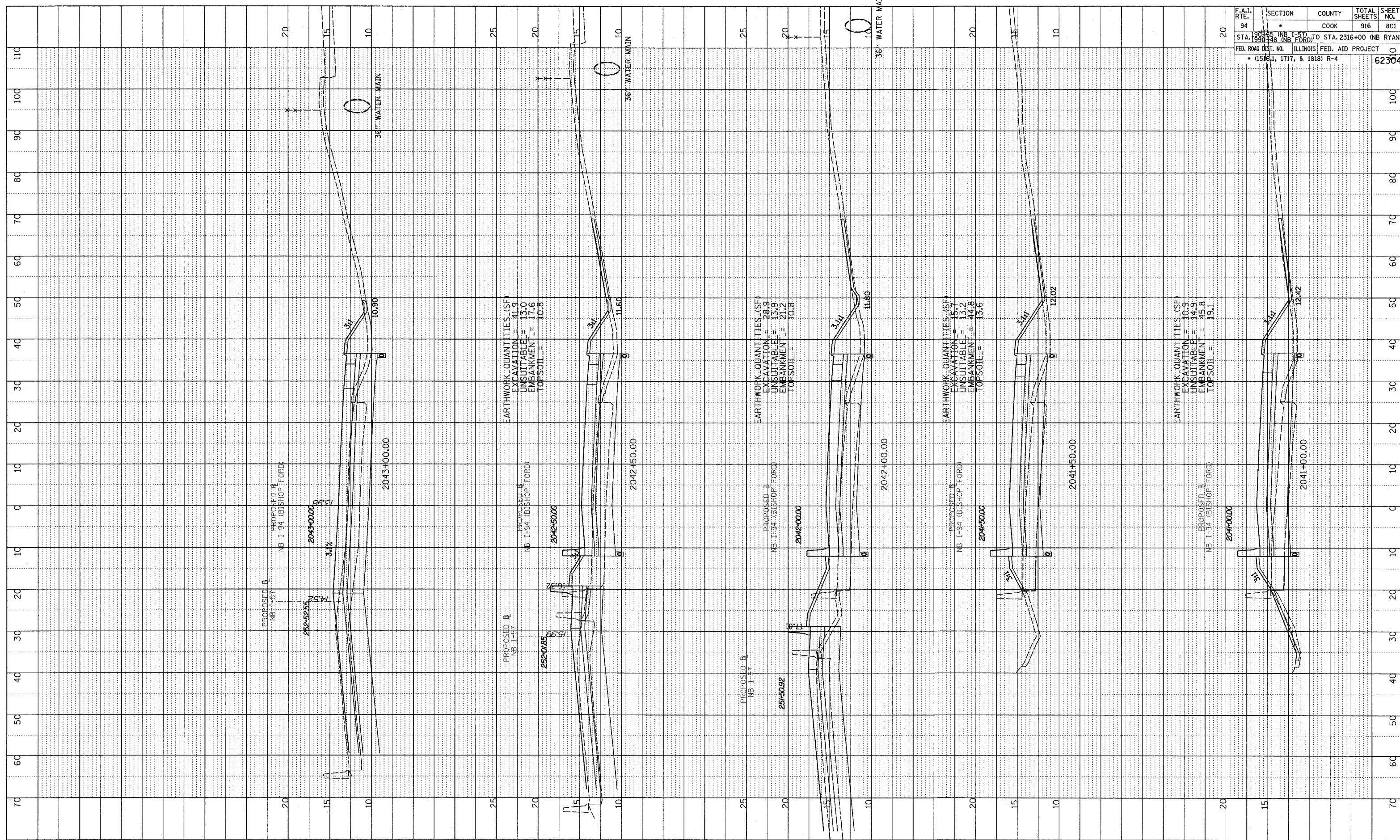


PROFILE SURVEYED
 NOTE BOOK
 NO.

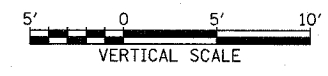
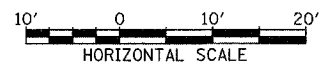
BY
 DATE

GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTED (CRWD)



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	190+45 (NB I-57) TO STA. 2316+00 (NB RYAN)	COOK	916	801
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516, 1, 1717, & 1818) R-4				
				62304

TYLIN INTERNATIONAL

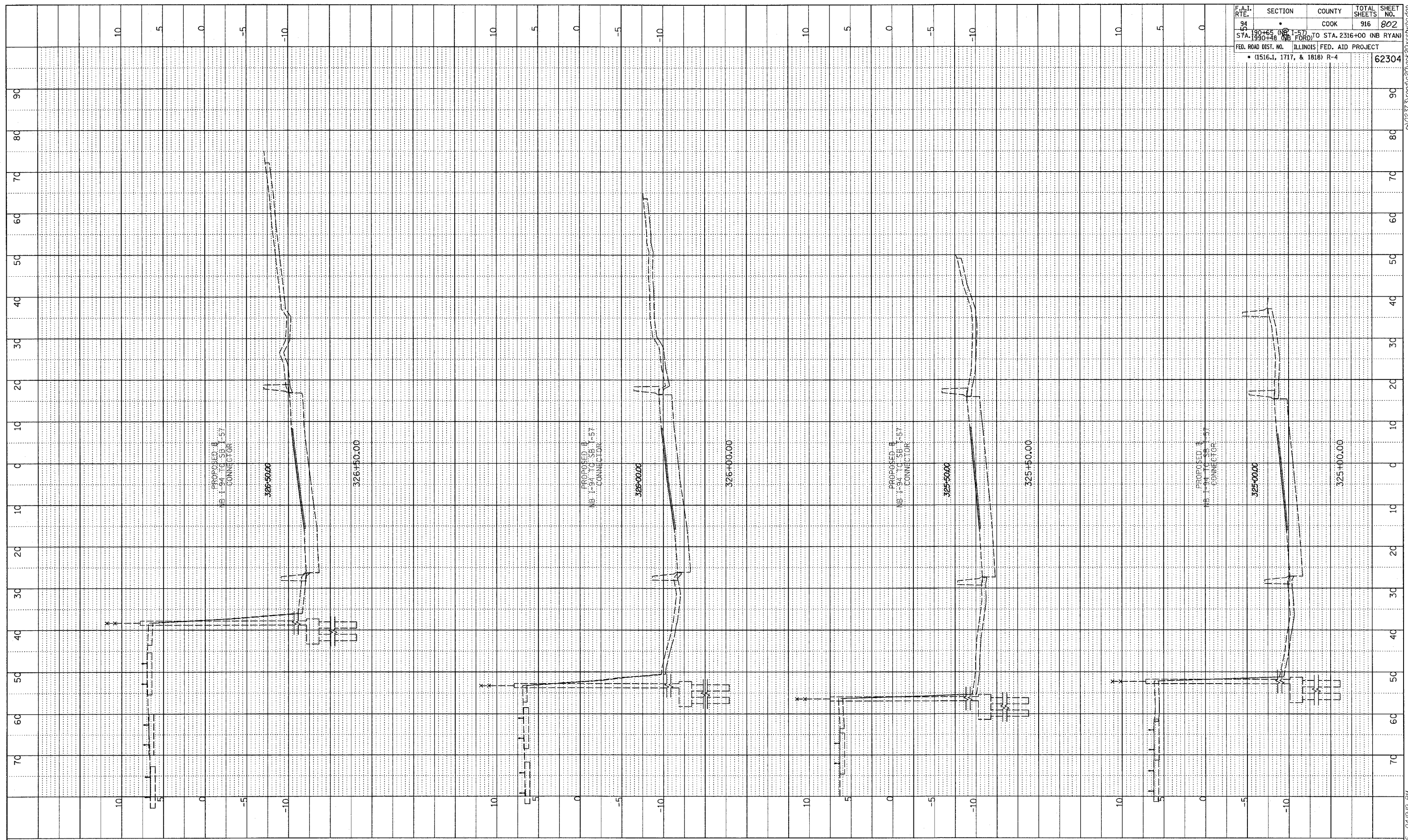


NORTHBOUND I-94 (BISHOP FORD EXPWY)
 STA. 2041+00 TO STA. 2043+00

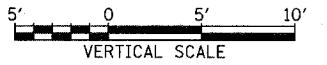
03/03/2006 04:49:18 PM

PROFILE SURVEYED BY _____ DATE _____
 NOTE BOOK NO. _____
 GRADES CHECKED BY _____
 STRUCTURE NOTATIONS CHFD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	916	802
STA. 190+48 (NB I-57) TO STA. 2316+00 (NB RYAN) STA. 190+48 (NB I-57) TO STA. 2316+00 (NB RYAN) FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT • (1516.1, 1717, & 1818) R-4				
				62304



TYLIN INTERNATIONAL

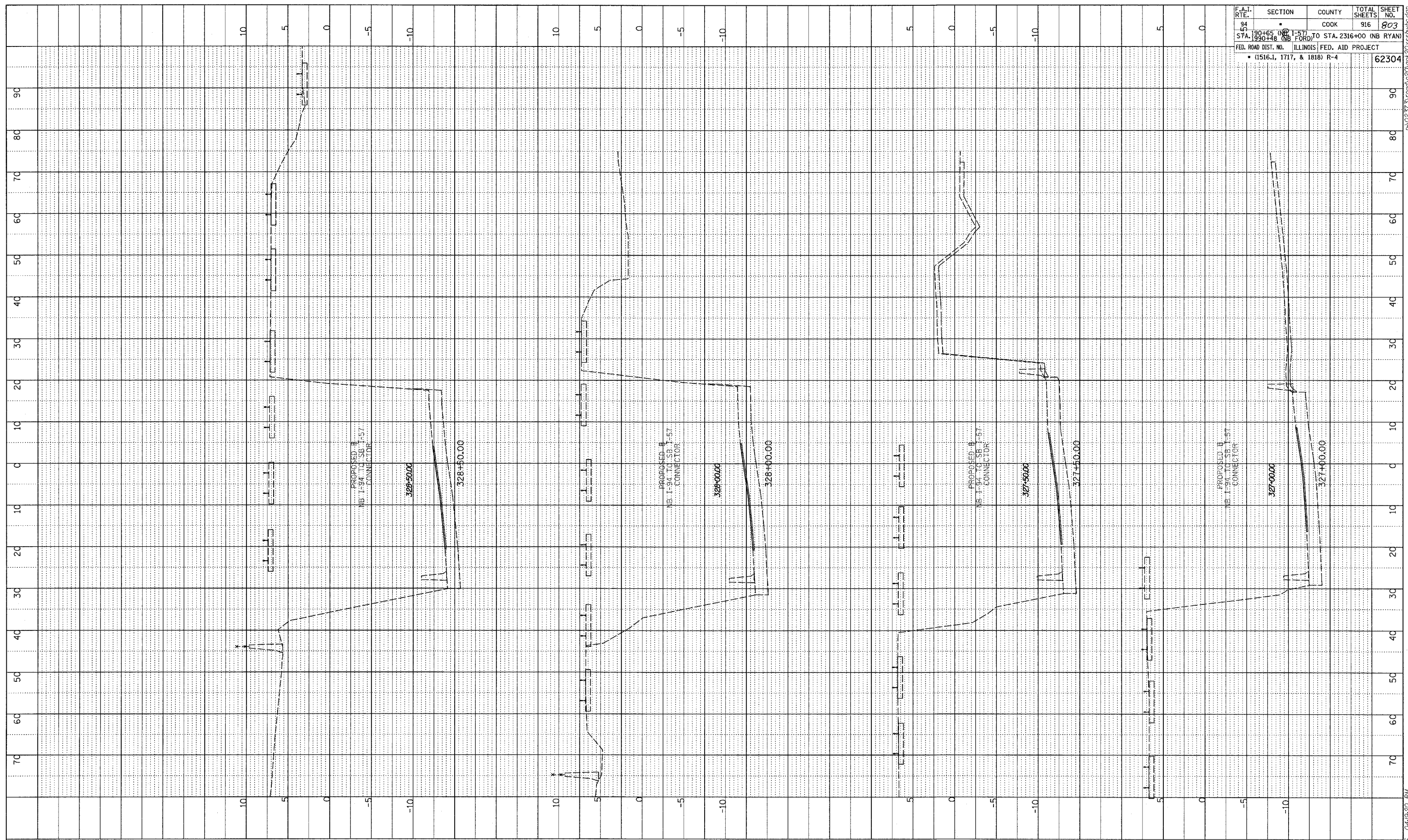


WB I-94 TO I-57 CONNECTOR
STA. 325+00 TO STA. 326+50

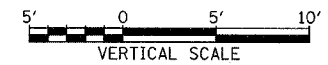
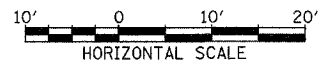
03/03/2006 04:19:19 PM

PROFILE SURVEYED _____ DATE _____
 NOTE BOOK GRADES CHECKED _____ BY _____
 NO. _____ DATE NOTATIONS CIP# _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1-57	COOK	916	803
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN) STA. 190+78 (NB I-57) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT • (1516.1, 1717, & 1818) R-4				
				62304



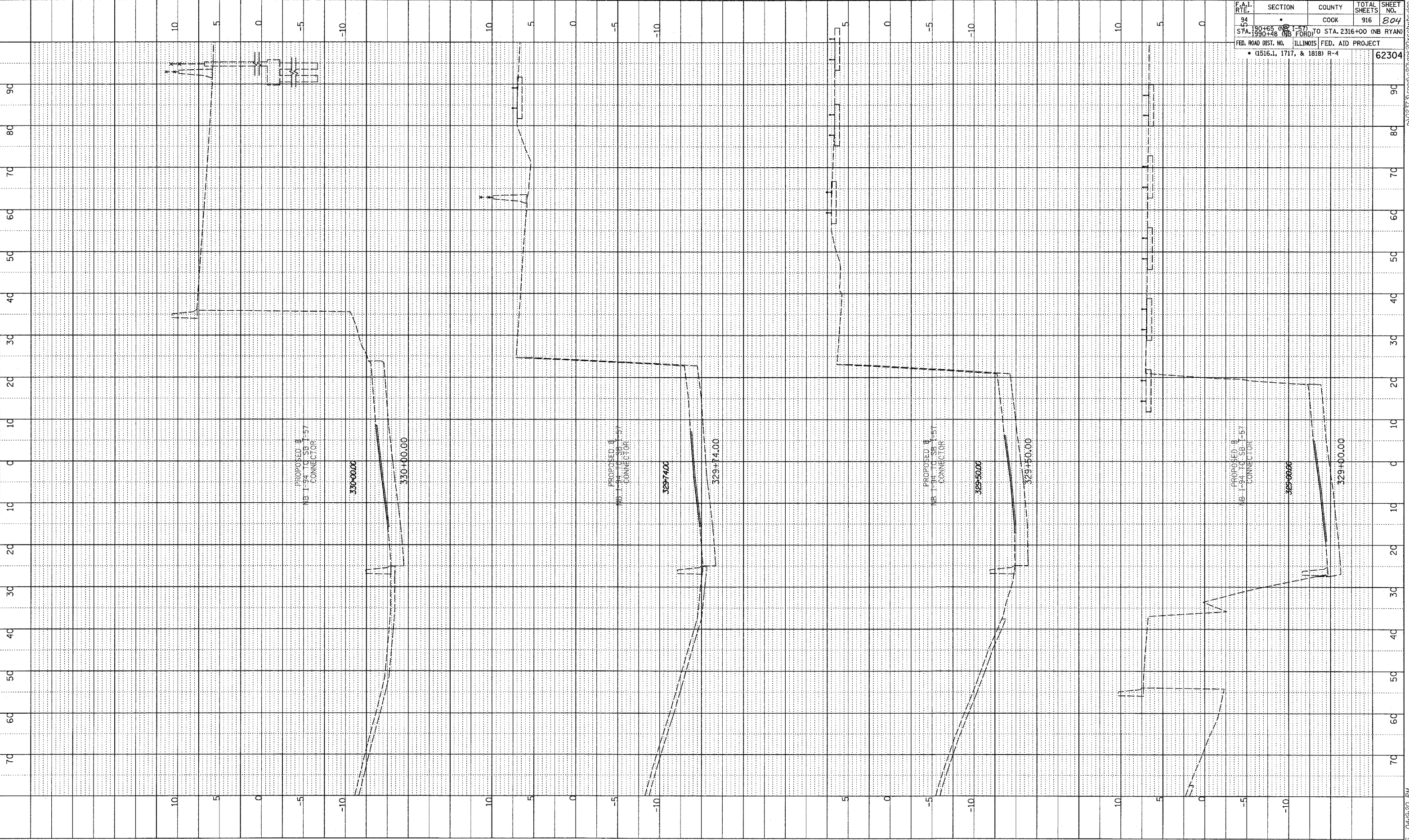
TYLIN INTERNATIONAL



WB I-94 TO I-57 CONNECTOR
STA. 327+00 TO STA. 328+50

03/03/2006 04:09:00 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54	•	COOK	916	804
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)		FED. AID PROJECT		
FED. ROAD DIST. NO. ILLINOIS		• (1516.1, 1717, & 1818) R-4		
				62304



PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	DATE NOTED	
	STRUCTURE NOTATIONS CHECKED	

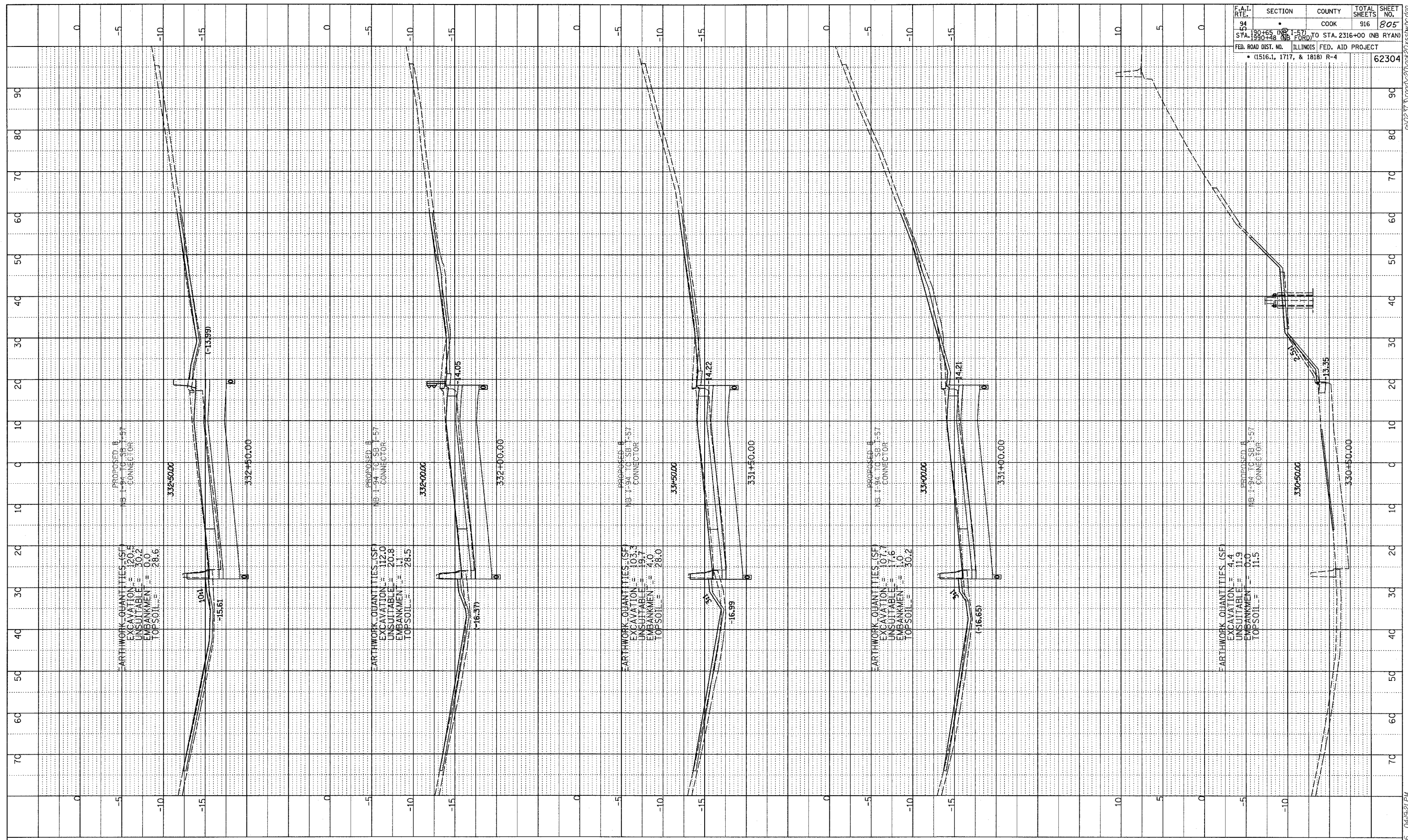
TYLIN INTERNATIONAL

WB I-94 TO I-57 CONNECTOR
STA. 329+00 TO STA. 330+00

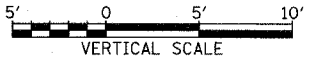
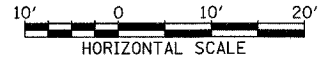
03/03/2006 04:49:20 PM

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	•	COOK	916	805
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717, & 1818) R-4				
				62304

PROFILE	DATE
BY	
REVIEWED	
GRADES CHECKED	
PLAN NOTED	
STRUCTURE NOTATIONS OK'D	
NO.	



