COMPUTED BY:	MJD	DATE:	1/11/2012
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PROJECT NO.	SHEET NO.
U-3465	3D-1

RD266446

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".

SUB-REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Station	Location (LT, RT, or CL)	Structure No. From	Structure No. To	Top Elevation	Invert Elevation	Invert Elevation	Slope Critical	Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	Do Not Use RCP	Do Not Use CSP	Do Not Use CAAP	Do Not Use HDPE
-L-																			
25+50	RT	401	402		295.7	293.9													
25+60	LT	402		297.1	292.9														
	LT	402	403		292.9	292.8	X					32							
	LT	402	404		292.9	293.4	X												
27+25	LT	404		299.3	293.4														
	LT	404	405		293.4	294.0	X												
29+50	LT	405		298.2	294.0														
	LT	405	406		294.0	294.4	X												
30+25	LT	406		297.7	294.4														
	LT	406	417		294.4	294.7	X												
32+25	LT	407		298.3	295.1														
32+25	LT	407	502		295.3	297.3													
26+60	RT	408		299.5	296.5														
	RT	408	409		296.5	296.2			28										
28+80	RT	410		298.6	295.6														
	RT	410	418		295.6	295.1													
30+25	RT	411		297.6	294.6														
	RT	411	412		294.6	294.3	X												
-Y-																			
11+00	RT	412		297.8	294.3														
	RT	412	413		294.3	293.5			28										
-L-																			
32+25	RT	414		298.4	295.4														
	RT	414	415		295.4	294.6													
-Y-																			
11+00	LT	415		297.6	294.6														
	LT	415	416		294.6	294.5			28										
-L-																			
31+25	LT	417		299.5	294.7														
	LT	417	407		294.7	295.1	X												
29+56	RT	418		298.4	295.1	295.1													
	RT	418	411		295.1	294.6													
32+25	RT	414	501		295.4	297.3													
34+00	RT	501		300.3	297.3														
34+00	LT	502		300.3	297.3														
	LT	502	503		297.3	299.1													
36+80	LT	503		302.6	299.1														
	LT	503	504		299.1	299.1	X		16								X	X	
36+80	LT	504		301.9	299.1														
36+80	RT	505		302.6	299.6														
	RT	505	506		299.6	299.5	X		20										
41+50	LT	507			299.4														
	LT	507	508		299.4	298.8			20										
	LT	508		301.8	298.8														
	LT	508	509		298.8	298.1	X												
-YA2-																			
18+50	RT	509		302.2	298.1														
	RT	509	514		298.1	297.6	X												
18+50	LT	514		302.3	297.6														
	LT	514	513		299.1	299.6	X												
17+75	LT	513		303.5	299.6														
	LT	513	511		300.5	300.8													
17+75	CL	511		304.0	300.8														
SHEET TOTALS									140			32							

Station	Location	From	To	C.S. Pipe 12"	15"	18"	24"	30"	36"	42"	48"	R.C. Pipe Class III 12"	15"	18"	24"	30"	36"	42"	48"	R.C. Pipe Class IV 12"	15"	18"	24"	30"	36"	42"
Thickness or Gauge				.064	.064	.064	.064	.079	.079	.109	.109															
25+50	RT	401	402																			100				
	LT	402	404																				168			
	LT	404	405																				228			
	LT	405	406																			76				
	LT	406	417																			112				
32+25	LT	407	502																		176					
	RT	410	418																		76					
	RT	411	412																		76					
	RT	414	415																		72					
	LT	417	407																			112				
	RT	418	411																		72					
32+25	RT	414	501																		176					
	LT	502	503																		280					
	LT	508	509																		76					
	RT	509	514																			96				
	LT	514	513																		80					
	LT	513	511																		20					
SHEET TOTALS																					1104	496	396			

Station	Location	From	To	24" Welded Steel Pipe, 0.5" Thick	30" Welded Steel Pipe, 0.5" Thick	36" Welded Steel Pipe, 0.5" Thick	4 Side Open Throat Catch Basin (See Detail 2C-6)	Adjust CB	Adjust DI	Convert TBDI to TBJB (See Detail 2C-4)	Temp. Steel Plate Covers for Drainage Structures (See Detail 2C-5)	Quantities for Drainage Structures: Per Each (0' thru 5.0')	*Total L.F. for Pay Quantity Shall Be Col. 'A' + (1.3 X Col.'B') Lin. Ft. A: 5.0' thru 10.0'	B: 10.0' and Above	C.B. Std. 840.01 or Std. 840.02	Frame, Grates, and Hood Standard 840.03 Type of Grate E	F	G
25+60	LT	402										1						
27+25	LT	404										1	0.9		1			1
29+50	LT	405										1			1			1
30+25	LT	406										1			1	1		
32+25	LT	407										1			1	1		
26+60	RT	408										1			1		1	
28+80	RT	410										1			1		1	
30+25	RT	411										1			1	1		
11+00	RT	412										1			1	1		
32+25	RT	414										1			1	1		
11+00	LT	415										1			1	1		
31+25	LT	417										1			1		1	
29+56	RT	418										1			1		1	
34+00	RT	501										1			1			1
34+00	LT	502										1			1		1	
36+80	LT	503										1			1		1	
36+80	LT	504										1						
36+80	RT	505										1			1			1
	LT	508										1			1	1		
18+50	RT	509										1			1		1	
18+50	LT	514										1			1	1		
17+75	LT	513										1			1			1
17+75	CL	511										1						
SHEET TOTALS												23	0.9		20	8	7	5

Station	Location	From	To	Concrete Transitional Section: Drop Inlet	Catch Basin	O.T.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	Grate with Frame, Driveway Drop Inlet Std. 840.30	G.D.I. Type "B" Std. 840.18 or 840.27	G.D.I. Type "D" Std. 840.19 or 840.28	T.B.D.I. Std. 840.35	G.D.I. (N.S.) Frame with Two Grates Std. 840.29	M.H. Frame and Cover Std. 840.54	G.D.I. (N.S.) Frame with Two Grates Std. 840.24	J.B. Std. 840.31 or 840.32	T.B.J.B. Std. 840.34	4" Concrete Paved Ditch, S.Y.	Energy Dissipator Basin	Flowable Fill (CY)	Drainage Pipe Elbows No. & Size	Conc. & Brick Pipe Plug, C.Y. Std. 840.71	Conc. Collars Cl. 'B' C.Y. Std. 840.72	Pipe Removal Lin. Ft.	Remarks
25+60	LT	402												1			1								REMOVE 24" RCP AT PROPOSED PIPE
36+80	LT	504									1				1										
17+75	CL	511		1			1	1																	
SHEET TOTALS				1			1	1			1			1	1		1								

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)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX