C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	98-00009-00-BR	SANGAMON	107	64
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
M.P. 179 SPRINGFIELD SUBDIVISION				
SHEET 27 OF 27				

93346

BORING NO. 2

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 2

Sheet 1 of 2

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00 BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 12+5/, 41' Left Meredith Drive

WATER LEVELS: Dry upon completion

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
				Surface Elev.: 553.0 ft				
	0	1	18	Black silty CLAY with heavy organics to -6" (topsoil)	CL	7-9-9 N=18	9	
				Brown silty clay, trace sand and gravel, hard (till)	CL			
550	5	2	18			13-13-14 N=27	7	
		3	18			10-13-15 N=28	7	
545	10	4	18	COAL	COAL	7-7-9 N=16	51	
		5	18	Grayfbrown silty CLAY, trace sand and gravel, hard (till)	CL	6-10-14 N=24	10	
540	15	6	18	Gray silty CLAY, trace sand and gravel, hard (till)	CL	15-26-30 N=56	7	
		7	5	Gray weathered SHALE, hard		50/5"	4	
535	20	8	3			50/3"	4	
		9	2			50/2"	4	
				Light gray Limestone, hard				

Continued Next Page

Completion Depth: 22.5 ft
Date Boring Started: 11/20/01
Date Boring Completed: 11/20/01
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks

The stratification lines represent approximate boundaries. The transition may be gradual.

BORING NO. 2

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 2

Sheet 2 of 2

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00-BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 12+57, 41' Left Meredith Drive

WATER LEVELS: Dry upon completion

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
		10	60	Light gray Limestone, hard		RQD=36		
				light brown, SANDSTONE, hard				
				Light gray Limestone, hard				
				Gray weathered SHALE, hard				
				End of boring at -28'				

Completion Depth: 22.5 ft
Date Boring Started: 11/20/01
Date Boring Completed: 11/20/01
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks

The stratification lines represent approximate boundaries. The transition may be gradual.

BORING NO. 3

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 3

Sheet 1 of 1

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00-BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 12+20, 43' Right Meredith Drive

WATER LEVELS: Dry upon completion

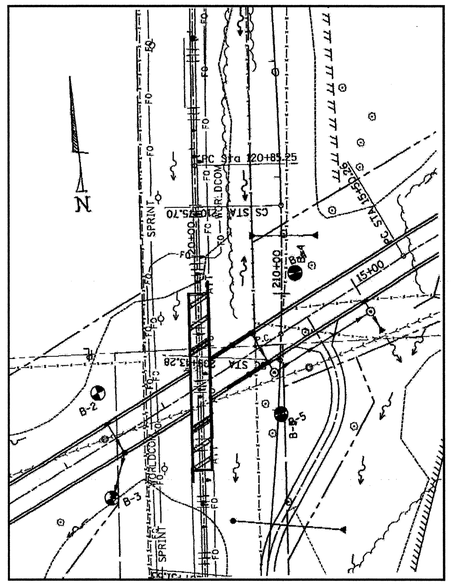
Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
				Surface Elev.: 543.3 ft				
	0	1	18	Black silty CLAY with heavy organics to -4" (topsoil)	CL			
				Black silty CLAY, stiff	CL	3-4-5 N=9	18	
				Brown silty CLAY, stiff				
540	5	2	18	Grayfbrown silty CLAY, very stiff	CL	7-9-14 N=23	10	
		3	18	Brown/gray SANDSTONE, hard		32-30/6"	6	
535	10	4	5	Gray SANDSTONE, hard		50/6"	4	
		5	3			50/3"	6	
				Light gray LIMESTONE, hard	CL			
				Gray silty CLAY, very stiff to hard				
				Light brown SANDSTONE, hard				
		6	60			RQD=61		
				Light gray LIMESTONE, hard				
				End of Boring at -17'				

Completion Depth: 12.5 ft
Date Boring Started: 11/20/01
Date Boring Completed: 11/20/01
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks

The stratification lines represent approximate boundaries. The transition may be gradual.



