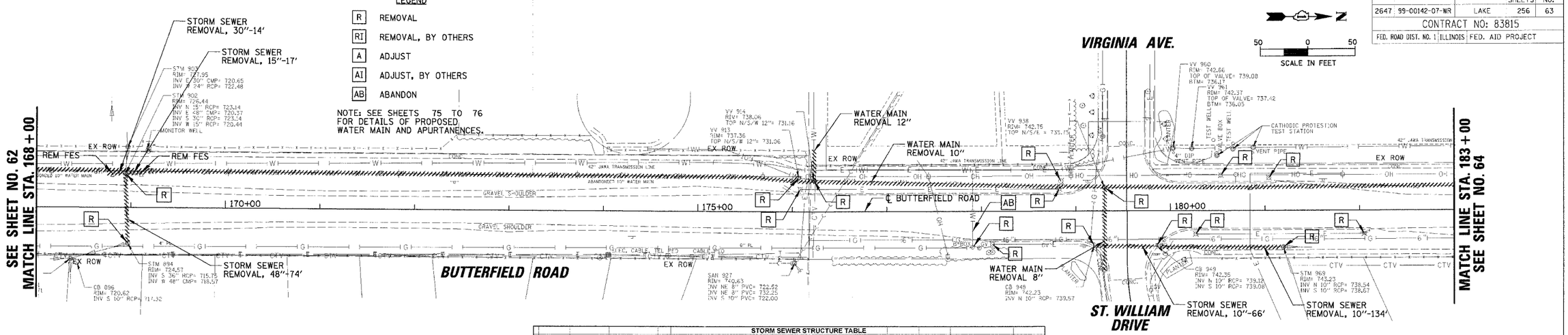
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2647	99-00142-07-WR	LAKE	256	63
CONTRACT NO: 83815				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LEGEND

- R — REMOVAL
- RI — REMOVAL, BY OTHERS
- A — ADJUST
- AI — ADJUST, BY OTHERS
- AB — ABANDON

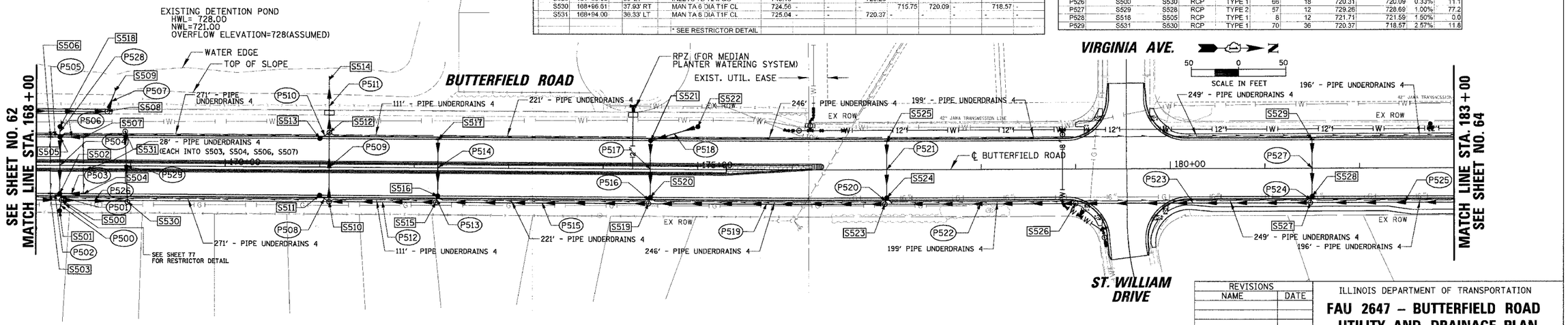
NOTE: SEE SHEETS 75 TO 76 FOR DETAILS OF PROPOSED WATER MAIN AND APURTANENCES.



