

DOC:027448

COMPUTED BY: BRC DATE: 7/26/13
CHECKED BY: BJH DATE: 7/26/13

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. W-5306
SHEET NO. 3-A

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)

Table with columns: LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, R.C. PIPE CLASS IV, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, GRATE TYPE, and REMARKS. Includes a SHEET TOTALS row at the bottom.

ABBREVIATIONS table listing codes like C.A.A., C.B., C.S., D.I., G.D.I., H.D.P.E., J.B., M.H., N.S., P.V.C., R.C., T.B.D.I., T.B.J.B., W.S. and their corresponding descriptions.

REMARKS

COMPUTED BY: BRC DATE: 7/26/13
 CHECKED BY: BJH DATE: 7/26/13

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS**

PROJECT NO. W-5306 SHEET NO. 3-B

**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		TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %	(RCP, CSP, CAAP, HDPE, or PVC)				R. C. PIPE CLASS IV				QUANTITIES FOR DRAINAGE STRUCTURES			FRAME, GRATES, AND HOOD STD. 840.03	GRATE TYPE	REMARKS										
		FROM	TO					12	15	18	24	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	12	15				18	24	30	36	42	48	E	F	G	
DET-12+66	CL			19.8	19.5	0.3	104																			104	Temporary Pipe For Traffic Control				
SHEET TOTALS							104																				104				
PROJECT TOTALS							104	48						1,388			25	12.2	19	5	5	9				1	1	5		5	548

ABBREVIATIONS

C.A.A. CORRUGATED ALUMINUM 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. POLYVINYLCHLORIDE
 R.C. REINFORCED CONCRETE
 T.B.D.I. TRAFFIC BEARING DROP INLET
 T.B.J.B. TRAFFIC BEARING JUNCTION BOX
 W.S. WIDE SLOT

COMPUTED BY: DNL DATE: 03/07/14
 CHECKED BY: MPK DATE: 05/15/14

PROJECT NO. W-5306 SHEET NO. 3-C

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

SUMMARY OF EARTHWORK

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- 31+00	-L- 41+00	659	136		523
-L- 51+50	-L- 58+50	8	179	171	
-L2- 34+00	-L2- 43+00	254	73		182
-TA1- 11+00	-TA1- 12+50	261	30		231
-Y1- 12+00	-Y1- 14+00	453	31		422
SUBTOTALS:		1,635	449	171	1,358
-Y2- 10+00	-Y2- 12+00	170	359	189	
-Y3- 10+75	-Y3- 11+50	83			83
-Y4- 10+50	-Y4- 12+00	235	49		186
-Y5- 15+50	-Y5- 15+00	637	76		561
-Y6- 10+50	-Y6- 11+00	8	20	12	
SUBTOTALS:		1,133	504	201	830
-RAB NB- 12+00	-RAB NB- 15+50	79	1,314	1,235	
-RAB SB- 16+0	-RAB SB- 20+0	74	1,721	1,647	
SUBTOTALS:		153	3,035	2,882	
PROJECT TOTALS:		2,921	3,988	3,254	2,187
ADDITIONAL UNDERCUT		500			
BORROW FOR GRADING PAVEMENT REMOVAL AREAS				2,443	
WASTE IN LIEU OF BORROW				-2,187	
PROJECT TOTALS:		3,421	3,988	3,510	
EST. 5% TO REPLACE TOP SOIL ON BORROWPIT				176	
GRAND TOTALS:		3,421	3,988	3,686	
BORROW EXCAVATION				3,686	
SELECT GRANULAR MATERIAL CLASS II			500		
SAY:				3,686	

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L1-	13+32.44	22+18.82	CL	1,591			
-L2-	25+39.30	37+27.32	CL	2625			
-Y2-	11+09.58	11+40.25	LT	32			
-Y3-	10+80.61	10+96.48	RT	12			
RABNB-	12+17.65	14+12.12	CL	212			
RABSB-	16+29.41	18+11.00	CL	413			
TOTAL:				4,885			
SAY:				4,885			

THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.