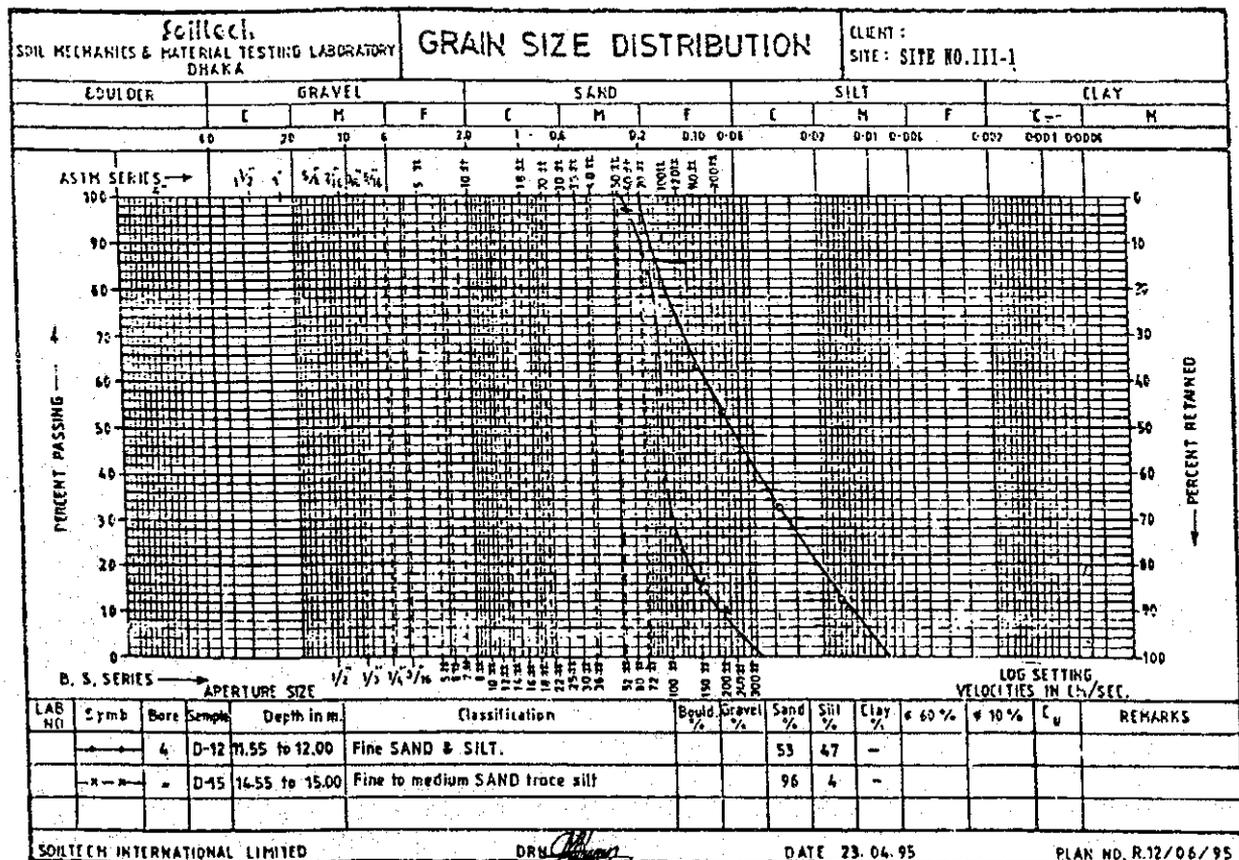
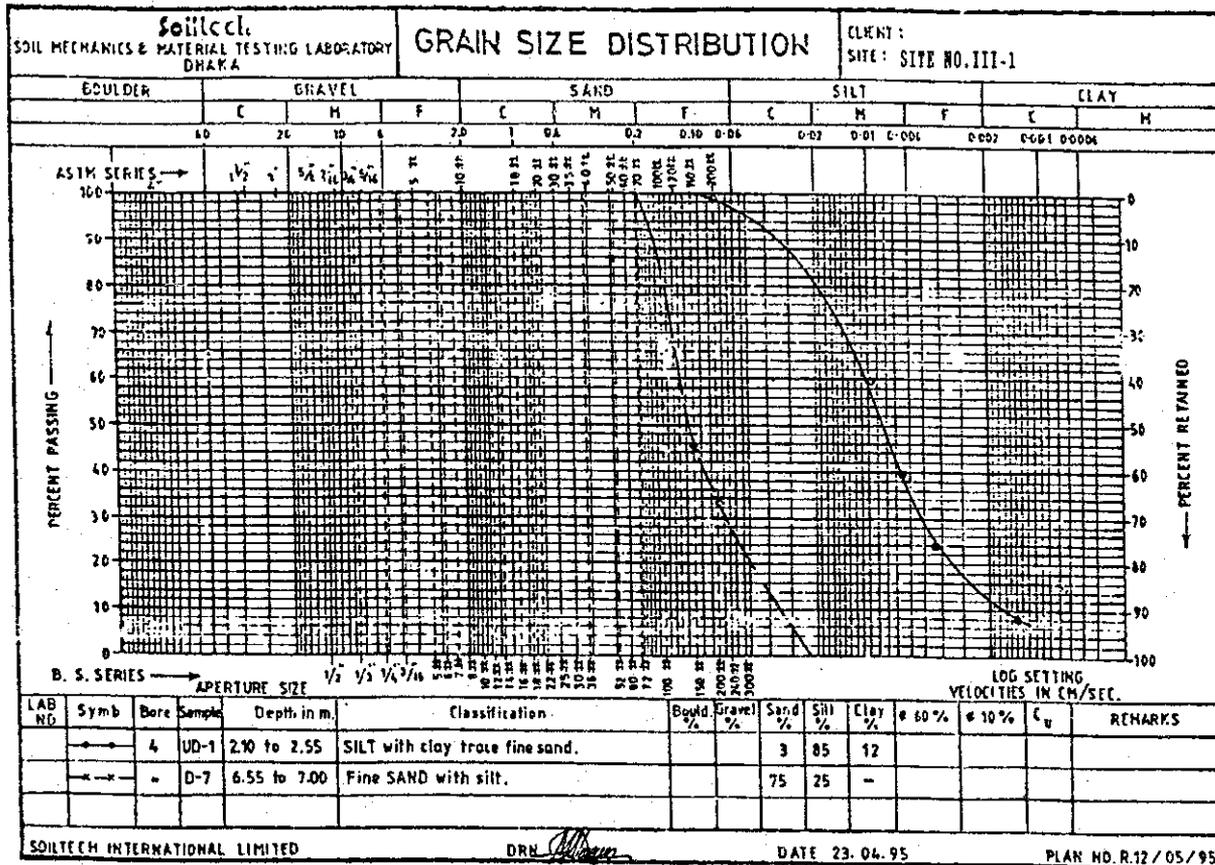


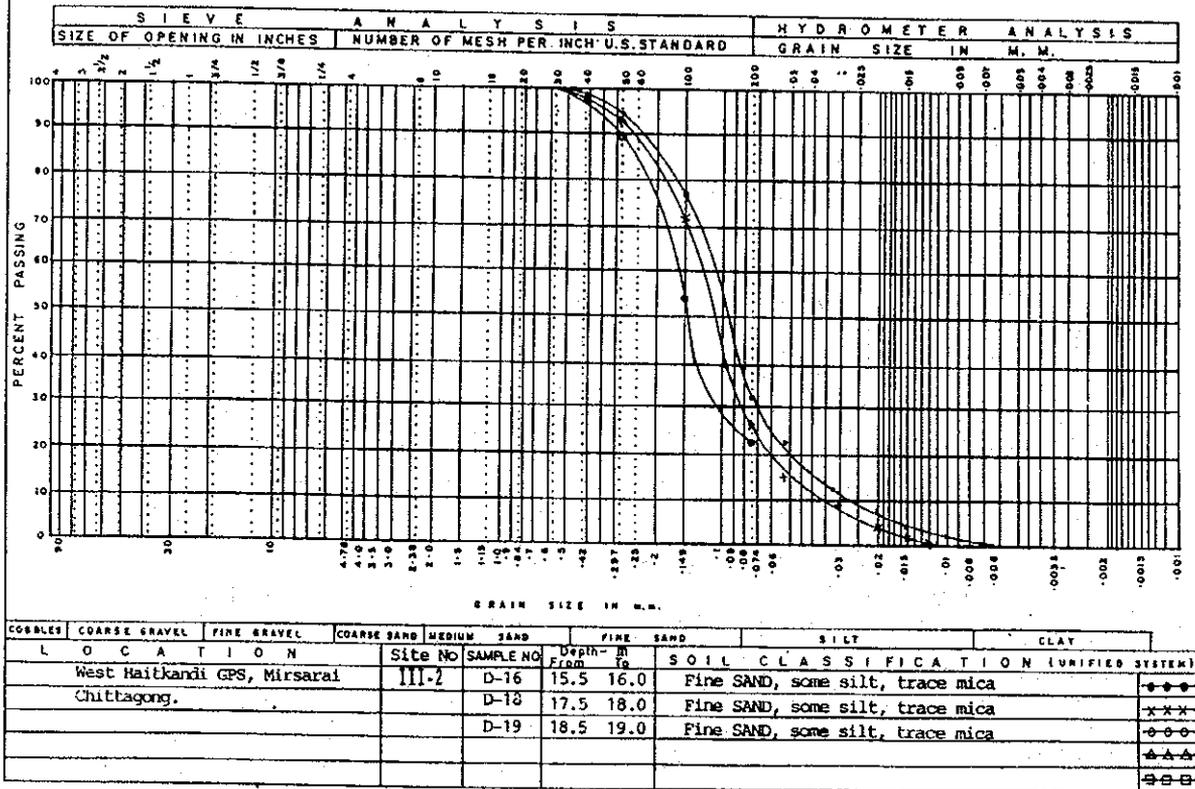
11-2-4 粒徑加積曲線



SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

FORM NO. ST-3

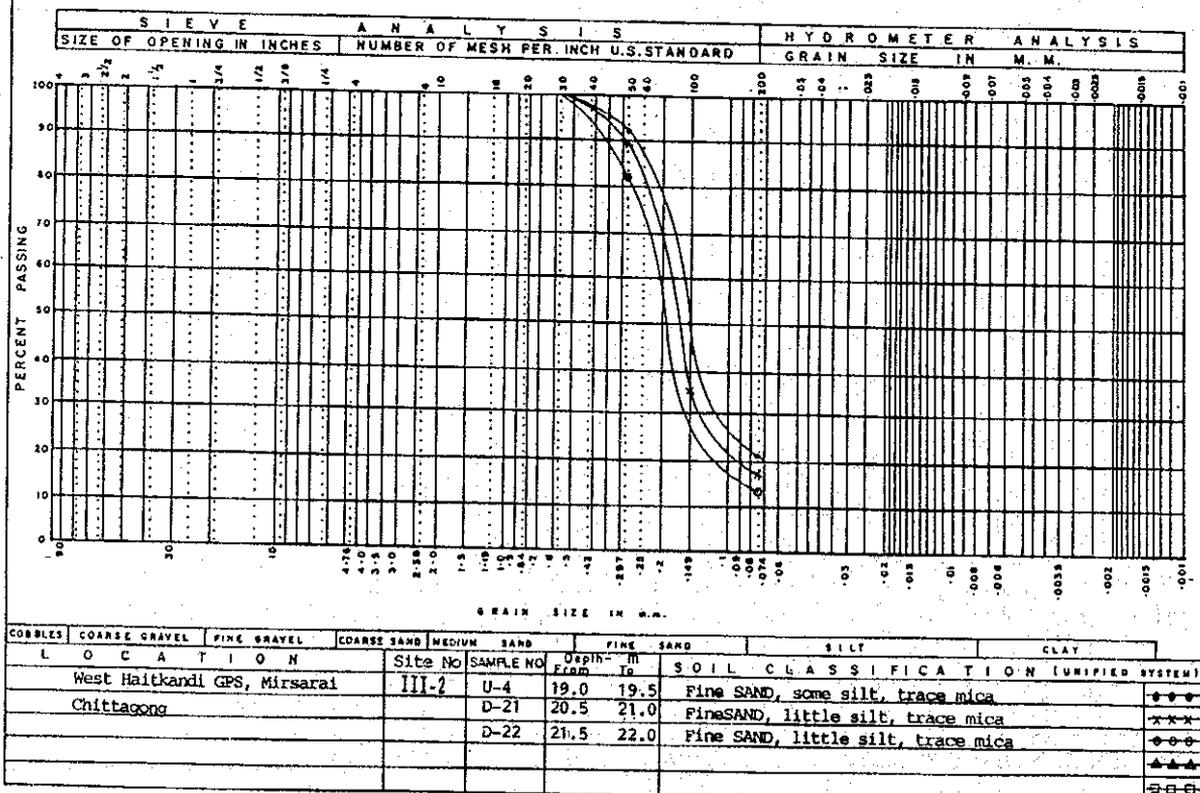
SITE NO. III-2



SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

FORM NO. ST-3

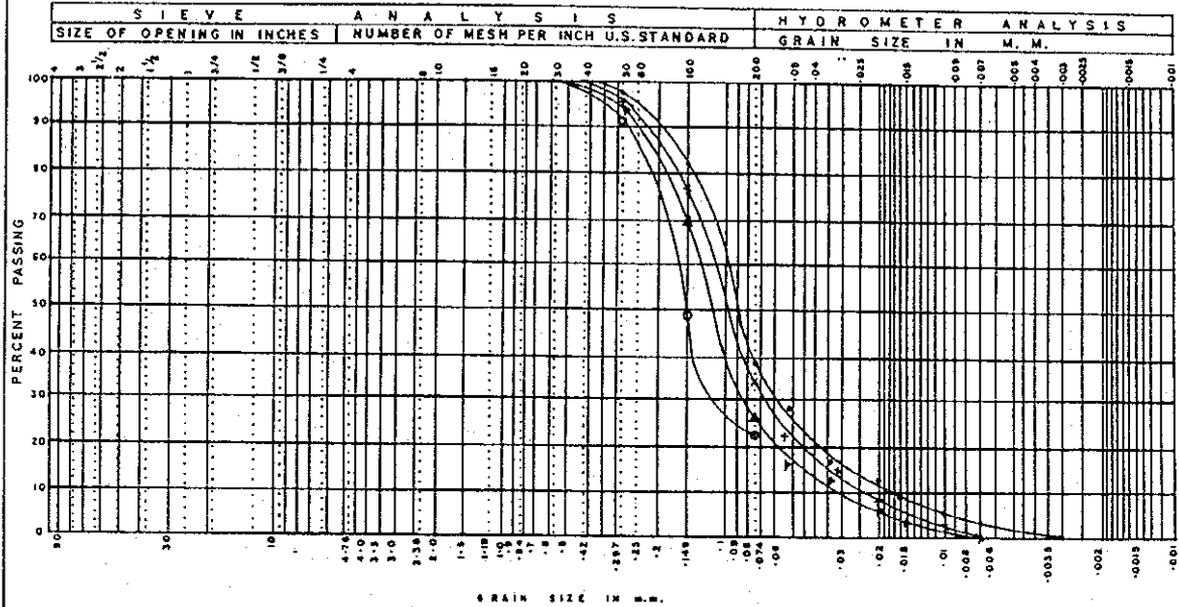
SITE NO. III-2



SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

FORM NO. ST-3

SITE NO. III-2

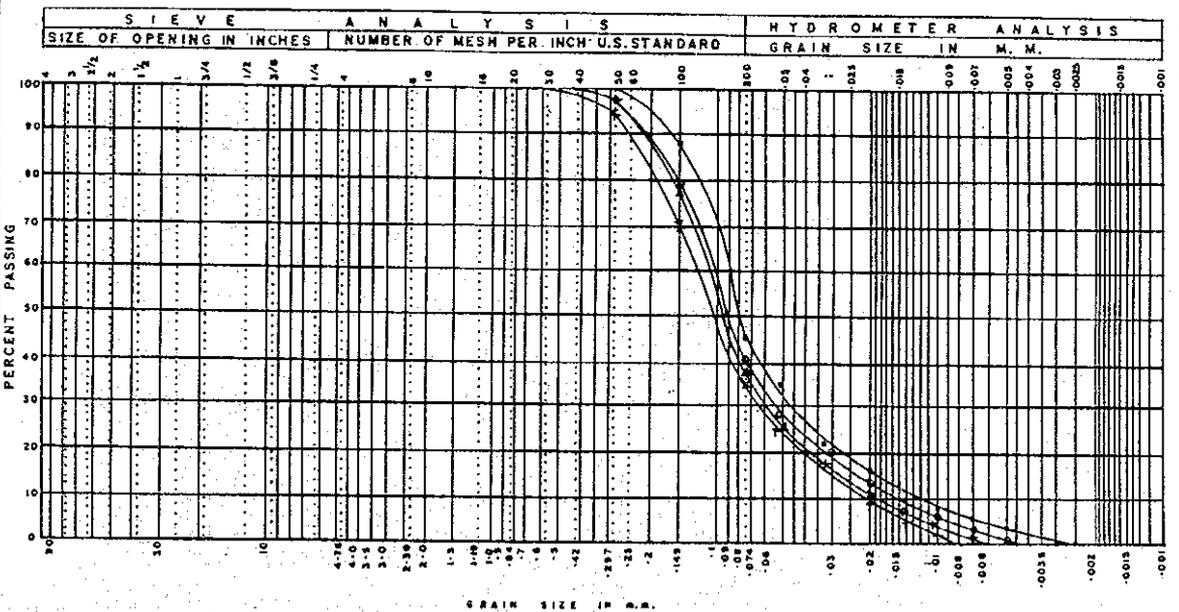


COBBLES		COARSE GRAVEL		FINE GRAVEL		COARSE SAND		MEDIUM SAND		FINE SAND		SILT		CLAY	
L O C A T I O N		Site No	SAMPLE NO	Depth - From	to	SOIL CLASSIFICATION (UNIFIED SYSTEM)									
West Haitkandi GPS, Mirsarai Chittagong.		III-2	D-6	5.5	6.0	Fine SAND & SILT, trace mica									
			D-7	6.5	7.0	Fine SAND & SILT, trace mica									
			D-8	7.5	8.0	Fine SAND, some silt, trace mica									
			U-2	8.0	8.5	Fine SAND, some silt, trace mica									