TYLIN INTERNATIONAL

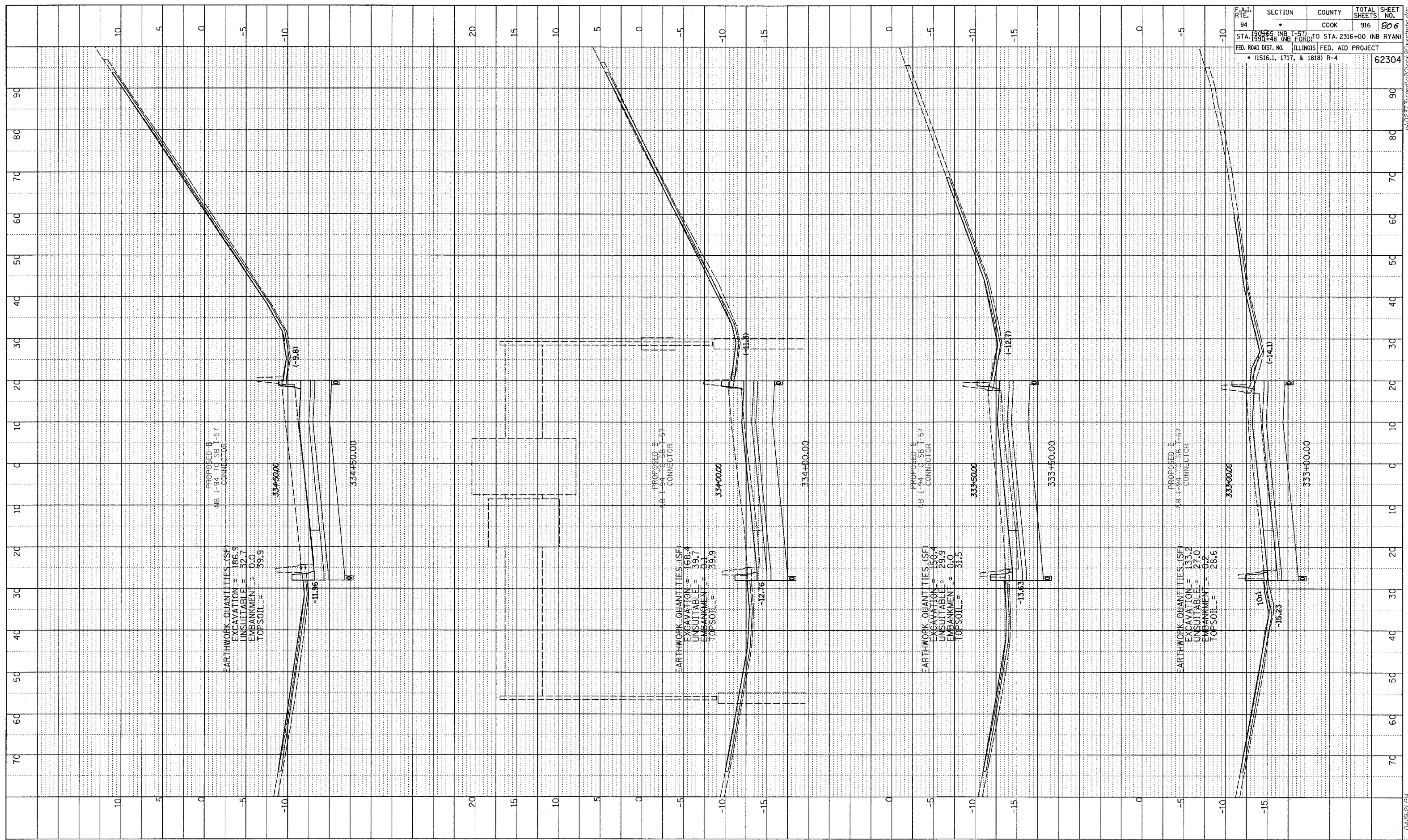


WB I-94 TO I-57 CONNECTOR
STA. 330+50 TO STA. 332+50

03/03/2006 04:19:21 PM

DATE	BY
PROFILE SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO.	
PLING DATE	NOTATION CHRD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	916	806
STA. 199+00 (NB I-57) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717, & 1818) R-4				
				62304



TYLIN INTERNATIONAL

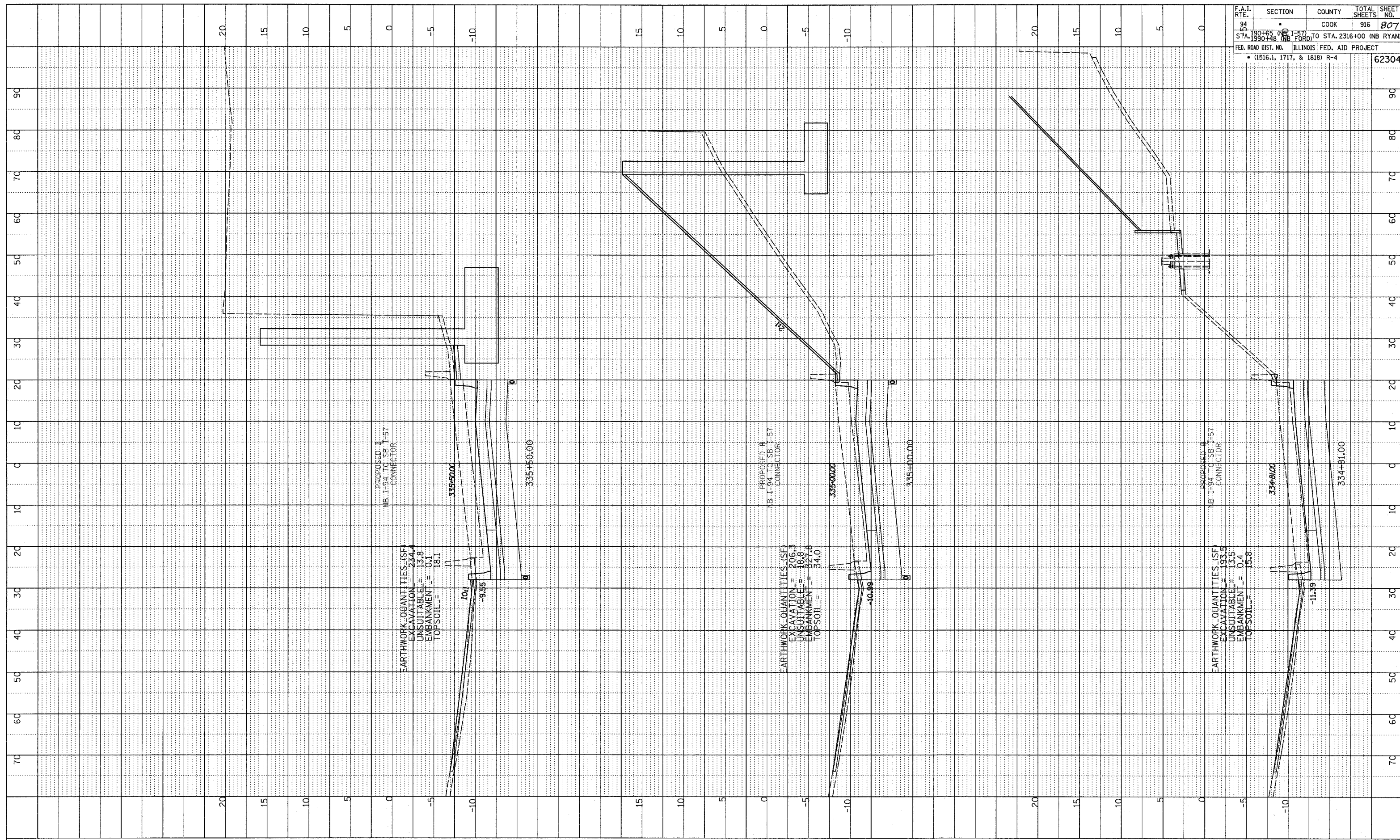


WB I-94 TO I-57 CONNECTOR
STA. 333+00 TO STA. 334+50

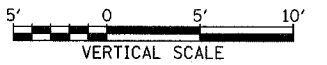
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PROFILE SURVEYED
 GRADES CHECKED
 NOTE BOOK
 DATE
 BY
 NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	150+65 (NB I-57) TO STA. 2316+00 (NB RYAN)	COOK	916	807
STA. 1990+88 (NB I-57) TO STA. 2316+00 (NB RYAN)	ILLINOIS FED. AID PROJECT			
FED. ROAD DIST. NO. (1516.1, 1717, & 1818) R-4				62304



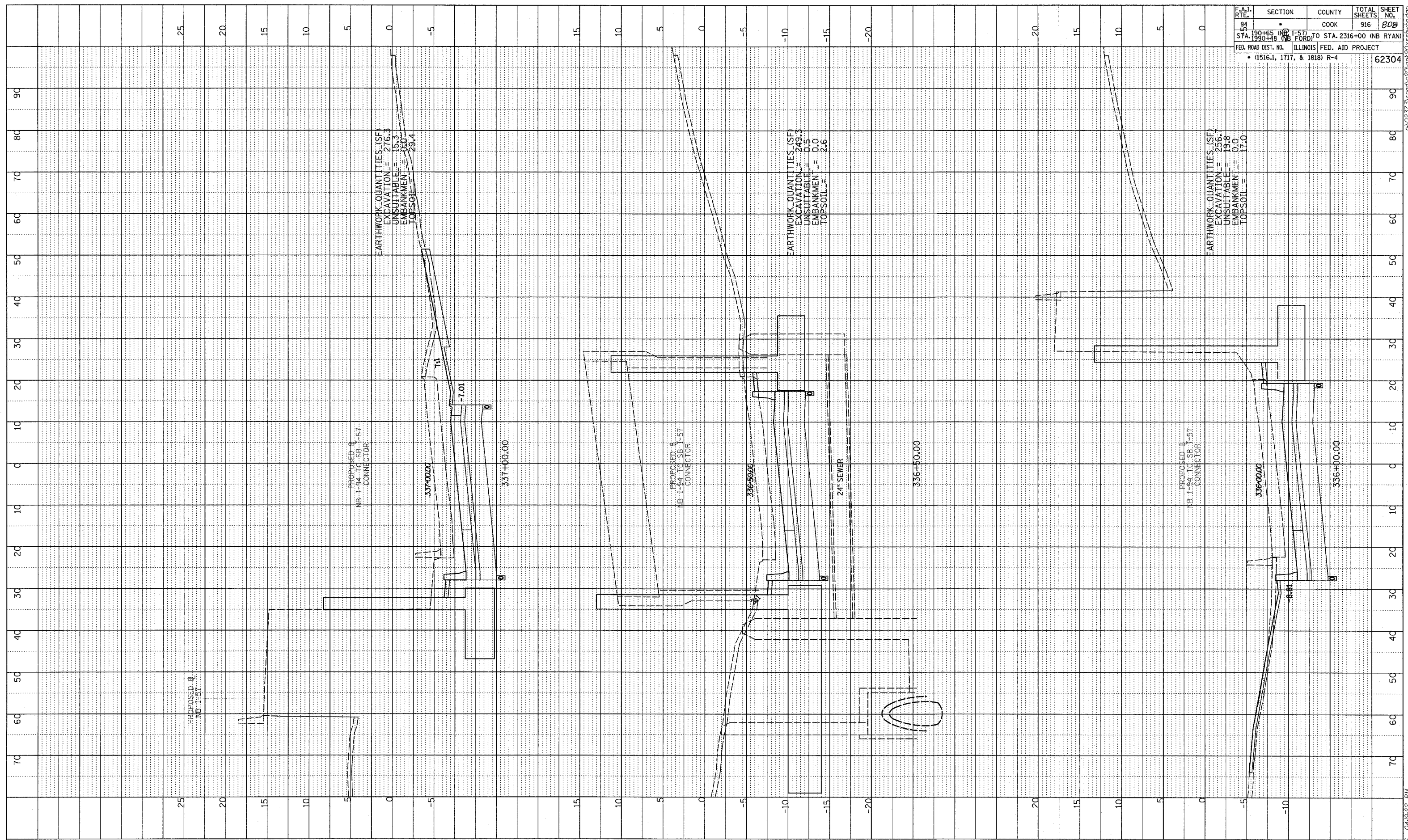
TYLIN INTERNATIONAL



WB I-94 TO I-57 CONNECTOR
 STA. 334+81 TO STA. 335+50

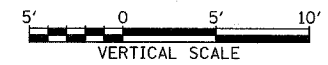
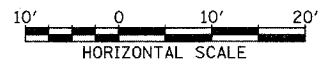
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PROFILE SURVEYED
 GRADES CHECKED
 B.M. NOTED
 STRUCTURE NOTATION CHNG
 NO. _____
 BY _____
 DATE _____



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)	COOK	916	808
94	190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)	ILLINOIS	FED. AID PROJECT	62304
• (1516.1, 1717, & 1818) R-4				

TYLIN INTERNATIONAL

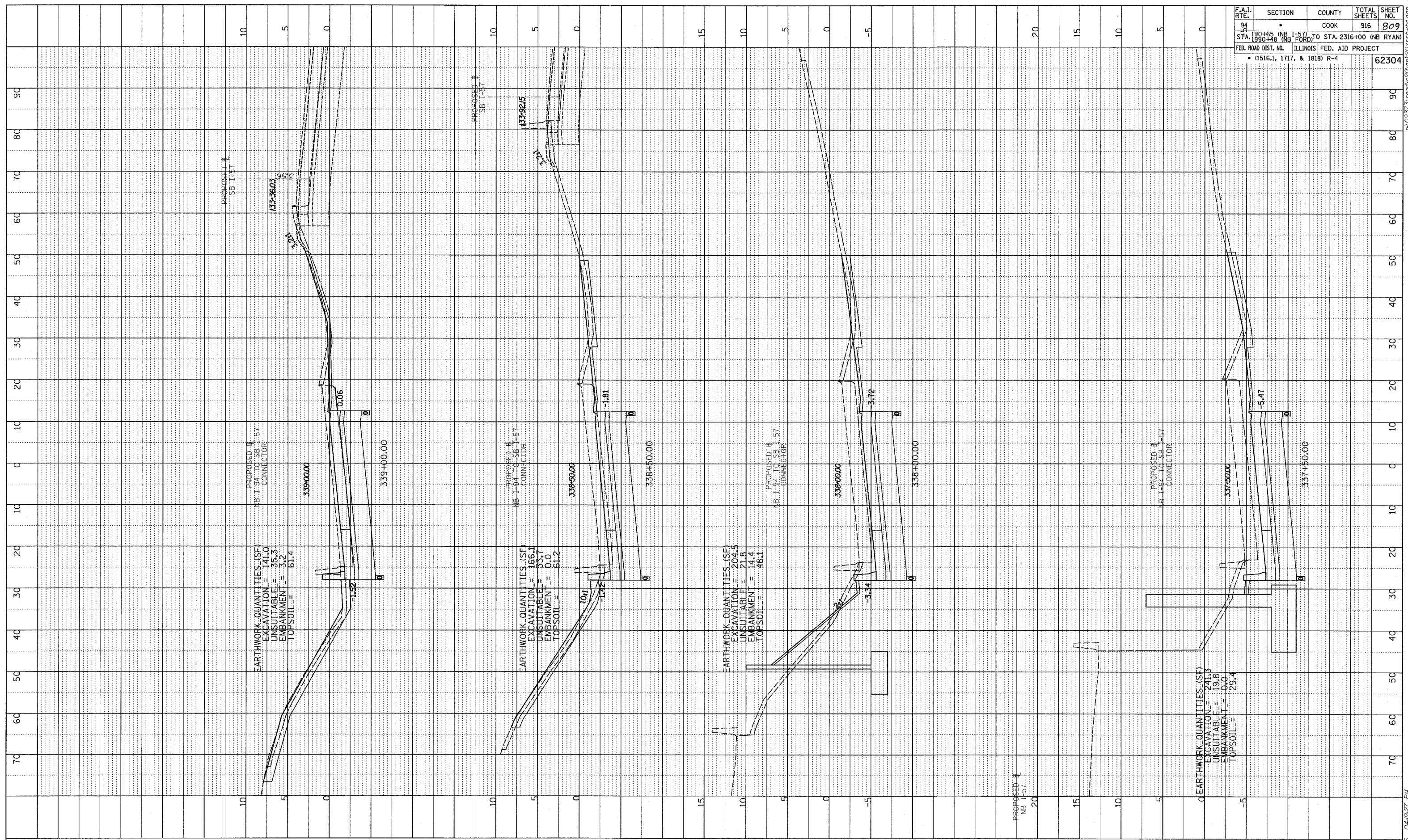


WB I-94 TO I-57 CONNECTOR
 STA. 336+00 TO STA. 337+00

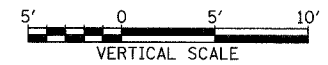
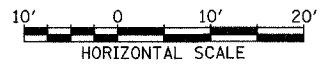
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PROFILE SURVEYED BY: _____ DATE: _____
 GRADES CHECKED BY: _____
 B.M. NOTED NO. _____
 PILING DATE NOTATIONS (P/R) _____

F.A.I. RTE. 54	SECTION *	COUNTY COOK	TOTAL SHEETS 916	SHEET NO. 809
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. (1516.1, 1717, & 1818) R-4		62304		



TYLIN INTERNATIONAL

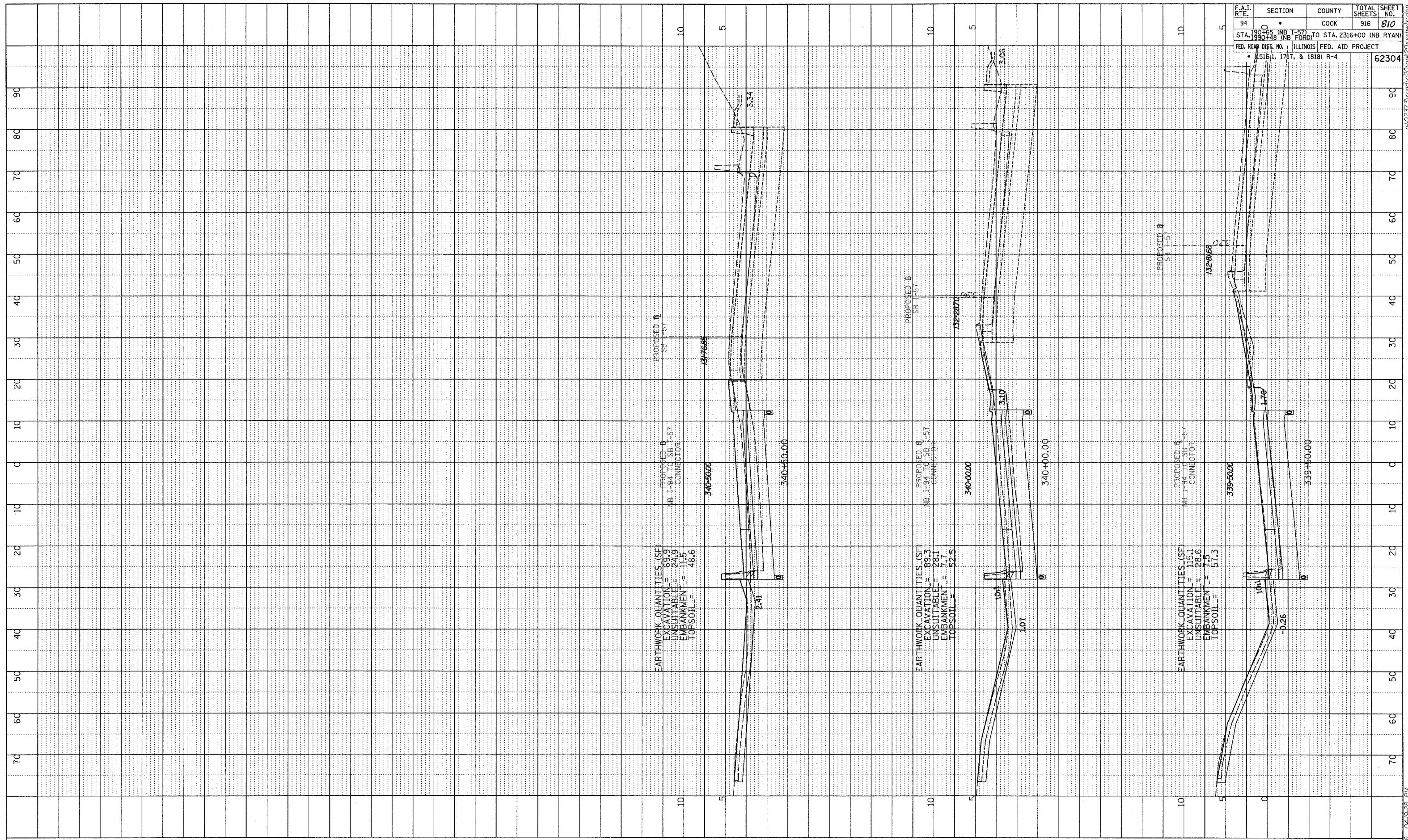


WB I-94 TO I-57 CONNECTOR
STA. 337+50 TO STA. 339+00

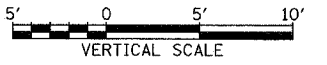
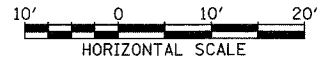
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PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	S.I.M. NOTED	
	STRUCTURE NOTATIONS DRYD	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)	COOK	916	810
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
• 15151, 1747, & 1818) R-4				
				62304



TYLIN INTERNATIONAL

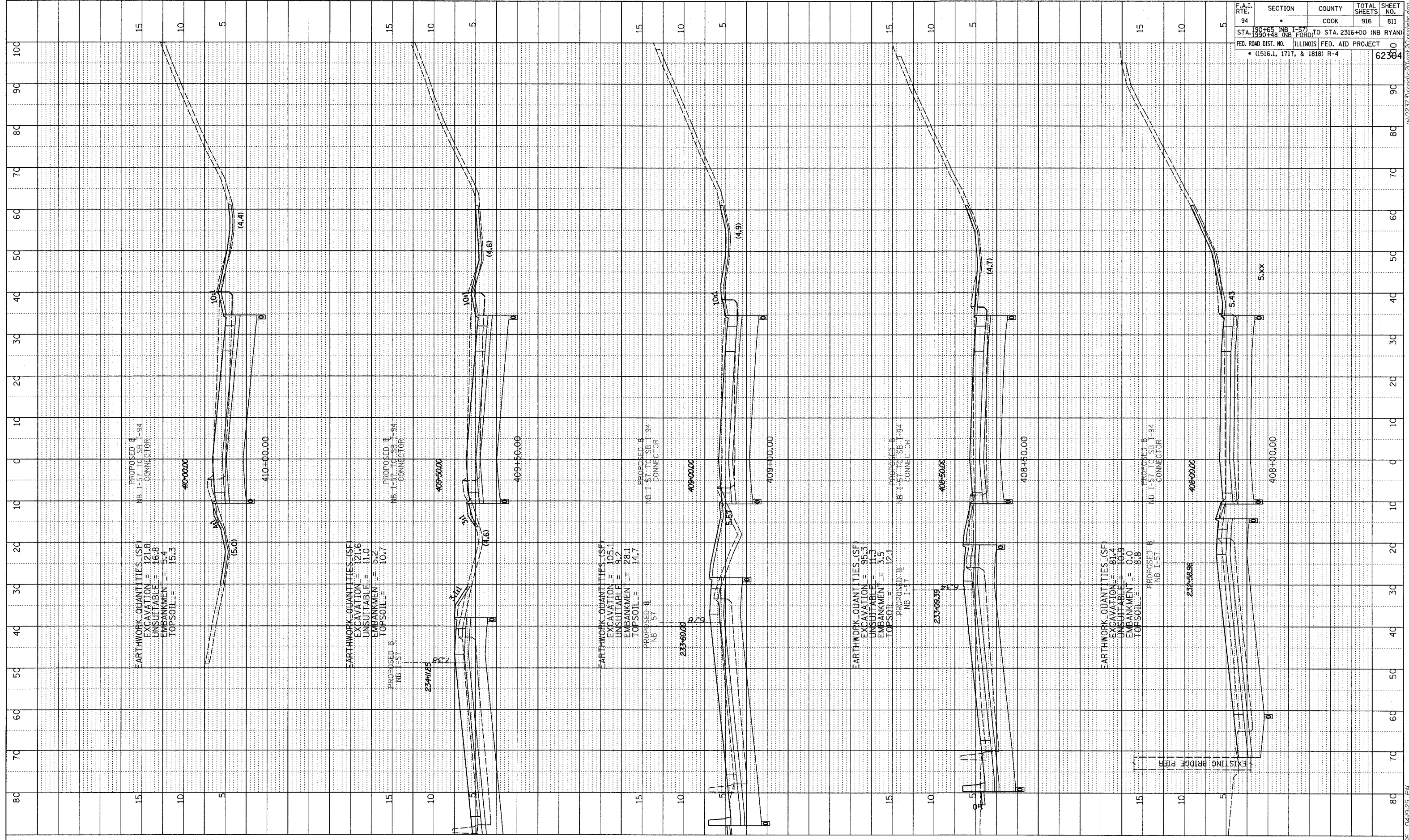


WB I-94 TO I-57 CONNECTOR
 STA. 339+50 TO STA. 340+50

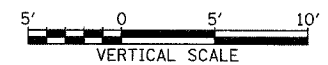
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PROFILE SURVEYED BY: _____ DATE: _____
 GRADES CHECKED BY: _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATION: _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	916	811
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN) STA. 190+48 (NB FORD)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT • (1516.1, 1717, & 1818) R-4				
				62384



TYLIN INTERNATIONAL

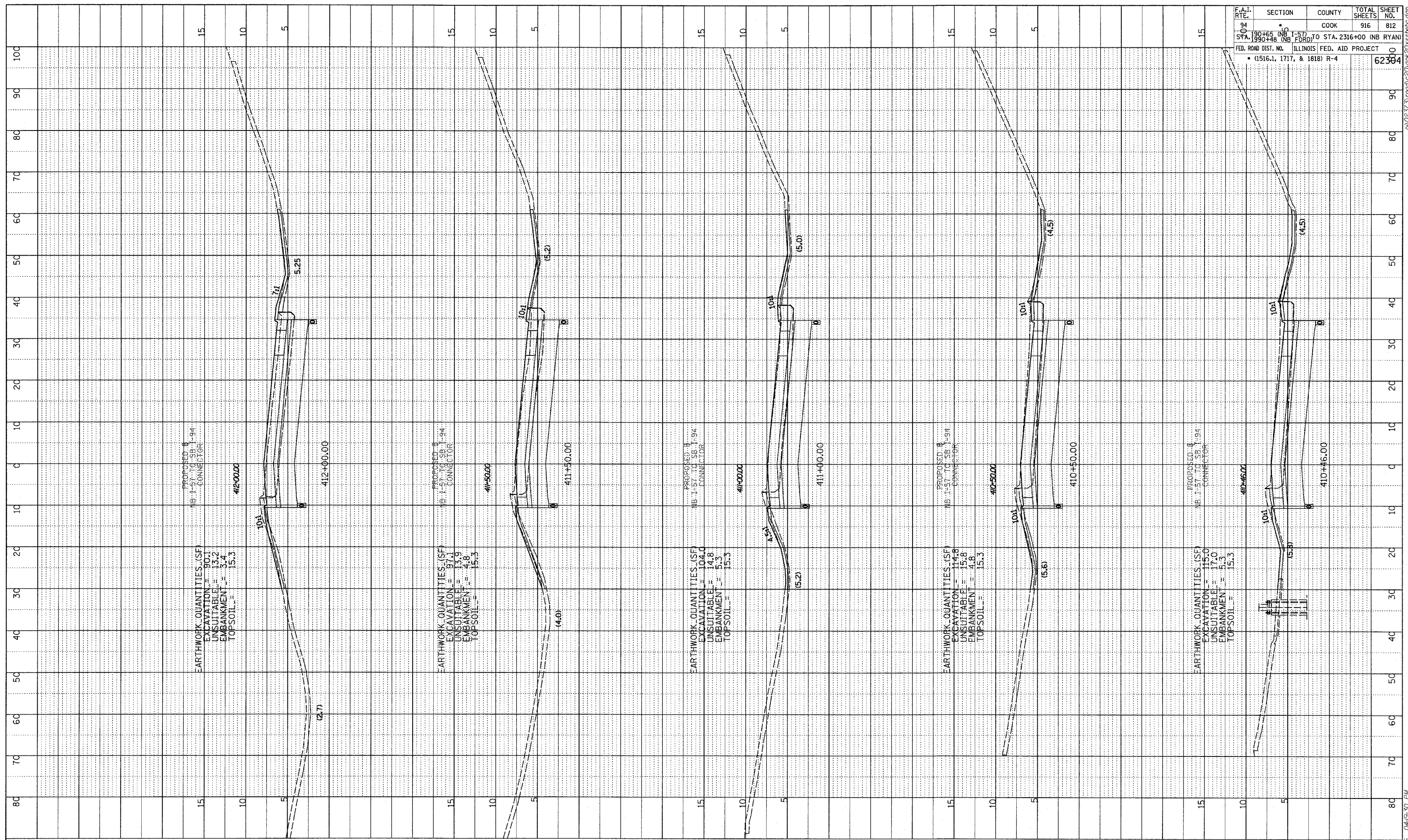


EB I-57 TO I-94 CONNECTOR
STA. 408+00 TO STA. 410+00

03/03/2006 04:09:29 PM

DATE	BY
PROFILE	SURVEYED
	GRADES CHECKED
	BLM. NOTED
	STRUCTURE NOTATIONS CHKD
	NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	16	COOK	916	812
STA. 190+46 (NB I-57) TO STA. 2316+00 (NB RYAN)		ILLINOIS FED. AID PROJECT		
• (1516.1, 1717, & 1818) R-4		62384		



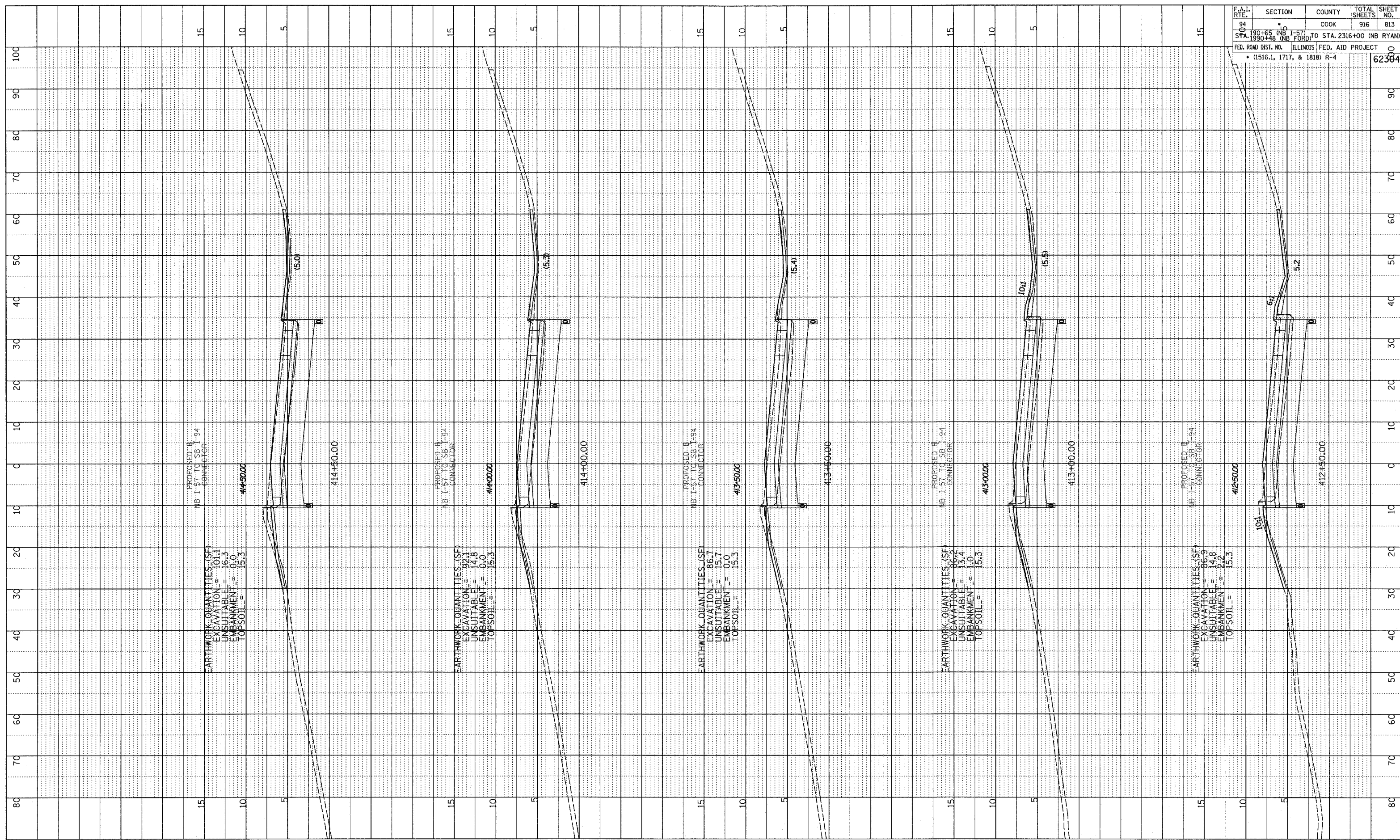
TYLIN INTERNATIONAL



EB I-57 TO I-94 CONNECTOR
 STA. 410+46 TO STA. 412+00

03/03/2006 04:30 PM

PROFILE SURVEYED BY
 GRADES CHECKED
 NOTE BOOK NO.
 DATE
 STRUCTURE IDENTIFYING SYMBOL NO.



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)	COOK	916	813
	STA. 190+48 (NB I-57) TO STA. 2316+00 (NB RYAN)			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				62380
• (1516.1, 1717, & 1818) R-4				

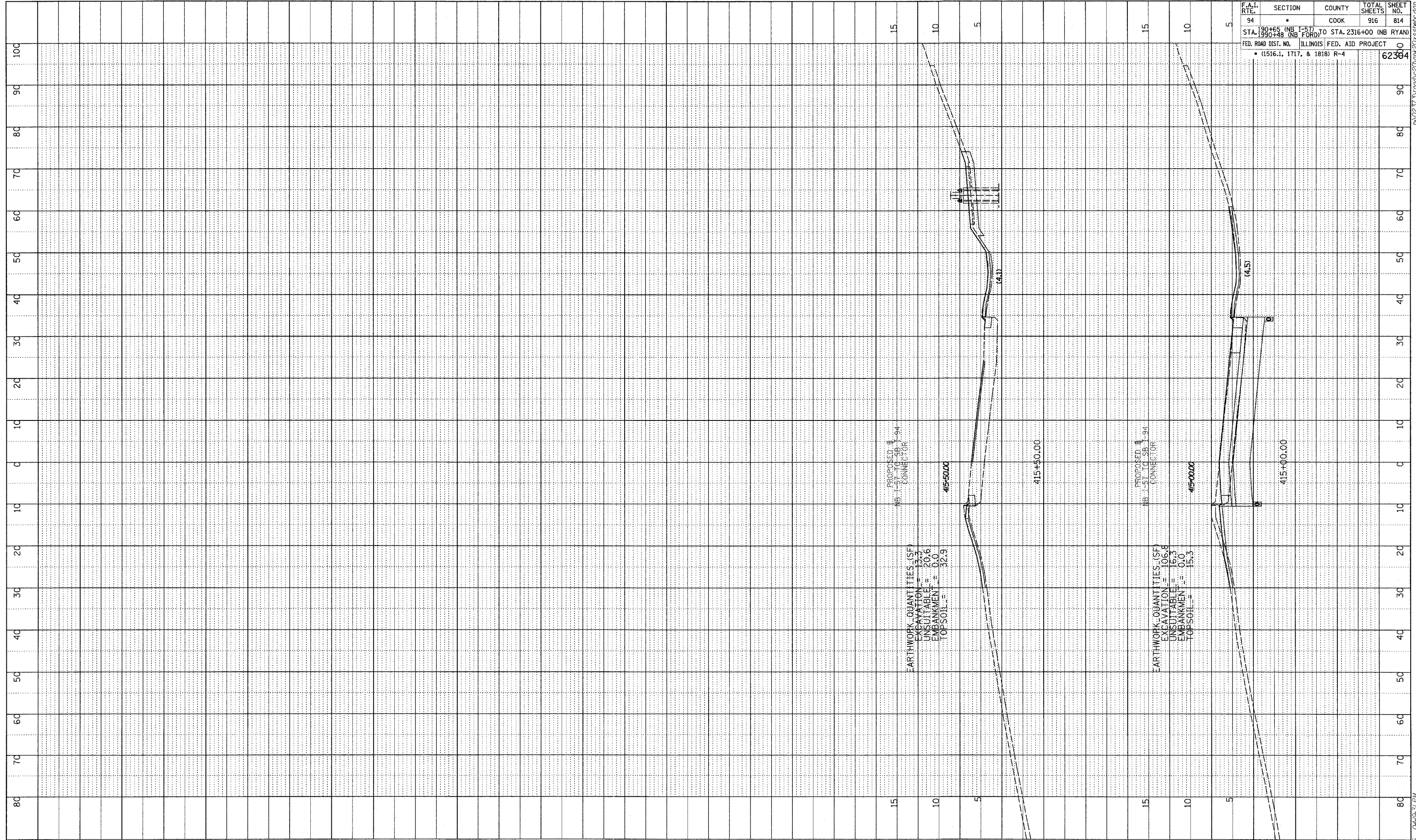
TYLIN INTERNATIONAL



EB I-57 TO I-94 CONNECTOR
 STA. 412+50 TO STA. 414+50

03/03/2006 04:49:30 PM

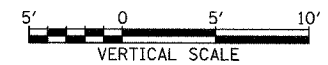
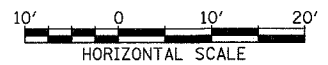
PROFILE SURVEYED _____ BY _____ DATE _____
 NOTE BOOK _____
 NO. _____
 STRUCTURE NOTATIONS CHECKED _____



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	916	814

STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)
 STA. 1990+48 (NB FORD)
 ILLINOIS FED. AID PROJECT
 • (1516.1, 1717, & 1818) R-4

TYLIN INTERNATIONAL



EB I-57 TO I-94 CONNECTOR
 STA. 415+00 TO STA. 415+50

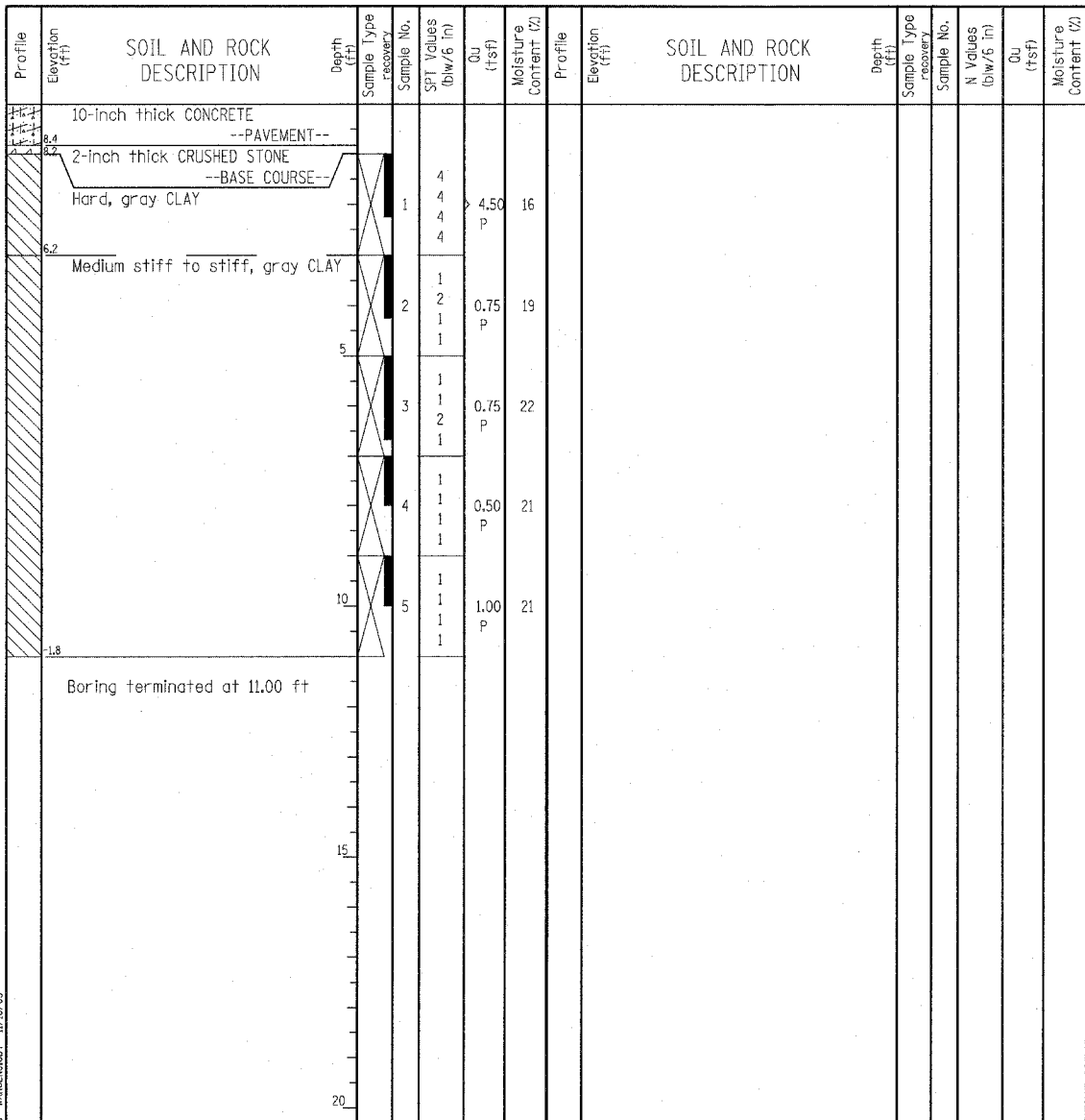
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BORING LOG P-001 Page 1 of 1

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

WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: 9.20 ft
North: 1840471.54 ft
East: 1177966.20 ft
Station: 2036+71.28
Offset: 34.78' RT



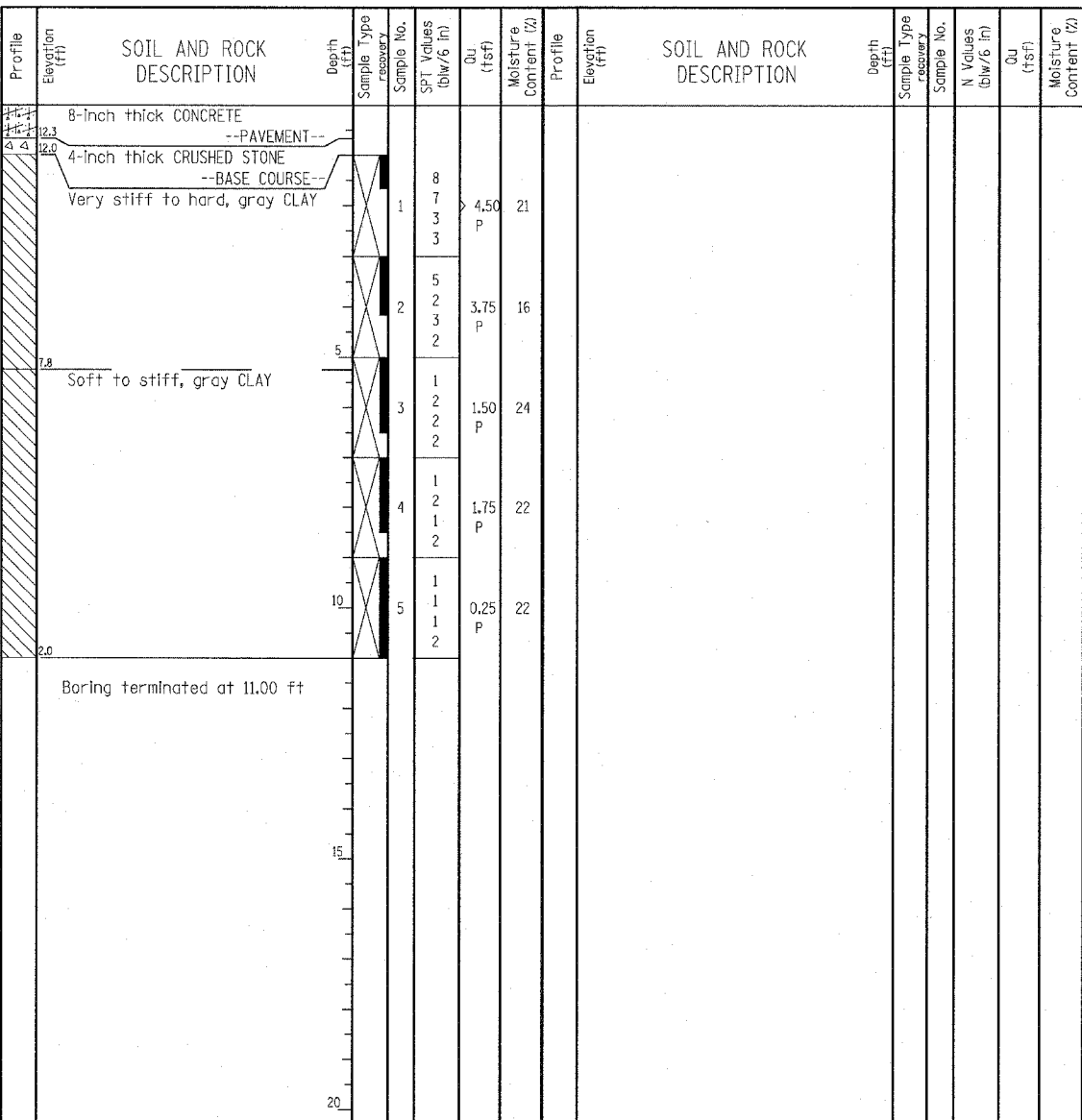
GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	K&J	Logger	Y. Shiu	Time After Drilling	NA
Checked by	MLS	Depth to Water	∇ NA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion.					

