

Wang Engineering, INC.
 Consulting Geotechnical and Environmental Engineers
 wangeng3@wangeng.com
 1145 Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG JP-37
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 4.01 ft
 North: 1839820.39 ft
 East: 1176757.87 ft
 Station: 131+53.30
 Offset: -46.86 LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
3.3	8-inch thick, black CLAY LOAM --TOPSOIL-- Stiff, brown and gray CLAY	1	X	4	1.97	19									
		5	X	3	1.31	19									
1.5	Stiff to hard, gray, gravelly SILTY CLAY	3	X	3	1.80	13									
5.3	Medium dense, black, coarse SAND	4	X	7	NP	17									
6.5	Stiff to hard, gray, gravelly SILTY CLAY	5	X	6	6.15	12									
		15	X	3	4.02	12									
		7	X	4	1.80	17									
		8	X	3	1.56	16									
		9	X	8	3.69	12									
		10	X	24	8.20	11									
-20.0	Boring terminated at 24.00 ft	25													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-15-2003	Complete Drilling	05-15-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG JP-43
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.21 ft
 North: 1838861.68 ft
 East: 1179182.05 ft
 Station: 1141+50.1
 Offset: -25.78 LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
10	14-inch thick, black SANDY LOAM --TOPSOIL-- Very stiff to hard, brown and gray CLAY to SILTY CLAY	1	X	4	4.50	18									
		2	X	1	2.30	20									
		3	X	4	NP	15									
		4	X	3	2.21	16									
		5	X	6	3.00	16									
		6	X	3	5.33	14									
13.3	Medium dense, gray, coarse SANDY LOAM, wet	7	X	9	NP	14									
16.8	Medium dense, gray SILTY LOAM	8	X	4	NP	19									
17.8	Boring terminated at 20.00 ft	20													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-05-2003	Complete Drilling	05-05-2003	While Drilling	∇	15.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	12.50 ft	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

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BORING LOG SP-31
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.05 ft
 North: 1840935.26 ft
 East: 1177635.03 ft
 Station: 146+17
 Offset: 14' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.6	6-inch thick, black SILTY CLAY LOAM		1	3									
	--TOPSOIL--		9	7	4.50	7							
	Hard, gray SILTY CLAY		7	7									
			12	12									
			10	10	4.50	14							
			8	8									
			7	7									
			9	9	4.50	10							
			10	10									
			7	7									
			9	9	4.50	12							
			8	8									
			8	8	4.50	12							
			8	8									
			9	9	4.50	12							
-7.0													
	Boring terminated at 10.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-13-2005	Complete Drilling	09-13-2005	White Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG SP-32
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.67 ft
 North: 1840445.63 ft
 East: 1177374.23 ft
 Station: 140+60
 Offset: 38' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	9-inch thick, ASPHALT												
	--PAVEMENT--												
2.9	Medium stiff to very stiff, gray CLAY		1	1	2.00	16							
			1	1									
			2	2	1.50	18							
			2	2									
			3	3									
			2	2									
			2	2	0.50	20							
			2	2									
			2	2									
2.8	Hard, gray SILTY CLAY		3	3	4.50	13							
			4	4									
			5	5	4.50	12							
			8	8									
			12	12									
			9	9	4.50	12							
			11	11									
			13	13	4.50	12							
			12	12									
			7	7	4.50	12							
			8	8									
			9	9	4.50	12							
			9	9									
6.3													
	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-28-2005	Complete Drilling	08-28-2005	White Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

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BORING LOG SP-33

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.50 ft
 North: 1840133.23 ft
 East: 1177143.95 ft
 Station: 136+63
 Offset: 39' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	OU (tsf)	Moisture Content (%)
2.5	12-inch thick, brown LOAM --TOPSOIL--			1											
	Hard, brown SILTY CLAY			1		4.50	19								
				3											
				5											
1.0	Medium dense, brown LOAM			2		NP	14								
				9											
				6											
-0.8	Stiff, brown CLAY			3		1.00	19								
				3											
				3											
-2.5	Stiff to hard, brown to gray SILTY CLAY			4		3.00	15								
				5											
				3											
				7											
				5											
				10											
				6		2.50	13								
				8											
				13											
				13											
-8.5	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-19-2005	Complete Drilling	09-19-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	S. Sugiarto	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG SP-34

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.23 ft
 North: 1839911.57 ft
 East: 1176912.11 ft
 Station: 133+36
 Offset: 33' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	OU (tsf)	Moisture Content (%)
1.6	8-inch thick, CONCRETE --PAVEMENT--														
	Very dense, green and gray GRAVELLY SAND with slag --FILL--			1	13 38	NP	10								
				8											
				2	37 56 42	NP	39								
-1.8	Hard, gray SILTY CLAY			3		4.50	15								
				7											
				7											
-2.8	Medium dense, gray SAND			3	6 3										
				4		3.50	14								
				3											
				5											
				5											
				5											
				10											
				6		4.50	15								
				3											
				3											
				5											
				6											
-5.8	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-28-2005	Complete Drilling	08-28-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

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BORING LOG SP-35
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.87 ft
 North: 1839789.31 ft
 East: 1176734.64 ft
 Station: 131+16
 Offset: 33' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG SP-36
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.11 ft
 North: 1839664.85 ft
 East: 1176487.89 ft
 Station: 128+35
 Offset: 33' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.4	6-inch thick, CONCRETE --PAVEMENT--														
1.4	12-inch thick, CRUSHED STONE --BASE COURSE--														
	Stiff to hard, gray CLAY to CLAY LOAM --A-4 (3)-- --LL=24%, PL=16%--	1		12	NP	32									
		2		10			1.00	29							
		3		1			1.25	17							
		4		6			4.50	13							
-5.6	Medium dense, gray SILT	8		12			4.50	11							
-6.1	Hard, gray SILTY CLAY to CLAY	10		10											
		11		12											
		12		10			4.50	16							
		11		12											
		11		11											
	Boring terminated at 12.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
3.4	9-inch thick, CONCRETE --PAVEMENT--														
2.9	6-inch thick, CRUSHED STONE --BASE COURSE--														
	Very dense, green and gray GRAVELLY SAND with slag --FILL--	1		27	NP	15									
		2		39											
		23		23	NP	32									
0.6	Stiff to hard, gray CLAY to SILTY CLAY	3		3			1.75	20							
		5		3											
		3		3											
		3		3											
		4		5			4.50	12							
		7		7											
		9		9											
-3.9	Dense, gray SILTY LOAM	8		10	NP	13									
		10		15											
		17		17											
-5.9	Medium dense, gray SANDY LOAM	10		9	NP	14									
		13		13											
		15		15											
		14		14											
	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-28-2005	Complete Drilling	08-28-2005	While Drilling	☑	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-28-2005	Complete Drilling	08-28-2005	While Drilling	☑	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-35 & SP-36

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG SP-37
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 5.76 ft
 North: 1839537.41 ft
 East: 1176383.57 ft
 Station: 126+93
 Offset: 51' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
3.3	30-inch thick, medium dense, brown LOAM --TOPSOIL--	5 13 14 16		1		NP	7								
5.5	Very soft to very stiff, brown to gray SILTY CLAY LOAM --A-4 (5)-- --LL=26%, PL=17%--	8 5 5 5		2	3.50	P	14								
5.5		7 3 1 1		3			20								
5.5		1 1 2 3		4			15								
5.5		8 4 7 8		5			13								
5.5	Medium dense, gray coarse SAND	6 10 12 13		6			14								
	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-13-2005	Complete Drilling	09-13-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG SP-38
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.84 ft
 North: 1839576.25 ft
 East: 1176216.73 ft
 Station: 125+44
 Offset: 33' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
2.3	7-inch thick, CONCRETE --PAVEMENT--														
2.3	11-inch thick, CRUSHED STONE --BASE COURSE--	1 2 4		1	3 2 4	NP	15								
2.3	Very stiff, gray CLAY --FILL--	25 98 32 30		2		NP	32								
2.2	Very dense, green and gray GRAVELLY SAND with slag --FILL--	12 10 5 8		3		NP	20								
2.2	Very stiff to hard, gray SILTY CLAY	8 10 12 11		4			12								
2.2		5 8 16 12		5			13								
2.2		7 9 9 8		6			14								
	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-37 & SP-38

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG SP-39
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 0.61 ft
 North: 1839450.03 ft
 East: 1175794.29 ft
 Station: 121+09
 Offset: 41' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG SP-40
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.38 ft
 North: 1839516.77 ft
 East: 1175634.06 ft
 Station: 119+50
 Offset: 30' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.61	30-inch thick, dense, brown LOAM --TOPSOIL--	0	1	6 17 17	NP	8							
-1.3	Hard, brown SILTY CLAY to SILTY CLAY LOAM	1.3	2	7 13 10 12	P	12							
		5	3	6 7 8 11	P	9							
			4	6 6 9 7	P	12							
			5	5 5 9 7	P	14							
		10	6	8 13 15 17	P	11							
-11.4	Boring terminated at 12.00 ft	12.00											

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.61	9-inch thick, CONCRETE --PAVEMENT--	0	1	13 15 31	NP	35							
-1.6	6-inch thick, CRUSHED STONE --BASE COURSE--	1.6	2	14 20 30 58	NP	35							
	Very dense, green and brown GRAVELLY SAND, with slag --FILL--		3	8 14 7 6	P	14							
	Hard, gray SILTY CLAY	5.4	4	6 4 4 7	P	15							
			5	5 9 13 13	P	12							
		10	6	7 9 12 14	P	12							
-12.4	Boring terminated at 12.00 ft	12.00											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2005	Complete Drilling	09-12-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	S. Suglaro	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-39 & SP-40

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG SP-41
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -3.34 ft
 North: 1839500.74 ft
 East: 1175027.64 ft
 Station: 113+44
 Offset: 29' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG SP-42
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -2.84 ft
 North: 1839422.53 ft
 East: 1174680.53 ft
 Station: 109+95
 Offset: 41' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.1	9-inch thick, CONCRETE --PAVEMENT--														
4.8	9-inch thick, CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY	1		3	4.00	12									
		2		11	3.75	14									
		3		5											
		4		9											
		5		11											
		6		10											
		10		10											
		15.3		12											
				15											
				20											

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	18-inch thick, black LOAM --TOPSOIL--														
		1		8											
		4.3		9											
	Medium dense, brown and green GRAVELLY SANDY LOAM	6		9											
		2		11											
		5.3		13											
	Very stiff to hard, brown and gray SILTY CLAY	13		13											
		3		3											
		5		7											
		10		12											
		14.8		15											
				18											
				20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2005	Complete Drilling	09-12-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	S. Sugarlo	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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BORING LOG SP-43
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.21 ft
 North: 1839470.74 ft
 East: 1173732.10 ft
 Station: 100+48
 Offset: 31' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street.

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BORING LOG SP-44
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.49 ft
 North: 1839457.04 ft
 East: 1173131.90 ft
 Station: 94+48
 Offset: 32' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
12.0	12-inch thick, ASPHALT --PAVEMENT--												
9.7	6-inch thick, CRUSHED STONE --BASE COURSE--												
	Very stiff to hard, gray SILTY CLAY		1	6	4.50	11							
			7										
			10										
			8		4.50	13							
			8										
			8										
			4										
			4		4.00	14							
			4										
			5										
			6		3.75	15							
			7										
			7										
			4										
			4		4.00	16							
			4										
			6										
			6		4.50	10							
			7										
			9										
			11										
-9.8	Boring terminated at 12.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.5	12-inch thick, ASPHALT --PAVEMENT--												
	Stiff to hard, gray SILTY CLAY		1	2	3.50	15							
			2										
			4										
			6		4.50	12							
			8										
			10										
			3										
			4		3.25	14							
			4										
			4		3.75	14							
			7										
			9										
			2										
			3		2.00	16							
			4										
			5										
			2										
			3		1.75	17							
			4										
			5										
8.5	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-43 & SP-44

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG SP-45
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 5.76 ft
 North: 1839441.04 ft
 East: 1172538.29 ft
 Station: 81+04
 Offset: 27' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4.3	18-inch thick, ASPHALT --PAVEMENT--														
	Stiff to hard, gray SILTY CLAY	1		4	1.50	14									
		2		4	4.50	13									
		3		3	4.50	13									
		4		4	4.50	13									
		5		5	4.50	14									
		6		10	NP	14									
5.2	Medium dense, gray SANDY LOAM														
6.2	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG SP-46
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.10 ft
 North: 1839789.17 ft
 East: 1176921.24 ft
 Station: 339+42
 Offset: 20' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4.1	7-inch thick, CONCRETE --PAVEMENT--														
	Very dense, green coarse SAND --FILL--	1		10	NP	31									
		2		21	NP	35									
	Very stiff to hard, gray SILTY CLAY	3		3	4.50	12									
		4		7	4.50	12									
		5		8	4.50	12									
		6		8	3.00	16									
12.1	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-09-2005	Complete Drilling	09-09-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	S. Sugiarto	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-45 & SP-46

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG SP-53
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.20 ft
 North: 1839485.45 ft
 East: 1174416.44 ft
 Station: 107+32
 Offset: 28' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	8-inch thick, CONCRETE												
1.9	--PAVEMENT--												
2.4	6-inch thick, CRUSHED STONE												
	--BASE COURSE--												
	Hard, gray SILTY CLAY		1	3	> 4.50	14							
				3	P								
				4									
			2	8	> 4.50	15							
				6	P								
				7									
				7									
			3	8	> 4.50	13							
				6	P								
				7									
				8									
			4	11	NP	13							
	Dense, gray SILT			13									
				24									
				19									
			5	11	> 4.50	11							
	Hard, gray SILTY CLAY			16	P								
				20									
				17									
			6	8	> 4.50	13							
				17	P								
				19									
				21									
				21									
	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-29-2005	Complete Drilling	08-29-2005	While Drilling	▽ DRY
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ DRY
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽ NA
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

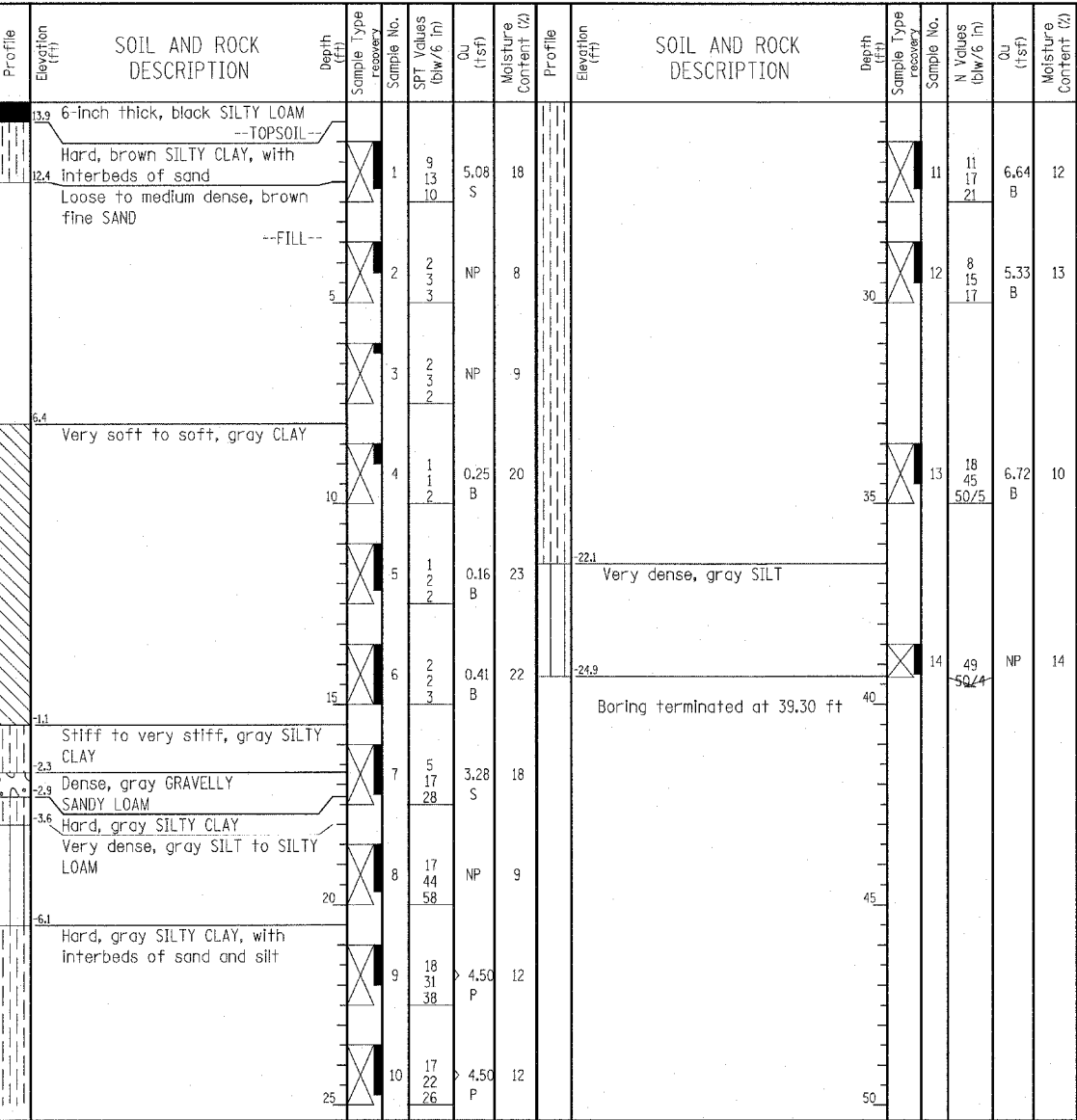
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE	F.A.I. 94 (DAN RYAN EXPRESSWAY)	
		SOIL BORING SP-53	
		SCALE: N.T.S.	DRAWN BY: MPG
		DATE: MARCH 1, 2006	CHECKED BY: JPM

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BORING LOG SB 34-09 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 14.40 ft
 North: 1843033.52 ft
 East: 1177629.74 ft
 Station: 1216+52.8
 Offset: 100.553' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



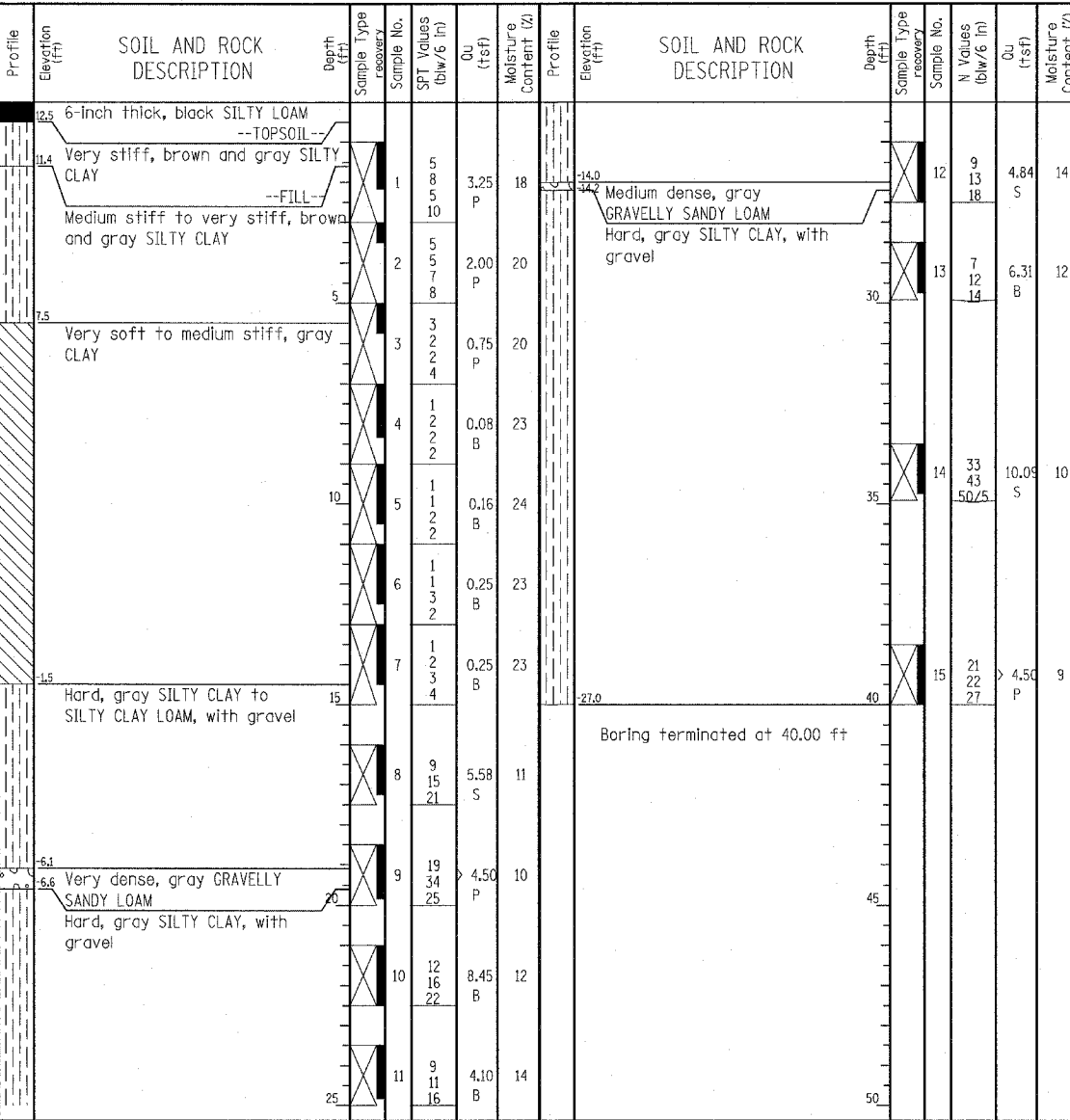
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-06-2004	Complete Drilling	02-06-2004	While Drilling	▽	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	▽	DRY	
Driller	J&E	Logger	J, Kasnick	Time After Drilling	NA		
Checked by	N. Davis			Depth to Water	▽	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG SB 34-10 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 13.04 ft
 North: 1843104.19 ft
 East: 1177632.46 ft
 Station: 1217+23.4
 Offset: 95.815' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



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BORING LOG SB 34-11
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 11.10 ft
 North: 1843179.60 ft
 East: 1177636.76 ft
 Station: 1217+98.6
 Offset: 89.35' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
10.6	6-inch thick, black LOAM --TOPSOIL-- Stiff to hard, black and gray SILTY CLAY to CLAY, with gravel	1	22	18	7.38	15							
7.1	Very stiff, gray CLAY	2	7	6	8.45	13							
5.6	Very soft to soft, gray CLAY	3	3	4	0.25	23							
		4	1	2	0.16	23							
		5	2	2	0.25	23							
-1.9	Stiff, gray CLAY LOAM, with gravel	6	12	20	1.31	9							
-3.4	Dense, gray GRAVELLY SAND	15											
-5.4	Hard, gray SILTY CLAY, with gravel	7	13	19	7.54	11							
		8	12	21	4.50	11							
		9	16	22	7.22	12							
		10	12	20	7.30	14							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-05-2004	Complete Drilling	02-05-2004	While Drilling	∇	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	∇	DRY	
Driller	J&E	Logger	J. Kasnick	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG SB 34-12
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 9.21 ft
 North: 1843251.41 ft
 East: 1177638.50 ft
 Station: 1218+70.4
 Offset: 85.561' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
8.7	6-inch thick, black LOAM --TOPSOIL-- Hard, brown SILTY CLAY, with interbeds of sand	1	19	25	4.50	16							
5.5	Stiff to hard, brown and gray CLAY	2	9	16	8.53	12							
3.7	Very soft to soft, gray CLAY	3	4	3	0.25	22							
		4	2	2	0.25	23							
-1.3	Hard, gray SILTY CLAY, with gravel	5	9	21	6.97	10							
-3.8	Medium dense, gray GRAVELLY SAND	6	11	17	NP	15							
-6.3	Very stiff to hard, gray SILTY CLAY, with interbeds of silt	7	8	16	5.74	15							
		8	14	36	4.50	11							
		9	24	38	4.67	11							
		10	13	32	3.85	11							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-05-2004	Complete Drilling	02-05-2004	While Drilling	∇	13.00 ft	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	∇	DRY	
Driller	J&E	Logger	J. Kasnick	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB 34-11 & SB 34-12

SCALE: N.T.S.
 DATE: MARCH 1, 2006

DRAWN BY: MPC
 CHECKED BY: JPM

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BORING LOG SB 39-05 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

