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-2577A3D-16

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)

LINE & STATION		STRUCTURE NO.	NO	TION	TION ED SLOPE	(RCP, CSP, C	DRAIN PIPE CAAP, HDPE PVC)			C.S. PIPE	1	R.C.	PIPE SS III	R.C. PIPE CLASS IV	PIPE AS NOTED	STD. 838.01 OR STD. 838.11 (UNLESS NOTED	QUANTITIES EOR DRAINAGE STRUCTURES	*TOTAL L.F. FOR PAY QUANTITY SHALL BE COL.	'A' + (1.3 X COL.'B')	FRAME, GRATES, AND HOOD STANDARD 840.03	ETE TRANSITIONAL SECTION			.20	40.29								C.B. N.D.I. D.I. G.D.I.	CATCH BASIN NARROW DROP INLET DROP INLET GRATED DROP INLET
SIZE	OFFSET		P ELEVATI	RT ELEVA: RT ELEVA:	RT ELEVA'	15" 18" 24" 3	30"		15" 18" 24" 30" 36"	2" 48" 1	5" 18" 24" 30"	36" 42" 48	" 15" 18" 24" 30" 3	6" 24" 24" 30" 30" 48"	OTHERWISE) 48" CU. YARDS		LIN. FT.					STD. 840.	840.22 STD. 840.22	ES. STD. 8						140.71		G.D.I.(N.S.) J.B. M.H.	(NARROW SLOT) JUNCTION BOX MANHOLE	
			9 1	INVER	INVEF % MINIMUM		USE RCP USE CSP	USE CAAP DPE, PP, OR PVC							IN SOIL) IN SOIL) IN SOIL) IN SOIL) IN SOIL)	OT IN SOIL)	(,0:			TYPE OF GRATE	-	D. 840.15 TE STD. 840.16 340.17 OR 840.26	40.18 OR 840.27 40.19 OR 840.28	WO FLAT GRATES WO GRATES	TWO FLAT GRATI ET LIN. FT. STD. 8	10.32	RAME STD. 840.37 /ER STD. 840.54	<u> </u>	840.05	. & SIZE	PLUG, C.Y. STD. 8	<u>.</u>	T.B.J.B.	TRAFFIC BEARING DROP INLET TRAFFIC BEARING JUNCTION BOX
THICKNESS OR GAUGE		FROM					DO NOT DO NOT	DO NOT USE H	.064	970. 970.	.109				Trenchless W.S. (NC Trenchless W.S. (NC Trenchless W.S. (NC Trenchless W.S. (NC	Trenchless W.S. (NC R.C.P.	PER EACH (0' THRU 5 5.0' THRU 10.0'	0.0' AND ABOVE	2.B. STD. 840.01 OR S	- F G	DROP INLET	D.I. STD. 840.14 OR ST D.I. FRAME AND GRA' G.D.I. TYPE "A" STD. 8	3.D.I. TYPE "B" STD. 83.D.I. TYPE "D" STD. 83.D.I. TYPE "D.I. TYPE	3.D.I. FRAME WITH IV 3.D.I. FRAME WITH TV 3.D.I. (N.S.) FRAME W	3.D.I. (N.S.) FR. WITH DRIVEWAY DROP INL	J.B. STD. 840.31 OR 84 BJB STD. 840.34	T.B.D.I. STD. 840.35 STEEL GRATE AND FRAME A.H. FRAME AND COVER ST	ADJUST MH ADJUST CB	TCB STD. 840.04 OR CLOWABLE FILL (CY)	S.S. PIPE ELBOWS NO	CONC. & BRICK PIPE	PIPE REMOVAL LIN. F		REMARKS
SHEET 14 (cont.)																								3 0 0		, , , ,	F 07 2					ш.		
