12/06/07

PROJECT REFERENCE NO.	SHEET NO.
U-5810	3D-8

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								
- DR25- 10+20.00	-12	LT	936		3128.3			
- DR25- 10+20.00		LT	936	937		3126.0	3116.9	0.5%
- DR24- 10+59.00	19	RT	937		3119.2			
- DR24- 10+59.00		RT	937	938		3115.3	3110.0	0.5%
- Y11- 12+10.00		RT	928	929		3104.4	3101.6	4.3%
- Y11- 11+95.00	15	RT	929		3105.5			
- Y11- 11+95.00		RT	929	932		3101.6	3100.2	1.1%
- Y11- 11+65.00	15	RT	932		3104.1			
- Y11- 11+65.00		RT	932	933		3100.2	3097.6	1.1%
- Y11- 11+24.44	19	RT	933		3100.6			
- Y11- 11+24.44		RT	933	930		3097.6	3096.5	1.1%
-Y11- 11+14.61	-24	LT	931					
- RAB3- 12+75.97	57	RT	941		3122.0			
- RAB3- 12+75.97		RT	941	917		3117.0	3116.5	0.7%
SHEET 10								
- L3- 86+48.87	17	RT	1001		3109.3			
- L3- 86+48.87		RT	1001	1002		3106.2	3105.8	0.5%
- L3- 86+59.87	17	RT	1002		3108.9			
- L3- 86+59.87		RT	1002	1003		3105.8	3105.7	0.5%
- L3- 86+59.87	-17	LT	1003		3109.4			
- L3- 86+59.87		LT	1003	1004		3104.5	3098.1	0.5%
- L3- 88+34.49	-17	LT	1004		3103.1			
- L3- 88+34.49		LT	1004	1007		3098.1	3094.5	0.6%
- L3- 91+26.95	-17	LT	1007		3099.5			
- L3- 91+26.95		LT	1007	1023		3094.2	3093.8	0.5%
- L3- 92+32.00	-17	LT	1023		3097.4			
- L3- 92+32.00		LT	1023	1008		3093.8	3092.5	0.6%
- L3- 93+27.00	28	RT	1010		3109.3			
- L3- 93+27.00		RT	1010	1016		3102.5	3094.6	1.8%
- L3- 93+14.30	21	RT	1016		3098.2			
- L3- 93+14.30		RT	1016	1008		3094.6	3092.8	0.4%
- L3- 94+00.00	-17	LT	1011		3094.2			
- L3- 94+00.00		LT	1011	1008		3091.1	3090.8	0.4%
- L3- 93+14.39	-17	LT	1008		3095.8			
- L3- 93+14.39		LT	1008	1019		3090.0	3089.9	0.4%
- L3- 87+05.00		RT	1005	1005A		3099.0	3098.0	0.4%
- L3- 96+06.66	17	RT	1012		3089.5			
- L3- 96+06.66		RT	1012	1025		3086.5	3086.4	0.5%
- L3- 96+39.21	17	RT	1025		3089.6			
- L3- 96+39.21		RT	1025	1013		3086.4	3086.0	0.5%
- L3- 97+37.46	28	RT	1017		3102.0			
- L3- 97+37.46		RT	1017	1013		3090.9	3087.0	0.6%
- L3- 97+37.46	17	RT	1013		3090.0			
SHEET TOTALS								

SIZE / THICKNESS OR GAUGE

LINE & STATION	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 9																			
- DR25- 10+20.00																			
- DR25- 10+20.00																			
- DR24- 10+59.00																			
- DR24- 10+59.00																			
- Y11- 12+10.00														16					
- Y11- 11+95.00																			
- Y11- 11+95.00																			
- Y11- 11+65.00																			
- Y11- 11+65.00																			
- Y11- 11+24.44																			
- Y11- 11+24.44																			
-Y11- 11+14.61		72																	
- RAB3- 12+75.97																			
- RAB3- 12+75.97																			
SHEET 10																			
- L3- 86+48.87																			
- L3- 86+48.87																			
- L3- 86+59.87																			
- L3- 86+59.87																			
- L3- 86+59.87																			
- L3- 86+59.87																			
- L3- 88+34.49																			
- L3- 88+34.49																			
- L3- 91+26.95																			
- L3- 91+26.95																			
- L3- 92+32.00																			
- L3- 92+32.00																			
- L3- 93+27.00																			
- L3- 93+27.00													16						
- L3- 93+14.30																			
- L3- 93+14.30																			
- L3- 94+00.00																			
- L3- 94+00.00																			
- L3- 93+14.39																			
- L3- 93+14.39																			
- L3- 87+05.00																			
- L3- 96+06.66																			
- L3- 96+06.66																			
- L3- 96+39.21																			
- L3- 96+39.21																			
- L3- 97+37.46																			
- L3- 97+37.46																			
- L3- 97+37.46																			
SHEET TOTALS	0	72	0	0	0	0	0	0					16	16	0	0	0	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"
SHEET 9														
- DR25- 10+20.00														
- DR25- 10+20.00								112						
- DR24- 10+59.00														
- DR24- 10+59.00	52													
- Y11- 12+10.00														
- Y11- 11+95.00														
- Y11- 11+95.00		28												
- Y11- 11+65.00														
- Y11- 11+65.00		40												
- Y11- 11+24.44														
- Y11- 11+24.44		44												
-Y11- 11+14.61														
- RAB3- 12+75.97														
- RAB3- 12+75.97	32													
SHEET 10														
- L3- 86+48.87														
- L3- 86+48.87								8						
- L3- 86+59.87														
- L3- 86+59.87								32						
- L3- 86+59.87														
- L3- 86+59.87								172						
- L3- 88+34.49														
- L3- 88+34.49								284						
- L3- 91+26.95														
- L3- 91+26.95									100					
- L3- 92+32.00														
- L3- 92+32.00									80					
- L3- 93+27.00														
- L3- 93+27.00														
- L3- 93+14.30														
- L3- 93+14.30								36						
- L3- 94+00.00														
- L3- 94+00.00								84						
- L3- 93+14.39														
- L3- 93+14.39			28											
- L3- 87+05.00						100								
- L3- 96+06.66														
- L3- 96+06.66	32													
- L3- 96+39.21														
- L3- 96+39.21	100													
- L3- 97+37.46														
- L3- 97+37.46	12													
- L3- 97+37.46														
SHEET TOTALS	228	112	28	0	0	100	0	728	180	0	0	0	0	0

