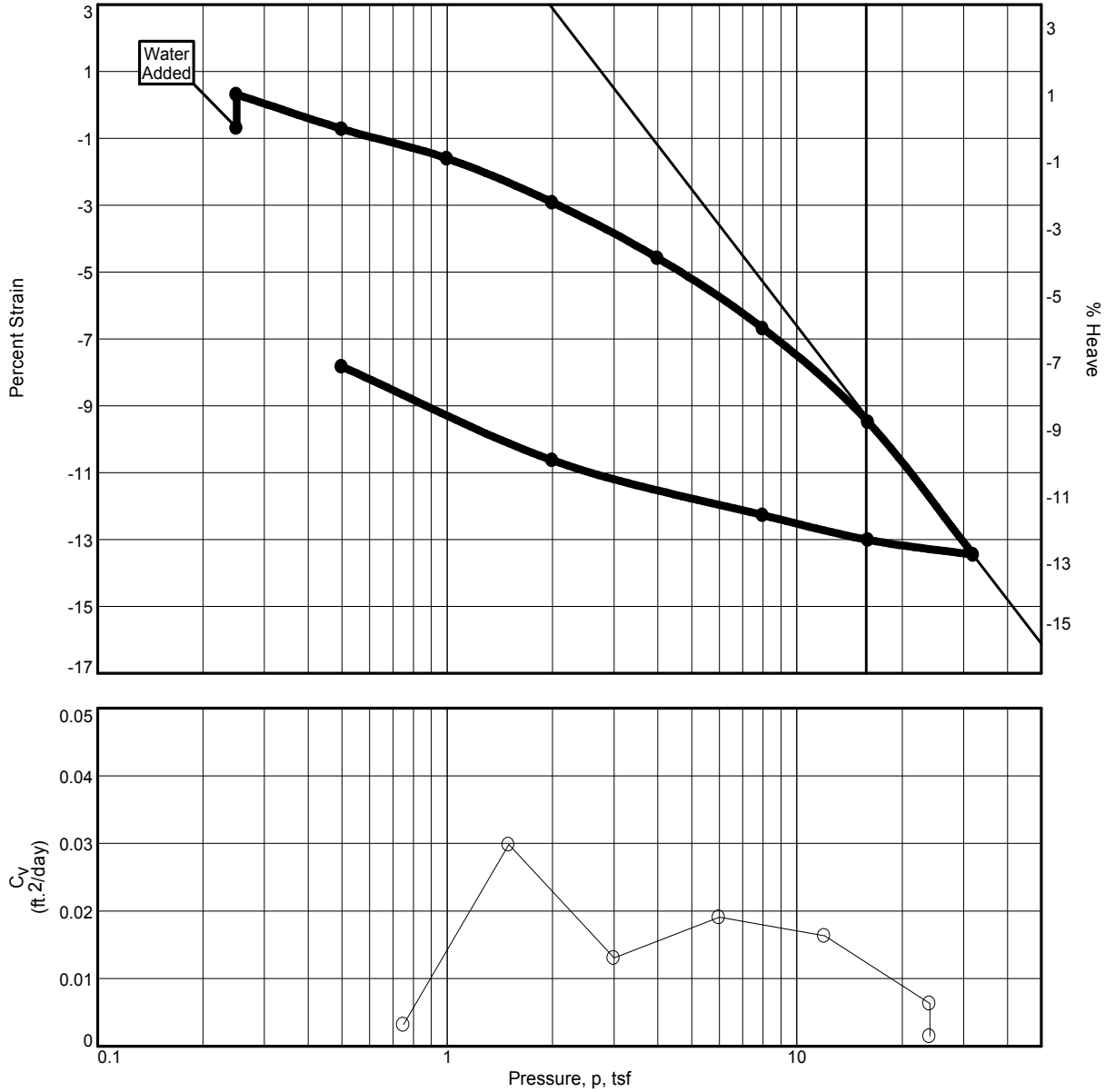


CONSOLIDATION TEST REPORT



SUMMARY OF TEST RESULTS

	DRY DENSITY (pcf)	MOISTURE CONTENT, (%)	SATURATION (%)	VOID RATIO	SPECIFIC GRAVITY	OVERBURDEN (pcf)	P_C (pcf)	C_C	SWELL PRESS. (pcf)
INITIAL	71.2	19.6	38.2	1.414	2.752	2	16.30	0.33	0.49
FINAL		18.9	19.9	1.225					

Source of Sample: Boring B-2 **Depth:** 0-2.5' **Sample Number:** S-1
Material Description: Dark Brown Sandy Lean Clay w/ Organics & Rubble **USCS:** CL **AASHTO:** A-6(11)
Remarks:

