

CITY OF **stillwater**

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA	31595(04)	16		

**SUMMARY OF STORM SEWERS AND DRAINAGE STRUCTURES**

STR. NO.	PLAN SH. NO.	STATION/OFFSET	DESCRIPTION	DESIGN	STORM SEWER DESIGN CRITERIA								STR. INSTALLATION		
					DRAINAGE AREA	CAPTURE "Q"	TOTAL "Q" IN STRUCTURE	BY-PASS "Q"	ELEV. TOP MANHOLE OR GRATE	FLOWLINE IN	FLOWLINE OUT	FLOWLINE IN @ DOWN-STREAM STR. OR DITCH	TRENCH EXCAVATION *	STANDARD BEDDING MATERIAL CLASS A	STANDARD BEDDING MATERIAL CLASS B
					AC	CFS	CFS	CFS	FT	FT	FT	FT	613(V) CY	613(R) CY	613(S) CY
1	23	STA. 36+75.00 39.45' LT WESTERN RD	GPI TYPE 2 W/ 14 L.F. 24" RCP STUB INTO STR. 2	GPI-4, SPI-4, SPB-1, FHTCP-3	9.20	29.10	29.10	0.00	921.00	—	917.89 E	917.25	7.14		5.40
2	23	STA. 36+85.00 26.00' LT WESTERN RD	CICI DES. 2(B) W/ 48 L.F. 30" RCP STUB INTO STR. 3	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.10	0.74	29.82	0.06	922.90	917.25 W	917.25 E	916.75	48.71		30.58
3	23	STA. 36+85.00 26.00' RT WESTERN RD	CICI DES. 2(B) W/ 56 L.F. 30" RCP WITH STD. END SECTION	CI-1, SSIF-4, CIG-3, PCES-4 SPI-4, SPB-1, FHTCP-3	0.15	1.12	30.94	0.17	922.90	916.75 W	916.75 E	914.30	35.19		20.38
4	24	STA. 41+31.71 26.00' LT WESTERN RD	CICI DES. 3(2B) W/ 48 L.F. 18" RCP STUB INTO STR. 5	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	3.04	12.09	12.79	0.00	923.19	—	919.80 E	917.53	20.11		12.60
5	24	STA. 41+31.71 26.00' RT WESTERN RD	CICI DES. 2(STD) W/ 37 L.F. 18" RCP WITH STD. END SECTION	CI-1, SSIF-4, CIG-3, PCES-4 SPI-4, SPB-1, FHTCP-3	0.47	5.48	9.54	0.00	923.19	917.53 W	917.53 E	916.01	23.92		13.40
6A	24	STA. 42+50.00 46.87' LT WESTERN RD	GPI TYPE 2 DES 10 W/ 106 L.F. 58"X36" RCPA WITH STD. END SECTION	GPI-4, SPI-4, SPB-1 FHTCP-3, PCES-4	46.15	83.10	83.10	0.00	920.83	—	917.02 E	916.67	149.80		125.08
6B	24	STA. 43+00.00 35.67' RT WESTERN RD	5' DIA. MANHOLE W/ 20 L.F. 36" RCP WITH STD. END SECTION	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	116.96	0.00	924.59	919.01 N	919.01 E	918.78	44.37		30.16
7	24	STA. 44+70.00 26.00' LT WESTERN RD	CICI DES. 2(D) W/ 48 L.F. 18" RCP STUB INTO STR. 8	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.47	3.82	3.82	0.77	927.40	—	922.50 E	922.28	27.65		12.33
8	24	STA. 44+70.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 24" RCP STUB INTO STR. 9	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	1.04	5.13	8.95	1.53	927.40	922.28 W	922.28 E	921.65	7.27		4.75
9	24	STA. 44+70.00 35.67' RT WESTERN RD	5' DIA. MANHOLE W/ 164 L.F. 36" RCP STUB INTO STR. 6B	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	33.81	—	927.38	921.65 W 921.15 N	920.65 S	919.01	264.70		153.50
10	24	STA. 47+18.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 11	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.81	4.52	4.52	1.55	933.43	—	929.53 E	929.51	4.47		2.47
11	24	STA. 47+18.00 35.67' RT WESTERN RD	4' DIA. MANHOLE W/ 244 L.F. 30" RCP STUB INTO STR. 9	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	24.87	—	934.15	929.51 W 929.01 N	928.51 S	921.15	252.29		158.61
12	24	STA. 49+67.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 13	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.57	3.49	3.49	1.30	937.15	—	933.25 E	933.23	4.47		2.47
13	24	STA. 49+67.00 35.67' RT WESTERN RD	4' DIA. MANHOLE W/ 246 L.F. 24" RCP STUB INTO STR. 11	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	20.34	—	937.87	933.23 W 932.73 N	932.73 S	929.01	202.70		132.00
14	24	STA. 52+15.00 26.00' LT WESTERN RD	CICI DES. 3(B) W/ 48 L.F. 18" RCP STUB INTO STR. 15	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.65	4.79	4.79	0.67	942.87	—	938.95 E	938.73	22.47		12.33
15	24	STA. 52+15.00 26.00' RT WESTERN RD	CICI DES. 3(B) W/ 8 L.F. 18" RCP STUB INTO STR. 16	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.98	5.61	10.40	1.12	942.87	938.73 W	938.73 E	938.71	4.73		2.47

