COMPUTED BY:
 MJB
 DATE:
 1/16/2023

 CHECKED BY:
 ASB
 DATE:
 11/7/2023

## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO. R-2577A 3D-5

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" & UNDER)

1	T			1				Or Pir					9 12 1		<u>                                     </u>																
LINE & STATION		STRUCTURE NO.	ATION VATION VATION IRED SLOPE	(RCP, CSP, C	DRAIN PIPE CAAP, HDPE, PP or PVC)		C.S. PIPE	R.C. PIPE CLASS III		R.C. PIPE CLASS IV		PIPE AS NOTED  STD. 838.01  OR  STD. 838.11  (UNLESS  NOTED		STD. 838.11	QUANTITIES FOR DRAINAGE STRUCTURES	AUANTII STRUCTU STRUCTU AUANTIITY SHAI  A' + (1.3 X C BEAUTIES  STRUCTU STRUCTU STRUCTU STRUCTU STRUCTU STRUCTU STRUCTU STRUCTU		ATES, HOOD NDARD	CONCRETE TRANSITIONAL SECTION		840.20	40.24								C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S.)	CATCH BASIN NARROW DROP INLET DROP INLET GRATED DROP INLET (NARROW SLOT)
SIZE	OFFSE		OP ELEV/ ERT ELE' ERT ELE' JM REQU	15" 18" 24" 3	0"	15" 18" 24"	30" 36" 42" 48"	15" 18" 24" 30" 36	'' 42'' 48'	15" 18" 24"	30" 36" 24"	24" 30"	30" 48" 4	CU. YARDS	] <u> </u>	FT.					STD.	40.22 STD. S. ST	. 840.30		37			. 840.71		J.B. M.H. T.B.D.I.	JUNCTION BOX MANHOLE TRAFFIC BEARING
THICKNESS OR GAUGE		FROM	VNI %		DO NOT USE RCP DO NOT USE CSP DO NOT USE CAAP DO NOT USE HDPE, PP, OR PV	.064	.079 .079 .109				Trenchless W.S. (IN SOIL)	renchless W.S. (NOT IN SOIL) Trenchless W.S. (IN SOIL)	chless W.S. (N enchless W.S.	renchless W.S. (NOT IN SOIL) R.C.P. C.S.P.	EACH (0' THRU 5.0')	AB		PE OF RATE	DR STD. 840.1	FRAME AND GRATE STD. 840.16 I. TYPE "A" STD. 840.17 OR 840.26	I. TYPE "B" STD. 840.18 OR 840.27 I. TYPE "D" STD. 840.19 OR 840.28 I. FRAME WITH TWO FLAT GRATES	≴ ≱ ≟	VEWAY DROP INLET LIN. FT. STD. ING BOX, STD. 840.41	STD. 840.31 OR 840.32 B STD. 840.34 D.I. STD. 840.35	EL GRATE AND FRAME STD. 840. FRAME AND COVER STD. 840.54	IUST CB	:B STD. 840.04 OR 840.05 WABLE FILL (CY) PIPE ELBOWS NO. & SIZE	IC. & BRICK PIPE PLUG, C.Y. STD	E REMOVAL LIN. FT.	T.B.J.B.	DROP INLET TRAFFIC BEARING JUNCTION BOX  EMARKS
SUEET 6 (sout)		+-+										-	-	-	PER .	10.0'	Si E	F G	DRO CAT D.I. §	D.I. F	G.D.  G.D.	G.D.  G.D.	DRIN	7.BJI 7.BJI	STEI M.H.	ADJ BER	PLO C.S.	CON	PIPE	<del> </del>	
SHEET 6 (cont.) -Y2- 12+89.00	22 RT	Г 652		28																									20		
-Y2- 13+17.00 -L- 22+67.00	-27 LT 62 RT	- 653 Г 654	<del>                                     </del>	68 32							<del>                                     </del>				$\vdash$														60		
-L- 23+89.00	56 RT	Г 655		24																											
-L- 26+68.00 -L- 27+88.00	58 RT 52 RT	Г 656 Г 657		20																									20		
-L- 28+40.00	50 RT	658		16																									20		
-L- 29+05 -Y1B- 15+20.00	50 RT -48 LT	659 665		28					++																				244		
-Y1B- 15+19.00	23 RT	Г 670		44																											
SHEET 7		+ + -																													
- L- 31+50.00	-38 LT	701	928.3												1		1	1													
- L- 31+50.00 - L- 32+50.00	-38 LT 48 RT	701 705 Γ 702	924.0 916.5 0.49 925.7					252	++						1		1	1													
- L- 32+50.00	48 RT	Г 702 703	921.2 920.5 0.5%	Ó				28																							
- L- 32+80.00 - L- 32+80.00	50 RT	Г 703 Г 703 744	924.7 920.5 912.5 0.5%	<u> </u>				108							1		1	1											79		
- L- 34+00.00	-38 LT	705	920.7												1		1	1													
- L- 34+00.00 - L- 41+00.00	-38 LT 56 RT	705 700 726	916.5 907.1 0.49					180	++						1						1	1							70		
- L- 41+00.00	56 RT	726 72	922.0 920.8 1.99	6		20																					2 @	18			
- L- 41+00.00 - L- 41+00.00	38 RT	Г 727 Г 727 71 <sup>-</sup>	925.1 920.8 914.4 0.5%	,				248	++						1		1	1													
- L- 38+50.00	38 RT	Г 717	918.6												1		1	1													
- L- 38+50.00 - L- 36+73.50	38 RT 38 RT	717 73 <sup>-</sup> 737	914.4 912.7 0.59 917.0					1/6	++		+ + +			+ +	1		1 1											<del> </del>	19		
- L- 36+73.50	1 1	Г 737 708	912.7 912.6 0.59 917.0	b				28										1												<u> </u>	
- L- 36+45.60 - L- 36+45.60	38 RT 38 RT	708 70° 708 70°	912.6 907.4 0.6%					64							1		1 1	1											20		
- L- 35+80.00	62 RT	728 70	913.5 906.0 1.49			00	28							2.8														45			
- Y3- 11+20.00 - Y3- 11+20.00	56 RT 30 RT	730 729 729	932.9 924.0 1.5% 927.8 927.8			28									1						1	1					2 @	10			
- Y3- 11+20.00	30 RT	729 73 <sup>-</sup>						60							1 1	0					4										
- Y3- 11+20.00 - Y3- 11+20.00	-30 LT	731 731 74	926.9 919.1 912.5 0.49					68							1 2.	.8															
- Y3- 10+56.00	-36 LT	745	916.5					00							1		1	1													
- Y3- 10+56.00 - L- 34+20.00	-36 LT 40 RT	745 733 7 733	912.0 911.9 0.4%					36	++						1 3.	.3	1	1											33		
- L- 34+20.00	40 RT	733 720	911.9 911.6 0.49	b l				68																							
- L- 34+90.00 - L- 34+90.00	38 RT 38 RT	720 70 70 70°						88	++		+ + +		+		1 2.	.0	1 1	1					+ + +			+					
- L- 35+80.00	38 RT	Г 707	917.4												1 5.	.0 1.5	1	1													
- L- 35+80.00 - L- 39+75.00	38 RT -38 LT	707 700 716	905.9 905.6 0.49					7	2						1		1	1					+						67		
- L- 39+75.00	-38 LT	716 730						216								10.6											2 @	15	128		
3D-5 SHEET TOTALS				332		28 20	28	1212 408 7	2		1   1			2.8	16 1	13.0 1	.5 13 1	7  5			3	3				1	2 @	18	801		

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