12/06/07

COMPUTED BY:	AMK	DATE:	3/2/2026
CHECKED BY:	CAH	DATE:	3/3/2026

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

LINE & STATION	OFFSET		STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	% MINIMUM REQUIRED SLOPE
SHEET 10								
- L3- 97+37.46		RT	1013	1014		3085.7	3085.6	0.5%
- L3- 99+50.72	17	RT	1020		3089.4			
- L3- 99+50.72		RT	1020	1021		3086.4	3086.1	0.5%
- L3- 98+71.54	17	RT	1021		3089.5			
- L3- 98+71.54		RT	1021	1015		3086.1	3085.7	0.4%
- L3- 98+71.51	-17	LT	1015		3088.7			
- L3- 98+71.51		LT	1015	1022		3085.7	3085.4	0.5%
- L3- 98+11.25	-17	LT	1022		3088.4			
- L3- 98+11.25		LT	1022	1014		3085.4	3085.1	0.5%
- L3- 97+37.47	-17	LT	1014		3089.0			
- L3- 97+37.47		LT	1014	1018		3084.9	3084.1	0.6%
-L3- 89+15.98	37	RT	1009					
- L3- 94+00.00	-17	LT	1011		3094.2			
- L3- 94+00.00		LT	1011	1008		3091.1	3090.8	0.4%
SHEET 11								
- DR101_2- 13+25.00		RT	1110	1115		3118.2	3111.1	4.2%
- L3- 105+20.00	53	RT	1115		3115.4			
- L3- 105+20.00		RT	1115	1118		3110.0	3109.9	0.5%
- DR101_2- 13+25.21		LT	1117	1118		3117.5	3112.0	2.1%
- L3- 104+97.00	45	RT	1118		3116.9			
- L3- 104+97.00		RT	1118	1105		3109.9	3108.7	0.5%
- L3- 104+90.00	-33	LT	1116		3112.9			
- L3- 104+90.00		LT	1116	1104		3109.9	3108.3	0.5%
- L3- 104+50.00	-29	LT	1104		3111.3			
- L3- 104+50.00		LT	1104	1105		3108.3	3108.0	0.5%
- L3- 104+50.00	41	RT	1105		3112.5			
- L3- 104+50.00		RT	1105	1107		3107.3	3094.8	0.6%
- L3- 102+50.00	28	RT	1107		3098.6			
- L3- 102+50.00		RT	1107	1102		3094.8	3090.4	0.6%
- L2- 81+52.19	1237	RT	1120		3110.4			
- L2- 81+52.19		RT	1120	1119		3089.3	3087.6	0.8%
- L3- 100+49.16	17	RT	1119		3090.6			
- L3- 100+49.16		RT	1119	1102		3087.4	3087.0	0.6%
- L3- 101+50.00	18	RT	1102		3094.2			
- L3- 101+50.00		RT	1102	1101		3085.5	3085.3	0.4%
- L3- 101+50.00	-22	LT	1101		3096.5			
- L3- 101+50.00		LT	1101	1108		3085.3	3083.9	1.5%
SHEET TOTALS								
PROJECT TOTALS								

LINE & STATION (SIZE / THICKNESS OR GAUGE)	SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, PP or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE, PP, OR PVC	C.S. PIPE 15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109
SHEET 10																			
- L3- 97+37.46																			
- L3- 99+50.72																			
- L3- 99+50.72																			
- L3- 98+71.54																			
- L3- 98+71.54																			
- L3- 98+71.51																			
- L3- 98+71.51																			
- L3- 98+11.25																			
- L3- 98+11.25																			
- L3- 97+37.47																			
- L3- 97+37.47																			
-L3- 89+15.98			72																
- L3- 94+00.00																			
- L3- 94+00.00																			
SHEET 11																			
- DR101_2- 13+25.00														16					
- L3- 105+20.00																			
- L3- 105+20.00																			
- DR101_2- 13+25.21													24						
- L3- 104+97.00																			
- L3- 104+97.00																			
- L3- 104+90.00																			
- L3- 104+90.00																			
- L3- 104+50.00																			
- L3- 104+50.00																			
- L3- 104+50.00																			
- L3- 104+50.00																			
- L3- 102+50.00																			
- L3- 102+50.00																			
- L2- 81+52.19																			
- L2- 81+52.19																			
- L3- 100+49.16																			
- L3- 100+49.16																			
- L3- 101+50.00																			
- L3- 101+50.00																			
- L3- 101+50.00																			
- L3- 101+50.00																	52		
SHEET TOTALS	0	0	72	0	0	0	0	0					24	16	0	0	52	0	0
PROJECT TOTALS	0	1204	368	188	16	0	0	0					740	16	12	76	52	0	0

