

JJL  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS-MATERIALS AND TESTS UNIT  
 SOILS TEST REPORT-SOILS LABORATORY

M&T 503E

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 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS-MATERIALS AND TESTS UNIT  
 SOILS TEST REPORT-SOILS LABORATORY

T.I.P. ID #: B-3926

REPORT ON SAMPLES OF: Soils for Classification

PROJECT:	8.2752101	COUNTY:	Watauga	Owner:	--
DATE SAMPLED:	6-18-03	DATE RECEIVED:	7-1-03	DATE REPORTED:	7-22-03
SAMPLED FROM:	Rdw - Foundation	SAMPLED BY:	L L Acker		
SUBMITTED BY:	W D Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

**TEST RESULTS**

Project Sample No.	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8
Lab Sample No. A-	142042	142043	142044	142045	142046	142047	142048	142049
HiCAMS Sample #	--	--	--	--	--	--	--	--
Retained #4 Sieve %	--	--	--	--	--	--	--	--
Passing #10 Sieve %	74	81	91	78	99	100	98	100
Passing #40 Sieve %	63	69	61	67	78	82	77	77
Passing #200 Sieve %	31	42	23	23	26	17	20	25

**MINUS #10 FRACTION**

Soil Mortar - 100%								
Coarse Sand -Ret. #60	27	24	51	30	38	39	36	41
Fine Sand - Ret. #270	38	30	28	51	43	51	53	44
Silt 0.05-0.005 mm %	25	25	11	17	15	8	9	11
Clay < 0.005 mm %	10	21	10	2	4	2	2	4
Passing # 40 Sieve %	--	--	--	--	--	--	--	--
Passing # 200 Sieve %	--	--	--	--	--	--	--	--

Liquid Limit	33	37	39	23	33	48	35	35
Plastic Index	NP	11	NP	NP	NP	NP	NP	NP
AASHTO Classification	A-2-4 (0)	A-6 (2)	A-2-4 (0)	A-2-4 (0)	A-2-4 (0)	A-2-5 (0)	A-2-4 (0)	A-2-4 (0)
Quantity								
Texture								
Station	23+72 Lt	24+20 Rt	22+70 Lt	33+20 Lt	33+20 Lt	32+62 Lt	32+62 Lt	32+62 Lt
Hole No.	-L- EB2-A	-L-	-L-	-L- EB2-A	-L- EB2-A	-L- EB1-A	-L- EB1-A	-L- EB1-A
Depth (ft) From:	4.9	.5	.5	4.5	10.0	7.6	28.8	35.1
To:	5.9	1.5	1.5	6.0	11.0	8.6	29.8	36.1

**Remarks:**

A-142042 through A-142052

CC:

W D Frye

J J Lail

File

SOILS ENGINEER:

T.I.P. ID #: B-3926

REPORT ON SAMPLES OF: Soils for Classification

PROJECT:	8.2752101	COUNTY:	Watauga	Owner:	--
DATE SAMPLED:	6-26-03	DATE RECEIVED:	7-1-03	DATE REPORTED:	7-22-03
SAMPLED FROM:	Rdw - Foundation	SAMPLED BY:	L L Acker		
SUBMITTED BY:	W D Frye	2002	STANDARD SPECIFICATION		
LABORATORY:	Asheville				

**TEST RESULTS**

Project Sample No.	SS-9	SS-10	SS-11				
Lab Sample No. A-	142050	142051	142052				
HiCAMS Sample #	--	--	--				
Retained #4 Sieve %	--	--	--				
Passing #10 Sieve %	99	82	99				
Passing #40 Sieve %	84	74	94				
Passing #200 Sieve %	27	30	61				

**MINUS #10 FRACTION**

Soil Mortar - 100%							
Coarse Sand -Ret. #60	33	20	13				
Fine Sand - Ret. #270	50	52	37				
Silt 0.05-0.005 mm %	11	20	36				
Clay < 0.005 mm %	6	8	14				
Passing # 40 Sieve %	--	--	--				
Passing # 200 Sieve %	--	--	--				

Liquid Limit	43	33	61				
Plastic Index	NP	NP	21				
AASHTO Classification	A-2-5 (0)	A-2-4 (0)	A-7-5 (12)				
Quantity							
Texture							
Station	32+95 Rt	11+48 Rt	11+48 Rt				
Hole No.	-L-	Det 2	Det 2				
Depth (ft) From:	19.3	4.9	9.9				
To:	20.3	5.9	10.9				

**Remarks:**

A-142042 through A-142052

CC:

W D Frye

J J Lail

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SOILS ENGINEER: