

APPENDIX A

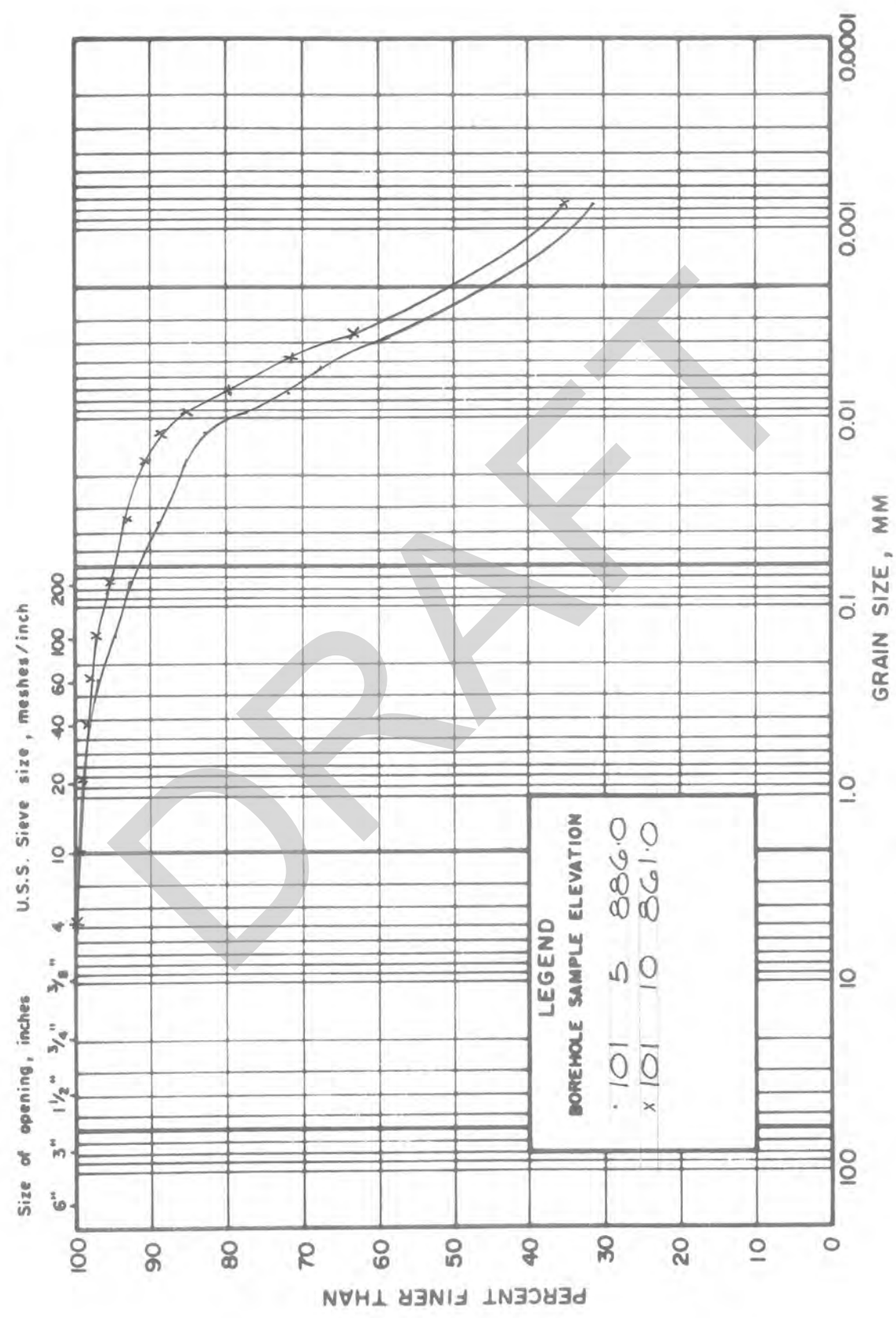
Previous Records of Boreholes

Golder Report 72483, Borehole 101 Unavailable

GRAIN SIZE DISTRIBUTION
SILTY CLAY TILL

FIGURE 3

M.I.T. GRAIN SIZE SCALE



