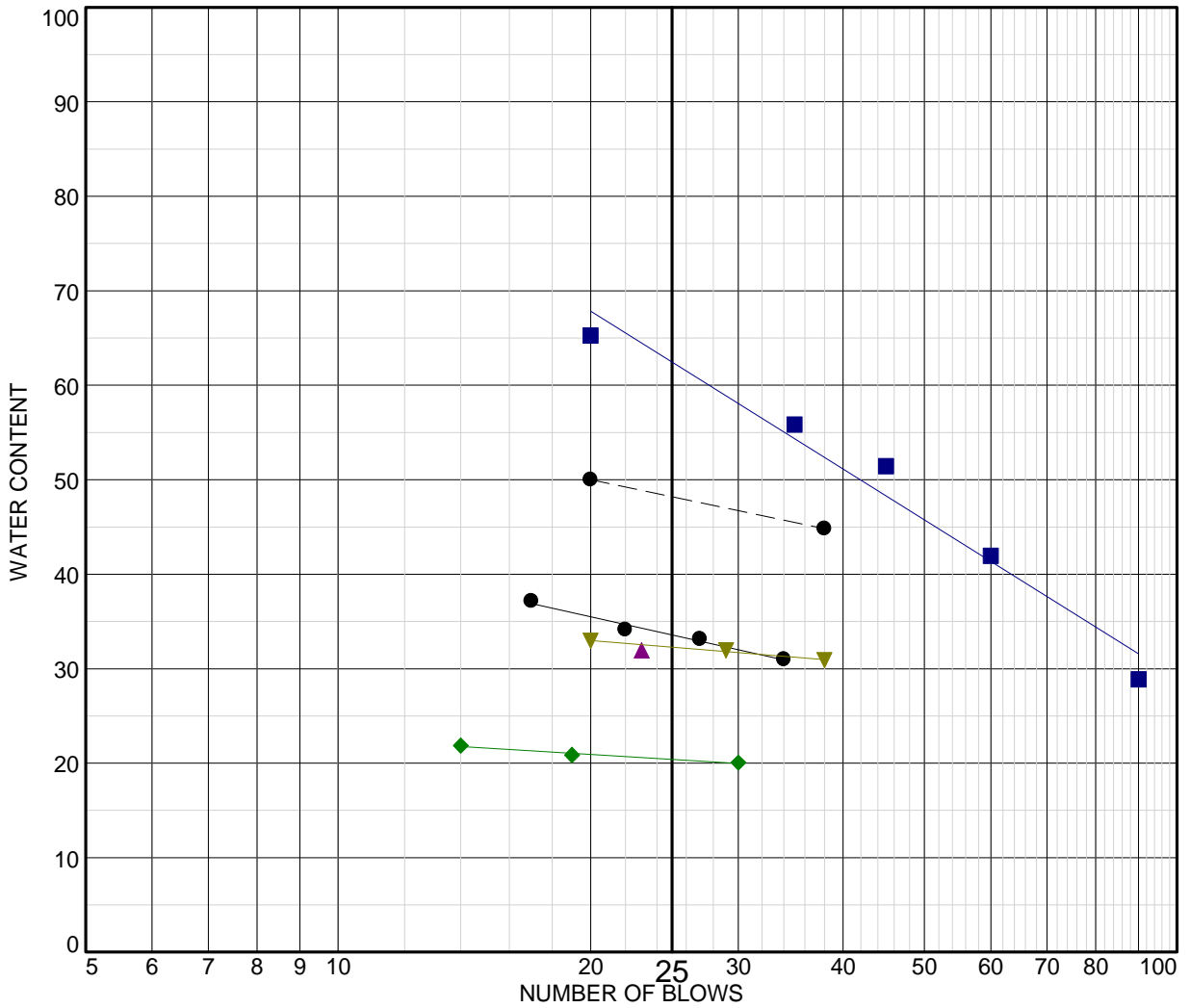


LIQUID AND PLASTIC LIMITS TEST REPORT



SOIL DATA								
SYMBOL	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2	S-1	0-5'	6.2	8	34	26	CL
■	Boring B-2	S-2	5-10'	5.7	20	62	42	OL
▲	Boring B-2	S-3	10-15'	5.3	16	32	16	OH
◆	Boring B-4	S-2	5-10'	6.1	18	20	2	CL-ML
▼	Boring B-5	S-1a	0-5'	11.5	15	32	17	ML

