

STATE OF NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

STATE	STATE PROJECT NUMBERING NO.	SHEET	TOTAL
N.C.	B-5547	1	5

CONTENTS

SHEET	DESCRIPTION
1	TITLE SHEET
2	LEGEND
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STRUCTURE  
SUBSURFACE INVESTIGATION

PROJ. REFERENCE NO. 50058.1.1 (B-5547) F.A. PROJ. \_\_\_\_\_  
 COUNTY JONES  
 PROJECT DESCRIPTION CULVERT NO. 38 ON SR 1130 (PLEASANT HILL ROAD) OVER LITTLE CHINQUAPIN BRANCH AT -L- STA. 15+57

CAUTION NOTICE

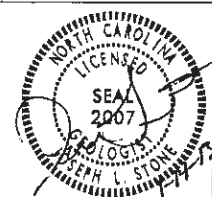
THE SUBSURFACE INFORMATION AND THE SURFACE INVESTIGATION FROM WHICH IT IS BASED WERE MADE FOR THE PURPOSE OF STUDY, PLANNING, AND DESIGN AND NOT FOR CONSTRUCTION OR PAY PURPOSES. THE VARIOUS FIELD BORING LOGS, ROCK CORES, AND SOIL TEST DATA AVAILABLE HAD TO BE REVIEWED OR INSPECTED BY PERSONNEL OF THE DEPARTMENT OF TRANSPORTATION, GEOTECHNICAL ENGINEERING UNIT AT 1989-10-11-68-08. NEITHER THE SURFACE PLANS AND REPORTS, NOR THE FIELD BORING LOGS, ROCK CORES, OR SOIL TEST DATA ARE PART OF THE CONTRACT.

GENERAL SOIL AND ROCK STRATA DESCRIPTIONS AND INDICATED BOUNDARIES ARE BASED ON A GEOTECHNICAL INTERPRETATION OF ALL AVAILABLE SURFACE DATA AND MAY NOT NECESSARILY REFLECT THE ACTUAL SUBSURFACE CONDITIONS BETWEEN SHOWN STRATA WITHIN THE BOUNDARIES. THE LABORATORY SAMPLE DATA AND THE IN SITU UNPLACED TEST DATA CAN BE RELIED ON ONLY TO THE EXTENT OF RELIABILITY INDICATED BY THE STANDARD TEST METHOD. THE OBSERVED WATER LEVELS OR SOIL VAPOR CONCENTRATIONS INDICATED IN THE SUBSURFACE INVESTIGATIONS ARE AS RECORDED AT THE TIME OF THE INVESTIGATION. THESE WATER LEVELS OR SOIL VAPOR CONCENTRATIONS MAY VARY CONSIDERABLY WITH THE ACCORDING TO CLIMATIC CONDITIONS INCLUDING TEMPERATURES, PRECIPITATION AND WIND, AS WELL AS OTHER NON-CLIMATIC FACTORS.

THE BINDER OR CONTRACTOR IS CAUTIONED THAT DETAILS SHOWN ON THE SUBSURFACE PLANS ARE PRELIMINARY ONLY AND IN MANY CASES THE FINAL DESIGN DETAILS ARE DIFFERENT. FOR BIDDING AND CONSTRUCTION PURPOSES, REFER TO THE CONSTRUCTION PLANS AND SPECIFICATIONS FOR FINAL DESIGN INFORMATION ON THIS PROJECT. THE DEPARTMENT DOES NOT WARRANT OR GUARANTEE THE SURFACE OR ACCURACY OF THE INVESTIGATION MADE, NOR THE INTERPRETATIONS MADE, OR OPINION BY THE DEPARTMENT AS TO THE TYPE OF MATERIALS AND CONDITIONS TO BE ENCOUNTERED. THE BINDER OR CONTRACTOR IS CAUTIONED TO MAKE SUCH ADDITIONAL SUBSURFACE INVESTIGATIONS AS HE DEEMS NECESSARY TO SAFELY MEET AS TO CONDITIONS TO BE ENCOUNTERED ON THIS PROJECT. THE CONTRACTOR SHALL HAVE NO CLAIM FOR ADDITIONAL COMPENSATION OR FOR AN EXTENSION OF TIME FOR ANY REASON RESULTING FROM THE ACTUAL CONDITIONS ENCOUNTERED AT THE SITE DIFFERING FROM THOSE INDICATED IN THE SUBSURFACE INFORMATION.

