TRIAXIAL COMPRESSION TEST (LOADING DATA)

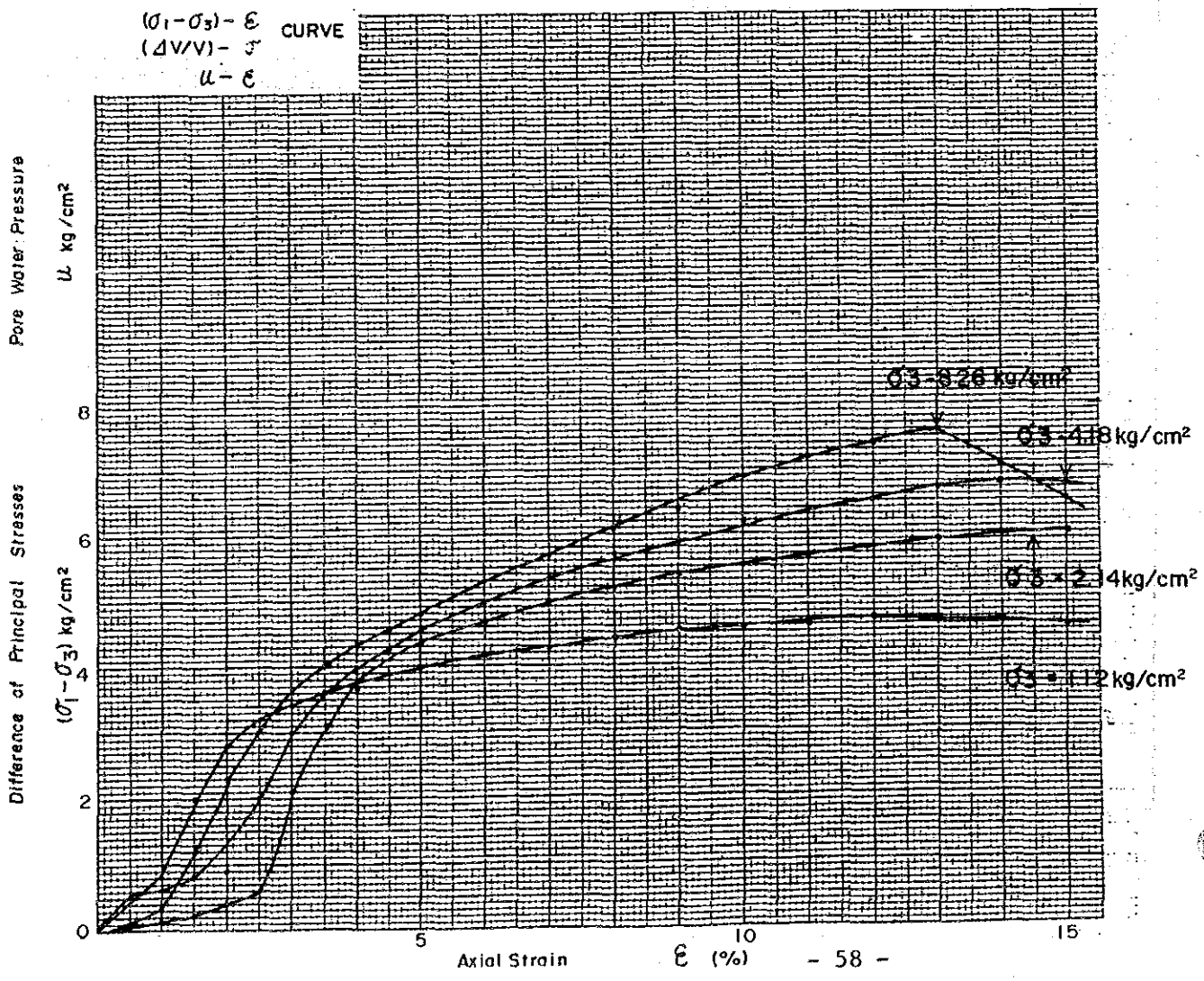
(UU) CU
CŪ CD

FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	9 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt (m ~ m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control Stress Control
Rate Compression 1.0 % /min
Proving Ring Capacity 306 kg

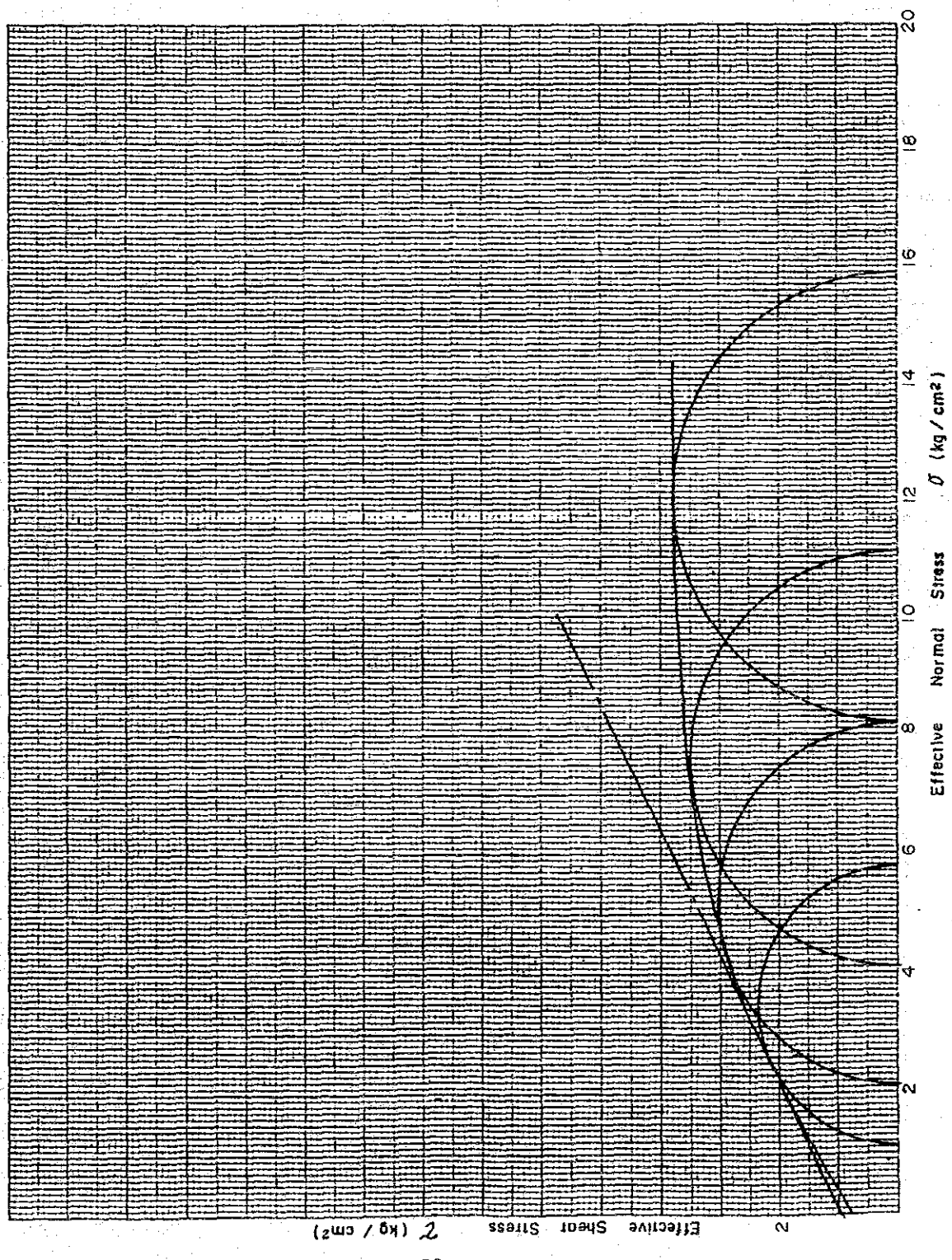
		Specimen Number	No. 1	No. 2	No. 3	No. 4	No.
		Consolidation Pressure (kg/cm²)	1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$	(kg/cm²)	4.680	6.013	6.819	7.600	
	ε_f	(%)	14.0	15.0	14.0	13.0	
	U_f	(kg/cm²)					
	A_f						
	e_f						
	εv_f	(%)					
	Elapsed Time to Failure	(min)	14	15	14	13	
	Modulus of Elasticity	E50(kg/cm²)	146	86	103	112	
	Room Temperature	(°C)	28.0	28.0	28.0	28.0	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	(UU) CU CŪ CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	9 - 10 - 85
SAMPLE NO. & DEPTH	SP-7 Wopt (m ~ m)	TESTED BY	SUHAIBUN

SCOPE			
	Normally Consolidated	Cu = 0.95 kg/cm², φu = 25.40	C' = kg/cm², φ' =
	Over-Consolidated	C = kg/cm², φ = ($\bar{\sigma}$ = 2 ~ 4 kg/cm²)	C' = kg/cm², φ' =



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

(UU) · CU
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FOR REPORTING

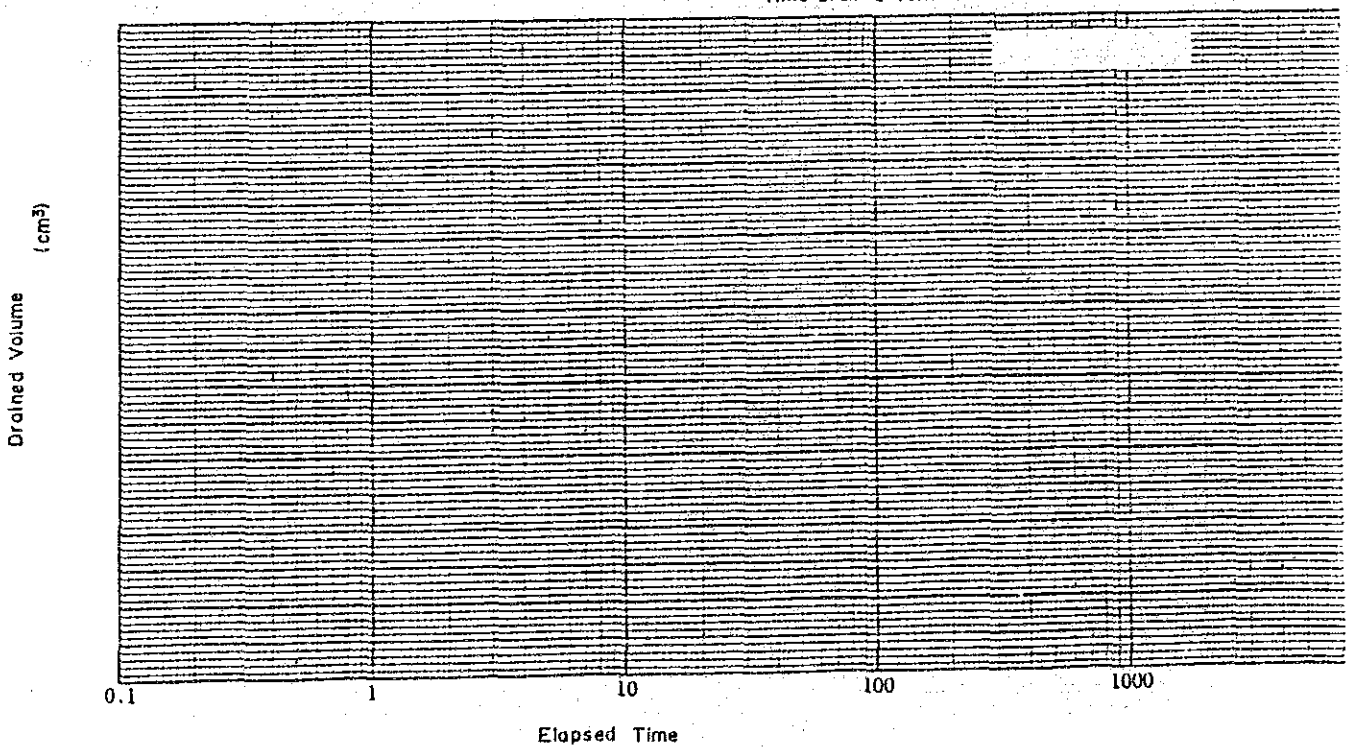
NAME OF PROJECT	TENOM PANGI PROJECT PHASE III	DATE	9 - 10 - 85
SAMPLE NO. & DEPTH	SP-7 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed (Disturbed)	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other( ) Compaction	Condition of Drainage During Consolidation	Single Drainage, Doubel Drainage, Paper Drain

Properties — Classification: CL Gs 2.85 w_L 48.9 % w_p 21.8 %

Specimen Number			No. 1	No. 2	No. 3	No. 4	No. Mean
Consolidation Pressure		(kg/cm²)	1.12	2.14	4.18	8.26	
Inital Conditions of Specimen	Height	H_o (cm)	8.0	8.0	8.0	8.0	
	Diameter	D (cm)	3.8	3.8	3.8	3.8	
	Volume	V_o (cm³)	91	91	91	91	
	Weight	W_o (g)	181.43	180.29	179.95	180.05	
	Wet Density	γ (g/cm³)	1.994	1.981	1.977	1.979	
	Water Content	w_o (%)	25.4	24.4	26.4	25.2	25.4
	Void Ratio	e_o	0.792	0.790	0.877	0.803	
	Degree of Saturation	Sr (%)	91.4	88.0	91.5	89.4	90.1
Consol. Data	Consolidation Time	Dri Density d (g/cm³)	1.590	1.592	1.564	1.581	1.582
	Drained Volume	ΔV (cm³)					
	Void Ratio After Consolidation	e					
	Room Temperature	(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