\* FOR INFORMATION ONLY

**SUMMARY OF STORM SEWERS CONT.**

STATION/OFFSET	INLETS											MANHOLES				PIPE											STR. NO.	
	INLET (SMD-TYPE 1)	INLET GPI-TYPE 2 (DES. 6)	INLET GPI-TYPE 2 (DES. 10)	INLET CI DES. 2 (STD)	INLET CI DES. 2 (B)	INLET CI DES. 2 (D)	INLET CI DES. 2 (2B)	INLET CI DES. 3 (STD)	INLET CI DES. 3 (B)	INLET CI DES. 3 (2B)	ADD'L DEPTH IN INLET CI DES. 2	ADD'L DEPTH IN INLET CI DES. 3	MANHOLE (4' DIA.)	MANHOLE (5' DIA.)	ADD'L DEPTH IN MANHOLE (4' DIA.)	ADD'L DEPTH IN MANHOLE (5' DIA.)	MANHOLE FRAME & COVER	18" R.C. PIPE CLASS III	24" R.C. PIPE CLASS III	30" R.C. PIPE CLASS III	36" R.C. PIPE CLASS III	58" X 36" R.C. PIPE ARCH CLASS A-III	18" PREFAB. CULVERT END SEC. ROUND	30" PREFAB. CULVERT END SEC. ROUND	36" PREFAB. CULVERT END SEC. ROUND	58" X 36" PREFAB. CULVERT END SECTION, ARCH		
	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(G) EA	611(H) VF	611(H) VF	611(A) EA	611(A) EA	611(B) VF	611(B) VF	EA	613(A) LF	613(A) LF	613(A) LF	613(A) LF	613(A) LF	613(L) EA	613(L) EA	613(L) EA	613(L) EA		
STA. 36+75.00 39.45' LT WESTERN RD	1																		14									1
STA. 36+85.00 26.00' LT WESTERN RD					1						2.98								48									2
STA. 36+85.00 26.00' RT WESTERN RD					1						3.48								56					1				3
STA. 41+31.71 26.00' LT WESTERN RD									1		0.93								48									4
STA. 41+31.71 26.00' RT WESTERN RD				1							2.99								37					1				5
STA. 42+50.00 46.87' LT WESTERN RD			1																			106					1	6A
STA. 43+00.00 35.67' RT WESTERN RD													1		1.91						20				1			6B
STA. 44+70.00 26.00' LT WESTERN RD						1					2.23								48									7
STA. 44+70.00 26.00' RT WESTERN RD						1					2.45								8									8
STA. 44+70.00 35.67' RT WESTERN RD											1.73		1		1.73	1					164							9
STA. 47+18.00 26.00' RT WESTERN RD						1					1.23								8									10
STA. 47+18.00 35.67' RT WESTERN RD											2.97		1		2.97	1					244							11
STA. 49+67.00 26.00' RT WESTERN RD						1					1.23								8									12
STA. 49+67.00 35.67' RT WESTERN RD											0.14		1		0.14	1					246							13
STA. 52+15.00 26.00' LT WESTERN RD												1.25							48									14
STA. 52+15.00 26.00' RT WESTERN RD									1		1.47								8									15
<b>TOTALS</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>21</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>205</b>	<b>268</b>	<b>348</b>	<b>184</b>	<b>106</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>		

Design		WESTERN ROAD	PAYNE COUNTY
Drawn		<b>SUMMARY OF DRAINAGE STRUCTURES (1)</b> Project No. 31595(04) Sheet No. 11	
Checked			
Approved			
Squad	OLSSON ASSOCIATES		