12/06/07

PROJECT REFERENCE NO.	SHEET NO.
U-5810	3D-2

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
TMP PHASE 1																				
- L- 53+53.53		RT	T001	T002		3124.2	3119.3	0.5%		60										
- L- 53+14.66	36	RT	T002		3127.0															
- L- 53+14.66	36	RT	T002	T003		3119.3	3117.0	0.4%		112										
- Y11_DET- 14+00.00		LT	T0816																	
- Y11_DET- 14+00.00		LT	T0811																	
- L2- 66+22.37	21	RT	T008		3123.3															
- L2- 66+22.37	21	RT	T008	829		3121.4	3121.3	0.4%		20										
- L2- 67+55.00	22	RT	T007		3124.8															
- L2- 67+55.00		RT	T007	T006		3122.8	3122.4	0.4%		12										
- L- 53+53.53	-1224	LT	T006		3126.0															
- L2- 72+13.04	33	RT	T0903		3127.4															
- L2- 72+13.04	33	RT	T0903	T009		3123.9	3123.3	2.5%				16								
- L2- 72+10.14	15	RT	T009		3130.6															
- L2- 73+58.52		RT	T0907																	
- L2- 73+58.52		RT	T0910																	
- L- 11+03.28		RT	T004																	
- L3- 93+25.61		LT	T010		3095.8															
- L3- 96+20.32	-5	LT	T012		3089.6															
- L3- 99+46.92	-6	LT	T014		3089.0															
- L3- 99+46.92	-6	LT	T014	T022		3086.3	3085.9	0.5%		72										
- Y11_DET- 14+00.00		LT	T022		3089.9															
- Y11_DET- 14+00.00	-8	LT	T022	T011		3085.8	3085.0	0.6%		120										
- L3- 97+47.90	-5	LT	T011		3089.0															
- L3- 96+20.32		LT	T012	T011		3085.5	3085.0	0.5%		124										
- L3- 102+56.95		LT	T017		3093.0															
- L3- 102+56.95	-43	LT	T017	T016		3089.5	3087.6	0.5%				64								
- L3- 101+96.40		LT	T016		3091.1															
- L3- 101+96.40	-29	LT	T016	T015		3087.6	3086.6	1.5%				48								
- L3- 101+50.65	-19	LT	T015		3090.6															
TMP PHASE 2																				
- L3- 93+14.30		RT	T1016		3098.8															
- L3- 93+14.41		LT	T018		3096.0															
- L3- 93+14.41	-8	LT	T018	T010		3093.2	3093.0	0.5%		8										
- L3- 96+06.27	25	RT	T019		3089.4															
- L3- 96+06.66	17	RT	T1012		3089.5															
- L3- 96+06.27	25	RT	T019	T1012		3086.7	3086.5	0.5%		8										
- L3- 96+39.21		RT	T1025		3089.6															
- L3- 97+37.47	15	RT	T1013		3090.0															
- L3- 97+37.48		LT	T020		3089.6															
- L3- 97+37.48	-5	LT	T020	T020A		3085.6	3085.0	0.5%			8									
- L3- 99+50.72		RT	T021		3089.6															
- L3- 99+50.72	25	RT	T021	T1020		3085.9	3085.9	0.5%		8										
- L3- 99+50.72	17	RT	T1020		3089.4															
- L3- 99+50.72	17	RT	T1021		3089.4															
- L3- 100+49.16		RT	T1119		3090.6															
- Y11_DET- 14+00.00	28	LT	T023		3093.3															
- Y11_DET- 14+00.00	28	LT	T023	T1102		3089.8	3089.5	0.6%				12								
- L3- 101+49.98	-3	LT	T024		3095.7															
- L3- 101+49.98	-3	LT	T024	T024A		3086.7	3086.6	0.6%					16							
TMP TOTALS									0	544	8	140	16	0	0	0				

LINE & STATION	C.S. PIPE 15" (.064)	18" (.064)	24" (.064)	30" (.079)	36" (.079)	42" (.109)	48" (.109)	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.
TMP TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LINE & STATION	FROM	TO	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 "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)	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
TMP PHASE 1																																						
- L- 53+53.53	T001	T002																																			60	
- L- 53+14.66	T002		1	2.8											1				1																			
- L- 53+14.66	T002	T003																																			112	
- Y11_DET- 14+00.00	T0816																														1							See PSH 2C-10
- Y11_DET- 14+00.00	T0811																														1							See PSH 2C-10
- L2- 66+22.37	T008		1													1			1																			
- L2- 66+22.37	T008	829																																			20	
- L2- 67+55.00	T007		1													1			1																			
- L2- 67+55.00	T007	T006																																			12	
- L- 53+53.53	T006		1																			1				1												
- L2- 72+13.04	T0903		1												1				1																			
- L2- 72+13.04	T0903	T009																																				
- L2- 72+10.14	T009		1	5.0	1.3																	1				1												
- L2- 73+58.52	T0907																														1							See PSH 2C-10
- L2- 73+58.52	T0910																														1							See PSH 2C-10
- L- 11+03.28	T004																				1					1												
- L3- 93+25.61	T010		1												1					1																		
- L3- 96+20.32	T012		1												1					1																		
- L3- 99+46.92	T014		1												1					1																		
- L3- 99+46.92	T014	T022																																				
- Y11_DET- 14+00.00	T022		1													1			1																			
- Y11_DET- 14+00.00	T022	T011														1			1																			
- L3- 97+47.90	T011		1													1				1																		
- L3- 96+20.32	T012	T011																																				
- L3- 102+56.95	T017		1												1				1																			
- L3- 102+56.95	T017	T016																																				
- L3- 101+96.40	T016		1												1				1																			
- L3- 101+96.40	T016	T015																																				
- L3- 101+50.65	T015		1												1					1																		
TMP PHASE 2																																						
- L3- 93+14.30	T1016																														1							See PSH 2C-10
- L3- 93+14.41	T018		1												1					1																		
- L3- 93+14.41	T018	T010																																				
- L3- 96+06.27	T019		1																	1			1															
- L3- 96+06.66	T1012																														1							See PSH 2C-10
- L3- 96+06.27	T019	T1012																																				
- L3- 96+39.21	T1025																														1							See PSH 2C-10
- L3- 97+37.47	T1013																																					
- L3- 97+37.48	T020		1																		1					1												
- L3- 97+37.48	T020	T020A																																				
- L3- 99+50.72	T021		1																	1			1															
- L3- 99+50.72	T021	T1020																																				
- L3- 99+50.72	T1020																														1							See PSH 2C-10
- L3- 99+50.72	T1021																														1							See PSH 2C-10
- L3- 100+49.16	T1119																														1							See PSH 2C-10
- Y11_DET- 14+00.00	T023		1													1			1				1															
- Y11_DET- 14+00.00	T023	T1102														1																						
- L3- 101+49.98	T024		1																		1					1												
- L3- 101+49.98	T024	T024A																																				
TMP TOTALS			20	7.8	1.3	0	0	0	0	0	0	0	0	0	9	7	0	0	9	8	3	2	3	0	0	5	0	0	0	0	10	0	0		0	0	204	

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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