(UU) · CU
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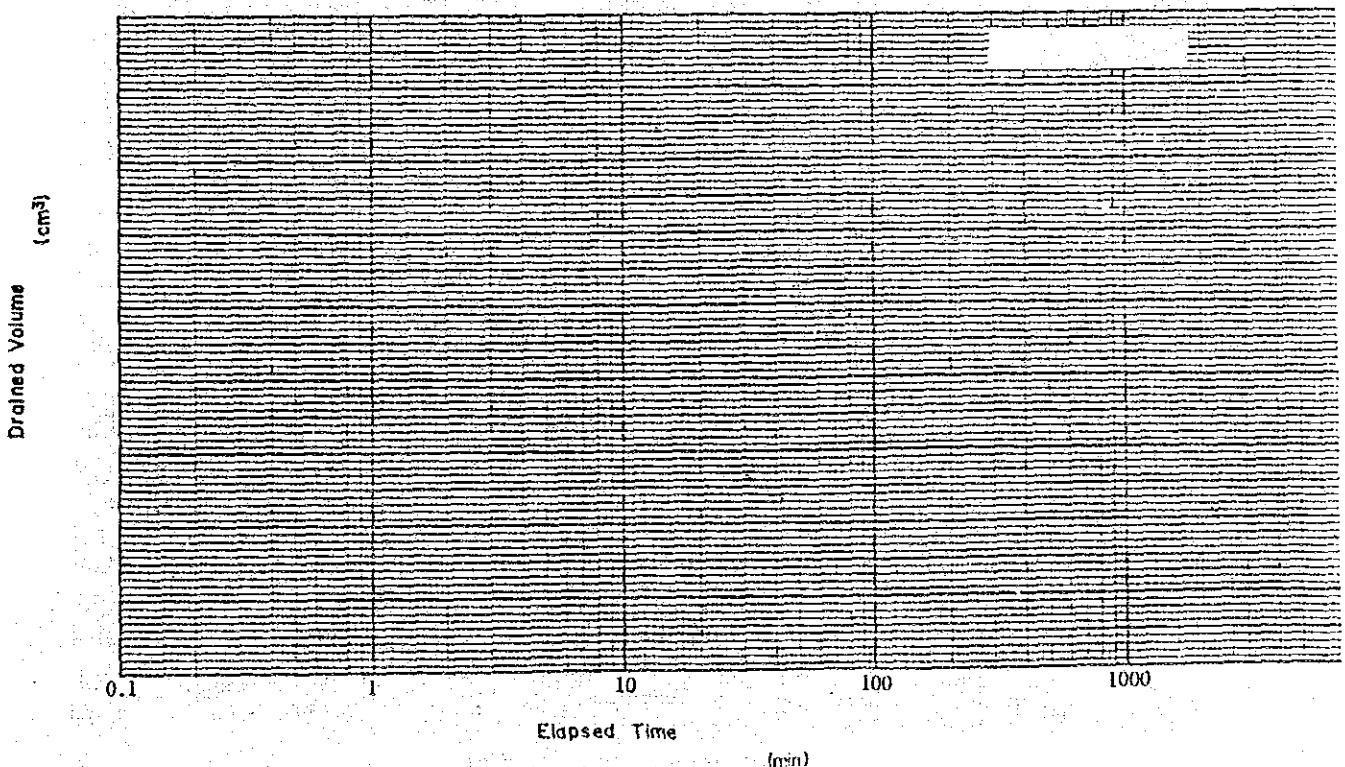
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE	DATE	7 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · (Disturbed) Wopt + 2%	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other( ) Compaction	Condition of Drainage During Consolidation	Single Drainage. Doubel Drainage. Paper Drain
Properties	Classification CL Gs 2.85 w_L 48.9 % w_p 21.8 %		

Specimen Number				No. 1	No. 2	No. 3	No. 4	No. Mean
Consolidation Pressure			(kg/cm²)	1.12	2.14	4.18	8.26	
Initial Conditions of Specimen	Height	H_o	(cm)	8.0	8.0	8.0	8.0	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm³)	91	91	91	91	
	Weight	W_o	(g)	179.4	183.0	182.3	183.8	
	Wet Density	γ	(g/cm³)	1.971	2.010	2.003	2.019	
	Water Content	w_o	(%)	27.3	27.9	26.7	27.2	27.3
	Void Ratio	e_o		0.840	0.812	0.803	0.795	
	Degree of Saturation	Sr	(%)	92.6	97.9	94.8	97.5	95.7
Consol. Data	Consolidation Time / Dry Density	γ_d	(g/cm³)	1.549	1.572	1.581	1.588	1.572
	Drained Volume	ΔV	(cm³)					
	Void Ratio After Consolidation	e						
	Room Temperature		(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

(UU) CU
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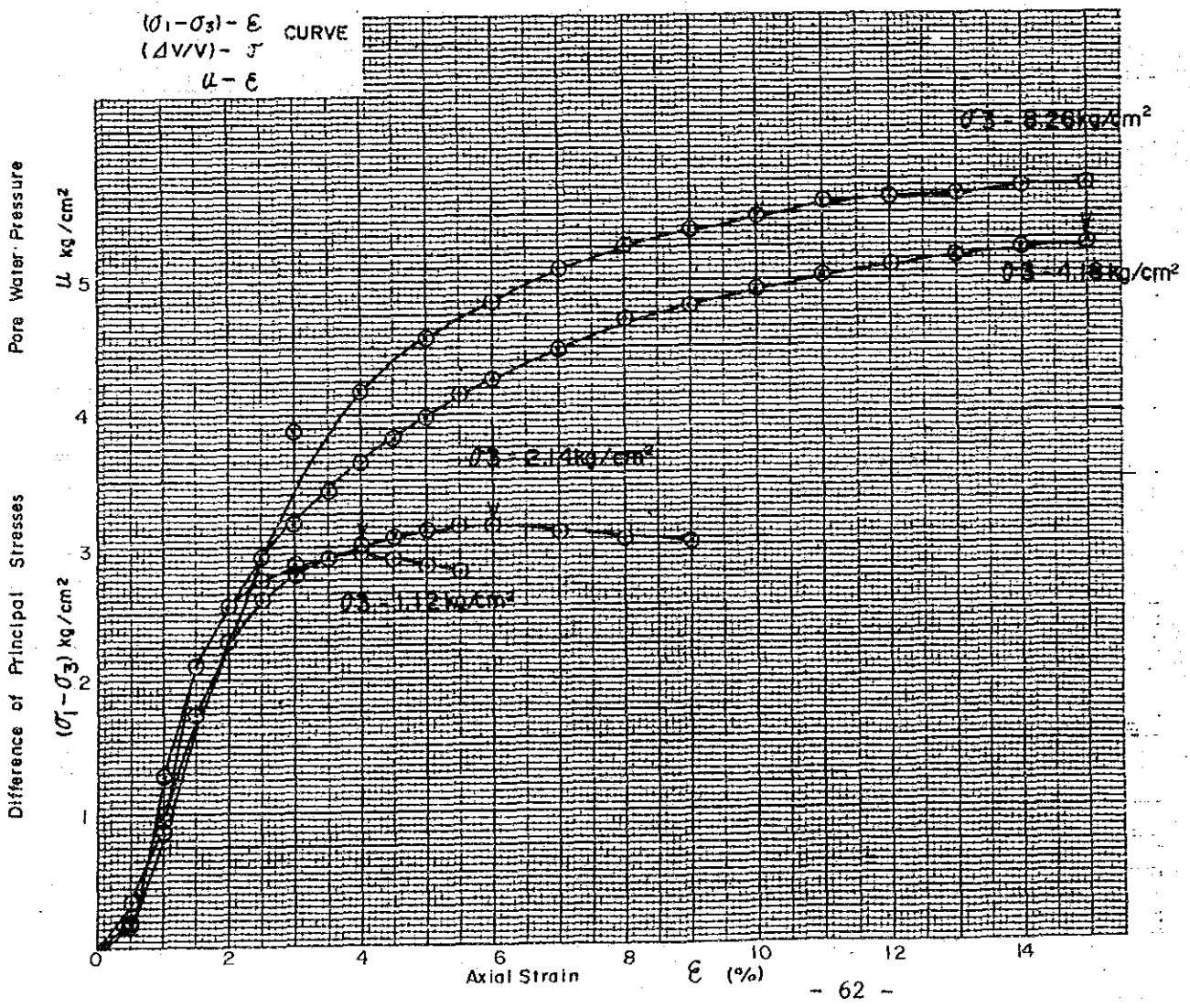
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	7 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Loading Method: (Strain Control) Stress Control
Rate Compression: 1.0 % /min
Proving Ring Capacity: 306 kg

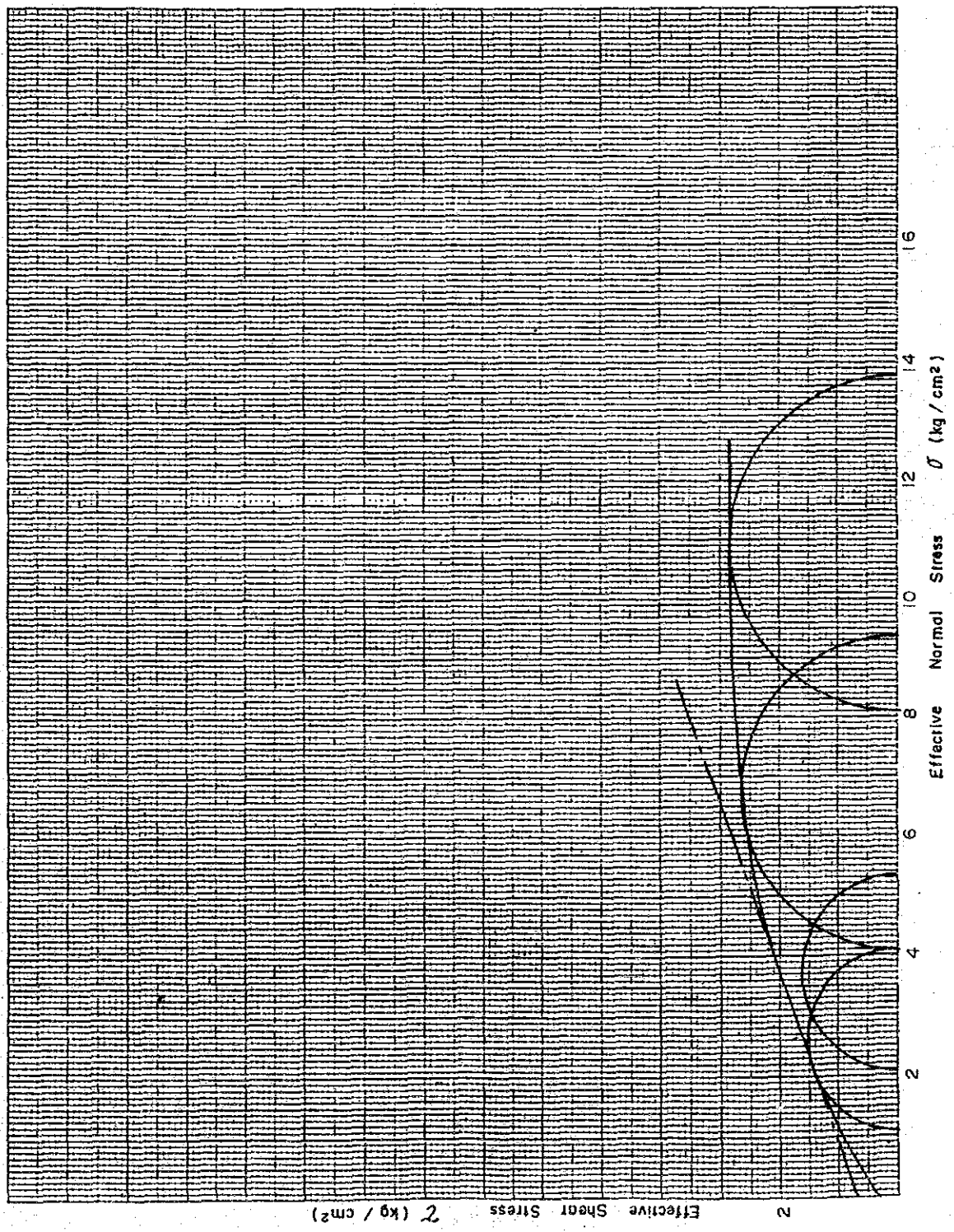
	Specimen Number	No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure (kg/cm²)	1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	2.95	3.16	5.26	5.62	
	ε_f (%)	4.0	6.0	15.0	14.0	
	U_f (kg/cm²)					
	A_f					
	e_f					
	εv_f (%)					
	Elapsed Time to Failure (min)	4.0	6.0	15.0	14.0	
	Modulus of Elasticity E50(kg/cm²)	134	112	131	117	
	Room Temperature (°C)	28	28	28	28	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	(UU) CU CŪ CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	7 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

SCOPE			
	Normally Consolidated	Cu = 0.7 kg/cm², φu = 19.29	C' = kg/cm², φ' =
	Over-Consolidated	C = kg/cm², φ = (σ = 2 ~ 4 kg/cm²)	C' = kg/cm², φ' =



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

(UU) · CU
CŪ · CD

FOR REPORTING

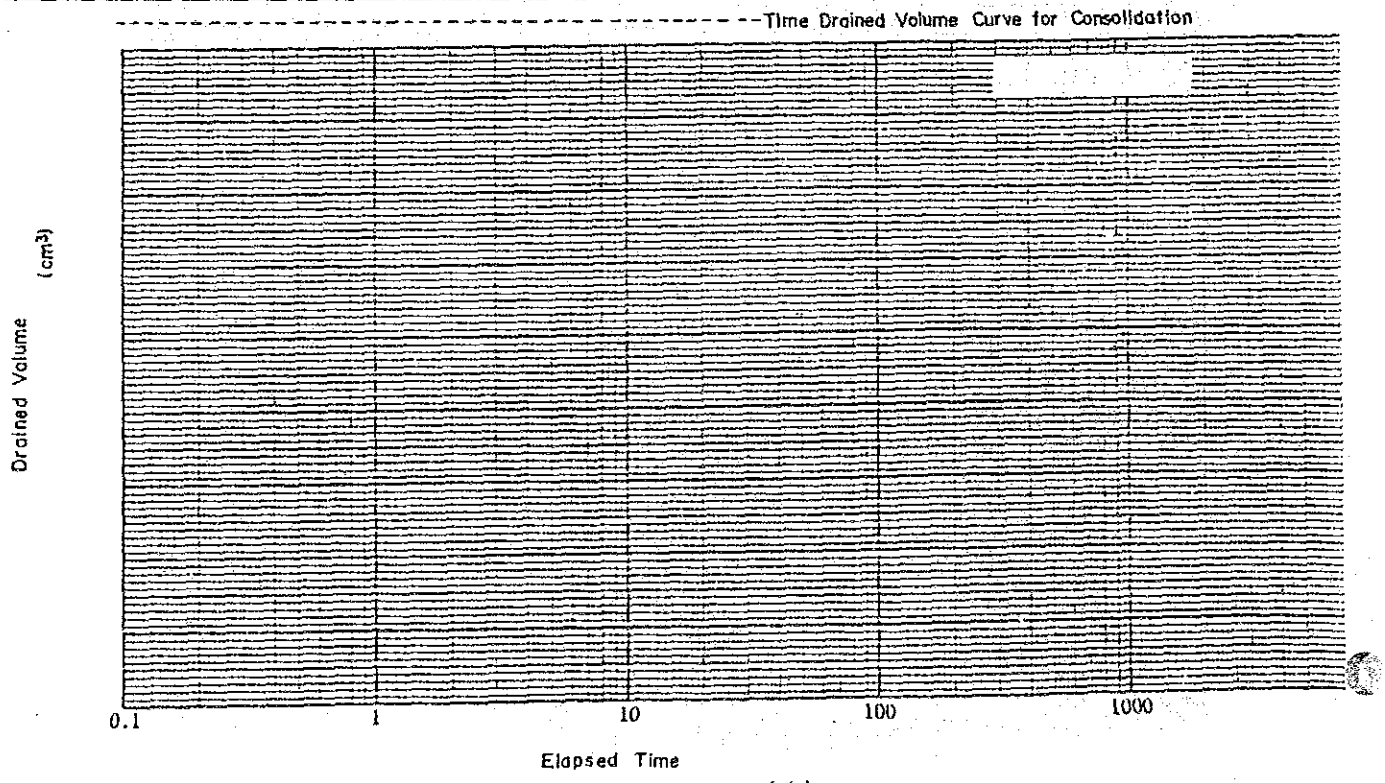
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	14 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other( ) Remoukled	Condition of Drainage During Consolidation	Single Drainage. Doubel Drainage. Paper Drain