Organization Name Goes Here

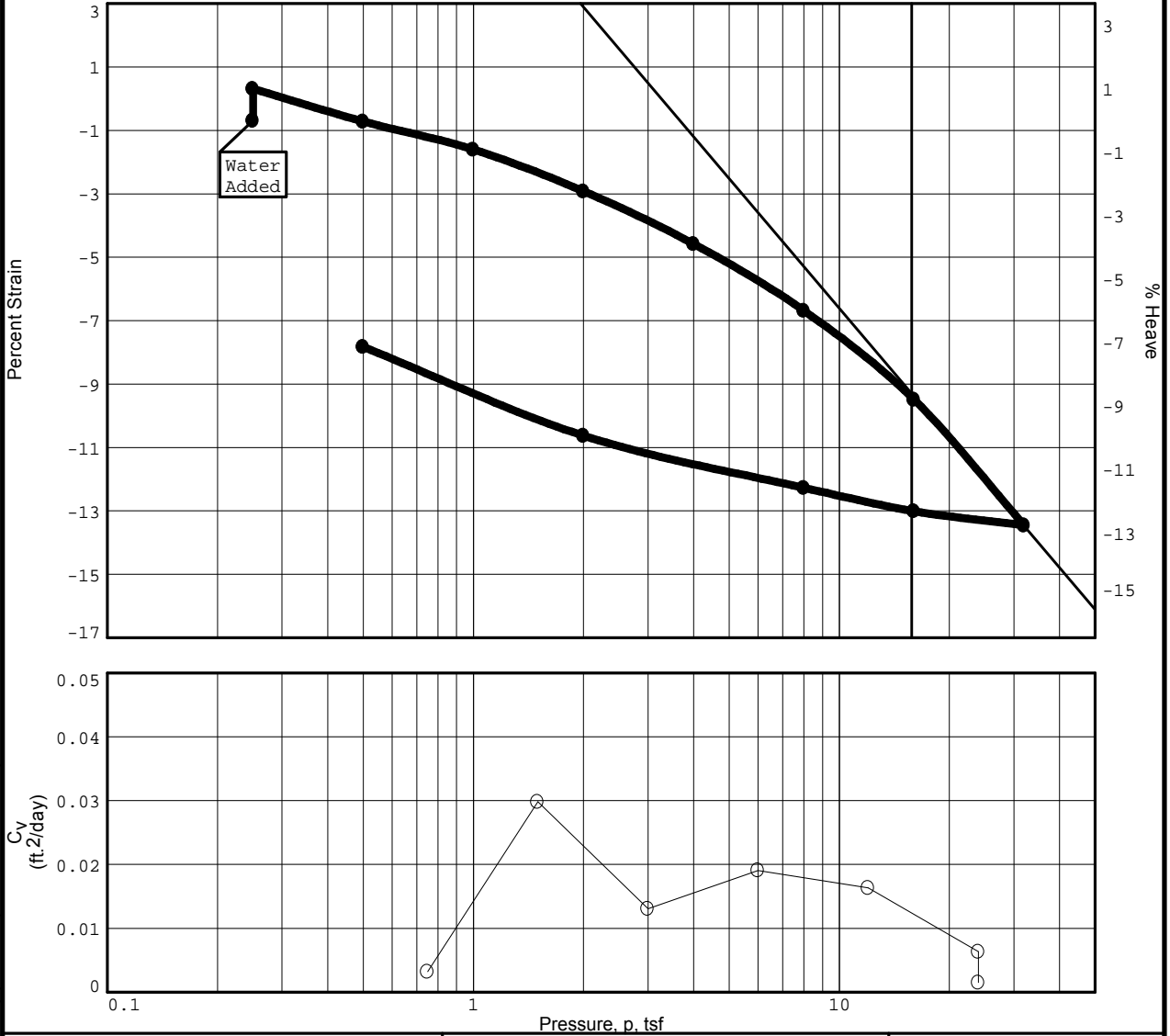
Client: County of Berthoud
Project: Berthoud County Landfill Expansion

Project No.: P91003-24

Figure

These results are for the exclusive use of the client for whom they were obtained. They apply only to the samples tested and are not indicative of apparently identical samples.

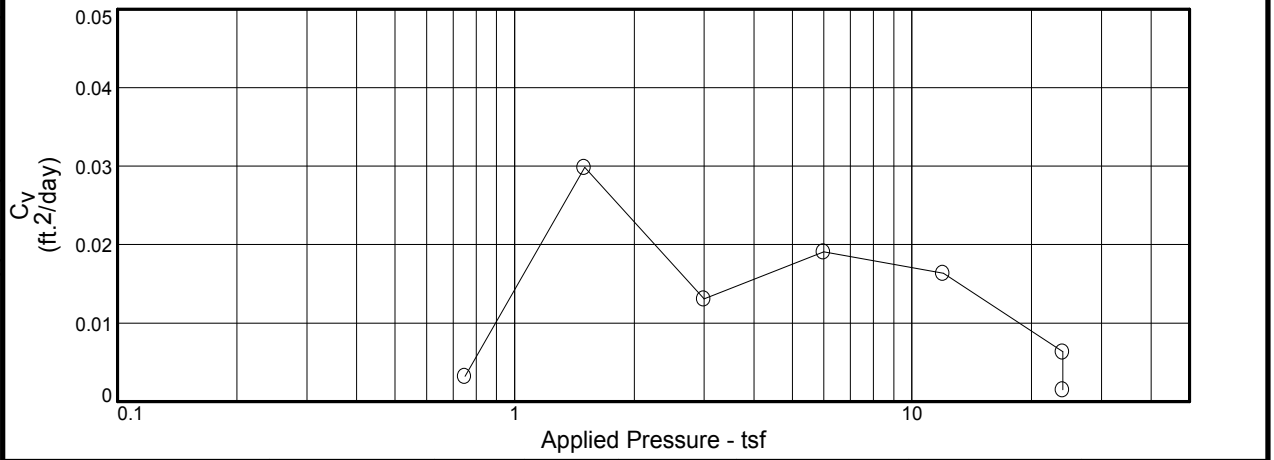
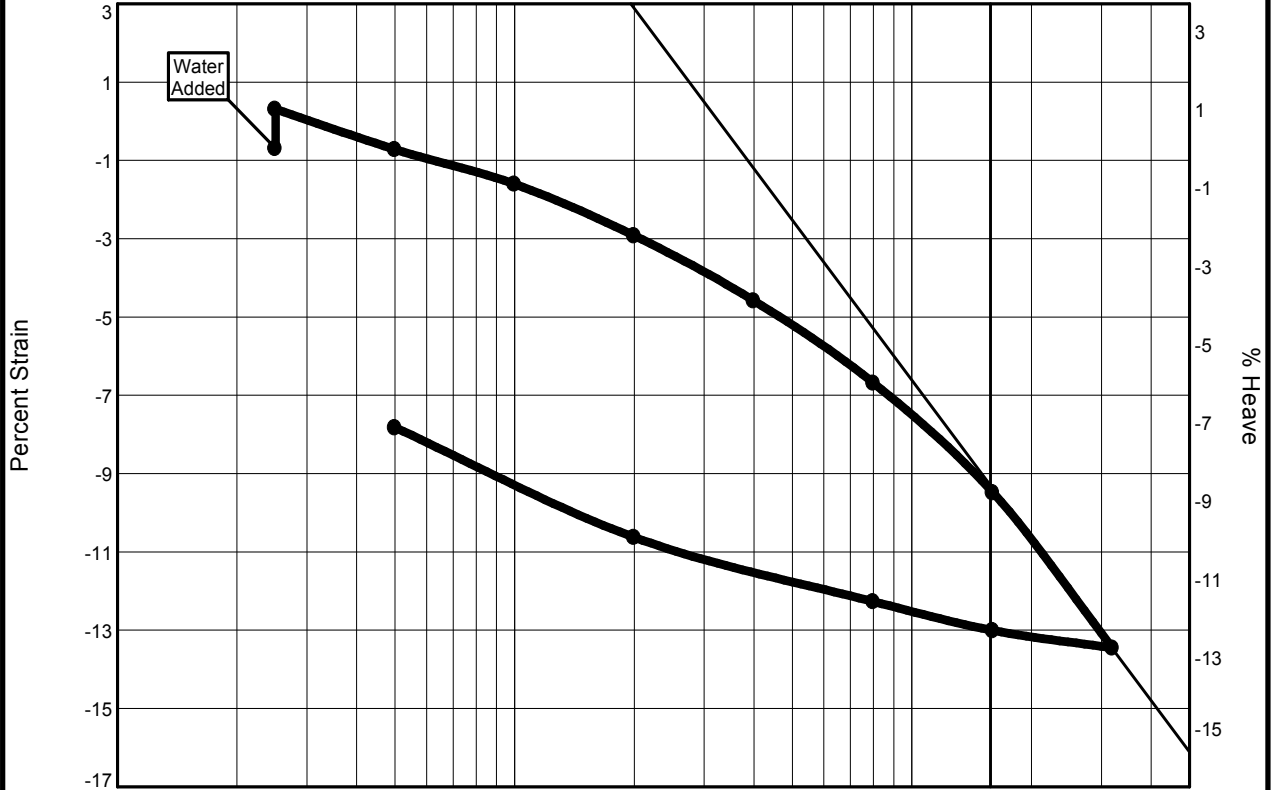
CONSOLIDATION TEST REPORT