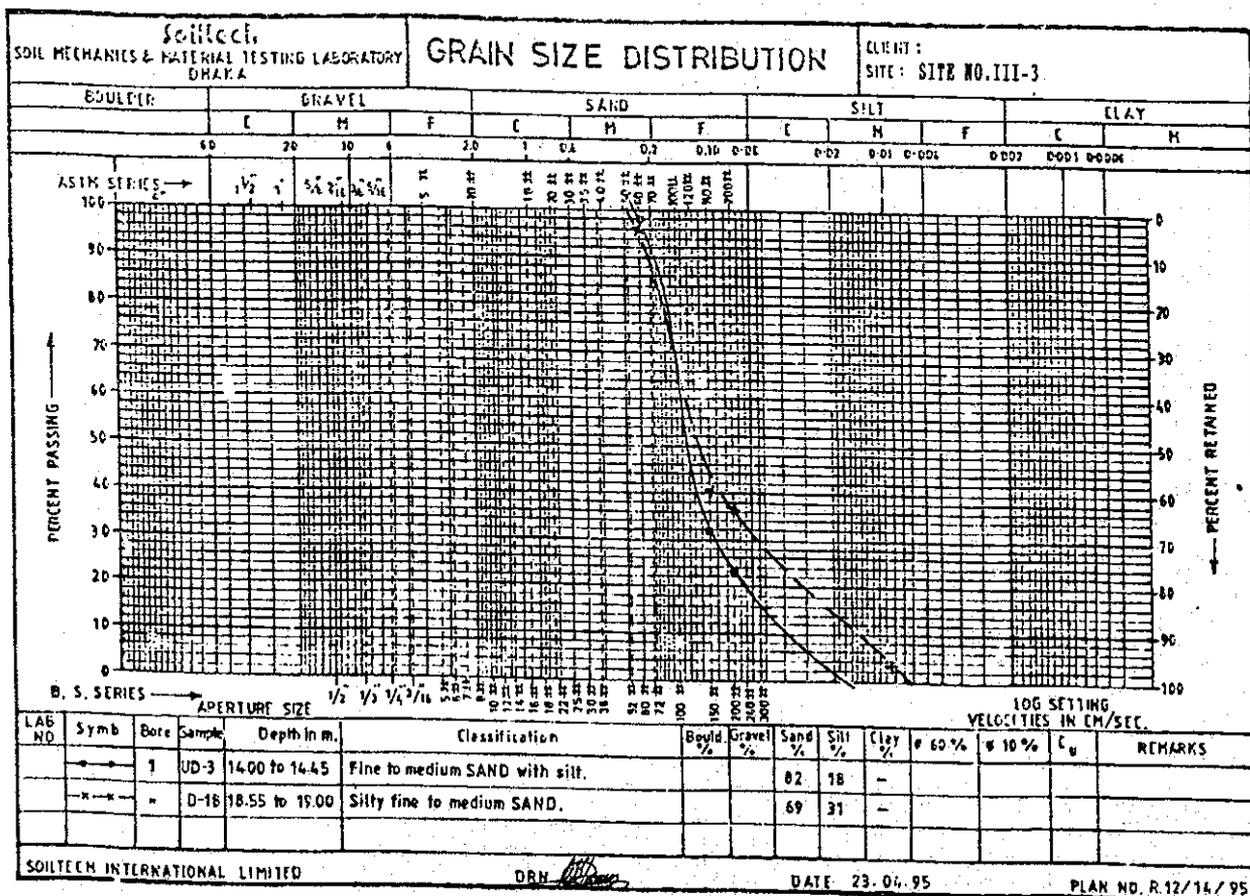
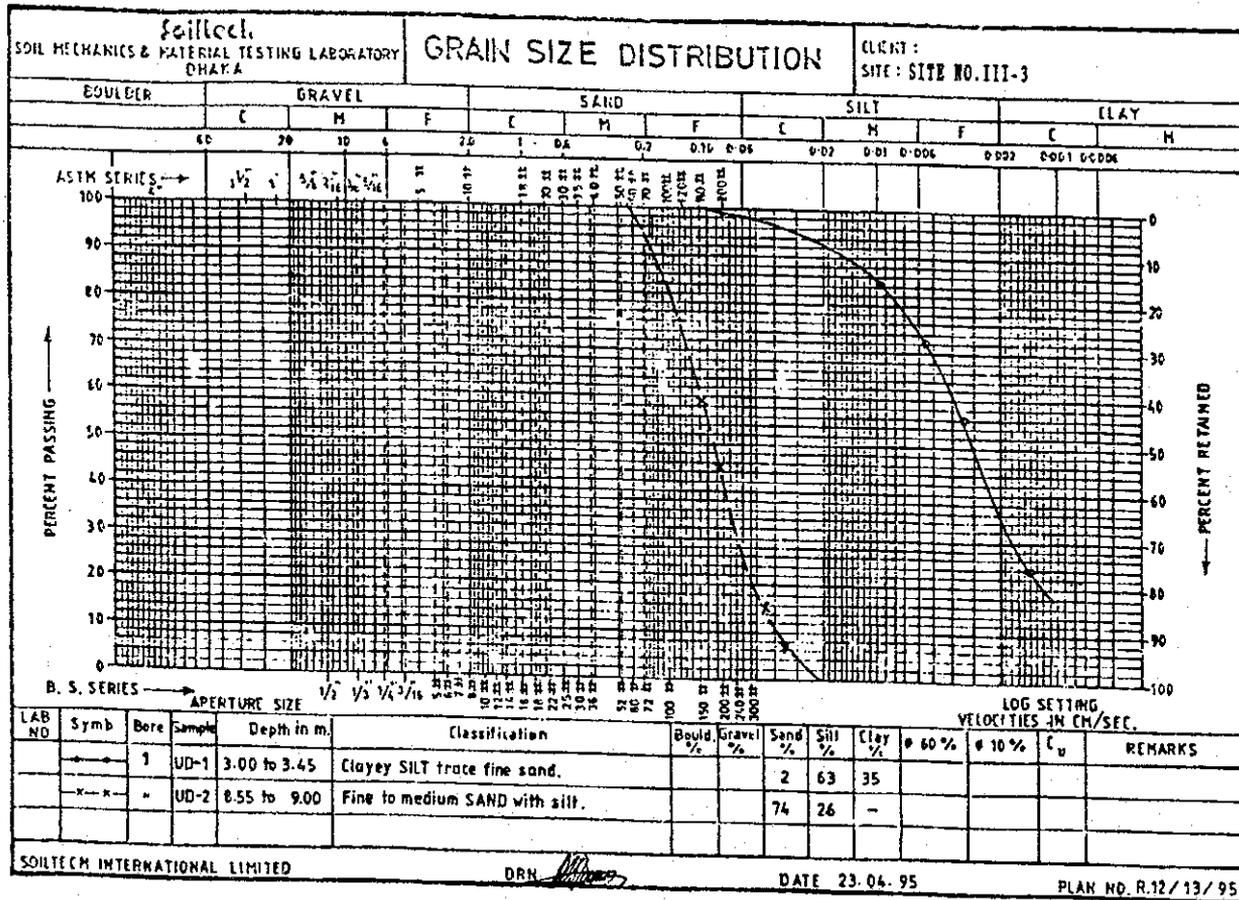
SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

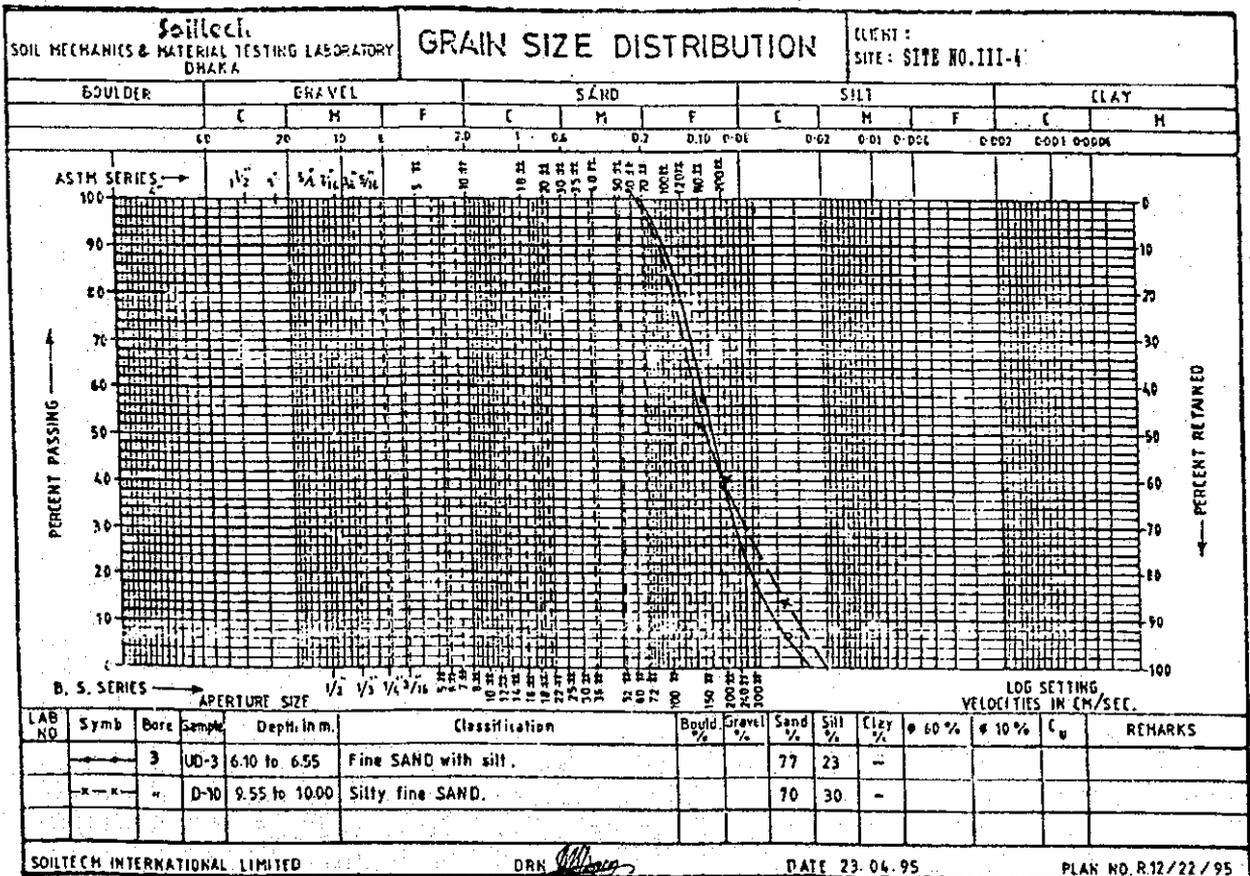
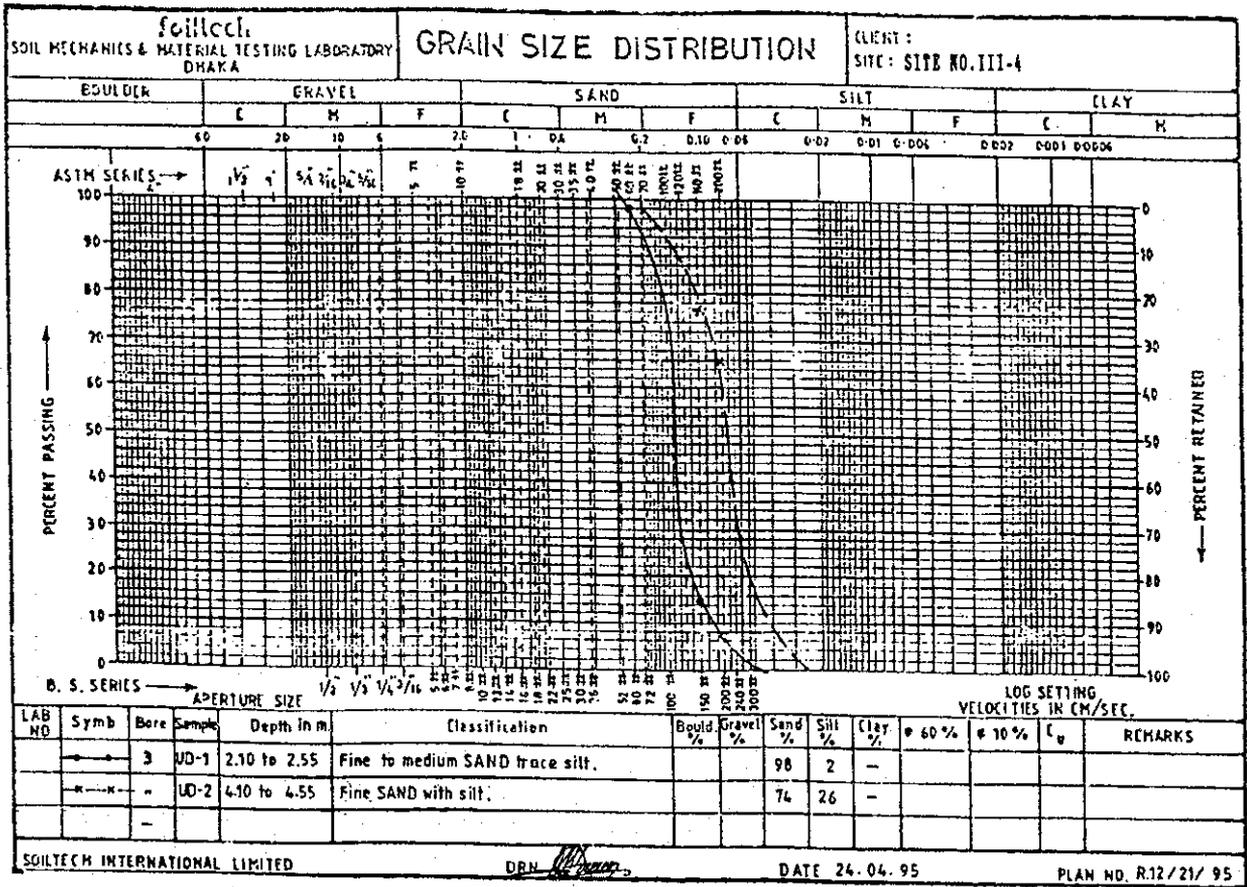
FORM NO. ST-3

SITE NO. III-2



COBBLES		COARSE GRAVEL		FINE GRAVEL		COARSE SAND		MEDIUM SAND		FINE SAND		SILT		CLAY	
L O C A T I O N		Site No	SAMPLE NO	Depth - From	to	SOIL CLASSIFICATION (UNIFIED SYSTEM)									
West Haitkandi GPS, Mirsarai Chittagong		III-2	D-10	9.5	10.0	Fine SAND & SILT, trace mica									
			D-11	10.5	11.0	Fine SAND & SILT, trace mica									
			D-14	13.5	14.0	Fine SAND & SILT, trace mica									
			U-3	14.0	14.5	Fine SAND & SILT, trace mica									

