



NCDOT GEOTECHNICAL ENGINEERING UNIT

BORELOG REPORT

PROJECT NO. 36597.1.1	ID. I-4744	COUNTY Wake	GEOLOGIST E. Thomas
SITE DESCRIPTION I-40 Widening from W. of Wade Ave. to E. of Jones Franklin Rd.			GROUND WTR (ft)
BORING NO. B3-A EBL	STATION 272+03	OFFSET 25ft RT	ALIGNMENT -LREV-
COLLAR ELEV. 425.5 ft	TOTAL DEPTH 78.5 ft	NORTHING 734,027	EASTING 2,078,405
DRILL MACHINE CME 550	DRILL METHOD 2.25" ID HSA	HAMMER TYPE Automatic	
START DATE 06/03/09	COMP. DATE 06/03/09	SURFACE WATER DEPTH N/A	DEPTH TO ROCK 68.5 ft

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
350																
						Match Line										
	347.0	78.5													347.0	78.5
345			60/0.0													
340																
335																
330																
325																
320																
315																
310																
305																
300																
295																
290																
285																
280																
275																
270																

CRYSTALLINE ROCK
Brown & gray, MICA GNEISS (*continued*)

Boring Terminated at Elevation 347.0 ft in CRYSTALLINE ROCK (MICA GNEISS)

- NOTES:
- 1) Augered to 53.5', began split spoon sampling.
 - 2) Driller indicated harder drilling at a depth of 56.5'.
 - 3) Elevation obtained from original boring.

NCDOT BORE SINGLE 66L-0104.GPJ NC_DOT_GDT 6/3/09



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PROJECT NO. 36597.1.1	ID. I-4744	COUNTY Wake	GEOLOGIST E. Thomas
SITE DESCRIPTION I-40 Widening from W. of Wade Ave. to E. of Jones Franklin Rd.			GROUND WTR (ft)
BORING NO. B4-A EBL	STATION 272+86	OFFSET 19ft RT	ALIGNMENT -LREV-
COLLAR ELEV. 425.7 ft	TOTAL DEPTH 83.5 ft	NORTHING 733,955	EASTING 2,078,446
DRILL MACHINE CME 550		DRILL METHOD 2.25" ID HSA	
START DATE 06/02/09		COMP. DATE 06/02/09	
		SURFACE WATER DEPTH N/A	
			HAMMER TYPE Automatic
			DEPTH TO ROCK 63.5 ft

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
430																
425														425.7	GROUND SURFACE	0.0
														424.7	ASPHALT	1.0
420														420.7	RESIDUAL Red-brown, sandy SILT (A-4), micaceous.	5.0
415															Red-brown to brown, clayey SILT (A-5).	
410																
405																
400																
395																
390																
385																
380																
375														378.7	Brown, fine sandy SILT (A-4), micaceous.	47.0
370																
365																
360	362.2	63.5												362.2	CRYSTALLINE ROCK Brown & gray, MICA GNEISS.	63.5
355	357.2	68.5														
350	352.2	73.5														

NCDOT BORE SINGLE 66L-0104.GPJ NC_DOT.GDT 6/3/09

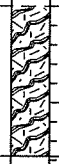


NCDOT GEOTECHNICAL ENGINEERING UNIT

BORELOG REPORT

PROJECT NO. 36597.1.1		ID. I-4744		COUNTY Wake		GEOLOGIST E. Thomas	
SITE DESCRIPTION I-40 Widening from W. of Wade Ave. to E. of Jones Franklin Rd.							GROUND WTR (ft)
BORING NO. B4-A EBL		STATION 272+86		OFFSET 19ft RT		ALIGNMENT -LREV-	0 HR. N/A
COLLAR ELEV. 425.7 ft		TOTAL DEPTH 83.5 ft		NORTHING 733,955		EASTING 2,078,446	24 HR. N/A
DRILL MACHINE CME 550		DRILL METHOD 2.25" ID HSA				HAMMER TYPE Automatic	
START DATE 06/02/09		COMP. DATE 06/02/09		SURFACE WATER DEPTH N/A		DEPTH TO ROCK 63.5 ft	

ELEV (ft)	DRIVE ELEV (ft)	DEPTH (ft)	BLOW COUNT			BLOWS PER FOOT					SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION		
			0.5ft	0.5ft	0.5ft	0	25	50	75	100				ELEV. (ft)	DEPTH (ft)	
350																
						Match Line										
	347.2	78.5														
345					60/0.1											
	342.2	83.5														
340					60/0.0											
335																
330																
325																
320																
315																
310																
305																
300																
295																
290																
285																
280																
275																
270																



CRYSTALLINE ROCK
Brown & gray, MICA GNEISS (continued)

Boring Terminated at Elevation 342.2 ft in CRYSTALLINE ROCK (MICA GNEISS)

- NOTES:
- 1) Augered to 63.5', began split spoon sampling.
 - 2) Driller indicated harder drilling at a depth of 63.5'.
 - 3) Elevation obtained from original boring.

NCDOT BORE SINGLE 66L-0104.GPJ NC_DOT.GDT 6/3/09