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DRAINAGE SUMMARY SHEET

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

DATE: JANUARY 19, 2015

PROJECT REFERENCE NO.	SHEET NO.
P-4900A	3B
R/W SHEET NO.	

RALD046

COMPUTED BY:	JFW	DATE:	9/23/14
CHECKED BY:	BRC	DATE:	9/26/14

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 54 INCHES & OVER)

LINE & STATION / SIZE / THICKNESS OR GAUGE	OFFSET	STRUCTURE NUMBER FROM	STRUCTURE NUMBER TO	TOP ELEVATION FT.	INVERT ELEVATION FT.	INVERT ELEVATION FT.	MINIMUM REQUIRED SLOPE %
L 90+44.2	CL	R1001	OUT		156.47	154.76	

LINE & STATION	R. C. PIPE CLASS III 12	15	18	24	30	36	42	48	54	60	66	72	78	84	
L 90+44.2															
SHEET TOTALS															
PROJECT TOTALS															

LINE & STATION	R. C. PIPE CLASS IV 12	15	18	24	30	36	42	48	54	60	66	72	78	84	
L 90+44.2															
SHEET TOTALS															
PROJECT TOTALS															

LINE & STATION	R. C. PIPE CLASS V (Under RR) 12	15	18	24	30	36	42	48	54	60	66	72	78	84	
L 90+44.2										80					
SHEET TOTALS										80					
PROJECT TOTALS										80					

LINE & STATION	STRUCTURAL PLATE PIPE 60	66	72			ENDWALLS STD. 838.01 (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	5' THRU 10' (A) LIN. FT.	10' AND ABOVE (B) 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	PIPE REMOVAL LIN. FT.	REMARKS
L 90+44.2							11.200													
SHEET TOTALS							11.200													
PROJECT TOTALS							11.200													

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

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