PROJECT REFERENCE NO.	SHEET NO.
U-5810	3D-5

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 / SIZE / THICKNESS OR GAUGE	OFFSET		STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	% MINIMUM REQUIRED SLOPE	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
SHEET 7																				
- L- 44+13.50	-41	LT	701		3172.3															
- L- 44+13.50		LT	701	705		3168.5	3157.3	0.6%												
- DR4- 11+40.00		LT	702	703		3177.0	3167.5	4.0%												
- L- 45+33.00		LT	704	707		3155.8	3147.1	0.4%												
- L- 45+50.00	50	RT	707		3152.0															
- L- 45+50.00		RT	707	706		3147.1	3147.0	0.4%												
- DR8- 12+65.58		LT	708	709		3144.5	3143.6	0.4%												
- L- 44+54.15		RT	739	740		3152.2	3152.0	0.5%												
- L- 47+41.02		LT	710	711		3148.0	3146.0	0.5%												
- L- 49+00.00	-20	LT	714		3146.9															
- L- 49+00.00		LT	714	715		3142.7	3142.1	0.5%												
- L- 48+65.00		LT	712	744		3141.6	3134.9	0.4%												
- L- 48+15.00		RT	743	744		3138.7	3134.9	0.5%												
- L- 48+90.14	43	RT	744		3139.8															
- L- 48+90.14		RT	744	745		3134.9	3127.2	0.8%												
- L- 51+25.00	71	RT	745		3132.1															
- L- 51+25.00		RT	745	746		3121.1	3121.0	0.5%												
- L- 50+50.00	-20	LT	717		3148.9															
- L- 50+50.00		LT	717	718		3146.2	3130.9	1.9%												
-DR9- 11+50.00	1	RT	716							48										
- Y6- 10+95.00		LT	719	720		3122.5	3118.0	0.6%												
- Y8A- 12+96.00		LT	741	742		3151.8	3146.0	2.1%												
- Y8A- 12+39.00	-14	LT	742		3149.6															
- Y8A- 12+39.00		LT	742	742A		3143.7	3143.0	0.7%												
- Y8A- 12+60.14		RT	737	737A		3146.3	3143.0	0.7%												
- Y8- 10+57.92		RT	723	748		3136.1	3136.0	0.6%												
- L2- 55+48.00		RT	729	736		3129.0	3121.4	1.9%												
- L2- 55+41.58	-59	LT	736		3125.9															
- L2- 55+41.58		LT	736	728		3120.2	3120.0	0.5%												
- L2- 56+25.00	-20	LT	732		3131.4															
- L2- 56+25.00		LT	732	733		3129.2	3123.8	1.8%												
- L2- 57+98.72	24	RT	730		3136.5															
- L2- 57+98.72		RT	730	735		3133.7	3130.6	0.5%												
- L2- 57+50.00	25	RT	735		3134.3															
- L2- 57+50.00		RT	735	731		3130.6	3130.4	0.4%												
- L2- 56+91.99	29	RT	731		3133.3															
- L2- 56+91.99		RT	731	734		3130.1	3129.8	0.7%												
-L2- 55.71.07	54	RT	713							48										
- Y8- 11+60.79	-19	LT	747		3151.4															
- Y8- 11+60.79		LT	747	724		3148.7	3135.6	1.9%												
- DR16- 10+50.00	16	RT	724		3138.4															
- DR16- 10+50.00		RT	724	722		3135.4	3133.5	0.5%												
SHEET TOTALS									0	48	48	0	0	0	0	0				

LINE & STATION	C.S. PIPE 15"	18"	24"	30"	36"	42"	48"	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, NOT IN SOIL	36" WELDED STEEL, NOT IN SOIL
	.064	.064	.064	.079	.079	.109	.109																		
SHEET 7																									
- L- 44+13.50																									
- L- 44+13.50								116																	
- DR4- 11+40.00															48										
- L- 45+33.00																		88							
- L- 45+50.00																									
- L- 45+50.00											28														
- DR8- 12+65.58																		52							
- L- 44+54.15																						24			
- L- 47+41.02																	64								
- L- 49+00.00																									
- L- 49+00.00								32																	
- L- 48+65.00																		84							
- L- 48+15.00											72														
- L- 48+90.14																									
- L- 48+90.14											220														
- L- 51+25.00																									
- L- 51+25.00												16													
- L- 50+50.00																									
- L- 50+50.00	68																								
-DR9- 11+50.00																									
- Y6- 10+95.00															100										
- Y8A- 12+96.00	52																								
- Y8A- 12+39.00																									
- Y8A- 12+39.00																			20						
- Y8A- 12+60.14																			104						
- Y8- 10+57.92								12																	
- L2- 55+48.00																							62	62	
- L2- 55+41.58																									
- L2- 55+41.58																		24							
- L2- 56+25.00																									
- L2- 56+25.00	40																								
- L2- 57+98.72																									
- L2- 57+98.72															48										
- L2- 57+50.00																									
- L2- 57+50.00															60										
- L2- 56+91.99																									
- L2- 56+91.99																32									
-L2- 55.71.07																									
- Y8- 11+60.79																									
- Y8- 11+60.79	60																								
- DR16- 10+50.00																									
- DR16- 10+50.00								76																	
SHEET TOTALS	220	0	0	0	0	0	0	148	88	0	320	16	0	0	108	180	64	224	24	124	0	24	0	62	62

LINE & STATION	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YARDS R.C.P.	C.S.P.	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	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 "S" 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	TB.JB 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)	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 7																																									
- L- 44+13.50			1												1																										
- L- 44+13.50																																									
- DR4- 11+40.00																																								79	
- L- 45+33.00	2.3																																								
- L- 45+50.00			1															1				1																			
- L- 45+50.00																																									
- DR8- 12+65.58																																									
- L- 44+54.15																												1													
- L- 47+41.02																																								38	
- L- 49+00.00			1												1																										
- L- 49+00.00																																									
- L- 48+65.00																																								63	
- L- 48+15.00																																									
- L- 48+90.14			1															1				1																			
- L- 48+90.14																																									
- L- 51+25.00			1	5.0	1.0													1				1																			
- L- 51+25.00																																								178	
- L- 50+50.00			1												1																										
- L- 50+50.00																																						2 @ 15			
-DR9- 11+50.00																																									Driveway pipe
- Y6- 10+95.00																																								99	
- Y8A- 12+96.00																																						2 @ 15		60	
- Y8A- 12+39.00			1	0.9														1				1																			
- Y8A- 12+39.00																																									
- Y8A- 12+60.14	6																																							50	
- Y8- 10+57.92																																									
- L2- 55+48.00	2.8																																	8.2						59	
- L2- 55+41.58			1	0.8														1				1																			
- L2- 55+41.58																																									
- L2- 56+25.00			1			1			1																																
- L2- 56+25.00																																						2 @ 15			
- L2- 57+98.72			1												1																										
- L2- 57+98.72																																								44	
- L2- 57+50.00			1												1																										
- L2- 57+50.00																																									
- L2- 56+91.99			1												1																										
- L2- 56+91.99																																								23	
-L2- 55.71.07																																									Driveway pipe
- Y8- 11+60.79			1												1																										
- Y8- 11+60.79																																						2 @ 15			
- DR16- 10+50.00			1												1																										
- DR16- 10+50.00																																									
SHEET TOTALS	11.1	0	14	6.7	1.0	1	0	0	1	0	0	0	0	0	8	0	0	0	6	2	5	0	0	0	1	5	0	0	0	0	0	0	8.2	8 @ 15		0		0	693	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLE
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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