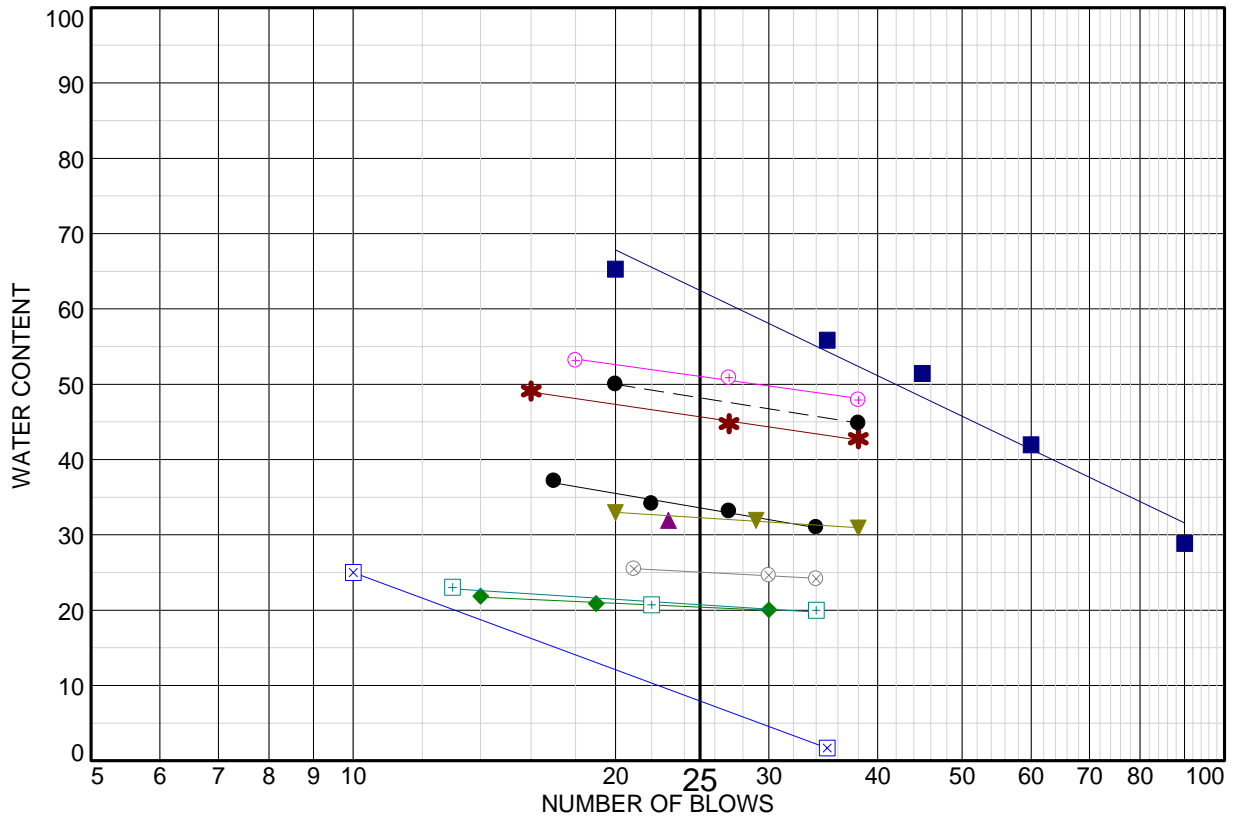
These results are for the exclusive use of the client for whom they were obtained. They apply only to the samples tested and are not indicative of apparently identical samples.

