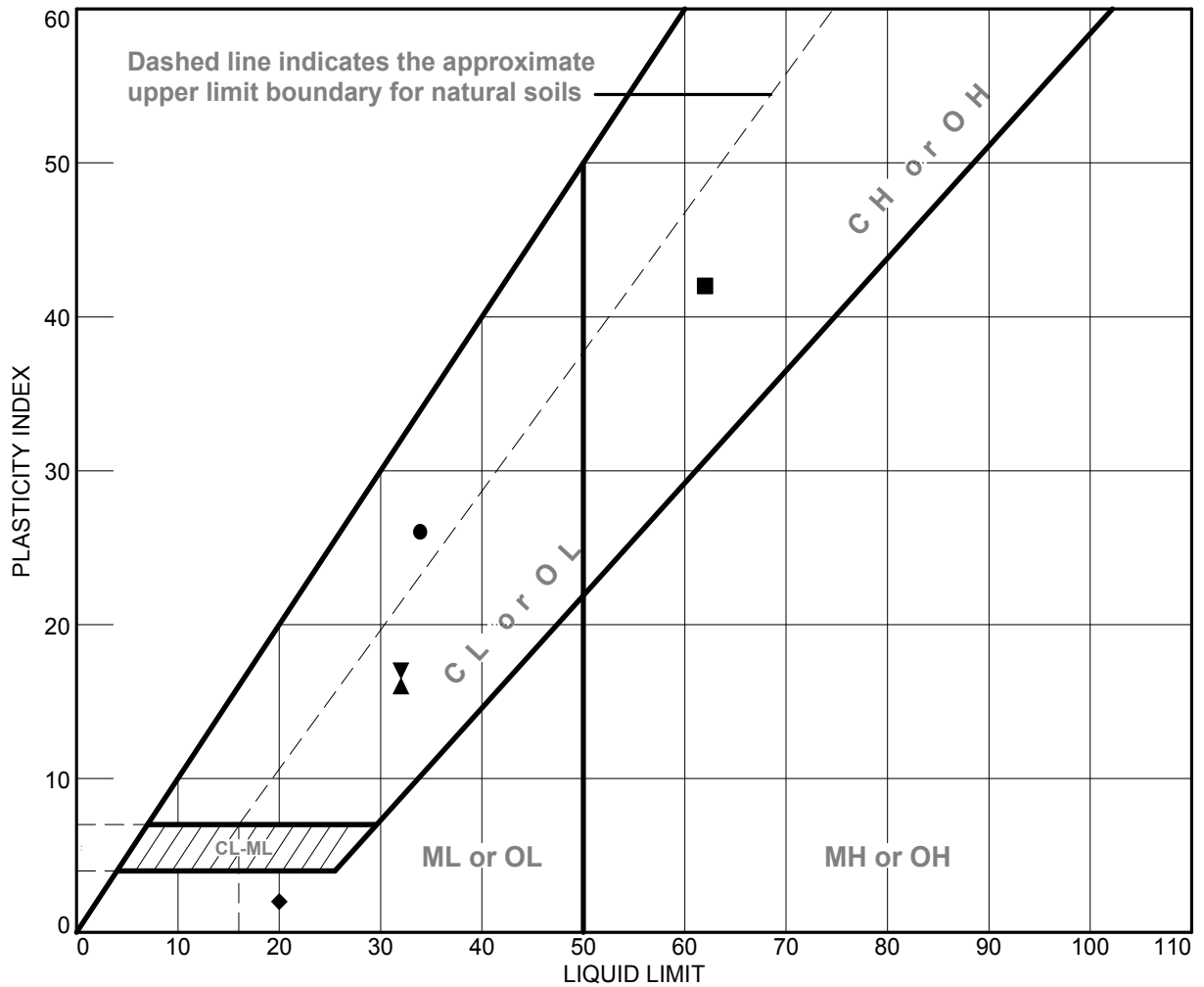


LIQUID AND PLASTIC LIMITS TEST REPORT

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.



