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-29

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)

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LINE & STATION		STRUCTURE NO.		NOI		VION		E DRAIN PIPE , CAAP, HDPE, PP or PVC)	C.S.	PIPE	R.C. CLAS		R.C. PIPE CLASS IV	PIPE.	AS NOTED S	D. 838.01 OR D. 838.11 JNLESS NOTED	QUANTITIES FOR DRAINAGE	*TOTAL L.F. F QUANTITY SHAL 'A' + (1.3 X G	FRAMI GRATE AND HO STANDA 840.03	S, CONCRETE OOU		0.20	0.24 840.29								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)
SIZE	OFFSET			OP ELEVAT	á	/ERT ELEVA	15" 18" 24"	30"	15" 18" 24" 30	36" 42" 48" 15" 1	18" 24" 30"	36" 42" 48" 15" 18	" 24" 30" 3	36" 24" 24" 30		J. YARDS		A B				6 7 8 ES STD. 84	D. 840.22 ES STD. 840 ATES. STD.). 840.30	.37	4). 840.71		J.B. JUNCTION BOX M.H. MANHOLE T.B.D.I. TRAFFIC BEARING
THICKNESS OR GAUGE		ROM	10			N	ov Minimus	DO NOT USE RCP DO NOT USE CSP DO NOT USE CAAP TO USE HDPE, PP, OR PV	.064 .064 .064 .079	.109 .109				W.S. (IN SOIL) S. (NOT IN SOIL)	S. (NOT IN SOIL) W.S. (IN SOIL) S. (NOT IN SOIL) S. (NOT IN SOIL)	. 4	HRU 5.0')	E 00 etn 840 07	OR STD. 840.02 GRAT AMDER TAPE OF		OR STD. 840.15	STD. 840.17 OR 840.2 STD. 840.19 OR 840.2 STD. 840.19 OR 840.2	TH TWO GRATES ST ME WITH TWO GRAT	. WITH TWO FLATERS OP INLET LIN. FT. STD ITD. 840.41	FRAME STD.	D COVER STD. 840.54	iE OUTLET 04 OR 840.05 L (CY)	NS NO. & SIZE	PIPE PLUG, C.Y. STI	LIN. FT.	DROP INLET T.B.J.B. TRAFFIC BEARING JUNCTION BOX
)Q Q						Trenchless Trenchless W.	Trenchless W. Trenchless W. Trenchless W.	. 0	PER EACH (0' TI	5.0' THRU 10.0' 10.0' AND ABOV	C.B. STD. 840.01	DROP INLET	CATCH BASIN D.I. STD. 840.14	G.D.I. TYPE "A" (G.D.I. TYPE "B" (G.D.I. TYPE "D" (G.D.I. TYPE "D" (G.D.I. FRAME WI	I. FRAME V I. (N.S.) FR I. (N.S.) FR	RIVEWAY DR. PRING BOX, S. B. STD. 840.3	TBJB STD. 840.3 T.B.D.I. STD. 840 STEEL GRATE A	M.H. FRAME AND CC ADJUST MH ADJUST CB	BERM DRAINAG OTCB STD. 840.0 FLOWABLE FILI	C.S. PIPE ELBOV	CONC. & BRICK	PIPE REMOVAL	REMARKS
SHEET 27 (cont.) - L- 288+81.09	56 R	T 2705		59.8													1		1 1												
- L- 288+81.09 - L- 289+50.00	56 R ⁻	T 2705 T 2704	2704 9	95 58.2	5.8 9	54.2 0.5	5%					72					1		1 1												
- L- 291+80.00	43 R	T 2712	9	53.2	0.0	45.0	40/					470					1		1 1												
- L- 291+80.00 - L- 293+50.00	43 R ⁻	T 2724		49.8		45.8 0.4						1/2					1		1 1												
- L- 293+50.00 - L- 295+83.06	44 R ⁻	T 2724 T 2723		94 44.8	5.8 9	40.8 0.	5%					232					1	2.2	1 1											31	
- L- 295+83.06	44 R	T 2723	2718	93	7.7 9	36.0 0.	5%					184						2.2													
- L- 299+50.00 - L- 299+50.00	44 R ⁻	T 2722 T 2722	2721	42.1 93	8.1 9	37.4 0.5	5%					84					1		1	1											
