COMPUTED BY: LMJ DATE: 12-05-24

CHECKED BY: WHT DATE: 12-05-24

LINDA092017-PC

PROJECT NO.	SHEET NO.
U-5536	3D-1

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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 INCHES & UNDER)

LINE & STATION	OFFSET		STRUCTURE NUMBER FROM	TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	Drainage Pipe (RCP, CSP, HDPE, PVC, or PP PIPE) 15	18	24	30	36	DO NOT USE RCP	DO NOT USE HDPE	DO NOT USE PVC	DO NOT USE PP PIPE	C. S. PIPE 15 (.064)	18 (.064)	24 (.064)		R. C. PIPE CLASS III 15	18	24	30	36		R. C. PIPE CLASS IV 15	18	24	30	36		R. C. PIPE CLASS V 15	18	24	
L 21+52	18	RT	0400		951.8																																
			0400	0401		948.8	948.5																					40									
L 21+52	18	LT	0401		951.5																																
			0401	0502		948.5	943.0																					368									
L 18+39	24	LT	0402		941.3																																
			0402	0403		938.3	938.1																					8									
L 18+28	24	LT	0403		941.1																																
			0403	0404		938.1	937.4																					152									
L 18+28	24	LT	0404		948.9																																
			0404	0405		937.4	932.1		32					X																							
L 17+60	37	RT	0406		936.9																																
			0406	0407		934.9	934.8				24																										
L 17+54	18	RT	0407		938.9																																
			0407	0412		934.8	932.7																							144							
L 14+86	36	RT	0409		936.4																																
			0409	0410		934.9	933.7			16																											
L 14+86	20	RT	0410		937.0																																
			0410	0411		933.7	933.1																						88								
L 15+76	19	RT	0411		936.4																																
			0411	0412		933.1	933.0	0.4																					32								
L 16+06	18	RT	0412		936.5																																
			0412	0413		932.5	931.2	0.5																						72							
Y3 11+66	35	RT	0414			946.3																															
			0414	0415		943.2	940.0																96														
Y3 12+61	17	RT	0415		943.0																																
			0415	0416		940.0	938.4																											48			
Y3 12+67	34	LT	0416		941.4																																
			0416	0419		938.4	937.4																					240									
Y3 15+61	36	RT	0417		940.9																																
			0417	0418		937.9	937.6																					64									
Y3 15+00	20	RT	0418		941.0																																
			0418	0419		937.7	937.4																					36									
Y3 15+00	20	LT	0419		941.0																																
			0419	0420		937.4	937.0																					88									
Y3 15+79	50	LT	0420		940.8																																
			0420	0421		937.0	936.8	0.3																				48									
L 11+91	25	RT	0421		939.3																																
			0421	0422		936.8	936.5																											48			
L 11+85	22	LT	0422		938.8																																
			0422	0423		936.5	936.2																											56			
L 12+35	50	LT	0423		938.5																																
			0423	0424		936.2	933.4		56																												
Y2 11+15	43	LT	0424		935.3																																
			0424	0425		933.4	933.1																											56			
L 11+24	37	RT	0433		938.0																																
			0433	0434		935.8	934.5		24																												
L 11+09	25	RT	0434		937.5																																
			0434	0435		934.5	934.4																					40									
L 11+11	15	LT	0435		937.7																																
			0435	0436		934.4	934.3		12																												
								SHEET TOTALS	124	16	24											96						1084	120	216				208			