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

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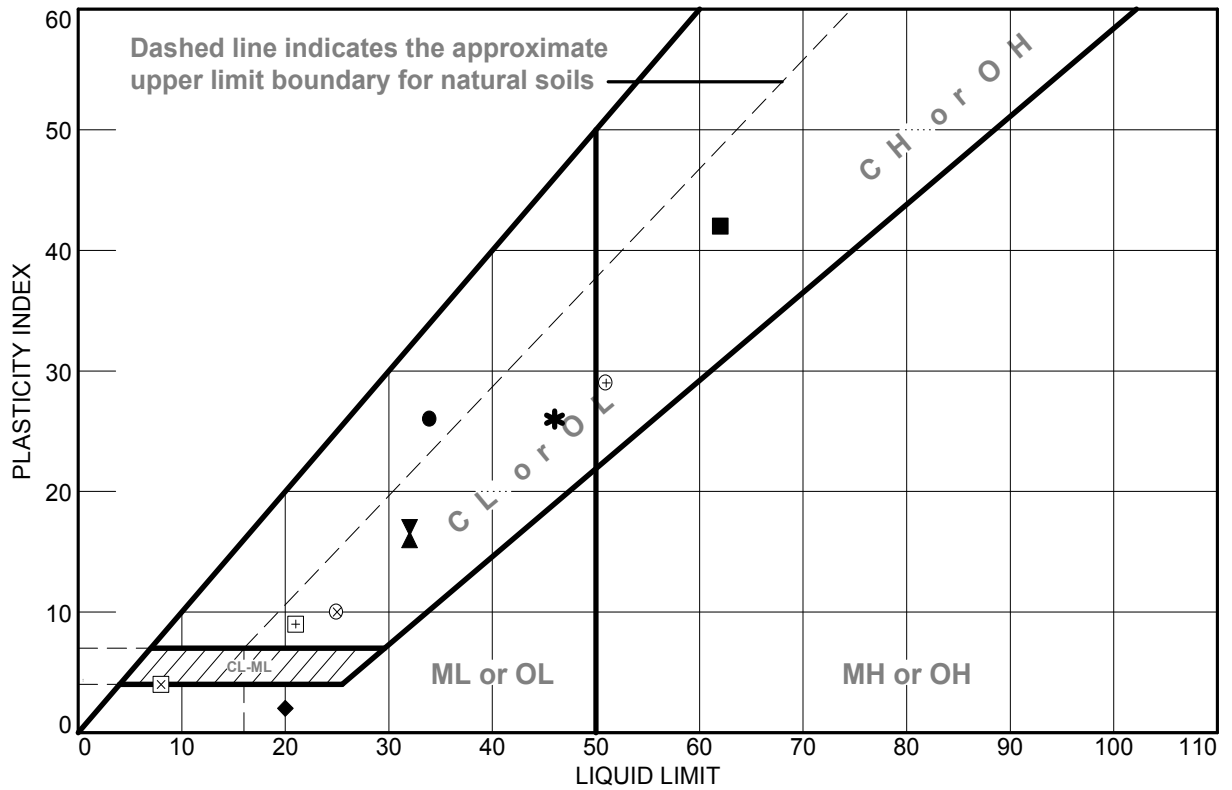
Client: County of Berthoud
Project: Berthoud County Landfill Expansion