Properties — Classification CL Gs 2.84 w_L 56.4 % w_p 22.0 %

Specimen Number			No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure		(kg/cm²)	1.12	2.14	4.18	8.26	
Inital Conditions of Specimen	Height	H_o (cm)	8.0	8.0	8.0	8.0	
	Diameter	D (cm)	3.8	3.8	3.8	3.8	
	Volume	V_o (cm³)	91	91	91	91	
	Weight	W_o (g)	187.75	185.03	185.57	187.81	
	Wet Density	γ (g/cm³)	2.063	2.033	2.039	2.064	
	Water Content	w_o (%)	20.2	19.0	21.0	20.3	20.1
	Void Ratio	e_o	0.655	0.664	0.681	0.655	
	Degree of Saturation	Sr (%)	88	81	88	88	
Consol. Data	Consolidation Time	Dry Density γ_d (g/cm³)	1.716	1.712	1.689	1.716	
	Drained Volume	ΔV (cm³)					
	Void Ratio After Consolidation	e					
	Room Temperature	(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

(UU) CU
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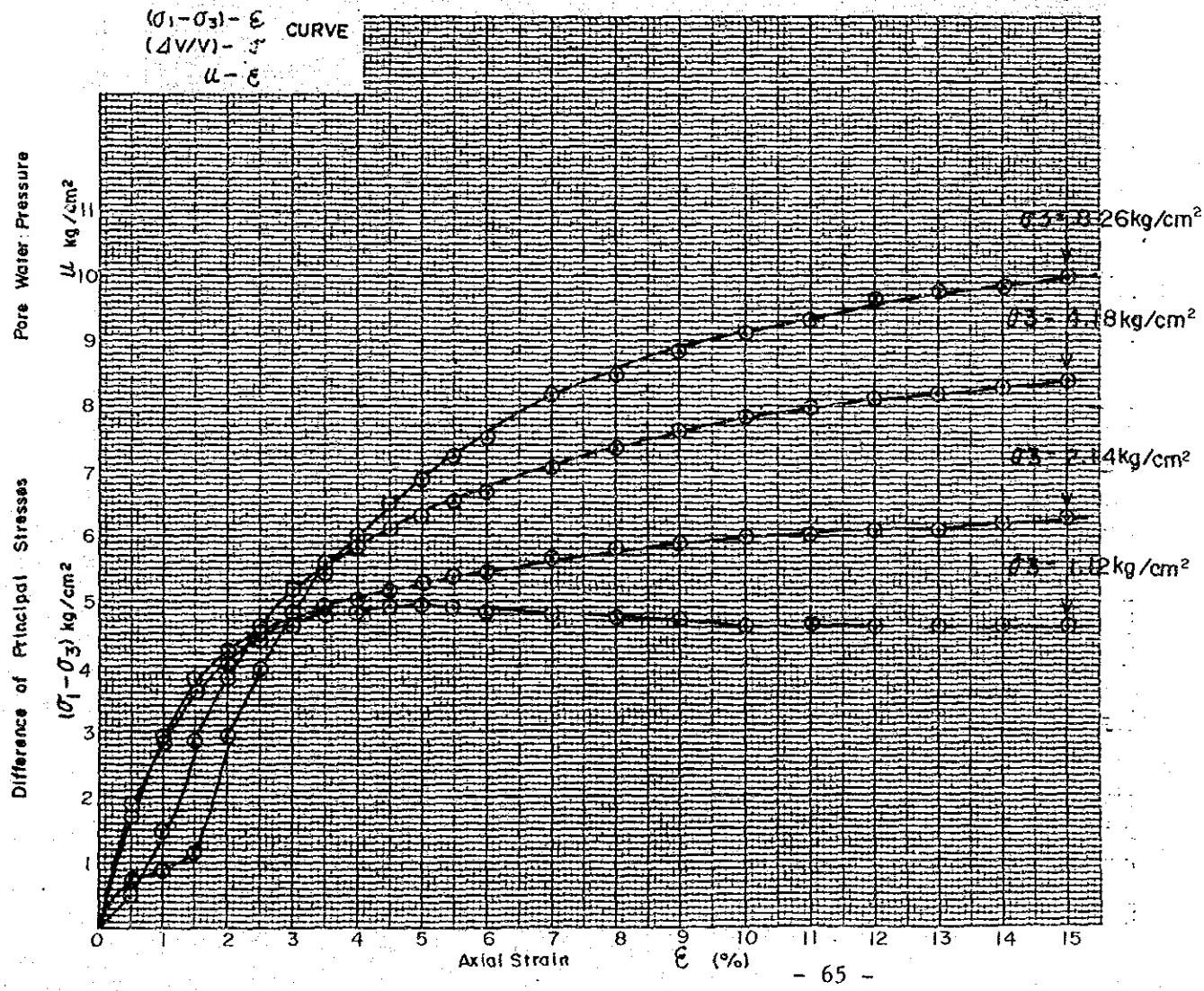
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE II	DATE	14 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control / Stress Control
Rate Compression _____ /min
Proving Ring Capacity _____

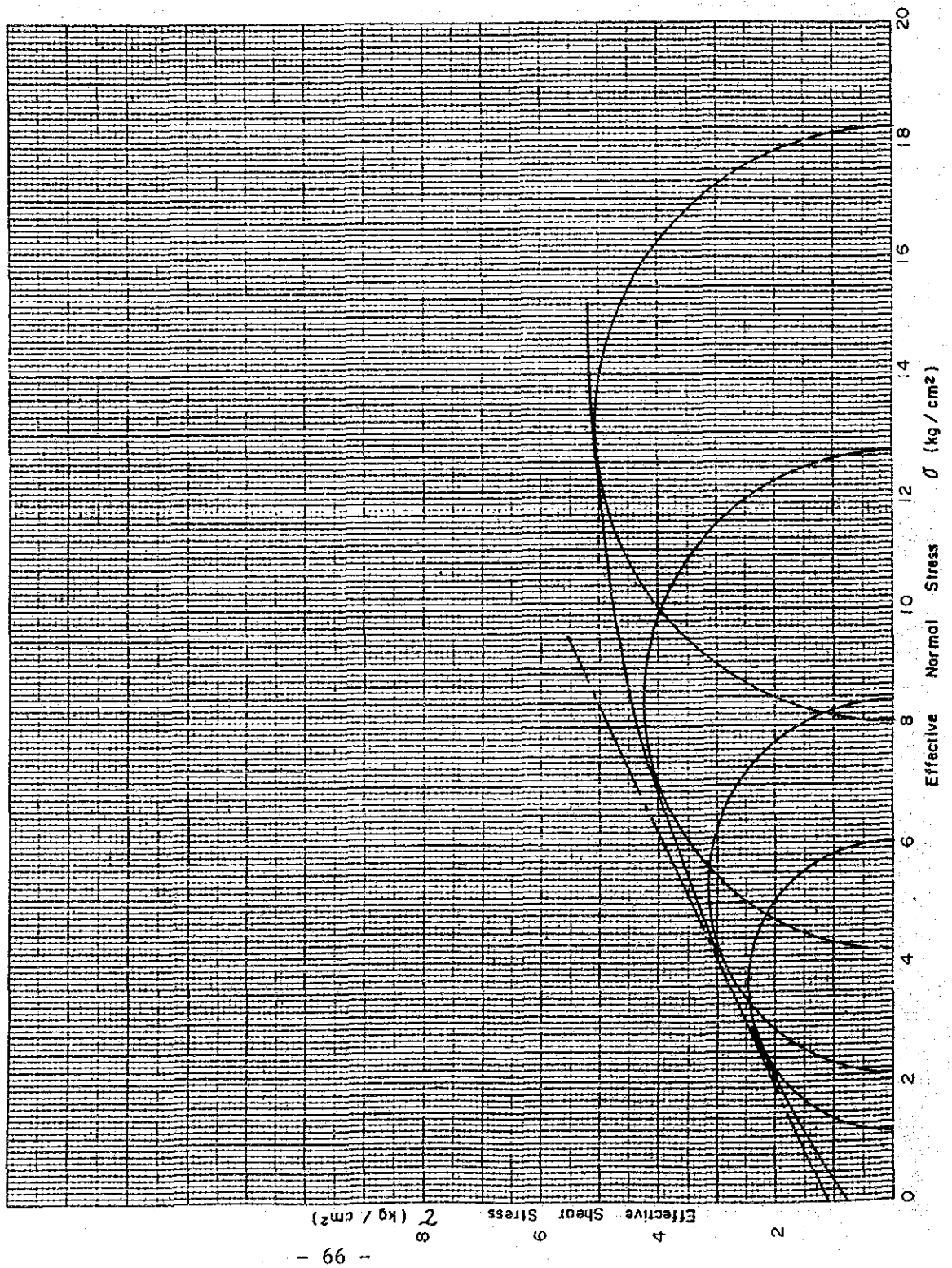
	Specimen Number	No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure (kg/cm²)	1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	4.923	6.233	8.396	10.053	
	ε_f (%)	5.0	15.0	15.0	15.0	
	U_f (kg/cm²)					
	A_f					
	e_f					
	εv_f (%)					
	Elapsed Time to Failure (min)	5	15	15	15	
	Modulus of Elasticity E50 (kg/cm²)	280	356	160.7	158.8	
	Room Temperature (°C)	28	28	28	28	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	(UU) CU CŪ CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	14 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0 m ~ 5.0m)	TESTED BY	SUHAIBUN

SCOPE			
Normally Consolidated	Cu = 1.05 kg/cm². φu = 25.40°	C' =	kg/cm². φ'=
Over-Consolidated	C = kg/cm². φ =	C' =	kg/cm². φ'=



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

(UU) · CU
CŪ · CD

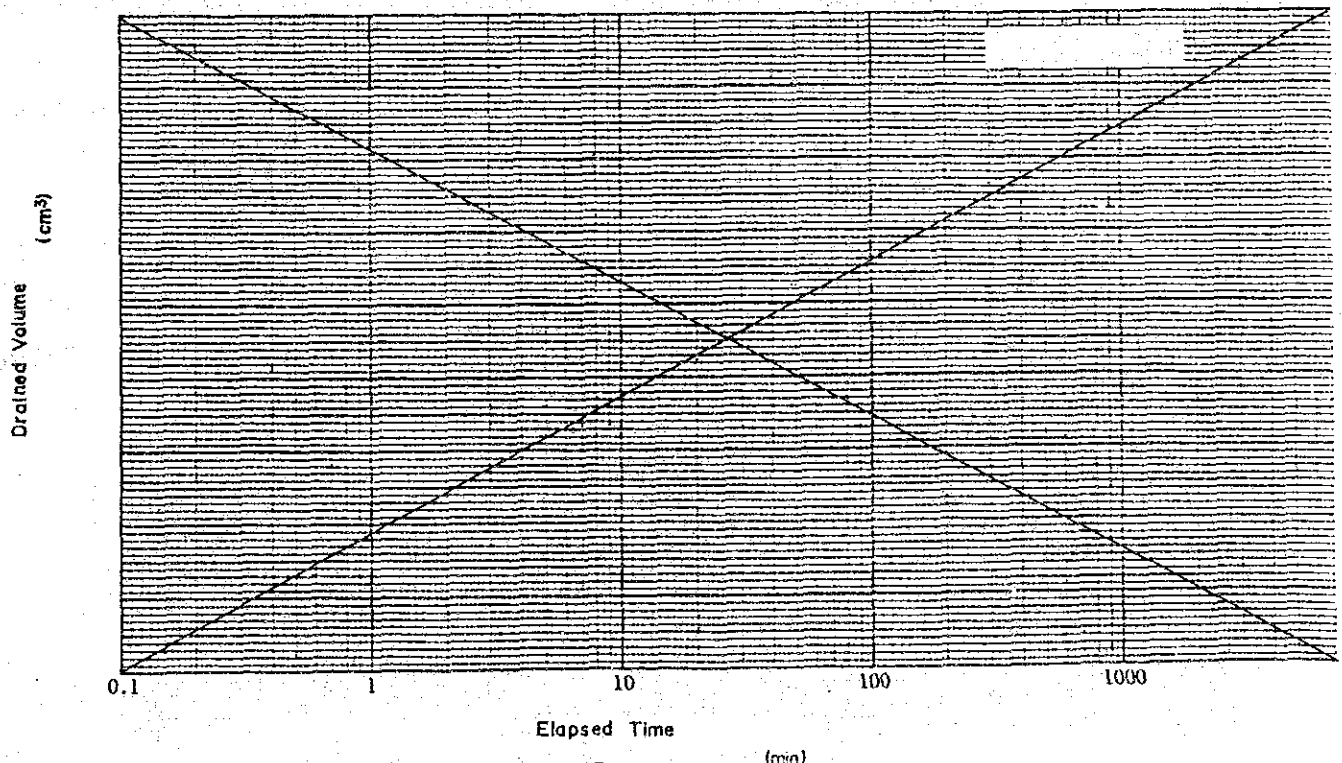
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	18 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British . Type ELE Product
Shaped With	Trimmer · Other ( ) Rermoulded	Condition of Drainage During Consolidation	Single Drainage. Doubel Drainage. Paper Drain
Properties	Classification CL Gs 2.84 w_L 56.4 % w_P 22.0 %		

	Specimen Number			No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure		(kg/cm²)	1.12	2.14	4.18	8.26	
Inital Conditions of Specimen	Height	H_o	(cm)	8.0	8.0	8.0	8.0	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm³)	91	91	91	91	
	Weight	W_o	(g)	184.91	184.20	185.30	183.11	
	Wet Density	γ	(g/cm³)	2.032	2.024	2.036	2.012	
	Water Content	w_o	(%)	22.86	22.11	23.36	21.02	22.34
	Void Ratio	e_o		0.717	0.713	0.720	0.708	
	Degree of Saturation	Sr	(%)	91	88	92	84	
Consol. Data	Consolidation Time Dry Density	γ_d	(g/cm³)	1.654	1.658	1.651	1.663	
	Drained Volume	ΔV	(cm³)					
	Void Ratio After Consolidation	e						
	Room Temperature		(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

