17,

COMPUTED BY:	MJB	DATE: 1/16/2023
CHECKED BY:	ASB	DATE: 11/7/2023

COMPU	TED BY:		MJB					DATE: 1/	/16/2023	3			NOI	RII	H C.	A R	OL		A	$\mathbb{D}\mathbb{F}$	P.	AR'	$\mathbb{T}\mathbb{M}$			\mathbb{O}	F 1	RA	N	SPC	DRI	TA'		N				L		-2577A	10.	sheet no. 3D-1
CHEC	KED BY:		ASB					DATE: 1'	1/7/2023	3								\mathbb{L}	\mathbb{I}	ISI	$\mathbb{O}\mathbb{N}$			\mathbb{H}	IGH	W	AYS	S														
Note: Invert	Elevatio	ons ind	'icatea	are	for l	Bid P	Purp	oses oni	ily an	rd shali	l not t				constructi F PIP																\supset)											
																									<u>, , , , , , , , , , , , , , , , , , , </u>		10															
LINE & STATION			SIRUCIURE NO.	VTION	VATION	VATION Idea si ode		(RCP, CSP, C	DRAIN CAAP, H PVC)		r	c	C.S. PIPE		R.C. PIPE CLASS III			R.C. PIPE LASS IV		PIPE AS N	OTED	ENDW STD. 8 OF STD. 8 (UNL NOT OTHER)	38.01 R 38.11 ESS ED	QUANTITIES FOR DRAINAGE STRUCTURES	TOTAL L.F. FOR PAY QUANTITY SHALL BE COL 'A' + (1.3 X COL.'B')	A S	FRAME, GRATES, AND HOOD STANDARD 840.03	CONCRETE TRANSITIONAL SECTION			840.20	D. 840.29								<u>A</u> C.B. N.D.I. D.I. G.D.I. G.D.I.(N.S.)	NAR DF GRATE (NAF	TCH BASIN ROW DROP INLET ROP INLET ED DROP INLE RROW SLOT)
SIZE	OFFSE			TOP ELEV	IVERT ELE		15'	' 18'' 24'' 3	30''		15"	18'' 24''	30" 36" 42"	48'' 15'' 1	18" 24" 30" 36"	42" 48"	15" 18"	24" 30" 3	6" 24" 2	24" 30" 30	" 48" 48	CU. YA	ARDS		FT. A B				9	.28	ATES STD. STD. 840.22 ATES STD.	RATES. ST TD. 840.30		40.37 54	5			TD. 840.71		J.B. M.H. T.B.D.I.	M TRAFI	NCTION BOX //ANHOLE FIC BEARING ROP INLET
THICKNESS OR GAUGE		FROM	TO		<		INIM %		DO NOT USE RCP	DO NOT USE CSP DO NOT USE CAAP	DO NOT USE HDPE, PP, OR F .064	.064 .064	.079 .079 .109	.109					Trenchless W.S. (IN SOIL)	Trenchless W.S. (NOT IN SOIL) Trenchless W.S. (IN SOIL)	Trenchless W.S. (NOT IN SOIL)	R.C.P.	C.S.P.	EACH (0' THRU 5.0')	THRU 10.0' AND ABOVE	STD. 840.01 OR STD. 840.02	TYPE OF GRATE	IP INLET CH BASIN	STD. 840.14 OR STD. 840.15 FRAME AND GRATE STD. 840.1	. ТҮРЕ "B" STD. 840.18 OR 840 I. ТҮРЕ "D" STD. 840.19 OR 840	I. FRAME WITH TWO FLAT GR. I. FRAME WITH TWO GRATES I. (N.S.) FRAME WITH TWO GR.	I. (N.S.) FR. WITH TWO FLAT G /EWAY DROP INLET LIN. FT. S	ING BUX, STD. 840.41 STD. 840.31 OR 840.32 B STD. 840.34	D.I. STD. 840.35 EL GRATE AND FRAME STD. 840.3 FRAME AND COVER STD. 840.54		M DRAINAGE OUTLET B STD. 840.04 OR 840.05	WABLE FILL (CY) PIPE ELBOWS NO. & SIZE	ic. & Brick Pipe Plug, C.Y. S	ERMOVAL LIN. FT.	T.B.J.B.	TRAF	FIC BEARING
SHEET 4																								PER	5.0' 10.0'	B C C E	E F G	DROP	D.I. S	G.D.I G.D.I	G.D. G.D. G.D.	G.D.	J.B. TBJE	T.B.		BER	C.S.	CON	BIP			