Project No.: P91003-24

Figure F-22

Tested By: _____ **Checked By:** _____

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

ALV ENGINEERS

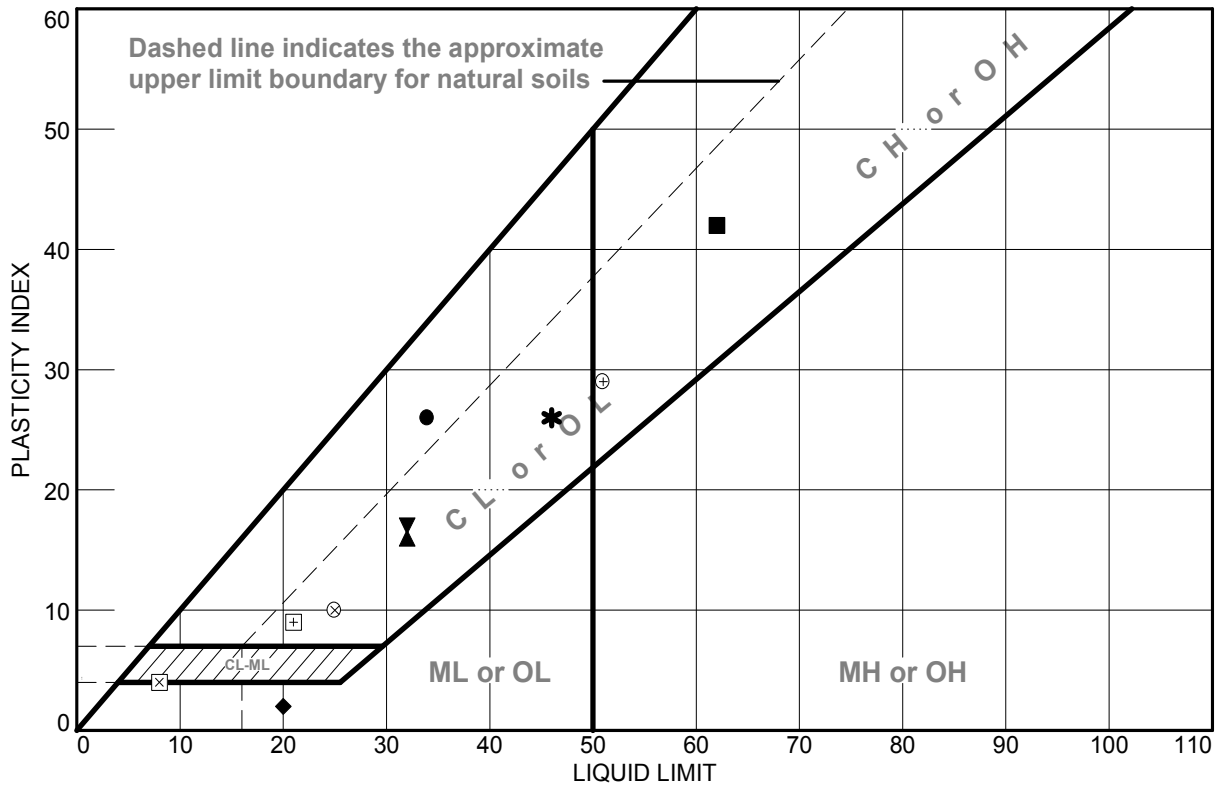
Client: County of Berthoud
Project: Berthoud County Landfill Expansion

