

SUMMARY OF STORM SEWERS AND DRAINAGE STRUCTURES						STORM SEWER DESIGN CRITERIA							STR. INSTALLATION		
STR. NO.	PLAN SH. NO.	STATION/OFFSET	DESCRIPTION	DESIGN	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
													613(V) CY	613(R) CY	613(S) CY
16	24	STA. 52+15.00 35.67' RT WESTERN RD	4' DIA MANHOLE W/ 242 L.F. 24" RCP STUB INTO STR. 13	MJB-3, MFC-4, FPI-4, SPB-1, FHTCP-3	—	—	16.85	—	943.59	938.71 E 938.71 N	938.21 N	932.73	209.05		130.42
17	25	STA. 54+95.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 18	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.52	3.35	3.35	1.27	951.47	— S	947.57 N	947.55	4.47		2.47
18	25	STA. 54+95.00 35.67' RT WESTERN RD	4' DIA MANHOLE W/ 276 L.F. 18" RCP STUB INTO STR. 16	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	6.45	—	951.83	947.55 E 947.55 N	947.55 S	938.71	152.19		76.99
19	25	STA. 57+35.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 20	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	1.21	3.09	3.09	1.04	959.11	—	955.21 E	955.19	4.47		2.47
20	25	STA. 57+35.00 35.67' RT WESTERN RD	4' DIA MANHOLE W/ 236 L.F. 18" RCP STUB INTO STR. 18	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	3.09	—	959.47	955.19 E	955.19 S	947.55	129.98		65.76
21	25	STA. 65+94.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 22	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	1.75	3.82	3.82	1.40	953.03	—	949.16 E	949.14	3.95		2.19
22	25	STA. 65+94.00 35.67' RT WESTERN RD	4' DIA MANHOLE W/ 246 L.F. 18" RCP STUB INTO STR. 25	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	3.82	—	953.75	949.14 E	949.14 N	940.81	145.09		68.50
23	25	STA. 68+43.00 26.00' LT WESTERN RD	CICI DES. 2(D) W/ 48 L.F. 18" RCP STUB INTO STR. 24	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	0.44	3.72	3.72	0.00	944.92	—	941.05 W	940.83	22.21		12.33
24	25	STA. 68+43.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 25	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	1.95	3.78	7.50	1.37	944.92	940.83 W	940.83 E	940.81	4.67		2.47
25	25	STA. 68+43.00 35.67' LT WESTERN RD	4' DIA MANHOLE W/ 394 L.F. 24" RCP STUB INTO STR. 27	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	11.32	—	945.64	940.81 E 940.81 S	940.31 N	930.55	334.75		210.67
26	25	STA. 72+42.00 26.00' RT WESTERN RD	CICI DES. 2(D) W/ 8 L.F. 18" RCP STUB INTO STR. 27	CI-1, SSIF-4, CIG-3, SPI-4, SPB-1, FHTCP-3	1.69	3.74	3.74	0.72	934.97	—	931.07 N	931.05	4.47		2.47
27	25	STA. 72+42.00 35.67' RT WESTERN RD	4' DIA MANHOLE W/ 52 L.F. 24" RCP STUB INTO STR. 28	MJB-3, MFC-4, SPI-4, SPB-1, FHTCP-3	—	—	15.06	—	935.33	931.05 E 930.55 S	930.55 N	926.75	39.39		20.07

* FOR INFORMATION ONLY

SUMMARY OF STORM SEWERS CONT.																												
STATION/OFFSET	INLETS											MANHOLES						PIPE										STR. NO.
	INLET (SMD-TYPE 1)	INLET GPI-TYPE 2 (DES. 8)	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.) 611(B)	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(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. 52+15.00 35.67' RT WESTERN RD													1		0.38		1											16
STA. 54+95.00 26.00' RT WESTERN RD						1					1.23								8									17
STA. 54+95.00 35.67' RT WESTERN RD													1				1		276									18
STA. 57+35.00 26.00' RT WESTERN RD						1					1.23								8									19
STA. 57+35.00 35.67' RT WESTERN RD																			236					1				20
STA. 65+94.00 26.00' RT WESTERN RD						1					1.20								8									21
STA. 65+94.00 35.67' RT WESTERN RD													1				1		246									22
STA. 68+43.00 26.00' LT WESTERN RD						1					1.20								48									23
STA. 68+43.00 26.00' RT WESTERN RD						1					1.42								8									24
STA. 68+43.00 35.67' LT WESTERN RD													1		0.33		1		394									25
STA. 72+42.00 26.00' RT WESTERN RD						1					1.23								8									26
STA. 72+42.00 35.67' RT WESTERN RD													1				1		52									27
TOTALS	0	0	0	0	0	6	0	0	0	0	8	0	4	0	0	0	4	846	446	0	0	0	0	0	0	1	0	

Design		WESTERN ROAD	PAYNE COUNTY
Drawn		SUMMARY OF DRAINAGE STRUCTURES (2) Project No. 31595(04) Sheet No. 12	
Checked			
Approved			
Squad	OLSSON ASSOCIATES		