



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

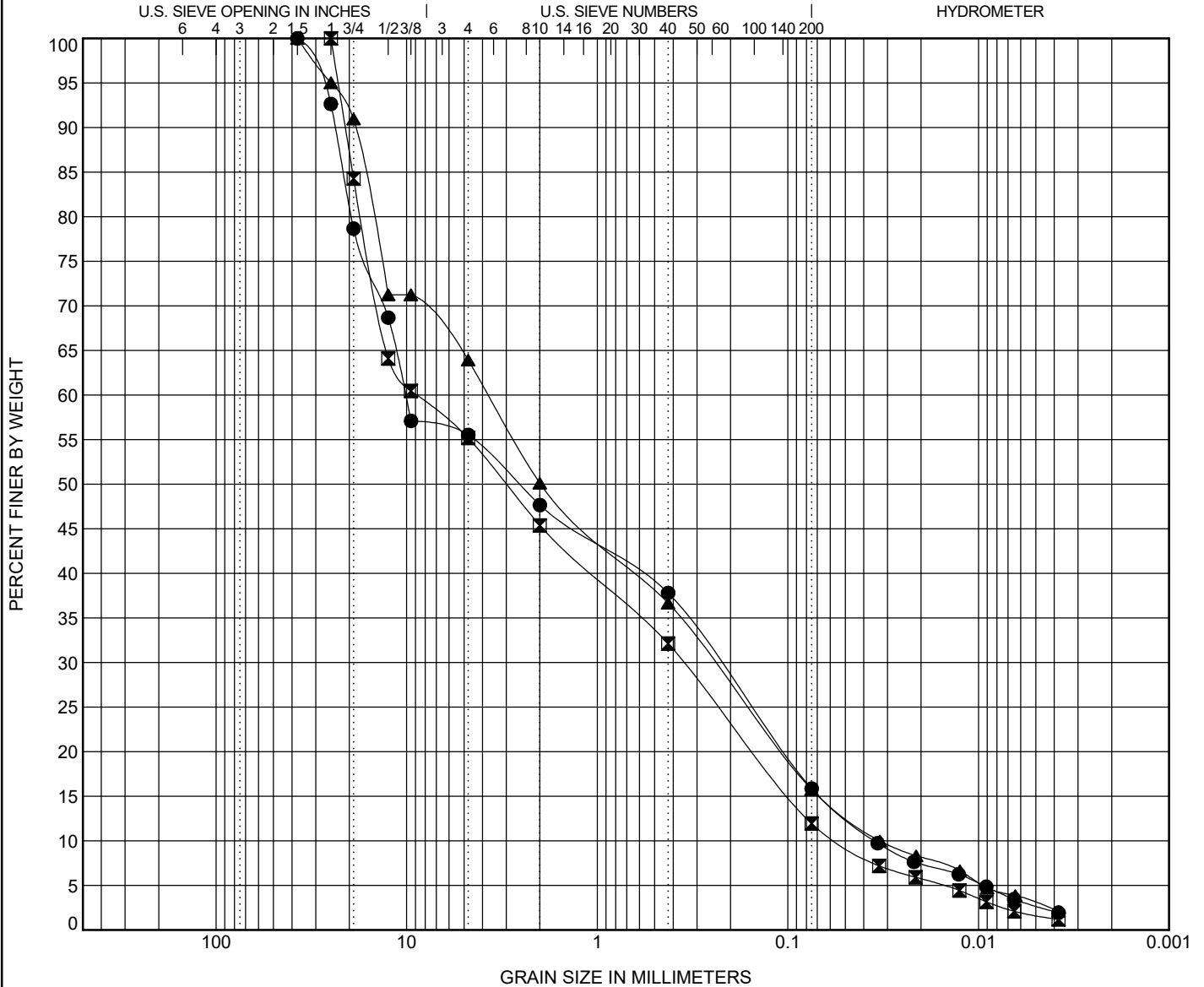
GRAIN SIZE DISTRIBUTION

PROJECT BEL-250-08.15

PID 118151

OGE NUMBER

PROJECT TYPE RETAINING WALL



COBBLES	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

Specimen Identification			ODOT (Modified AASHTO) ~ USCS Classification							LL	PL	PI	
●	B-001-0-23	4.0	A-1-b ~ SILTY GRAVEL with SAND(GM)							NP	NP	NP	
☒	B-001-0-23	6.5	A-1-b ~ POORLY GRADED GRAVEL with SILT and SAND(GP-GM)							NP	NP	NP	
▲	B-001-0-23	11.5	A-1-b ~ SILTY SAND with GRAVEL(SM)							NP	NP	NP	
Specimen Identification			D90	D50	D30	D10	%G	%CS	%FS	%M	%C	Cc	Cu
●	B-001-0-23	4.0	23.736	2.586	0.229	0.035	52	10	22	13	3	0.15	290.84
☒	B-001-0-23	6.5	20.997	3.009	0.354	0.054	55	13	20	10	2	0.26	166.48
▲	B-001-0-23	11.5	18.62	1.977	0.245	0.033	50	13	21	13	3	0.49	112.76