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Material Dark Brown Sandy Lean Clay w/ Organics & Rubble		Before Test		After Test				
		Water Content, w_o	19.6	%	w_f	18.9	%	
Overburden Pressure, p_{o2}	(tsf)	Void Ratio, e_o	1.414		e_f	1.225		
Preconsol. Pressure, p_c	16.30	Saturation, s_o	38.2	%	s_f	19.9	%	
Compression Index, c_c	0.33	Dry Density	71.2	(pcf)				
USCS	CL	AASHTO	A-6(11)				Project No. P91003-24 Client County of Berthoud	
LL	34	Gs	2.752				Project Berthoud County Landfill Expansion	
PL	14	D_{10}						
Remarks		Boring No.	Boring B-2		Sample No.	S-1		
		Depth/El.	0-2.5'		Date	4.June.2003		
Figure		Organization Name Goes Here						

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (tsf)	P_c (tsf)	Initial Void Ratio
Saturation	Moisture							
38.2 %	19.6 %	71.2	34	20	2.752	2	16.30	1.414

MATERIAL DESCRIPTION		USCS	AASHTO
Dark Brown Sandy Lean Clay w/ Organics & Rubble		CL	A-6(11)

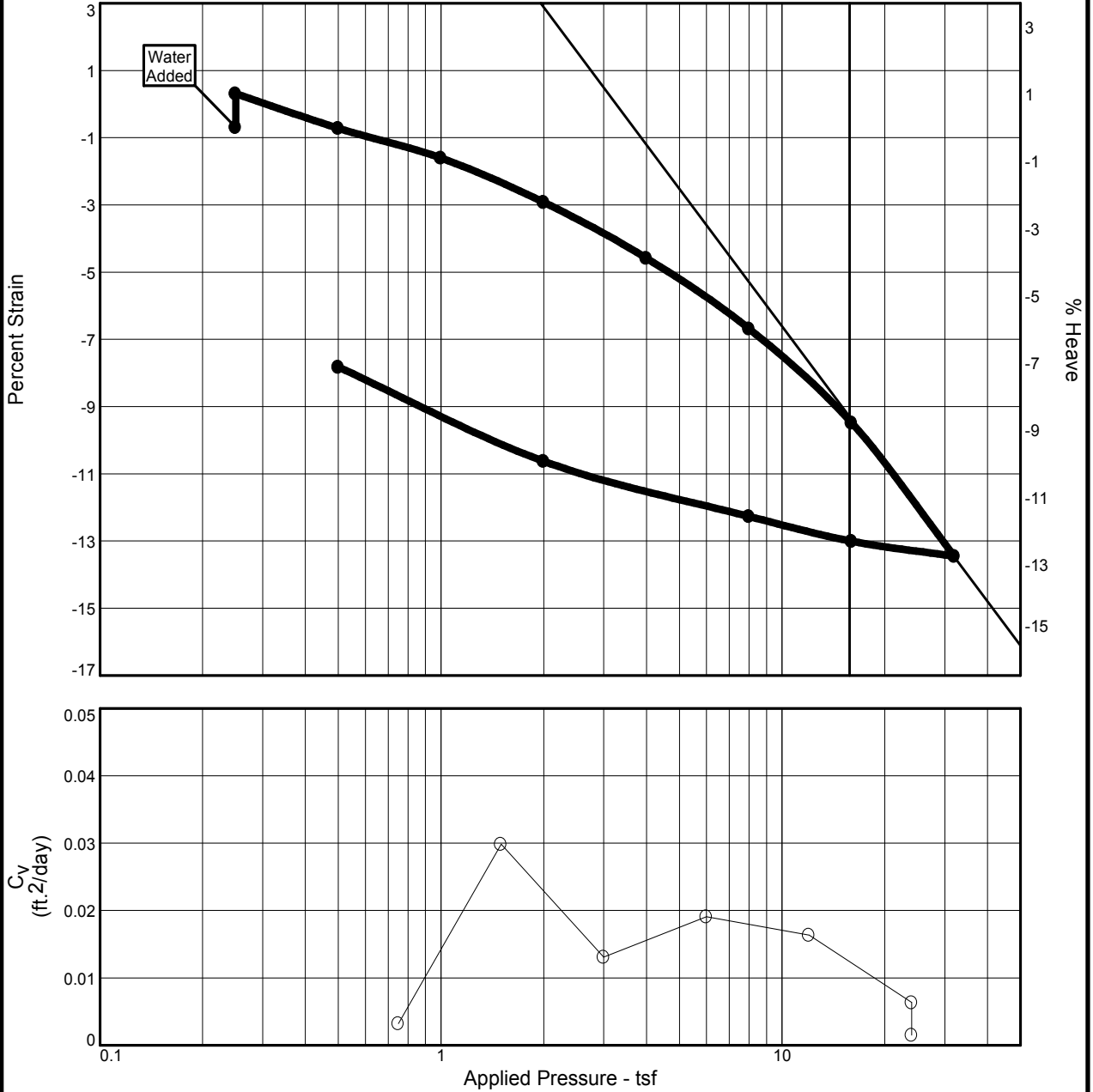
Project No. P91003-24	Client: County of Berthoud	Remarks:
Project: Berthoud County Landfill Expansion		
Source of Sample: Boring B-2	Depth: 0-2.5' Sample Number: S-1	

Organization Name Goes Here

Figure

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CONSOLIDATION TEST REPORT



These results are for the exclusive use of the client for whom they were obtained. They apply only to the samples tested and are not indicative of apparently identical samples.

Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	P _c (tsf)	C _c	Initial Void Ratio
Saturation	Moisture							
38.2 %	19.6 %	71.2	34	20	2.752	16.30	0.33	1.414

MATERIAL DESCRIPTION		USCS	AASHTO
Dark Brown Sandy Lean Clay w/ Organics & Rubble		CL	A-6(11)

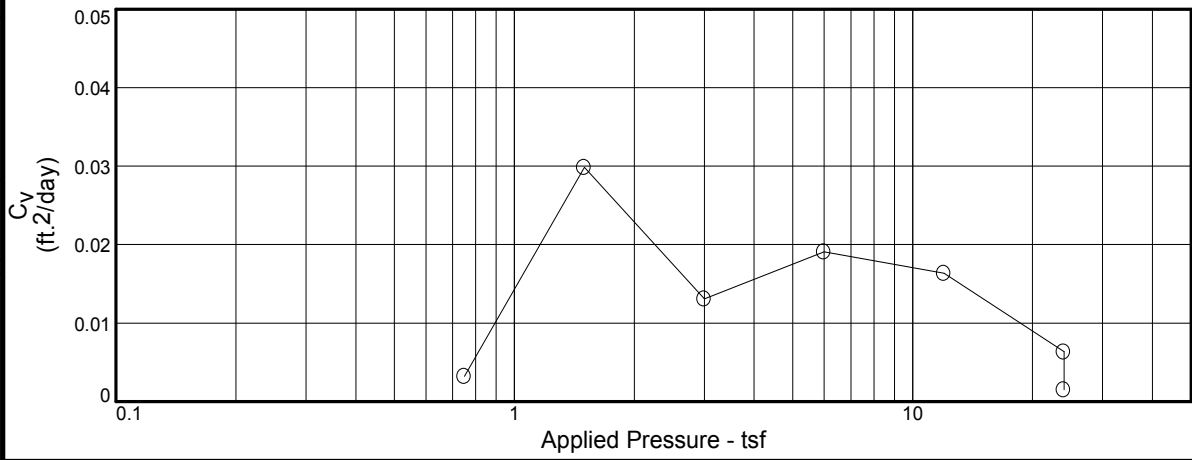
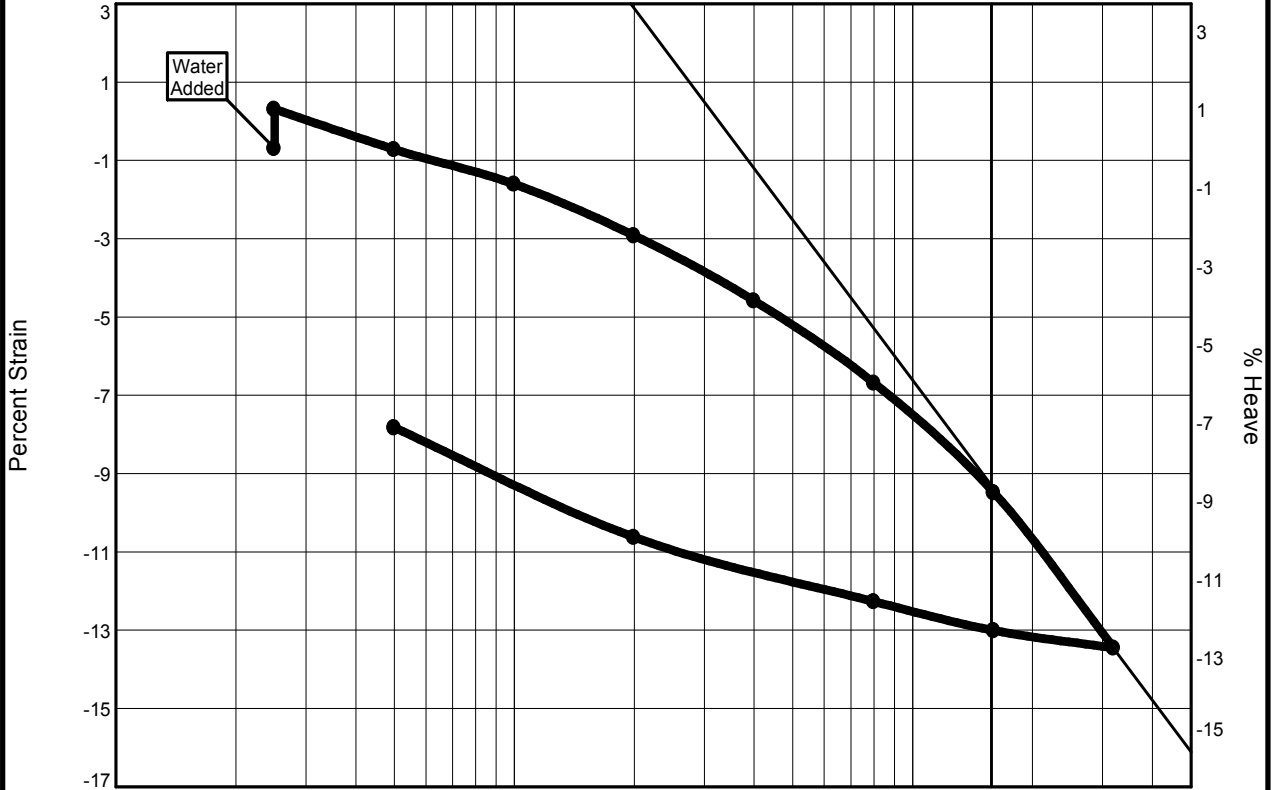
Project No. P91003-24 **Client:** County of Berthoud
Project: Berthoud County Landfill Expansion
Source of Sample: Boring B-2 **Depth:** 0-2.5' **Sample Number:** S-1

Remarks:

Organization Name Goes Here

Figure

CONSOLIDATION TEST REPORT



	Natural								
Saturation	Moisture	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (tsf)	P _C (tsf)	C _C	Initial Void Ratio
38.2 %	19.6 %	71.2	34	20	2.752	2	16.30	0.33	1.414