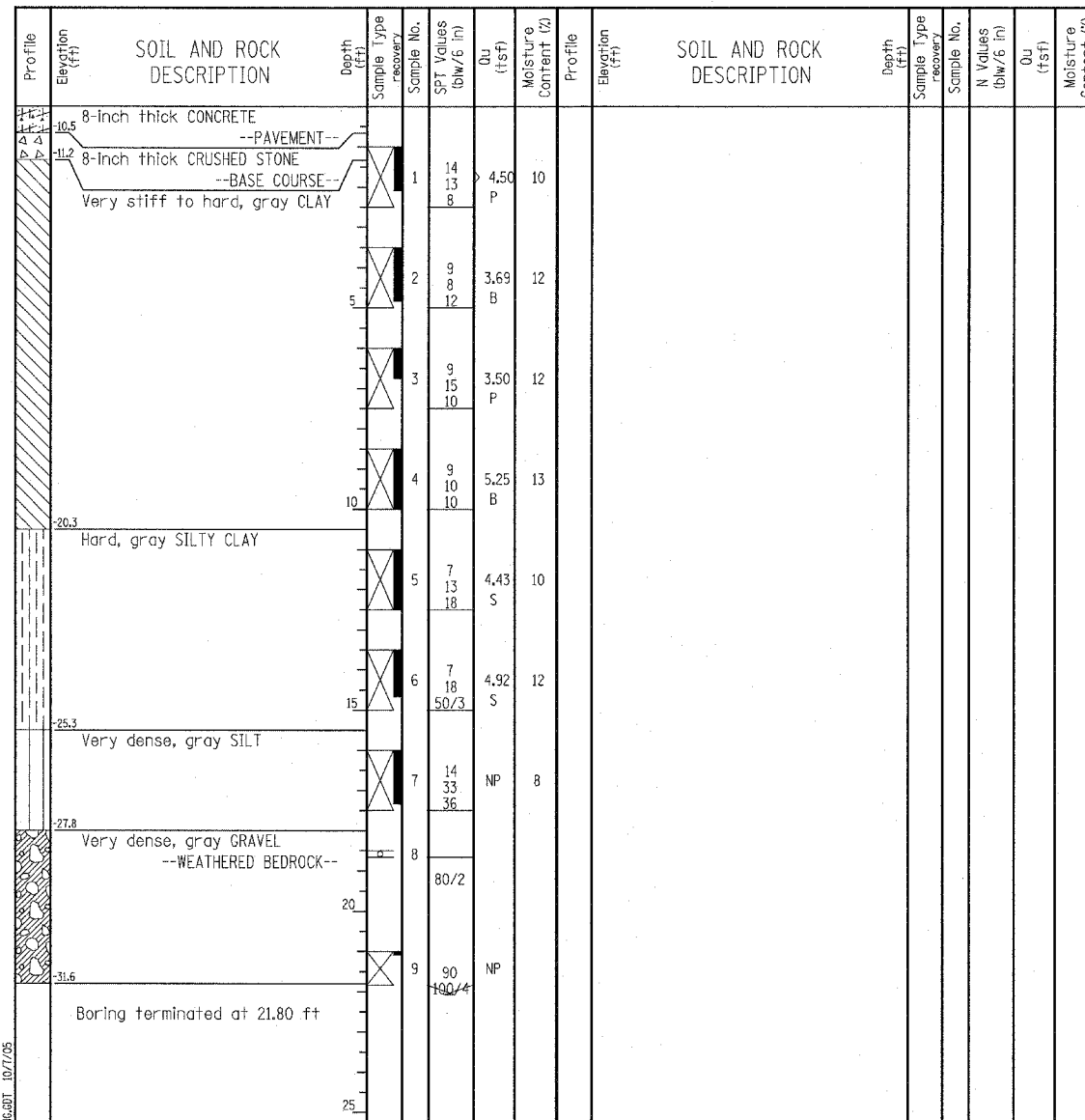
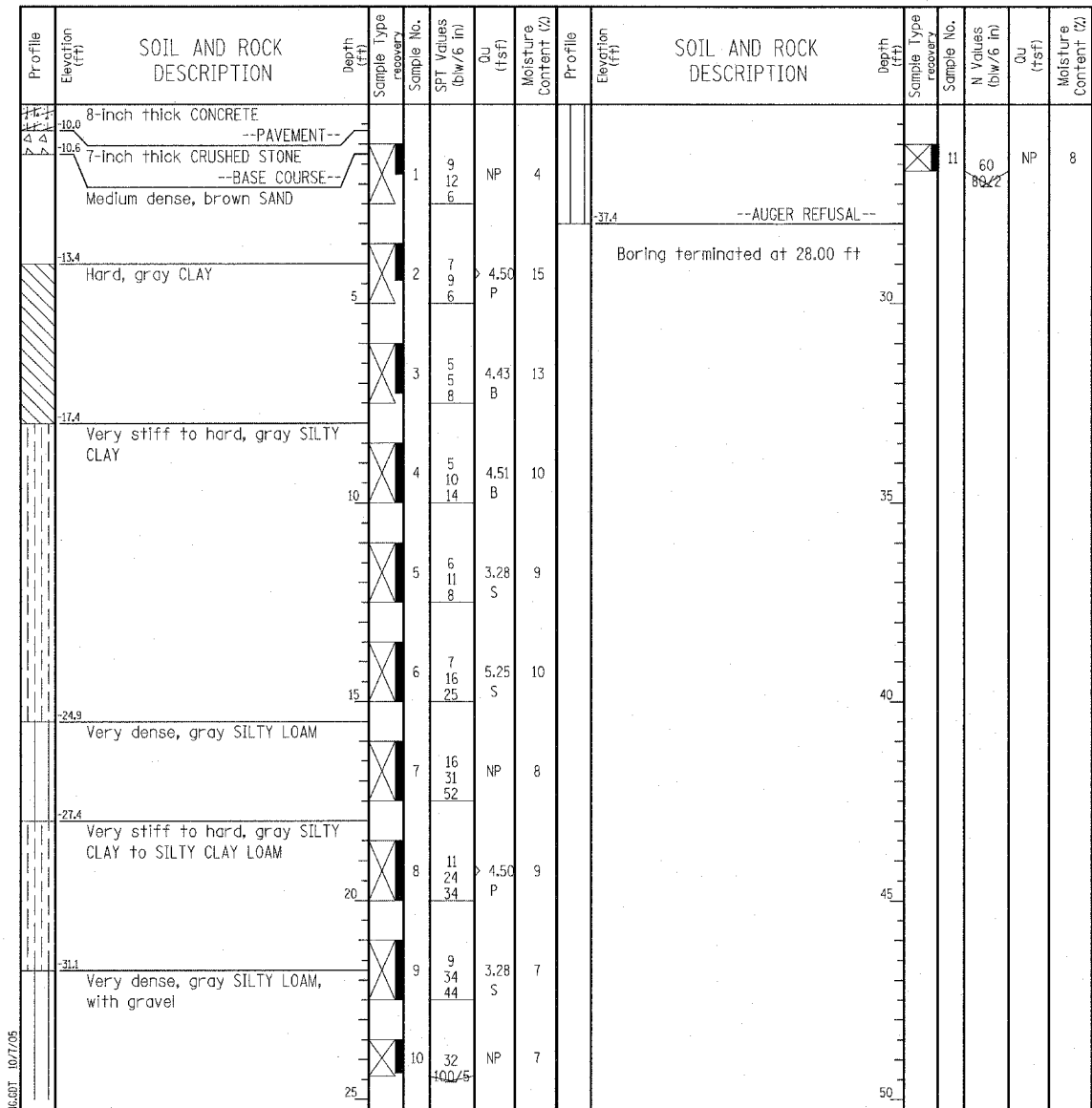
Datum: CCD
 Elevation: -9.37 ft
 North: 1846698.46 ft
 East: 1177567.31 ft
 Station: 1253+18.0
 Offset: 58.05' LT

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BORING LOG SB 39-06 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -9.82 ft
 North: 1846768.18 ft
 East: 1177565.37 ft
 Station: 1253+67.8
 Offset: 58.00' LT



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	01-28-2004	Complete Drilling	01-28-2004	While Drilling	☐ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☐ DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				Depth to Water	☐ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	01-26-2004	Complete Drilling	01-28-2004	While Drilling	☐ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☐ DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				Depth to Water	☐ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB 39-05 & SB 39-06

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BORING LOG SB SGN 13A
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 0.47 ft
 North: 1839900.39 ft
 East: 1176881.61 ft
 Station: 133+09
 Offset: 68' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.2	8-inch thick, black CLAY LOAM --TOPSOIL-- Stiff to hard, gray SILTY CLAY	0	X	1	4 6 6	6.64 B	15	0.4	24.8	0	X	11	14 17 19	9.84 S	11
		5	X	2	3 4 5	1.97 B	14			30	X	12	14 15 19	5.33 S	10
-5.0	Medium stiff, gray CLAY	5	X	3	2 2 3	0.82 B	15				X	13	12 20 19	NP	15
-7.5	Very stiff, gray SILTY CLAY	10	X	4	6 11 12	3.12 S	13	-33.3	Dense, gray SILT, with silty clay interbeds	35	X	13			
-9.3	Medium dense, gray SILT	10	X	5	5 8 8	7.46 B	12	-34.5	Boring terminated at 35.00 ft						
-10.0	Stiff to hard, gray SILTY CLAY, trace sand	15	X	6	3 6 8	4.92 B	13			40					
		20	X	7	4 6 10	7.38 B	12			45					
		25	X	8	5 7 9	6.97 B	13			50					
			X	9	5 9 10	8.12 B	12								
			X	10	8 12 12	1.23 B	10								

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	03-17-2005	Complete Drilling	03-17-2005	While Drilling	▽ 25.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ DRY	
Driller	J&L	Logger	Y. Shu	Time After Drilling	NA	
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion				Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

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BORING LOG SB SGN 13B
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.53 ft
 North: 1839848.19 ft
 East: 1176921.45 ft
 Station: 133+09
 Offset: 12' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.0	6-inch thick, black LOAM --TOPSOIL-- Very stiff, gray SILTY CLAY --FILL--	0	X	1	5 7 7	2.38 S	15			0	X	11	7 10 11	9.84 B	13
-2.2	Medium stiff, gray CLAY	5	X	2	4 4 3	0.90 B	18			30	X	12	8 18 15	4.50 P	12
-4.0	Very stiff, gray SILTY CLAY	5	X	3	2 5 3	3.69 S	16				X	13	16 23 23	4.50 P	14
-7.7	Very stiff, gray CLAY	10	X	4	3 4 5	2.87 B	14	-33.5	Boring terminated at 35.00 ft	35	X	13			
		15	X	5	3 4 5	3.69 B	16			40					
		20	X	6	2 2 4	2.38 B	16			45					
		25	X	7	3 6 9	6.40 B	13			50					
			X	8	6 10 12	9.02 S	9								
			X	9	6 12 13	9.84 S	11								
			X	10	8 12 12	9.43 B	11								

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	03-18-2005	Complete Drilling	03-18-2005	While Drilling	▽ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ DRY	
Driller	J&L	Logger	Y. Shu	Time After Drilling	NA	
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion				Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB SGN 13A & SB SGN 13B

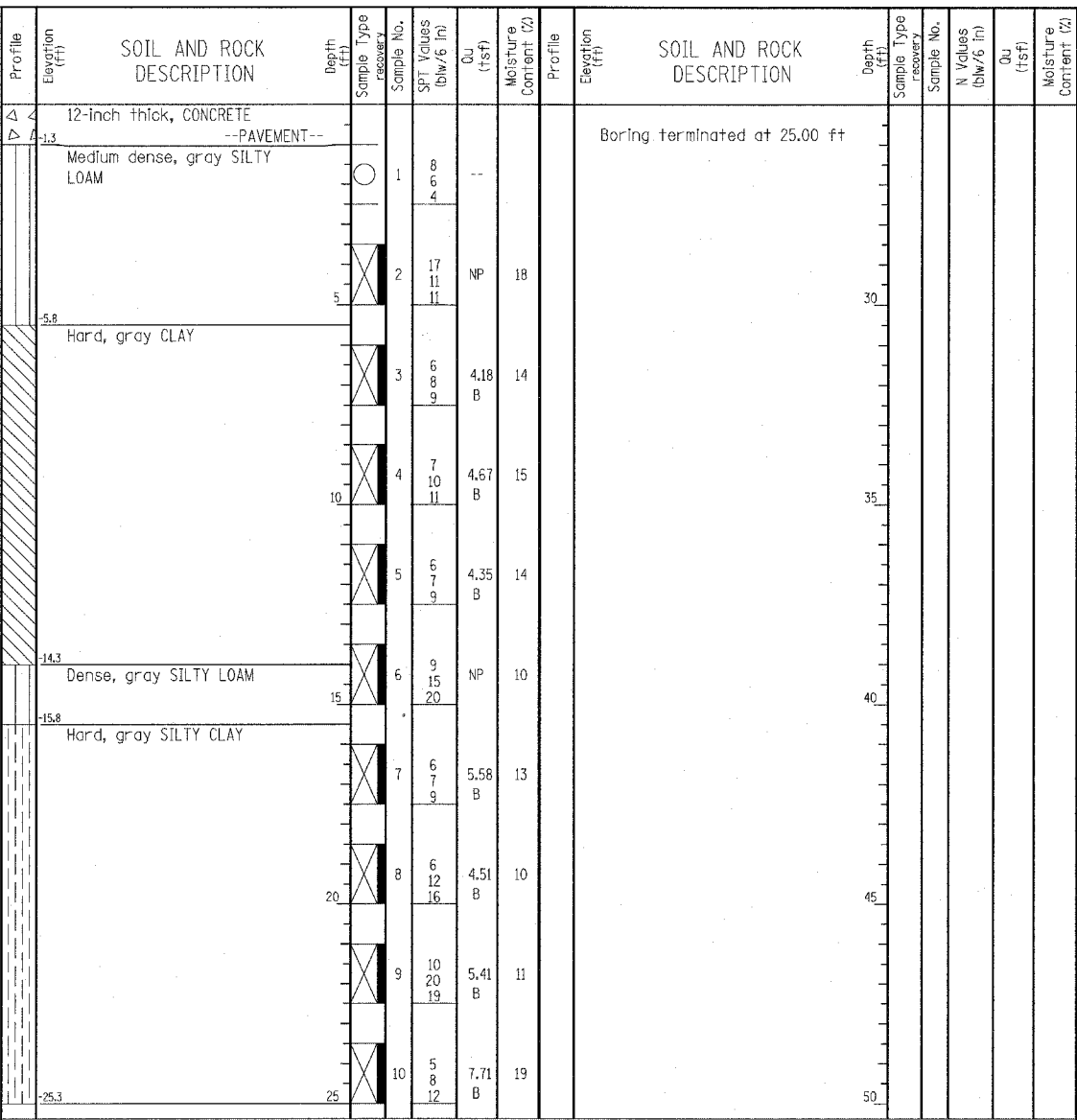
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BORING LOG SB SGN 15B
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -0.30 ft
 North: 1841269.15 ft
 East: 1177729.12 ft
 Station: 149+87
 Offset: 39' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

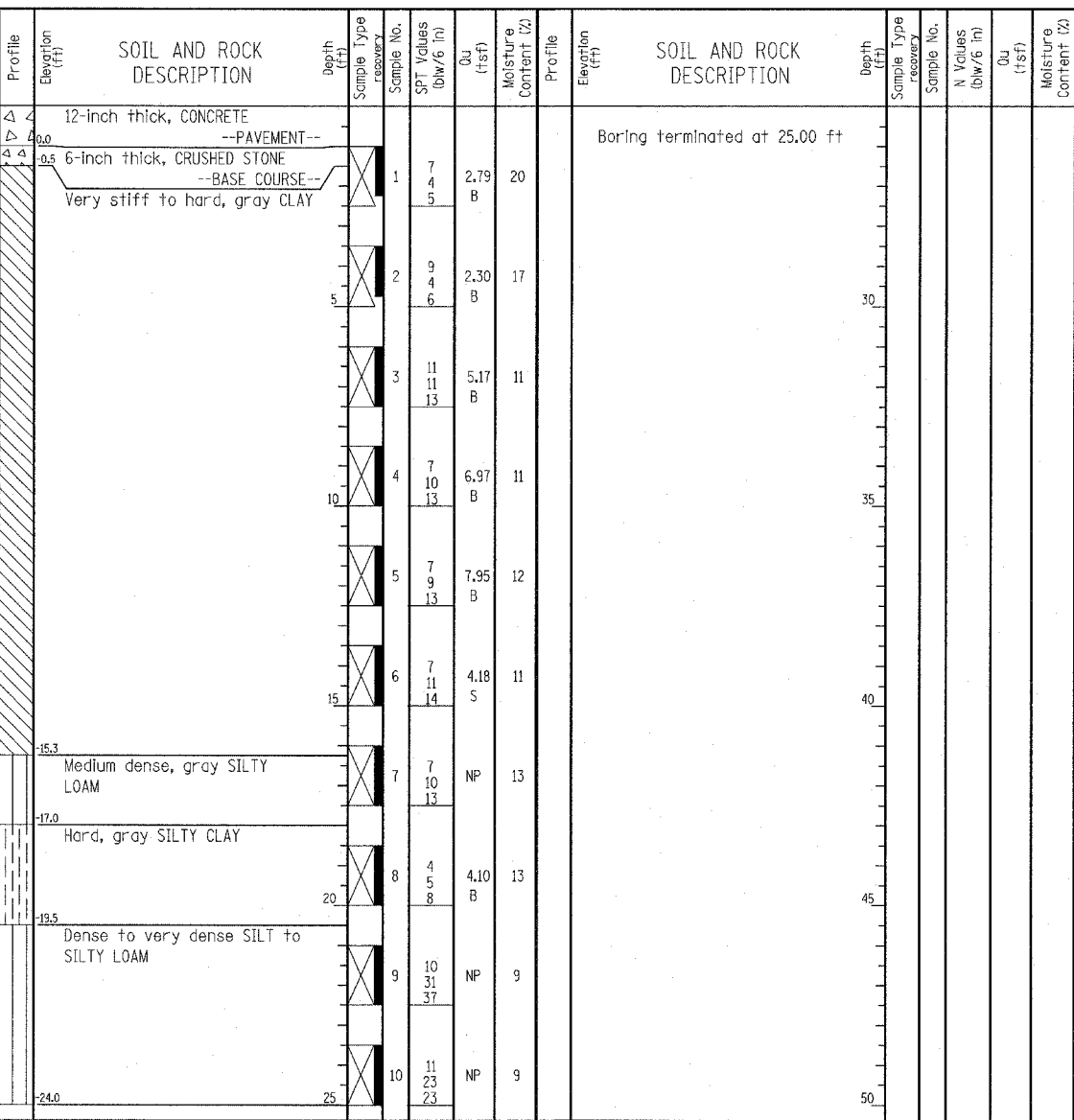


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-13-2005	Complete Drilling	04-13-2005	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

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BORING LOG SB SGN 17B
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 0.99 ft
 North: 1843786.59 ft
 East: 1177712.39 ft
 Station: 1224+00
 Offset: 9' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-12-2005	Complete Drilling	04-13-2005	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB SGN 15B & SB SGN 17B

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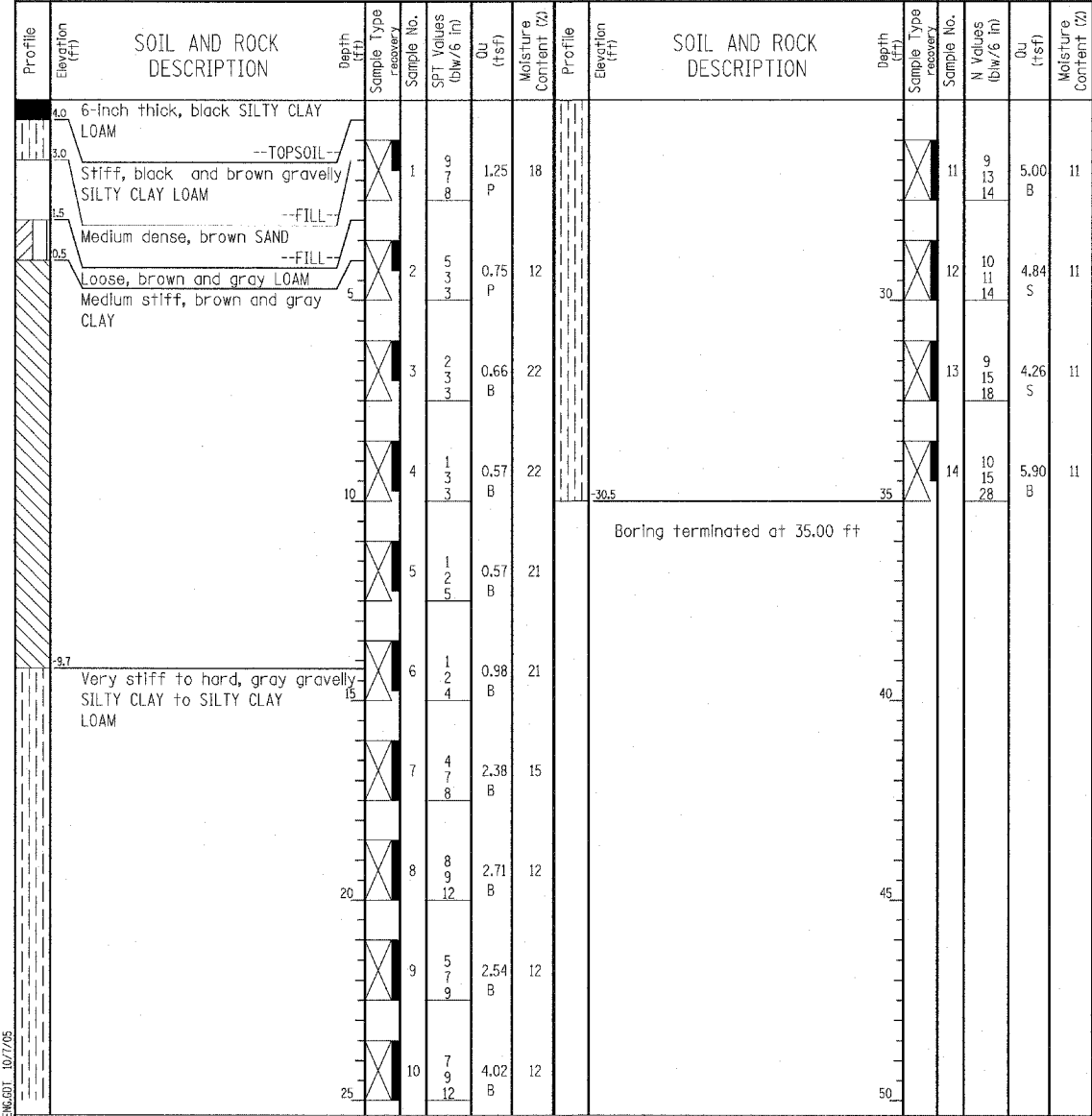
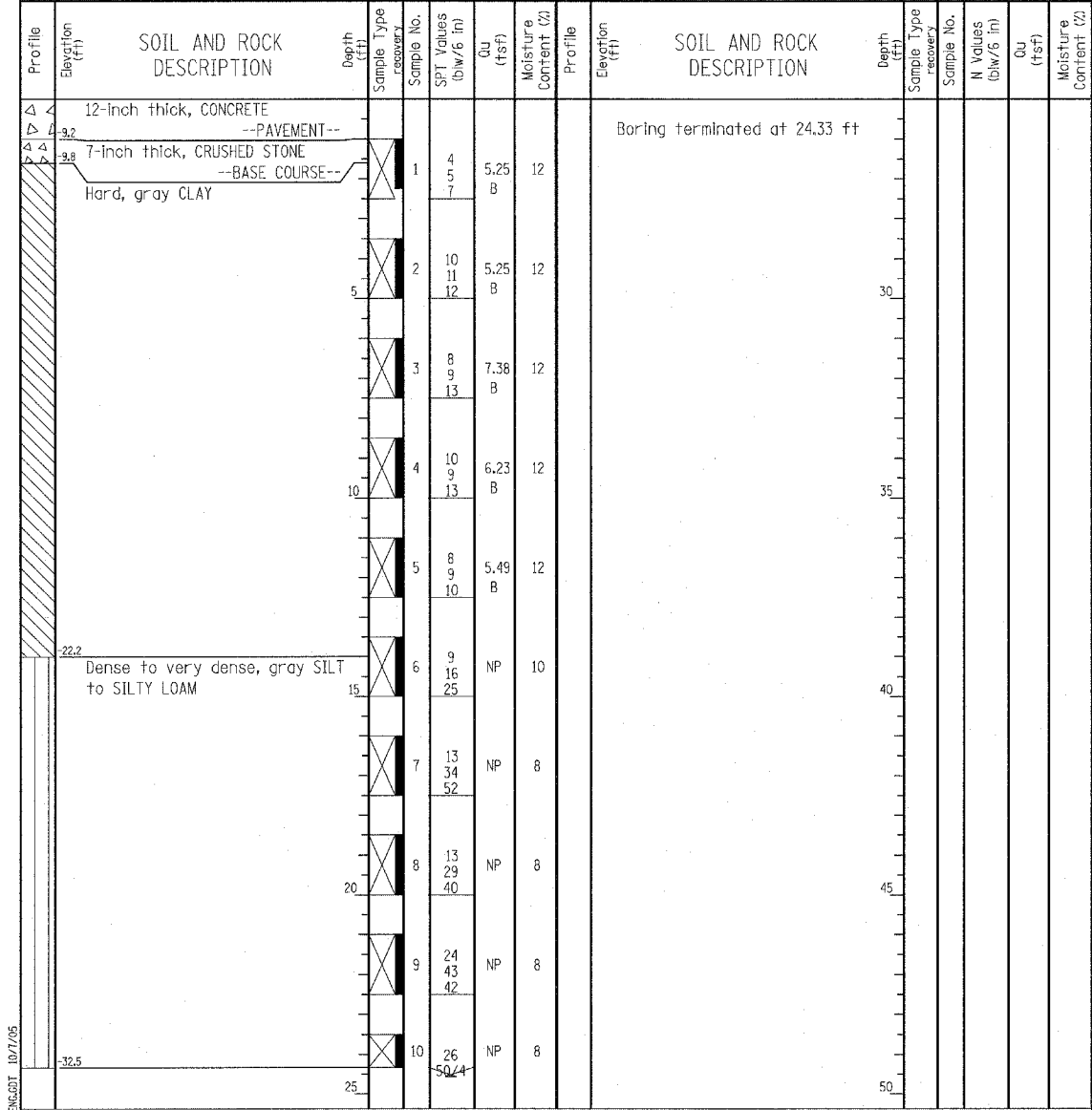
BORING LOG SB SGN 19B
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.20 ft
 North: 1846503.40 ft
 East: 1177631.47 ft
 Station: 1251+43
 Offset: 10' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG SB SGN 20A
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.46 ft
 North: 1849045.14 ft
 East: 1177421.86 ft
 Station: 1276+67
 Offset: 92' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-12-2005	Complete Drilling	04-12-2005	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	02-18-2005	Complete Drilling	02-18-2005	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	K&A	Logger	J. Kasnick	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB SGN 19B & SB SGN 20A

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BORING LOG SB SGN 20B
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 1.81 ft
 North: 1849047.20 ft
 East: 1177560.89 ft
 Station: 1276+67
 Offset: 12' RT