PERSONNEL  
**T.C. BOTTOMS**  
**D.G. PINTER**  
**H. FROATS**

INVESTIGATED BY J.L. STONE  
 CHECKED BY D.N. ARGENBRIGHT  
 SUBMITTED BY D.N. ARGENBRIGHT  
 DATE JANUARY 2013



PROJECT: 50058.1.1 ID: B-5547

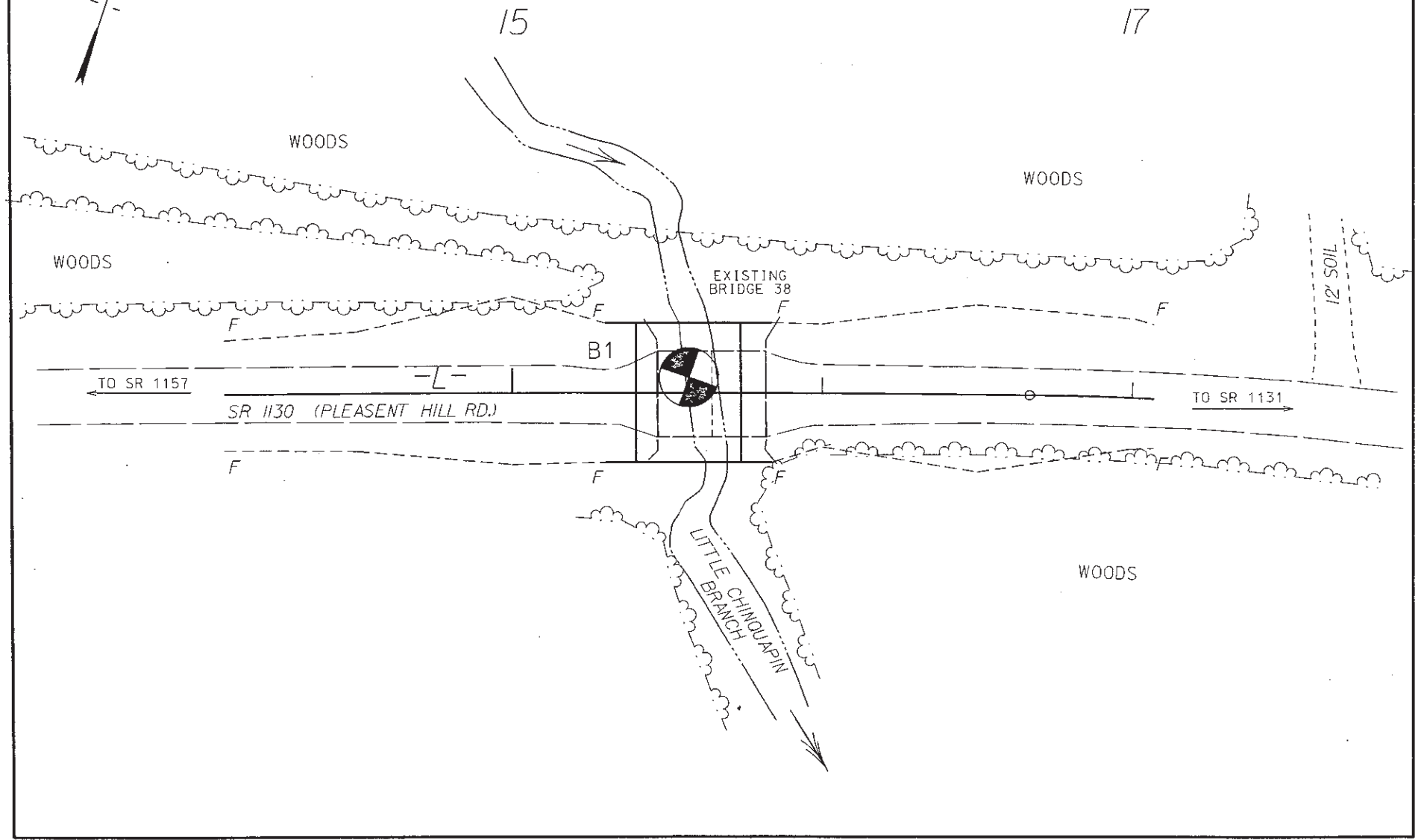
DRAWN BY: C.P. TURNER

NOTE - THE INFORMATION CONTAINED HEREIN IS NOT IMPLIED OR GUARANTEED BY THE N.C. DEPARTMENT OF TRANSPORTATION AS BEING ACCURATE AND IT IS CONSIDERED TO BE PART OF THE PLANS, SPECIFICATIONS, OR CONTRACT FOR THE PROJECT.

NOTE - BY HAVING REQUESTED THIS INFORMATION THE CONTRACTOR SPECIFICALLY WAIVES ANY CLAIMS FOR INCREASED COMPENSATION OR EXTENSION OF TIME BASED ON DIFFERENCES BETWEEN THE CONDITIONS INDICATED HEREIN AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.