EXISTING CONDITIONS

STORM SEWER STRUCTURE TABLE											
STR NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	N INV	NE INV	E INV	SE INV	S INV	SW INV	W INV	NW INV
* S500	168+27.00	36.5' RT	MAN TA 6 DIA T1F CL RES	724.77	720.31	-	720.31	-	720.31	-	721.00	-
S501	168+25.00	48' RT	CB TC T8G	723.10	-	-	-	-	-	-	720.41	-
S502	168+25.00	30' RT	CB TA 4 DIA T24F&G	724.51	721.03	-	721.03	-	721.03	-	721.03	-
S503	168+15.00	30' RT	INLETS TA T24F&G	724.52	721.09	-	-	-	-	-	-	-
S504	168+50.00	30' RT	INLETS TA T24F&G	724.56	-	-	-	-	721.24	-	-	-
S505	168+25.00	30' LT	CB TC 4 DIA T24F&G	724.51	721.59	-	721.59	-	721.59	-	721.59	-
S506	168+15.00	30' LT	INLETS TA T24F&G	724.52	721.65	-	-	-	-	-	-	-
S507	168+50.00	30' LT	INLETS TA T24F&G	724.56	-	-	-	-	721.80	-	-	-
S508	168+75.00	57' LT	RD MAN 6 DIA T1F CL	727.60	-	-	-	-	722.06	-	722.00	-
S509	168+83.08	78.17' LT	PRC FLAR END SEC 30	0.00	-	-	721.80	-	-	-	-	-
S510	171+10.00	36.5' RT	MAN TA 5 DIA T1F CL	728.83	722.20	-	-	-	-	724.50	722.10	-
S511	171+00.00	30' RT	CB TA 4 DIA T24F&G	728.39	-	724.57	-	-	-	-	-	-
S512	171+10.00	36.5' LT	MAN TA 5 DIA T1F CL	728.83	-	-	721.88	724.50	-	-	721.80	-
S513	171+00.00	30' LT	CB TA 4 DIA T24F&G	728.39	-	-	-	-	-	-	-	724.57
S514	171+09.76	91.86' LT	PRC FLAR END SEC 24	0.00	-	-	721.46	-	-	-	-	-
S515	172+23.00	36.5' RT	MAN TA 5 DIA T1F CL	731.06	724.83	-	-	-	724.73	-	724.83	-
S516	172+25.00	30' RT	CB TA 4 DIA T24F&G	730.85	-	-	724.85	-	-	-	724.85	-
S517	172+25.00	30' LT	INLETS TA T24F&G	730.85	-	-	726.85	-	-	-	-	-
S518	168+25.00	41' LT	CB TC T8G	723.30	-	-	721.71	-	-	-	-	-
S519	174+48.00	36.5' RT	MAN TA 5 DIA T1F CL	735.49	725.59	-	-	-	725.50	-	729.48	-
S520	174+50.00	30' RT	CB TA 4 DIA T24F&G	735.28	-	-	729.50	-	-	-	729.60	-
S521	174+50.00	30' LT	CB TA 4 DIA T24F&G	735.28	730.26	-	730.16	-	-	-	-	-
S522	175+00.00	45' LT	CB TC T8G	735.50	-	-	-	-	730.75	-	-	-
S523	176+98.00	36.5' RT	MAN TA 5 DIA T1F CL	740.18	726.45	-	-	-	726.35	-	726.45	-
S524	177+00.00	30' RT	CB TA 4 DIA T24F&G	739.96	-	-	726.47	-	-	-	726.47	-
S525	177+00.00	30' LT	INLETS TB T24F&G	739.96	-	-	727.04	-	-	-	-	-
S526	179+00.00	36.5' RT	MAN TA 4 DIA T1F CL	741.82	727.52	-	-	-	727.47	-	-	-
S527	181+48.00	36.5' RT	MAN TA 4 DIA T1F CL	740.42	728.66	-	-	-	728.60	-	728.66	-
S528	181+50.00	30' RT	CB TA 4 DIA T24F&G	740.15	-	-	728.69	-	-	-	728.69	-
S529	181+50.00	30' LT	INLETS TB T24F&G	740.15	-	-	729.26	-	-	-	-	-
S530	168+66.51	37.93' RT	MAN TA 6 DIA T1F CL	724.56	-	-	-	715.75	720.09	-	718.57	-
S531	168+94.00	36.33' LT	MAN TA 6 DIA T1F CL	725.04	-	-	720.37	-	-	-	-	-
			* SEE RESTRICTOR DETAIL									

STORM SEWER PIPE TABLE										
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA (IN)	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	TBF (CU YD)
P500	S501	S500	RCP	TYPE 1	9	12	720.41	720.31	1.11%	1.0
P501	S502	S500	RCP	TYPE 1	3	12	721.03	721.00	1.00%	0.3
P502	S503	S502	RCP	TYPE 1	6	12	721.09	721.03	1.00%	0.6
P503	S504	S502	RCP	TYPE 1	21	12	721.24	721.03	1.00%	2.2
P504	S505	S502	RCP	TYPE 1	56	12	721.59	721.03	1.00%	5.2
P505	S506	S505	RCP	TYPE 1	6	12	721.65	721.59	1.00%	0.4
P506	S507	S505	RCP	TYPE 1	21	12	721.80	721.59	1.00%	1.5
P507	S508	S509	RCP	TYPE 1	14	30	722.00	721.80	1.43%	#N/A
P508	S511	S510	RCP	TYPE 1	7	12	724.57	724.50	1.00%	1.0
P509	S510	S512	RCP	TYPE 2	68	24	722.10	721.88	0.32%	46.4
P510	S513	S512	RCP	TYPE 1	7	12	724.57	724.50	1.00%	1.0
P511	S512	S514	WMQ	TYPE 1	47	24	721.80	721.46	0.72%	#N/A
P512	S515	S510	RCP	TYPE 2	108	24	724.73	722.20	2.34%	56.9
P513	S515	S515	RCP	TYPE 2	2	12	724.85	724.83	1.00%	0.7
P514	S517	S516	RCP	TYPE 2	57	12	726.85	724.85	3.51%	13.5
P515	S519	S515	RCP	TYPE 2	220	24	725.50	724.83	0.30%	208.4
P516	S520	S519	RCP	TYPE 2	2	12	729.50	729.48	1.00%	0.7
P517	S521	S520	RCP	TYPE 2	56	12	730.16	729.60	1.00%	16.2
P518	S522	S521	RCP	TYPE 2	49	12	730.75	730.26	1.00%	11.0
P519	S523	S519	RCP	TYPE 2	245	24	726.35	725.59	0.31%	416.9
P520	S524	S523	RCP	TYPE 3	2	12	726.47	726.45	1.00%	3.5
P521	S525	S524	RCP	TYPE 3	57	12	727.04	726.47	1.00%	96.4
P522	S526	S523	WMQ	TYPE 3	198	18	727.47	726.45	0.52%	398.4
P523	S527	S526	RCP	TYPE 3	244	18	728.60	727.52	0.44%	446.8
P524	S528	S527	RCP	TYPE 3	3	12	728.69	728.66	1.00%	4.3
P525	S600	S527	RCP	TYPE 3	196	18	729.66	728.66	0.51%	237.4
P526	S500	S530	RCP	TYPE 1	66	18	720.31	720.09	0.33%	11.1
P527	S529	S528	RCP	TYPE 2	57	12	729.26	728.69	1.00%	77.2
P528	S518	S505	RCP	TYPE 1	8	12	721.71	721.59	1.50%	0.0
P529	S531	S530	RCP	TYPE 1	70	36	720.37	718.57	2.57%	11.8



PROPOSED CONDITIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAU 2647 – BUTTERFIELD ROAD UTILITY AND DRAINAGE PLAN BUTTERFIELD ROAD STA. 168+00 TO STA. 183+00

SCALE: 1:50 DRAWN BY: ELA

DATE: 12/2/2005 CHECKED BY: BLL

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1:50
12/2/2005