BORING NUMBER	SAMPLE NUMBER/ TYPE	SAMPLE DEPTH (Feet)	VISUAL CLASSIFICATION	U S C	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (pcf)	UNIT WET WEIGHT (pcf)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	BAR LINEAR SHRINKAGE (%)	ABBREVIATED MECHANICAL ANALYSIS	COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH (ksf)*	TORVANE SHEAR (ksf)	SOIL SALINITY (Parts per Thousand)
87-181	1Q	0-1	Stiff red clay, with sand seams & layers & calcareous nodules	CH	20														
	2Q	3-4	Firm red silty clay, with sand seams	CL	24	93			55	19		59					0.60		
	3Q	5-6	Firm red clay, with sand pockets	CH	25														
	4Q	7-8	Firm brown clay, with silty seam and ferrous nodules	CH	27	95			63	19		86					0.80		
	5Q	9-10	Very soft red clay, with sand pockets	CH	35														
	6Q	11-12	Firm tan clay, slickensided, with sand partings and platey	CH	26	93			65	21		96					0.95		
	7Q	13-14	Firm red clay, with sand seams, pockets & partings & sand stone	CH	37														
	8Q	15-16	Firm red clay, with silt & sand pockets and sand partings	CH	37														
	9Q	17-18	Firm gray clay, blockey, with silt nodules	CH	42	85			73	28		96					0.68		
	10Q	19-20	Firm red clay, with sand pockets and partings & petroleum odor	CH	39														
	11Q	21-22	Firm olive gray silty clay, with clay pockets and calcareous & ferrous nodules	CL	26														
	12Q	23-24	Firm tan and olive gray clay with silt nodules and roots	CH	30				54	18		93					0.68		
	13Q	24-25	Soft tan silty clay, with clay pockets, calcareous and ferrous nodules	CL	26														
	14Q	27-28	Soft red clay, with sand seam and partings, calcareous and ferrous nodules	CH	37														
	15Q	29-30	Soft gray and red clay, with sand seams, pockets & partings, ferrous nodules, shell frag.	CH	34														
	16Q	33-34	Soft dark gray clay, blocky, with sand partings and seams	CH	19	91			73	21		32					0.35		
	17Q	35-36	Firm gray clay, with sand seams and partings	CH	43	77			69	20		82					0.87		
	18Q	37-38	Firm gray sandy clay, with shell fragments	CL	29	97			31	17		46					0.57		
	19Q	39-40	Firm gray sandy clay, with sand partings and shell fragments	CL	33	90			45	14		45					0.75		
	20J	41-41.5	Red silty fine sand, with clay pockets and free water	SM															
	21J	42.5-43	Brown sand	SP-SM								10							
	22J	49.5-50	Brown sand, with ferrous nodules	SP-SM															
			CONTINUED																

* Based on Unconfined Compression Test

SUMMARY OF TEST RESULTS
DELIVERY ORDER NO. 0023
SNAKE ISLAND DISPOSAL AREA
TEXAS CITY, TEXAS

BORING NUMBER	SAMPLE NUMBER/ TYPE	SAMPLE DEPTH (Feet)	VISUAL CLASSIFICATION	U S C	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (pcf)	UNIT WET WEIGHT (pcf)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT (%)	PLASTIC LIMIT (%)	BAR LINEAR SHRINKAGE (%)	ABBREVIATED MECHANICAL ANALYSIS	COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH (ksf)*	TORVANE SHEAR (ksf)	SOIL SALINITY (Parts per Thousand)
87-181	23Q	52-53	Stiff red clay, with calcareous nodules	CH	29														
	24Q	53.5-54	Very stiff olive gray and light brown sandy clay, with silt stones	CL	19	112			41	14		84					2.42	3.14	
	25Q	59.5-60	Stiff red clay, slickensided, with calcareous nodules	CH	26														

