COMPUTED BY:	LCB	DATE:	8/23/2023
CHECKED BY:	JTW	DATE:	6/10/2024

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SHEET NO.
U-5757	3D-3

RAGNIK1T3

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

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

STATION	LOCATION (L.T. RT. OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, 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
THICKNESS OR GAUGE																			
		510	511		788.5	788.3													
10+62 -Y8-	LT	511		792.1	788.3														
		511	537		788.3	788.1													
32+19 -L-	LT	537		792.5	788.1														
		537	529		788.1	787.9													
32+46 -L-	LT	529		792.9	797.9														
		529	513		787.9	787.9													
32+46 -L-	LT	513		792.9	787.9														
		513	528		787.9	786.7	X												
30+89 -L-	LT	546		791.8	788.3														
		546	528		788.3	787.0			16										
30+19 -L-	LT	530		791.8	788.3														
		530	501		788.3	787.7			16										
30+19 -L-	LT	501		791.8	787.5														
		501	528		787.5	786.7													
30+89 -L-	LT	528		792.0	785.7														
		528	509		785.7	785.0													
34+37 -L-	RT	512		794.7	790.5														
		512	517		790.5	790.1													
32+68 -L-	RT	517		793.1	789.0														
		517	509		789.0	786.2													
30+19 -L-	RT	502		791.8	787.6														
		502	509		787.6	786.2													
30+89 -L-	RT	509		792.0	782.0														
		509	552		782.0	779.8							40						
30+68 -L-	RT	552		785.0	771.3														
11+90 -Y11-	RT	604		804.1	800.4														
		604	605		800.4	799.3													
11+90 -Y11-	LT	605		804.0	799.3														
		605	632		799.3	796.0													
12+50 -Y11-	LT	632		799.5	796.0														
		632	603		796.0	794.6													
39+95 -L-	LT	621		799.9	796.9														
		621	603		796.9	794.6													
38+80 -L-	LT	603		798.8	794.6														
		603	519		794.6	793.0	X												
11+39 -Y10-	RT	515		797.1	793.6														
		515	516		793.6	793.4													
11+39 -Y10-	LT	516		797.4	793.4														
		516	541		793.4	793.2													
37+14 -L-	LT	541		796.9	793.2														
		541	519		793.2	793.0													
37+14 -L-	LT	519		797.3	792.8														
		519	518		792.8	791.8	X												
36+13 -L-	LT	518		796.3	791.3														
		518	514		791.3	790.3													
38+25 -L-	RT	602		798.3	794.8														
		602	514		794.8	791.3													
36+13 -L-	RT	514		796.3	790.3														
SHEET TOTALS								0	32	0	0	40	0	0	0	0	0	0	0

STATION	C.S. PIPE 12"	15"	18"	24"	30"	36"	42"	48"	R.C. PIPE CLASS III 12"	15"	18"	24"	30"	36"	42"	R.C. PIPE CLASS IV 12"	15"	18"	24"	30"	36"	42"
THICKNESS OR GAUGE	.064	.064	.064	.064	.079	.079	.079	.109														
																	32					
10+62 -Y8-																						
																	56					
32+19 -L-																						
																	28					
32+46 -L-																						
																		16				
32+46 -L-																						
										156												
30+89 -L-																						
30+19 -L-																						
30+19 -L-																						
																		68				
30+89 -L-																						
														76								
34+37 -L-																						
																168						
32+68 -L-																						
																176						
30+19 -L-																						
																68						
30+89 -L-																						
30+68 -L-																						
11+90 -Y11-																						
																28						
11+90 -Y11-																						
																48						
12+50 -Y11-																						
																40						
39+95 -L-																						
																112						
38+80 -L-																						
																164						
11+39 -Y10-																						
																32						
11+39 -Y10-																						
																36						
37+14 -L-																						
																16						
37+14 -L-																						
																		100				
36+13 -L-																						
																			76			
38+25 -L-																						
																212						
36+13 -L-																						
SHEET TOTALS	0	0	0	0	0	0	0	0	0	0	156	0	76	0	0	0	1216	184	76	0	0	0

STATION	18" WELDED STEEL PIPE 0.250" THICK, GRADE B, IN SOIL	18" WELDED STEEL PIPE 0.250" THICK, GRADE B, NOT IN SOIL	15" R.C. PIPE (CLASS V)	18" R.C. PIPE (CLASS V)	24" R.C. PIPE (CLASS V)	30" R.C. PIPE (CLASS V)	42" R.C. PIPE (CLASS V)	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B")	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 GRATE 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. (W.S FLAT) FRAME WITH TWO GRATES STD. 840.20	G.D.I. (W.S SAG) FRAME WITH TWO GRATES STD. 840.22	BERM DRAINAGE OUTLET STD. 850.10	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	G.D.I. FRAME WITH TWO GRATES STD. 840.29	18" C.S. PIPE ELBOW	T.B.J.B. STD. 840.34	ADJUST CB	T.B.G.D.I STD. 840.35	CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
10+62 -Y8-									1				1																													
32+19 -L-									1				1																													
																																									45	REMOVE 12" RCP
32+46 -L-									1								1	1																								
32+46 -L-									1	0.1			1																													
																																									48	REMOVE 12" RCP
30+89 -L-									1								1	1																								
																																									12	REMOVE 8" HDPE
30+19 -L-									1								1	1																								
30+19 -L-									1				1																													
																																									129	REMOVE 12" RCP
30+89 -L-									1	1.3			1																													
																																									43	REMOVE 30" RCP
34+37 -L-									1				1																													
32+68 -L-									1				1																													
30+19 -L-									1																																	
																																									98	REMOVE 15" RCP
30+89 -L-									1	5.0			1																													
																																									94	REMOVE 94 LF OF EXISTING 30" RCP
30+68 -L-									1	5.0	3.8								1													1										CONNECT TO EXISTING 30" RCP
																																										EXISTING HORIZONTAL AND VERTICAL
																																										ELEVATIONS TO BE FIELD VERIFIED
11+90 -Y11-									1				1																													
11+90 -Y11-									1				1																													
12+50 -Y11-									1				1																													
																																									44	REMOVE PIPE - UNKNOWN SIZE (FOD)
39+95 -L-									1				1																													
38+80 -L-									1				1																													
																																									170	REMOVE PIPE - UNKNOWN SIZE (FOD)
11+39 -Y10-									1				1																													
11+39 -Y10-									1				1																													
37+14 -L-									1								1	1																								
37+14 -L-									1				1																													
																																									45	REMOVE 15" RCP
36+13 -L-									1				1																													
																																									44	REMOVE 24" RCP
38+25 -L-									1				1																													
																																									76	REMOVE 24" RCP
36+13 -L-									1	1.1			1																													
SHEET TOTALS	0	0	0	0	0	0	0	0.0	25	12.4	3.8	20	3	8	9	0	0	4	4	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	848	

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