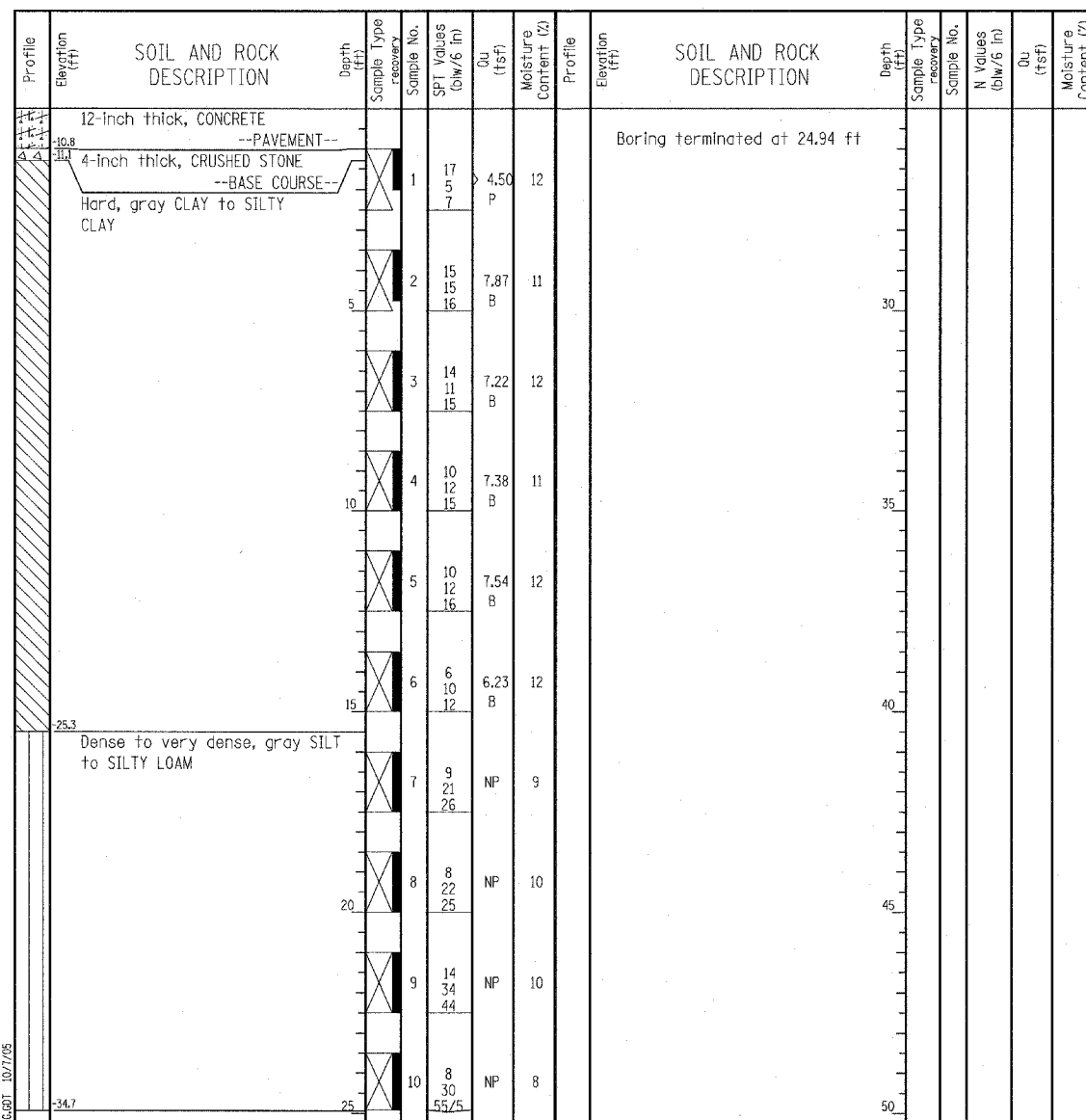
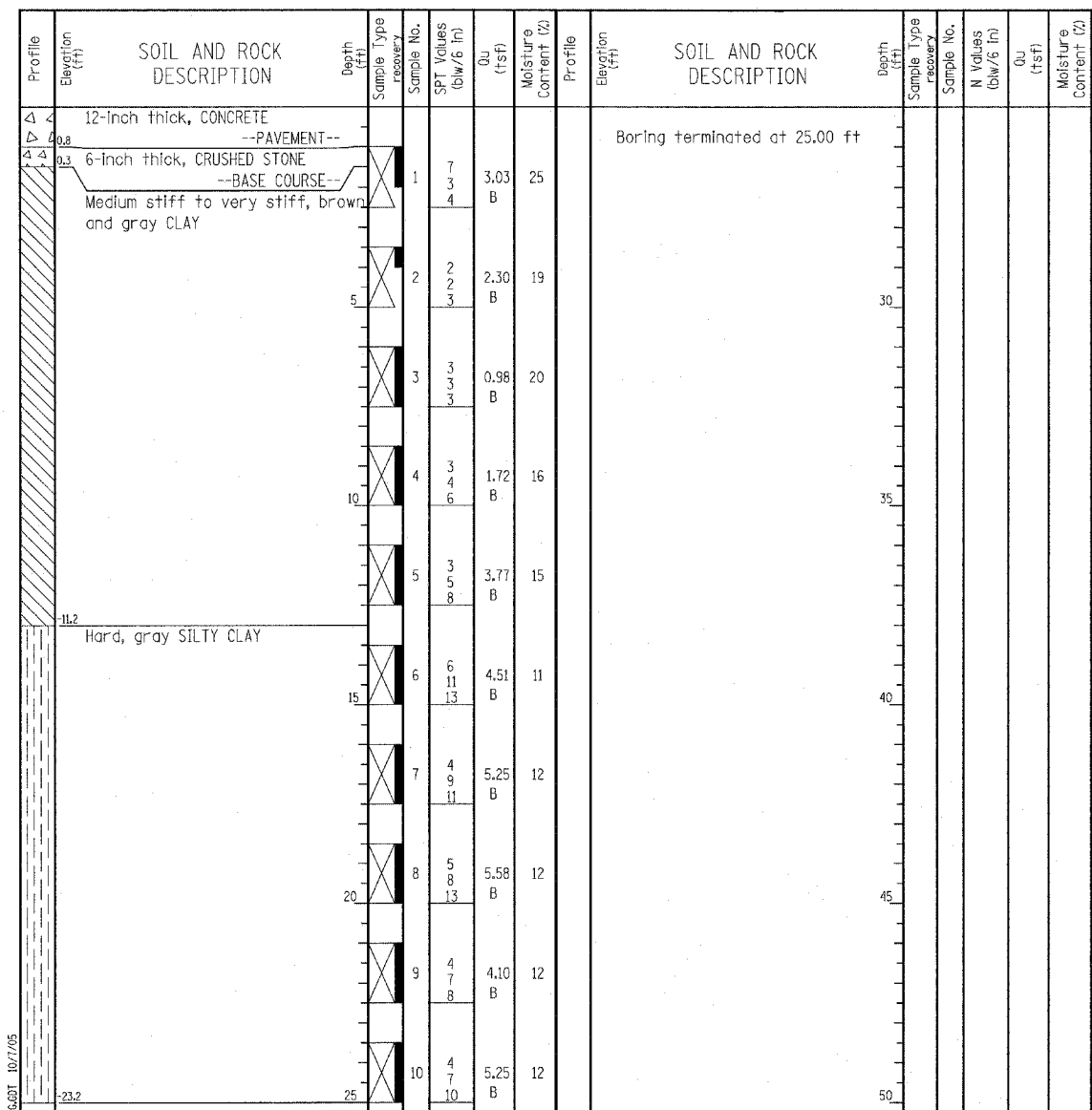
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BORING LOG SB SGN 21B
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: +9.75 ft
 North: 1850076.92 ft
 East: 1177532.29 ft
 Station: 1286+85
 Offset: 12' RT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-12-2005	Complete Drilling	04-12-2005	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	NA

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	04-11-2005	Complete Drilling	04-12-2005	While Drilling	DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	DRY
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	NA

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB SGN 20B & SB SGN 21B

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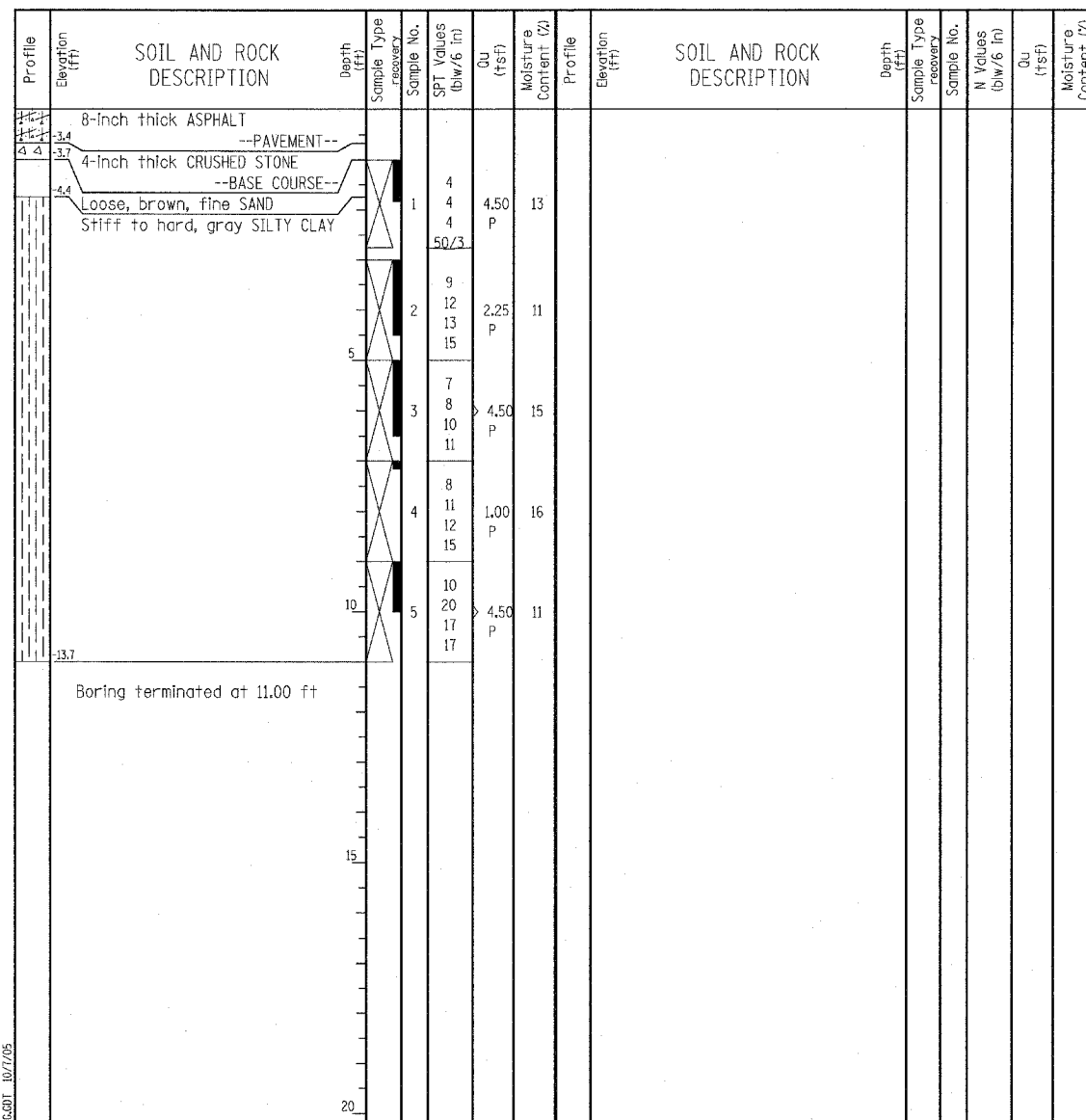
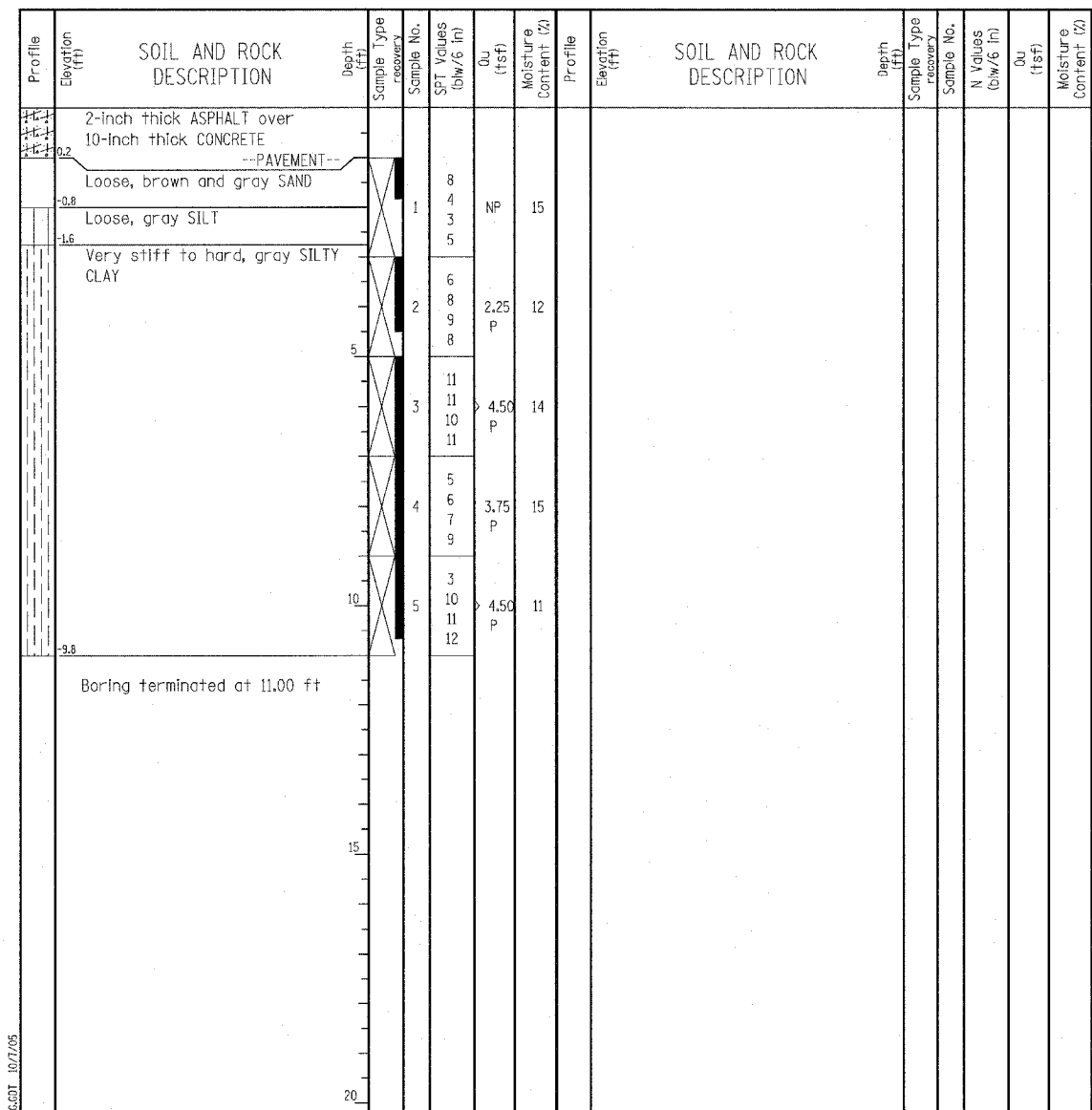
BORING LOG P-081
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.16 ft
 North: 1841480.72 ft
 East: 117752.36 ft
 Station: 1200+96
 Offset: 1' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG P-082
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -2.68 ft
 North: 1842105.71 ft
 East: 117756.40 ft
 Station: 1207+22
 Offset: 1' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-07-2003	Complete Drilling	10-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion.			Depth to Water	∇	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-07-2003	Complete Drilling	10-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion.			Depth to Water	∇	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-081 & P-082

SCALE: N.T.S. DRAWN BY: MPG
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BORING LOG P-083
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.60 ft
 North: 1843035.98 ft
 East: 1177733.84 ft
 Station: 1216+52
 Offset: 4' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG P-084
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.91 ft
 North: 1843821.63 ft
 East: 1177712.47 ft
 Station: 1224+38
 Offset: 5' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
1.60	8-inch thick CONCRETE	0.0						1.60							
4.4	4-inch thick CRUSHED STONE	0.6						4.4							
	Medium dense, brown and gray, coarse SAND	0.2		1	7	4.50	14								
	Hard, gray SILTY CLAY			2	6	4.50	11								
				3	6	4.50	12								
				4	5	4.50	12								
				5	4	4.50	14								
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
1.91	8-inch thick CONCRETE	0.0						1.91							
4.4	4-inch thick CRUSHED STONE	0.2						4.4							
	Medium dense, brown and gray, medium SAND			1	11	NP	4								
	Hard, gray SILTY CLAY			2	5	4.50	12								
				3	8	4.50	12								
				4	6	4.50	12								
				5	5	4.50	12								
					6										
					7										
					8										
					9										
					10										
					11										
					12										
					13										
					14										
					15										
					16										
					17										
					18										
					19										
					20										

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-07-2003	Complete Drilling	10-07-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	☑	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-07-2003	Complete Drilling	10-07-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	☑	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-083 & P-084

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-085 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -6.96 ft
 North: 1844880.81 ft
 East: 1177681.50 ft
 Station: 1234+98
 Offset: 4' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-7.6	8-inch thick CONCRETE --PAVEMENT--														
-8.5	16-inch thick CRUSHED STONE --BASE COURSE--														
-10.0	Medium dense, gray SILTY LOAM --A-4 (2)-- --LL=24%, PL=17%--	7.8	1	8	10	4.50	11								
	Hard, gray SILTY CLAY	8.8	2	8	10	4.50	11								
		10.0	3	9	11	4.50	12								
		11.0	4	9	11	4.50	12								
		12.0	5	10	11	4.50	12								
		13.0													
		14.0													
		15.0													
		16.0													
		17.0													
		18.0													
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-07-2003	Complete Drilling	10-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG P-086 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.76 ft
 North: 1845864.50 ft
 East: 1177651.90 ft
 Station: 1244+82
 Offset: 3' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-2.1	8-inch thick CONCRETE --PAVEMENT--														
-4.4	19-inch thick CRUSHED STONE --BASE COURSE--														
-0.5	Stiff, gray CLAY	7.4	1	4	7	NP	12								
		8.4	2	3	4	1.50	21								
		9.4	3	4	4	P									
		10.4	4	5	5	P									
	Hard, gray SILTY CLAY	11.0	5	8	11	4.00	13								
		12.0													
		13.0													
		14.0													
		15.0													
		16.0													
		17.0													
		18.0													
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2003	Complete Drilling	10-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-085 & P-086

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-087
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -8.85 ft
North: 1846626.87 ft
East: 1177630.49 ft
Station: 1252+45
Offset: 3' RT

Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

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BORING LOG P-088
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -7.86 ft
North: 1847480.48 ft
East: 1177606.13 ft
Station: 1260+99
Offset: 3' RT

Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
9.5	8-inch thick CONCRETE --PAVEMENT--														
10.6	13-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY			1	7 5 6 6	4.50 P	13								
				2	9 7 11 11	4.50 P	13								
				3	9 14 16 13	4.50 P	11								
				4	6 14 12 13	4.50 P	9								
				5	6 11 10 11	4.50 P	12								
-13.9	Boring terminated at 11.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
8.7	10-inch thick CONCRETE --PAVEMENT--														
8.9	2-inch thick CRUSHED STONE --BASE COURSE--														
	Medium dense, gray, medium SAND			1	8 6 7 6	NP	3								
	Hard, gray SILTY CLAY			2	12 7 8 9	4.50 P	13								
				3	10 9 10 11	4.50 P	12								
				4	4 6 8 12	4.50 P	13								
				5	6 10 11 14	4.50 P	12								
-18.9	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2003	Complete Drilling	10-06-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2003	Complete Drilling	10-06-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-087 & P-088

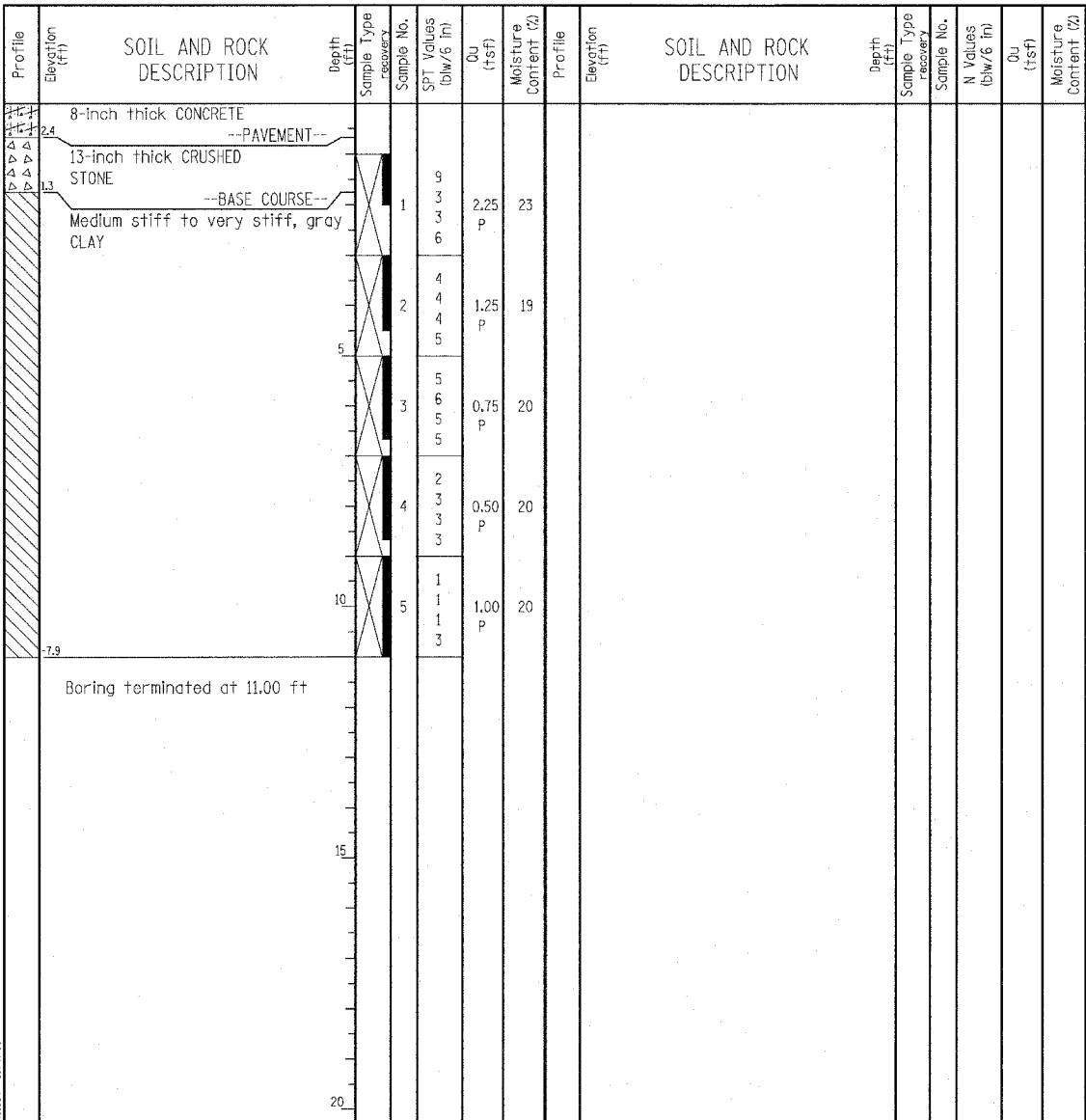
SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-089 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 3.09 ft
 North: 1848389.47 ft
 East: 1177580.08 ft
 Station: 1270+08
 Offset: 3' RT



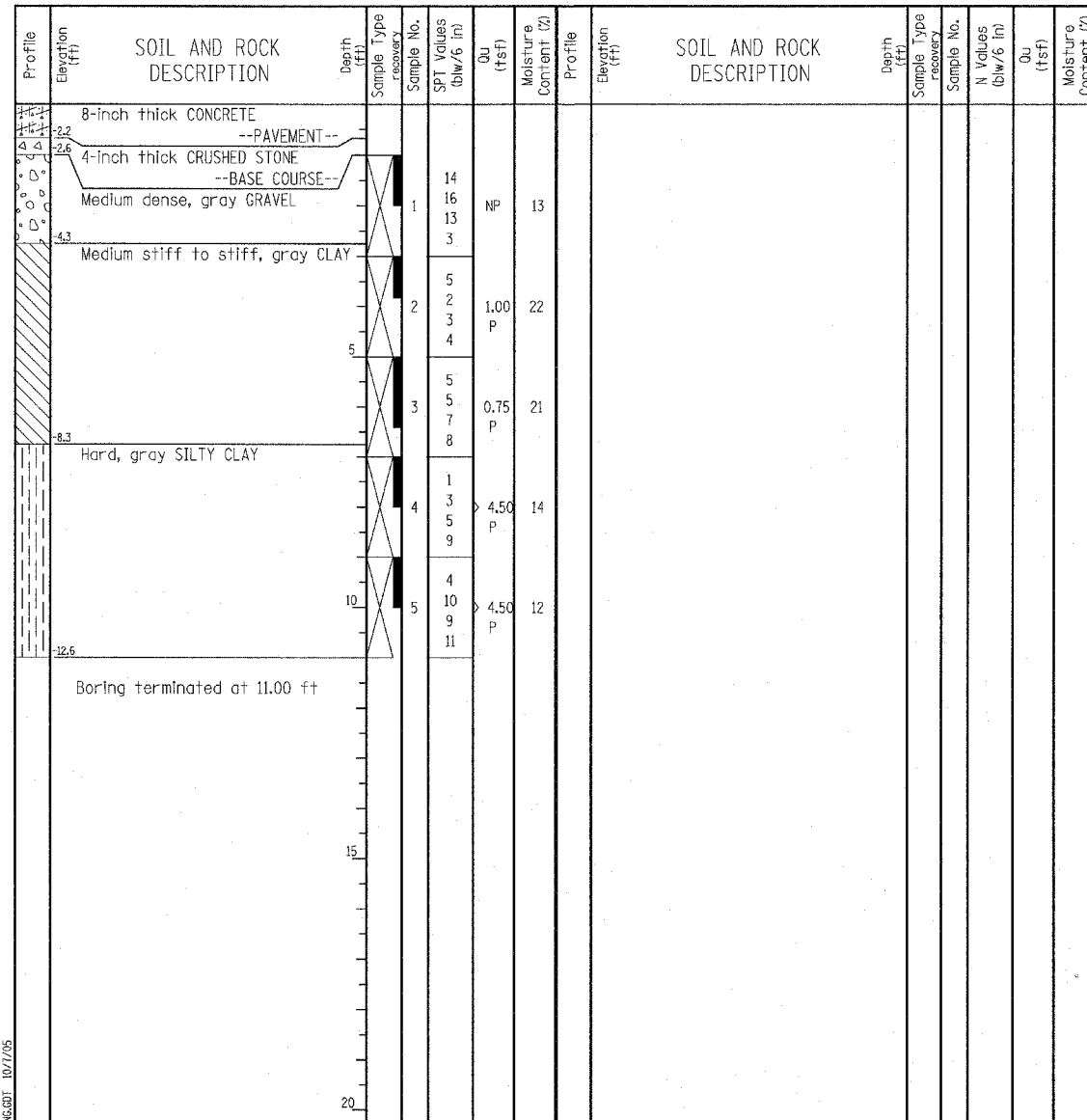
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2003	Complete Drilling	10-06-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG P-090 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -1.55 ft
 North: 1849298.86 ft
 East: 1177553.47 ft
 Station: 1279+18
 Offset: 3' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2003	Complete Drilling	10-06-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-089 & P-090

