																_	PROJECT REFERENCE NO. R-5861			sнеет NC 3D-6																		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS REGIONAL TIER																																						
										IST	\mathbb{O}	F P	IDE	S, EI	NDW	ALL	s, E	TC.	(FOF	8 P	IPES	48	⁹⁹ &	U	ND]	ER)												
LINE & STATION	OFFSET STRUCTURE NO.	TOP ELEVATION	INVERT ELEVATION INVERT ELEVATION			DRAINAGE PIPE CP, CSP, CAAP, HDPE, or PVC)				R.C. PIPE CLASS III				R.C. PIPE CLASS IV		PIPE AS NOTED		ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE)		CONCRETE TRANSITIONAL CONCRETE TRANSITIONAL CONCRETE TRANSITIONAL CONCRETE TRANSITIONAL CONCRETE TRANSITIONAL		CONCRETE TRANSITIONAL SECTION	40.15 TD. 840.16 7 OR 840.26	/ UK 840.20 8 OR 840.27 9 OR 840.28 .AT GRATES STD. 840.20	SRATES STD. 840.22 TWO GRATES STD. 840.24) FLAT GRATES. STD. 840.29	N. FT. STD. 840.30 D. 840.13	(BICYCLE SAFE) SP DETAIL 2C-6 TD. 840.54	STD. 840.54	STD. (4" CONCRETE PAVED DITCH SY)	SECTION 310.02 SECTION 310.03	ECTION 310.04 CTION 310.04 ET	BEARING DROP INLET	NO. & SIZE	s, C.Y. STD. 840.71	.Y. STD. 840.72		N.D.I. NAR D.I. GRA G.D.I. (N G.D.I.(N.S.) J J.B. M.H. TF T.B.D.I. TF	TIONS CATCH B RROW DRO DROP IN ATED DRO NARROW JUNCTION MANHO RAFFIC BE DROP IN RAFFIC BE JUNCTION
SIZE HICKNESS DR GAUGE	FROM	_		12" 15"	18" 24" :	30" 36"	42" 48"	DO NOT USE RCP-III DO NOT USE CSP DO NOT USE CAAP	DO NOT USE HDPE, PP, OR PVC	15" 18"	24" 30" 3	36" 42" 48	" 12" 15"	18" 24"	30" 36" 42"	48" 36" 42" 48" Trenchless I Welded	Installation	CU. YARDS	PER EACH (0' THRU 5.0') 5.0' THRU 10.0'	EL. B BOVE CON	01 02 03 04 05 <th>DROP INLET CATCH BASIN</th> <th>D.I. STD. 840.14 OR STD. 84 D.I. FRAME AND GRATE ST G.D.I. TYPE "A" STD. 840.1</th> <th>G.D.I. TYPE "B" STD. 840.1 G.D.I. TYPE "D" STD. 840.1 G.D.I. FRAME WITH TWO F</th> <th>G.D.I. FRAME WITH TWO G G.D.I. (N.S.) FRAME WITH T G.D.I. (N.S.) FR. WITH TWO</th> <th>DRIVEWAY DROP INLET LI D.I. IN APPROACH SLAB S J.B. STD. 840.31 OR 840.32</th> <th>TBJB STD. 840.34 T.B.D.I. STD. 840.36 STEEL GRATE AND FRAME</th> <th>M.H. FRAME AND COVER S Adjust jb Adjust cb</th> <th>ADJUST DI BERM DRAINAGE OUTLET CONV DI TO JBMH</th> <th>CONV JB TO UTCB 15" PARALLEL PIPE END S 18" PARALLEL PIPE END S</th> <th>24"PARALLEL PIPE END SI OTCB Std 840.04 or 840.05 SPECIAL DETAIL DROP INI</th> <th>SPECIAL DETAIL TRAFFIC SPECIAL DETAIL CB SPECIAL DETAIL JB</th> <th>FLOWABLE FILL (CY) DRAINAGE PIPE ELBOWS</th> <th>CONC. & BRICK PIPE PLUC</th> <th>CONC. COLLARS CL. "B" C</th> <th>PIPE REMOVAL LIN. FT.