33	9-32	STORM SEWERS	A	2	12	50.0	0.50	11
DU-09	9-34	9-34	9-08	STORM SEWERS	A	2	12	2.1	1.00	1
DU-09	9-35	9-35	9-08	STORM SEWERS, RG	A	2	12	7.9	1.00	5
DU-09	9-36	9-36	8-32	STORM SEWERS	A	2	12	30.7	1.00	37
DU-09	9-37	9-37	9-36	STORM SEWERS	A	2	12	71.0	1.00	75
DU-09	9-38	9-38	9-37	STORM SEWERS	A	2	12	76.0	1.00	68
DU-09	9-39	9-39	9-38	STORM SEWERS	A	2	12	86.0	1.00	63
DU-09	9-40	9-40	9-39	STORM SEWERS	A	2	12	97.1	1.00	33

# DRAINAGE SHEET 10 U.S. ROUTE 30 STA 3732+00 TO STA 3744+00

SHEET	PIPE	STRUG	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	IIIFE	SIZE (IIV)	LENGTH (FT)	SLOPE (%)	I IBF (CO ID)
DU-10	10-01	10-01	9-08	STORM SEWERS	Α	2	36	123.9	0.12	140
DU-10	10-02	10-02	10-01	STORM SEWERS	Α	2	36	293.7	0.12	326
DU-10	10-03	10-03	10-02	STORM SEWERS	Α	2	36	226.4	0.12	230
DU-10	10-04	10-04	10-03	STORM SEWERS	Α	2	24	157.5	0.20	126
DU-10	10-05	10-05	10-04	STORM SEWERS	Α	2	24	135.0	0.20	114
DU-10	10-06	10-06	10-01	STORM SEWERS	Α	2	12	2.0	1.00	1
DU-10	10-07	10-07	10-02	STORM SEWERS	Α	2	12	5.0	1.00	2
DU-10	10-08	10-08	10-07	STORM SEWERS	Α	2	12	27.2	1.00	8
DU-10	10-09	10-09	10-07	STORM SEWERS	Α	2	12	40.1	1.00	10
DU-10	10-10	10-10	10-03	STORM SEWERS	Α	2	18	1.5	0.50	1
DU-10	10-11	10-11	10-10	STORM SEWERS	Α	2	12	19.0	1.00	4
DU-10	10-12	10-12	10-10	STORM SEWERS	Α	2	12	20.1	1.00	4
DU-10	10-13	10-13	10-10	STORM SEWERS	Α	2	15	29.0	0.50	7
DU-10	10-14	10-14	10-13	STORM SEWERS	Α	2	12	16.0	0.50	3
DU-10	10-15	10-15	10-14	STORM SEWERS	Α	1	12	94.0	0.50	16
DU-10	10-16	10-16	10-13	STORM SEWERS	Α	2	12	16.0	0.50	3
DU-10	10-17	10-17	10-16	STORM SEWERS	Α	2	12	114.0	0.50	20
DU-10	10-18	10-18	10-17	STORM SEWERS	Α	1	12	147.1	0.50	24
DU-10	10-19	10-19	10-04	STORM SEWERS	Α	2	12	2.5	1.00	1
DU-10	10-20	10-20	10-05	STORM SEWERS	Α	2	12	2.5	1.00	1
DU-10	10-21	10-21	9-31	STORM SEWERS	Α	2	12	122.0	0.50	25
DU-10	10-22	10-22	10-21	STORM SEWERS	Α	2	12	122.1	0.50	23

USER NAME = bshaefliger	DESIGNED -		REVISED	-
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -		REVISED	-
PLOT SCALE = 100.0000 ' / in.	CHECKED -		REVISED	-
PLOT DATE = 10/23/2014	DATE -	08/18/2014	REVISED	-

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE PIPE SO	CHEDULES		575	14W - R	WILL	681	217
						CONTRACT	NO. 6	0P95
SCALE: NTS	SHEET NAME: DUS-11	STA.	TO STA.	FED. RO	DAD DIST. NO. 7   ILLINOIS FED. A	ID PROJECT		

# | PLAN | SURVEYED | BY | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | PLOTTED | P

DATE					
BY					
	SURVEYED	PLOTTED	NOTE BOOK GRADES CHECKED	B.M. NOTED	STRUCTURE NOTATINS CHIKD
11000	PROFILE SURVEYED		NOTE BOOK		NO.

# DRAINAGE SHEET 11 U.S. ROUTE 30 STA 3744+00 TO STA 3756+00

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TIFE	SIZE (IIV)	LENGTH (FT)	SLOFE (%)	TBF (CO TD)
DU-11	11-01	11-01	10-05	STORM SEWERS	Α	2	24	374.9	0.20	296
DU-11	11-02	11-02	11-01	STORM SEWERS	Α	2	18	190.5	0.30	126
DU-11	11-03	11-03	11-02	STORM SEWERS	Α	2	18	166.0	0.30	123
DU-11	11-04	11-04	11-01	STORM SEWERS	Α	2	18	1.5	0.50	1
DU-11	11-05	11-05	11-04	STORM SEWERS	Α	1	12	16.0	0.50	3
DU-11	11-06	11-06	11-05	STORM SEWERS	Α	1	12	17.1	0.50	3
DU-11	11-07	11-07	11-04	STORM SEWERS	Α	1	15	29.0	0.50	6
DU-11	11-08	11-08	11-07	STORM SEWERS	Α	1	12	16.0	0.50	3
DU-11	11-09	11-09	11-08	STORM SEWERS	Α	1	12	16.0	0.50	3
DU-11	11-10	11-10	11-09	STORM SEWERS	Α	1	12	131.0	0.50	20
DU-11	11-11	11-11	11-10	STORM SEWERS	Α	2	12	182.1	0.50	33
DU-11	11-12	11-12	11-02	STORM SEWERS	Α	2	12	3.0	1.00	1
DU-11	11-13	11-13	11-03	STORM SEWERS	Α	2	12	3.0	1.00	1
DU-11	11-14	11-14	11-15	STORM SEWERS	Α	2	18	121.0	0.40	94
DU-11	11-15	11-15	11-16	STORM SEWERS	Α	2	18	121.0	0.40	96
DU-11	11-16	11-16	11-17	STORM SEWERS	Α	2	18	23.3	0.40	19
DU-11	11-17	11-17	12-01	STORM SEWERS	Α	2	18	120.5	0.40	94
DU-11	11-18	11-18	11-14	STORM SEWERS	Α	2	12	3.0	1.00	1
DU-11	11-19	11-19	11-15	STORM SEWERS	Α	2	12	3.0	1.00	1
DU-11	11-20	11-20	11-16	STORM SEWERS	Α	2	12	3.0	1.00	1
DU-11	11-21	11-21	12-14	STORM SEWERS	Α	2	12	101.0	1.00	21
DU-11	11-22	11-22	11-21	STORM SEWERS	Α	2	12	152.0	0.50	25

# DRAINAGE SHEET 12 U.S. ROUTE 30 STA 3756+00 TO STA 3768+00

SHEET	PIPE	STRU	CTURE							
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
DU-12	12-01	12-01	12-02	STORM SEWERS, RG	Α	2	18	170.0	0.40	158
DU-12	12-02	12-02	12-03	STORM SEWERS, RG	Α	2	18	190.0	0.40	231
DU-12	12-03	12-03	12-04	STORM SEWERS (WM REQ)			36	169.5	0.40	296
DU-12	12-04	12-04	12-05	STORM SEWERS (WM REQ)			36	179.0	0.40	327
DU-12	12-05	12-05	12-06	STORM SEWERS (WM REQ)			36	15.5	0.40	36
DU-12	12-06	12-06	12-07	STORM SEWERS (WM REQ)			36	4.0	0.40	10
DU-12	12-07	12-07	12-08	STORM SEWERS (WM REQ)			24	3.0	0.40	7
DU-12	12-08	12-09	12-25	STORM SEWERS, RG	Α	2	12	26.8	1.00	7
DU-12	12-09	12-10	12-01	STORM SEWERS, RG	Α	2	15	2.6	1.00	1
DU-12	12-10	12-11	12-10	STORM SEWERS (WM REQ)			12	17.0	1.00	5
DU-12	12-11	12-12	12-10	STORM SEWERS (WM REQ)			12	37.0	1.00	10
DU-12	12-12	12-13	12-01	STORM SEWERS	Α	2	15	24.4	1.00	8
DU-12	12-13	12-14	12-13	STORM SEWERS	Α	2	12	16.0	1.00	4
DU-12	12-14	12-15	12-13	STORM SEWERS	Α	2	12	46.0	1.00	11
DU-12	12-15	12-16	12-15	STORM SEWERS, RG	Α	2	12	127.0	1.00	23
DU-12	12-16	12-17	12-02	STORM SEWERS, RG	Α	2	12	3.4	1.00	2
DU-12	12-17	12-18	12-03	STORM SEWERS, RG	Α	2	12	3.6	1.00	4
DU-12	12-18	12-19	12-18	STORM SEWERS (WM REQ)			12	48.2	1.00	32
DU-12	12-19	12-20	12-19	STORM SEWERS (WM REQ)			12	40.7	1.00	15
DU-12	12-20	12-21	12-04	STORM SEWERS (WM REQ)			12	2.4	1.00	2
DU-12	12-21	12-22	12-04	STORM SEWERS (WM REQ)			12	25.2	1.00	23
DU-12	12-22	12-23	12-22	STORM SEWERS, RG	Α	2	12	56.5	1.00	45
DU-12	12-23	12-24	12-23	STORM SEWERS, RG	Α	2	12	65.3	1.00	42
DU-12	12-24	12-25	12-06	STORM SEWERS (WM REQ)			12	1.9	1.00	1

# DRAINAGE SHEET 13 WEST FRONTAGE ROAD STA 10+00 TO STA 19+00

SHEET	PIPE	STRUG	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	11176	SIZE (IIV)	LENGTH (FT)	SLOFE (%)	IBF (CO ID)
DU-13	13-01	13-01	13-02	PIPE CULVERTS	Α	2	18	94.7	0.54	16
DU-13	13-02	13-03	13-04	PIPE CULVERTS	Α	2	18	103.9	0.90	17
DU-13	13-03	13-05	13-06	STORM SEWERS	Α	2	12	64.3	1.00	65
DU-13	13-04	13-07	13-08	STORM SEWERS	Α	1	12	44.2	2.61	10
DU-13	13-05	13-08	13-09	STORM SEWERS	Α	2	12	76.5	1.00	16
DU-13	13-06	13-10	13-08	STORM SEWERS	Α	2	12	16.4	1.00	3

USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 '/ in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAINAGE PIPE	SCHEDULES	575	14W - R	WILL	681	218	
				CONTRACT	NO. 6	0P95		
SCALE: NTS	SHEET NAME: DUS-12	TO STA.	FED. R	OAD DIST. NO. 7   ILLINOIS FED. A	ID PROJECT			

# DRAINAGE SHEET 14 LILY CACHE ROAD STA 3+00 TO STA 9+00

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	11176	SIZE (IIV)	LENGTH (FT)	SLOFE (%)	TBF (CO TD)
DU-14	14-01	14-02	14-01	STORM SEWERS	Α	2	12	13.7	0.50	4
DU-14	14-02	14-03	14-02	STORM SEWERS	Α	2	12	86.1	0.50	17
DU-14	14-03	14-04	14-03	STORM SEWERS	Α	1	12	56.2	0.50	8
DU-14	14-04	14-05	14-04	STORM SEWERS	Α	1	12	24.7	0.50	3
DU-14	14-05	14-06	14-01	STORM SEWERS	Α	2	12	29.7	1.00	8
DU-14	14-06	14-07	14-02	STORM SEWERS	Α	2	12	33.0	1.00	8

# DRAINAGE SHEET 15 RENWICK ROAD STA 8+00 TO STA 18+00 LEFT SIDE

SHEET	PIPE	STRUG	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	ITPE	SIZE (IIV)	LENGIH (FI)	SLOPE (%)	IBF (CU TD)
DU-15	15-01	15-01	8-21	STORM SEWERS	Α	2	24	281.8	0.17	343
DU-15	15-02	15-03	15-02	STORM SEWERS	Α	2	24	80.2	0.30	116
DU-15	15-03	15-04	15-03	STORM SEWERS	Α	2	18	85.5	0.30	73
DU-15	15-04	15-05	15-04	STORM SEWERS	Α	2	18	66.0	0.30	50
DU-15	15-05	15-06	15-05	STORM SEWERS	Α	2	18	96.0	0.30	62
DU-15	15-06	15-07	15-06	STORM SEWERS	Α	2	18	36.3	0.30	14
DU-15	15-07	15-08	15-07	STORM SEWERS	Α	2	18	23.4	0.30	8
DU-15	15-08	15-09	15-08	STORM SEWERS	Α	2	18	27.4	0.30	9
DU-15	15-09	15-10	15-09	STORM SEWERS	Α	2	18	33.3	0.30	11
DU-15	15-10	15-11	15-03	STORM SEWERS	Α	2	18	123.1	0.30	30
DU-15	15-11	15-12	15-13	STORM SEWERS	Α	1	12	57.0	0.50	7
DU-15	15-12	15-13	15-14	STORM SEWERS, RG	Α	2	12	83.9	0.50	14
DU-15	15-13	15-14	16-09	STORM SEWERS, RG	Α	2	12	45.0	0.50	10

# DRAINAGE SHEET 16 RENWICK ROAD STA 8+00 TO STA 18+00 RIGHT SIDE

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TIFE	SIZE (IIV)	LENGTH (FT)	SLOFE (70)	TBF (COTD)
DU-16	16-01	16-01	15-03	STORM SEWERS, RG	Α	2	24	47.2	0.30	47
DU-16	16-02	16-02	16-01	STORM SEWERS (WM REQ)			18	100.9	0.30	81
DU-16	16-03	16-03	16-02	STORM SEWERS	Α	2	18	126.0	0.30	52
DU-16	16-04	16-04	16-03	STORM SEWERS	Α	2	18	98.0	0.30	31
DU-16	16-05	16-05	16-04	STORM SEWERS	Α	2	18	30.1	0.30	9
DU-16	16-06	16-06	16-01	STORM SEWERS (WM REQ)			18	103.9	0.30	41
DU-16	16-07	16-07	16-06	STORM SEWERS (WM REQ)			18	100.7	0.30	34
DU-16	16-08	16-08	16-09	STORM SEWERS	Α	2	12	137.9	0.50	25
DU-16	16-09	16-09	16-10	STORM SEWERS	Α	2	12	10.7	0.50	3
DU-16	16-10	16-11	16-01	STORM SEWERS, RG	Α	2	12	4.2	1.00	2

7 11 10 00		BY	DATE
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	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B.M. NOTED		
NO.	STRUCTURE NOTATINS CHIKD		

USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

			F.A.P. RTE.	SEC <sup>-</sup>	SECTION		TOTAL SHEETS	SHEET NO.
DRAINAGE PIPE SC	HEDULES		575	14W	- R	WILL	681	219
				CONTRACT	NO. 6	0P95		
SHEET NAME: DUS-13	STA.	TO STA.	FED. R	DAD DIST. NO. 7	ILLINOIS FED.	AID PROJECT		

# DRAINAGE SHEET 17 RENWICK ROAD STA 22+00 TO STA 32+00 LEFT SIDE

SHEET	PIPE	STRU	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	TIFE	SIZE (IIV)	LENGTH (FT)	SLOFE (%)	TBF (CO TD)
DU-17	17-01	17-01	17-02	STORM SEWERS	Α	2	24	211.1	0.17	286
DU-17	17-02	17-02	17-03	STORM SEWERS	Α	2	24	11.5	0.17	15
DU-17	17-03	17-03	17-04	STORM SEWERS	Α	2	24	137.9	0.17	
DU-17	17-04	17-05	17-04	STORM SEWERS	Α	2	12	22.2	1.00	16
DU-17	17-05	17-06	17-05	STORM SEWERS	Α	2	12	37.0	1.00	8
DU-17	17-06	17-07	17-08	STORM SEWERS	Α	1	12	10.2	0.44	
DU-17	17-08	17-10	17-11	STORM SEWERS	A	1	12	6.9	0.44	3

# DRAINAGE SHEET 18 RENWICK ROAD STA 22+00 TO STA 32+00 RIGHT SIDE

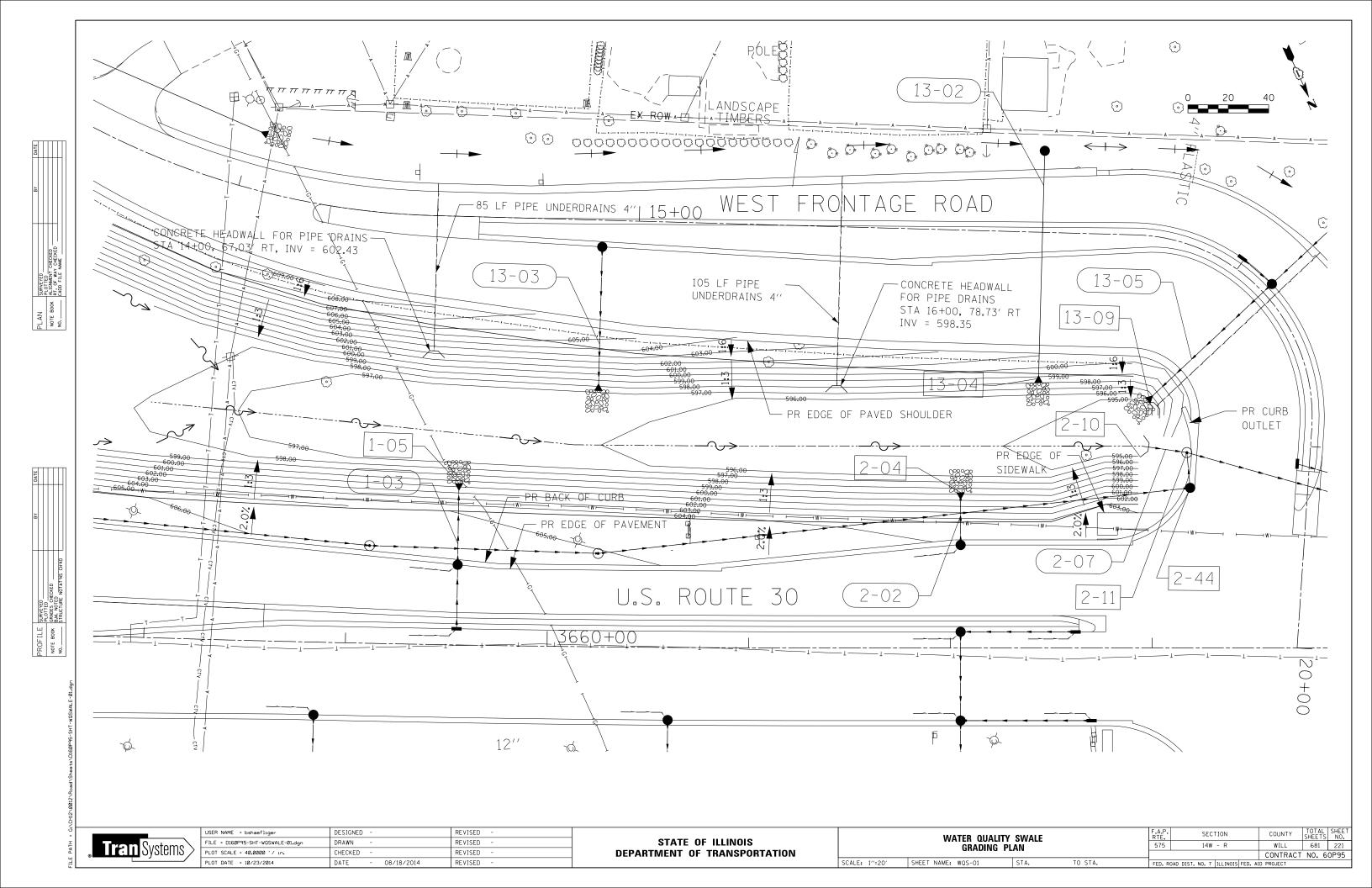
SHEET	PIPE	STRUC	CTURE	DESCRIPTION	CLASS	TYPE	SIZE (IN)	LENGTH (FT)	SLOPE (%)	TBF (CU YD)
NAME	NUMBER	FROM	TO	DESCRIPTION	CLASS	ITPE	SIZE (IIV)	LENGTH (FT)	SLOPE (%)	IBF (CU ID)
DU-18	18-01	18-01	18-02	STORM SEWERS	Α	2	15	76.5	1.00	23
DU-18	18-02	18-02	18-03	STORM SEWERS	Α	2	15	37.6	1.00	30
DU-18	18-03	18-03	18-04	STORM SEWERS	Α	2	15	27.0	1.00	23
DU-18	18-04	18-04	18-05	STORM SEWERS	Α	2	15	14.6	1.00	13
DU-18	18-05	18-05	17-04	STORM SEWERS	Α	2	30	54.2	1.07	40
DU-18	18-06	18-06	18-03	STORM SEWERS	Α	2	12	33.0	1.00	23
DU-18	18-07	18-07	18-05	STORM SEWERS	Α	2	30	35.3	1.10	35
DU-18	18-08	18-08	18-05	STORM SEWERS	Α	2	12	21.4	1.00	15
DU-18	18-09	18-09	18-05	STORM SEWERS	Α	2	12	52.5	1.00	14

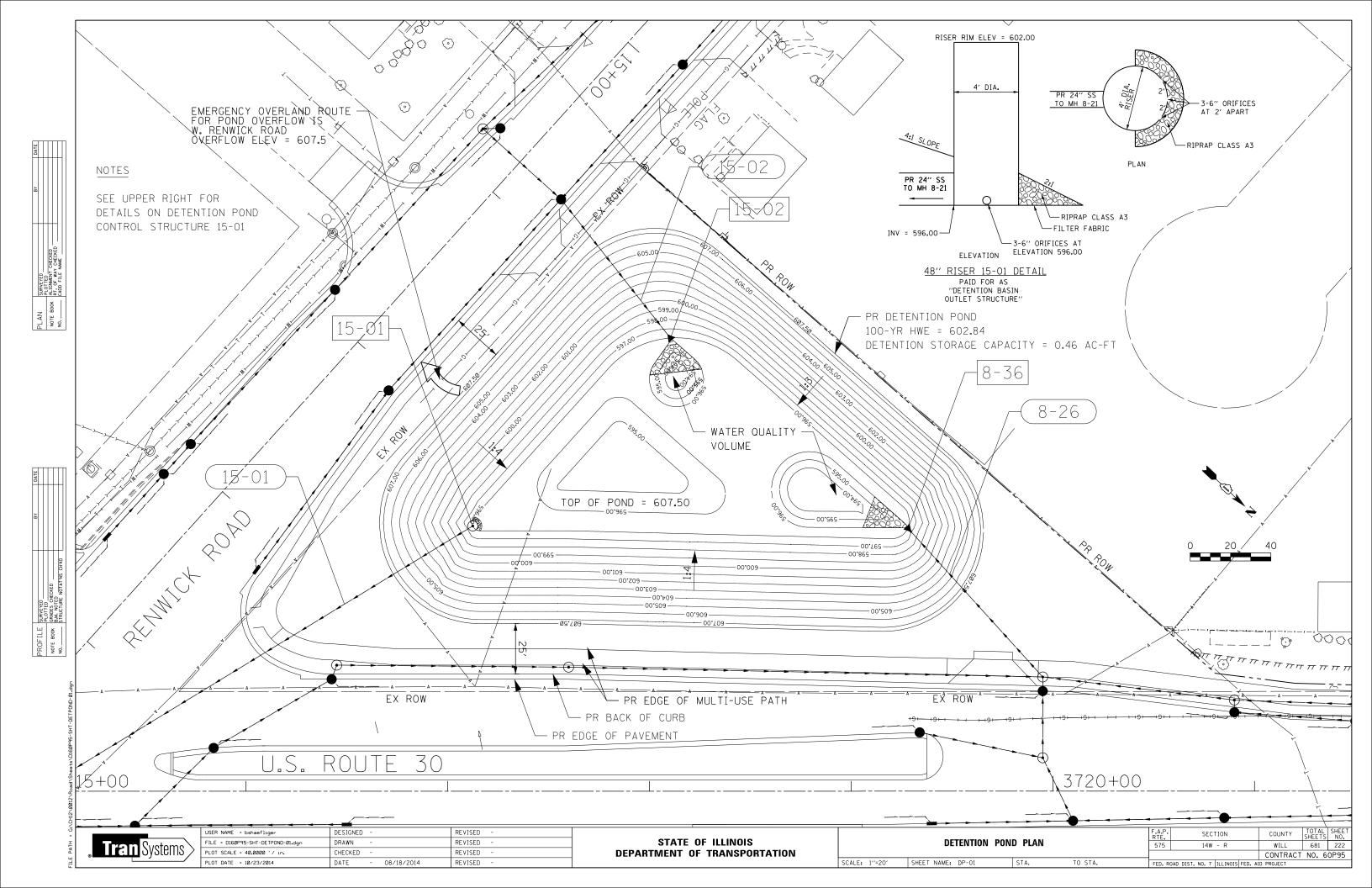
BY						
	SURVEYED	PLOTTED	GRADES CHECKED	B.M. NOTED	STRUCTURE NOTATINS CHIKD	
1 1000	PROFILE		NOTE BOOK		NO.	

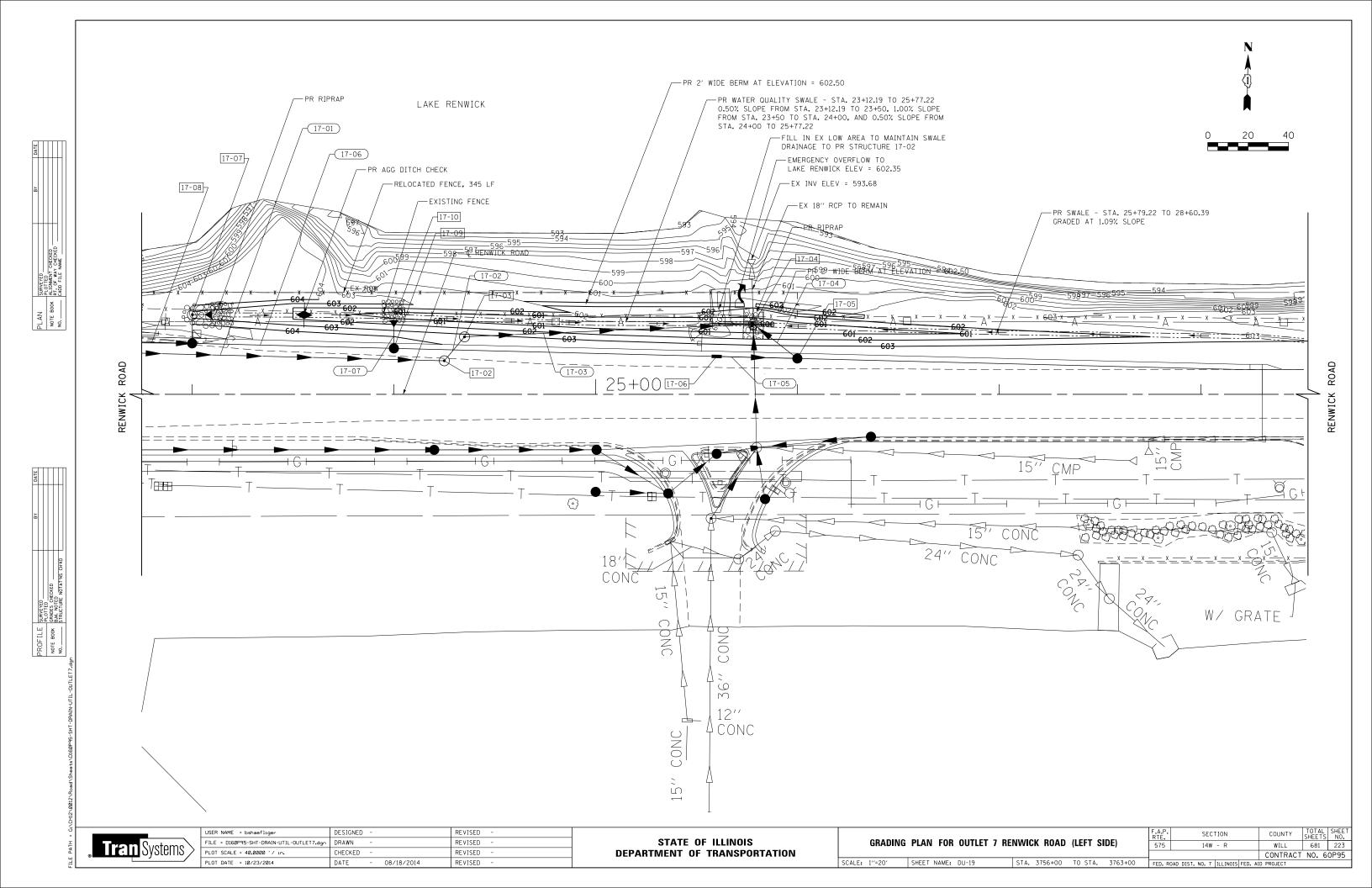
• Tran Systems

USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-DRAIN-UTIL-SCHED.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 ' / 10.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -

			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAINAGE PIPE	SCHEDULE	S	575	14W - R	WILL	681	220
					CONTRACT	NO. 6	0P95		
SCALE: NTS SHEET NAME: DUS-14 STA. TO STA. FED. ROAD DIST. NO. 7 ILLING				AD DIST. NO. 7 ILLINOIS FED. A	ID PROJECT				



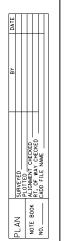


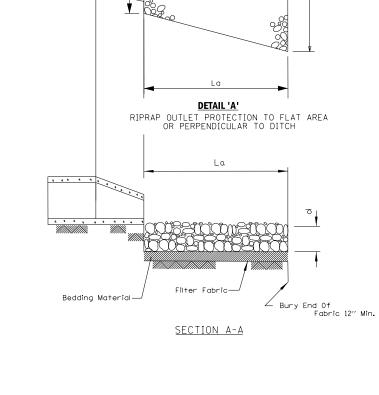


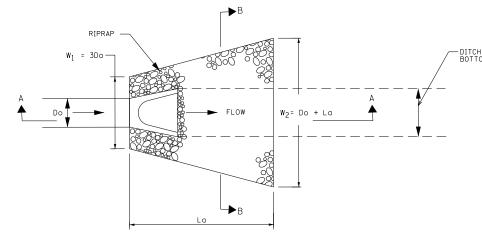
W<sub>2</sub>= Do + La

**ROCK OUTLET PROTECTION** 

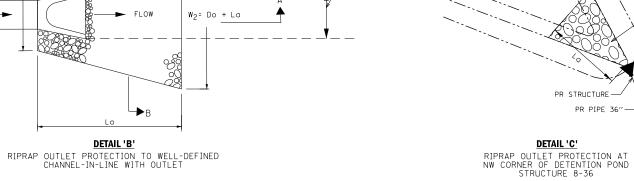
ADDITIONAL DETAILS

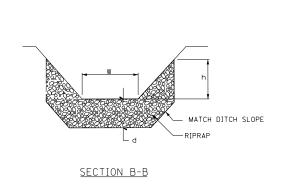




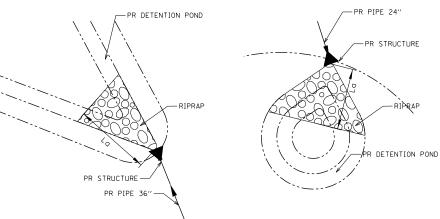


Bury End Of Fabric 12" Min.





SCALE: NTS



DETAIL 'C'

PR PIPE 24"

PR DETENTION POND -PR STRUCTURE

DETAIL 'D'

RIPRAP OUTLET PROTECTION AT SW CORNER OF DETENTION POND STRUCTURE 15-02

<u>DETAIL 'E'</u> RIPRAP OUTLET PROTECTION AT SE CORNER OF DETENTION POND STRUCTURE 15-01

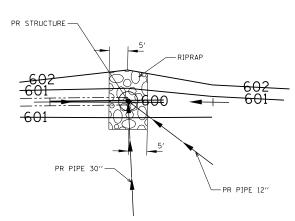
# ROCK OUTLET PROTECTION - SCHEDULE OF QUANTITIES

SECTION A-A

Bedding Material—

		RIPRAP OUTLET PROT	ECTIO	N TO FLAT AREA OR PE	RPENDICULAR TO DITCH			
STRUCTURE NUMBER	RIPRAP CLASS	PIPE DIAMETER, DO (IN)	La (FT)	RIPRAP THICKNESS, d (IN)	BEDDING THICKNESS (IN)	W1 (FT)	W2 (FT)	AREA (SQ YD)
1-02	A3	12	10	15	0	3.00	11.00	7.8
1-05	A3	12	10	15	0	3.00	11.00	7.8
1-07	A3	12	10	15	0	3.00	11.00	7.8
1-09	A3	12	10	15	0	3.00	11.00	7.8
2-02	A3	12	10	15	0	3.00	11.00	7.8
2-04	A3	12	10	15	0	3.00	11.00	7.8
2-08	A3	12	10	15	0	3.00	11.00	7.8
8-36	A4	36	20	20	6	SEE DE	ΓAIL "C"	19.7
13-04	A4	18	16	20	6	4.50	17.50	19.6
13-06	A3	12	10	15	0	3.00	11.00	7.8
13-09	A3	12	10	15	0	3.00	11.00	7.8
15-02	A3	24	16	15	0	SEE DET	TAIL "D"	26.4
17-10	A3	12	10	15	0	3.00	11.00	7.8

	RIPRAP OUTLET PROTECTION TO WELL-DEFINED DITCH								
STRUCTURE NUMBER	I RIDRAD (TASS I		La (FT)	RIPRAP THICKNESS, d (IN)	RIPRAP HEIGHT, h (FT)	BEDDING THICKNESS (IN)	W1 (FT)	W2 (FT)	AREA (SQ YD)
4-05	A3	18	14	15	2.0	0	4.50	15.50	15.6
13-02	A3	18	14	15	2.0	0	4.50	15.50	15.6
15-01	A3	N/A	2	15	N/A	0	SEE DE	TAIL "E"	1.7
17-04	A3	N/A	5	15	N/A	0	SEE DE	TAIL "F"	16.8
17-07	A3	12	10	15	1.5	0	3.00	11.00	7.8



<u>DETAIL'F'</u> RIPRAP OUTLET PROTECTION ALONG RENWICK RD STRUCTURE 17-04



USER NAME = bshaefliger	DESIGNED -	REVISED -
FILE = D160P95-SHT-RIPRAPDET.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.00000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/23/2014	DATE - 08/18/2014	REVISED -
PLUI DATE = 10/23/2014	DATE - 08/18/2014	KENIZED -

	U.S. ROUTE	30		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	RIPRAP OUTLET PROTECTION DETAILS				14W - R	WILL	681	224
						CONTRACT	NO. 6	0P95
	SHEET NAME: RR-01	STA.	TO STA.	FED. R	OAD DIST, NO. 7 ILLINOIS FED. A	ID PROJECT		

# GENERAL NOTES FOR WATER MAIN RELOCATION AND REPLACEMENT

- REFER TO "SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS" MANUAL AND VILLAGE OF PLAINFIFLD STANDARDS.
- 2. PROVIDE PRECONSTRUCTION VIDEO DVD(S) TO THE VILLAGE OF PLAINFIELD PRIOR TO THE START OF CONSTRUCTION
- 3. CONTACT THE FOLLOWING PEOPLE AT LEAST 72 HOURS BEFORE CONSTRUCTION:

  MR. ALLEN R. PERSONS, DIRECTOR OF PUBLIC WORKS FOR THE VILLAGE OF PLAINFIELD AT

  (815) 436-3577.

MR. MARK STOFKO, WATER SUPERINTENDENT FOR THE VILLAGE OF PLAINFIELD AT (815) 436-3577.

- 4. WATER MAINS TO BE INSTALLED WITH A MINIMUM OF 6 FEET OF COVER UNLESS OTHERWISE SHOWN ON DRAWINGS.
- 5. THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF THE FACILITIES AND THE ENGINEER AND ARE NOT NECESSARILY COMPLETE OR ACCURATE. CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES IN THE FIELD PRIOR TO STARTING WORK.
- 6. PROTECT EXISTING UNDERGROUND UTILITIES AND BUILDING SERVICE LINES FROM DAMAGE.

  MAKE EXPLORATIONS AS NECESSARY TO DETERMINE THE EXACT LOCATIONS OF EXISTING

  UTILITIES AND SERVICE LINES. EXERCISE CARE DURING THE PROGRESS OF WORK TO

  PREVENT DAMAGE TO EXISTING UNDERGROUND FACILITIES.
- 7. COORDINATE WITH UTILITY COMPANIES TO SUPPORT, PROTECT, OR REMOVE AND REPLACE ALL POLES OR POLE ANCHORS AFFECTED BY WATER MAIN AND SANITARY SEWER CONSTRUCTION, EVEN WHERE SUPPORT IS NOT INDICATED ON THE DRAWINGS. COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
- 8. PROVIDE TRAFFIC CONTROL AS REQUIRED IN ACCORDANCE WITH THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS'; THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS"; AND LOCAL GOVERNMENTAL AUTHORITY DURING ALL PHASES OF CONSTRUCTION.
- IF TRENCH DEWATERING IS REQUIRED, PROTECT ADJOINING PROPERTIES AND HOSE DISCHARGE LOCATIONS FROM EROSION. USE SILT BAGS ON DISCHARGE HOSES FOR SEDIMENTATION CONTROL.
- 10. REPLACE EXISTING DRAIN TILES DISTURBED DURING TRENCHING OPERATIONS WITH SAME SIZE P.V.C. (SDR 26) PLASTIC PIPE AND NON-SHEAR, FLEXIBLE, STAINLESS STEEL BANDED COUPLINGS.
- 11. DO NOT STORE MATERIALS, STRUCTURES, OR MACHINES WHERE THEY WILL OBSTRUCT STREET OR DRIVEWAY SIGHTLINES.
- 12. RE-ESTABLISH EXISTING DRAINAGE PATTERNS IMMEDIATELY AFTER BACKFILLING AND DURING FINAL GRADING.
- 13. ALL DUCTILE IRON PIPE, FITTINGS, VALVES, FIRE HYDRANTS AND SERVICE CONNECTIONS SHALL BE WRAPPED WITH POLYETHYLENE SHEETING OR TUBES.
- 14. COVER ALL NEW FIRE HYDRANTS WITH BLACK PLASTIC BAGS AFTER INSTALLATION AND UNTIL NEW WATER MAIN IS IN SERVICE.
- 15. NOTIFY BAXTER & WOODMAN, INC. OF ANY CONFLICTS BETWEEN THE PROPOSED WATER MAIN OR SANITARY SEWER LOCATIONS AND EXISTING UTILITY FACILITIES AT LEAST 3 WORKING DAYS PRIOR TO THE INSTALLATION OF THE WATER MAINS OR SANITARY SEWERS.
- 16. CONTRACTORS TO NOTIFY RESIDENTS OR BUSINESSES AT LEAST 48 HOURS PRIOR TO ANY DISRUPTION OR SHUTDOWN OF WATER SERVICE.
- 17. EXISTING VALVES ARE TO BE RESTRAINED OR BRACED AS REQUIRED PRIOR TO CLOSING VALVES FOR CONNECTION OF PROPOSED WATER MAINS TO EXISTING WATER MAINS OR FOR ABANDONMENT OF EXISTING WATER MAINS.
- 18. AT LOCATIONS WHERE WATER MAIN QUALITY PIPE IS USED TO REPLACE EXISTING SANITARY SEWER, APPLY GREEN TAPE OVER PIPE SPECIFICATION LABELS ALONG THE ENTIRE LENGTH OF EACH SECTION OF REPLACEMENT SEWER PIPE.
- 19. INSTALL NEW WATER MAINS BENEATH EXISTING WATER MAINS AND WATER SERVICE PIPES, UNLESS OTHERWISE NOTED ON DRAWINGS.
- 20. WATER MAIN PIPE SHALL BE:
  - A. OPEN-CUT TRENCHES:
    - 1. DUCTILE IRON PIPE COMPLYING WITH A.N.S.I. A21.51, THICKNESS CLASS 52; WITH JOINTS COMPLYING WITH A.N.S.I. A 21.11; AND WITH CEMENT LINING COMPLYING WITH A.N.S.I. A21.4/A.W.W.A. C104, STANDARD THICKNESS.