SKEW = 90°



S:\Projects\B-5547\GEO\VERT\GEO.DWG\GEO.DWG

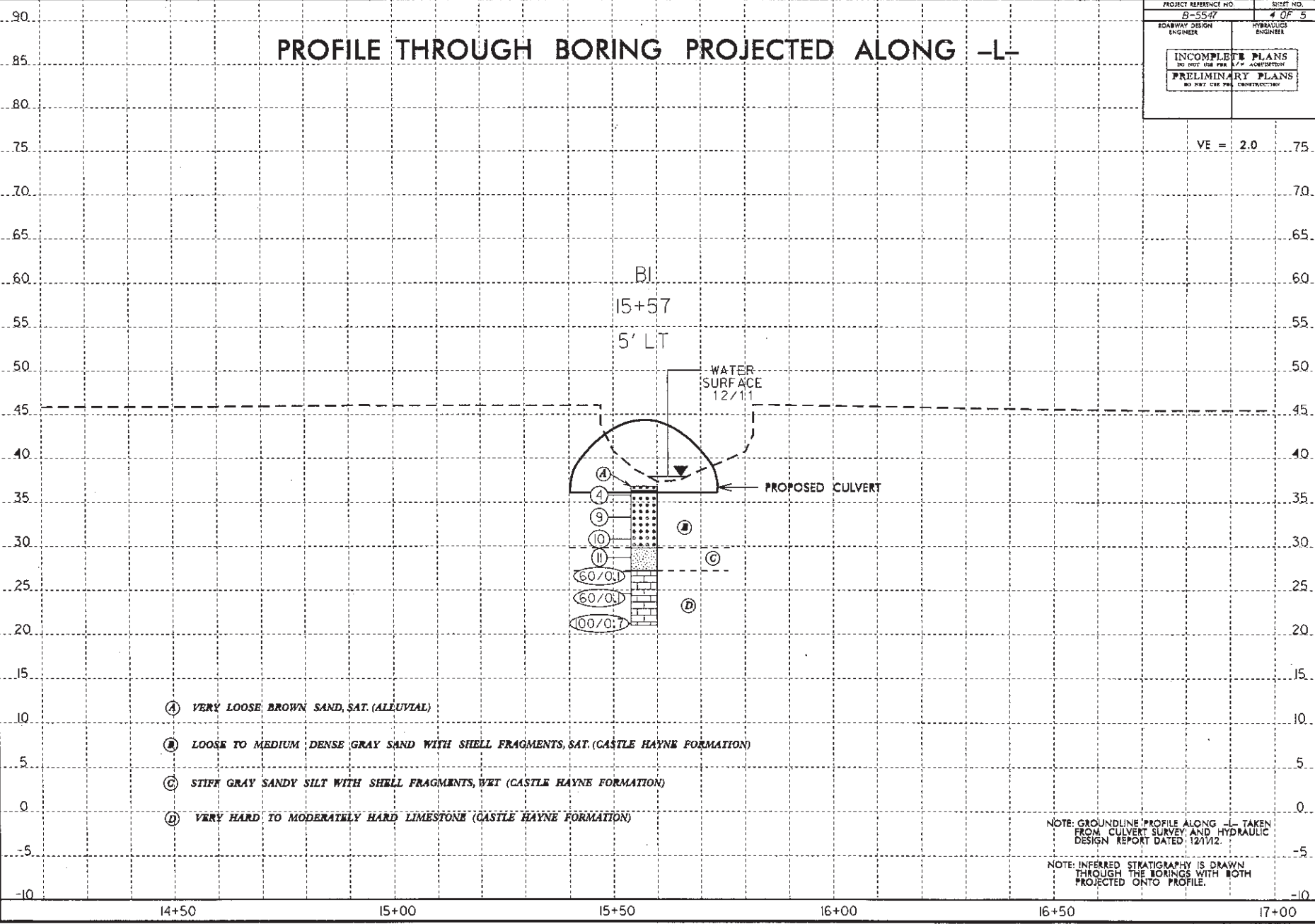
# PROFILE THROUGH BORING PROJECTED ALONG -L-

PROJECT REFERENCE NO. B-5547	SHEET NO. 4 OF 5
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

**INCOMPLETE PLANS**  
DO NOT USE FOR ACQUISITION

**PRELIMINARY PLANS**  
DO NOT USE FOR CONSTRUCTION

VE = 2.0 75





**NCDOT GEOTECHNICAL ENGINEERING UNIT**  
**BORELOG REPORT**

WBS 50055.1.1		TIP B-5547		COUNTY JONES		GEOLOGIST Bottoms, T. C.								
SITE DESCRIPTION CULVERT NO. 38 ON -L- (SR 1130) OVER LITTLE CHINQUAPIN BRANCH														
BORING NO. B1		STATION 15+57		OFFSET 5 R LT		ALIGNMENT -L-								
COLLAR ELEV. 36.8 ft		TOTAL DEPTH 15.8 ft		NORTHING 452,544		EASTING 2,451,212								
DRILLER D. PINTER		START DATE 01/02/13		COMP. DATE 01/02/13		SURFACE WATER DEPTH 2.7ft								
DRILL METHOD Mud Rotary		HAMMER TYPE Automatic												
ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT				SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION	DEPTH (ft)	
			0.5ft	0.5ft	0.5ft	0	25	50	75					100
40														
	36.8	0.0											36.8	0.0
	35.3	1.5	WOH	1	3								35.3	1.5
	34.3	2.5		3	4									
	31.8	5.0		3	5									
	28.7	7.1		4	5								28.7	7.1
	27.2	9.6	600.1							600.1			27.2	9.6
	24.7	12.1	600.1							600.1			24.7	12.1
	22.2	14.6	60	68	32/0.2					600.1			22.2	14.6
													21.6	15.8
													Boring Terminated at Elevation 21.0 ft IN LIMESTONE	

NCDOT BORELOG FILE BORING.GPJ NC DOT GDT 1/11/13