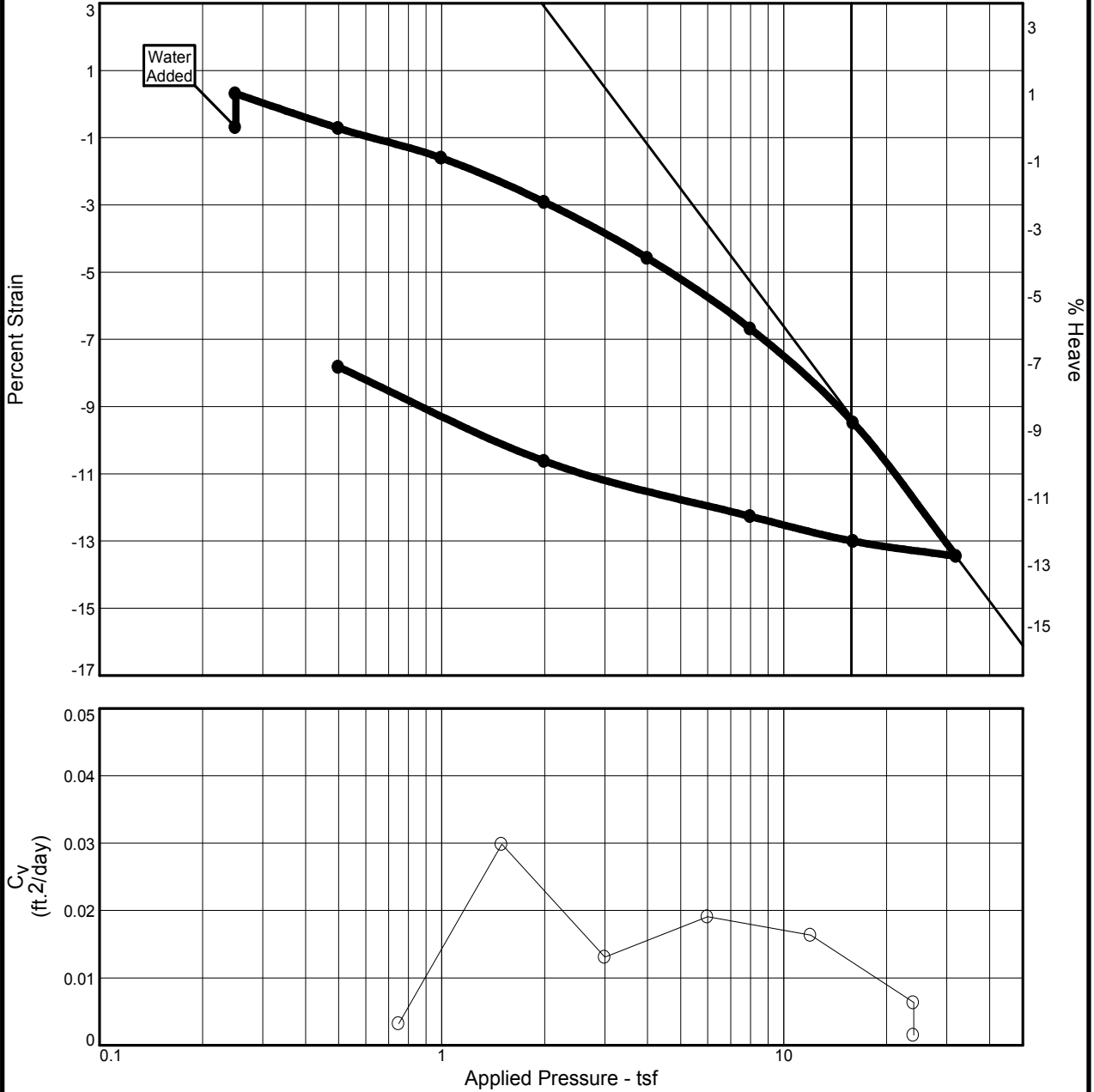
MATERIAL DESCRIPTION	USCS	AASHTO
Dark Brown Sandy Lean Clay w/ Organics & Rubble	CL	A-6(11)

Project No. P91003-24 Client: County of Berthoud Project: Berthoud County Landfill Expansion Source of Sample: Boring B-2 Depth: 0-2.5' Sample Number: S-1	Remarks:
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Organization Name Goes Here	Figure
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CONSOLIDATION TEST REPORT



These results are for the exclusive use of the client for whom they were obtained. They apply only to the samples tested and are not indicative of apparently identical samples.

	Natural									
Saturation	Moisture	Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (tsf)	P _c (tsf)	C _c	C _r	Initial Void Ratio
38.2 %	19.6 %	71.2	34	20	2.752	2	16.30	0.33	0.07	1.414

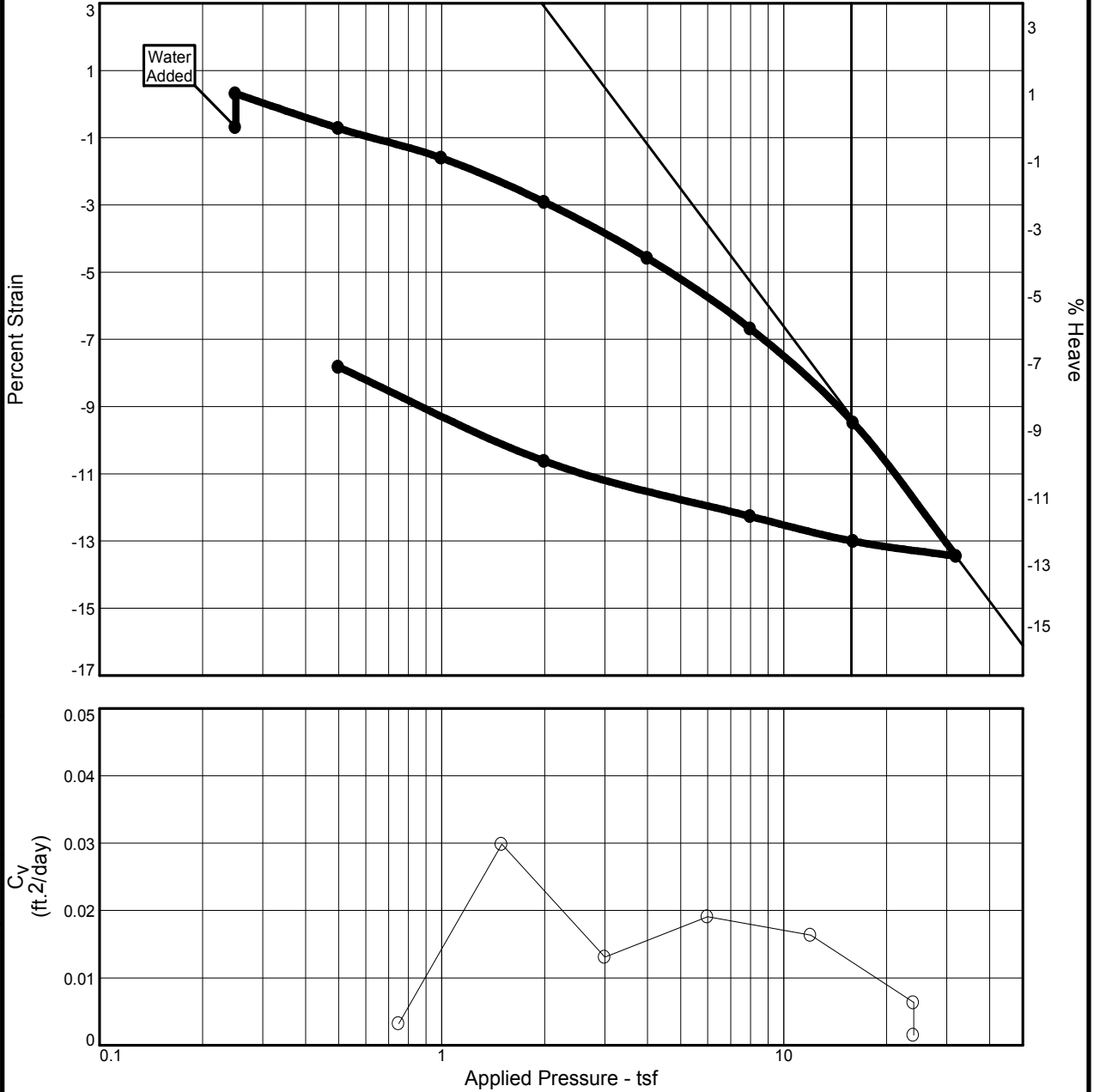
MATERIAL DESCRIPTION	USCS	AASHTO
Dark Brown Sandy Lean Clay w/ Organics & Rubble	CL	A-6(11)

