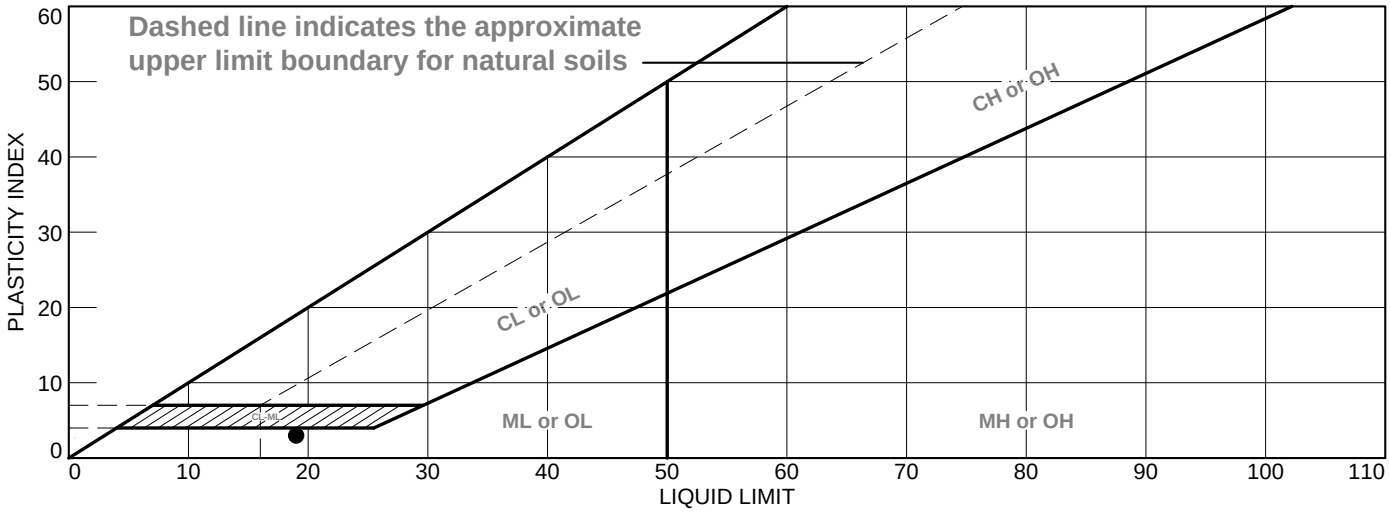
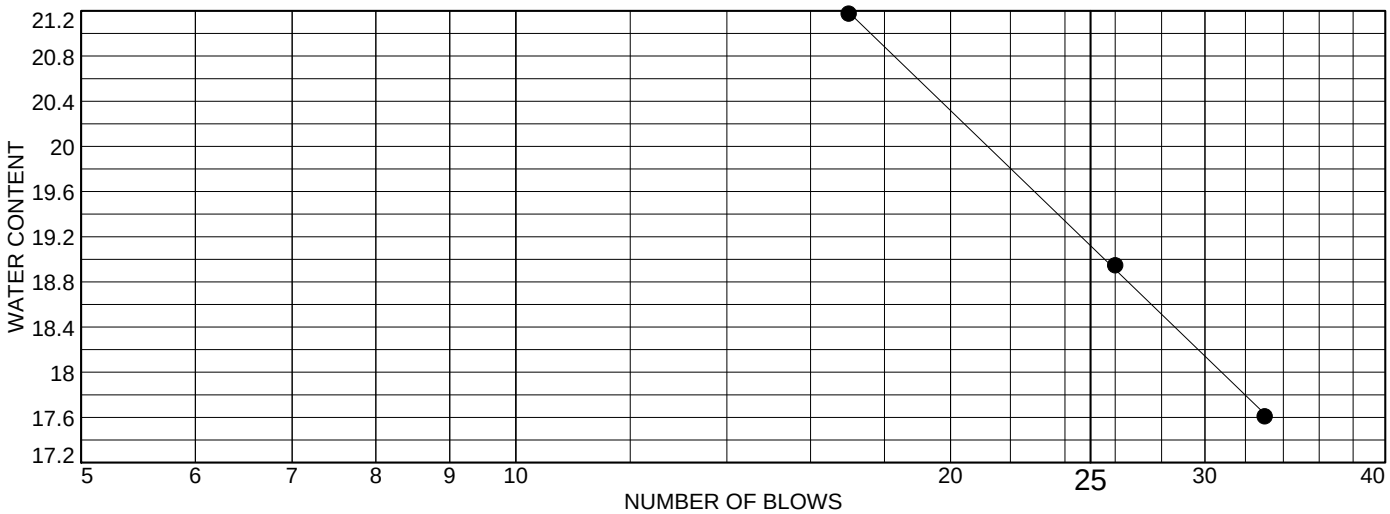
LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILT, SOME F-C SAND LITTLE CLAY TRACE F GRAVEL - GRAY	19	16	3			ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-200 **Depth:** +729.2' - +730.9' **Sample No.:** S-16

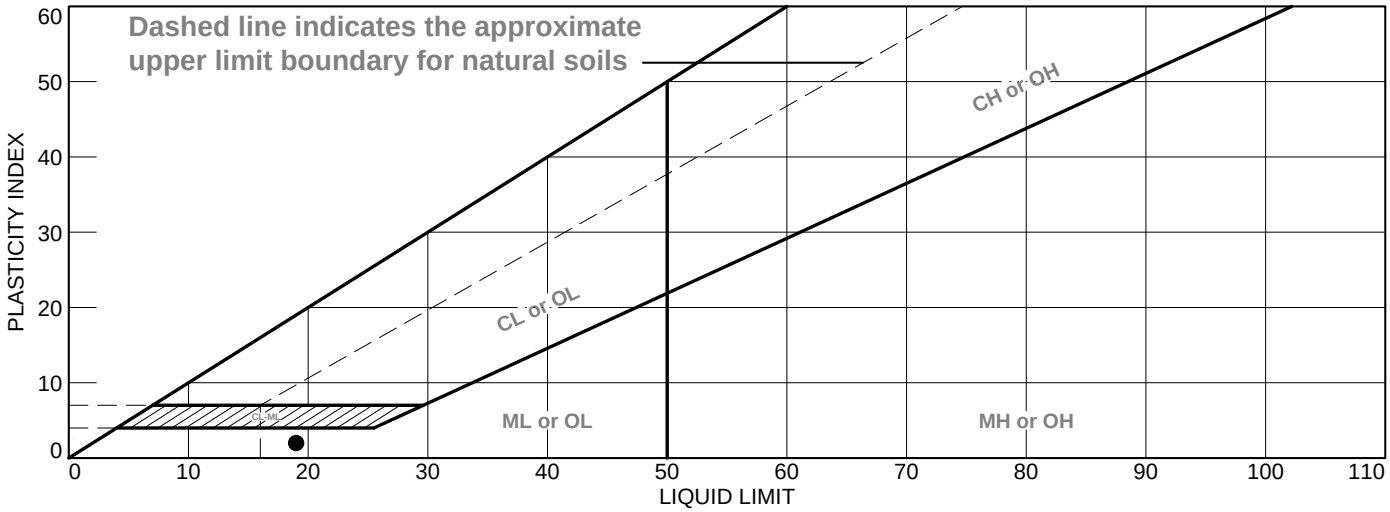
Remarks:

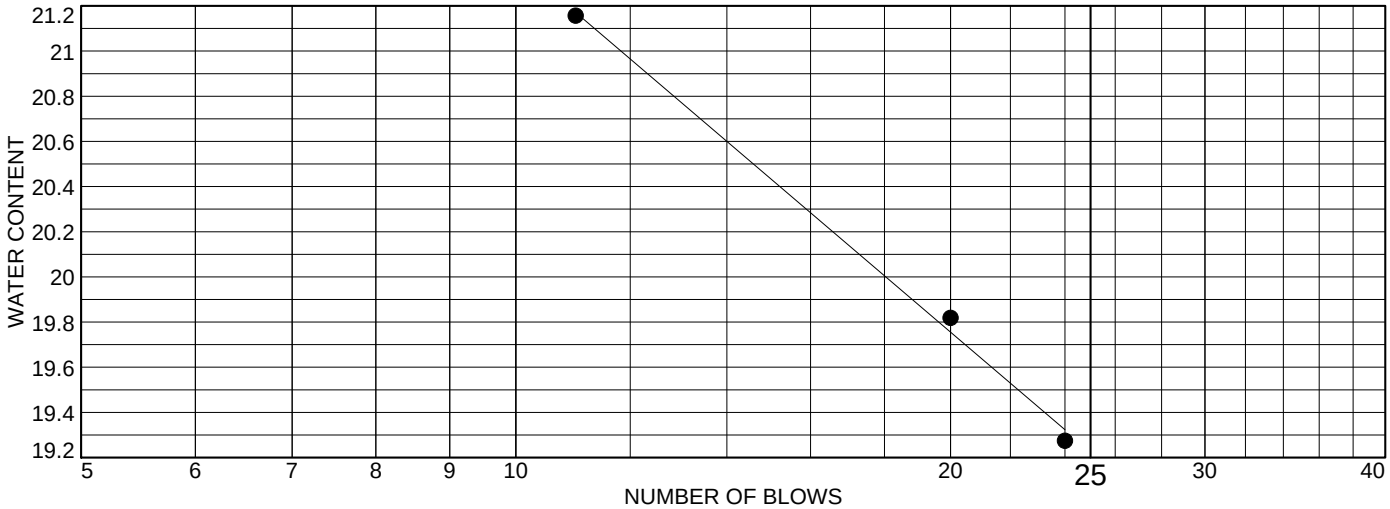
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILT, SOME F-C SAND, LITTLE CLAY, TRACE FINE GRAVEL - GRAY	19	17	2	89.9	65.6	ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-200A **Depth:** +728.9' - +730.2' **Sample No.:** ST-1

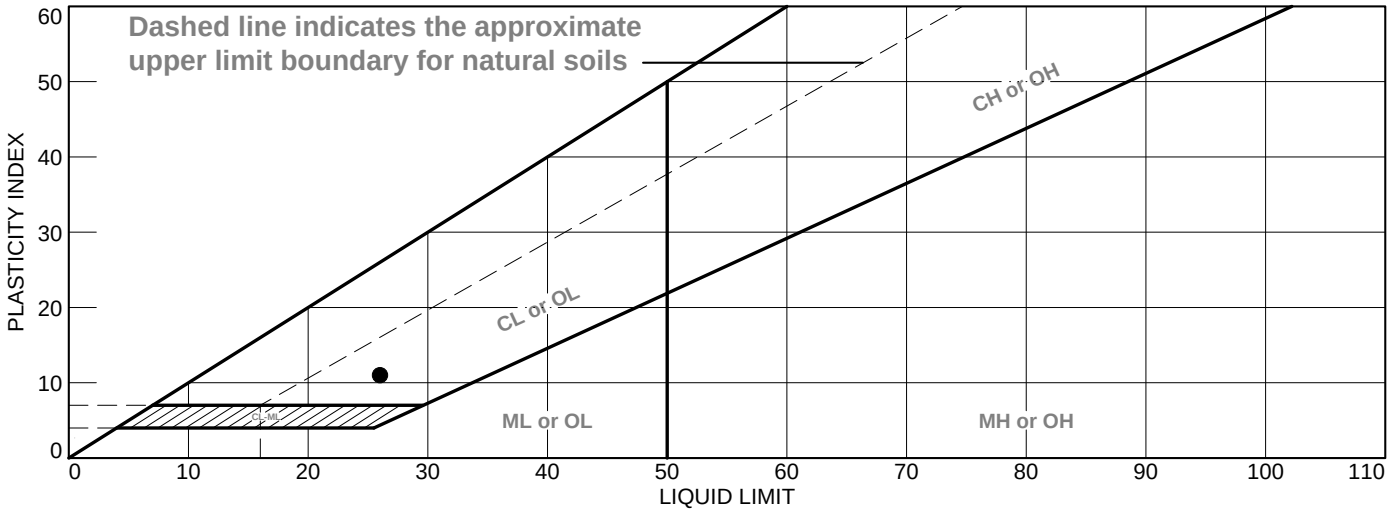
Remarks:

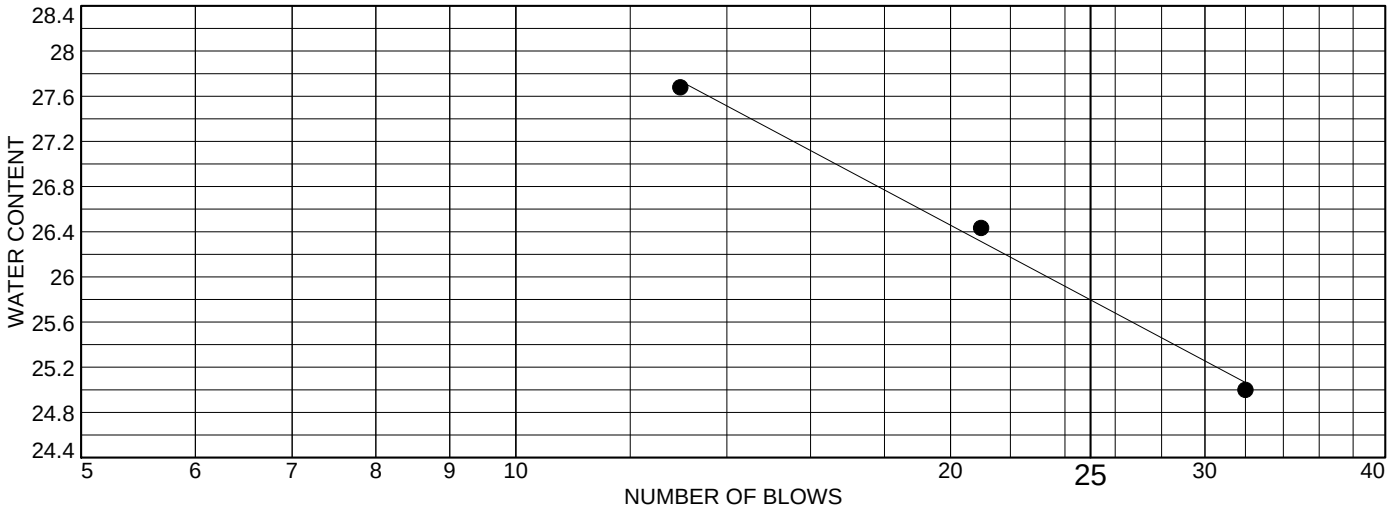
STS | AECOM

Figure

Tested By: DP **Checked By:** BCM

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME F-C SAND, TRACE FINE GRAVEL - BROWN	26	15	11	95.3	72.2	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-200A **Depth:** +721.7' - +723.2' **Sample No.:** ST-2

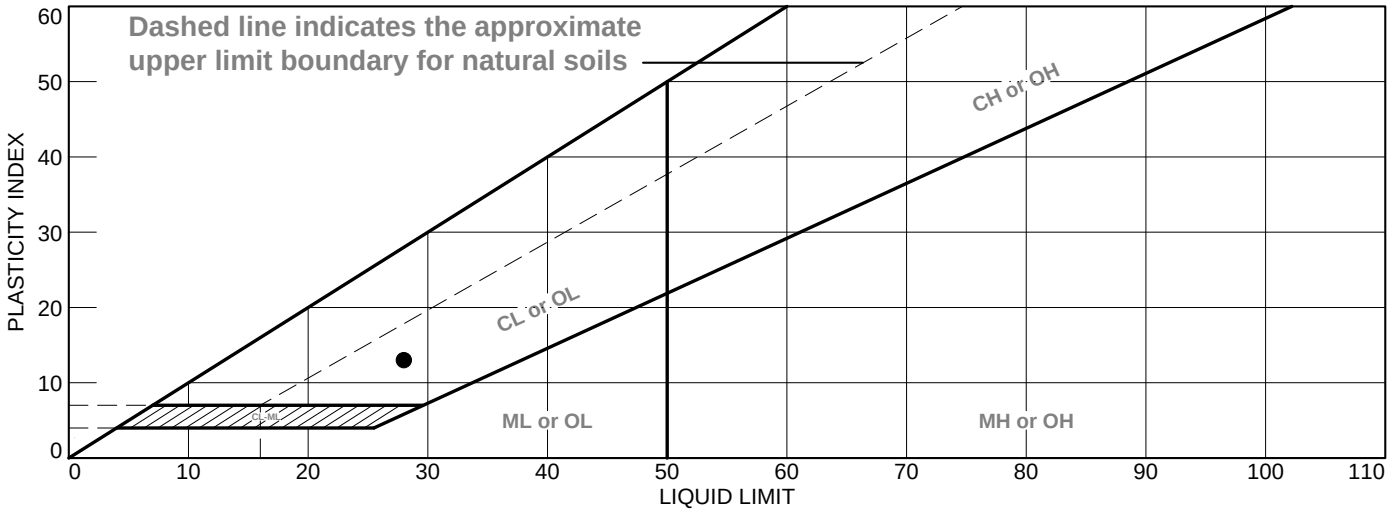
Remarks:

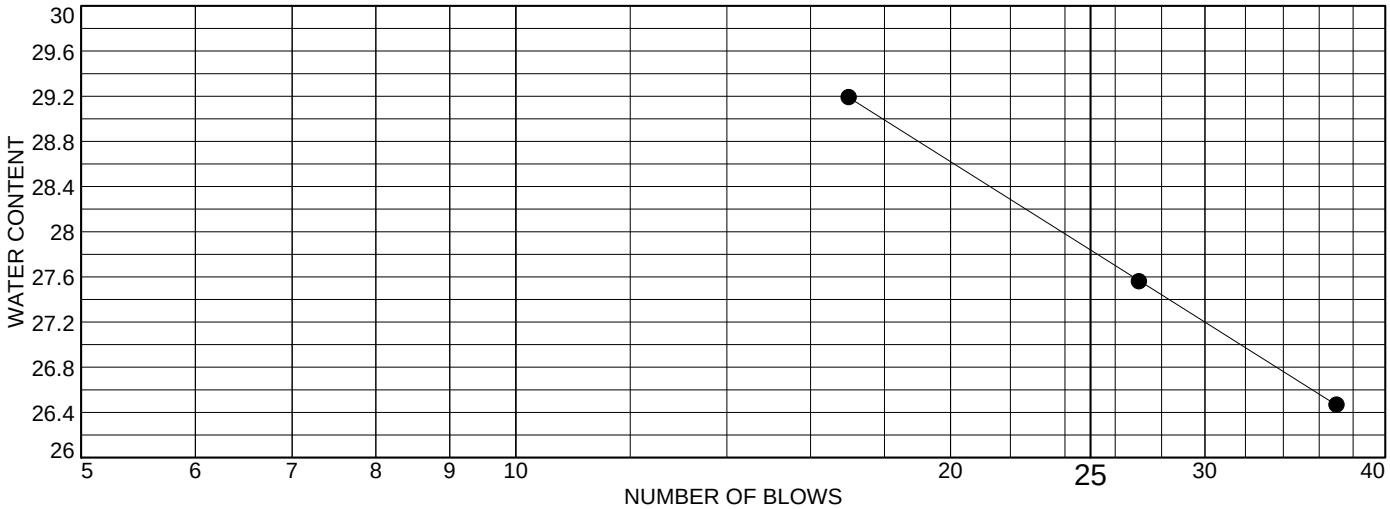
STS | AECOM

Figure

Tested By: DP **Checked By:** BCM

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWNISH GRAY	28	15	13			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-200B **Depth:** +726.9' - +729.4' **Sample No.:** OST5

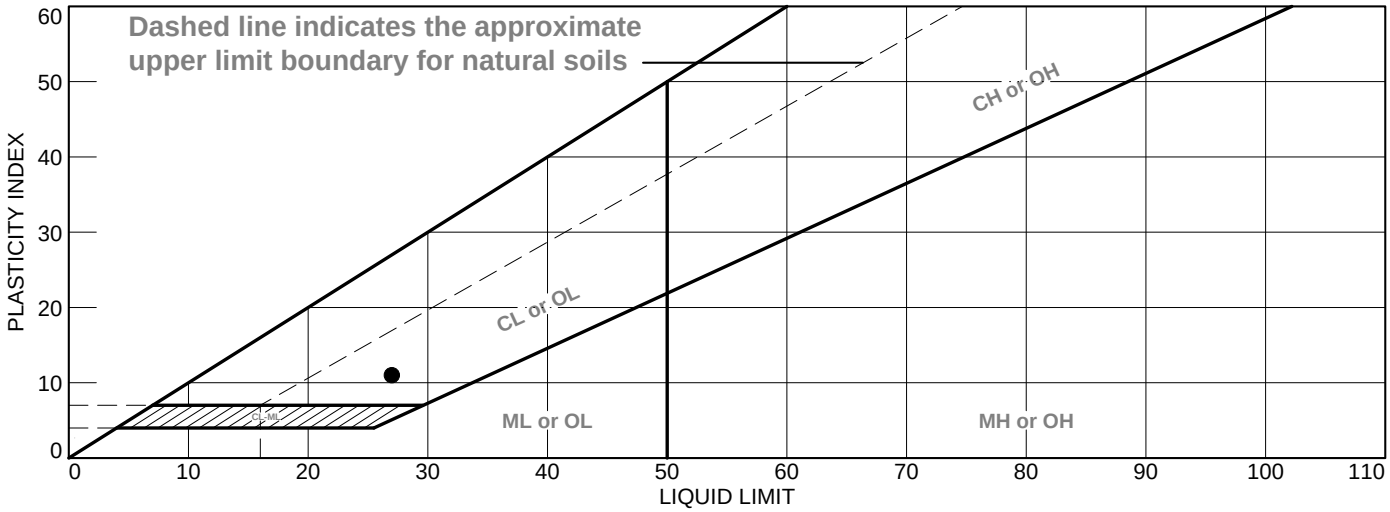
Remarks:

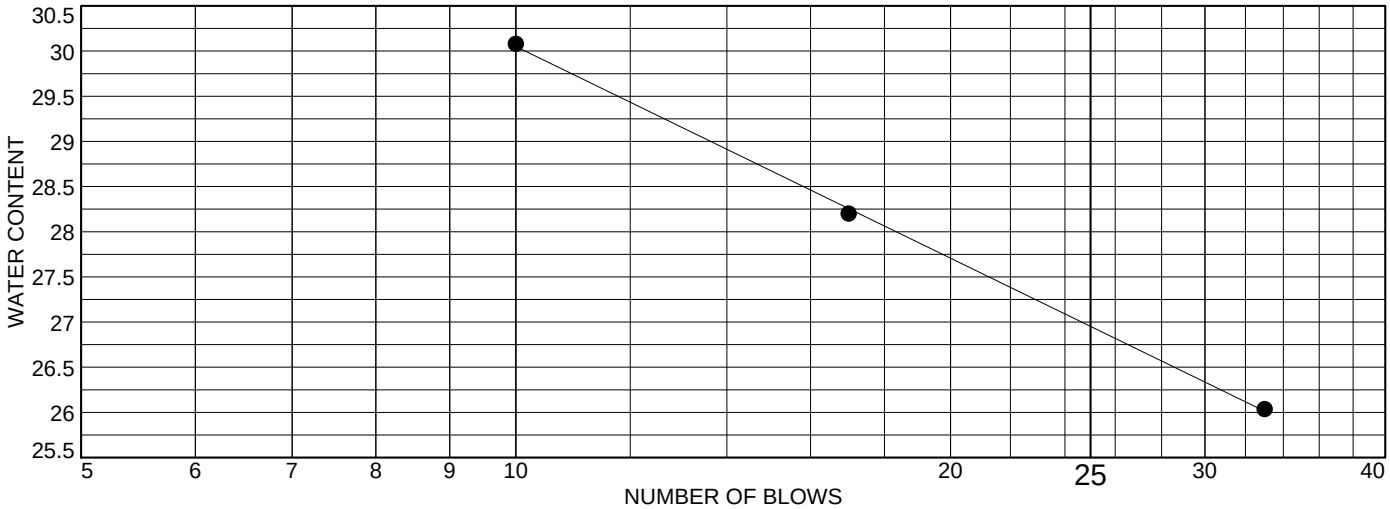
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY AND F-C SAND, TRACE FINE GRAVEL - BROWN	27	16	11	96.9	60.7	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-201A **Depth:** +731.9' - +732.5' **Sample No.:** ST-2

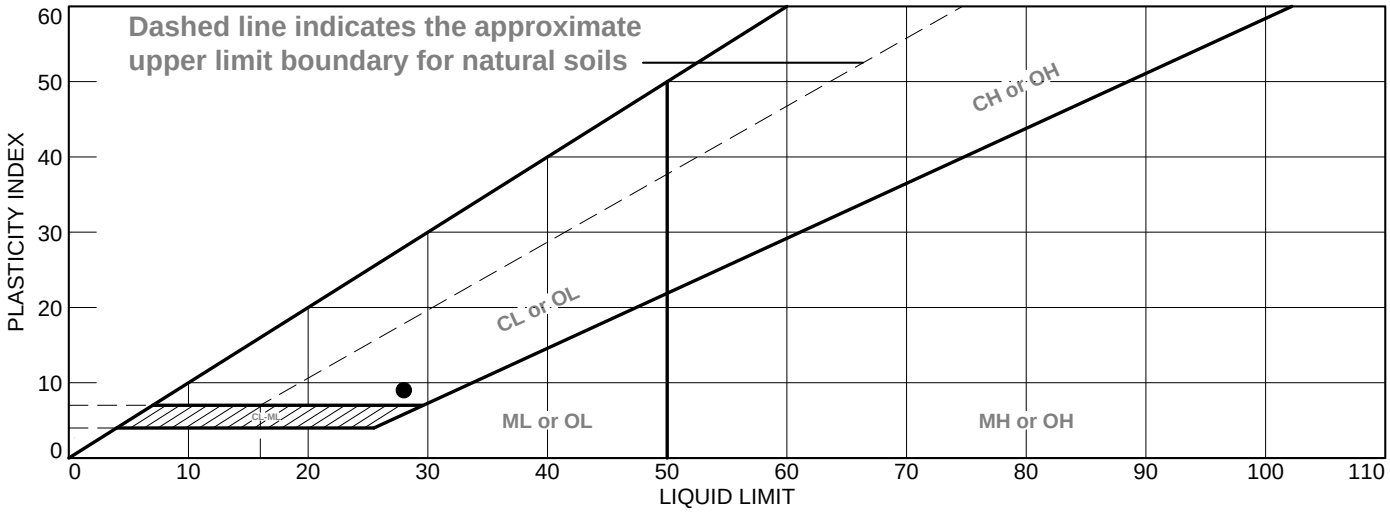
Remarks:

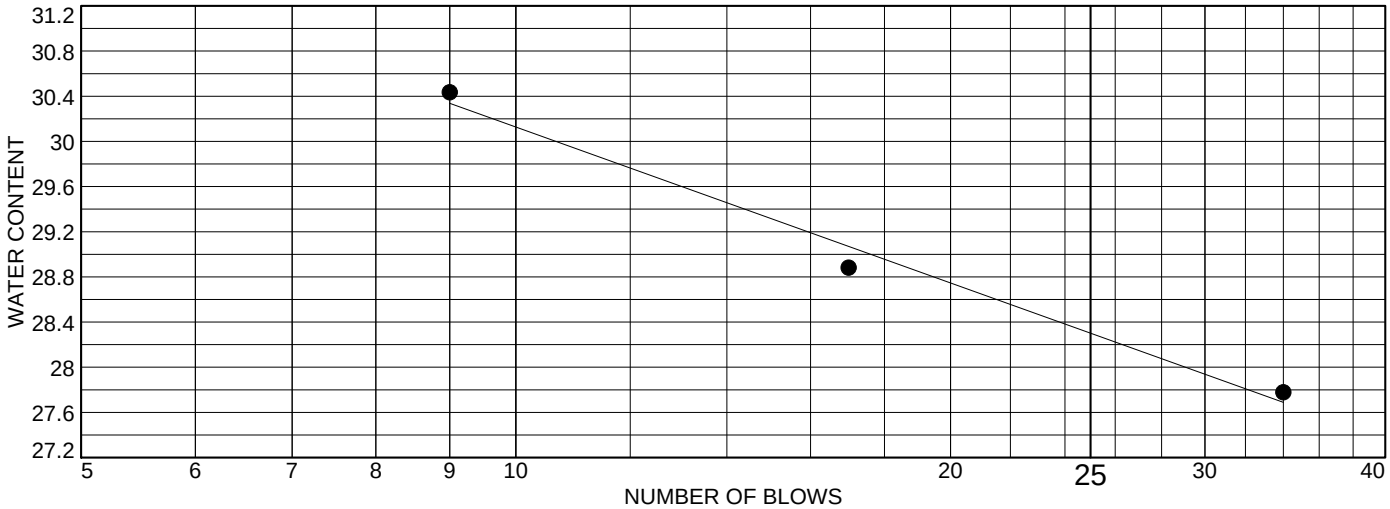
STS | AECOM

Figure

Tested By: DP **Checked By:** BCM

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME F-M SAND - GRAY	28	19	9	96.4	70.6	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-201A **Depth:** +729.0' - +731.0' **Sample No.:** ST-3

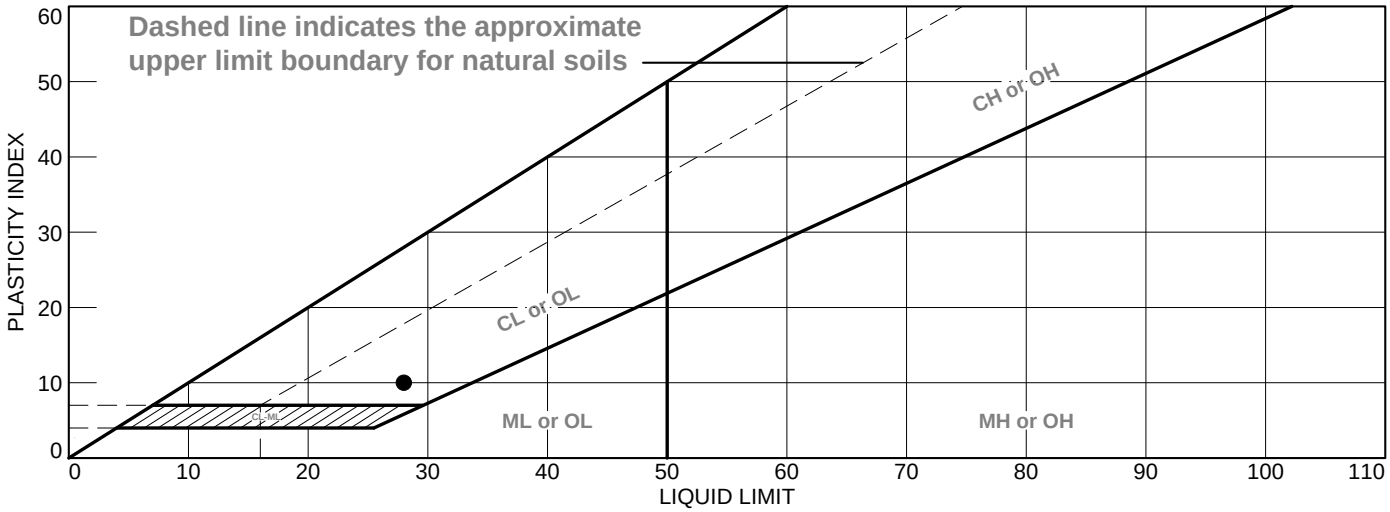
Remarks:

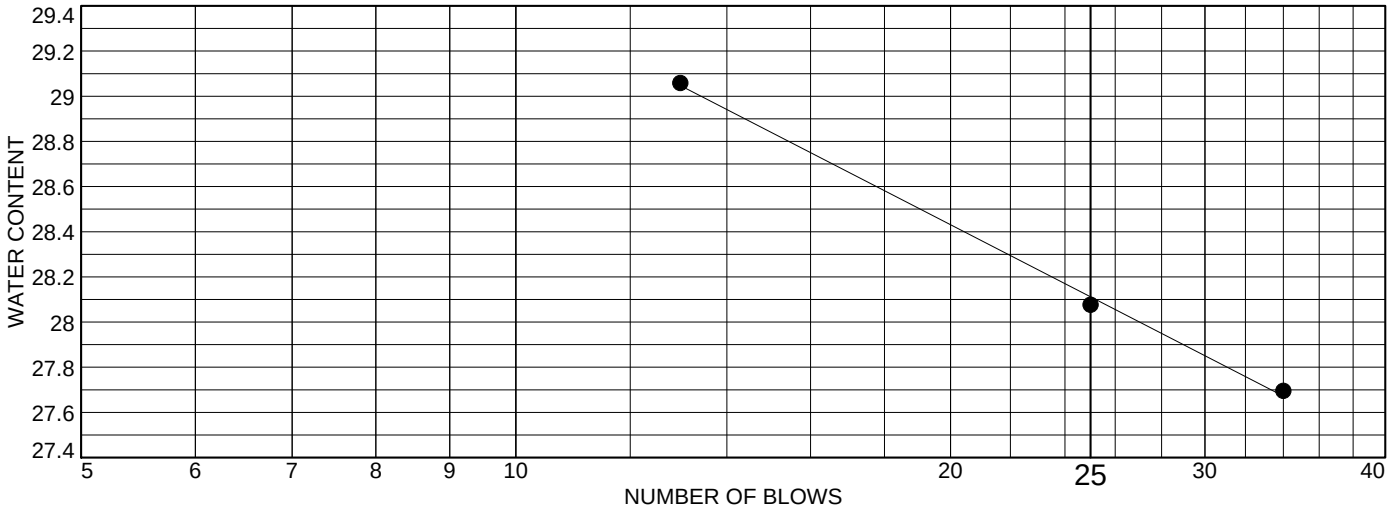
STS | AECOM

Figure

Tested By: DP **Checked By:** BCM

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-M SAND - GRAY	28	18	10			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-201B **Depth:** +730.7' - +732.7' **Sample No.:** OST3

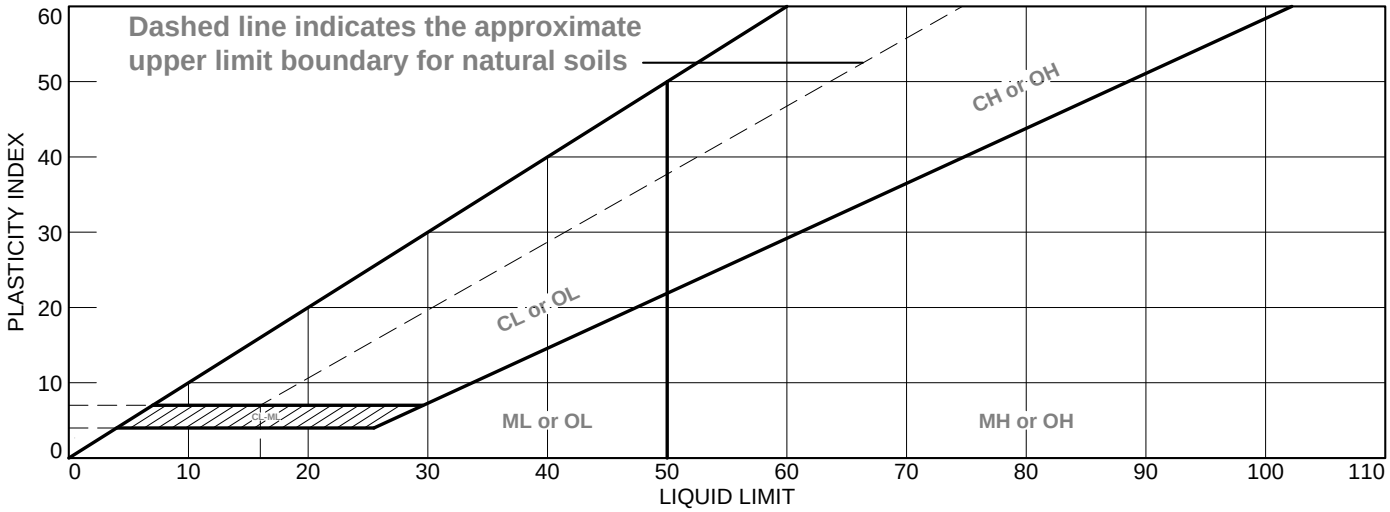
Remarks:

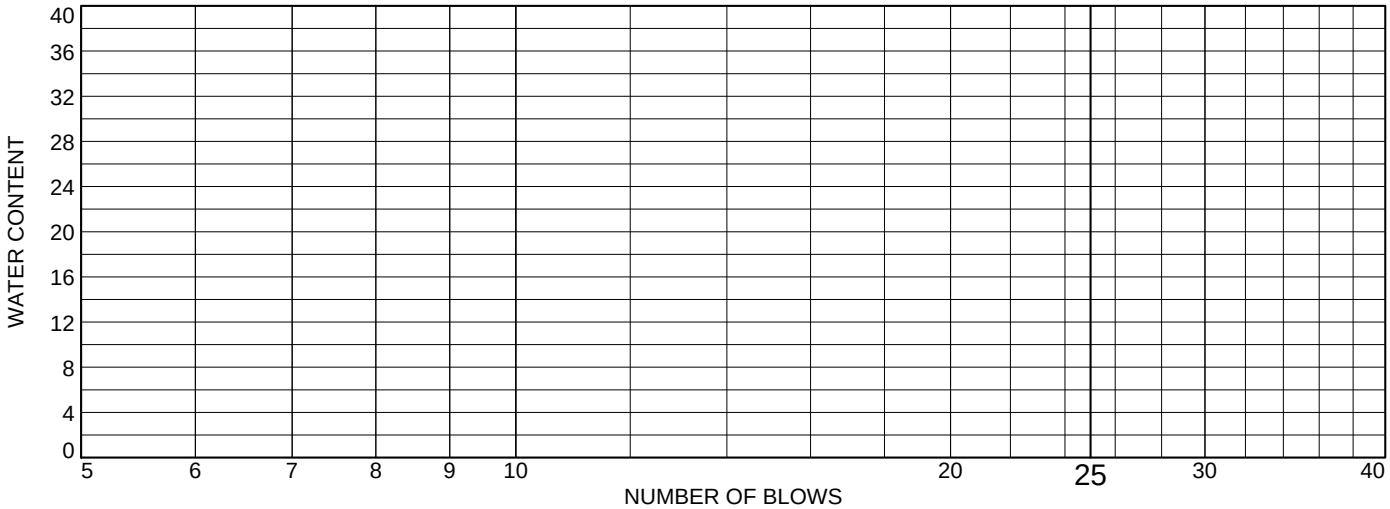
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY F-C SAND, LITTLE CLAY, TRACE FINE GRAVEL - BROWN	NV	NP	NP	83.1	44.5	SM

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-202 **Depth:** +717.5' - 718.5' **Sample No.:** S-23

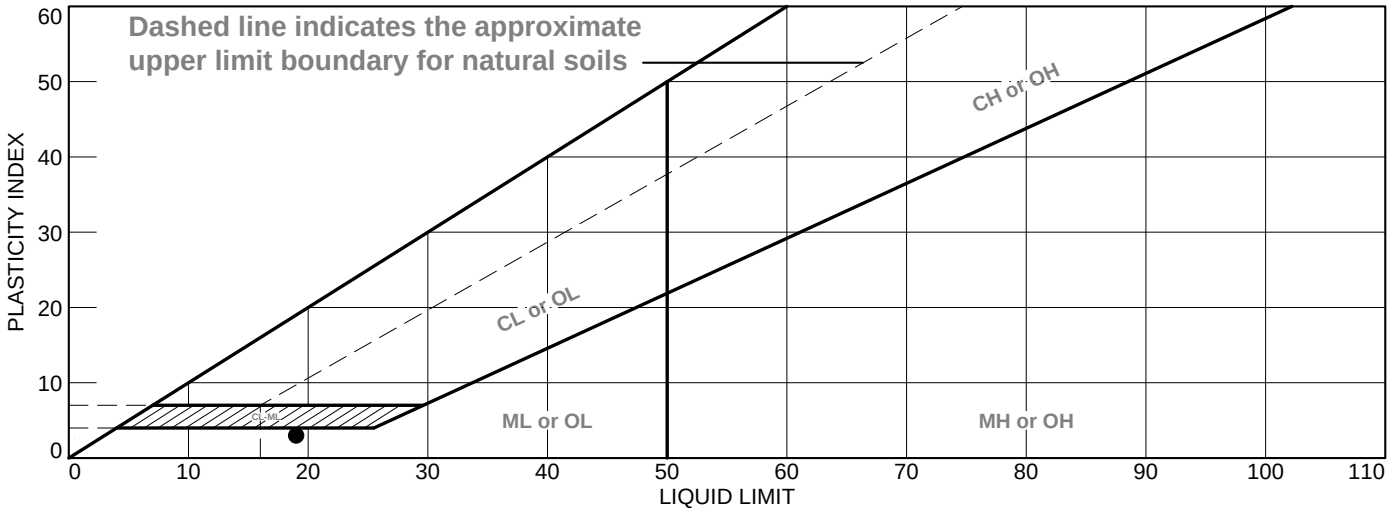
Remarks:

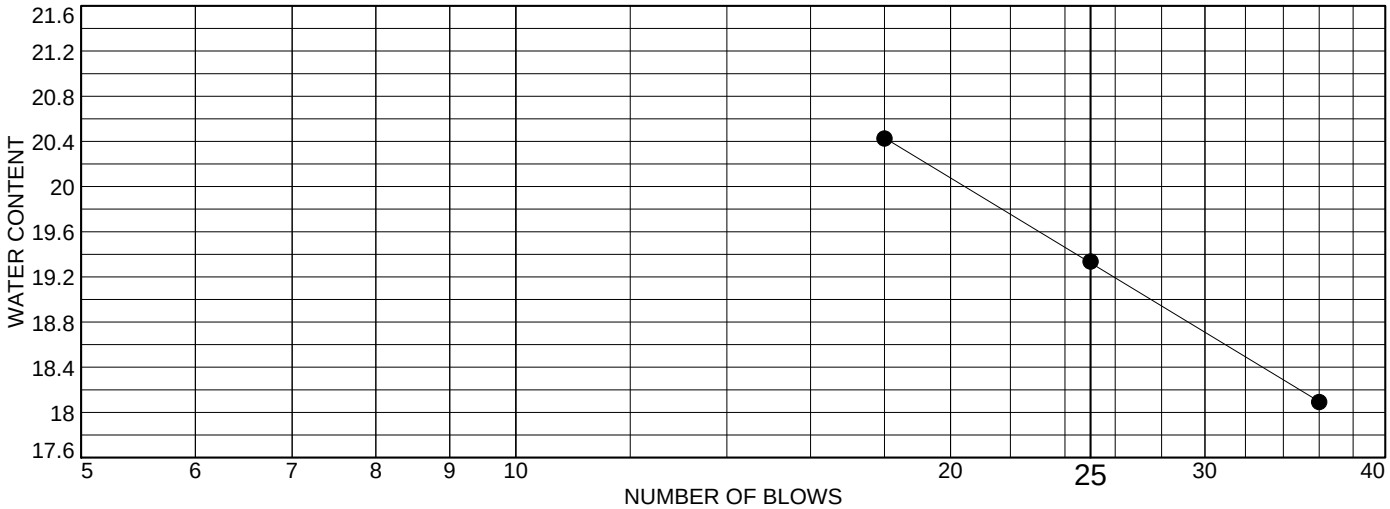
STS | AECOM

Figure

Tested By: BPM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT SOME F-C SAND - BROWN	19	16	3	98.8	65.0	ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-202A **Depth:** +730.0' - +731.3' **Sample No.:** S-1

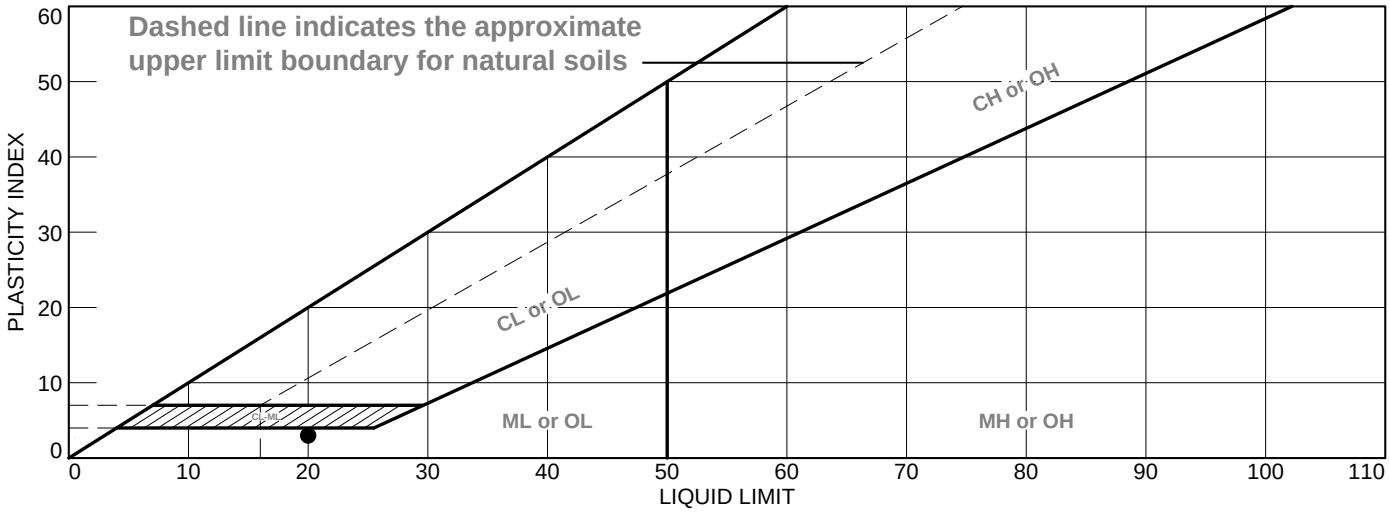
Remarks:

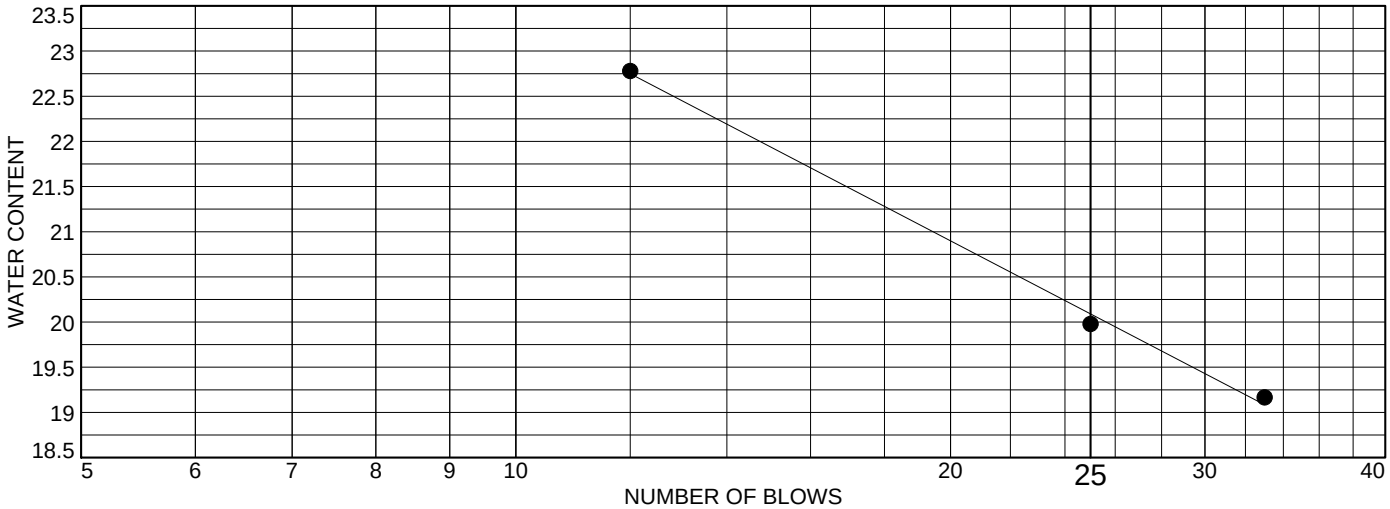
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, SOME F-C SAND - BROWN	20	17	3			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-202A **Depth:** +729.3' - +730.3' **Sample No.:** ST-3

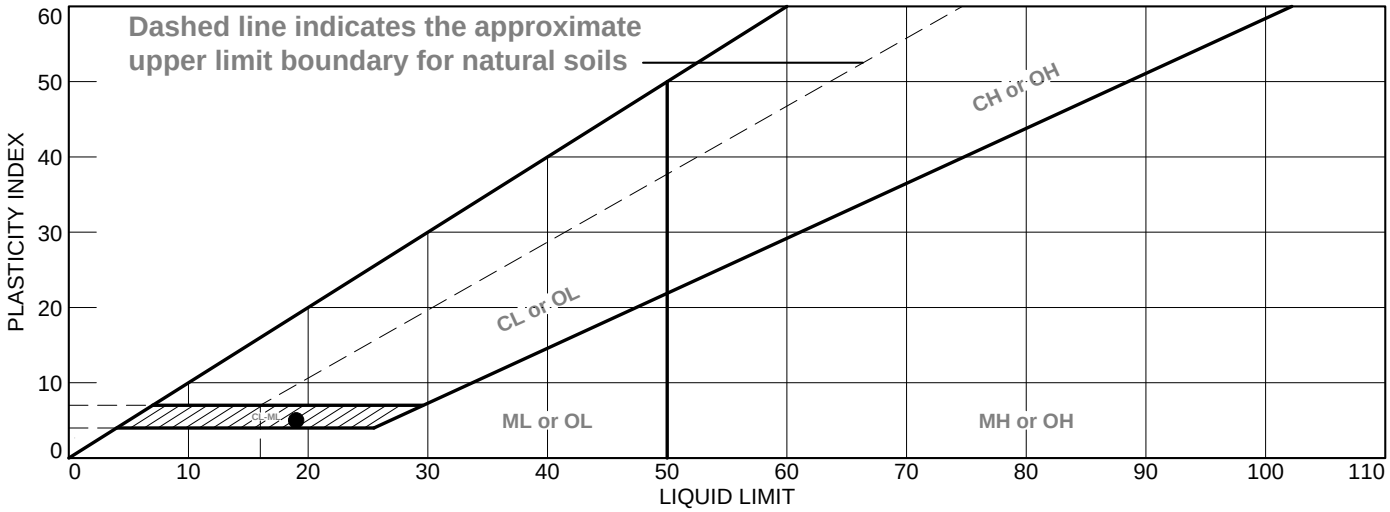
Remarks:

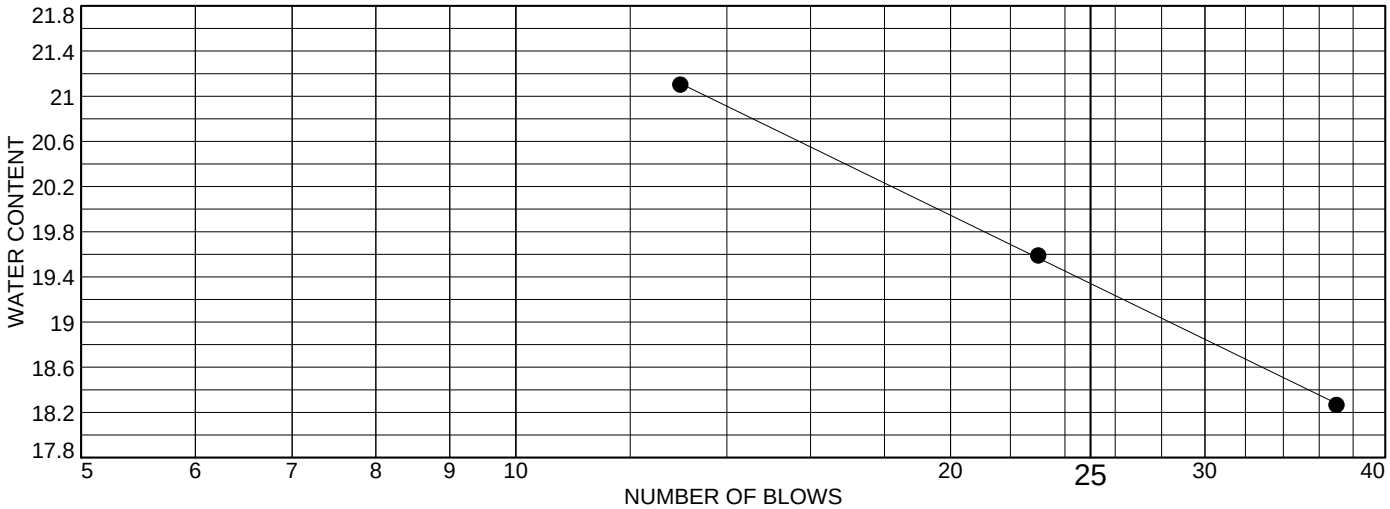
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, SOME F-M SAND - BROWNISH GRAY	19	14	5			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-202B **Depth:** +728.2' - +730.3' **Sample No.:** OST3

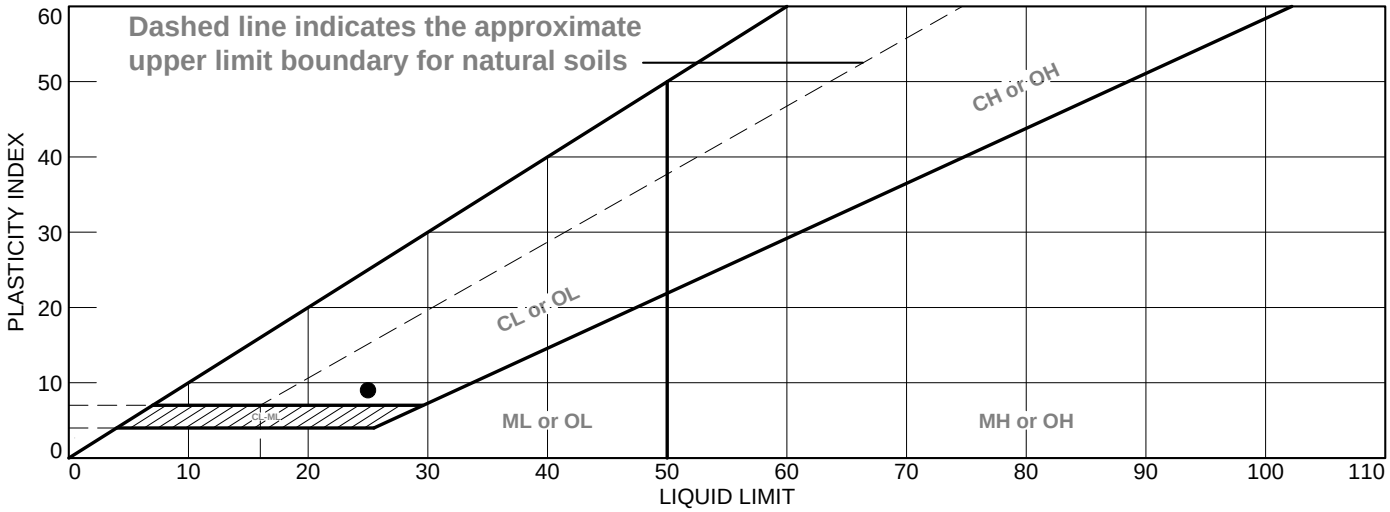
Remarks:

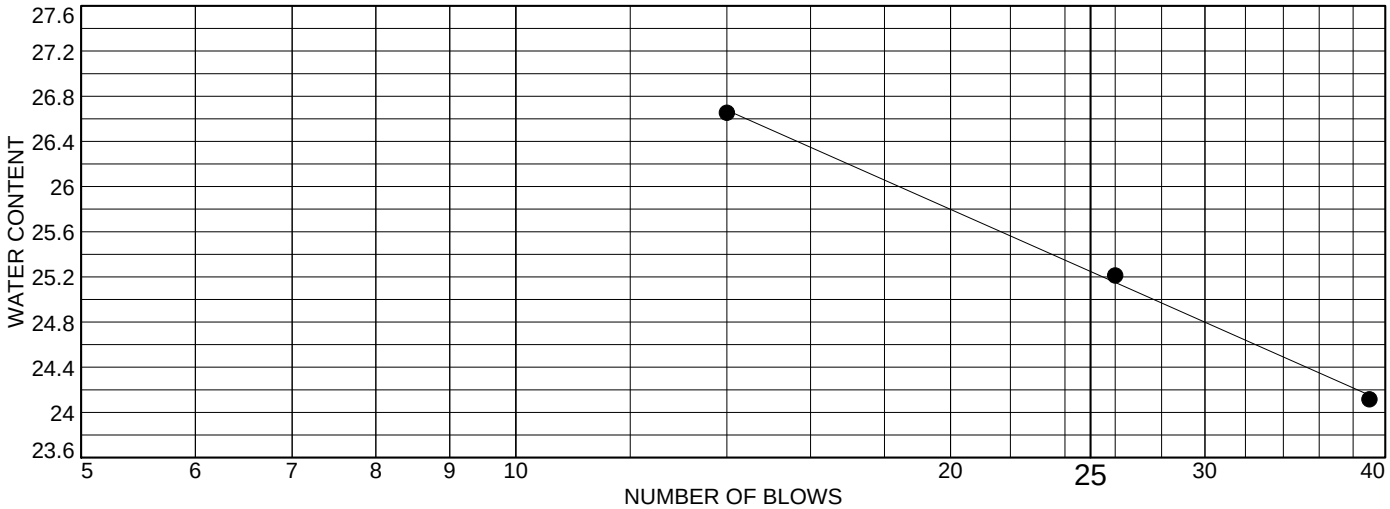
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY SOME F-M SAND - BROWN	25	16	9	98.3	66.1	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-203A **Depth:** +731.2' - +732.9' **Sample No.:** S-2

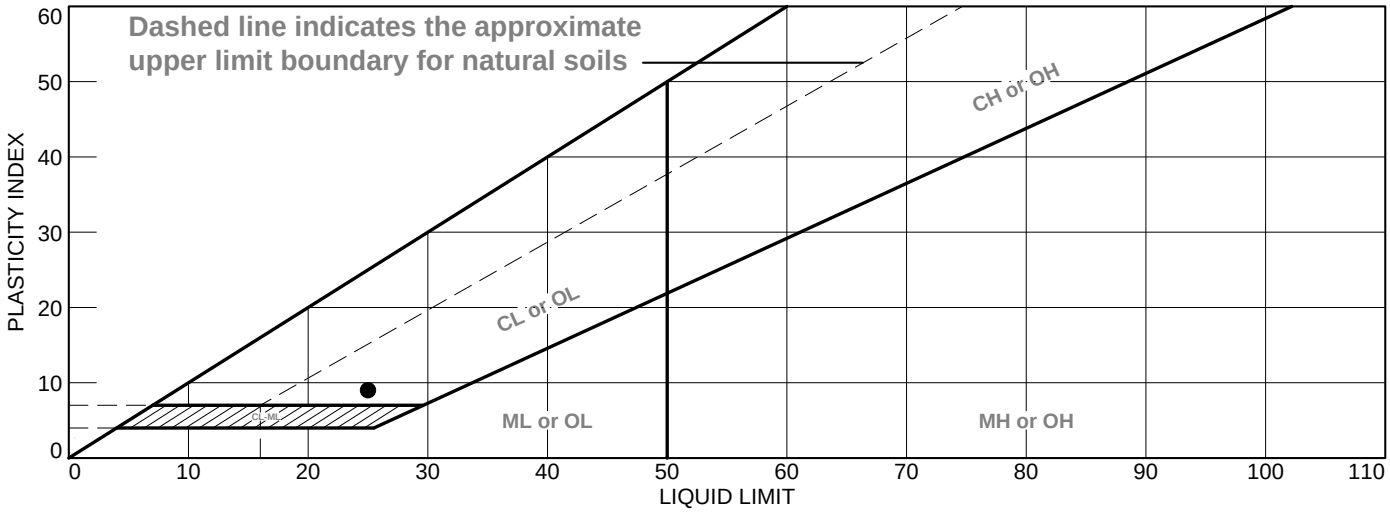
Remarks:

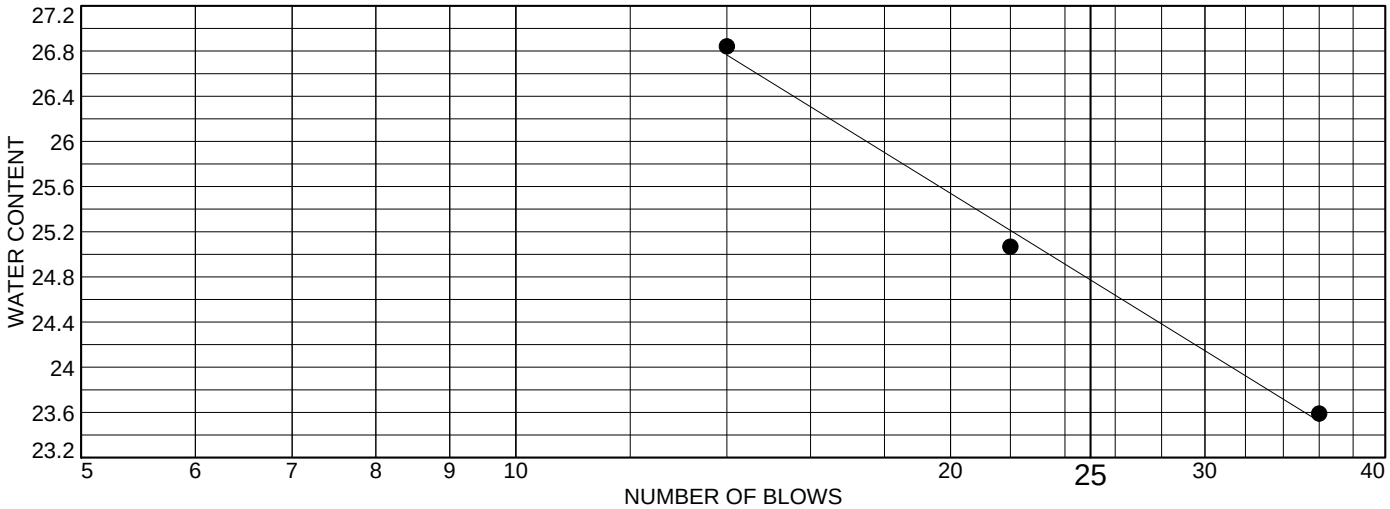
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME F-M SAND - BROWN	25	16	9	97.0	54.3	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-203A **Depth:** +729.1' - +730.9' **Sample No.:** S-3

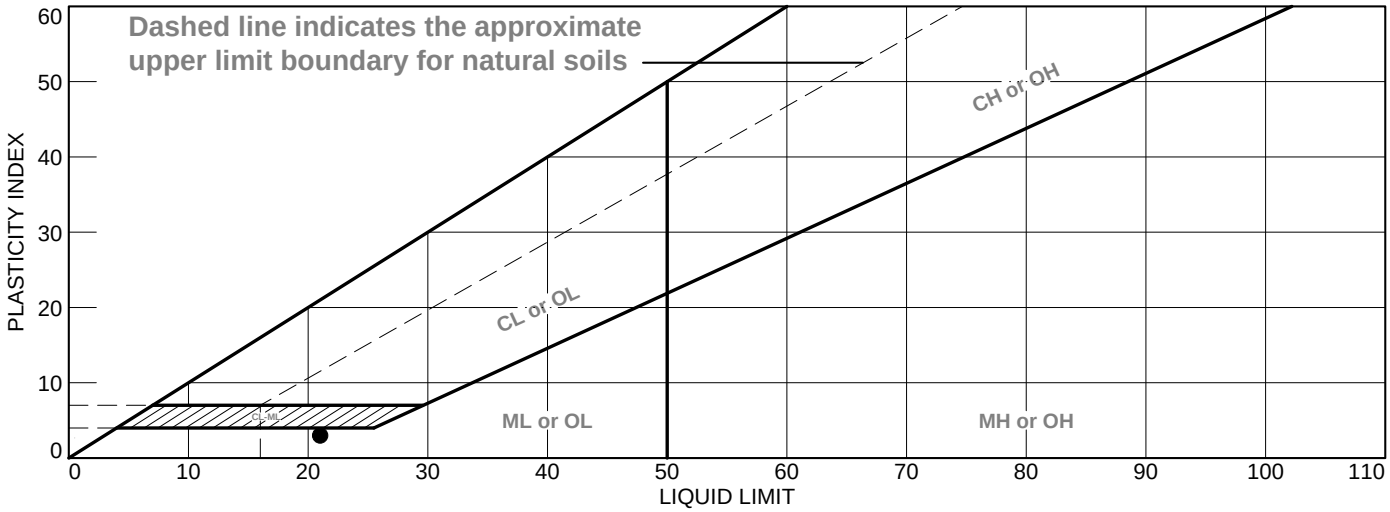
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILT, LITTLE F-M SAND AND CLAY - BROWN AND GRAY	21	18	3			ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-203B **Depth:** +732.8' - +733.1' **Sample No.:** OST3

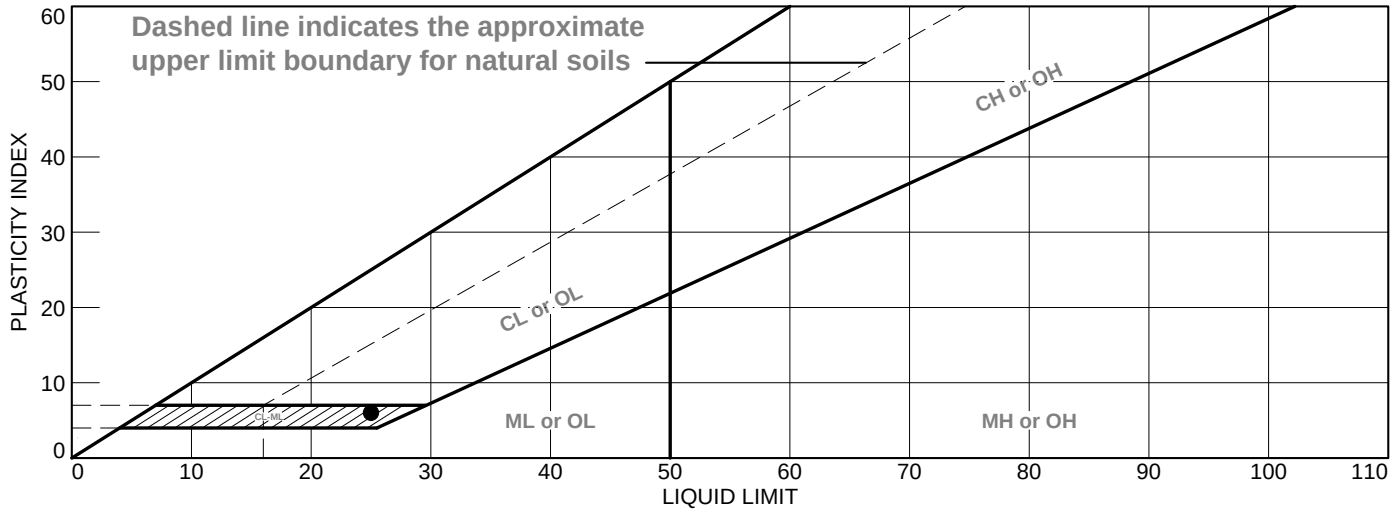
Remarks:

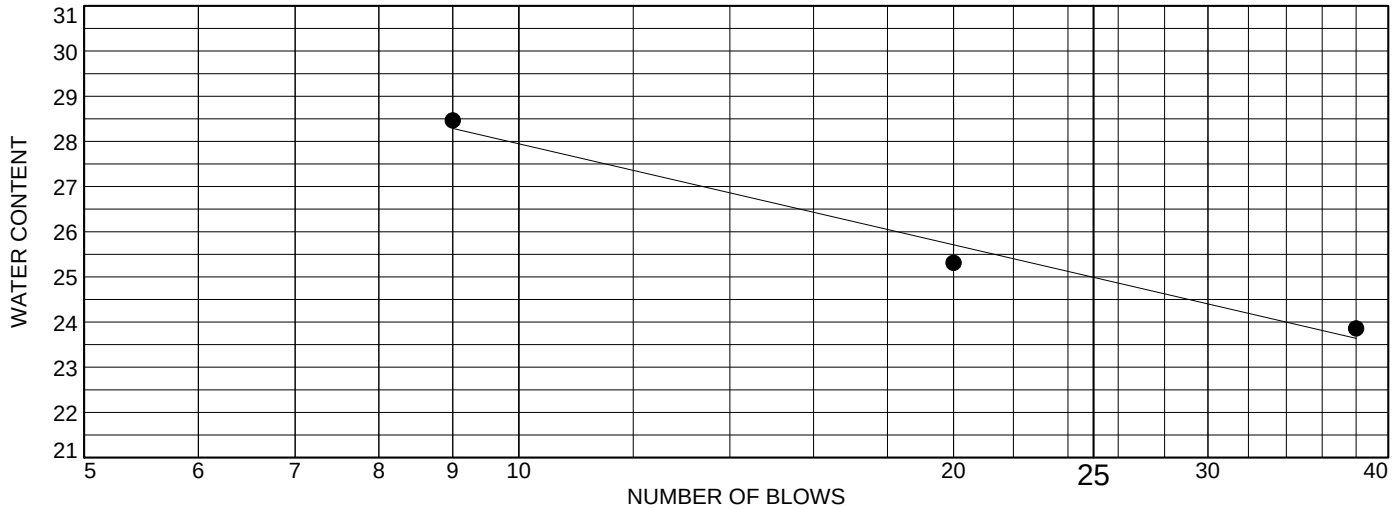
STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, LITTLE F-M SAND - REDDISH BROWN	25	19	6			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-203B **Depth:** +729.8' - +730.6' **Sample No.:** OST5

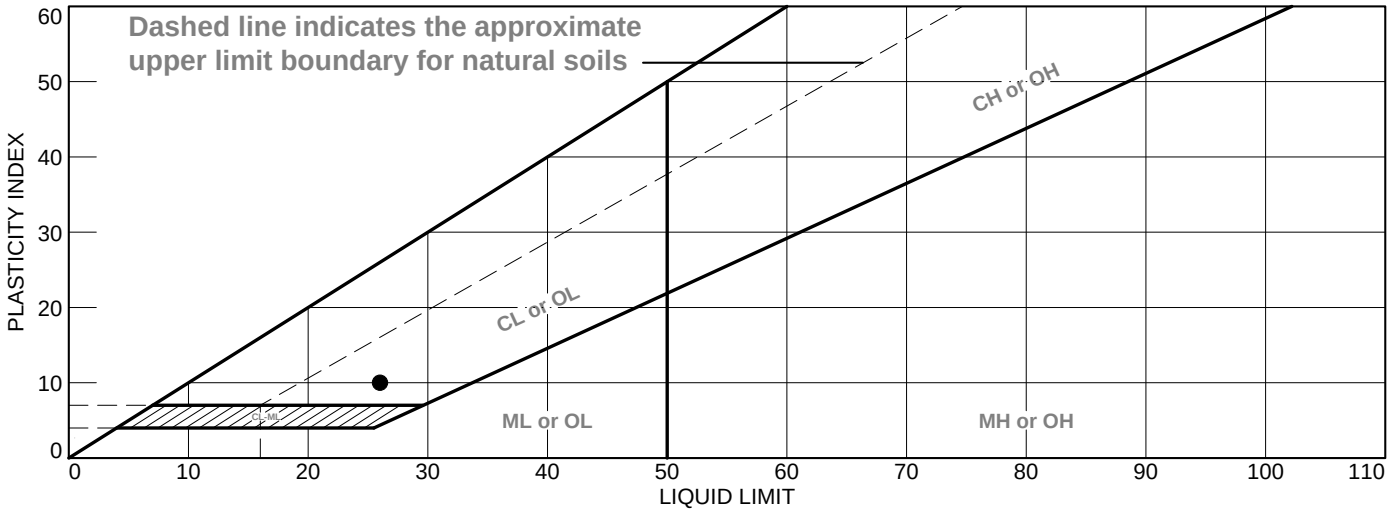
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F-M SAND - BROWN	26	16	10			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-203B **Depth:** +725.6' - +728.1' **Sample No.:** OST6

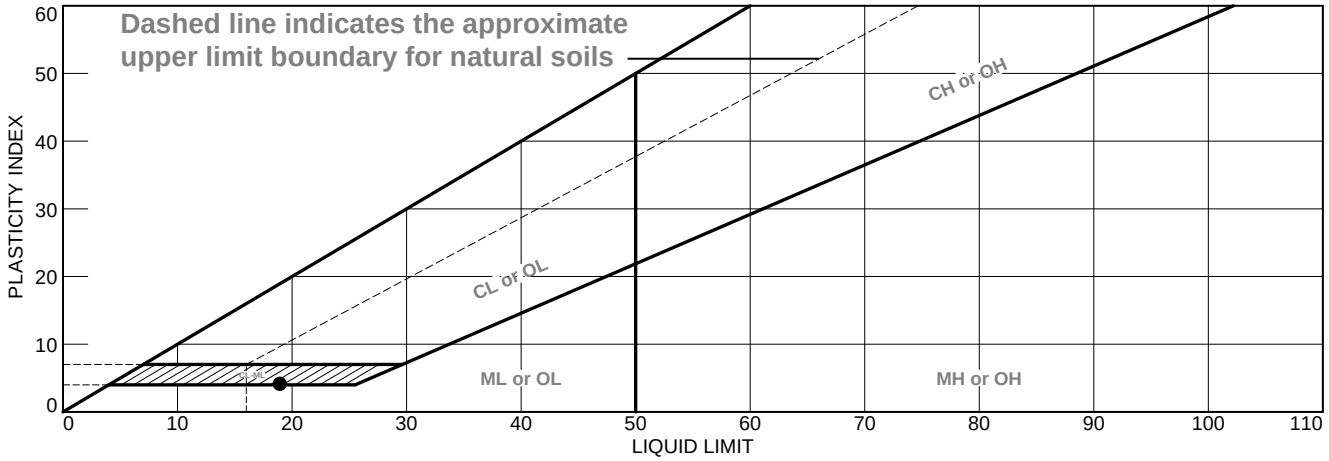
Remarks:

STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, LITTLE FINE-MEDIUM SAND - BROWN	19	15	4			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

●**Sample Source:** Boring 09-203B2 **Depth:** +731.6' - +733.1' **Sample No.:** OST3

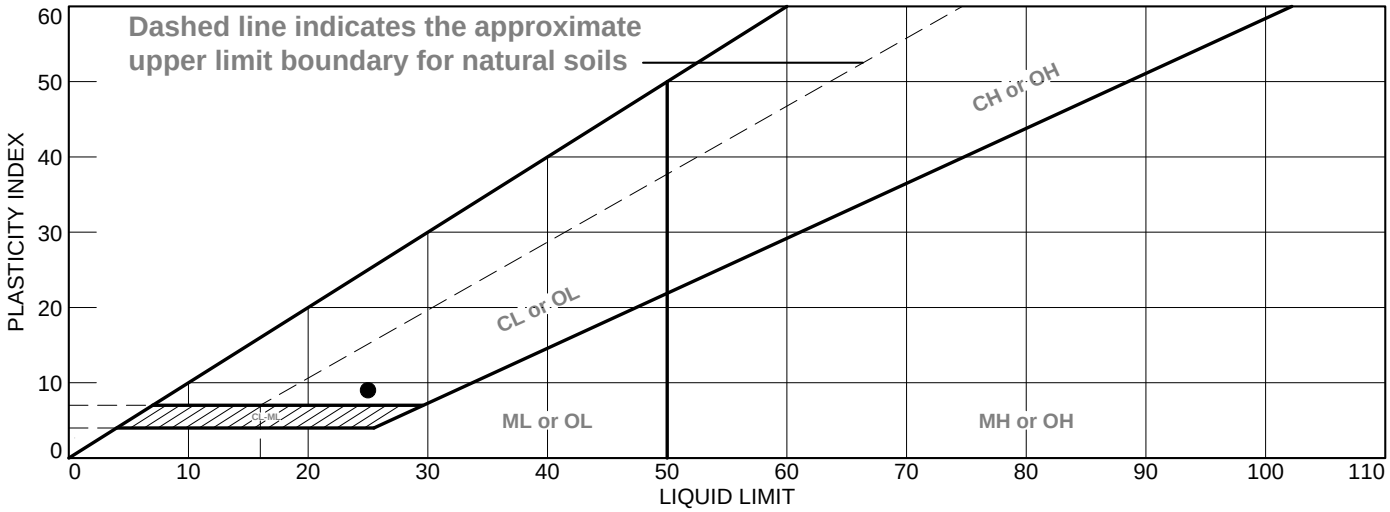
Remarks:

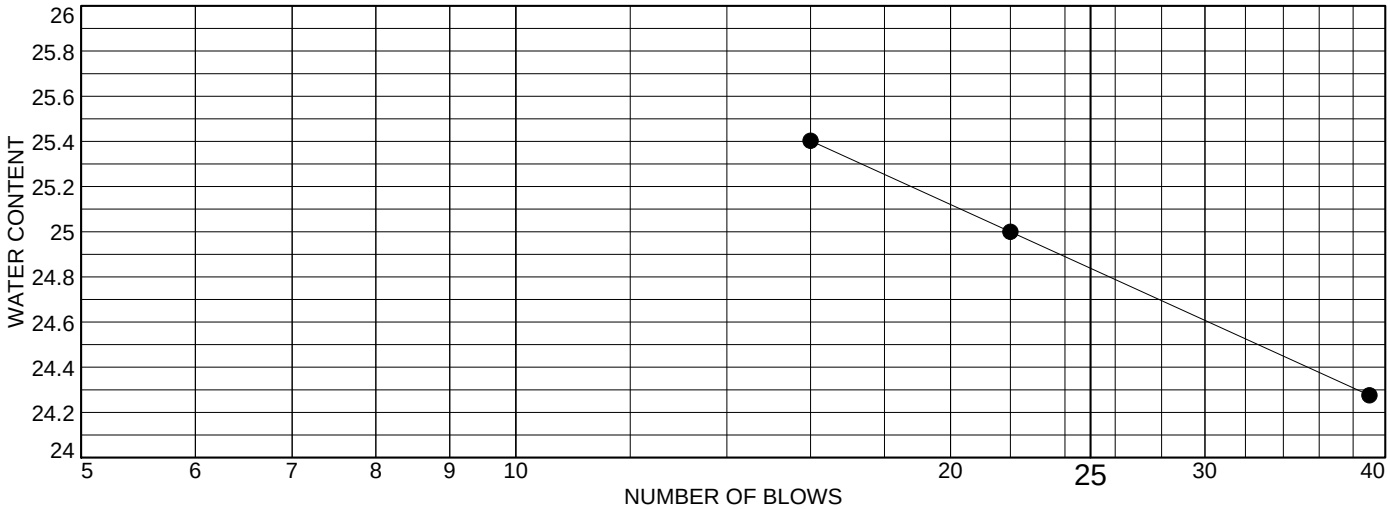
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME FINE-MEDIUM SAND - BROWN	25	16	9	99.3	72.2	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +736.6' - +738.1 **Sample No.:** ST-1

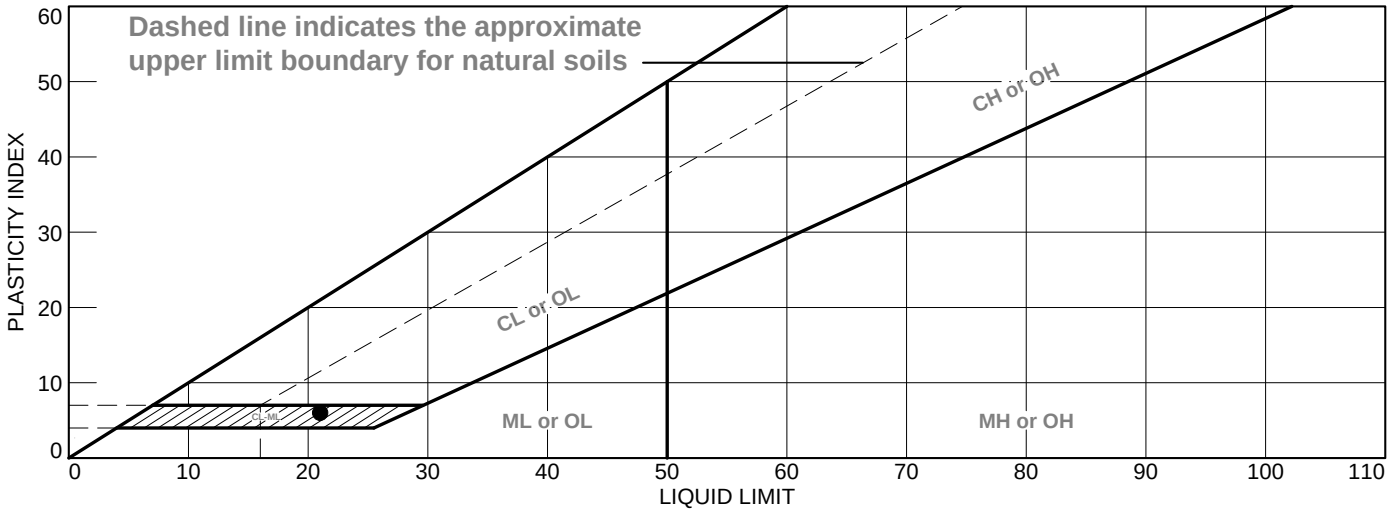
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT AND FINE-MEDIUM SAND - BROWN	21	15	6	99.1	59.6	CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +732.6' - +734.1' **Sample No.:** ST-2

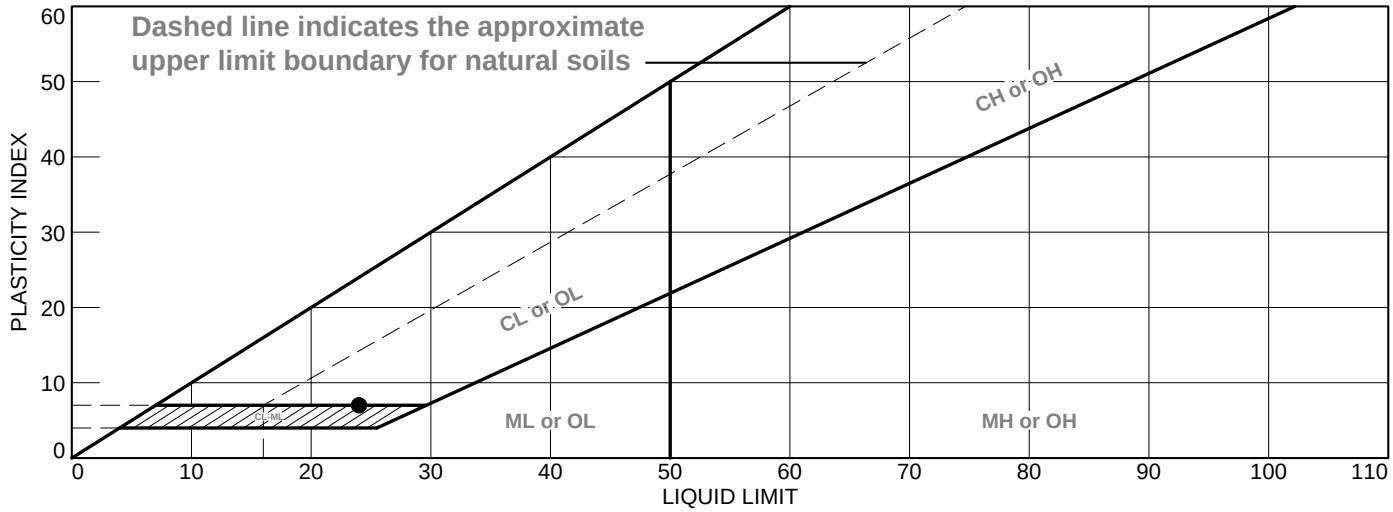
STS | AECOM

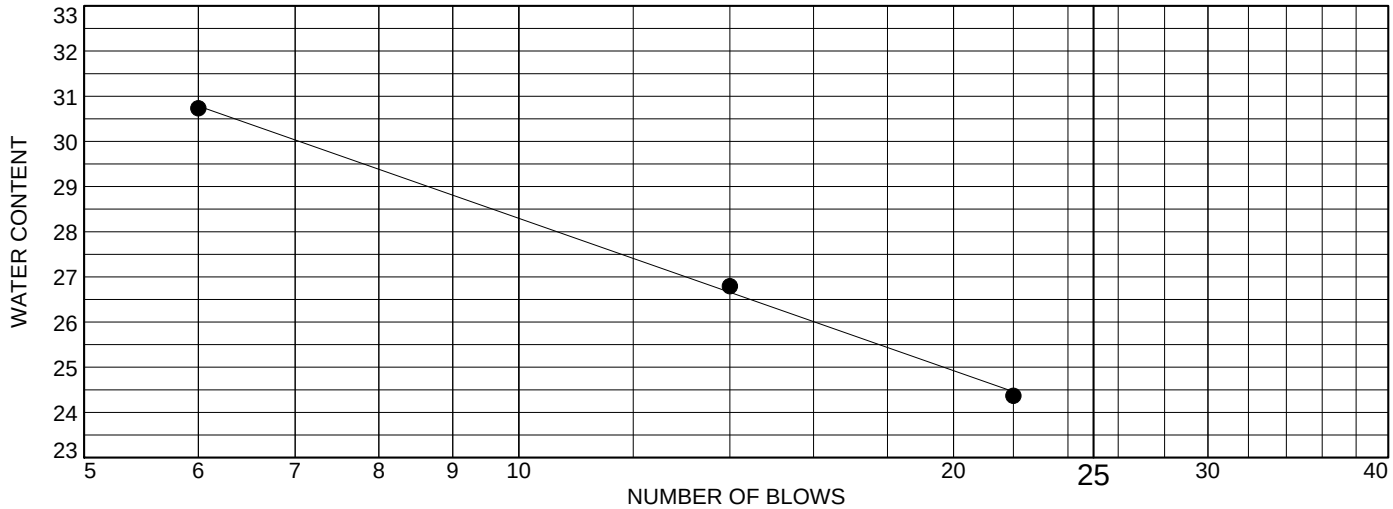
Remarks:

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, SOME FINE TO MEDIUM SAND - LIGHT BROWN	24	17	7	97.8	66.6	CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +731.1' - +732.6' **Sample No.:** ST-3

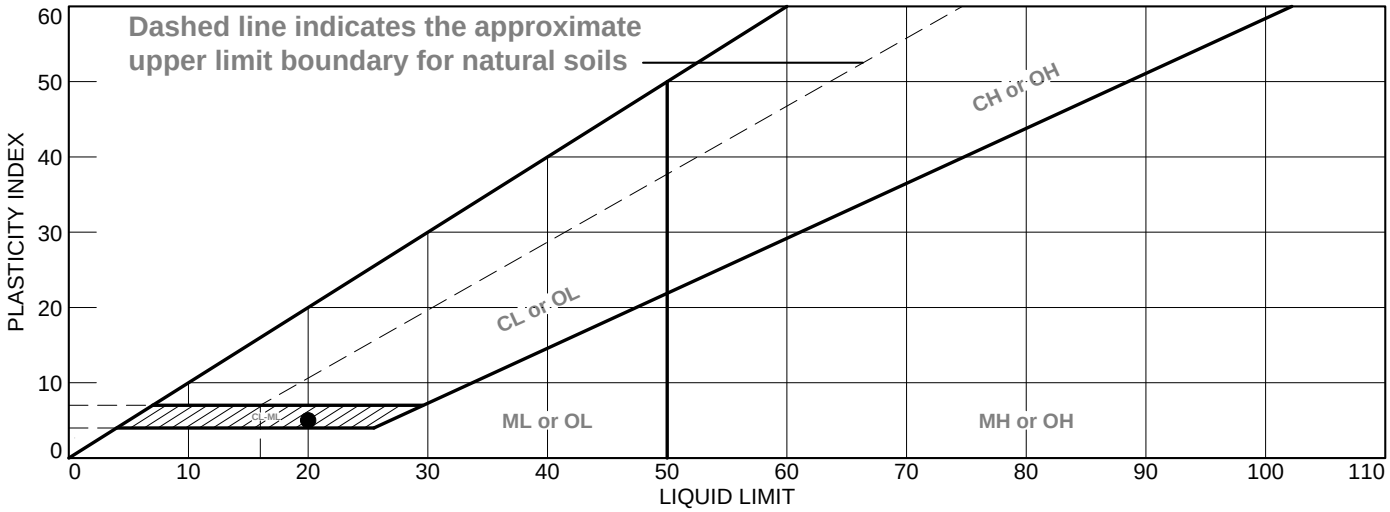
Remarks:

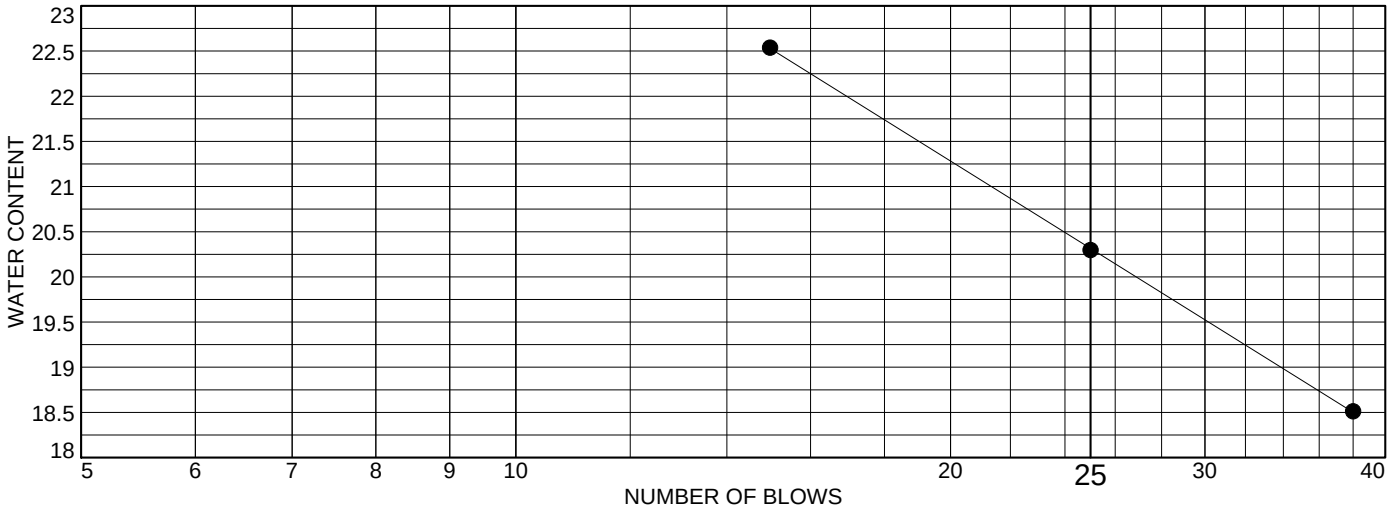
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT AND FINE TO MEDIUM SAND - BROWN	20	15	5	97.7	64.2	CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +729.6 - +731.1' **Sample No.:** ST-4

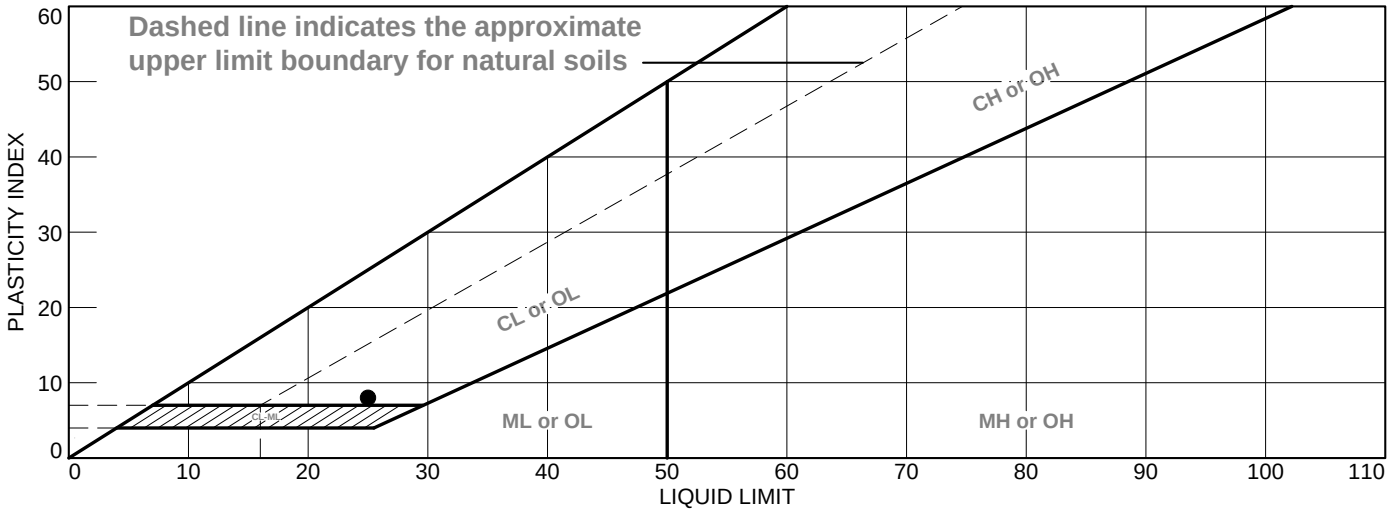
Remarks:

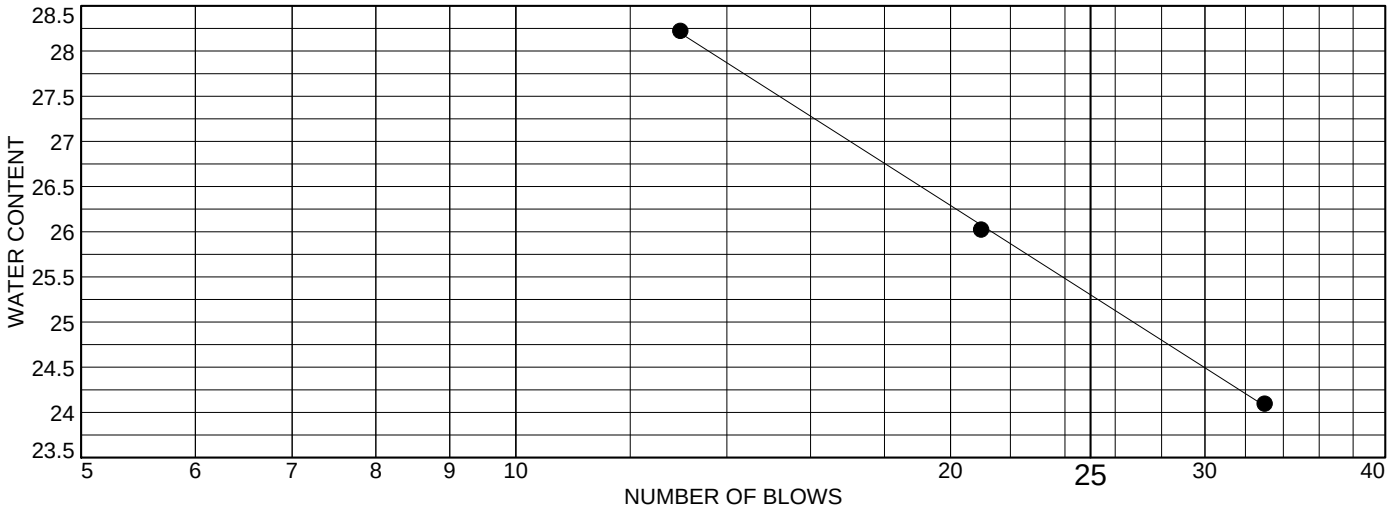
STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME FINE TO COARSE SAND, TRACE FINE GRAVEL - LIGHT BROWN	25	17	8	97.2	75.0	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +728.1' - +729.6' **Sample No.:** ST-5

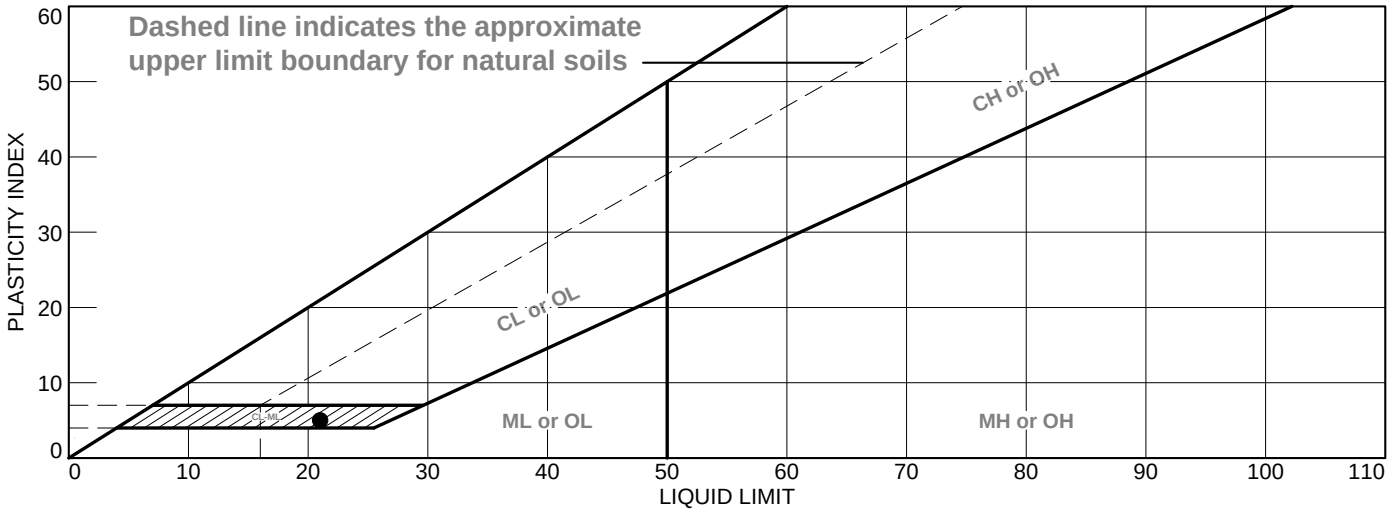
Remarks:

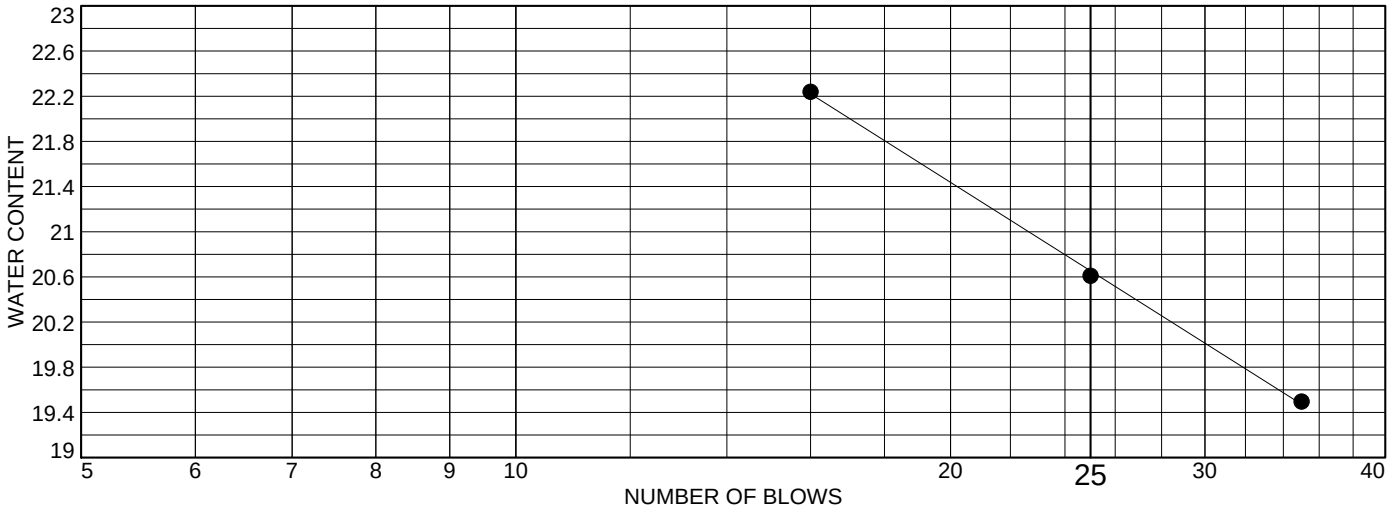
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT AND F-M SAND - BROWN	21	16	5	99.4	64.7	CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204A **Depth:** +726.6' - +728.1' **Sample No.:** ST-6

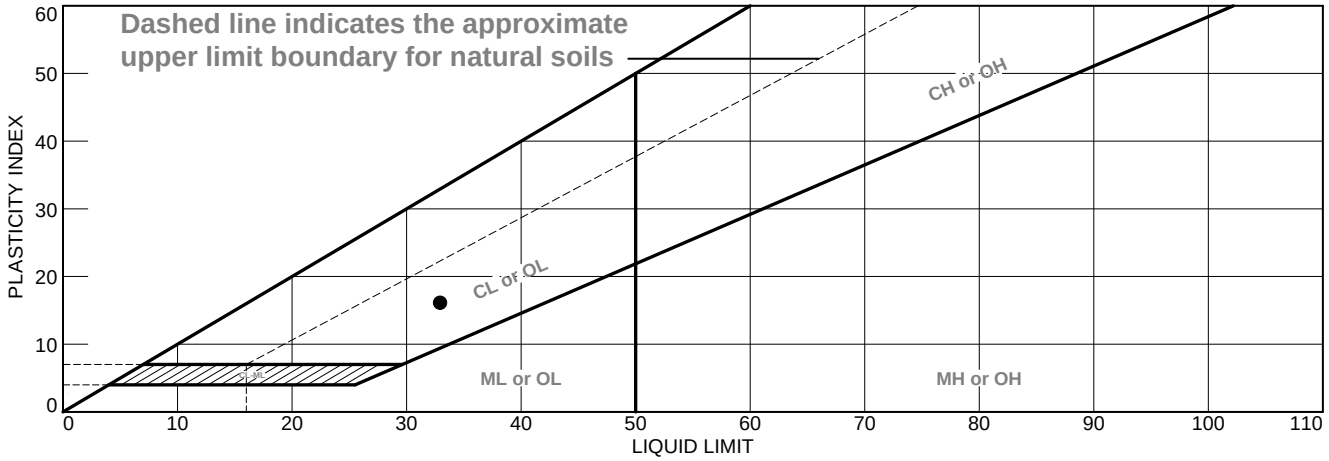
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - REDDISH BROWN	33	17	16			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

●**Sample Source:** Boring 09-204B **Depth:** +739'-+736.5' **Sample No.:** OST3

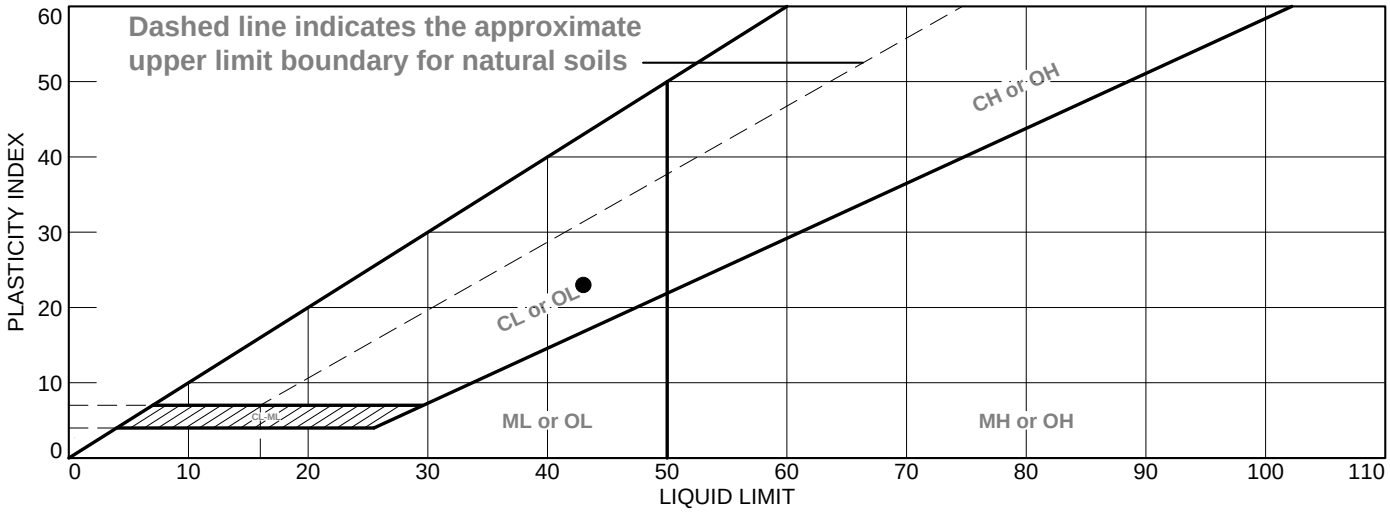
Remarks:

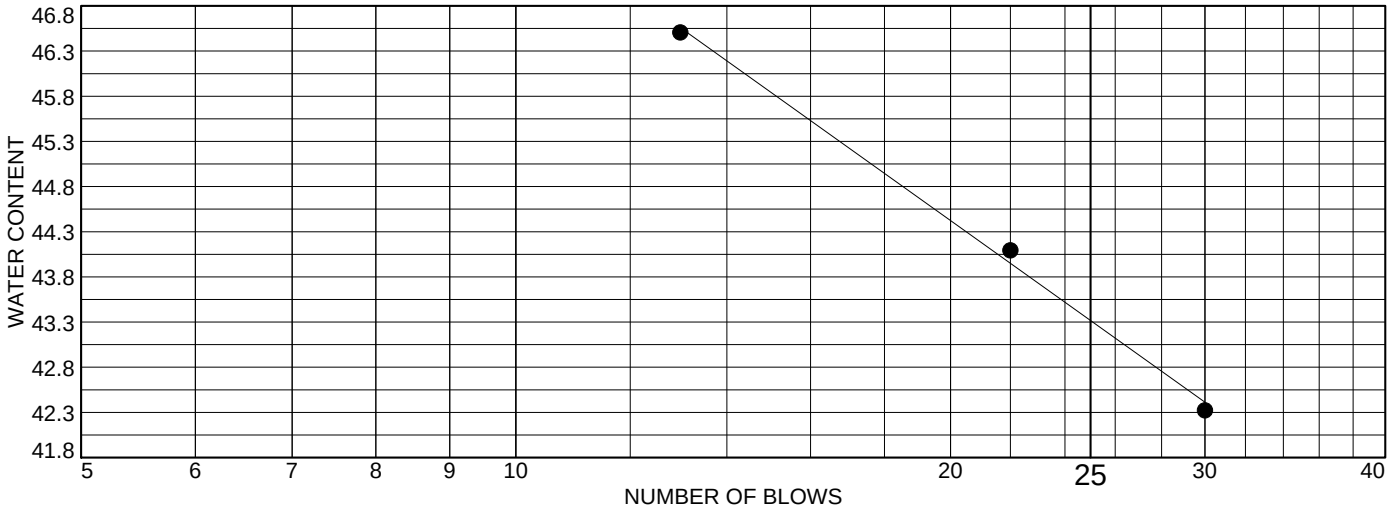
STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - REDDISH BROWN	43	20	23			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204B **Depth:** +734.5' - +737' **Sample No.:** OST4

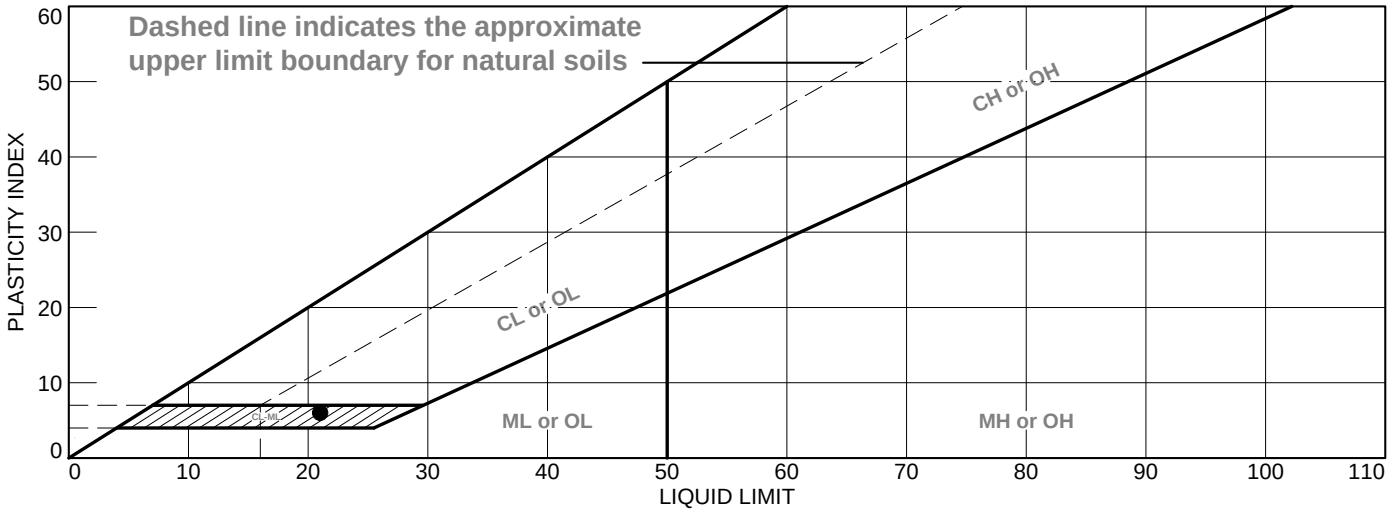
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - LIGHT BROWN	21	15	6			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204B **Depth:** +732.0' - +734.5' **Sample No.:** OST5

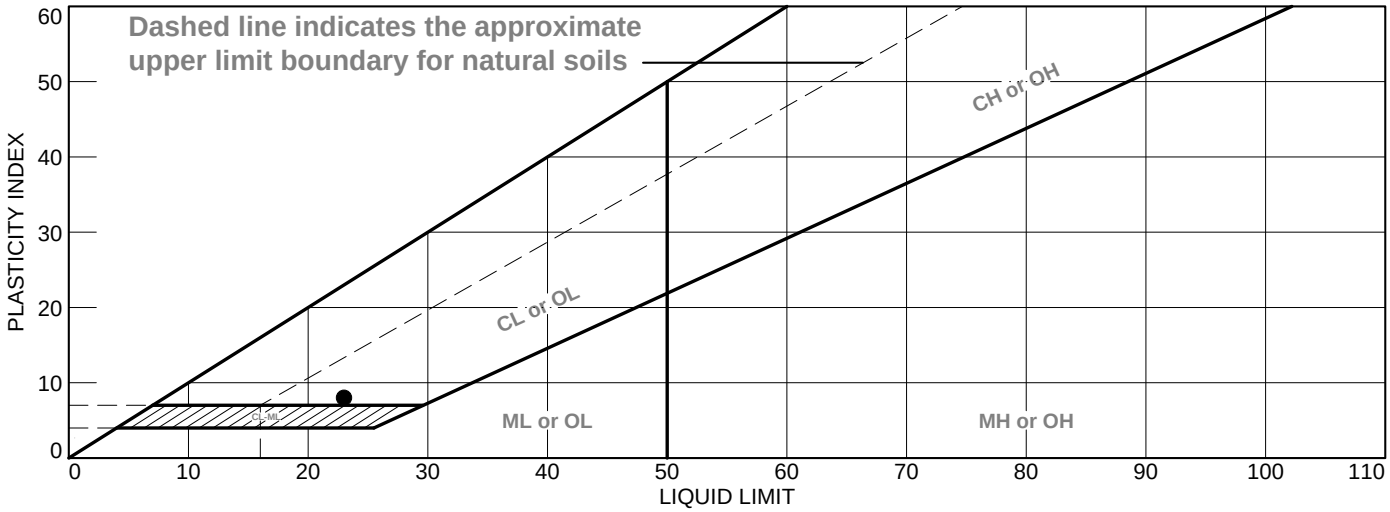
Remarks:

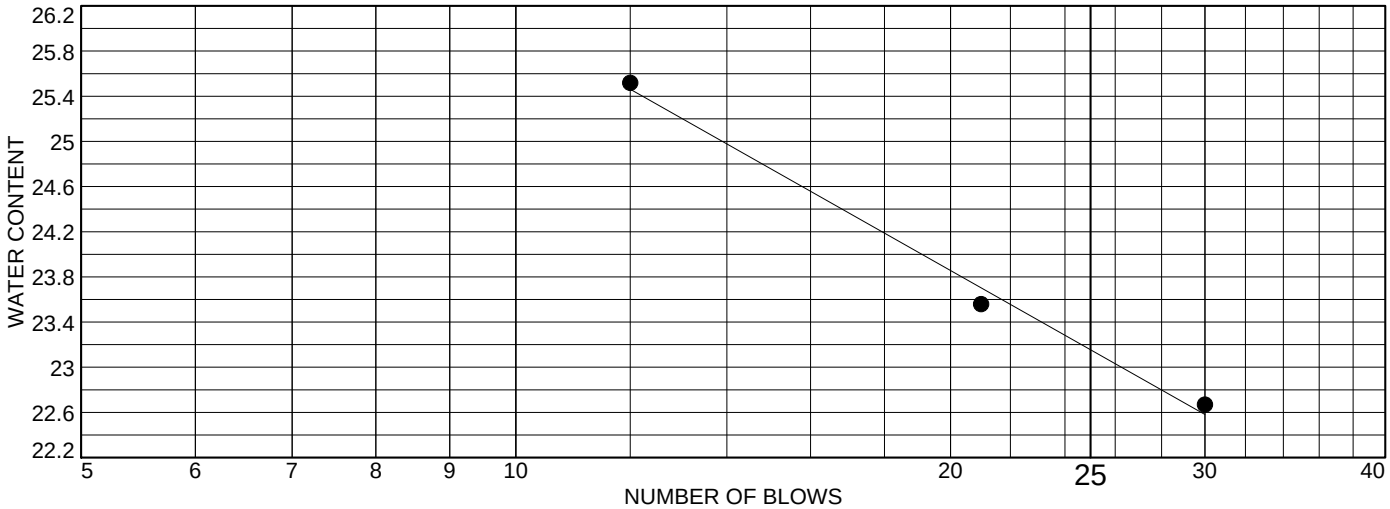
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - LIGHT BROWN	23	15	8			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204B **Depth:** +729.5' - +732.0' **Sample No.:** OST6

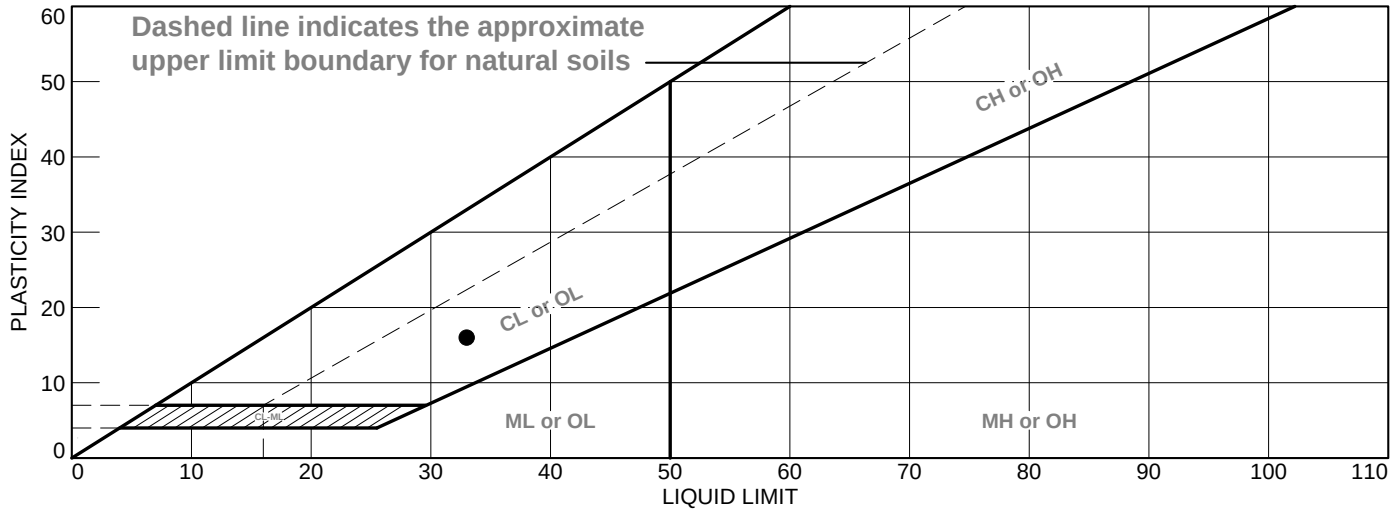
Remarks:

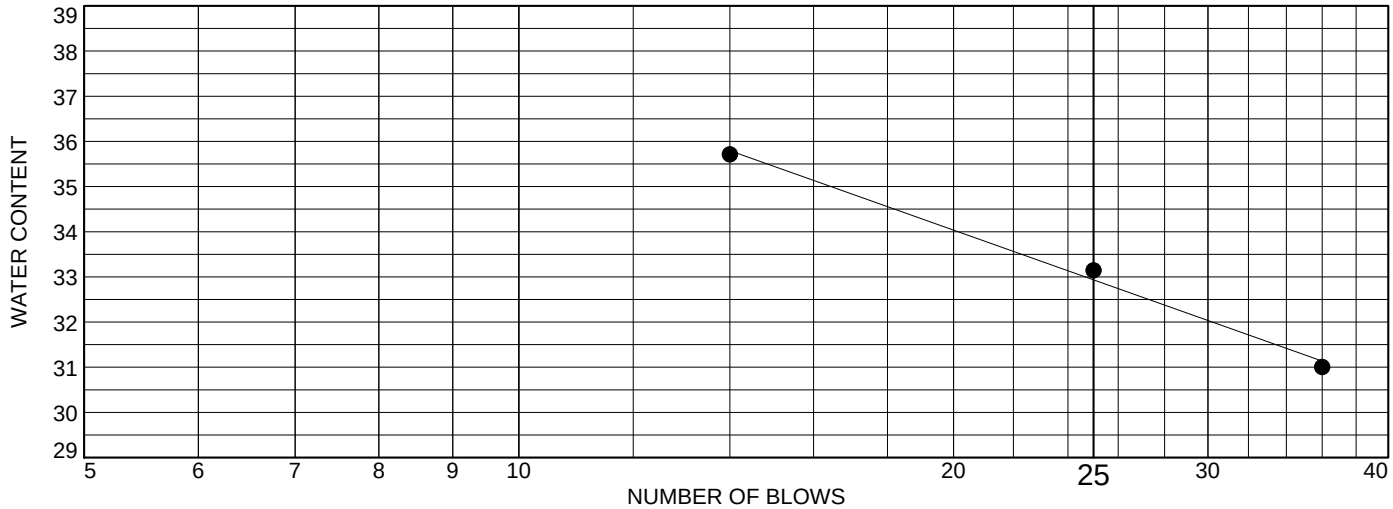
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - REDDISH BROWN	33	17	16			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-204B **Depth:** +729.5' - 730.0' **Sample No.:** OST6

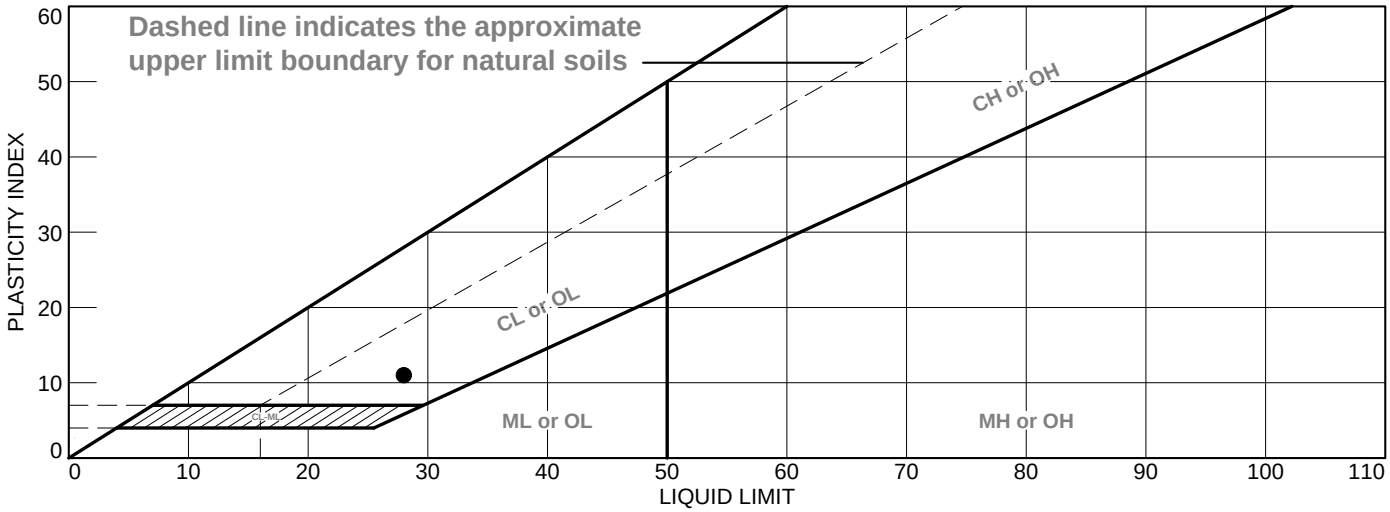
Remarks:

STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F-M SAND - BROWN	28	17	11	99.2	86.6	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-205A **Depth:** +736.4' - +737.3' **Sample No.:** ST-4

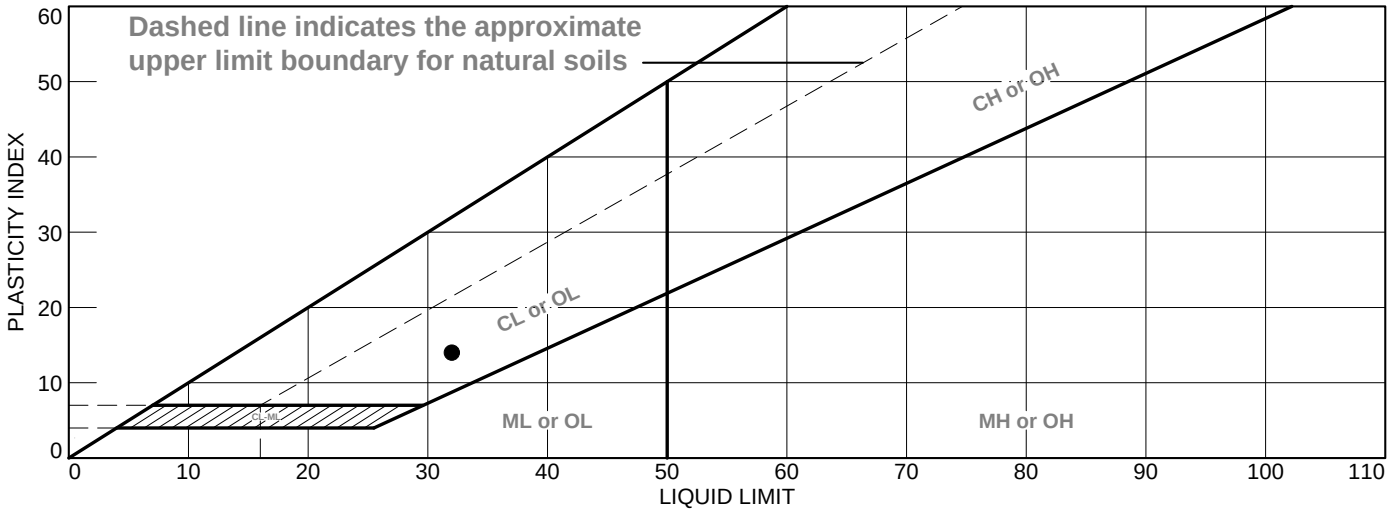
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F-M SAND - LIGHT BROWN	32	18	14	97.5	81.6	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-205A **Depth:** +734.5' - +735.2' **Sample No.:** ST-5

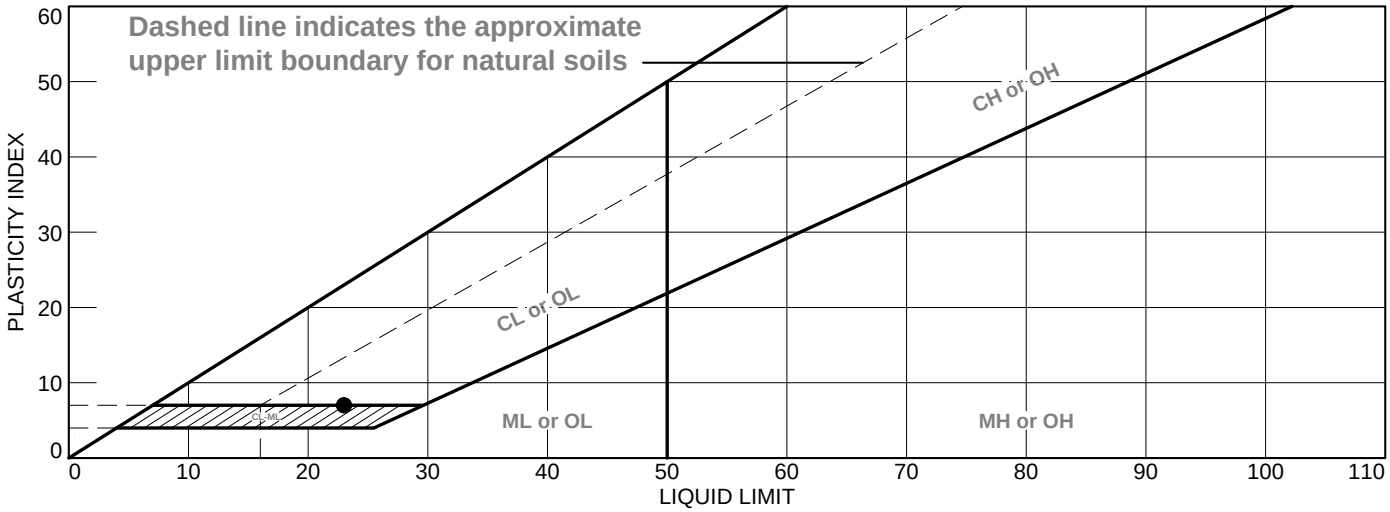
STS | AECOM

Remarks:

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, TRACE FINE SAND - LIGHT BROWN	23	16	7			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-205B **Depth:** +734.3' - +736.8' **Sample No.:** OST3

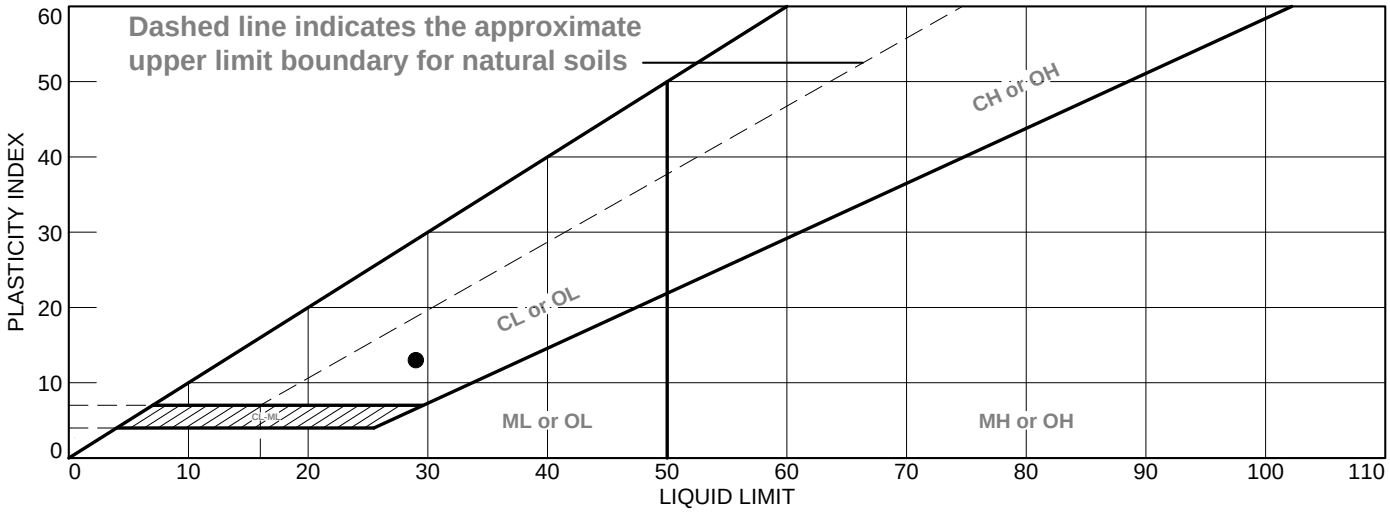
Remarks:

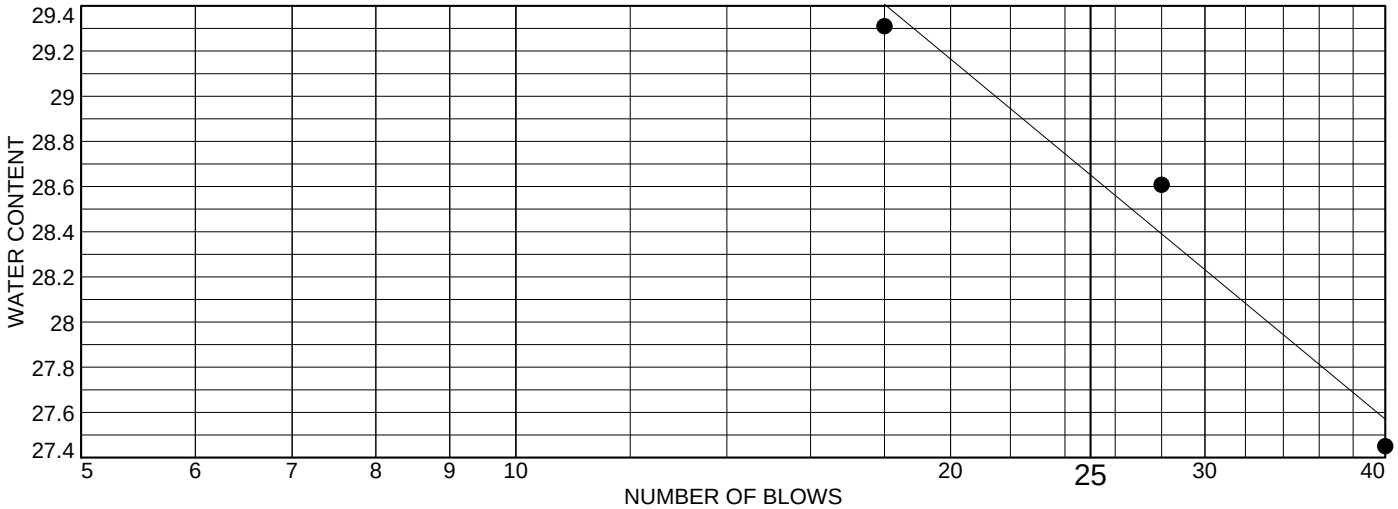
STS | AECOM

Figure

Tested By: PJP **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME F-C SAND - LIGHT BROWN	29	16	13	95.8	73.4	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +740.9' - +741.0' **Sample No.:** ST-1

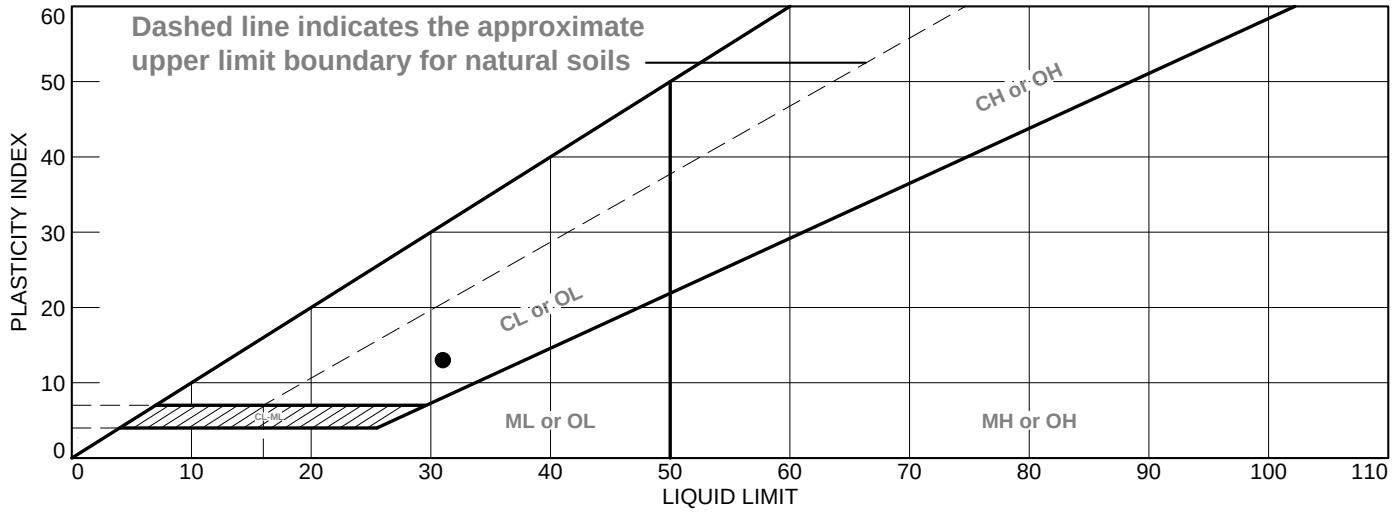
Remarks:

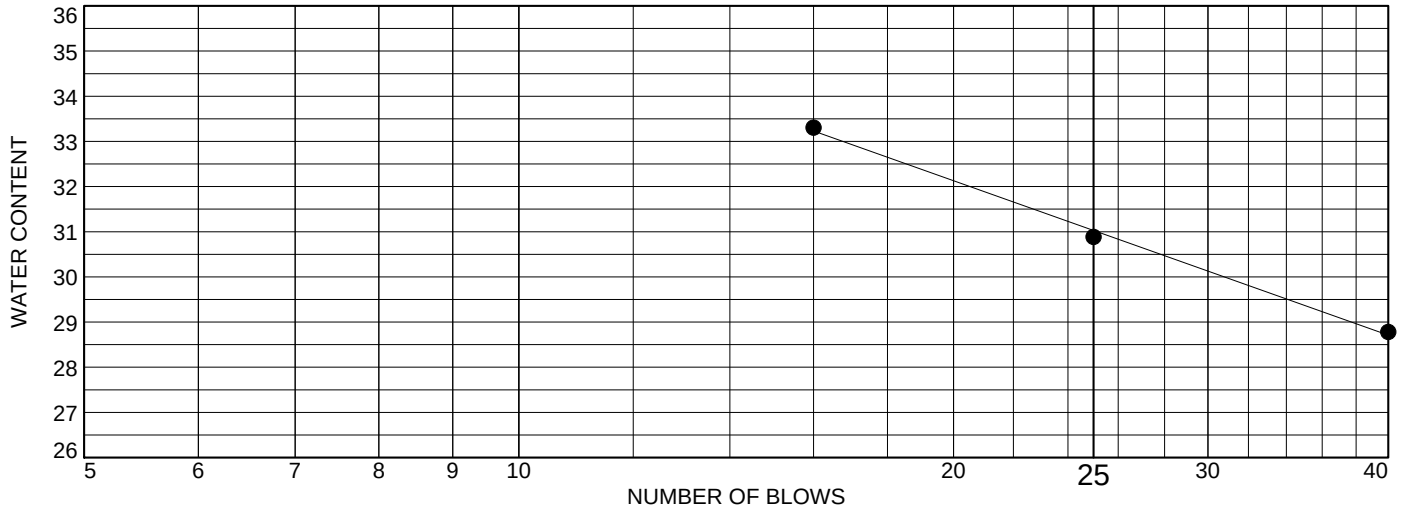
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F-M SAND - BROWN	31	18	13	99.4	89.3	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +738.8' - +739.5' **Sample No.:** ST-2

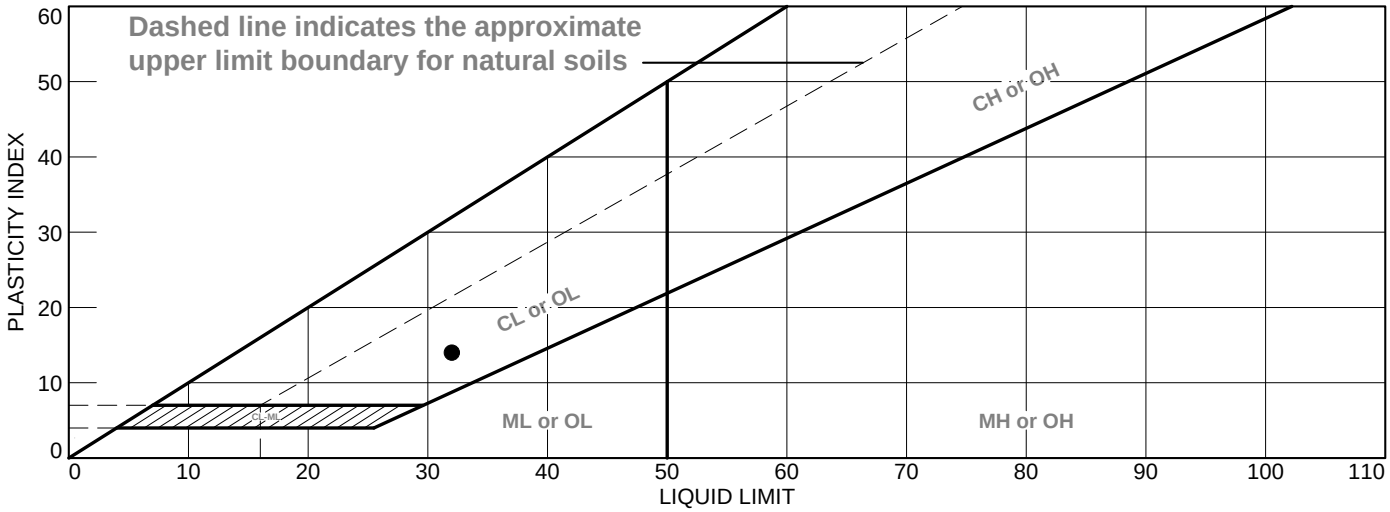
STS | AECOM

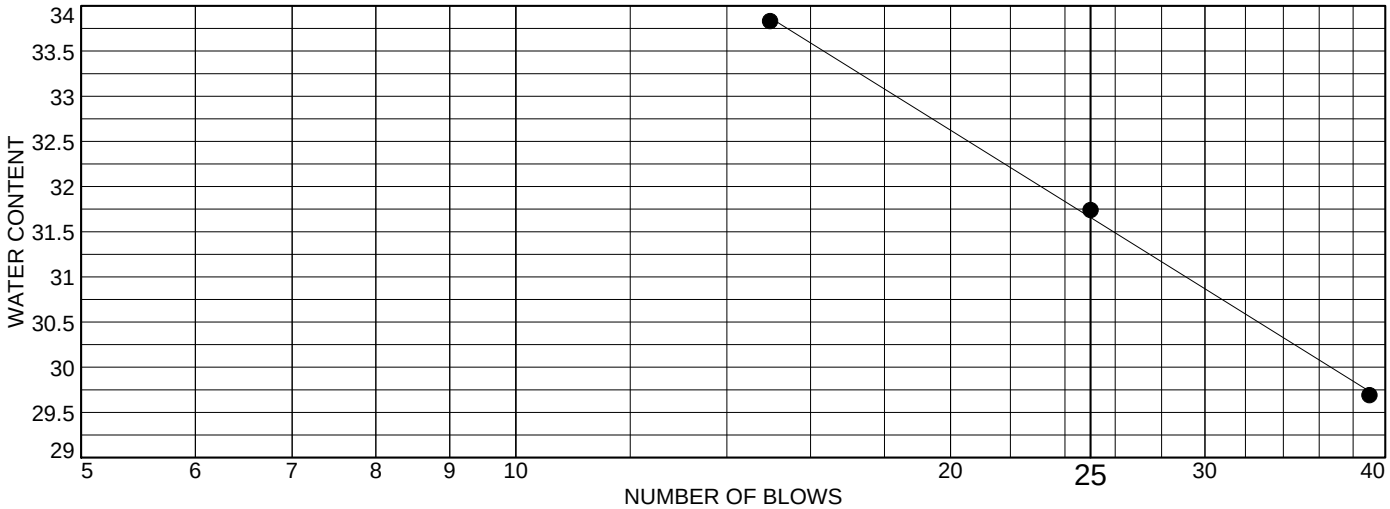
Remarks:

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	32	18	14	99.5	89.3	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +736.7' - +738.0' **Sample No.:** ST-3

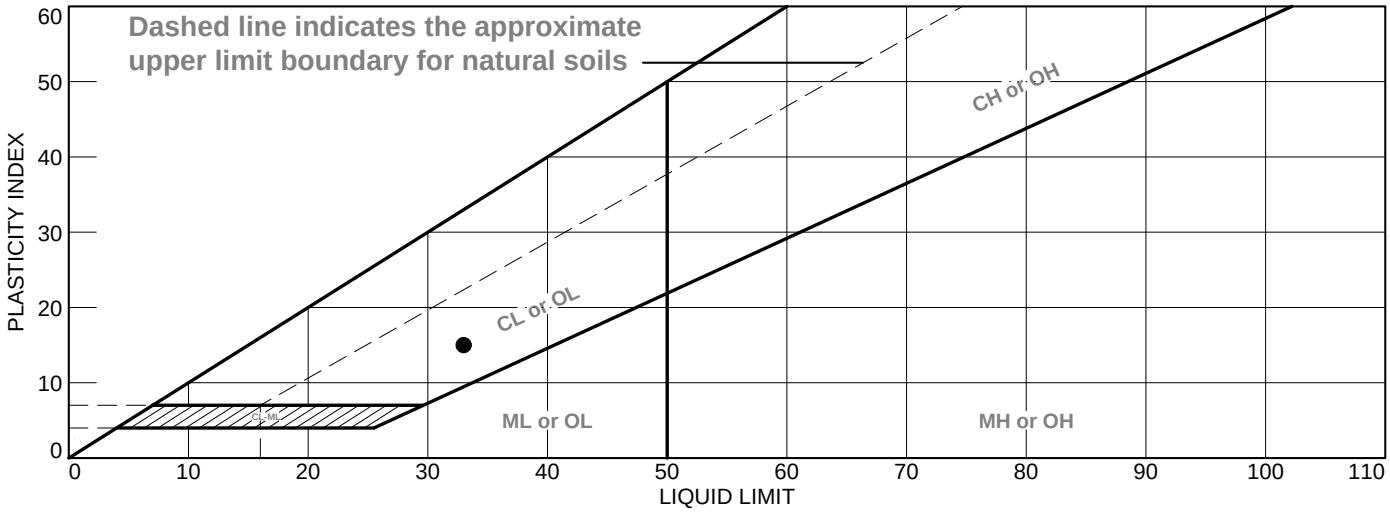
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - REDDISH BROWN	33	18	15	99.8	83.2	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +735.5' - +736.5' **Sample No.:** ST-4

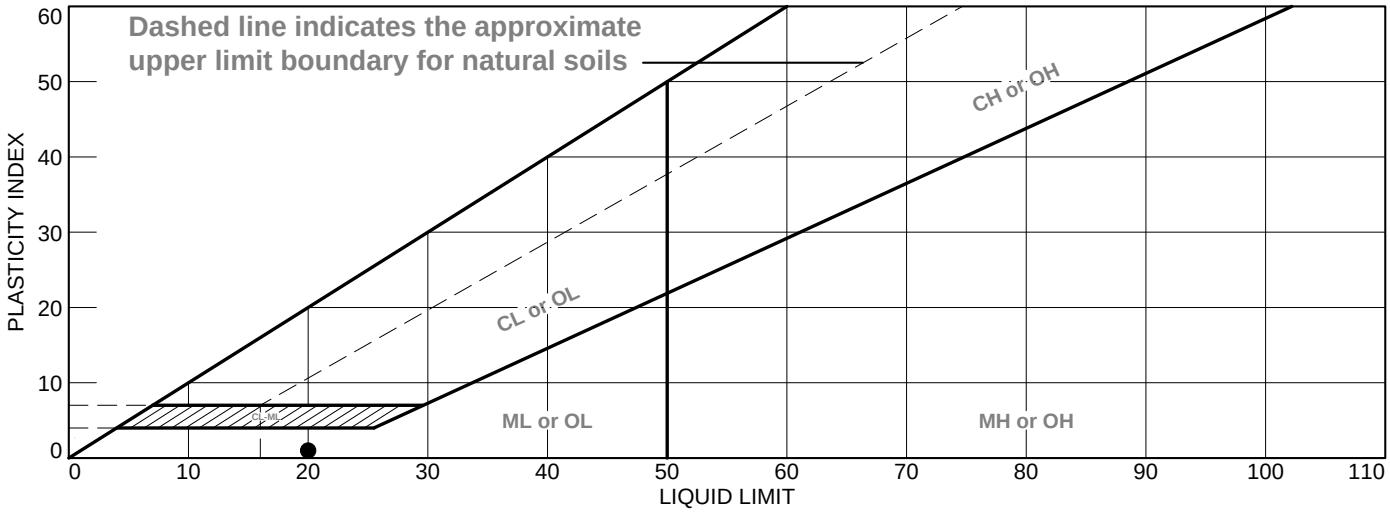
Remarks:

STS | AECOM

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILT AND FINE SAND, LITTLE CLAY - BROWN	20	19	1	99.9	57.2	ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +734.0' - +735.0' **Sample No.:** ST-5

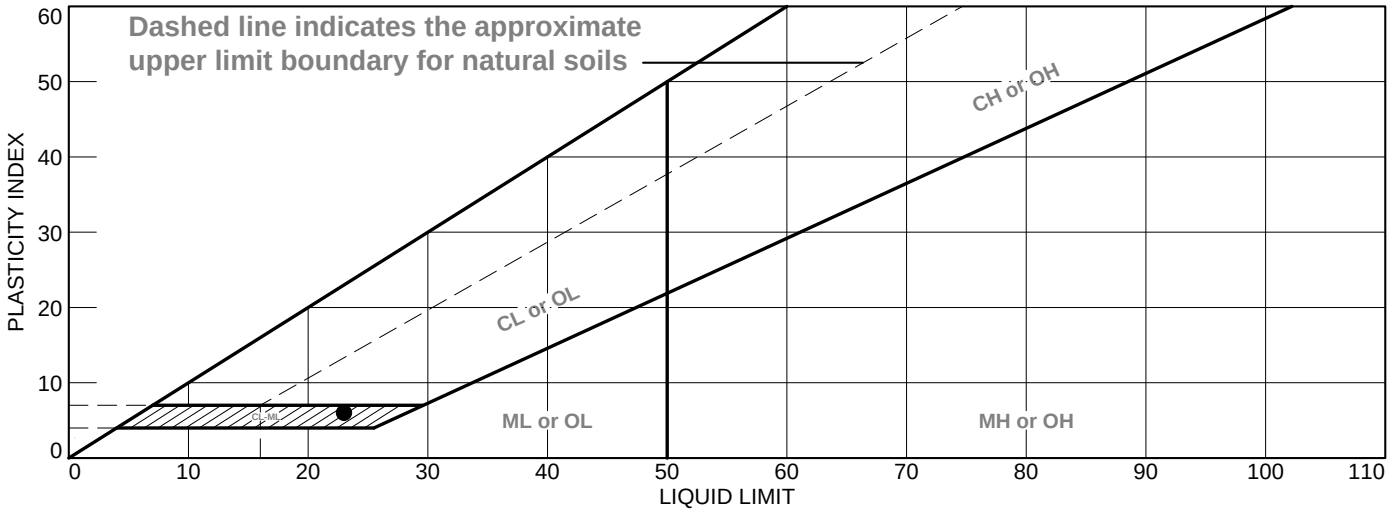
STS | AECOM

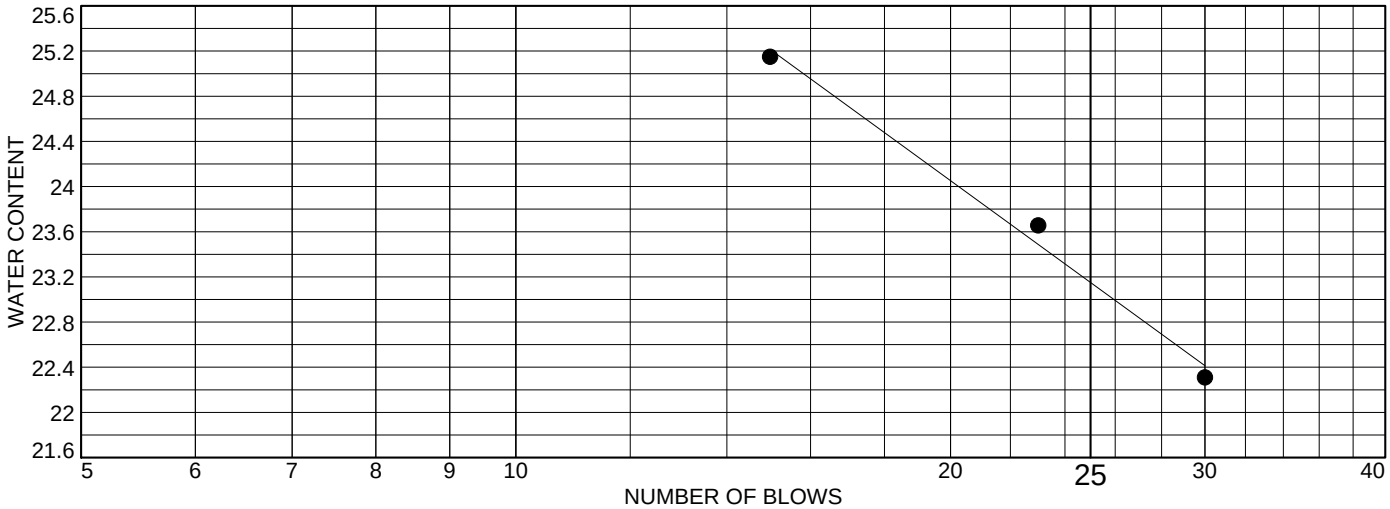
Remarks:

Figure

Tested By: BCM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT AND FINE SAND - BROWN	23	17	6	99.7	58.9	CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +732.0' - +733.5' **Sample No.:** ST-6

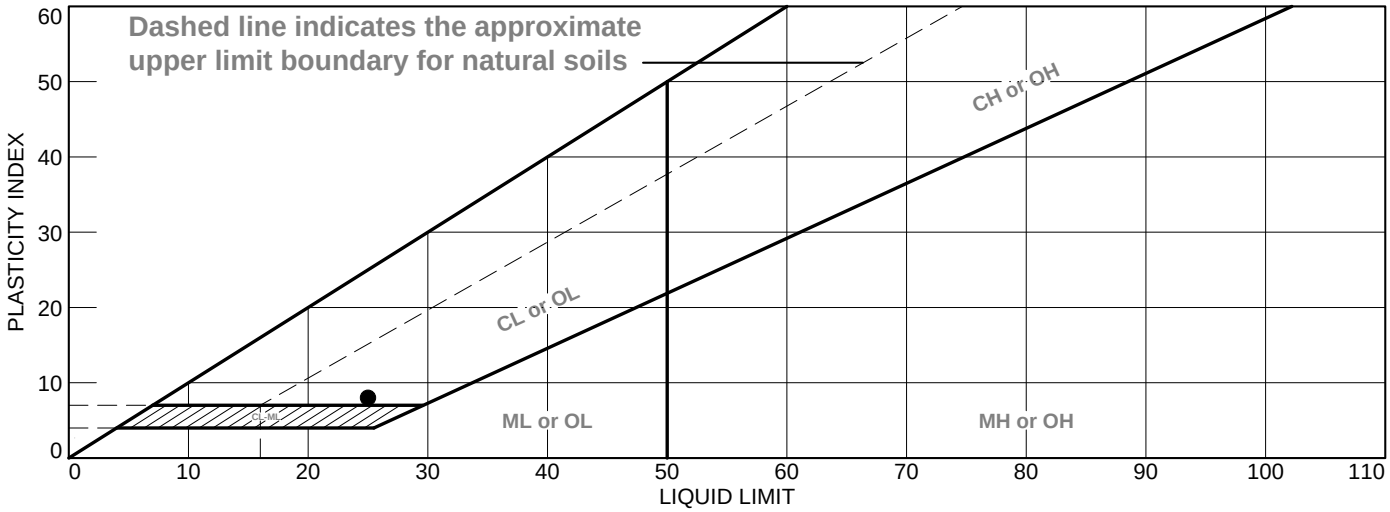
Remarks:

STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY AND FINE SAND - BROWN	25	17	8	100.0	59.4	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206A **Depth:** +730.5' - +732.0' **Sample No.:** ST-7

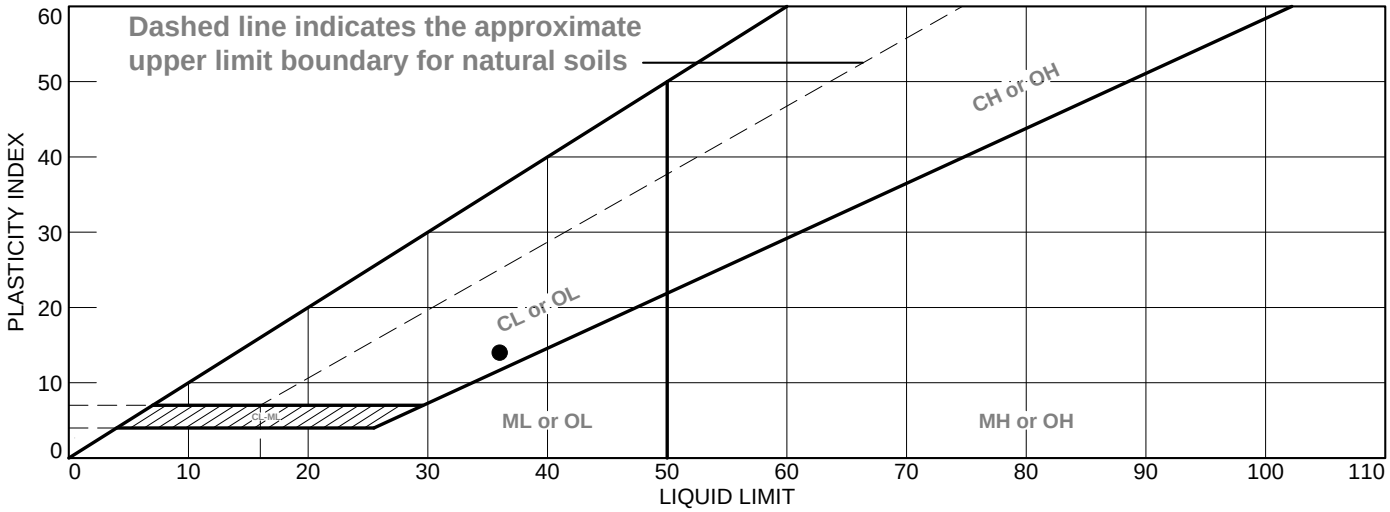
Remarks:

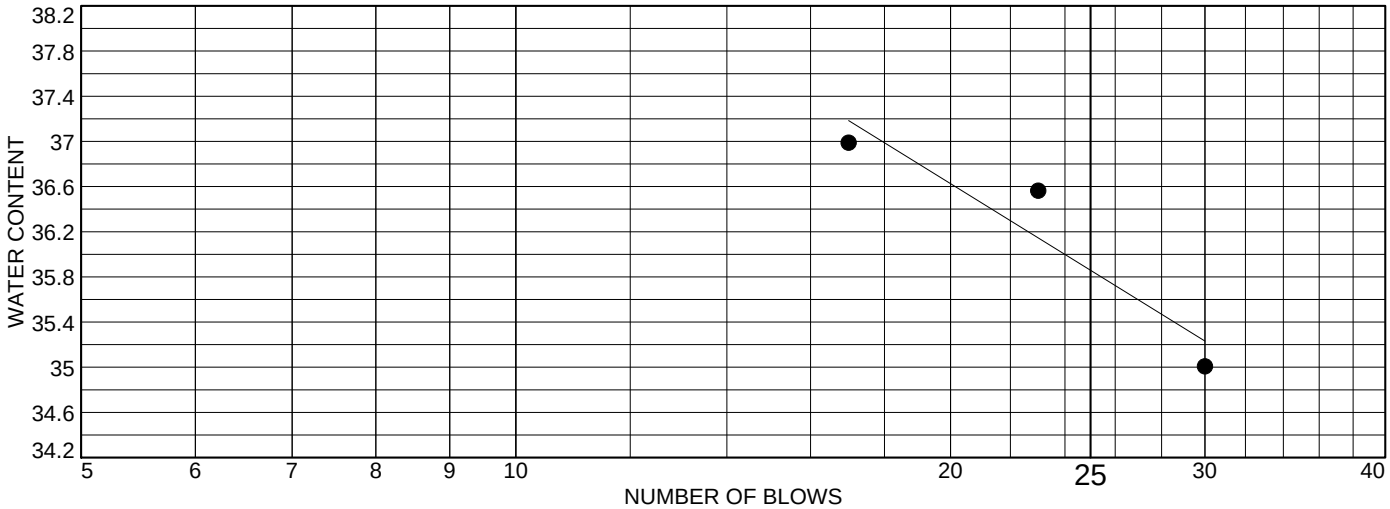
STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE F-C SAND - BROWN	36	22	14			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206B **Depth:** +737.8' - +739.6' **Sample No.:** OST3

