Laboratory Test Report

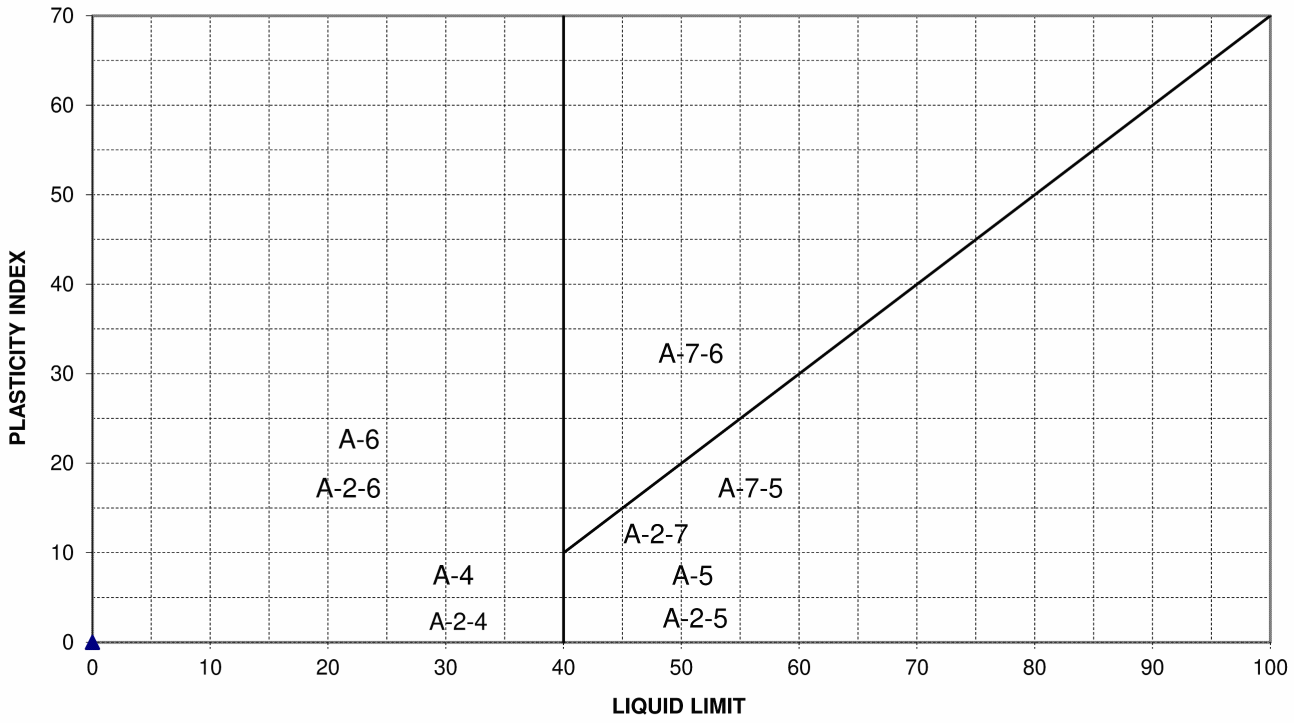
Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00157 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**Top, 0-6, South**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Soil Test Report: Atterberg Limits

Tested on **3/4/2026** by **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Sample Location: **Stockpile from Pond, South, 0' - 6'**



Test Method	AASHTO T89/T90	
Liquid Limit, One Point	**--**	Soil Classification: **A-2-4**
Plastic Limit	**--**	**AASHTO M145**
Plasticity Index	**NP**	

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00157 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**Top, 0-6, South**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Tested by: **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Soil Corrosion Potential

Test Method:	**AASHTO T289**
Date Tested:	**3/6/2026**
pH:	**5.8**

Remarks:

Stockpile from Pond, South 0' - 6'

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Project Name: CCW Borrow Pit
Project No.: 26004145.001A
Lab No.: 26-CLT-00157
Sample Date: February 12, 2026
Sample Location: Stockpile from Pond, South 0'-6'
Material Description: Yellowish Brown Sandy Silt
Report Date: March 9, 2026