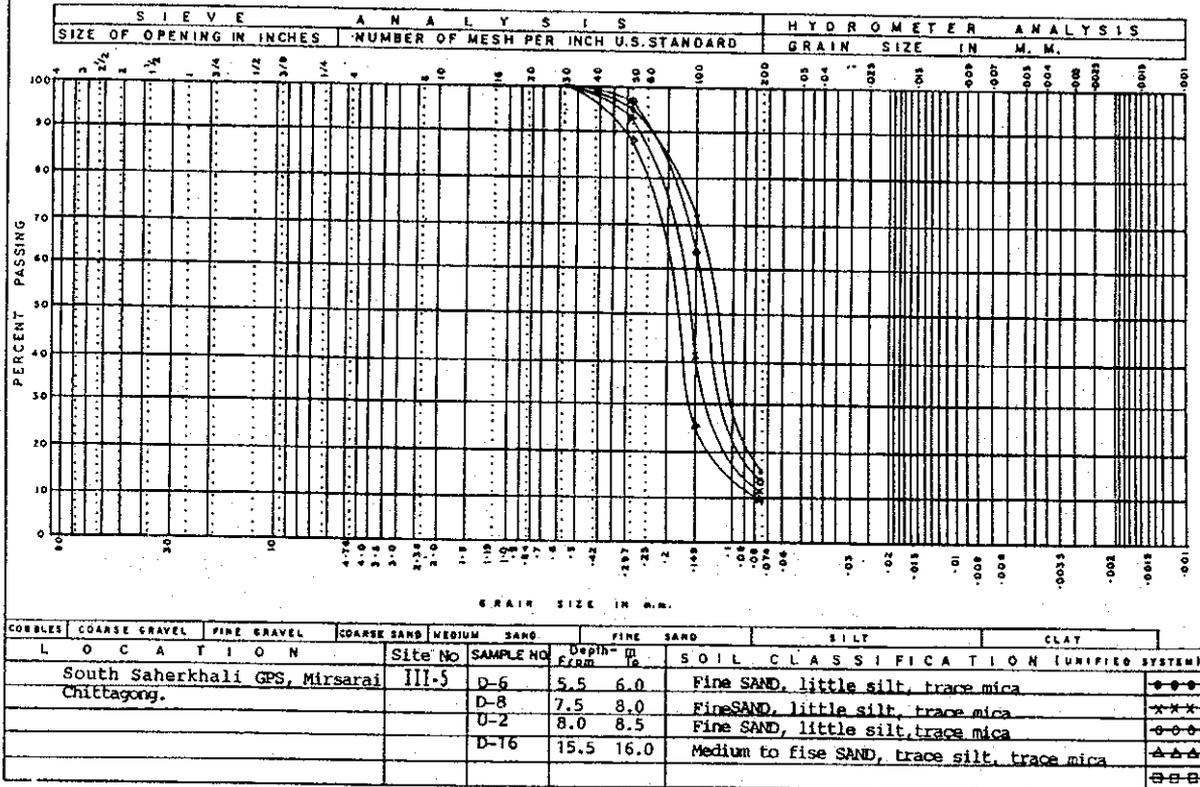




SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

FORM NO. ST-3

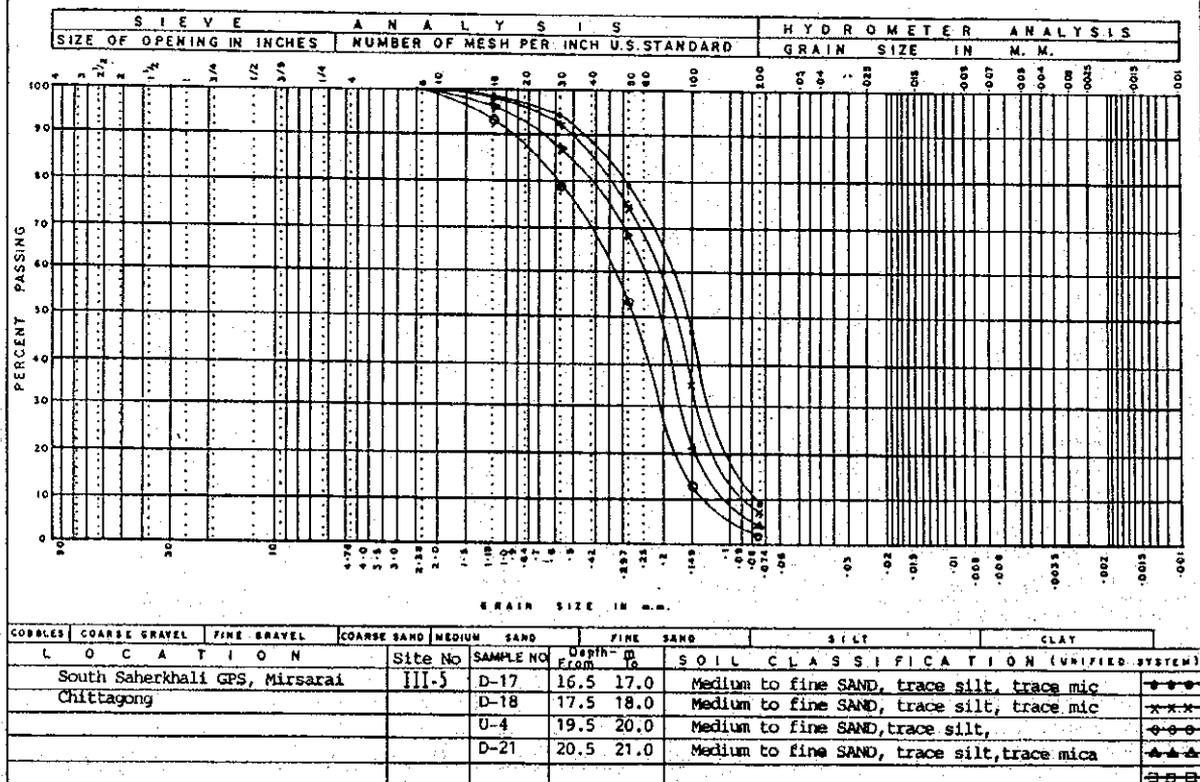
SITE NO. III-5

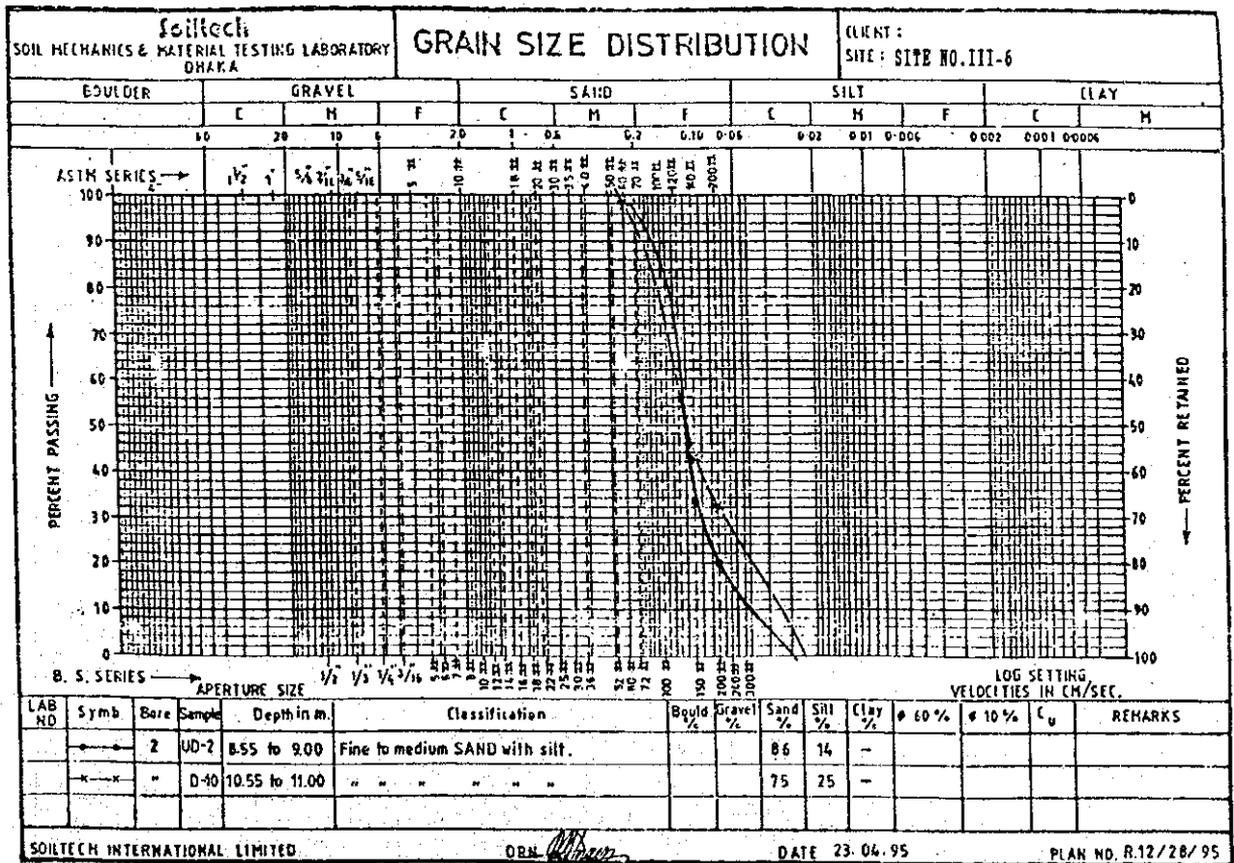
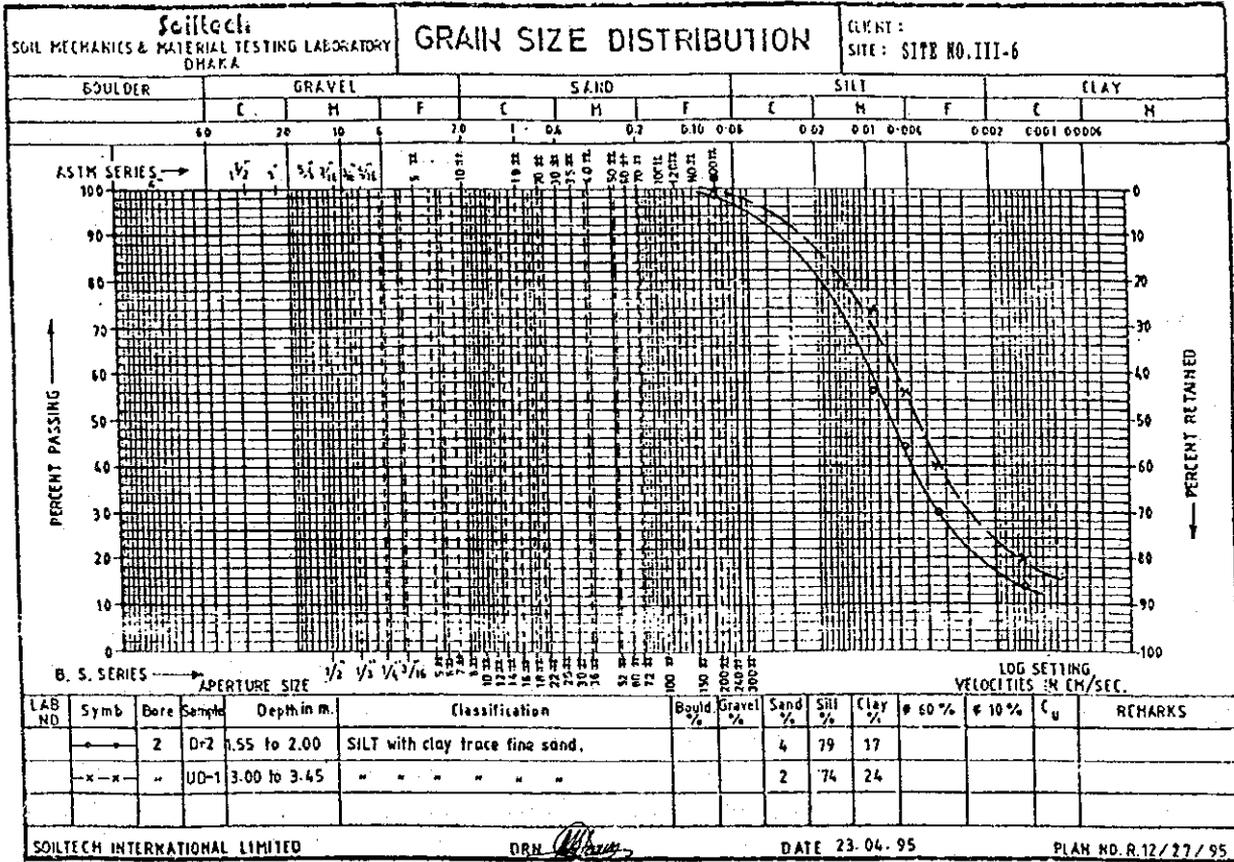


SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

FORM NO. ST-3

SITE NO. III-5

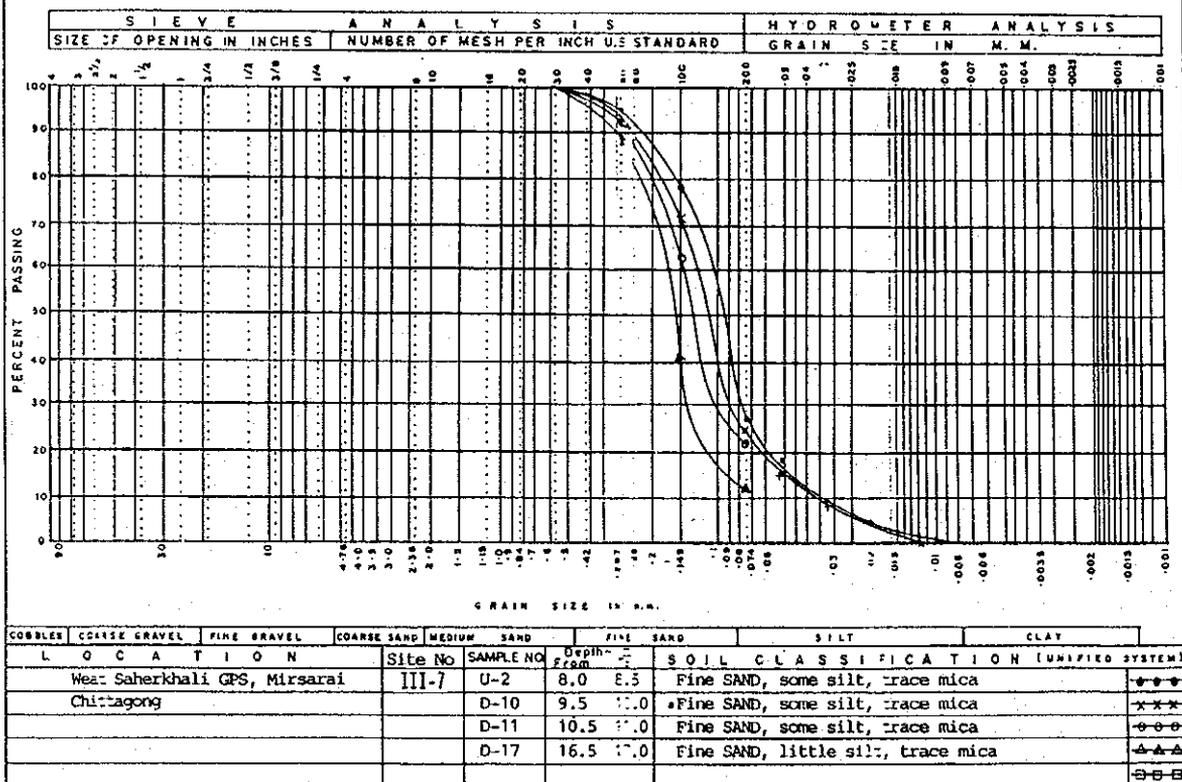


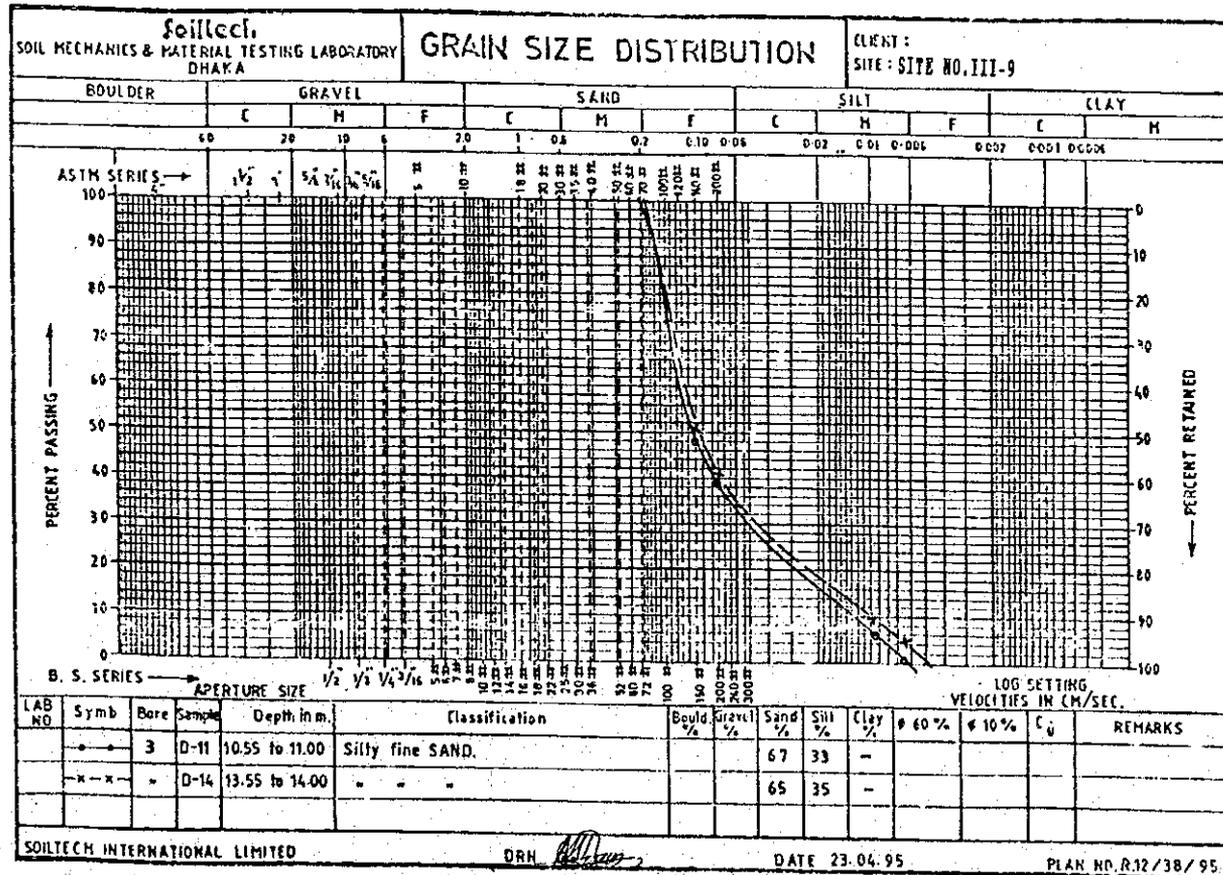
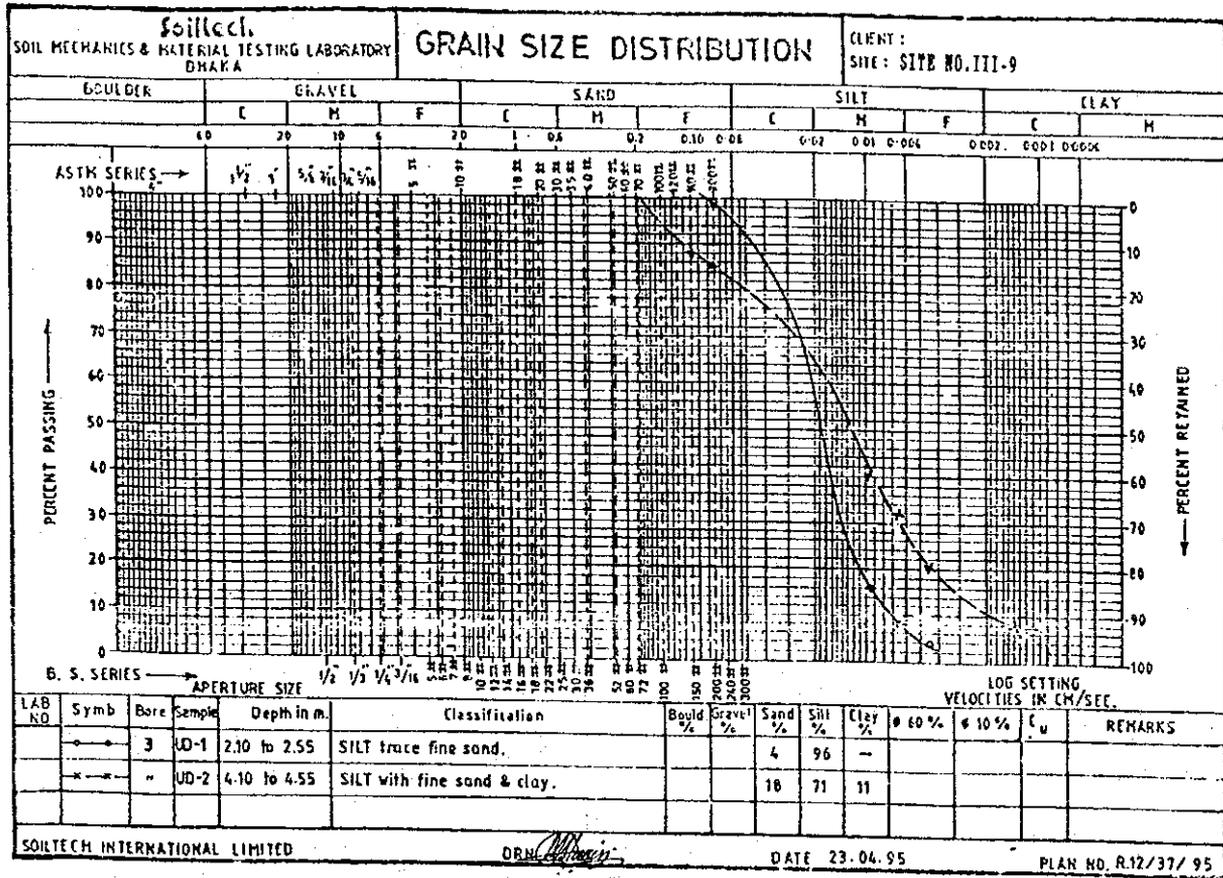