LINE & STATION	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.	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 9															
- DR25- 10+20.00							1								
- DR25- 10+20.00															
- DR24- 10+59.00							1								
- DR24- 10+59.00															
- Y11- 12+10.00															
- Y11- 11+95.00							1								
- Y11- 11+95.00															
- Y11- 11+65.00							1								
- Y11- 11+65.00															
- Y11- 11+24.44							1								
- Y11- 11+24.44															
-Y11- 11+14.61															
- RAB3- 12+75.97							1								
- RAB3- 12+75.97															
SHEET 10															
- L3- 86+48.87							1			1		1			
- L3- 86+48.87															
- L3- 86+59.87							1			1		1			
- L3- 86+59.87															
- L3- 86+59.87							1			1			1		
- L3- 86+59.87															
- L3- 88+34.49							1			1			1		
- L3- 88+34.49															
- L3- 91+26.95							1	0.3		1			1		
- L3- 91+26.95															
- L3- 92+32.00							1			1			1		
- L3- 92+32.00															
- L3- 93+27.00							1	1.9							
- L3- 93+27.00															
- L3- 93+14.30							1								
- L3- 93+14.30															
- L3- 94+00.00							1			1		1			
- L3- 94+00.00															
- L3- 93+14.39							1	0.8		1			1		
- L3- 93+14.39															
- L3- 87+05.00					4.5										
- L3- 96+06.66							1			1		1			
- L3- 96+06.66															
- L3- 96+39.21							1			1		1			
- L3- 96+39.21															
- L3- 97+37.46							1	5.0	1.1						
- L3- 97+37.46															
- L3- 97+37.46							1			1		1			
SHEET TOTALS	0	0	0	0	4.5	0	20	8.0	1.1	11	0	6	5	0	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)
SHEET 9																						
- DR25- 10+20.00	1	1																				
- DR25- 10+20.00																						
- DR24- 10+59.00	1	1																				
- DR24- 10+59.00																						
- Y11- 12+10.00																						
- Y11- 11+95.00										1					1							
- Y11- 11+95.00																						
- Y11- 11+65.00										1					1							
- Y11- 11+65.00																						
- Y11- 11+24.44				1				1														
- Y11- 11+24.44																						
-Y11- 11+14.61																						
- RAB3- 12+75.97				1				1														
- RAB3- 12+75.97																						
SHEET 10																						
- L3- 86+48.87																						
- L3- 86+48.87																						
- L3- 86+59.87																						
- L3- 86+59.87																						
- L3- 86+59.87																						
- L3- 86+59.87																						
- L3- 88+34.49																						
- L3- 88+34.49																						
- L3- 91+26.95																						
- L3- 91+26.95																						
- L3- 92+32.00																						
- L3- 92+32.00																						
- L3- 93+27.00				1				1														
- L3- 93+27.00																						
- L3- 93+14.30											1				1							
- L3- 93+14.30																						
- L3- 94+00.00																						
- L3- 94+00.00																						
- L3- 93+14.39																						
- L3- 93+14.39																					1	
- L3- 87+05.00																					1	
- L3- 96+06.66																						
- L3- 96+06.66																						
- L3- 96+39.21																						
- L3- 96+39.21																						
- L3- 97+37.46				1				1														
- L3- 97+37.46																						
- L3- 97+37.46																						
SHEET TOTALS	2	2	0	4	0	0	0	4	0	2	1	0	0	0	3	0	0	0	0	0	2	0

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 9					
- DR25- 10+20.00					
- DR25- 10+20.00					
- DR24- 10+59.00					
- DR24- 10+59.00					
- Y11- 12+10.00	2 @ 18				
- Y11- 11+95.00					
- Y11- 11+95.00					
- Y11- 11+65.00					
- Y11- 11+65.00					
- Y11- 11+24.44					
- Y11- 11+24.44				88	
-Y11- 11+14.61					Driveway pipe
- RAB3- 12+75.97					
- RAB3- 12+75.97					
SHEET 10					
- L3- 86+48.87					
- L3- 86+48.87					
- L3- 86+59.87					
- L3- 86+59.87					
- L3- 86+59.87					
- L3- 86+59.87					
- L3- 88+34.49					
- L3- 88+34.49					
- L3- 91+26.95					
- L3- 91+26.95					
- L3- 92+32.00					
- L3- 92+32.00					
- L3- 93+27.00					
- L3- 93+27.00	2 @ 15				
- L3- 93+14.30					
- L3- 93+14.30					
- L3- 94+00.00					
- L3- 94+00.00					
- L3- 93+14.39					
- L3- 93+14.39				38	
- L3- 87+05.00					
- L3- 96+06.66					
- L3- 96+06.66					
- L3- 96+39.21					
- L3- 96+39.21					
- L3- 97+37.46					
- L3- 97+37.46					
- L3- 97+37.46					
SHEET TOTALS	4 @ VARIES	0	0	126	

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

RK&K
P: (919) 878-9560
8601 Six Forks Road, Forum 1,Suite 700
Raleigh, North Carolina 27615-3960
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