* Based on Unconfined Compression Test

SUMMARY OF TEST RESULTS
DELIVERY ORDER NO. 0023
SNAKE ISLAND DISPOSAL AREA
TEXAS CITY, TEXAS

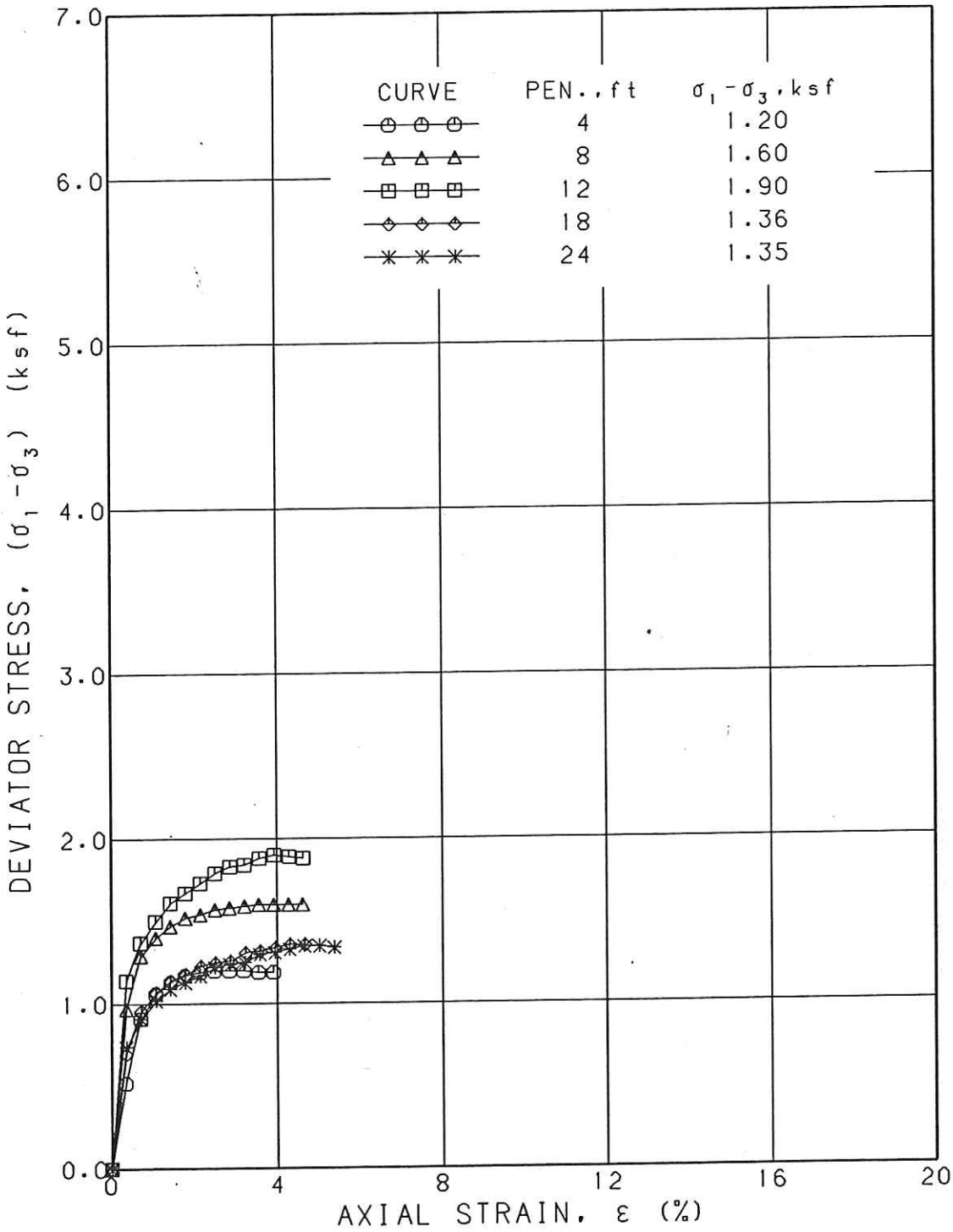
McCLELLAND ENGINEERS

Boring Number	Sample Number	Depth, ft	Weight of Dry Soil gms (Total Sample)	Percent Finer 0.375	#4	#10	#40	#200
87-160	48	108	116.84			100	99	64
87-161	3	5	64.15	100	99	98	96	88
87-161	4	9	88.38				100	69
87-161	5	10	90.08	100	79	65	59	16
87-161	7	15	75.55				100	71
87-161	9	25	44.68				100	99
87-161	11	32	79.30			100	97	93
87-161	13	40	114.42				100	97
87-161	16	50	79.39		100	99	99	98
87-161	17	55	34.49					100
87-161	19	65	32.63			100	99	97
87-161	21	75	45.74			100	98	93
87-161	23	84	52.12				100	93
87-161	26	100	41.17				100	97
87-161	27	104	90.28				100	60
87-162	2	3	54.96			100	98	92
87-162	4	5	45.58	100	99	99	98	97
87-162	6	10	68.04			100	99	35
87-162	8	16	52.98	100	99	98	96	74
87-162	10	19	118.35				100	80
87-162	12	24	41.15				100	99
87-162	16	32	57.55				100	96
87-181	2	4	58.48				100	59
87-181	4	8	51.74			100	99	86