Project No.: P91003-24

Figure F-22

Tested By: _____ **Checked By:** _____

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

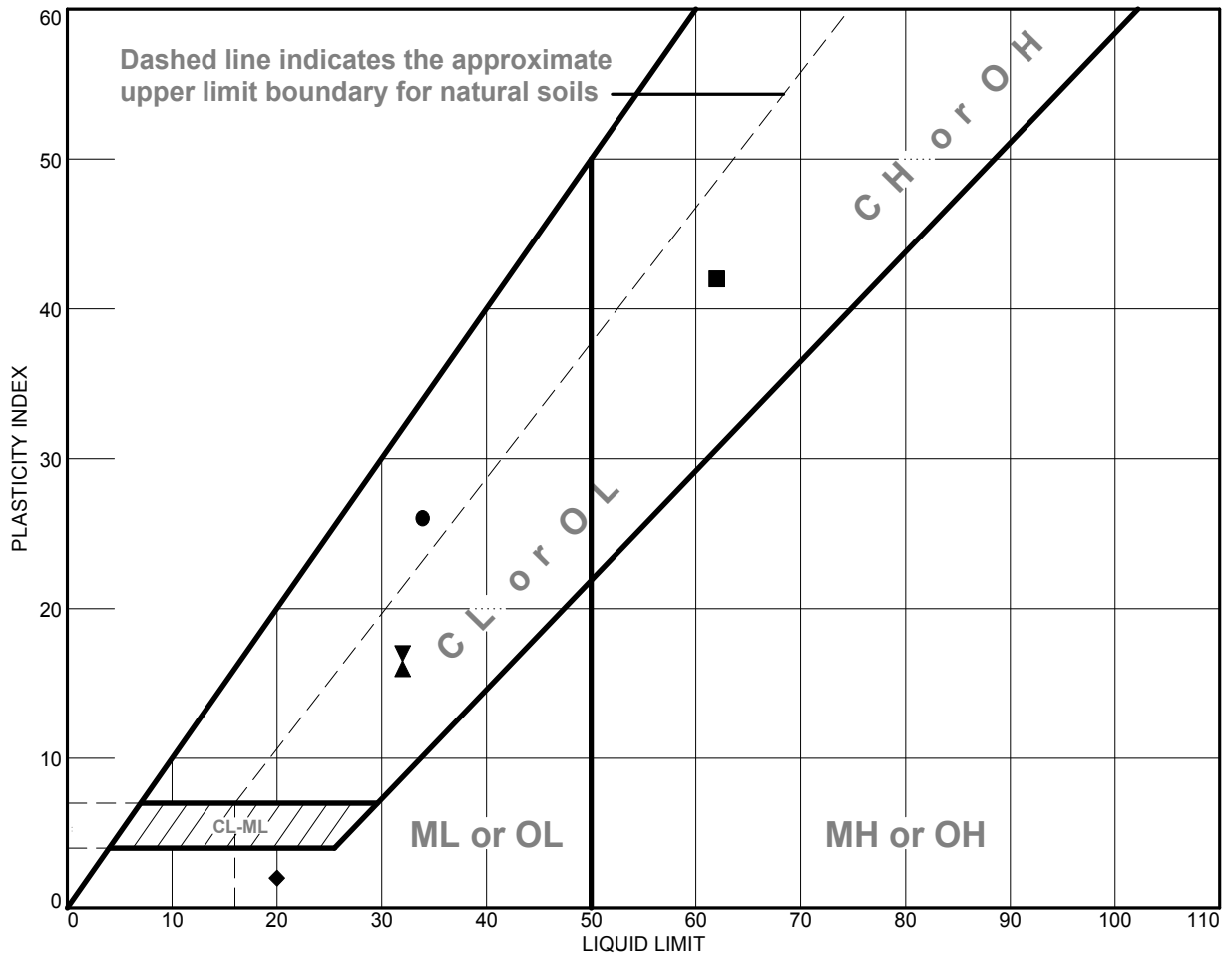
ALV ENGINEERS

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

Figure F-22

Tested By: _____ **Checked By:** _____

LIQUID AND PLASTIC LIMITS 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.

