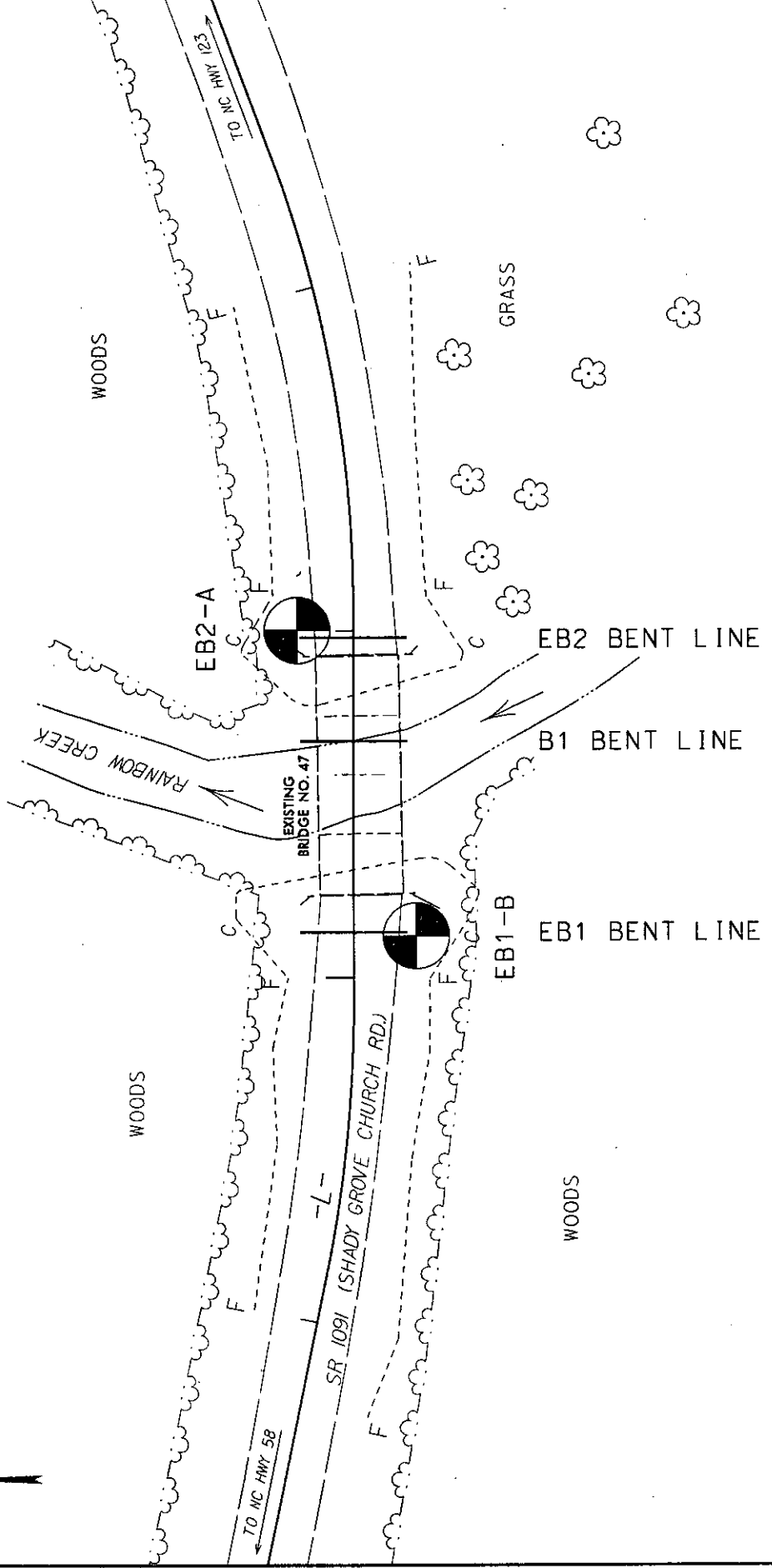


SKEW = 90°



15

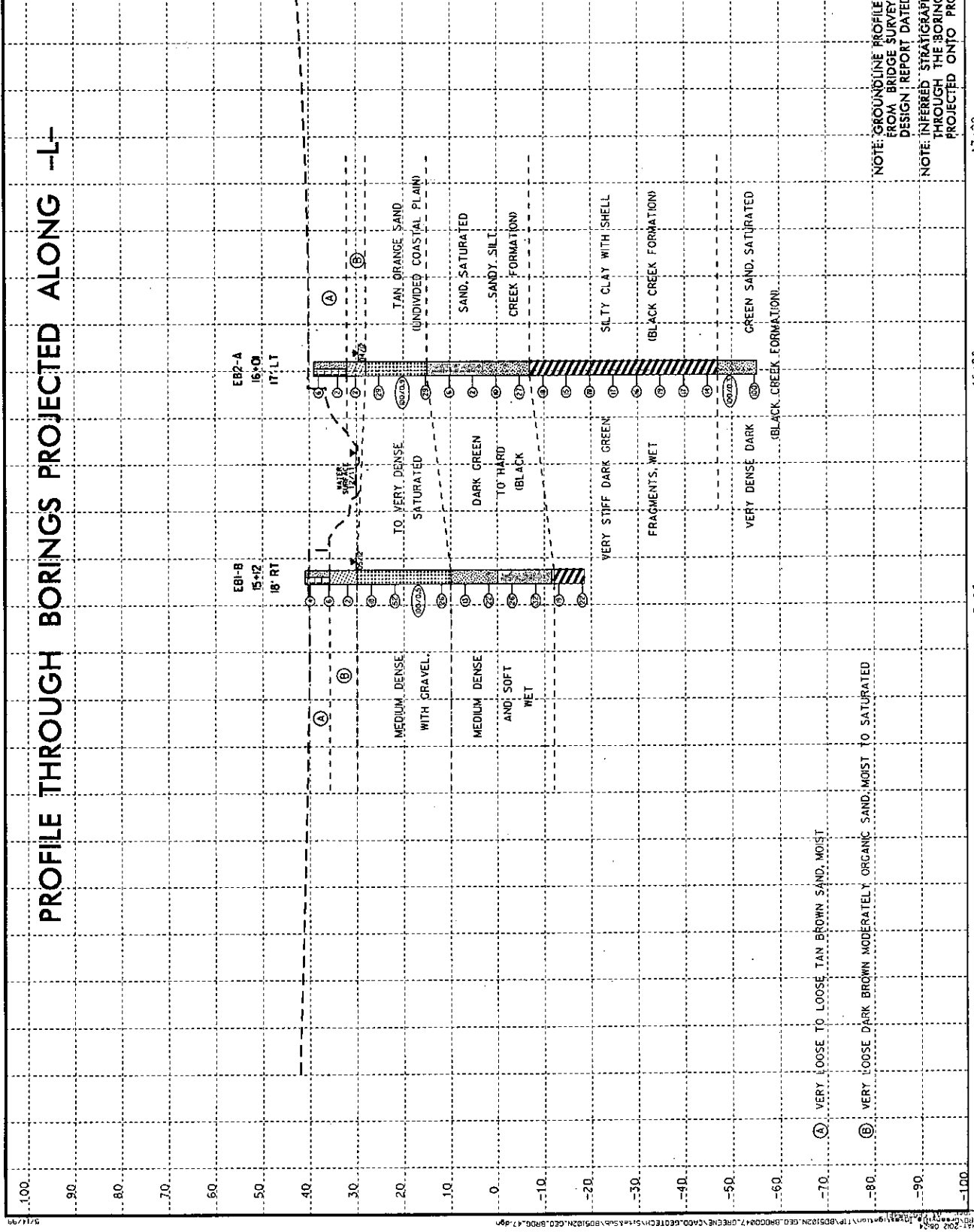
17



**INCOMPLETE PLANS
 PRELIMINARY PLANS
 DO NOT USE FOR CONSTRUCTION**

PROFILE THROUGH BORINGS PROJECTED ALONG -L-

VE. = 2.0 70



(A) VERY LOOSE TO LOOSE TAN BROWN SAND, MOIST

(B) VERY LOOSE DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SATURATED

NOTE: GROUNDLINE PROFILE ALONG -L- TAKEN FROM BRIDGE SURVEY AND HYDRAULIC DESIGN REPORT DATED 3/16/12

NOTE: INFERRED STRATIGRAPHY IS DRAWN THROUGH THE BORINGS WITH BOTH PROJECTED ONTO PROFILE.

NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 45348.1.14		TIP BD-5102N		COUNTY GREENE		GEOLOGIST Agentbright, D. N.	
SITE DESCRIPTION BRIDGE NO. 47 ON L-L (SR 1091) OVER RAINBOW CREEK							
BORING NO. EB1-B		STATION 15+12		OFFSET 18 ft RT		ALIGNMENT L-	
COLLAR ELEV. 40.9 ft		TOTAL DEPTH 59.5 ft		NORTHING 608,174		EASTING 2,416,623	
DRILLER Smith, R. E.				DRILL METHOD Mad Robey			