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BORING LOG P-091
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -10.20 ft
 North: 1850248.38 ft
 East: 1177526.81 ft
 Station: 1288+68
 Offset: 3' RT

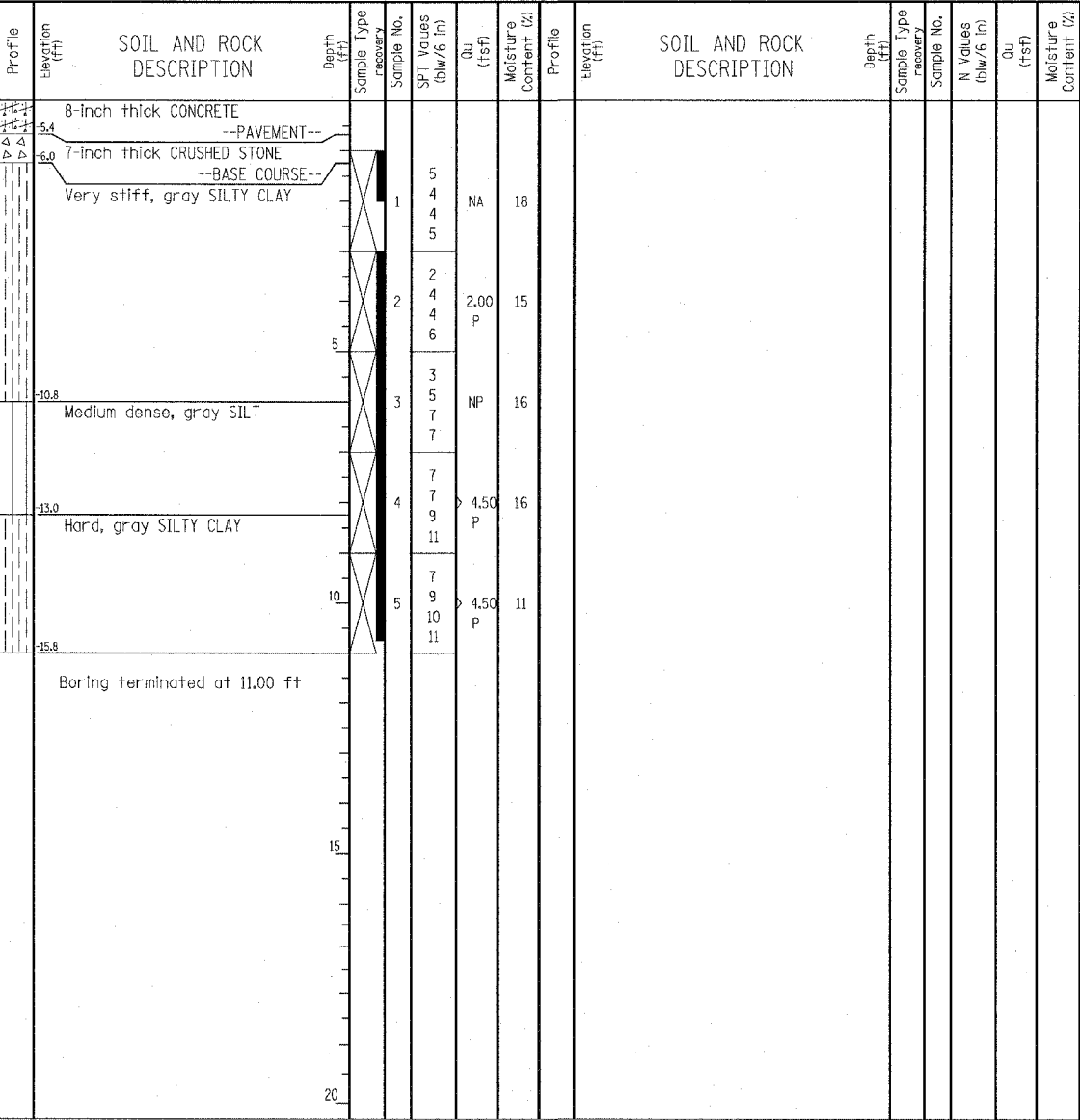
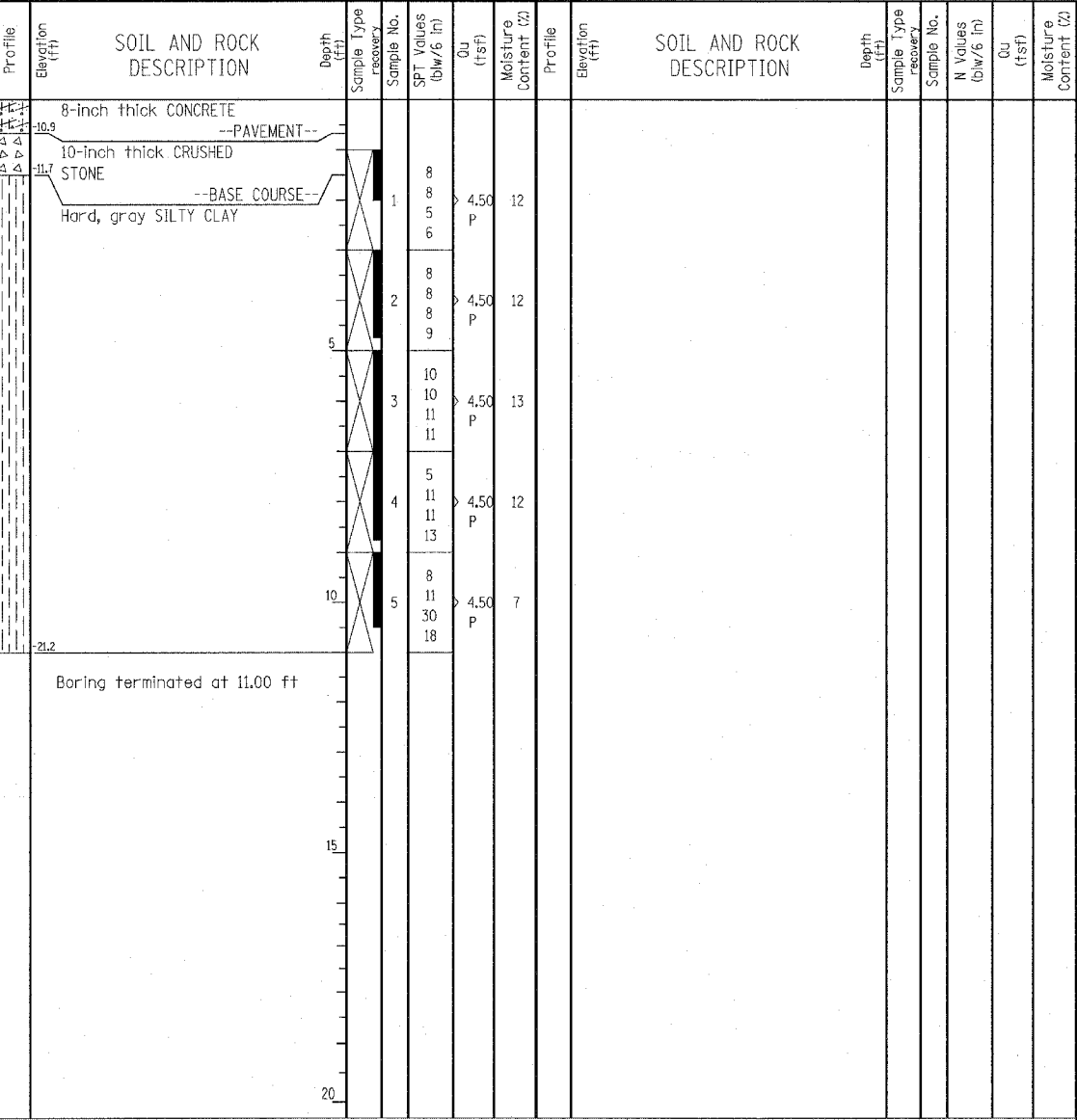
Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG P-092
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -4.75 ft
 North: 1851215.66 ft
 East: 1177498.34 ft
 Station: 1298+35
 Offset: 2' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-05-2003	Complete Drilling	10-05-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	K&B	Logger	B. Fugiel	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-05-2003	Complete Drilling	10-05-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	K&B	Logger	B. Fugiel	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-091 & P-092

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BORING LOG P-093
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CGD
 Elevation: -7.89 ft
 North: 1852032.94 ft
 East: 1177476.12 ft
 Station: 1306+53
 Offset: 3' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-8.6	8-inch thick CONCRETE --PAVEMENT--														
-9.4	10-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY LOAM --A-4 (5)-- --LL=27%, PL=18%--	1		7	4.50	14									
		2		5	4.50	28									
		3		9	4.50	12									
		4		4	4.50	13									
		5		4	4.50	15									
-18.9	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-05-2003	Complete Drilling	10-05-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&B	Logger	B. Fugiel	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-093

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-121
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -7.15 ft
 North: 1851877.12 ft
 East: 1177424.96 ft
 Station: 1304+98.66
 Offset: 52.12' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	6-inch thick, loose, weathered ASPHALT	1	5										
7.7	--PAVEMENT--	4	4										
8.2	Hard, brown CLAY	7	7		4.50	13							
	--FILL--	14	14										
	Dense, brown and gray, medium and coarse SAND	8	8										
	--FILL--	14	14										
		16	16										
		9	9										
	--OBSTRUCTION--	8	8										
		9	9										
12.2	Boring terminated at 5.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-20-2003	Complete Drilling	06-20-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	S. Janowski	Time After Drilling	NA		
Checked by	MLS	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG P-124
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -5.73 ft
 North: 1850880.79 ft
 East: 1177443.66 ft
 Station: 1295+02.21
 Offset: 61.94' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01.
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
5.8	1-inch thick, brown SAND	1	5										
5.5	--FILL--	5	5										
	Hard, brown CLAY	5	5		4.50	14							
	--FILL--	6	6										
	Stiff to hard, brown and gray SILTY CLAY	7	7										
	--A-6 (8)--	4	4										
	--LL=30%, PL=18%--	3	3		1.50	18							
		3	3										
		3	3										
		5	5										
		7	7										
		3	3		1.50	17							
		5	5										
		7	7										
		4	4		4.50	12							
		9	9										
		10	10										
		5	5		4.50	12							
		14	14										
		11	11										
		11	11										
15.7	Boring terminated at 10.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-20-2003	Complete Drilling	06-20-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	S. Janowski	Time After Drilling	NA		
Checked by	MLS	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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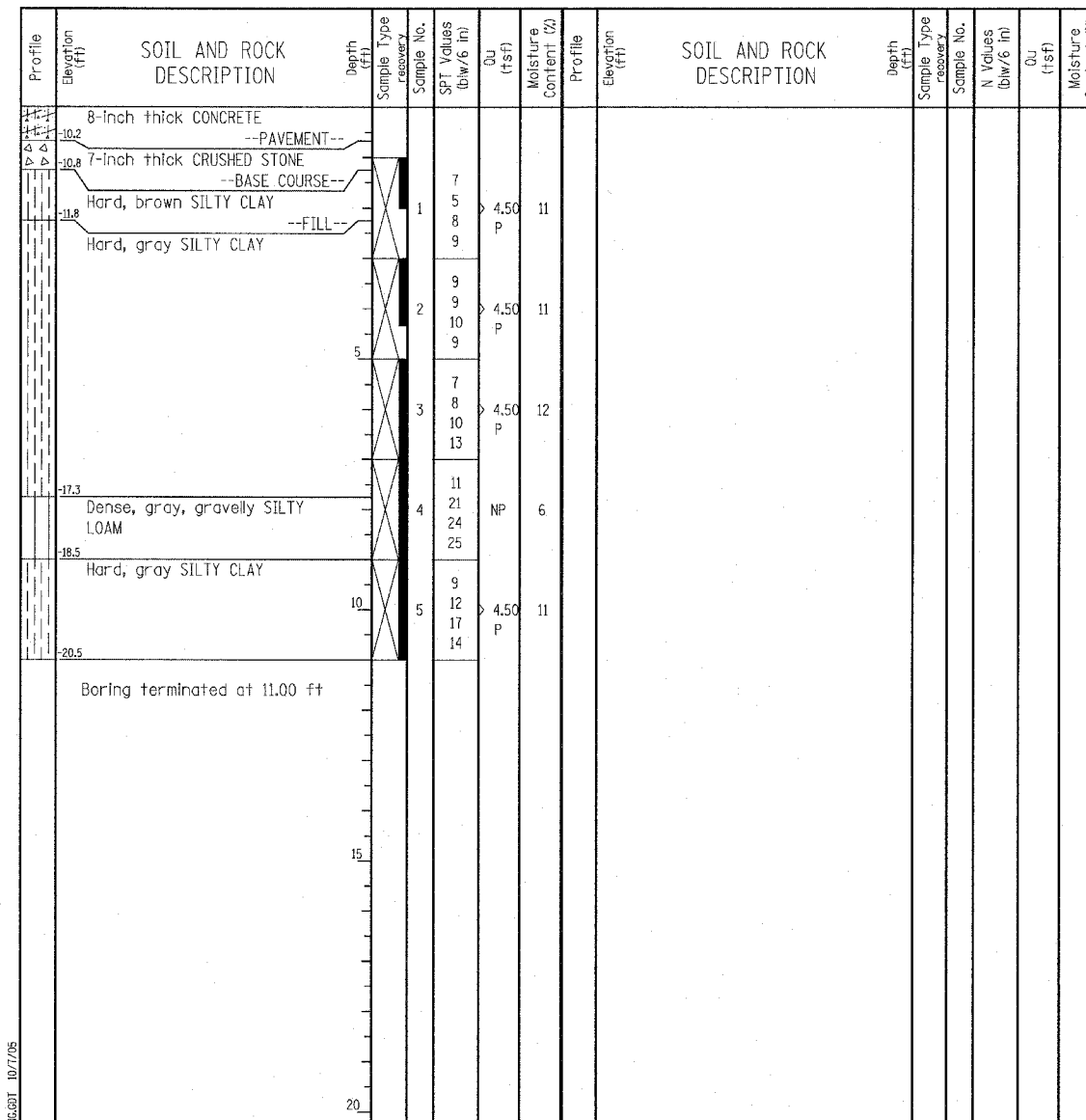
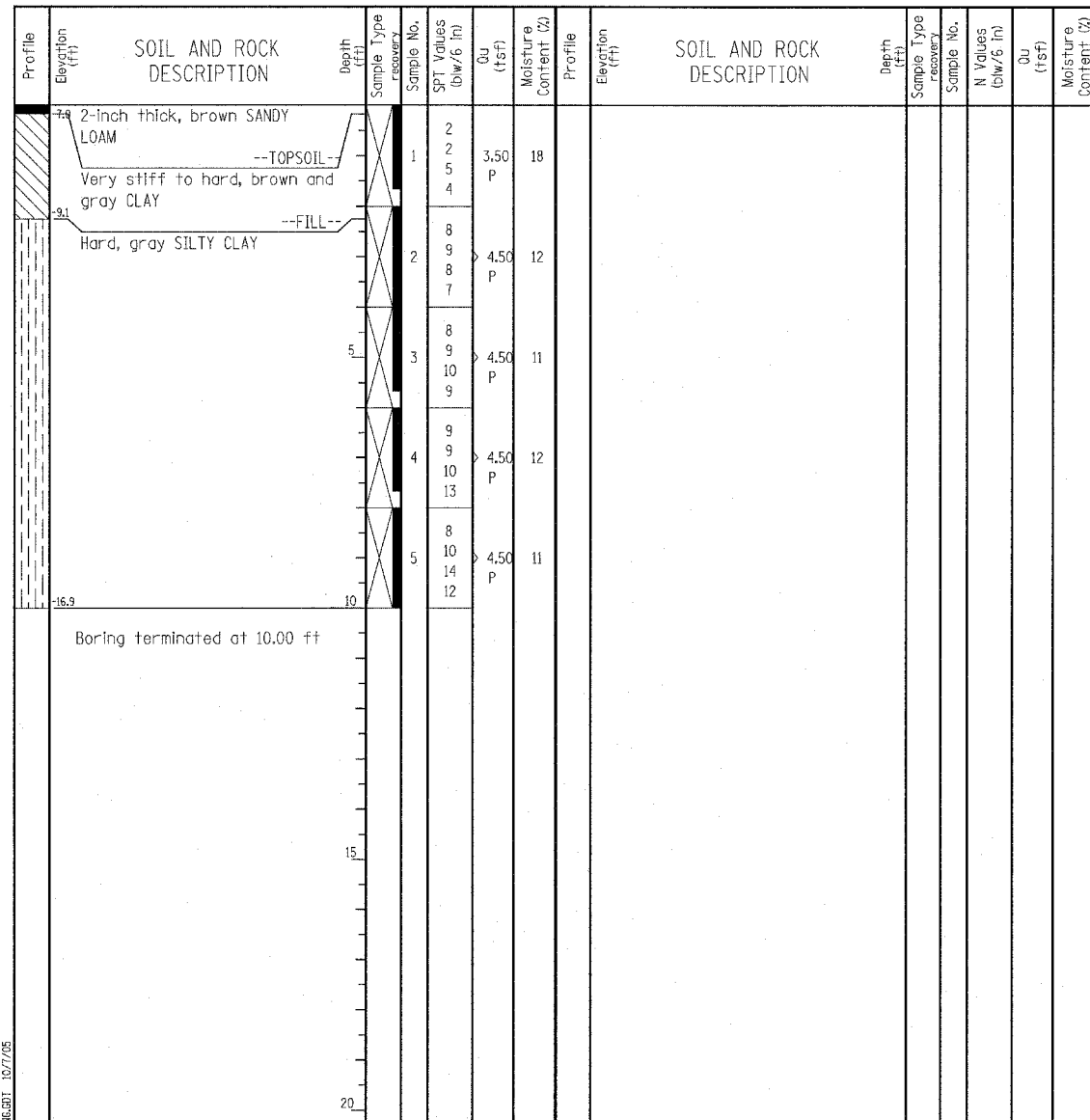
BORING LOG P-125
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCG
 Elevation: -6.85 ft
 North: 1850638.69 ft
 East: 1177445.55 ft
 Station: 1292+60.15
 Offset: 66.98' LT

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BORING LOG P-126
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCG
 Elevation: -9.50 ft
 North: 1850386.87 ft
 East: 1177452.51 ft
 Station: 1290+08.23
 Offset: 67.23' LT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-20-2003	Complete Drilling	06-20-2003	White Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	S. Janowski	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-20-2003	Complete Drilling	06-20-2003	White Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	S. Janowski	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-125 & P-126

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

TYLIN INTERNATIONAL

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BORING LOG P-129 Page 1 of 1
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -4.35 ft
 North: 1849502.74 ft
 East: 1177486.74 ft
 Station: 1281+23.49
 Offset: 58.33' LT

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BORING LOG P-130 Page 1 of 1
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -0.40 ft
 North: 1849241.19 ft
 East: 1177496.40 ft
 Station: 1278+61.77
 Offset: 56.16' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-5.0	8-inch thick CONCRETE --PAVEMENT--												
-5.4	4-inch thick CRUSHED STONE --BASE COURSE--												
	Hard, gray SILTY CLAY	1	7	4.50	16								
		2	10	4.50	11								
		3	10	4.50	11								
		4	6	4.50	11								
		5	11	4.50	10								
-15.4	Boring terminated at 11.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-1.1	8-inch thick ASPHALT --PAVEMENT--												
-1.4	4-inch thick CRUSHED STONE --BASE COURSE--												
	Very soft to hard, gray CLAY	1	9	4.50	13								
		2	5	0.25	22								
		3	3										
		4	1	0.50	22								
		5	1	1.00	19								
-9.4	Hard, gray SILTY CLAY	4	1										
		5	5	4.50	12								
-11.4	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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BORING LOG P-131
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 1.98 ft
 North: 1849016.52 ft
 East: 1177495.80 ft
 Station: 1276+37.21
 Offset: 63.18' LT

Page 1 of 1

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BORING LOG P-132
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 4.39 ft
 North: 1848677.15 ft
 East: 1177508.10 ft
 Station: 1272+97.63
 Offset: 60.61' LT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	8-inch thick CONCRETE --PAVEMENT--												
10.3	4-inch thick CRUSHED STONE --BASE COURSE--												
10.0	Medium stiff to hard, gray CLAY	1	1	4	4.50	16							
		2	2	3									
		3	3	3									
		5	1	1	0.75	22							
			2	3									
			3	2									
			1	1	0.75	22							
			2	1									
			4	1	1.00	21							
			2	2									
			3	3									
-7.3	Hard, gray SILTY CLAY	2	5	4.50	15								
		5	5	6									
			5	5									
-9.0	Boring terminated at 11.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
11.1	5-inch thick ASPHALT --PAVEMENT--												
10.3	7-inch thick CRUSHED STONE --BASE COURSE--												
10.0	Medium stiff to hard, gray CLAY	1	5	6	4.50	14							
		2	4	5									
			5	2	1.00	22							
			2	1									
			3	1	0.75	23							
			1	1									
			2	2	0.75	22							
			2	2									
			1	2	1.00	19							
			2	3									
			3	3									
-6.6	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND


NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-131 & P-132

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM



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BORING LOG P-133
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.22 ft
 North: 1848389.70 ft
 East: 1177518.57 ft
 Station: 1270+09.99
 Offset: 58.36' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.26	8-Inch thick CONCRETE --PAVEMENT--														
4.22	4-Inch thick CRUSHED STONE --BASE COURSE--														
	Very stiff, gray CLAY	1		1	8	3.50	25								
		2		2											
		4		4											
0.0	Medium stiff to stiff, gray SILTY CLAY LOAM --A-4 (4)-- --LL=27%, PL=19%--	2		1	3	2.00	22								
		3		3											
		4		4											
		5		5											
		2		2		1.00	18								
		2		2											
		3		3											
		4		4		0.75	22								
		1		1											
		1		1											
		2		2											
		3		3											
		10		1		1.00	19								
		1		1											
		2		2											
		3		3											
-7.8	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method: 3.25" ID. HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			


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BORING LOG P-134
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 0.07 ft
 North: 1848104.60 ft
 East: 1177526.92 ft
 Station: 1267+24.77
 Offset: 58.18' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.26	8-Inch thick CONCRETE --PAVEMENT--														
4.22	4-Inch thick CRUSHED STONE --BASE COURSE--														
	Loose to very dense, gray, coarse SAND --FILL--	1		1	15	NP	7								
		37													
		36													
		24													
		1		1		NP	16								
		2		2											
		8													
		8													
		2													
-4.9	Boring terminated at 5.00 ft --OBSTRUCTION--														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	∇	NA			
Drilling Method: 3.25" ID. HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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BORING LOG P-135
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -3.92 ft
 North: 1847807.44 ft
 East: 1177536.30 ft
 Station: 1264+27.46
 Offset: 57.31' LT

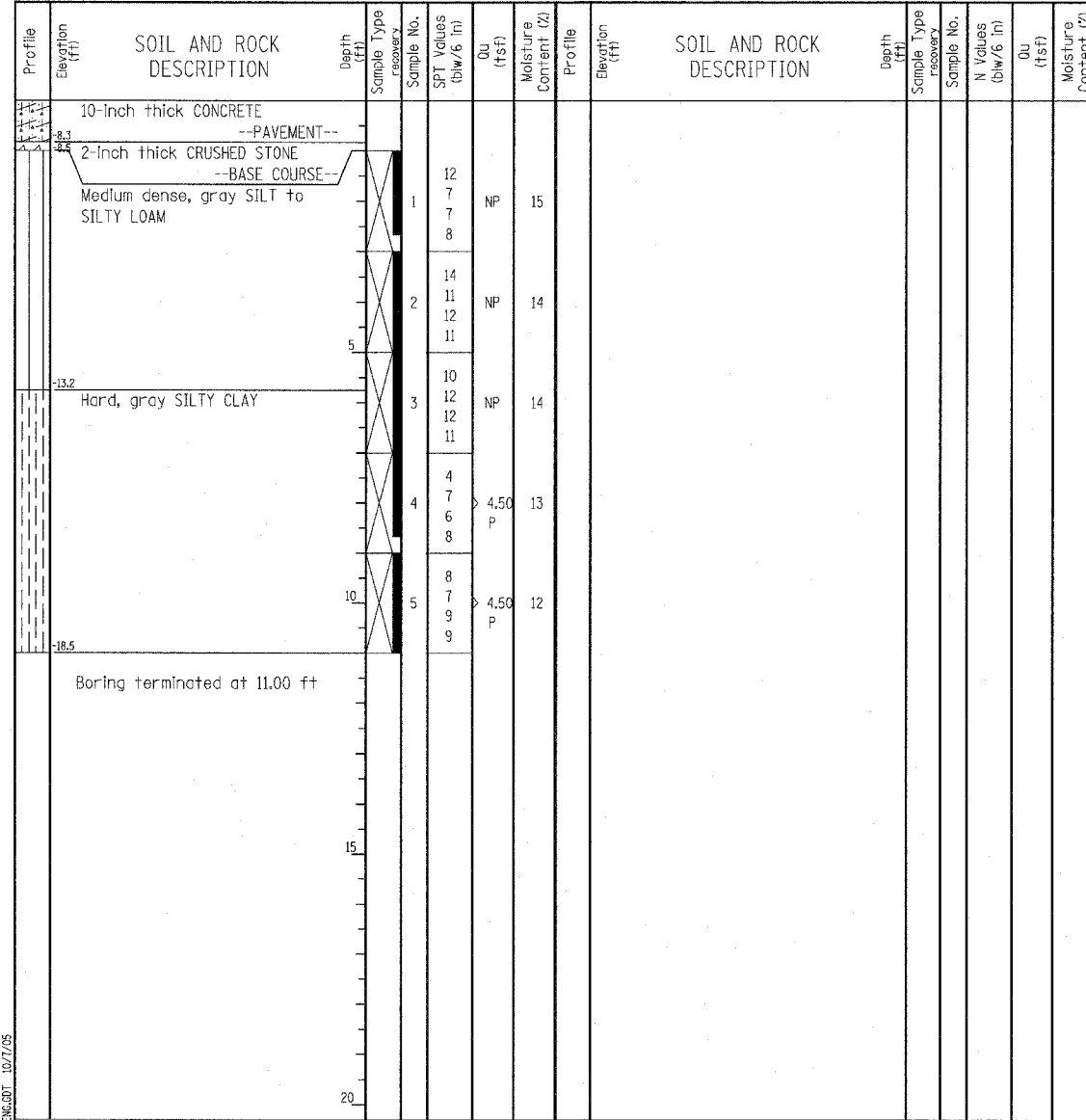
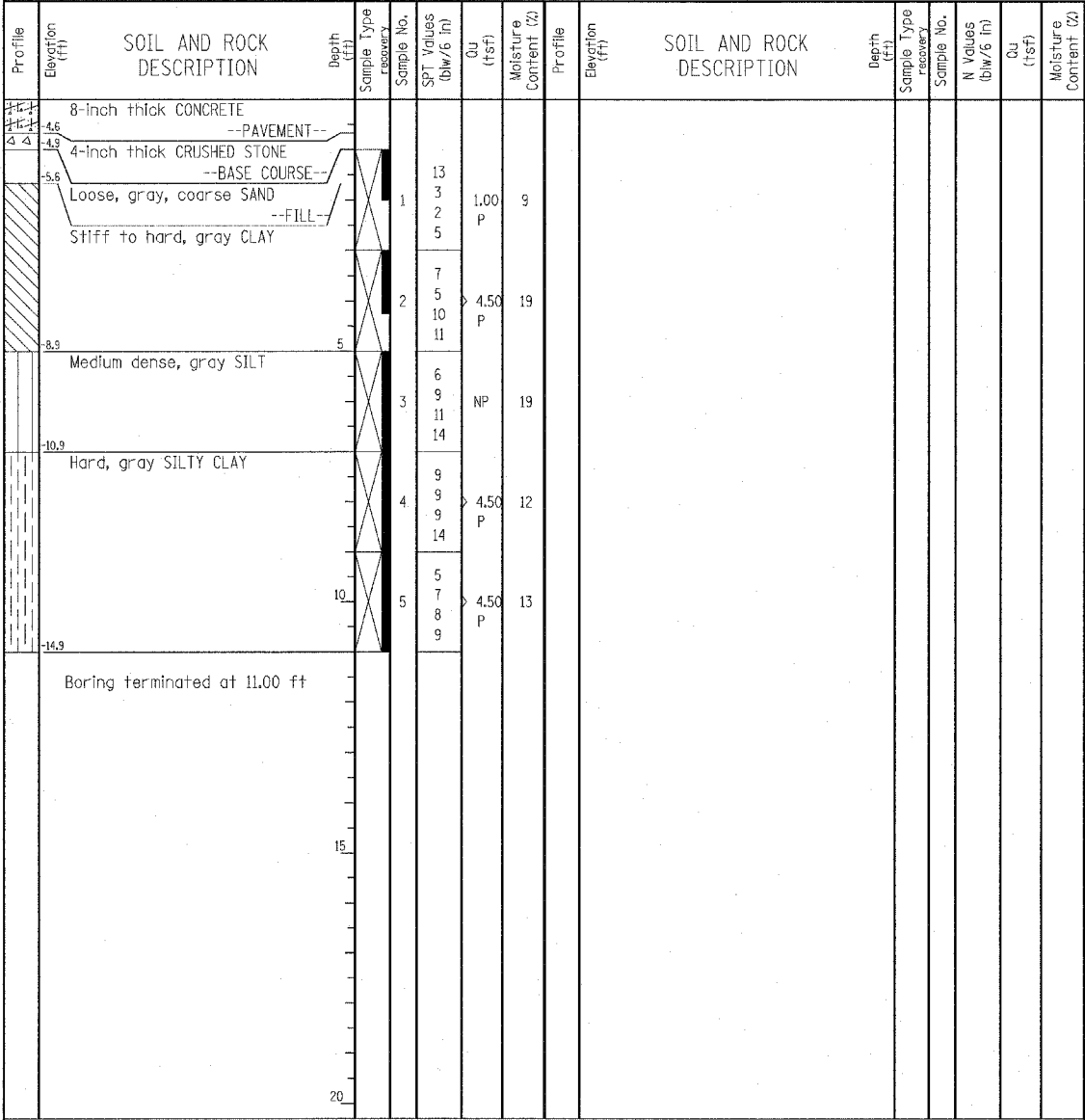
Page 1 of 1

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BORING LOG P-136
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -7.48 ft
 North: 1847507.98 ft
 East: 1177546.58 ft
 Station: 1261+27.83
 Offset: 55.60' LT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	▽	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	▽	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-135 & P-136

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-137
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -11.06 ft
 North: 1847194.99 ft
 East: 1177552.49 ft
 Station: 1258+14.80
 Offset: 58.65' LT

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BORING LOG P-138
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -10.32 ft
 North: 1846914.47 ft
 East: 1177560.99 ft
 Station: 1255+34.15
 Offset: 58.19' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
11.7	8-inch thick CONCRETE --PAVEMENT--	4													
12.1	4-inch thick CRUSHED STONE --BASE COURSE--	4													
	Hard, gray SILTY CLAY	1		1	14	> 4.50	12								
		5		4	6										
		4		5	4										
		2		11	4	> 4.50	14								
		4		4	4										
		5		5	5										
		3		6	7	> 4.50	12								
		7		7	10										
		4		9	9	> 4.50	12								
		9		9	10										
		10		7	7	> 4.50	12								
		11		11	15										
		15		15											
		20													
		22.1													
	Boring terminated at 11.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
11.7	8-inch thick CONCRETE --PAVEMENT--	4													
12.1	4-inch thick CRUSHED STONE --BASE COURSE--	4													
	Medium dense, gray, coarse SAND	1		1	8	NP	5								
		7		7	7										
		40		40											
		1		1	6										
		11		11	11										
		8		8											
		5		5											
		2		2	6										
		6		6	6	> 4.50	13								
		8		8	8										
		3		3	6										
		7		7	6										
		10		10	11										
		11		11	10										
		11		11	10	3.00	12								
		10		10	10										
		10		10	10	> 4.50	12								
		10		10	10										
		21.3													
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	☒	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☒	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	☒	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-24-2003	Complete Drilling	06-24-2003	While Drilling	☒	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☒	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	☒	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
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BORING LOG P-139 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.90 ft
 North: 1846628.83 ft
 East: 1177569.36 ft
 Station: 1252+48.39
 Offset: 57.99' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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BORING LOG P-140 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -4.48 ft
 North: 1846326.28 ft
 East: 1177577.66 ft
 Station: 1249+45.73
 Offset: 58.37' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	8-Inch thick CONCRETE --PAVEMENT--	4.4													
9.6	4-Inch thick CRUSHED STONE --BASE COURSE--	4.4 - 9.6													
12.7	Very dense, brown and gray, coarse SAND --FILL--	9.6 - 12.7	1	13	NP	5									
12.7	Very stiff to hard, gray SILTY CLAY	12.7	2	22	3.50	14									
		10	4	10											
		5	5	4											
		6	6	4											
		7	7	5											
	Boring terminated at 11.00 ft	10	3	6	4.50	12									
		8	4	8											
		11	5	8											
		10	5	8	4.50	12									
		10	5	10											
		12	5	12											

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	8-Inch thick CONCRETE --PAVEMENT--	4.4													
5.2	4-Inch thick CRUSHED STONE --BASE COURSE--	4.4 - 5.2													
5.2	Loose, gray SILT	5.2 - 6.6	1	3	NP	12									
8.2	Hard, gray SILTY CLAY	6.6	2	6	4.50	12									
		6	6	9											
		9	9	9											
		7	7	8											
		7	7	9											
	Boring terminated at 11.00 ft	10	3	7	4.50	12									
		8	4	7											
		11	5	8											
		10	5	7	4.50	13									
		10	5	7											
		9	5	8											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-25-2003	Complete Drilling	06-25-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	∇	NA	
Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-25-2003	Complete Drilling	06-25-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	∇	NA	
Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-139 & P-140

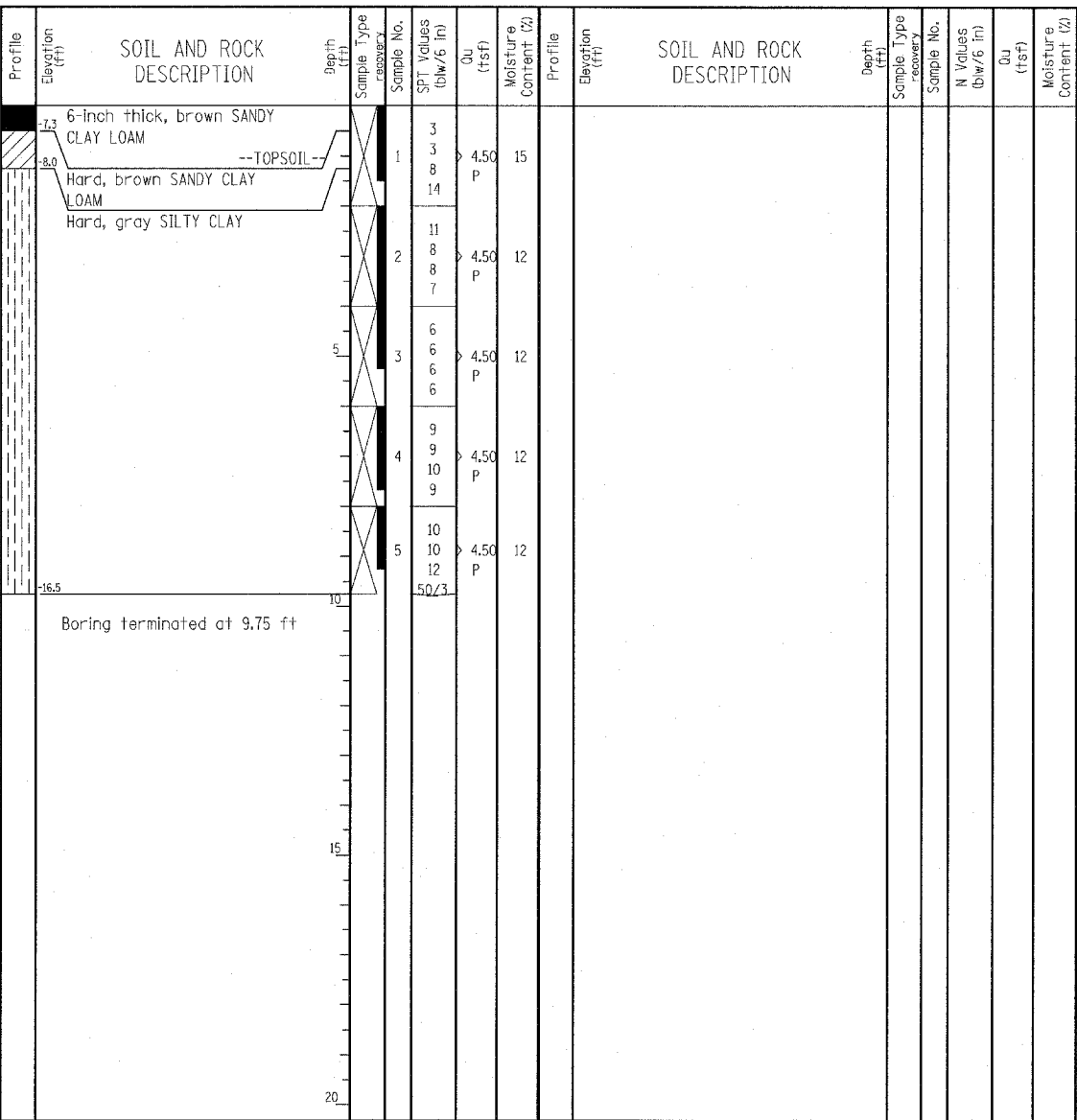
SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-143 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -6.76 ft
 North: 1844925.81 ft
 East: 1177616.54 ft
 Station: 1235+44.72
 Offset: 59.58' LT



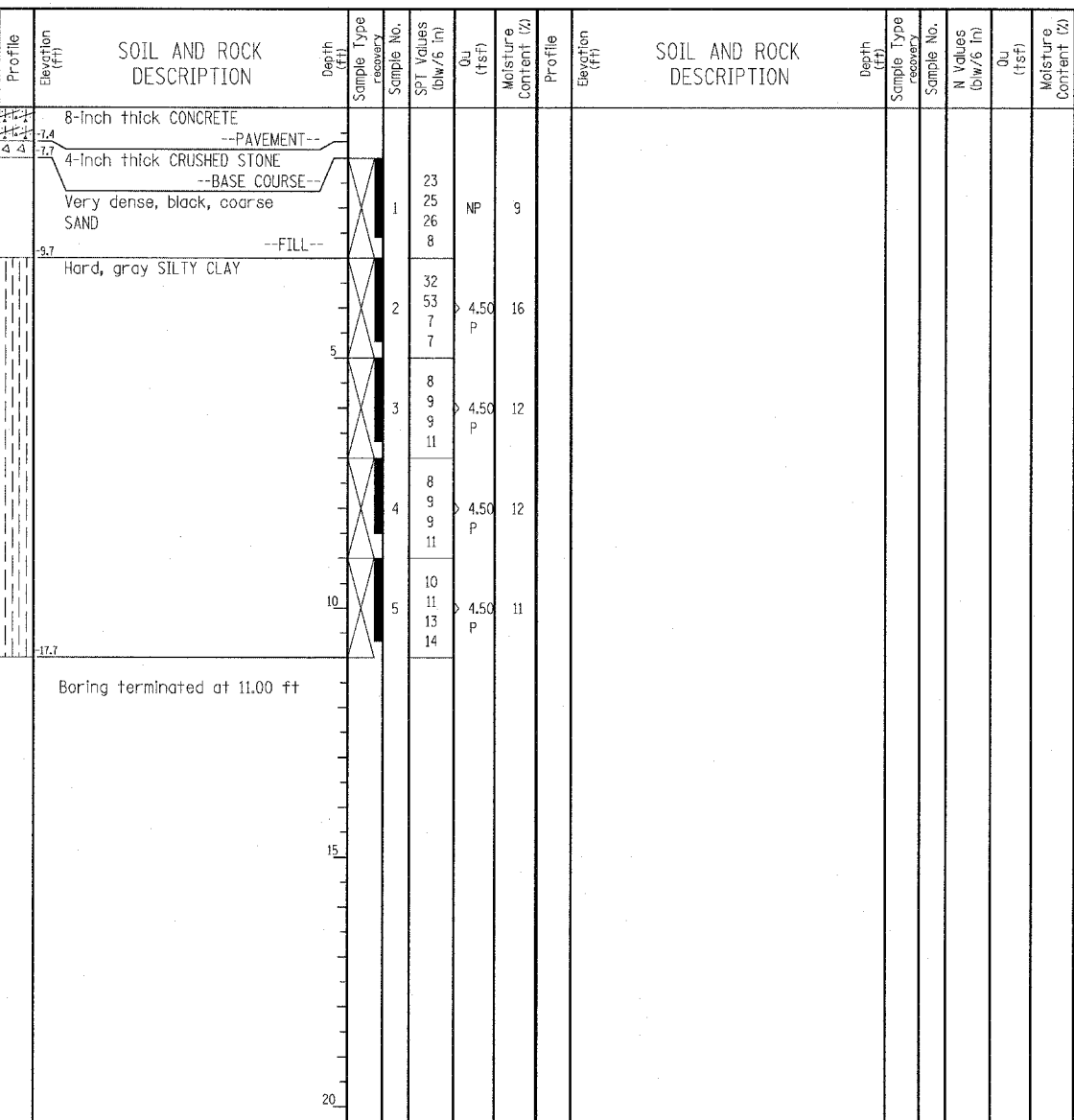
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-25-2003	Complete Drilling	06-25-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	▽	NA	
Drilling Method 3.25" ID. HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG P-144 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -6.73 ft
 North: 1844710.34 ft
 East: 1177623.99 ft
 Station: 1233+29.13
 Offset: 58.30' LT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-25-2003	Complete Drilling	06-25-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS			Depth to Water	▽	NA	
Drilling Method 3.25" ID. HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-143 & P-144

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-145
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -3.63 ft
 North: 1844405.13 ft
 East: 1177632.08 ft
 Station: 1230+23.80
 Offset: 58.95' LT

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BORING LOG P-146
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: -0.65 ft
 North: 1844094.16 ft
 East: 1177642.37 ft
 Station: 1227+12.67
 Offset: 57.57' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.3	8-inch thick CONCRETE												
4.3	--PAVEMENT--												
4.6	4-inch thick CRUSHED STONE												
4.6	--BASE COURSE--												
	Loose to medium dense, brown GRAVELLY SAND		1	14	NP	6							
	--A-3 (0)--		7	9									
			9	9									
			2	9	NP	8							
			4	4									
			4	4									
			5	4									
			3	8	NP	14							
			4	4									
			5	4									
			8	4									
			4	4									
			5	5									
-10.9	Hard, gray SILTY CLAY		4	8		11							
			8	8									
			9	9									
			12	12									
			4	4.50	P								
			10	14									
			5	13		11							
			10	14									
			13	13									
-14.6	Boring terminated at 11.00 ft												

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.3	8-inch thick CONCRETE												
4.3	--PAVEMENT--												
4.6	4-inch thick CRUSHED STONE												
4.6	--BASE COURSE--												
	Hard, gray CLAY		1	5		15							
			4	4									
			4	4									
			6	6									
-3.9	Medium dense, gray SILT		2	10	NP	18							
			7	7									
			8	8									
			5	6									
			6	6									
-6.2	Medium dense, gray SANDY LOAM		3	6	NP	11							
			5	5									
			6	6									
-7.9	Hard, gray SILTY CLAY		4	8		12							
			8	8									
			10	10									
			12	12									
			4	4.50	P								
			10	12									
			5	12		12							
			10	14									
			17	17									
-11.7	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-25-2003	Complete Drilling	06-25-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

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BORING LOG P-147 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

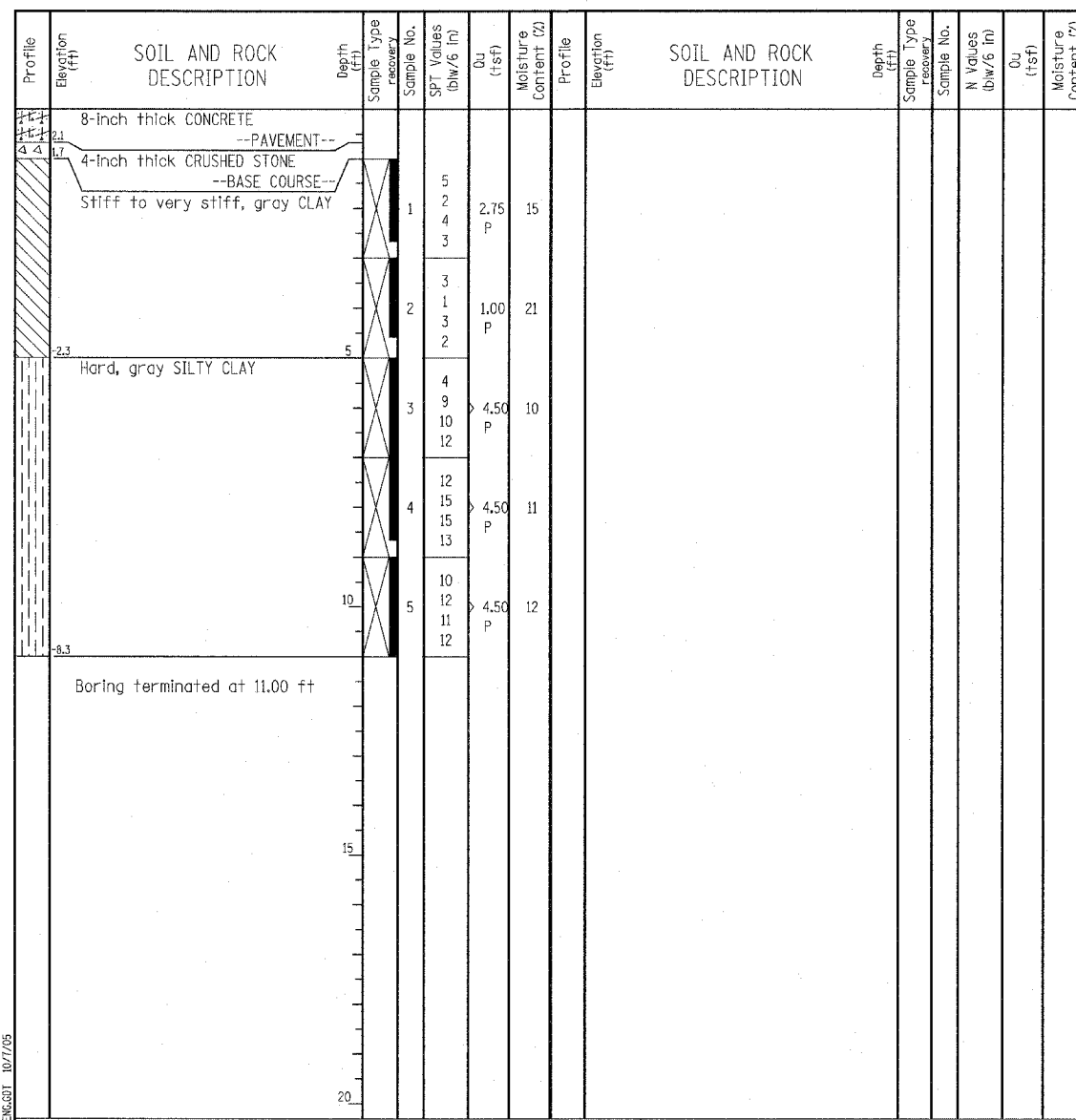
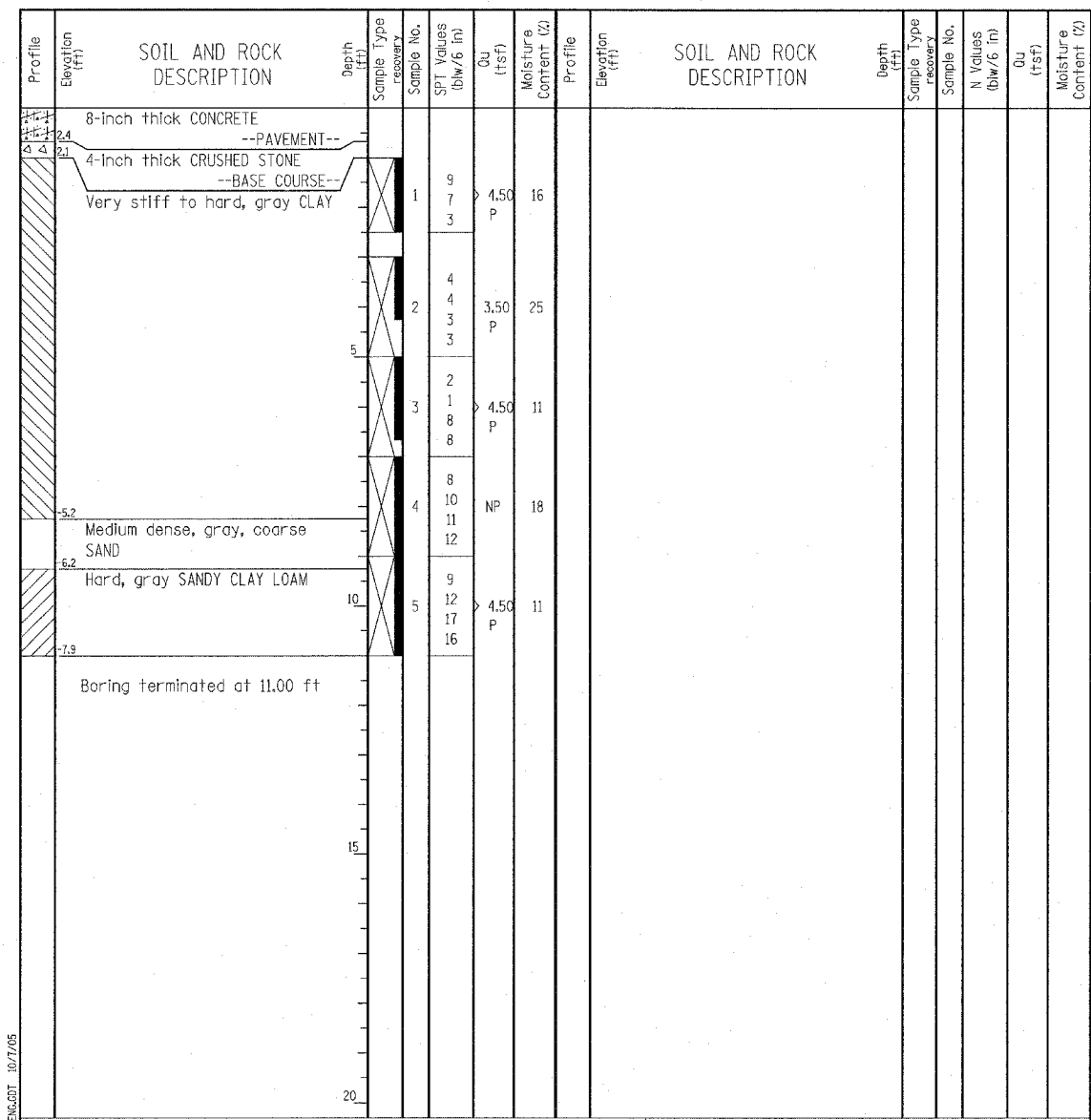
Datum: CCD
 Elevation: 3.06 ft
 North: 1843600.70 ft
 East: 1177655.18 ft
 Station: 1222+19.05
 Offset: 58.89' LT

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BORING LOG P-148 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 2.72 ft
 North: 1843314.44 ft
 East: 1177664.42 ft
 Station: 1219+32.64
 Offset: 57.84' LT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-147 & P-148