BORING LOG P-002 Page 1 of 1

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

WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: 13.01 ft
North: 1840767.19 ft
East: 1177915.45 ft
Station: 2039+75.90
Offset: 22.44' RT



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	K&J	Logger	Y. Shiu	Time After Drilling	NA
Checked by	MLS	Depth to Water	∇ NA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	
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-001 & P-002

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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

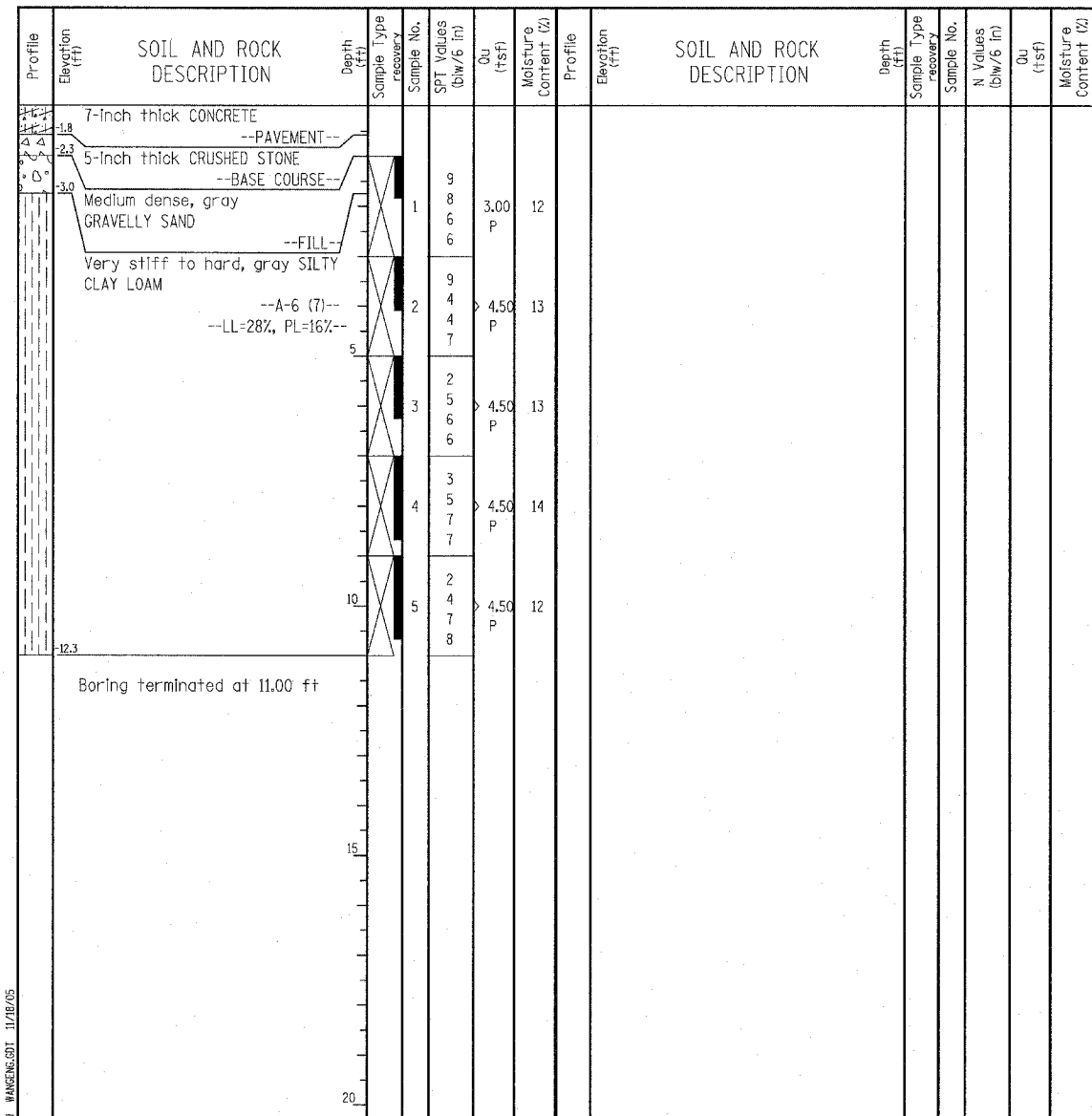
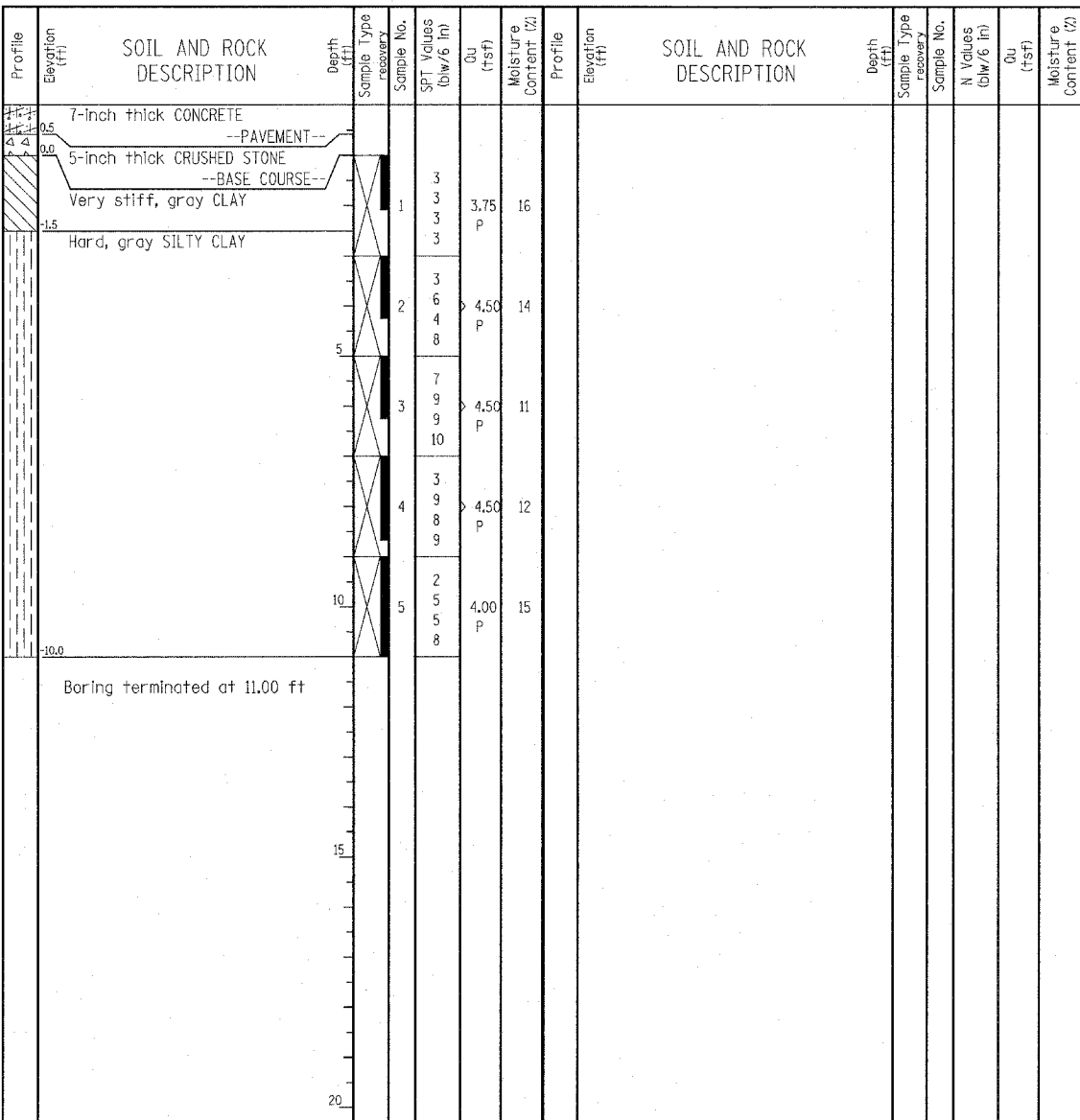
BORING LOG P-005
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.04 ft
 North: 1841664.75 ft
 East: 1177886.69 ft
 Station: 2202+95.85
 Offset: 55.76' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 P-008
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -1.26 ft
 North: 1842482.52 ft
 East: 1177863.95 ft
 Station: 2211+13.93
 Offset: 56.44' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY	
Driller	K&J	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	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY	
Driller	K&J	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-005 & P-008

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

W 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 P-009
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 0.24 ft
North: 1842782.14 ft
East: 1177855.69 ft
Station: 2214+13.66
Offset: 56.76' RT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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 (%)
0.0	7-inch thick CONCRETE --PAVEMENT--														
0.4	5-inch thick CRUSHED STONE --BASE COURSE--														
0.8	Medium dense, gray GRAVELLY SAND --FILL--	1		1	10	1.50	19								
1.5	Stiff, gray CLAY with gravel	2		2	6		14								
2.5	Loose, brown and gray SANDY LOAM	3		3	5		16								
5.0	Medium dense, gray SILT	4		4	7		18								
7.5	Medium dense, gray, coarse SAND	5		5	9		11								
9.0	Hard, gray SILTY CLAY	6		6	8										
10.8	Boring terminated at 11.00 ft	10		10	10	4.50									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	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-010
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 2.04 ft
North: 1843013.15 ft
East: 1177849.09 ft
Station: 2216+44.77
Offset: 56.77' RT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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 (%)
0.0	2-inch thick, loose ASPHALT debris --PAVEMENT--														
0.3	Loose, brown and black, coarse SAND --FILL--	1		1	4	2.75	15								
1.2	Very stiff, gray CLAY --FILL--	2		2	3		18								
2.0	Brown, coarse SAND --FILL--	3		3	4	4.50									
3.0	Hard, gray SILTY CLAY	4		4	2		13								
4.5		5		5	9		13								
6.0		6		6	11		13								
7.5		7		7	11		13								
9.0		8		8	11		12								
10.8	Boring terminated at 11.00 ft	10		10	10	4.50									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-30-2003	Complete Drilling	06-30-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	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-009 & P-010

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

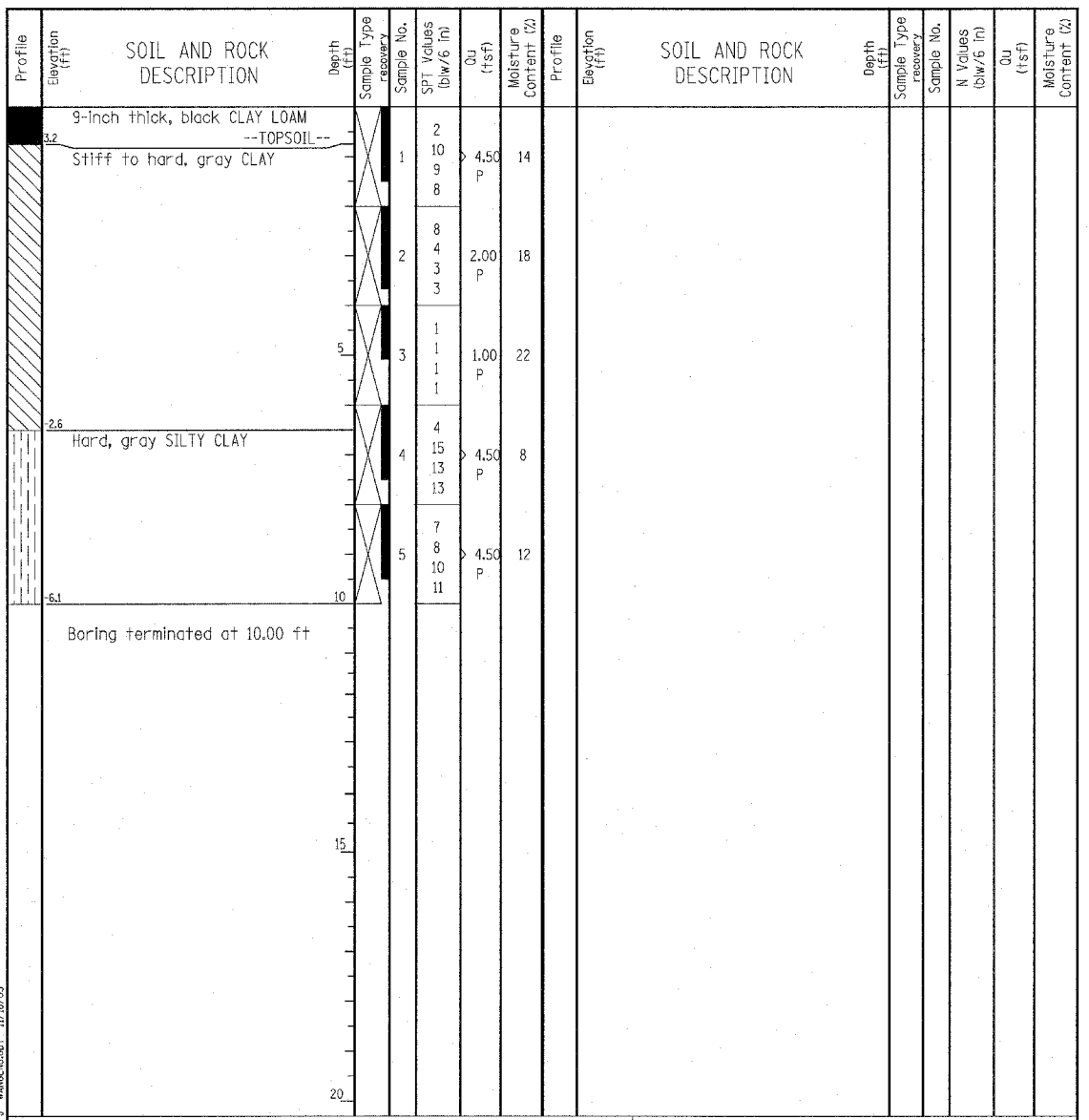
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BORING LOG P-011 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.92 ft
 North: 1843446.00 ft
 East: 1177852.86 ft
 Station: 2220+77.33
 Offset: 72.94' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shlu	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.

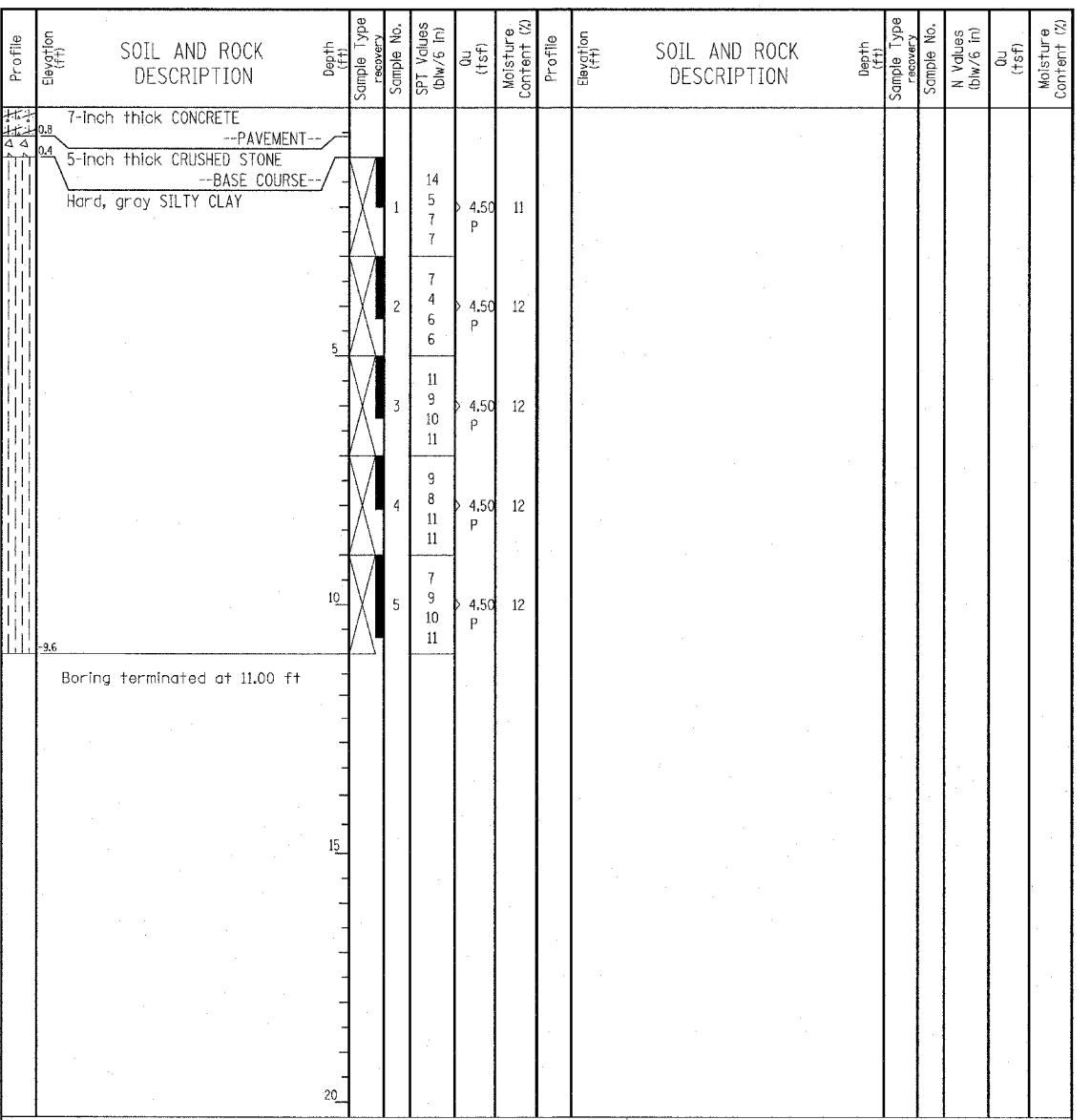
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BORING LOG P-012 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 1.40 ft
 North: 1843867.41 ft
 East: 1177837.95 ft
 Station: 2224+98.99
 Offset: 70.09' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shlu	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.

TYLIN INTERNATIONAL

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-011 & P-012

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-013 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: -0.97 ft
 North: 1844117.84 ft
 East: 1177820.71 ft
 Station: 2227+49.82
 Offset: 60.03' RT

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 (%)
1.6	7-inch thick CONCRETE														
4.4	--PAVEMENT--														
2.0	5-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Hard, gray SILTY CLAY			1	4	4.50	13								
				4	8	P									
				7											
				2	7	4.50	11								
				9	9	P									
				9											
				3	9	4.50	11								
				10	10	P									
				10											
				4	7	4.50	11								
				9	12	P									
				12											
				5	9	4.50	11								
				12	12	P									
				16											
-12.0	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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	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-014 Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: -3.20 ft
 North: 1844370.27 ft
 East: 1177810.55 ft
 Station: 2230+02.43
 Offset: 57.09' RT

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 (%)
1.6	7-inch thick CONCRETE														
4.4	--PAVEMENT--														
3.8	5-inch thick CRUSHED STONE														
4.2	--BASE COURSE--														
	Medium dense, brown to gray, coarse SAND			1	12	NP	3								
	--FILL--			10	9										
				9											
				16	11	4.50	17								
				11	6	P									
				6											
	Hard, gray SILTY CLAY			2	11	4.50	13								
				7	9	P									
				11											
				3	9	4.50	11								
				9	12	P									
				12											
				4	14	4.50	11								
				14											
				5	15	4.50	14								
				11	11	P									
				11											
-14.2	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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	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-015
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -5.74 ft
 North: 1844607.00 ft
 East: 1177807.24 ft
 Station: 2232+39.16
 Offset: 60.56' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
6.3	7-inch thick CONCRETE						
6.1	5-inch thick CRUSHED STONE						
7.5	Medium dense, brown, coarse SAND	1		8	4.00	5	
	Hard, gray SILTY CLAY	2		6	4.50	12	
		3		9	4.50	11	
		4		12	4.50	11	
		5		13	4.50	12	
16.7	Boring terminated at 11.00 ft						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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				

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BORING LOG P-016
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -6.71 ft
 North: 1844913.28 ft
 East: 1177794.12 ft
 Station: 2235+45.70
 Offset: 56.22' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
7.3	7-inch thick CONCRETE						
7.1	5-inch thick CRUSHED STONE						
	Hard, gray SILTY CLAY	1		5	4.50	12	
		2		5	4.50	12	
		3		7	4.50	13	
		4		6	4.50	13	
		5		7	4.50	13	
17.7	Boring terminated at 11.00 ft						

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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				

LEGEND

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

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
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 SOIL BORINGS P-015 & P-016

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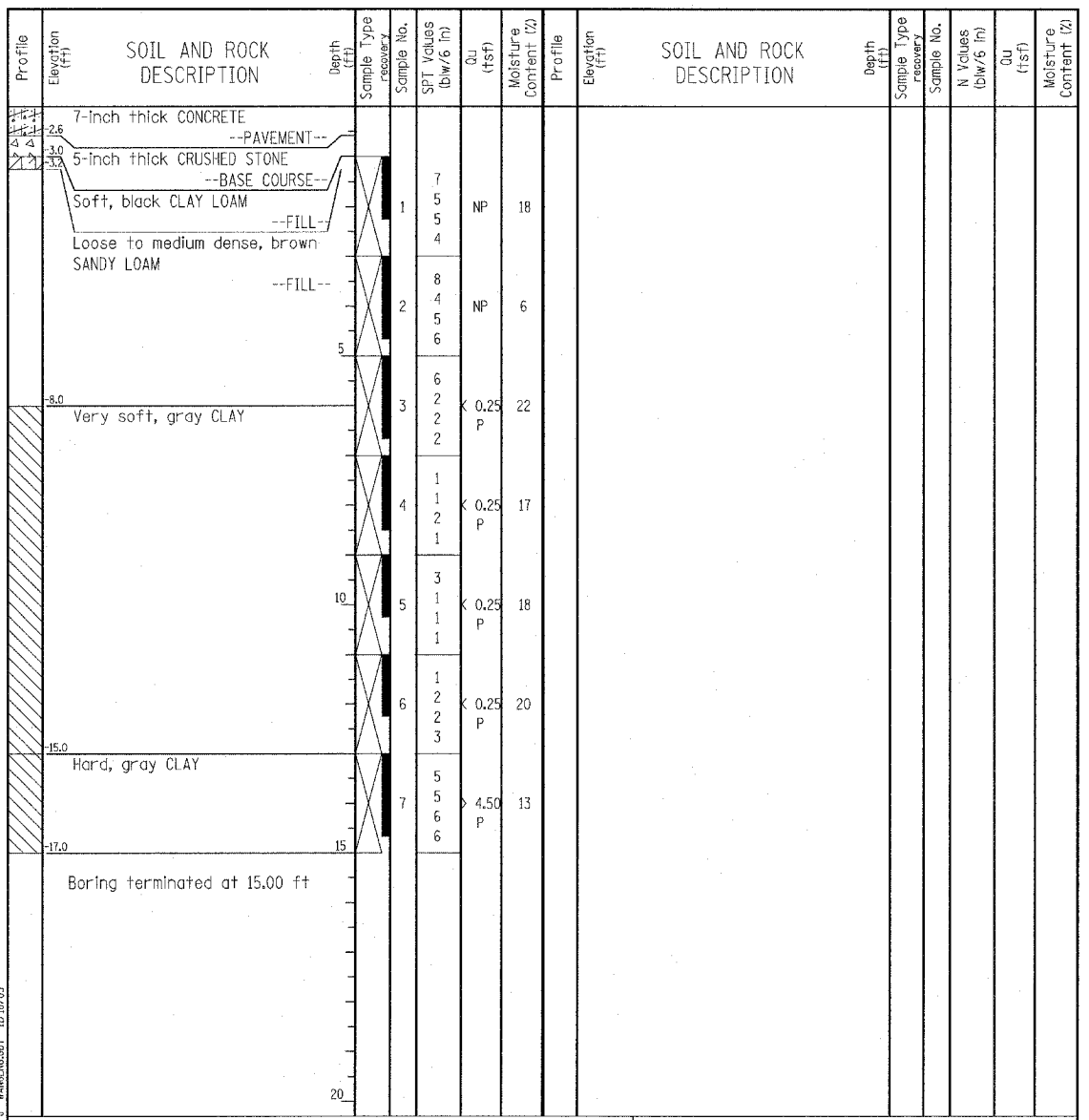
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BORING LOG P-017 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.99 ft
 North: 1845256.17 ft
 East: 1177785.74 ft
 Station: 2238+88.69
 Offset: 57.65' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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.			