START DATE 04/30/12				COMP. DATE 04/30/12			
SURFACE WATER DEPTH N/A				HAMMER TYPE Automatic			
GROUND WTR (ft)				0 HR. N/A			
24 HR. 10.8							
DEPTH (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	SOIL AND ROCK DESCRIPTION	DEPTH (ft)
45							
40	40.9	0.0	2	GROUND SURFACE	40.9	GROUND SURFACE	0.0
				ROADWAY EMBANKMENT		TAN BROWN SAND, MOIST	
35	38.9	4.0	4		35.7		5.2
				ALLUVIAL		DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SAT.	
30	32.9	8.0	1		29.9		11.0
				UNDIVIDED COASTAL PLAIN		TAN ORANGE SAND WITH GRAVEL, SAT.	
25	27.9	13.0	5				
20	22.9	18.0	19				
15	17.9	23.0	53				
10	12.9	28.0	10		9.9		31.0
				COASTAL PLAIN		DARK GREEN SAND, SAT. (BLACK CREEK FORMATION)	
5	7.9	33.0	5				
0	2.9	38.0	8		9.1		41.0
				COASTAL PLAIN		DARK GREEN SANDY SILT, WET (BLACK CREEK FORMATION)	
-5	-2.1	43.0	7				
-10	-7.1	48.0	8				
-15	-12.1	53.0	7		11.6		52.5
				COASTAL PLAIN	12.1	DARK GREEN SILTY CLAY WITH SHELL FRAGMENTS, WET (BLACK CREEK FORMATION)	53.0
					18.5		59.5