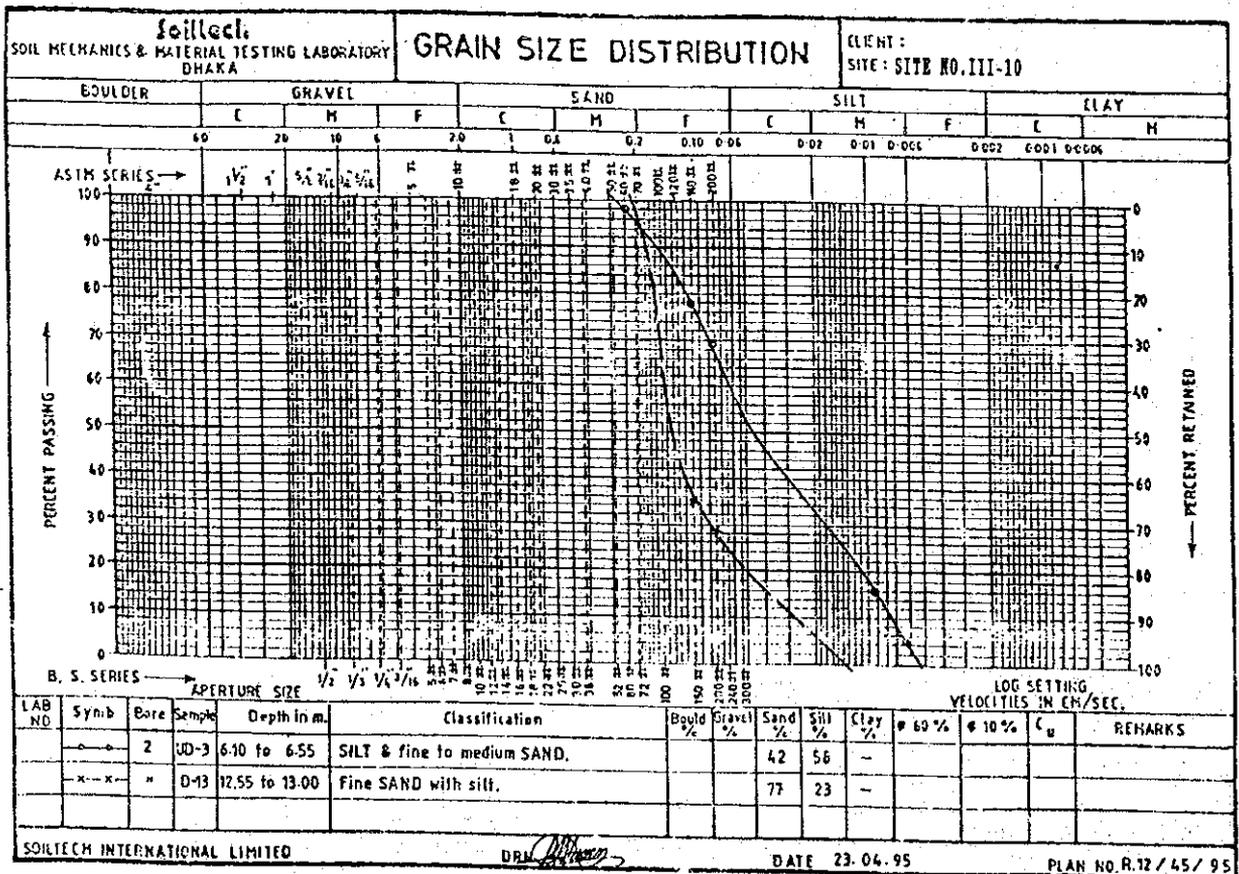
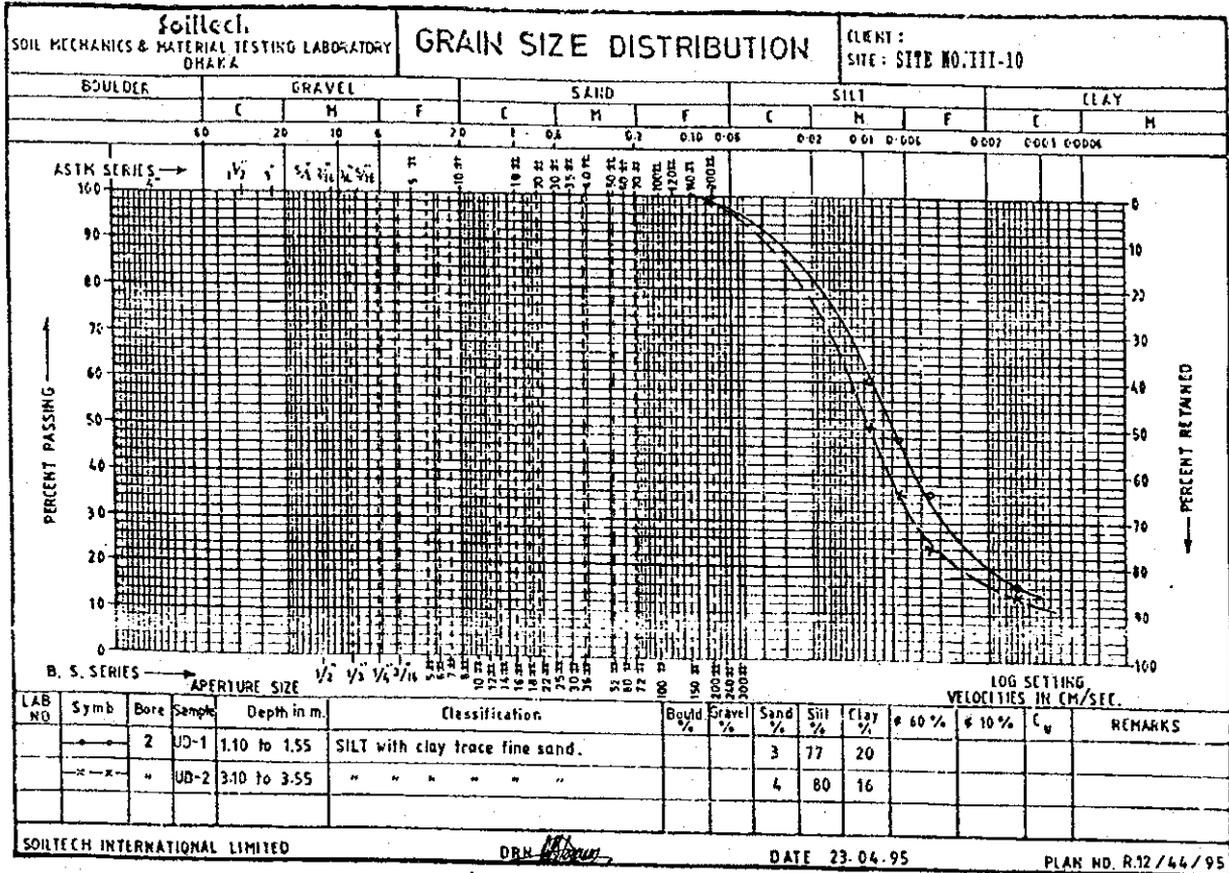
SOILTEST INTERNATIONAL
MATERIAL TESTING LABORATORY
PARTICLE SIZE GRADATION

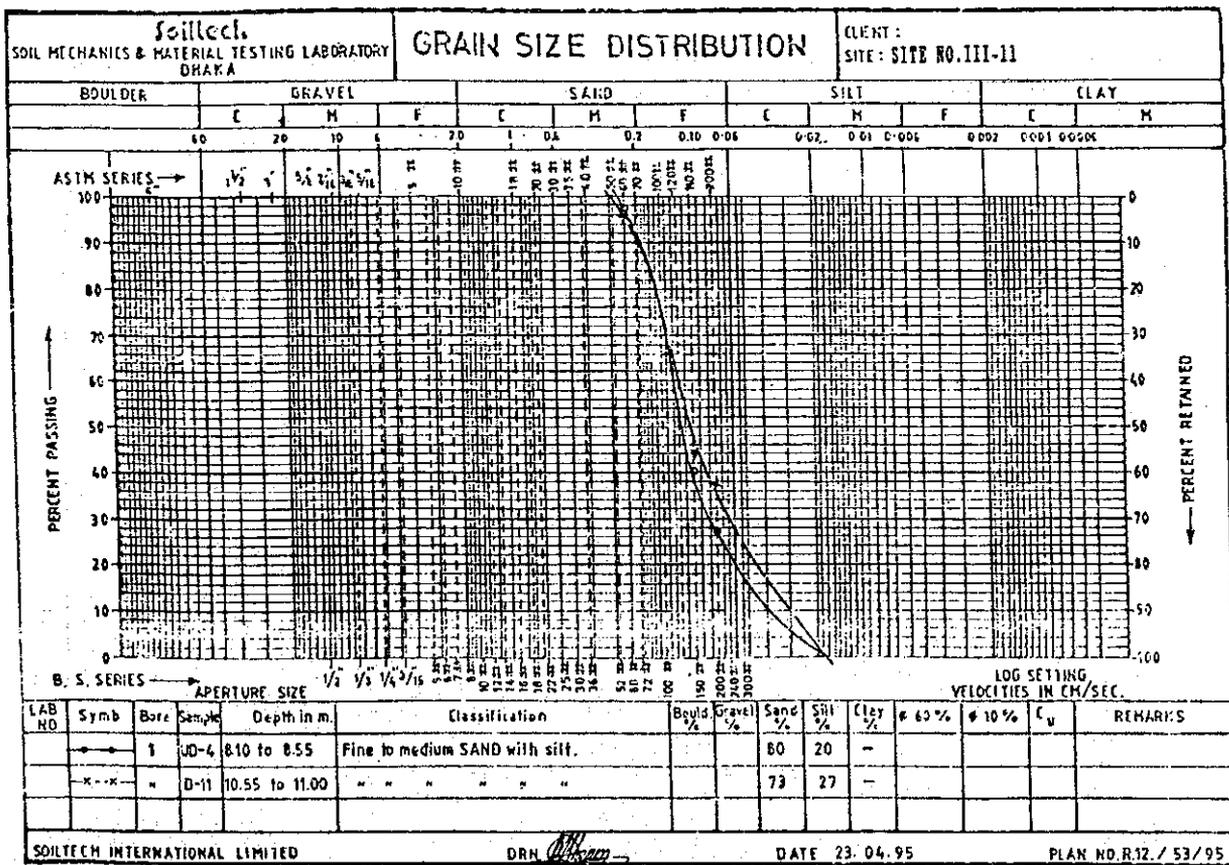
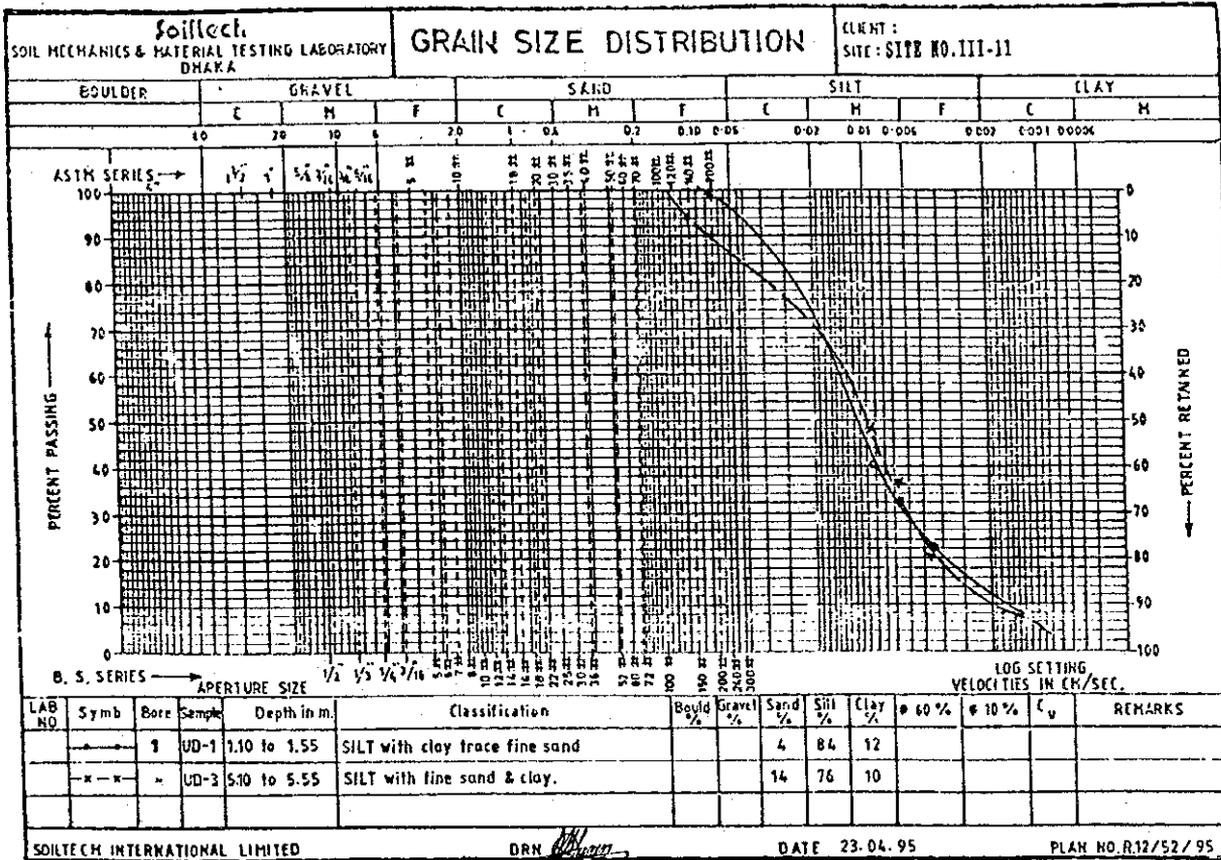
FORM NO. ST-3