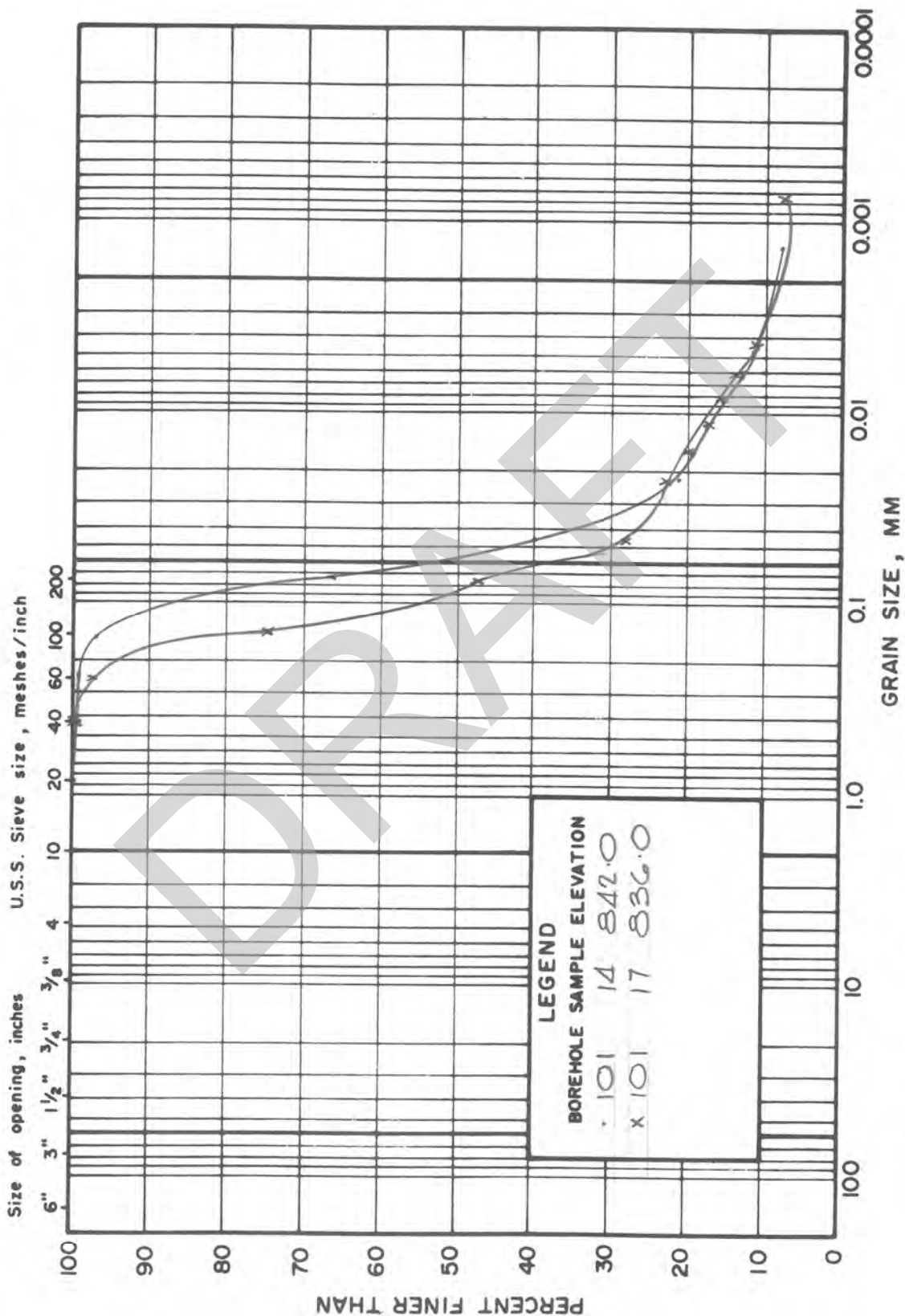
COBBLE SIZE	GRAVEL SIZE			SAND SIZE			FINE GRAINED	
	COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	SILT SIZE	CLAY SIZE

GRAIN SIZE DISTRIBUTION SILTY SAND

FIGURE 4

(Golder Report No. 72483)