BORING LOCATION MAP

BORING NO. 4

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62/04
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 4

Sheet 1 of 2

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00-BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 210+18, 12' Right Scotty Track

WATER LEVELS: Upon completion 8.5 foot

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
				Surface Elev.: 554.6 ft				
	0	1	18	Brown silty CLAY to clayey SILT		4-4-4 N=8	27	
550	5	2	18		ML	3-3-5 N=8	22	
		3	18	Grayfbrown clayey SILT		6-5-8 N=13	15	
545	10	4	18		ML	7-7-7 N=14	20	Qu = 2.1 tsf
		5	18			6-6-9 N=17	25	
540	15	6	18	Gray silty CLAY	CL	5-7-11 N=18	21	Qu = 3.3 tsf
		7	11	Gray very weathered SHALE, hard		22-50/5"	16	
535	20	8	12			29-50/6"	10	
		9	1			50/1"	7	
530	25	10	1			50/1"	7	

Continued Next Page

Completion Depth: 31.5 ft
Date Boring Started: 1/7/02
Date Boring Completed: 1/7/02
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

BORING NO. 4

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 4

Sheet 2 of 2

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00-BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 210+18, 12' Right Scotty Track

WATER LEVELS: Upon completion 8.5 foot

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
	25			Gray very weathered SHALE, hard				
				Light gray LIMESTONE, hard				
525	30	11	60	Gray weathered SHALE, hard		RQD=19		
				End of boring at -31.5'				

Completion Depth: 31.5 ft
Date Boring Started: 1/7/02
Date Boring Completed: 1/7/02
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

BORING NO. 5

Professional Service Industries, Inc.
480 North Street
Springfield, Illinois 62704
Telephone: (217) 544-6663
Fax: (217) 544-6148

LOG OF BORING 5

Sheet 1 of 1

PSI Job No.: 020-15003
Project: SPCSL RR over Meredith Drive
Location: Sec 98-00009-00 BR, Sherman, Illinois

Drilling Method: Split Spoon
Sampling Method: 3 1/4 Hollow Stem Auger
Hammer Type: Automatic
Boring Location: Station 202+97, 2.0' Right Scotty Track

WATER LEVELS: Dry upon completion

Elevation (feet)	Depth (feet)	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch	Moisture %	Additional Remarks
				Surface Elev.: 543.1 ft				
	0	1	18	Black silty CLAY with heavy organics to -9" (topsoil)	CL			
				Black silty CLAY, firm	CL	2-2-2 N=4	25	
				Dark gray/brown silty CLAY to clayey SILT, firm	CL-ML			
540	5	2	18	Brown clayey SILT, firm to stiff		2-2-2 N=4	21	Qu = 0.4 tsf
		3	18		ML	7-7-3 N=5	16	
535	10	4	18	Light brown/gray clayey SILT, stiff		5-6-10 N=16	10	
		5	8	Gray/brown SANDSTONE, some SILT, hard	ML	25-50/2"	9	
530	15	6	2			50/2"	4	
		7	5			50/5"		
				Light gray LIMESTONE, hard				
				Light gray weathered SHALE, hard				
		8	60			RQD=36		
				Light Brown SANDSTONE, hard				
				End of boring at -22.5'				

Completion Depth: 17.5 ft
Date Boring Started: 11/21/01
Date Boring Completed: 11/21/01
Logged By: Harry Waters
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger

Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

BRIDGE SOIL BORINGS
UNION PACIFIC RAILROAD
OVER MEREDITH DRIVE
SANGAMON COUNTY
SEC. 98-00009-00-BR
STA. 9437+93.49 U.P.R.R.
STRUCT. NO. 084-9946

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DESIGNED BY:	CHECKED BY:	DRAWN BY:	DATE:
G.B.M.	D.R.B.	THW	1-3-03

FILE: 11/07/03 10:30:49 AM