- 21. GRANULAR PIPE BEDDING AND COVERING MATERIAL SHALL CONFORM TO THE FOLLOWING:
  - A. PROVIDE WELL GRADED SAND, GRAVEL OR CRUSHED STONE FREE OF CLAY, LOAM, DIRT, CALCAREOUS OR OTHER FOREIGN MATTER CONFORMING TO I.D.O.T. "STANDARD SPECIFICATIONS" GRADATION CA-11 OR THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, WITH THE FOLLOWING GRADATION:

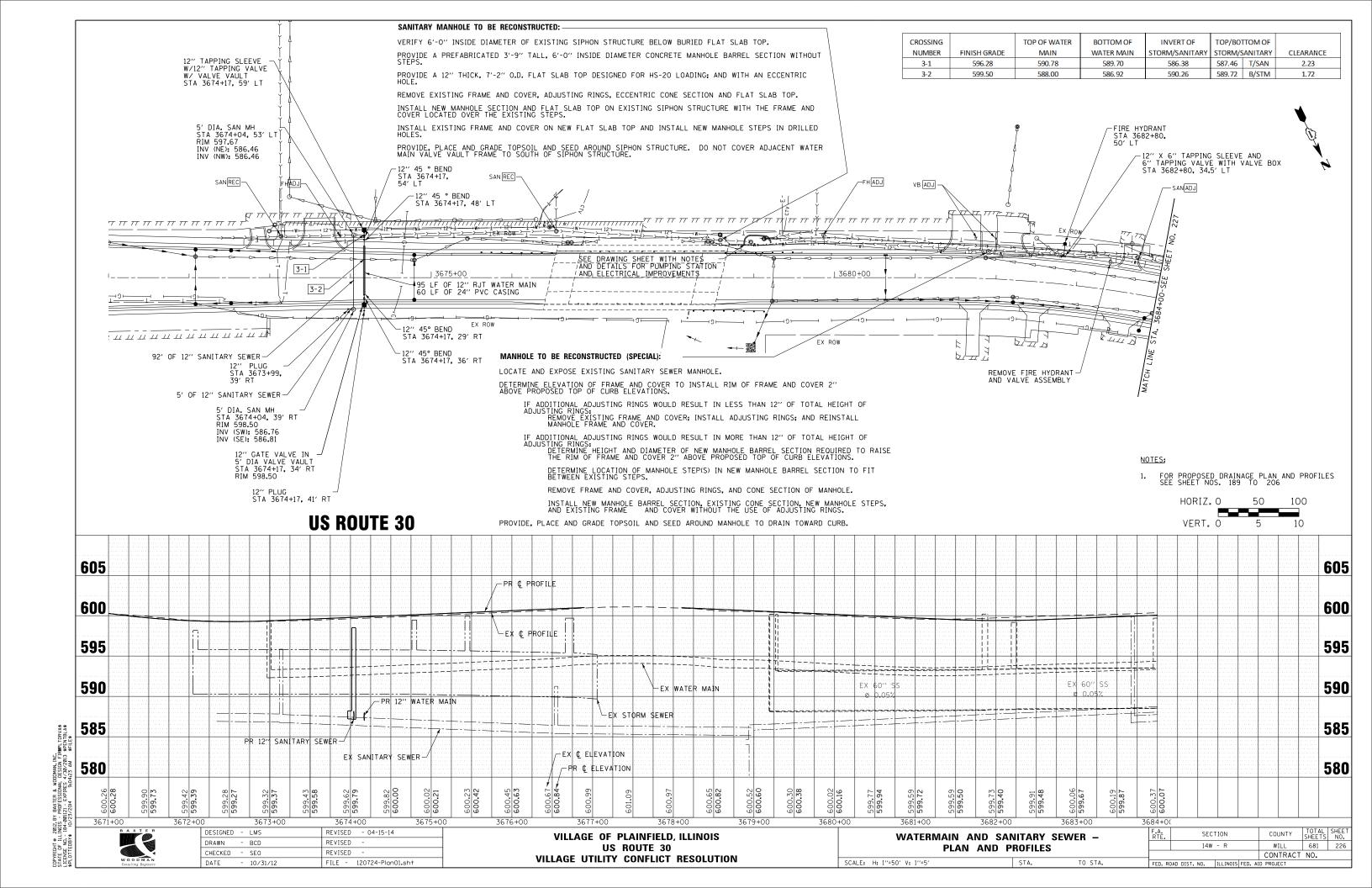
SIEVE SIZE PERCENT PASSING 1 1/2-INCH 100% 1-INCH 90 - 100% 1/2-INCH 30 - 60% NO. 4 0 - 10%

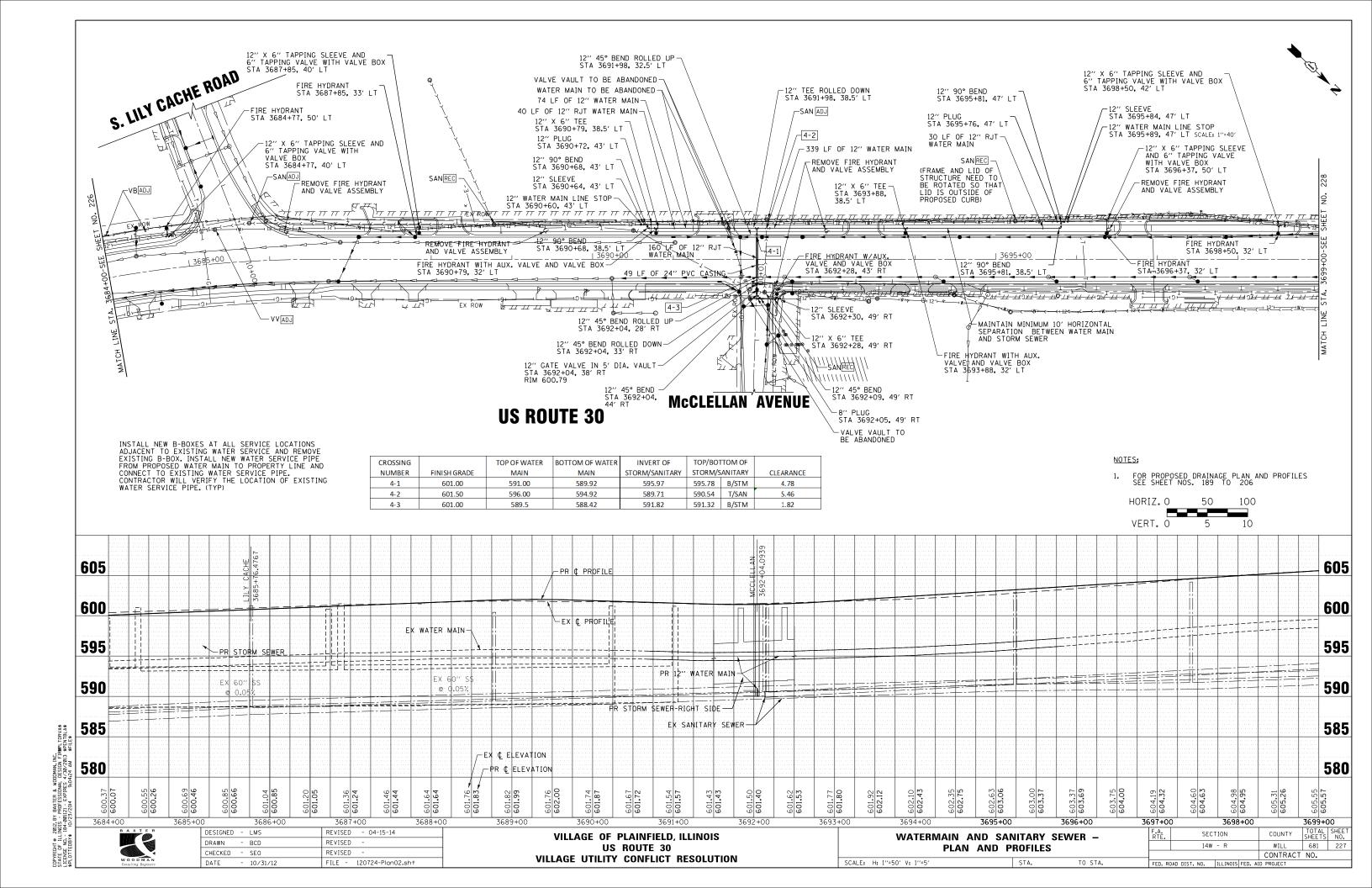
- B. FOR FLEXIBLE THERMOPLASTIC PIPE: COMPLY WITH A.S.T.M. D2321, CLASS IA, IB OR II AS MODIFIED BELOW:
  - 1. EXCLUDE SHARP ANGULAR CRUSHED STONE GRANULAR MATERIALS. 2. LIMIT MAXIMUM PARTICLE SIZE TO 1/2 INCH.
  - 3. DO NOT USE CLASS II MATERIALS IN WET TRENCH CONDITIONS.
- C. FOR RIGID PIPES COMPLY WITH A.S.T.M. C12, BEDDING CLASS B.
- 22. WATER SERVICES TO BE INSTALLED AFTER NEW WATER MAINS HAVE BEEN TESTED, DISINFECTED, FLUSHED AND ACCEPTED FOR USE BY THE VILLAGE OF PLAINFIELD.
- 23. ABANDON EXISTING WATER MAINS, FIRE HYDRANTS, VALVES, VALVE VAULTS AND BOXES, AND SERVICE LINES AFTER ALL NEW WATER MAIN HAS BEEN INSTALLED, TESTED, DISINFECTED, AND ACCEPTED FOR USE BY THE VILLAGE OF PLAINFIELD AND AFTER ALL WATER SERVICES HAVE BEEN CONNECTED TO THE NEW WATER MAINS. FIRE HYDRANTS, VALVE BOXES, VALVE VAULT FRAMES AND COVERS REMOVED DURING WATER MAIN ABANDONMENT WORK SHALL BE DELIVERED TO THE VILLAGE OF PLAINFIELD PUBLIC WORKS GARAGE.
- 24. ALL TRENCHES WITHIN THE PAVEMENT, OR WITHIN TWO FEET OF THE EDGE OF PAVEMENT, OF ALL STREETS SHALL BE BACKFILLED WITH TRENCH BACKFILL.
- 25. WHERE PLUGS OR CAPS ARE CALLED FOR ON THE PLANS, CONTRACTOR MAY USE PLUG OR CAP FITTINGS, AT THE CONTRACTOR'S OPTION, DEPENDING ON WHETHER OR NOT A BELL END EXISTS AT THE END OF THE WATER MAIN PIPE TO BE PLUGGED/CAPPED.
- 26. WHERE A LINE STOP, PLUG/CAP AND CONCRETE THRUST BLOCK IS CALLED FOR ON THE PLANS, CONTRACTOR SHALL CUT A SHORT SECTION OF WATER MAIN OUT OF THE WATER MAIN TO BE IMMEDIATELY ABANDONED AND INSTALL THE CONCRETE THRUST BLOCK AGAINST THE PLUG/CAP AND THE CUT END OF THE WATER MAIN TO BE IMMEDIATELY ABANDONED. ALTERNATIVELY, THE CONTRACTOR MAY INSTALL A DEDICATED, SPECIALLY DESIGNED, PERMANENT LINE STOP TO REMAIN IN THE WATER MAIN TO BE ABANDONED AFTER THE NEW WATER MAIN IS IN SERVICE.
- 27. EXISTING WATER SERVICE AND BOX LOCATIONS WILL BE LOCATED DURING CONSTRUCTION. NEW SERVICE BOXES SHALL NOT BE INSTALLED ON PRIVATE PROPERTY.
- 28. CONTRACTOR SHALL INSTALL WATER MAIN PRIOR TO UTILITY COMPANIES INSTALLING NEW OR RELOCATED UTILITIES PARALLEL TO WATER MAIN.
- 29. VERIFY LOCATION, SIZE AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION OF THE FORCE MAIN. THE EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY OWNERS OF SUCH UTILITIES AND ARE NOT NECESSARILY COMPLETE OR ACCURATE.
- 30. NO TEMPORARY STOCKPILING OF EXCAVATED MATERIALS IS ALLOWED WITHIN THE RIGHT-OF-WAY. REMOVE TRENCH EXCAVATION SPOILS FROM THE SITE AS THE WORK PROGRESSES.
- 31. RESTORE THE CONSTRUCTION AREA TO PRE-CONSTRUCTION ELEVATIONS AND CONDITIONS.
- 32. PROVIDE PROPERTY OWNERS ALONG AND IMMEDIATELY ADJACENT TO THE WORK ADVANCE NOTICE OF THE CONSTRUCTION AND OF ALL ACTIVITIES THAT WILL RESTRICT THE USE OF THEIR DRIVEWAY AND ACCESS. MAKE ALL DRIVEWAYS ACCESSIBLE AT THE END OF EACH WORK DAY
- 33. SANITARY SEWER PIPE SHALL COMPLY WITH ASTM D3034 FOR TYPE PSM POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS OF MINIMUM WALL THICKNESS SDR 26

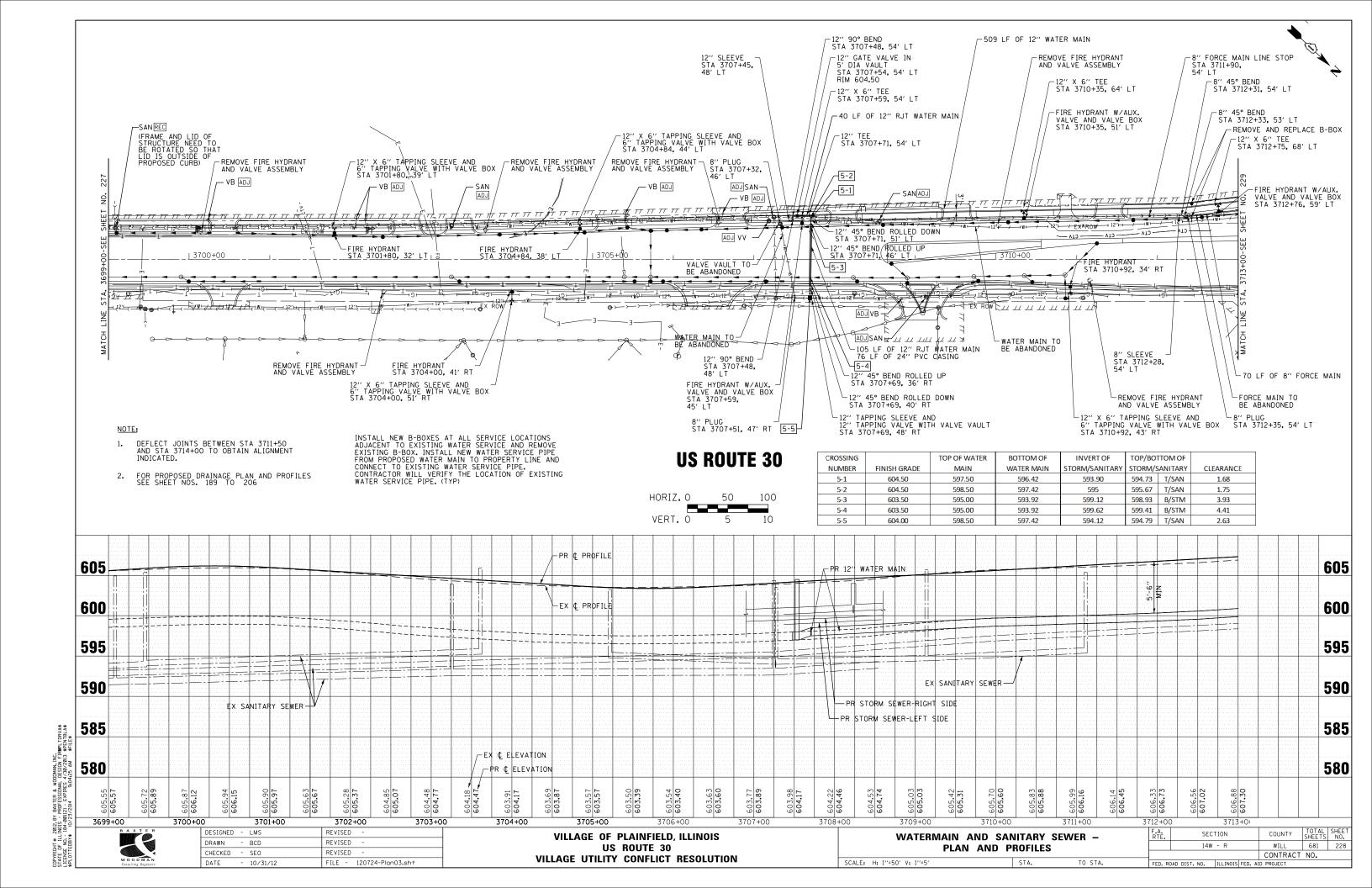
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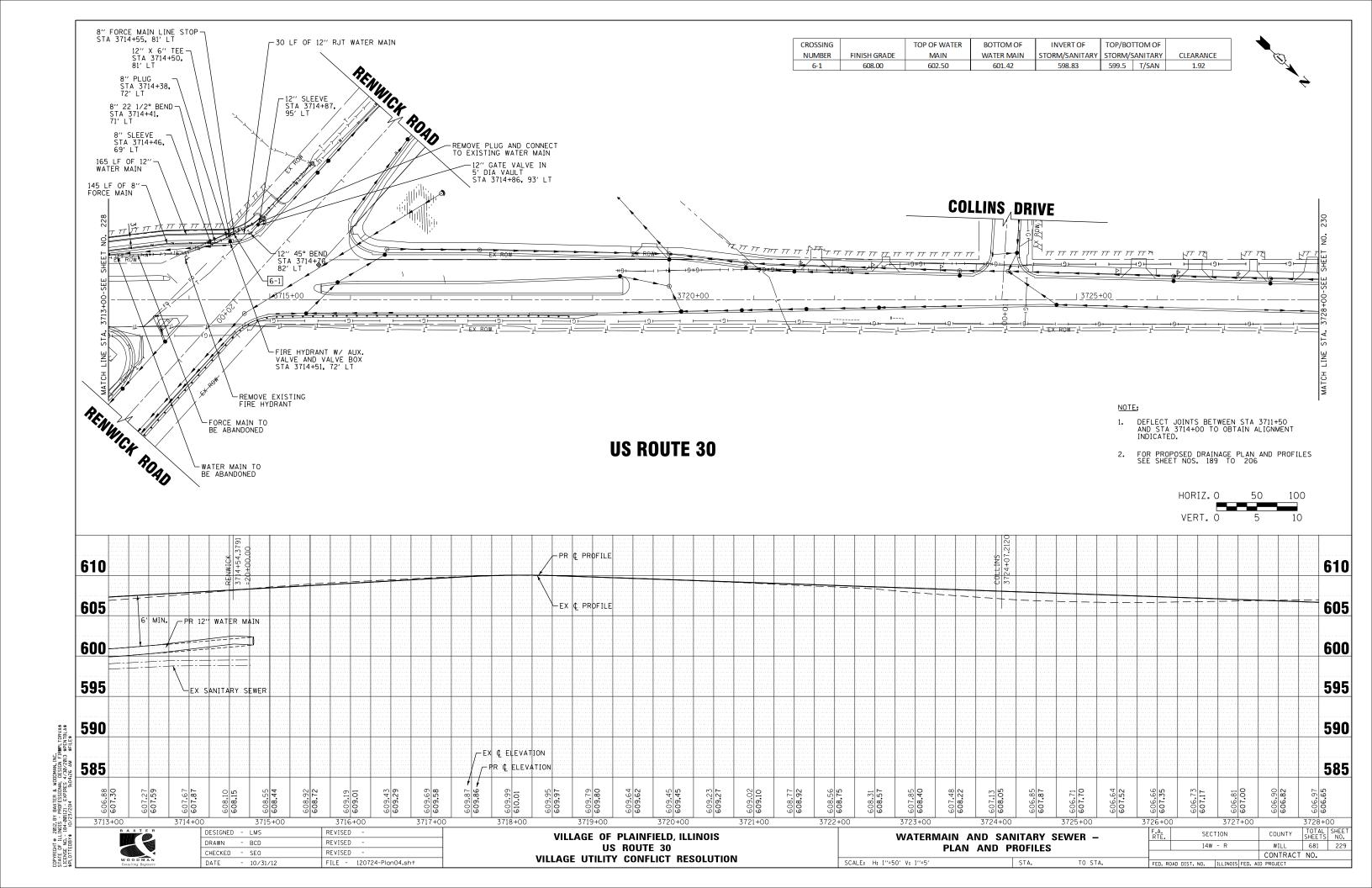
34. ALL FITTINGS, VALVES AND FIRE HYDRANTS SHALL INCLUDE RESTRAINED JOINTS <u>AND</u> CONCRETE THRUST BLOCKS.

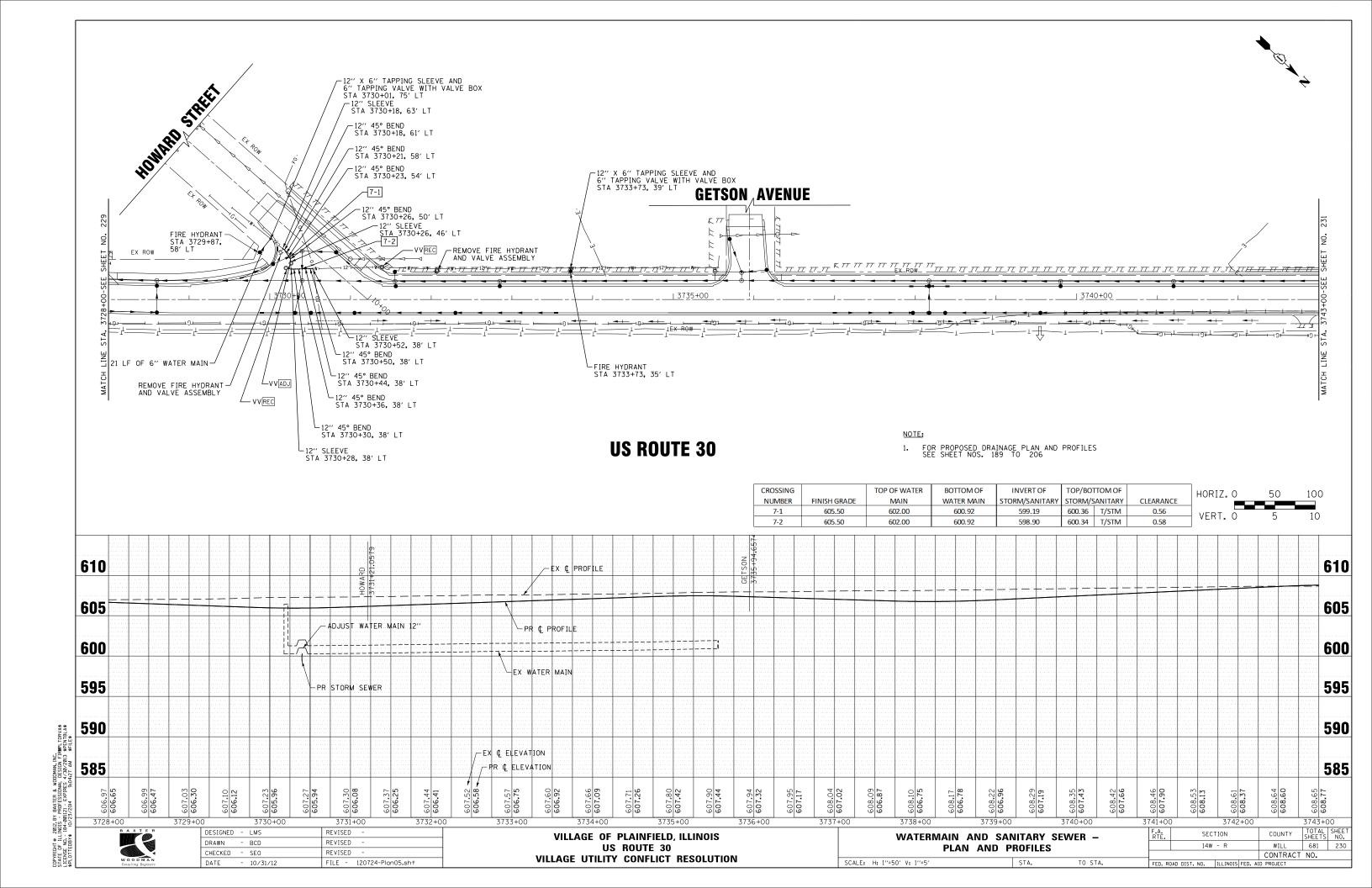
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CHECKED	-	EAQ	REVISED -
DATE	-	07-23-13	FILE - 120724-GenNotes.sht

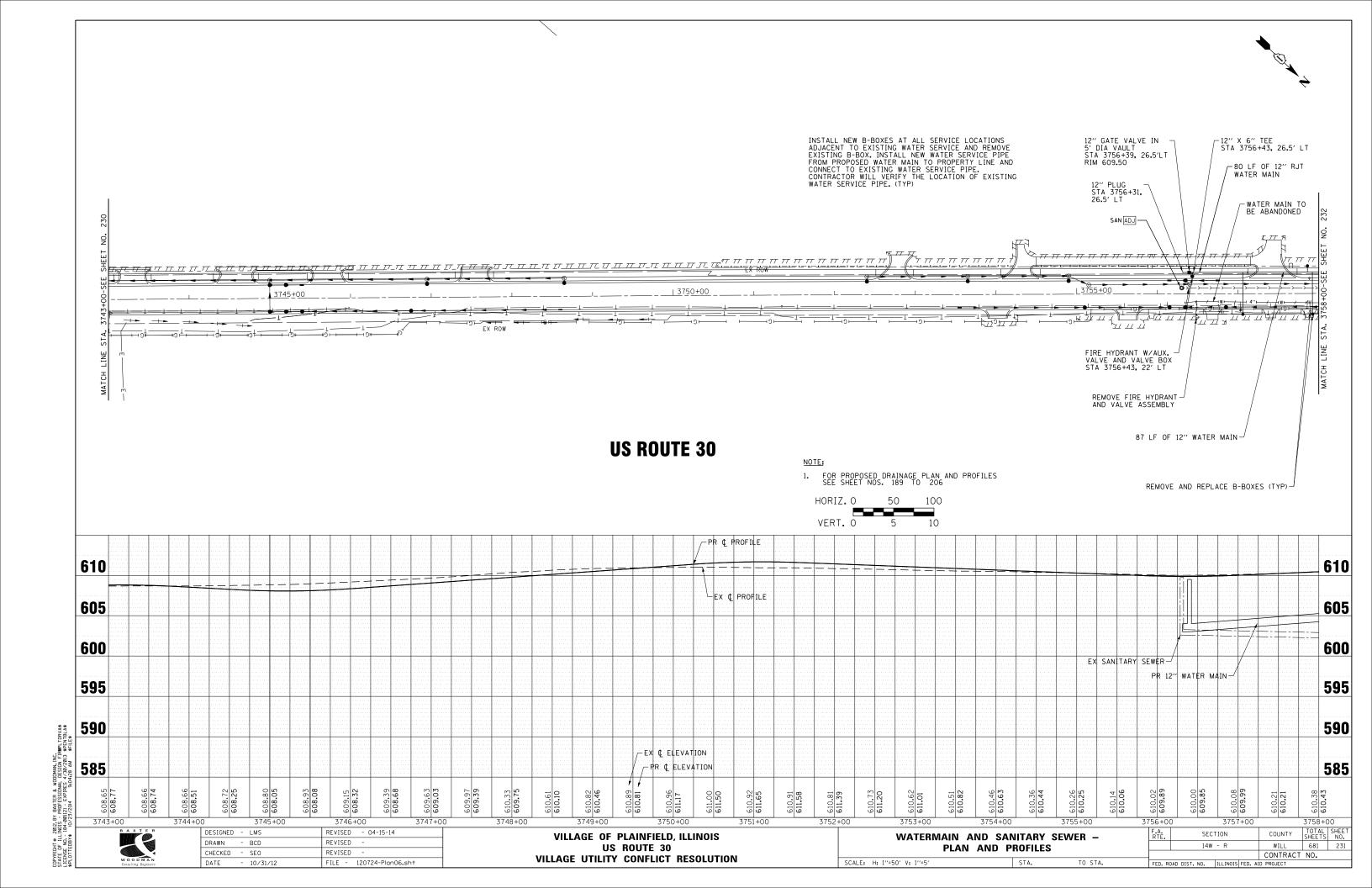


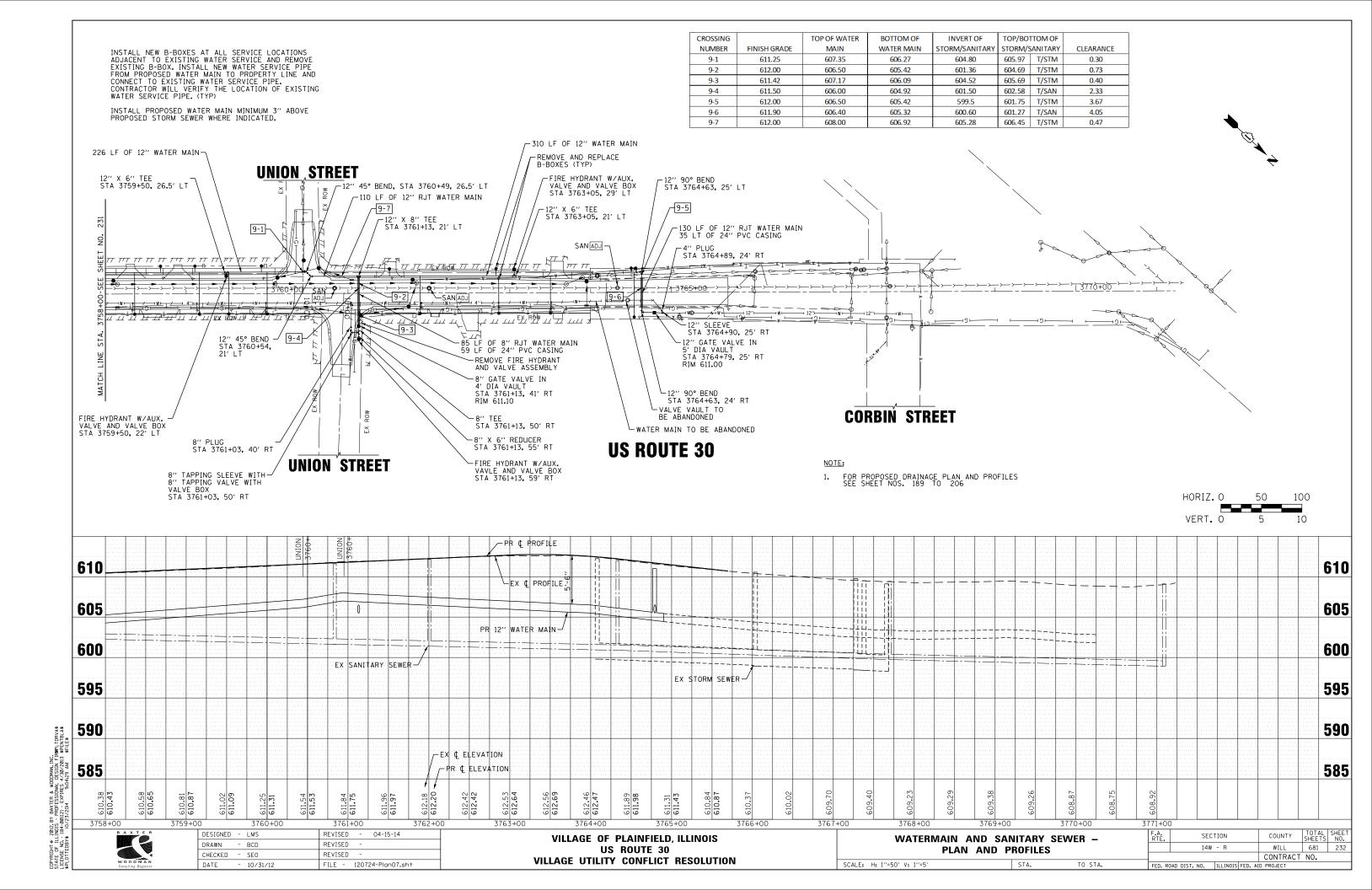


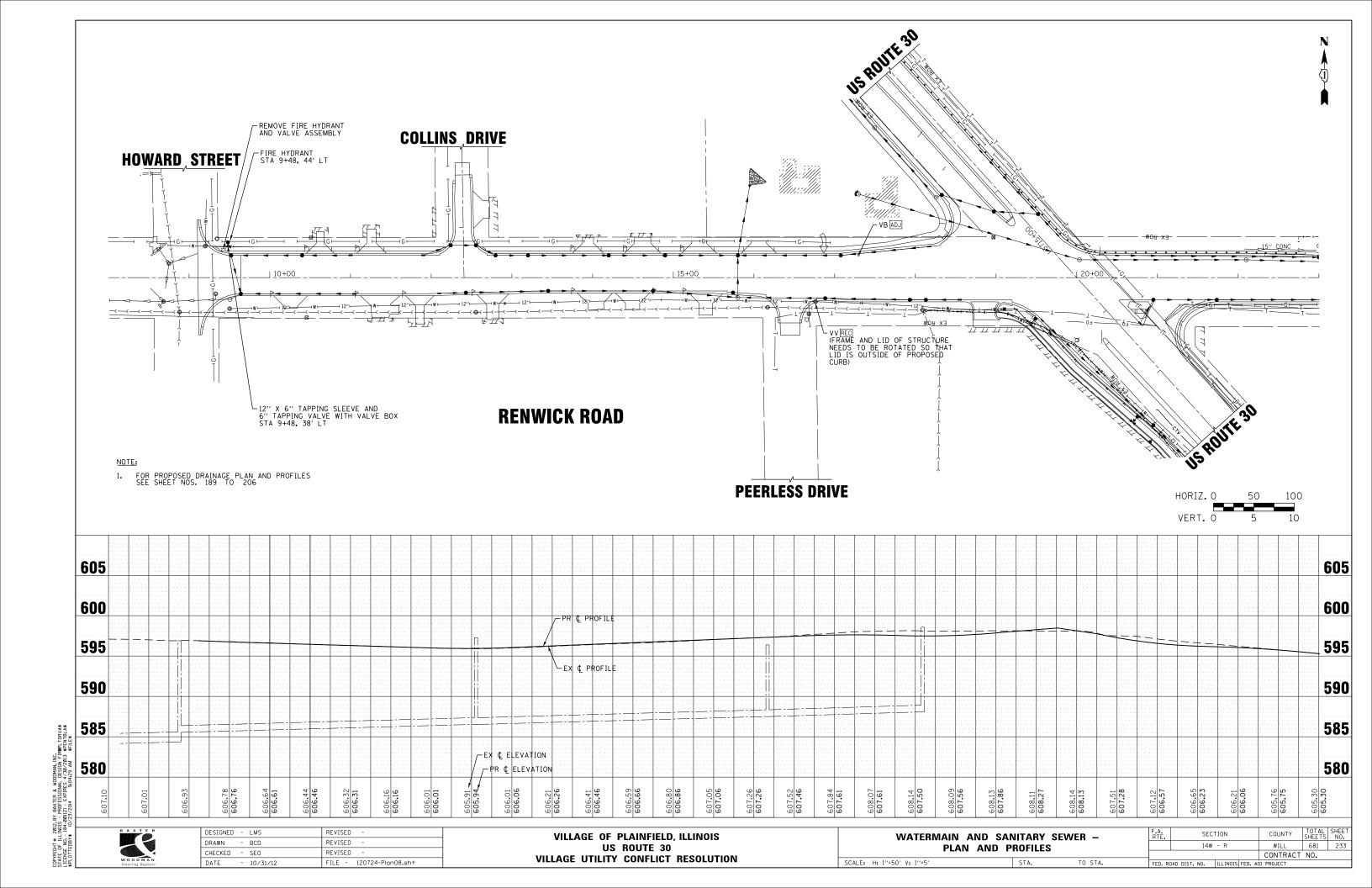












# PROPOSED PUMPING STATION AND VALVE VAULT WORK

SCALE: 1/2" = 1'-0"

(CONTRACTOR DOES NOT NEED TO FOLLOW THE SEQUENCE OF WORK LISTED BELOW, AND MAY PERFORM THESE AND OTHER NECESSARY ACTIVITIES IN ANY SEQUENCE TO MEET THEIR PLAN AND SCHEDULE)

# **PUMPING STATION:**

REMOVE AND DISPOSE OF EXISTING CONCRETE BLOCK RETAINING WALL (18" HIGH, APPROXIMATELY 12 FEET LONG).

