

**SSLGC  
Contract 3 - 36" Pipeline  
Soil Testing Summary**

<b>Bore (Number)</b>	<b>Location (Station)</b>	<b>Depth (feet)</b>	<b>LL (%)</b>	<b>PI (%)</b>	<b>Qu (tsf)</b>	<b>USCS</b>	<b>Description</b>
B-39	1+00	2-4 8-10	60 -	42 -	- 1.04	SC SM	Clayey Sand Silty Sand
B-40	23+10	4-6 6-8	64 -	46 -	- 2.12	CL SC	Sandy Lean Clay Clayey Sand
B-41	47+00	4-6	50	31	-	CH	Sandy Fat Clay
B-44	96+50	2-4	-	-	9.2	CH	Fat Clay
B-45	127+00	2-4	-	-	1.95	CH	Fat Clay
RB-5	152+00	3.5-5	71	50	-	CH	Fat Clay
		8-9.5	-	-	3.73	CH	Fat Clay
		11-12.5	61	38	-	CH	Fat Clay
		17-18.5	-	-	3.42	CH	Fat Clay
RB-6	156+00	5-6.5	84	63	-	CH	Fat Clay
		8-9.5	-	-	1.05	CH	Fat Clay
		15.5-17	65	46	-	CH	Fat Clay
		17-18.5	-	-	3.14	CH	Fat Clay
B-46	172+00	8-10	-	-	7.43	CH	Fat Clay
B-47	221+00	4-6	78	55	-	CH	Fat Clay
		6-8	-	-	4.85	CH	Fat Clay
B-49	270+00	2-4	71	50	-	CH	Fat Clay
B-50	291+00	4-6	-	-	3.71	CH	Fat Clay
B-51	319+00	2-4	66	48	14.0	CH	Fat Clay
B-52	339+00	2-4	-	-	1.83	CH	Fat Clay

**SSLGC  
Contract 3 - 36" Pipeline  
Soil Testing Summary**

<b>Bore (Number)</b>	<b>Location (Station)</b>	<b>Depth (feet)</b>	<b>LL (%)</b>	<b>PI (%)</b>	<b>Qu (tsf)</b>	<b>USCS</b>	<b>Description</b>
B-53	364+80	6-8 8-10	79 -	56 -	- 2.44	CH CH	Sandy Fat Clay Sandy Fat Clay
B-54	380+00	2-3	-	-	2.25	CH	Fat Clay
B-54A	391+50	0-2.5	85	60	-	CH	Fat Clay
B-55	400+00	4-6 6-8	- 72	- 51	1.41 -	CH CH	Fat Clay Fat Clay
B-55A	416+00	0-2	80	60	-	CH	Fat Clay
B-56	423+00	0-2	63	44	-	CH	Fat Clay
B-56A	437+00	0-2	63	45	-	CH	Fat Clay
B-58	497+50	2-4 4-4.5	64 -	46 -	- 3.16	CH CH	Fat Clay Fat Clay
B-59	522+00	2-4	73	55	-	CH	Fat Clay
B-61	553+20	6-8	69	52	6.37	CH	Fat Clay
B-62	602+50	8-10	74	56	-	CH	Fat Clay
B-63	632+50	0-2 2-4	61 -	37 -	- 8.58	CH CH	Fat Clay Fat Clay
B-64	660+80	6-8	-	-	8.50	CH	Fat Clay
B-65	678+00	8-10	32	19	4.31	CL	Lean Clay
B-66	709+00	6-8	33	20	-	CL	Lean Clay
B-67	740+50	2-4	68	50	17.9	CH	Fat Clay