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

Figure F-22

LIQUID AND PLASTIC LIMITS TEST REPORT



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SOIL DATA								
	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	USCS
●	Boring B-2	S-1	0-5'	6.2	8	34	26	CL
■	Boring B-2	S-2	5-10'	5.7	20	62	42	OL
▲	Boring B-2	S-3	10-15'	5.3	16	32	16	OH
◆	Boring B-4	S-2	5-10'	6.1	18	20	2	CL-ML
▼	Boring B-5	S-1a	0-5'	11.5	15	32	17	ML
✱	Boring B-5	S-2	5-10'	6.7	20	46	26	SC-SM
⊕	Boring B-5	S-3	10-15'	12.4	22	51	29	ML
⊞	Boring B-7	S-1	0-5'	2.4	12	21	9	CL-ML
⊗	TP-2	S-1	0-2.5'	7.5	15	25	10	CL/CH
⊠	TP-2	A-1	Grade	22.4	4	8	4	MH

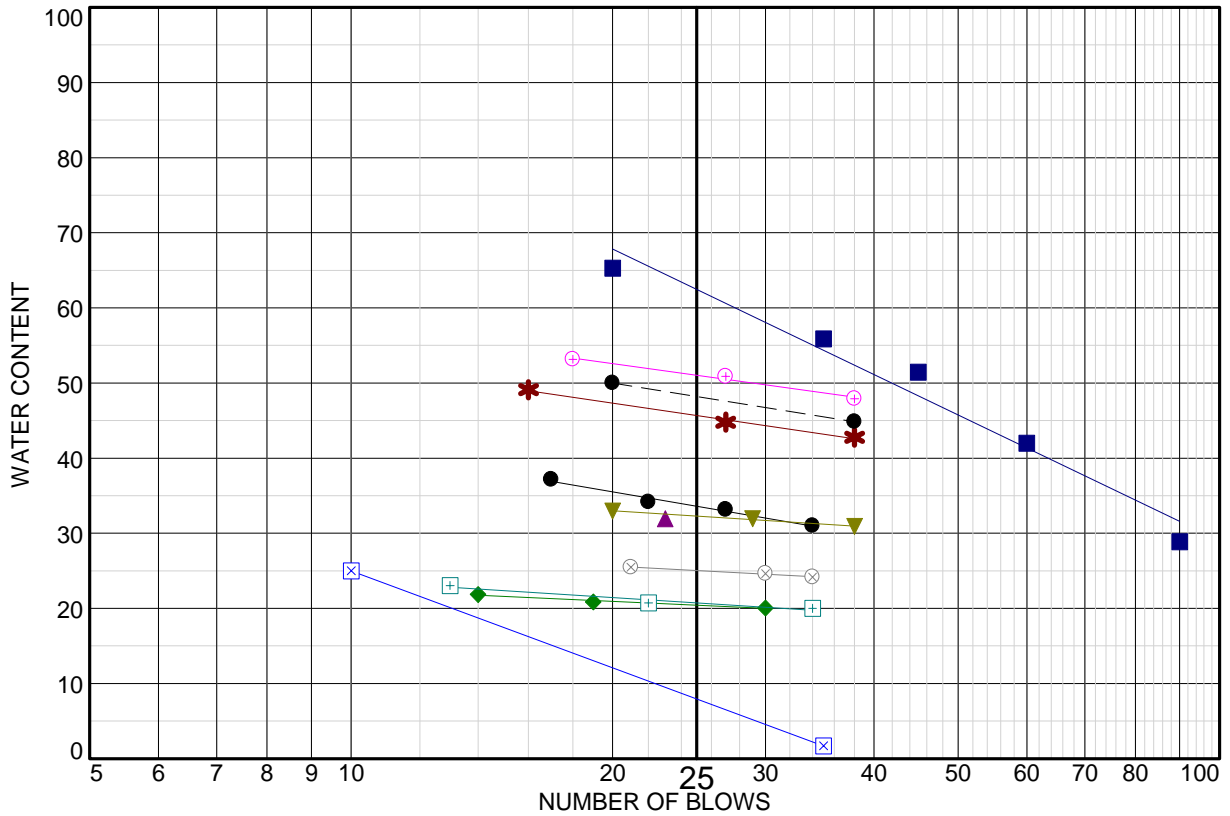
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Client: County of Berthoud
Project: Berthoud County Landfill Expansion