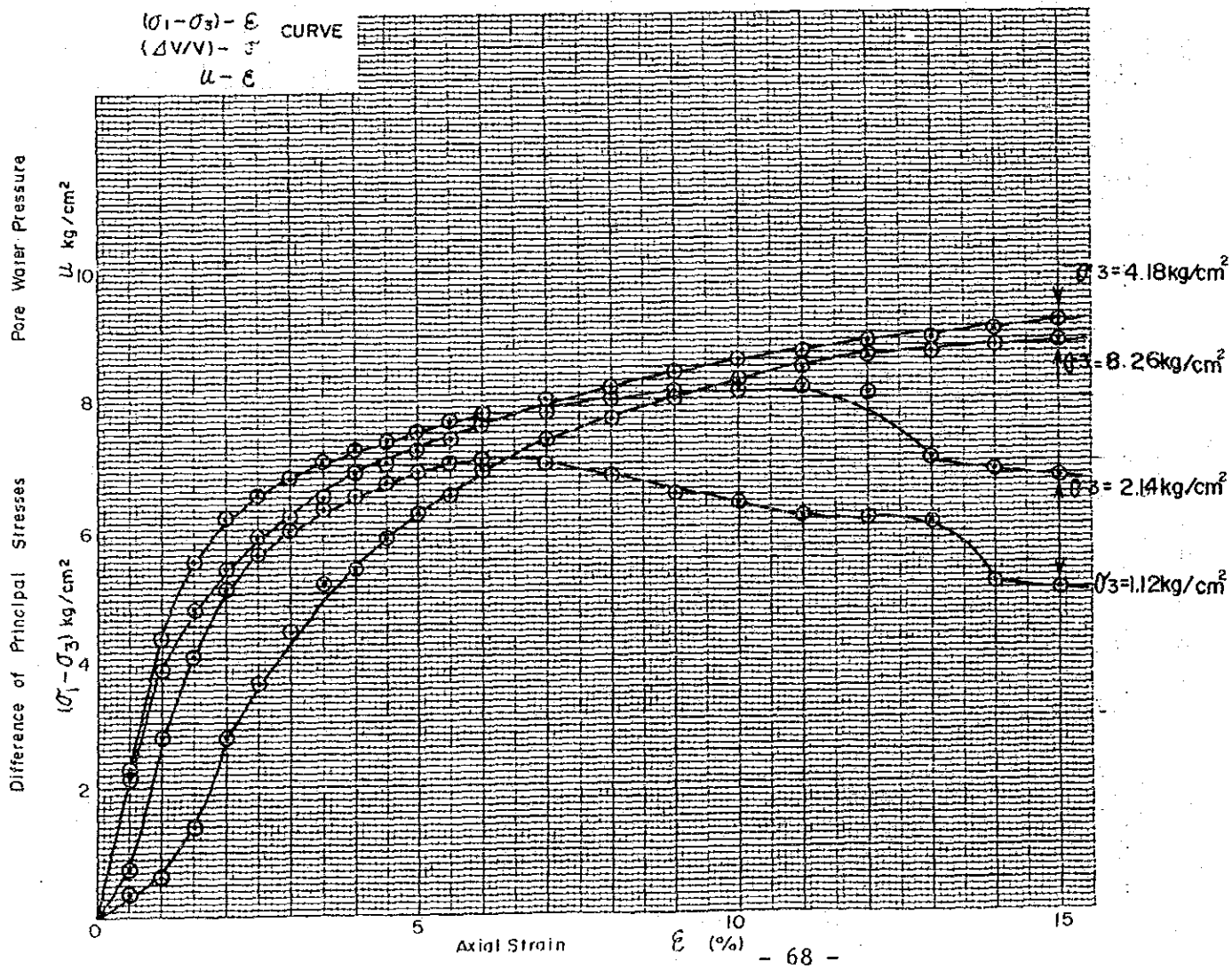
(UU) CU
CŪ CD

FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	18 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt + 2 % (2.0m ~ 5.0m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control Stress Control
Rate Compression _____ /min
Proving Ring Capacity _____

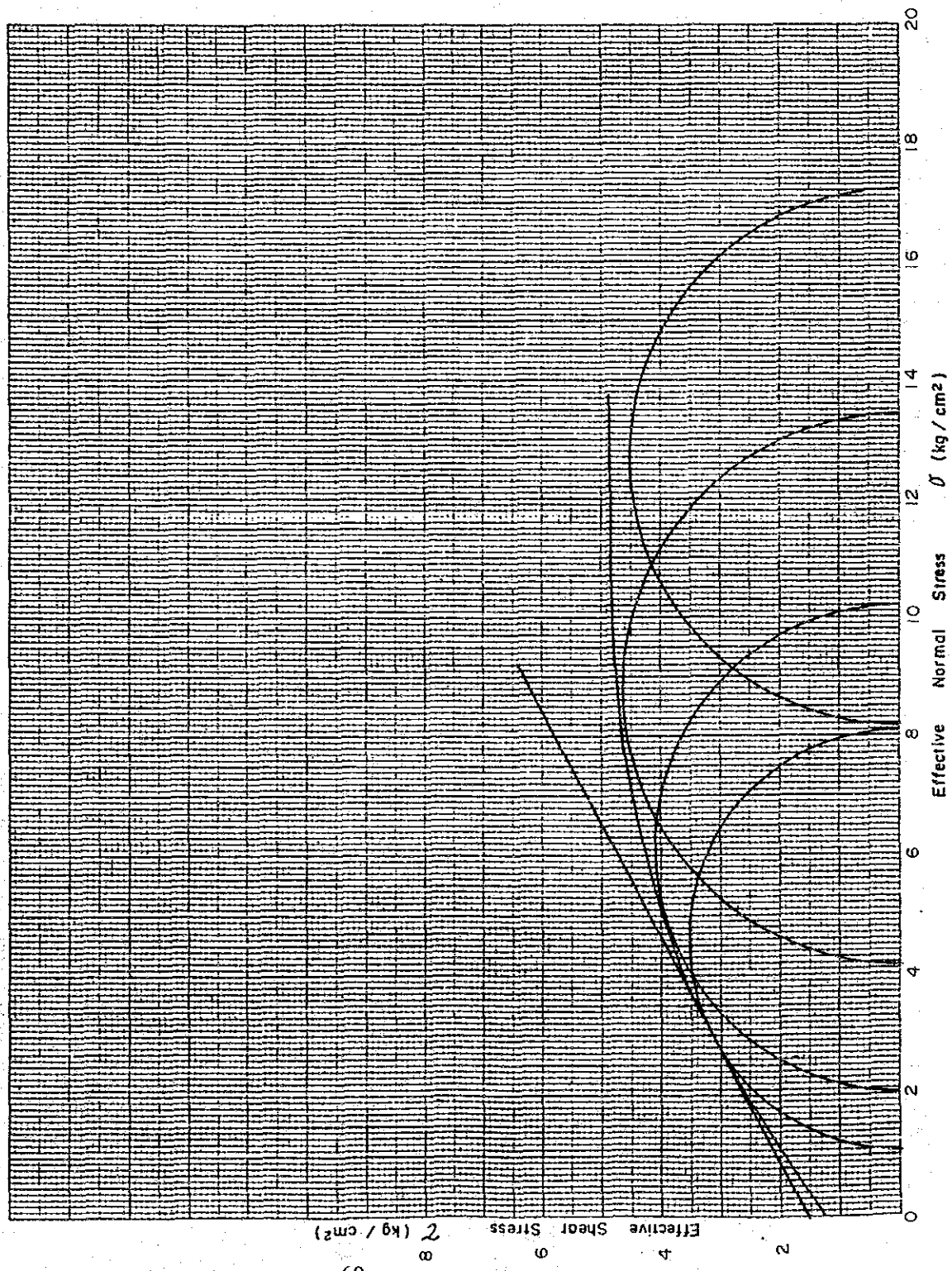
Specimen Number		No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure (kg/cm²)		1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	6.972	8.148	9.153	8.896	
	ε_f (%)	6.0	11.0	15.0	15.0	
	U_f (kg/cm²)					
	A_f					
	e_f					
	εv_f (%)					
	Elapsed Time to Failure (min)	6.0	11.0	15.0	15.0	
Modulus of Elasticity E50(kg/cm²)		14.0	356	418	153	
Room Temperature (°C)		28	28	28	28	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	(UU) CU CŪ CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	18 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

SCOPE					
	Normally Consolidated	Cu = 1.55	kg/cm². φu = 26.57	C' =	kg/cm². φ'=
	Over-Consolidated	C =	kg/cm². φ =	C' =	kg/cm². φ'=



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

UU · CU
(CU) · CD

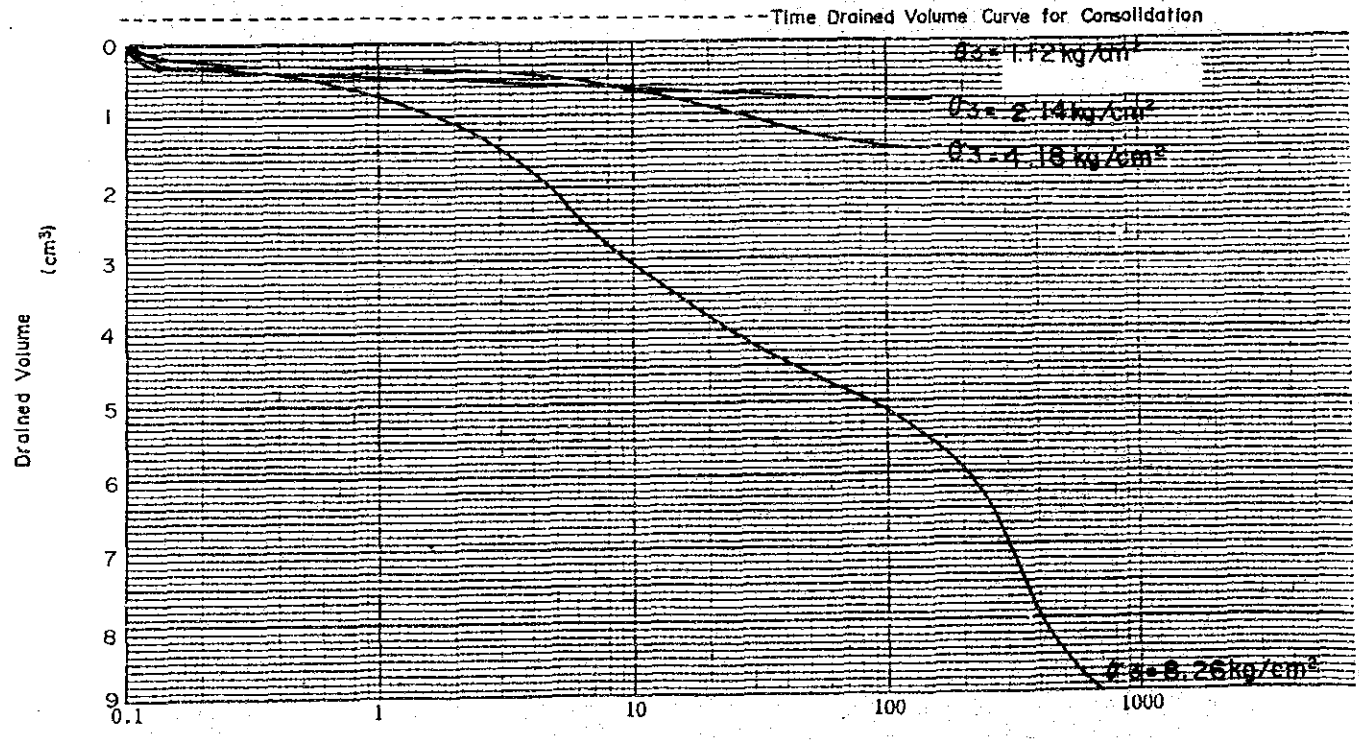
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT , PHASE III	DATE	24 - 10 - 85
SAMPLE NO. & DEPTH	SP-7 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other( ) Remoulded	Condition of Drainage During Consolidation	Single Drainage, Doubel Drainage, Paper Drain
Properties	Classification _____ Gs 2.85 ω_L _____ % ω_P _____ %		

	Specimen Number			No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure		(kg/cm²)	1.12	2.14	4.18	8.26	
Inital Conditions of Specimen	Height	H_o	(cm)	8	8	8	8	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm³)	91	91	91	91	
	Weight	W_o	(g)	184.20	179.13	175.59	180.75	
	Wet Density	γ	(g/cm³)	2.024	1.968	1.929	1.986	1.976
	Water Content	ω_o	(%)	25.90	26.10	28.30	29.90	27.55
	Void Ratio	e_o		0.772	0.824	0.894	0.865	
	Degree of Saturation	Sr	(%)	95.6	90.1	90.1	99	
Consol. Data	Consolidation Time	Dry Density δd	(g/cm³)	1.608	1.562	1.504	1.528	1.550
	Drained Volume	ΔV	(cm³)					
	Void Ratio After Consolidation	e						
	Room Temperature		(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

UU CU (CU) CD

FOR REPORTING

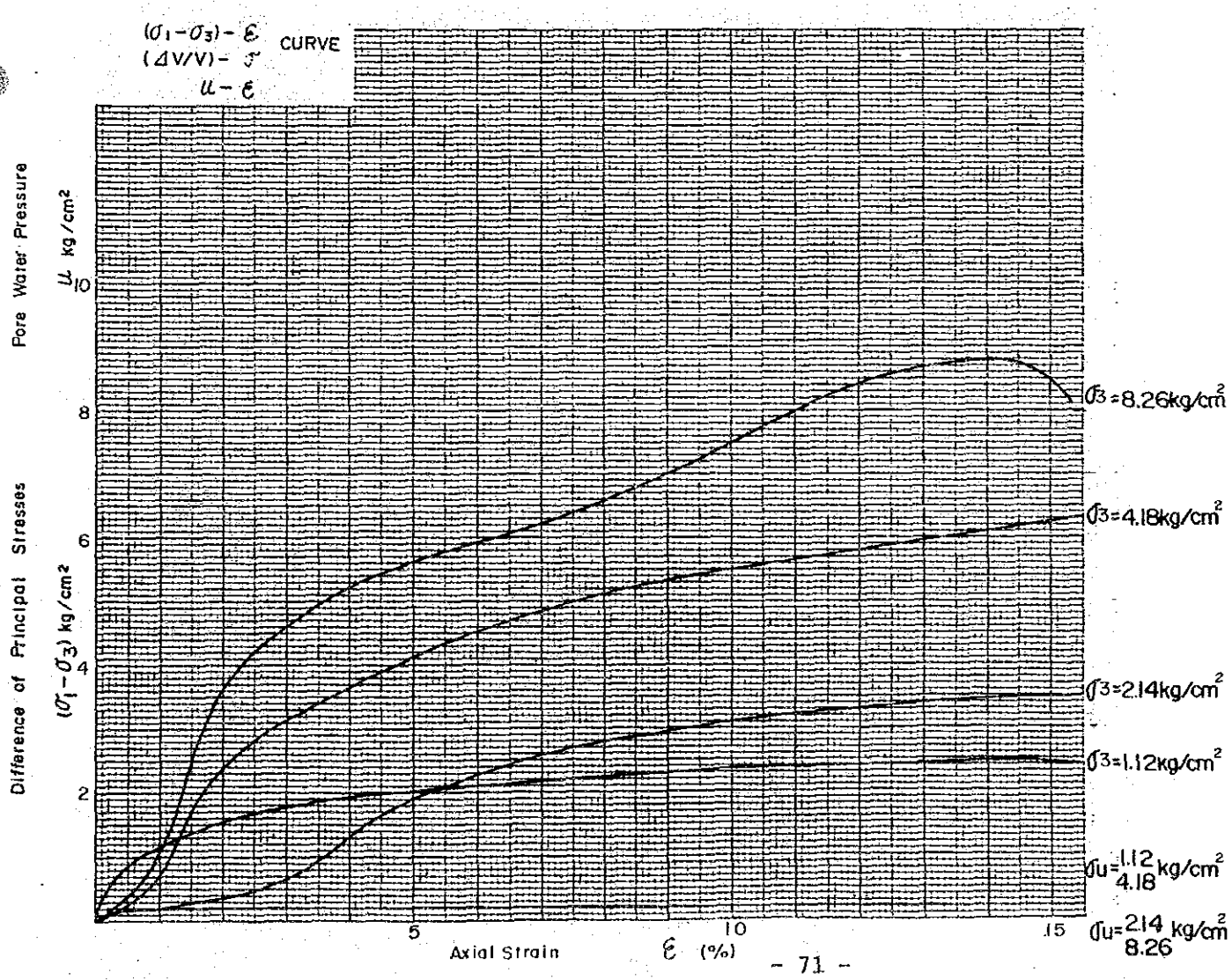
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	23-10-85
SAMPLE NO. & DEPTH	SP-7 Wopt (2.0m ~ 5.0 m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control / Stress Control