<b>SSLGC</b> <b>Contract 3 - 36" Pipeline</b> <b>Soil Testing Summary</b>							
<b>Bore (Number)</b>	<b>Location (Station)</b>	<b>Depth (feet)</b>	<b>LL (%)</b>	<b>PI (%)</b>	<b>Qu (tsf)</b>	<b>USCS</b>	<b>Description</b>
B-68	767+00	2-4	-	-	8.62	CH	Fat Clay
B-69	791+00	7.5-10	44	30	-	CL	Lean Clay
B-70	806+00	4-6	-	-	18.1	CH	Fat Clay
B-71	833+00	0-2	66	42	-	CH	Fat Clay
B-71A	840+00	2-4	-	-	1.55	CH	Fat Clay
		4-6	63	35	-	CH	Fat Clay
RB-7	853+50	6.5-8	-	-	3.63	CH	Fat Clay
		8-9.5	59	40	-	CH	Fat Clay
		12.5-14	-	-	1.29	CL	Lean Clay
		14-15.5	43	26	-	CL	Lean Clay
RB-8	856+00	3.5-5	48	30	-	CL	Lean Clay
		8-9.5	-	-	6.5	CL	Lean Clay
		12.5-14	39	23	-	CL	Lean Clay
		14-15.5	-	-	4.47	CL	Lean Clay
B-73A	905+00	2-3.5	57	38	-	CH	Fat Clay
		5-6.5	-	-	8.41	CH	Fat Clay
		8-9.5	31	13	-	CL	Lean Clay
		9.5-11	-	-	5.14	CL	Lean Clay
		14-15.5	-	-	1.54	CL	Lean Clay
B-73	932+50	0-2	59	38	-	CH	Fat Clay
		2-4	-	-	3.37	CH	Fat Clay

Notes

1. Soil Summary is not a part of the Contract Documents.
2. Soil information is for design purposes and use for construction may be limited.

**Trinity Engineering Testing Corporation**

A Division of Kleinfelder

**SCHERTZ-SEGUN WATER SUPPLY SYSTEM  
GUADALUPE and GONZALEZ COUNTIES, TEXAS  
24, 30, 33-INCH WATERLINES**

**SUMMARY OF LABORATORY TEST RESULTS**

Boring Number	Sample Depth (ft.)	LL <sup>1</sup> (%)	PI <sup>2</sup> (%)	-200 <sup>3</sup> (%)	MC <sup>4</sup> (%)	UDW <sup>5</sup> (pcf)	Qu <sup>6</sup> (tsf)	USCS <sup>7</sup>	Abbreviated Description
B-35	4.0-6.0 6.0-8.0	-- 27	-- 13	-- 37	14.1 11.6	124 --	4.85 --	CL SC	SANDY LEAN CLAY CLAYEY SAND
B-36	2.0-4.0	--	--	--	17.4	99	7.67	CH	FAT CLAY
B-37	2.0-4.0 6.0-8.0	-- 31	-- 11	-- 40	9.9 8.7	99 --	3.98 --	SC SC	CLAYEY SAND CLAYEY SAND
B-38	4.0-6.0	--	--	--	14.8	118	14.0	SM	SILTY SAND
B-39	2.0-4.0 8.0-10.0	60 --	42 --	45 --	13.0 8.0	-- 95	-- 1.04	SC SM	CLAYEY SAND SILTY SAND
B-40	4.0-6.0 6.0-8.0	64 --	46 --	90 --	20.5 25.8	-- 98	-- 2.12	CH CH	FAT CLAY FAT CLAY
B-41	4.0-6.0	50	31	65	14.7	--	--	CH	SANDY FAT CLAY
B-44	2.0-4.0	--	--	--	18.8	106	9.20	CH	FAT CLAY
B-45	2.0-4.0	--	--	--	24.4	101	1.95	CH	FAT CLAY
B-46	8.0-10.0	--	--	--	24.1	100	7.43	CH	FAT CLAY
B-47	4.0-6.0 6.0-8.0	78 --	55 --	99 --	19.2 21.0	-- 103	-- 4.85	CH CH	FAT CLAY FAT CLAY
B-49	2.0-4.0	71	50	96	23.3	--	--	CH	FAT CLAY
B-50	4.0-6.0	--	--	--	25.1	101	3.71	CH	FAT CLAY
B-51	2.0-4.0	66	48	98	18.6	109	14.0	CH	FAT CLAY
B-52	2.0-4.0	--	--	--	29.3	94	1.83	CH	FAT CLAY
B-53	6.0-8.0 8.0-10.0	79 --	56 --	65 --	-- 29.2	-- 93	-- 2.44	CH CH	SANDY FAT CLAY SANDY FAT CLAY
B-54	2.0-3.0	--	--	--	32.7	88	2.25	CH	FAT CLAY
B-54A	0.0-2.5	85	60	87	38.1	--	--	CH	FAT CLAY