SITE NO. III-7

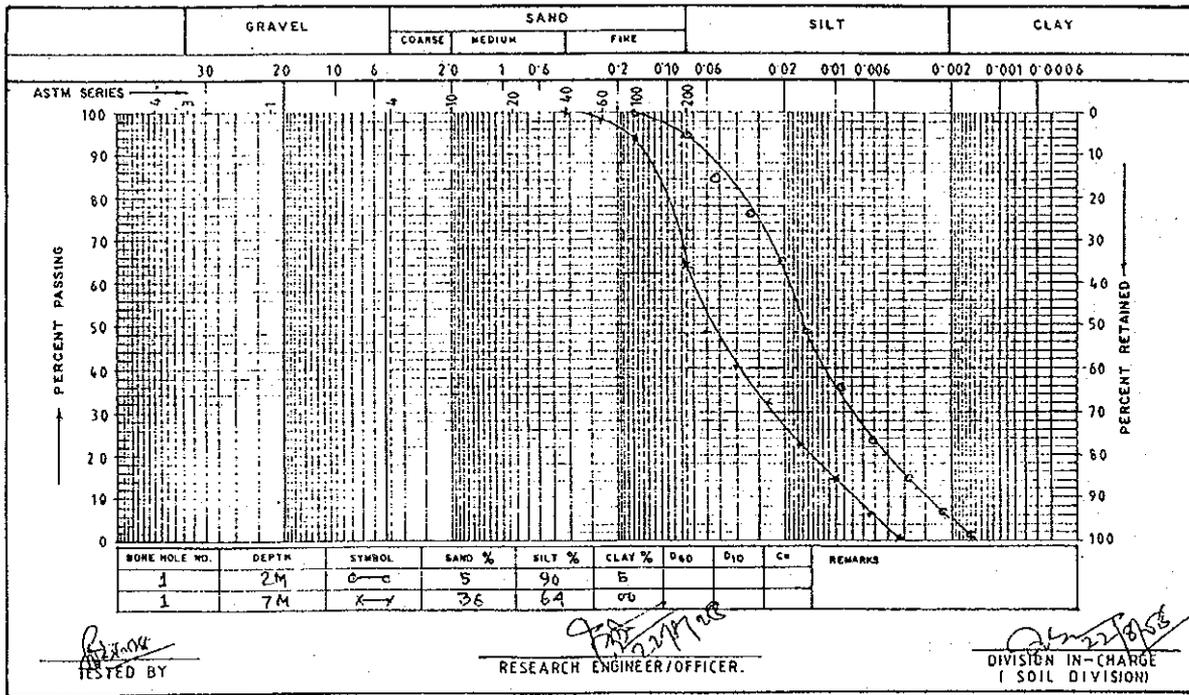




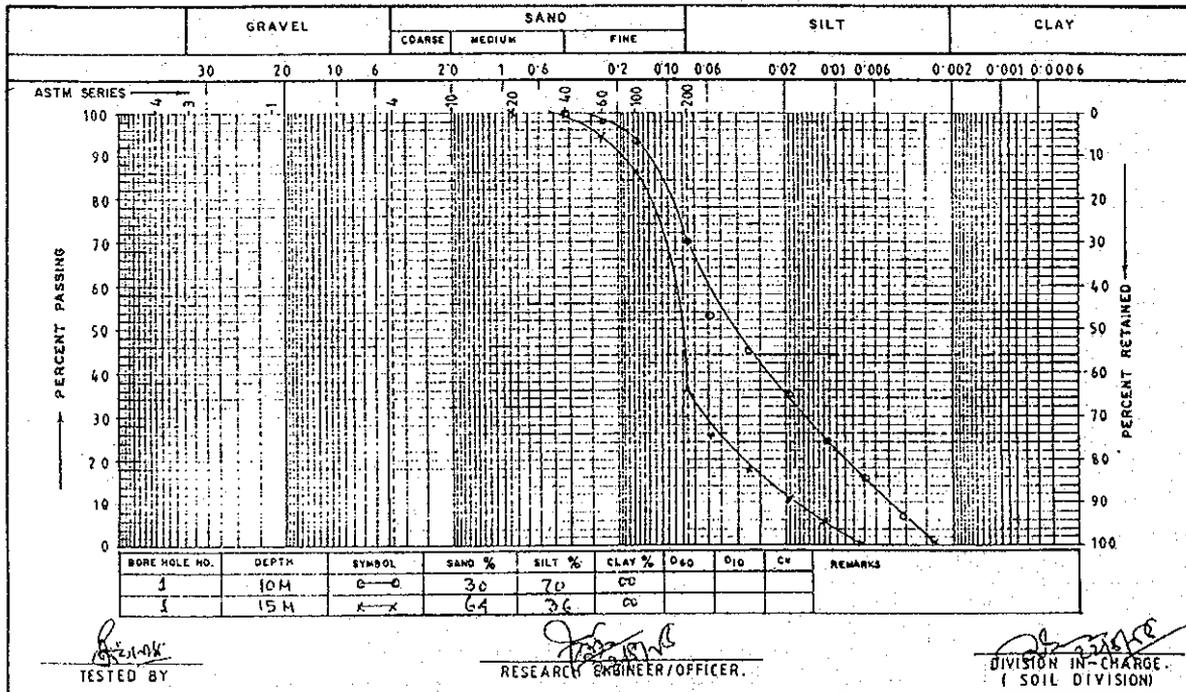




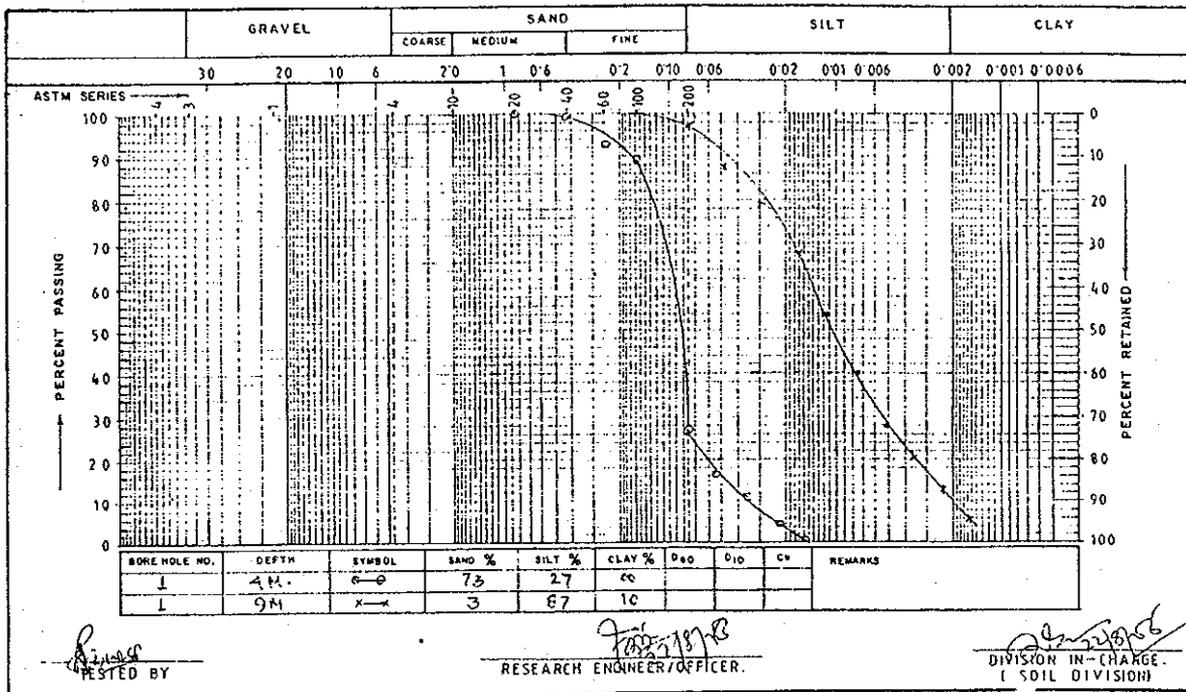
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-12



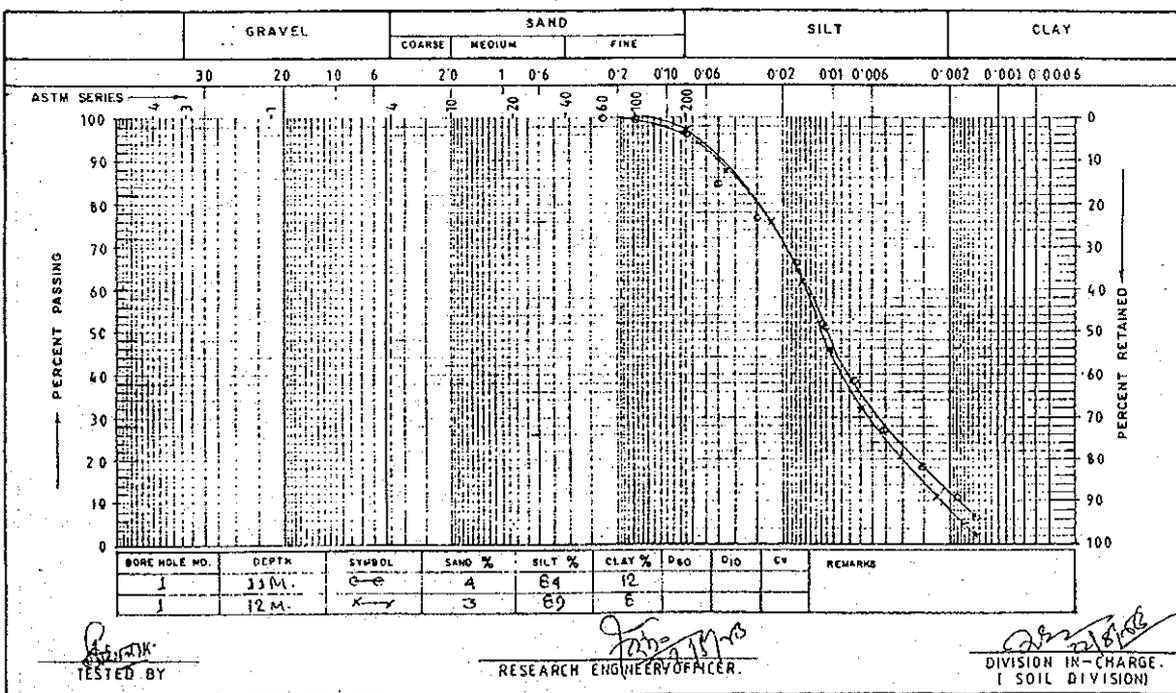
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-12



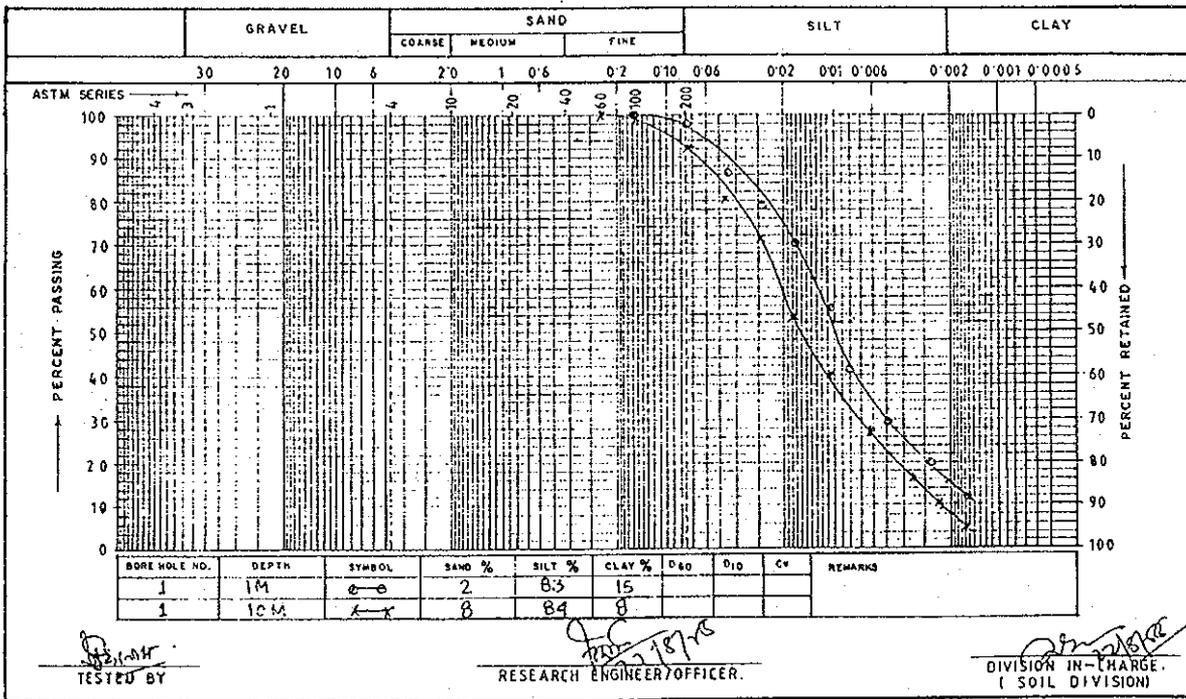
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-13



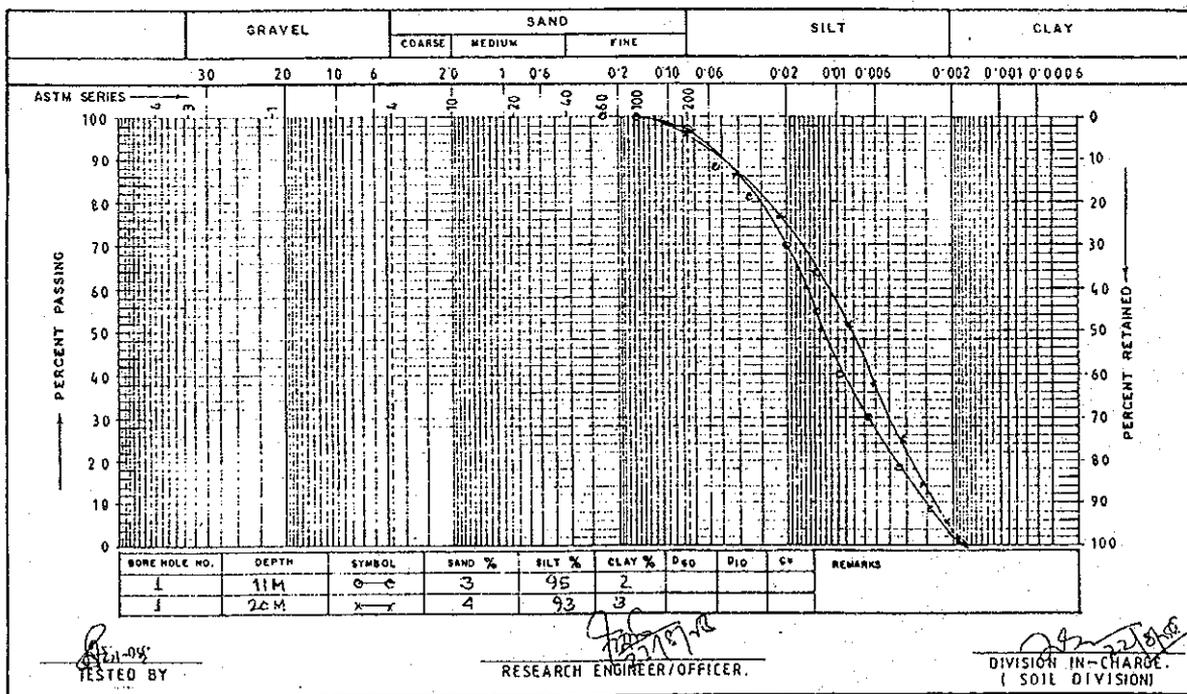
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-13



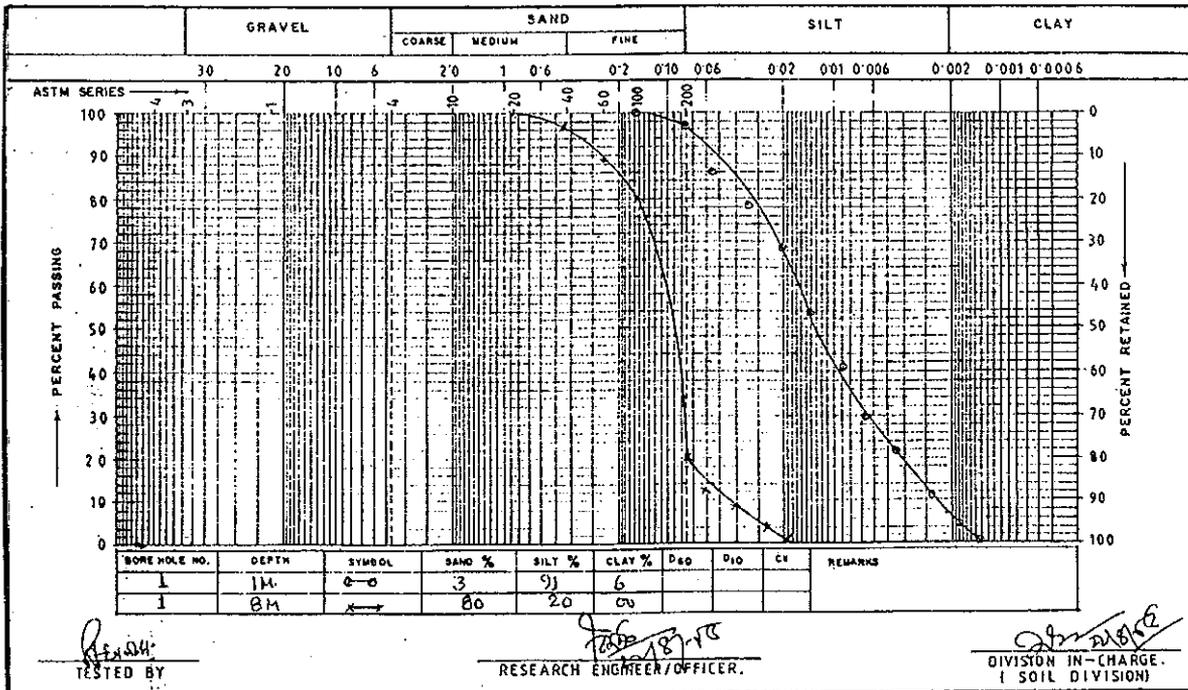
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-14