Rate Compression _____ /min

Proving Ring Capacity _____

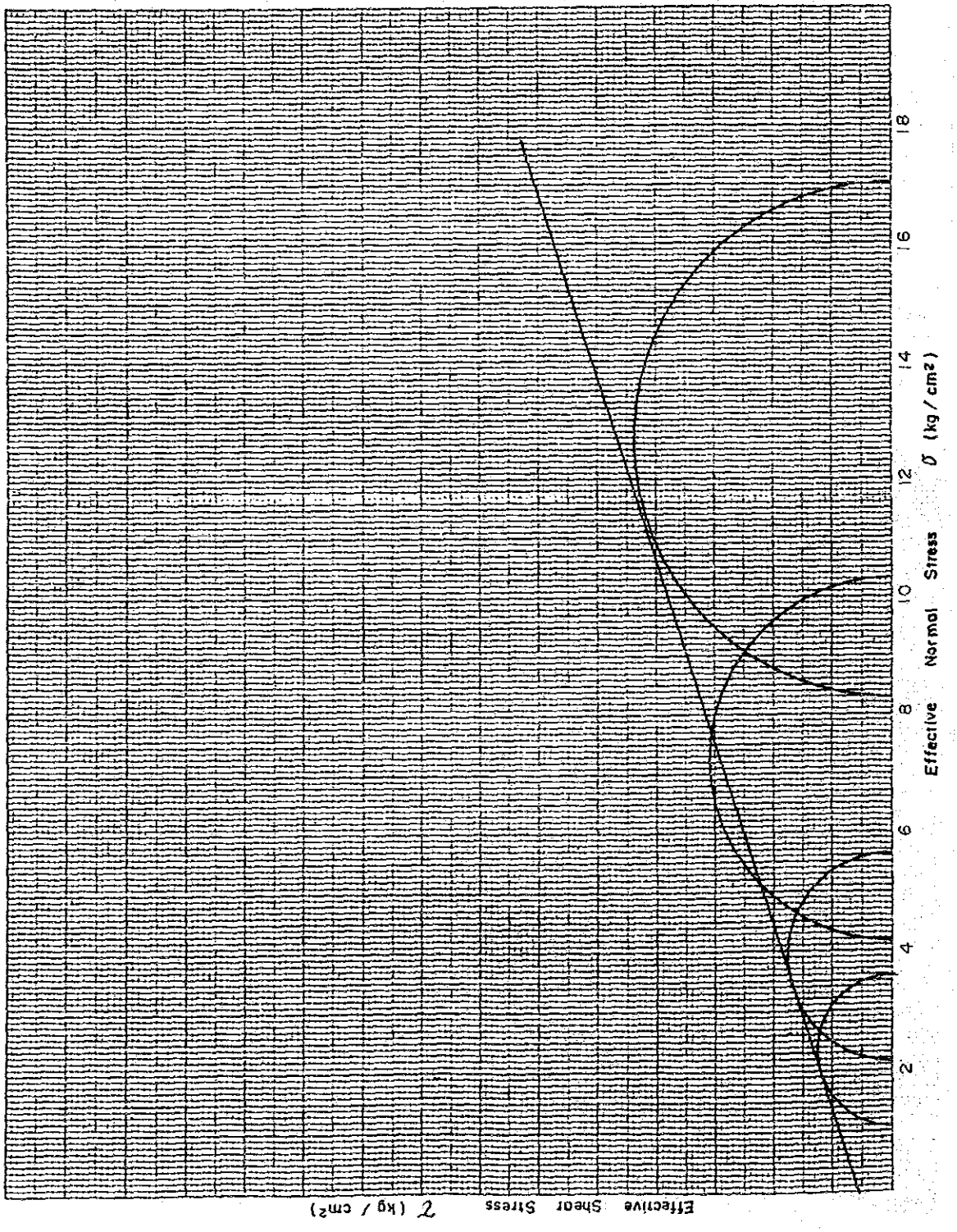
Specimen Number		No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure	(kg/cm²)	1.12	2.14	4.18	8.26	
At Peak: $(\sigma_1 - \sigma_3)_f$	(kg/cm²)	2.427	3.552	6.140	8.763	
At Peak: ε_f	(%)	15.0	15.0	15.0	13.0	
At Peak: U_f	(kg/cm²)	0.002	0	0.02	0	
At Peak: A_f						
At Peak: e_f						
At Peak: εv_f	(%)					
Elapsed Time to Failure	(min)	15	15	15	13	
Modulus of Elasticity	E50(kg/cm²)	186	31	161	165.2	
Room Temperature	(°C)					



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	UU CU (CU) CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	24 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt (2.0m ~ 5.0m)	TESTED BY	SUHAIBUN

SCOPE			
	Normally Consolidated	Cu = kg/cm², φu =	C' = 0.567 kg/cm², φ' = 17.69
	Over-Consolidated	C = kg/cm², φ =	C' = kg/cm², φ' =



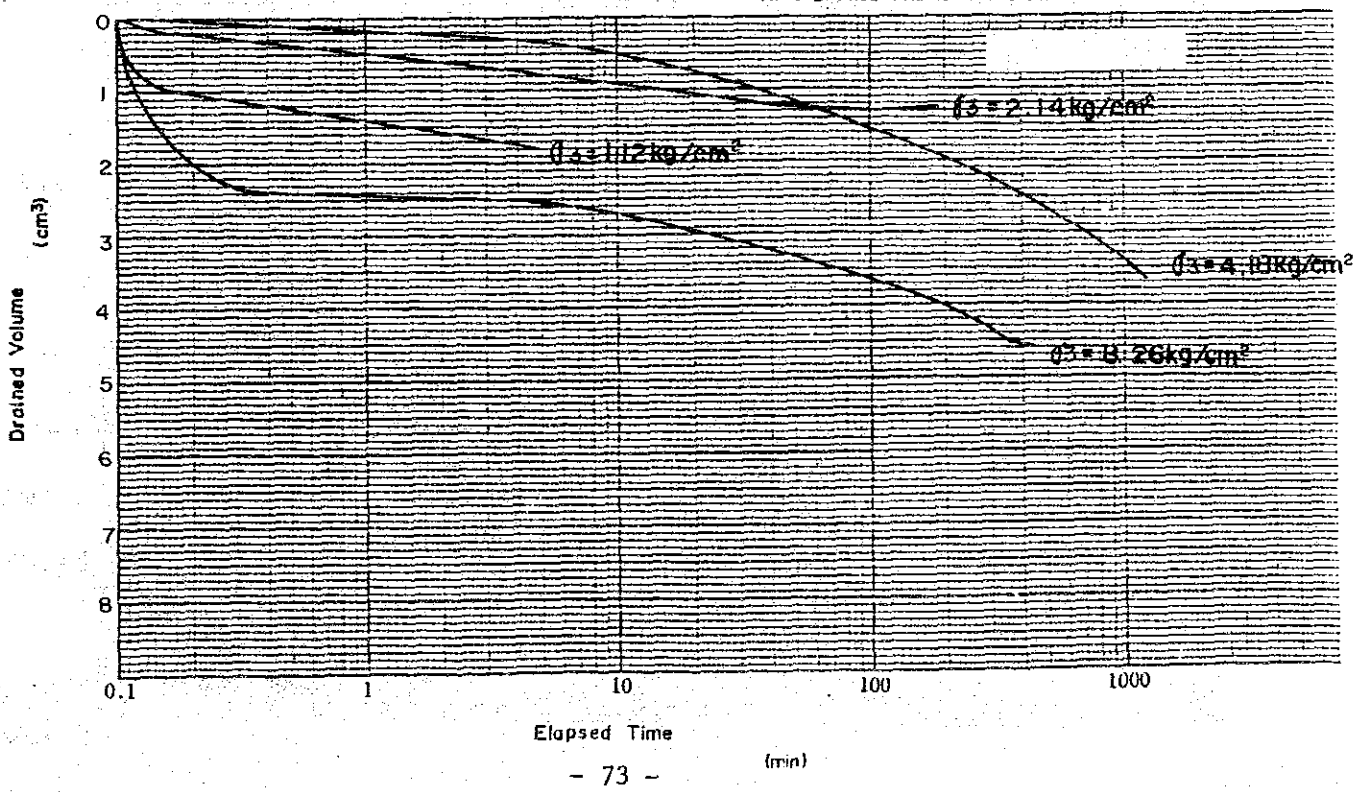
TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)	UU · CU (CU) · CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	18 - 10 - 85
SAMPLE NO. & DEPTH	SP-7 Wopt + 2 % (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other ( ) Remoulded	Condition of Drainage During Consolidation	Single Drainage, Doubel Drainage, Paper Drain
Properties	Classification CL Gs 2.85 w_L 48.9 % w_p 21.90 %		

	Specimen Number			No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure		(kg/cm^2)	1.12	2.14	4.18	8.26	
Inital Conditions of Specimen	Height	H_o	(cm)	8	8	8	8	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm^3)	91	91	91	91	
	Weight	W_o	(g)	186.30	185.00	186.20	186.10	
	Wet Density	γ	(g/cm^3)	2.019	2.033	2.046	2.045	
	Water Content	w_o	(%)	27.5	27.9	28.3	27.8	27.9
	Void Ratio	e_o		0.774	0.792	0.788	0.781	
	Degree of Saturation	Sr	(%)	100	100	100	100	
Consol. Data	Consolidation Time Dry Density	d	(g/cm^3)	1.606	1.590	1.594	1.600	1.598
	Drained Volume	ΔV	(cm^3)					
	Void Ratio After Consolidation	e						
	Room Temperature		(℃)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

UU CU (CU) CD

FOR REPORTING

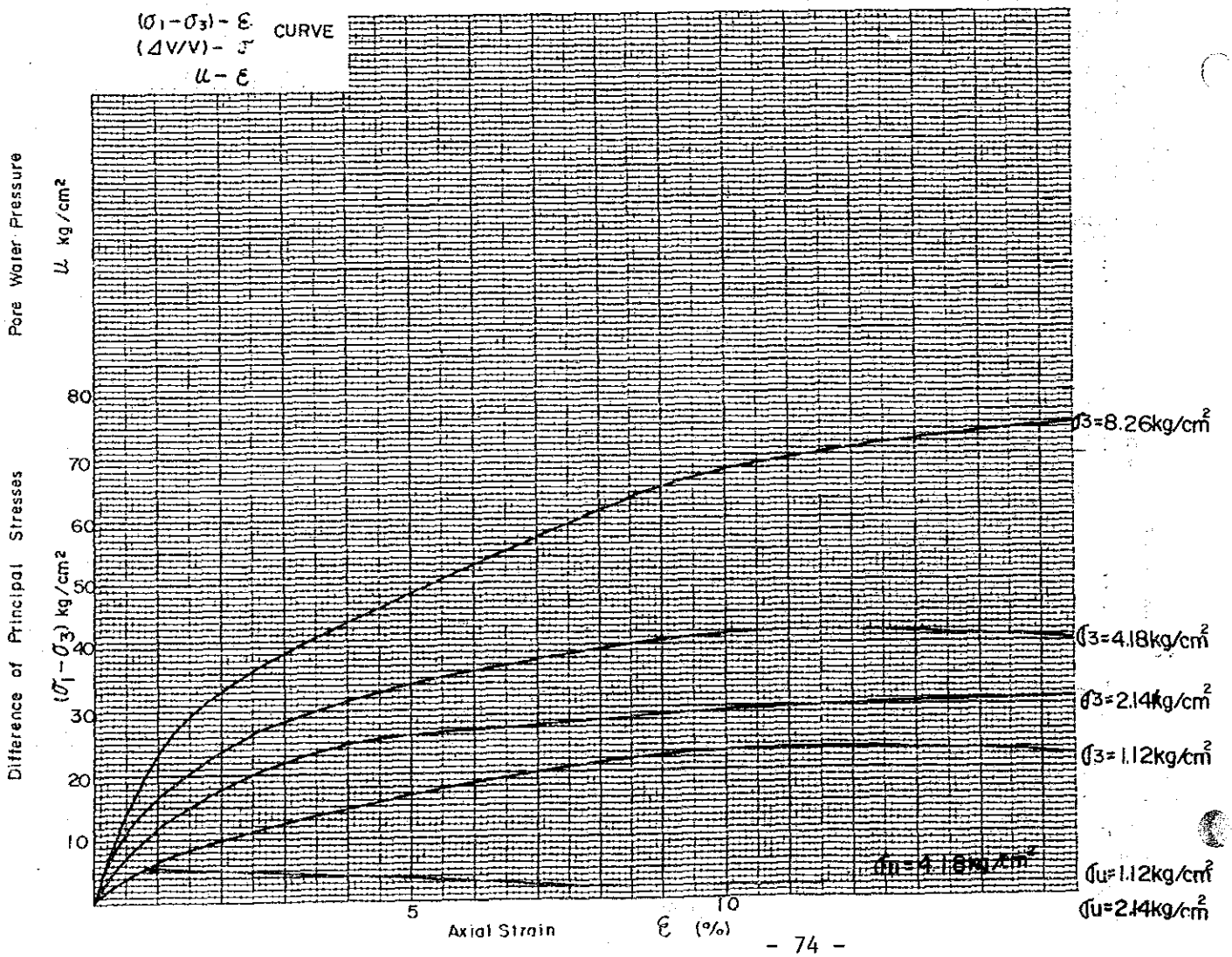
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	18 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control Stress Control