Project No.: P91003-24

Figure F-22

LIQUID AND PLASTIC LIMITS TEST REPORT



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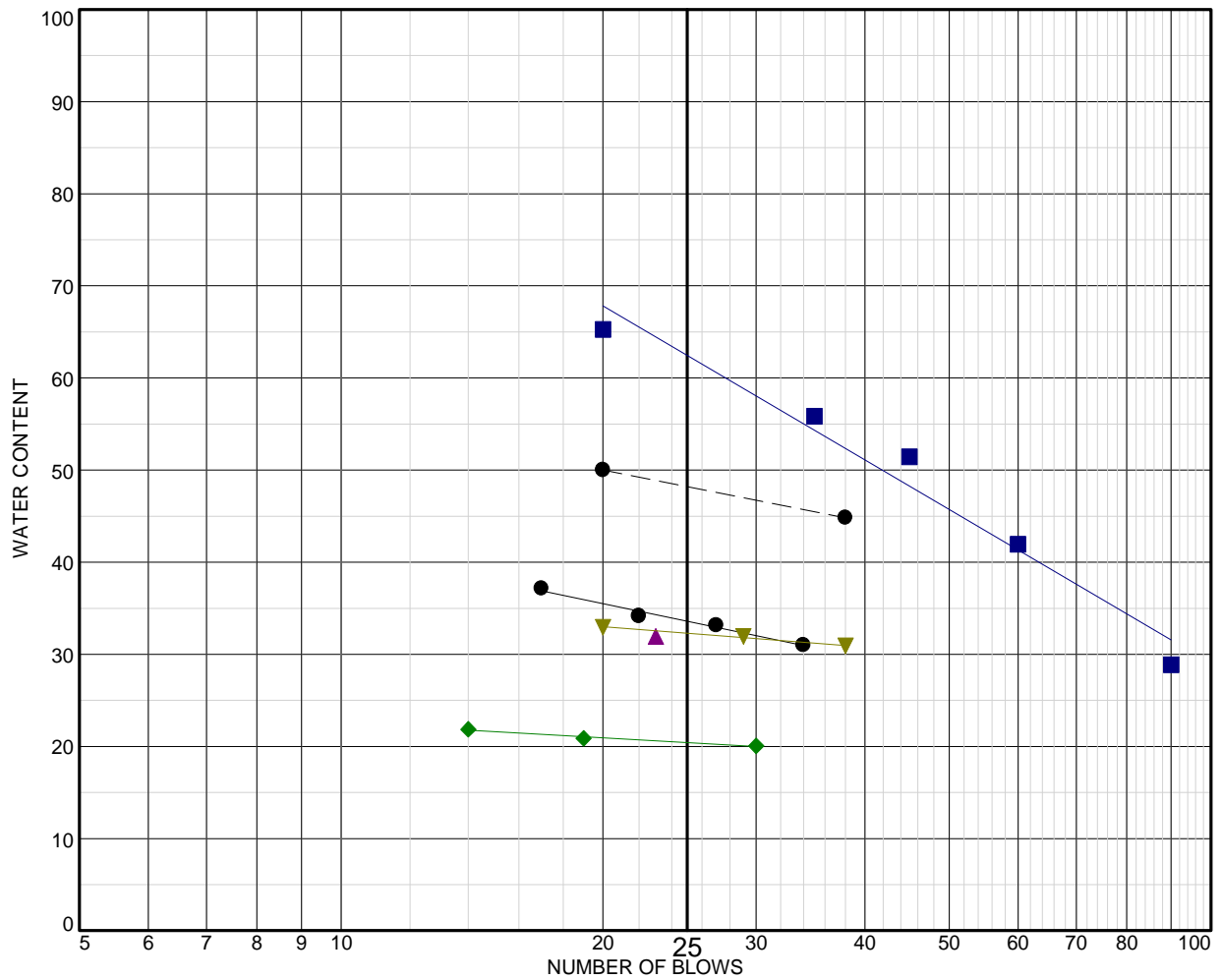
SOIL DATA									
	SOURCE	SAMPLE NO.	DEPTH	NATURAL WATER CONTENT (%)	PLASTIC LIMIT (%)	LIQUID LIMIT (%)	PLASTICITY INDEX (%)	LIQUIDITY INDEX	USCS
●	Boring B-2	S-1	0-5'	6.2	8	34	26	-0.1	CL
■	Boring B-2	S-2	5-10'	5.7	20	62	42	-0.3	OL
▲	Boring B-2	S-3	10-15'	5.3	16	32	16	-0.7	OH
◆	Boring B-4	S-2	5-10'	6.1	18	20	2	-6.0	CL-ML
▼	Boring B-5	S-1a	0-5'	11.5	15	32	17	-0.2	ML
*	Boring B-5	S-2	5-10'	6.7	20	46	26	-0.5	SC-SM
⊕	Boring B-5	S-3	10-15'	12.4	22	51	29	-0.3	ML
⊞	Boring B-7	S-1	0-5'	2.4	12	21	9	-1.1	CL-ML
⊙	TP-2	S-1	0-2.5'	7.5	15	25	10	-0.8	CL/CH
⊠	TP-2	A-1	Grade	22.4	4	8	4	4.6	MH