RESULTS OF ABBREVIATED SIEVE ANALYSES

Boring Number	Sample Number	Depth, ft	Weight of Dry Soil gms (Total Sample)	Percent Finer 0.375	#4	#10	#40	#200
87-181	6	12	46.44				100	96
87-181	9	18	58.63				100	96
87-181	12	24	58.57			100	99	93
87-181	16	34	144.97			100	99	32
87-181	17	36	73.40				100	82
87-181	18	38	88.20				100	46
87-181	19	40	78.66				100	45
87-181	21	43	90.38				100	10
87-181	24	54	69.73			100	99	84
87-182	5	10	62.86				100	93
87-182	8	16	60.03		100	99	99	87
87-182	13	26	72.55		100	99	97	87
87-182	17	34	58.99				100	97
87-182	18	36	93.66				100	53
87-182	19	38	69.02	100	99	99	99	67
87-182	25	52	45.81			100	99	97
87-183	6	6	66.05	100	99	99	99	79
87-183	7	16	126.88				100	56
87-183	10	24	51.63				100	99
87-183	13	30	40.60				100	99
87-186	4	6	61.73			100	98	86
87-186	6	10	57.81				100	96
87-186	9	16	75.31		100	99	99	79
87-186	11	20	67.56				100	98

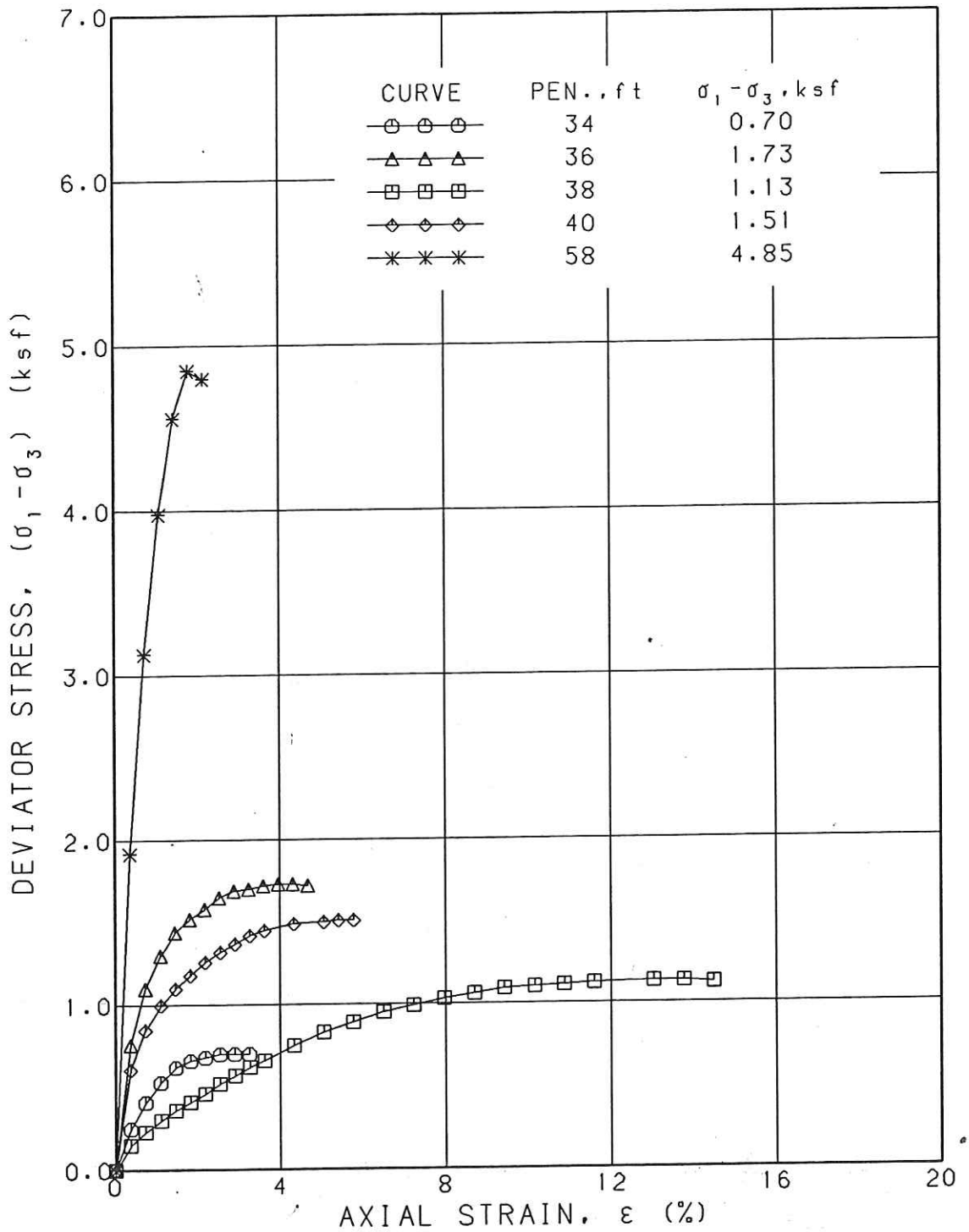
RESULTS OF ABBREVIATED SIEVE ANALYSES



STRESS-STRAIN CURVES
UNCOFINED COMPRESSION TEST
BORING 87-181

McCLELLAND ENGINEERS

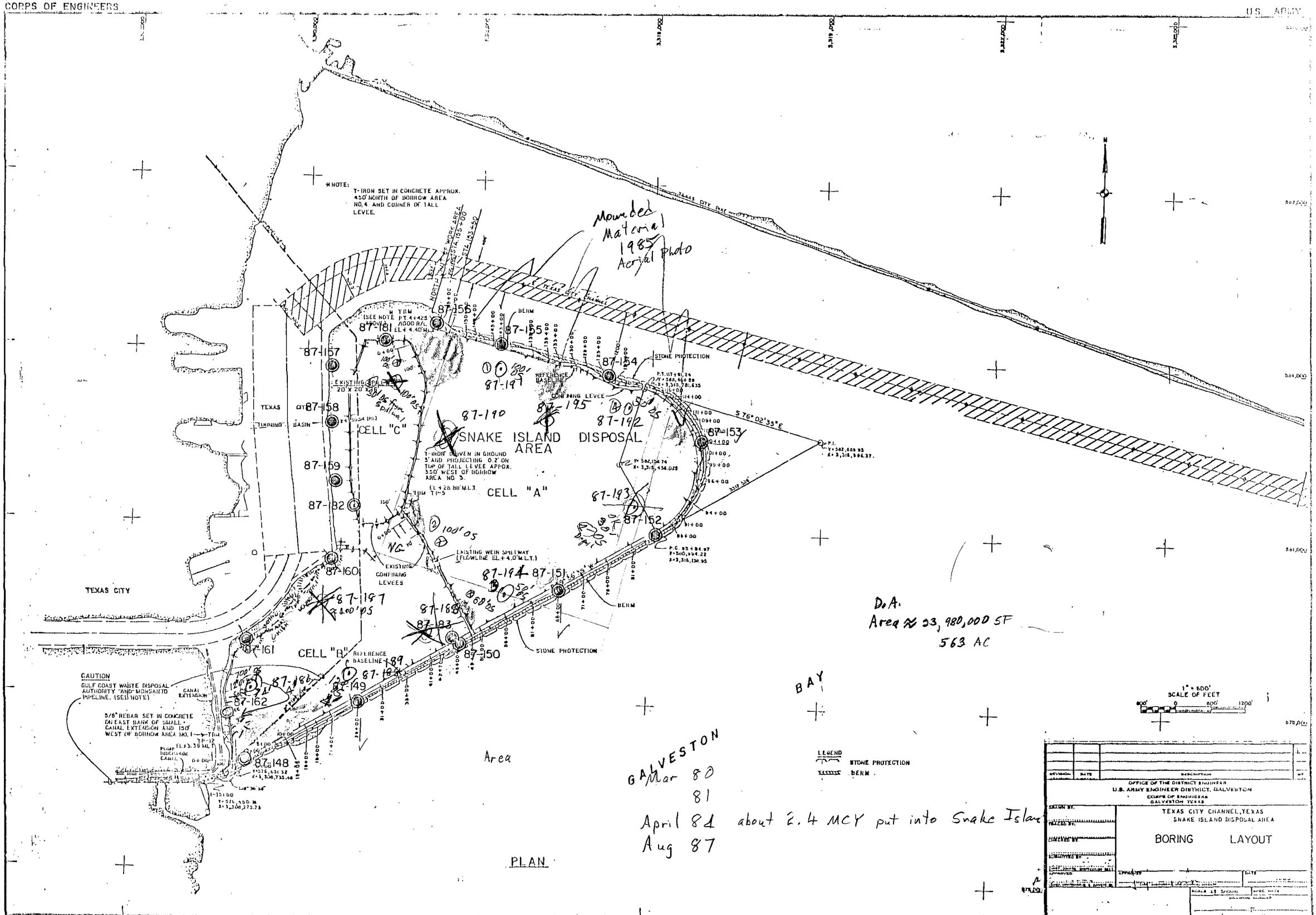
PLATE 59



STRESS-STRAIN CURVES
UNCOFINED COMPRESSION TEST
BORING 87-181

McCLELLAND ENGINEERS

PLATE 60

CORPS OF ENGINEERS

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