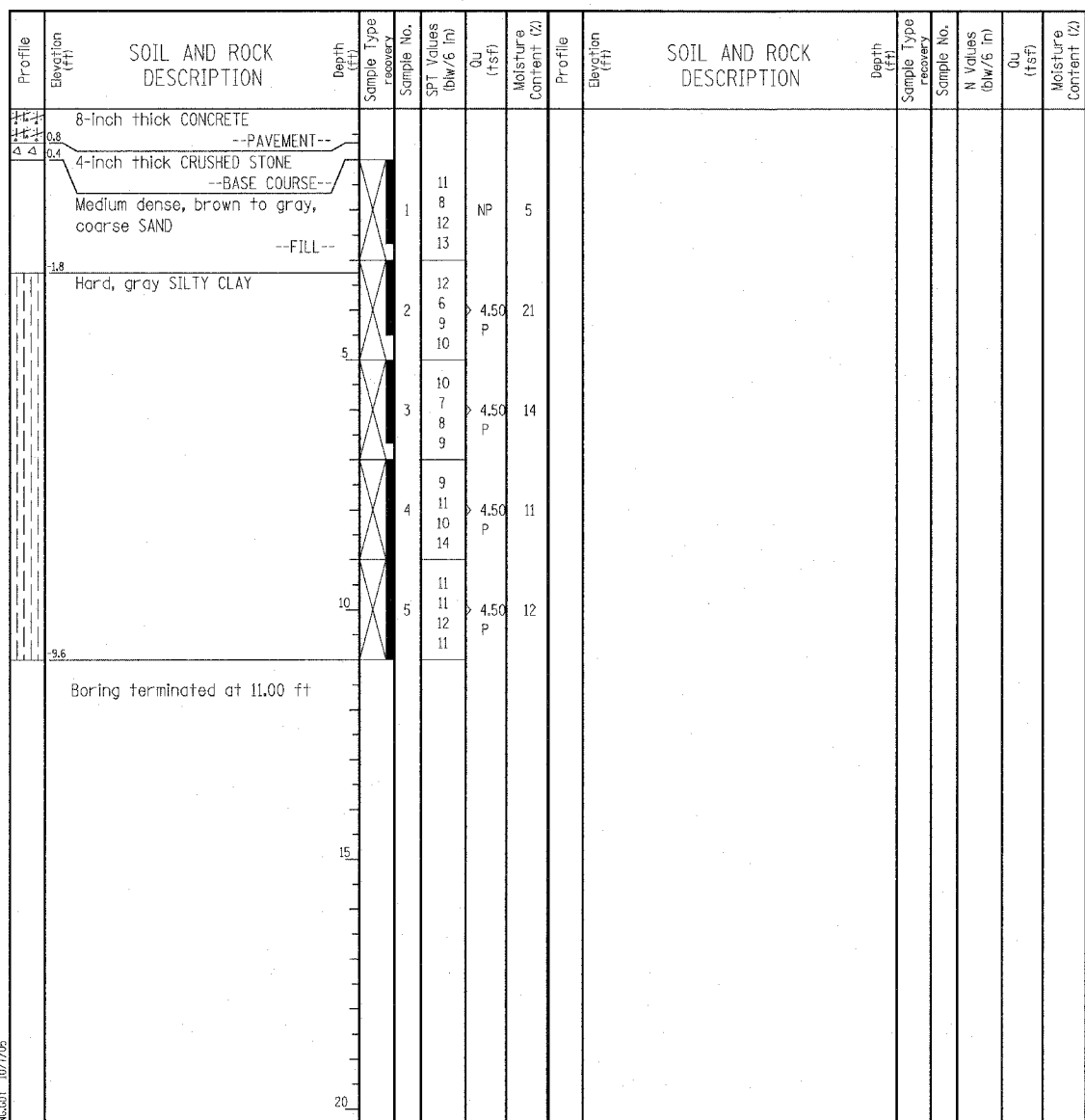
SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-149
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 1.43 ft
 North: 1843015.43 ft
 East: 1177672.82 ft
 Station: 1216+33.51
 Offset: 58.01' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



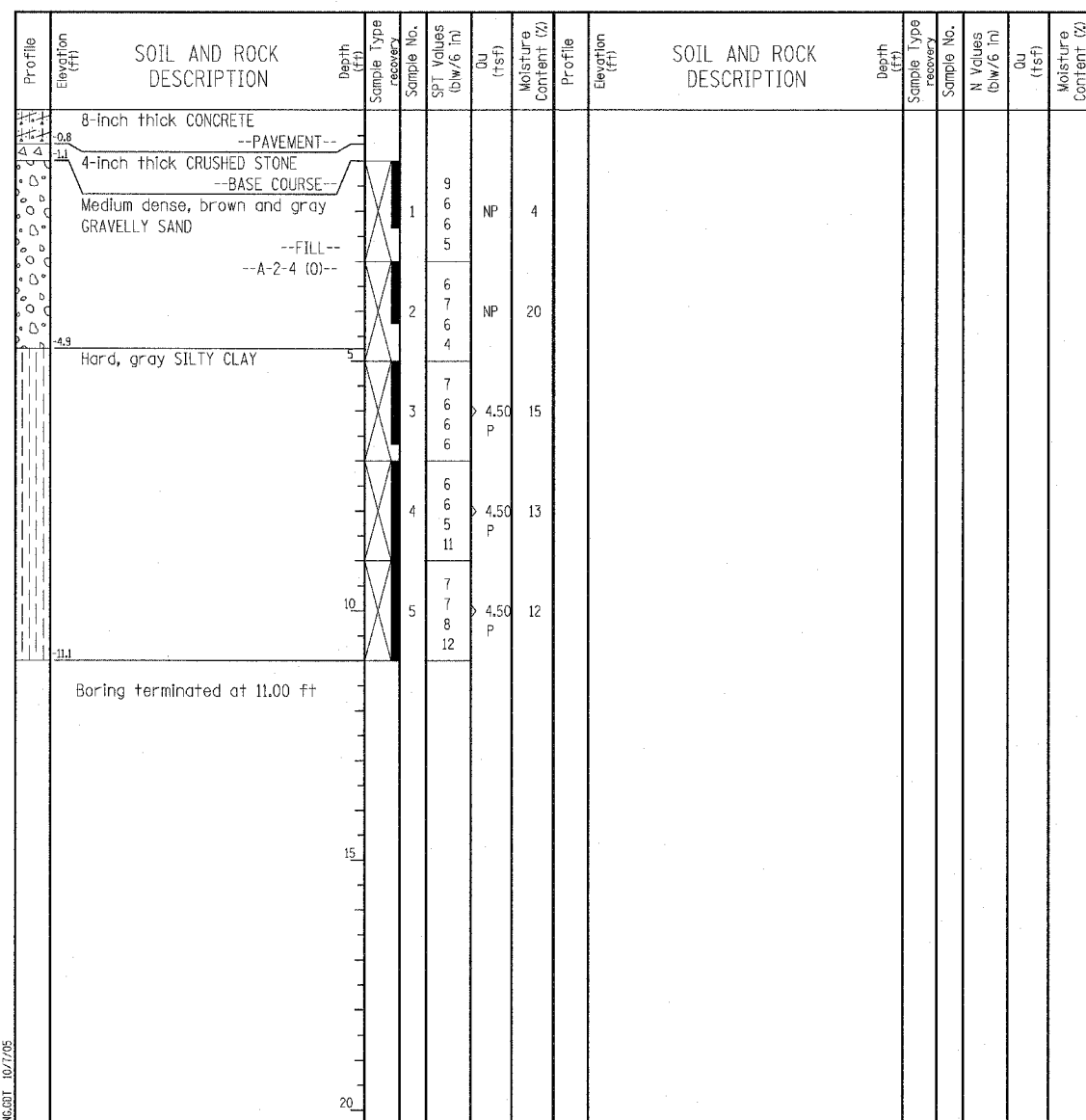
GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	☑ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑ DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA	
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion				Depth to Water	☑ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

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BORING LOG P-150
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.10 ft
 North: 1842714.89 ft
 East: 1177681.46 ft
 Station: 1213+32.85
 Offset: 57.98' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	☑ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑ DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA	
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion				Depth to Water	☑ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-149 & P-150

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM

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BORING LOG P-151 Page 1 of 1

WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: -1.49 ft
North: 1842420.55 ft
East: 1177690.77 ft
Station: 1210+38.36
Offset: 57.09' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
2.2	8-inch thick CONCRETE														
2.5	4-inch thick CRUSHED STONE														
4	Hard, gray SILTY CLAY with sand interbeds	1		3		4.50	19								
		2		13		4.50	10								
		3		13		4.50	11								
		4		7		4.50	11								
		5		10		4.50	8								
12.5	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-26-2003	Complete Drilling	06-26-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG P-152 Page 1 of 1

WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: -2.99 ft
North: 1842150.00 ft
East: 1177698.14 ft
Station: 1207+67.71
Offset: 57.47' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
3.7	8-inch thick CONCRETE														
4	4-inch thick CRUSHED STONE														
4.4	Very stiff, gray CLAY	1		3	20	2.50	19								
		2		6	35	2.25	18								
6.5	Gray GRAVELLY SAND														
7.0	Hard, gray SILTY CLAY	3		3		4.50	13								
		4		5		4.50	18								
		5		4		4.50	12								
14.0	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-27-2003	Complete Drilling	06-27-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-151 & P-152

SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM

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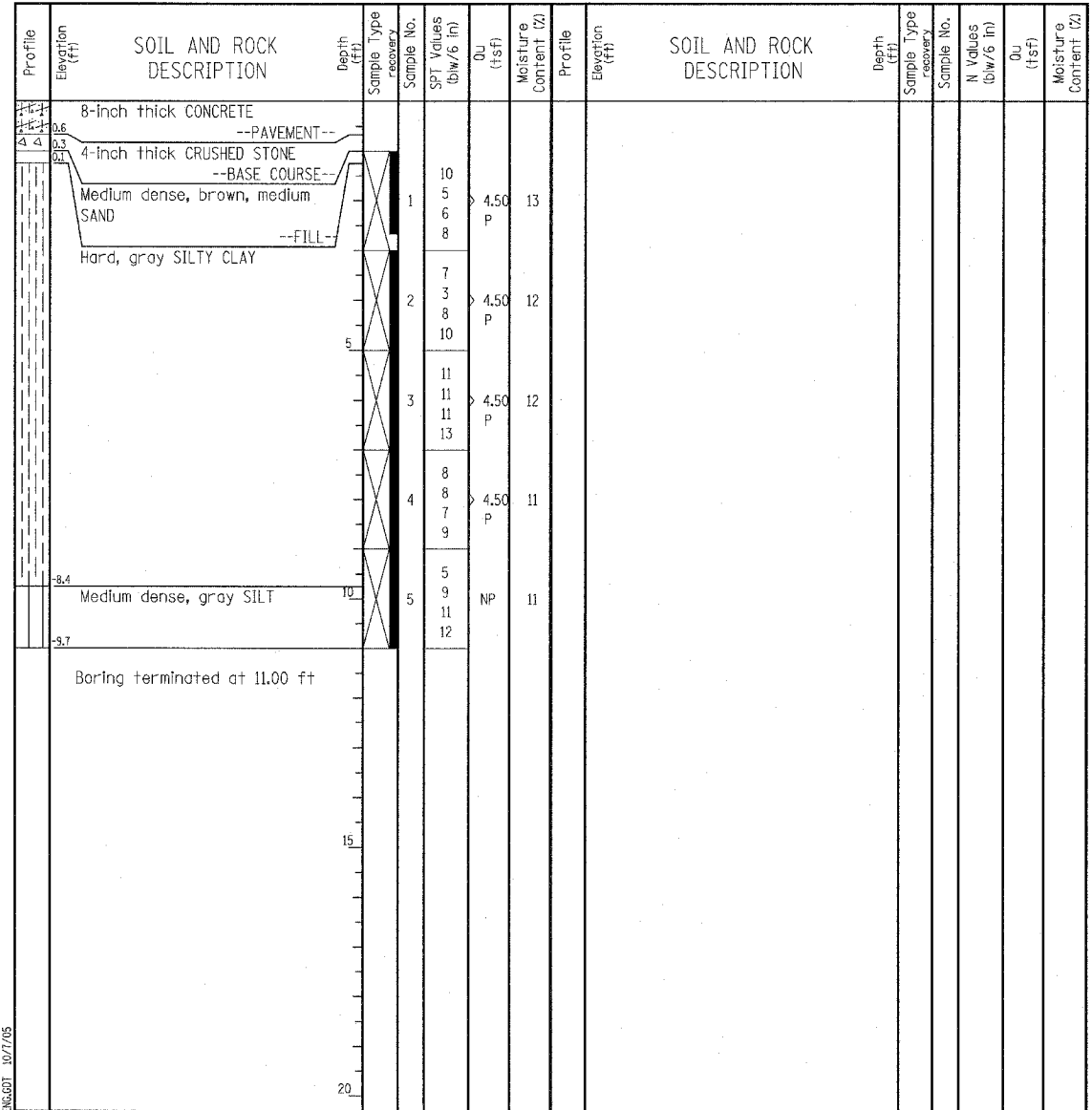
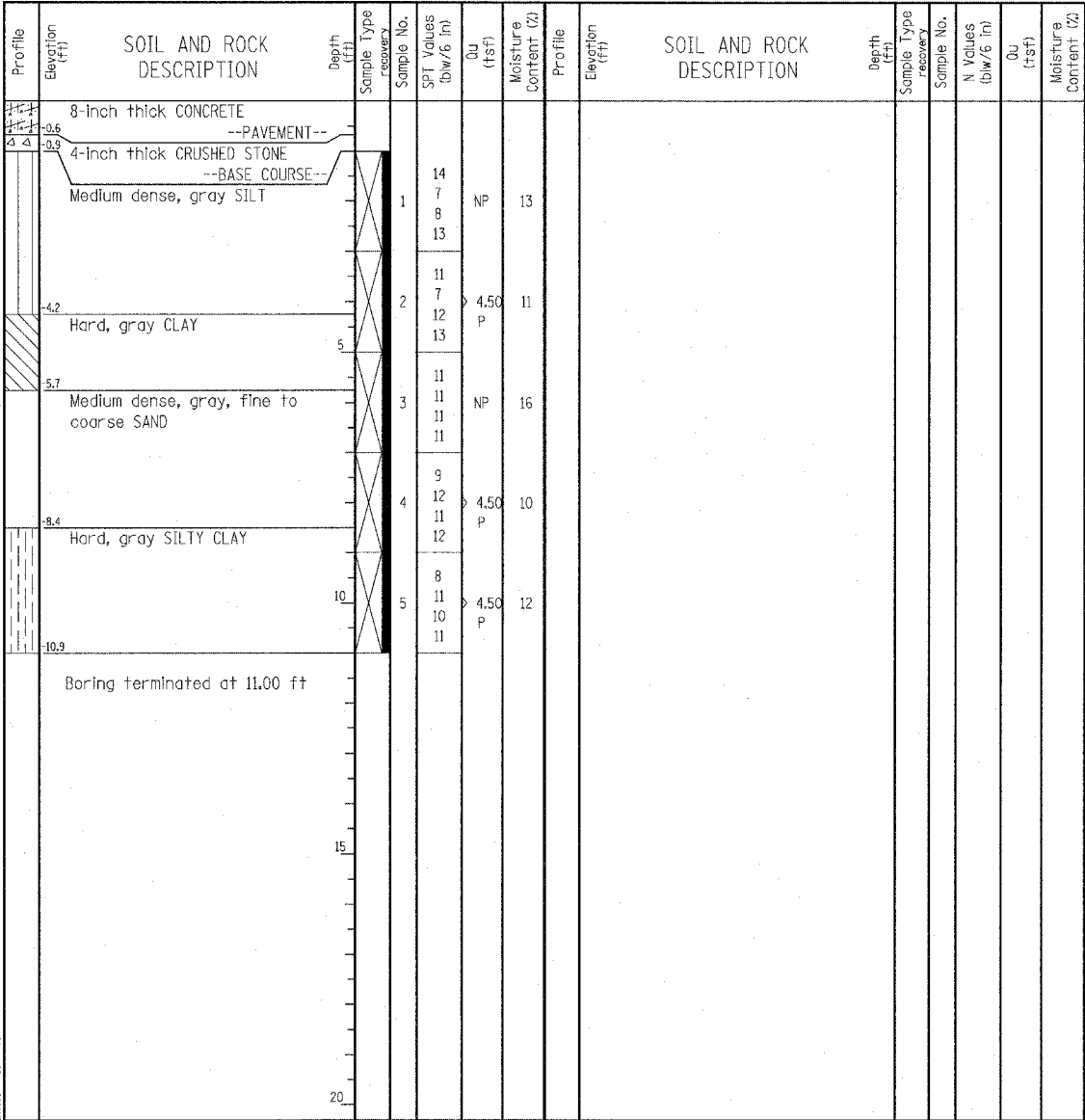
BORING LOG P-155
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 0.09 ft
 North: 1841263.32 ft
 East: 1177667.79 ft
 Station: 149+45.37
 Offset: 29.65' LT

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BORING LOG P-156
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 1.31 ft
 North: 1841018.67 ft
 East: 1177613.45 ft
 Station: 146+92.09
 Offset: 29.54' LT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-27-2003	Complete Drilling	06-27-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	▽	NA			
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-27-2003	Complete Drilling	06-27-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Depth to Water	▽	NA			
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

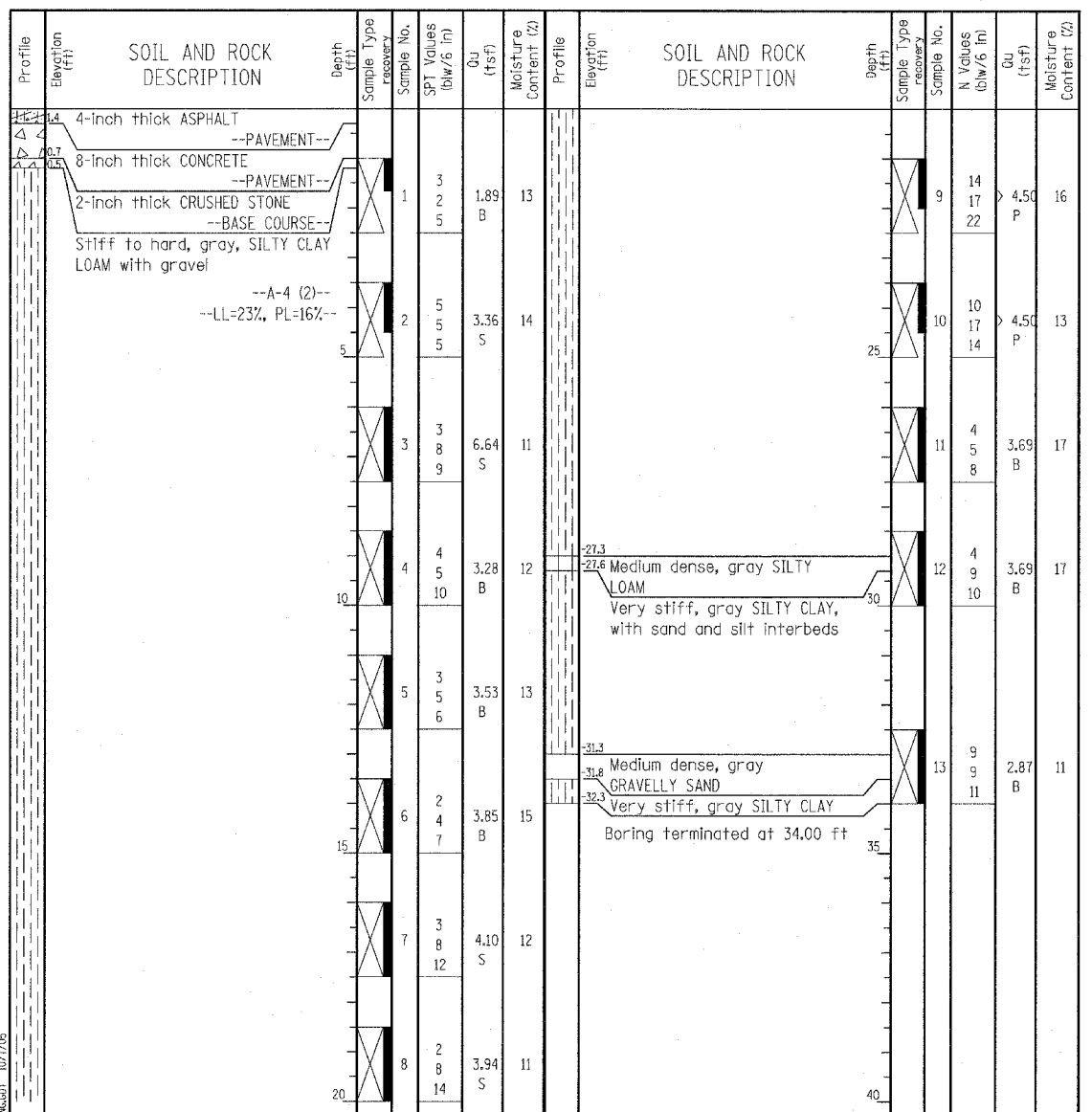
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BORING LOG P-157/JP-40

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.70 ft
 North: 1840791.65 ft
 East: 1177539.61 ft
 Station: 144+30.78
 Offset: 46.74' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-02-2003	Complete Drilling	06-02-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	K&J	Logger	J. Kasnick	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

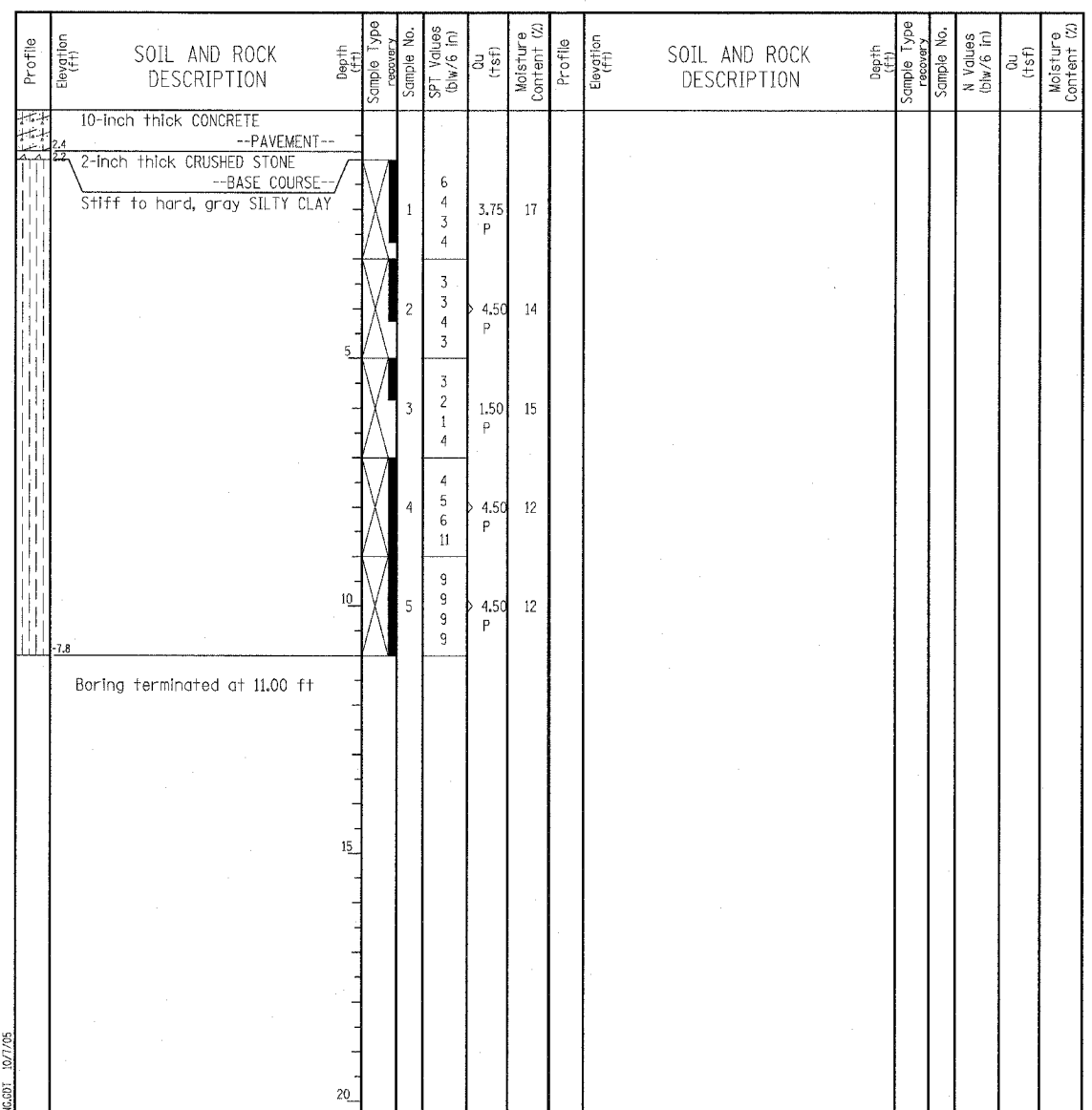
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BORING LOG P-158

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.19 ft
 North: 1840483.08 ft
 East: 1177400.04 ft
 Station: 141+06.44
 Offset: 34.49' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-27-2003	Complete Drilling	06-27-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	J&B	Logger	Y. Shu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-157/JP-40 & P-158

SCALE: N.T.S. DRAWN BY: MPG
 DATE: MARCH 1, 2006 CHECKED BY: JPM



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1
Date 2/3/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTWHS	BLOS	UCS	MOST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After
Station	(ft)	(%)	(sf)	(%)	ft	ft	ft	ft	ft	Hrs.
95th Street										
B95-5										
1210+70.44										
-3.16ft (SBDP)										
-0.93										
Asphalt, 6"					-1.43					
Concrete, 8"					-2.10					
Sub Base, Gravel (FILL)					-2.76					
Gray Sand and Clay (FILL)		4		15.0	-3.43					
Hard / Dense Gray SILTY CLAY LOAM / SILTY LOAM		5								
		9								
		5								
		8	>4.5	14.0						
		11	P							
		7								
		8	6.4	11.0						
		11	S							
		11								
		14	7.8	11.0						
		17	S							
		11								
		12	>4.5	11.0						
		17	P							
		11								
		16	4.3	11.0						
		20	S							
		11								
		12	>4.5	12.0						
		16	P							
		12								
		21	5.7	10.0						
		23	S							

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1
Date 2/5/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	DEPTWHS	BLOS	UCS	MOST	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After
Station	(ft)	(%)	(sf)	(%)	ft	ft	ft	ft	ft	Hrs.
95th Street										
B95-7										
1212+37.96										
-2.74ft (SBDP)										
-0.11										
Asphalt, 6"					-0.61					
Concrete, 8"					-1.28					
Sub Base, Gravel (FILL)					-1.95					
Gray Clay and Sand (FILL)		7		12.0	-3.25					
Black Sand (FILL)		6								
		8								
		8								
		9		15.0						
		9								
		8								
		10		12.0						
		10								
		8								
		12	7.6	14.0						
		12	B							
		6								
		9	7.0	13.0						
		12	B							
		7		10.0						
		11								
		14								
		13								
		16		12.0						
		24								
		15		10.0						
		17								
		24								

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS B95-5 & B95-7

SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 2/5/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (bl)	U C S (tsf)	M O I S T (%)	Surface Water Elev. ft	D E P T H (ft)	B L O W S (bl)	U C S (tsf)	M O I S T (%)
87th Street									
BORING NO. B87-1 Station 1252+24.65 Offset -3.53ft (SBDR) Ground Surface Elev. -8.17 ft									
Asphalt, 7"									
Concrete, 8"									
Sub Base, Gravel (FILL)									
Very Stiff to Hard Gray SILTY CLAY LOAM		6							
		5	3.7	11.0					
		5							
		6							
		5	6.3	12.0					
		7							
		7							
		7							
		9	8.7	11.0					
		10	B,S						
		7							
		11		9.0					
		13							
		9							
		11	7.0	11.0					
		15	S						
		16							
		25		9.0					
		30							
		23							
		38		9.0					
		40							
		14							
		24		9.0					
		35							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, Form 137 (Rev. 8-99)

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 2/5/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D E P T H (ft)	B L O W S (bl)	U C S (tsf)	M O I S T (%)	Surface Water Elev. ft	D E P T H (ft)	B L O W S (bl)	U C S (tsf)	M O I S T (%)
87th Street									
BORING NO. B87-3 Station 1254+81.35 Offset -3.54ft (SBDR) Ground Surface Elev. -9.76 ft									
Asphalt, 4"									
Concrete, 8"									
Sub Base, Gravel (FILL)									
Hard Gray SILTY CLAY LOAM		10							
		8	7.8	12.0					
		8	B,S						
		17							
		7	4.7	14.0					
		9	S						
		9							
		15							
		8	5.4	12.0					
		10	S						
		10							
		10	9.3	12.0					
		12	S						
		12							
		10							
		20		12.0					
		22							
		18							
		20		9.0					
		21							
		16							
		27		8.0					
		25							
		15							
		26		8.0					
		32							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, Form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)

SOIL BORINGS B87-1 & B87-3

SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 2/5/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D E P T H ft	B L O W S (bl)	U C S (tsf)	M O D E (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After _____ Hrs.
Asphalt, 6"			-7.81										
Concrete, 8"			-8.48										
Sub Base, Gravel (FILL)			-9.15										
Hard Gray SILTY CLAY LOAM			-10.65		5								
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM					5.5	14.0							
					6	B							
					7								
					8	6.9	10.0						
					8	B,S							
					12								
					8	6.5	10.0						
					12	B,S							
			-14.81										
Medium Dense to Dense Gray SILT					11								
					12		12.0						
					16								
					12								
					24		10.0						
					20								
			-19.81										
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM					11								
					11	4.9	18.0						
					14	B,S							
					7								
					9	5.8	11.0						
					10	S							
					11								
					12	7.7	11.0						
					12	B,S							
			-27.31		20								

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 2/3/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP.
SECTION _____ LOCATION Chicago, Illinois
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	BORING NO. Station	Offset	Ground Surface Elev.	D E P T H ft	B L O W S (bl)	U C S (tsf)	M O D E (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.	First Encounter	Upon Completion	After _____ Hrs.
Asphalt, 6"			-8.95										
Concrete, 8"			-9.65										
Sub Base, Gravel (FILL)			-10.12										
Hard Gray SILTY CLAY LOAM					5								
					6	4.9	16.0						
					7	B							
					5								
					5	4.5	16.0						
					7	B							
					9								
					10	7.9	13.0						
					18	S							
			-15.95										
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM					14								
					14	13.3	14.0						
					15	S							
					15								
					12	>4.5	12.0						
					13	P							
					9								
					10								
8 inches Sand Seam					11								
					8								
					10	6.2	12.0						
					13	S							
					11								
					12	5.9	9.0						
					14	S							
			-28.45		20								

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS B79-2 & B79-3
SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM



Illinois Department of Transportation
Division of Highways
AMERICAN GEOENGINEERING, INC.