M.I.T. GRAIN SIZE SCALE

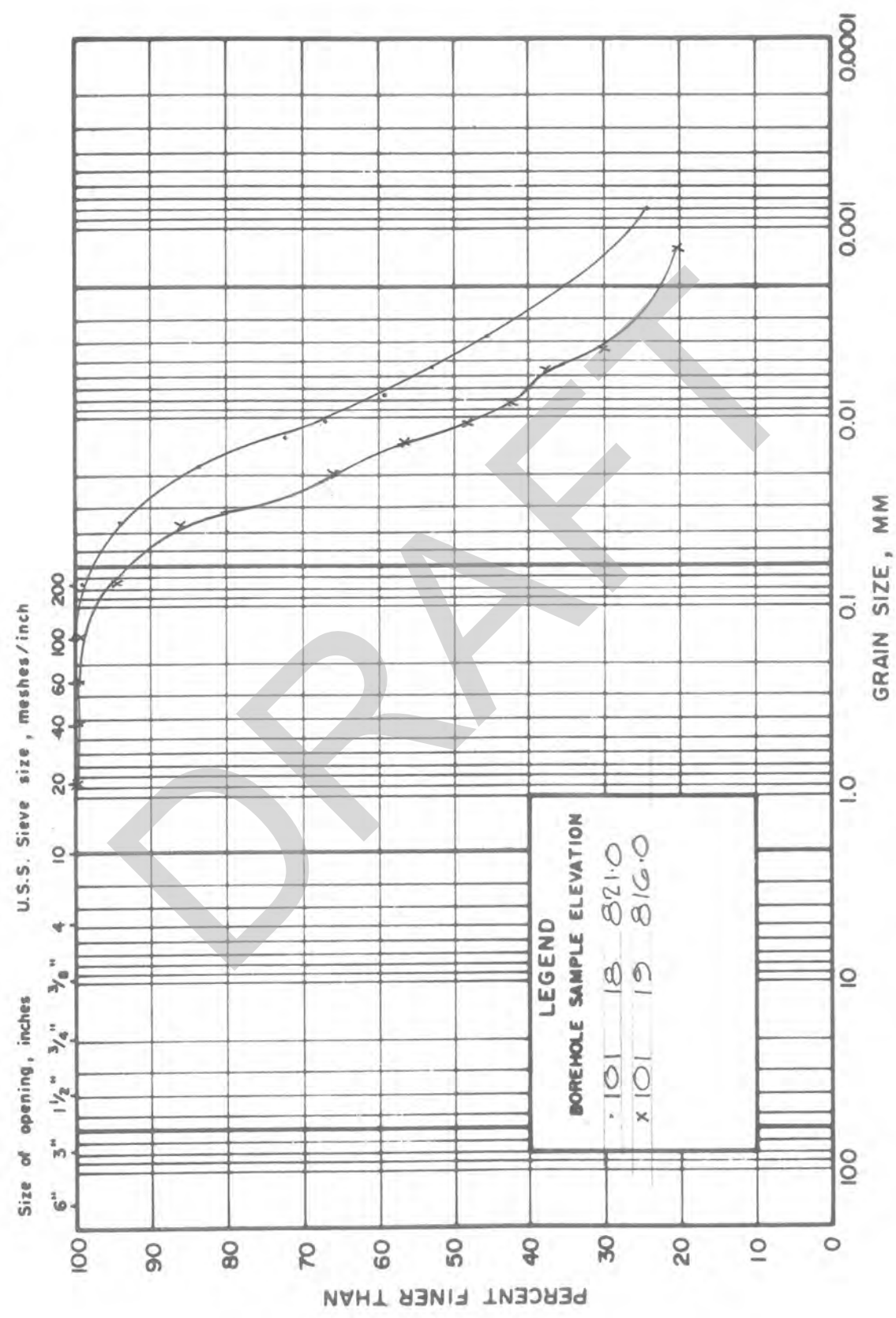


COBBLE SIZE	GRAVEL SIZE			SAND SIZE			FINE GRAINED		
	COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	SILT SIZE	CLAY SIZE	

GRAIN SIZE DISTRIBUTION
CLAYEY SILT

FIGURE 5

M.I.T. GRAIN SIZE SCALE



COBBLE SIZE	COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	SILT SIZE	CLAY SIZE
	GRAVEL SIZE			SAND SIZE			FINE GRAINED	

RECORD OF BOREHOLE 102

LOCATION See Figure 1

BORING DATE NOVEMBER 29, 1972

DATUM GEODETIC

SAMPLER HAMMER WEIGHT 140 LB., DROP 30 IN.

PENETRATION TEST HAMMER WEIGHT 140 LB., DROP 30 IN.