<sup>1</sup>LIQUID LIMIT    <sup>2</sup>PLASTICITY INDEX    <sup>3</sup>% PASSING #200 SIEVE    <sup>4</sup>MOISTURE CONTENT  
<sup>5</sup>UNIT DRY WEIGHT    <sup>6</sup>UNCONFINED COMPRESSIVE STRENGTH    <sup>7</sup>UNIFIED SOIL CLASSIFICATION

Trinity Engineering Testing Corporation

A Division of Kleinfelder

SCHERTZ-SEGUIN WATER SUPPLY SYSTEM  
 GUADALUPE and GONZALEZ COUNTIES, TEXAS  
 24, 30, 33-INCH WATERLINES

SUMMARY OF LABORATORY TEST RESULTS, continued

Boring Number	Sample Depth (ft.)	LL <sup>1</sup> (%)	PI <sup>2</sup> (%)	-200 <sup>3</sup> (%)	MC <sup>4</sup> (%)	UDW <sup>5</sup> (pcf)	Qu <sup>6</sup> (tsf)	USCS <sup>7</sup>	Abbreviated Description
B-55	4.0-6.0 6.0-8.0	-- 72	-- 51	-- 92	27.7 29.2	95 --	1.41 --	CH CH	FAT CLAY FAT CLAY
B-55A	0.0-2.0	80	60	89	31.9	--	--	CH	FAT CLAY
B-56	0.0-2.0	63	44	84	16.6	--	--	CH	FAT CLAY
B-56A	0.0-2.0	63	45	84	29.3	--	--	CH	FAT CLAY
B-58	2.0-4.0 4.0-4.5	64 --	46 --	89 --	18.6 21.2	-- 104	-- 3.16	CH CH	FAT CLAY FAT CLAY
B-59	2.0-4.0	73	55	93	19.1	--	--	CH	FAT CLAY
B-61	6.0-8.0	69	52	86	17.9	105	6.37	CH	FAT CLAY
B-62	8.0-10.0	74	56	81	18.3	--	--	CH	FAT CLAY
B-63	0.0-2.0 2.0-4.0	61 --	37 --	88 --	14.6 14.9	-- 117	-- 8.58	CH CH	FAT CLAY FAT CLAY
B-64	6.0-8.0	--	--	--	16.5	115	8.50	CH	FAT CLAY
B-65	8.0-10.0	32	19	88	12.4	119	4.31	CL	LEAN CLAY
B-66	6.0-8.0	33	20	82	11.0	--	--	CL	LEAN CLAY
B-67	2.0-4.0	68	50	83	15.7	115	17.9	CH	FAT CLAY
B-68	2.0-4.0	--	--	--	23.4	99	8.62	CH	FAT CLAY
B-69	7.5-10.0	44	30	80	10.5	--	--	CL	LEAN CLAY
B-70	4.0-6.0	--	--	--	17.3	116	18.1	CH	FAT CLAY
B-71	0.0-2.0	66	42	77	13.7	--	--	CH	FAT CLAY
B-71A	2.0-4.0 4.0-6.0	-- 63	-- 35	-- 90	35.6 31.3	85 --	1.55 --	CH CH	FAT CLAY FAT CLAY
B-73	0.0-2.0 2.0-4.0	59 --	38 --	82 --	16.1 12.3	-- 100	-- 3.73	CH CH	FAT CLAY FAT CLAY

<sup>1</sup>LIQUID LIMIT    <sup>2</sup>PLASTICITY INDEX    <sup>3</sup>% PASSING #200 SIEVE    <sup>4</sup>MOISTURE CONTENT  
<sup>5</sup>UNIT DRY WEIGHT    <sup>6</sup>UNCONFINED COMPRESSIVE STRENGTH    <sup>7</sup>UNIFIED SOIL CLASSIFICATION

