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 9								
- L2- 33+06.45	17	RT	913		3135.3			
- L2- 33+06.45		RT	913	910		3132.3	3131.9	0.5%
- L2- 76+00.00	39	RT	911		3140.1			
- L2- 76+00.00		RT	911	910		3137.4	3131.9	1.7%
- L2- 76+25.53	17	RT	910		3134.9			
- L2- 76+25.53		RT	910	907		3131.9	3129.5	0.6%
- Y10- 10+75.00	-13	LT	908		3137.4			
- Y10- 10+75.00		LT	908	906		3134.7	3128.6	0.5%
- L2- 73+60.00	31	RT	906		3131.4			
- L2- 73+60.00		RT	906	907		3128.4	3128.3	0.6%
- L2- 73+60.00	17	RT	907		3132.5			
- L2- 73+60.00		RT	907	902		3128.3	3126.7	0.9%
- L2- 72+13.00	33	RT	903		3127.4			
- L2- 72+13.00		RT	903	902		3117.7	3117.6	0.5%
- L2- 72+00.00	17	RT	902		3131.1			
- L2- 72+00.00		RT	902	901		3117.6	3117.4	0.6%
- L2- 72+00.00	-17	LT	901		3129.3			
- L2- 72+00.00		LT	901	827		3117.4	3116.8	0.6%
- L2- 78+24.73	17	RT	934		3135.1			
- L2- 78+24.73		RT	934	935		3130.1	3127.0	0.5%
- L2- 80+25.00	25	RT	935		3132.0			
- L2- 80+25.00		RT	935	914		3127.0	3125.9	0.5%
- L2- 80+62.89	38	RT	914		3130.9			
- L2- 80+62.89		RT	914	915		3125.9	3125.7	0.5%
- L2- 80+62.89	-1	LT	915		3131.7			
- L2- 80+62.89		LT	915	916		3125.7	3125.5	0.5%
- L2- 80+62.89	-48	LT	916		3132.5			
- L2- 80+62.89		LT	916	941		3125.5	3119.3	0.5%
- RAB3- 10+90.26	23	RT	918		3130.3			
- RAB3- 10+90.26		RT	918	919		3125.4	3123.3	0.5%
- L3- 82+28.76	23	RT	919		3128.3			
- L3- 82+28.76		RT	919	920		3123.3	3123.2	0.5%
- L3- 82+28.76	3	RT	920		3129.1			
- L3- 82+28.76		RT	920	921		3123.2	3123.1	0.5%
- L3- 82+28.76	-20	LT	921		3129.5			
- L3- 82+28.76		LT	921	922		3123.1	3122.7	0.5%
- Y11- 15+00.00	-34	LT	922		3130.9			
- Y11- 15+00.00		LT	922	923		3122.7	3122.6	0.5%
- Y11- 14+66.85	-22	LT	923		3129.6			
- Y11- 14+66.85		LT	923	924		3122.6	3122.5	0.5%
- Y11- 14+66.85	-1	LT	924		3129.7			
- Y11- 14+66.85		LT	924	925		3122.5	3122.4	0.5%
- Y11- 14+66.85	21	RT	925		3129.2			
- Y11- 14+66.85		RT	925	927		3122.4	3114.5	2.3%
-Y11- 11+01.22	21	RT	939			3114.9	3110.0	0.6%
-Y11- 12+83.01	24	RT	940					
SHEET TOTALS								

SIDE DRAIN PIPE (RCP, CSP, CAAP, HDPE, PP or PVC) and C.S. PIPE (SIZE / THICKNESS OR GAUGE)

LINE & STATION	SD 12"	SD 15"	SD 18"	SD 24"	SD 30"	SD 36"	SD 42"	SD 48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE, PP, OR PVC	C.S. 15" .064	C.S. 18" .064	C.S. 24" .064	C.S. 30" .079	C.S. 36" .079	C.S. 42" .109	C.S. 48" .109
- L2- 76+00.00 (911–910)													32						
- Y11- 14+66.85 (925–927)													32						
-Y11- 12+83.01 (940)			56																
SHEET TOTALS	0	0	56	0	0	0	0	0					64	0	0	0	0	0	0

R.C. PIPE CLASS III, R.C. PIPE CLASS IV, PIPE AS NOTED, ENDWALLS (STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE), CU. YARDS)