Rate Compression 0.1 /min

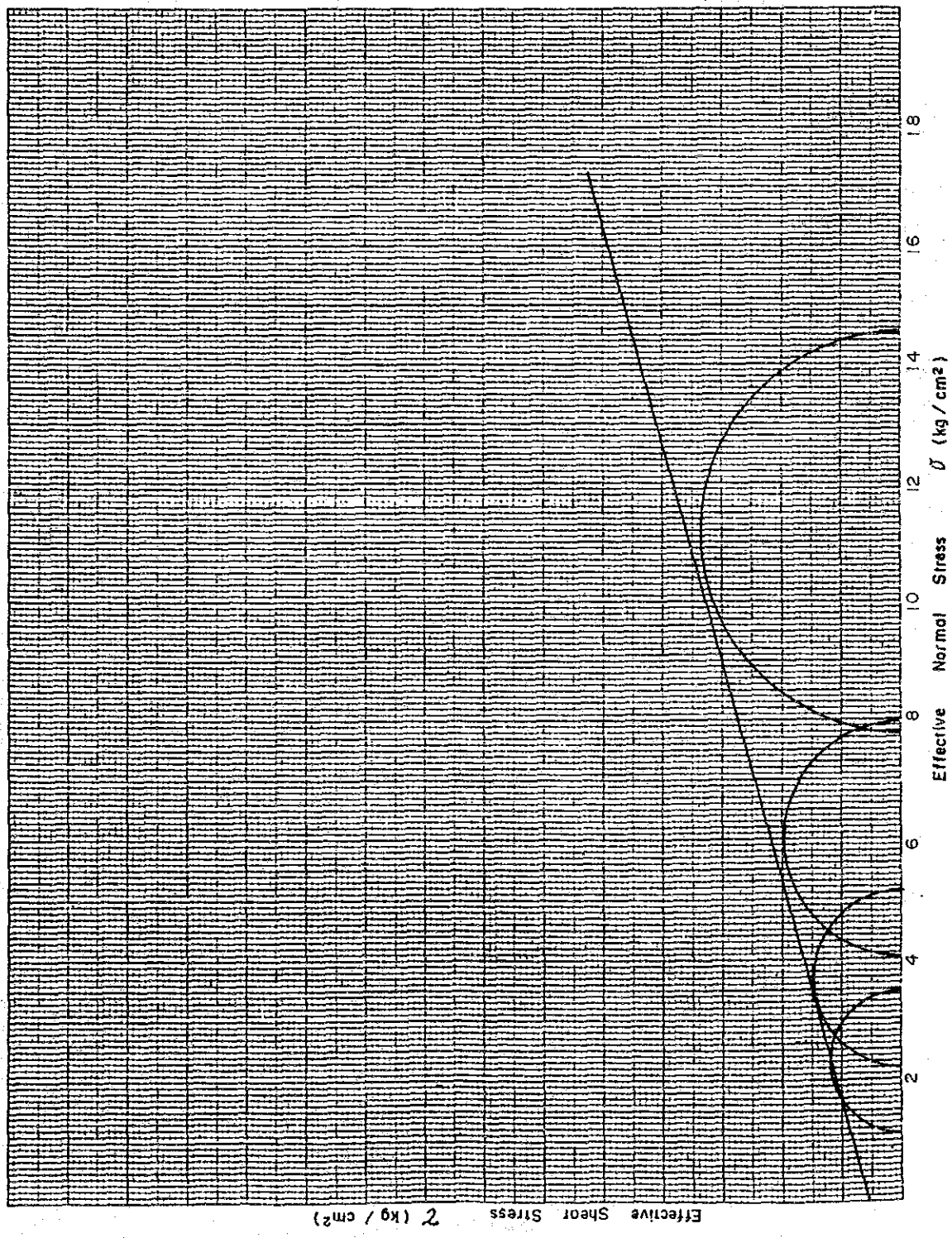
Proving Ring Capacity

Specimen Number		No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure (kg/cm²)		1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	2.363	3.039	4.173	7.418	
	ε_f (%)	12.1	14.1	12.2	15.25	
	U_f (kg/cm²)	0	0	0.20	0.53	
	A_f					
	e_f					
	εv_f (%)					
	Elapsed Time to Failure (min)	12.1	14.1	12.2	15.25	
Modulus of Elasticity E50(kg/cm²)		70	119	139.3	118	
Room Temperature (°C)		28	28	28	28	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	UU CU (CU) CD	FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE II	DATE: 18 - 10 - 85
SAMPLE NO. & DEPTH	SP - 7 Wopt + 2% (2.0 m ~ 5.0 m)	TESTED BY: SUHAIBUN

SCOPE			
	Normally Consolidated	Cu = kg/cm², φu =	C' = 0.581 kg/cm². φ' = 14.84
	Over-Consolidated	C = kg/cm², φ =	C' = kg/cm². φ' =



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

UU · CU · (CU) · CD

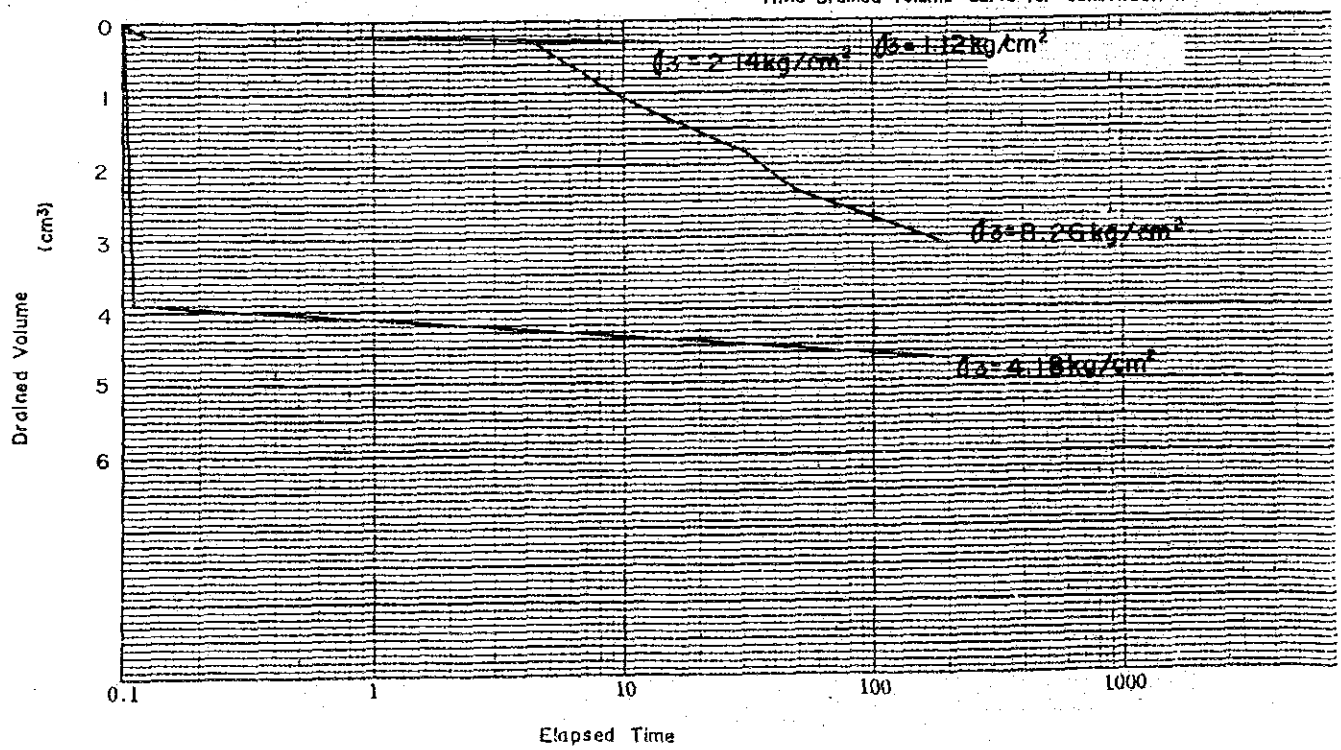
FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT , PHASE II	DATE	26 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other( ) (Remoulded)	Condition of Drainage During Consolidation	Single Drainage. Doubel Drainage. Paper Drain
Properties	Classification CL Gs 2.84 w_L % w_p %		

Specimen Number				No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure			(kg/cm^2)	1.12	2.14	4.18	8.26	
Initial Conditions of Specimen	Height	H_o	(cm)	8	8	8	8	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm^3)	91	91	91	91	
	Weight	W_o	(g)	184.84	183.49	185.20	187.90	
	Wet Density	γ	(g/cm^3)	2.031	2.016	2.035	2.064	2.037
	Water Content	w_o	(%)	20.7	21.4	21.44	21.0	21.14
	Void Ratio	e_o		0.687	0.408	0.695	0.663	0.613
	Degree of Saturation	Sr	(%)	86	100	88	90	91
Consol. Data	Consolidation Time	Dry Density	d (g/cm^3)	1.683	2.016	1.676	1.708	1.771
	Drained Volume	ΔV	(cm^3)					
	Void Ratio After Consolidation	e						
	Room Temperature		(°C)					

Time Drained Volume Curve for Consolidation



TRIAXIAL COMPRESSION TEST (LOADING DATA)

UU CU (CU) CD

FOR REPORTING

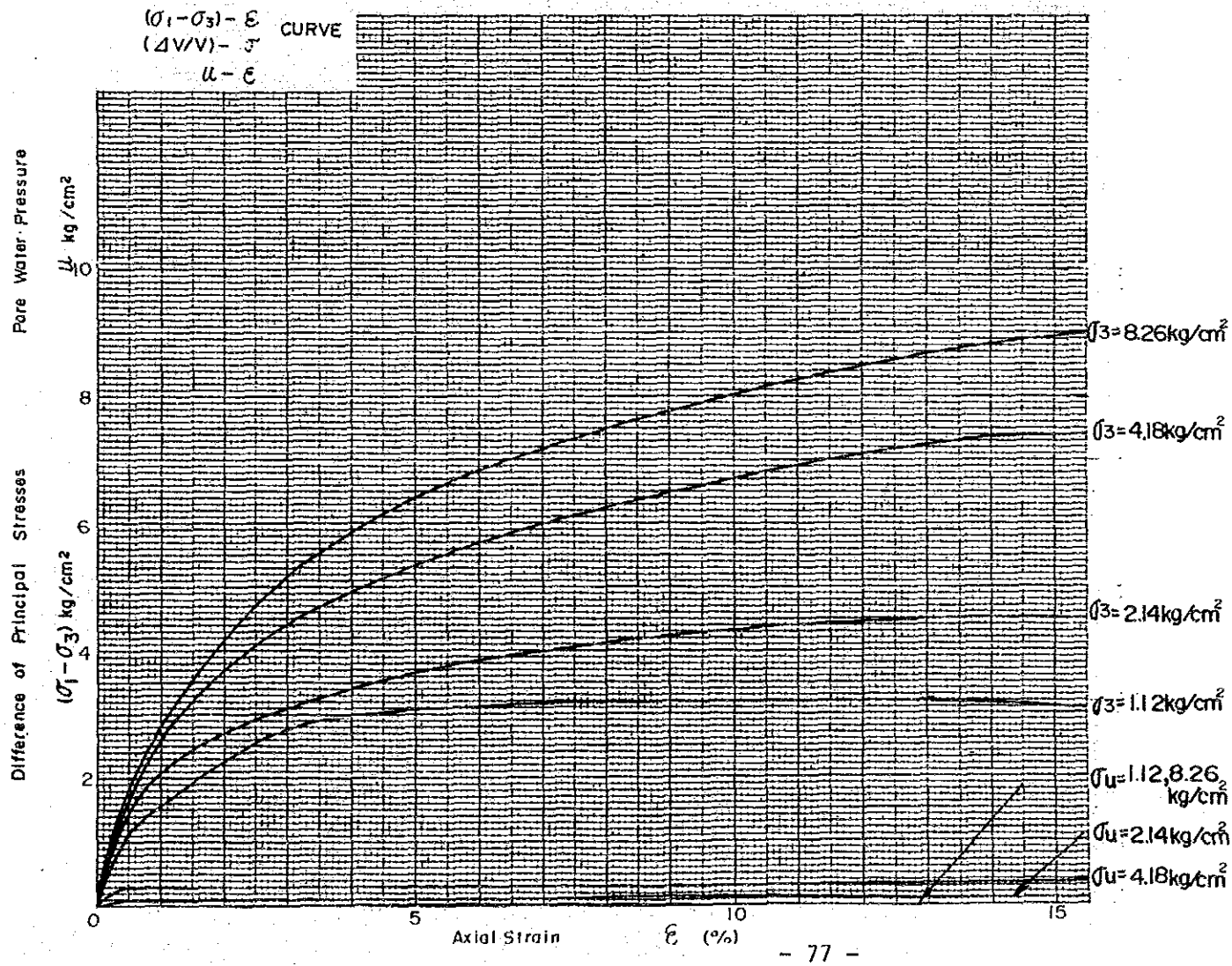
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	26 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0m ~ 5.0m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control Stress Control

Rate Compression _____ /min

Proving Ring Capacity _____

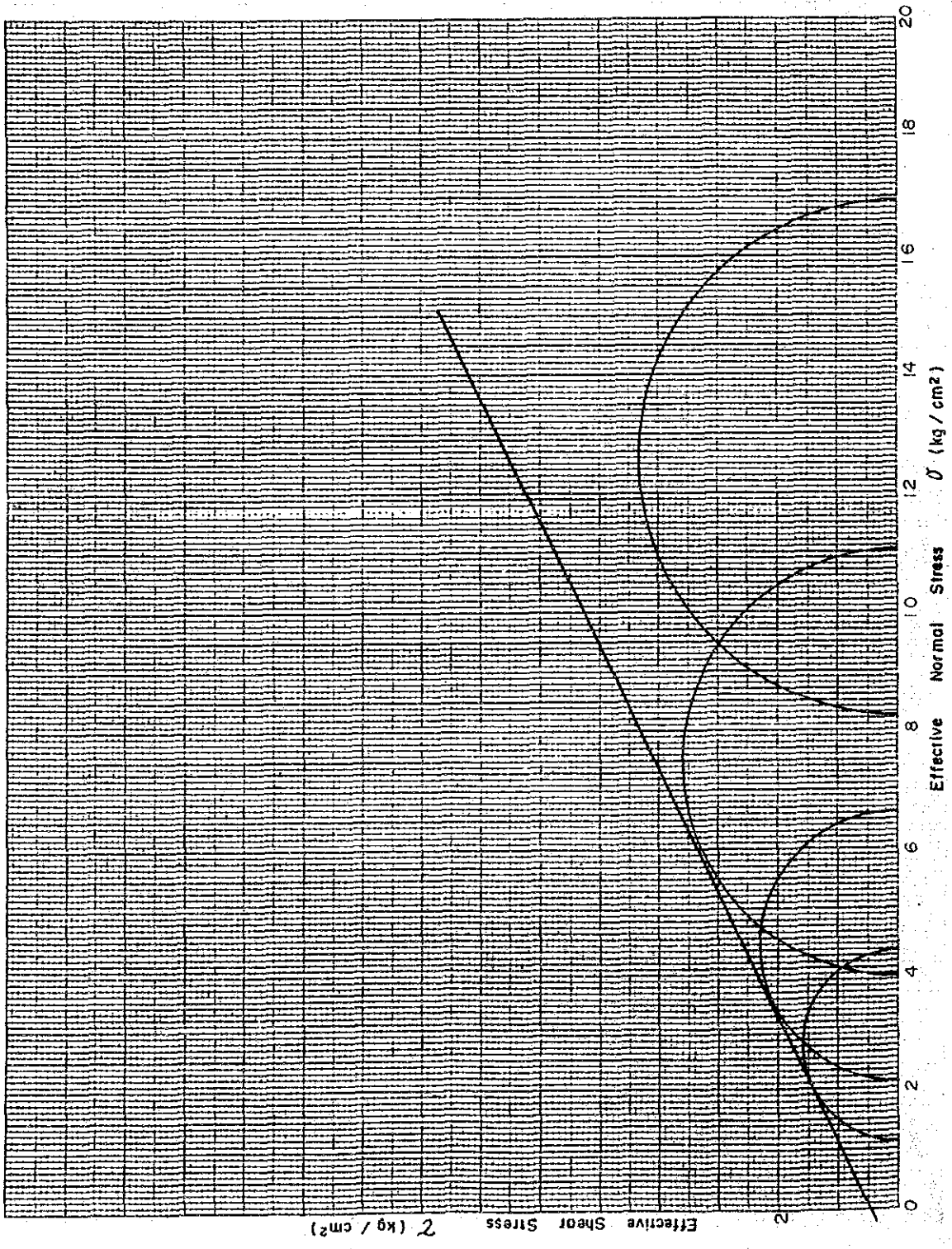
Specimen Number		No. 1	No. 2	No. 3	No. 4	No.
Consolidation Pressure (kg/cm²)		1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	3.179	4.504	7.446	8.694	
	ε_f (%)	12	15	15	15	
	U_f (kg/cm²)	0	0.001	0.30	0	
	A_f					
	a_f					
	εv_f (%)					
Elapsed Time to Failure (min)		12	15	15	15	
Modulus of Elasticity E50(kg/cm²)		280	356	298	206.5	
Room Temperature (°C)		27	27	27	27	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	UU CU (CU) CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	26 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