[illegible]

RECORD OF BOREHOLE 103																	
LOCATION See Figure			BORING DATE NOVEMBER 28, 1972				DATUM GEODETIC										
SAMPLER HAMMER WEIGHT 140 LB., DROP 30 IN.			PENETRATION TEST HAMMER WEIGHT 140 LB., DROP 30 IN.														
BORING METHOD	SOIL PROFILE		SAMPLES			ELEVATION SCALE	DYNAMIC PENETRATION RESISTANCE, BLOWS/FT.				COEFFICIENT OF PERMEABILITY, K, CM./SEC.				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
	ELEV'N DEPTH	DESCRIPTION	STRAT. PLOT	NUMBER	TYPE		BLOWS/FT.	20 40 60 80				1x10 1x10 1x10 1x10					
								SHEAR STRENGTH Cu., LB./SQ.FT. NAT. V. - + Q. - ● REM. V. - ● U. - ○				WATER CONTENT, PERCENT Wp Wl					
							(Golder Report No. 72483-1) "Note: is in Imperial Units"										
POWER AUGER 6" DIA. (UNCASED)	925.9	GROUND LEVEL					930									GROUND SURFACE	
		HARD BROWN (MOTTLED) DESICCATED SILTY CLAY TRACE GRAVEL OCCASIONAL SILT POCKETS ORGANIC STAINING ON FISSURES (TILL)		1	80	61	925										2" DIAM. PLASTIC TUBING
				2	"	45	920										
	915.9 14.0			3	"	24	915										
				4	"	25	910									MH	
		VERY STIFF GREY SILTY CLAY TRACE GRAVEL (TILL)		5	"	15	905										
				6	"	24	900										
	895.4 34.5 892.9 37.0	COMPACT GREY SILTY FINE TO MEDIUM SAND SOME GRAVEL		7	"	14	895									CEMENT SEAL	
				8	"	30	890										
		HARD GREY SILTY CLAY TRACE SAND AND GRAVEL (TILL)		9	"	42	885										
	882.4 47.5	DENSE GREY SANDY SILT SOME GRAVEL TRACE CLAY		10	"	36	880									MH	
	876.9 53.0			11	"	41	875										
		HARD GREY SILTY CLAY TRACE SAND AND GRAVEL (TILL)		12	"	49	870										
	864.9 65.0			13	"	100	865									CAVED MATERIAL	
				14	"	68	860										
854.9 75.0	VERY DENSE GREY SANDY SILT		15	"	100	855											
	END OF HOLE															BOREHOLE DRY To ELEV. 877.9 DEC. 5, 1972	
							Percent axial strain at failure										
VERTICAL SCALE 1 IN. TO 5 FT.							Golder Associates				DRAWN W.D.F. CHECKED						

VERTICAL SCALE
1 IN. TO 5 FT.

Golder Associates

DRAWN W.D.F.
CHECKED RA

RECORD OF BOREHOLE 104															
LOCATION See Figure			BORING DATE NOVEMBER 27, 1972			DATUM GEODETIC									
SAMPLER HAMMER WEIGHT 140 LB., DROP 30 IN.			PENETRATION TEST HAMMER WEIGHT 140 LB., DROP 30 IN.												
BORING METHOD	SOIL PROFILE		SAMPLES		ELEVATION SCALE	DYNAMIC PENETRATION RESISTANCE, BLOWS/FT.			COEFFICIENT OF PERMEABILITY, K, CM./SEC.			ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
	ELEV'N. DEPTH	DESCRIPTION	STRAT. PLT	NUMBER		TYPE	BLOWS/FT.	SHEAR STRENGTH			WATER CONTENT, PERCENT				
								Cu., LB./SQ.FT.	NAT. V. - + REM. V. - ●	Q. - ● U. - O	Wp			Wo	Wl
POWER AUGER 6" DIA. (UNCASED)	857.7 0.0	GROUND LEVEL											GROUND SURFACE		
		HARD BROWN (MOTTLED) DESICCATED SILTY CLAY TRACE SAND OCCASIONAL GRAVEL PARTICLES WHITE STAINING ON FISSURES (TILL)		1	"	36									
				2	"	51								CLAY BACKFILL	
	882.7 15.0			3	"	25									
				4	"	34									
				5	"	31									
				6	"	40									
		VERY STIFF TO HARD GREY SILTY CLAY TRACE SAND OCCASIONAL GRAVEL PARTICLES (TILL)		7	"	34									
				8	"	24									
				9	"	27									
				10	"	89									
	844.7 53.0			11	"	100									
		COMPACT TO VERY DENSE GREY FINE TO MEDIUM SAND TRACE SILT AND OCC. GRAVEL PARTICLES		12	"	14									
	830.7 67.0			13	"	84									
	VERY DENSE GREY SANDY SILT TRACE CLAY		14	"	56										
821.7 76.0	END OF HOLE														
													WATER ENCOUNTERED AT ELEV. 844.7 DURING DRILLING BOREHOLE DRY TO ELEV. 850.7 DEC. 5, 1972.		