- L- 127+72.15 - L- 128+25.00	41 R1	Г 1437 140 Г 1406	915.4	911.4	911.2 0.5%	6					++			52	++++		1			1			+ + +						+					
- L- 128+25.00	41 R1	Г 1406 143	8		910.1 0.5%	6								36			'																	
- L- 128+00.00 - L- 128+00.00	62 R1	+	914.5		910.0 0.5%	6					++	56					1		-				1 1	1										
- L- 128+50.00	90 R1	+ + + + + + + + + + + + + + + + + + + +	912.7	+	910.0 0.37							30					1						1	1										
- L- 128+50.00	90 R1		912.4	910.0	908.4 0.6%	6					+	36					1			1														
- L- 128+85.00 - L- 128+85.00	81 R1	<del>-    </del>		908.4	901.0 0.6%	6								196			1			1														
- L- 130+75.00	41 R1		905.0		005.0	,								100			1		1	1														
- L- 130+75.00 - L- 132+00.00	41 R1		899.9	901.0	895.9 0.7%	6								128			1 0.3	3	1	1									10					
- L- 132+00.00	41 R1	Г 1409 142	9	894.7	884.6 2.8%	6				44																				2 @ 30				
- L- 132+20.86 - L- 132+20.86	78 R1		888.6	880.6	880.4 0.7%	4					+	20		<del>                                     </del>			1 3.0	)	-++							1	1		+++					
- L- 133+90.00	41 R1		892.8	_	880.4 0.77												1		1	1														
- L- 133+90.00	41 R1		+		884.3 0.4%	6								132																				
- L- 135+20.00 - L- 135+20.00	41 R1		888.3 4		879.9 0.5%	6								132			1		1 1	1 1														
- L- 136+50.00	9 R1	Г 1413	884.8	}													1				1	1 1												
- L- 136+50.00 -L- 136+50.00	9 R1 59 R1				879.9 0.8% 879.9 0.4%						++	36		20																				
-L- 136+50.00	41 R1	Г 1414	883.9		879.9 0.47	0								20			1		1	1												20		
- L- 136+50.00	41 R1	+ +			875.9 0.5%	6								124																				
- L- 137+71.25 - L- 137+71.25	41 R1		879.9	875.9	872.0 0.5%	6								124			1		1 1	1												42		
- L- 132+50.00	-61 LT	1423 14	7	899.8	894.0 1.8%	6			24																				1	2 @ 15				
- L- 132+50.00 - L- 132+50.00	-41 LT	1417 1417 14 <sup>2</sup>	898.0 8	894.0	888.4 0.5%	6					+			152			1		1	1														
- L- 134+00.00	-41 LT		892.4											102			1		1	1														
- L- 134+00.00	-41 LT	+ + + + + + + + + + + + + + + + + + + +	+		882.7 0.5%	6								168																				
- L- 135+65.00 - L- 135+65.00	-41 LT -41 LT	1419 1419 142	886.7		879.0 0.6%	6					+			92	++++		1		1										+++					
- Y12- 24+00.00	6 R1	Г 1420	882.7	, <u> </u>													1				1	1 1												
- Y12- 24+00.00 - Y12- 24+00.00	6 R1 -24 LT	T 1420 142 T 1421	881.9		877.9 0.6%	6					++			32	++++		1		1	1									+++					
- Y12- 24+00.00	-24 LT	1421 142	2	877.9	875.7 0.6%	6								120			•																	
- L- 137+95.00	-53 LT	T 1422 Г 1424 142	879.7	896.3	875.5 1.8%				18								1		1	1										2 <b>@</b> 15				
- Y12- 23+38.00 - Y12- 23+38.00	78 R1		878.2		010.0 1.8%				40		++	+++				+ + +	1		++				1	1					+++	د <b>رس</b> ا				
- Y12- 23+38.00	32 R1	Г 1425 142	6	875.2	871.6 0.4%	6						100																						
- Y14- 10+67.00 - L- 137+95.00	20 R1 -53 LT	Г 1426 Г 1422 150	874.6 9		870.3 0.7%	6					++			144			1		++	+ +			1 1	1					+					
- L- 128+47.47	70 R1	Г 1438	914.1														1		1	1	1													
- L- 128+47.47	70 R1	Г 1438 142	8	910.1	910.0 0.5%	6					+			20					+															
				1 1							<del>     </del>																							
, , , , , , , , , , , , , , , , , , ,																														4.0				
3D-16 SHEET TOTALS		+ +	1	+				+	72	44	1	128 100 20		1672			21 3	3.2	14	10 4	1 3	2 2	4	4		1	1			4 @ 15 2 @ 30		62		
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