SCOPE			
	Normally Consolidated	Cu = kg/cm², φu =	C' = 0.413 kg/cm², φ' = 26.01
	Over-Consolidated	C = kg/cm², φ =	C' = kg/cm², φ' =



TRIAXIAL COMPRESSION TEST (INITIAL CONDITION: CONSOLIDATION : DATE)

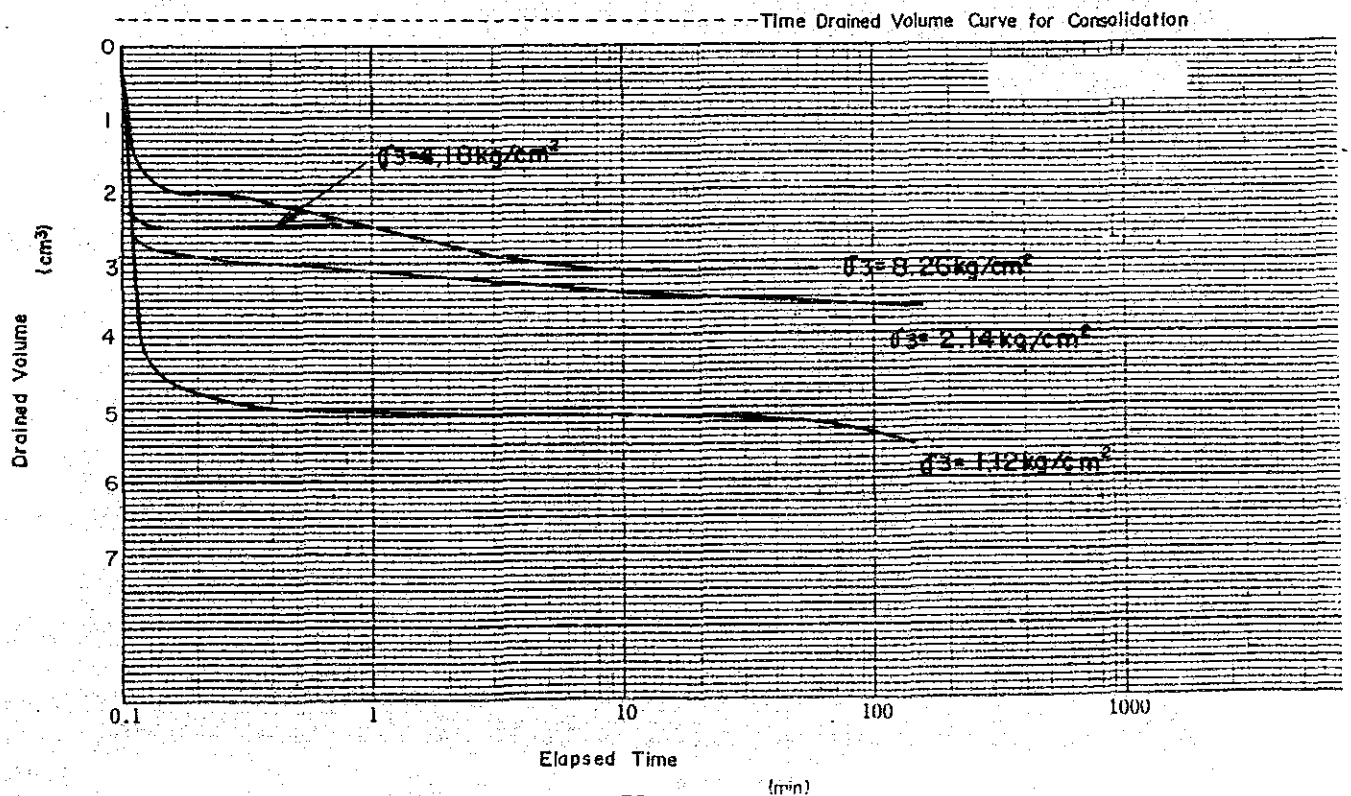
UU · CU
(CU) · CD

FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	22 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt + 2 % (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Sample	Undisturbed · Disturbed	Type of Apparatus	British Type ELE Product
Shaped With	Trimmer · Other ( ) Remoulded	Condition of Drainage During Consolidation	Single Drainage · Doubel Drainage, Paper Drain
Properties	Classification Gs 2.84 w_L ____ % w_p ____ %		

	Specimen Number			No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure		(kg/cm²)	1.12	2.14	4.18	8.26	
Initial Conditions of Specimen	Height	H_o	(cm)	8	8	8	8	
	Diameter	D	(cm)	3.8	3.8	3.8	3.8	
	Volume	V_o	(cm³)	91	91	91	91	
	Weight	W_o	(g)	183.92	183.40	184.29	184.64	
	Wet Density	γ	(g/cm³)	2.019	2.015	2.025	2.029	
	Water Content	w_o	(%)	23.30	22.83	22.41	22.89	22.86.
	Void Ratio	e_o		0.734	0.731	0.717	0.720	
	Degree of Saturation	Sr	(%)	90	89	89	90	
Consol. Data	Consolidation Time	Dry Density γ_d	(g/cm³)	1.637	1.641	1.654	1.651	1.646
	Drained Volume	ΔV	(cm³)					
	Void Ratio After Consolidation	e						
	Room Temperature		(℃)					



TRIAXIAL COMPRESSION TEST (LOADING DATA)

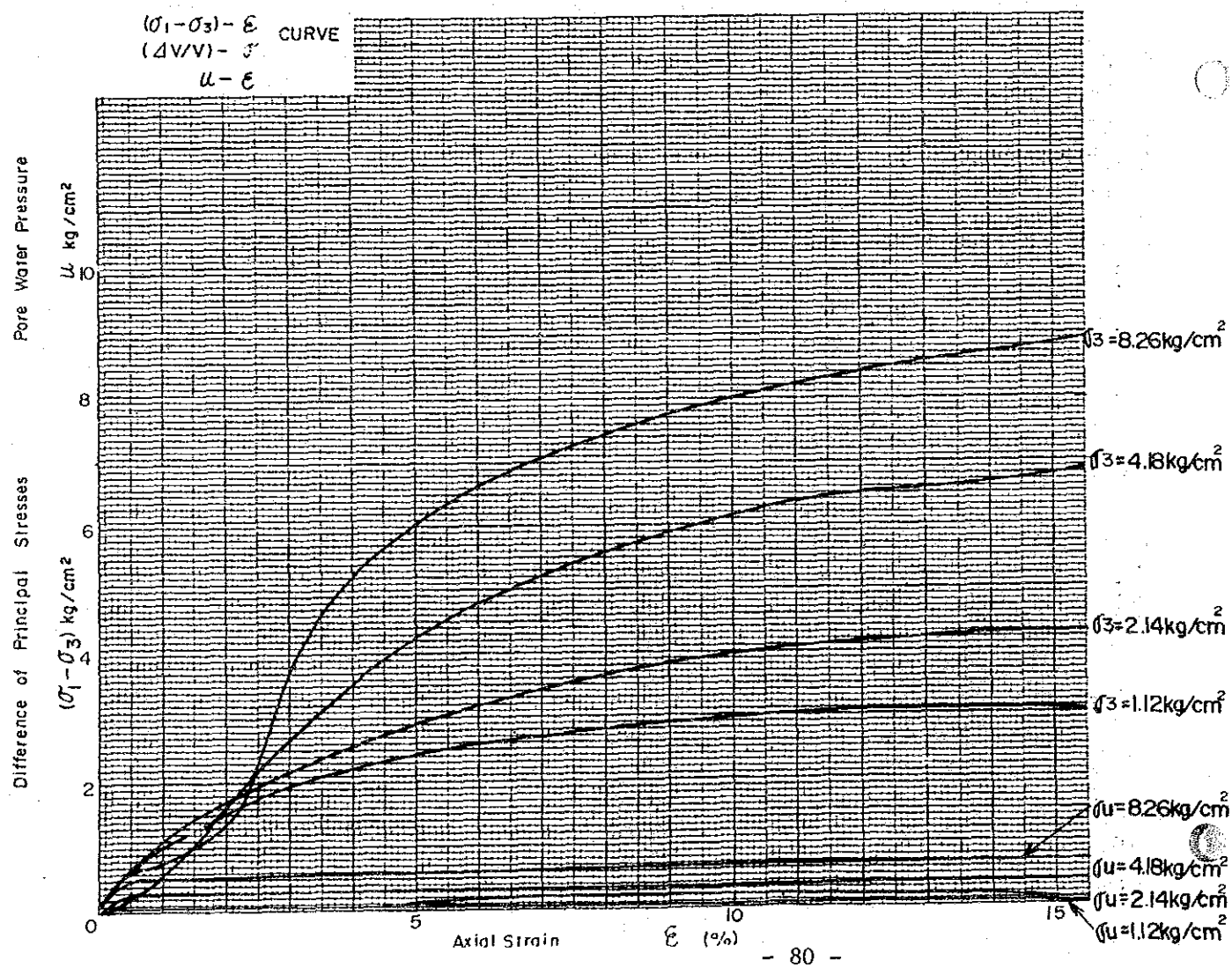
UU CU
(CU) CD

FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	22-10-85
SAMPLE NO. & DEPTH	SP-8 Wopt + 2 % (2.0 m ~ 5.0 m)	TESTED BY	SUHAIBUN

Loading Method: Strain Control / Stress Control
Rate Compression ____ /min
Proving Ring Capacity ____

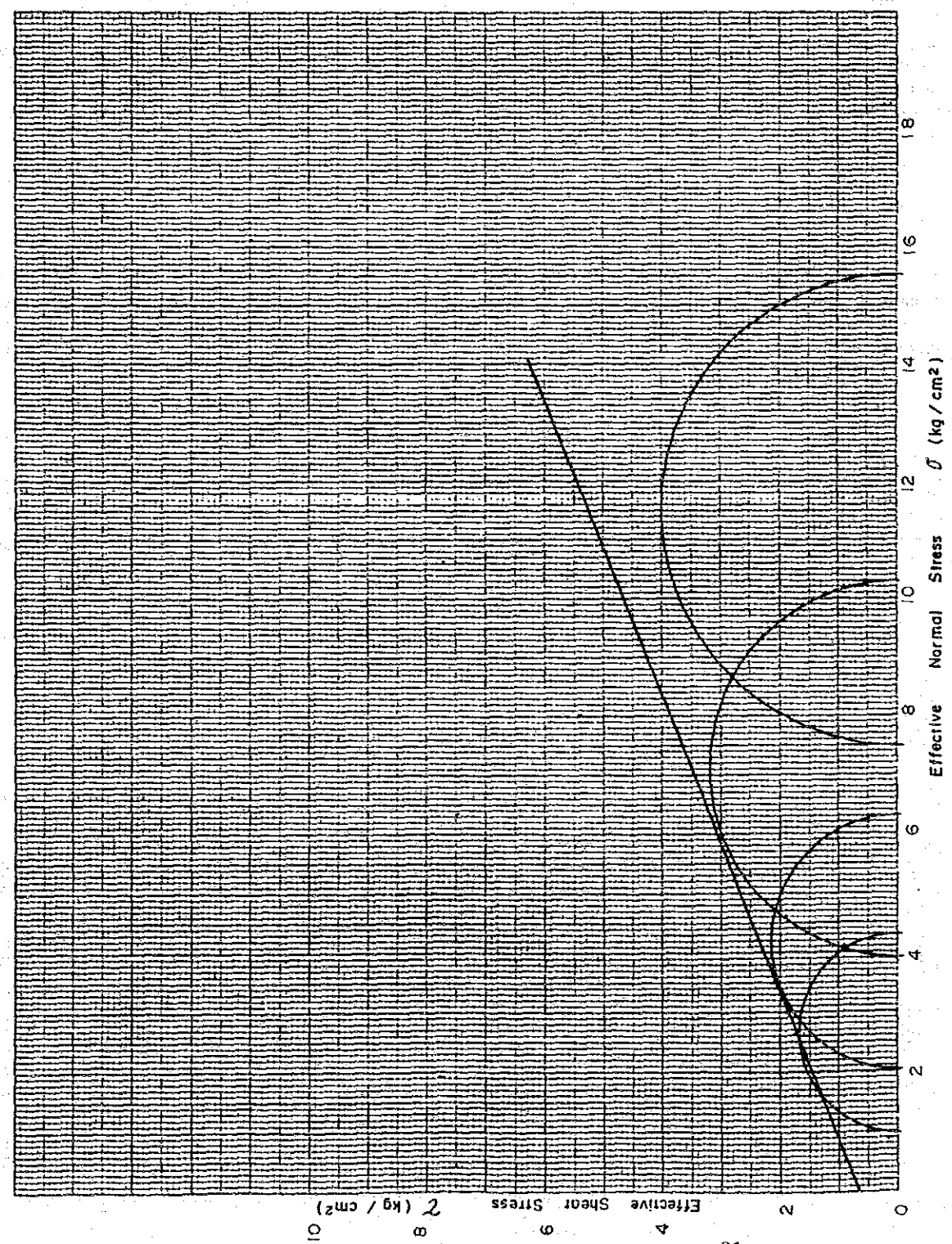
	Specimen Number	No. 1	No. 2	No. 3	No. 4	No.
	Consolidation Pressure (kg/cm²)	1.12	2.14	4.18	8.26	
At Peak	$(\sigma_1 - \sigma_3)_f$ (kg/cm²)	4.219	6.294	10.224	15.613	
At Peak	ε_f (%)	13.26	15.20	15.14	15.21	
At Peak	U_f (kg/cm²)	0.009	0.11	0.38	0.69	
At Peak	A_f					
At Peak	e_f					
At Peak	εv_f (%)					
	Elapsed Time to Failure (min)	13.3	15	15	15	
	Modulus of Elasticity E50(kg/cm²)	186	107	72.1	129.1	
	Room Temperature (°C)	28	28	28	28	



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM)	UU CU (CU) CD	FOR REPORTING

NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	22 - 10 - 85
SAMPLE NO. & DEPTH	SP - 8 Wopt + 2 % (2.0m ~ 5.0 m)	TESTED BY	SUHAIBUN

SCOPE					
	Normally Consolidated	Cu =	kg/cm², φu =	C' = 0.619	kg/cm², φ' = 21.75
	Over-Consolidated	C =	kg/cm², φ =	C' =	kg/cm², φ' =



ASTM C136 - 84	GRADATION ANALYSIS		FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	5 - 9 - 85
SAMPLE NO. & DEPTH	GP - 1 Mixed (1.0 m 2.0 m)	TESTED BY	DORA

COARSE AGGREGATE

Sieve													
	Grain Size (mm)			90	75	63	50	37.5	25	19	12.5	9.5	4.75
	Total Passing (%)					98.9	94.5	74.9	58.6	46.3	24.0	16.0	0.3

