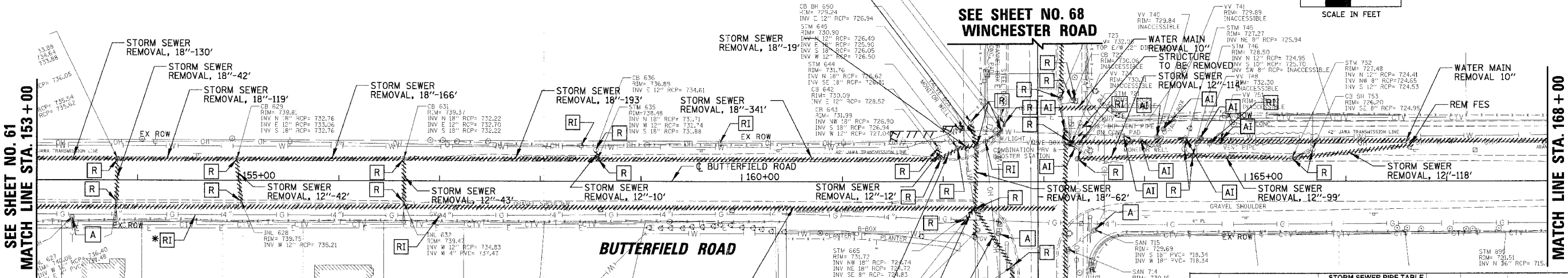
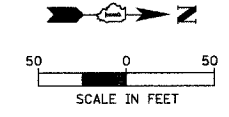


* NOTE:
 OPEN TRENCH METHOD OF CONSTRUCTION WILL NOT BE ALLOWED FOR UTILITY RELOCATION ON THE RIGHT SIDE OF BUTTERFIELD ROAD FROM STA. 153+00 TO STA. 157+50 WITHIN 3 FEET OF WALL FACE UNLESS THE TRENCH BOTTOM ELEVATION IS NO LOWER THAN THE BOTTOM OF WALL.

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2647	99-00142-07-WR	LAKE	256	62
CONTRACT NO: 83815				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