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

Figure F-22

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Dark Brown Sandy Lean Clay w/ Organics & Rubble	34	8	26	82	20	CL
■	Dark Gray Sandy Clay Loam Trace Gravel (Till)	62	20	42	76	24	OL
▲	Grayish Brown Sandy Loam (Alluvium)	32	16	16	60	45	OH
◆	Dark Brown Silty Lean Clay	20	18	2	59	34	CL-ML
▼	Clayey Silt, Trace Sand	32	15	17	91	42	ML

Project No. P91003-24 **Client:** County of Berthoud
Project: Berthoud County Landfill Expansion

● Source of Sample: Boring B-2 **Depth:** 0-5' **Sample Number:** S-1
■ Source of Sample: Boring B-2 **Depth:** 5-10' **Sample Number:** S-2
▲ Source of Sample: Boring B-2 **Depth:** 10-15' **Sample Number:** S-3
◆ Source of Sample: Boring B-4 **Depth:** 5-10' **Sample Number:** S-2
▼ Source of Sample: Boring B-5 **Depth:** 0-5' **Sample Number:** S-1a

Remarks:

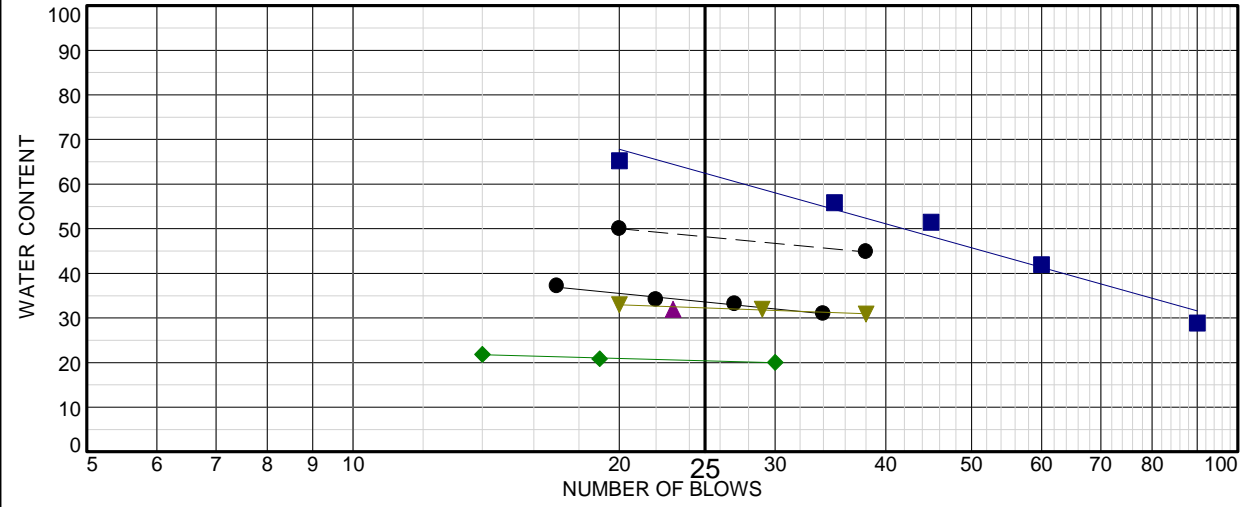
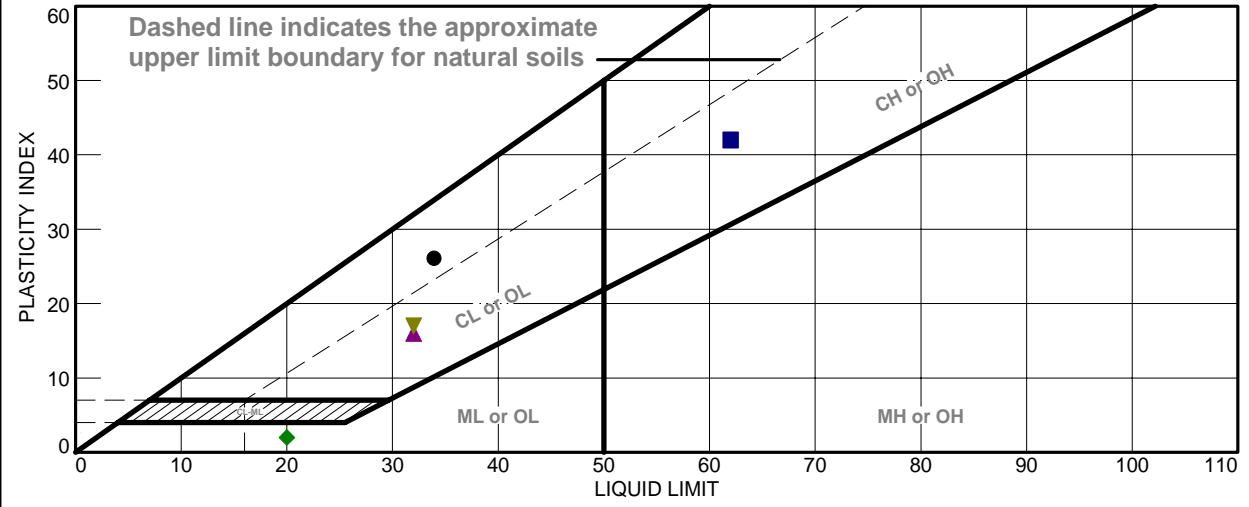
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Figure F-22