</th> <th>T.B.J.B.</th> <th></th>	DROP INLET CATCH BASIN	D.I. STD. 840.14 OR STD. 84 D.I. FRAME AND GRATE ST G.D.I. TYPE "A" STD. 840.1	G.D.I. TYPE "B" STD. 840.1 G.D.I. TYPE "D" STD. 840.1 G.D.I. FRAME WITH TWO F	G.D.I. FRAME WITH TWO G G.D.I. (N.S.) FRAME WITH T G.D.I. (N.S.) FR. WITH TWO	DRIVEWAY DROP INLET LI D.I. IN APPROACH SLAB S J.B. STD. 840.31 OR 840.32	TBJB STD. 840.34 T.B.D.I. STD. 840.36 STEEL GRATE AND FRAME	M.H. FRAME AND COVER S Adjust jb Adjust cb	ADJUST DI BERM DRAINAGE OUTLET CONV DI TO JBMH	CONV JB TO UTCB 15" PARALLEL PIPE END S 18" PARALLEL PIPE END S	24"PARALLEL PIPE END SI OTCB Std 840.04 or 840.05 SPECIAL DETAIL DROP INI	SPECIAL DETAIL TRAFFIC SPECIAL DETAIL CB SPECIAL DETAIL JB	FLOWABLE FILL (CY) DRAINAGE PIPE ELBOWS	CONC. & BRICK PIPE PLUC	CONC. COLLARS CL. "B" C	PIPE REMOVAL LIN. FT.	T.B.J.B.	
ET 10 (cont.) - 88+50.00 - 99+00.00 - 99+00.00 11- 10+72.19 100+55.00 100+55.00 L- 89+00	Image: Network Image:	1743.0	1674.3 1670.9 0.5 7	5% 5 5%		120 40		×											1 1 1 1 5.0	2.6													2.7 2 @ 3 6.3 2 @ 3	0			OND OVERFLOW PIPE PECIAL DETAIL 2C-4	
HEET 11 102+50.00 102+50.00 101+25.00 101+25.00 2- 10+57.22 104+49.13 - 11+56.93	-56 LT 1121 LT 1121 100 LT 1122 112 52 RT 1123 -25 LT 1112		3	\$%	72 52					128	108 40																						2@28	4		57 57 41		
108+50.00 109+50.00	21 RT 1113 LT 1107 110 -25 LT 1108 LT 1108 11 18 RT 1115 -34 LT 1111 -34 LT 1110 -34 LT 1106	1758.6 15 1758.3 06 1747.1 06 1744.9	1755.1 1754.8 0.5 3 1754.8 1740.2 2.0 1 1 1 1744.4 1740.9 0.5 9 1 1	image: state				×		100	36																						2@2	4 4 4		Si 32	ee concrete ditch spreadsheet	et
109+50.00 110+50.00 111+50.00 111+50.00 111+50.00 108+50.00 108+50.00 109+77.72 109+77.72	65 RT 1102 RT 1102 110	1742.1 10 1740.6 17 1747.1 03 1750.1 03	1737.4 1734.6 0.6 6 1734.6 1722.8 0.6 1 1 1 1744.4 1738.5 0.5 1 1 1 1745.7 1738.3 2.5	3%				×		192	104 · · · · · · · · · · · · · · · · · · ·																						7.4 2@ 1	8		129 10		
110+40.00 110+40.00 112+96.98 112+96.98 113+80.00 113+80.00 113+35.00 113+35.00 - 12+35.00	34 RT 1103 RT 1103 110 79 RT 1105 RT 1105 110 34 RT 1127 RT 1127 12 34 RT 1127	1742.5 04 1749.2 04 1728.1	1737.8 1725.7 0.5 2 1 1 1 1723.3 1722.8 0.6	1%				×			296 · · · · · · · · · · · · · · · · · · ·																						2@1	8		151 		
R14- 11+50.00 R14- 11+50.00 Y7- 11+90.05	-6 LT 1128 LT 1128 112 22 RT 1114	1750.1 29			28														1														2 @ 18" 6 @ 24" 4 @ 30" 19 14 TOTAL					

(5/2023 (Hydraul

O