INSTALL NEW CONCRETE PAD WITH EMBEDDED ELECTRICAL CONDUITS FOR ELECTRICAL PANEL

DRILL/CORE TEMPORARY HOLE IN STRUCTURE WALL FOR POWER AND CONTROL CABLES

PROVIDE AND INSTALL TEMPORARY CONDUCTOR (WIRE) EXTENSIONS TO ALLOW WIRES TO BE REMOVED FROM JUNCTION BOX AND RECONNECTED TO PUMP CABLES OUTSIDE THE PUMPING

DISCONNECT GUIDE BARS AND FLOAT CORDS FROM HATCH/TOP SLAB, AND PROVIDE AND INSTALL TEMPORARY SUPPORT INSIDE PUMPING STATION FOR GUIDE BARS AND FLOAT CORDS.

REMOVE EXISTING GUIDE BAR BRACKET FROM EXISTING HATCH FRAME AND STORE BRACKET TO BE USED LATER. SET REFERENCE POINTS TO ESTABLISH LOCATION AND ALIGNMENT OF INTERIOR SIDE OF EXISTING HATCH FRAME AT GUIDE BAR BRACKET.

REMOVE EXISTING TOP SLAB (INCLUDING VENT PIPE, JUNCTION BOX, HOIST BASE AND HATCH). PROTECT PUMPS FROM FALLING DEBRIS.

INSTALL NEW 2'-9" TALL, 6'-0" DIAMETER PRECAST CONCRETE MANHOLE SECTION ON TOP OF EXISTING PUMPING STATION STRUCTURE.

INSTALL NEW 12" THICK PRECAST CONCRETE TOP SLAB WITH NEW HATCH (PER DRAWING DETAIL) AND LOCATE AND ALIGN HATCH WITH PREVIOUSLY SET REFERENCE POINTS. DO NOT REINSTALL HOIST BASE.

EXTEND EXISTING GUIDE BARS WITH INTERNAL SLEEVE AND ADDITIONAL 2" STAINLESS

INSTALL NEW JUNCTION BOX ON UNI-STRUT PEDESTAL MOUNTED TO PUMPING STATION

INSTALL EXISTING GUIDE BAR BRACKET AND CONNECT TO EXTENDED GUIDE BARS.

PROVIDE AND INSTALL AN INTERMEDIATE GUIDE BAR BRACKET (FOR ITT-FLYGT PUMPS) APPROXIMATELY HALF THE DISTANCE BETWEEN PUMPS AND TOP SLAB.

CORE WALL FOR NEW CONDUITS AND NEW VENT PIPE, AND INSTALL CONDUITS AND VENT PIPE. PLUG TEMPORARY HOLE, USED FOR CABLES/WIRES, WITH GROUT.

CONNECT NEW ELECTRICAL PANEL TO PUMPING STATION AND JUNCTION BOX.

# **VALVE VAULT:**

REMOVE EXISTING VALVE VAULT FRAME AND COVER AND CONE SECTION (5'-0" DIAMETER

INSTALL NEW 3'-0" TALL, 5'-0" DIAMETER PRECAST CONCRETE VALVE VAULT WALL SECTION (WITHOUT STEPS) ON TOP OF EXISTING VALVE VAULT STRUCTURE.

REINSTALL EXISTING CONE SECTION AND FRAME AND COVER.

INSTALL MANHOLE STEPS IN NEW VALVE VAULT WALL SECTION TO PROVIDE EQUAL SPACING OF STEPS BETWEEN EXISTING STEPS.

# **GENERAL SITE WORK:**

CONSTRUCT NEW SEGMENTAL BLOCK RETAINING WALL AROUND PUMPING STATION, VALVE VAULT, AND ELECTRICAL PANEL PAD.

### PUMPS:

THE POWER CABLE ON THE SOUTH PUMP IS NOT LONG ENOUGH TO REACH THE PROPOSED JUNCTION BOX. EARLY IN CONSTRUCTION, CONTRACTOR TO WORK WITH ITT - FLYGT AND THE VILLAGE OF PLAINFIELD TO SCHEDULE THE REPLACEMENT OF THE POWER CABLE ON THE SOUTH PUMP. WHILE BYPASS PUMPING EQUIPMENT IS AVAILABLE; CONTRACTOR IS TO SEND SOUTH PUMP TO FLYGT SERVICE COMPANY FOR POWER CABLE REPLACEMENT AND TO ALSO REINSTALL THE SOUTH PUMP IN THE PUMPING STATION. POWER CABLE TO BE OF A LENGTH TO PROVIDE AT LEAST 10 FEET OF SURPLUS CABLE AFTER PUMP REINSTALLATION.

SCALE: 1'

# **ELECTRICAL NOTES:**

ALL ELECTRICAL WORK IN RAW SEWAGE WET WELL SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (N.E.C.) REQUIREMENTS FOR CLASS 1, DIVISION 1, GROUP D HAZARDOUS LOCATIONS.

LINK-SEAL, OR EQUAL

- PROVIDE XP JUNCTION BOXES MTD. W/ STN. STL. CHANNELS ON TOP SLAB OF WET WELL AS FOLLOWS:
  - OVERALL DIMENSIONS AS REQUIRED. SIDE HINGED COVERS.

**VENT PIPE DETAIL** 

- PLASTIC INSULATING BUSHING ON WET WELL END OF EA. CONDUIT PENETRATION THROUGH WET WELL WALL. WHERE CABLES ENTER XP JUNCTION BOX, CAULT @ EA. NIPPLE W/ DUCT SEALING COMPOUND TO PREVENT
- MOISTURE.

  PROVIDE SCREW-COMPRESSION TERMS. INSIDE XP
  JUNCTION BOXES FOR CONNECTION OF PUMP, FLOAT
  SW. & LIMIT SW. CABLE LEADS TO WIRES RUNNING TO
- SW. & LIMIT SW. CABLE LEADS TO WINES ROUNTING TO ELECTRICAL ENCLOSURE.

  DO NOT SPLICE SUBMERSIBLE LEVEL XDCR CABLE SDCR. CABLE MUST RUN CONTINUOUSLY (UN-SPLICED)
  FROM XDCR. TO SCADA PANEL IN ELECTRICAL ENCLOSURE.
  CONDUITS RUNNING FROM XP JB TO WET WELL TO BE PVC
- COATED, GALV. RIGID STEEL.

  3. SUPPORT ALL CABLES IN WET WELL W/ STN. STL. OPEN WEAVE MESH GRIPS (KELLEMS, OR EQUAL) ATTACHED FROM HOOKS FASTENED TO ACCESS HATCH
- DO NOT MOUNT ANY ELECTRICAL DEVICES/ BOXES TO THE BACK OF THE ELECTRICAL ENCLOSURE

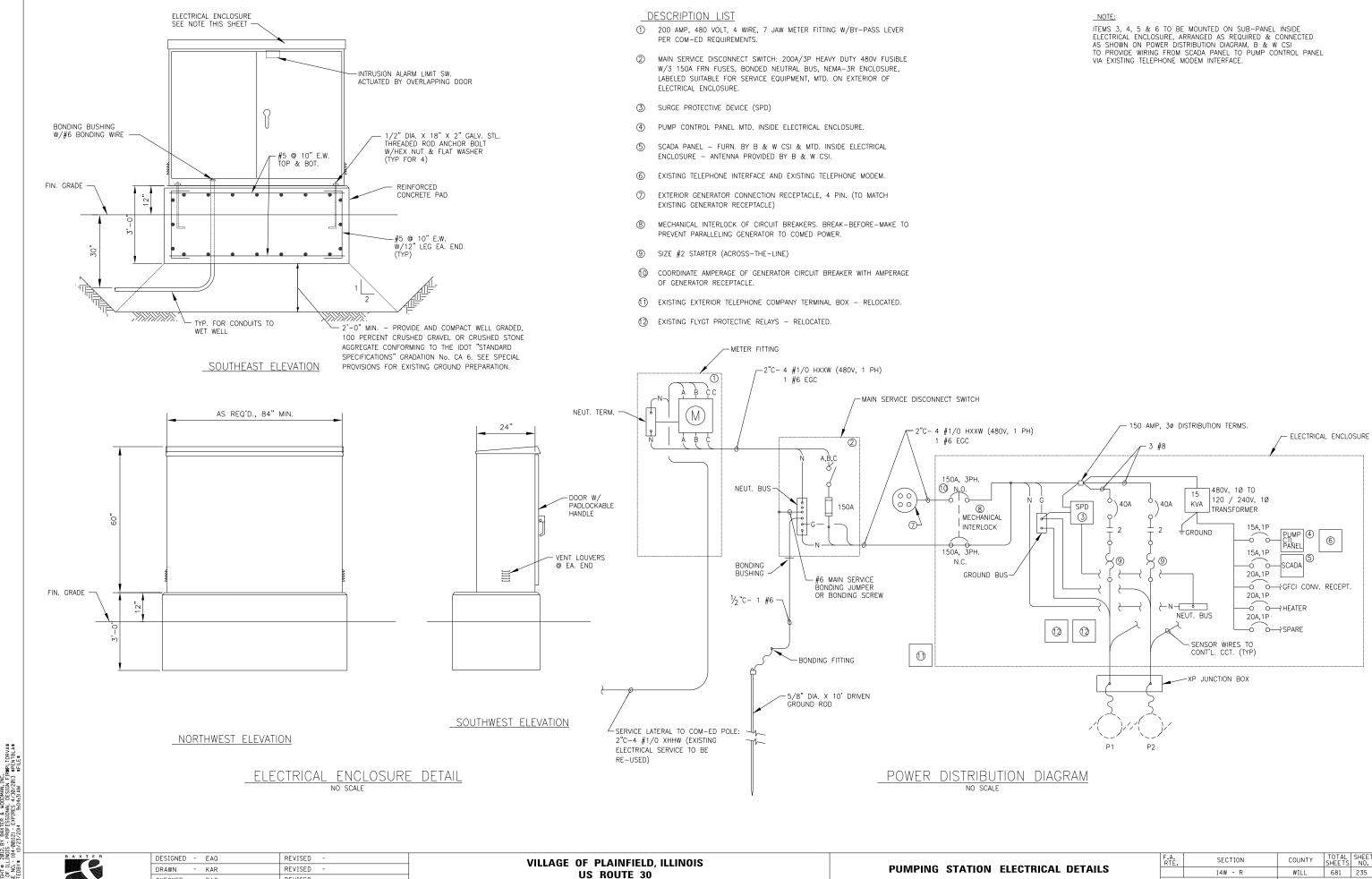


INSTALL ELECTRIC PANEL.

_				
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	CHECKED	-	EAQ	REVISED -
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**VILLAGE OF PLAINFIELD, ILLINOIS** US ROUTE 30 **VILLAGE UTILITY CONFLICT RESOLUTION** 

DUMBUNG OTATION SISOTRIA		4 N.D. DET4.		F.A. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
PUMPING STATION ELECTRIC	ICAL PLAN AND DETA		LS		14W	- R	WILL	681	234
							CONTRACT	NO.	
ALE: 1" = 20"	STA.	TO STA.		FED. RO	DAD DIST, NO.	ILLINOIS FED. AI	D PROJECT		

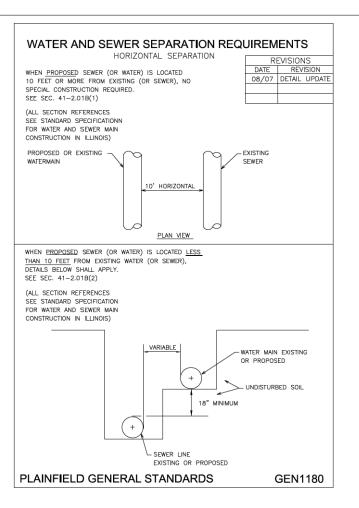


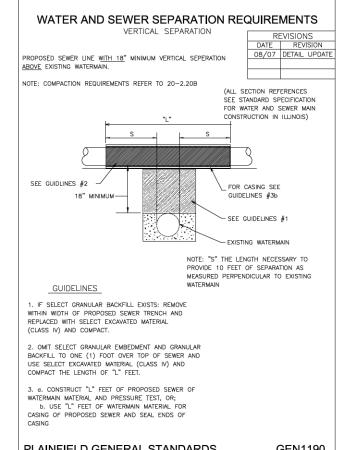
CHECKED - EAQ REVISED - 07-23-13 FILE - 120724-Details.sht

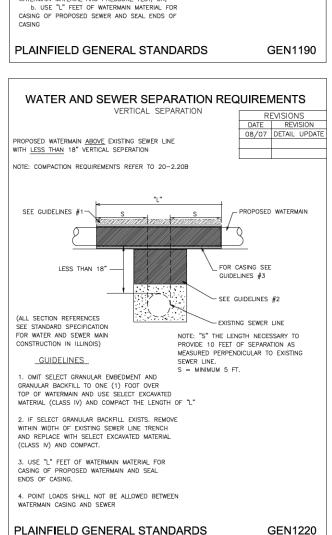
US ROUTE 30 **VILLAGE UTILITY CONFLICT RESOLUTION** 

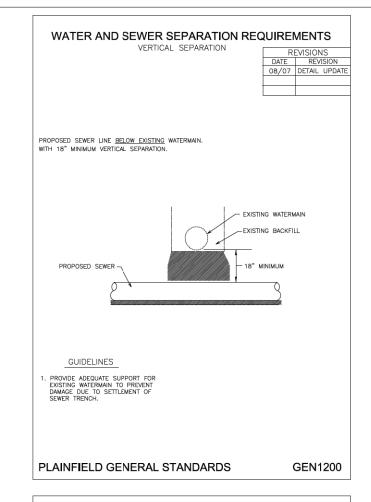
SCALE: 1" = 20'

CONTRACT NO. TO STA. FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT









WATER AND SEWER SEPARATION REQUIREMENTS

REVISIONS DATE REVISION

08/07 DETAIL UPDATE

- EXISTING SEWER LINE

NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION

AS MEASURED PERPENDICULAR TO

EXISTING SEWER LINE.
S = MINIMUM 5 FT.

- 18" MINIMUM

VERTICAL SEPARATION

PROPOSED WATERMAIN BELOW EXISTING SEWER LINE

WITH 18" MINIMUM VERTICAL SEPARATION NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.0B

(ALL SECTION REFERENCES

SEE STANDARD SPECIFICATION FOR WATER AND SEWER MAIN

CONSTRUCTION IN ILLINOIS) SEE GUIDELINES #2

GUIDELINES

(CLASS IV) AND COMPACT.

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATERMAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L"

2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH

3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

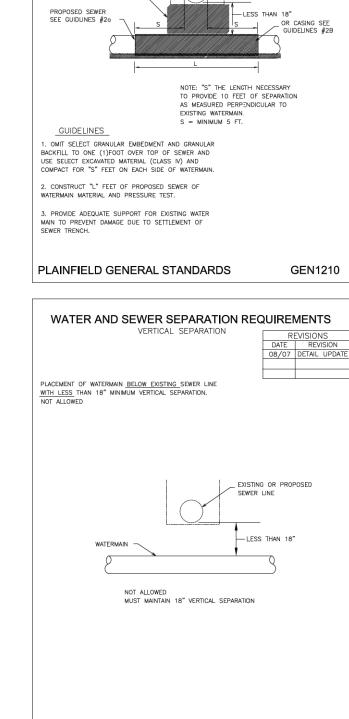
PLAINFIELD GENERAL STANDARDS

SCALE: NONE

AND REPLACE WITH SELECT EXCAVATED MATERIAL

4. USE "L" FEET OF WATERMAIN MATERIAL FOR

CASING OF PROPOSED WATERMAIN AND SEAL



PLAINFIELD GENERAL STANDARDS

WATER AND SEWER SEPARATION REQUIREMENTS

REVISIONS
DATE REVISION
8/07 DETAIL UPDATE

- FXISTING WATERMAIN

VERTICAL SEPARATION

PROPOSED SEWER LINE  $\underline{\text{BELOW EXISTING}}$  WATERMAIN  $\underline{\text{WITH LESS}}$  THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

(ALL SECTION REFERENCES

SEE STANDARD SPECIFICATION

FOR WATER AND SEWER MAIN

CONSTRUCTION IN ILLINOIS)

SEE GUIDELINES #1



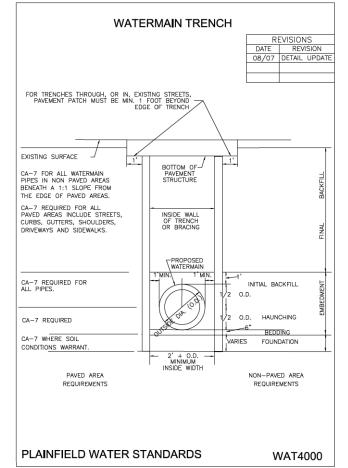
DESIGNED	-	EAO	REVISED -	Γ
DRAWN	-	KAR	REVISED -	1
CHECKED	-	EAQ	REVISED -	1
DATE	-	07-23-13	FILE - 120724-Details.sht	1

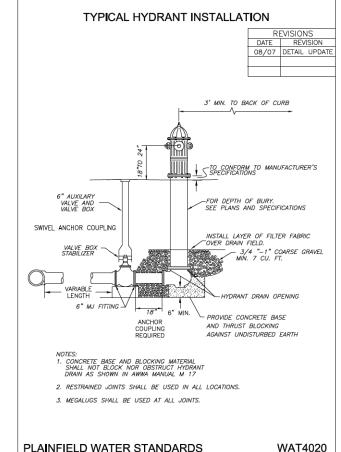
**VILLAGE OF PLAINFIELD, ILLINOIS** US ROUTE 30 **VILLAGE UTILITY CONFLICT RESOLUTION**  **VILLAGE OF PLAINFIELD STANDARDS** TO STA.

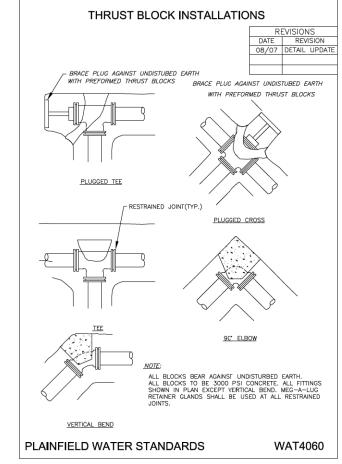
GEN1230

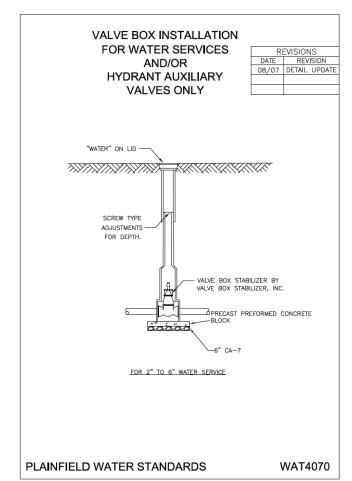
COUNTY 14W - R WILL 681 236 CONTRACT NO. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

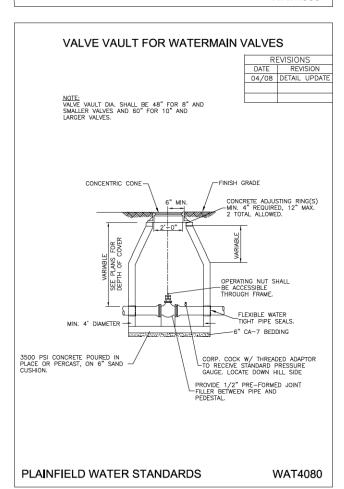
**GEN1240** 

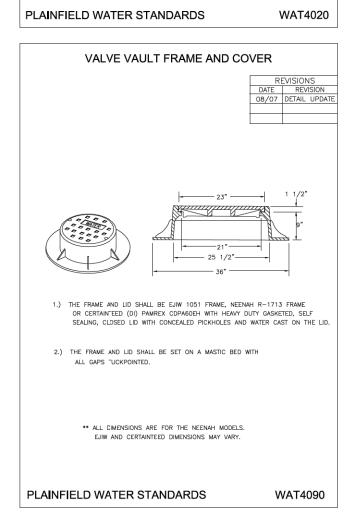




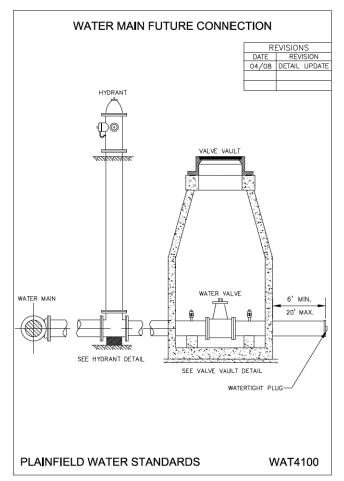








SCALE: NONE

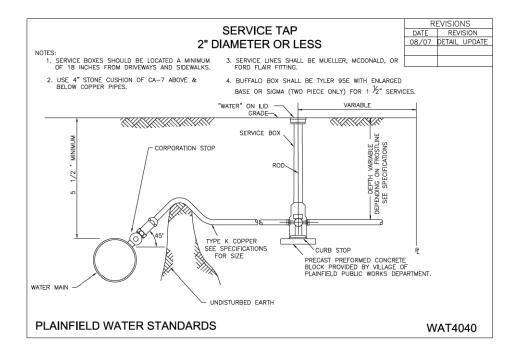


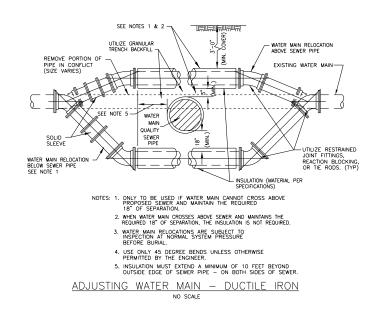
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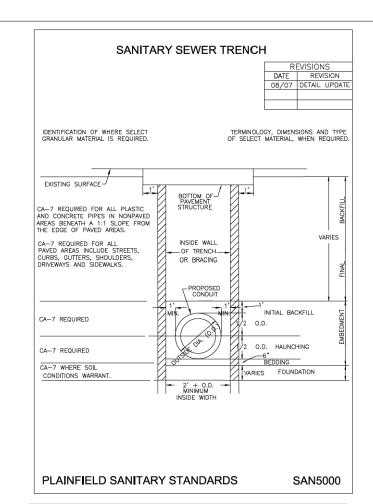
DESIGNED	-	EAO	REVISED -	
DRAWN	-	KAR	REVISED -	
CHECKED	-	EAQ	REVISED -	
DATE	-	07-23-13	FILE - 120724-Details.sht	

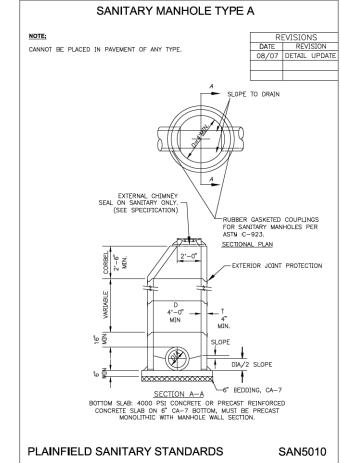
VILLAGE OF PLAINFIELD, ILLINOIS US ROUTE 30 VILLAGE UTILITY CONFLICT RESOLUTION

VILLAGE OF PL	F.A. RTE.	SEC	SECTION		TOTAL SHEETS	SHEE NO.		
STANDARDS				14W	- R	WILL	681	237
						CONTRACT	NO.	
	STA.	TO STA.	FED. RO	DAD DIST, NO.	ILLINOIS FED. A	ID PROJECT		











DESIGNED	-	EAO	REVISED -
DRAWN	-	KAR	REVISED -
CHECKED	-	EAQ	REVISED -
DATE	-	07-23-13	FILE - 120724-Details.sht

## **SCHEDULE OF QUANTITIES**

SCHEDULE OF	WATER M	MAIN AND RELATED I	TEMS														
STATIO	V	20201200	20800150	56103000	56103300	56105000	56105200	56106600	56400300	56400600	56400820	60248700	60248900	60265700	60266100	60266600	X0327078
FROM	TO	REM & DISP UNS MATL	TRENCH BACKFILL	D I WATER MAIN 6	D I WATER MAIN 12	WATER VALVES 8	WATER VALVES 12	ADJ WATER MAIN 12	FH ADJ	FIRE HYDRANTS	FIRE HYD W/AUX V& VB	VV TA 4 DIA T1F CL	VV TA 5 DIA T1F CL	VV ADJ	VV RECONST	VB ADJ	REM FIRE HYD/VALV ASS
		CU YD	CU YD	FOOT	FOOT	EACH	EACH	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH		EACH
U.S. ROUTE 30																	
3671+00	3684+00	105	340	20	0		1		2	1	0	0	2		1 (STA. 3663+35 LT)	2	1
3684+00	3699+00		870	15	339		1			4	3	0	1	1		2	5
3699+00	3713+00		1,190	40	509		1			4	3	0	2	1		6	6
3713+00	3728+00		550	10	165		1			0	1	0	1				1
3728+00	3743+00		30	15	0		0	34		2	0	0	0	1	2		2
3743+00	3758+00		260	0	87		1			0	1	0	1				1
3758+00	3770+00		1,500	15	536	1	1			0	3	1	1				1
WEST FRONTAGE ROAD																	
10+50	19+00																
LILY CACHE ROAD		•	•	•	•				•						•		
6+85	9+00																
MCCLELLAN AVENU	E																
10+50	11+75																
RENWICK ROAD																	
9+64	18+00									1					1	1	1
22+00	28+30																
COLLINS DRIVE																	
3+00	3+65																
7+85	9+50																
TOTALS		105	4,740	115	1,636	1	6	34		12	11	1	8	3	4	11	18

	EDULE OF WATER MAIN AND RELATED ITEMS											
						1						
	TION	X2130010	X5610009	X5610004	X5610654	X5610658	X5610662	X5610822	X5610900	X5610752	X5620102	X5620104
FROM	TO	EXPLOR TRENCH SPL	PIPE INSULATION SYST	D I WTR MN FITTINGS	WATER MAIN ABANDON 4	WATER MAIN ABANDON 8	WATER MAIN ABANDON 12	DI WM RESJNT P 12 T	DI WM 8 DIA RESJNT P	WM LINE STOP 12	WTR SVC REPL 1.5 SHRT	WTR SVC REPL 1.5 LONG
		FOOT	FOOT	POUND	FOOT	F00T	FOOT	F00T	FOOT	EACH	EACH	EACH
U.S. ROUTE 3	0											
3671+00	3684+00	15		885				95				
3684+00	3699+00	15		3,845		100	505	230		2	6	
3699+00	3713+00	15		2,920		100	555	145			5	
3713+00	3728+00	15		670			200	30				
3728+00	3743+00	15		0				0				
3743+00	3758+00	15		410	170			80			2	1
3758+00	3770+00	10	130	2,280	700	35		240	85		8	11
WEST FRONT	AGE ROAD											
10+50	19+00											
LILY CACHE F	OAD			•		•						
6+85	9+00											
MCCLELLAN A	VENUE				•	•						•
10+50	11+75											
RENWICK RO.	AD		•			•						•
9+64	18+00											
22+00	28+30											
COLLINS DRIV	/E		•	•	•	•	•		•			•
3+00	3+65											
7+85	9+50											
TOTALS		100	130	11,010	870	235	1,260	820	85	2	21	12

SCHEDULE OF WATER MAIN AND RELATED ITEMS										
STA	TION	X5630712	Z0044800	Z0045100				XX001047		
FROM	TO	CONN TO EX W MAIN 12	PRESS CONNECT 8X8	PRESS CONNECT 12X12	CASING PIPE, OPEN CUT, 24", PVC	WTR SVC REPL 2 SHRT	WTR SVC REPL 4 SHRT	VV TO BE ABANDONED		
		EACH	EACH	EACH	FOOT	EACH	EACH	EACH		
U.S. ROUTE 30	)									
3671+00	3684+00			1	60					
3684+00	3699+00	3			49	2	2	3		
3699+00	3713+00	1	1 1 76		1					
3713+00	3728+00	1								
3728+00	3743+00									
3743+00	3758+00									
3758+00	3770+00	1	1		95			1		
WEST FRONT	ONTAGE ROAD									
10+50	19+00									
LILY CACHE R	OAD									
6+85	9+00									
MCCLELLAN A	VENUE									
10+50	11+75									
RENWICK ROA	AD.									
9+64	18+00									
22+00	28+30									
COLLINS DRIV	E				·					
3+00	3+65									
7+85	9+50									
TOTALS		6	1	2	280	2	2	5		

		VER RELATED ITEMS													
STA	TION	X0327548	X0335700	X6026051	X6026055	X0324585	X0324878	X6026050	X6028000	Z0057100	X0322463	XX007811		XX007814	
FROM	TO	SEW AIR VAC VALV COMP	P.S. GENERAL WORK	SAN MAN RECONST	SAN MANHOLE SPL	SAN SEW SERV REM/REPL	ADJ SAN SEW SERV LINE	SAN MAN ADJ	MAN RECONST SPL	SAN SEW 12	CONNECT TO EX SEWER	FORCE MAIN 8	FORCE MAIN LINE STOP 8	FORCE MAIN BYPASS PUMPING	ABANDON FORCE MAIN
		EACH	L SUM	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	EACH	FOOT	EACH	L SUM	FOOT
J.S. ROUTE 3	)														
3671+00	3684+00	1	1	3	1	0	0	1	1	97	1			1	0
3684+00	3699+00			3		5	5	2							0
3699+00	3713+00			1		3	3	4				70	1		70
3713+00	3728+00					0	0					145	1		150
3728+00	3743+00					0	0								
3743+00	3758+00					2	2	1							
3758+00	3770+00					10	10	3							
VEST FRONT	AGE ROAD														
10+50	19+00														
ILY CACHE F	OAD		•					•		•	•	•			•
6+85	9+00														
ACCLELLAN A	VENUE														
10+50	11+75														
RENWICK RO	AD.														
9+64	18+00														
22+00	28+30														
COLLINS DRIV	E									•					
3+00	3+65														
7+85	9+50														
OTALS		1	1	7	1	20	20	11	1	97	1	215	2	1	220

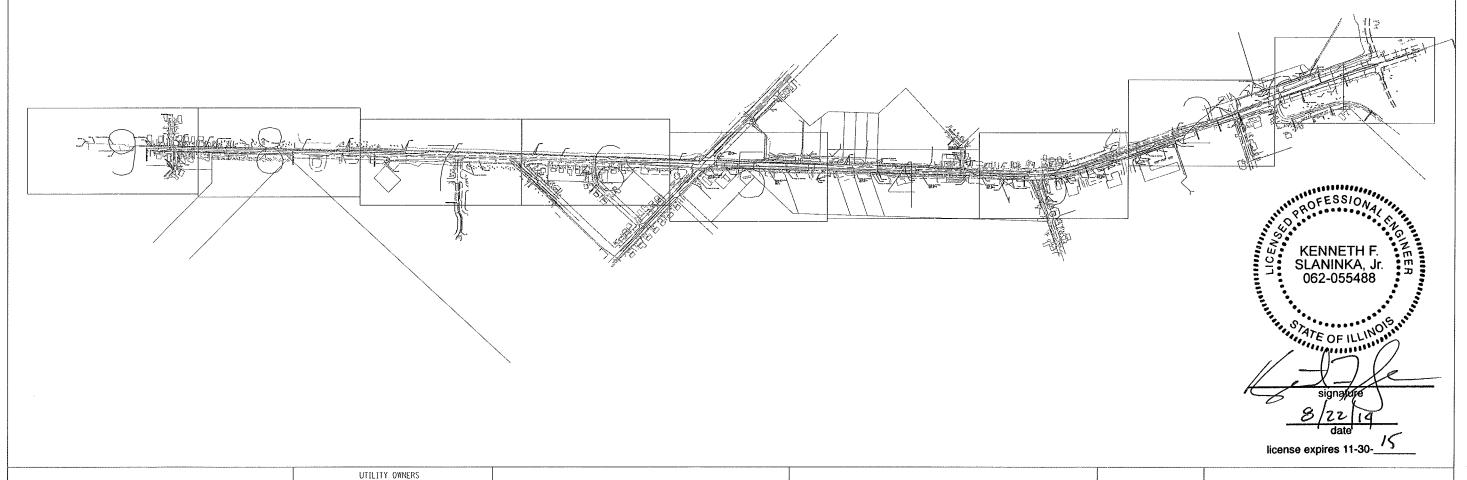


DESIGNED		EAU	KENIZED -
DRAWN	-	KAR	REVISED -
CHECKED	-	EAQ	REVISED -
DATE	-	07-23-13	FILE - 120724-S00.sht

VILLAGE OF PLAINFIELD, ILLINOIS
US ROUTE 30
VILLAGE UTILITY CONFLICT RESOLUTION

0011501115 05 0			F.A. RTE.	SECT	ION		COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF Q	UANTITIES	i		14W -	- R		WILL	681	239
		CON					CONTRACT	NO.	
SCALE: NONE	STA.	TO STA.	FED. R	DAD DIST. NO.	ILLINOIS F	ED. AID	PROJECT		





A ----- A ---- AERIAL UNKNOWN - CABLE TV WATER FORCE MAIN - FIBER OPTIC

TBE TEST HOLE

AT&T = TELEPHONE AT&T = FIBER OPTIC COMCAST = CABLE TV COM-ED = ELECTRIC NICOR = GAS
VILLAGE OF PLAINFIELD = FORCE MAIN
VILLAGE OF PLAINFIELD = WATER

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 OL"B" SUE field investigation was performed 3/13/12 through 4/06/12. Changes to utilities after 4/06/12 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.

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



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**Dynasty Group** Engineers & Surveyors

TBE Job No. [L095]0475, 476 SUE Plan Page: Cover

COUNTY TOTAL SHEET NO.
WIII 681 240

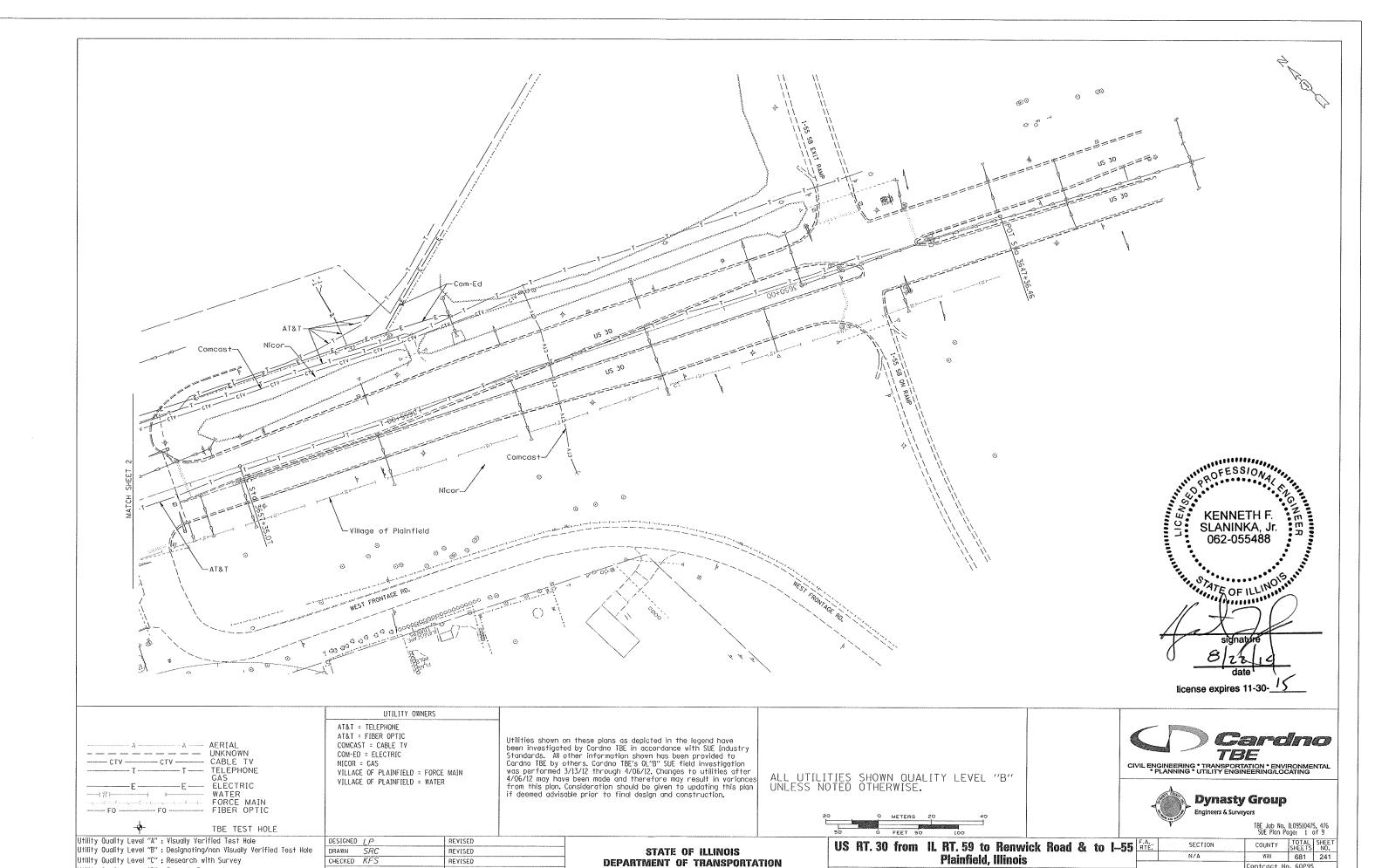
Utility Quality Level "B": Designating/non Visually Verified Test Hole Utility Quality Level "C": Research with Survey Utility Quality Level "D" : Records Research

Utility Quality Level "A" : Visually Verified Test Hole

DESIGNED LP REVISED DRAWN SRC REVISED CHECKED KFS REVISED DATE 4/09/12 REVISED

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  US RT. 30 from IL RT. 59 to Renwick Road & to I-55 Plainfield, Illinois

Contract No. 60P95 FED. ROAD DIST. NO. \_ ILLINOIS IDOT Project No.