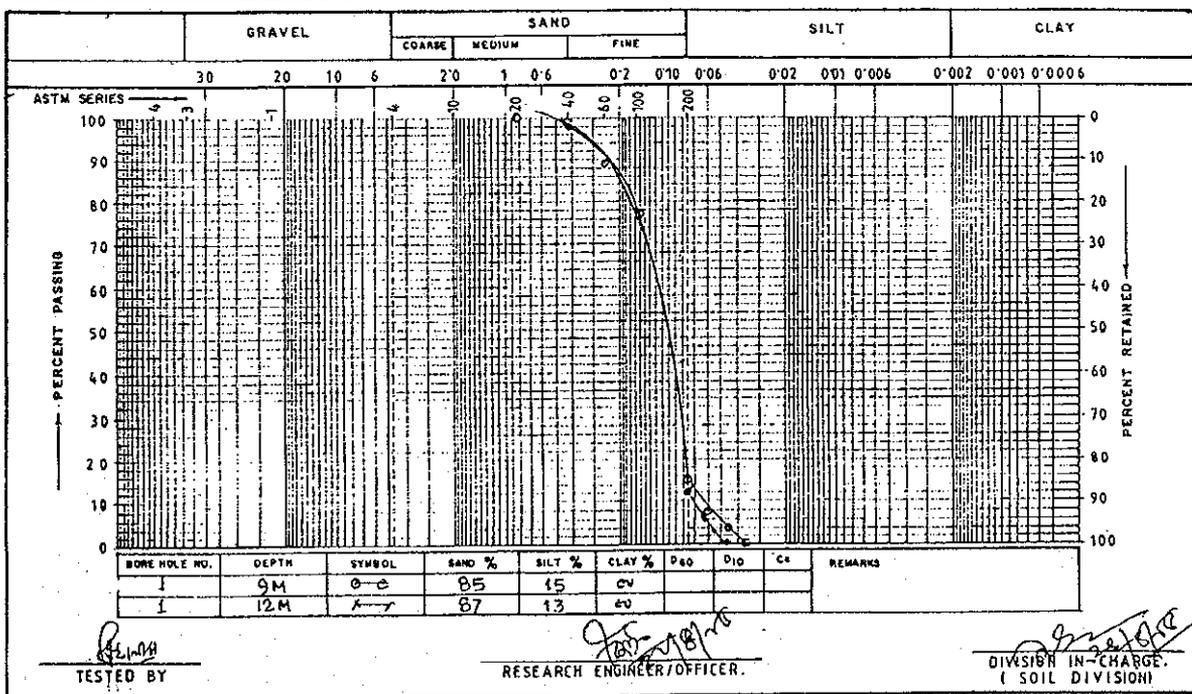
SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO. III-14



SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO.III-15

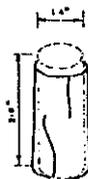
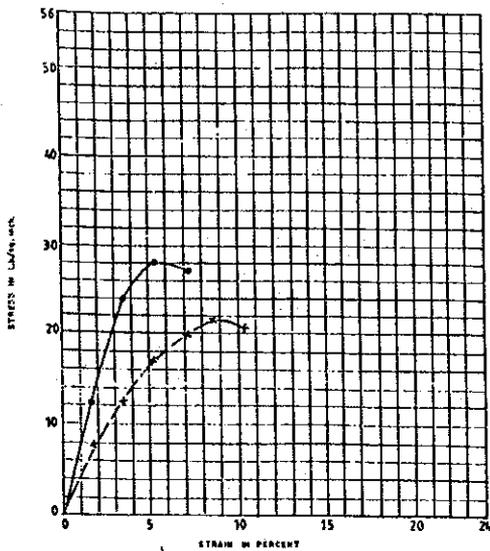


SOIL MECHANICS & FOUNDATION ENGINEERING DIVISION HOUSING & BUILDING RESEARCH INSTITUTE DARUS SALAM, MIRPUR, DHAKA.	GRAIN SIZE ANALYSIS	CLIENT
	PROJECT	LOCATION SITE NO.III-15



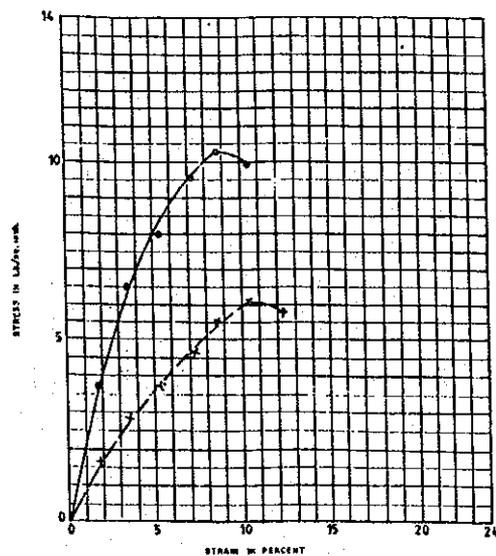
11-2-5 一軸壓縮試驗結果

SITE NO. III-1



Unconfined compressive strength	1.804
Percent Strain at failure	5.357
Sensitivity	$28.02 / 21.66 = 1.293$
Moisture Content (%)	23.89
Dry Density (lb/cft)	99.89
Classification	

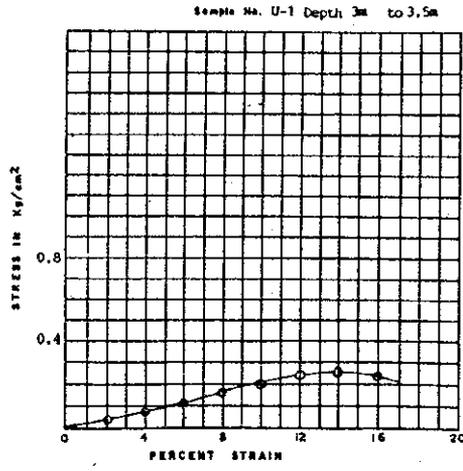
Un-disturbed Sample
Remoulded Sample



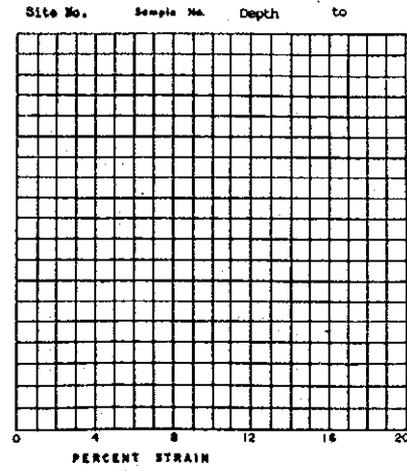
Unconfined compressive strength	0.666
Percent Strain at failure	8.928
Sensitivity	$10.35 / 6.18 = 1.674$
Moisture Content (%)	35.23
Dry Density (lb/cft)	85.30
Classification	

Un-disturbed Sample
Remoulded Sample

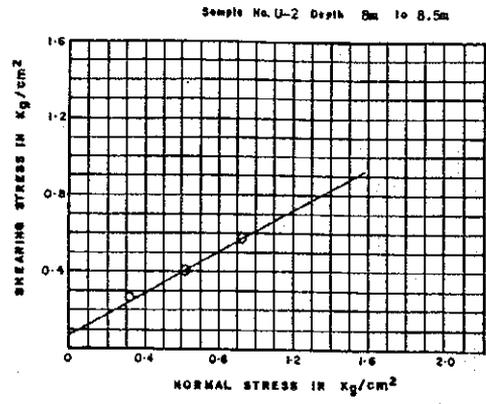
SITE NO. III-2



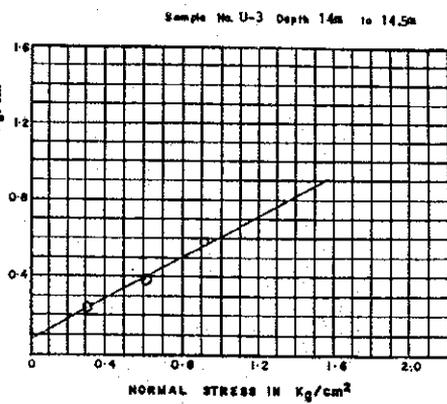
Unclassified compressive strength (Kg/cm ²)	0.2560
Percent strain at failure	14
Moisture content (%)	32.11
Dry density (g/cm ³)	1.292



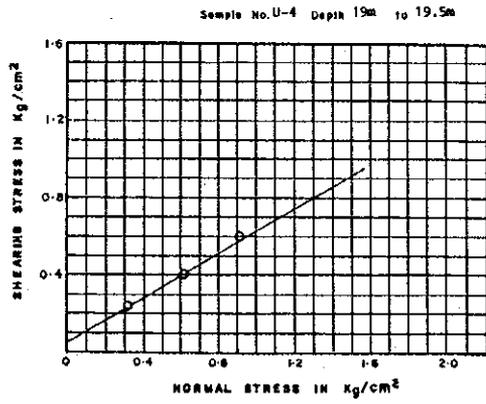
Unclassified compressive strength (Kg/cm ²)	
Percent strain at failure	
Moisture content (%)	
Dry density (g/cm ³)	



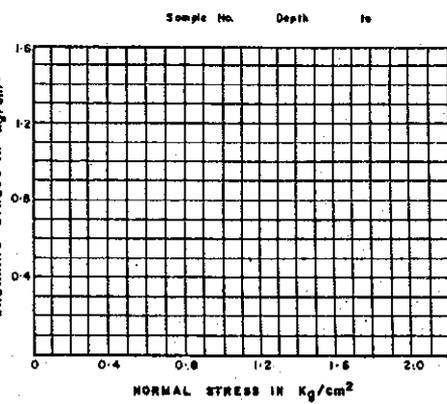
SHEARING ANGLE (degree)	29
COHESION (Kg/cm ²)	0.07



SHEARING ANGLE (degree)	28.5
COHESION (Kg/cm ²)	0.06

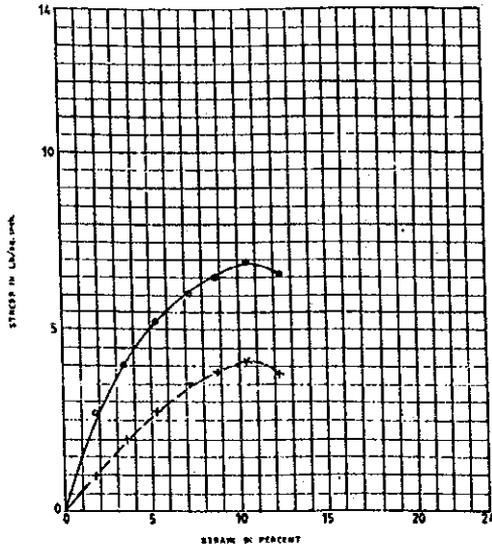


SHEARING ANGLE (degree)	30
COHESION (Kg/cm ²)	0.05



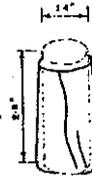
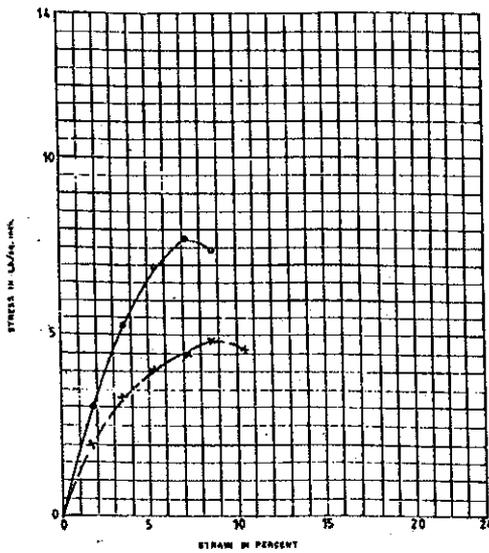
SHEARING ANGLE (degree)	
COHESION (Kg/cm ²)	

SITE NO. III-3



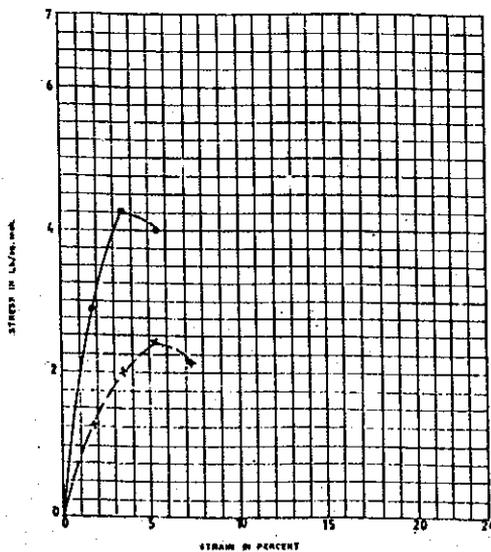
Uncorred compressive strength	0.445
Percent Strain at failure	10.71
Sensitivity	$6.92 / 4.12 = 1.679$
Moisture Content (%)	49.32
Dry Density (lb/cft)	72.72
Classification	

Un-disturbed Sample
Remoulded Sample



Uncorred compressive strength	0.502
Percent Strain at failure	8.928
Sensitivity	$7.80 / 4.98 = 1.566$
Moisture Content (%)	31.12
Dry Density (lb/cft)	89.99
Classification	

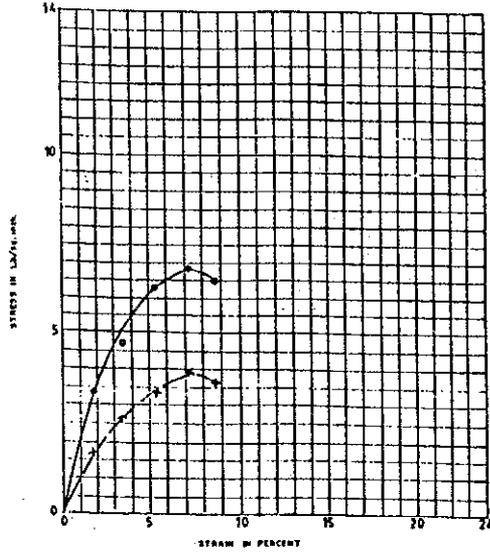
Un-disturbed Sample
Remoulded Sample



Uncorred compressive strength	0.273
Percent Strain at failure	3.51
Sensitivity	$6.25 / 2.38 = 1.785$
Moisture Content (%)	31.50
Dry Density (lb/cft)	88.60
Classification	

Un-disturbed Sample
Remoulded Sample

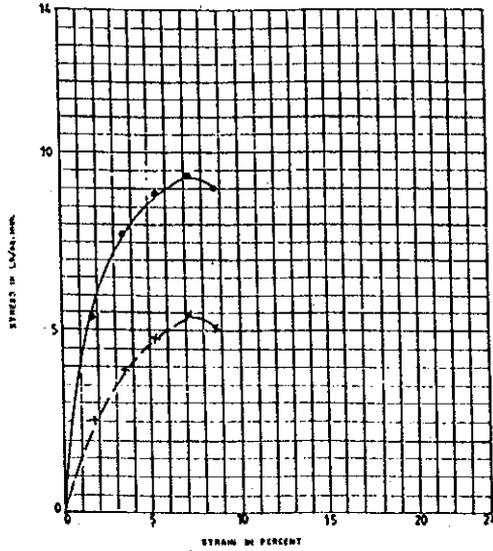
SITE NO. III-3



Unconfined compressive strength	0.439
Percent Strain at failure	7.15
Sensitivity	$6.83 / 3.90 = 1.751$
Moisture Content (%)	29.61
Dry Density (lb/cft)	91.05
Classification	

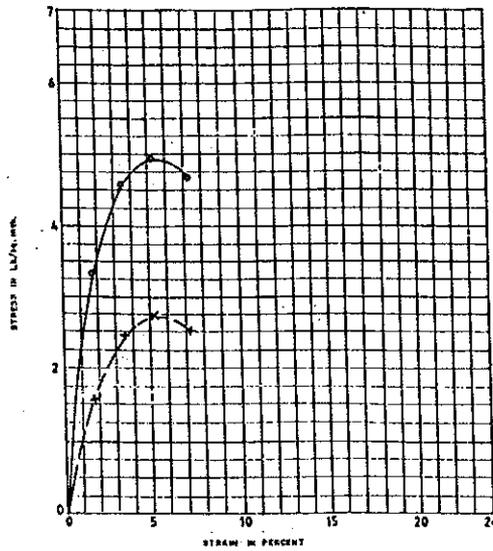
Un-disturbed Sample
Remoulded Sample

SITE NO. III-4



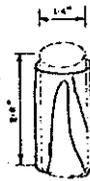
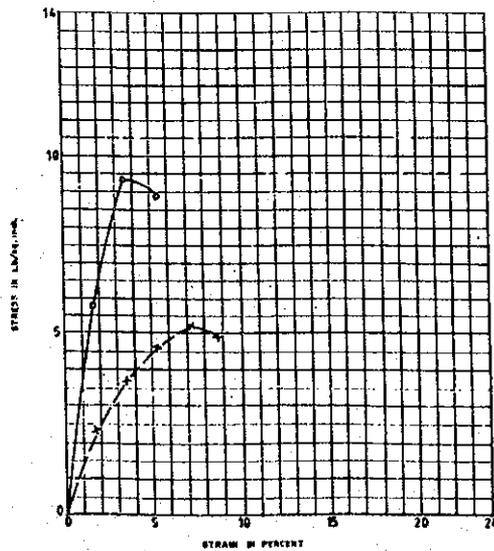
Uncorred compressive strength	0.319
Percent Strain at failure	5.257
Sensitivity	$4.96 / 2.73 = 1.816$
Moisture Content (%)	23.89
Dry Density (lb./cu ft)	99.89
Classification	

Un-disturbed Sample
Remoulded Sample



Uncorred compressive strength	0.602
Percent Strain at failure	2.14
Sensitivity	$9.36 / 5.46 = 1.714$
Moisture Content (%)	26.26
Dry Density (lb./cu ft)	95.91
Classification	

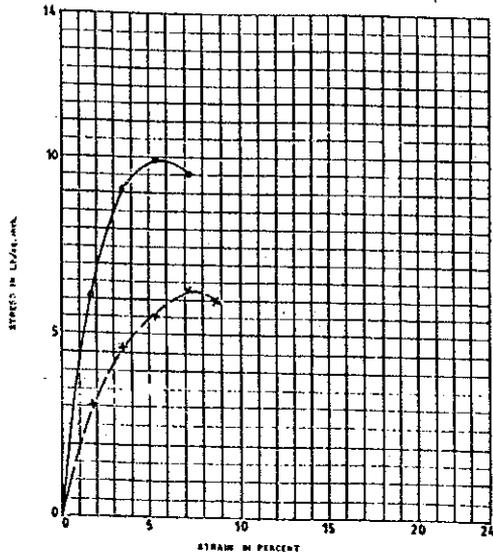
Un-disturbed Sample
Remoulded Sample



Uncorred compressive strength	0.599
Percent Strain at failure	3.510
Sensitivity	$9.31 / 5.26 = 1.769$
Moisture Content (%)	31.37
Dry Density (lb./cu ft)	90.16
Classification	

Un-disturbed Sample
Remoulded Sample

SITE NO. III-4

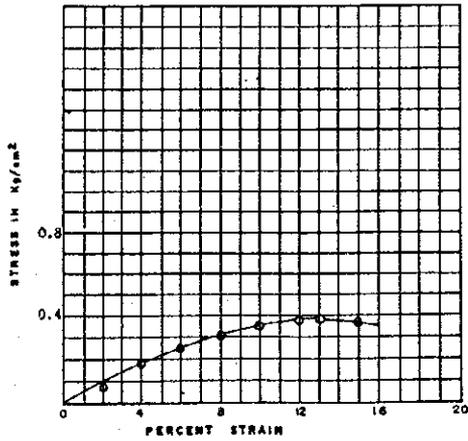


Unconfined compressive strength	0.639
Percent Shrink on Failure	5.357
Sensitivity	$9.92 / 6.26 = 1.591$
Moisture Content (%)	26.63
Dry Density (lb/dft)	94.58
Classification	

Undisturbed Sample.....
Remoulded Sample.....