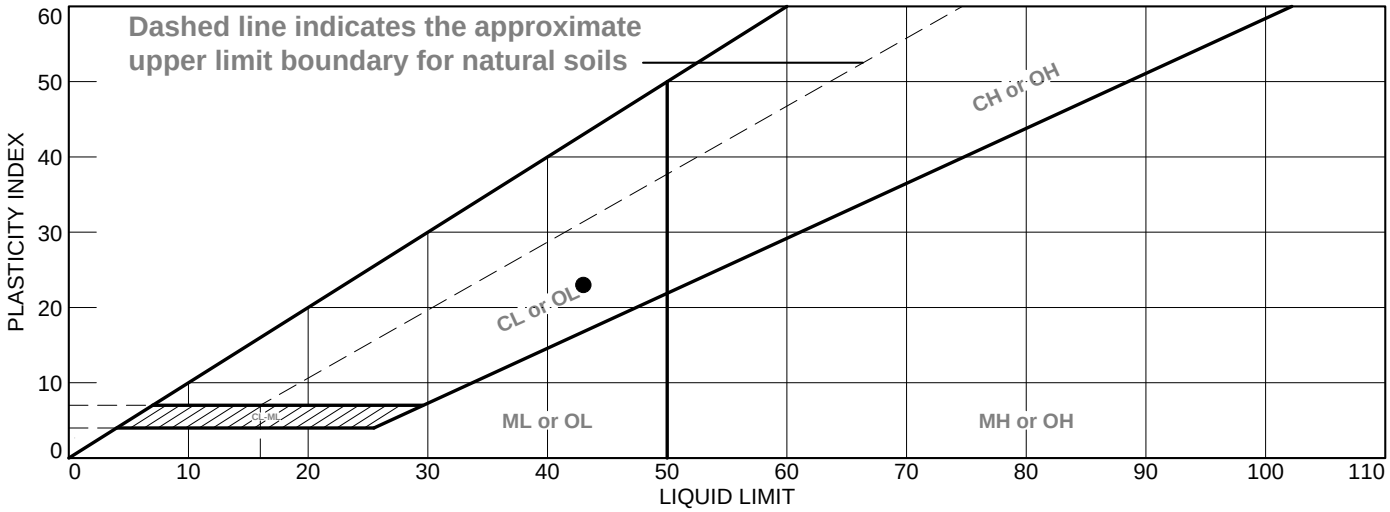
Remarks:

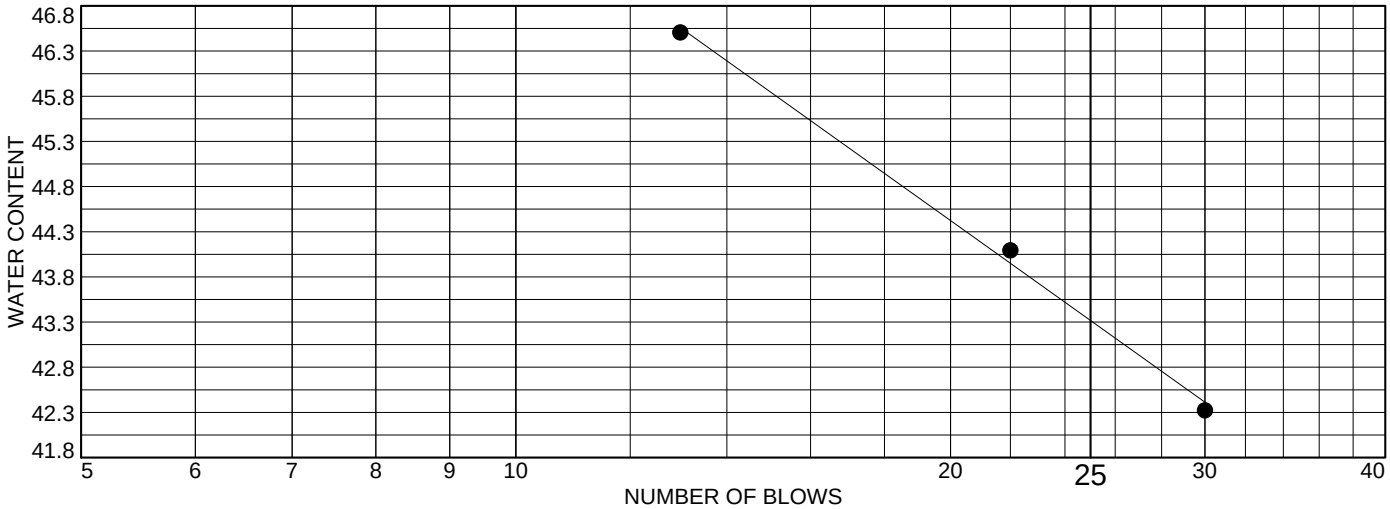
STS | AECOM

Figure

Tested By: JF **Checked By:** BCM

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE FINE SAND - REDDISH BROWN	43	20	23			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-206B **Depth:** +734.7' - +737.1' **Sample No.:** OST4

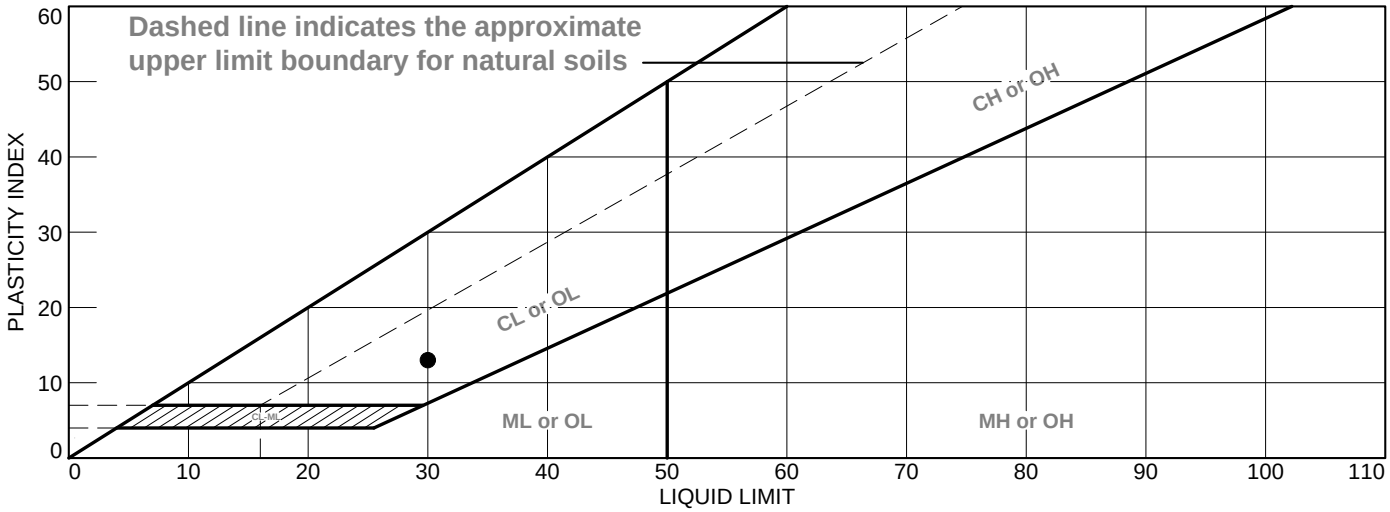
Remarks:

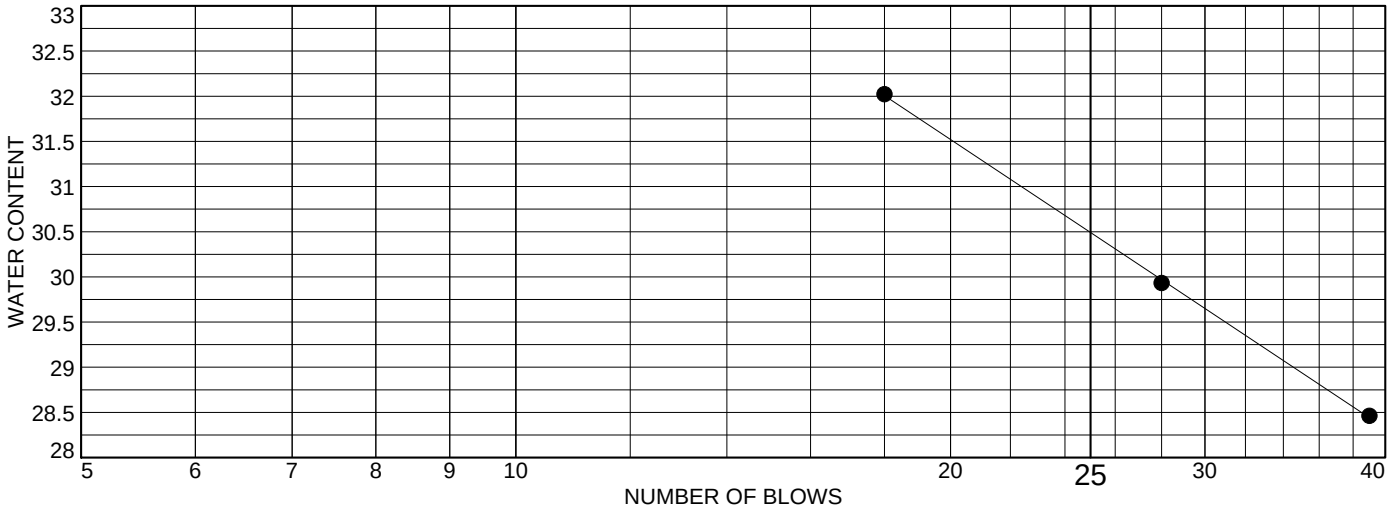
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	30	17	13	99.8	80.8	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207A **Depth:** +727.8' - +729.8' **Sample No.:** S-3

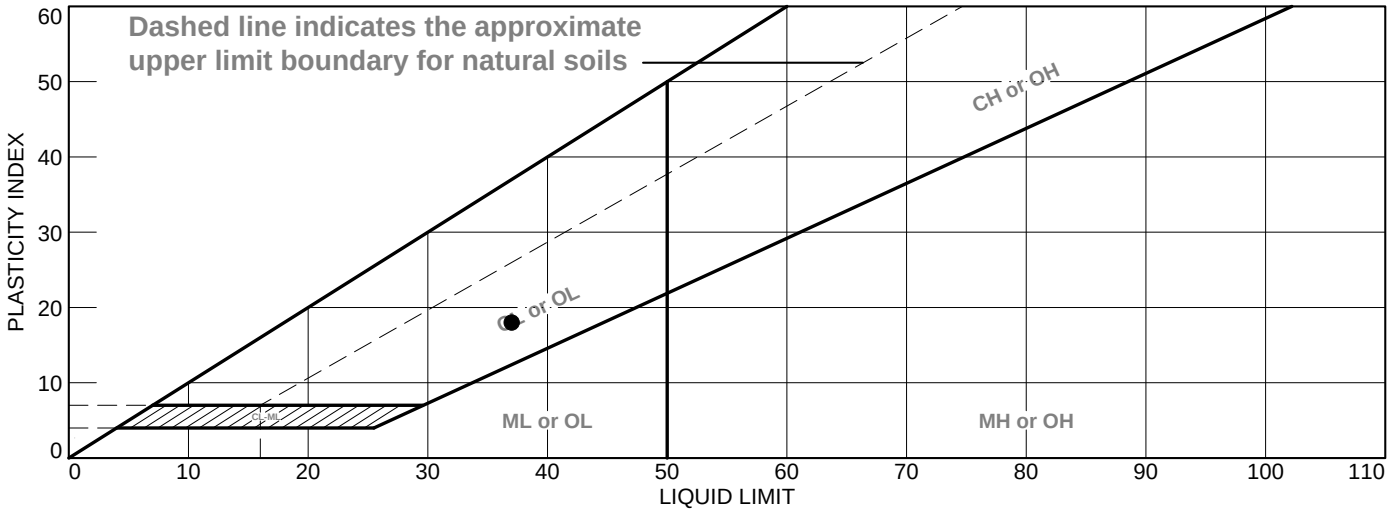
Remarks:

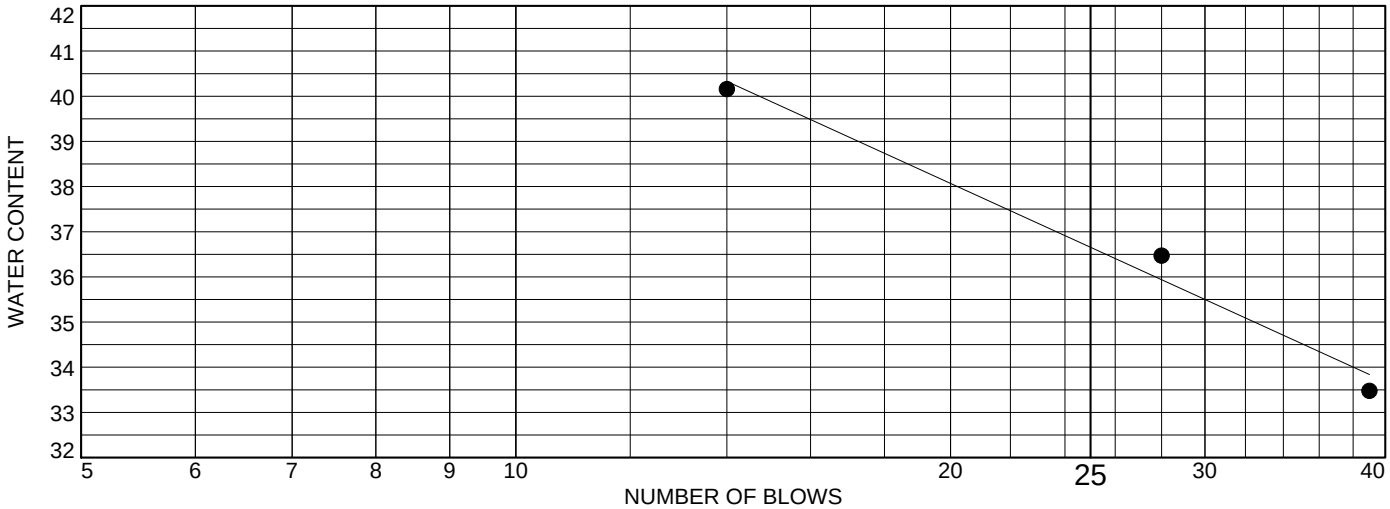
STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	37	19	18	99.9	87.7	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207A **Depth:** +726.3' - +727.8' **Sample No.:** S-4

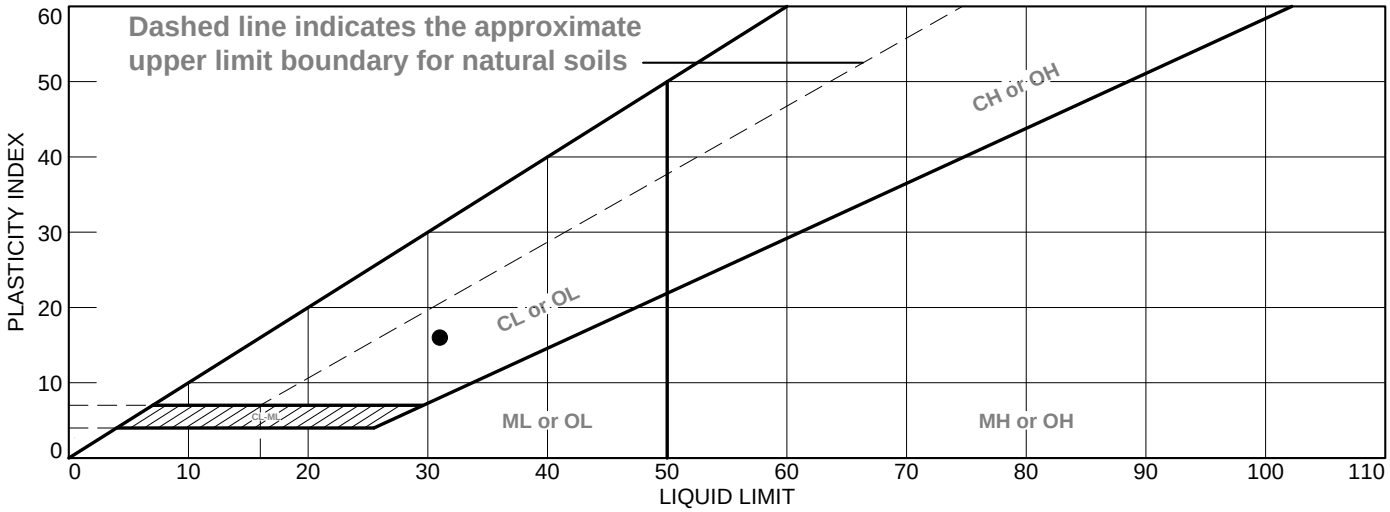
Remarks:

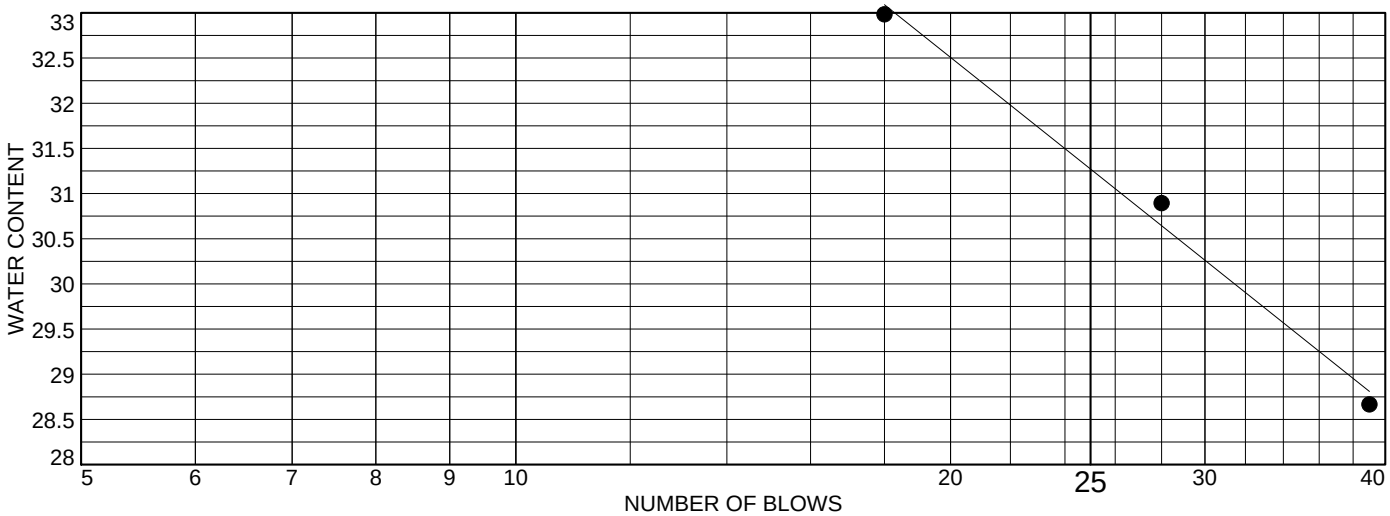
STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	31	15	16	99.9	80.2	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207A **Depth:** +724.8' - +726.3' **Sample No.:** S-5

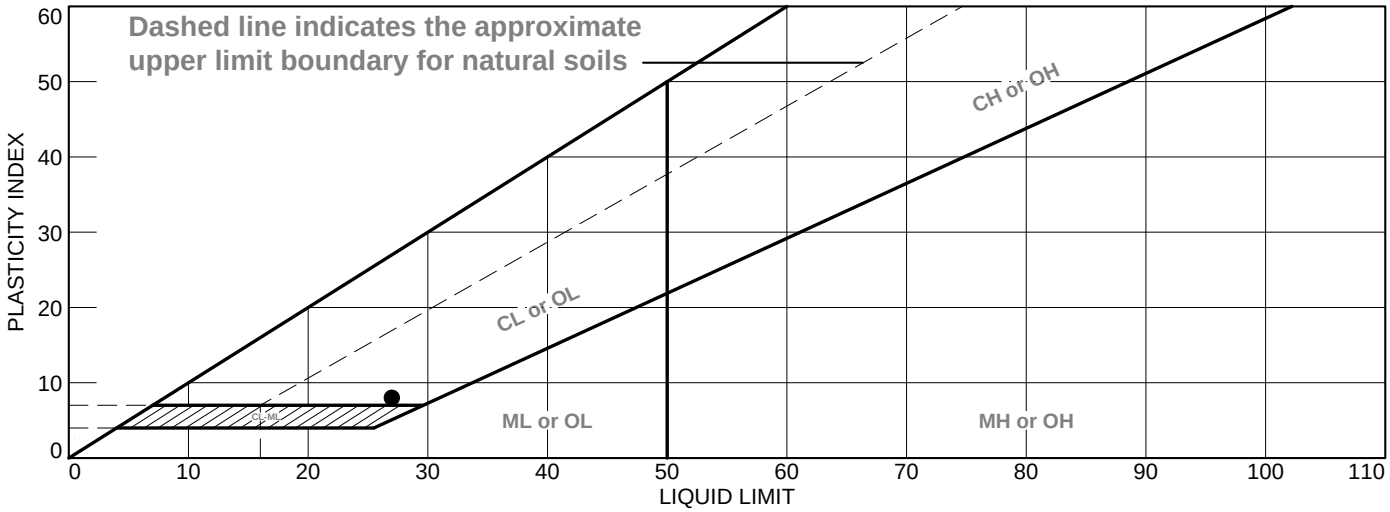
Remarks:

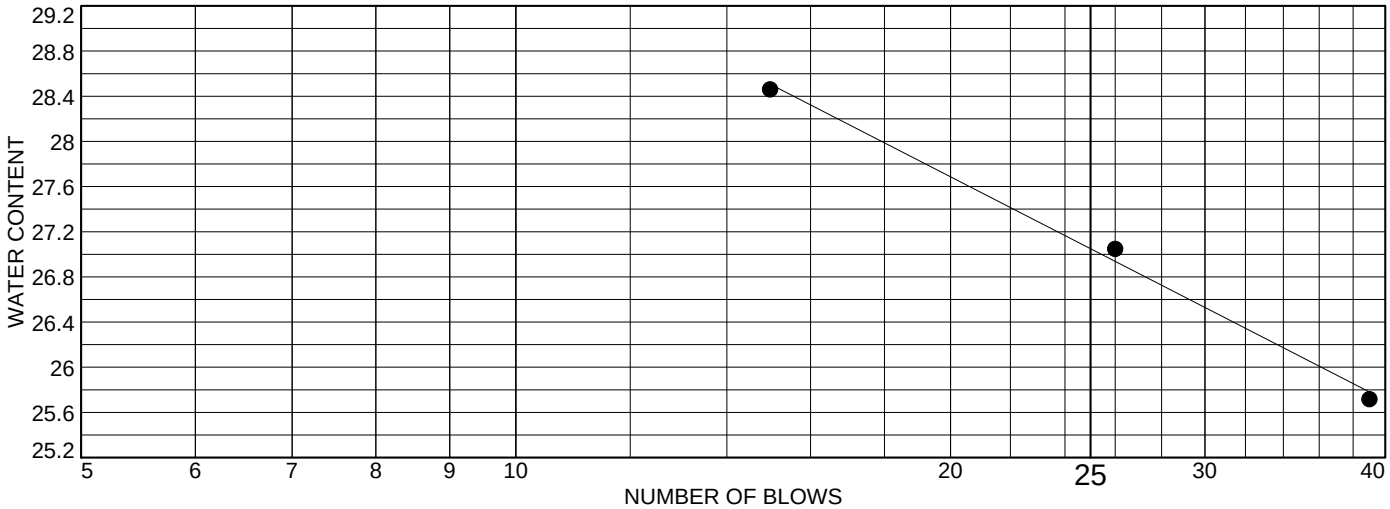
STS | AECOM

Figure

Tested By: ER **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE FINE SAND - BROWNISH GRAY	27	19	8			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207B **Depth:** +730.3' - +731.0' **Sample No.:** OST4

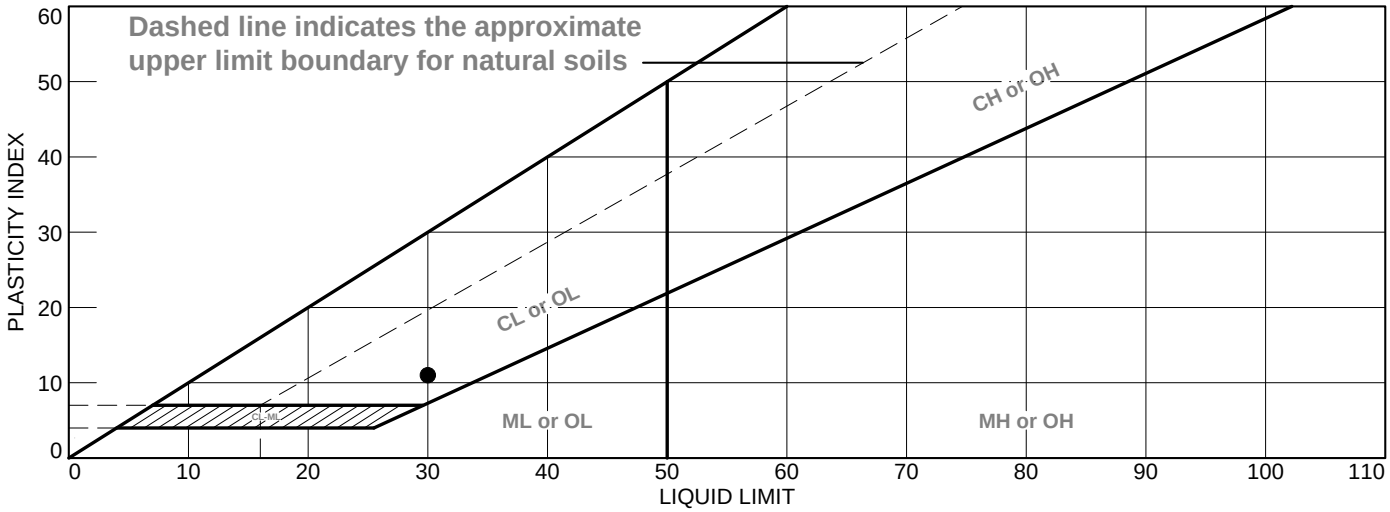
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE FINE SAND - LIGHT BROWN	30	19	11			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207B **Depth:** +724.2' - +726.8' **Sample No.:** ST-6

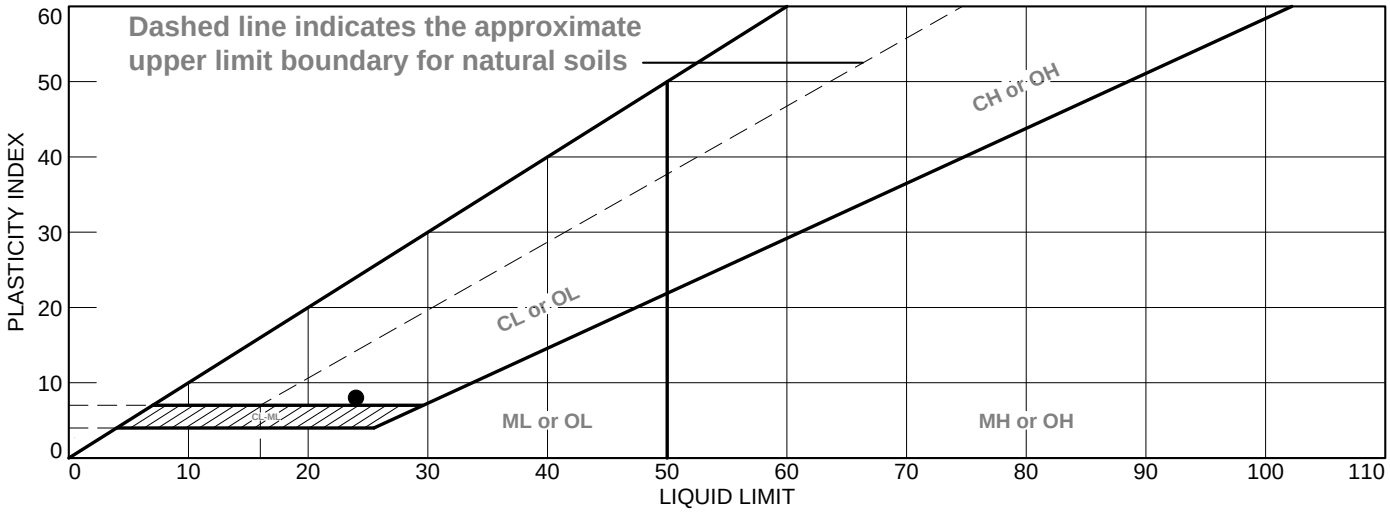
Remarks:

STS | AECOM

Figure

Tested By: MPM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	24	16	8			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-207B **Depth:** +722.1' - +724.3' **Sample No.:** ST-7

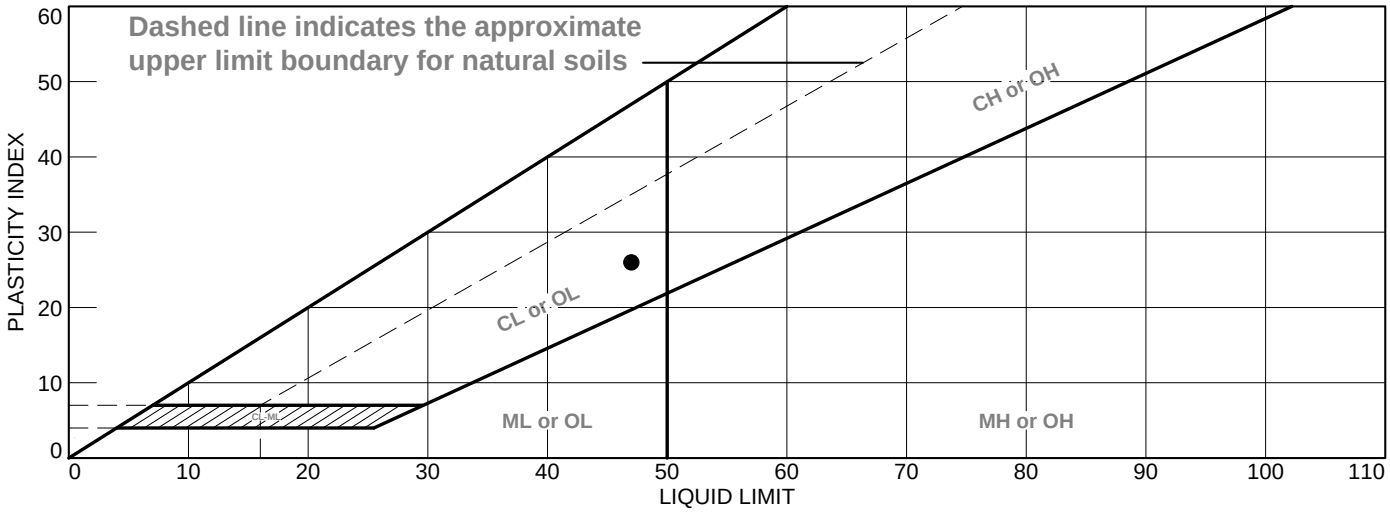
Remarks:

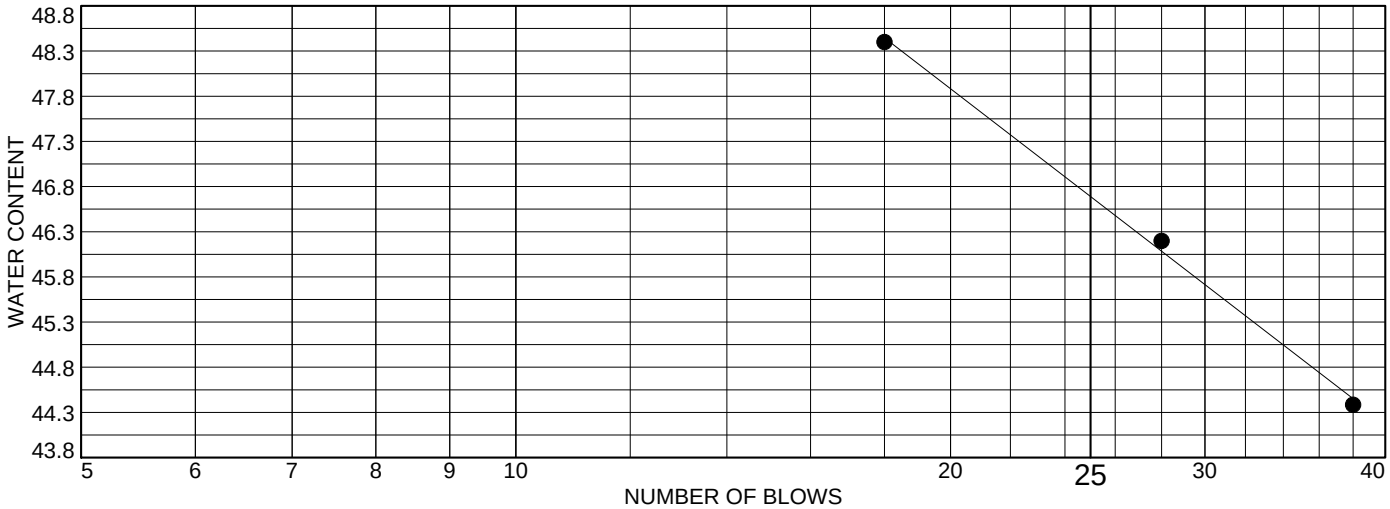
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE FINE SAND - BROWN	47	21	26	100.0	94.1	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-208A **Depth:** +735.9' - +736.9' **Sample No.:** ST-2

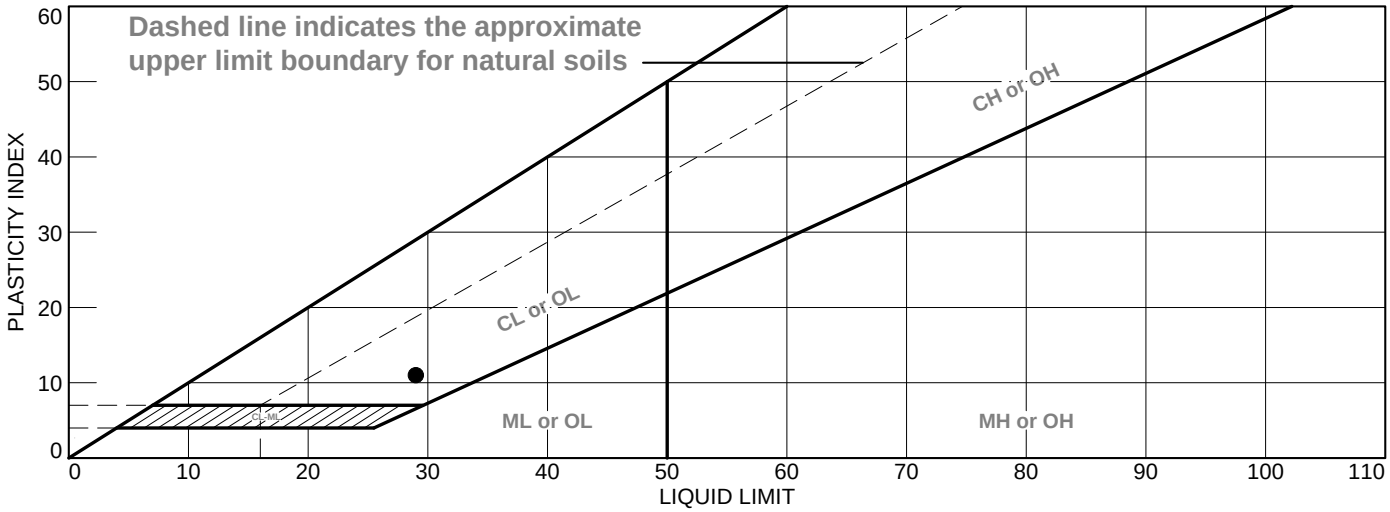
Remarks:

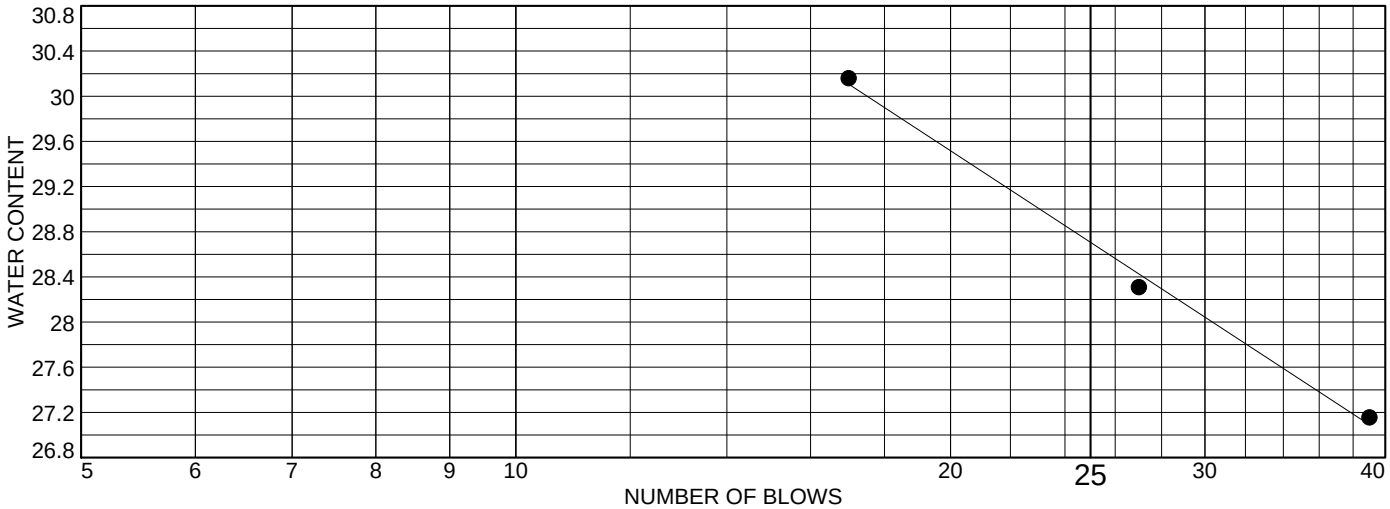
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE-MEDIUM SAND - BROWN	29	18	11	100.0	67.2	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-208A **Depth:** +733.9' - +734.9' **Sample No.:** ST-3

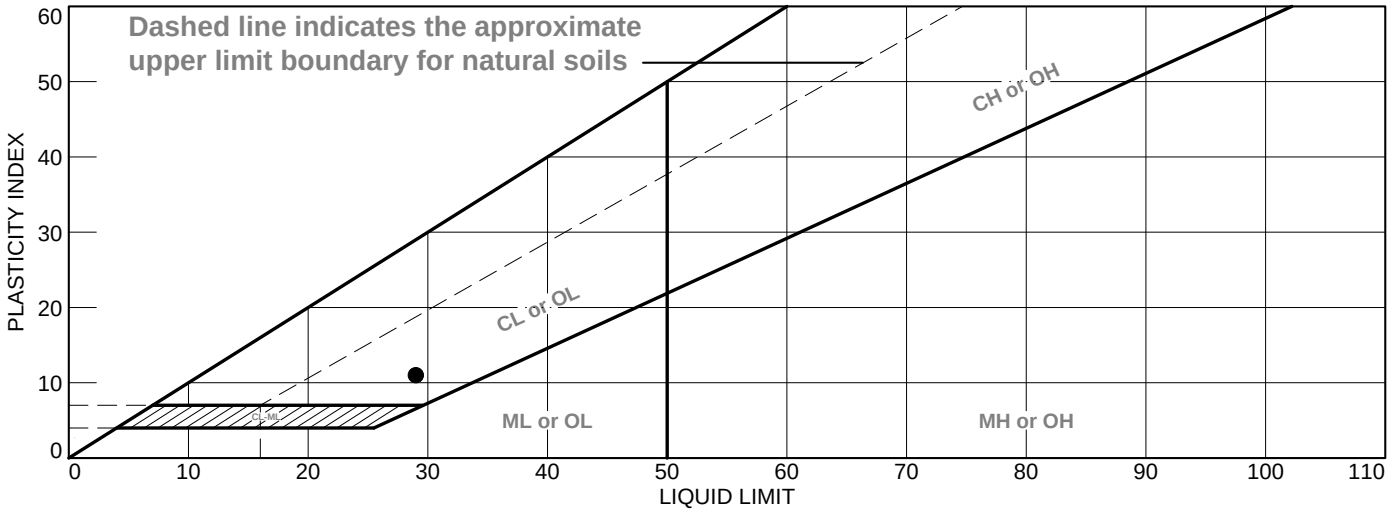
Remarks:

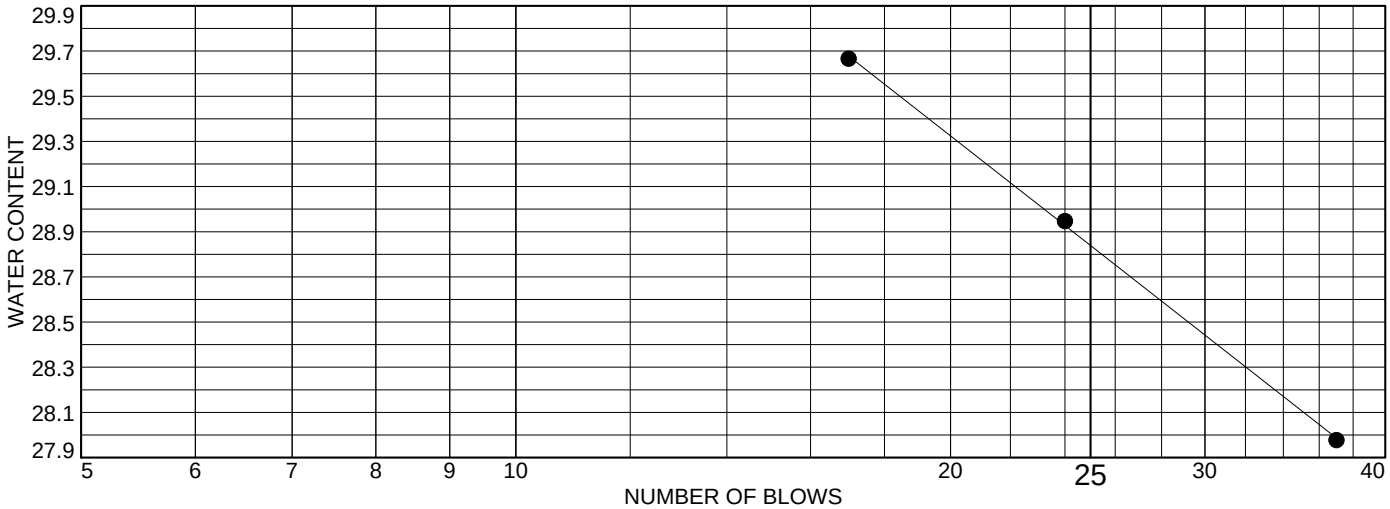
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, SOME F-M SAND - BROWN	29	18	11	99.7	68.8	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-208A **Depth:** +731.9' - +732.9' **Sample No.:** S-4

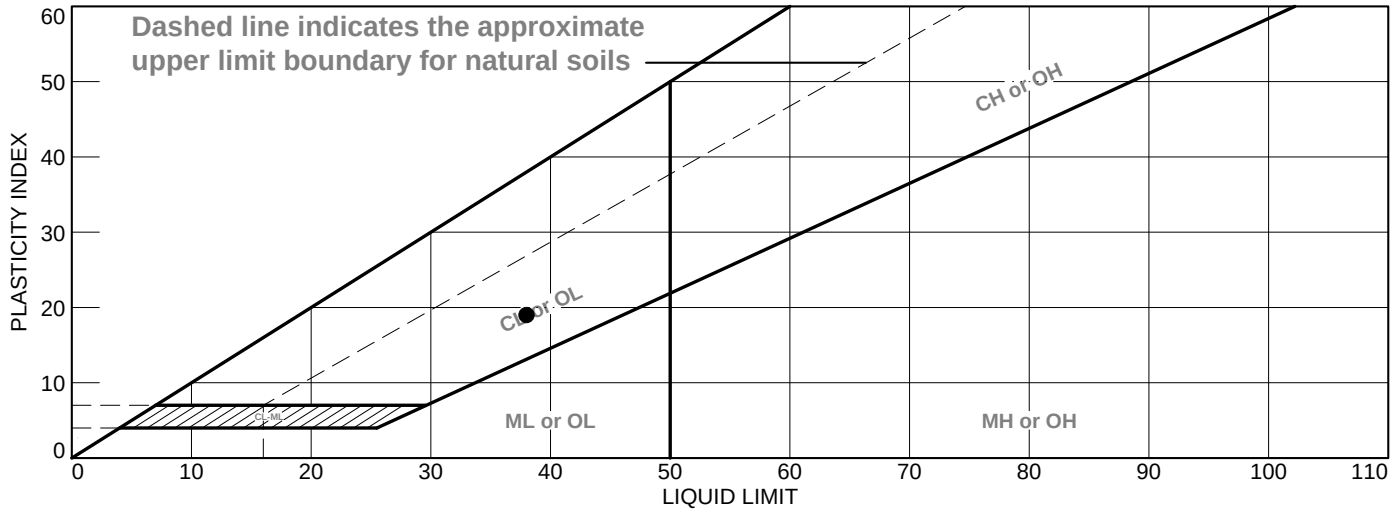
Remarks:

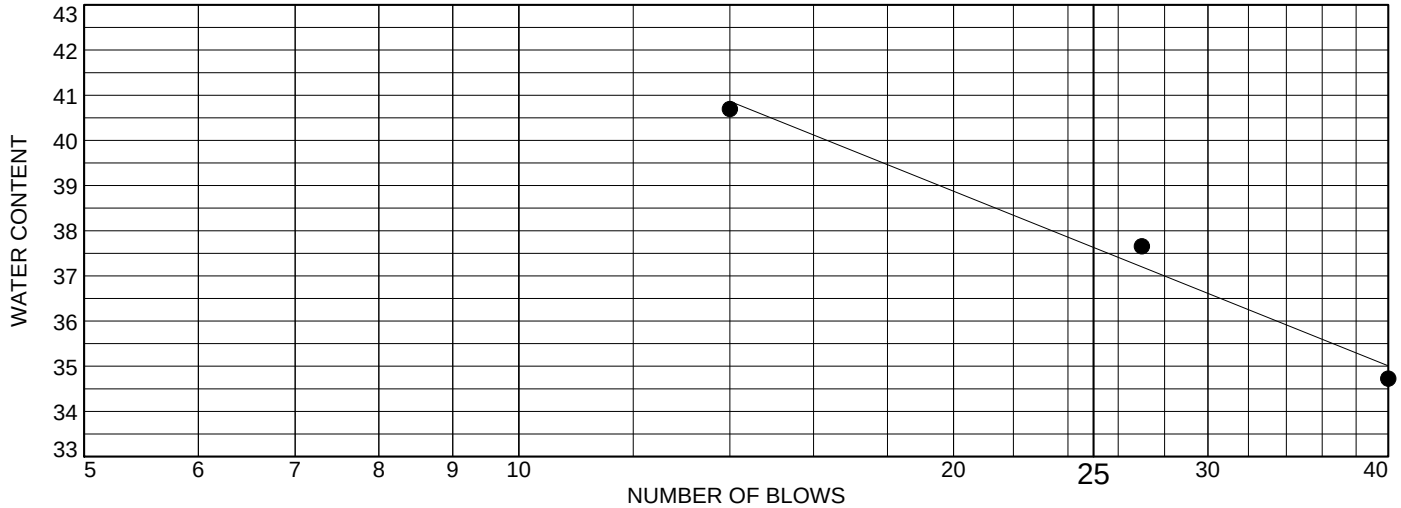
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, TRACE FINE SAND - BROWN	38	19	19			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-209A **Depth:** +736.7' - +737.9' **Sample No.:** ST-2

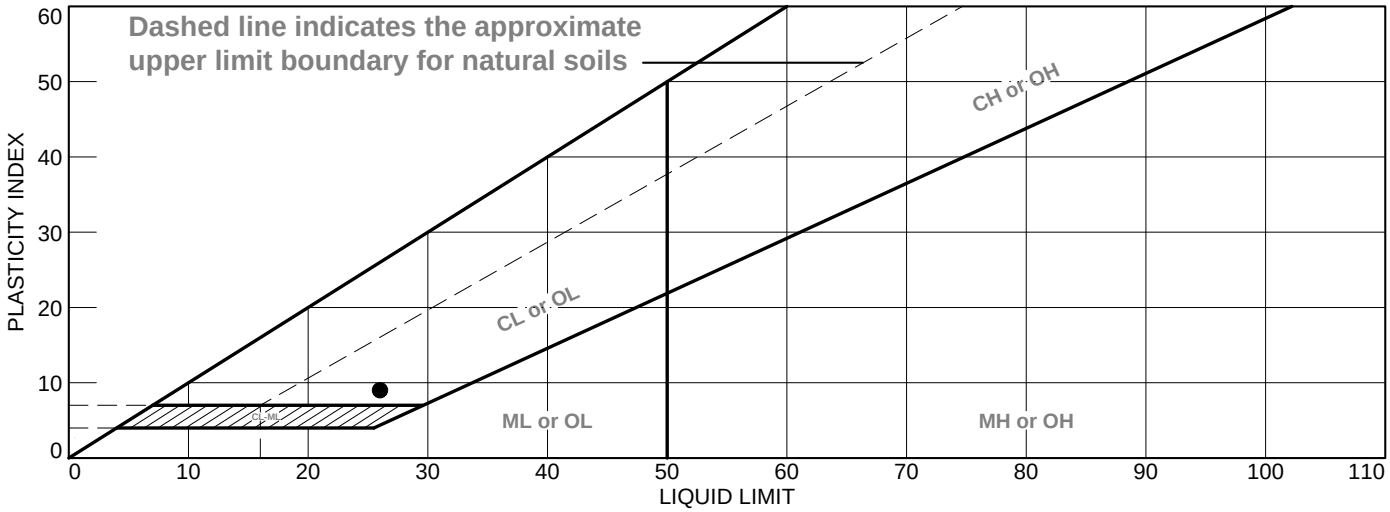
Remarks:

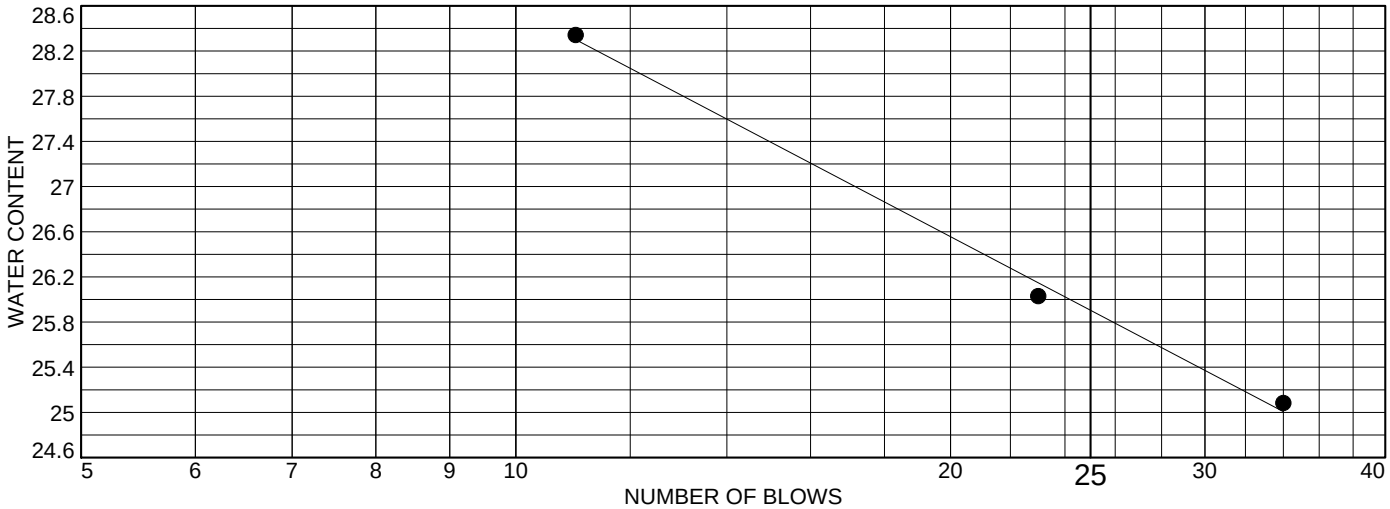
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY AND FINE SAND - BROWN	26	17	9	100.0	58.4	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-209A **Depth:** +734.4' - +735.9' **Sample No.:** ST-3

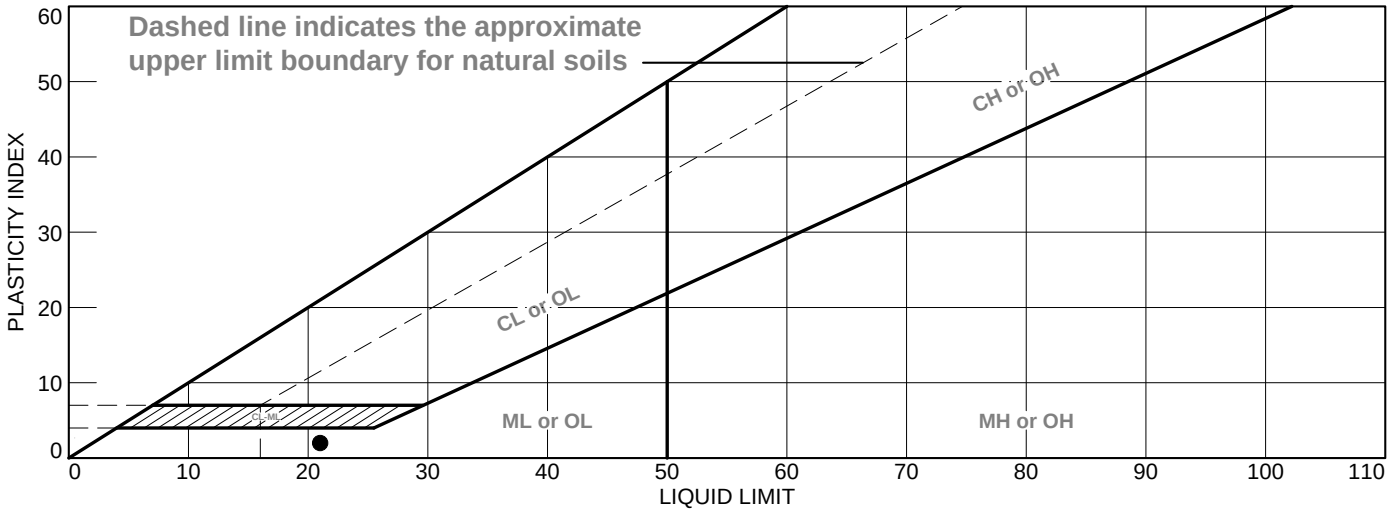
Remarks:

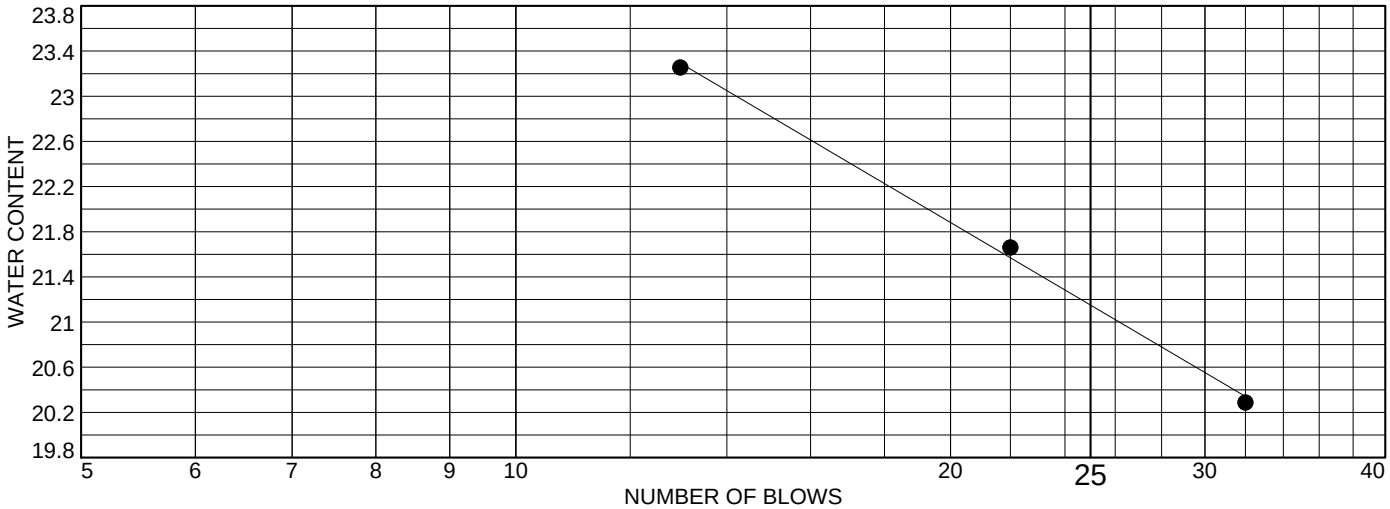
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SANDY SILT, LITTLE CLAY - BROWN	21	19	2			ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-209A **Depth:** +732.4' - +733.9' **Sample No.:** ST-4

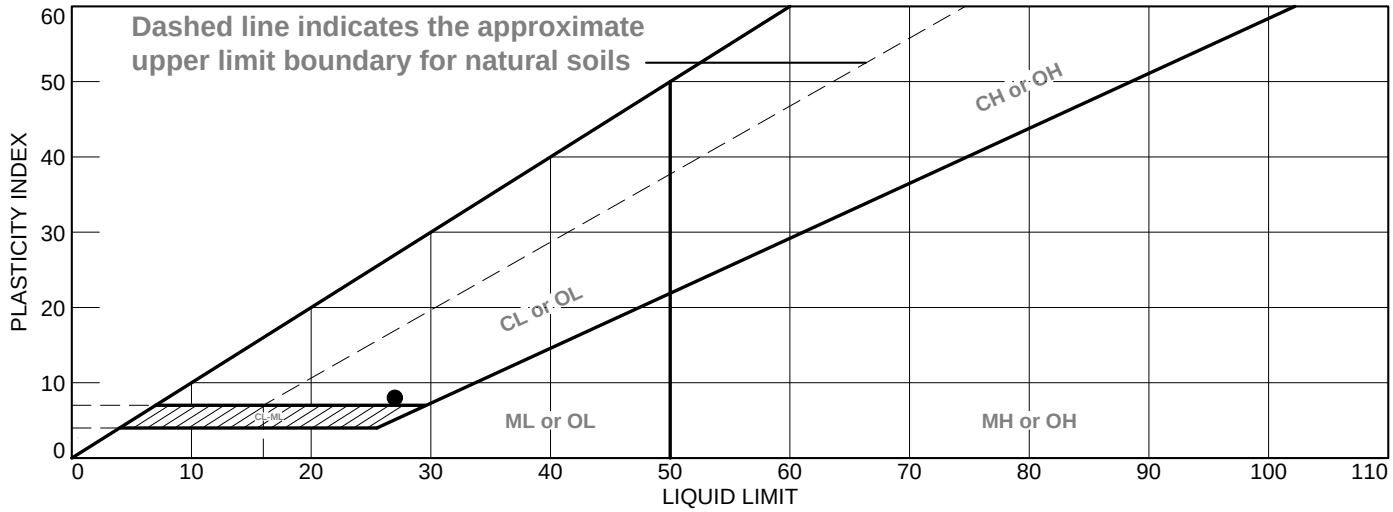
Remarks:

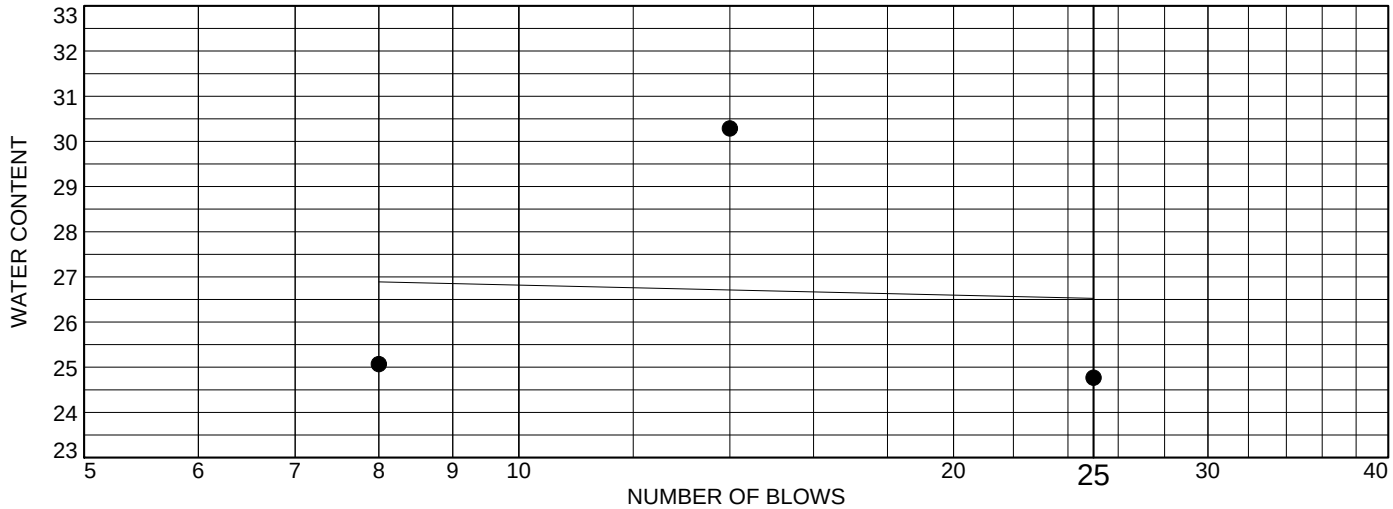
STS | AECOM

Figure

Tested By: DS **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F-C SAND - BROWN	27	19	8			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-209B **Depth:** +735.8' - +738.1' **Sample No.:** OST2