STATE OF ILLINOIS

**DEPARTMENT OF TRANSPORTATION** 

Contract No. 60P95

DRAWN SRC

CHECKED KFS

DATE 4/09/12

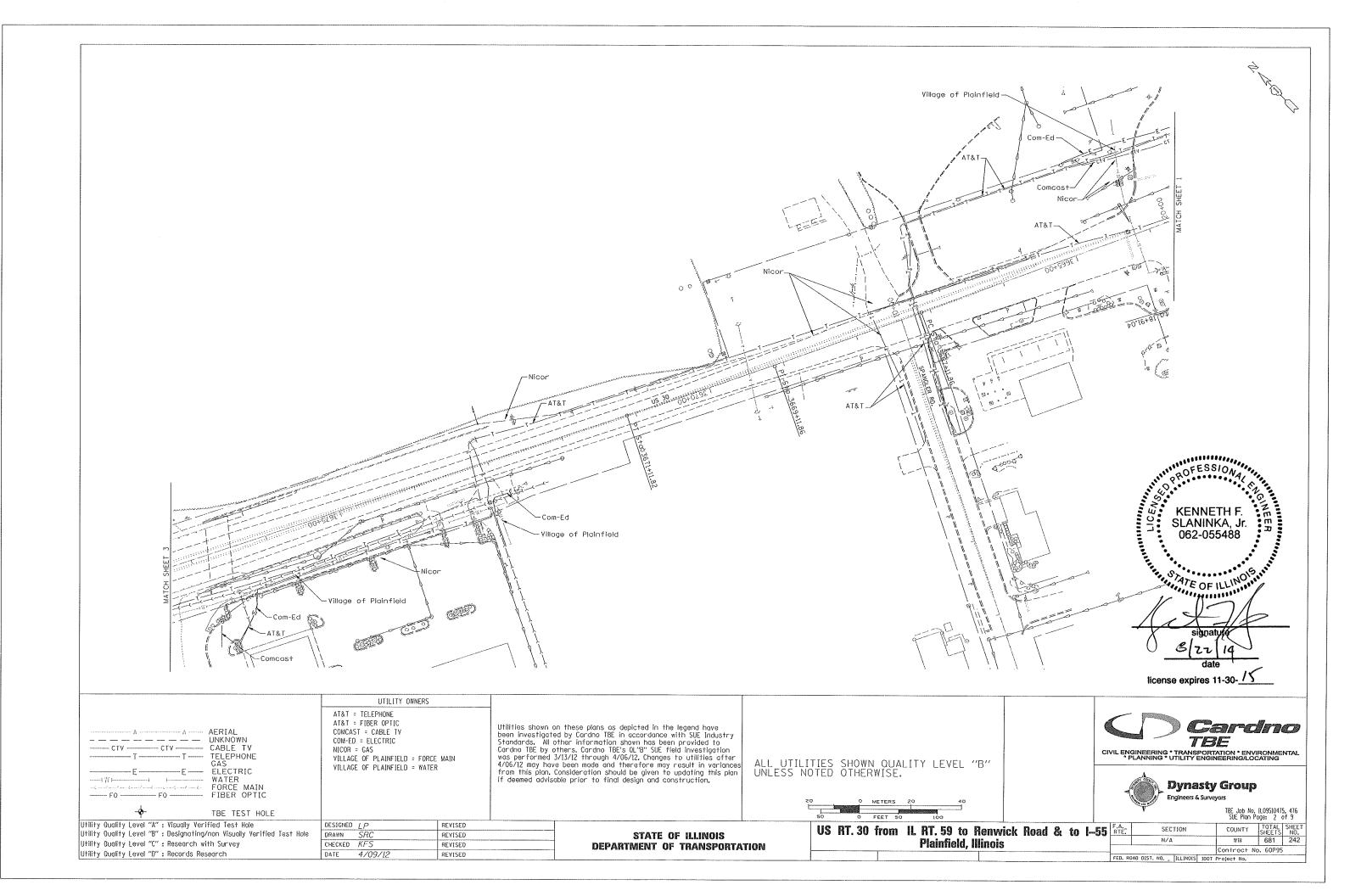
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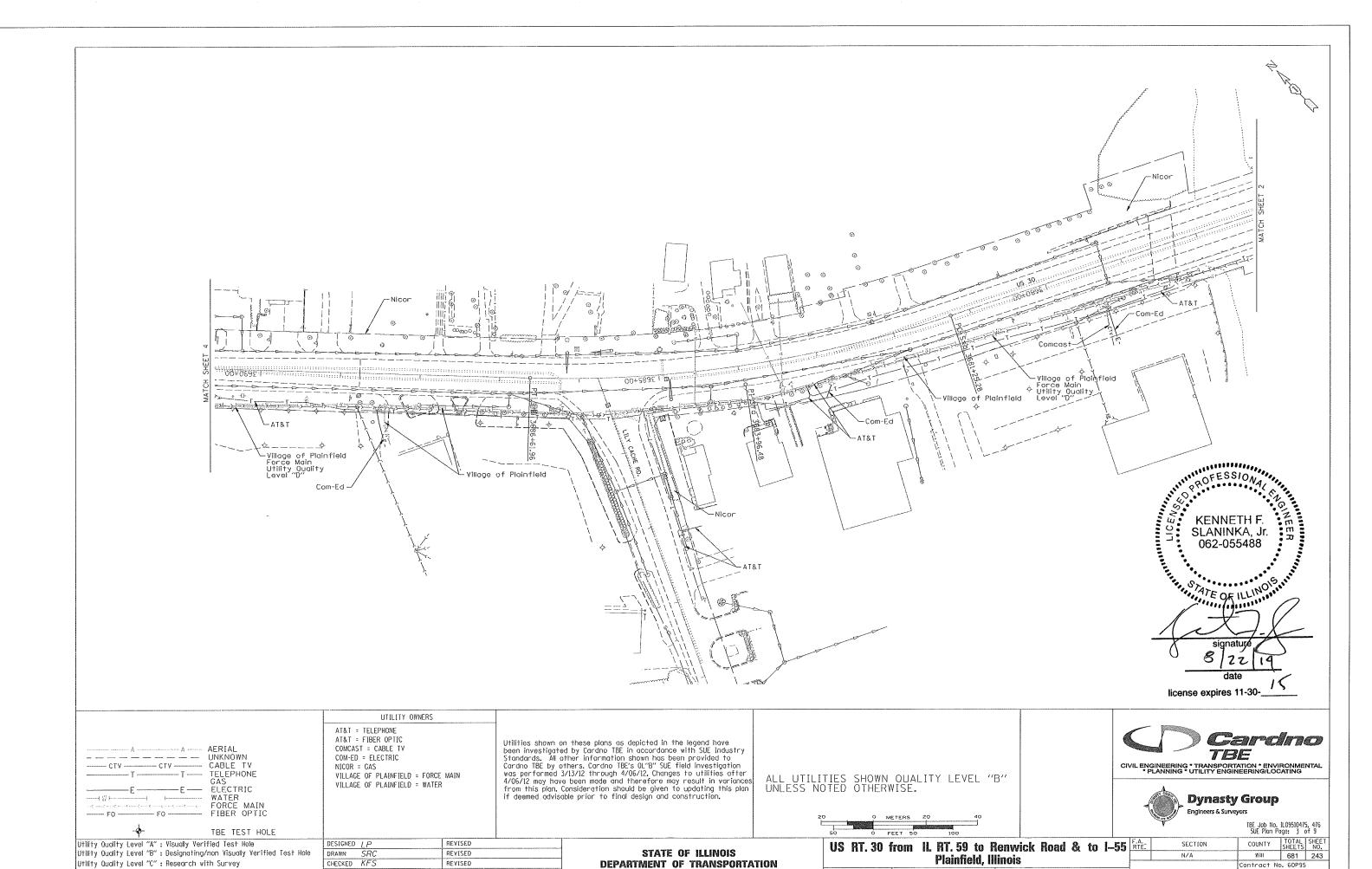
Utility Ouality Level "D": Records Research

REVISED

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REVISED





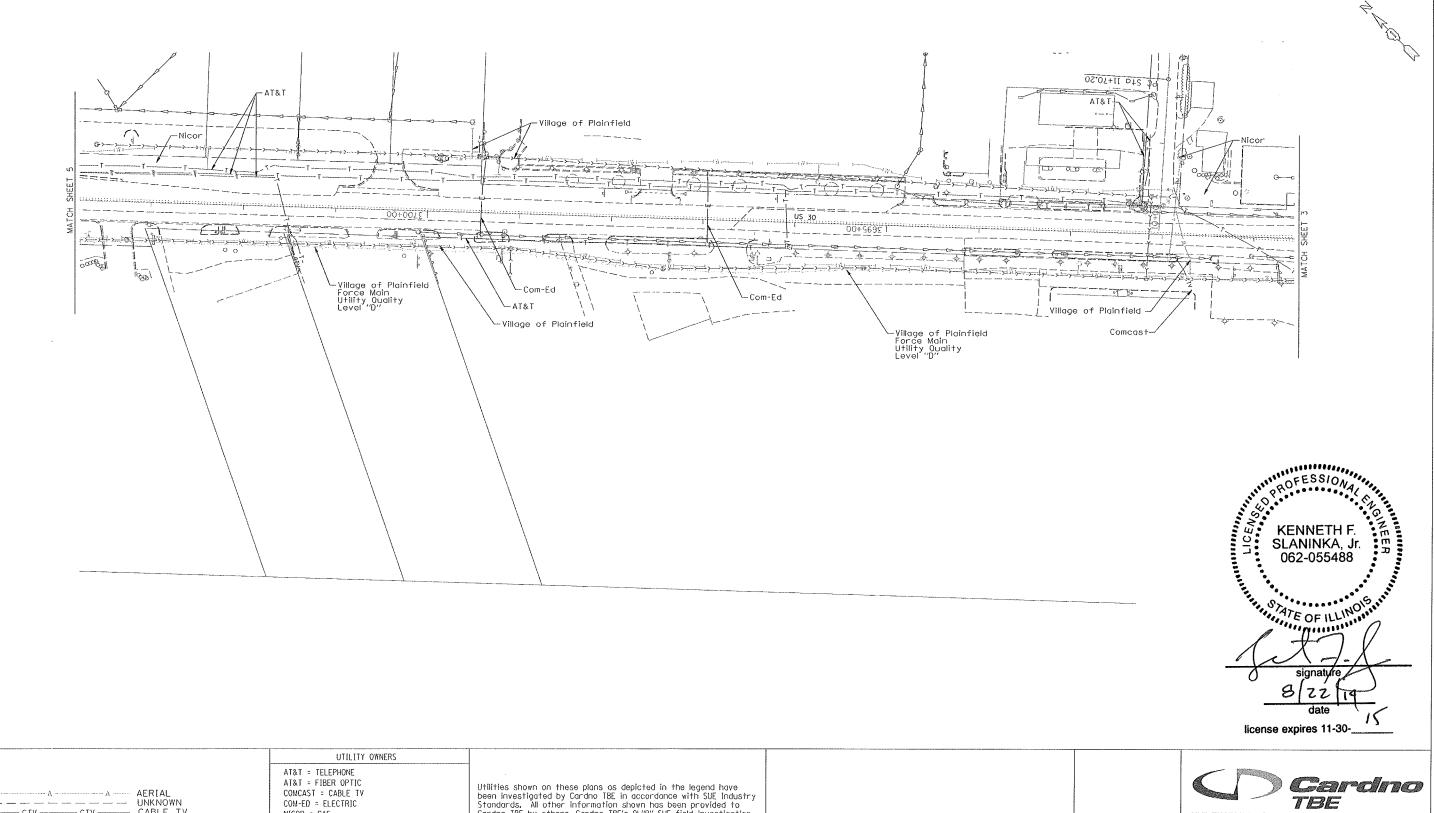
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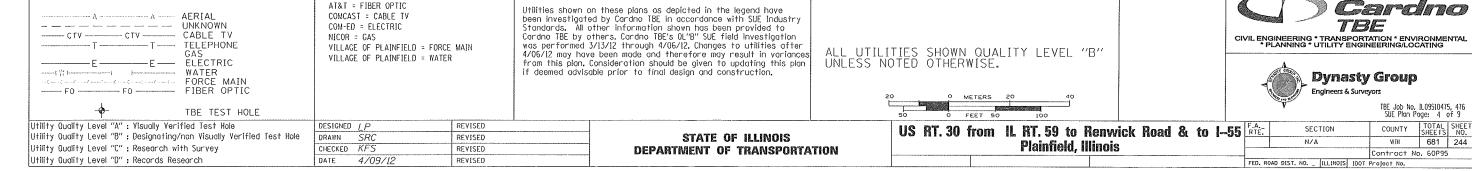
DATE 4/09/12

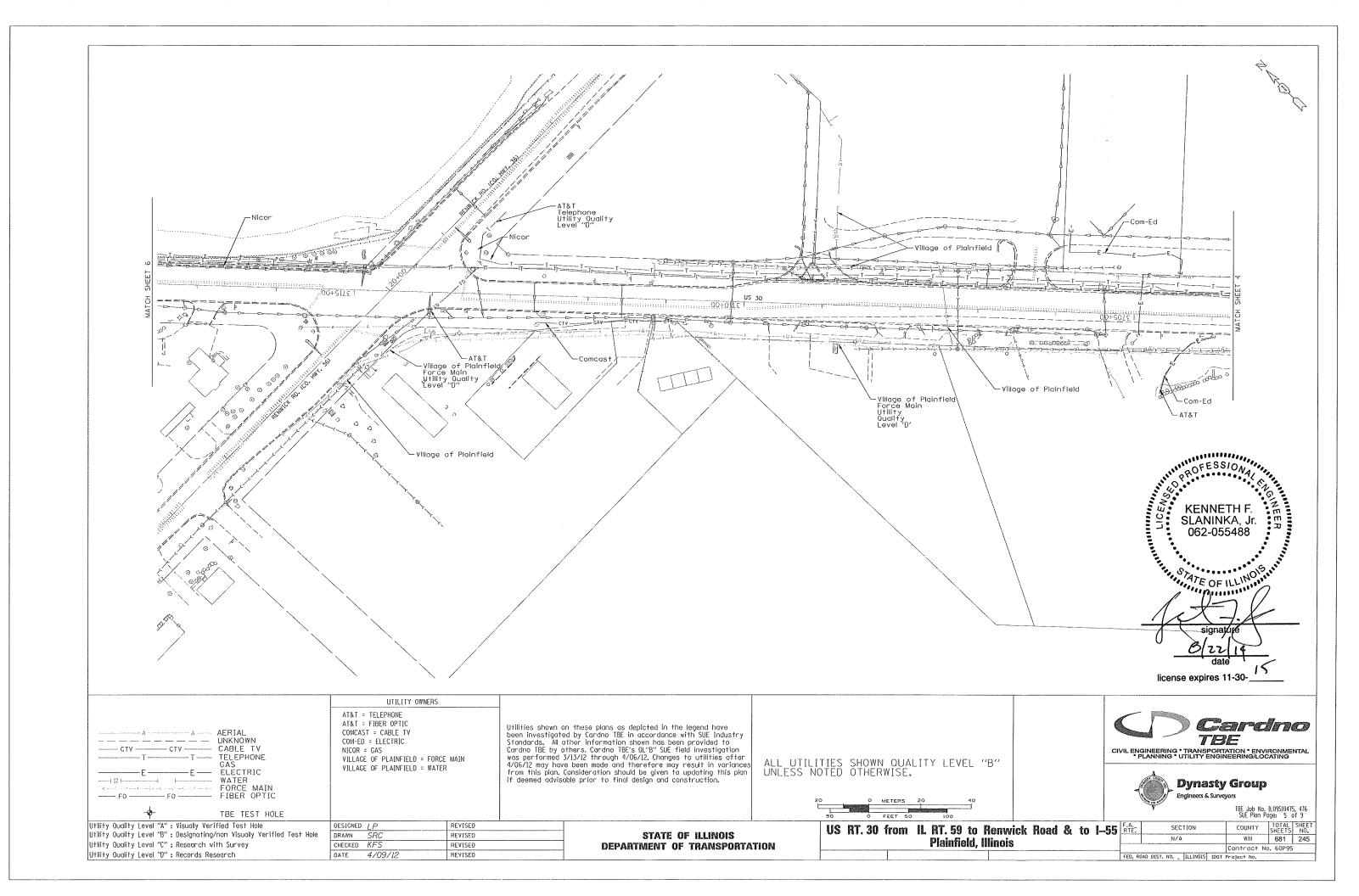
REVISED

Contract No. 60P95

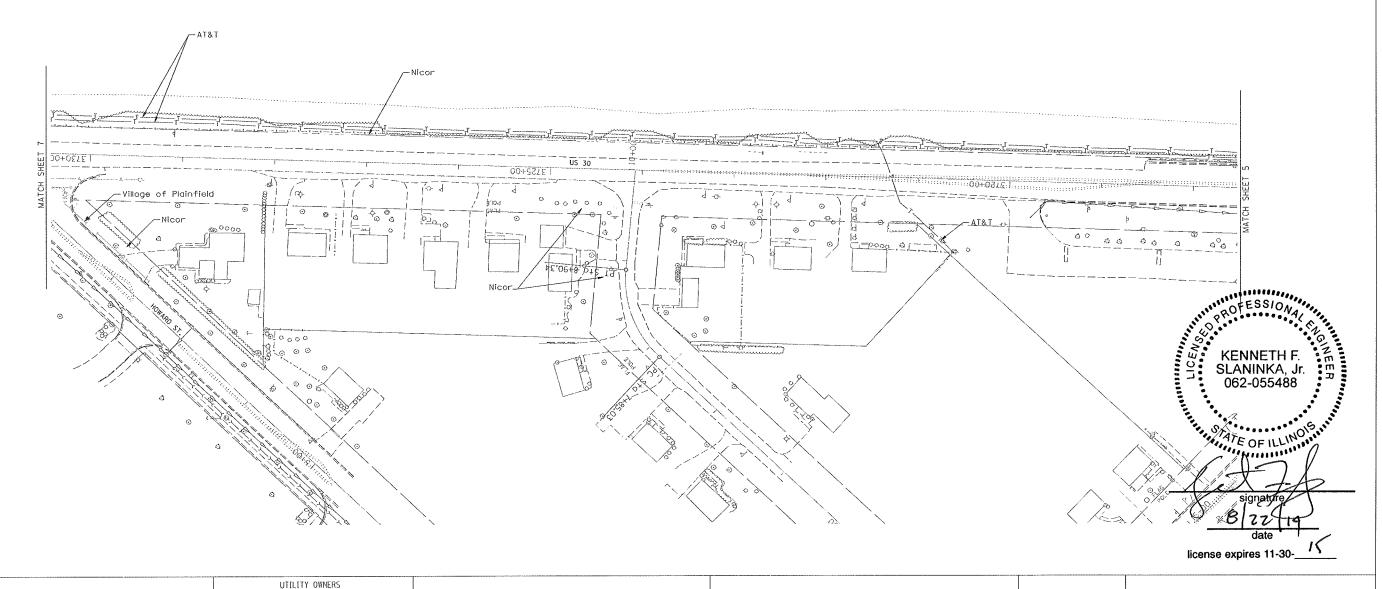
FED. ROAD DIST. NO. \_ ILLINOIS IDOT Project No.

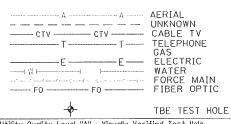












AT&T = TELEPHONE AT&T = FIBER OPTIC COMCAST = CABLE TV COM-ED = ELECTRIC NICOR = GAS VILLAGE OF PLAINFIELD = FORCE MAIN VILLAGE OF PLAINFIELD = WATER

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**Dynasty Group** 

TBE Job No. IL09510475, 476 SUE Plan Page: 6 of 9

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

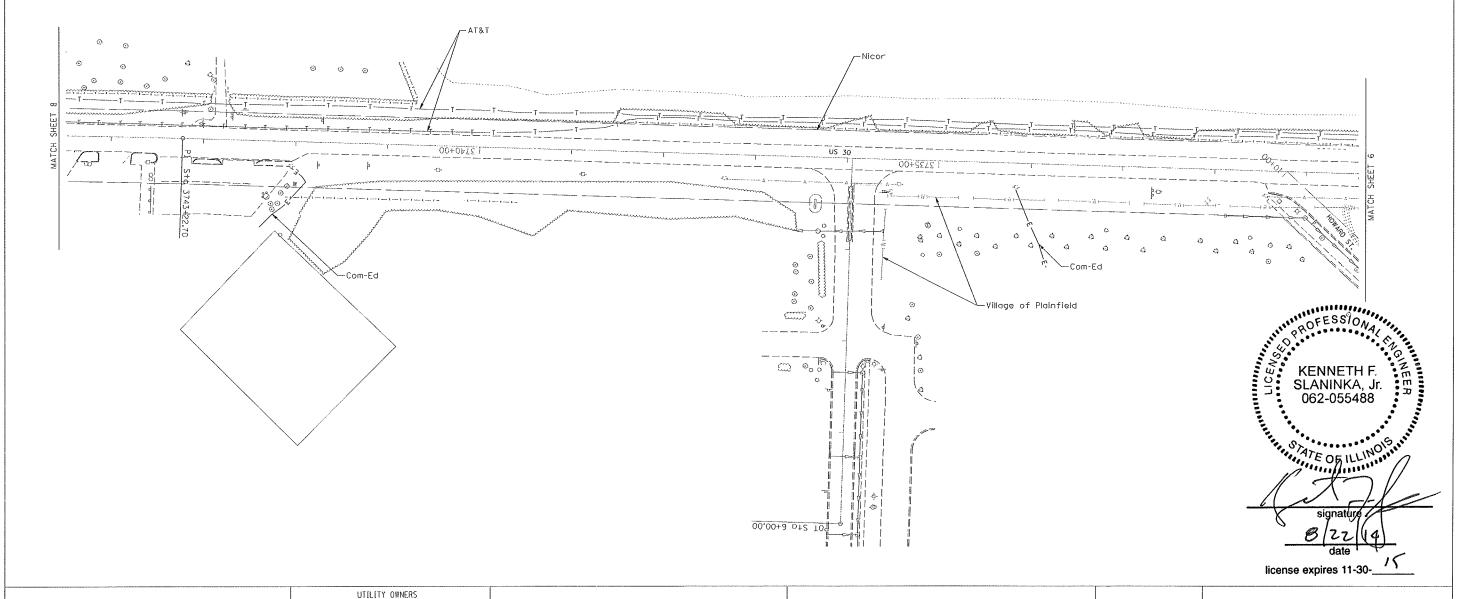
Utility Quality Level "D" : Records Research

DESIGNED LP REVISED REVISED CHECKED KFS REVISED DATE 4/09/12 REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION US RT. 30 from IL RT. 59 to Renwick Road & to I-55 FAE Plainfield, Illinois

COUNTY TOTAL SHEET NO.
WIII 681 246 SECTION Contract No. 60P95 FED. ROAD DIST. NO. \_ ILLINOIS IDOT Project No.





A A AERIAL
UNKNOWN
CTV CTV CTV CABLE TV
T TELEPHONE
GAS
E E E ELECTRIC
WATER
FORCE MAIN
FO FO FIBER OPTIC

TBE TEST HOLE

AT&T = TELEPHONE

AT&T = FIBER OPTIC

COMCAST = CABLE TV

COM-ED = ELECTRIC

NICOR = GAS

VILLAGE OF PLAINFIELD = FORCE MAIN

VILLAGE OF PLAINFIELD = WATER

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 01.76" SUE field investigation was performed 3/13/12 through 4/06/12. Changes to utilities after 4/06/12 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.

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



) Cardno TBE

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Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510475, 476 SUE Plan Page: 7 of 9

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
 SRC
 REVISED

 CHECKED
 KFS
 REVISED

 DATE
 4/09/12
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RT. 30 from IL RT. 59 to Renwick Road & to I-55 Plainfield, Illinois

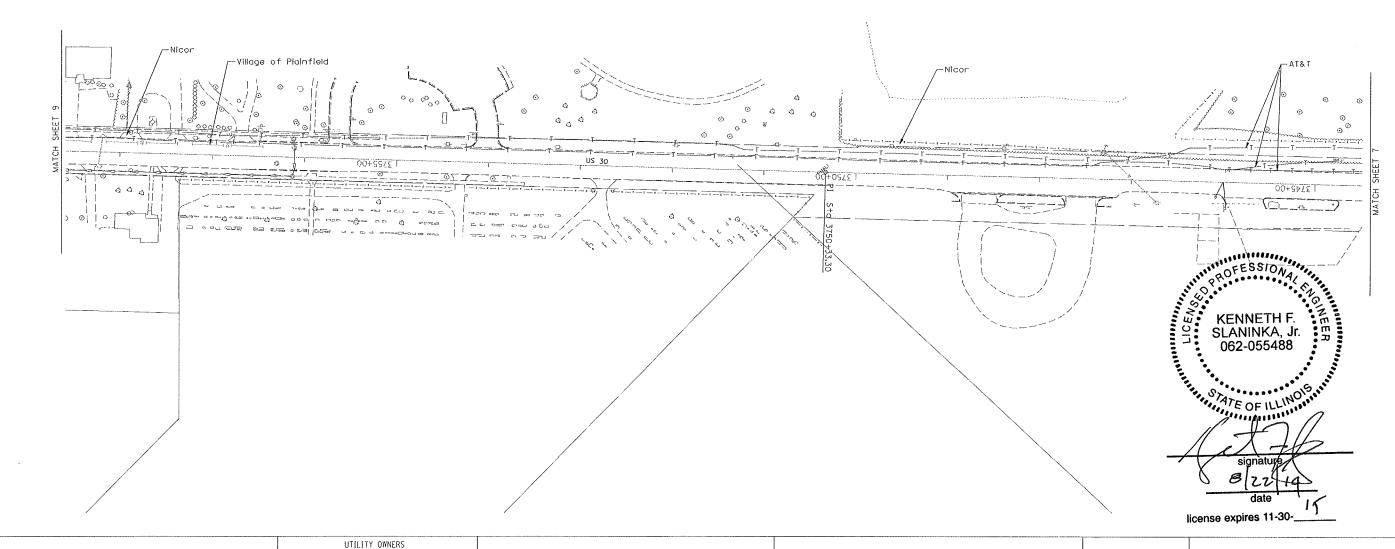
F.A. RTE. SECTION COUNTY TOTAL SHEETS NO.

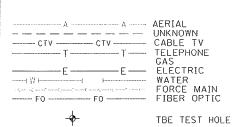
N/A WILL 681 247

Contract No. 60P95

FED. ROAD DIST. NO. \_ ILLINOIS 100T Project No.







AT&T = TELEPHONE

AT&T = FIBER OPTIC

COMCAST = CABLE TV

COM-ED = ELECTRIC

NICOR = CAS

VILLAGE OF PLAINFIELD = FORCE MAIN

VILLAGE OF PLAINFIELD = WATER

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Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510475, 476 SUE Plon Page: 8 of 9

Utility Quality Level "A" : Visually Verified Test Hole Utility Quality Level "B" : Designating/non Visually Verified Test Hole

Utility Quality Level "B" : Designating/non Visually Verified 1 Utility Quality Level "C" : Research with Survey Utility Quality Level "D" : Records Research 
 DESIGNED
 LP
 REVISED

 DRAWN
 SRC
 REVISED

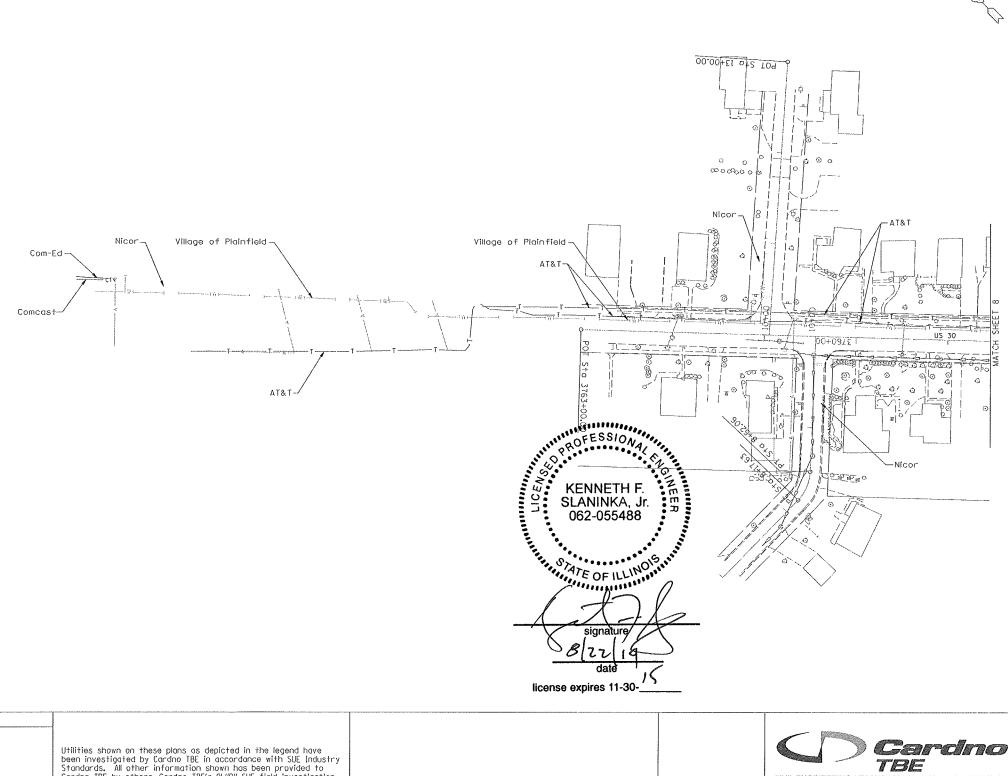
 CHECKED
 KFS
 REVISED

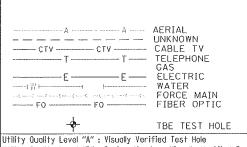
 DATE
 4/09/12
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RT. 30 from IL RT. 59 to Renwick Road & to 1–55 Plainfield, Illinois

F.A RTĖ.		SEC.	TION		COUNTY	TOTAL SHEETS	SHEE NO.
		N/A			Will	681	248
					Contract No	60P95	)
FED. RO	DAD DIST.	NO	ILL INOIS	IDOT	Project No.		





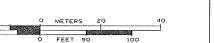
UTILITY OWNERS AT&T = TELEPHONE AT&T = FIBER OPTIC COMCAST = CABLE TV COM-ED = ELECTRIC NICOR = GAS VILLAGE OF PLAINFIELD = FORCE MAIN VILLAGE OF PLAINFIELD = WATER

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



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





**Dynasty Group** 

TBE Job No. IL09510475, 476 SUE Plan Page: 9 of 9

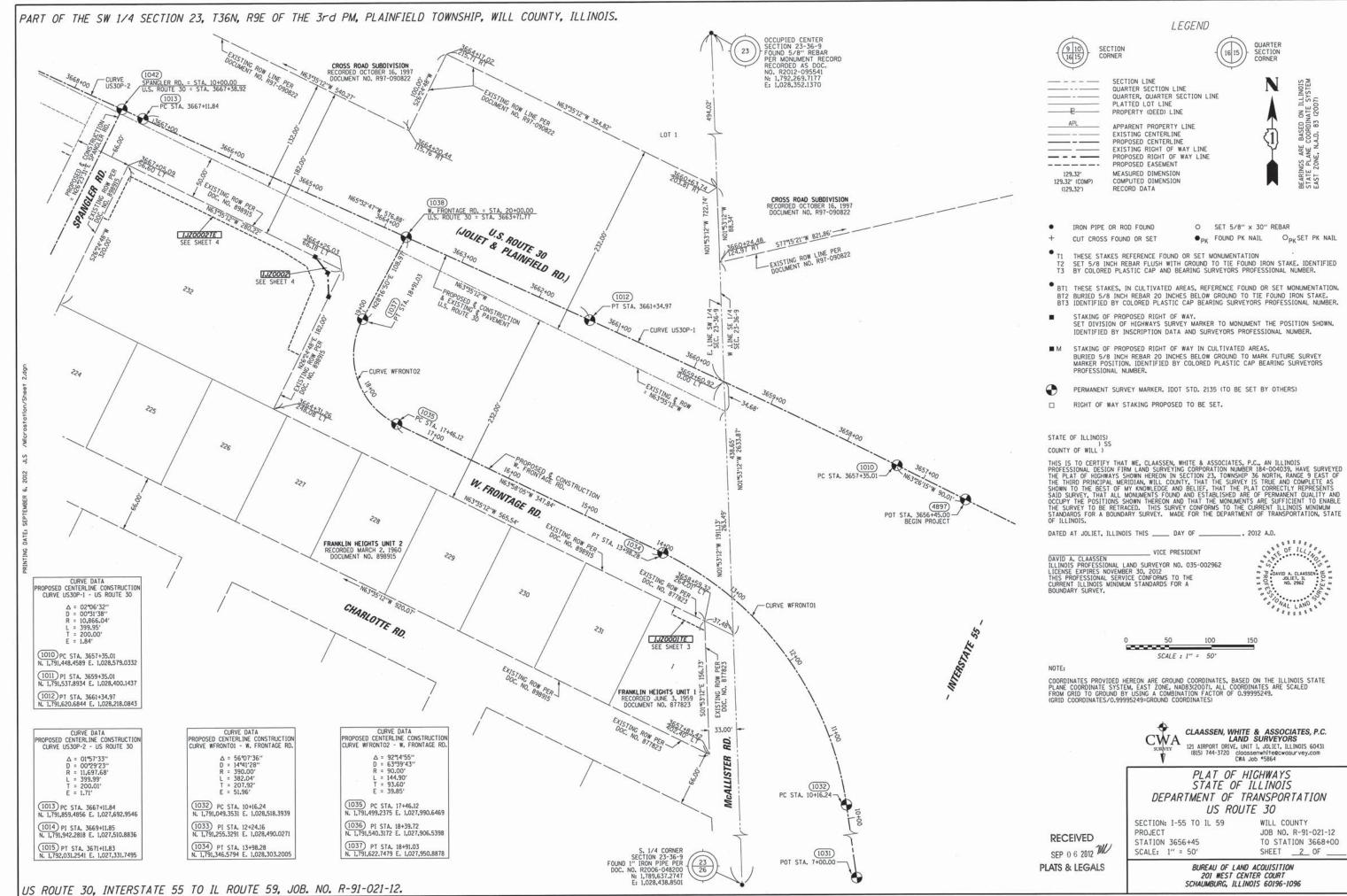
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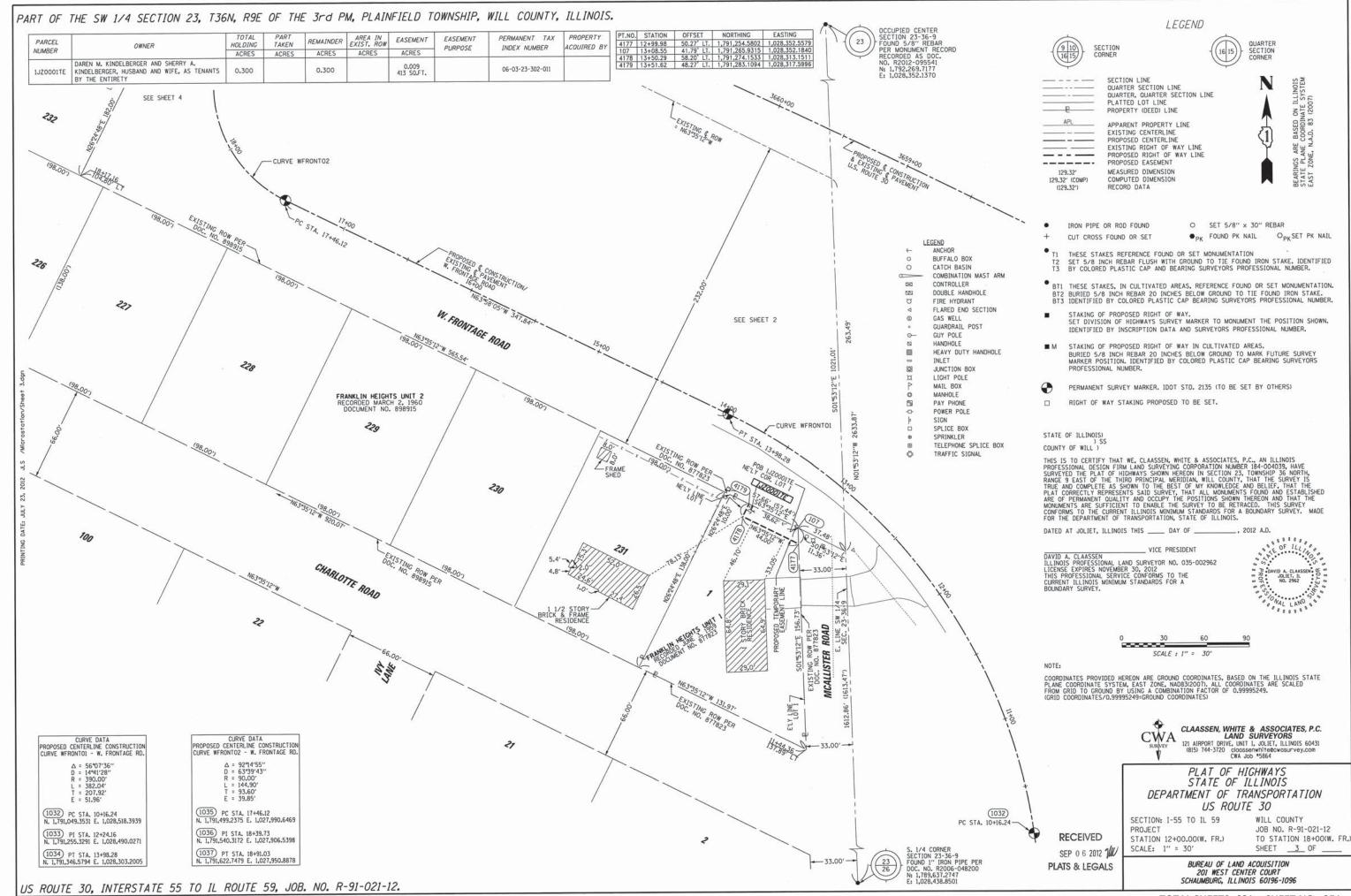
Utility Quality Level "C": Research with Survey Utility Quality Level "D" : Records Research