Particle Size Analysis of Soils (AASHTO T88 Modified per NCDOT)

Sieve Analysis	
US Standard Sieve Size	Percent Passing
3 Inch	100
2-1/2 Inch	100
2 Inch	100
1-1/2 Inch	100
1 Inch	100
3/4 Inch	100
1/2 Inch	99
3/8 Inch	99
No. 4	98
No. 10	95
No. 20	94
No. 40	88
No. 60	71
No. 140	40
No. 200	32
No. 270	27.9

Hydrometer Analysis	
Particle Diameter, mm	Percent Passing
Silt & Clay	33.6
Clay	15.7

Soil Mortar	
Soil Mortar - 100%	100.0
Coarse Sand Ret. #60, %	25.7
Fine Sand Ret. #270, %	45.1
Silt 0.05 - 0.005 mm	13.5
Clay <0.005 mm	15.7
Passing #40 Sieve	91.9
Passing #200 Sieve	33.9

Liquid Limit	NP
Plasticity Index	NP

AASHTO Classification	A-2-4

Reviewed By: Michelle Stadel

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Laboratory Test Report

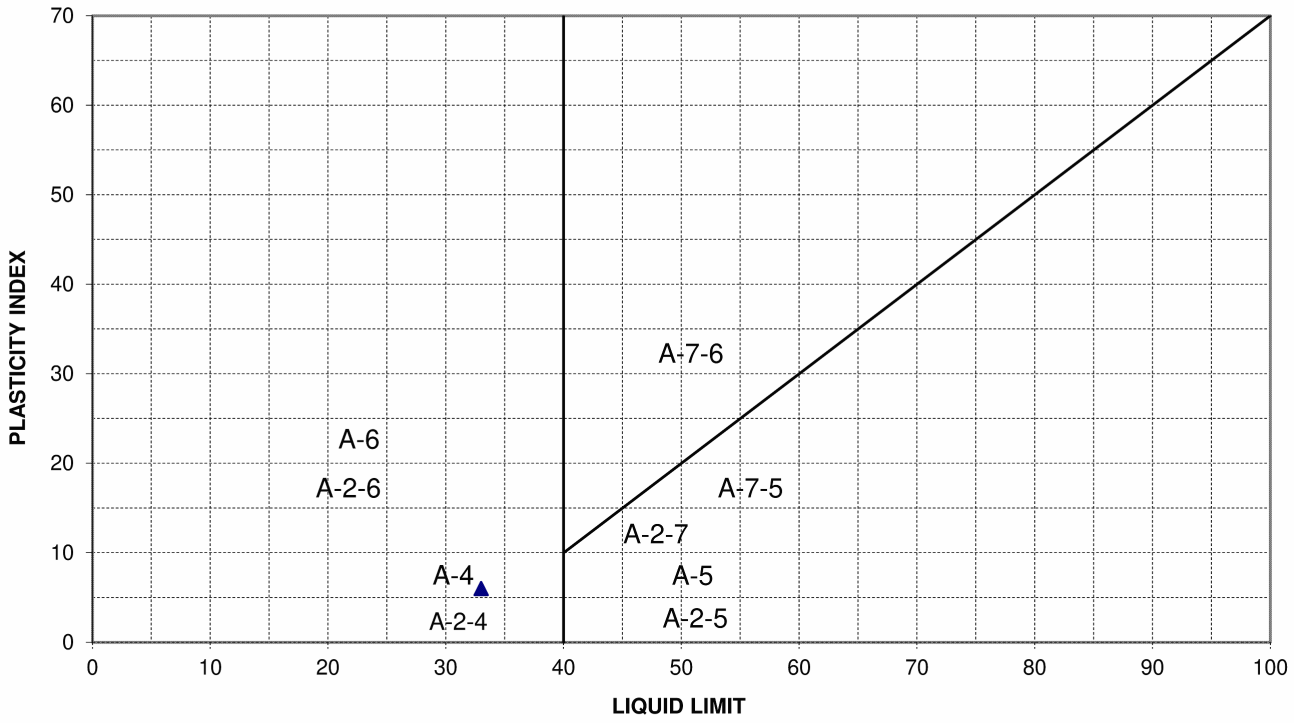
Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00158 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**North, 6-12**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Soil Test Report: Atterberg Limits