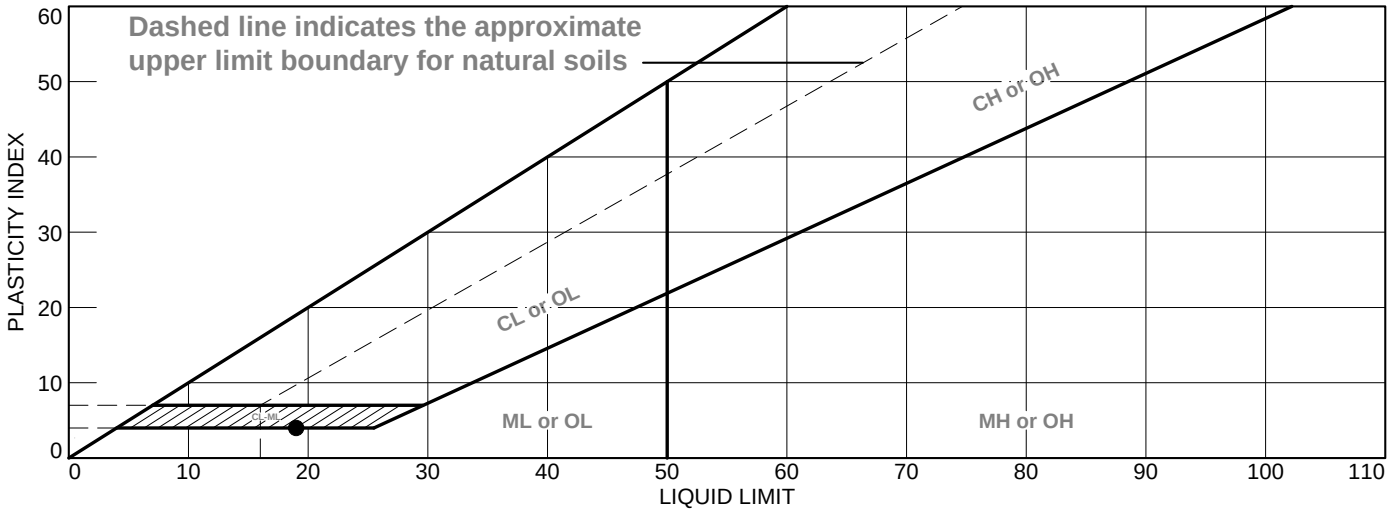
Remarks:

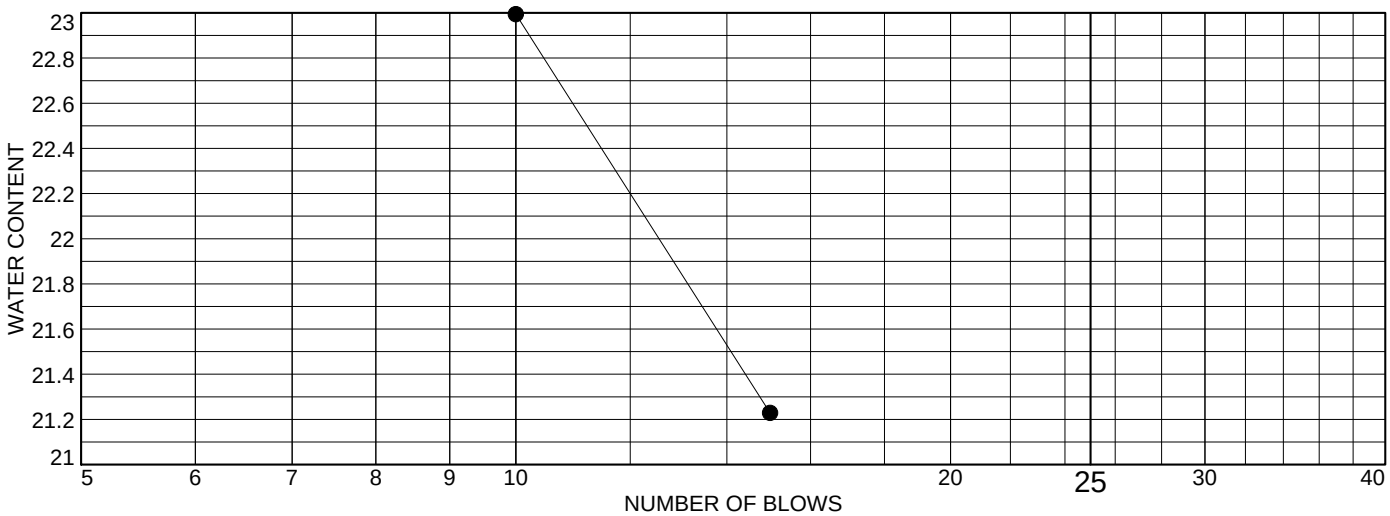
STS | AECOM

Figure

Tested By: MPM **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, LITTLE F-C SAND - BROWN	19	15	4			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-209B **Depth:** +732.2' - +734.6' **Sample No.:** OST3

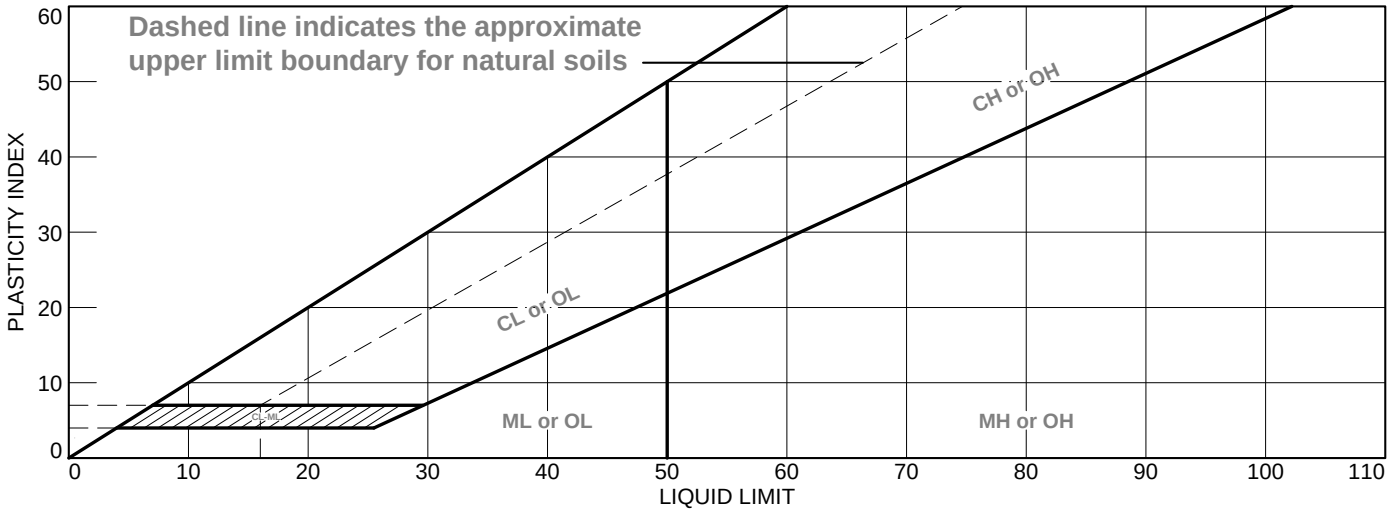
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILT-SIZED ASH, SOME F-C SAND, LITTLE CLAY, TRACE FINE GRAVEL - GRAY	24	28	NP	81.5	72.1	ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-210A **Depth:** +738.9' - +739.9' **Sample No.:** S-1

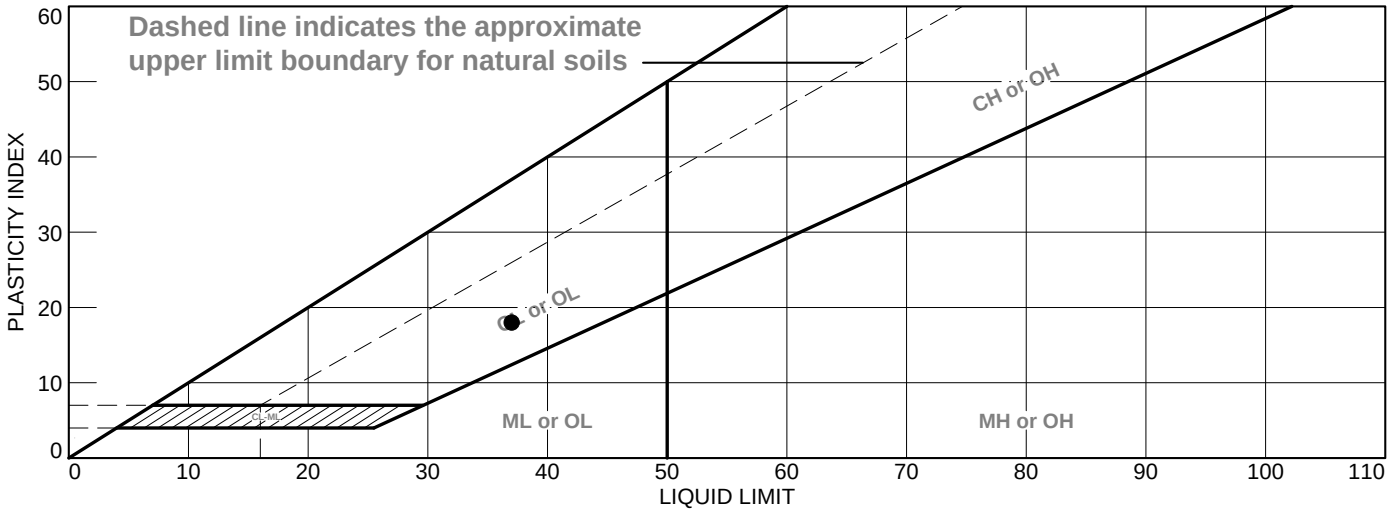
Remarks:

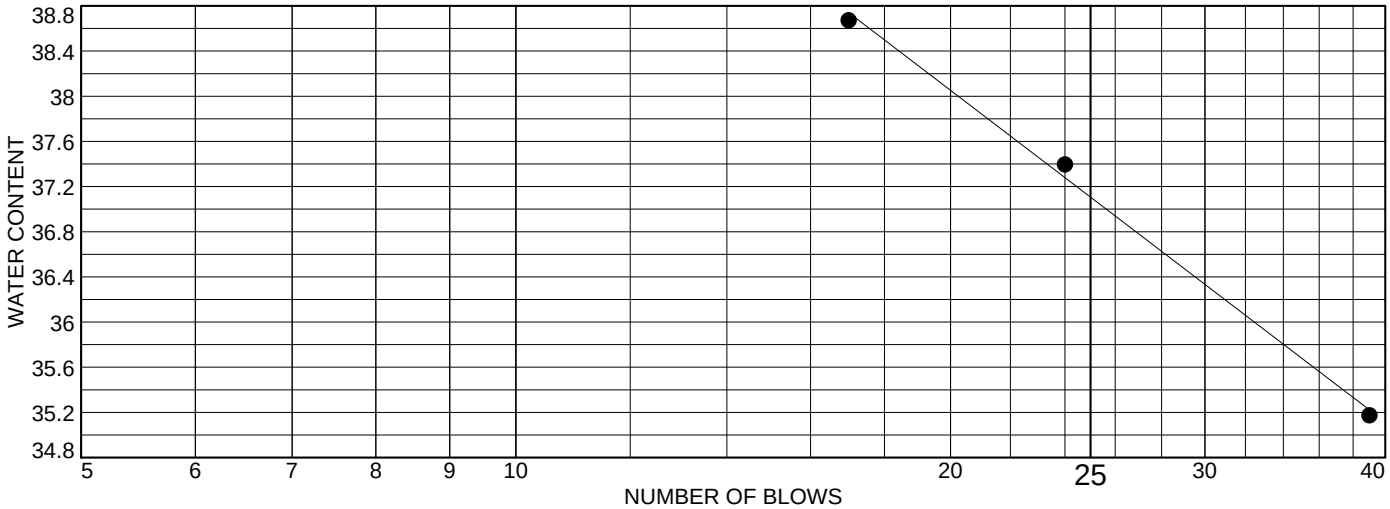
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE F TO C SAND - BROWN	37	19	18	98.5	83.0	CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-210A **Depth:** +737.4' - +737.9' **Sample No.:** S-2

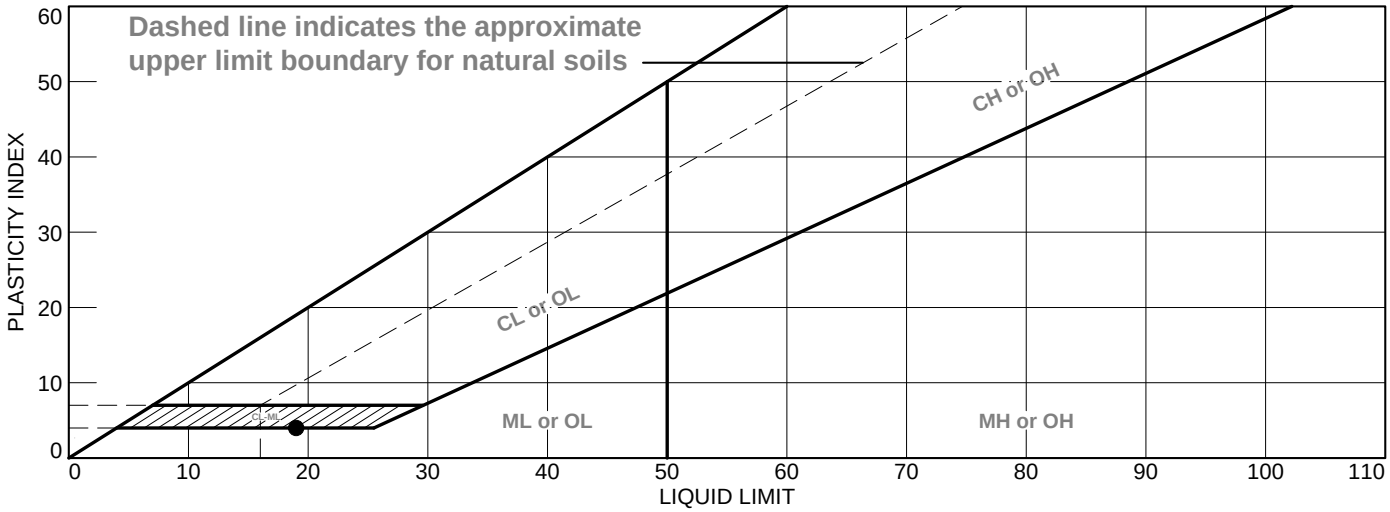
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, LITTLE FINE SAND - BROWN	19	15	4			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-210B **Depth:** +734.8' - +737.1' **Sample No.:** OST3

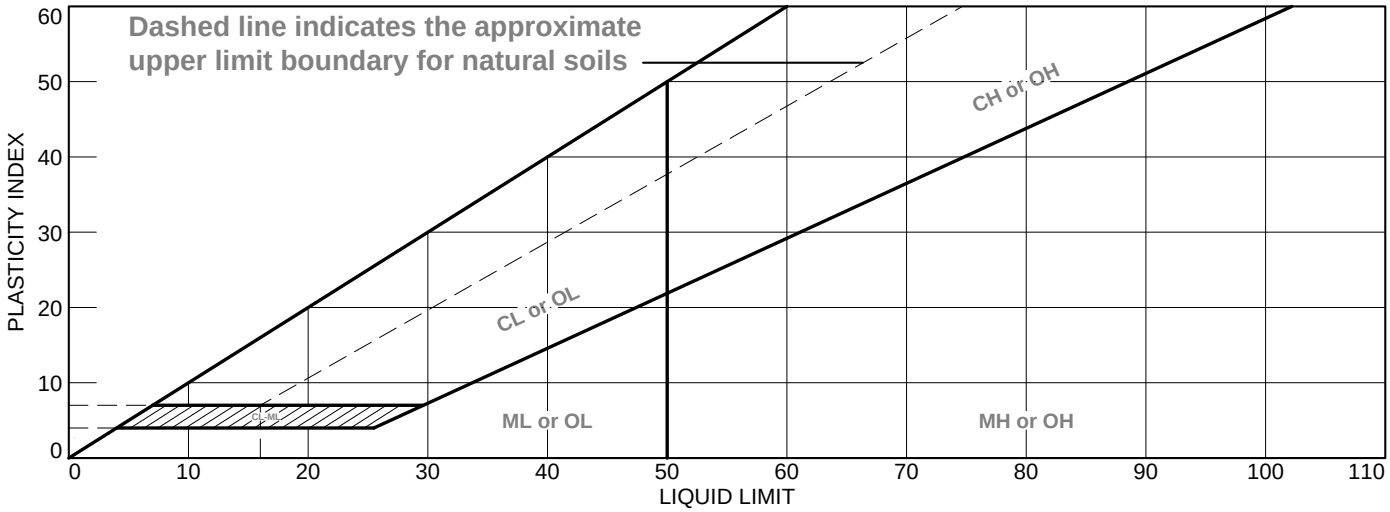
Remarks:

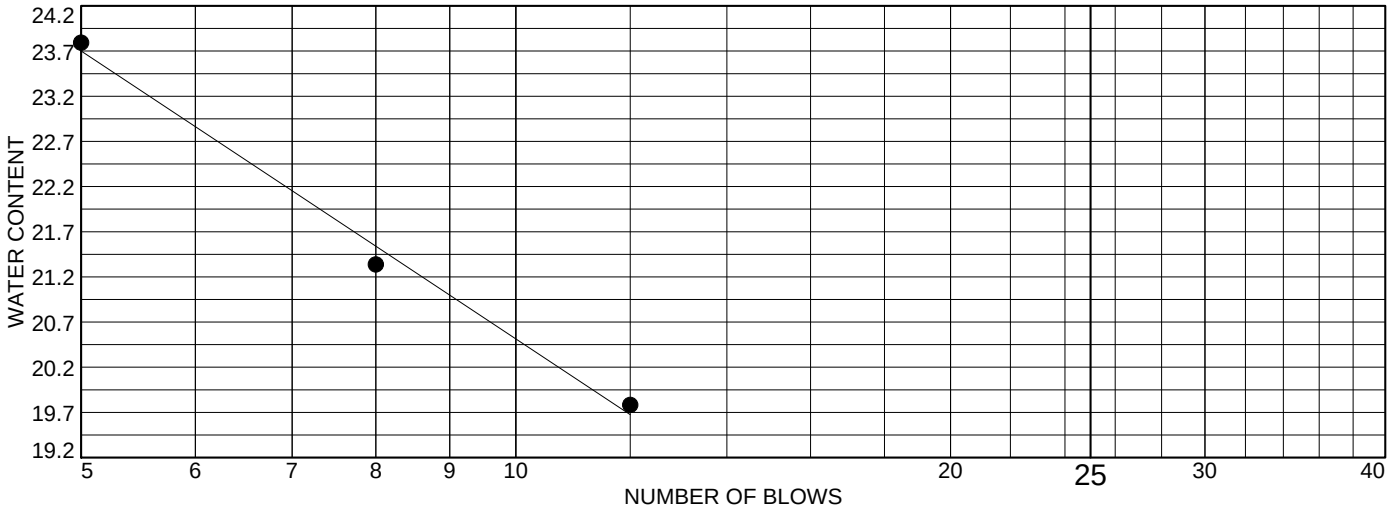
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY F-C SAND, LITTLE CLAY, TRACE FINE GRAVEL - BROWN	16	17	NP	96.6	30.4	SM

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-211A **Depth:** 740.4' - +741.4' **Sample No.:** ST-1

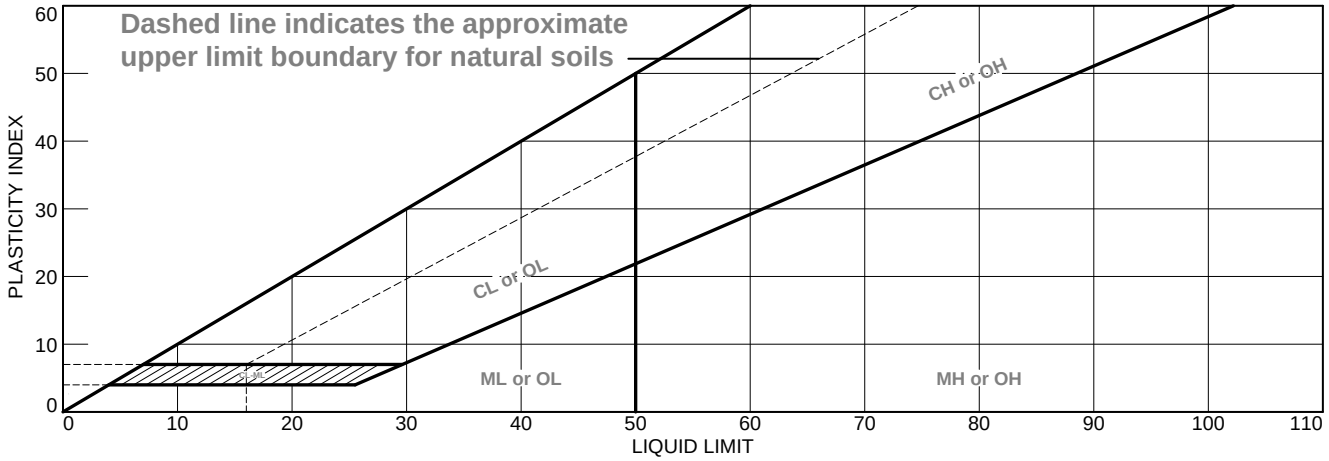
Remarks:

STS | AECOM

Figure

Tested By: PJP **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY F-C SAND, LITTLE CLAY, TRACE FINE GRAVEL - BROWN	16	17	NP	96.6	30.4	SM

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

●**Sample Source:** Boring 09-211A **Depth:** 740.4' - +741.4' **Sample No.:** ST-1

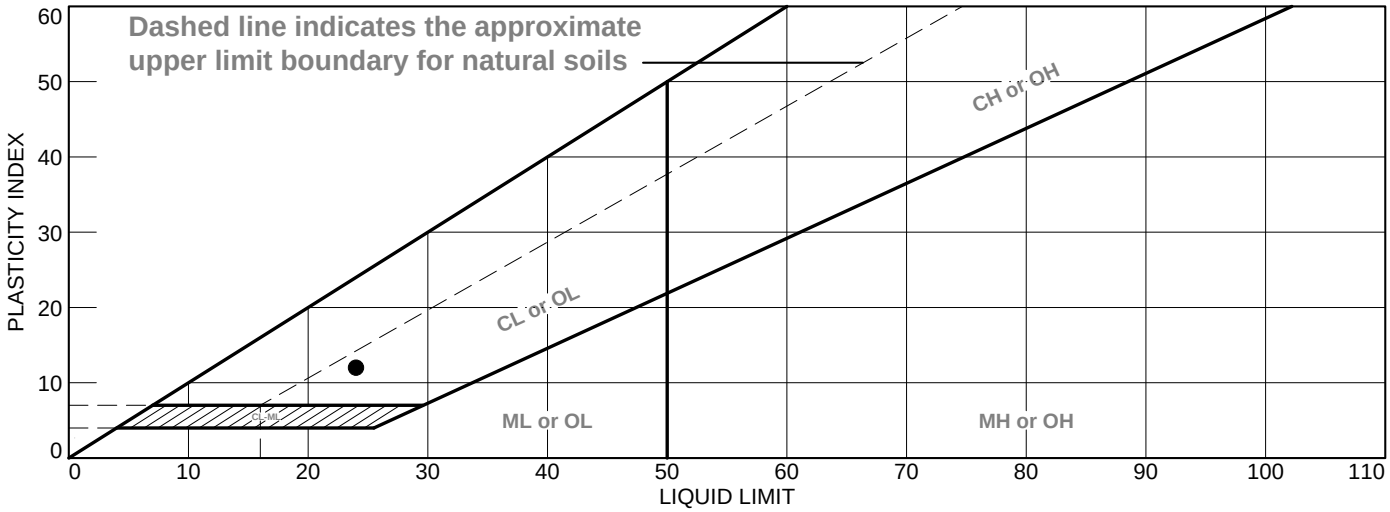
Remarks:

STS | AECOM

Figure

Tested By: PJP **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE SAND - BROWN	24	12	12			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

● **Sample Source:** Boring 09-211A **Depth:** +737.4' - +739.4' **Sample No.:** ST-2

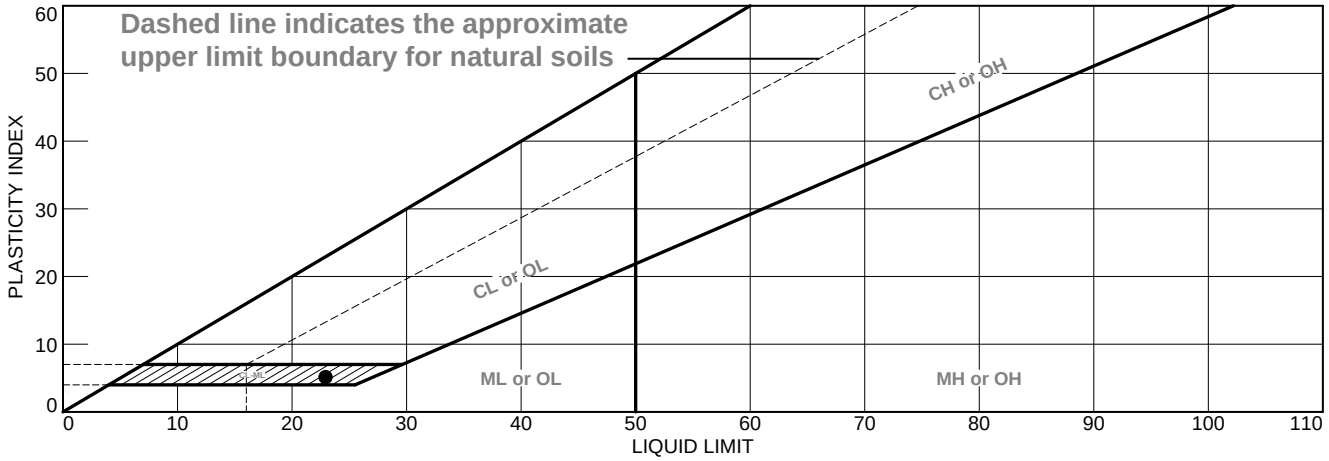
Remarks:

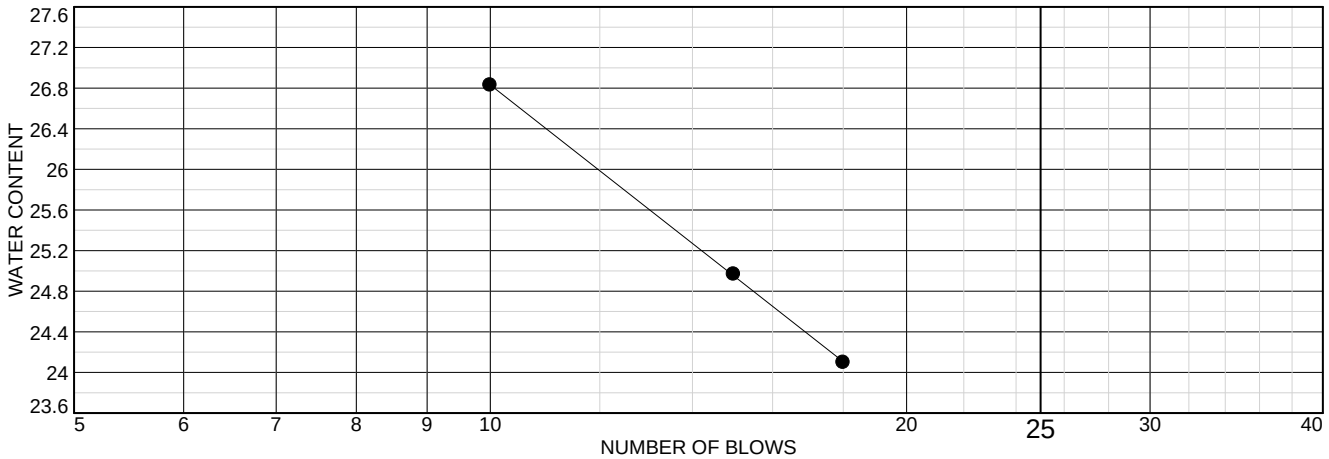
STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318





	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	CLAYEY SILT, LITTLE F-M SAND - BROWN	23	18	5			CL-ML

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

●**Sample Source:** Boring 09-211B **Depth:** +736.4' - +737.9' **Sample No.:** OST-4

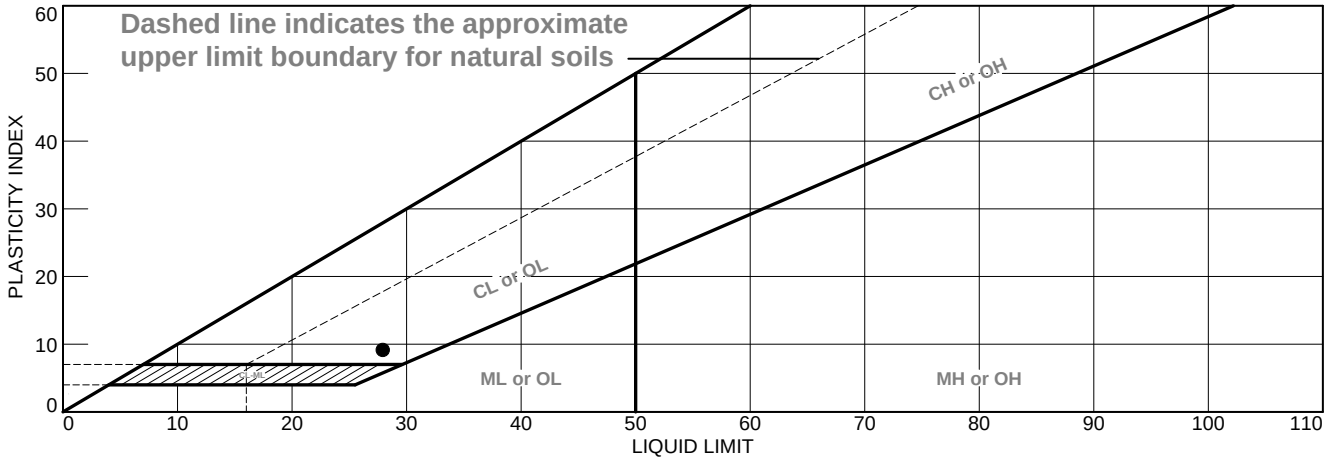
Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ

LIQUID AND PLASTIC LIMITS ASTM D 4318



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	SILTY CLAY, LITTLE FINE-MEDIUM SAND - BROWN	28	19	9			CL

Project No. 60095742 **Client:** Tennessee Valley Authority

Project: Kingston Dredge Cell Failure RCA

●**Sample Source:** Boring 09-211B **Depth:** +733.0' - +734.9' **Sample No.:** OST-5

Remarks:

STS | AECOM

Figure

Tested By: EMR **Checked By:** WPQ