- L- 3+81.71 - L- 0+80.00	-99 -41		-	900.1		378.3 0.8									400				96	96				1		1	1										26					
- L- 0+80.00 - L- 2+75.00 - L- 2+75.00	-41 -41 -41	LT 402 LT 403 LT 403	3	903.7		395.0 0.4 887.5 0.4									196									1 ;	3.7	1	1															
- L- 1+00.00 - L- 1+00.00		RT 404		900.5		395.9 0.5									100									1		1	1												57			
- L- 1+99.00 - L- 1+99.00	44	RT 405	<u>+ − +</u>	902.4		395.8 0.5									16									1	1.5	1	1															
- L- 1+65.00 - L- 1+65.00	83 83		2 2 406	890.9	87.4	387.2 0.4	4%								60									1						1		1										
- L- 2+25.00 - L- 2+25.00	77 77	RT 406 RT 406	6 6 407	902.2 8	87.2	387.0 0.4	4%								48									1 :	5.0 5.0	1	1															
- L- 2+75.00 - L- 2+75.00	75 75	RT 407 RT 407	, 7 408	903.0	87.0	378.3 0.4	4%								124									1 :	5.0 6.0	1	1												53			
- L- 4+00.00 - L- 4+00.00	93 93			888.7 8	77.8	372.4 0.6	6%								56									1 :	5.0 0.9								1		1							
- L- 3+00.00 - L- 0+64.80	-84 63			8 898.5	93.9	383.0 1.7	7%					64												1						1		1				1	2@18					
- L- 0+64.80 - L- 2+05.69	63 61		6 415 7	8 902.5		393.4 0.4									40									1	5.0 2.4	1	1															
- L- 2+05.69	61	RT 417	406	8	90.1	387.7 0.4	4%								24																											
SHEET 5 - Y1E- 16+00.0	0 32	RT 501		919.5																				1						1		1										
- Y1E- 16+00.0 - L- 16+95.00	41)	924.9		915.8 0.5									44									1		1																
- L- 16+95.00 - L- 16+58.00		_	+ +	9 924.5	20.7	920.3 0.4	4%								36									1		1	1															
- L- 16+58.00 - L- 16+95.00		RT 502 RT 503	3	9 926.2	20.3	017.2 0.4	4%								40									1				1	1 1													
- L- 16+95.00 - L- 14+50.00		RT 503	3 5 <mark>0</mark> 4	9 923.3	22.0	918.4 0.4	4%								88									1		1	1	1														
- L- 14+50.00 - L- 16+04.00		LT 506 LT 505		9 925.1	19.1	918.5 0.4	4%								152									1	1.6			1	1 1										371			
- L- 16+04.00 - L- 16+04.00		LT 505 RT 504	+ +	9 925.1	18.5	0.4	4%								16									1	1.7			1	1 1													
- L- 16+04.00 - L- 15+13.85		RT 504 RT 529		9 922.3	18.4	017.2 0.4	4%								52									1		1																
- L- 15+13.85 - Y1B- 10+78.0	68	RT 529 LT 507	560	9 921.6	18.0	904.1 1.8	8%					76												1		1	1										2@18					
- Y1B- 10+78.0		LT 507			17.2	915.0 0.5	5%								48											\square																
3D-1 SHEET TOT	ALS											140		9	928 272 56				96	96				19	28.6 14.3	3 12	2 10	3 1	1 3 3	2 1		3	1		1	1	26 4 @ 18		481			

4/10/2024 R:\Roadwa

ORTH CAROLINA DEPARTMENT OF TRANSPORTATION



PROJECT REFERENCE NO.

SHEET NO.