5TYFPT3

COMPUTED BY: EMP DATE: 03/07/2023

CHECKED BY: JMM DATE: 3/22/2023

PROJECT NO.	SHEET NO.
U-2729	3D-3

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 %	C. S. PIPE 12 (.064)	C. S. PIPE 15 (.064)	C. S. PIPE 18 (.064)	C. S. PIPE 24 (.064)	R. C. PIPE CLASS IV 12	15	18	24	30	36	42
RPB 26+81	16	LT	0526		911.4														
			0526	0532		908.4	900.2			36									
L 36+57	7	LT	0527		914.7														
			0527	0525		904.8	904.6								36				
L 36+59	37	RT	0530		912.4														
			0530	0527		905.0	904.8								40				
L 36+80	64	RT	0531		908.6														
			0531	0530		905.4	905.3							32					
Y5 11+28	41	RT	0533																
			0533	0531		913.4	905.4	0.3		44									
L 35+55	7	LT	0534		916.2														
			0534	0535		912.8	911.0								44				
L 35+49	37	RT	0535		914.4														
			0535	0530		911.0	905.0								104				
L 37+66	62	RT	0536		909.7														
			0536	0537		906.7	905.0							48					
L 38+11	37	RT	0537		908.0														
			0537	0610		905.0	899.3							180					
Y6B 12+05	42	RT	0602		886.4														
			0602	0622		880.3	878.4										80		
Y6B 11+00	47	RT	0603		890.6														
			0603	0602		886.1	880.8	0.6								104			
L 43+54	59	RT	0604		892.0														
			0604	0672		888.3	886.3	0.5								36			
L 43+03	55	RT	0605		893.8														
			0605	0604		889.4	888.3									52			
L 41+55	55	RT	0606		898.2														
			0606	0605		892.7	889.4									148			
L 40+65	42	RT	0607		900.6														
			0607	0606		893.6	893.2								88				
L 40+02	3	RT	0608		904.5														
			0608	0610		900.0	899.0								36				
L 40+01	40	RT	0610		902.3														
			0610	0607		899.0	893.6								60				
L 43+03	13	LT	0612		893.7														
			0612	0605		889.7	888.4	0.3								64			
Y6A 16+45	52	RT	0613		897.4														
			0613	0656		894.1	893.3	0.8							48				
Y6A 16+18	52	RT	0614		897.9														
			0614	0613		894.7	894.1	0.7							28				
Y6A 15+50	52	RT	0615		899.5														
			0615	0614		896.3	894.7	0.6							66				
Y6A 14+17	37	RT	0616		903.9														
			0616	0615		900.3	896.3	0.5							132				
Y6A 14+17	42	LT	0617		903.7														
			0617	0616		900.4	900.0								76				
Y6A 12+50	32	LT	0618		908.1														
			0618	0617		905.1	900.7	0.5						168					
Y6A 11+94	29	LT	0619		910.2														
SHEET TOTALS										80				428	758	404	80		

LINE & STATION	FROM	TO	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	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	CONCRETE BRIDGE APPROACH D.I. STD. 840.13	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16
RPB 26+81	0526					1			1		1							
	0526	0532																
L 36+57	0527					1	5.0										1	1
	0527	0525																
L 36+59	0530					1	2.4		1		1							
	0530	0527																
L 36+80	0531					1											1	1
	0531	0530																
Y5 11+28	0533																	
	0533	0531																
L 35+55	0534					1											1	1
	0534	0535																
L 35+49	0535					1			1		1							
	0535	0530																
L 37+66	0536					1			1		1							
	0536	0537																
L 38+11	0537					1			1		1							
	0537	0610																
Y6B 12+05	0602					1	1.0		1		1							
	0602	0622																
Y6B 11+00	0603					1			1		1							
	0603	0602																
L 43+54	0604					1			1		1							
	0604	0672																
L 43+03	0605					1			1		1							
	0605	0604																
L 41+55	0606					1	0.6		1		1							
	0606	0605																
L 40+65	0607					1	2.0		1		1							
	0607	0606																
L 40+02	0608					1											1	1
	0608	0610																
L 40+01	0610					1			1		1							
	0610	0607																
L 43+03	0612					1											1	1
	0612	0605																
Y6A 16+45	0613					1			1		1							
	0613	0656																
Y6A 16+18	0614					1			1		1							
	0614	0613																
Y6A 15+50	0615					1			1		1							
	0615	0614																
Y6A 14+17	0616					1			1		1							
	0616	0615																
Y6A 14+17	0617					1			1			1						
	0617	0616																
Y6A 12+50	0618					1			1			1						
	0618	0617																
Y6A 11+94	0619					1			1			1						
SHEET TOTALS						24	11.0		19		16	3					5	5