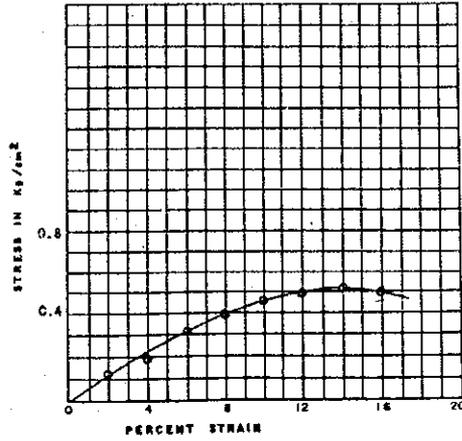
SITE NO. III-5

Sample No. U-1 Depth 3m to 3.5m



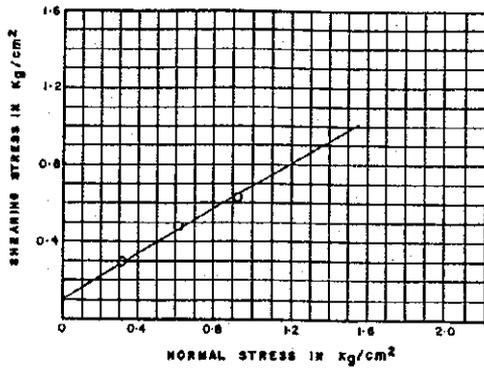
Unconfined compressive strength (Kg/cm ²)	0.3954
Percent strain at failure	13
Moisture content (%)	26.56
Dry density (gm/cc)	1.383

Sample No. U-3 Depth 14m to 14.5m



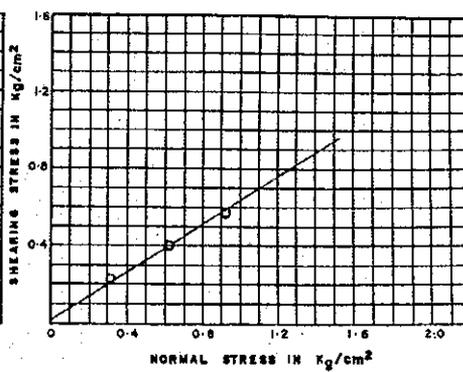
Unconfined compressive strength (Kg/cm ²)	0.515
Percent strain at failure	14
Moisture content (%)	26.32
Dry density (gm/cc)	1.449

Sample No. U-2 Depth 8m to 8.5m



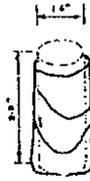
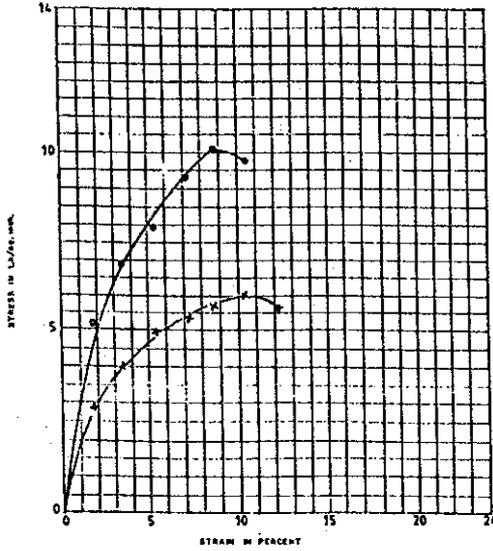
SHEARING ANGLE (degree)	30
COHESION (Kg/cm ²)	0.105

Sample No. U-4 Depth 19m to 19.5m



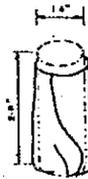
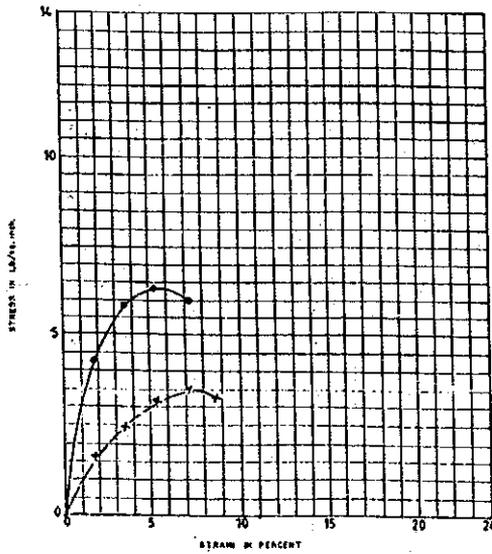
SHEARING ANGLE (degree)	32
COHESION (Kg/cm ²)	0.020

SITE NO. III-6



Unclassified compressive strength	0.656
Percent Skain at failure	8.928
Sensitivity	$10.16 / 5.99 = 1.696$
Moisture Content (%)	53.69
Dry Density (lb/cft)	77.63
Classification	

Un-disturbed Sample
Remoulded Sample

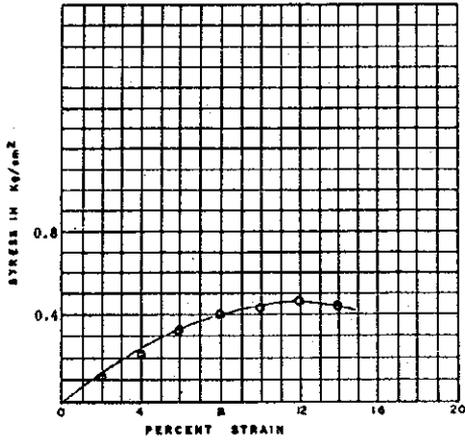


Unclassified compressive strength	0.409
Percent Skain at failure	5.357
Sensitivity	$8.26 / 3.51 = 2.353$
Moisture Content (%)	27.73
Dry Density (lb/cft)	96.16
Classification	

Un-disturbed Sample
Remoulded Sample

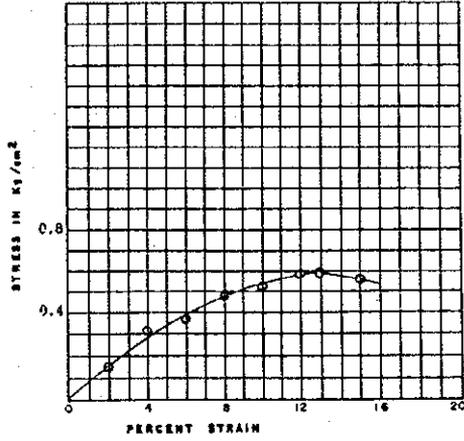
SITE NO. III-7

Sample No. U-1 Depth 3m to 3.5m



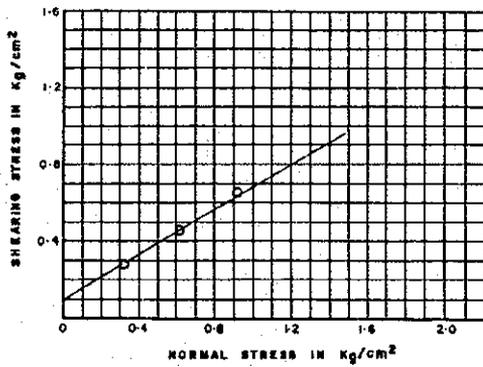
Unconfined compressive strength (Kg/cm ²)	0.4538
Percent strain at failure	12
Moisture content (%)	25.96
Dry density (gm/cc)	1.3972

Sample No. U-3 Depth 14m to 14.5m



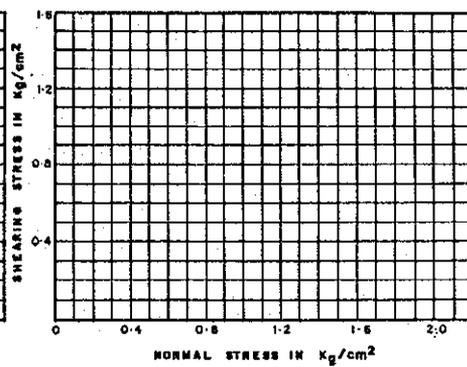
Unconfined compressive strength (Kg/cm ²)	0.594
Percent strain at failure	13
Moisture content (%)	24.76
Dry density (gm/cc)	1.468

Sample No. U-2 Depth 8m to 8.5m



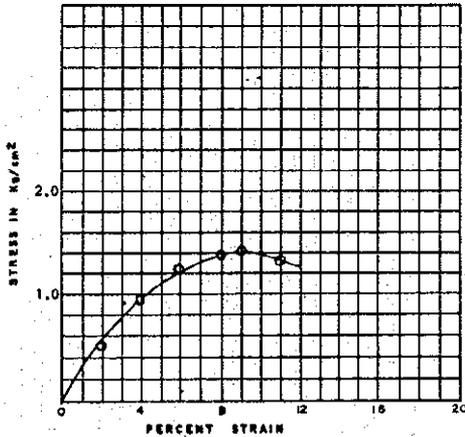
SHEARING ANGLE (degree)	30.5
COHESION (Kg/cm ²)	0.100

Sample No. Depth to



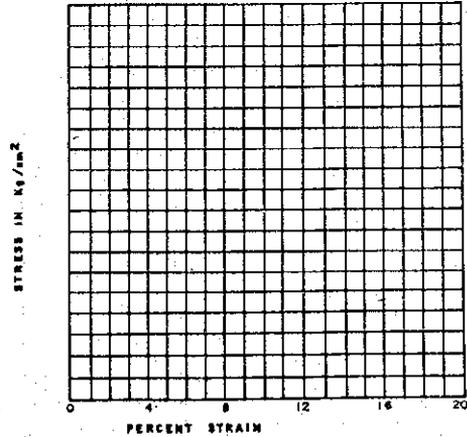
SHEARING ANGLE (degree)	
COHESION (Kg/cm ²)	

Sample No. U-4 Depth 19m to 19.5m



Unconfined compressive strength (Kg/cm ²)	1.423
Percent strain at failure	9
Moisture content (%)	23.42
Dry density (gm/cc)	1.6177

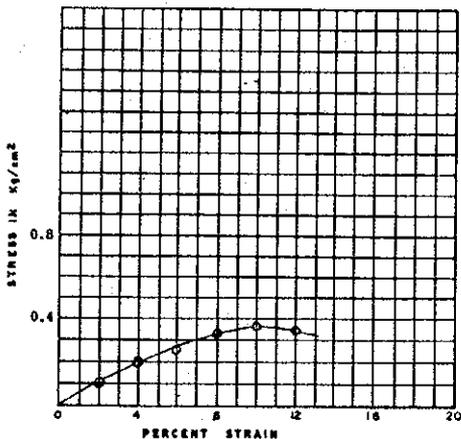
Sample No. Depth to



Unconfined compressive strength (Kg/cm ²)	
Percent strain at failure	
Moisture content (%)	
Dry density (gm/cc)	

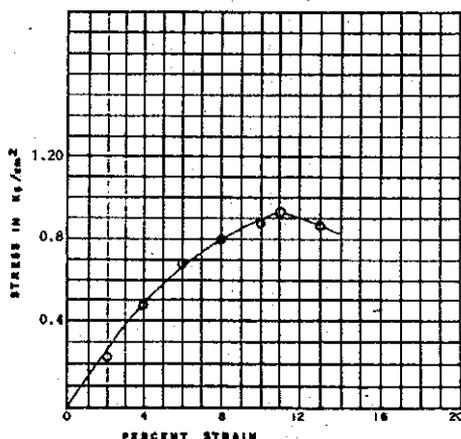
SITE NO. III-8

Sample No. U-1 Depth 3m to 3.5m



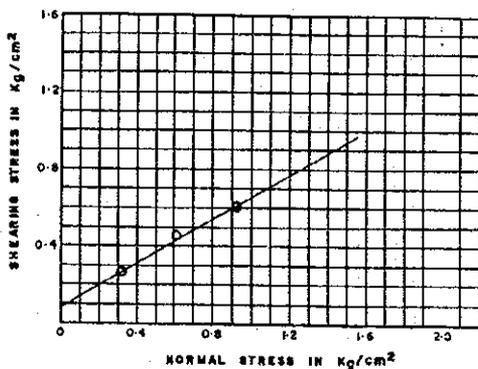
Unconfined compressive strength (Kg/cm ²)	0.3708
Percent strain at failure	12
Moisture content (%)	28.1
Dry density (gm/cc)	1.3485

Sample No. U-3 Depth 14m to 14.5m



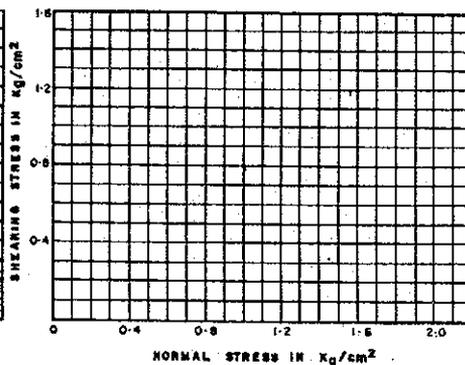
Unconfined compressive strength (Kg/cm ²)	0.9304
Percent strain at failure	11
Moisture content (%)	24.21
Dry density (gm/cc)	1.5578

Sample No. U-2 Depth 8m to 8.5c



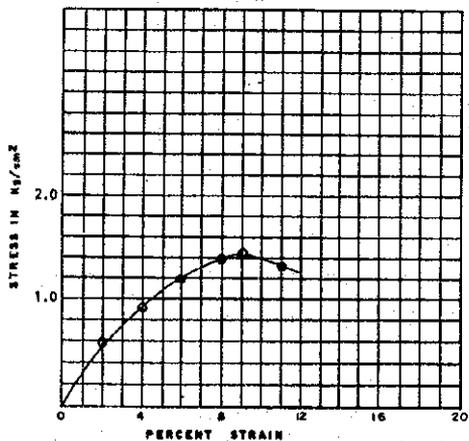
SHEARING ANGLE (degree)	30
COHESION (Kg/cm ²)	0.9

Sample No. Depth 1a



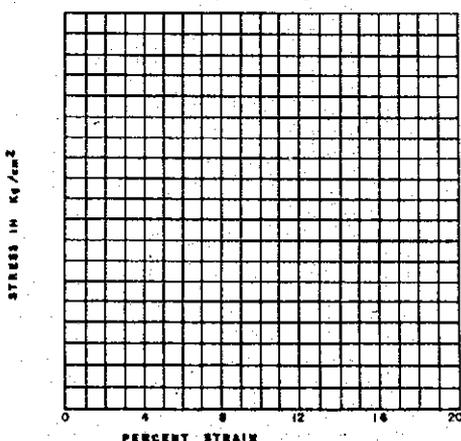
SHEARING ANGLE (degree)	
COHESION (Kg/cm ²)	

Sample No. U-4 Depth 19m to 20m



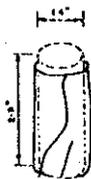
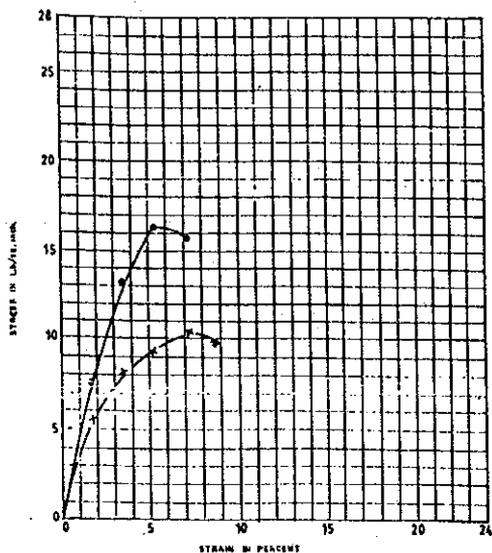
Unconfined compressive strength (Kg/cm ²)	1.4580
Percent strain at failure	9
Moisture content (%)	22.51
Dry density (gm/cc)	1.636