Page 1 of 1

Date 2/3/05

ROUTE F.A.I. I-94 / I-90 DESCRIPTION Dan Ryan Expressway (D-91-419-01) LOGGED BY RP

SECTION _____ LOCATION Chicago, Illinois

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO.	Station	D	B	U	M	Surface Water Elev.	ft
	<u>79th Street</u>						
BORING NO.	<u>B79-5</u>					Stream Bed Elev.	ft
Station	<u>1310+88.63</u>					Groundwater Elev.:	
Offset	<u>-4.22ft (SBDR)</u>					First Encounter	<u>Dry</u> ft
Ground Surface Elev.	<u>-9.71</u>					Upon Completion	ft
		ft	ft	(sf)	(%)	After	Hrs. ft
Asphalt, 6"	-10.21						
Concrete, 8"	-10.91						
Sub Base, Gravel (FILL)	-11.54	10					
Hard Gray SILTY CLAY LOAM		9	>4.5	12.0			
		11	P				
		6					
		10	4.8	12.0			
		11	B				
Hard / Medium Dense Gray SILTY CLAY LOAM / SILTY LOAM	-14.71	5					
		13					
		12	>4.5	12.0			
		16	P				
		10					
		10	8.8	12.0			
		12	S				
		10					
		9	7.3	13.0			
		9	B				
		7					
		8	6.8	13.0			
		10	B				
		7					
		9	>4.5	11.0			
		8	P				
		7					
		7	5.6	13.0			
		8	S				
	-29.71	20					

End of Boring
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

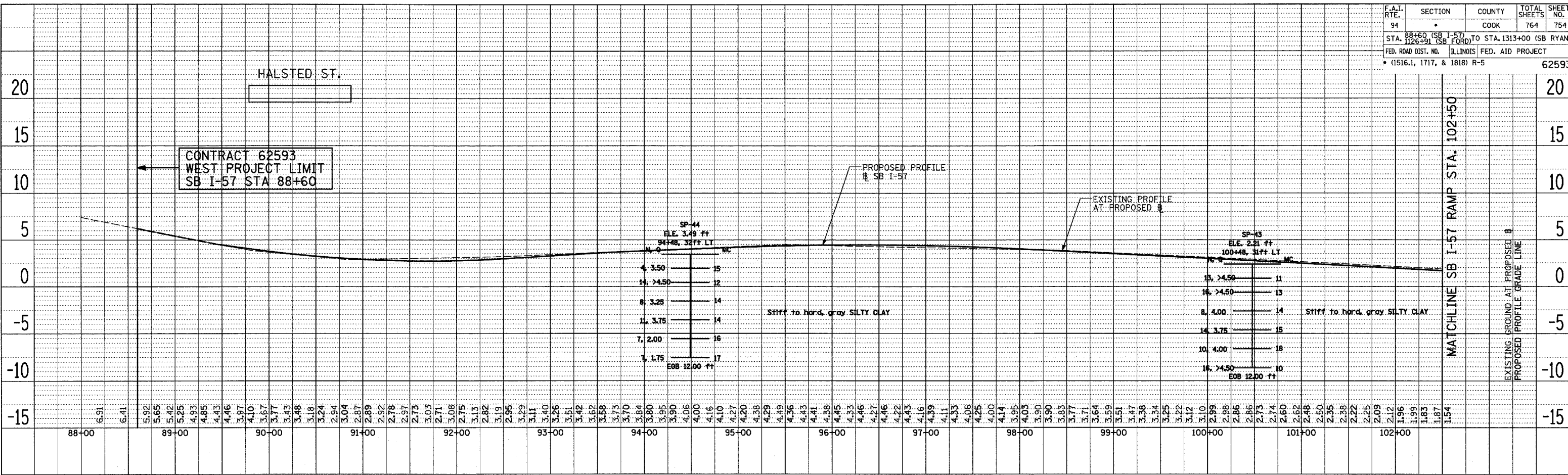
TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

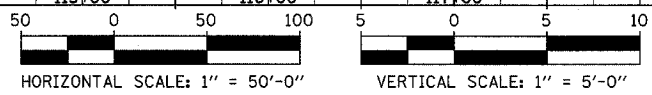
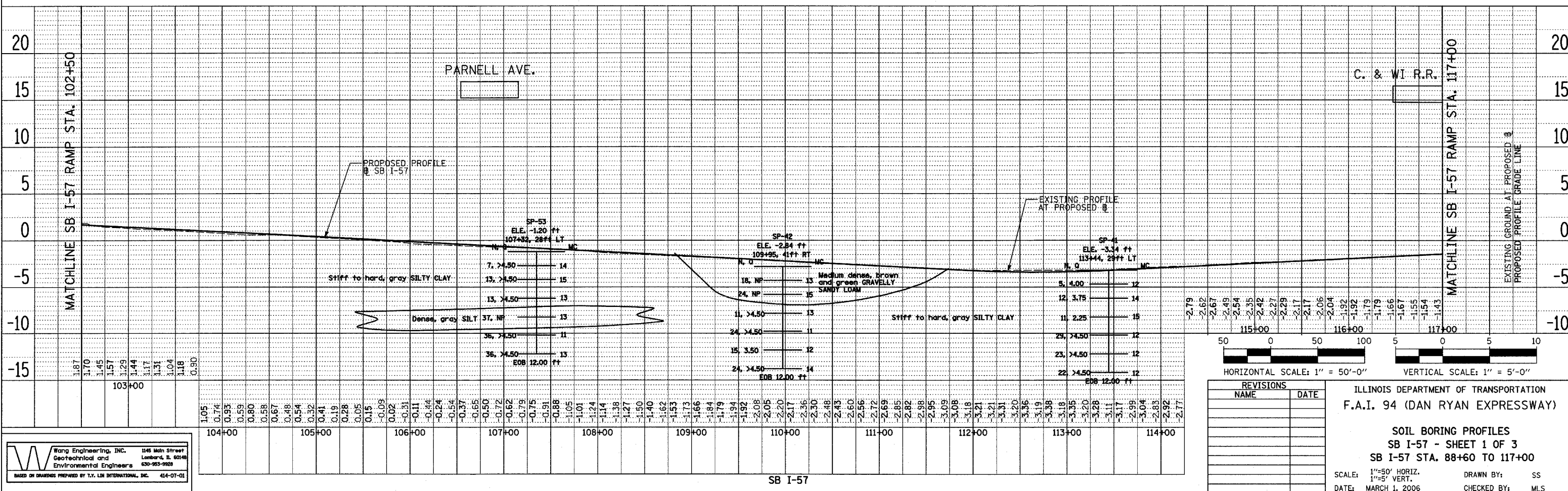
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS B79-5

SCALE: N.T.S. DRAWN BY: MPG
DATE: MARCH 1, 2006 CHECKED BY: JPM

DATE: _____
 BY: _____
 SURVEYED: _____
 ALLOWED: _____
 RT. OF WAY CHECKED: _____
 NO. _____
 NOTE BOOK: _____
 NO. _____
 CADD FILE NAME: _____



DATE: _____
 BY: _____
 SURVEYED: _____
 ALLOWED: _____
 RT. OF WAY CHECKED: _____
 NO. _____
 NOTE BOOK: _____
 NO. _____
 CADD FILE NAME: _____



REVISIONS	
NAME	DATE

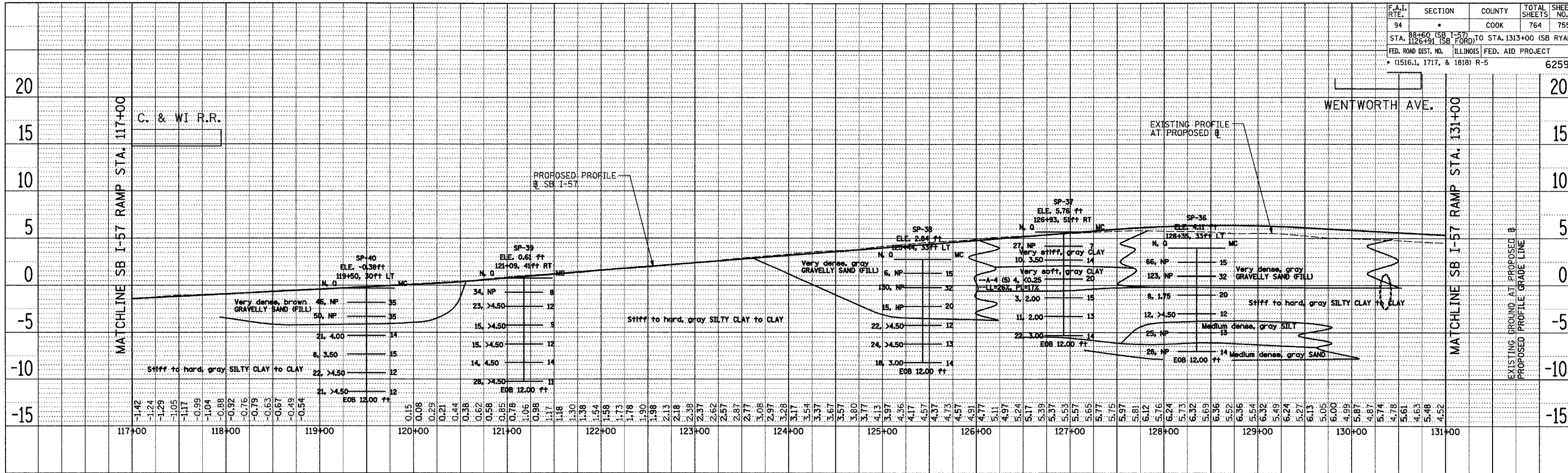
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

SOIL BORING PROFILES
 SB I-57 - SHEET 1 OF 3
 SB I-57 STA. 88+60 TO 117+00

SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 1, 2006

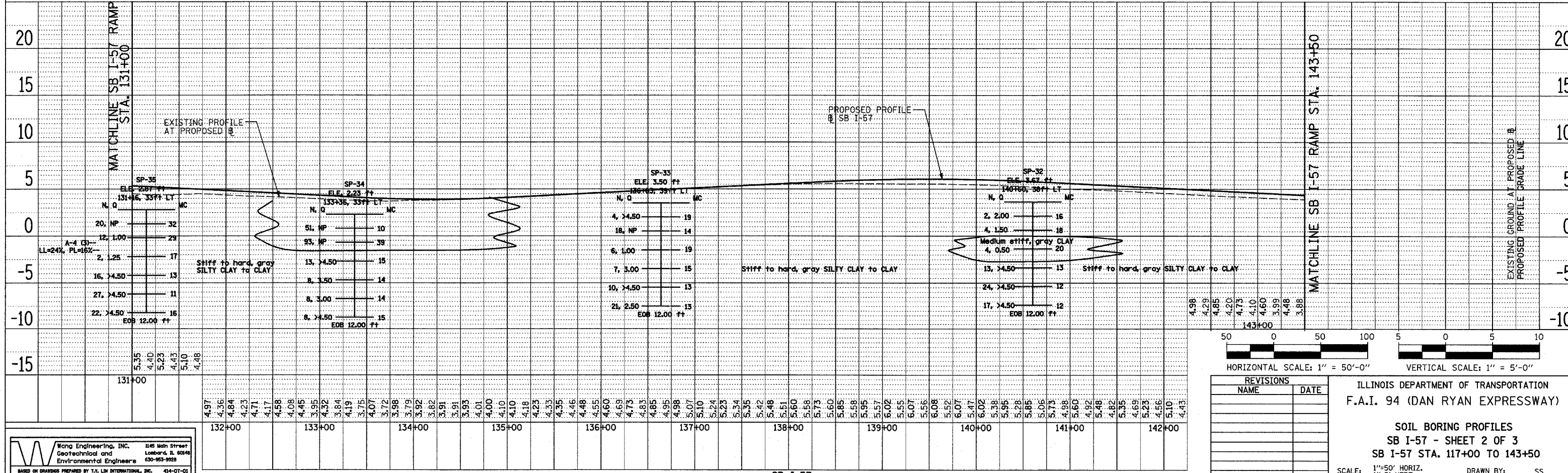
DRAWN BY: SS
 CHECKED BY: MLS

DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____
 NAME: _____



SB I-57

DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. _____
 NAME: _____



SB I-57

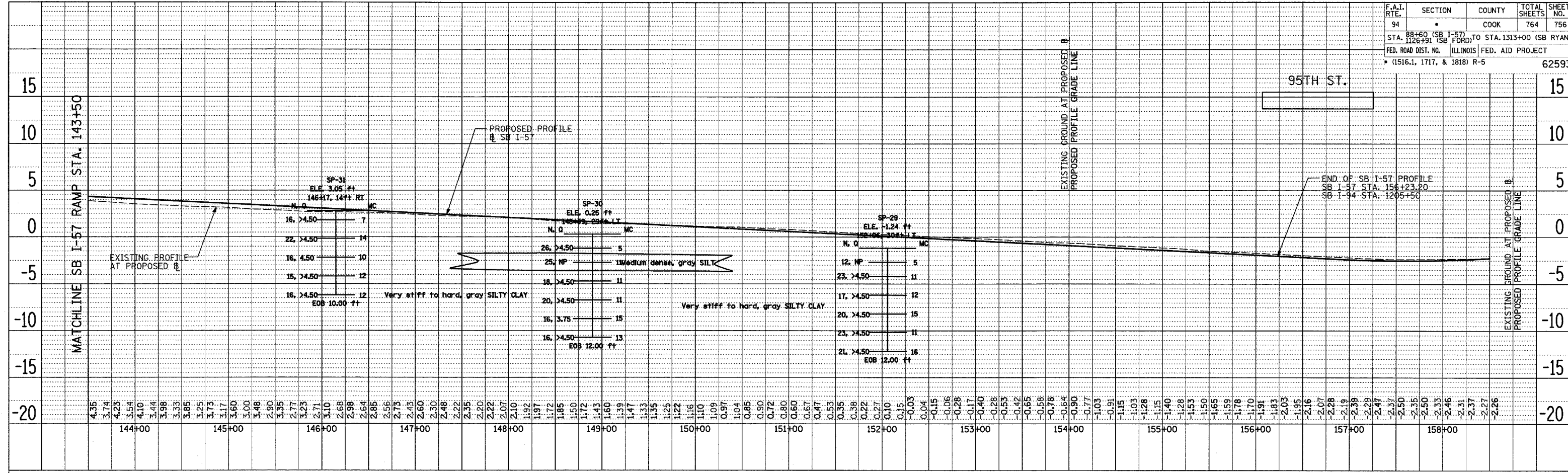
W **Wono Engineering, Inc.**
 648 Main Street
 Lombard, IL 60148
 Geotechnical and Environmental Engineers
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.C. LEM INTERNATIONAL, INC. 414-07-01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

SOIL BORING PROFILES
 SB I-57 - SHEET 2 OF 3
 SB I-57 STA. 117+00 TO 143+00

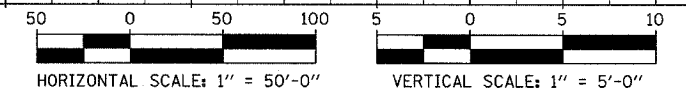
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 1"=5' VERT. DRAWN BY: SS
 DATE: MARCH 1, 2006 CHECKED BY: MLS



PLAN SURVEYED BY: _____ DATE: _____
 ALIGNED BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____ PAID FILE NAME: _____

PLAN SURVEYED BY: _____ DATE: _____
 ALIGNED BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____ PAID FILE NAME: _____

SB I-57



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)

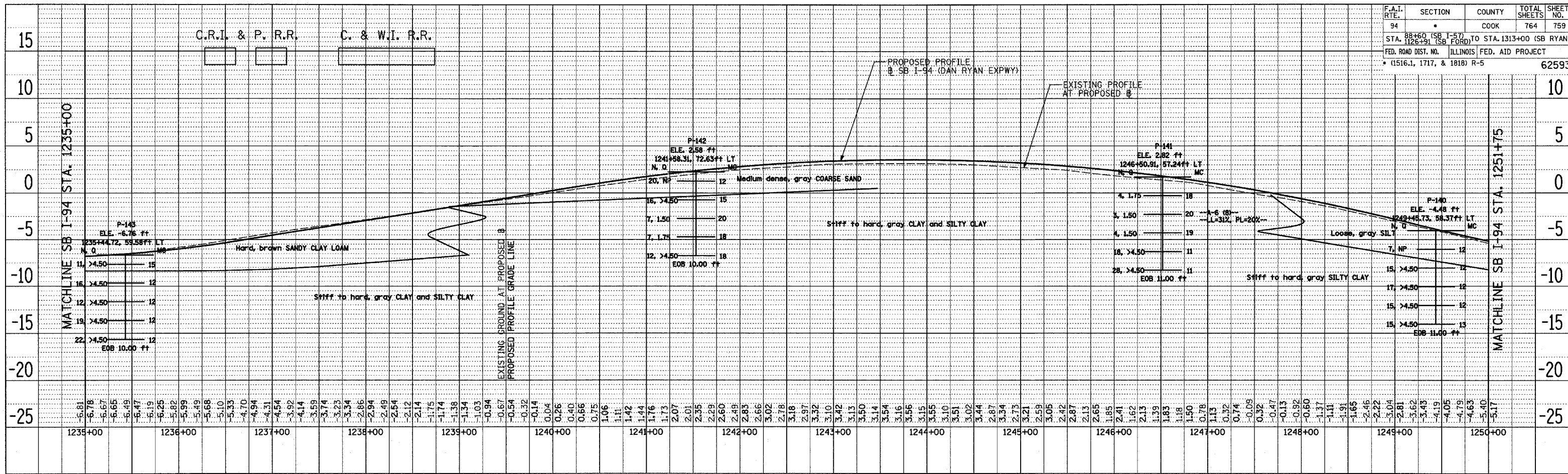
SOIL BORING PROFILES
 SB I-57 - SHEET 3 OF 3
 SB I-57 STA. 143+50 TO 156+23.2

SCALE: 1/4"=50' HORIZ.
 1/2"=5' VERT.
 DATE: MARCH 1, 2006

DRAWN BY: SS
 CHECKED BY: MLS

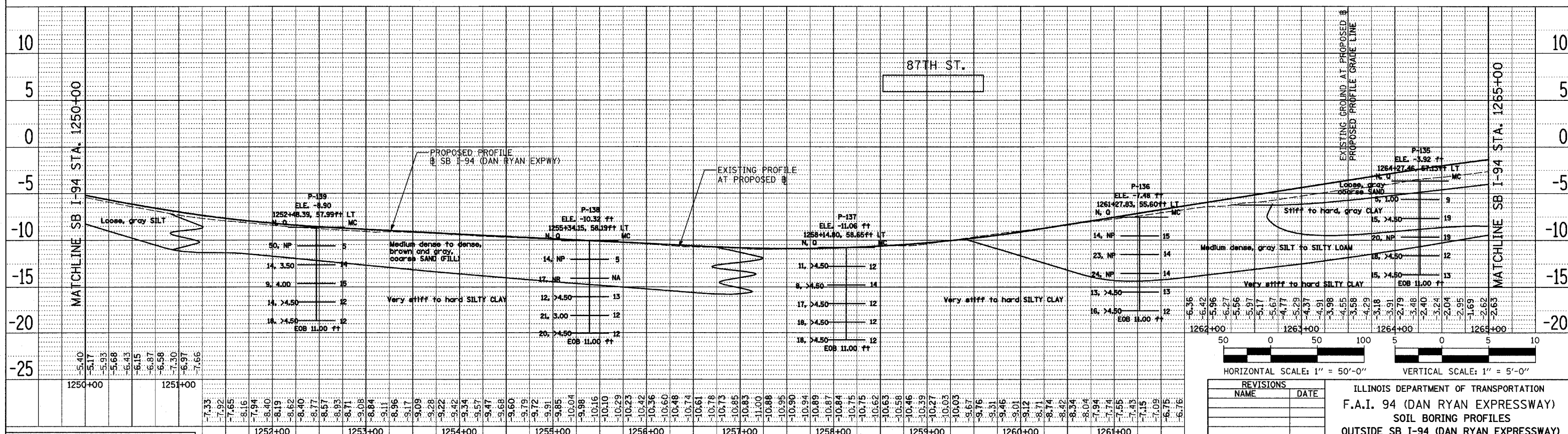
W Wang Engineering, Inc. 1145 Main Street
 Geotechnical and Environmental Engineers Lombard, IL 60148
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

PLAN
 REVISIONS
 PLOTTED
 ALIGNMENT CHECKED
 DATE FILE NAME
 NO.

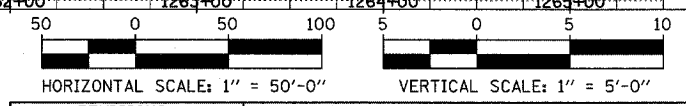


SB I-94 (DAN RYAN EXPRESSWAY)

PLAN
 REVISIONS
 PLOTTED
 ALIGNMENT CHECKED
 DATE FILE NAME
 NO.