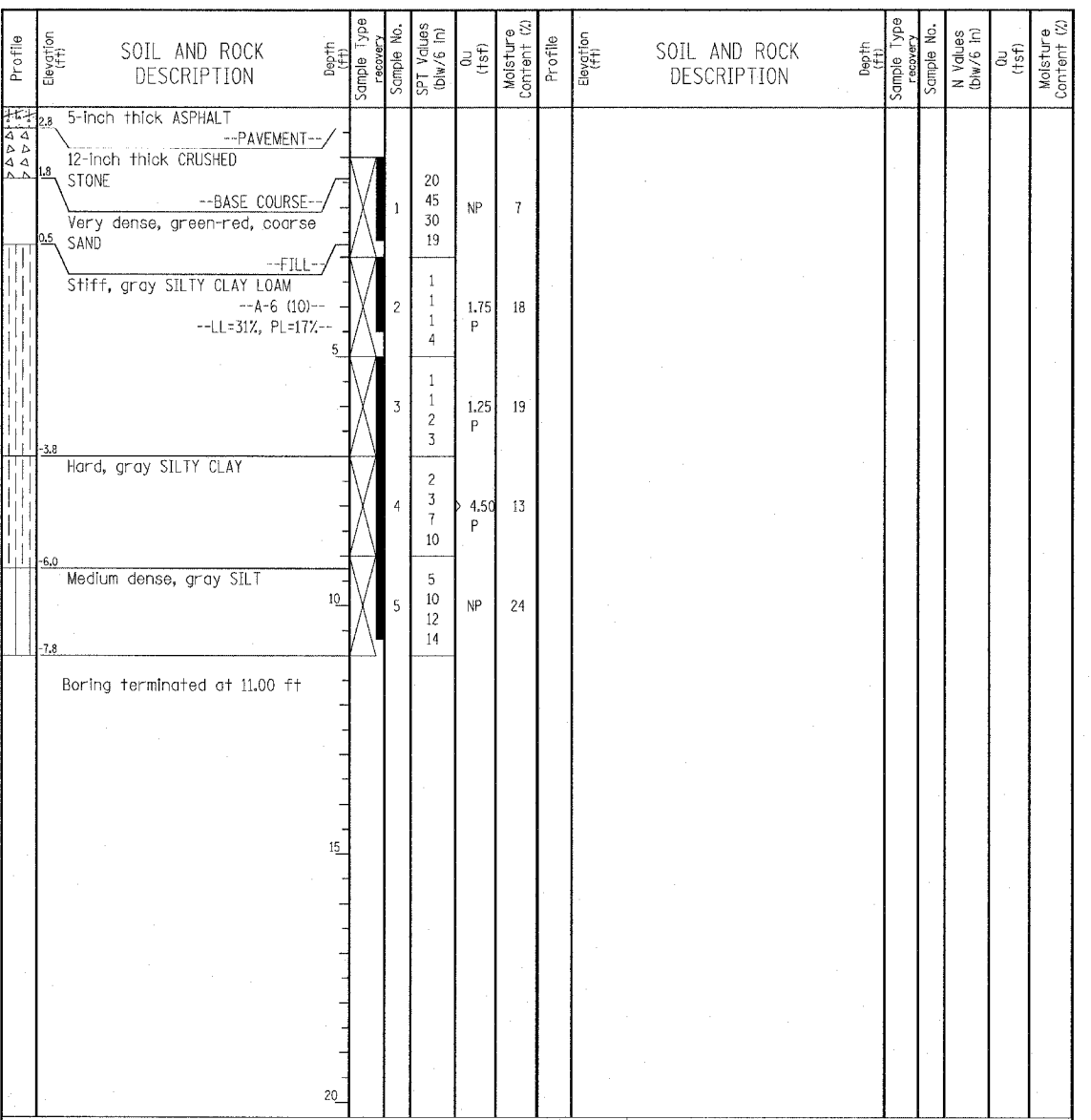
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BORING LOG P-018 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.22 ft
 North: 1845815.36 ft
 East: 1177771.03 ft
 Station: 2244+48.07
 Offset: 58.96' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	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

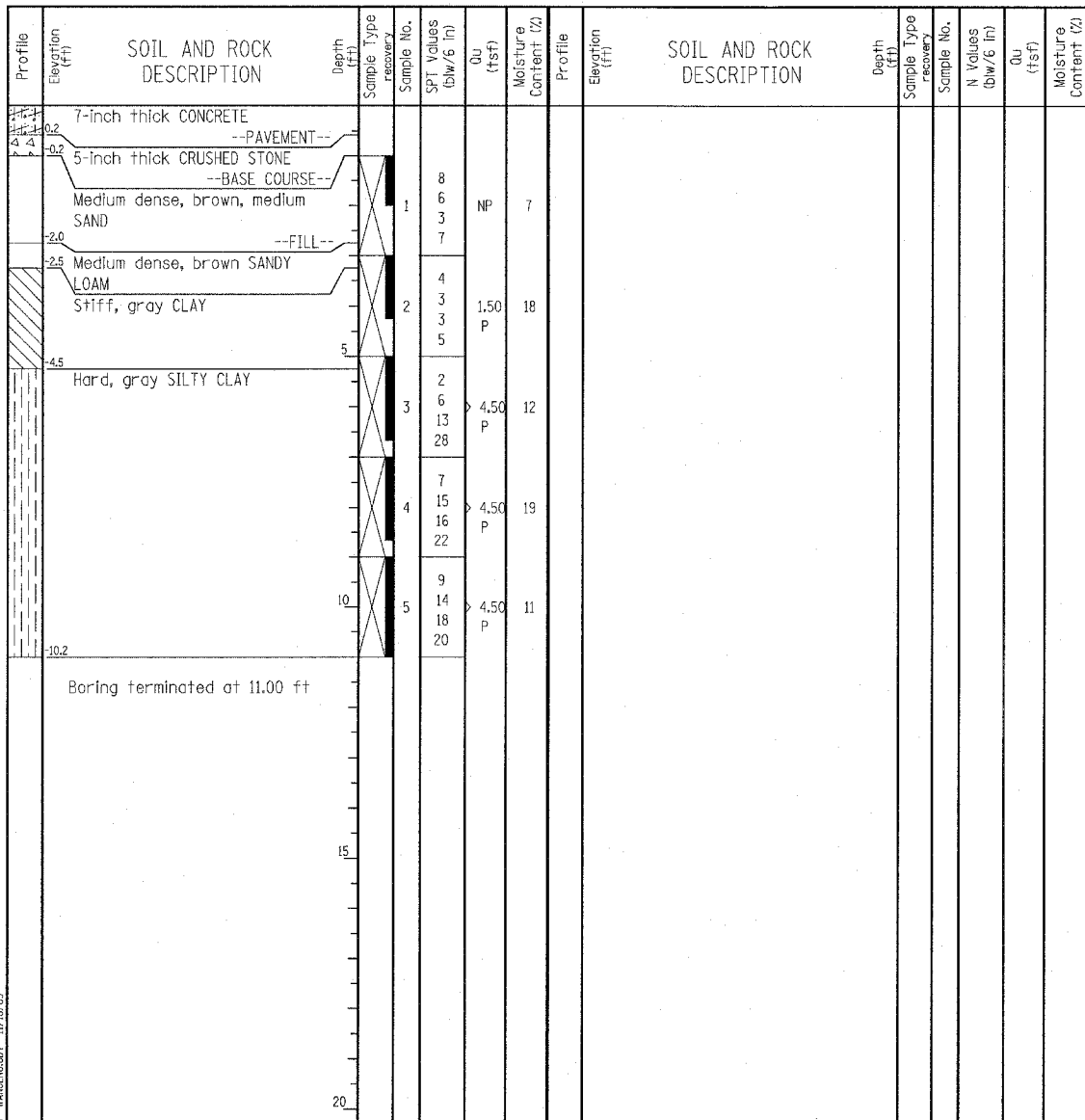
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-017 & P-018

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 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-019 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 0.80 ft
 North: 1846058.89 ft
 East: 1177762.94 ft
 Station: 2246+91.72
 Offset: 57.84' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

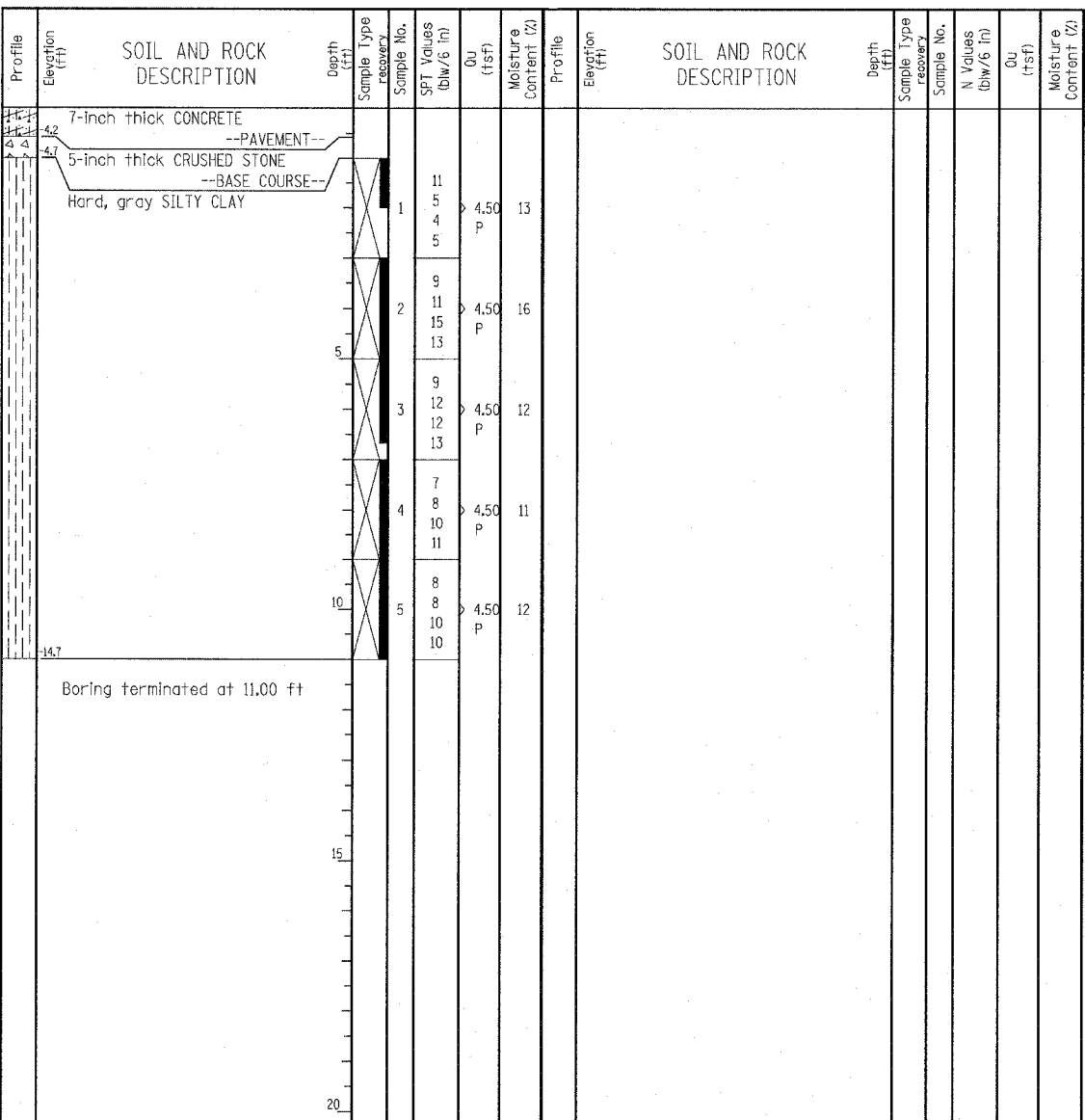


GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	While Drilling	☑ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑ DRY
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with 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-020 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -3.65 ft
 North: 1846313.20 ft
 East: 1177756.03 ft
 Station: 2249+46.13
 Offset: 58.22' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	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-019 & P-020

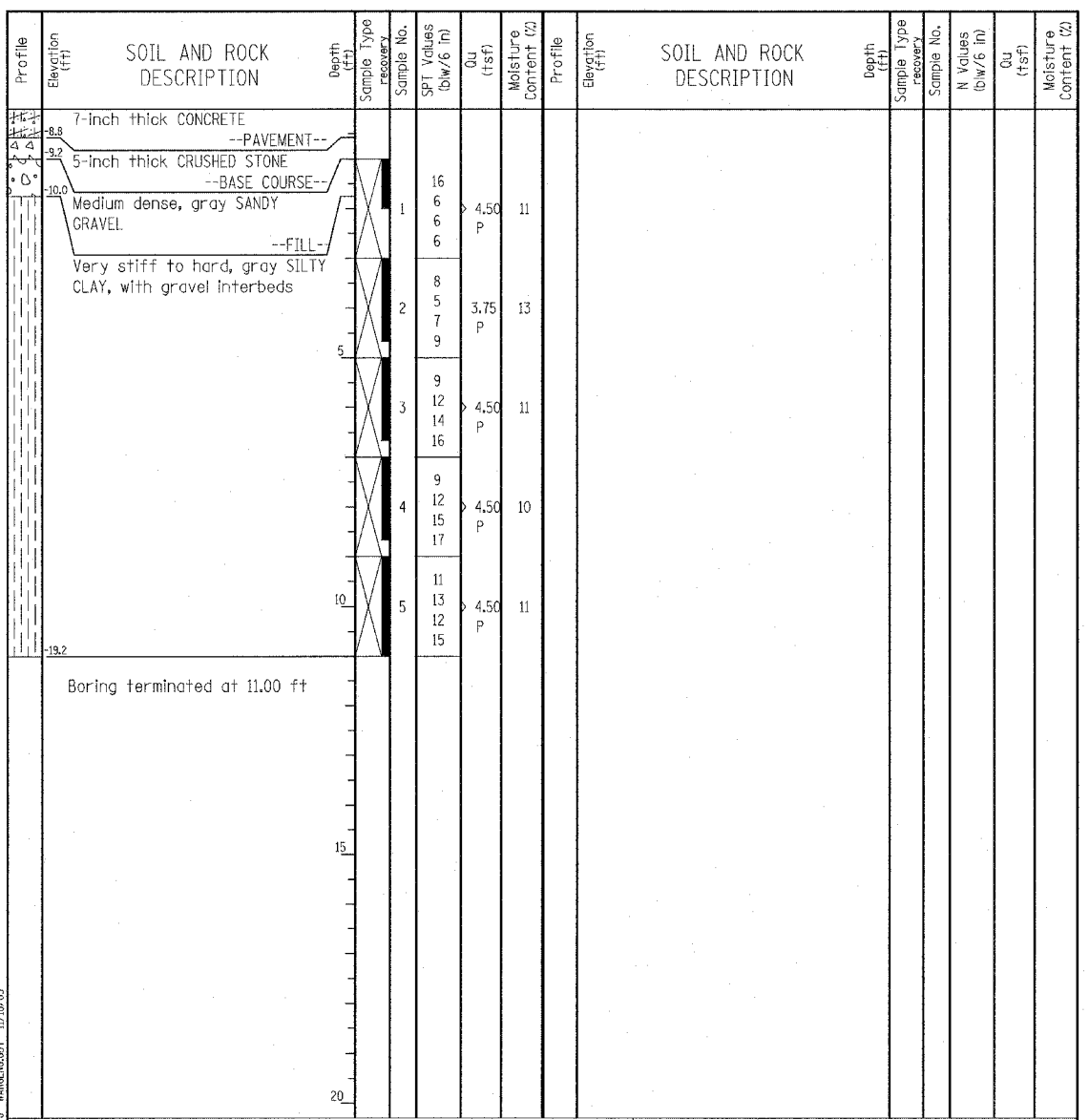
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 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-021 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.24 ft
 North: 1846559.18 ft
 East: 1177749.44 ft
 Station: 2251+92.20
 Offset: 58.66' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	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	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	NA

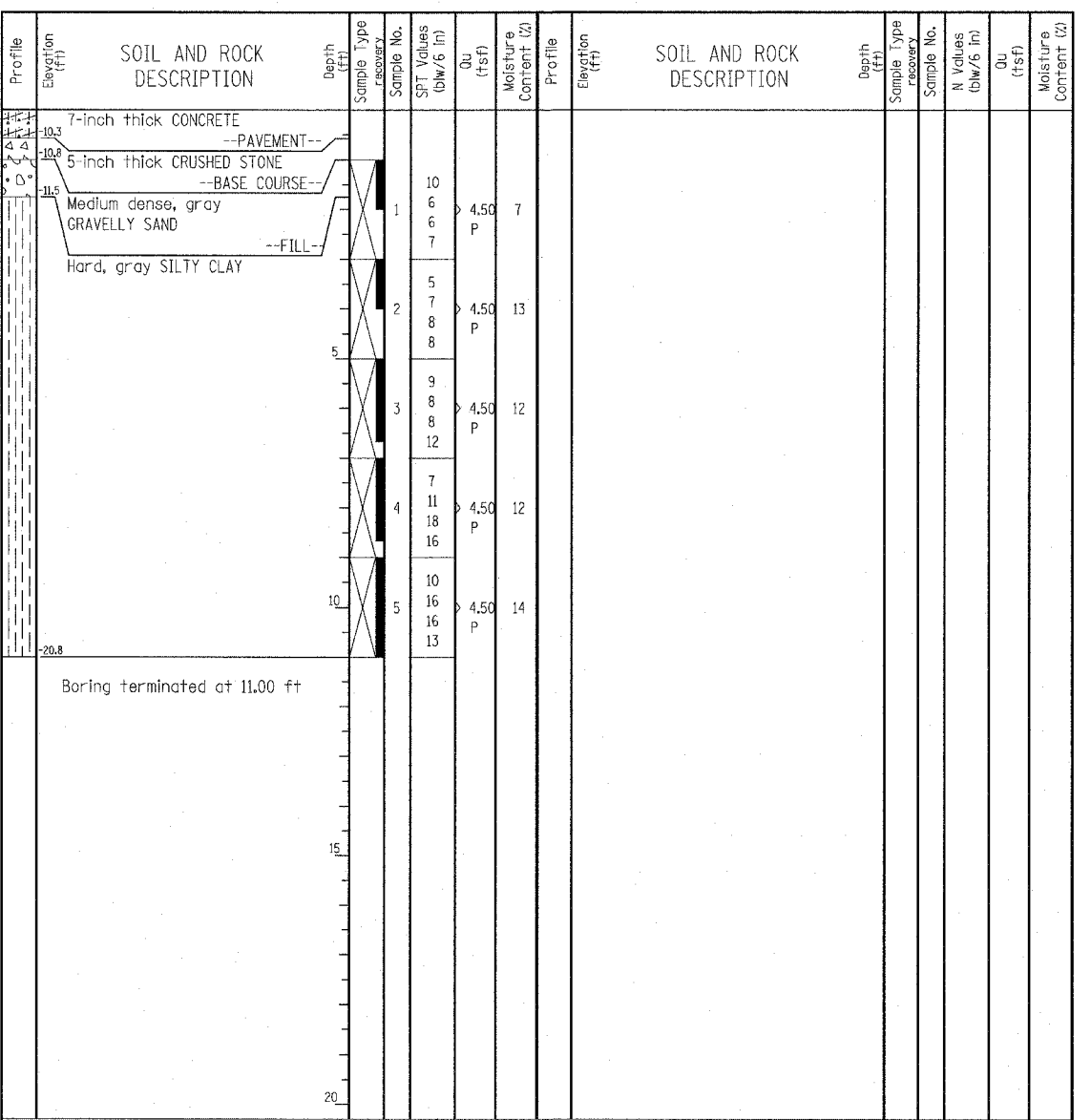
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BORING LOG P-022 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -9.76 ft
 North: 1846810.02 ft
 East: 1177742.52 ft
 Station: 2254+43.14
 Offset: 58.93' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	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	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