LINE & STATION	R.C. PIPE CLASS III 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS IV 15"	18"	24"	30"	36"	42"	48"	PIPE AS NOTED 6" HDPE	15" RCP-V	36" WELDED STEEL, IN SOIL	36" WELDED STEEL, NOT IN SOIL	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.
SHEET 10																				
- L3- 97+37.46		32																		
- L3- 99+50.72																				
- L3- 99+50.72		80																		
- L3- 98+71.54																				
- L3- 98+71.54		32																		
- L3- 98+71.51																				
- L3- 98+71.51	56																			
- L3- 98+11.25																				
- L3- 98+11.25	72																			
- L3- 97+37.47																				
- L3- 97+37.47		32																		
-L3- 89+15.98																				
- L3- 94+00.00																				
- L3- 94+00.00								84												
SHEET 11																				
- DR101_2- 13+25.00																				
- L3- 105+20.00																				
- L3- 105+20.00			24																	
- DR101_2- 13+25.21																				
- L3- 104+97.00																				
- L3- 104+97.00			48																	
- L3- 104+90.00																				
- L3- 104+90.00	40																			
- L3- 104+50.00																				
- L3- 104+50.00	68																			
- L3- 104+50.00																				
- L3- 104+50.00			192																	
- L3- 102+50.00																				
- L3- 102+50.00			96																	
- L2- 81+52.19																				
- L2- 81+52.19	16																			
- L3- 100+49.16																				
- L3- 100+49.16		96																		
- L3- 101+50.00																				
- L3- 101+50.00					40															
- L3- 101+50.00																				
- L3- 101+50.00																				
SHEET TOTALS	252	272	360	0	40	0	0	84	0	0	0	0	0	0	0	0	0	0	0	0
PROJECT TOTALS	1416	1148	768	792	112	152	0	2148	552	248	324	544	124	0	24	48	62	62	15.6	0

LINE & STATION	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B') LIN. FT. A 5.0' THRU 10.0'	B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN
SHEET 10									
- L3- 97+37.46									
- L3- 99+50.72	1			1			1		
- L3- 99+50.72									
- L3- 98+71.54	1			1	1				
- L3- 98+71.54									
- L3- 98+71.51	1			1	1				
- L3- 98+71.51									
- L3- 98+11.25	1			1			1		
- L3- 98+11.25									
- L3- 97+37.47	1			1			1		
- L3- 97+37.47									
-L3- 89+15.98									
- L3- 94+00.00	1			1		1			
- L3- 94+00.00									
SHEET 11									
- DR101_2- 13+25.00									
- L3- 105+20.00	1	0.4							
- L3- 105+20.00									
- DR101_2- 13+25.21									
- L3- 104+97.00	1	2.1							
- L3- 104+97.00									
- L3- 104+90.00	1			1		1			
- L3- 104+90.00									
- L3- 104+50.00	1			1		1			
- L3- 104+50.00									
- L3- 104+50.00	1	0.2		1			1		
- L3- 104+50.00									
- L3- 102+50.00	1			1			1		
- L3- 102+50.00									
- L2- 81+52.19	1	5.0	11.2						
- L2- 81+52.19									
- L3- 100+49.16	1			1			1		
- L3- 100+49.16									
- L3- 101+50.00	1	3.8		1			1		
- L3- 101+50.00									
- L3- 101+50.00	1	5.0	1.3	1		1			
- L3- 101+50.00									
SHEET TOTALS	16	16.5	12.5	13	2	4	7	0	0
PROJECT TOTALS	148	145.4	74.1	50	7	23	20	4	0
	SAY	241.7							

