



N.C.D.O.T. GEOTECHNICAL UNIT
BORING LOG

SHEET 1 OF 1

PROJECT NO. 8.2353001		ID. B-3450		COUNTY Durham		GEOLOGIST D. Goodnight									
SITE DESCRIPTION Bridge No. 217 Over Tributary of Sandy Creek on SR1116 (Garrett Road)						GROUND WATER (ft)									
BORING NO. EB1-A		BORING LOCATION 13+86		OFFSET 34 ft LT		ALIGNMENT -L-									
COLLAR ELEV. 251.9 ft		NORTHING 802493.22		EASTING 2008008.92		0 HR. NM									
TOTAL DEPTH 33.5 ft		DRILL MACHINE CME 850		DRILL METHOD 3-7/8" Tricone/Wash Rotary		HAMMER TYPE 140 lb. Automatic									
DATE STARTED 10/3/02		COMPLETED 10/3/02		SURFACE WATER DEPTH NA											
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100		
251.9													251.9	0.00	
250.9	1.0	2	3	2									248.9	3.0	ROADWAY EMBANKMENT FILL: Medium Stiff Brown Silty Coarse to Fine Sandy CLAY with Gravel and a Trace of Organic Matter (Rootlets)
248.4	3.5	2	2	3									248.9	3.0	ROADWAY EMBANKMENT FILL: Medium Dense to Loose Orange-Tan Clayey Silty Fine to Coarse SAND with Gravel
245.9	6.0	2	2	4									239.9	12.0	ALLUVIAL: Loose Grey Clayey Silty Coarse to Fine SAND with a Trace of Organic Matter (26%) (Decayed Wood)
243.4	8.5	1	2	3									239.9	12.0	ALLUVIAL: Medium Stiff Grey Clayey Fine Sandy SILT
238.4	13.5	2	2	3									234.9	17.0	ALLUVIAL: Loose Grey Silty Coarse to Fine SAND
233.4	18.5	2	2	2									231.4	20.5	WEATHERED ROCK: Grey and Red-Brown Triassic Mudstone
228.4	23.5	14	21	69/0.4									218.9	33.9	NON-CRYSTALLINE ROCK: Red-Brown Triassic Mudstone
223.4	28.5	60/0.3											218.9	33.9	Boring Terminated by SPT Refusal at Elevation 218.4 feet in Non-Crystalline Rock (Triassic Mudstone)
218.4	33.5	60/0.0											218.4	33.5	

NCDOT BORE SINGLE 07102017.GPJ NC DOT.GDT 11/12/02



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SHEET 1 OF 1

PROJECT NO. 8.2353001		ID. B-3450		COUNTY Durham		GEOLOGIST D. Goodnight									
SITE DESCRIPTION Bridge No. 217 Over Tributary of Sandy Creek on SR1116 (Garrett Road)						GROUND WATER (ft)									
BORING NO. EB1-B		BORING LOCATION 13+86.0		OFFSET 22.0ft RT		ALIGNMENT -L-									
COLLAR ELEV. 256.4 ft		NORTHING 802512.88		EASTING 2008061.38		0 HR. 3.00									
TOTAL DEPTH 39.0 ft		DRILL MACHINE Mobile B-57		DRILL METHOD 3-7/8" Tricone/Wash Rotary		HAMMER TYPE 140 lb. Manual									
DATE STARTED 10/7/02		COMPLETED 10/7/02		SURFACE WATER DEPTH NA											
ELEV. (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	LOG	SOIL AND ROCK DESCRIPTION			
		0.5ft	0.5ft	0.5ft	0	20	40	60	80				100		
256.4													256.4	0.00	
255.4	1.0	3	4	4									253.4	3.0	ROADWAY EMBANKMENT FILL: Medium Stiff to Stiff Orange Silty Fine to Coarse Sandy CLAY with Gravel
252.9	3.5	6	10	9									248.4	8.0	ROADWAY EMBANKMENT FILL: Medium Dense to Loose Orange-Tan Clayey Silty Fine to Coarse SAND with Gravel
250.4	6.0	4	4	3									239.4	17.0	ALLUVIAL: Loose Grey Clayey Silty Coarse to Fine SAND
247.9	8.5	2	2	2									239.4	17.0	ALLUVIAL: Medium Stiff Grey Clayey Coarse to Fine Sandy SILT
242.9	13.5	4	2	4									234.4	22.0	ALLUVIAL: Medium Dense Grey Clayey Silty Coarse to Fine SAND
237.9	18.5	4	4	4									231.4	25.0	WEATHERED ROCK: Brown Triassic Mudstone
232.9	23.5	2	5	13									227.9	28.5	NON-CRYSTALLINE ROCK: Brown Triassic Mudstone
227.9	28.5	60/0.1											224.4	32.0	WEATHERED ROCK: Brown Triassic Mudstone
222.9	33.5	60/0.2											217.4	39.0	Boring Terminated at Elevation 217.4 feet in Weathered Rock (Triassic Mudstone)
217.9	38.5	70	30/0.4										217.4	39.0	

NCDOT BORE SINGLE 07102017.GPJ NC DOT.GDT 11/14/02