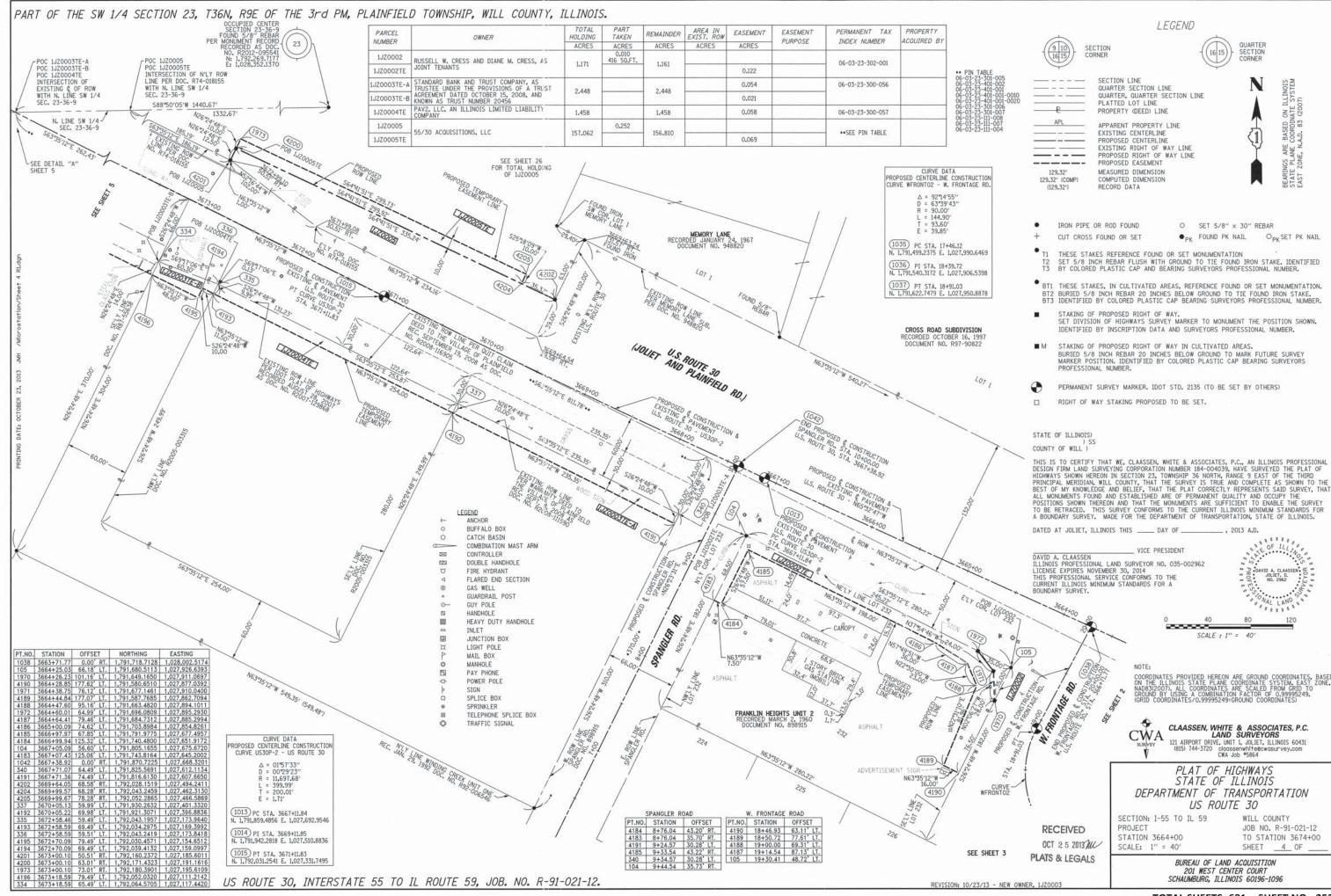
DESIGNED LP REVISED DRAWN SRC REVISED CHECKED KFS REVISED DATE 4/09/12 REVISED

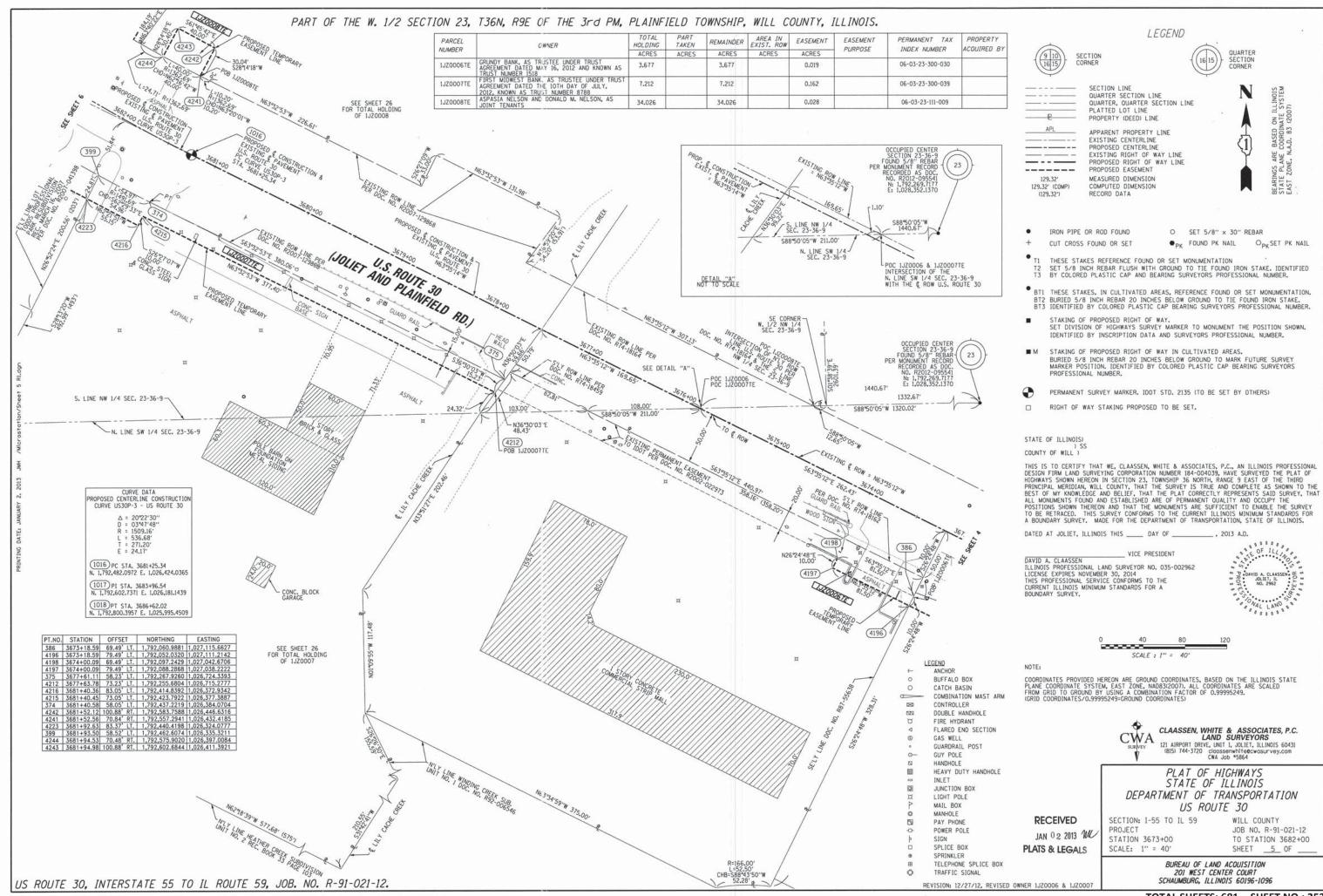
STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  US RT. 30 from IL RT. 59 to Renwick Road & to 1–55 Plainfield, Illinois

Will 681 249 Contract No. 60P95 FED. ROAD DIST. NO. \_ ILLINOIS IDOT Project No.

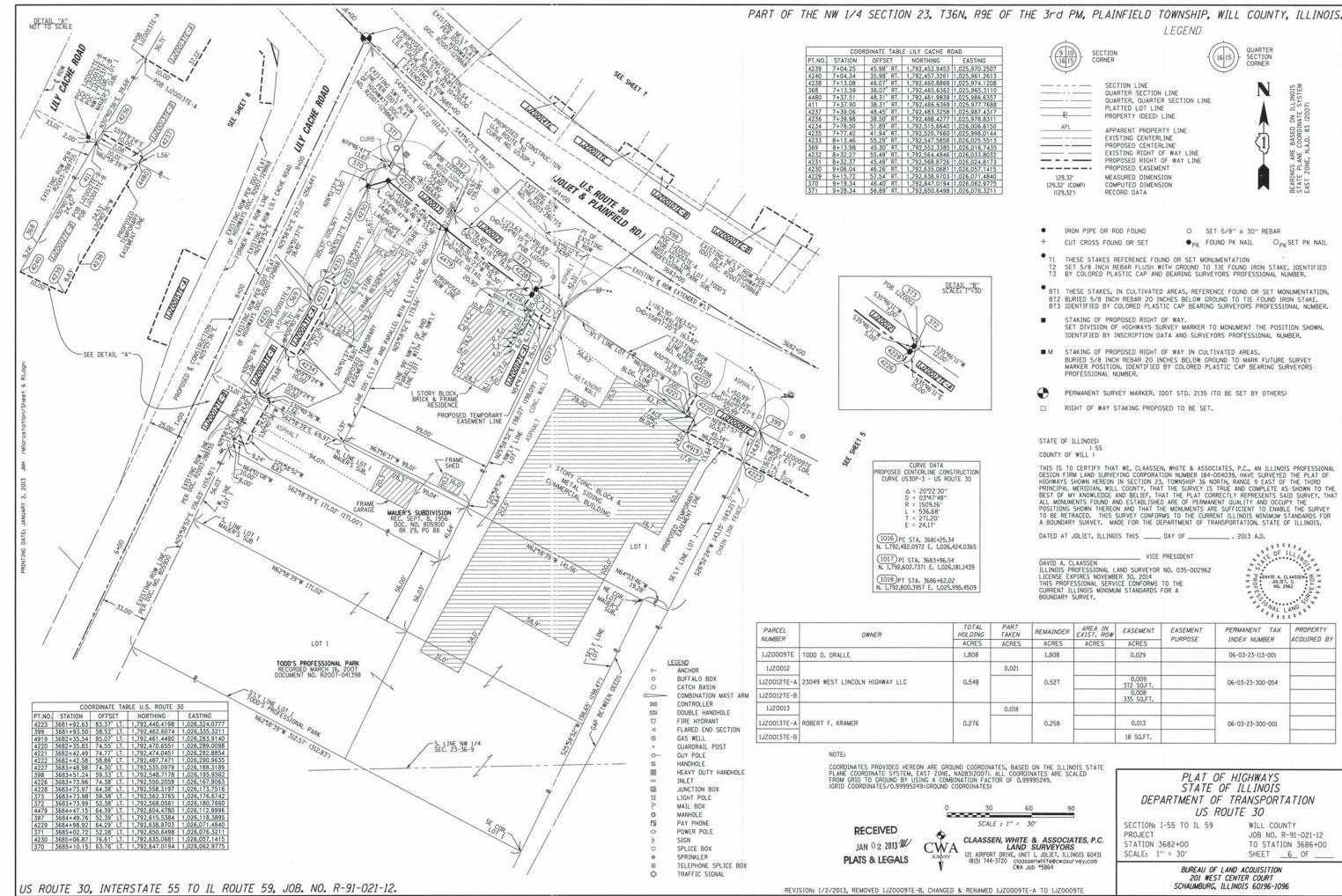


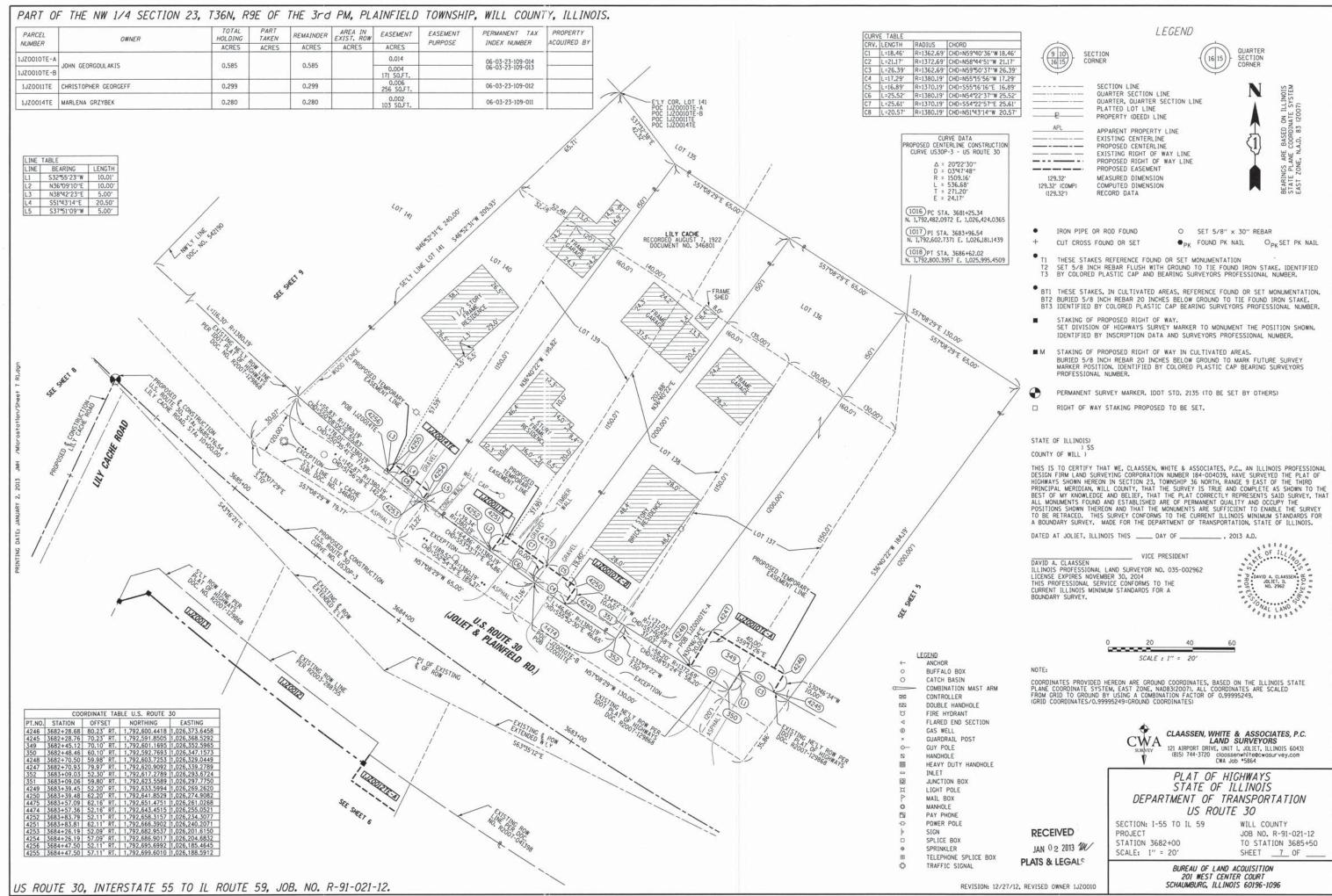


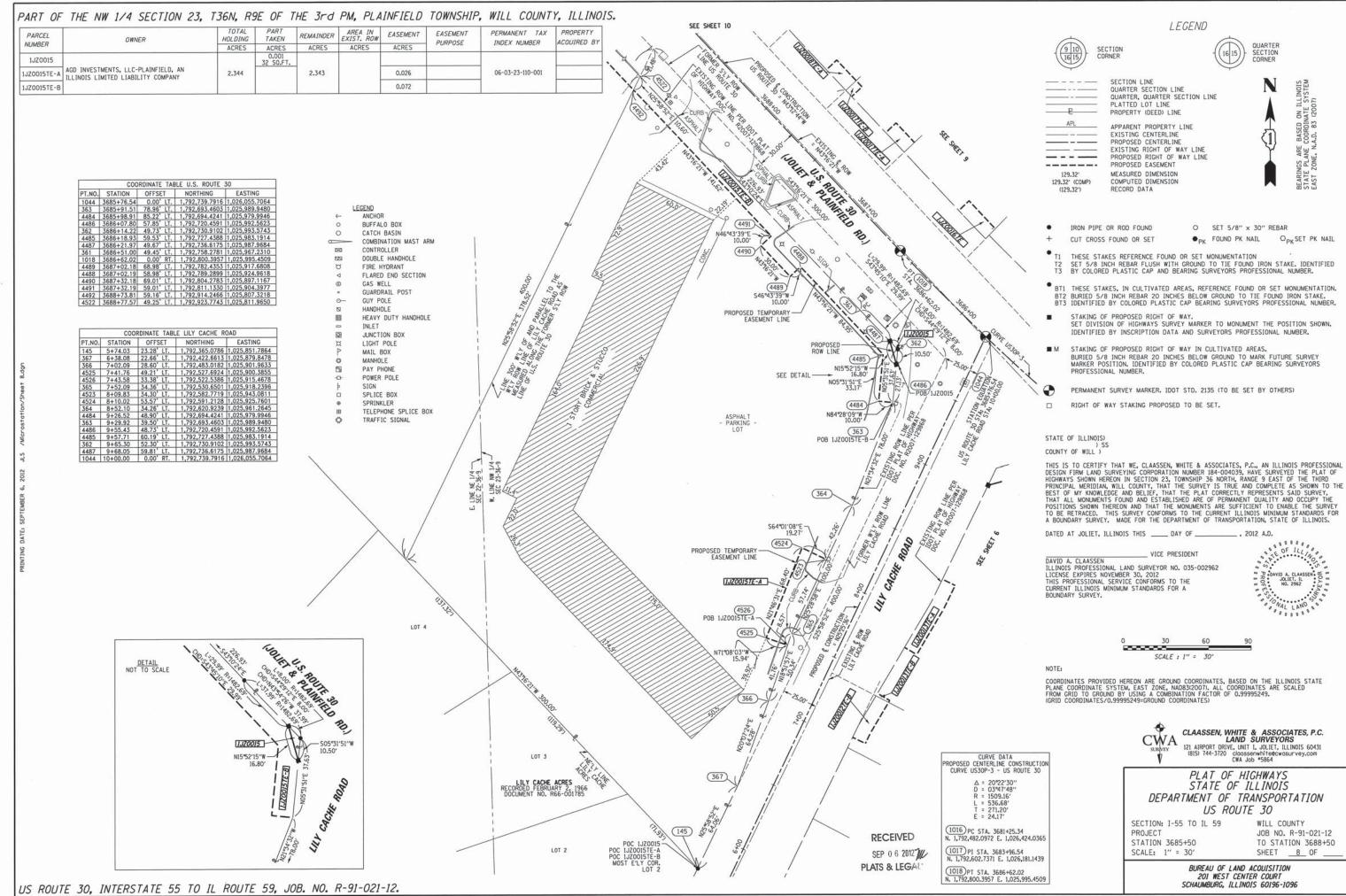


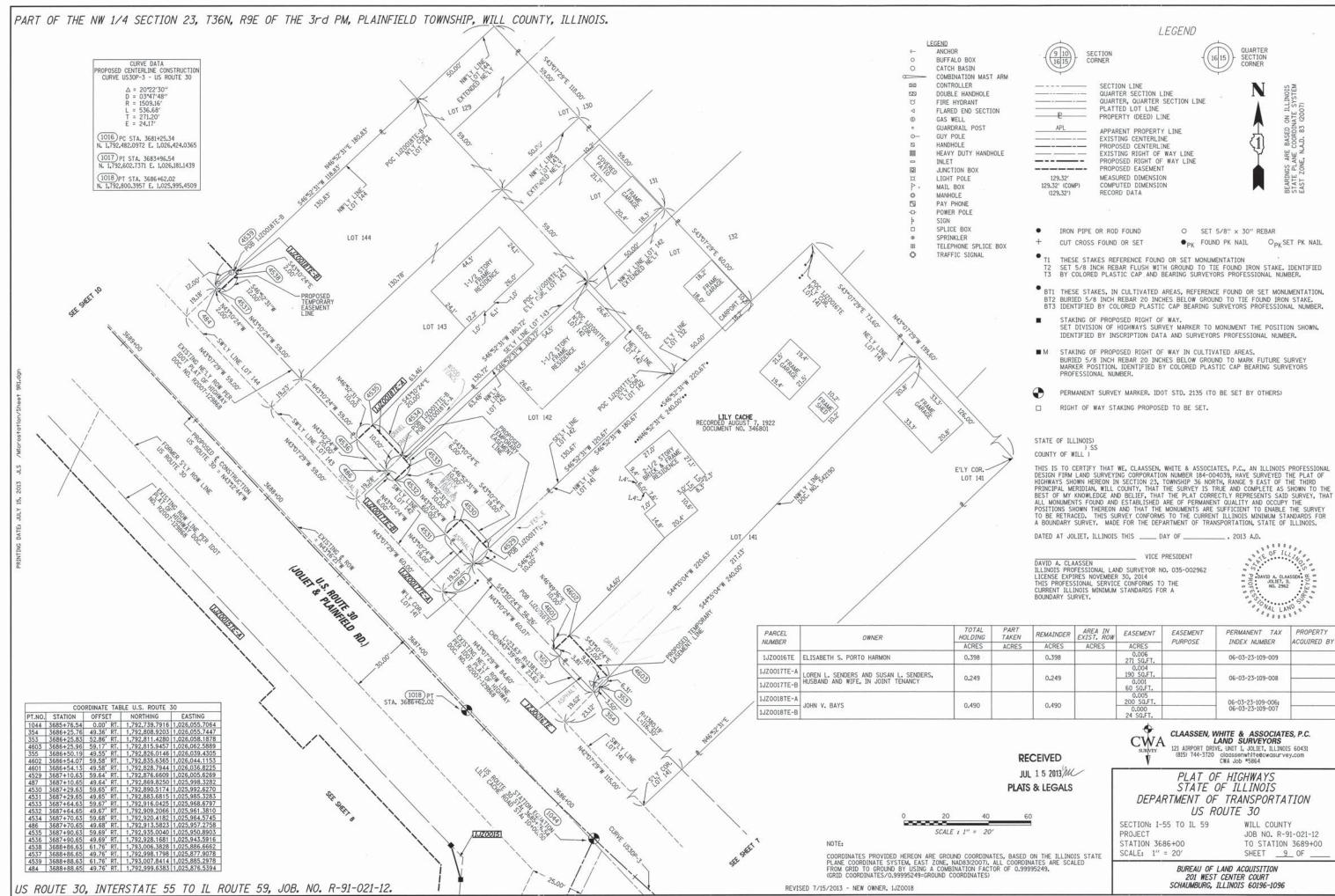


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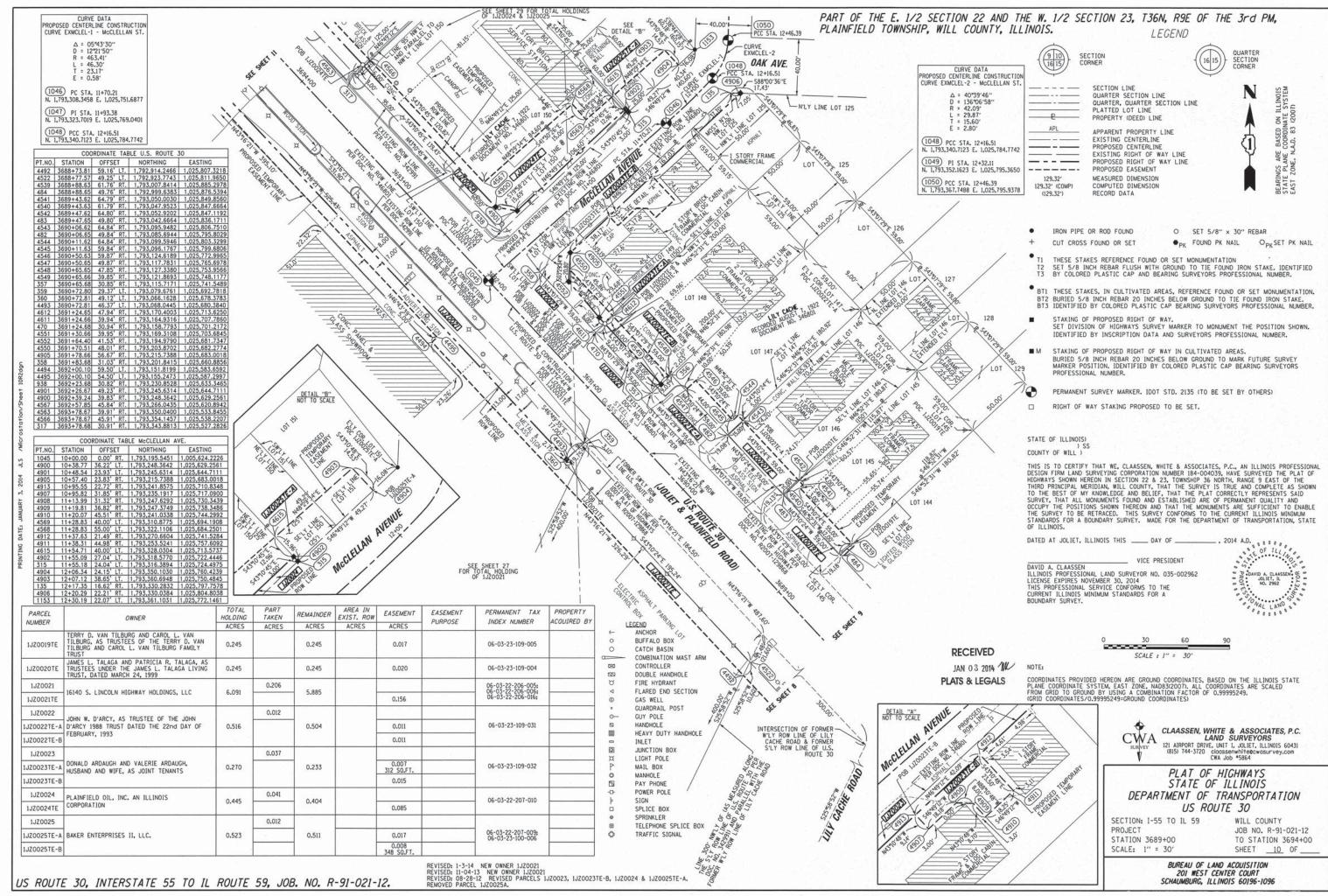