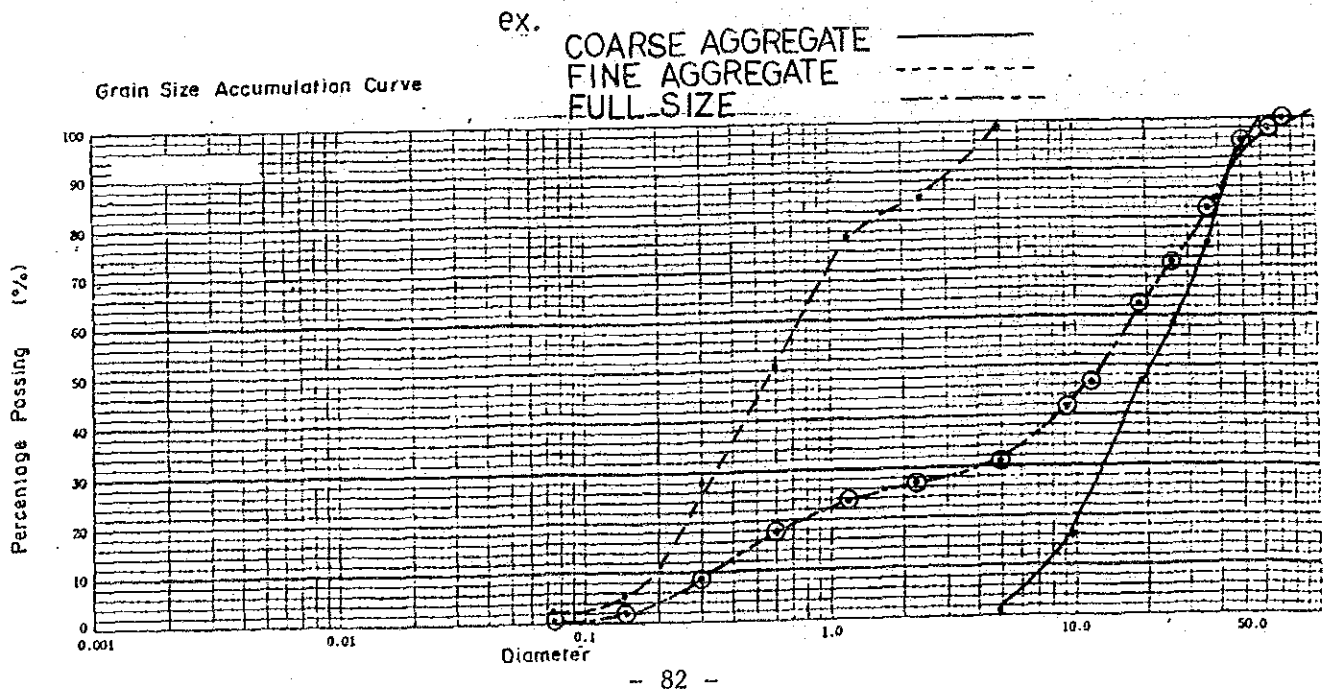
FINE AGGREGATE

Sieve													
	Grain Size (mm)							4.75	2.40	1.18	0.6	0.3	0.15
	Total Passing (%)							100.0	87.3	78.3	51.3	28.2	4.7
													0.075
													1.11

FULL SIZE

Sieve																
	Grain Size (mm)	90	75	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)	100.0	98.6	97.8	94.9	81.5	70.5	62.1	46.8	41.4	30.7	26.7	24.0	15.7	8.6	1.4
																0.075
																0.3

ex.



ASTM C136 - 84	GRADATION ANALYSIS		FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	26 - 9 -85
SAMPLE NO. & DEPTH	GP-2 Mixed (1.0 m 2.0 m)	TESTED BY	DORA

COARSE AGGREGATE

Sieve													
	Grain Size (mm)			90	75	63	50	37.5	25	19	12.5	9.5	4.75
	Total Passing (%)				100.0	89.2	79.5	66.6	49.2	35.8	—	13.4	1.7
											(21.0)		

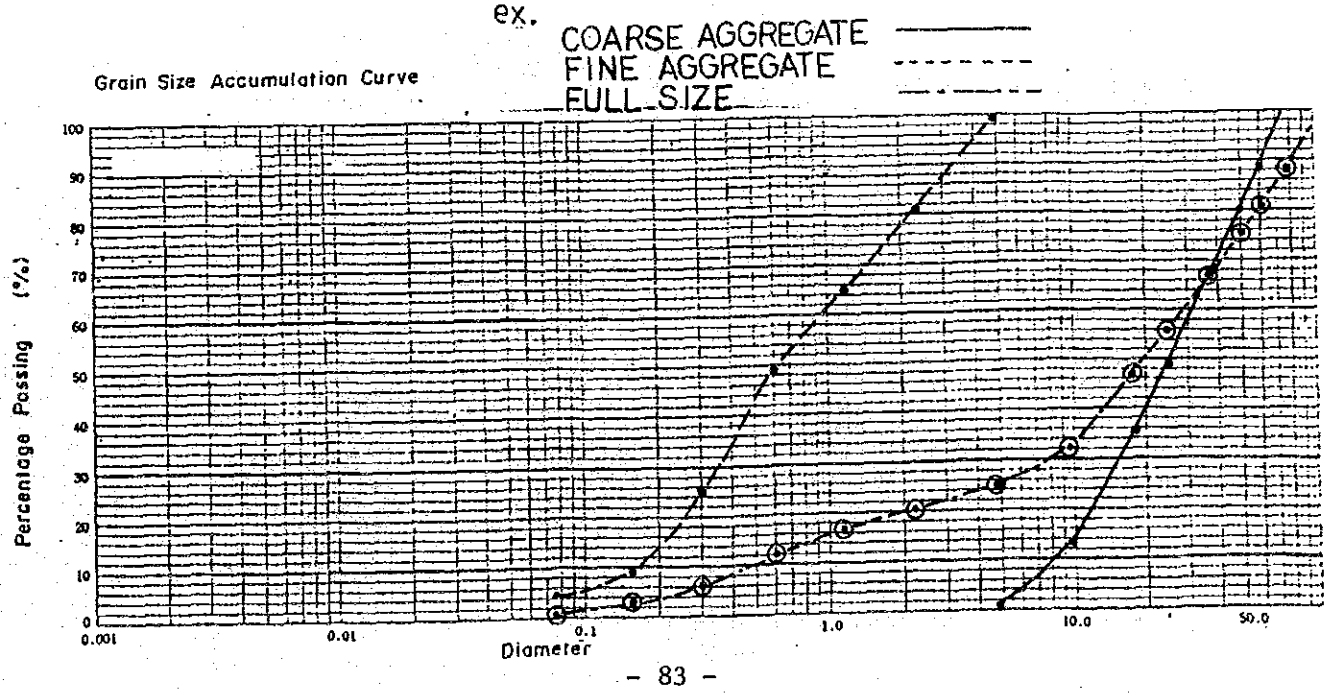
FINE AGGREGATE

Sieve													
	Grain Size (mm)							4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)							99.7	80.3	64.4	49.7	25.1	9.2
													0.075
													5.0

FULL SIZE

Sieve																
	Grain Size (mm)	90	75	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)	93.0	88.0	81.1	74.9	66.6	55.5	46.9	—	32.6	25.1	20.2	16.2	12.5	6.3	2.3
																0.075
																1.3

ex.



ASTM C136 - 84	GRADATION ANALYSIS		FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	25 - 9 - 85
SAMPLE NO. & DEPTH	GP - 3 Mixed (1.0 m 2.0 m)	TESTED BY	DORA

COARSE AGGREGATE

Sieve	Grain Size (mm)				90	75	63	50	37.5	25	19	12.5	9.5	4.75
	Total Passing (%)					100.0	95.9	83.5	69.8	47.5	28.8	— (20.0)	12.9	2.2

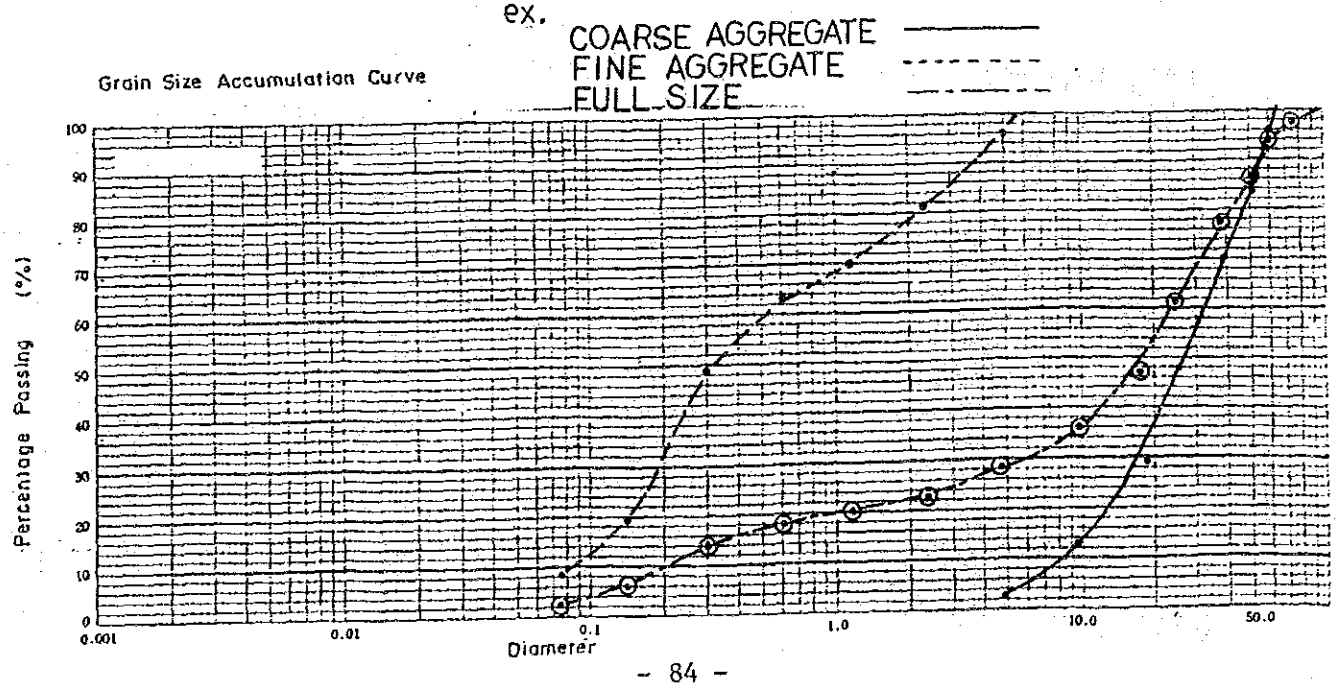
FINE AGGREGATE

Sieve	Grain Size (mm)							4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)							95.8	80.5	70.1	62.7	48.3	19.1
													0.075
													8.2

FULL SIZE

Sieve	Grain Size (mm)	90	75	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)	100.0	97.6	94.7	85.9	76.3	60.6	47.4	—	36.2	28.7	23.1	20.1	18.0	13.9	5.5
																0.075
																2.4

ex.



ASTM C136 - 84	GRADATION ANALYSIS		FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	19 - 9 - 85
SAMPLE NO. & DEPTH	GP - 4 Mixed (1.0 m 2.0 m)	TESTED BY	DORA

COARSE AGGREGATE

Sieve	Grain Size (mm)			90	75	63	50	37.5	25	19	12.5	9.5	4.75
	Total Passing (%)			100.0	93.3	86.9	76.4	68.4	48.9	36.0	— (22.0)	14.6	1.2

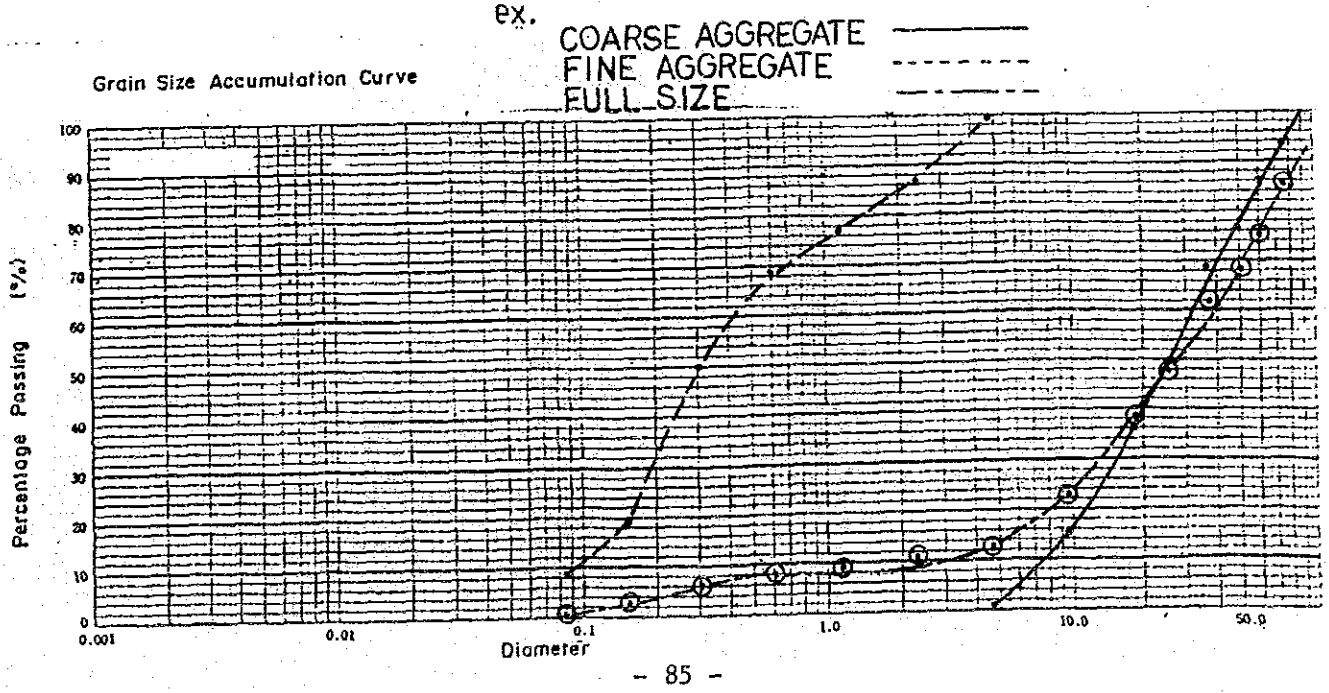
FINE AGGREGATE

Sieve	Grain Size (mm)							4.76	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)							99.8	87.1	76.9	69.3	50.0	19.8
													0.075
													8.4

FULL SIZE

Sieve	Grain Size (mm)	90	75	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)	90.0	85.1	75.4	67.9	61.9	47.7	38.2	—	22.6	12.6	10.4	9.1	8.2	6.0	2.4
																0.075
																1.0

ex.



ASTM C136 - 84	GRADATION ANALYSIS		FOR REPORTING
NAME OF PROJECT	TENOM PANGI PROJECT, PHASE III	DATE	7 - 9 - 85
SAMPLE NO. & DEPTH	G.P.-5 Mixed (1.0 m 2.0 m)	TESTED BY	DORA

COARSE AGGREGATE

Sieve	Grain Size (mm)			90	75	63	50	37.5	25	19	12.5	9.5	4.75
	Total Passing (%)			100.0	96.0	78.5	71.3	59.3	47.2	36.7	— (23.0)	15.5	1.3

FINE AGGREGATE

Sieve	Grain Size (mm)							4.76	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)							99.9	83.9	66.1	53.8	4.15	25.8
													0.075
													10.7

FULL SIZE

Sieve	Grain Size (mm)	90	75	63	50	37.5	25	19	12.5	9.5	4.75	2.36	1.18	0.6	0.3	0.15
	Total Passing (%)	93.0	86.6	71.8	66.8	58.5	50.1	42.8	—	28.1	18.4	15.4	12.2	9.9	7.6	4.7
																0.075
																2.0

ex.