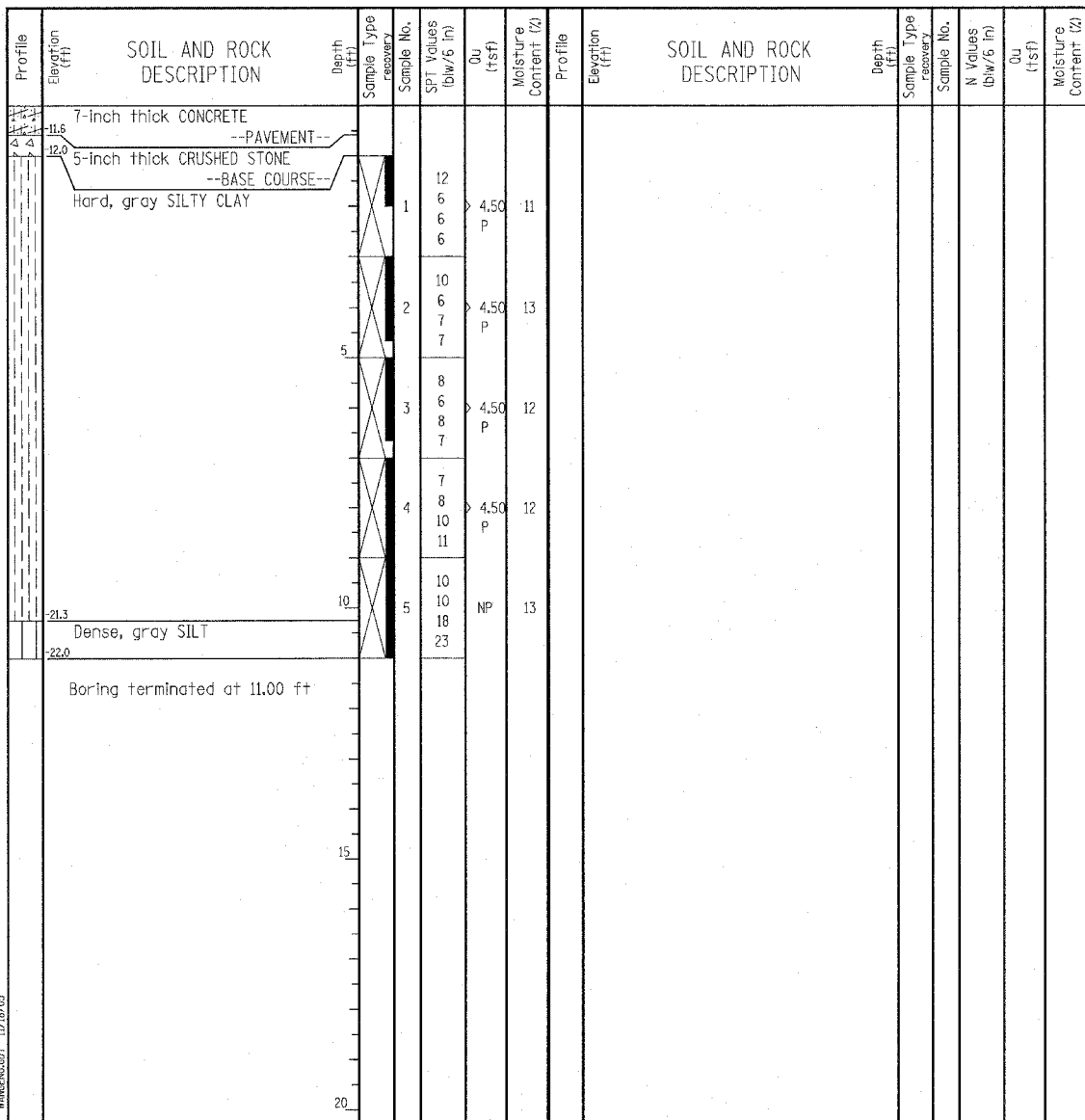
REVISIONS	
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BORING LOG P-023 Page 1 of 1

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WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: -11.04 ft
North: 1847150.73 ft
East: 1177730.80 ft
Station: 2257+84.04
Offset: 56.97' RT



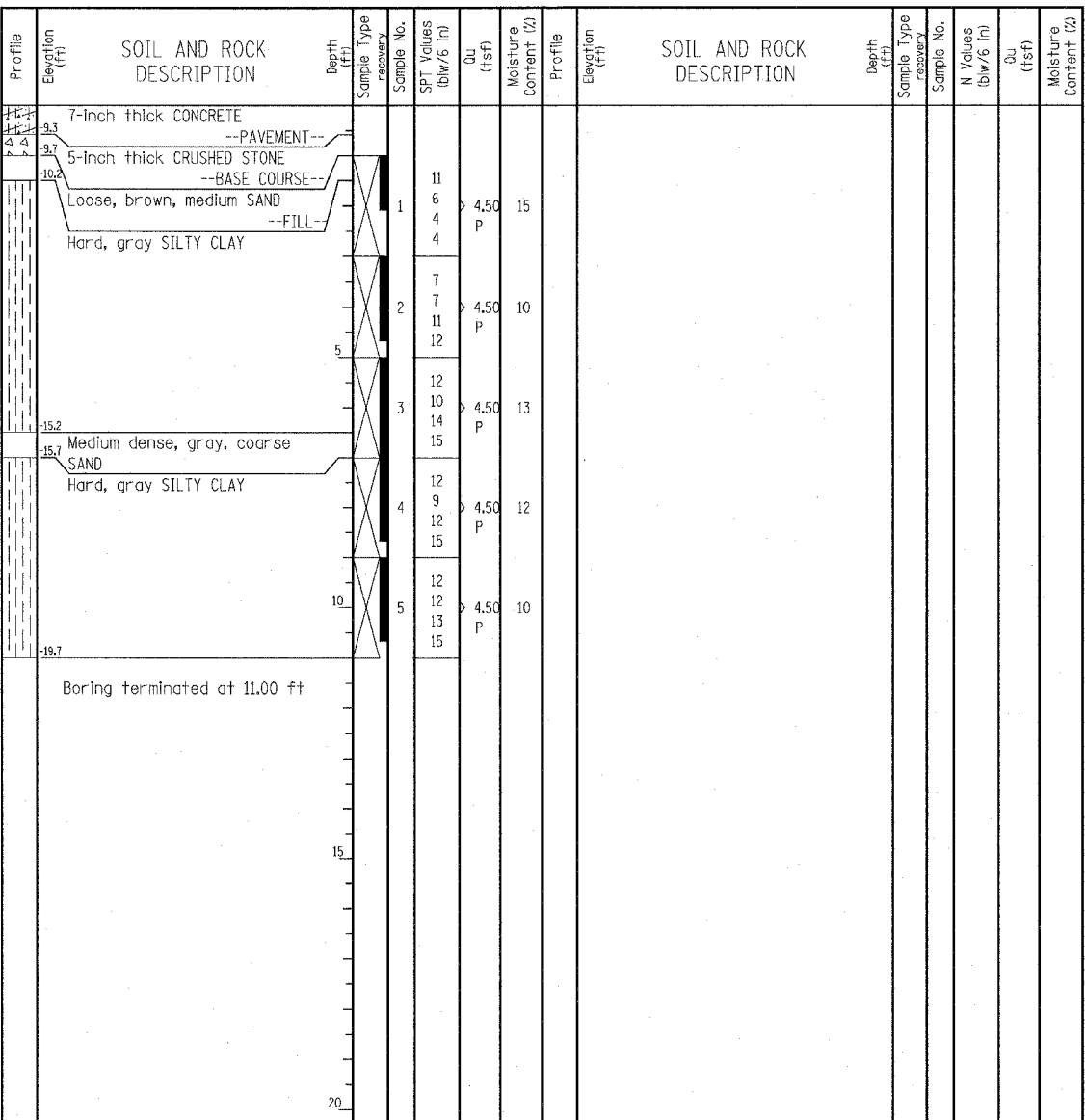
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	While Drilling	☒	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☒	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	☒	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

BORING LOG P-024 Page 1 of 1

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WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: -8.72 ft
North: 1847421.16 ft
East: 1177724.36 ft
Station: 2260+54.55
Offset: 58.27' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	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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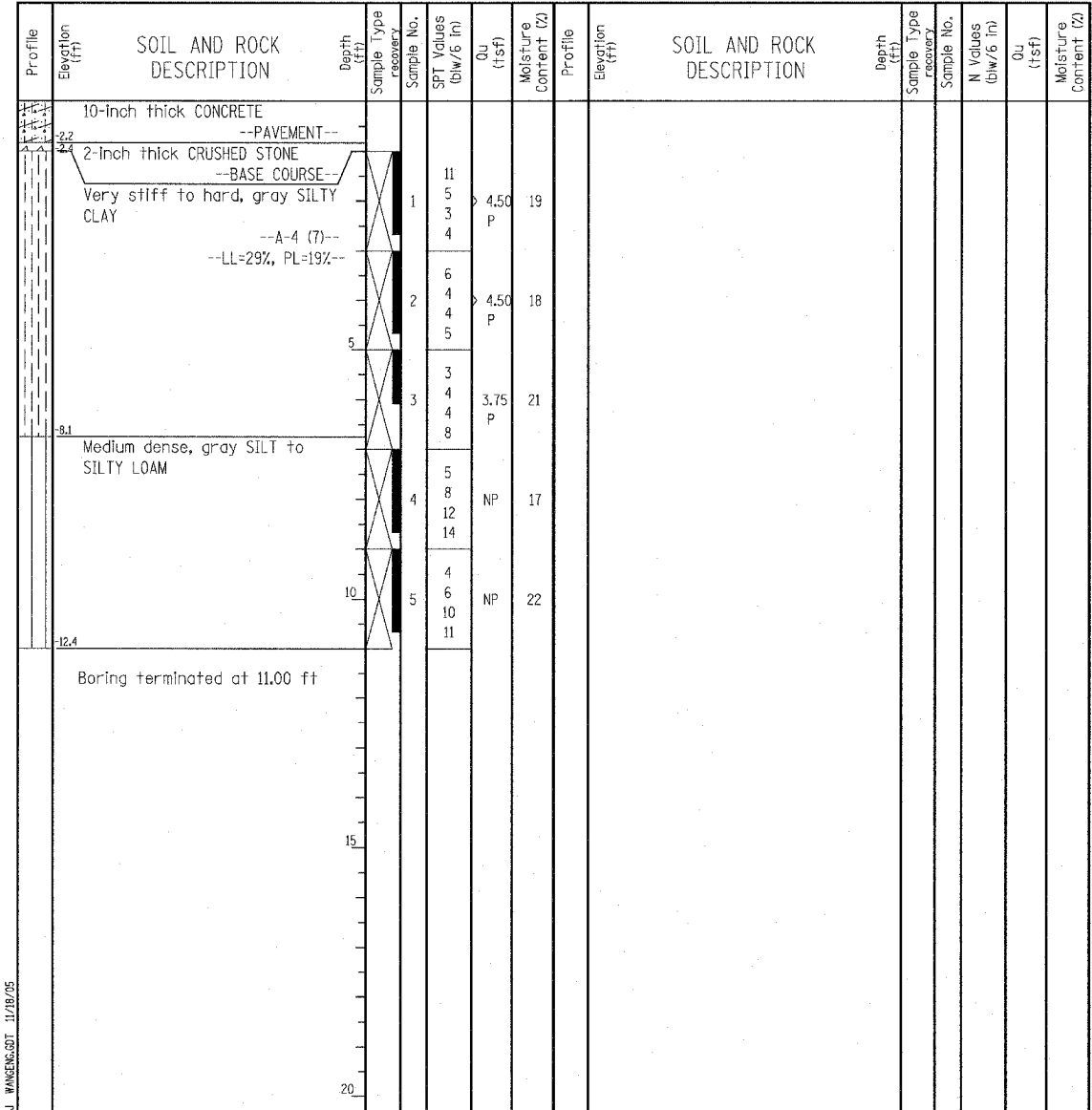
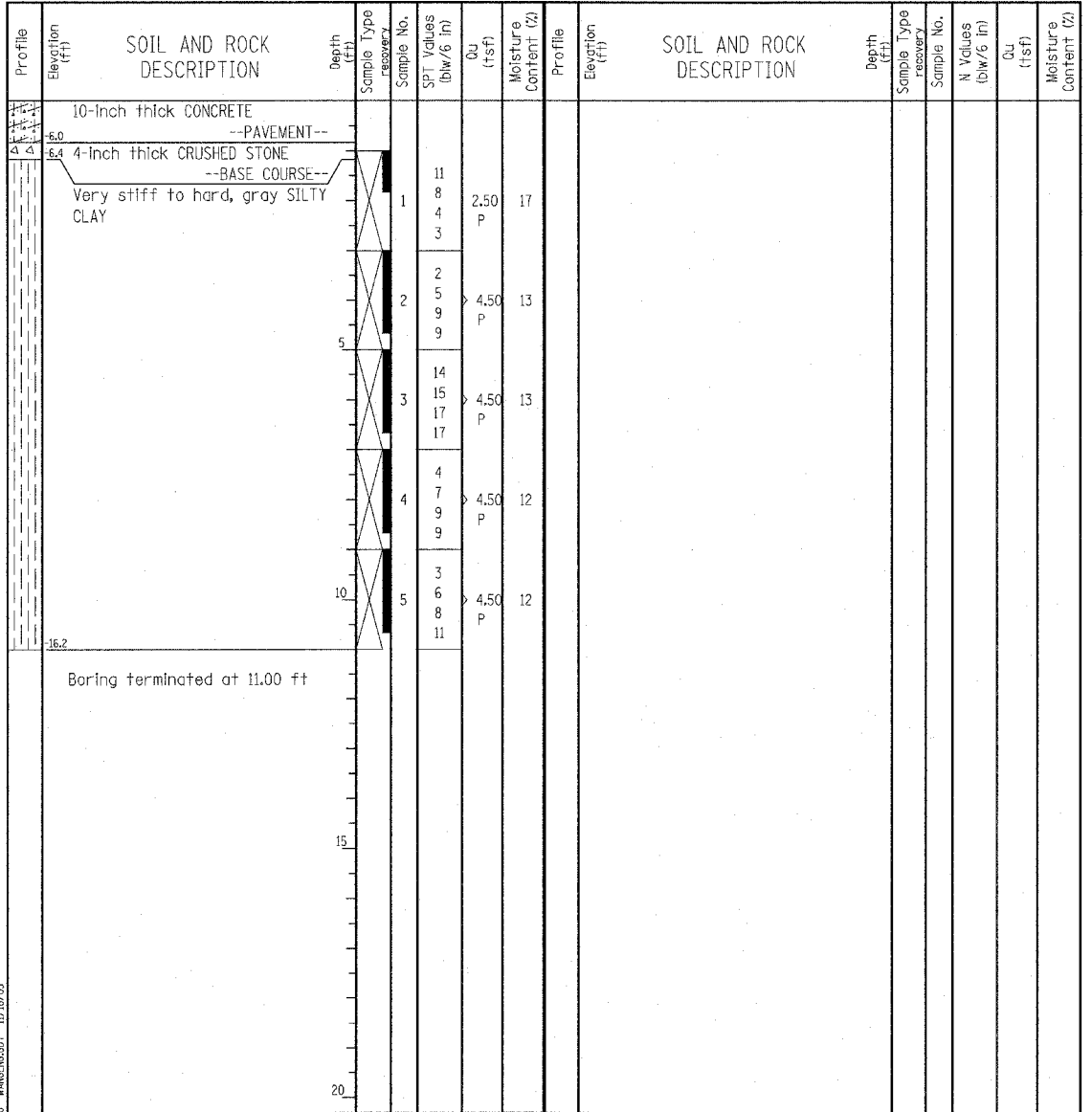
BORING LOG P-025
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -5.18 ft
 North: 1847688.67 ft
 East: 1177715.62 ft
 Station: 2263+22.20
 Offset: 57.19' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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BORING LOG P-026
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -1.35 ft
 North: 1847999.74 ft
 East: 1177707.11 ft
 Station: 2266+33.38
 Offset: 57.58' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	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		
Checked by	MLS	Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion	Depth to Water	▽	NA	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	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		
Checked by	MLS	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

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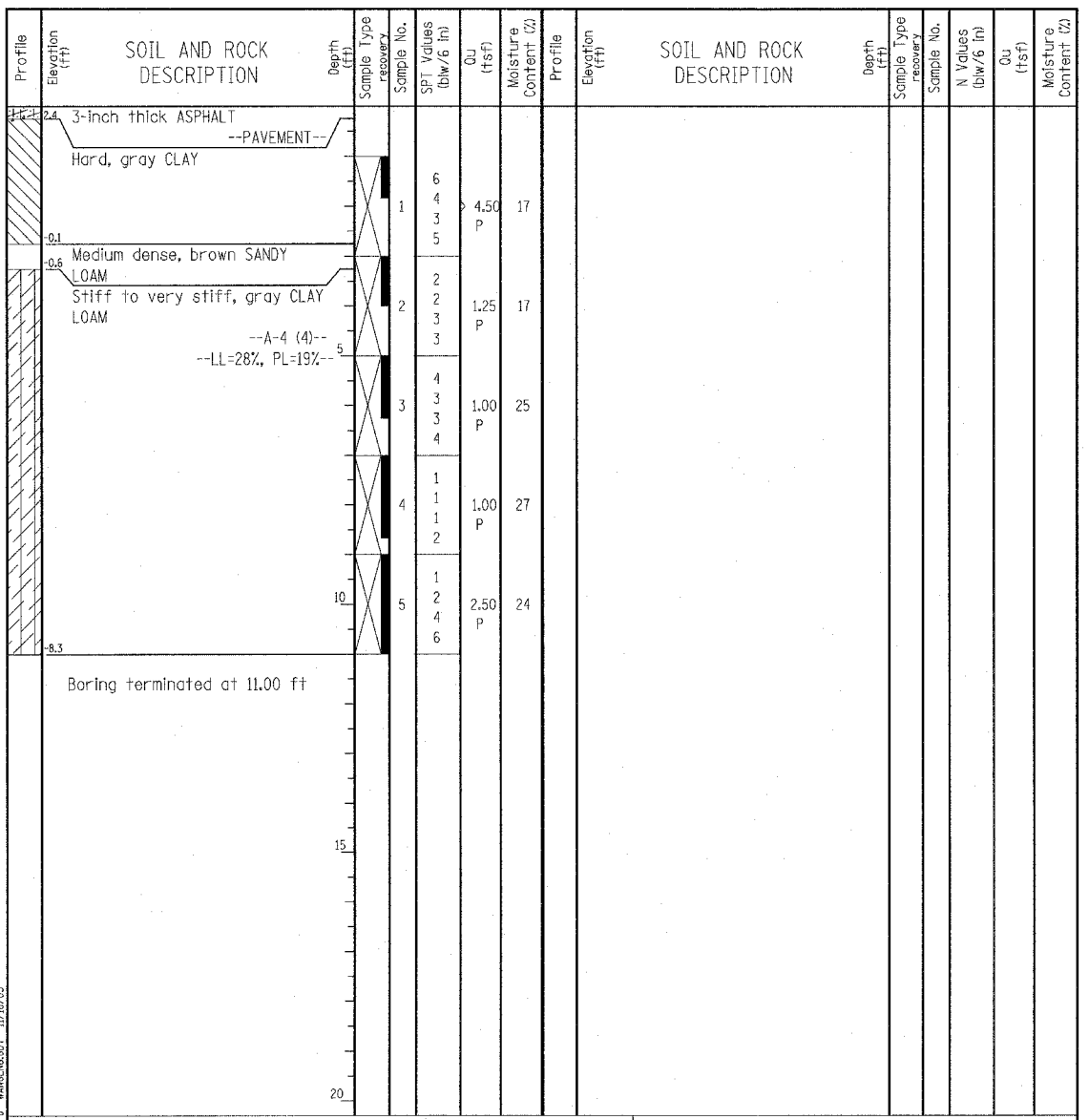
REVISIONS	
NAME	DATE

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BORING LOG P-027
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.68 ft
 North: 1848226.12 ft
 East: 1177700.46 ft
 Station: 2268+59.85
 Offset: 57.41' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



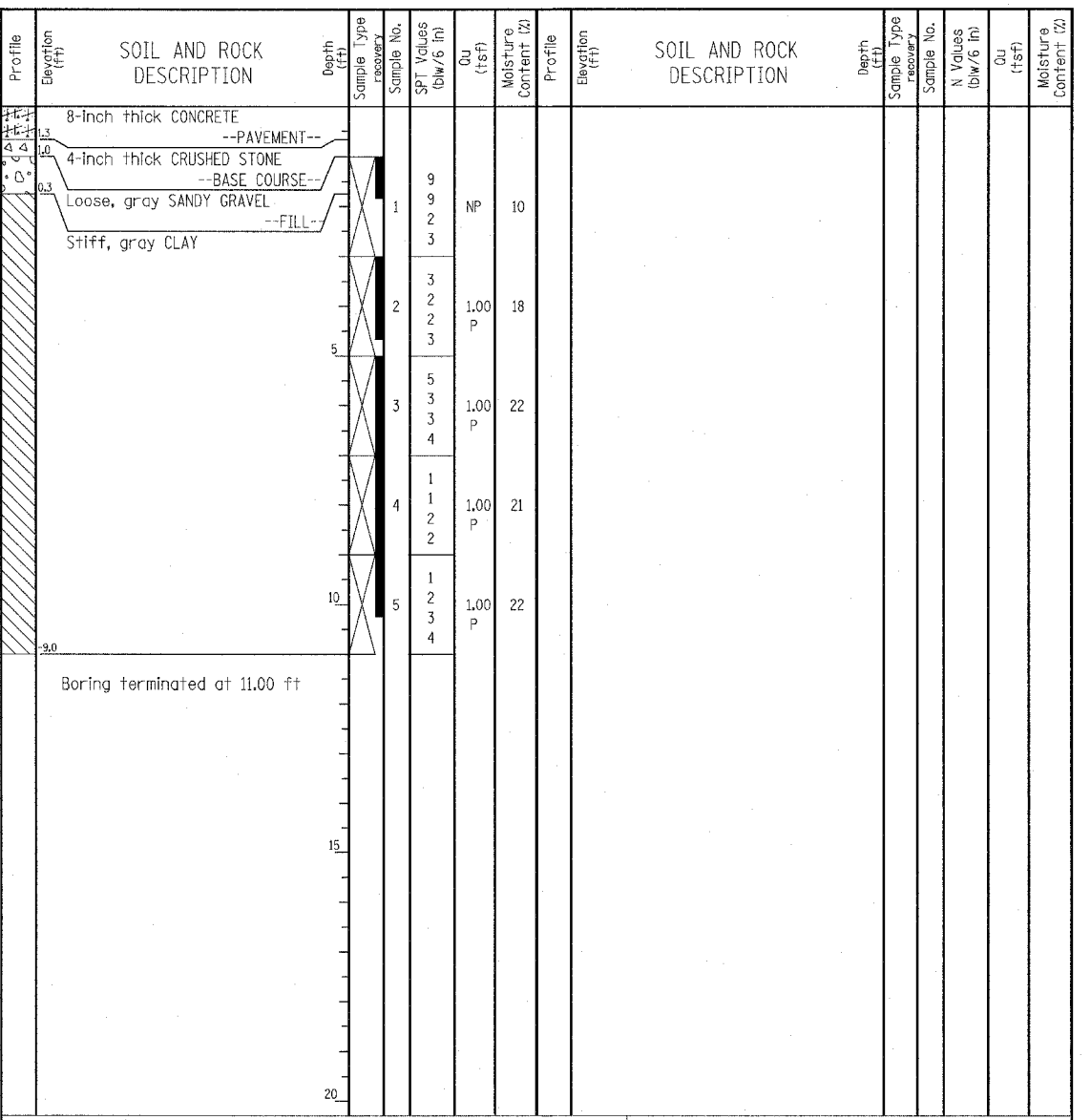
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled 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-028
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.01 ft
 North: 1848779.00 ft
 East: 1177692.48 ft
 Station: 2274+12.74
 Offset: 65.27' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	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