- L- 298+93.17	14 R	T 2738	9	42.3	2.4	07.4	201										1			1	1 1									38	
- L- 298+93.17 - L- 298+68.14	14 R ⁻	T 2738 T 2721		93 41.4	8.1 9	37.4 0.3	3%					40					1		1	1											
- L- 298+68.14	44 R	T 2721	2720	93 41.4	7.4 9	37.3 0.	5%					32					4		1 1												
- L- 298+36.16 - L- 298+36.16	44 R	T 2720 T 2720	2718			37.0 0.	5%					68					1														
- L- 297+68.00 - L- 297+68.00	64 R ⁻	T 2730 T 2718		93 41.7		33.9 0.0	6%					24				6	1	3.8	1 1												
- L- 297+68.00	44 R	T 2718	2717		2.9 9	32.5 0.	5%					84					'	3.0												88	
- L- 296+25.45	-52 L	_	9 2717	44.1	0.2	27.0	40/						144				1		1	1											
- L- 296+25.45 - L- 297+68.00	-52 L1	T 2727 T 2717		41.7	0.3 9	37.0 0.4	1%						144				1	4.2	1	1											
- L- 297+68.00	-44 L ⁻	+ +	2725		2.5 9	32.4 0.5	5%					32							4 4												
- L- 299+39.75 - L- 299+39.75	-79 L	T 2726 T 2726		41.1 93	7.1 9	36.8 0.	5%					92					1		1 1												
- L- 298+49.17	-60 L	T 2719		41.0	60 0	26.6	-0/					40					1		1 1												
- L- 298+49.17 - L- 298+00.00	-60 LT	T 2719 T 2725	2725 9	93 41.6	υ.σ 9	36.6 0.8	070					48					1	4.2	1	1											
- L- 298+00.00	-48 L	T 2725			2.4 9	26.4 2.0	0%			32								2.0										2 @ 48			
- L- 298+03.36 - L- 298+03.36	-81 L ⁻	T 2740 T 2740	2729	32.8 92	5.8 9	25.7 0.	5%					16					1	2.0													
- Y24- 21+22.76 - Y24- 21+22.76	-33 L1	T 2733		53.8	0.8	48.0 0.4	196					68					1					1	1								
- Y24- 21+22.76 - Y23- 10+77.67	-33 L 53 R	_	2735		_	51.9 0.4					40	08																			
- Y23- 11+50.00	36 R	T 2716		53.6	00 0	50.6	50/										1					1	1								
- Y23- 11+50.00 - Y23- 10+92.67	20 R	T 2716 T 2713	2713 9	95 55.6	u.o 9	50.6 0.	0 /0					60					_1	0.8	1 1												
- Y23- 10+92.67	20 R	_	2714		9.8 9	49.7 0.	5%				32																				
- Y23- 11+50.00 - Y23- 11+50.00	-36 L1	T 2715 T 2715	2714	53.6 95	0.8 9	50.5 0.5	5%			60							1	_													
- Y23- 10+92.59	-22 L	Т 2714	9	55.1			-0/										1		1 1												
- Y23- 10+92.59 - L- 289+50.00	-22 LT 56 R	T 2714 T 2704	2732 2742		0.5 9 4.2 9	50.3 0.5 50.5 0.5	5%					52																			
- Y23- 10+92.67	20 R	T 2713	2742	94		49.7 0.	5%						32																		
- Y23- 10+65.50 - Y23- 10+65.50	1 R	T 2742 T 2742	2708	55.8 94	9.7 9	49.5 0.	5%						56				1	1.1		1 1	1 1										
<u>0</u>																															
3D-29 SHEET TOTAL	s	+ +		\dashv	+					32 60	72	208 132 1132	232			6	22	18.3	16 3 8	5 2	2	2 3	3	1 1		1	4	2 @ 48		157	
257.	<u> </u>	<u> </u>			•	•	- 1			<u> </u>		. , , •					•	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>				<u> </u>			

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