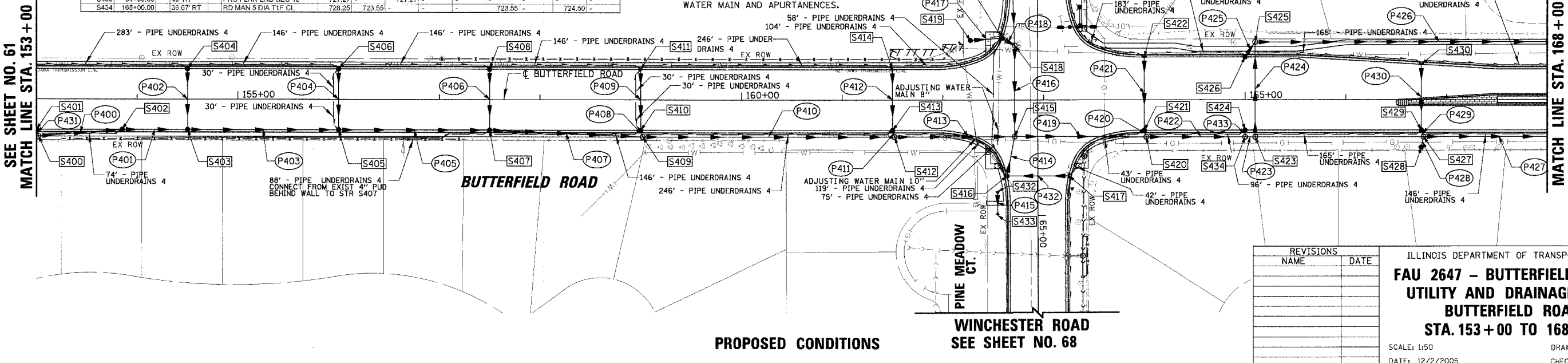
STR NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	N INV	NE INV	E INV	SE INV	S INV	SW INV	W INV	NW INV
S400	153+02.00	36.5' RT	MAN TA 4 DIA T1F CL	739.39	734.25				734.30			734.60
S401	153+00.00	30' RT	CB TA 4 DIA T24F&G	739.15		734.63						
S402	153+05.00	30' RT	RD CB 4 DIA T24F&G	738.73	733.83				733.83			
S403	154+50.00	30' RT	RD CB 4 DIA T24F&G	738.40	733.45				733.50			
S404	154+50.00	30' LT	CB TA 4 DIA T24F&G	738.40		734.16						733.90
S405	156+00.00	30' RT	RD CB 5 DIA T24F&G	737.65	732.35				732.40			732.50
S406	156+00.00	30' LT	CB TA 4 DIA T24F&G	737.65		733.06						
S407	157+50.00	30' RT	RD CB 5 DIA T24F&G	736.90	731.55				731.60			731.70
S408	157+50.00	30' LT	CB TA 4 DIA T24F&G	736.90		732.26						
S409	159+02.00	36.5' RT	RD MAN 5 DIA T1F CL	736.24	730.76				730.80			730.90
S410	159+00.00	30' RT	CB TA 4 DIA T24F&G	736.00		730.92						731.15
S411	159+00.00	30' LT	RD MAN 5 DIA T1F CL	736.00		732.00						
S412	161+52.00	36.5' RT	MAN TA 5 DIA T1F CL	733.08	728.70				728.75			727.53
S413	161+50.00	30' RT	CB TA 4 DIA T24F&G	732.81		727.60						727.70
S414	161+49.94	30' LT	INLETS TA T24F&G	732.81		728.81						
S415	162+71.26	35.96' RT	MAN TA 6 DIA T1F CL	730.91	725.17			725.37	725.27			726.21
S416	162+63.63	75.21' RT	RD CB 4 DIA T24F&G	729.75	725.74							725.74
S417	163+25.11	75.06' RT	INLETS TA T24F&G	729.39		726.31						
S418	162+71.26	53.8' LT	MAN TA 4 DIA T1F CL	731.92		726.52			726.45			726.68
S419	162+27.38	58.93' LT	CB TC T8G	729.25	727.00				724.40			
S420	164+02.00	36.5' RT	RD MAN 5 DIA T1F CL	729.47	724.05				724.68			724.80
S421	164+00.00	30' RT	CB TA 4 DIA T24F&G	729.47		724.70						724.90
S422	164+00.00	42' LT	INLETS TA T24F&G	729.23		726.50						
S423	165+10.00	36.5' RT	RD MAN 5 DIA T1F CL	728.25	723.25				723.53			723.53
S424	165+00.00	30' RT	CB TA 4 DIA T24F&G	728.14		724.52						
S425	165+10.00	57' LT	RD MAN 6 DIA T1F CL	732.00	723.20			723.27				
S426	164+85.00	42' LT	MAN TA 4 DIA T1F CL	728.10		726.02						723.40
S427	166+77.00	36.5' RT	MAN TA 4 DIA T1F CL	726.02	720.60				720.60			
S428	166+75.00	47' RT	CB TC T8G	722.50		720.83						720.68
S429	166+75.00	30' RT	CB TA 4 DIA T24F&G	726.80		720.83						720.95
S430	166+75.00	34.51' LT	INLETS TA T24F&G	726.09		722.10						
S431	162+59.00	61.17' LT	CB TA 4 DIA T24F&G	731.71		726.55			726.65			
S432	64+75.56	40' RT	PRC FLAR END SEC 18	727.35		727.35			727.35			
S433	64+98.89	40' RT	PRC FLAR END SEC 18	727.27		727.27						
S434	165+00.00	36.07' RT	RD MAN 5 DIA T1F CL	728.25	723.55				723.55			724.50

STR. NO.	DEPTH	UTILITY
S402	1.5'	JAWA 42" W.L.L.
S405	1.0'	JAWA 42" W.L.L.
S408	1.5'	JAWA 42" W.L.L.
S426	1.5'	JAWA 42" W.L.L.