LINE & STATION	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR 840.26	G.D.I. TYPE "B" STD. 840.18 OR 840.27	G.D.I. TYPE "D" STD. 840.19 OR 840.28	G.D.I. FRAME WITH TWO FLAT GRATES STD. 840.20	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	G.D.I. (N.S.) FR. WITH TWO FLAT GRATES. STD. 840.29	J.B. STD. 840.31 OR 840.32	TBJB STD. 840.34	T.B.D.I. STD. 840.35	STEEL GRATE AND FRAME STD. 840.37	SPRING BOX STD. 840.41	M.H. FRAME AND COVER STD. 840.54	PIPE COLLAR	ADJUST CB	ADJUST DI	BERM DRAINAGE OUTLET STD. (4" CONCRETE PAVED DITCH)	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE	ENERGY DISSIPATOR, SEE DETAIL 2C-7	FLOWABLE FILL (CY)
SHEET 10																						
- L3- 97+37.46																						
- L3- 99+50.72																						
- L3- 99+50.72																						
- L3- 98+71.54																						
- L3- 98+71.54																						
- L3- 98+71.51																						
- L3- 98+71.51																						
- L3- 98+11.25																						
- L3- 98+11.25																						
- L3- 97+37.47																						
- L3- 97+37.47																					1	
-L3- 89+15.98																						
- L3- 94+00.00																						
- L3- 94+00.00																						
SHEET 11																						
- DR101_2- 13+25.00																						
- L3- 105+20.00			1					1														
- L3- 105+20.00																						
- DR101_2- 13+25.21																						
- L3- 104+97.00										1					1							
- L3- 104+97.00																						
- L3- 104+90.00																						
- L3- 104+90.00																						
- L3- 104+50.00																						
- L3- 104+50.00																						
- L3- 104+50.00																						
- L3- 104+50.00																						
- L3- 102+50.00																						
- L3- 102+50.00																						
- L2- 81+52.19				1				1														
- L2- 81+52.19																						
- L3- 100+49.16																						
- L3- 100+49.16																						
- L3- 101+50.00																						
- L3- 101+50.00																						
- L3- 101+50.00																						
- L3- 101+50.00																					1	
SHEET TOTALS	0	0	1	1	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0	2	0
PROJECT TOTALS	4	4	8	45	10	0	0	47	24	21	7	7	0	1	27	0	0	0	22	11	4	39

LINE & STATION	C.S. PIPE ELBOWS	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
SHEET 10					
- L3- 97+37.46					
- L3- 99+50.72					
- L3- 99+50.72					
- L3- 98+71.54					
- L3- 98+71.54					
- L3- 98+71.51					
- L3- 98+71.51					
- L3- 98+11.25					
- L3- 98+11.25				40	
- L3- 97+37.47					
- L3- 97+37.47					
-L3- 89+15.98					Driveway pipe
- L3- 94+00.00					
- L3- 94+00.00					
SHEET 11					
- DR101_2- 13+25.00	2 @ 18				
- L3- 105+20.00					
- L3- 105+20.00					
- DR101_2- 13+25.21	2 @ 15				
- L3- 104+97.00					
- L3- 104+97.00					
- L3- 104+90.00					
- L3- 104+90.00					
- L3- 104+50.00					
- L3- 104+50.00					
- L3- 104+50.00					
- L3- 104+50.00					
- L3- 102+50.00					
- L3- 102+50.00					
- L2- 81+52.19					Sp. Det. Extra depth 2GI
- L2- 81+52.19					
- L3- 100+49.16					
- L3- 100+49.16					
- L3- 101+50.00					
- L3- 101+50.00					
- L3- 101+50.00					
- L3- 101+50.00	2 @ 36				
	28 @ 15"				
	8 @ 18"				
	2 @ 24"				
SHEET TOTALS	2 @ 30"	0	0	40	
PROJECT TOTALS	2 @ 36"	0	0	3332	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I.(N.S.)	(NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

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