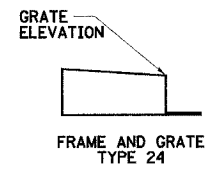
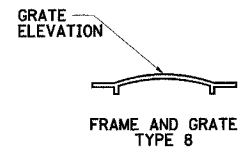
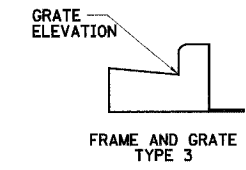


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-IR	ST. CLAIR	382	112
STA.	TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 76300	

STORM SEWERS - CULVERTS - PAVED DITCH

STRUCTURE NUMBER	BASELINE	STATION	OFFSET	TO STATION	OFFSET	SLOPE %	UPSTREAM ELEVATION	DOWNSTREAM ELEVATION	STORM SEWERS TYPE 1 CLASS IV				PIPE CULVERT CLASS C TYPE 1			PRECAST CONCRETE BOX CULVERT			PAVED DITCH (MODIFIED) FOOT	C.L.S.M. CU YD	POUROUS GRANULAR BACKFILL CU YD		
									12" RCP FOOT	24" RCP FOOT	23"x14" RCEP FOOT	38"x24" RCEP FOOT	15" HDPE FOOT	4'x2' PCBC FOOT	6'x2' PCBC FOOT	6'x2'x4'x2' PCBC REDUCER FOOT							
1-2	MAINLINE	320+91.22	46.46' LT.	322+20.00	27.50' LT.	0.99	517.37	516.12										125			12		
2-3	MAINLINE	322+20.00	27.50' LT.	324+50.00	27.50' LT.	0.60	516.12	514.77										223			45		45
3-4	MAINLINE	324+50.00	27.50' LT.	326+05.00	27.50' LT.	0.60	514.77	513.86										134			60		
3A-3	MAINLINE	324+50.00	36.00' LT.	324+50.00	36.00' LT.	1.00	515.30	515.25															
4A-4	MAINLINE	325+86.68	39.77' LT.	325+86.68	28.77' LT.	31.88	518.20	515.65															
4-5	MAINLINE	326+05.00	27.50' LT.	327+25.00	27.50' LT.	0.30	513.86	513.51						8				136			40		
6-5	MAINLINE	327+25.00	35.00' LT.	327+25.00	27.50' LT.	1.00	513.58	513.51															
5-7	MAINLINE	327+25.00	27.50' LT.	327+96.86	27.63' LT.	0.30	513.51	513.33													71		8
7-8	MAINLINE	327+96.86	27.63' LT.	328+40.69	40.50' RT.	0.30	513.33	513.07										81			14		12
8-9	MAINLINE	328+40.69	40.50' RT.	328+50.14	52.03' RT.	0.30	513.07	513.02													7		
9B-10	MAINLINE	328+51.09	58.83' RT.	329+71.15	53.43' RT.	0.32	513.02	512.64													14		
9A-9B	MAINLINE	327+81.18	61.97' RT.	328+51.09	58.83' RT.	1.47	514.05	513.02													7		8
10-16A	MAINLINE	329+71.15	53.43' RT.	333+70.16	45.85' RT.	0.30	512.64	511.45											408		37		
11-11A	MAINLINE	331+10.00	34.03' RT.	331+10.00	47.80' RT.	1.00	512.88	512.72													1		
13-13A	MAINLINE	332+10.00	31.64' RT.	332+10.00	45.90' RT.	1.00	512.57	512.42													1		
13C-13D	MAINLINE	332+10.00	57.00' RT.	332+10.00	51.89' RT.	1.00	512.54	512.43															
14-14A	MAINLINE	333+27.00	29.21' RT.	333+27.00	43.68' RT.	1.00	512.23	512.07													1		
16A-16	MAINLINE	333+79.02	45.66' RT.	333+79.02	45.66' RT.	0.30	511.45	511.42															
17-18	MAINLINE	328+75.00	36.00' LT.	329+00.00	26.48' LT.	0.30	513.67	513.59													1		
18-19	MAINLINE	329+00.00	26.48' LT.	329+90.00	26.48' LT.	0.30	513.59	513.32													9		
20-19	MAINLINE	329+90.00	36.00' LT.	329+90.00	26.48' LT.	1.00	513.41	513.32															
19-21	MAINLINE	329+90.00	26.48' LT.	331+75.00	25.91' LT.	0.30	513.32	512.76													10		3
22-21	MAINLINE	331+75.00	37.02' LT.	331+75.00	25.91' LT.	1.00	512.79	512.76													1		
21-23	MAINLINE	331+75.00	25.91' LT.	333+84.95	30.00' LT.	0.55	512.76	511.61													20		6
23-24	MAINLINE	333+84.95	30.00' LT.	334+40.00	26.14' LT.	0.92	512.12	511.61													7		
24A-23A	MAINLINE	334+13.86	39.86' LT.	334+13.11	28.20' LT.	3.51	512.28	511.87															
16-16B	MAINLINE	333+79.02	45.66' RT.	334+15.73	91.46' RT.	0.40	511.42	511.18															
23-26	MAINLINE	333+84.95	30.00' LT.	333+84.95	30.00' LT.	0.30	511.61	511.43					57								60		6
26-25	MAINLINE	333+84.95	30.00' RT.	333+84.96	37.11' RT.	0.30	511.43	511.41					7										
28-26	MAINLINE	334+24.42	27.94' RT.	333+84.95	30.00' RT.	0.30	511.55	511.43													6		
29-28	MAINLINE	335+13.82	26.14' RT.	334+24.45	27.59' RT.	0.30	511.82	511.55													89		
TOTALS													195	15	503	64	72 **	760	408	8 ***	250	286	80