GRAIN SIZE - OH DOT.GDT - 6/7/23 14:42 - C:\USERS\KAMIKAMONEDRIVE - TERRACON CONSULTANTS INC\DESKTOP\N4225519 ODOT.GPJ



PROJECT BEL-250-08.15

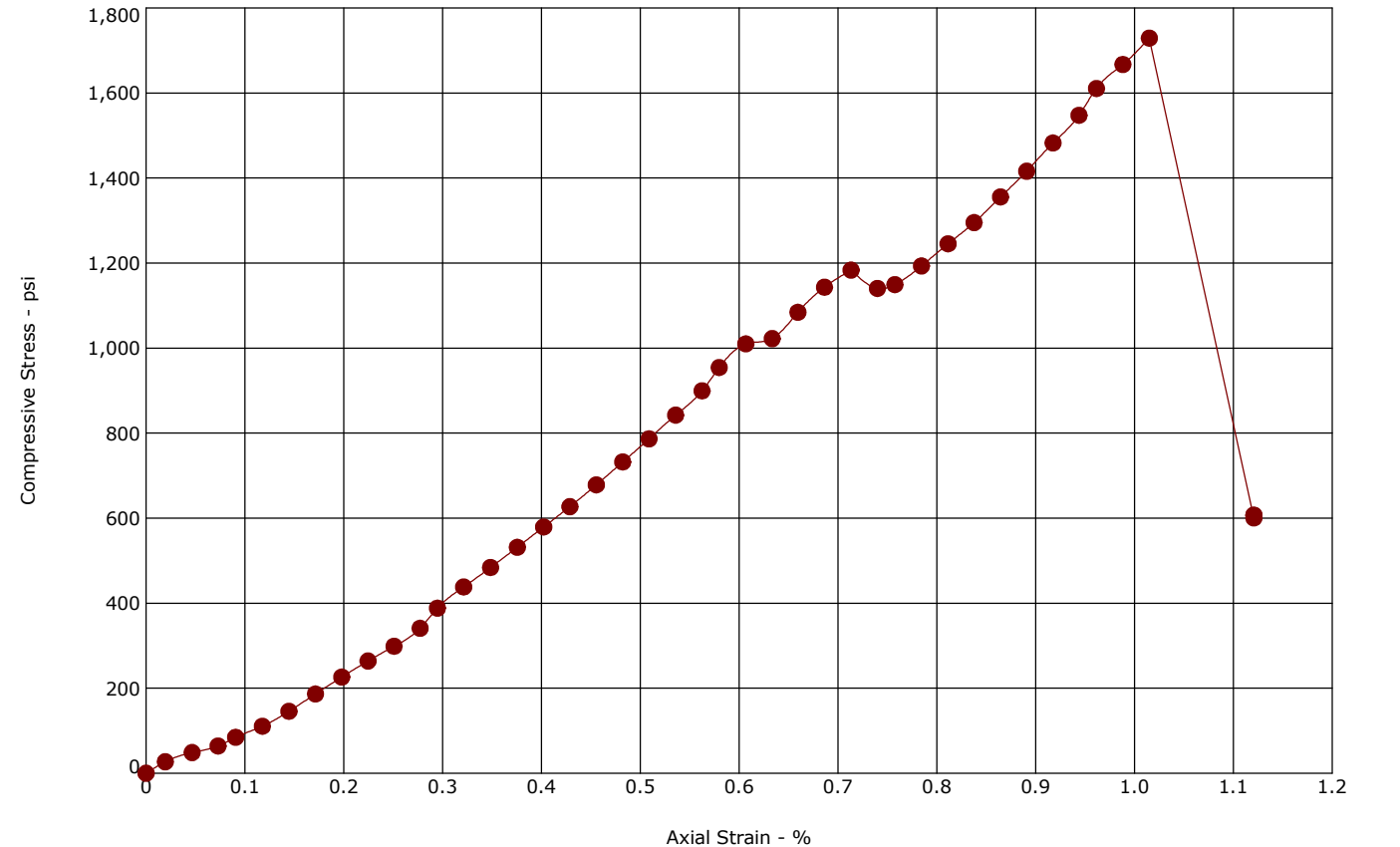
PID 118151

OGE NUMBER

PROJECT TYPE RETAINING WALL

[illegible]

Unconfined Compression Test



Boring ID	Depth (Ft)	Sample type	LL	PL	PI	Fines (%)	Description
B-001-0-23	28.5 -28.8	NQ2					SHALE

Specimen Failure Mode	Specimen Test Data	
	Moisture Content (%):	0.6
	Dry Density (pcf):	164
	Diameter (in.):	1.99
	Height (in.):	4.03
	Height / Diameter Ratio:	2.03
	Calculated Saturation (%):	
	Calculated Void Ratio:	
	Assumed Specific Gravity:	
	Failure Strain (%):	1.01
	Unconfined Compressive Strength (psi):	1729
	Undrained Shear Strength (psi):	865
	Strain Rate (in/min):	0.0404
	Remarks:	