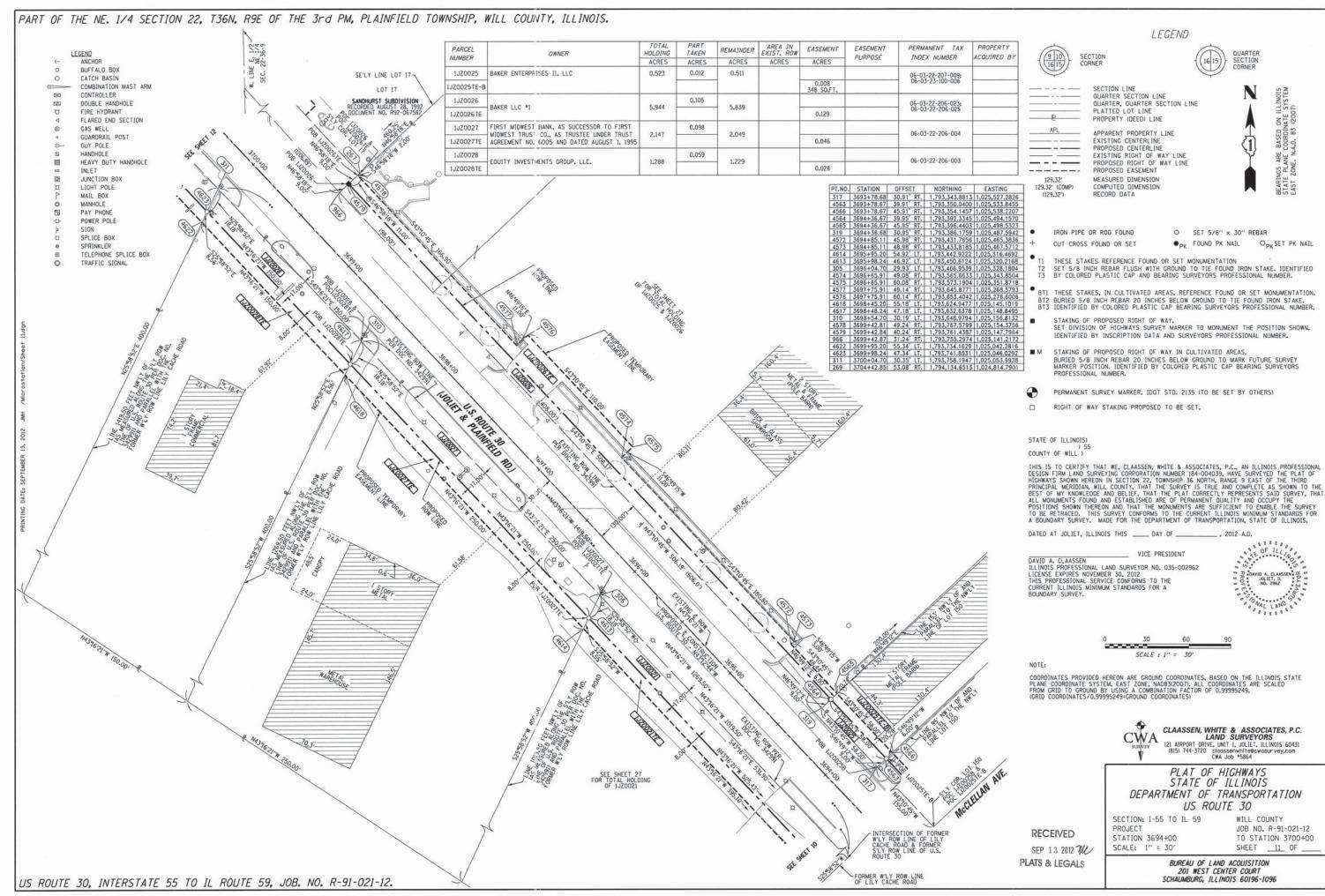


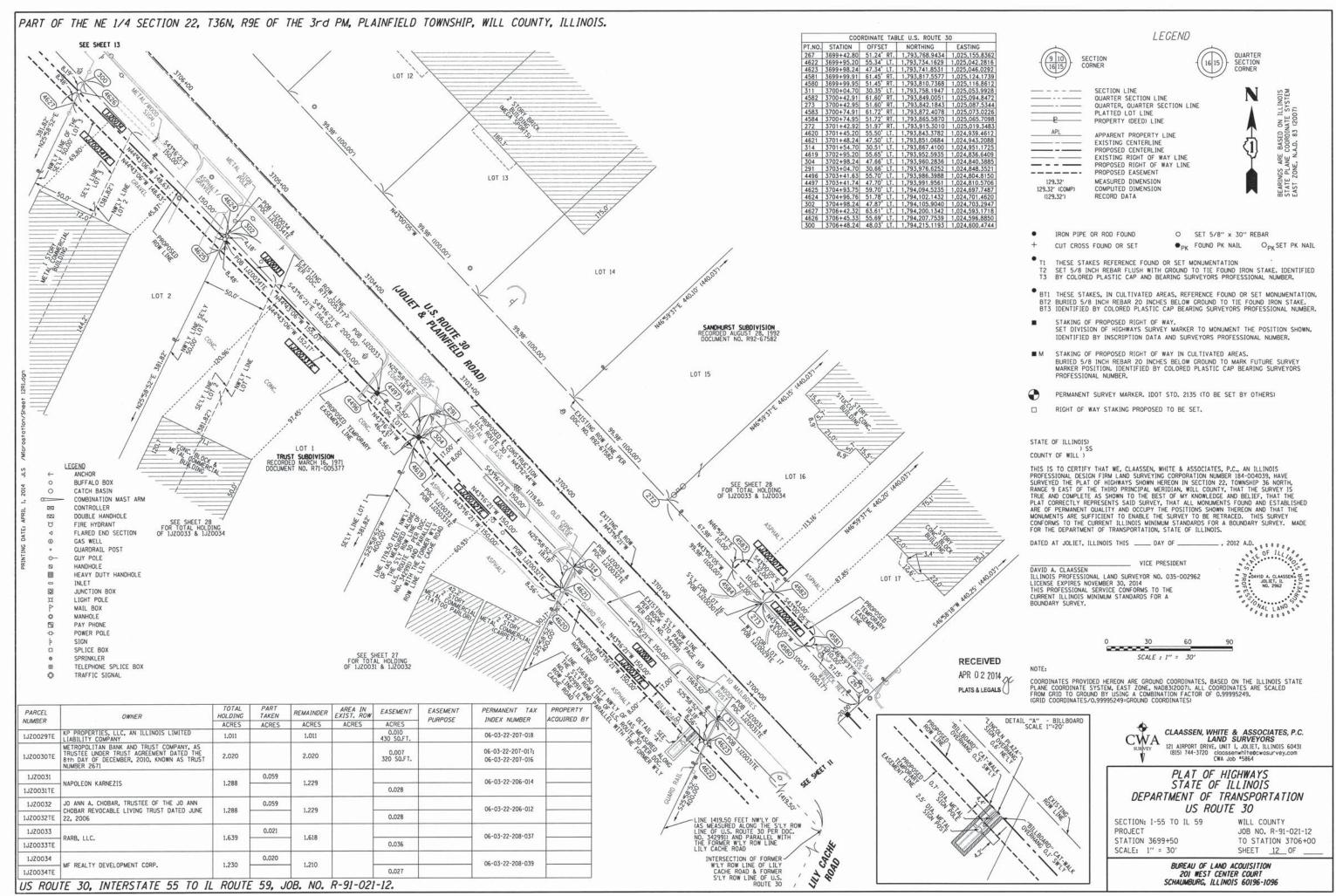


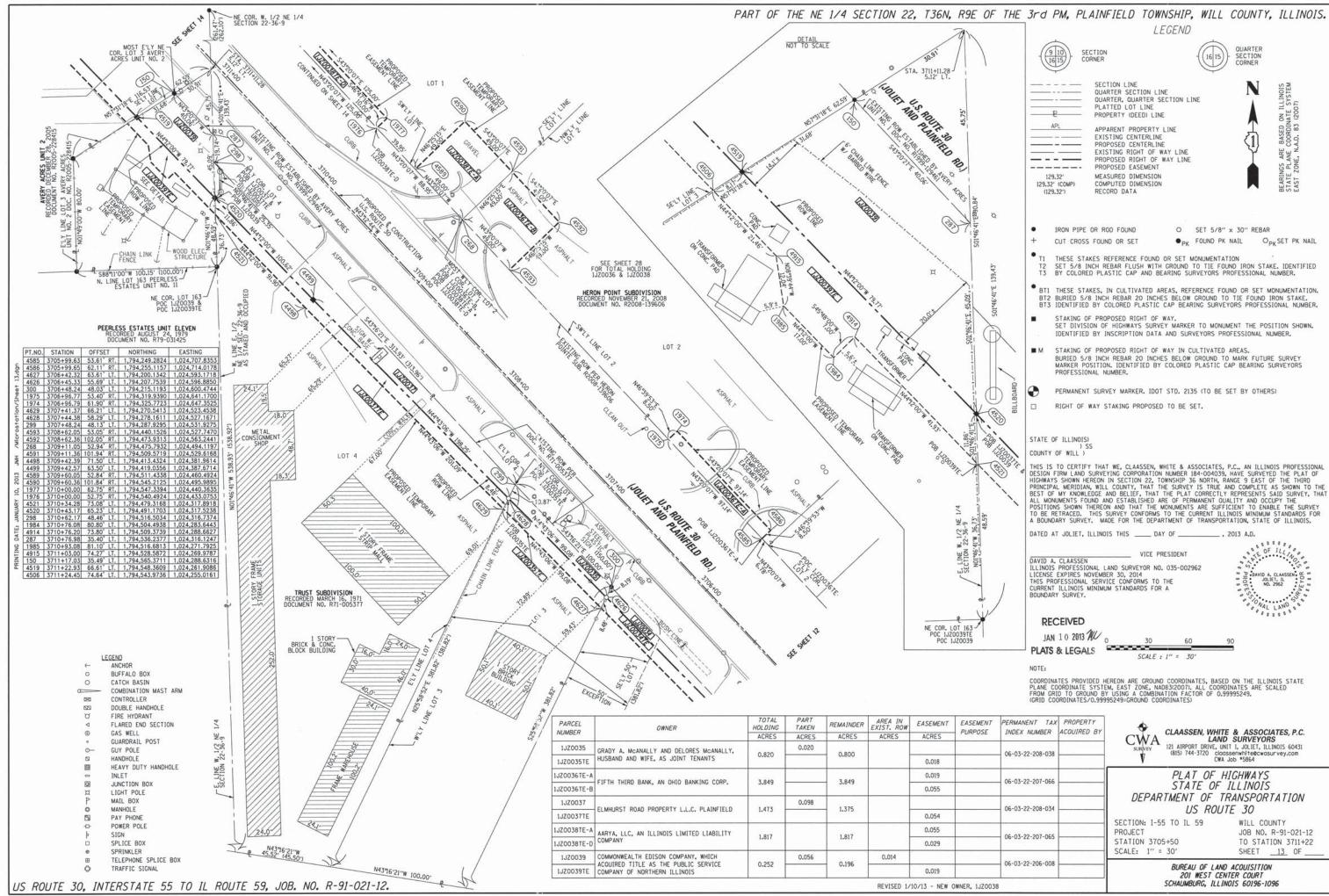


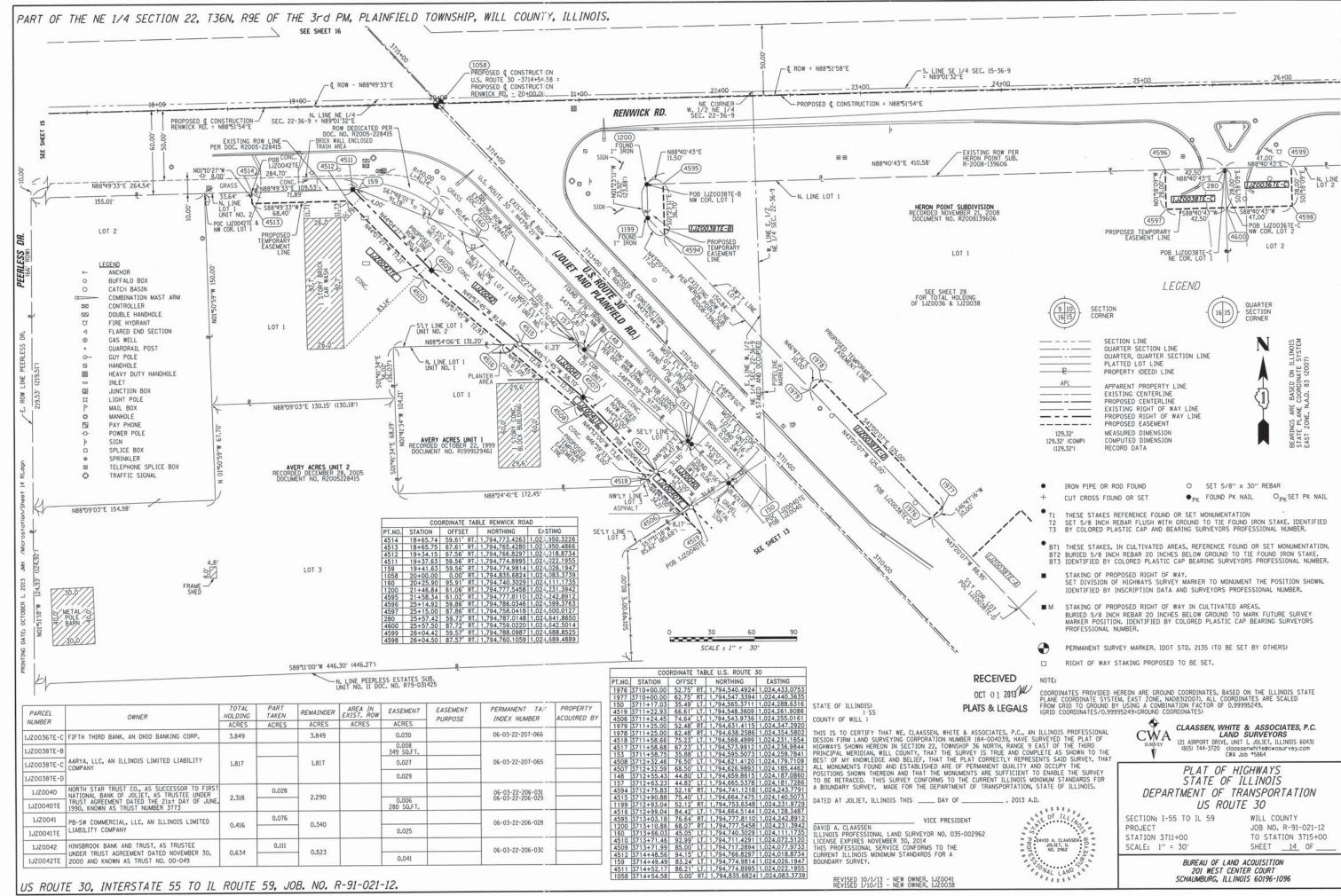
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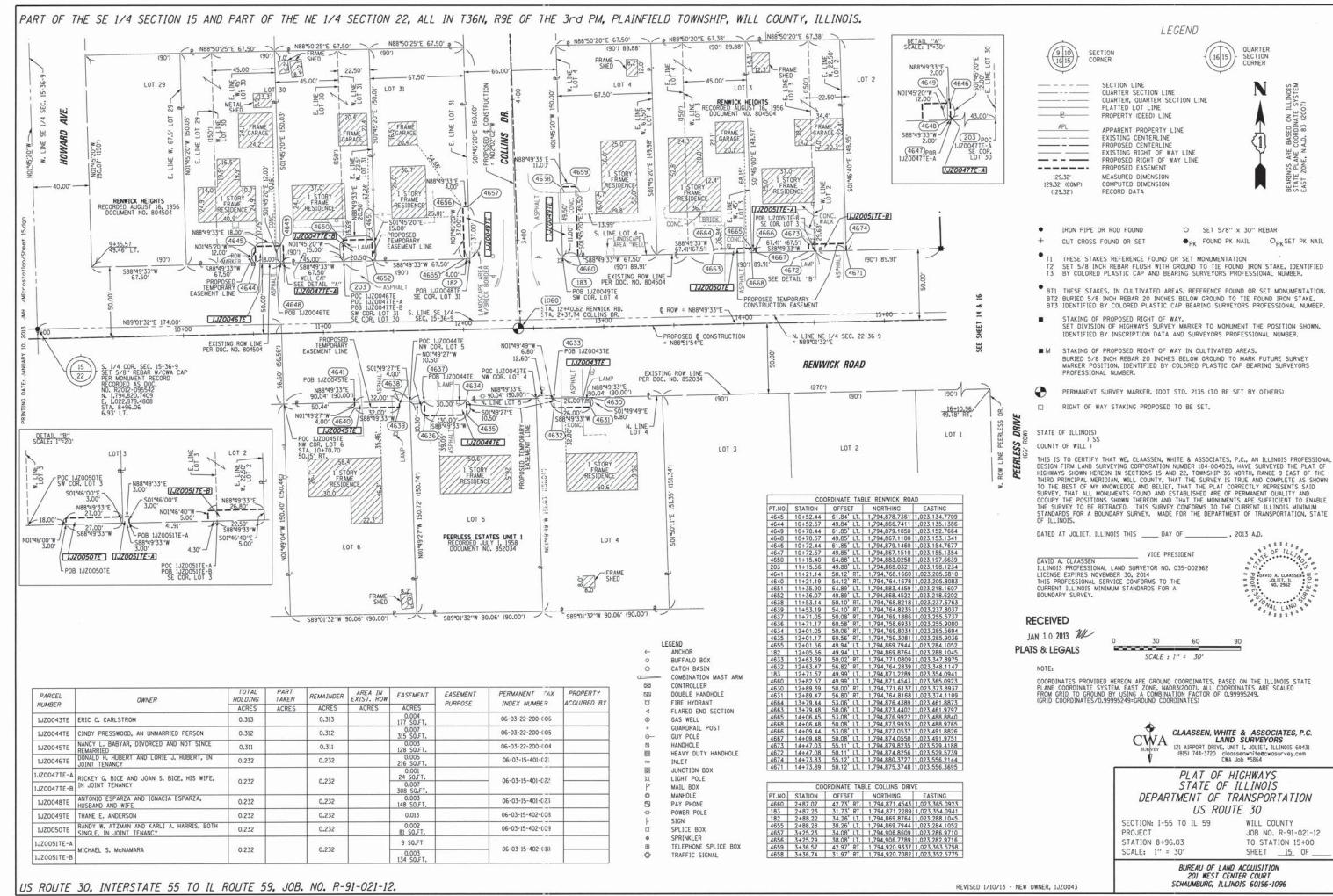