Tested on **3/4/2026** by **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Sample Location: **Stockpile from Pond, North 6'-12'**



Test Method	AASHTO T89/T90
Liquid Limit, One Point	**33**
Plastic Limit	**27**
Plasticity Index	**6**

Soil Classification: **A-2-4**

AASHTO M145

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00158 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**North, 6-12**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Tested by: **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Soil Corrosion Potential

Test Method:	**AASHTO T289**
Date Tested:	**3/6/2026**
pH:	**6.2**

Remarks:

Stockpile from Pond, North 6'-12'

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Project Name: CCW Borrow Pit
Project No.: 26004145.001A
Lab No.: 26-CLT-00158
Sample Date: February 12, 2026
Sample Location: Stockpile from Pond, North 6'-12'
Material Description: Yellowish Brown Sandy Silt
Report Date: March 9, 2026

Particle Size Analysis of Soils (AASHTO T88 Modified per NCDOT)

Sieve Analysis	
US Standard Sieve Size	Percent Passing
3 Inch	100
2-1/2 Inch	100
2 Inch	100
1-1/2 Inch	100
1 Inch	97
3/4 Inch	95
1/2 Inch	94
3/8 Inch	93
No. 4	91
No. 10	86
No. 20	79
No. 40	73
No. 60	61
No. 140	40
No. 200	35
No. 270	31.0

Hydrometer Analysis	
Particle Diameter, mm	Percent Passing
Silt & Clay	33.4
Clay	24.3

Soil Mortar	
Soil Mortar - 100%	100.0
Coarse Sand Ret. #60, %	29.7
Fine Sand Ret. #270, %	34.4
Silt 0.05 - 0.005 mm	11.6
Clay <0.005 mm	24.3
Passing #40 Sieve	83.9
Passing #200 Sieve	40.0

Liquid Limit	33
Plasticity Index	6

AASHTO Classification	A-2-4

Reviewed By: Michelle Stadel

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Laboratory Test Report

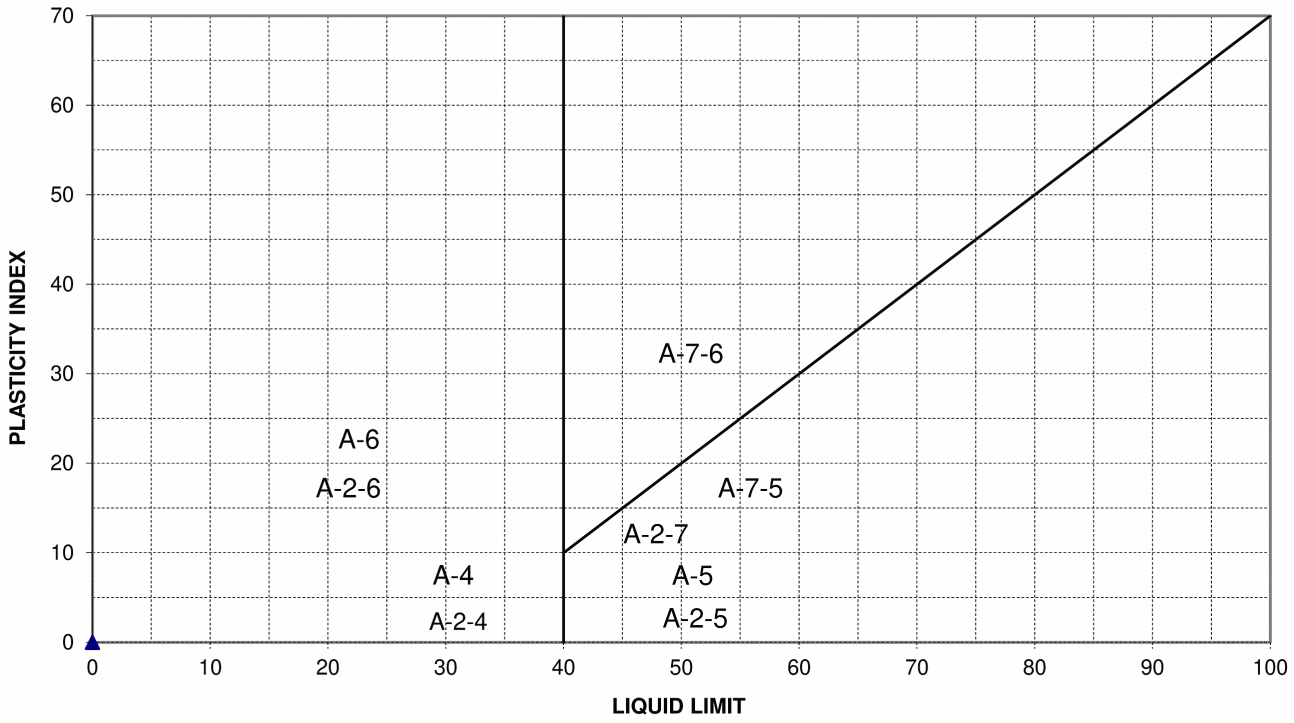
Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00159 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**East, 12 - 18**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Soil Test Report: Atterberg Limits