0 to 10 Percent axial strain at failure

VERTICAL SCALE 1 IN. TO 5 FT.

Golder Associates

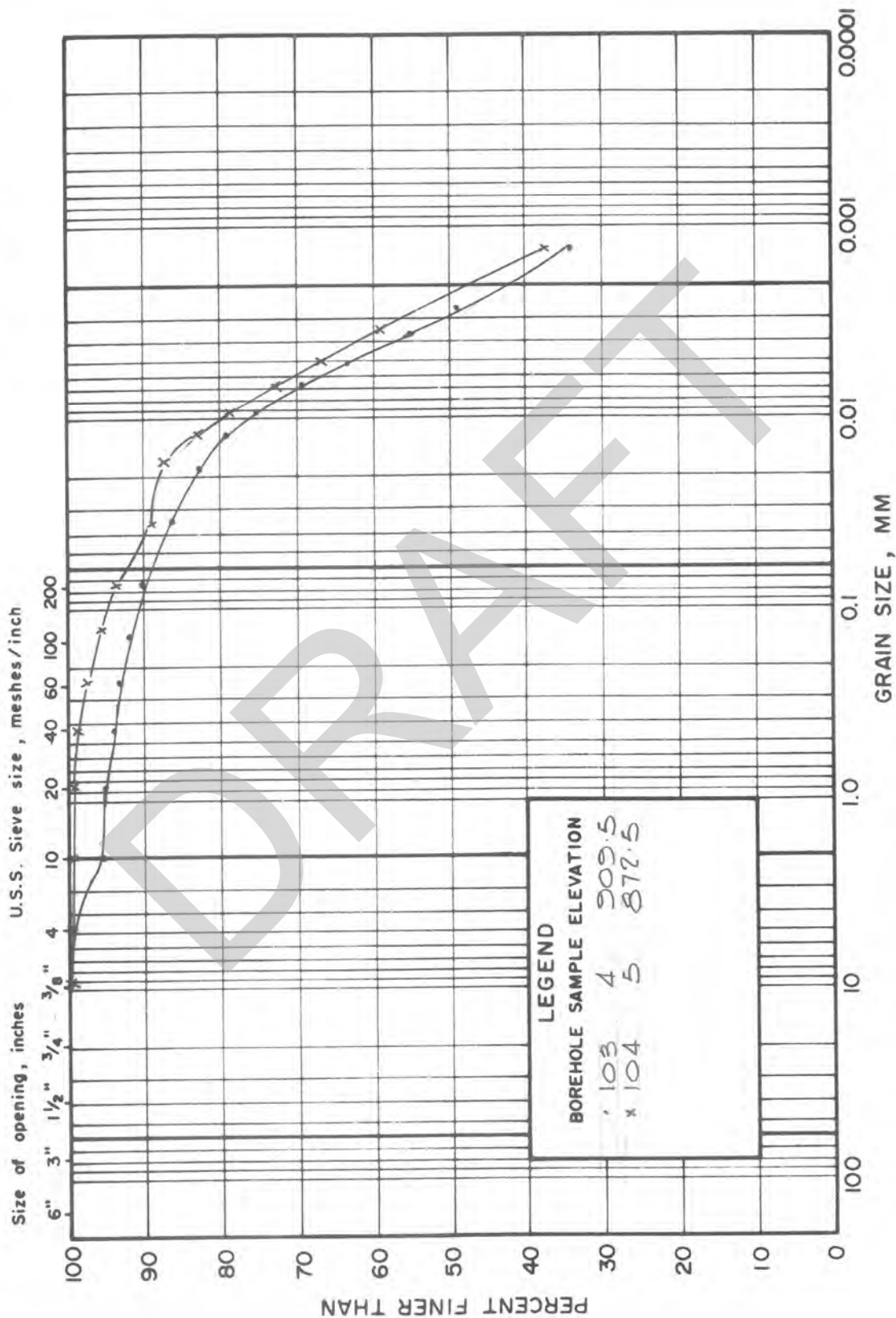
DRAWN V.O.F. CHECKED

GRAIN SIZE DISTRIBUTION SILTY CLAY TILL

FIGURE 2

(Golder Report No. 72483-1)