Project No. P91003-24 Client: County of Berthoud Project: Berthoud County Landfill Expansion Source of Sample: Boring B-2 Depth: 0-2.5' Sample Number: S-1	Remarks:
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Organization Name Goes Here

Figure

CONSOLIDATION TEST REPORT



These results are for the exclusive use of the client for whom they were obtained. They apply only to the samples tested and are not indicative of apparently identical samples.

Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	Overburden (tsf)	P_c (tsf)	C_c	C_s	Swell Press. (tsf)	Heave %	e_o
Sat.	Moist.											
38.2 %	19.6 %	71.2	34	20	2.752	2	16.30	0.33	0.07	0.49	1.0	1.414

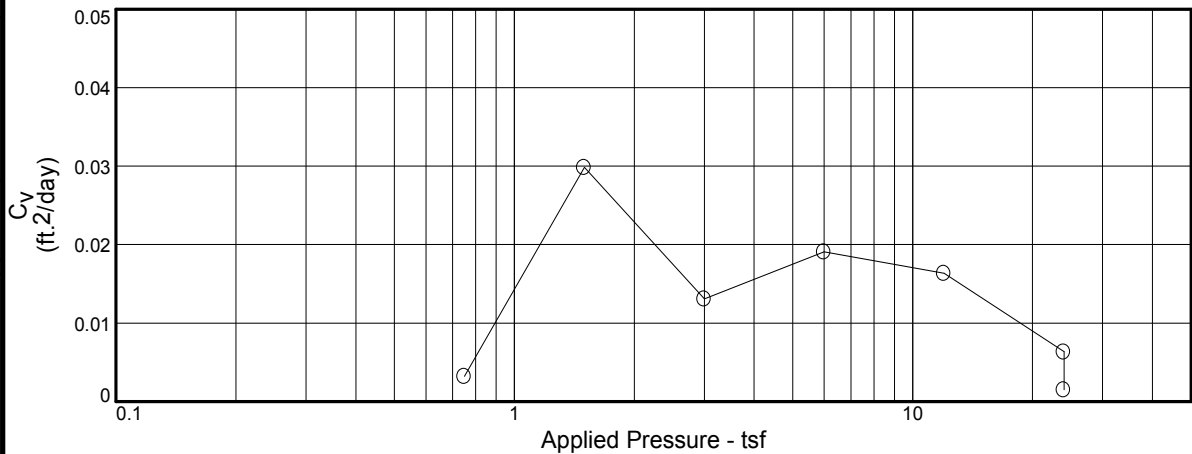
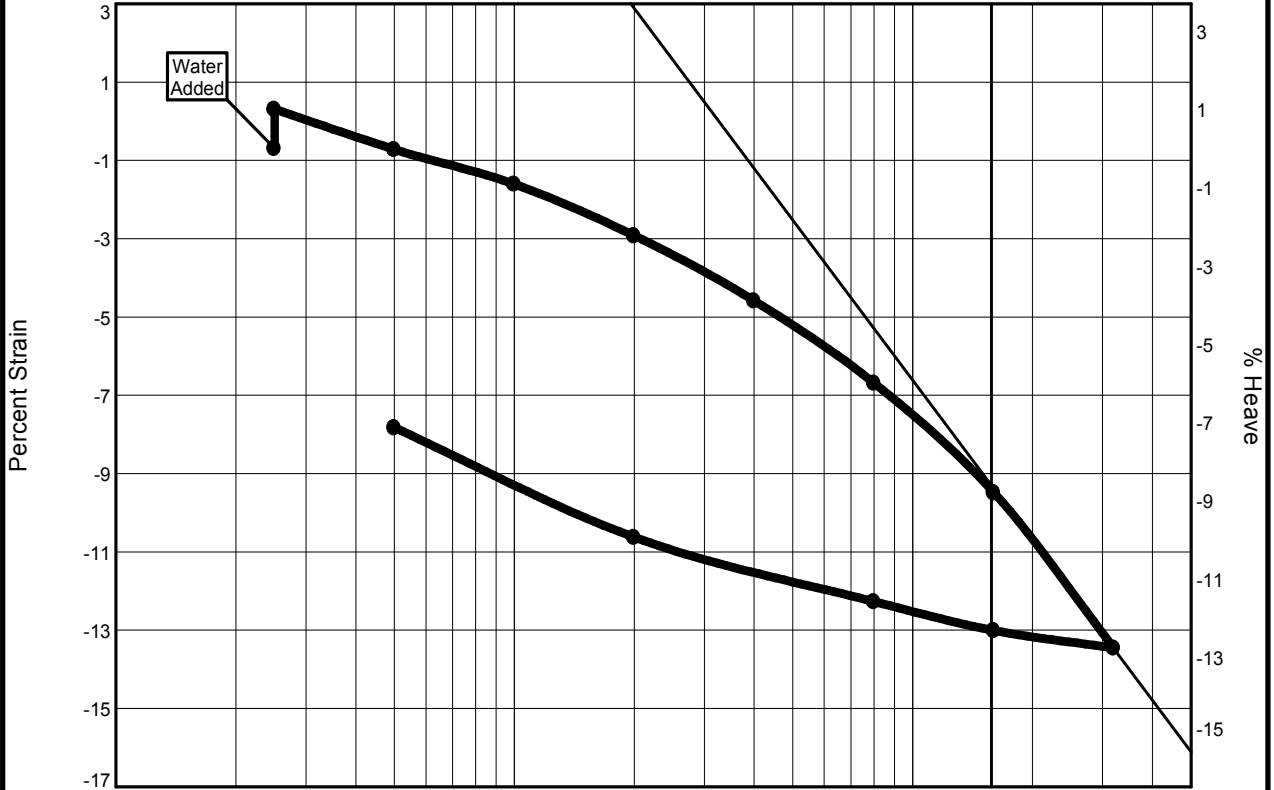
MATERIAL DESCRIPTION										USCS	AASHTO
Dark Brown Sandy Lean Clay w/ Organics & Rubble										CL	A-6(11)