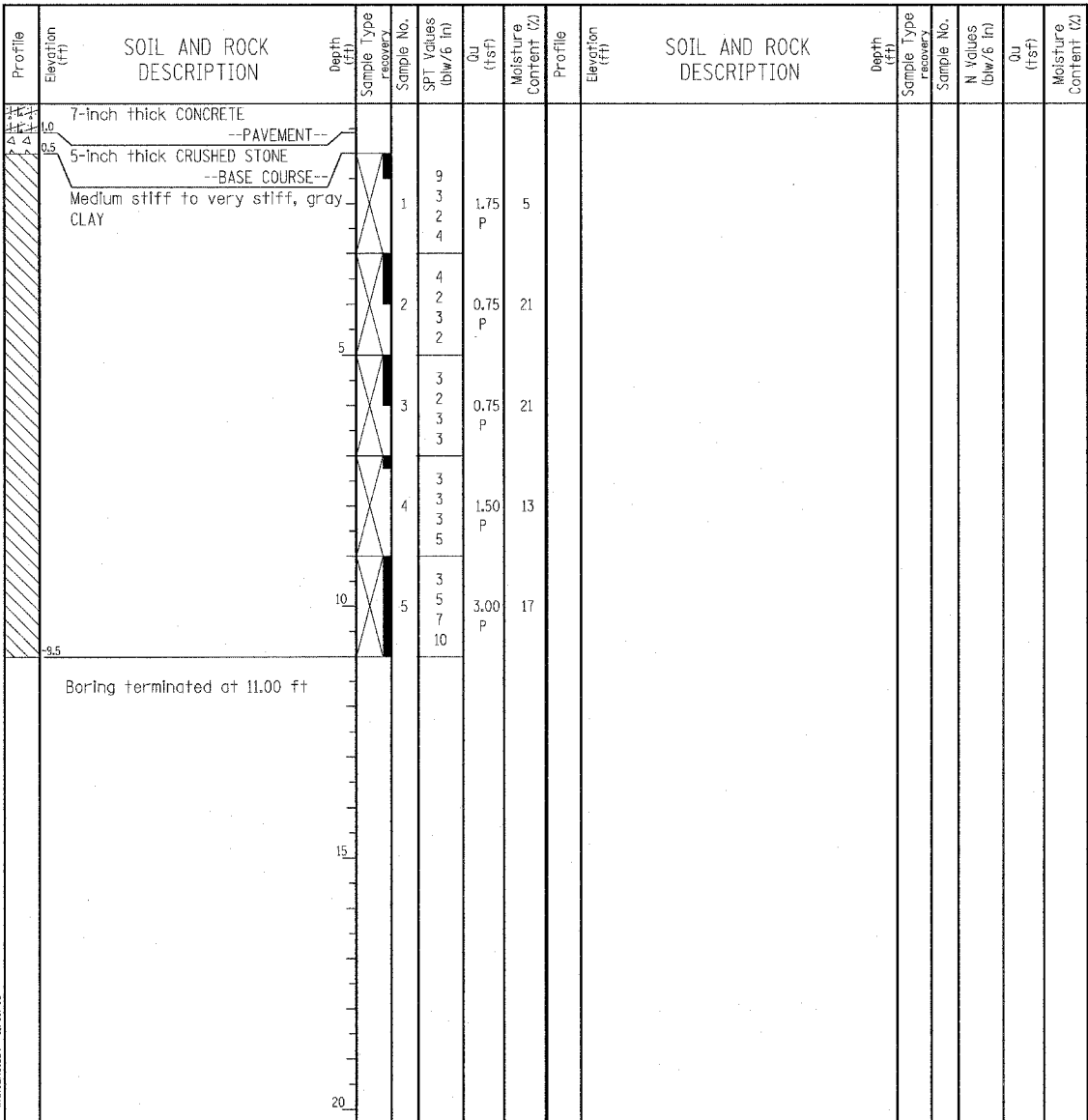
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-027 & P-028

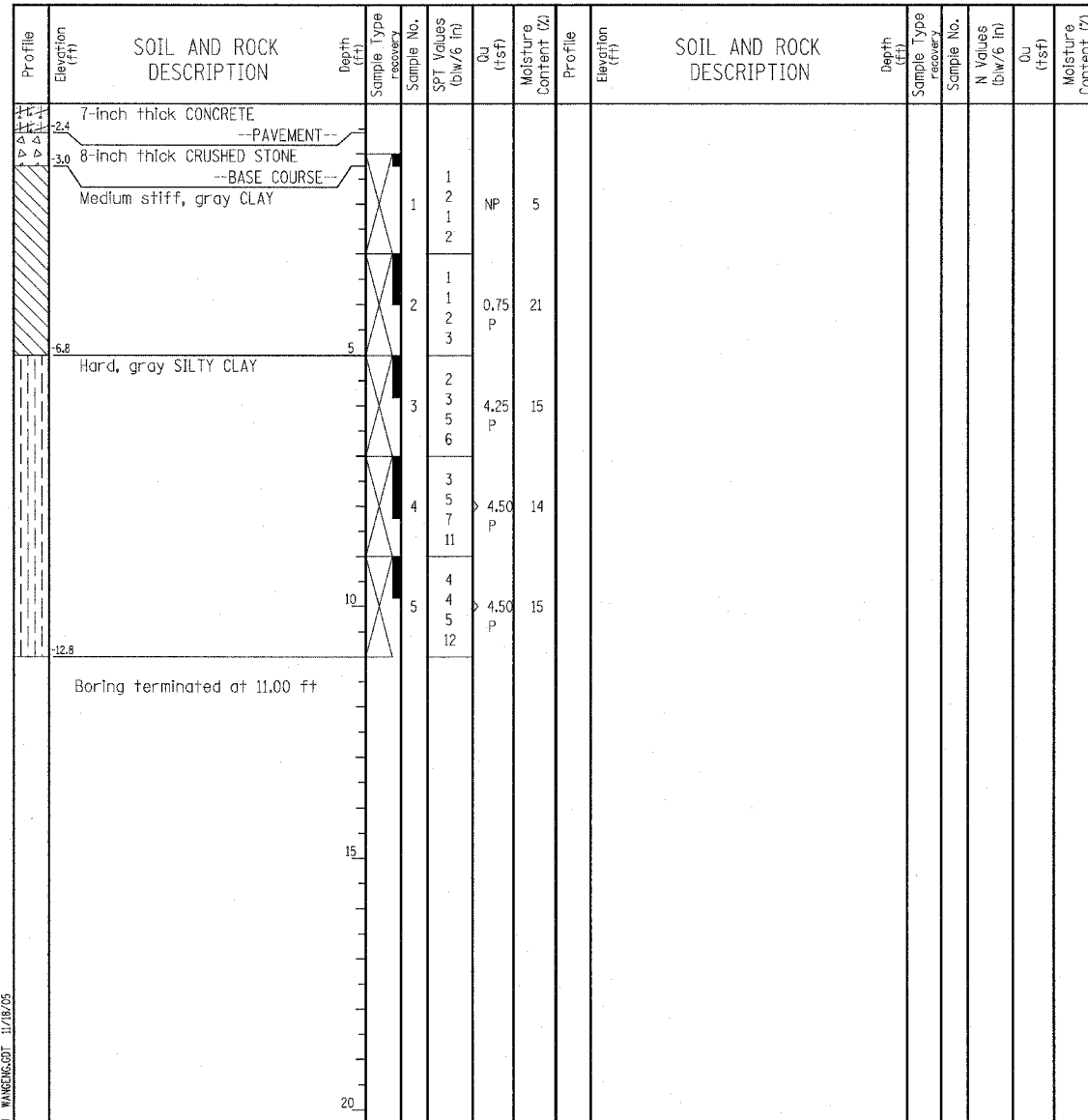
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

<p>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</p>	BORING LOG P-029		Page 1 of 1
	WEI Job No.: 414-07-01		Datum: CCD
	Client: T. Y. LIN International, Inc.	Elevation: 1.53 ft	
	Project: Dan Ryan Contracts 62304 (20) and 62593 (23)	North: 1849067.49 ft	
Location: City of Chicago, Cook County, Illinois	East: 1177676.72 ft		Station: 2277+01.56
	Offset: 57.77' RT		

<p>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</p>	BORING LOG P-030		Page 1 of 1
	WEI Job No.: 414-07-01		Datum: CCD
	Client: T. Y. LIN International, Inc.	Elevation: -1.78 ft	
	Project: Dan Ryan Contracts 62304 (20) and 62593 (23)	North: 1849318.01 ft	
Location: City of Chicago, Cook County, Illinois	East: 1177670.68 ft		Station: 2279+52.15
	Offset: 58.90' RT		



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-16-2003	Complete Drilling	07-16-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	J&B	Logger	Y. Shlu	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-031
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -5.75 ft
 North: 1849623.43 ft
 East: 1177661.96 ft
 Station: 2282+57.69
 Offset: 58.93' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-5.3	7-inch thick CONCRETE --PAVEMENT--												
-6.8	5-inch thick CRUSHED STONE --BASE COURSE--												
	Medium dense, brown and black, medium SAND --FILL--	1	3	NP	5								
		6											
		4											
		5											
9.4	Hard, gray SILTY CLAY	2	19	4.50	18								
		14											
		18											
		10											
		5											
		9											
		13											
		15											
		17											
		3											
		8											
		13											
		14											
		15											
		4											
		7											
		11											
		13											
		5											
		10											
		15											
		20											
	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-16-2003	Complete Drilling	07-16-2003	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-032
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -8.25 ft
 North: 1849890.45 ft
 East: 1177653.38 ft
 Station: 2285+24.86
 Offset: 58.00' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-8.8	7-inch thick CONCRETE --PAVEMENT--												
-9.3	5-inch thick CRUSHED STONE --BASE COURSE--												
	Hard, gray SILTY CLAY	1	20	4.50	10								
		10											
		5											
		12											
		11											
		12											
		15											
		2											
		16											
		15											
		3											
		16											
		15											
		12											
		15											
		4											
		9											
		16											
		18											
		18											
		10											
		14											
		15											
		18											
		5											
		10											
		15											
		18											
	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-16-2003	Complete Drilling	07-16-2003	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-031 & P-032

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-033
WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: -10.79 ft
North: 1850190.46 ft
East: 1177644.21 ft
Station: 2288+25.00
Offset: 57.42' RT

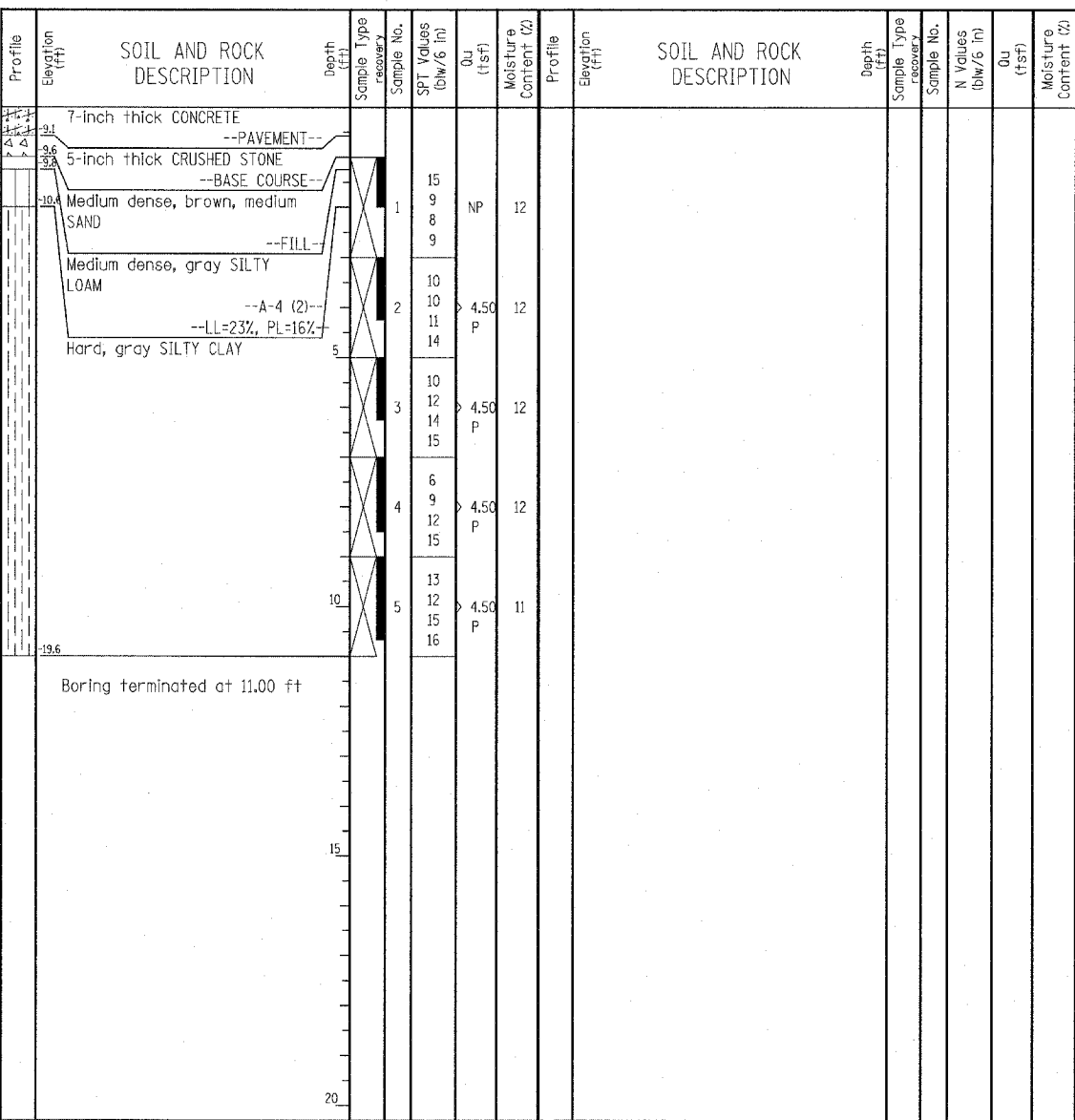
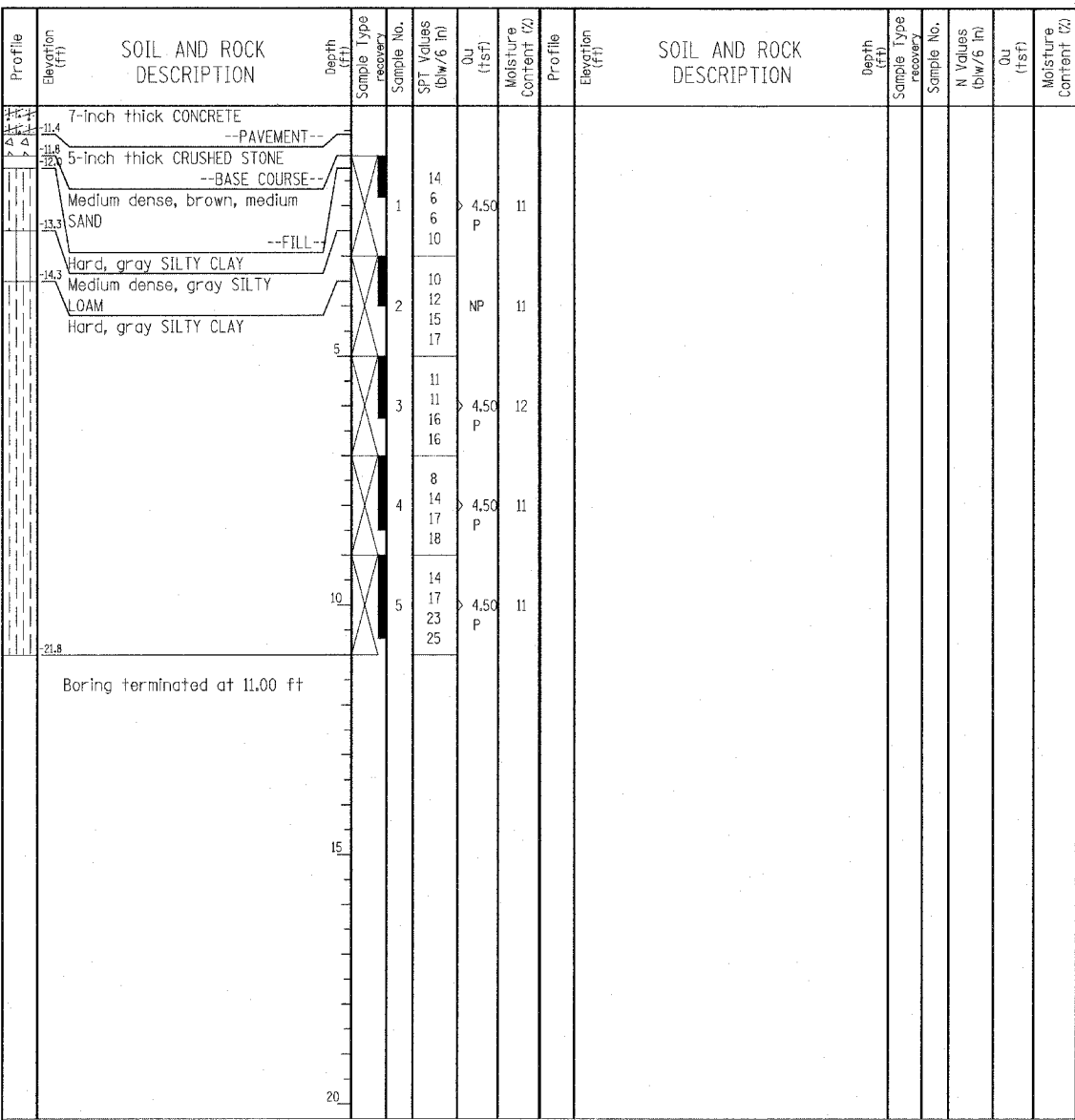
Page 1 of 1

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BORING LOG P-034
WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: -8.56 ft
North: 1850495.78 ft
East: 1177635.47 ft
Station: 2291+30.45
Offset: 57.42' RT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	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	07-15-2003	Complete Drilling	07-15-2003	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-033 & P-034

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-037

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -4.75 ft
 North: 1851297.48 ft
 East: 1177615.65 ft
 Station: 2299+32.40
 Offset: 60.35' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
-5.0	3-inch thick, black CLAY LOAM --TOPSOIL-- Hard, gray CLAY	1		1	1	4.50	19								
		1		4											
		3		3											
		2		1		4.50	20								
		3		3											
		4		4											
		5		2											
		3		3		NA	15								
		5		3											
		3		5											
		6		6											
-10.8	Hard, gray SILTY CLAY	8		8		4.50	12								
		9		9											
		11		11											
		13		13											
		5		8		4.50	12								
		10		10											
		14		14											
		15		15											
-14.8	Boring terminated at 10.00 ft	10													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	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-038

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -5.46 ft
 North: 1851631.79 ft
 East: 1177604.37 ft
 Station: 2302+66.57
 Offset: 70.13' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
-6.0	6-inch thick ASPHALT --PAVEMENT-- Very stiff, gray CLAY	1		1	3	2.50	18								
		1		3											
		3		4											
		2		2		2.25	19								
		4		4											
		5		5											
		5		3		4.50	13								
-10.5	Hard, gray SILTY CLAY	3		3											
		8		8											
		8		8											
		4		4		4.50	11								
		7		7											
		11		11											
		13		13											
		10		5		4.50	11								
		13		13											
		15		15											
		18		18											
-16.5	Boring terminated at 11.00 ft	10													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	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-037 & P-038

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-039
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -6.64 ft
North: 1851890.10 ft
East: 1177596.18 ft
Station: 2305+25.09
Offset: 66.25' RT

Page 1 of 1

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BORING LOG P-040
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -9.04 ft
North: 1852190.11 ft
East: 1177575.46 ft
Station: 2308+25.21
Offset: 66.64' RT

Page 1 of 1

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 (%)
-6.6	2-inch thick ASPHALT PAVEMENT-- Very stiff to hard, gray CLAY --A-6 (9)-- --LL=31%, PL=19%--	1		1	5	2.00	17	-6.6							
		2		2	2										
		4		4											
		5		5											
-12.1	Hard, gray SILTY CLAY Hard, gray SILTY CLAY	1		1	3	3.00	20	-12.1							
		3		3											
		5		5											
		6		6											
		10		10											
		7		7											
		8		8											
		12		12											
		12		12											
		6		6											
		8		8											
		14		14											
		16		16											
-16.6	Boring terminated at 10.00 ft	10						-16.6							

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 (%)
-9.7	7.5-inch thick CONCRETE							-9.7							
-9.7	4<<R>>--PAVEMENT--							-9.7							
-10.4	5-inch thick CRUSHED STONE							-10.4							
-10.4	--BASE COURSE--							-10.4							
-10.8	Loose, brown, medium SAND							-10.8							
	--FILL--														
	Very stiff to hard, gray SILTY CLAY														
		1		1	4	4.50	6								
		3		3											
		2		2											
		2		2											
		3		3											
		4		4											
		5		5											
		7		7											
		8		8											
		11		11											
		11		11											
		7		7											
		12		12											
		20		20											
		26		26											
		11		11											
		19		19											
		28		28											
		35		35											
-20.0	Boring terminated at 11.00 ft	10						-20.0							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	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	07-15-2003	Complete Drilling	07-15-2003	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-039 & P-040

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-041
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -9.92 ft
 North: 1852502.07 ft
 East: 1177569.69 ft
 Stations: 2311+37.63
 Offset: 54.86' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
10.6	8-inch thick CONCRETE --PAVEMENT--														
11.0	5-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY	1		7 5 7 7	4.50	15									
		2		6 8 8	4.50	12									
		3		8 8 9 11	4.50	12									
		4		7 8 8 11	4.50	12									
		5		6 6 9 11	4.50	13									
20.9	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	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-042
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -7.91 ft
 North: 1852766.71 ft
 East: 1177569.69 ft
 Station: 2314+02.28
 Offset: 56.68' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
8.6	8-inch thick CONCRETE --PAVEMENT--														
8.3	4-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY	1		5 5 4 6	4.50	14									
		2		4 4 6 7	4.50	13									
		3		10 10 15 13	4.50	12									
		4		4 7 9 9	4.50	13									
		5		1 5 7 9	4.50	12									
18.9	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	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-041 & P-042

