COMPUTED BY: MRHUSSEY DATE: 07-08-03
CHECKED BY: BWEDEKING DATE: 07-15-03

6/21/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
B-4334	3-A

STATIONS REFERENCE FROM -L-
UNLESS OTHERWISE DENOTED

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

STATION / SIZE / THICKNESS OR GAUGE	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 ENDWALLS STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') PER EACH (0' THRU 5.0')	LIN. *FT. A: 5.0' THRU 10.0'	LIN. *FT. 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	TB D.I. STD. 840.35	D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.29	15" CORR. STEEL ELBOWS	PIPE CLEANOUT (EA)	PIPE REMOVAL LIN.FT.	REMARKS
-Y1- 13+38	CL																																										1		
21+28	RT	1																						32																				25	REMOVE 12" CONC
25+20	RT	2		654.57	651.82																								1						1	1								
25+68	RT	2	3				X		68																																				
25+91	RT	3		654.24	651.49																								1						1	1								
25+91	RT	3	4		651.39	638.83											44																							2				
29+04	RT	5		653.37	650.62																								1						1	1								
29+32	RT	5	6				X		64																																				
29+68	RT	6		652.98	650.23																								1						1	1								
29+68	RT	6	7		650.13	636.94											64																							2				
32+12	LT	8																								120																			
33+11	RT	9																						24																				20	REMOVE 12" CONC
34+77	LT	10																								28																			
35+75	LT	11																								24																			
30+17	LT																																											52	REMOVE 18" CONC
30+40	RT																																											20	REMOVE 15" CONC
31+84	RT	12																						24																				16	REMOVE 12" CONC
TOTALS									132								108							80		172			4					4	4							4	1	133	

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

"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.
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH STRAIGHT	LENGTH SHOP CURVED	LENGTH DOUBLE FACED	WARRANT POINT APPROACH END	WARRANT POINT TRAILING END	"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH APPROACH END	FLARE LENGTH TRAILING END	W APPROACH END	W TRAILING END	ANCHORS GRAU 350	ANCHORS TYPE III	IMPACT ATTENUATOR TYPE 350 EA	IMPACT ATTENUATOR TYPE 350 G	IMPACT ATTENUATOR TYPE 350 NG	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	23+09.49	26+09.49	RT	300			26+09.49		8	11	281.25		6.63		1	1							
-L-	23+71.99	26+09.49	LT	237.5				25+00	8	11		218.75		4.63	1	1							
-L-	28+88.50	30+26.00	RT	137.5				28+88.50	8	11		118.75		3.38	1	1							
-L-	28+88.50	31+38.50	LT	250			28+88.50		8	11	231.25		5.88		1	1							
			TOTAL	925											4	4							
	ANCHOR DEDUCTIONS:																						
	4 GRAU 350's @ 50' Ea. =			200'																			
	4 TYPE III's @ 18.75' Ea. =			75'																			
			GRAND TOTAL	650																			
			SAY	700											4	4							

ADDITIONAL GR POSTS: 5 EA.

RIGHT OF WAY AREA DATA

PARCEL NO.	PROPERTY OWNERS NAMES	TOTAL ACREAGE	AREA TAKEN	AREA REMAINING RT.	AREA REMAINING LT.	CONST. EASE.	PERM. DRAIN. EASE.	TEMP. DRAIN. EASE.
1	MICKEY WAYNE LANDRETH & WIFE TRACE MARTIN LANDRETH	13.263 Ac	1463.4 SF		13.229 Ac			
2	JAMES R. SWING, III	6.81 Ac	0.545 Ac	6.265 Ac				
3	SIDNEY LYLE NO INFORMATION		0.476 Ac					
4	WHITE OAK TRANSPORT, INC	56.10 Ac	0.629 Ac		55.471 Ac			
5	CLINARD J.R. PRESNELL & PAMELA G. PRESNELL	9.61 Ac	0.579 Ac	9.031 Ac				
6	WANDA WILSON GOBBLE	2.008 Ac	2930.3 SF		1.941 Ac			
7	BEALLGRAY FARM, INC.	1.147 Ac	2312 SF		1.094 Ac			
8	ROBERT L. GRUBB, TRUSTEE OF JUNE C. LITTLE	131 Ac	1552.5 SF	130.964 Ac				

PAVEMENT REMOVAL/BREAKING SUMMARY

LINE	STATION - STATION	LOCATION	AREA REMOVAL (SY)	AREA BREAKING (SY)
-L-	22+50 - 22+75	FULL WIDTH	66.7	
-L-	22+75 - 26+20	FULL WIDTH		920
-L-	26+20 - 26+87	FULL WIDTH	178.7	
-L-	28+76 - 29+26	FULL WIDTH	133.3	
-L-	29+26 - 32+75	FULL WIDTH		930.7
-L-	32+75 - 33+00	FULL WIDTH	66.7	
TOTALS			445.4	1850.7
SAY			450	1875

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCVATION, SHOULDER BORROW, FINE GRADING, CLEARING AND GRUBBING, BREAKING OF EXISTING PAVEMENT AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	TOTAL UNCLASS	UNDERCUT	EMBT+%	BORROW	WASTE
SUMMARY NO.1					
-L- RT-WID 18+50 TO 22+50	47	0	169	122	0
-L- LT-WID 18+50 TO 22+50	20	0	326	306	0
-L- FULL 22+50 TO 26+52	0	0	8,968	8,968	0
TOTALS SUMMARY NO. 1	67	0	9,463	9,396	0
SUMMARY NO. 2					
-L- FULL 28+33 TO 32+50	196	0	9,091	8,895	0
-L- LT-WID 32+50 TO 36+50	7	0	245	238	0
-L- RT-WID 32+50 TO 36+50	14	0	178	164	0
TOTALS SUMMARY NO. 2	217	0	9,514	9,297	0
SUMMARY TOTALS	284	0	18,977	18,693	0
LOSS DUE TO CLRNG&GRUB	-40			+40	
PROJECT TOTAL	244			18,733	
+5% REPLACE TOPSOIL @					
BORROW PIT				+937	
GRAND TOTAL	244			19,670	
SAY	250			19,700	
EST. DDE 360 CY					
EST. UNDERCUT 250 CY					
SELECT GRANULAR MATERIAL 250 CY					

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