Site No. Sample No. Depth to



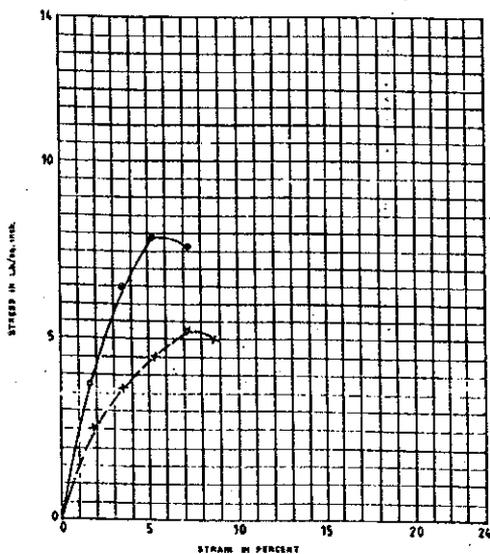
Unconfined compressive strength (Kg/cm ²)	
Percent strain at failure	
Moisture content (%)	
Dry density (gm/cc)	

SITE NO. III-9



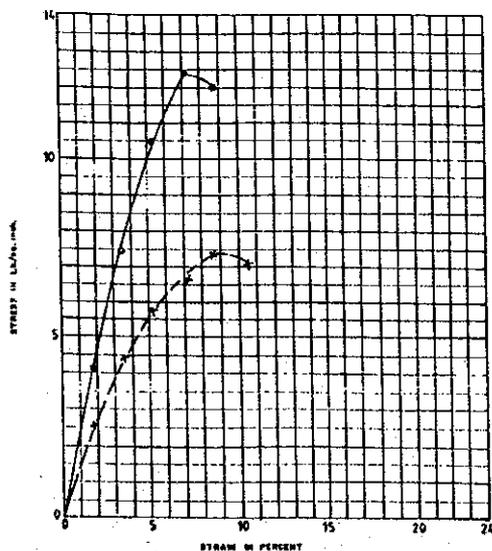
Uncolored compressive strength	1.059
Percent Strain at failure	5.357
Sensitivity	$16.29/10.26 = 1.575$
Moisture Content (%)	34.16
Dry Density (lb./cu.)	85.12
Classification	

Un-disturbed Sample
Remoulded Sample



Uncolored compressive strength	0.511
Percent Strain at failure	5.357
Sensitivity	$7.95/5.26 = 1.511$
Moisture Content (%)	32.04
Dry Density (lb./cu.)	84.24
Classification	

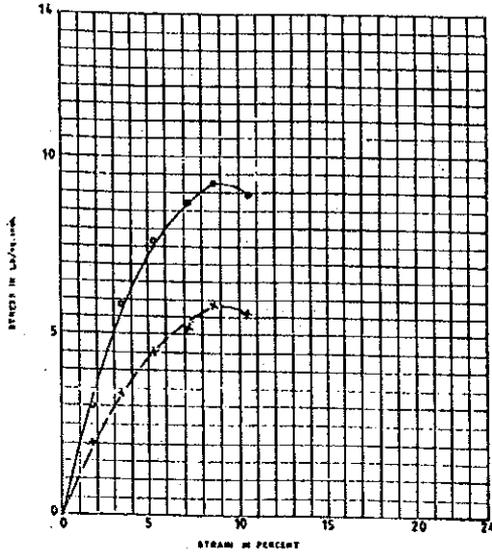
Un-disturbed Sample
Remoulded Sample



Uncolored compressive strength	0.904
Percent Strain at failure	7.14
Sensitivity	$12.49/7.47 = 1.672$
Moisture Content (%)	37.70
Dry Density (lb./cu.)	80.88
Classification	

Un-disturbed Sample
Remoulded Sample

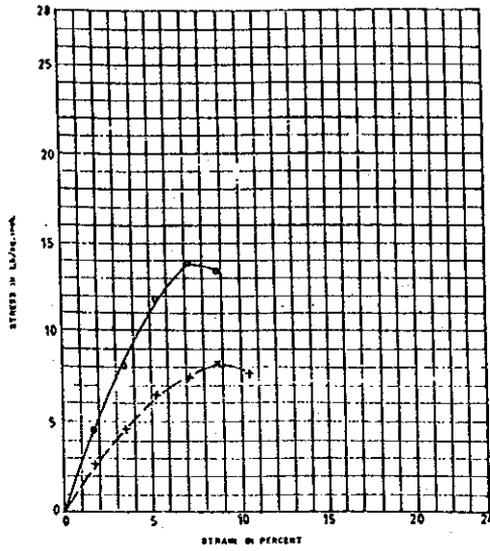
SITE NO. III-9



Unspecified concrete strength	0.604
Percent Strain at failure	9.328
Sensitivity	$9.39/5.94 = 1.580$
Relative Compress (%)	35.10
Dry Density (lb./cu.)	83.09
Classification	

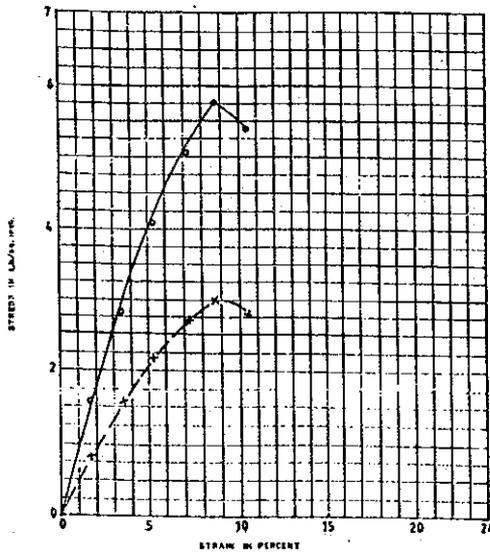
Un-disturbed Sample
 Remoulded Sample

SITE NO. III-10



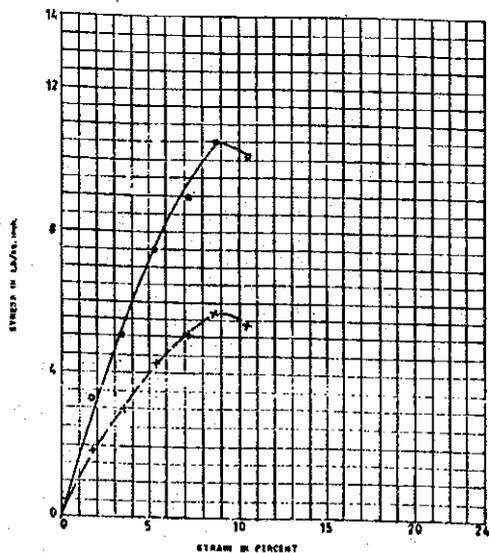
Uncorrected compressive strength	0.891
Percent Shrink at failure	7.14
Sensitivity	$13.85 / 8.24 = 1.680$
Moisture Content (%)	34.87
Dry Density (lb/cft)	8.619
Classification	

Un-disturbed Sample
Remoulded Sample



Uncorrected compressive strength	0.37
Percent Shrink at failure	8.928
Sensitivity	$5.75 / 3.06 = 1.879$
Moisture Content (%)	39.68
Dry Density (lb/cft)	83.02
Classification	

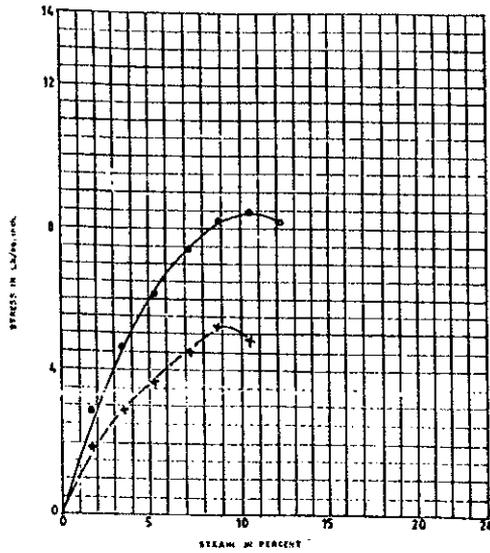
Un-disturbed Sample
Remoulded Sample



Uncorrected compressive strength	0.578
Percent Shrink at failure	8.928
Sensitivity	$10.54 / 5.75 = 1.833$
Moisture Content (%)	35.38
Dry Density (lb/cft)	8.619
Classification	

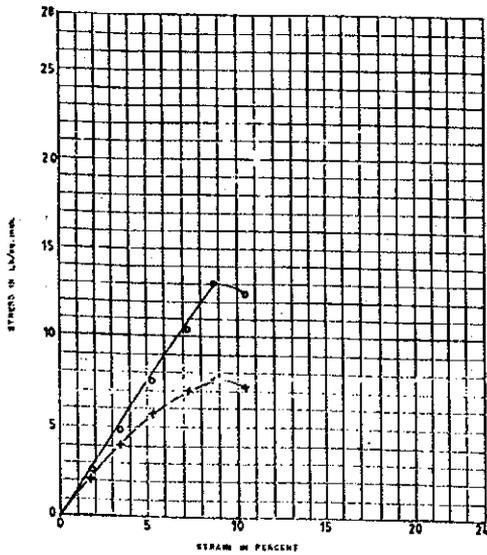
Un-disturbed Sample
Remoulded Sample

SITE NO. III-11



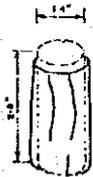
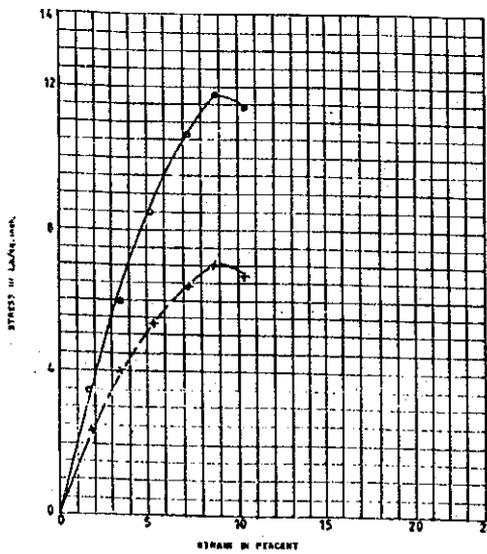
Uncorrected compressive strength	0.562
Percent Strain at failure	10.716
Sensitivity	$8.52 / 5.17 = 1.628$
Moisture Content (%)	37.91
Dry Density (lb/cft)	85.57
Classification	

Un-disturbed Sample
Remoulded Sample



Uncorrected compressive strength	0.839
Percent Strain at failure	8.928
Sensitivity	$13.09 / 7.67 = 1.699$
Moisture Content (%)	38.45
Dry Density (lb/cft)	84.75
Classification	

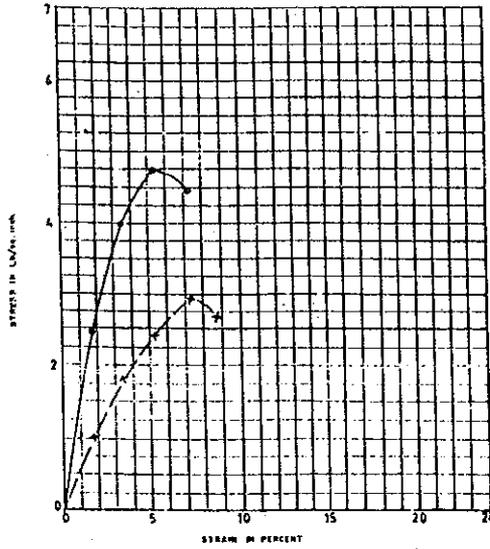
Un-disturbed Sample
Remoulded Sample



Uncorrected compressive strength	0.765
Percent Strain at failure	8.928
Sensitivity	$11.88 / 7.09 = 1.677$
Moisture Content (%)	31.74
Dry Density (lb/cft)	91.05
Classification	

Un-disturbed Sample
Remoulded Sample

SITE NO. III-11

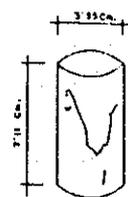
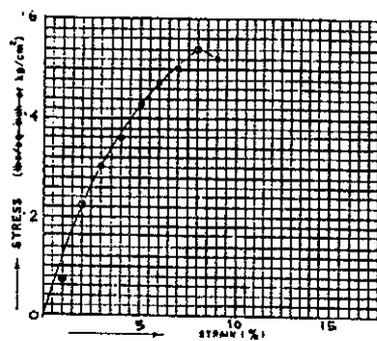


Unconfined compressive strength	9.379
Percent Strain at failure	5.352
Sensitivity	$5.76 / 2.92 = 1.972$
Moisture Content (%)	37.50
Dry Density (lb./cu ft)	88.40
Classification	

Un-disturbed Sample
 Remoulded Sample

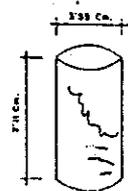
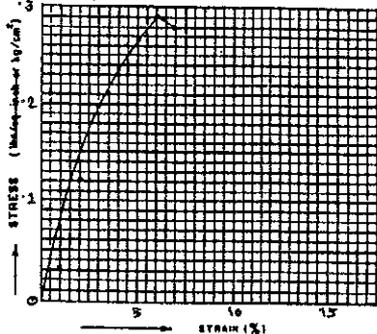
SITE NO. III-12

UNCONFINED COMPRESSION TEST



FAILURE SKETCH

UNCONFINED COMPRESSION TEST

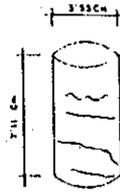
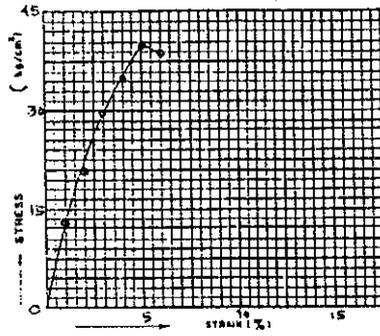


FAILURE SKETCH

SYMBOL	SH. NO.	SAMPLE	DEPTH A/M	q_u (kg/cm ²)	% STRAIN	WET WT (g)	CONT. WT (g)	% MOISTURE
Q-6	1	1	1.80-2.10	0.84	8	1.92	1.41	36.00
Q-6	1	18	18.4	0.29	6	2.01	1.51	33.08

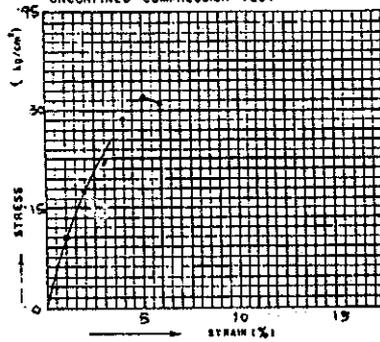
SITE NO. III-13

UNCONFINED COMPRESSION TEST



FAILURE SKETCH

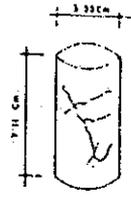
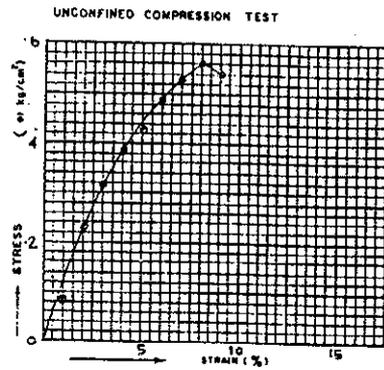
UNCONFINED COMPRESSION TEST



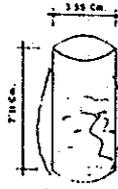
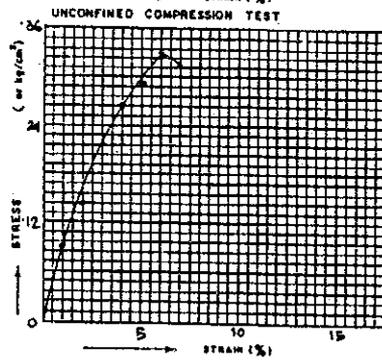
FAILURE SKETCH

SYMBOL	DR. NO.	SAMPLE DEPTH	PC/M	q_u (kg/cm ²)	STRAIN (%)	(wet)	(dry)	% MOISTURE
○	1	1	1M	0.40	5	2.02	1.525	32.40
○	1	16	16M.	0.22	5	1.99	1.45	37.17

SITE NO. III-14



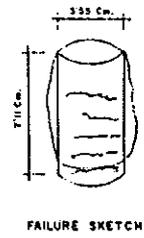
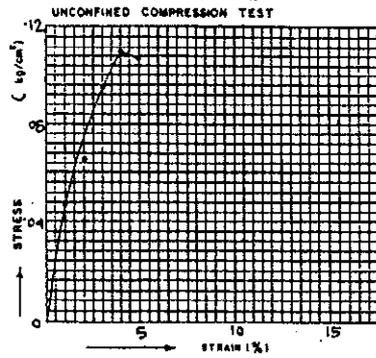
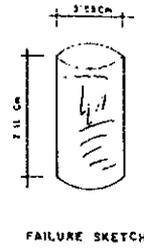
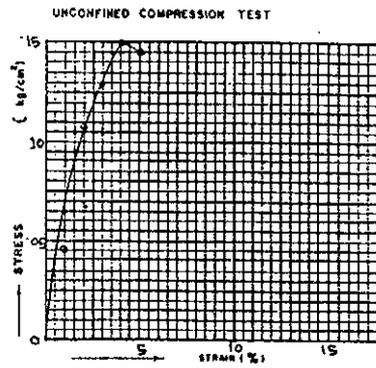
FAILURE SKETCH



FAILURE SKETCH

SYMBOL	SN. NO.	SAMPLE	DEPTH FT/W	γ_d (g/cm ³)	% STAIN	(WET) (%)	(DRY) (%)	% MOISTURE
0-0	1	2	2M.	0.56	8	2.01	1.51	32.74
0-0	1	18	18M	0.33	6	1.95	1.45	35.00

SITE NO. III-15



SYMBOL	SR. NO.	SAMPLE	DEPTH FT/D	q_u (kg/cm ²)	% STRAIN	WET WT (g)	DRY WT (g)	% MOISTURE
○	1	2	2 M.	0.15	4	1.95	1.39	40.81
□	1	17	17 M.	0.11	4	1.92	1.40	36.75

JICA