N4225519 BEL-250-8.15 PID 118151 - Retaining Wall Replacement

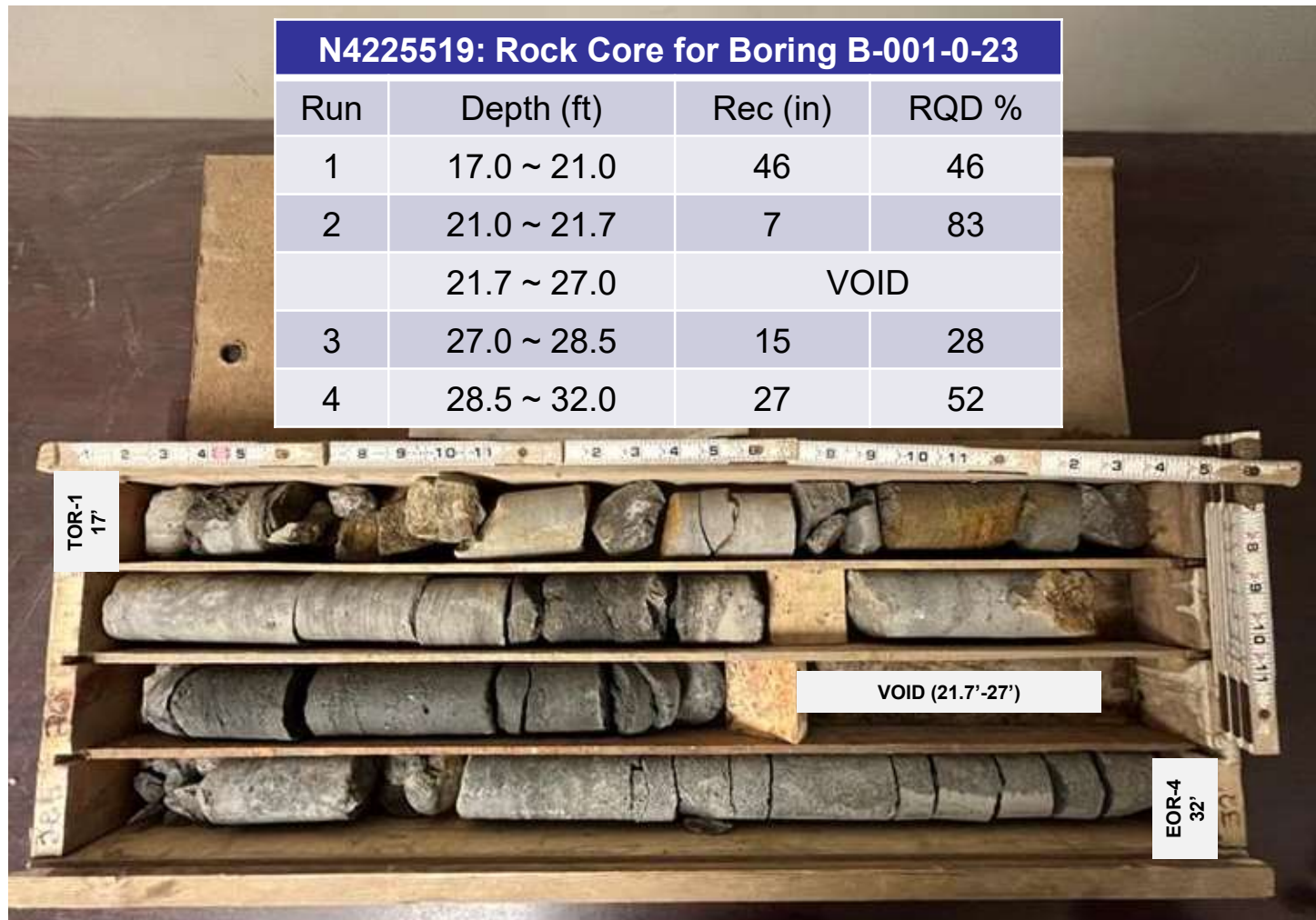


PHOTO 1: ROCK CORE OF BORING B-001-0-23, BOX 1 of 1

Project Manager:	BH	Project No.	N4225519
Drawn by:	IR	Scale:	N.T.S.
Checked by:	BH	File Name:	Rockcore Photos
Approved by:	TM	Date:	05/09/2023

800 Morrison Road
Columbus, Ohio 43230
PH. (614) 863-3113 FAX. (614) 863-0475

ROCK CORE PHOTO OF BORING B-001-0-23 (Box 1 of 1)

BEL-250-8.15 PID 118151 - Retaining Wall Replacement
Geotechnical Investigation
Bridgeport, Belmont County, Ohio