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

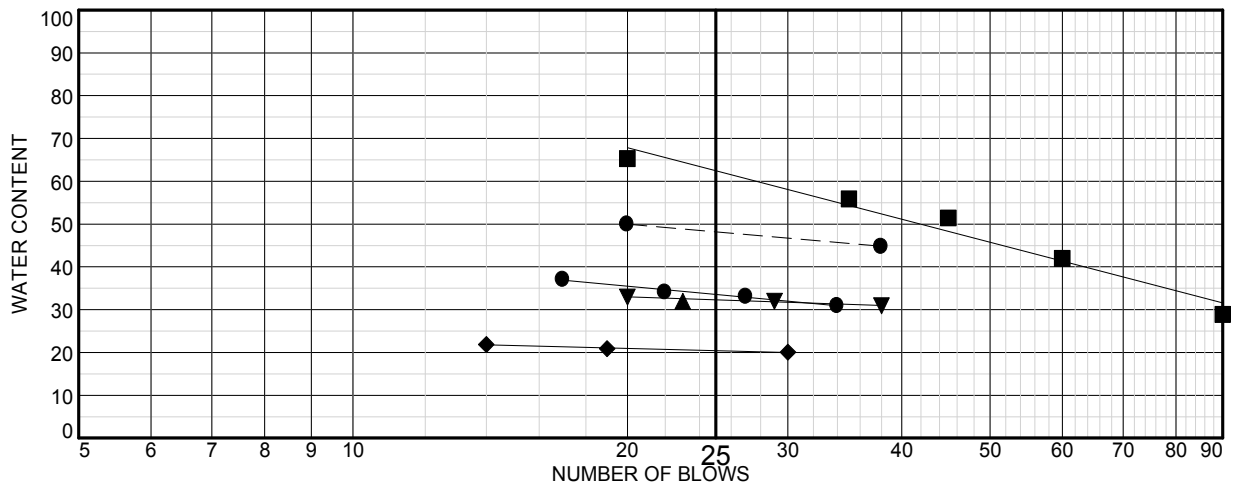
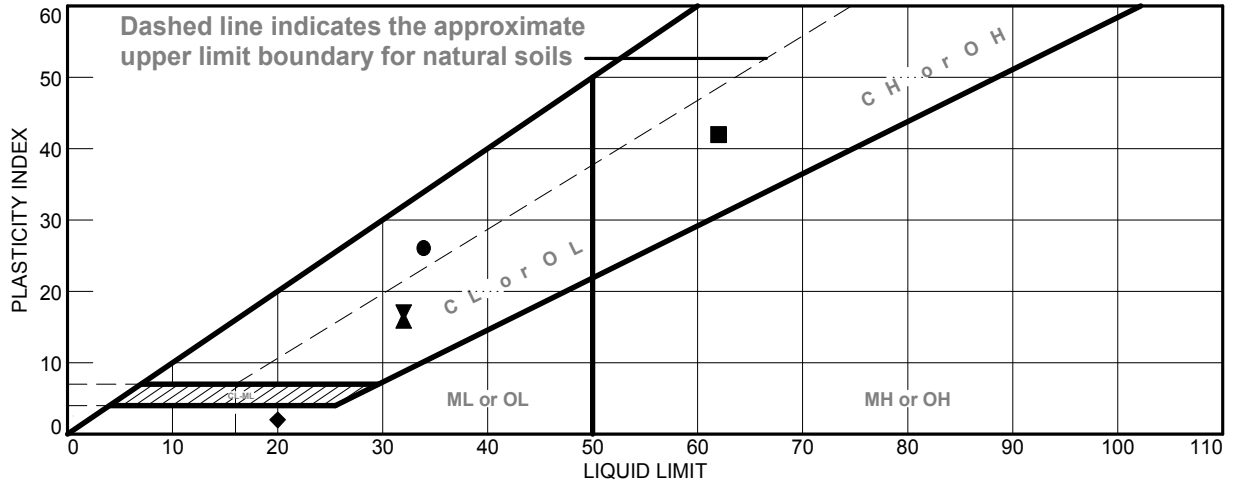
Remarks:

ALV ENGINEERS

Figure F-22

Tested By: _____ **Checked By:** _____

LIQUID AND PLASTIC LIMITS 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.

	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:

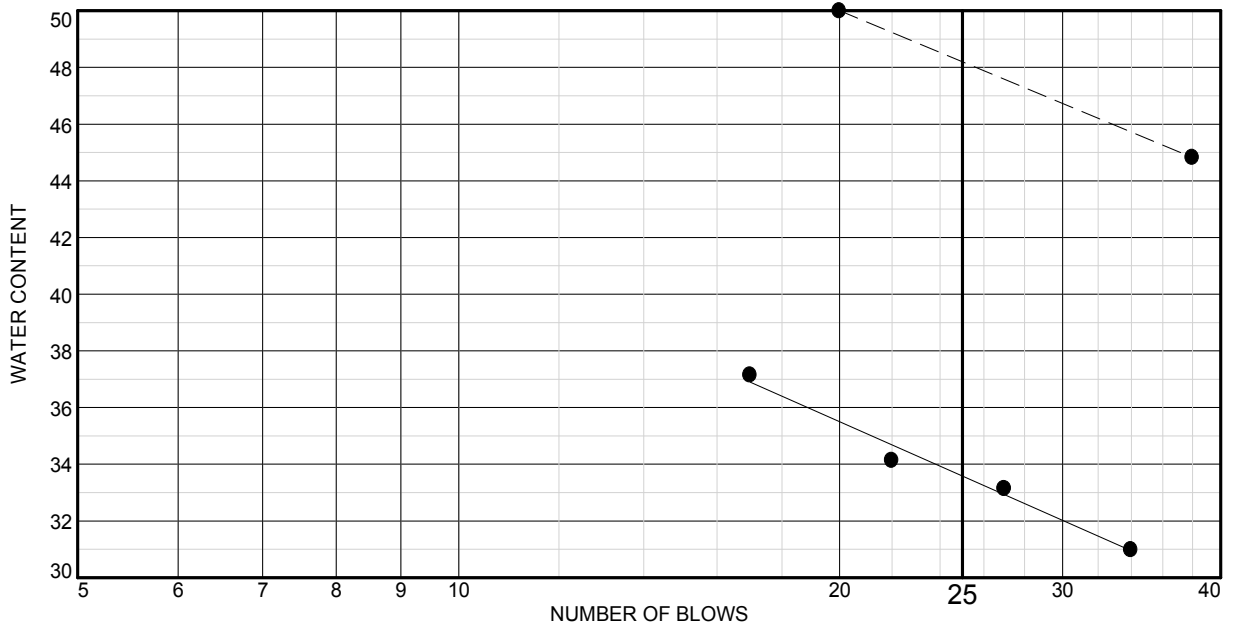
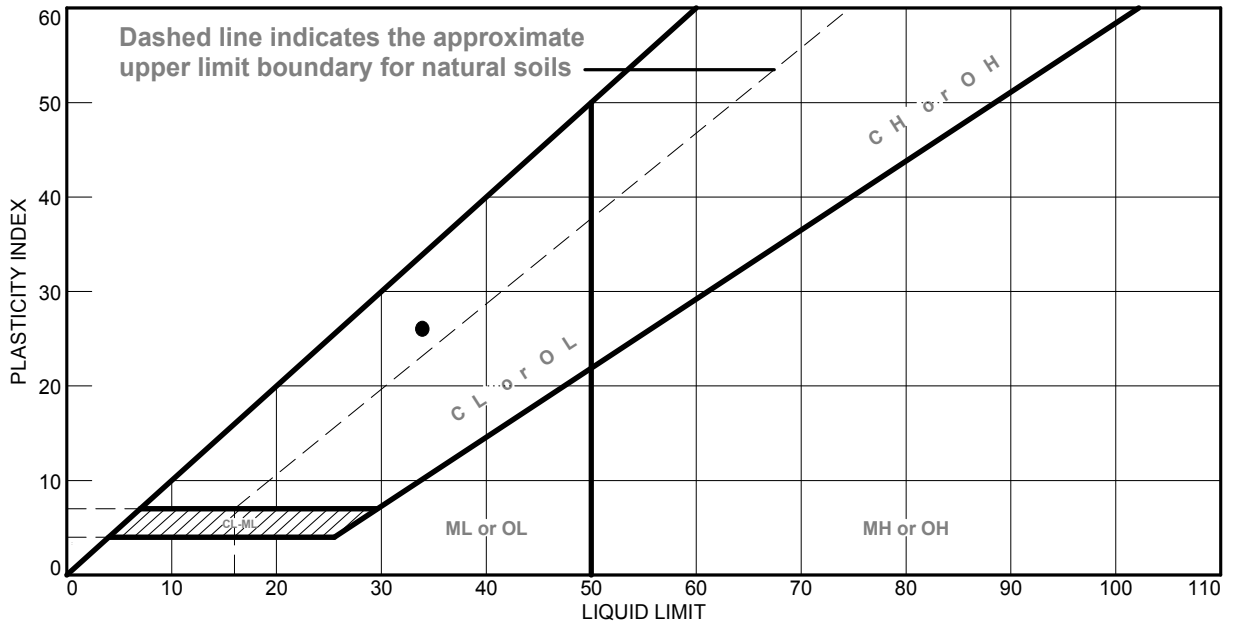
ALV ENGINEERS

Figure F-22

Tested By: _____ **Checked By:** _____

[5 tests] Includes both plasticity and blows/moisture charts (LIMGEOAL)

LIQUID AND PLASTIC LIMITS 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.

MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
• Dark Brown Sandy Lean Clay w/ Organics & Rubble	34	8	26	82	20	CL

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

Remarks:

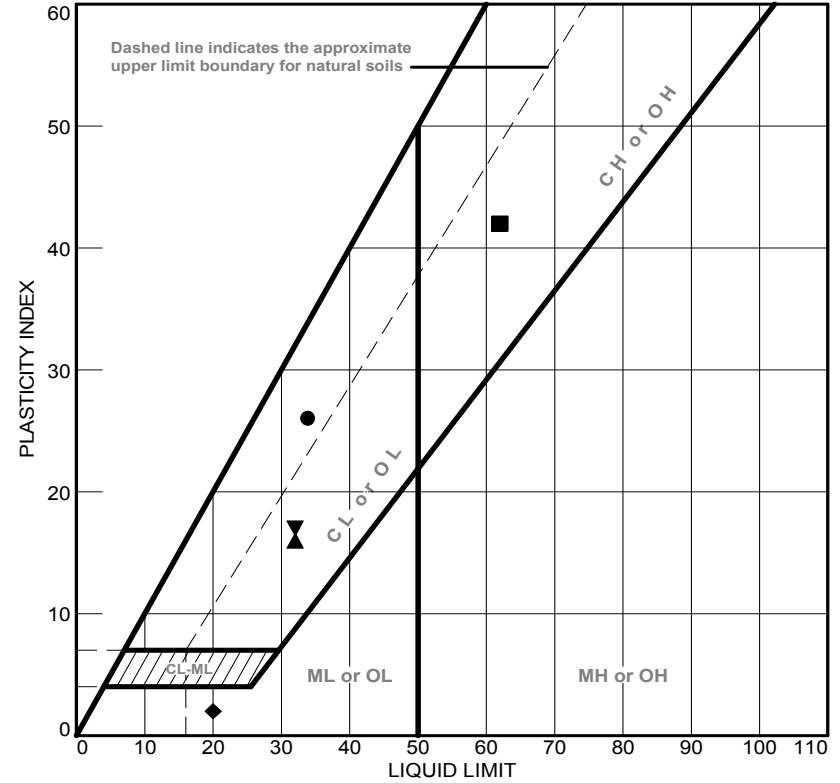
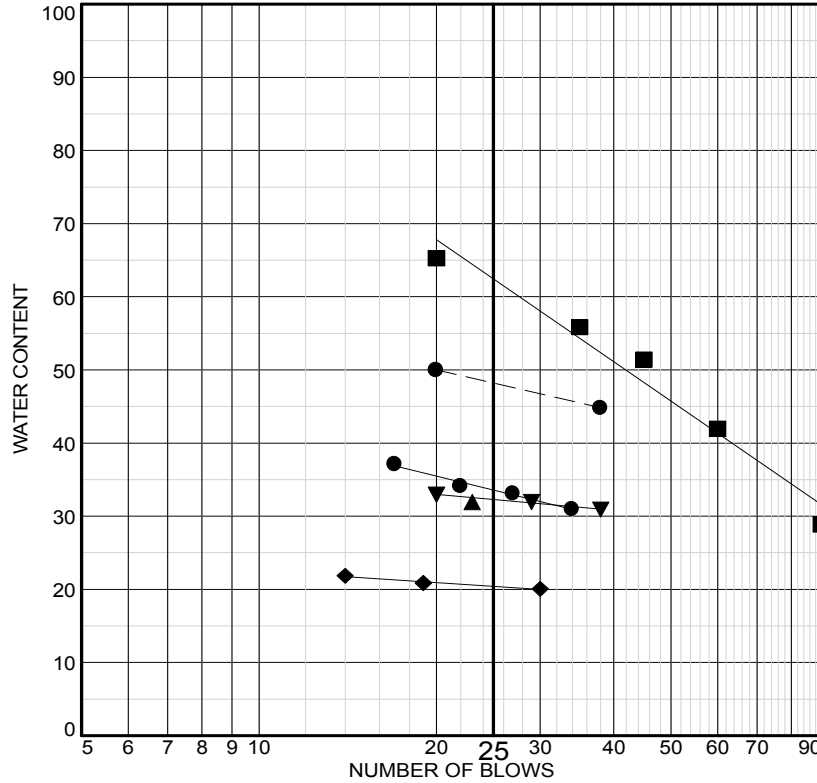
Figure F-22

ALV ENGINEERS

Tested By: _____ **Checked By:** _____

LIQUID AND PLASTIC LIMITS 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.



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
 Project Berthoud County Landfill Expansion
 Project No. P91003-24 Figure F-22

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Tested By: _____ Checked By: _____