STORM SEWER PIPE TABLE											
PIPE NO.	FROM STRUCTURE	TO STRUCTURE	MATERIAL	TYPE	LENGTH (FT)	DIA (IN)	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE (CU VY)	TBF	
P431	S401	S400	RCP	TYPE 2	3	12	734.63	734.60	1.00%	0.6	
P400	S400	S402	RCP	TYPE 2	79	18	734.25	733.83	0.53%	19.2	
P401	S402	S403	RCP	TYPE 2	61	18	733.83	733.50	0.54%	13.3	
P402	S404	S403	RCP	TYPE 2	59	12	734.16	733.60	1.00%	10.9	
P403	S403	S405	RCP	TYPE 1	145	24	733.45	732.40	0.72%	31.8	
P404	S406	S405	RCP	TYPE 2	56	12	733.06	732.50	1.00%	12.6	
P405	S405	S407	RCP	TYPE 2	145	24	732.35	731.60	0.52%	36.2	
P406	S408	S407	RCP	TYPE 2	56	12	732.26	731.70	1.00%	13.2	
P407	S407	S409	RCP	TYPE 2	147	24	731.55	730.80	0.51%	38.8	
P408	S410	S409	RCP	TYPE 2	2	12	730.92	730.90	1.00%	0.5	
P409	S411	S410	RCP	TYPE 2	57	12	732.00	731.15	1.49%	10.5	
P410	S409	S412	RCP	TYPE 2	245	24	730.76	726.75	1.54%	82.8	
P411	S413	S412	RCP	TYPE 2	2	12	727.60	727.53	3.50%	0.6	
P412	S414	S413	RCP	TYPE 2	57	12	728.81	727.70	1.95%	11.1	
P413	S412	S415	VMQ	TYPE 2	114	24	728.70	725.27	1.25%	40.2	
P414	S416	S415	RCP	TYPE 2	35	12	725.74	725.37	1.06%	7.5	
P415	S432	S433	RCP	TYPE 1	23	18	727.35	727.27	0.35%	1.2	
P416	S418	S415	VMQ	TYPE 2	85	18	726.52	726.21	0.36%	20.7	
P417	S419	S431	RCP	TYPE 1	29	12	727.00	726.65	1.21%	1.7	
P418	S431	S418	RCP	TYPE 2	10	12	726.65	726.45	1.00%	2.8	
P419	S415	S420	RCP	TYPE 2	125	24	725.17	724.40	0.62%	34.9	
P420	S421	S420	RCP	TYPE 2	2	12	724.70	724.68	1.00%	0.4	
P421	S422	S421	RCP	TYPE 2	69	12	725.60	724.80	1.01%	11.2	
P422	S420	S434	RCP	TYPE 1	93	30	724.05	723.55	0.54%	16.3	
P423	S434	S423	RCP	TYPE 2	5	12	723.55	723.53	0.40%	3.3	
P424	S423	S425	VMQ	TYPE 2	88	30	723.53	723.20	0.37%	64.1	
P425	S426	S425	VMQ	TYPE 2	24	12	723.40	723.27	0.54%	17.1	
P426	S425	S508	VMQ	TYPE 2	359	30	723.20	722.06	0.32%	293.9	
P427	S427	S500	RCP	TYPE 1	146	24	720.60	720.31	0.20%	29.9	
P428	S428	S427	RCP	TYPE 1	3	12	720.68	720.60	1.00%	0.9	
P429	S429	S427	RCP	TYPE 1	3	12	720.83	720.83	1.00%	0.8	
P430	S430	S429	RCP	TYPE 2	62	12	722.10	720.95	1.85%	11.4	
P432	S417	S416	RCP	TYPE 1	57	12	726.31	725.74	1.00%	6.3	
P433	S424	S434	RCP	TYPE 1	2	12	724.52	724.50	1.00%	0.2	

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

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**FAU 2647 - BUTTERFIELD ROAD
 UTILITY AND DRAINAGE PLAN
 BUTTERFIELD ROAD
 STA. 153+00 TO 168+00**

SCALE: 1:50
 DATE: 12/2/2005

DRAWN BY: ELA
 CHECKED BY: BLL