6/21/08

COMPUTED BY: M. COPPLE DATE: 01-15-03
CHECKED BY: S. CLARK DATE: 3-14-05

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-3681	3-A

PARCEL INDEX

PARCEL NO.	SHEET NO.	PROPERTY OWNER NAME
1	4	J.O.G. DEVELOPMENT, L.L.C.
2	4, 5	ROCKY MOUNT PUBLISHING COMPANY, INC.
3	5	BARCALO MANUFACTURING CORPARATION

SUMMARY OF EARTHWORK

STATION TO STATION	UNCLASIFIED EXCAVATION (cu. yds)	UNDERCUT (cu. yds)	ROADWAY EMBANKMENT +% (cu. yds)	BORROW (cu. yds)	WASTE (cu. yds)
SUMMARY #1					
-L- STA. 10+00.00 -L- STA. 17+64.64 (BEGIN BRIDGE)	174		17,489	17,315	
SUMMARY #2					
-L- STA. 19+96.89 (END BRIDGE) -L- STA. 30+00.00	373		17,886	17,513	
SUBTOTAL (SUMMARIES 1-2)	547		35,375	34,828	
EST. 5% FOR REPLACING TOPSOIL ON BORROW PITS				1,741	
GRAND TOTAL	547		35,375	36,569	
SAY	550			36,570	

ESTIMATED UNDERCUT = 500 CY.
ESTIMATED DRAINAGE DITCH EXCAVATION= 1,510 C.Y.

ASPHALT PAVEMENT REMOVAL SUMMARY

STATION TO STATION	SQUARE YARDS
-L- STA. 14+19 TO STA. 18+30	239
-L- STA. 14+95 TO STA. 18+15	721
-L- STA. 19+80 TO STA. 27+92	567
-L- STA. 19+65 TO STA. 25+50	1,369
PROJECT TOTAL	2,896
SAY	2,900

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS									IMPACT ATTENUATOR TYPE 350	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350	M-350	XIII	CAT-A	VI MOD	BIC	TYPE III					
-L-	11+33.70	17+33.70	RT.	600.00'				17+33.70	10'	13'	100'		2'				1						1					
-L-	11+66.12	17+66.12	LT.	600.00'			17+66.12		10'	13'		100'		2'			1						1					
-L-	19+95.72	27+58.22	RT.	762.50'			19+95.72		10'	13'		100'		2'			1						1					
-L-	20+26.85	27+39.35	LT.	712.50'				20+26.85	10'	13'	100'		2'				1						1					
-L-	11+40.00	18+13.00	RT.																						673'		
-L-	19+63.00	27+46.00	RT.																						783'		
-L-	11+87.00	18+34.00	LT.																						647'		
-L-	19+83.00	27+46.00	LT.																						763'		
							DEDUCTION FOR ANCHOR UNITS:			... 5 ADDITIONAL GUARDRAIL POSTS																	
SUBTOTAL				2,675.00'			4 GRAU-350 @ 50.00' = 200.00'																				
DEDUCTIONS FOR ANCHOR UNITS:				-275.00'			4 TYPE III @ 18.75' = 75.00'																				
								275.00'																				
TOTAL				2,400.00'																							
			SAY	2,400.00'													4						4		2866'		

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (LT.RT. OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12"	15"	18"	24"	30"	36"	42"	48"	BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHRWISE) 12"	15"	18"	24"	30"	36"	42"	48"	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	24" SIDE DRAIN PIPE	ENDWALLS STD. 838.01 OR STD. 838.11 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL 'A' + (1.3 X COL 'B') LIN. *FT. PER EACH (0' THRU 5.0')	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	M.D.I. TYPE "B" STD. 840.18 OR 840.27	M.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	PREFORMED SCOUR HOLE SEE DETAIL SHEET 2-A	PIPE CLEAN-OUT	CORR. STEEL ELBOWS NO. & SIZE (BITUMINOUS COATED)	CONC. COLLARS CL. B STD. 840.72	PIPE REMOVAL (FT.)	REMARKS
-L- 9+26	RT.	1								4																												
-L- 10+05	RT.	2		82.38	76.25	76.23																					1		1				1					.447		REMOVE EXISTING CB
-L- 17+37	LT.	3		111.28																							1				1	1						
-L- 17+37	LT.	3	4		108.53	107.82			56																														
-L- 17+05	RT.	4		110.42																							1					1	1						
-L- 17+05	RT.	4	5		107.67	74.00											76																				2-15"			
-L- 17+05	RT.	5																																1						
-L- 20+55	LT.	6		110.96																							1					1	1					56	
-L- 20+55	LT.	6	7		108.21	107.50			56																														
-L- 20+24	RT.	7		111.69																							1					1	1					42	
-L- 20+24	RT.	7	8		107.35	73.40											80																				2-15"			
TOTALS									112	4							156										5		1			4	4	1	1		4-15"	.50	98	

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
M.D.I.	MEDIAN DROP INLET
M.D.I. (N.S.)	MEDIAN DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUCTION BOX

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SYSTIME=$$$$$$$$ DGN=$$$$$$$$