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LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Dark Brown Sandy Lean Clay w/ Organics & Rubble	34	8	26	82	20	CL
■	Dark Gray Sandy Clay Loam Trace Gravel (Till)	62	20	42	76	24	OL
▲	Grayish Brown Sandy Loam (Alluvium)	32	16	16	60	45	OH
◆	Dark Brown Silty Lean Clay	20	18	2	59	34	CL-ML
▼	Clayey Silt, Trace Sand	32	15	17	91	42	ML

Project No. P91003-24 **Client:** County of Berthoud
Project: Berthoud County Landfill Expansion

● **Source of Sample:** Boring B-2 **Depth:** 0-5' **Sample Number:** S-1
■ **Source of Sample:** Boring B-2 **Depth:** 5-10' **Sample Number:** S-2
▲ **Source of Sample:** Boring B-2 **Depth:** 10-15' **Sample Number:** S-3
◆ **Source of Sample:** Boring B-4 **Depth:** 5-10' **Sample Number:** S-2
▼ **Source of Sample:** Boring B-5 **Depth:** 0-5' **Sample Number:** S-1a

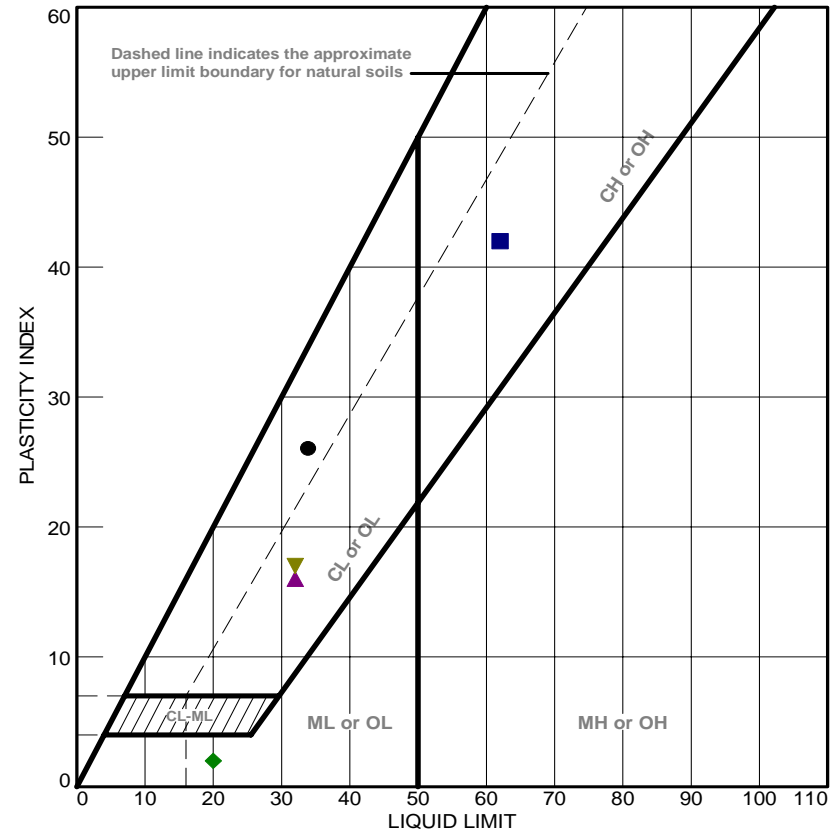
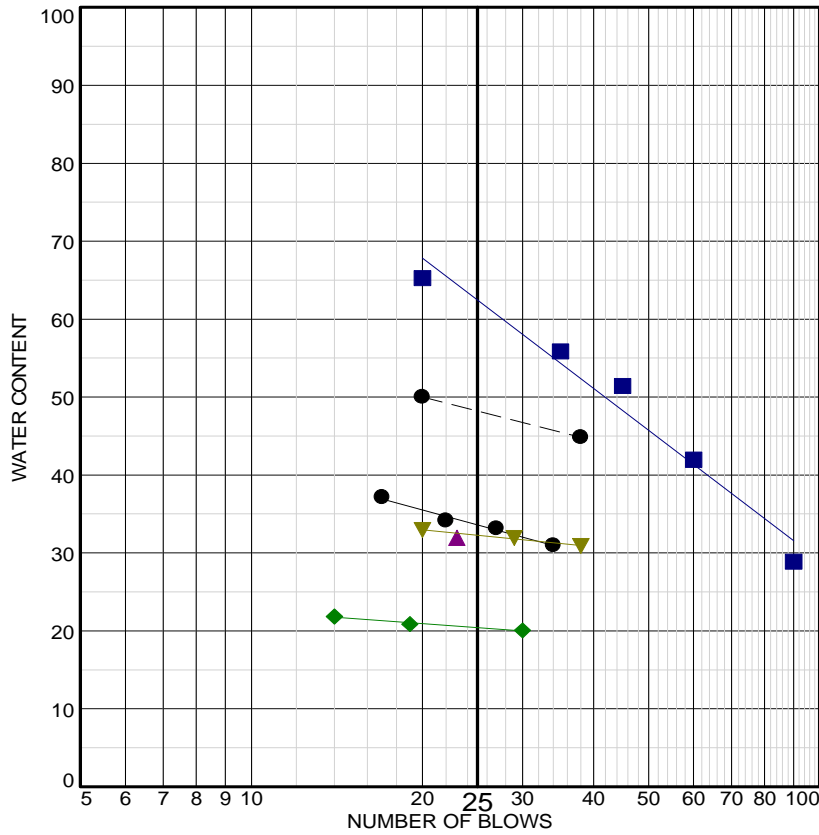
Remarks:

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Figure F-22

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LIQUID AND PLASTIC LIMITS TEST REPORT



SOURCE	SAMPLE #	DEPTH/ELEV.	DATE SAMPLED	USCS	MATERIAL DESCRIPTION	NM %	LL	PI
Boring B-2	S-1	0-5'	4.June.2003	CL	Dark Brown Sandy Lean Clay w/ Organics & Rubble	6.2	34	26
Boring B-2	S-2	5-10'	6.June.2003	OL	Dark Gray Sandy Clay Loam Trace Gravel (Till)	5.7	62	42
Boring B-2	S-3	10-15'	6.June.2003	OH	Grayish Brown Sandy Loam (Alluvium)	5.3	32	16
Boring B-4	S-2	5-10'	7.June.2003	CL-ML	Dark Brown Silty Lean Clay	6.1	20	2
Boring B-5	S-1a	0-5'	10.June.2003	ML	Clayey Silt, Trace Sand	11.5	32	17

Client County of Berthoud		<h1>ALV ENGINEERS</h1>
Project Berthoud County Landfill Expansion		
Project No. P91003-24	Figure F-22	