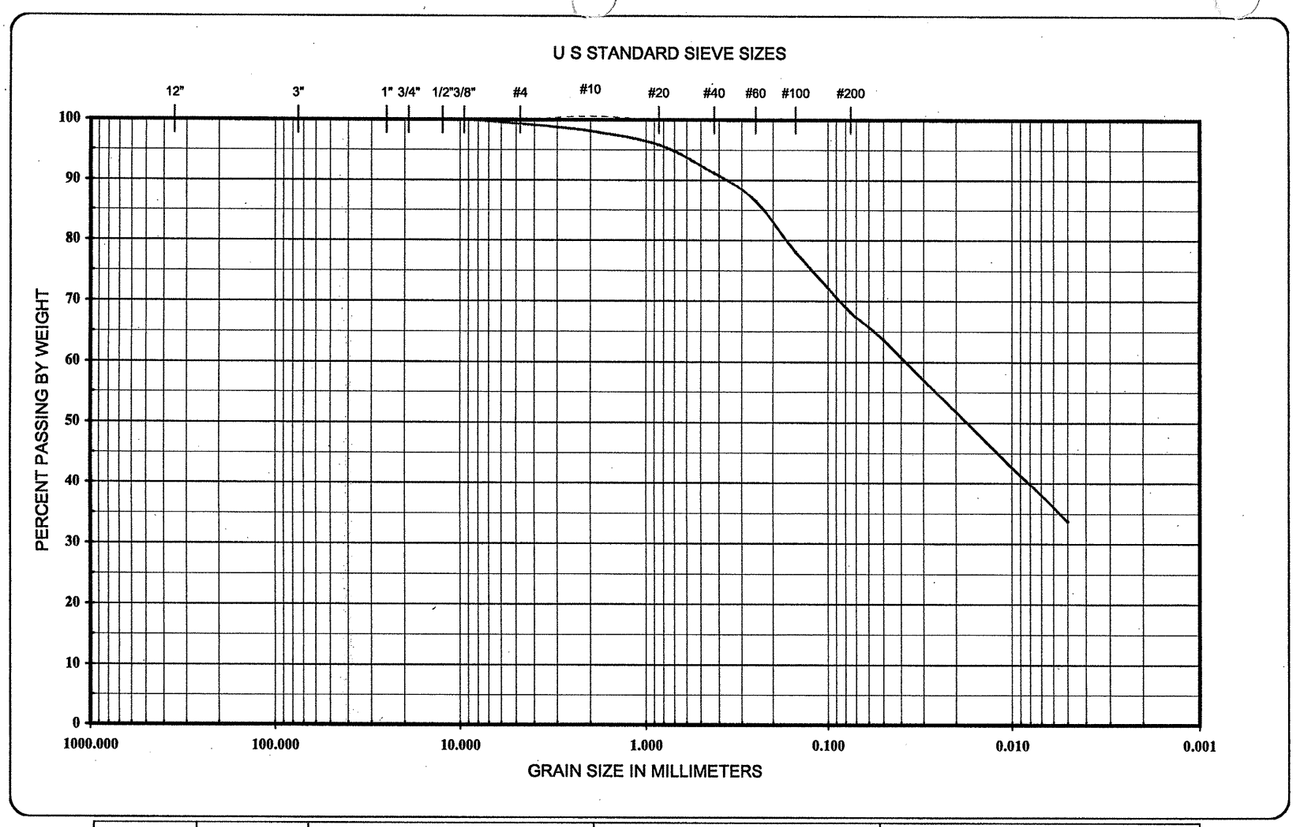

BOULDERS	COBBLES	GRAVEL		SAND		FINES	
		COARSE	FINE	COARSE	FINE	SILT	CLAY

BORING NO.	SAMPLE NO.	ELEVATION OR DEPTH	NMC %	LL	PL	PI	CLASSIFICATION
B2-B	SS-10	1.0-2.5	22.6	37	20	17	Red-Brown Silty Coarse to Fine Sandy CLAY (A-6)

GRAIN SIZE DISTRIBUTION

B-3450 (Bridge No. 122)

071-02-016

10/17/2002

State Project No. 8.2353001
TIP No. B-3450
Bridge No. 122 over Sandy Creek on SR 1116 (Garrett Road)
Durham County, North Carolina

SUMMARY OF LABORATORY TEST DATA

							Atterberg Limits			Gradation Results							
Boring Number	Sample Depth (ft.)	Sample No.*	Natural Moisture Content (%)	AASHTO Class (Group Index)	N-Value (blows/ ft.)	Organic Content (%)	L.L.	P.L.	P.I.	Pass #10 Sieve	Pass #40 Sieve	Pass #200 Sieve	Pass #270 Sieve	Coarse Sand (%)	Fine Sand (%)	Silt (%)	Clay (%)
EB1-A	1.0-2.5	SS-1	16.2	A-6 (1)	7	-	35	20	15	62	57	37	34	15	30	35	20
EB1-A	8.5-10.0	SS-2	20.1	A-4 (3)	1	-	27	18	9	99	93	57	51	12	36	27	25
EBI-A	23.5-25.0	SS-3	-	A-6	-	5.3	-	-	-	-	-	-	-	-	-	-	-
EB1-B	1.0-2.5	SS-4	14.4	A-6 (2)	9	-	37	22	15	84	64	40	37	32	24	21	23
EB1-B	13.5-15.0	SS-5	-	A-3 (0)	8	-	13	NP	NP	97	51	8	7	77	16	3	4
B1-A	1.0-2.5	SS-6	16.5	A-4 (0)	4	-	23	17	6	98	77	40	36	35	28	17	20
B1-A	13.5-15.0	SS-7	27.8	A-6 (7)	5	-	30	19	11	100	100	80	76	1	23	46	30
B1-B	1.0-2.5	SS-8	24.7	A-6 (12)	8	-	37	21	16	100	96	79	75	7	18	38	37
B2-A	3.5-5.0	SS-9	-	A-1-b (0)	5	-	15	NP	NP	94	47	8	7	71	22	3	4
B2-A	8.5-10.0	SS-10	29.6	A-6 (16)	2	-	39	20	19	100	96	95	78	5	17	42	36
B2-B	1.0-2.5	SS-11	22.6	A-6 (10)	6	-	37	20	17	98	91	68	63	12	23	32	33
B2-B	18.5-20.0	SS-12	28.2	A-4 (3)	13	-	28	20	8	98	98	68	56	2	41	34	23
EB2-A	3.5-5.0	SS-13	16.2	A-4 (1)	4	-	28	19	9	92	85	47	42	14	40	26	20
EB2-A	23.5-25.0	SS-14	30.3	A-6 (11)	6	-	35	21	14	100	97	81	75	6	19	44	31
EB2-A	28.5-30.0	SS-15	14.1	A-4 (3)	43	-	30	23	7	99	97	68	56	3	40	41	16
EB2-B	2.4-3.9	SS-16	12.5	A-6 (3)	8	-	40	26	14	85	63	42	40	33	20	22	25
EB2-B	7.4-8.9	SS-17	15.8	A-6 (3)	2	-	21	9	12	97	89	55	49	16	35	30	19

* SS = Split-Spoon Sample (ASTM-D-1586)
** G = Grab Sample
***ST=Shelby Tube (Undisturbed) Sample
NP -- Non Plastic

TRIGON ENGINEERING CONSULTANTS, INC.
GREENSBORO, NORTH CAROLINA
Trigon Job Number: 071-02-016
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