Boring Terminated at Elevation -18.8 ft in very stiff clay

07SCORE DOUBLE B05102N GPJ NC DOT1601 9712

NCDOT GEOTECHNICAL ENGINEERING UNIT
BORELOG REPORT

WBS 45348.1.14		TIP BD-5102N		COUNTY GREENE		GEOLOGIST: Wilke, C. M.	
SITE DESCRIPTION BRIDGE NO. 47 ON L-L (SR 1091) OVER RAINBOW CREEK							
BORING NO.	EB2-A	STATION	16+01	OFFSET	17 R.L.T.	ALIGNMENT	L-
COLLAR ELEV.	39.0 R	TOTAL DEPTH	94.3 R	NORTHING	608,208	EASTING	2,416,711
DRILL RIG/HAMMER EFF./DATE		GFO 042 CME-550 87% 09/03/2009		DRILL METHOD		Mod Rotary	
DRILLER		Smith, R. E.		START DATE		04/26/12	
SURFACE WATER DEPTH		N/A					
GROUND WTR (R)		0 HR. N/A					
0 HR.		24 HR. 9.5					
HAMMER TYPE		Automatic					

DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT	0.5R	0.5R	0.5R	0.5R	SOIL AND ROCK DESCRIPTION
-4.0							
-4.5	43.8	4	6	8			GROUND SURFACE ROADWAY EMBANKMENT TAN SAND, MOIST
-5.0	48.8	44	1000				ALLUVIAL DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SAT.
-5.5	53.8	31	48	54			UNGRAVELLED COASTAL PLAIN TAN SAND WITH GRAVEL, SAT.

DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT	0.5R	0.5R	0.5R	0.5R	SOIL AND ROCK DESCRIPTION
-4.0							
-4.5	42.8	4	6	8			GROUND SURFACE ROADWAY EMBANKMENT TAN SAND, MOIST
-5.0	47.8	44	1000				ALLUVIAL DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SAT.
-5.5	52.8	31	48	54			UNGRAVELLED COASTAL PLAIN TAN SAND WITH GRAVEL, SAT.

WBS 45348.1.14		TIP BD-5102N		COUNTY GREENE		GEOLOGIST: Wilke, C. M.	
SITE DESCRIPTION BRIDGE NO. 47 ON L-L (SR 1091) OVER RAINBOW CREEK							
BORING NO.	EB2-A	STATION	16+01	OFFSET	17 R.L.T.	ALIGNMENT	L-
COLLAR ELEV.	39.0 R	TOTAL DEPTH	94.3 R	NORTHING	608,208	EASTING	2,416,711
DRILL RIG/HAMMER EFF./DATE		GFO 042 CME-550 87% 09/03/2009		DRILL METHOD		Mod Rotary	
DRILLER		Smith, R. E.		START DATE		04/26/12	
SURFACE WATER DEPTH		N/A					
GROUND WTR (R)		0 HR. N/A					
0 HR.		24 HR. 9.5					
HAMMER TYPE		Automatic					

DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT	0.5R	0.5R	0.5R	0.5R	SOIL AND ROCK DESCRIPTION
-4.0							
-4.5	40.0	3					GROUND SURFACE ROADWAY EMBANKMENT TAN SAND, MOIST
-5.0	45.0	2					ALLUVIAL DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SAT.
-5.5	50.0	3	11	18			UNGRAVELLED COASTAL PLAIN TAN SAND WITH GRAVEL, SAT.

DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT	0.5R	0.5R	0.5R	0.5R	SOIL AND ROCK DESCRIPTION
-4.0							
-4.5	39.0	3					GROUND SURFACE ROADWAY EMBANKMENT TAN SAND, MOIST
-5.0	44.0	2					ALLUVIAL DARK BROWN MODERATELY ORGANIC SAND, MOIST TO SAT.
-5.5	49.0	3	11	18			UNGRAVELLED COASTAL PLAIN TAN SAND WITH GRAVEL, SAT.