Project No. P91003-24	Client: County of Berthoud	Remarks:
Project: Berthoud County Landfill Expansion		
Source of Sample: Boring B-2	Depth: 0-2.5' Sample Number: S-1	

Organization Name Goes Here

Figure

CONSOLIDATION TEST REPORT



Natural		Dry Dens. (pcf)	LL	PI	Sp. Gr.	USCS	AASHTO	Initial Void Ratio
Saturation								
38.2 %	19.6 %	71.2	34	20	2.752	CL	A-6(11)	1.414

MATERIAL DESCRIPTION

Dark Brown Sandy Lean Clay w/ Organics & Rubble

Project No. P91003-24 Client: County of Berthoud Project: Berthoud County Landfill Expansion Source of Sample: Boring B-2 Depth: 0-2.5' Sample Number: S-1	Remarks:
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Organization Name Goes Here

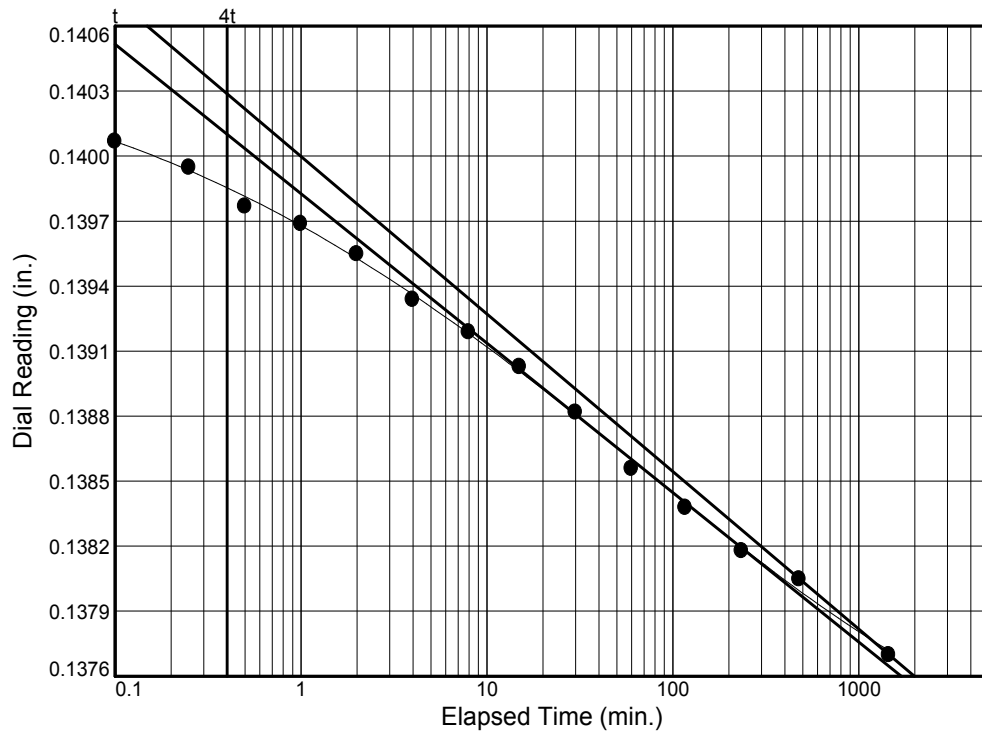
Figure

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Dial Reading vs. Time

Project No.: P91003-24
 Project: Berthoud County Landfill Expansion

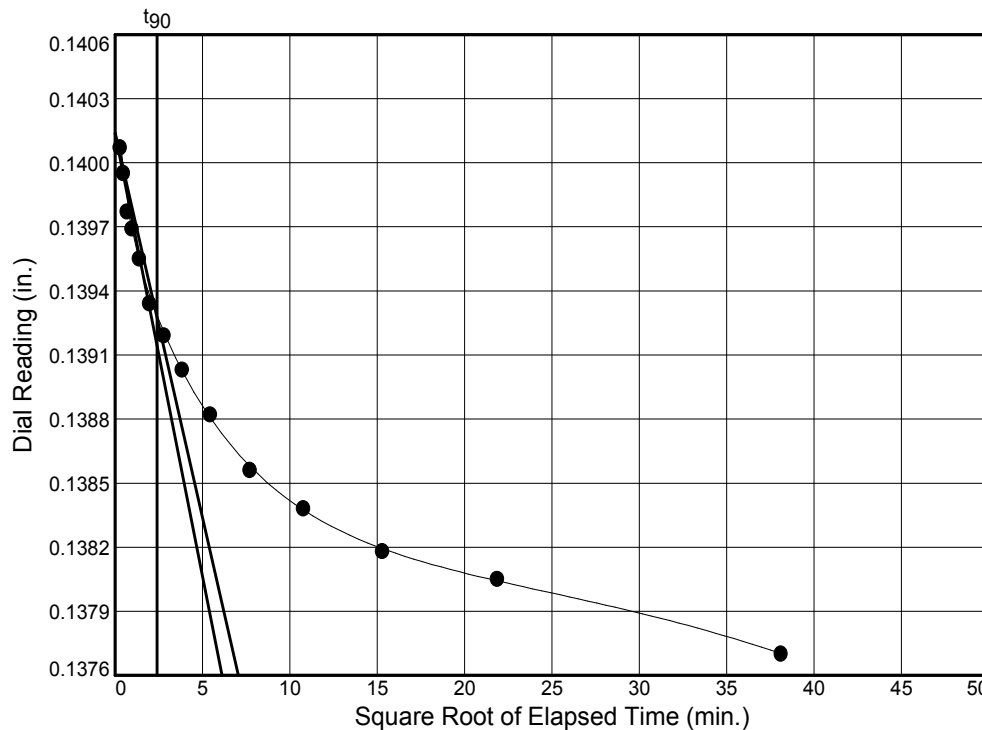
Source of Sample: Boring B-2 Depth: 0-2.5' Sample Number: S-1



