COMPUTED BY:	Kathleen P. Gray, PE	DATE:	1/22/2021
CHECKED BY:	David B. Petty, PE	DATE:	1/22/2021

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

B-4414
Beaufort #060043

PROJECT NO.	SHEET NO.
38358.1.2	3D-1

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.

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

STATION	LOCATION (LT, RT, OR CL)'	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL
-L- 23+47	LT	0401		8.3			
		0401	0403		5.0	4.9	
-L- 21+00	RT	0402		5.0			
		0402	0409		2.2	1.9	
-L- 23+47	RT	0403		8.2			
		0403	0404		4.9	0.9	
-L- 25+88	LT	0405		8.5			
		0405	0406		5.8	0.5	
-L- 26+35	RT	0407		8.0			
		0407	0408		5.2	0.9	
SHEET TOTALS							

DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC)

STRUCTURE (FROM–TO)	12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE
0401												
0401–0403												
0402												
0402–0409		16										
0403												
0403–0404		28							X			
0405												
0405–0406		30							X			
0407												
0407–0408		28							X			
SHEET TOTALS		102										

C.S. PIPE (SIZE / THICKNESS OR GAUGE)

STRUCTURE (FROM–TO)	12" .064	15" .064	18" .064	24" .064	30" .079	36" .079	42" .109	48" .109
0401								
0401–0403								
0402								
0402–0409								
0403								
0403–0404								
0405								
0405–0406								
0407								
0407–0408								
SHEET TOTALS								

R.C. PIPE CLASS III / R.C. PIPE CLASS IV

STRUCTURE (FROM–TO)	III 12"	III 15"	III 18"	III 24"	III 30"	III 36"	III 42"	III 48"	IV 12"	IV 15"	IV 18"	IV 24"	IV 30"	IV 36"	IV 42"	IV 48"
0401																
0401–0403										36						
0402																
0402–0409																
0403																
0403–0404																
0405																
0405–0406																
0407																
0407–0408																
SHEET TOTALS										36						

STRUCTURE (FROM–TO)	** " R.C. PIPE (CLASS V)	***" RC PIPE CULVERTS, CONTRACTOR DESIGN	***" RC PIPE CULVERTS, CONTRACTOR DESIGN	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YARDS
0401						
0401–0403						
0402						
0402–0409						
0403						
0403–0404						
0405						
0405–0406						
0407						
0407–0408						
SHEET TOTALS						

QUANTITIES FOR DRAINAGE STRUCTURES — *TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL.'B')

STRUCTURE (FROM–TO)	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	CONCRETE TRANSITIONAL SECTION DROP INLET	CATCH BASIN	T.B.D.I STD. 840.35 OR 840.46	FRAME AND NARROW FLAT GRATE STD. 840.29		15" ELBOW
0401	1									1	1		
0401–0403													
0402	1									1	1		
0402–0409													
0403	1									1	1		
0403–0404													2
0405	1									1	1		
0405–0406													2
0407	1									1	1		
0407–0408													2
SHEET TOTALS	5									5	5		6

STRUCTURE (FROM–TO)		CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71	CONC. COLLARS CL. "B" C.Y. STD. 840.72	PIPE REMOVAL LIN. FT.	REMARKS
0401					
0401–0403					
0402					
0402–0409					
0403					
0403–0404					
0405					
0405–0406					
0407					
0407–0408					
SHEET TOTALS					

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