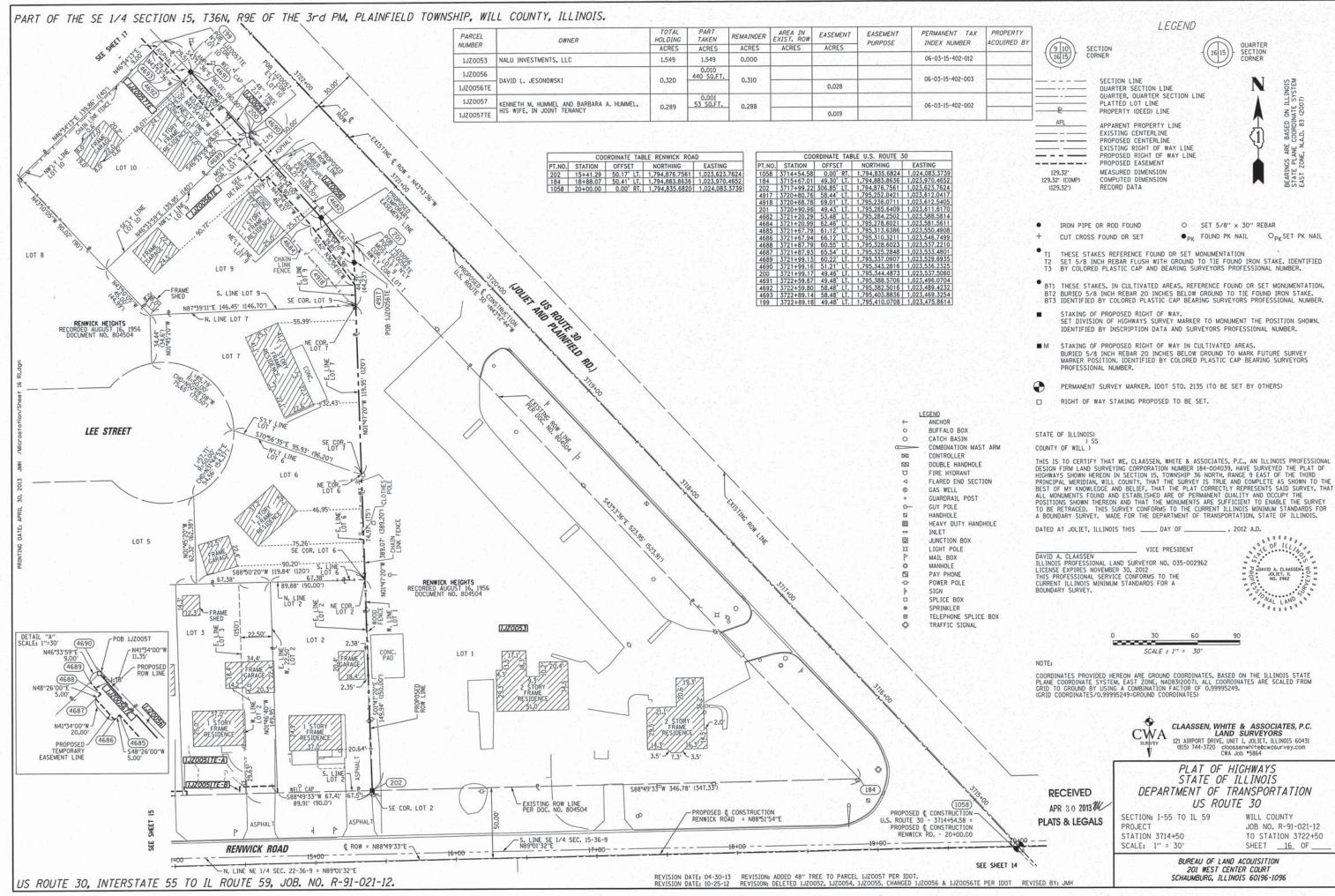


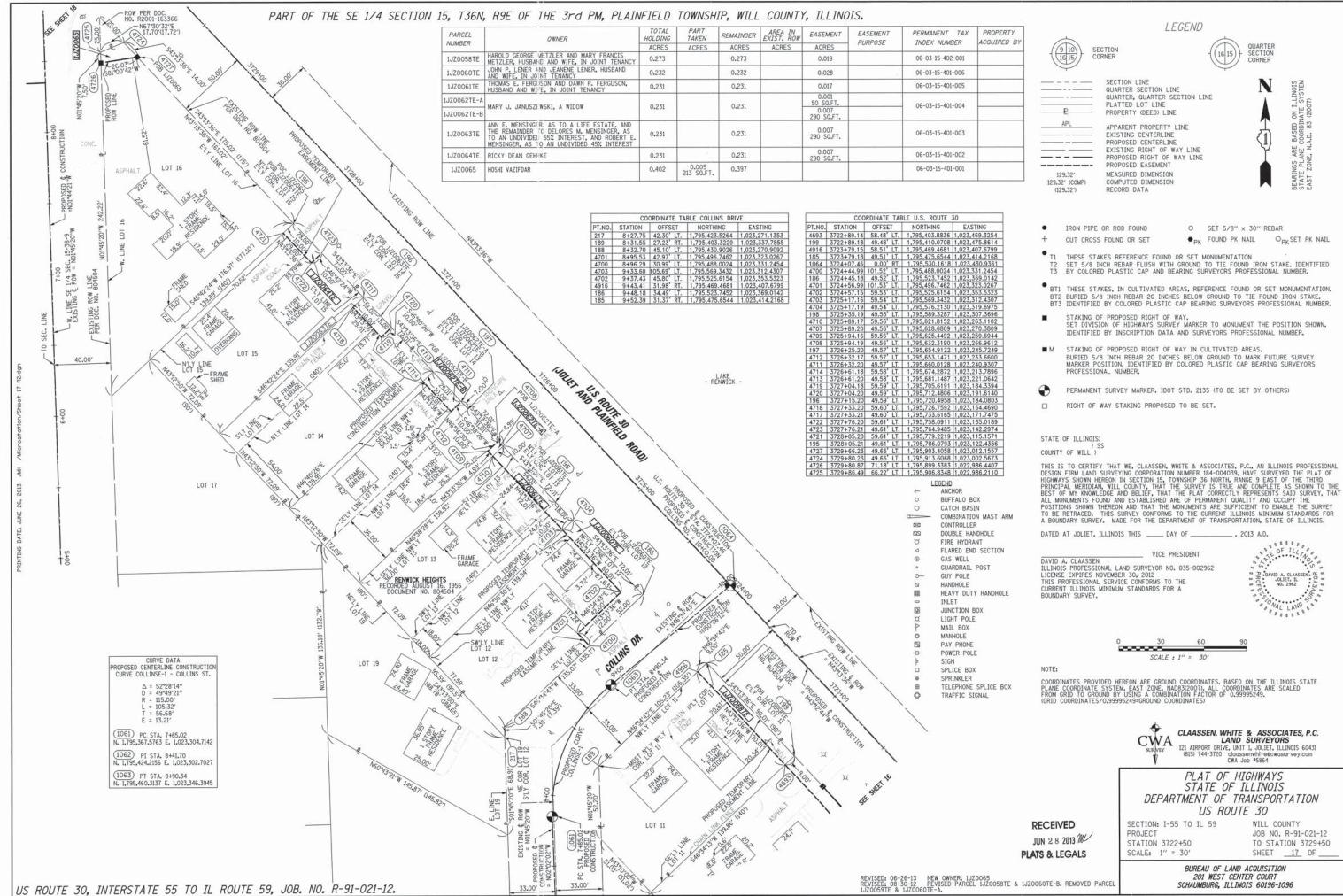


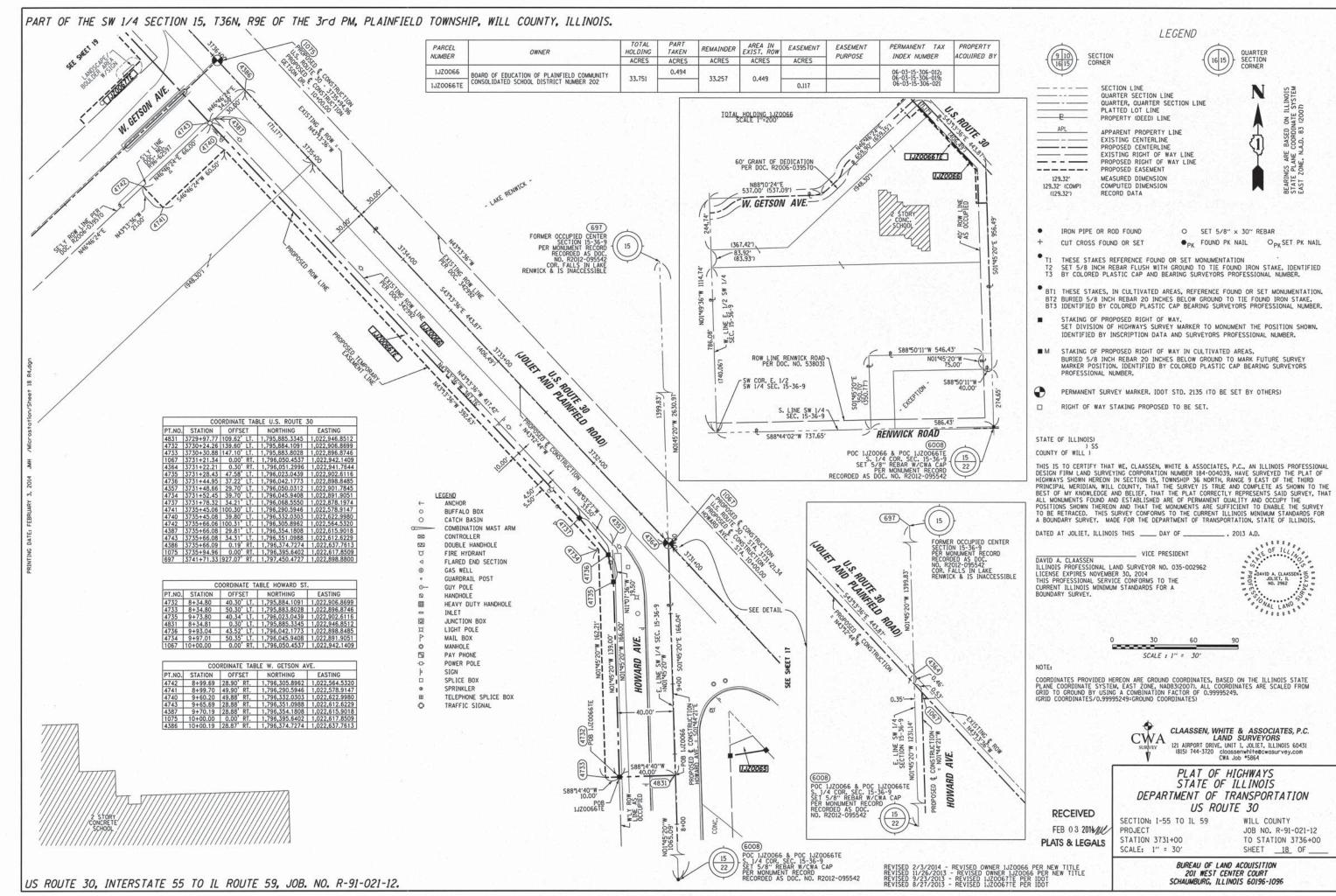


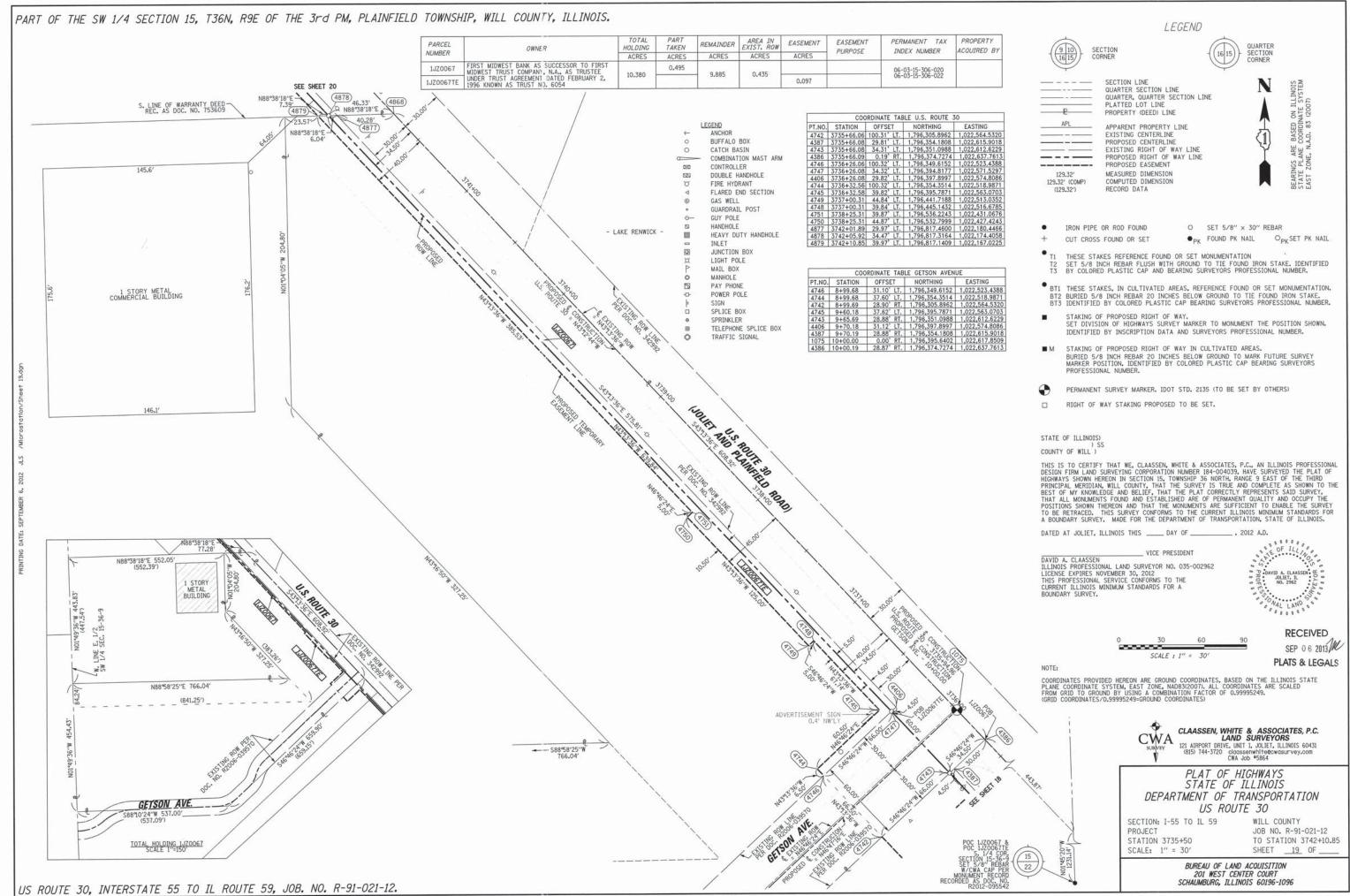


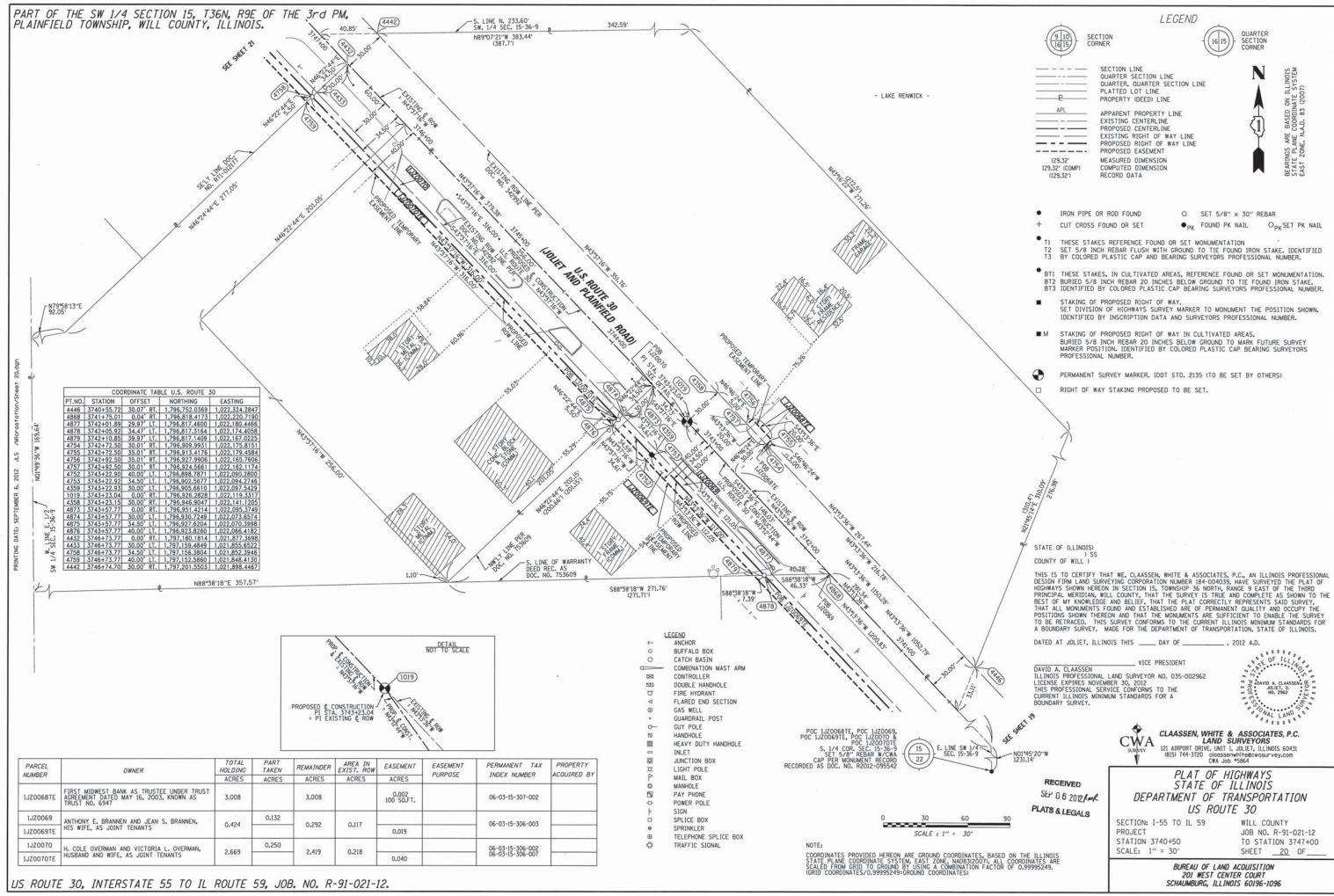


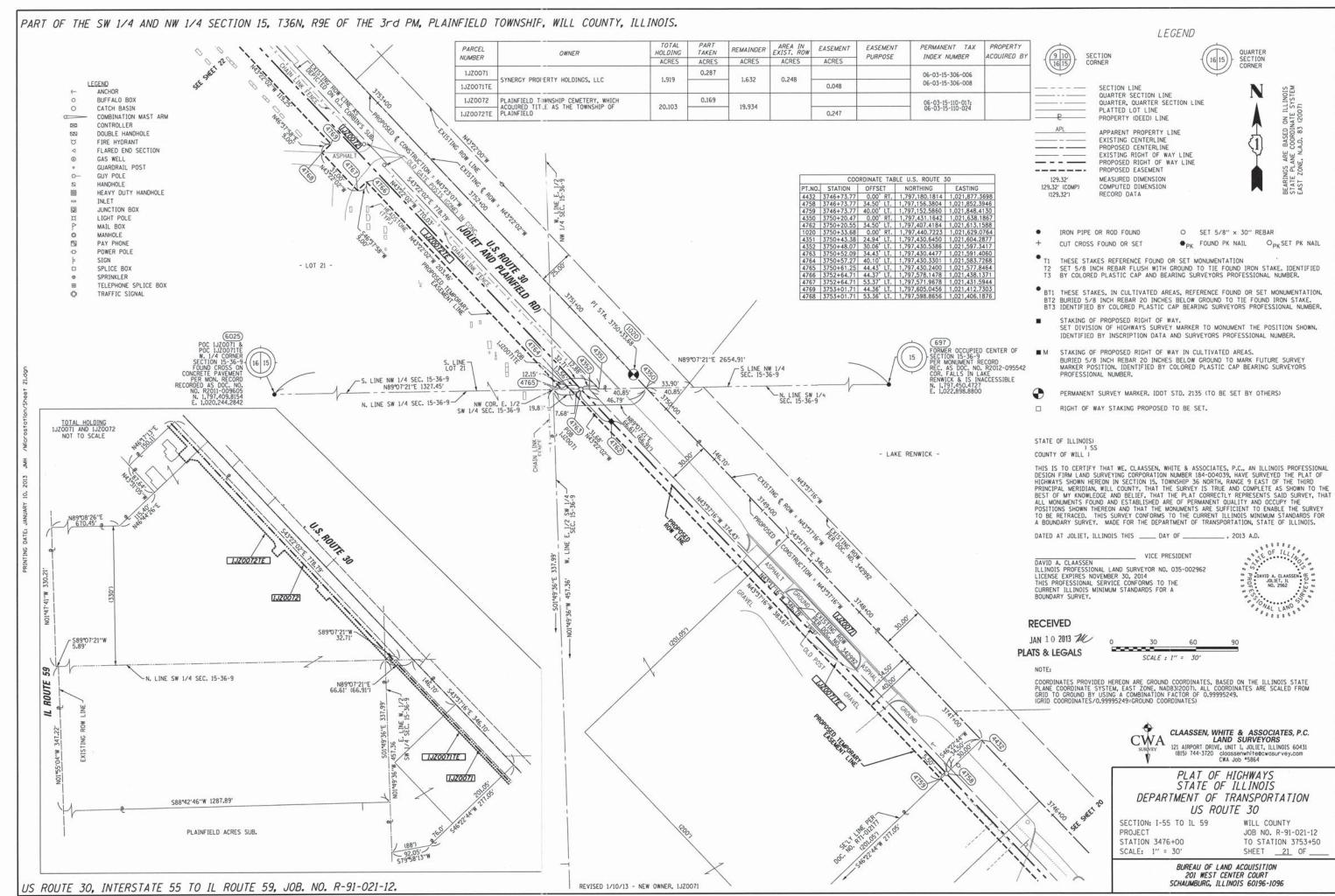


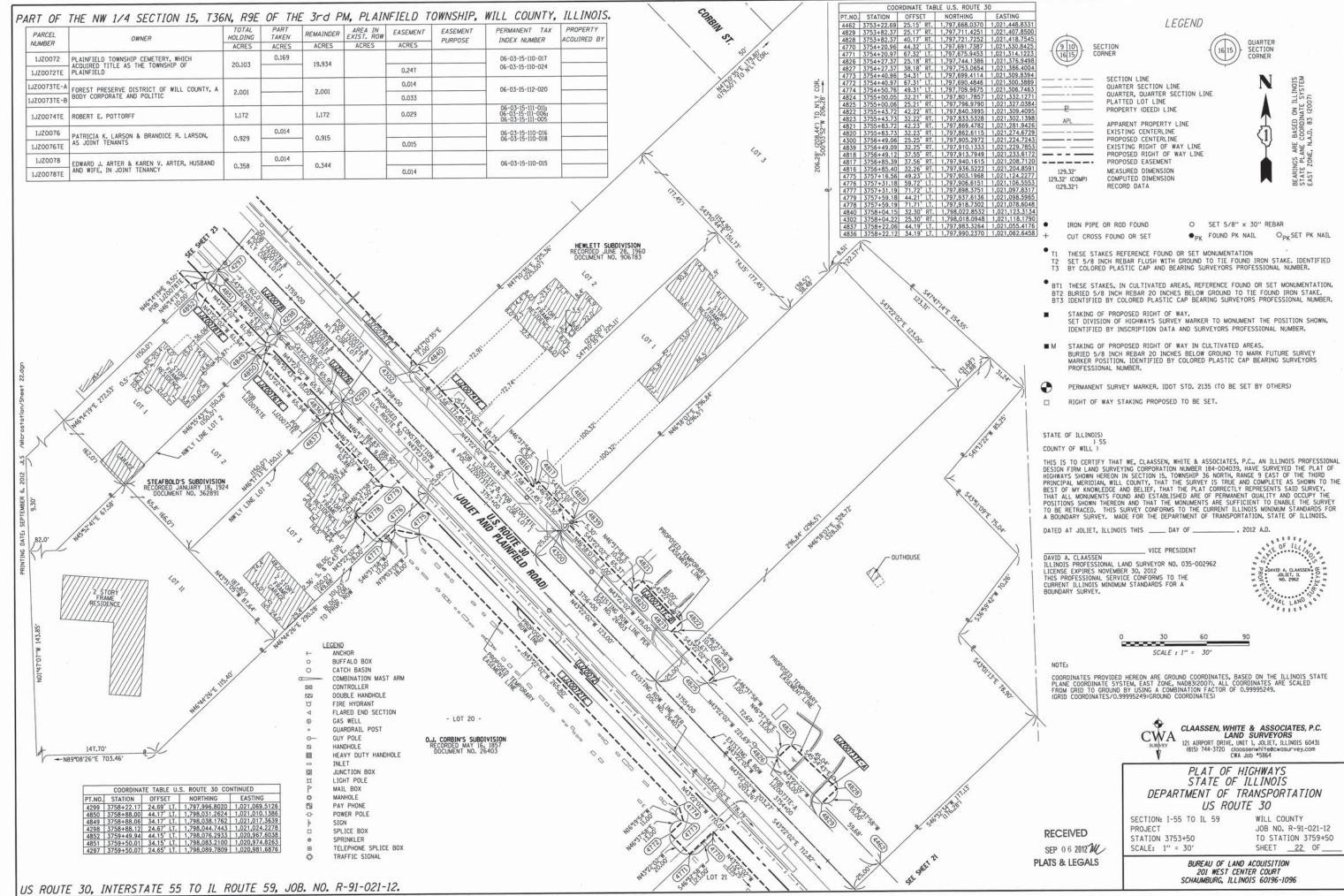


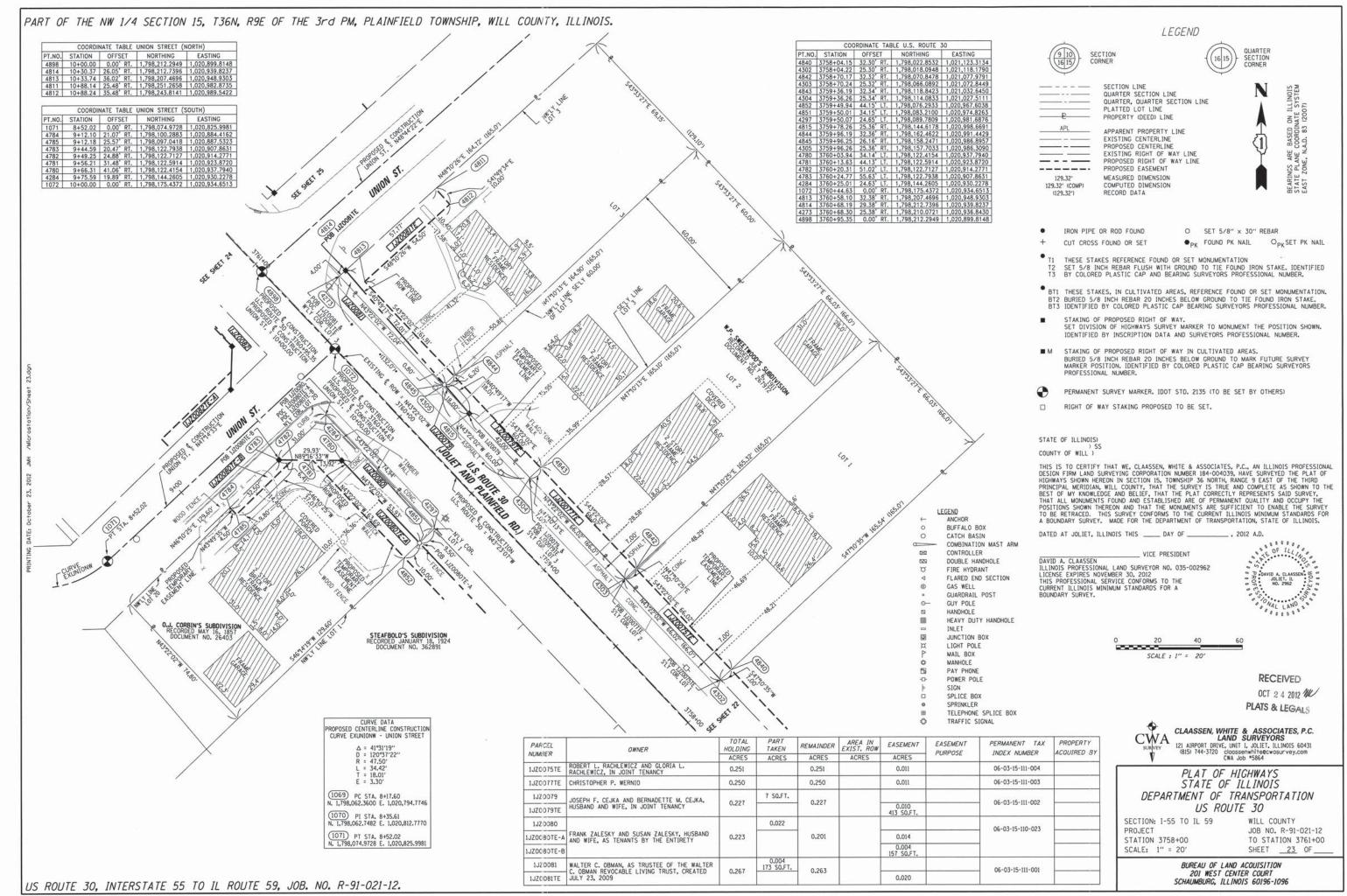


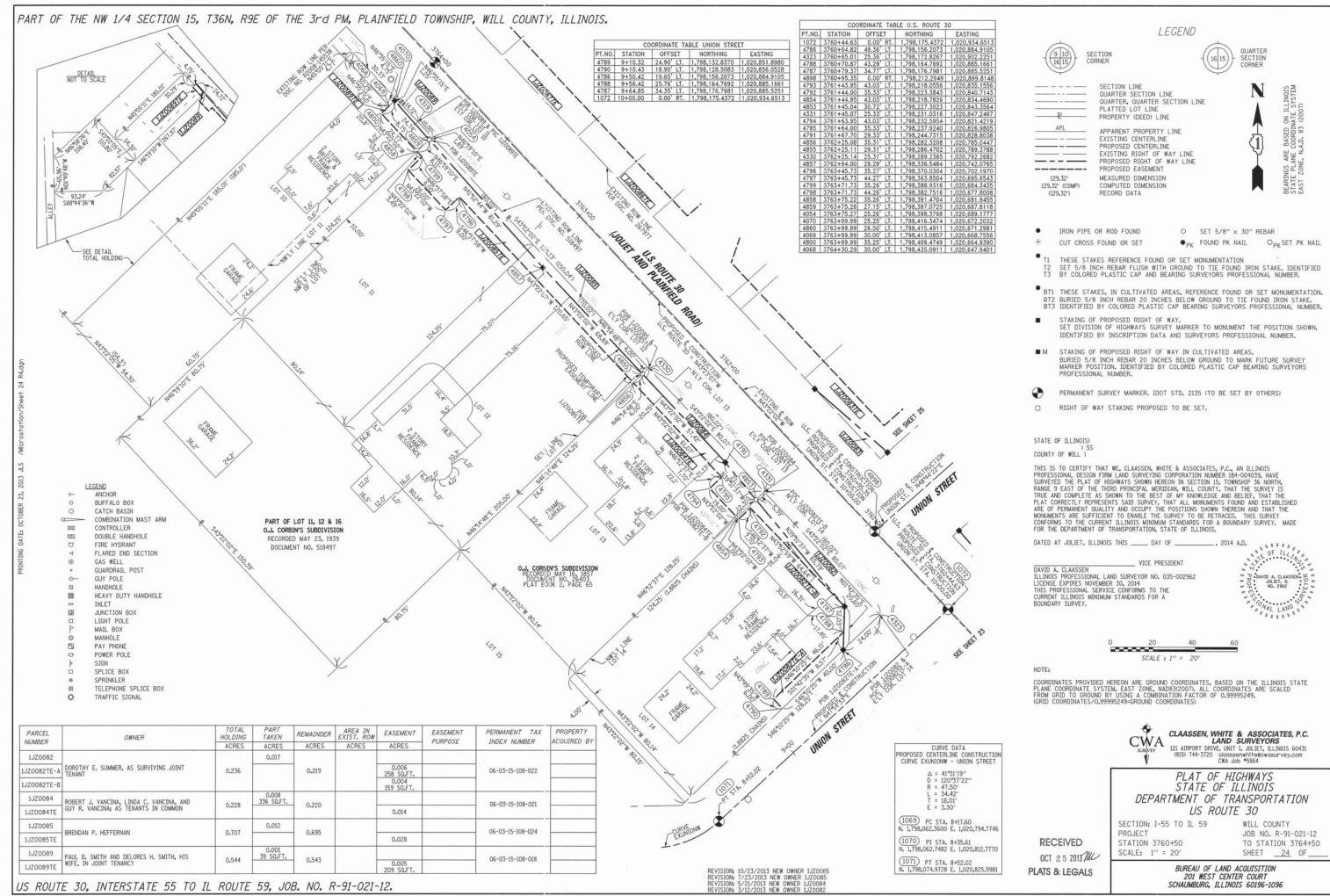


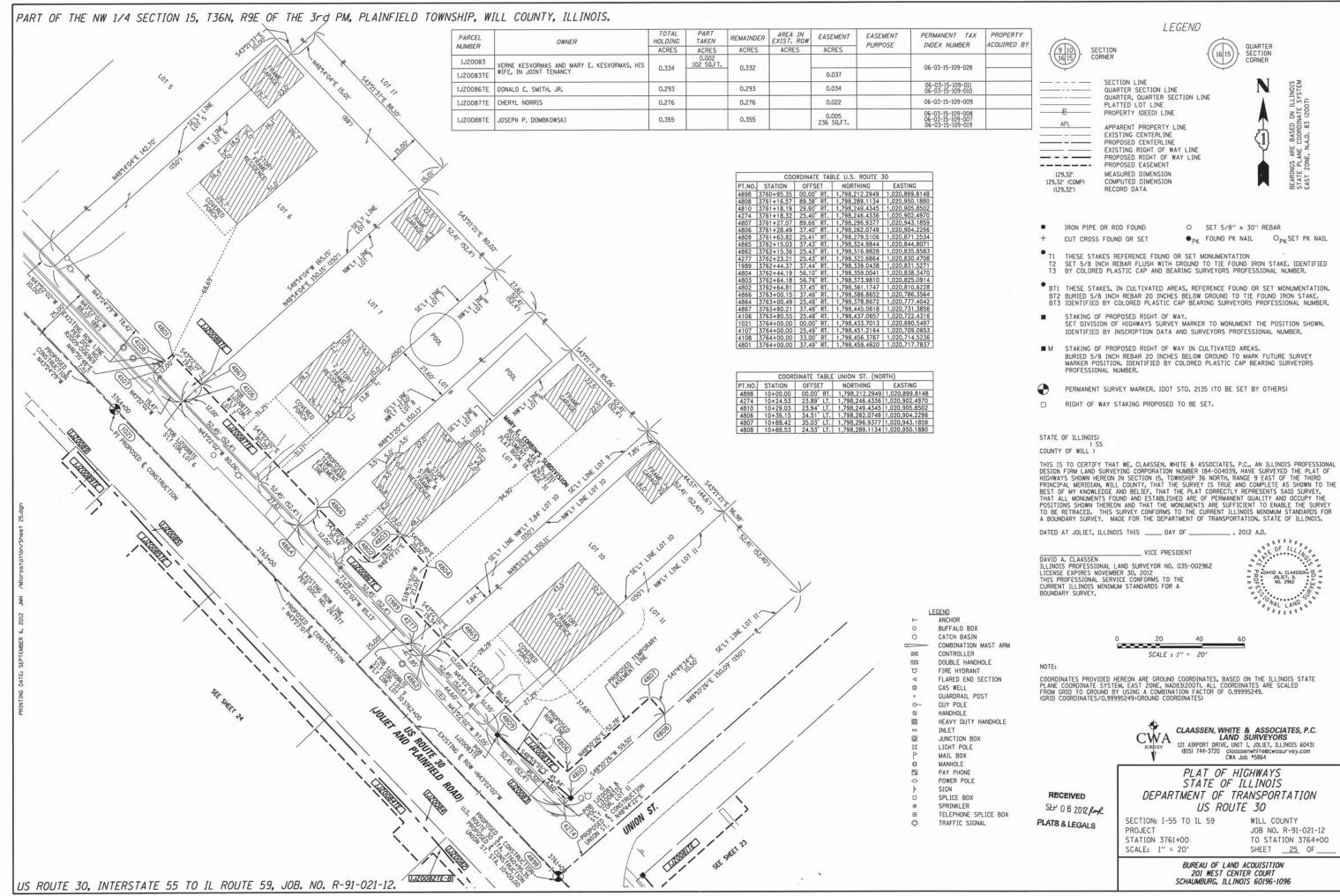


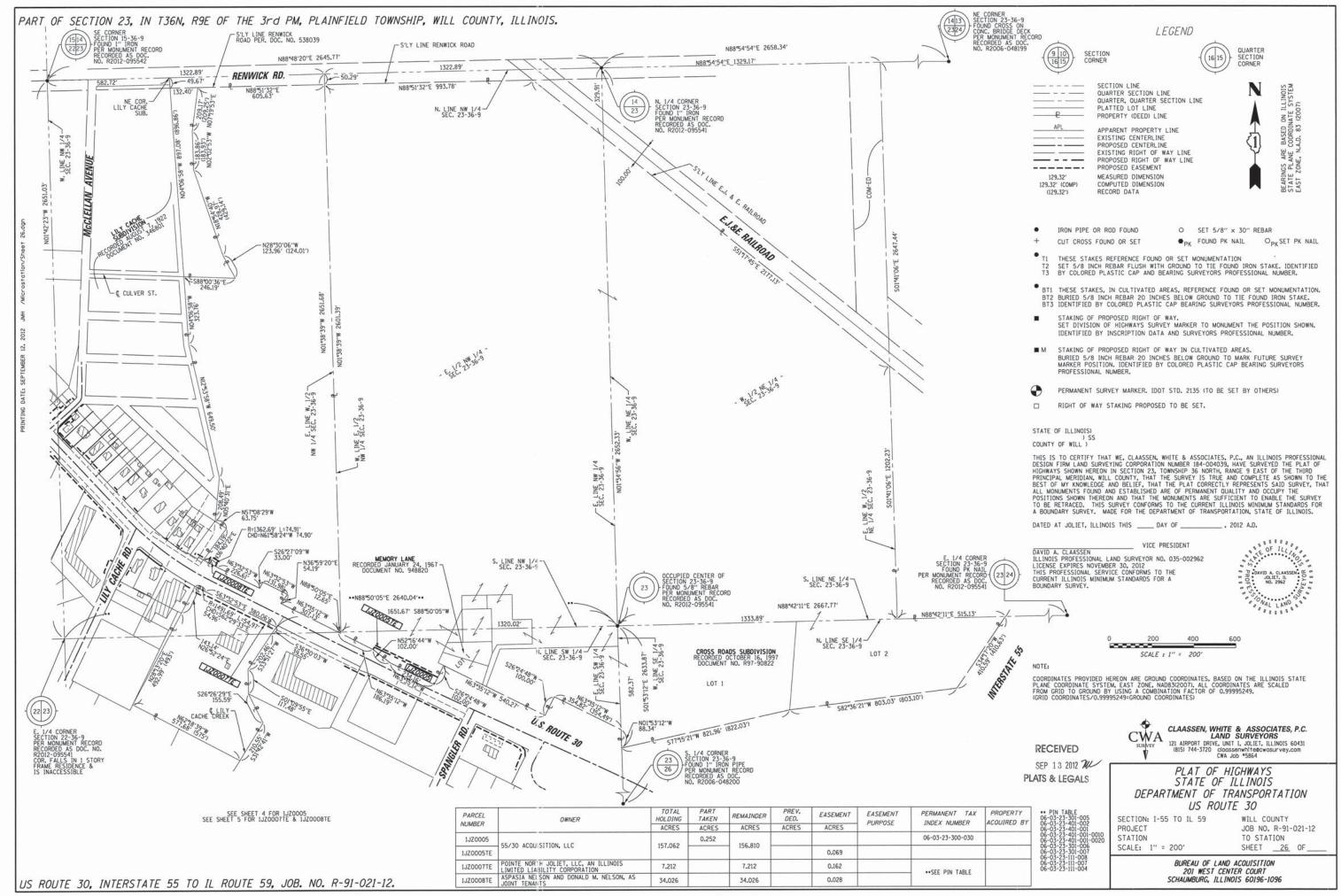


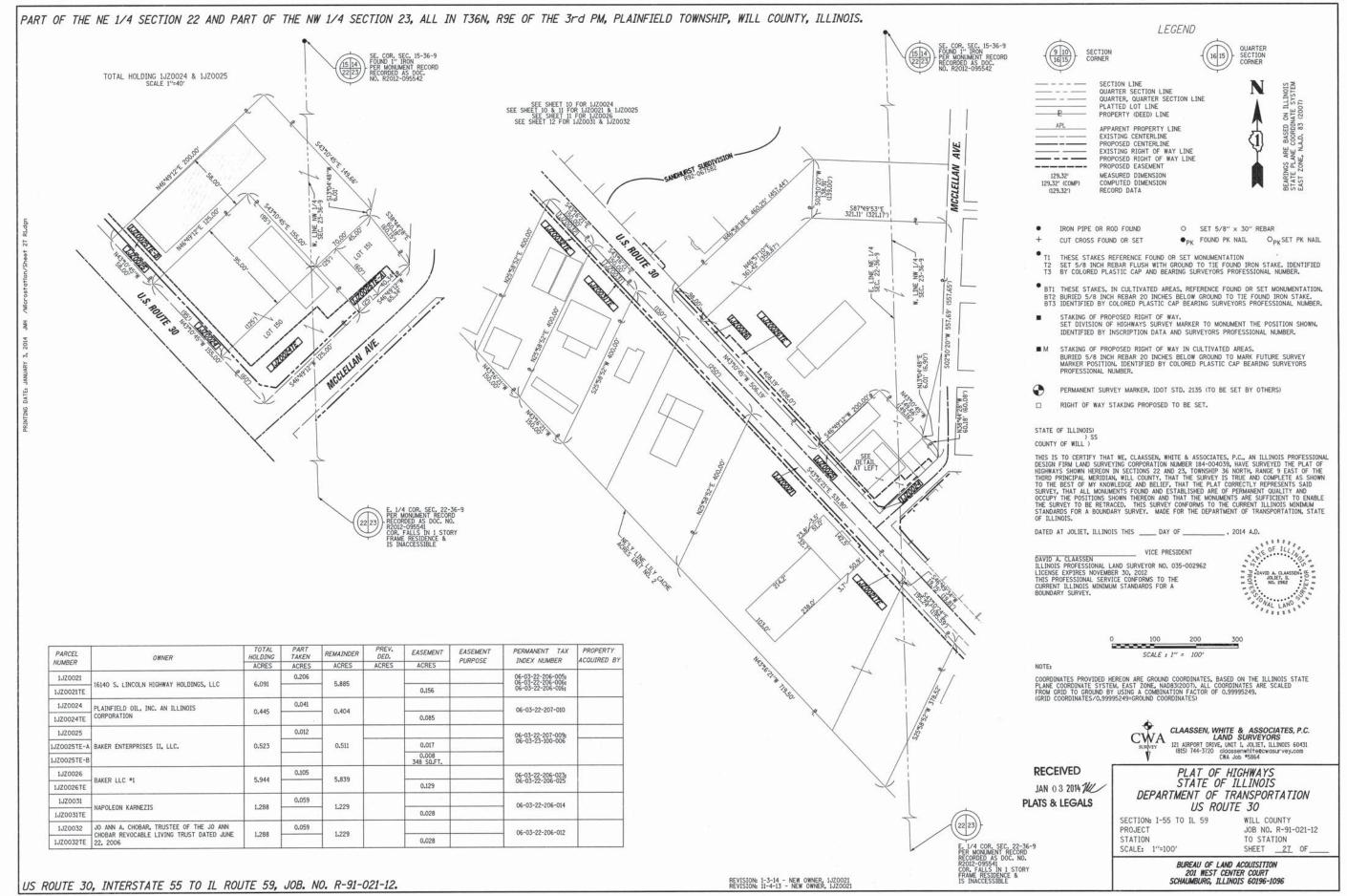


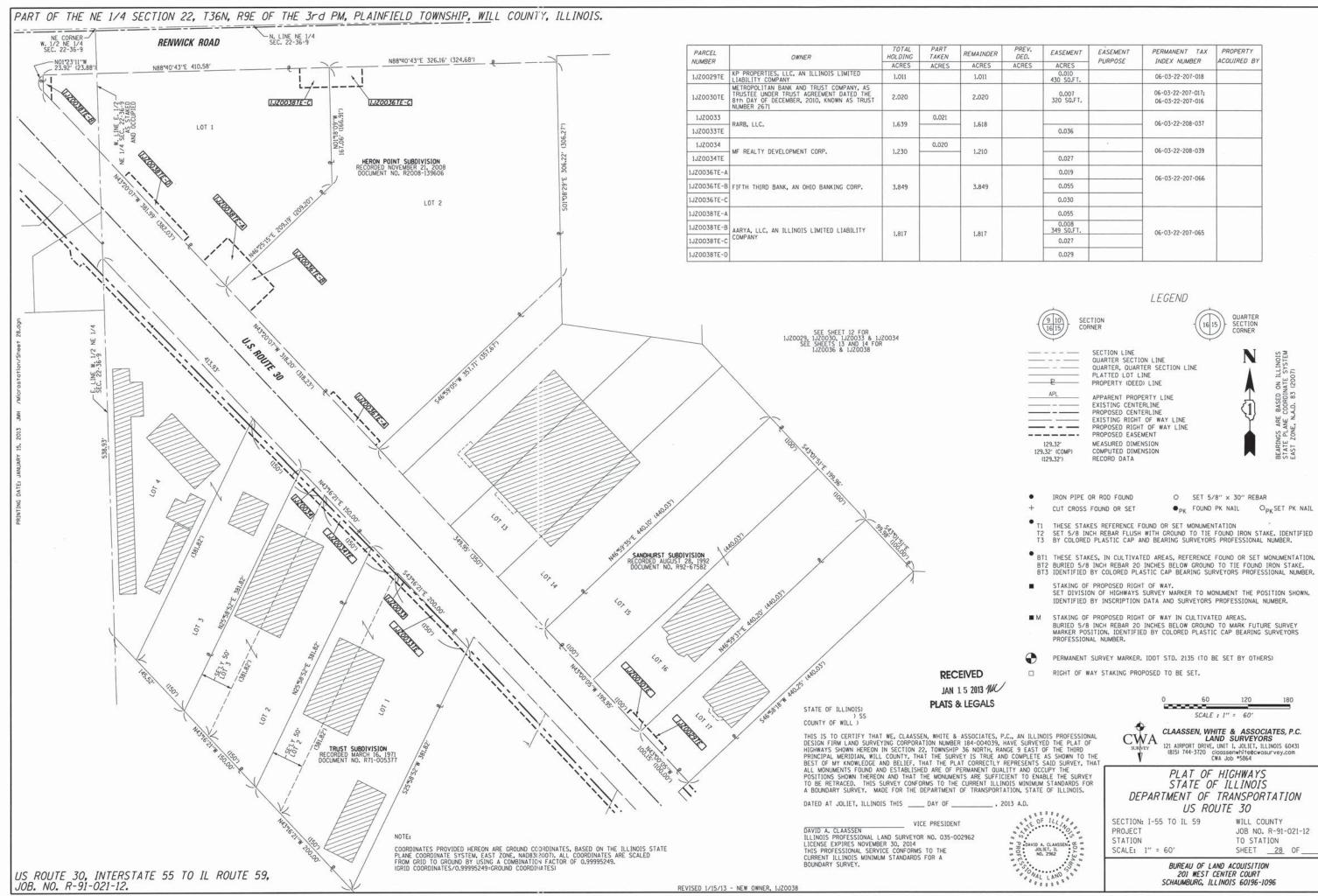


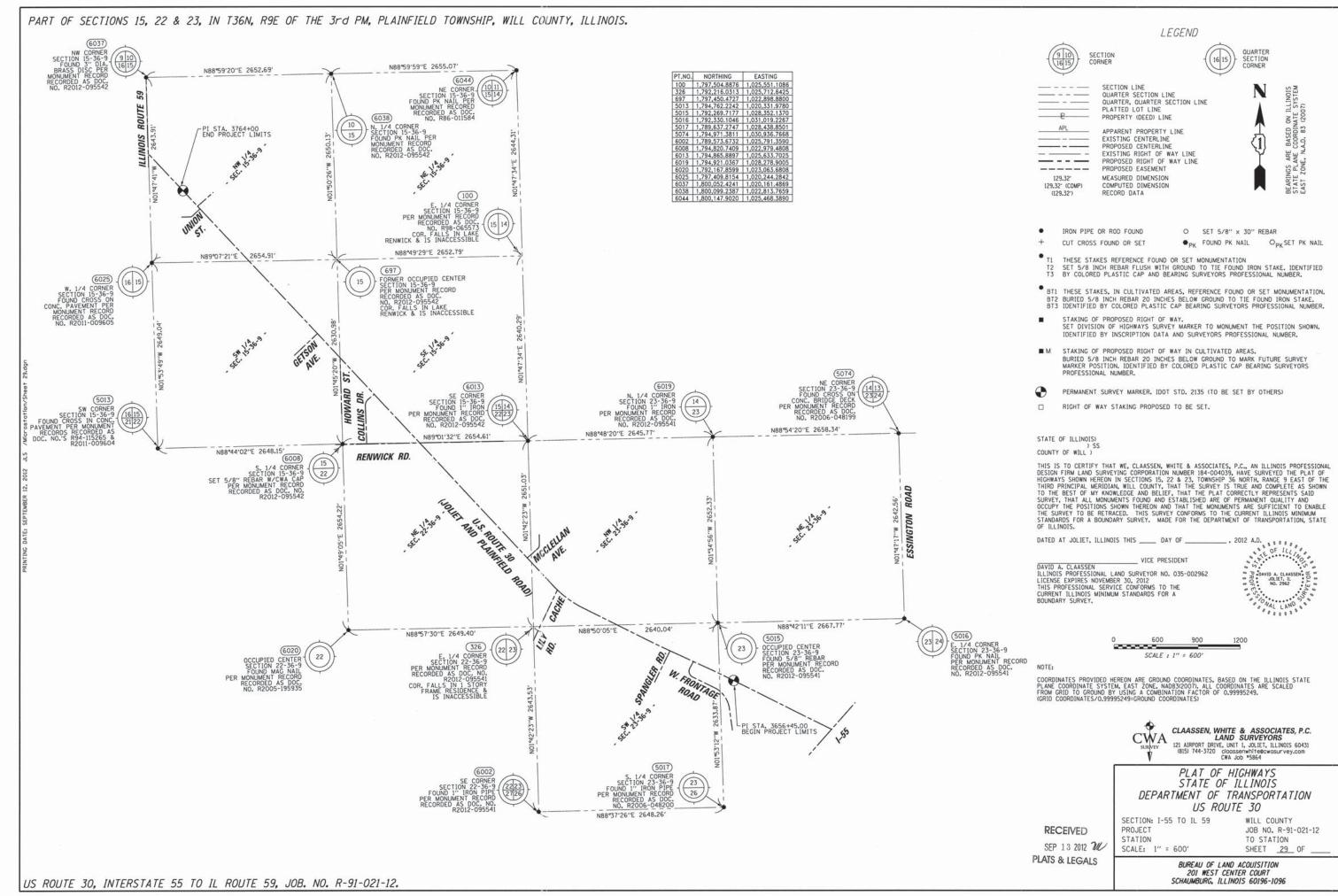


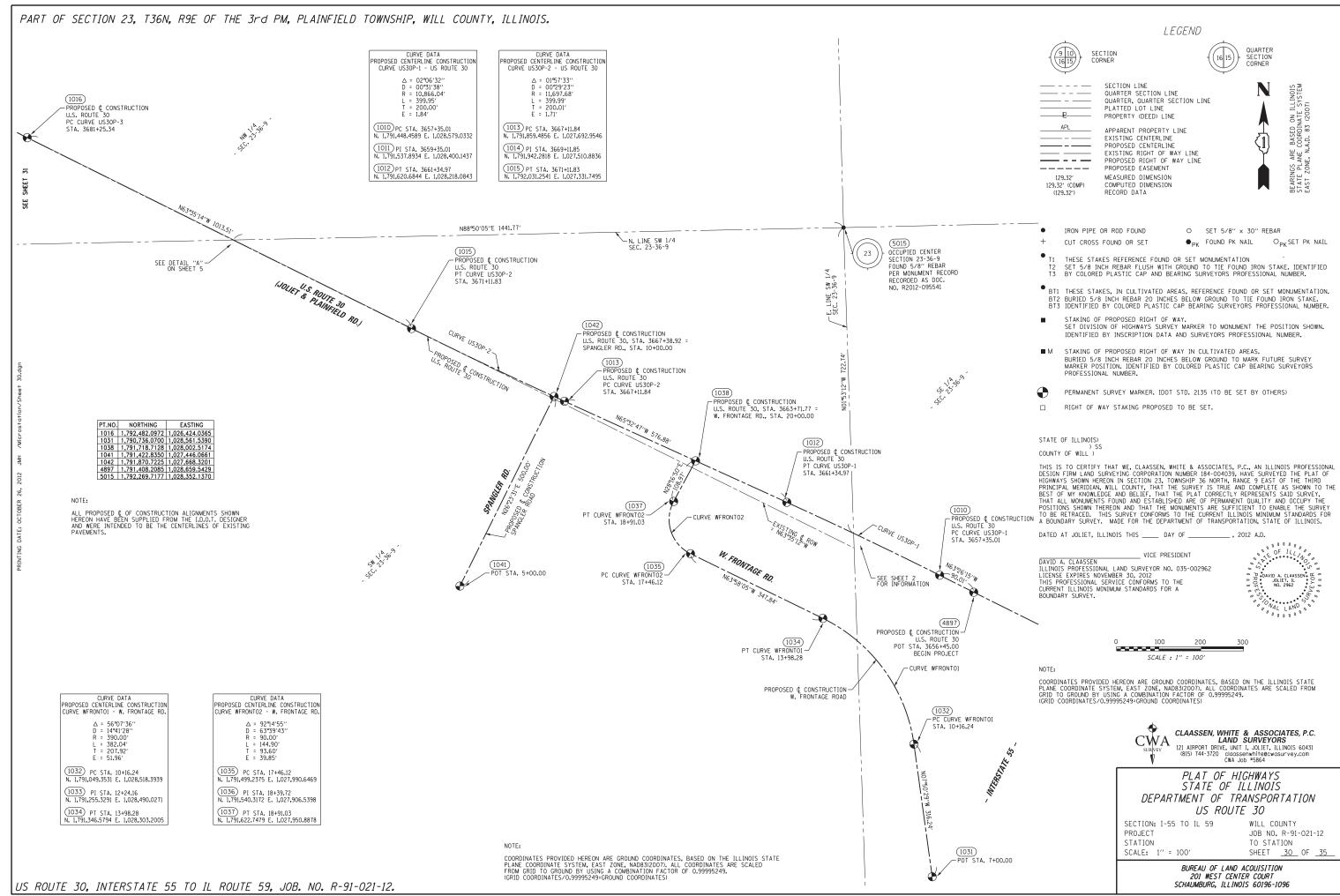


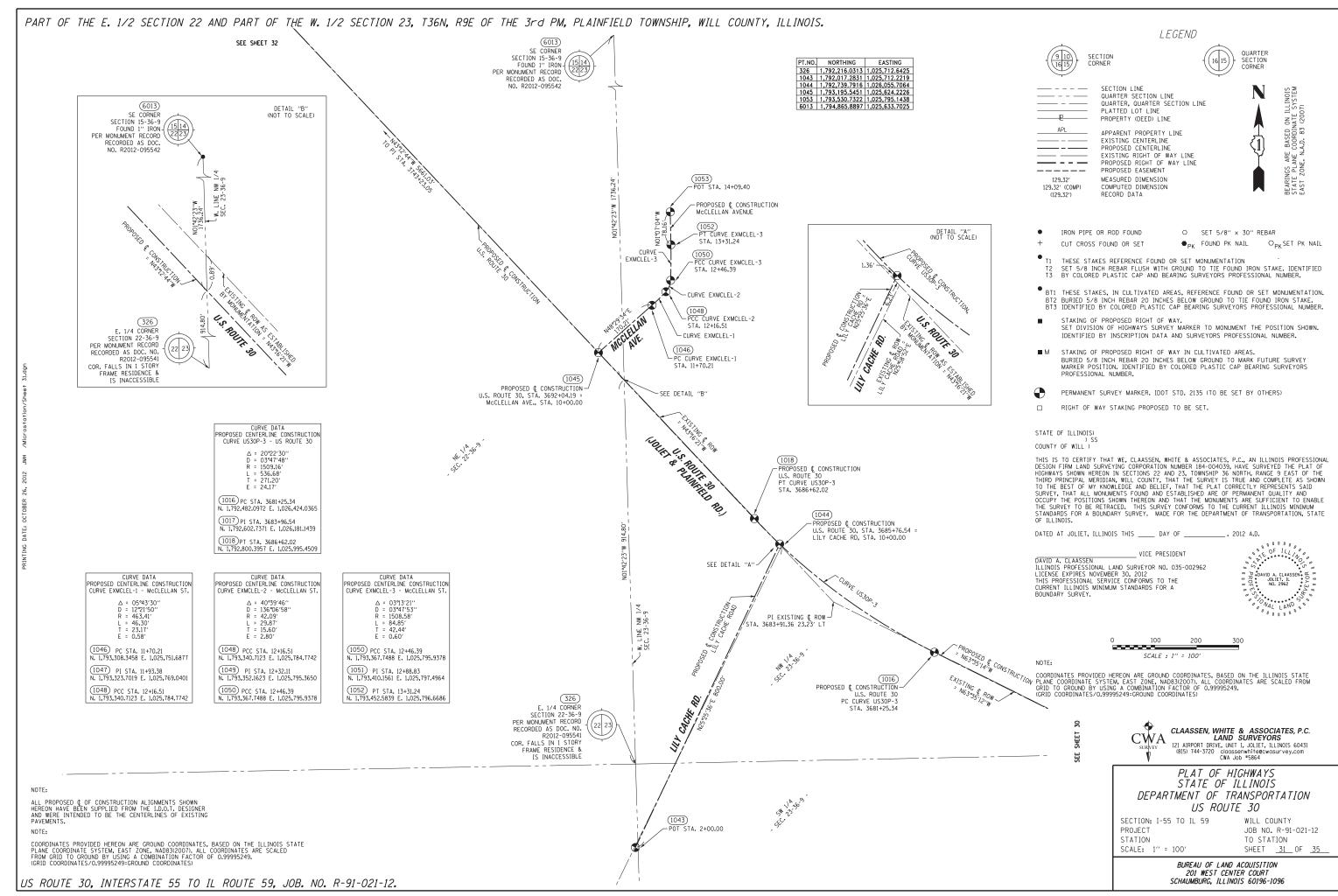


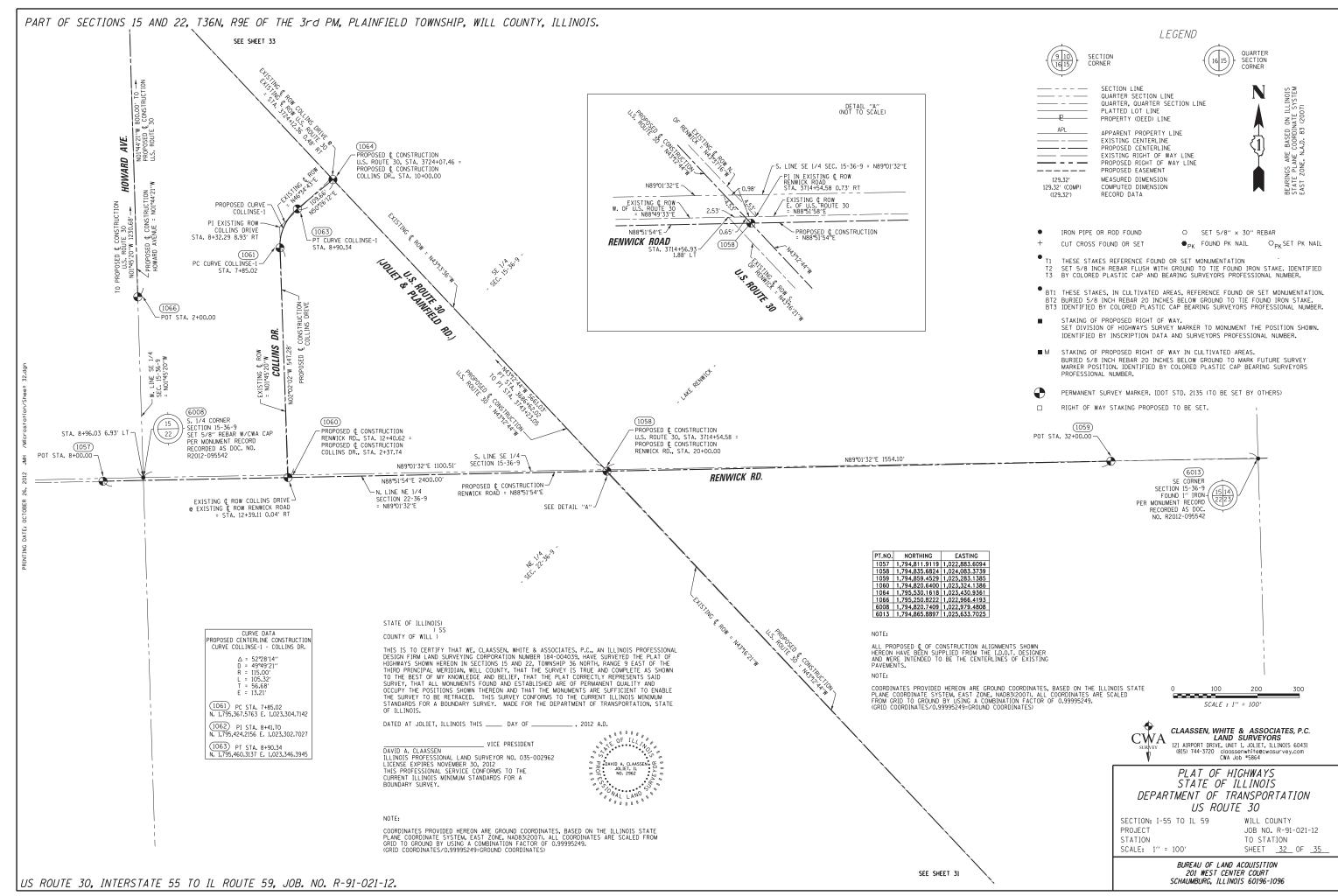


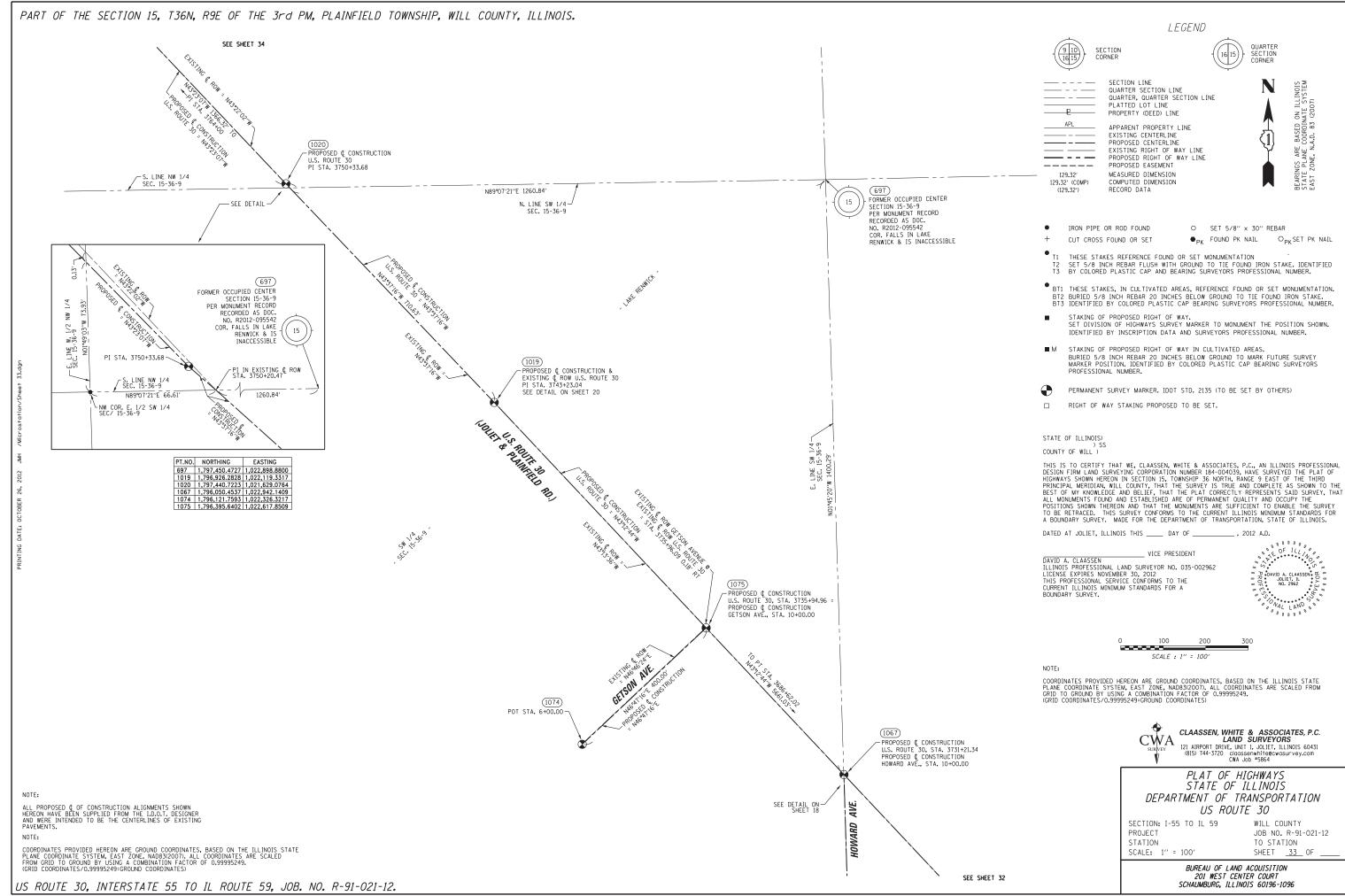


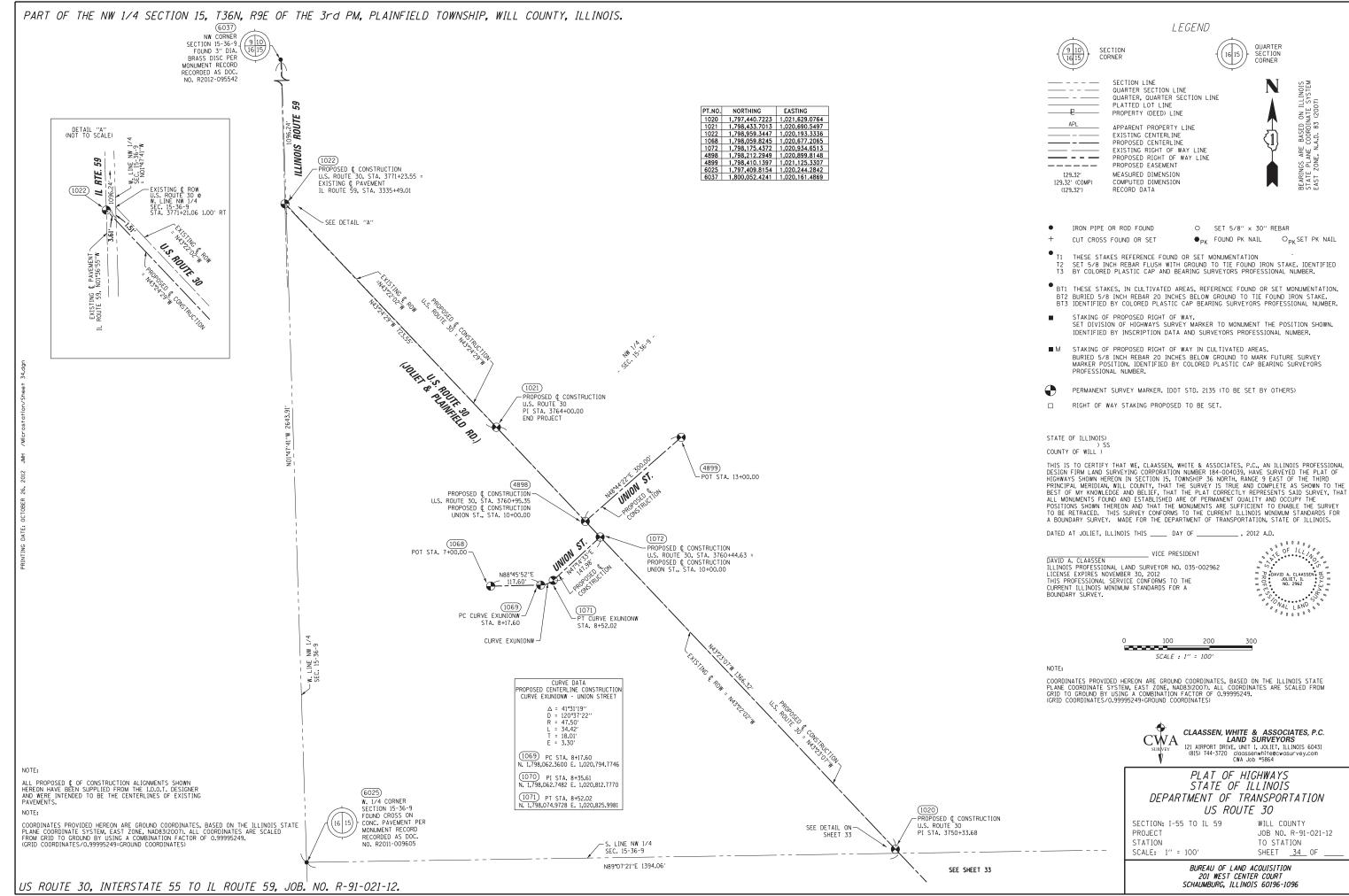


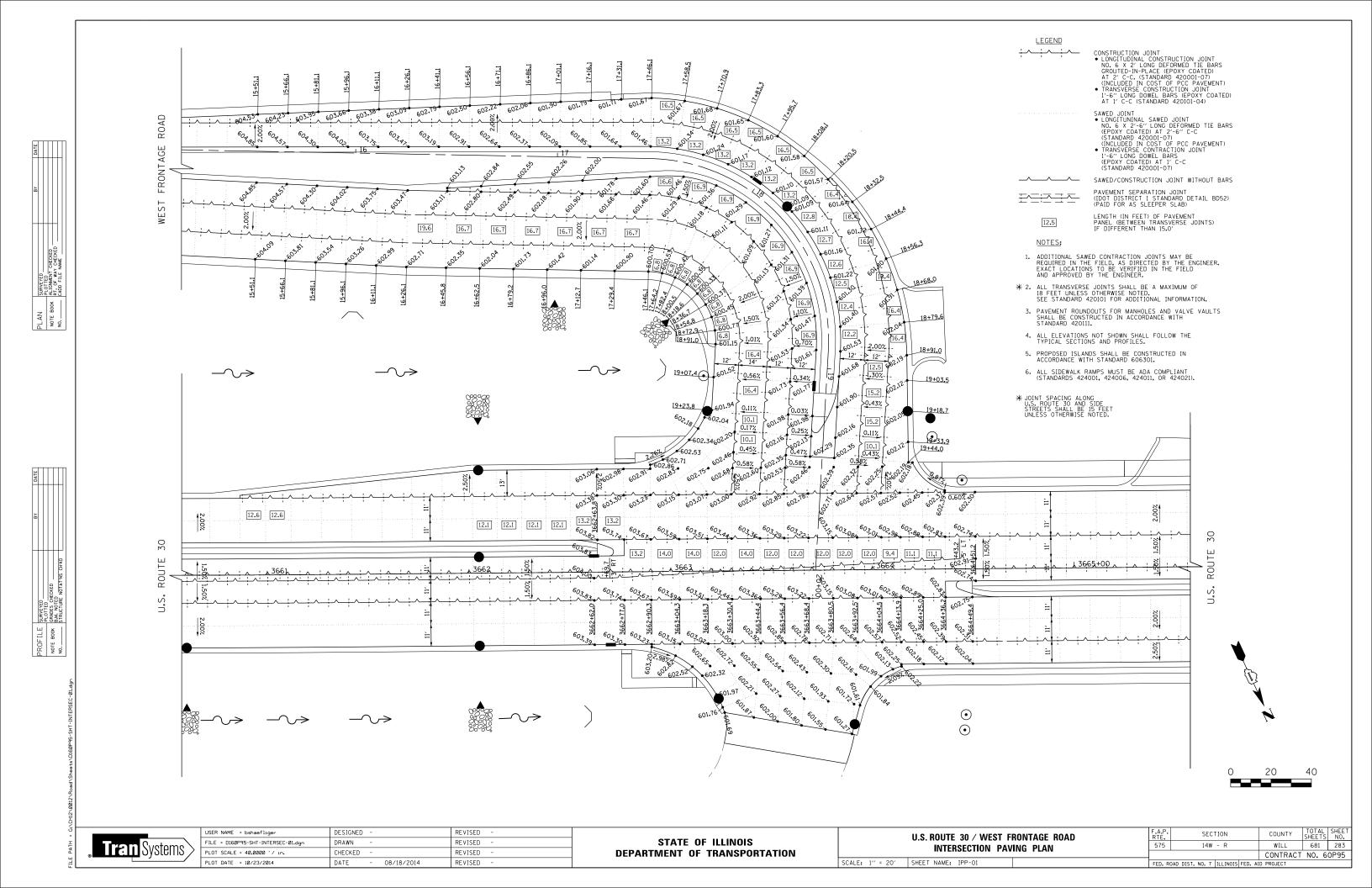


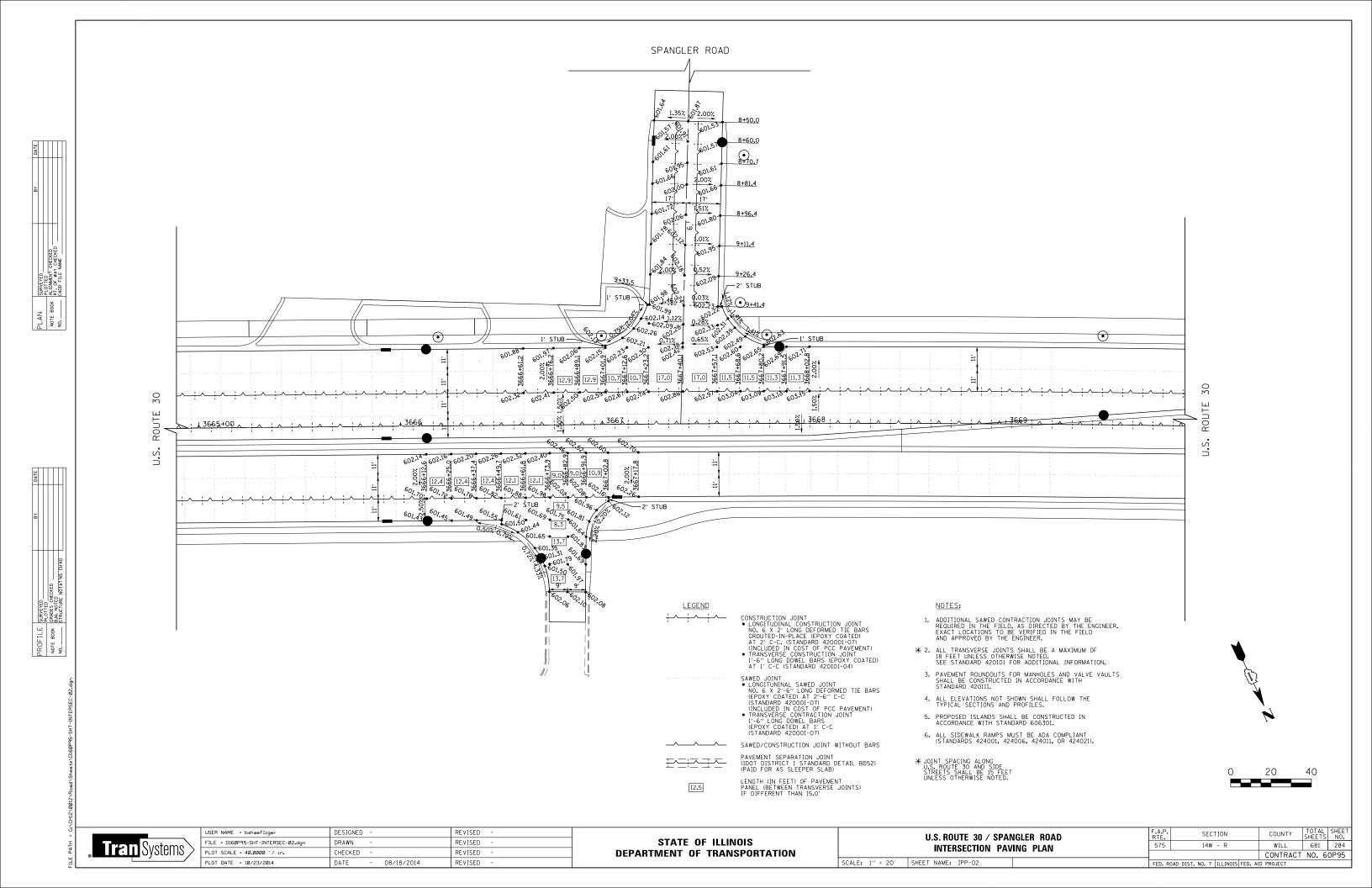


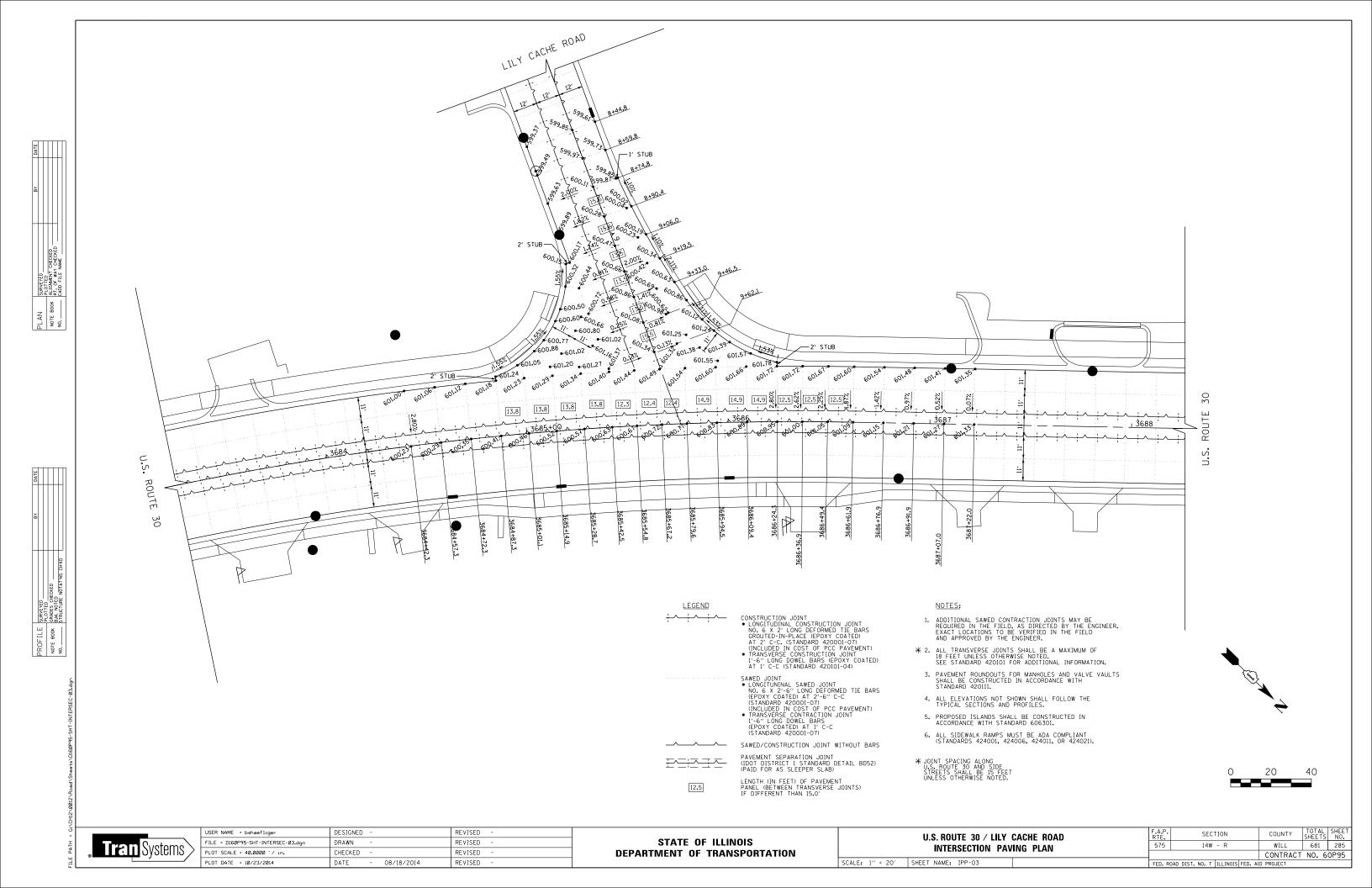


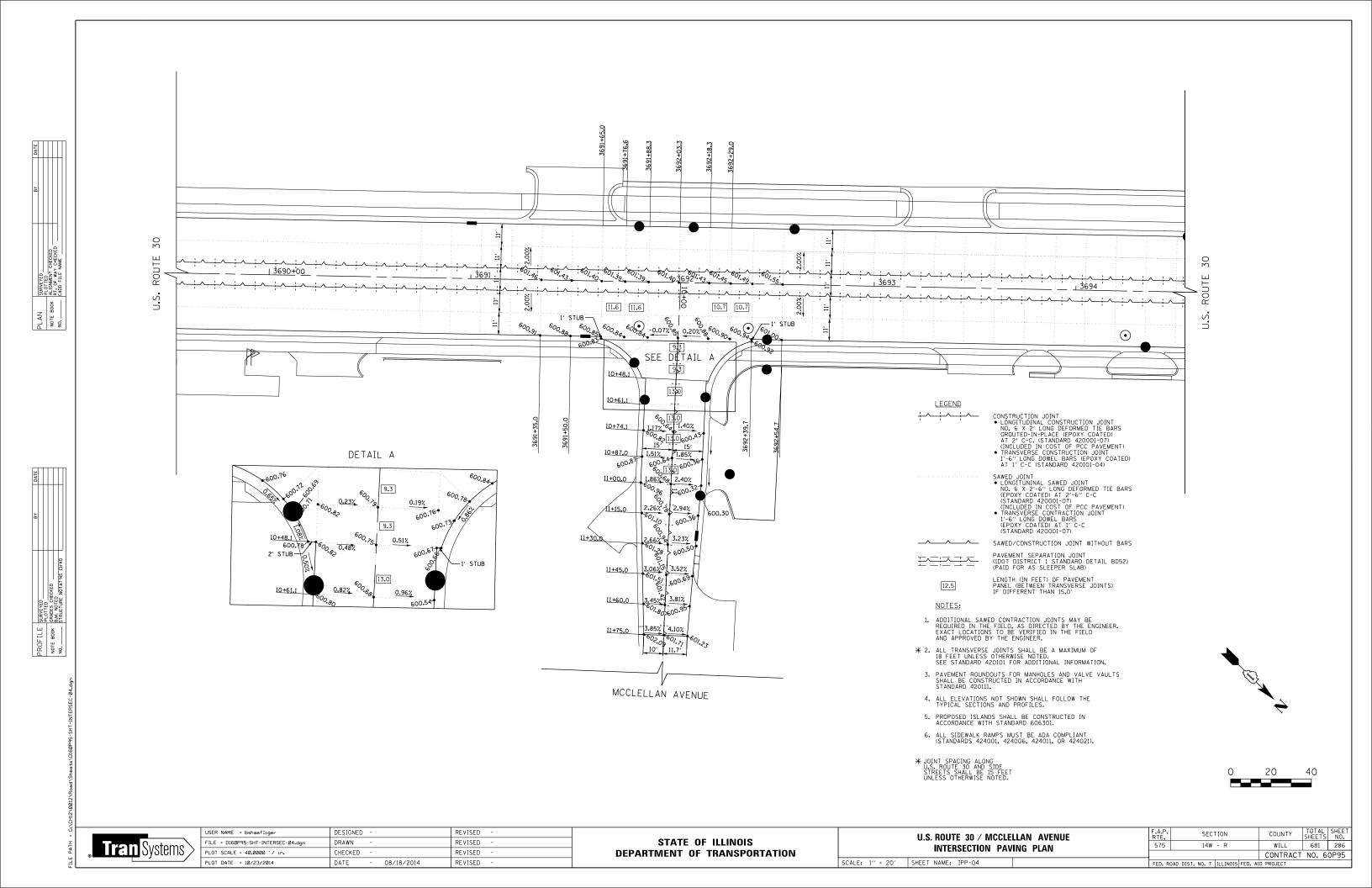


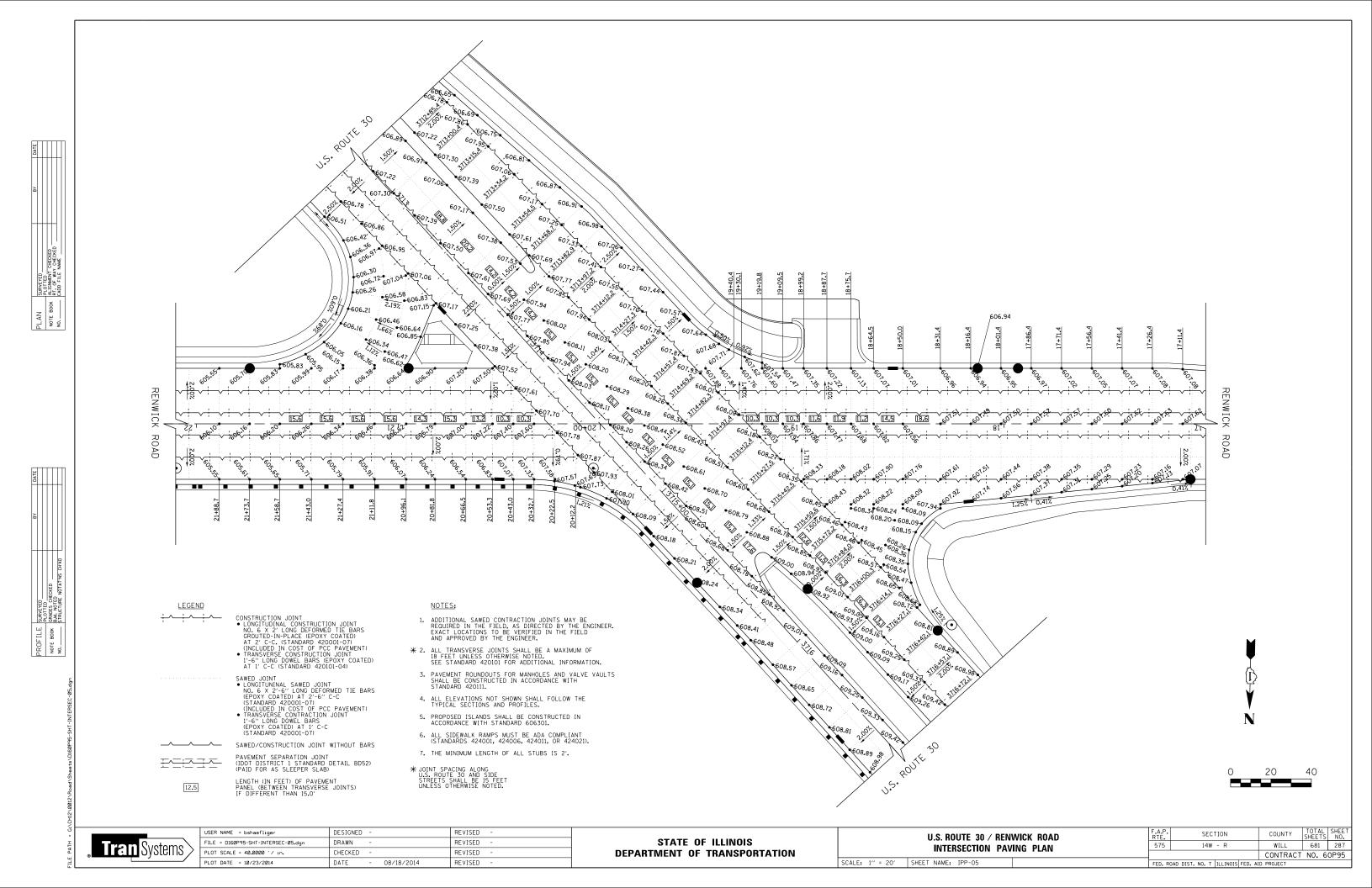


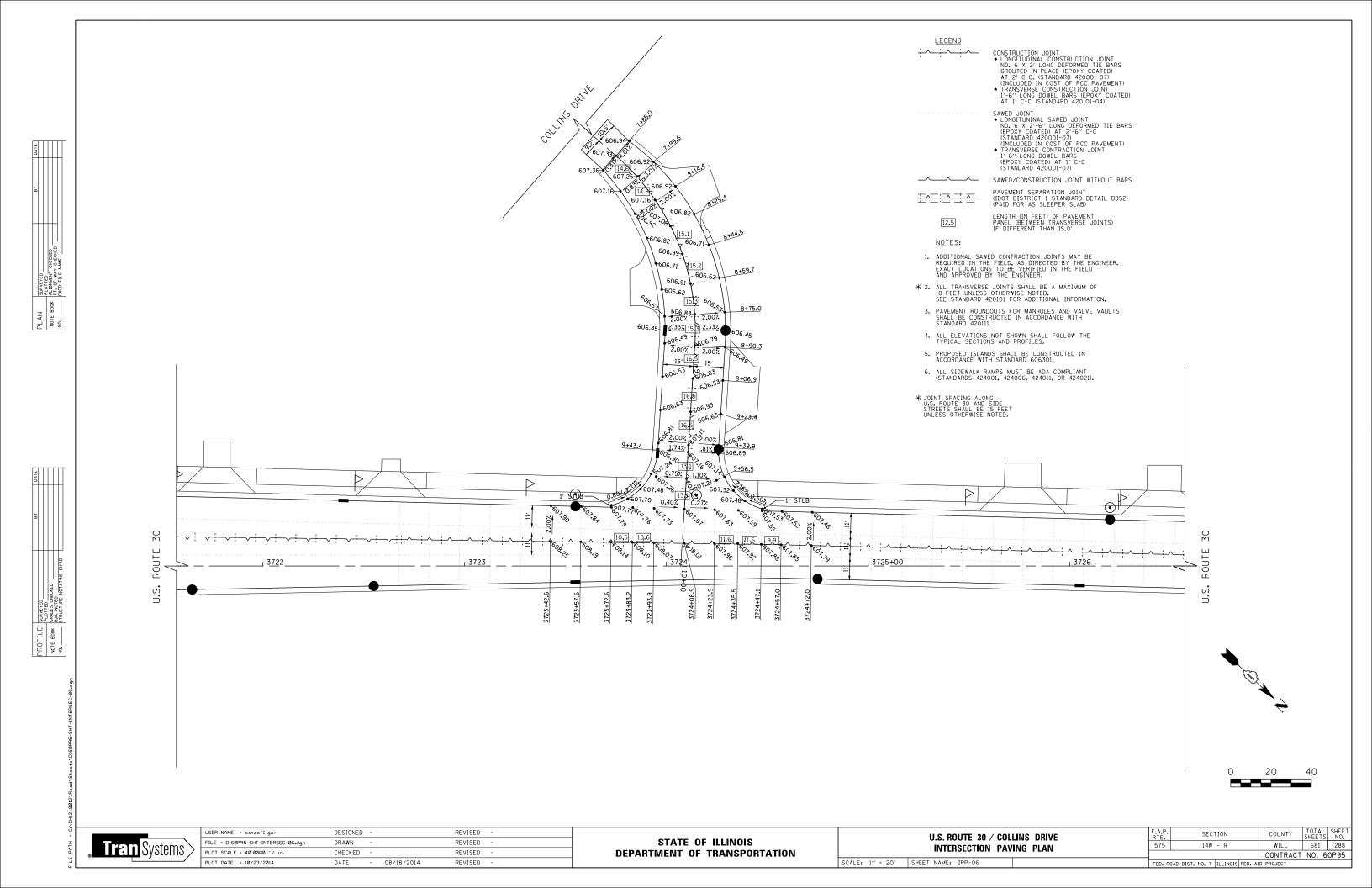












STEEL SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME 605.69 PLAN NOTE B 605.10 605.35 55.65 605.60 605.62 605.63 505.60 605.68 605.80 605.80 605 605.53 604.91 •605.30 605.35 **(V)** 605.57 605.59 605.59 E05.62 ROUTE 14.2 18,1 18.1 18.1 18.1 3730+Q0 ROU ر ا6.2 u.S. 18.1 U.S. 14.2 <u>LEGEND</u> NOTES: 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)
(INCLUDED IN COST OF PCC PAVEMENT)

• TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04) 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 18 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101 FOR ADDITIONAL INFORMATION. SAVED JOINT

LONGITUNINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
(INCLUDED IN COST OF PCC PAVEMENT)
TRANSVERSE CONTRACTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1' C-C
(STANDARD 420001-07) 3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111. 4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES. 5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301. 6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARDS 424001, 424006, 424011, OR 424021). SAWED/CONSTRUCTION JOINT WITHOUT BARS PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB) \* JOINT SPACING ALONG U.S. ROUTE 30 AND SIDE STREETS SHALL BE 15 FEET UNLESS OTHERWISE NOTED. LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 15.0' 12.5 REVISED DESIGNED USER NAME = bshaefliger SECTION COUNTY U.S. ROUTE 30 / HOWARD STREET STATE OF ILLINOIS FILE = D160P95-SHT-INTERSEC-07.dgr DRAWN REVISED **Tran** Systems 681 289 575 14W - R WILL INTERSECTION PAVING PLAN PLOT SCALE = 40.0000 '/ in. CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60P95 SCALE: 1" = 20' SHEET NAME: IPP-07 PLOT DATE = 10/23/2014 DATE 08/18/2014 REVISED

GETSON AVENUE 606 2.17% 3.42% 9+09.6 606.92 606.31 1.71% 2.96% 606.45 1.606.92 606.45 SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME 9+20.6 9+34.6 1.25, 606.93 60 14.00 1.8 606.73 0.78% 606.56 9+37.6 1.80% 601.01 601.03 601.03 606.93 606.94 606.01 607.03 607.03 606.94 60 5 00.342 606.91 606.88 606.91 606.88 606.80 607.01 607.09 ROUTE ROUTE U.S. 3736+51.1 <u>LEGEND</u> NOTES: 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)
(INCLUBED IN COST OF PCC PAVEMENT)

• TRANSVERSE CONSTRUCTION JOINT
1'-6" LONG DOWEL BARS (EPOXY COATED)
AT 1' C-C (STANDARD 420101-04) 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 18 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101 FOR ADDITIONAL INFORMATION. SAWED JOINT

LONGITUNINAL SAWED JOINT
NO. 6 X 2'-6" LONG DEFORMED TIE BARS
(EPOXY COATED) AT 2'-6" C-C
(STANDARD 420001-07)
(INCLUDED IN COST OF PCC PAVEMENT)