Tested on **3/4/2026** by **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Sample Location: **Stockpile from Pond, East 12'-18'**



Test Method	AASHTO T89/T90	
Liquid Limit, One Point	**--**	Soil Classification: **A-2-4**
Plastic Limit	**--**	**AASHTO M145**
Plasticity Index	**NP**	

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Client:	**Thompson-gordon-shook Engineers, Incorporated dba TGS Engi**	Report No.:	**26-CLT-00159 Rev. 0**	Issued:	**3/9/2026**
Project:	**26004145.001A**			Field ID:	**East, 12 - 18**
	TGS - CCW Borrow Pit Lab Testing	Sampled by:	**Daniel Robinson**	Date:	**2/12/2026**
	10-000L - Laboratory Services	Submitted by:	**Client**	Date:	**3/27/2026**

Tested by: **Clifford Blalock**

Material Description: **Yellowish Brown Sandy Silt**

Soil Corrosion Potential

Test Method:	**AASHTO T289**
Date Tested:	**3/6/2026**
pH:	**6.5**

Remarks:

Stockpile from Pond, East 12'-18'

Reviewed on 3/9/2026 by Michelle Stadel,
Senior Professional

Laboratory Test Report

Project Name: CCW Borrow Pit
Project No.: 26004145.001A
Lab No.: 26-CLT-00159
Sample Date: February 12, 2026
Sample Location: Stockpile from Pond, East 12'-18'
Material Description: Yellowish Brown Sandy Silt
Report Date: March 9, 2026

Particle Size Analysis of Soils (AASHTO T88 Modified per NCDOT)

Sieve Analysis	
US Standard Sieve Size	Percent Passing
3 Inch	100
2-1/2 Inch	100
2 Inch	100
1-1/2 Inch	93
1 Inch	89
3/4 Inch	87
1/2 Inch	85
3/8 Inch	84
No. 4	83
No. 10	80
No. 20	76
No. 40	69
No. 60	54
No. 140	31
No. 200	24
No. 270	20.6

Hydrometer Analysis	
Particle Diameter, mm	Percent Passing
Silt & Clay	26.6
Clay	12.3

Soil Mortar	
Soil Mortar - 100%	100.0
Coarse Sand Ret. #60, %	32.7
Fine Sand Ret. #270, %	41.6
Silt 0.05 - 0.005 mm	13.4
Clay <0.005 mm	12.3
Passing #40 Sieve	85.7
Passing #200 Sieve	30.4

Liquid Limit	NP
Plasticity Index	NP

AASHTO Classification	A-2-4

Reviewed By: Michelle Stadel

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