LINE & STATION	III 15"	III 18"	III 24"	III 30"	III 36"	III 42"	III 48"	IV 15"	IV 18"	IV 24"	IV 30"	IV 36"	IV 42"	IV 48"	6" HDPE	15" RCP-V	36" WELDED STEEL, IN SOIL	36" WELDED STEEL, NOT IN SOIL	R.C.P.	C.S.P.
- L2- 33+06.45 (913–910)								56												
- L2- 76+25.53 (910–907)								264												
- Y10- 10+75.00 (908–906)	72																			
- L2- 73+60.00 (906–907)		12																		
- L2- 73+60.00 (907–902)									160											
- L2- 72+13.00 (903–902)					20															
- L2- 72+00.00 (902–901)												32								
- L2- 72+00.00 (901–827)												88								
- L2- 78+24.73 (934–935)								200												
- L2- 80+25.00 (935–914)								40												
- L2- 80+62.89 (914–915)								40												
- L2- 80+62.89 (915–916)								48												
- L2- 80+62.89 (916–941)	112																			
- RAB3- 10+90.26 (918–919)								104												
- L3- 82+28.76 (919–920)								20												
- L3- 82+28.76 (920–921)								20												
- L3- 82+28.76 (921–922)								92												
- Y11- 15+00.00 (922–923)								36												
- Y11- 14+66.85 (923–924)								20												
- Y11- 14+66.85 (924–925)								20												
-Y11- 11+01.22 (939)		100																		
SHEET TOTALS	184	112	0	0	20	0	0	960	160	0	0	120	0	0	0	0	0	0	0	0

QUANTITIES FOR DRAINAGE STRUCTURES; *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B'); FRAME, GRATES, AND HOOD STANDARD 840.03; CONCRETE TRANSITIONAL SECTION

LINE & STATION	PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	C.B. STD. 840.01 OR STD. 840.02	TYPE OF GRATE E	F	G	DROP INLET	CATCH BASIN
- L2- 33+06.45 (913)	1			1		1			
- L2- 76+00.00 (911)	1								
- L2- 76+25.53 (910)	1			1		1			
- Y10- 10+75.00 (908)	1								
- L2- 73+60.00 (906)	1								
- L2- 73+60.00 (907)	1			1		1			
- L2- 72+13.00 (903)	1	4.7							
- L2- 72+00.00 (902)	1	5.0	3.5	1			1		
- L2- 72+00.00 (901)	1	5.0	2.0	1		1			
- L2- 78+24.73 (934)	1			1	1				
- L2- 80+25.00 (935)	1			1		1			
- L2- 80+62.89 (914)	1	0.1		1	1				
- L2- 80+62.89 (915)	1	1.0						1	
- L2- 80+62.89 (916)	1	2.0							
- RAB3- 10+90.26 (918)	1			1	1				
- L3- 82+28.76 (919)	1			1		1			
- L3- 82+28.76 (920)	1	1.0						1	
- L3- 82+28.76 (921)	1	1.5		1			1		
- Y11- 15+00.00 (922)	1	3.2		1		1			
- Y11- 14+66.85 (923)	1	2.1		1		1			
- Y11- 14+66.85 (924)	1	2.2						1	
- Y11- 14+66.85 (925)	1	1.8		1			1		
SHEET TOTALS	22	29.6	5.5	14	3	8	3	3	0

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)
- L2- 76+00.00 (911)				1				1														
- Y10- 10+75.00 (908)				1				1														
- L2- 73+60.00 (906)				1				1														
- L2- 72+13.00 (903)				1				1														
- L2- 72+00.00 (902–901)																						6.7
- L2- 80+62.89 (915)									1			1										
- L2- 80+62.89 (916)											1				1					1		
- L3- 82+28.76 (920)									1			1										
- Y11- 14+66.85 (924)									1			1										
SHEET TOTALS	0	0	0	4	0	0	0	4	3	0	1	3	0	0	1	0	0	0	0	1	0	6.7

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
- L2- 33+06.45 (913)					T0913: See PSH 2C-10
- L2- 76+00.00 (911–910)	2 @ 15				
- L2- 80+62.89 (916)					See PSH 2C-10
- Y11- 15+00.00 (922–923)				22	
- Y11- 14+66.85 (924–925)				56	
- Y11- 14+66.85 (925–927)	2 @ 15			38	
-Y11- 11+01.22 (939)					Driveway pipe
-Y11- 12+83.01 (940)				42	Driveway pipe
SHEET TOTALS	4 @ 15	0	0	158	

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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