GRATE ELEVATION DETAILS

STORM SEWER - STRUCTURES

STRUCTURE NUMBER	BASELINE	STATION	OFFSET	INLET TYPE B 3' DIA. EACH	MANHOLE TYPE A 4' DIA. EACH	MANHOLE TYPE A 6' DIA. EACH	INLET TYPE B MEDIAN INLET 604106 EACH	TOP OF CURB ELEVATION	INVERT ELEVATION	TOP OF LID ELEVATION	END SECTIONS				CONCRETE STRUCTURES CU YD	REINFORCEMENT BARS POUND	BOX CULVERT END SECTION PAY ITEM NO.	CAST-IN-PLACE RC END SEC		30" EQUIV.			
											TYPE 1 FRAME & CLOSED LID EACH	TYPE 3 FRAME & GRATE EACH	TYPE 8 GRATE EACH	TYPE 24 FRAME & GRATE EACH				24" EACH	30" EACH				
1	MAINLINE	320+91.22	46.46' LT.					522.43	517.37														
2	MAINLINE	322+20.00	27.50' LT.					521.08	516.12			1											
3	MAINLINE	324+50.00	27.50' LT.						514.77			1											
3A	MAINLINE	324+50.00	36.00' LT.	1					515.30				1										
4	MAINLINE	325+86.69	27.50' LT.					520.28	513.97				1										
5	MAINLINE	327+25.00	27.50' LT.					519.47	513.51				1										
6	MAINLINE	327+25.00	35.00' LT.	1					513.58														
7	MAINLINE	327+96.86	27.63' LT.					519.30	513.33	519.03	1												
8	MAINLINE	328+40.69	40.50' RT.					519.38	513.07	518.82	1												
9	MAINLINE	328+50.14	52.03' RT.						513.02														
10	MAINLINE	329+71.15	53.43' RT.					517.06	512.88				1										
11	MAINLINE	331+10.00	34.03' RT.	1					512.88														
12	MAINLINE	331+10.00	50.79' RT.						512.23	516.72	1												
13	MAINLINE	332+10.00	31.64' RT.	1				516.93	512.57				1										
13B	MAINLINE	332+10.00	48.89' RT.						511.93	516.36	1												
13C	MAINLINE	332+10.00	57.00' RT.	1					512.54														
14	MAINLINE	333+27.00	29.21' RT.	1				516.77	512.23														
15	MAINLINE	333+27.00	46.67' RT.						511.58	516.21	1												
16	MAINLINE	333+79.02	45.66' RT.						511.42														
17	MAINLINE	328+75.00	36.00' LT.	1					513.67														
18	MAINLINE	329+00.00	26.48' LT.		1			518.35	513.59														
19	MAINLINE	329+90.00	26.48' LT.		1			517.67	513.32														
20	MAINLINE	329+90.00	36.00' LT.	1					513.41														
21	MAINLINE	331+75.00	25.91' LT.		1			517.11	512.76														
22	MAINLINE	331+75.00	37.02' LT.				1		512.79														
23	MAINLINE	333+84.95	30.00' LT.		1				511.61	515.70	1												
24	MAINLINE	334+40.00	26.14' LT.	1				516.64	512.12				1										
25	MAINLINE	333+84.96	37.11' RT.						511.41														
26	MAINLINE	333+84.95	30.00' RT.		1			516.34	511.43	516.31	1												
27	MAINLINE	333+84.95	44.35' LT.						512.12														
28	MAINLINE	334+24.45	27.59' RT.	1				516.64	511.55				1										1
29	MAINLINE	335+13.82	26.14' RT.	1				516.51	511.82				1										
TOTALS				11	5	6	1					7	12	5	1						1	1	1

- NOTES:
- STATION/OFFSET OF HEADWALL IS REFERENCED TO THE FACE OF THE HEADWALL AT THE CENTERLINE OF THE STORM SEWER/CULVERT. - C.L.S.M. = CONTROLLED LOW-STRENGTH MATERIAL
* - QUANTITIES ARE SHOWN FOR INFORMATION PURPOSES ONLY, CAST-IN-PLACE HEADWALLS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR BOX CULVERTS, END SECTIONS AND FOR CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24" AND 30".
** - PIPE TEE AND CONNECTION TO EXISTING DRAIN PIPE INCLUDED IN PAYMENT FOR 15" HDPE PIPE CULVERT. SEE PLANS FOR LOCATIONS.
*** - REDUCER INCLUDED IN PAYMENT FOR 6'x2' PCBC. SEE PLANS FOR LOCATION.

REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM SEWER SCHEDULES
F.A.P. 103 (IL. RTE. 13/15)
SECTION 27-1R - ST. CLAIR CO.
SCALE: NONE DRAWN BY BKA
DATE February 11, 2005 CHECKED BY RCY