Load No.= 3
 Load= 0.50 tsf
 $D_0 = 0.1403$
 $D_{50} = 0.1385$
 $D_{100} = 0.1366$
 $T_{50} = 98.08 \text{ min.}$

$C_v @ T_{50}$
 0.005 ft.²/day

$C_\alpha = 0.001$



Load No.= 3
 Load= 0.50 tsf
 $D_0 = 0.1401$
 $D_{90} = 0.1393$
 $D_{100} = 0.1392$
 $T_{90} = 5.78 \text{ min.}$

$C_v @ T_{90}$
 0.363 ft.²/day

Organization Name Goes Here

Figure

Dial Reading vs. Time

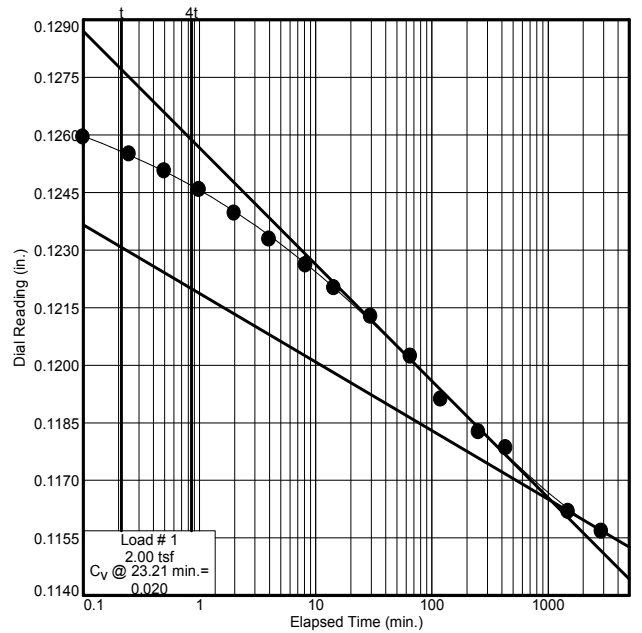
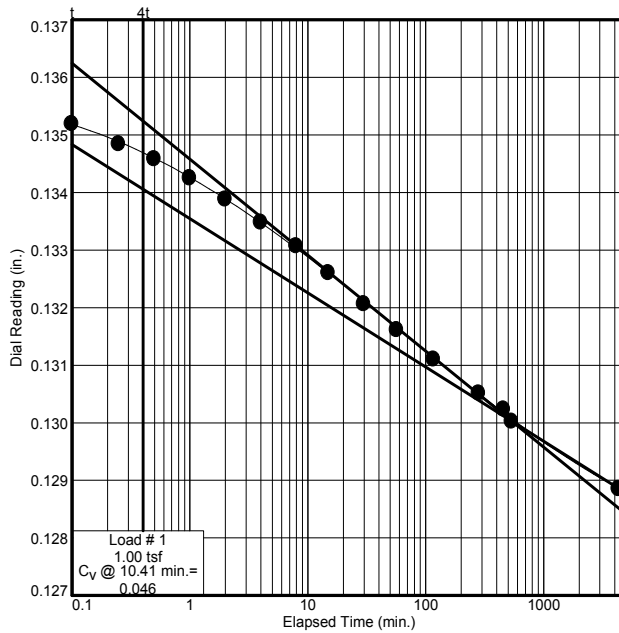
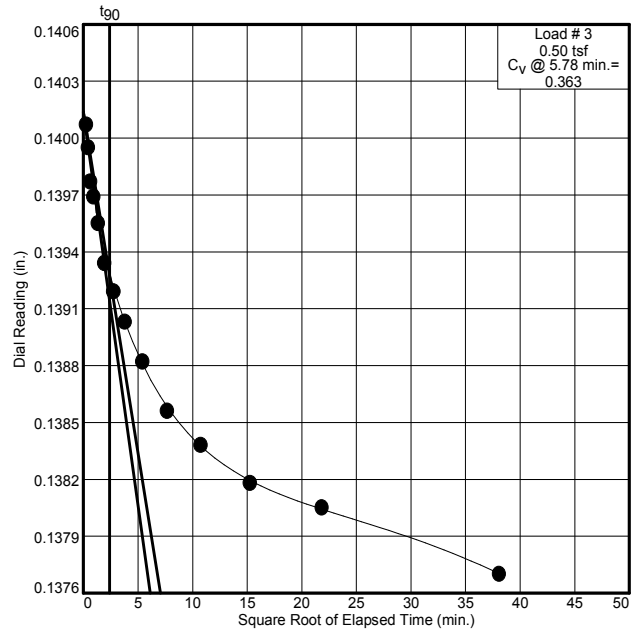
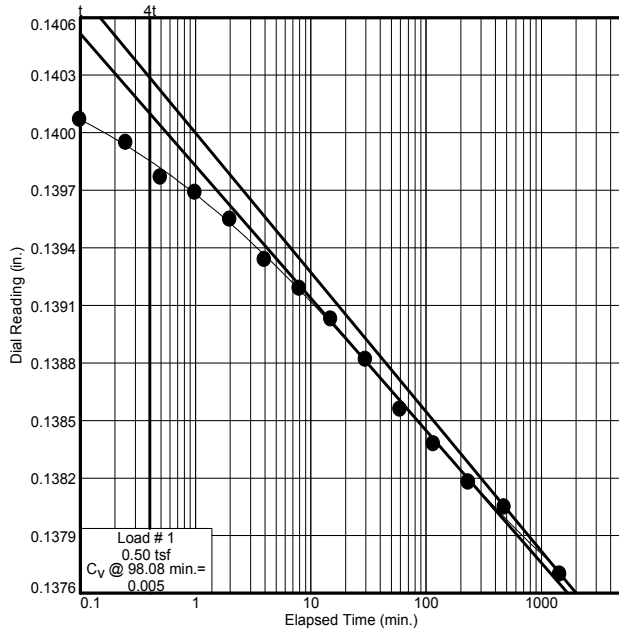
Project No.: P91003-24

Project: Berthoud County Landfill Expansion

Source of Sample: Boring B-2

Depth: 0-2.5'

Sample Number: S-1



Organization Name Goes Here

Figure