TRANSVERSE CONTRACTION JOINT
1'-6" LONG DOWEL BARS
(EPOXY COATED) AT 1" C-C
(STANDARD 420001-07) 3. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111. 4. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES. 5. PROPOSED ISLANDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606301. 6. ALL SIDEWALK RAMPS MUST BE ADA COMPLIANT (STANDARDS 424001, 424006, 424011, OR 424021). SAWED/CONSTRUCTION JOINT WITHOUT BARS PAVEMENT SEPARATION JOINT (IDOT DISTRICT 1 STANDARD DETAIL BD52) (PAID FOR AS SLEEPER SLAB) \* JOINT SPACING ALONG
U.S. ROUTE 30 AND SIDE
STREETS SHALL BE 15 FEET
UNLESS OTHERWISE NOTED. LENGTH (IN FEET) OF PAVEMENT PANEL (BETWEEN TRANSVERSE JOINTS) IF DIFFERENT THAN 15.0' 12.5 DESIGNED REVISED USER NAME = bshaefliger SECTION COUNTY U.S. ROUTE 30 / GETSON AVENUE STATE OF ILLINOIS Tran Systems FILE = D160P95-SHT-INTERSEC-08.dgr DRAWN REVISED WILL 681 290 575 14W - R INTERSECTION PAVING PLAN

**DEPARTMENT OF TRANSPORTATION** 

SCALE: 1" = 20' SHEET NAME: IPP-08

CONTRACT NO. 60P95

PLOT SCALE = 40.0000 '/ in.

PLOT DATE = 10/23/2014

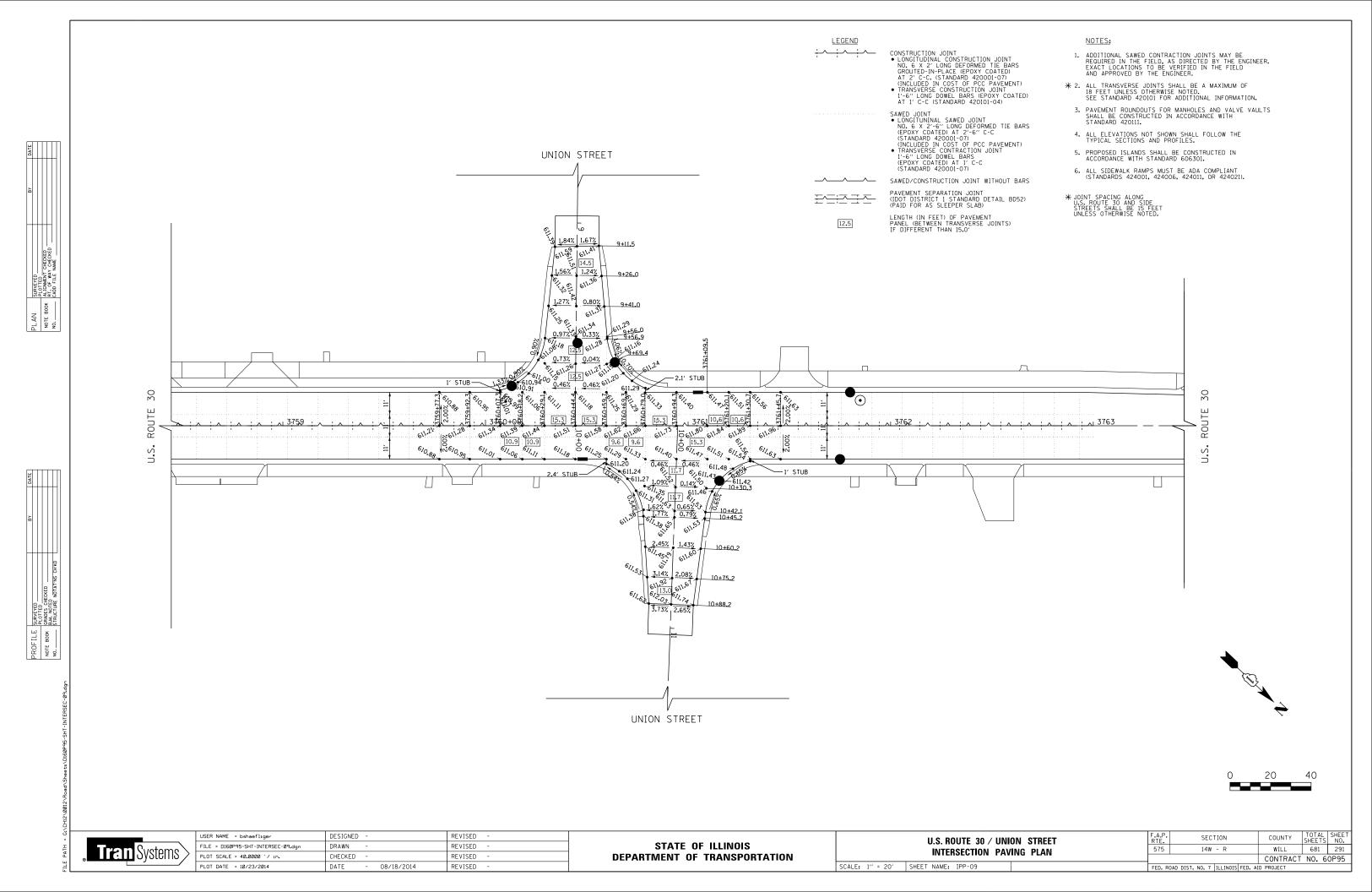
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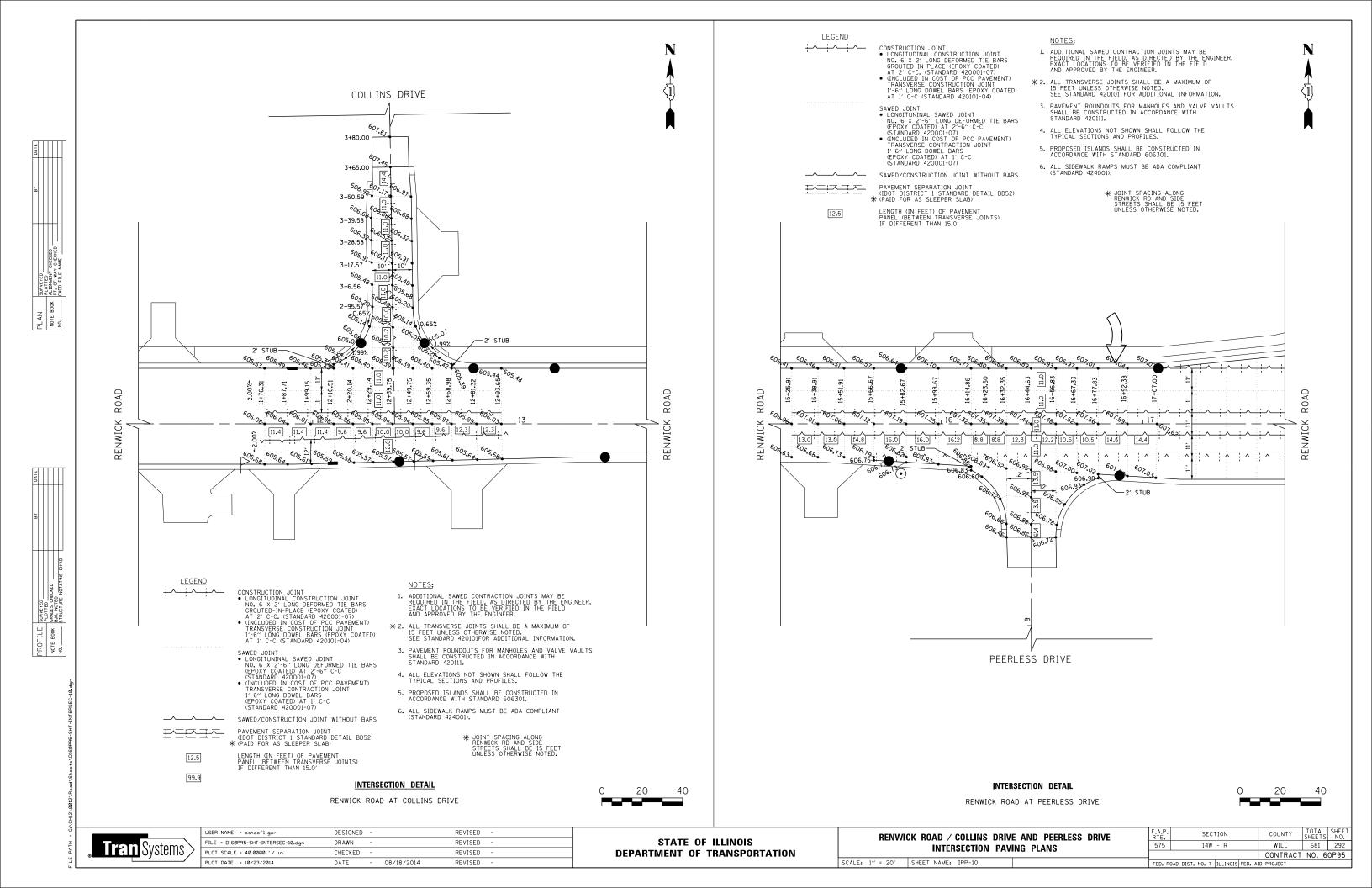
08/18/2014

DATE

REVISED

REVISED





## NOTES:

- POLYUREA PAVEMENT MARKING TYPE I, SHALL BE USED ON PCC PAVEMENT AND THERMOPLASTIC PAVEMENT MARKING ON HMA PAVEMENT (SIDE STREETS AND DRIVEWAY ENTRANCES).
- 2. FOR ADDITIONAL DETAILS SEE DISTRICT ONE DETAILS TYPICAL PAVEMENT MARKINGS TC-13 AND TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKING TC-11.
- 3. TWO WEEKS PRIOR TO PLACEMENT OF THE PERMANENT PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHALL CONTACT MR. CORY JUCIUS, ARTERIAL TRAFFIC OPERATIONS ENGINEER, AT (847) 705–4411.
- 4. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- 5. ALL MEDIAN NOSES SHALL HAVE YELLOW PAVEMENT MARKINGS.
- 6. THOSE EXISTING PAVEMENT MARKINGS REMOVED OUTSIDE THE IMPROVEMENT LIMITS DURING STAGED CONSTRUCTION SHALL BE REINSTALLED AT ALL LOCATIONS. PAVEMENT MARKINGS WILL BE PAID FOR AS POLYUREA PAVEMENT MARKING OF THE SIZE AND TYPE SPECIFIED ON EXISTING PCC PAVEMENT AND PAID FOR AS THERMOPLASTIC PAVEMENT MARKING OF THE TYPE AND SIZE SPECIFIED ON EXISTING HMA PAVEMENT IN THE PLANS. REFER TO TRAFFIC CONTROL PLANS FOR REMOVED MARKINGS.
- 7. THE STATION GIVEN FOR THE STOP BAR LOCATION REFERENCES THE FACE OF THE STOP BAR WHICH MATCHES THE LOCATION OF THE MEDIAN NOSE PC.
- 8. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF A 6" CROSSWALK LINE AND FACE OF A 24" STOP BAR.

## PAVEMENT MARKING LEGEND

- (1) 4" WHITE LINE (10' LINE 30' SPACE)
- 24" WHITE LINE
- (3) 6" WHITE LINE
- (4) 12" WHITE CHEVRON LINE
- (5) 6" WHITE LINE (2' LINE 6' SPACE)
- (6) 8" WHITE LINE
- (7) 4" DOUBLE YELLOW LINE AT 11" C-C
- 8 TWO-WAY LEFT TURN LANE –
  4" YELLOW LANE LINE (10' LINE 30' SPACE)
  4" YELLOW SOLID LINE
  5 1/2" C-C BETWEEN SOLID LINE AND SKIP DASH LINE
- (9) 12" WHITE LINE
- (10) 12" YELLOW LINE
- (11) ONE-WAY CRYSTAL MARKER
- 12) TWO-WAY AMBER MARKER
- CROSSWALK-SHARED USE PATH –
  6" WHITE LINE (10' C–C)
  12" WHITE DIAGONAL LINES (3' C–C) AT 45 DEGREES
- (14) 4" WHITE LINE
- 4" YELLOW LINE
- (16) 6" WHITE LINE (3' LINE 9' SPACE)
- REMOVE CONFLICTING PAVEMENT MARKING

## PAVEMENT MARKING SYMBOL LEGEND



36.4 S

WHITE TURN ARROW & LETTERS 36.4 SQ. FT.



WHITE U-TURN ARROW & LETTERS 51.5 SQ. FT.



LEFT TURN/U-TURN ARROW 31.5 SQ. FT.



WHITE TURN ARROW 15.6 SQ. FT.



ONLY LETTERS 20.8 SQ. FT.



2–WAY LEFT TURN LANE ARROWS 31.2 SQ. FT.

•

TWO-WAY AMBER CRYSTAL, 40' C-C



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING NOTES AND LEGENDS

SCALE: N/A SHEET NAME: PMK-OO STA. N/A TO STA. N/A

