NCDOT GEOTECHNICAL ENGINEERING UNIT BORELOG REPORT

SHEET

WBS 33217.1.1	TIP B-3673	COUNTY McDOWELL	GEOLOGIST Elliott, D. C.
SITE DESCRIPTION N/A			GROUND WTR (ft)
BORING NO. EB1-B	STATION 27+58	OFFSET 29 ft RT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,153.1 ft	TOTAL DEPTH 25.6 ft	NORTHING 1,115,299	EASTING 677,423 — 24 HR. N/A
DRILL RIG/HAMMER EFF./DATE AFO9394 CME-45C 88% 05/14/2014		DRILL METHOD NW Casing w/ SPT	HAMMER TYPE Automatic
DRILLER Cheek, D. O.	START DATE 08/21/14	COMP. DATE 08/21/14	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft)	DEPTH (ft)
1155											
										1,153.1 GROUND SURFACE	0.0
1150										**ROADWAY EMBANKMENT** Brown slightly micaceous silty fine to coarse sand	
	1,147.8	5.3	4	2	2	4					
1145											
	1,142.8	10.3	17	3	2	5				1,142.3	10.8
1140										**SAPROLITE** dark gray slightly micaceous sandy silt	
										1,139.3	13.8
	1,137.8	15.3	71	29/.1						**WEATHERED ROCK** dark gray slightly micaceous weathered gneiss with crystalline gneiss layers	
1135											
	1,132.8	20.3	100/.4								
1130											
	1,127.8	25.3	100/.3							1,127.5	25.6
										Boring Terminated at Elevation 1,127.5 ft IN WEATHERED GNEISS	

NCDOT BORE SINGLE B3673_GEO_BRG.GPJ NC_DOT.GDT 10/10/14

NCDOT GEOTECHNICAL ENGINEERING UNIT BORELOG REPORT

SHEET

WBS 33217.1.1	TIP B-3673	COUNTY McDOWELL	GEOLOGIST Elliott, D. C.
SITE DESCRIPTION N/A			GROUND WTR (ft)
BORING NO. B1-B	STATION 27+93	OFFSET 27 ft RT	ALIGNMENT L — 0 HR. N/A
COLLAR ELEV. 1,154.0 ft	TOTAL DEPTH 45.7 ft	NORTHING 1,115,283	EASTING 677,454 — 24 HR. N/A
DRILL RIG/HAMMER EFF./DATE AFO9394 CME-45C 88% 05/14/2014		DRILL METHOD NW Casing w/ Core	HAMMER TYPE Automatic
DRILLER Cheek, D. O.	START DATE 08/20/14	COMP. DATE 08/20/14	SURFACE WATER DEPTH N/A

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 25 50 75 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION ELEV. (ft)	DEPTH (ft)
1155											
										1,154.0 GROUND SURFACE	0.0
1150										**ROADWAY EMBANKMENT** sandy embankment with cobbles and boulders	
1145											
1140										1,140.3	13.7
	1,139.0	15.0	21	28	30	58				**ALLUVIAL** dark gray slightly micaceous, clayey, silty, fine to coarse sandy alluvium with wood fragments	
	1,136.5	17.5	60/.1							1,137.1	16.9
1135										**CRYSTALLINE ROCK** drak gray crystalline gneiss	
1130											
1125											
1120											
1115											
1110											
										1,108.3	45.7
										Boring Terminated at Elevation 1,108.3 ft IN CRYSTALLINE GNEISS	

NCDOT BORE SINGLE B3673_GEO_BRG.GPJ NC_DOT.GDT 10/10/14