SB I-94 (DAN RYAN EXPRESSWAY)

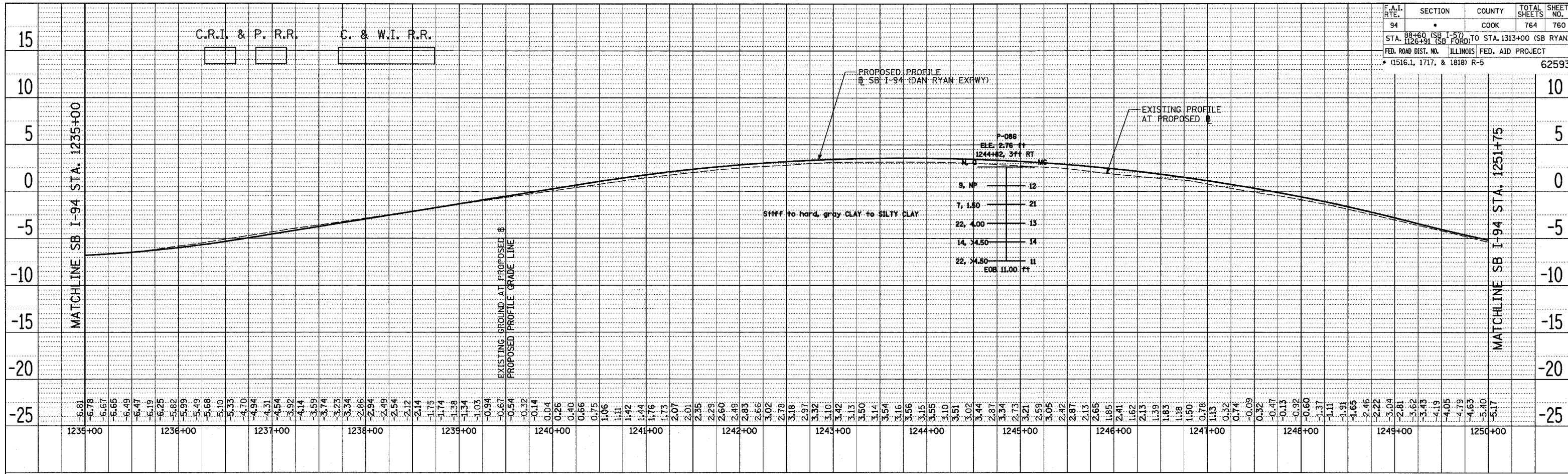


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE SB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 3 OF 12
 SB I-94 STA. 1235+00 TO 1265+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 1, 2006
 DRAWN BY: SS
 CHECKED BY: MLS

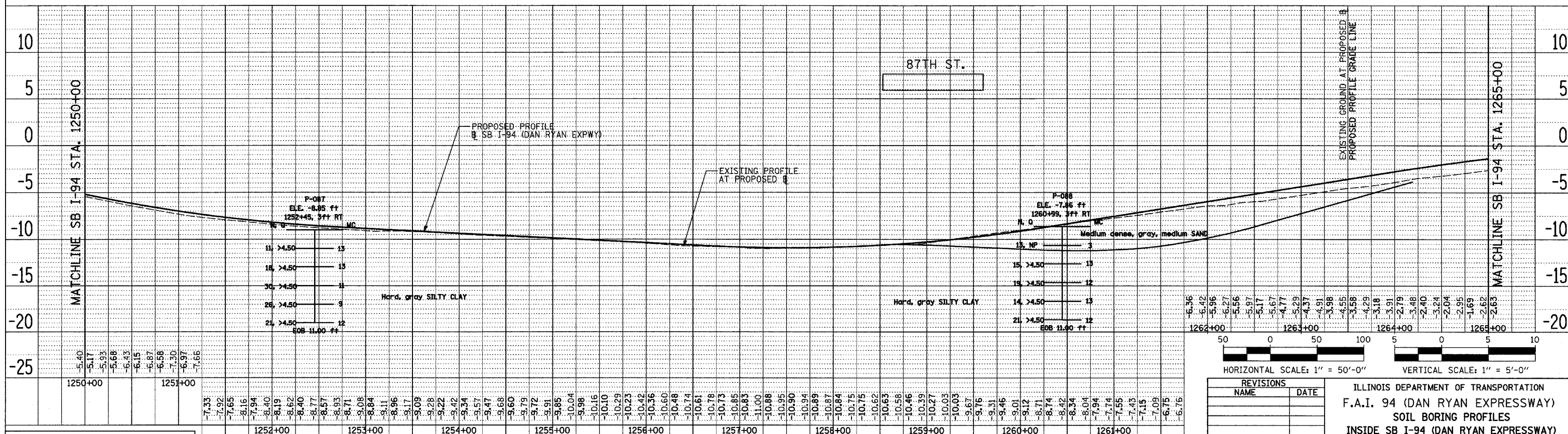
Wang Engineering, Inc.
 648 Main Street
 Lombard, IL 60148
 Geotechnical and
 Environmental Engineers 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

DATE: _____
 BY: _____
 CHECKED: _____
 PLAN NO.: _____

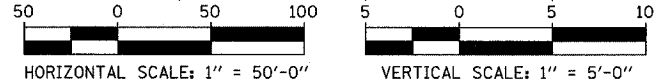


SB I-94 (DAN RYAN EXPRESSWAY)

DATE: _____
 BY: _____
 CHECKED: _____
 PLAN NO.: _____



SB I-94 (DAN RYAN EXPRESSWAY)



REVISIONS	
NAME	DATE

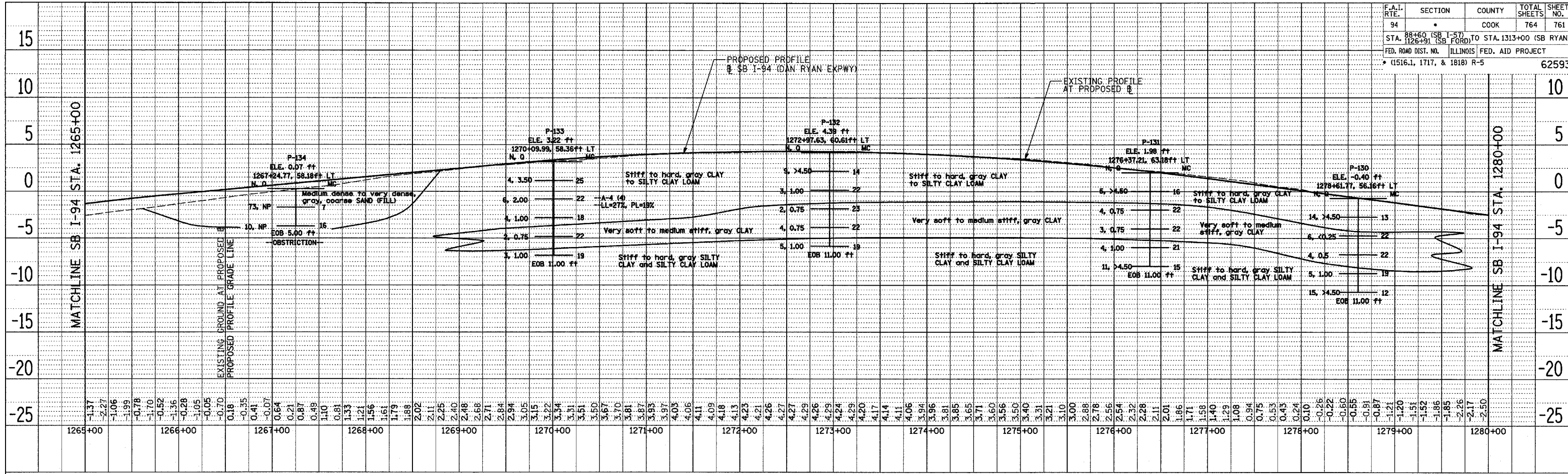
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 INSIDE SB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 4 OF 12
 SB I-94 STA. 1235+00 TO 1265+00

SCALE: 1"=50' HORIZ.
 1"=5' VERT.

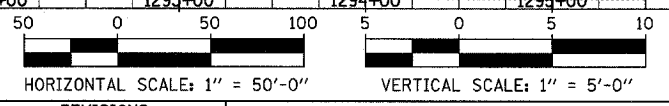
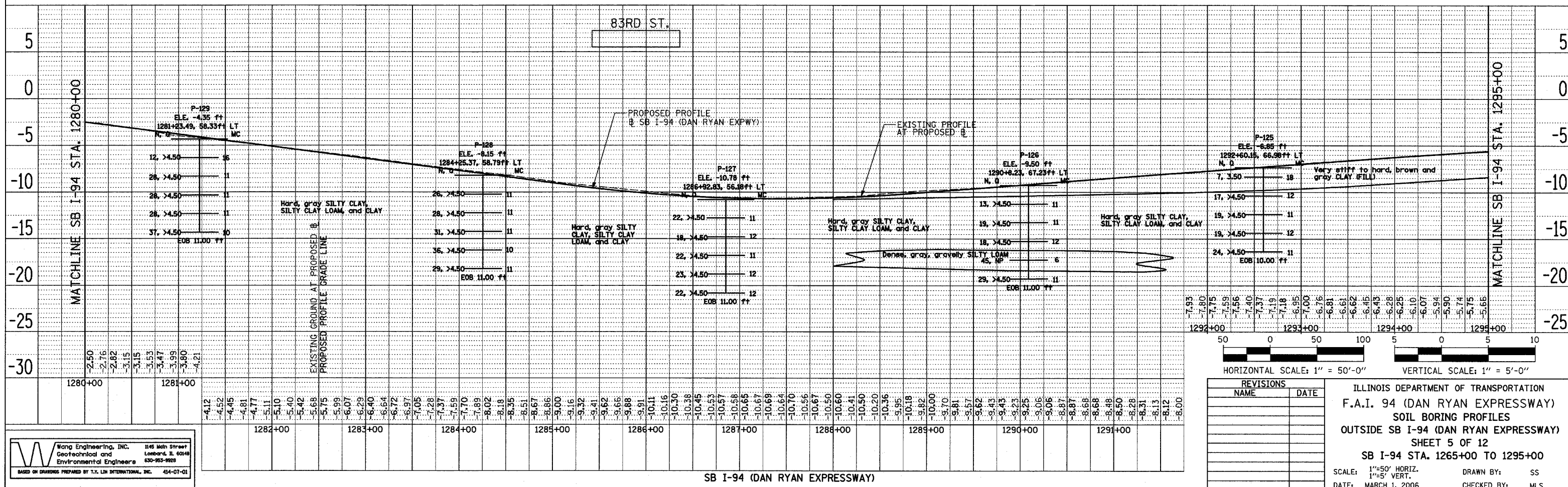
DATE: MARCH 1, 2006

DRAWN BY: SS
 CHECKED BY: MLS

DATE: _____
 BY: _____
 CHECKED: _____
 NO. _____



DATE: _____
 BY: _____
 CHECKED: _____
 NO. _____



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE SB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 5 OF 12
 SB I-94 STA. 1265+00 TO 1295+00

SCALE: 1"=50' HORIZ.
 1"=5' VERT.

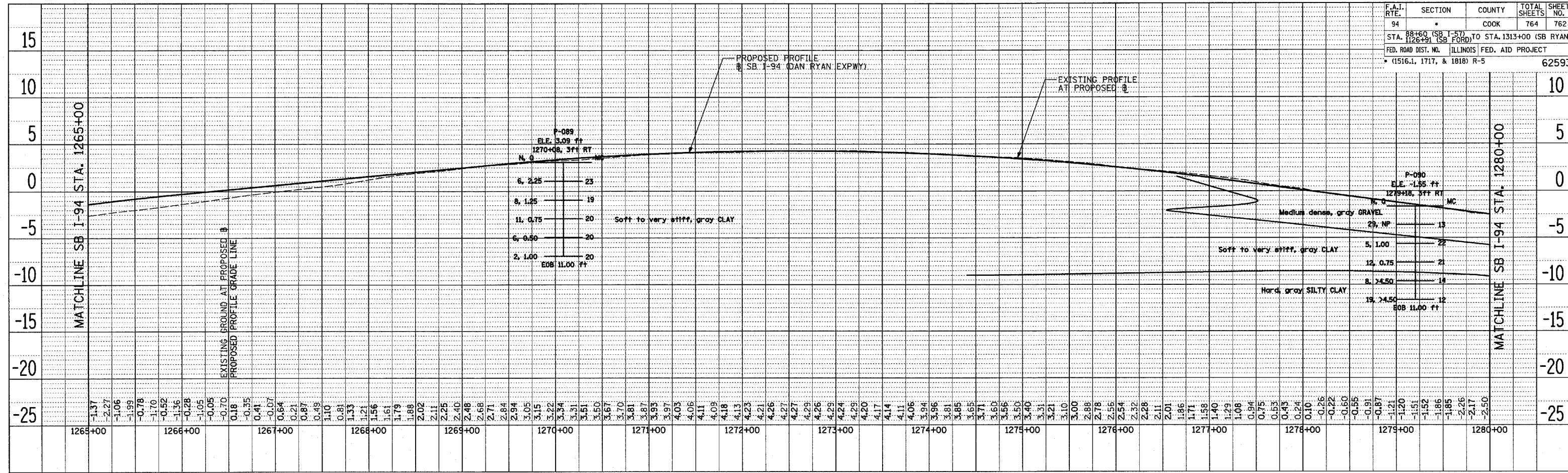
DATE: MARCH 1, 2006

DRAWN BY: SS
 CHECKED BY: MLS

W Wang Engineering, Inc. 1145 1/2th Street
 Geotechnical and Lombard, IL 60148
 Environmental Engineers 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

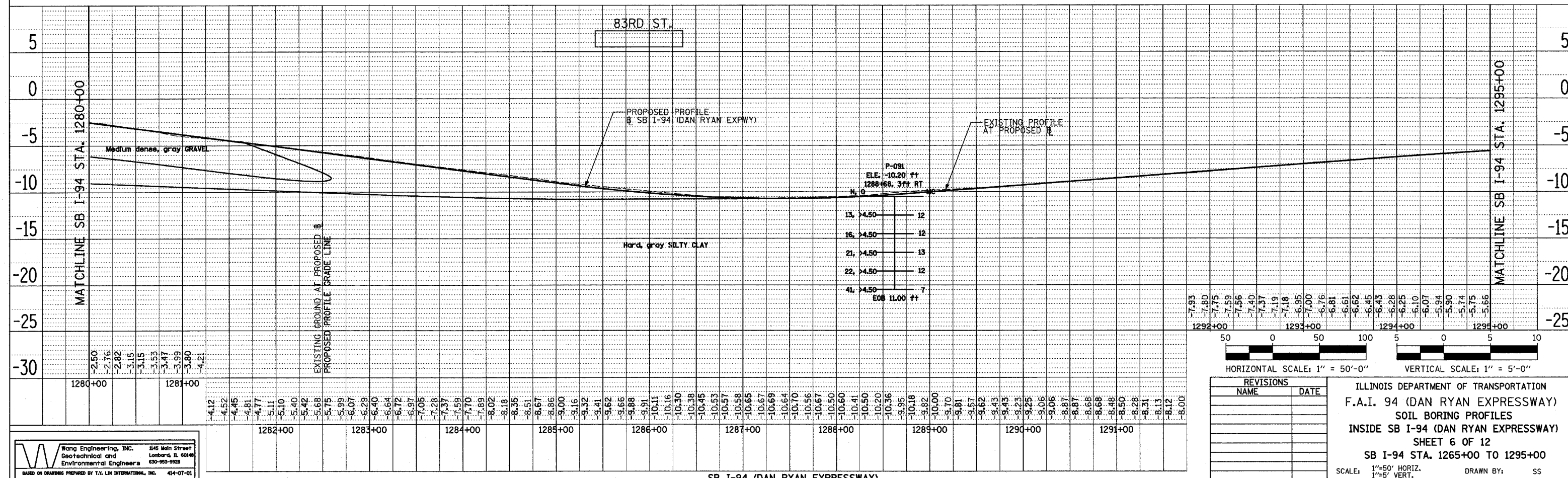
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	764	762
STA. 88+60 (SB I-57) TO STA. 1313+00 (SB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717, & 1818) R-5 62593				

PLAN	SURVEYED	BY	DATE
NO.	ALIGNED		
	PLotted		
	RT. OF WAY CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		

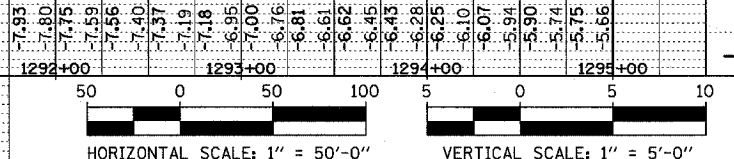


SB I-94 (DAN RYAN EXPRESSWAY)

PLAN	SURVEYED	BY	DATE
NO.	ALIGNED		
	PLotted		
	RT. OF WAY CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		



SB I-94 (DAN RYAN EXPRESSWAY)

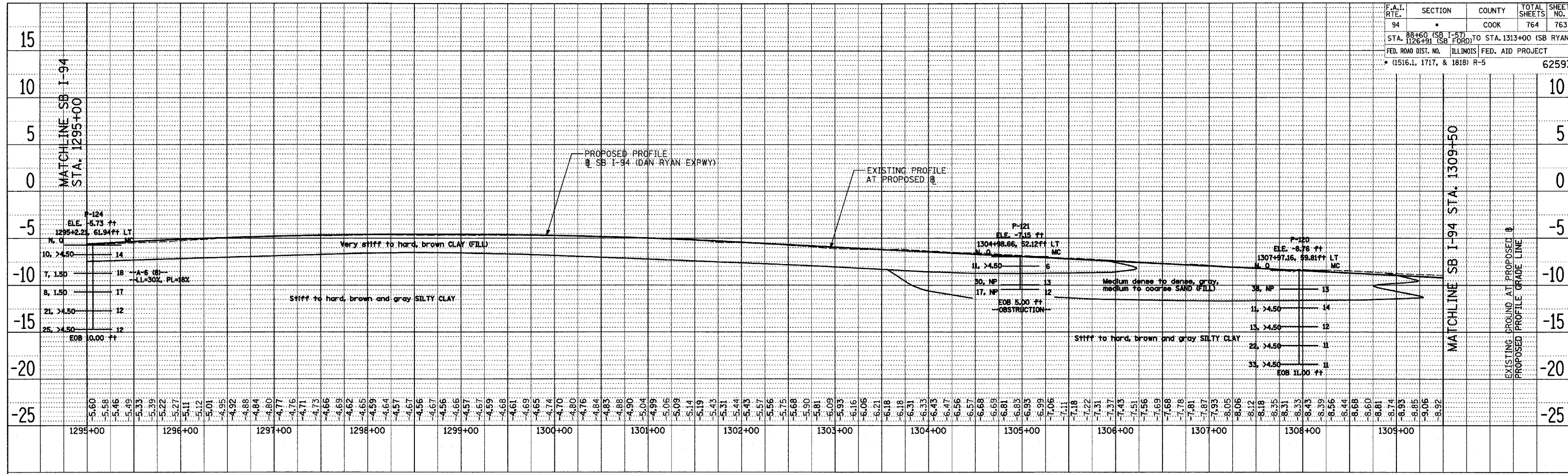


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 INSIDE SB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 6 OF 12
 SB I-94 STA. 1265+00 TO 1295+00
 SCALE: 1"=50' HORIZ. 1"=5' VERT.
 DATE: MARCH 1, 2006
 DRAWN BY: SS
 CHECKED BY: MLS

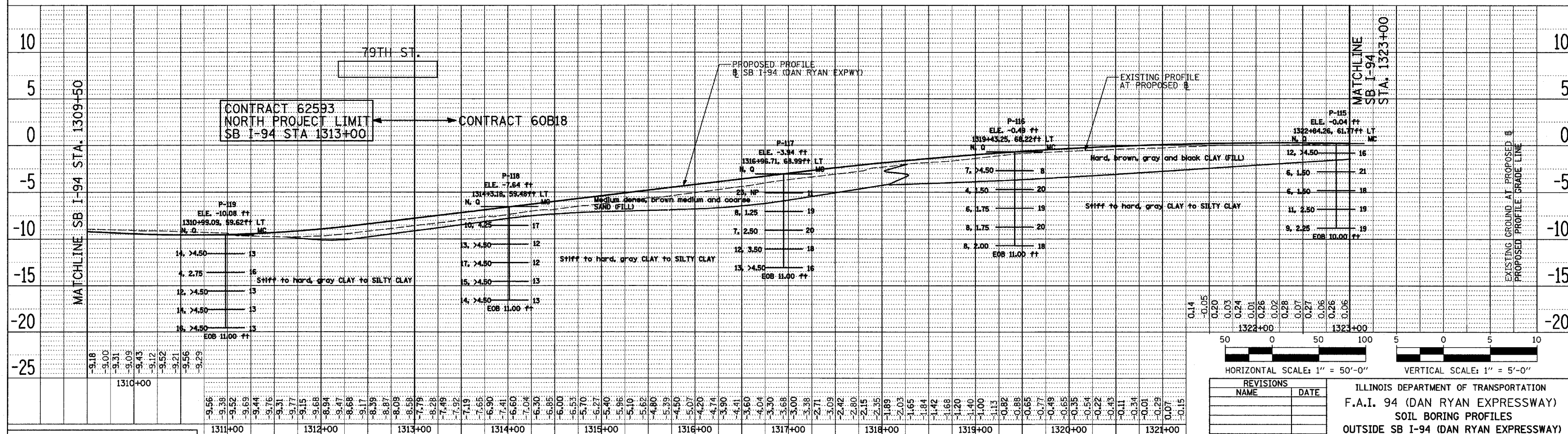
Wong Engineering, Inc. 1145 North Street
 Geotechnical and Environmental Engineers Lombard, IL 60148
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

DATE: _____
 BY: _____
 SURVEYED _____
 PLAN _____
 NOTE BOOK _____
 NO. _____
 ALIGNED CHECKED _____
 RT. OF WAY CHECKED _____
 PAID FILE NAME _____

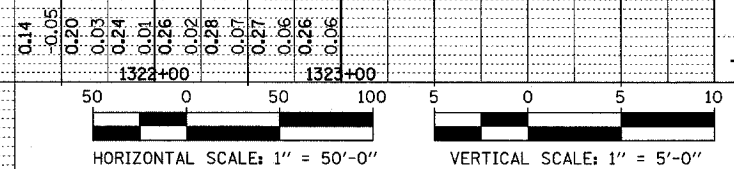


SB I-94 (DAN RYAN EXPRESSWAY)

DATE: _____
 BY: _____
 SURVEYED _____
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SB I-94 (DAN RYAN EXPRESSWAY)



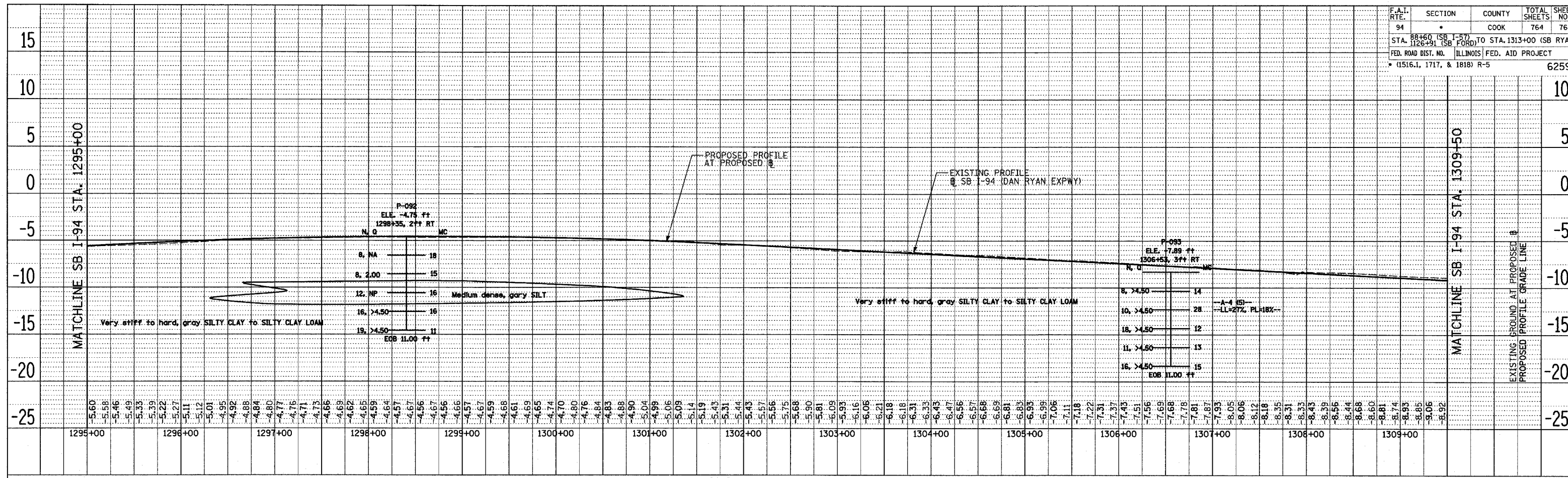
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE SB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 7 OF 12
 SB I-94 STA. 1295+00 TO 1323+00

SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 1, 2006
 DRAWN BY: SS
 CHECKED BY: MLS

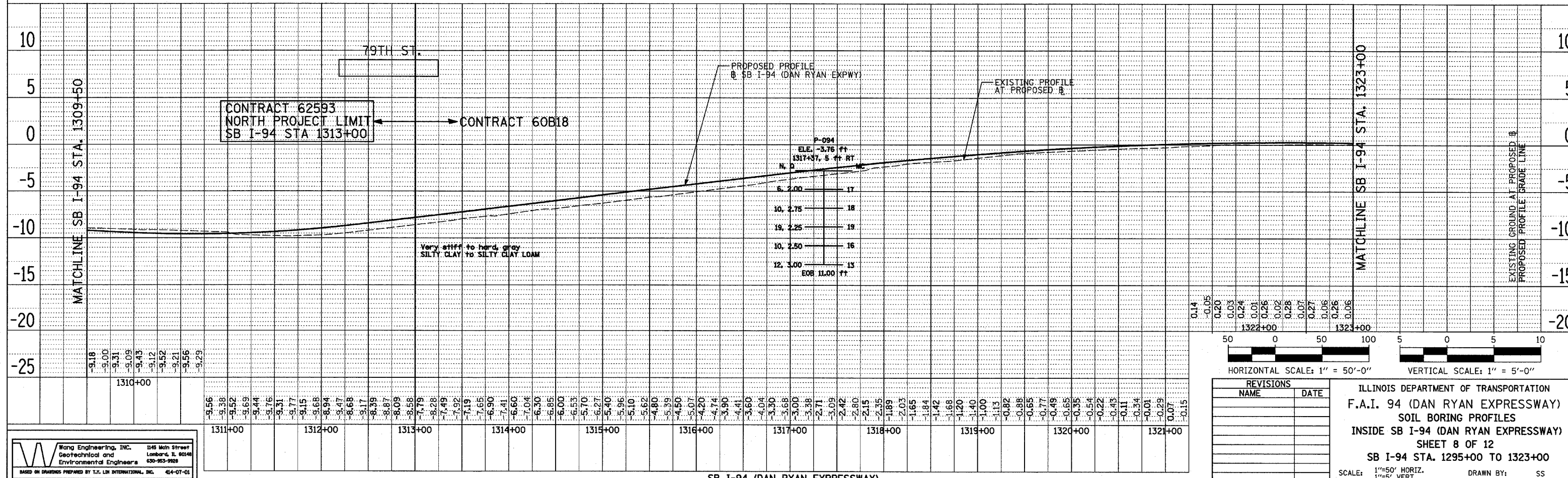
Wang Engineering, Inc. 1145 Main Street
 Geotechnical and Environmental Engineers Lombard, IL 60148
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.V. LIN INTERNATIONAL, INC. 414-07-01

DATE: _____
 BY: _____
 SUBMITTED: _____
 PLAN: _____
 NOTE BOOK: _____
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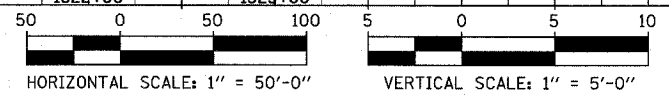


SB I-94 (DAN RYAN EXPRESSWAY)

DATE: _____
 BY: _____
 SUBMITTED: _____
 PLAN: _____
 NOTE BOOK: _____
 NO. _____



SB I-94 (DAN RYAN EXPRESSWAY)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
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