Trinity Engineering Testing Corporation

A Division of Kleinfelder

SCHERTZ-SEGUIN WATER SUPPLY SYSTEM  
 GUADALUPE and GONZALEZ COUNTIES, TEXAS  
 24, 30, 33-INCH WATERLINES

SUMMARY OF LABORATORY TEST RESULTS, continued

Boring Number	Sample Depth (ft.)	LL <sup>1</sup> (%)	PI <sup>2</sup> (%)	-200 <sup>3</sup> (%)	MC <sup>4</sup> (%)	UDW <sup>5</sup> (pcf)	Qu <sup>6</sup> (tsf)	USCS <sup>7</sup>	Abbreviated Description
B-73A	2.0-3.5	57	38	95	23.0	--	--	CH	FAT CLAY
	5.0-6.5	--	--	--	20.3	109	8.41	CH	FAT CLAY
	8.0-9.5	31	13	87	15.1	--	--	CL	LEAN CLAY
	9.5-11.0	--	--	--	15.9	110	5.14	CL	LEAN CLAY
	14.0-15.5	--	--	--	10.5	113	1.54	CL	LEAN CLAY
B-76	2.0-4.0	--	--	--	9.4	127	17.2	CH	SANDY FAT CLAY
B-77	2.0-4.0	--	--	--	17.6	108	8.66	CL	LEAN CLAY
	4.0-6.0	47	27	80	15.2	--	--	CL	LEAN CLAY
B-78	6.0-8.0	--	--	--	23.0	101	5.42	CL	LEAN CLAY
B-79	2.0-4.0	45	29	56	12.0	--	--	CL	SANDY LEAN CLAY
	4.0-6.0	--	--	--	12.9	107	8.68	CL	SANDY LEAN CLAY
	4.0-6.0	--	--	--	14.4	120	14.0	CH	FAT CLAY
B-81	6.0-8.0	--	--	--	26.5	93	1.98	CH	FAT CLAY
	8.0-10.0	79	52	96	28.4	--	--	CH	FAT CLAY
	4.0-6.0	51	31	88	24.1	--	--	CH	FAT CLAY
B-83	6.0-8.0	--	--	--	27.8	89	0.85	CH	FAT CLAY
	4.0-6.0	51	31	88	24.1	--	--	CH	FAT CLAY
RB-5	3.5-5.0	71	50	99	23.3	--	--	CH	FAT CLAY
	8.0-9.5	--	--	--	26.3	98	3.73	CH	FAT CLAY
	11.0-12.5	61	38	95	26.4	--	--	CH	FAT CLAY
	17.0-18.5	--	--	--	23.4	97	3.42	CH	FAT CLAY
	5.0-6.5	84	63	98	28.9	--	--	CH	FAT CLAY
RB-6	8.0-9.5	--	--	--	28.5	94	1.05	CH	FAT CLAY
	15.5-17.0	65	46	99	24.1	--	--	CH	FAT CLAY
	17.0-18.5	--	--	--	25.5	100	3.14	CH	FAT CLAY
RB-7	6.5-8.0	--	--	--	17.4	105	3.63	CH	FAT CLAY
	8.0-9.5	59	40	96	20.7	--	--	CH	FAT CLAY
	12.5-14.0	--	--	--	17.0	99	1.29	CL	LEAN CLAY
	14.0-15.5	43	26	96	17.0	--	--	CL	LEAN CLAY
	3.5-5.0	48	30	92	15.3	--	--	CL	LEAN CLAY
RB-8	8.0-9.5	--	--	--	20.2	107	6.50	CL	LEAN CLAY
	12.5-14.0	39	23	90	16.8	--	--	CL	LEAN CLAY
	14.0-15.5	--	--	--	17.1	114	4.47	CL	LEAN CLAY

<sup>1</sup>LIQUID LIMIT    <sup>2</sup>PLASTICITY INDEX    <sup>3</sup>% PASSING #200 SIEVE    <sup>4</sup>MOISTURE CONTENT  
<sup>5</sup>UNIT DRY WEIGHT    <sup>6</sup>UNCONFINED COMPRESSIVE STRENGTH    <sup>7</sup>UNIFIED SOIL CLASSIFICATION