LINE & STATION	FROM	TO	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CY	REINFORCED ENDWALLS CY	DRAINAGE STRUCTURE MASONRY CY	QUANTITIES FOR DRAINAGE STRUCTURES (NOTE: TOTAL LIN. FT. FOR PAY QUANTITY SHALL BE A + (1.3 X B)) 0' THRU 5' EACH	A 5' THRU 10' LIN. FT.	B 10' AND ABOVE LIN. FT.	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES, AND HOOD STD. 840.03 GRATE TYPE E	F	G
L 21+52	0400							1			1			1
	0400	0401												
L 21+52	0401							1			1		1	
	0401	0502												
L 18+39	0402							1			1		1	
	0402	0403												
L 18+28	0403							1			1		1	
	0403	0404												
L 18+28	0404							1	5.0	1.5	1		1	
	0404	0405												
L 17+60	0406													
	0406	0407												
L 17+54	0407							1			1			1
	0407	0412												
L 14+86	0409													
	0409	0410												
L 14+86	0410							1			1		1	
	0410	0411												
L 15+76	0411							1			1	1		
	0411	0412												
L 16+06	0412							1			1			1
	0412	0413												
Y3 11+66	0414							1						
	0414	0415												
Y3 12+61	0415							1			1		1	
	0415	0416												
Y3 12+67	0416							1			1			1
	0416	0419												
Y3 15+61	0417							1			1	1		
	0417	0418												
Y3 15+00	0418							1			1		1	
	0418	0419												
Y3 15+00	0419							1			1			1
	0419	0420												
Y3 15+79	0420							1			1			1
	0420	0421												
L 11+91	0421							1			1			1
	0421	0422												
L 11+85	0422							1			1		1	
	0422	0423												
L 12+35	0423							1			1			1
	0423	0424												
Y2 11+15	0424							1						
	0424	0425												
L 11+24	0433							1						
	0433	0434												
L 11+09	0434							1			1			1
	0434	0435												
L 11+11	0435							1			1		1	
	0435	0436												
SHEET TOTALS								23	5.0	1.5	20	2	9	9

LINE & STATION	FROM	TO	CONCRETE TRANSITIONAL SECTION D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME WITH GRATE STD. 840.20	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ GRATE STD. 840.22	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ GRATE STD. 840.29	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	DRIVEWAY D.I. STD. 840.30	FRAME W/ GRATE FOR DRIVEWAY STD. 840.30	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	M.H. FRAME AND COVER STD. 840.54	ADJUST C.B.	15" DRAINAGE PIPE ELBOW	PIPE CLEANOUT EACH	FLOWABLE FILL CY	CONCRETE COLLARS CL. "B" STD. 840.72 CY	CONCRETE AND BRICK PIPE PLUG STD. 840.71 CY	PIPE REMOVAL LIN. FT.	REMARKS
L 21+52	0400																															
	0400	0401																														
L 21+52	0401																															
	0401	0502																														
L 18+39	0402																															
	0402	0403																														
L 18+28	0403																															
	0403	0404																														
L 18+28	0404																															
	0404	0405																							2						
L 17+60	0406																															
	0406	0407																														
L 17+54	0407																															
	0407	0412																														
L 14+86	0409																															
	0409	0410																														
L 14+86	0410																															
	0410	0411																														
L 15+76	0411																															
	0411	0412																														
L 16+06	0412																															
	0412	0413																														
Y3 11+66	0414					1	1																									
	0414	0415																														
Y3 12+61	0415																															
	0415	0416																														
Y3 12+67	0416																															
	0416	0419																														
Y3 15+61	0417																															
	0417	0418																														
Y3 15+00	0418																															
	0418	0419																														
Y3 15+00	0419																															
	0419	0420																														
Y3 15+79	0420																															
	0420	0421																														
L 11+91	0421																															MIN D CB
	0421	0422																														
L 11+85	0422																															MIN D CB
	0422	0423																														
L 12+35	0423																															MIN D CB
	0423	0424																														
Y2 11+15	0424					1	1																									MIN D DI
	0424	0425																														
L 11+24	0433					1	1																									
	0433	0434																														
L 11+09	0434																															
	0434	0435																														
L 11+11	0435																															
	0435	0436																														
SHEET TOTALS						3	3																		2						

ABBREVIATIONS

C.A.A.	CORRUGATED ALUMINIUM ALLOY
C.B.	CATCH BASIN
C.S.	CORRUGATED STEEL
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
H.D.P.E.	HIGH DENSITY POLYETHYLENE
J.B.	JUNCTION BOX
M.H.	MANHOLE
N.S.	NARROW SLOT
P.V.C.	POLYVINYL CHLORIDE
R.C.	REINFORCED CONCRETE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX
W.S.	WIDE SLOT