LINE & STATION	FROM	TO	J.B. STD. 840.31 OR STD. 840.32	ANGLED VANE GRATES AND FRAMES STD. 840.33	T.B.J.B. STD. 840.34	T.B.D.I. STD. 840.35	T.B.D.I. FOR STEEL GRATES STD. 840.36	STEEL FRAME WITH TWO GRATES STD. 840.37	TEMP STEEL PLATE COVER MASONRY DRAINAGE	##" SPRING BOX PIPE	SPRING BOX STD. 840.41	M.H. STD. 840.51, STD. 840.52, OR STD. 840.53	M.H. FRAME AND COVER STD. 840.54	CONVERT EXISTING J.B. TO D.I.	ADJUST C.B.	ADJUST D.I.	ADJUST M.H	##" SIDE DRAIN PIPE ELBOW	##" SIDE DRAIN PIPE ELBOW	##" SIDE DRAIN PIPE ELBOW	##" R.C. ELBOW	15" C.S. ELBOW	18" C.S. ELBOW	24" C.S. ELBOW	30" C.S. ELBOW	36" C.S. ELBOW	##" C.S. ELBOW
RPB 26+81	0526																										
	0526	0532																				2					
L 36+57	0527																										
	0527	0525																									
L 36+59	0530																										
	0530	0527																									
L 36+80	0531																										
	0531	0530																									
Y5 11+28	0533																										
	0533	0531																				2					
L 35+55	0534																										
	0534	0535																									
L 35+49	0535																										
	0535	0530																									
L 37+66	0536																										
	0536	0537																									
L 38+11	0537																										
	0537	0610																									
Y6B 12+05	0602																										
	0602	0622																									
Y6B 11+00	0603																										
	0603	0602																									
L 43+54	0604																										
	0604	0672																									
L 43+03	0605																										
	0605	0604																									
L 41+55	0606																										
	0606	0605																									
L 40+65	0607																										
	0607	0606																									
L 40+02	0608																										
	0608	0610																									
L 40+01	0610																										
	0610	0607																									
L 43+03	0612																										
	0612	0605																									
Y6A 16+45	0613																										
	0613	0656																									
Y6A 16+18	0614																										
	0614	0613																									
Y6A 15+50	0615																										
	0615	0614																									
Y6A 14+17	0616																										
	0616	0615																									
Y6A 14+17	0617																										
	0617	0616																									
Y6A 12+50	0618																										
	0618	0617																									
Y6A 11+94	0619																										
SHEET TOTALS																						4					

LINE & STATION	FROM	TO	BERM DITCH OUTLET STD. 850.10 (PER EACH)	BERM DITCH OUTLET STD. 850.11 (PER EACH)	##" SLUICE GATE (##" SIZE SLUICE GATE)	MODIFIED CONC. FLUME	PREFORMED SCOUR HOLE (PER EACH)	ENERGY DISSIPATION BASIN	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
RPB 26+81	0526												
	0526	0532											
L 36+57	0527												
	0527	0525											
L 36+59	0530												
	0530	0527										152	
L 36+80	0531												
	0531	0530											
Y5 11+28	0533												Ex. CB
	0533	0531											
L 35+55	0534												
	0534	0535											
L 35+49	0535												
	0535	0530											
L 37+66	0536												
	0536	0537										57	
L 38+11	0537												
	0537	0610										238	
Y6B 12+05	0602												
	0602	0622										230	
Y6B 11+00	0603												
	0603	0602											
L 43+54	0604												
	0604	0672											
L 43+03	0605												
	0605	0604											
L 41+55	0606												
	0606	0605										350	
L 40+65	0607												
	0607	0606											
L 40+02	0608												
	0608	0610											
L 40+01	0610												
	0610	0607											
L 43+03	0612												
	0612	0605										172	
Y6A 16+45	0613												
	0613	0656											
Y6A 16+18	0614												
	0614	0613											
Y6A 15+50	0615												
	0615	0614											
Y6A 14+17	0616												
	0616	0615										525	
Y6A 14+17	0617												
	0617	0616										56	
Y6A 12+50	0618												
	0618	0617											
Y6A 11+94	0619												
SHEET TOTALS												1780	

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