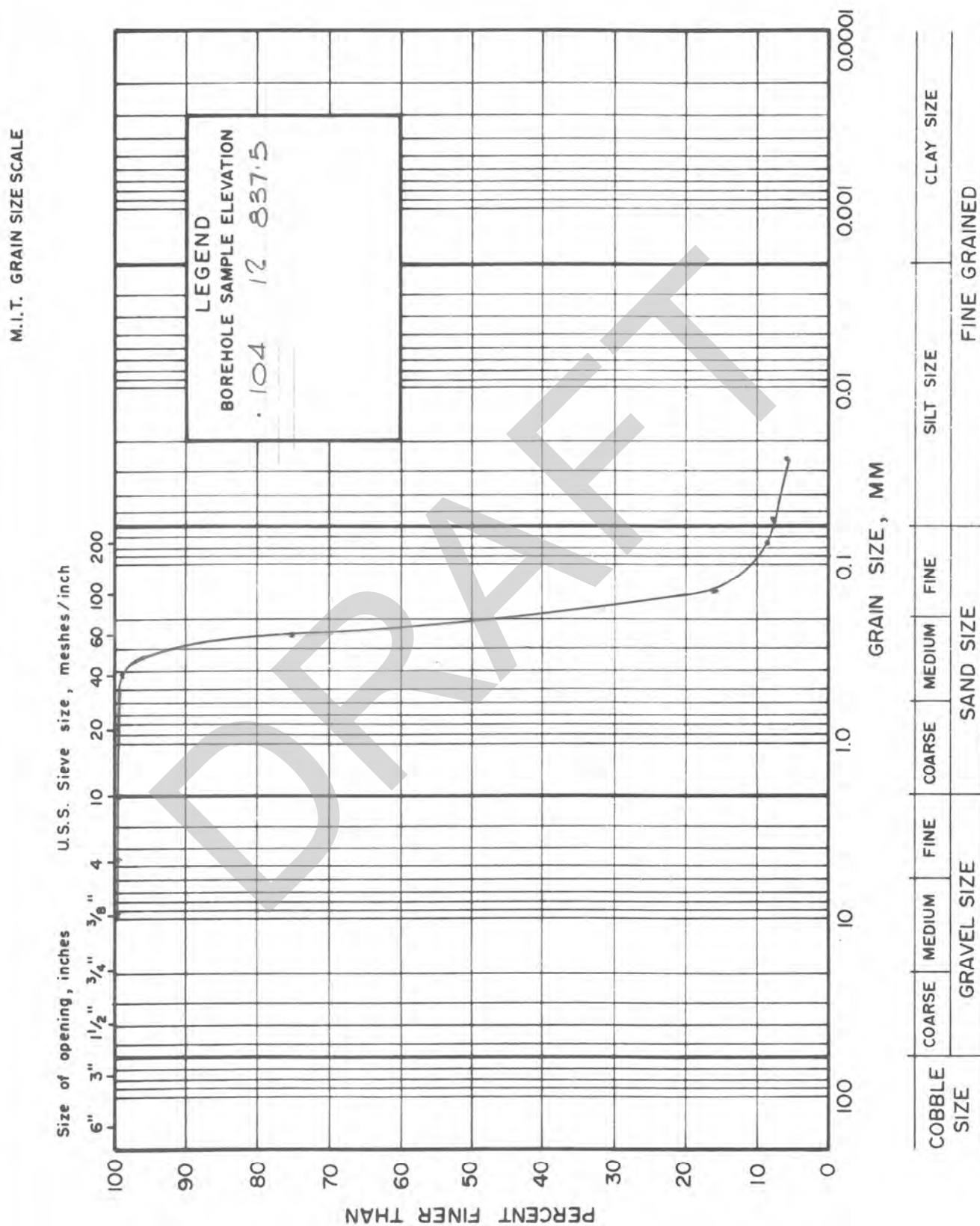
M.I.T. GRAIN SIZE SCALE



COBBLE SIZE	COARSE	MEDIUM	FINE	COARSE	MEDIUM	FINE	SILT SIZE	CLAY SIZE
	GRAVEL SIZE			SAND SIZE			FINE GRAINED	

FIGURE 3

(Golder Report No. 72483-1)



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