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-066 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.15 ft
 North: 1853318.05 ft
 East: 1177483.00 ft
 Station: 2319+56
 Offset: 0.5' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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	4-inch thick ASPHALT over												
11.1	8-inch thick CONCRETE												
10.5	--PAVEMENT--												
10.5	4-inch thick CRUSHED STONE		1	7									
10.5	--BASE COURSE--												
10.5	Stiff to hard, gray SILTY CLAY		2	4	3.50	12							
			3	2									
			5	3									
			4	4	1.50	19							
			5	5									
			6	6									
			7	7	2.00	19							
			9	9									
			4	3									
			4	4	2.50	19							
			5	5									
			2	4									
			6	6	4.25	18							
			7	7									
	Boring terminated at 11.00 ft												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-10-2003	Complete Drilling	10-10-2003	While Drilling	<input checked="" type="checkbox"/> DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	<input checked="" type="checkbox"/> DRY
Driller	K&L	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	<input checked="" type="checkbox"/> 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-066

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

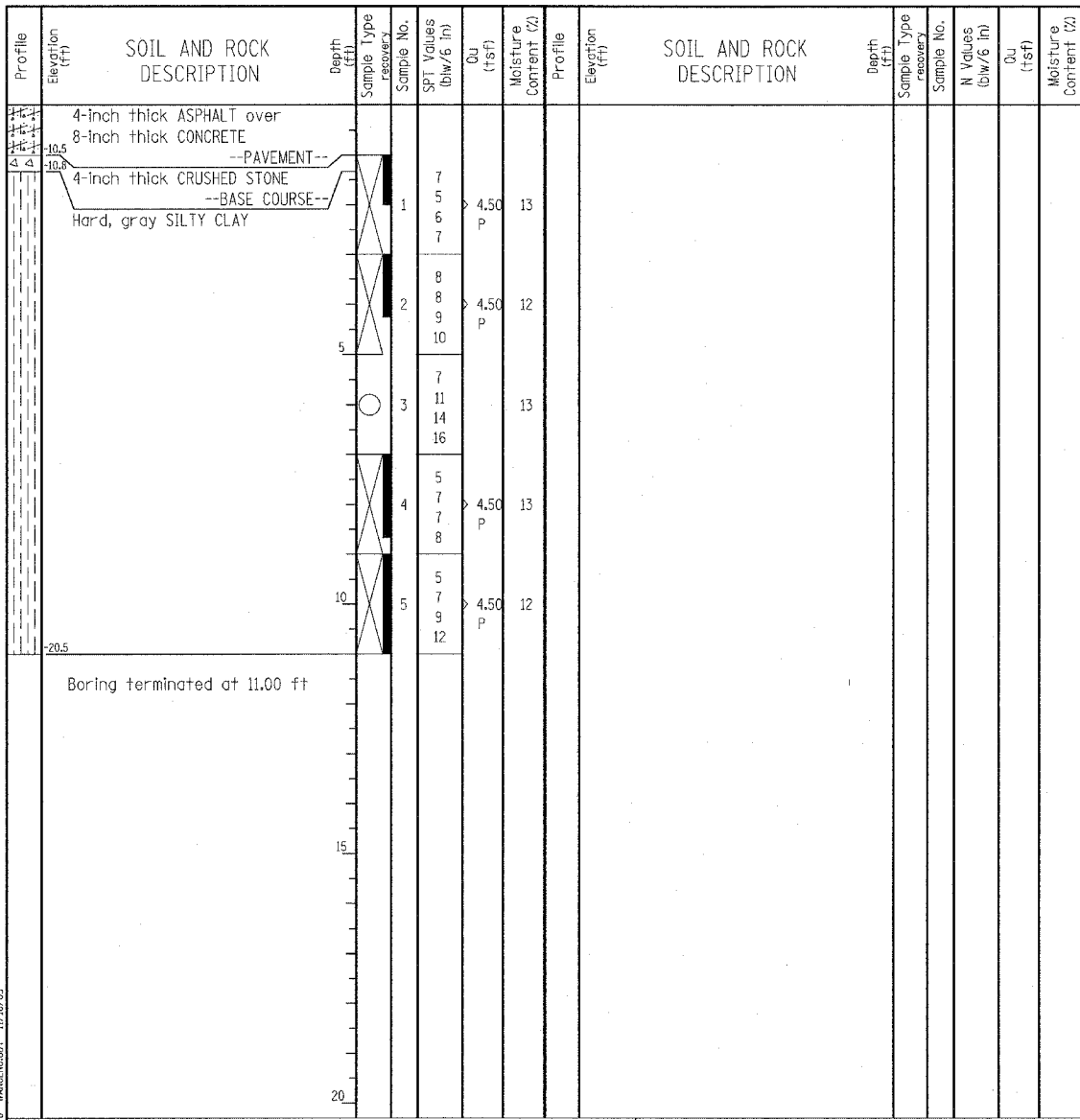
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BORING LOG P-067 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -9.51 ft
 North: 1852552.98 ft
 East: 1177521.66 ft
 Station: 2311+90
 Offset: 3' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-10-2003	Complete Drilling	10-10-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&L	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.			

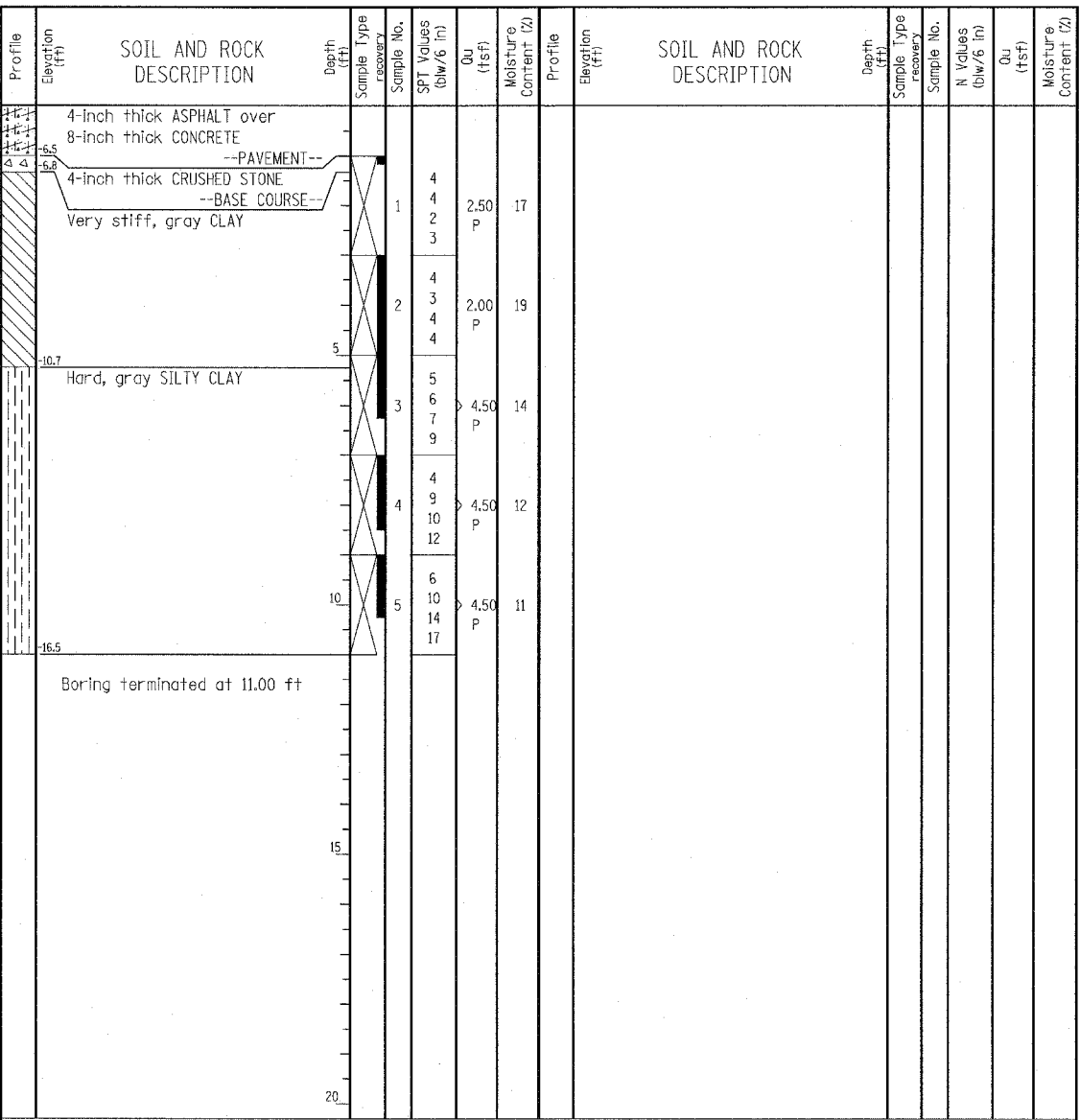
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BORING LOG P-068 Page 1 of 1

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -5.45 ft
 North: 1851579.63 ft
 East: 1177548.49 ft
 Station: 2302+16
 Offset: 2' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-10-2003	Complete Drilling	10-10-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&L	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-067 & P-068

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPC

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BORING LOG P-069

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -6.17 ft
 North: 1850805.72 ft
 East: 1177570.35 ft
 Station: 2294+42
 Offset: 1' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/in)	Qu (tsf)	Moisture Content (%)
-7.2	4-inch thick ASPHALT over 8-inch thick CONCRETE --PAVEMENT--														
-7.5	4-inch thick CRUSHED STONE --BASE COURSE--			1	2	2.25	15								
	Very stiff, gray CLAY			3											
				3											
-9.4	Hard, gray SILTY CLAY			2	7	4.50	13								
				7	9										
				9	10										
				5	13										
				3	13	4.50	12								
				13	16										
				14	14										
				4	9										
				14	15										
				15	15										
				5	5	4.50	12								
				9	9										
				10	10										
				10	10										
				10	10										
-17.2	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-10-2003	Complete Drilling	10-10-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&L	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-070

Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.56 ft
 North: 1849855.53 ft
 East: 1177599.26 ft
 Station: 2284+92
 Offset: 3' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/in)	Qu (tsf)	Moisture Content (%)
-9.6	4-inch thick ASPHALT over 8-inch thick CONCRETE --PAVEMENT--														
-9.9	4-inch thick CRUSHED STONE --BASE COURSE--			1	3	4.50	11								
	Hard, gray SILTY CLAY			5	8										
				8	15	4.50	11								
				15	15										
				2	16										
				5	17										
				3	18	4.50	11								
				18	21										
				21	25										
				4	6	4.50	11								
				12	12										
				4	15										
				12	12										
				5	5	4.50	12								
				10	10										
				12	12										
				11	11										
-19.6	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-10-2003	Complete Drilling	10-10-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&L	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-069 & P-070

SCALE: N.T.S.
 DATE: MARCH 7, 2006
 DRAWN BY: RTM
 CHECKED BY: MPG

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BORING LOG P-071
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.12 ft
 North: 1849030.30 ft
 East: 1177621.77 ft
 Station: 2276+66
 Offset: 2' RT

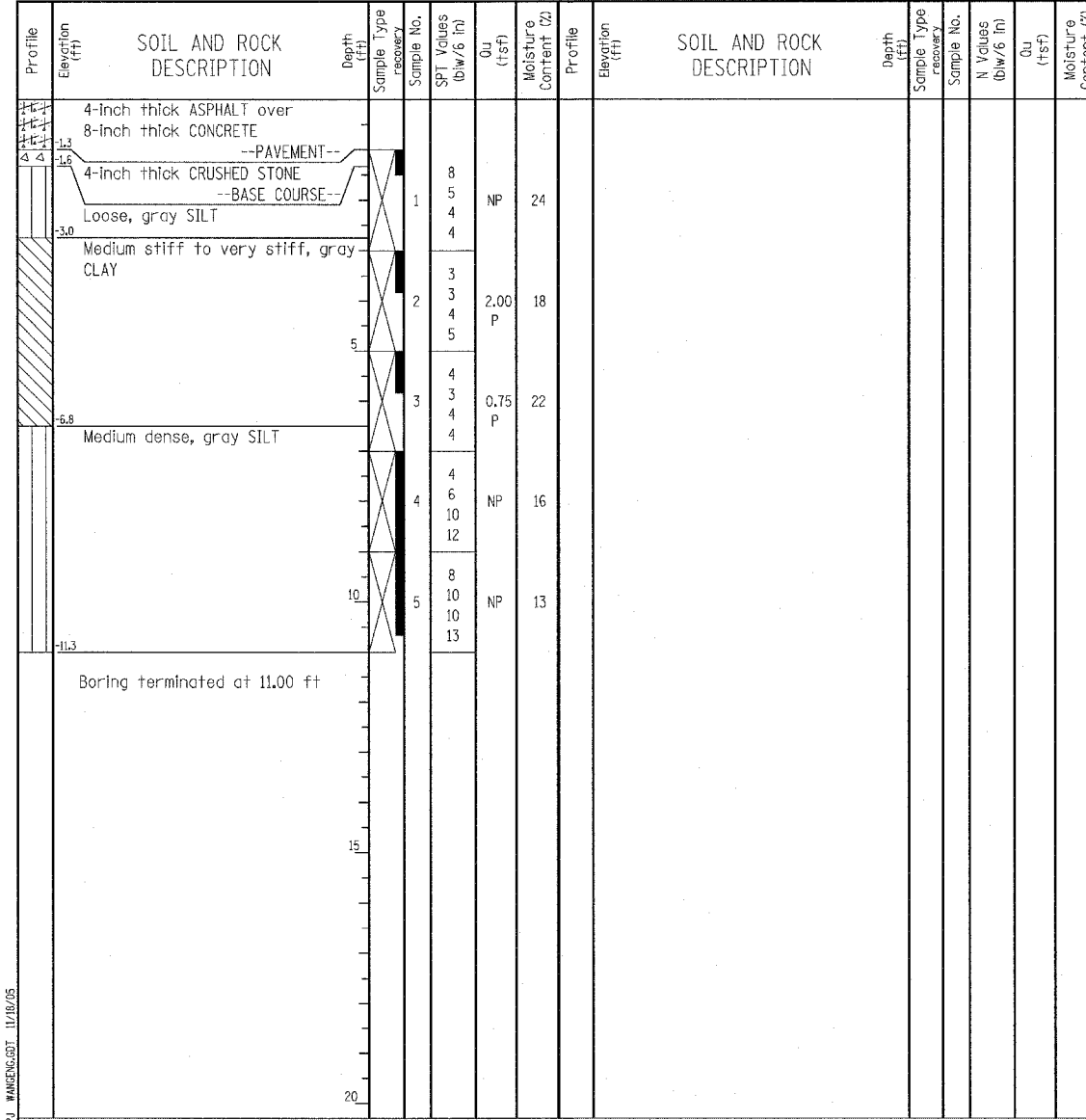
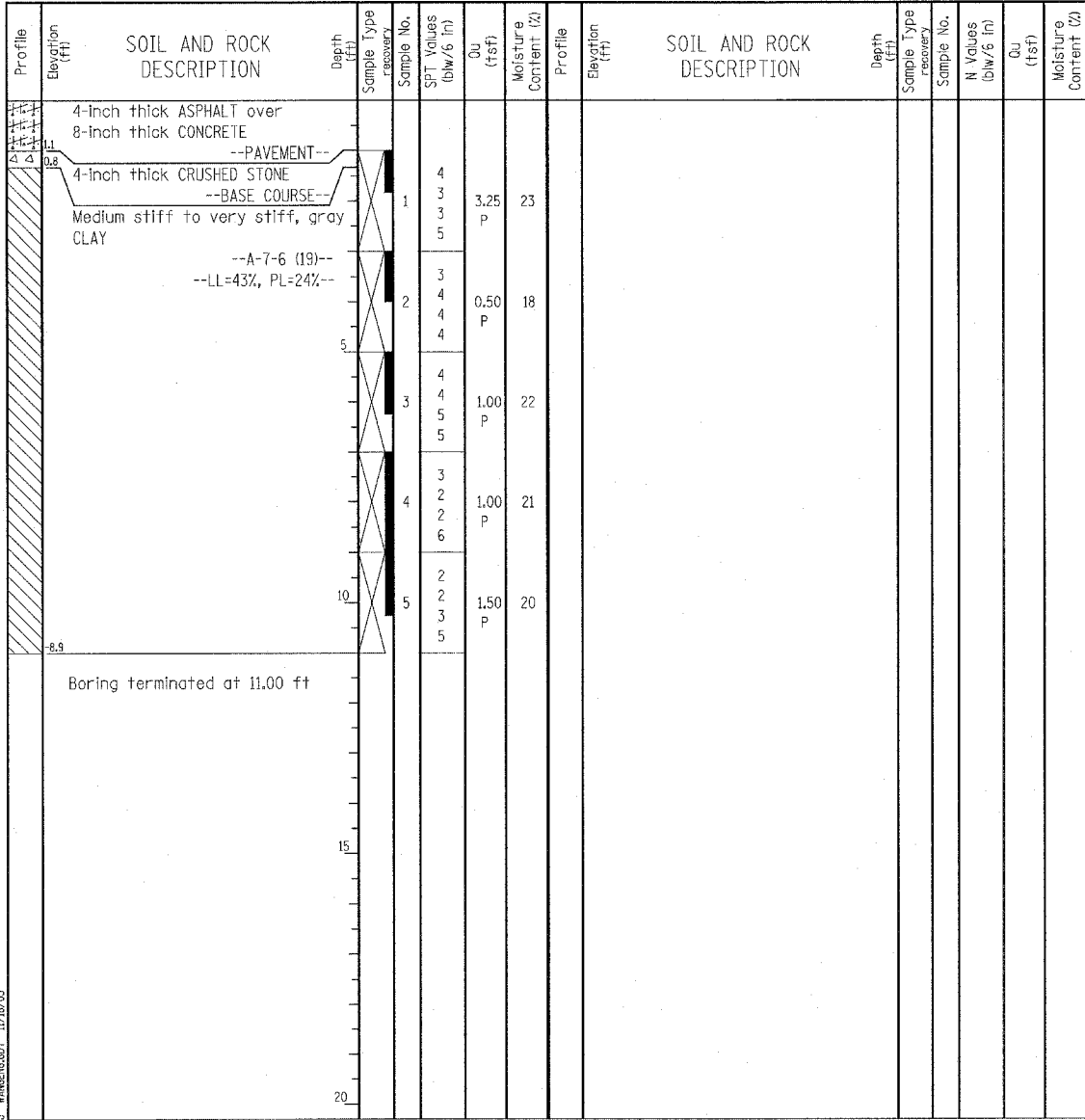
Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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BORING LOG P-072
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -0.26 ft
 North: 1848049.38 ft
 East: 1177651.12 ft
 Station: 2266+85
 Offset: 3' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-09-2003	Complete Drilling	10-09-2003	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		
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	10-09-2003	Complete Drilling	10-09-2003	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		
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

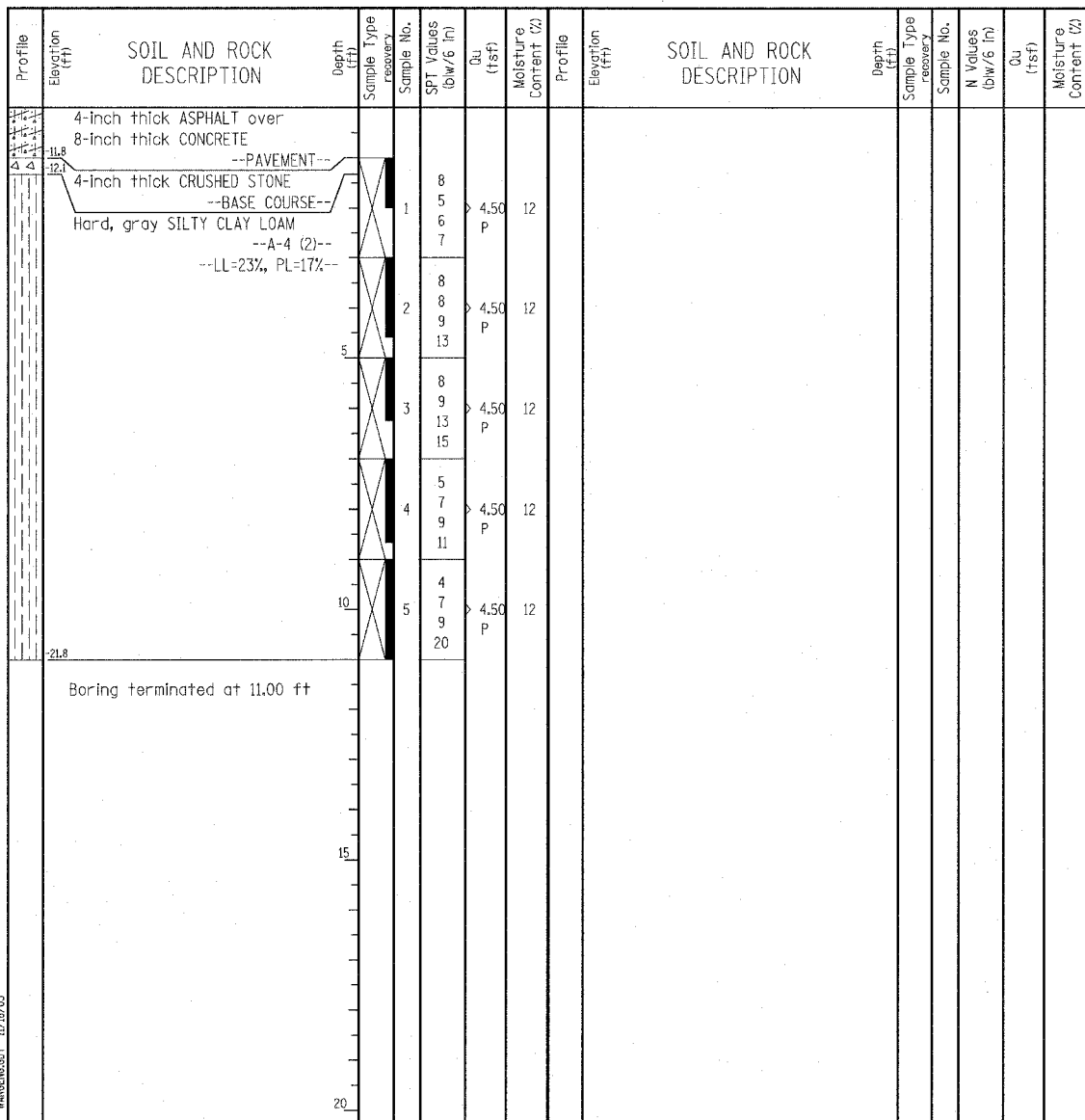
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-071 & P-072

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-073
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -10.76 ft
 North: 1847140.45 ft
 East: 1177676.30 ft
 Station: 2257+75
 Offset: 2' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

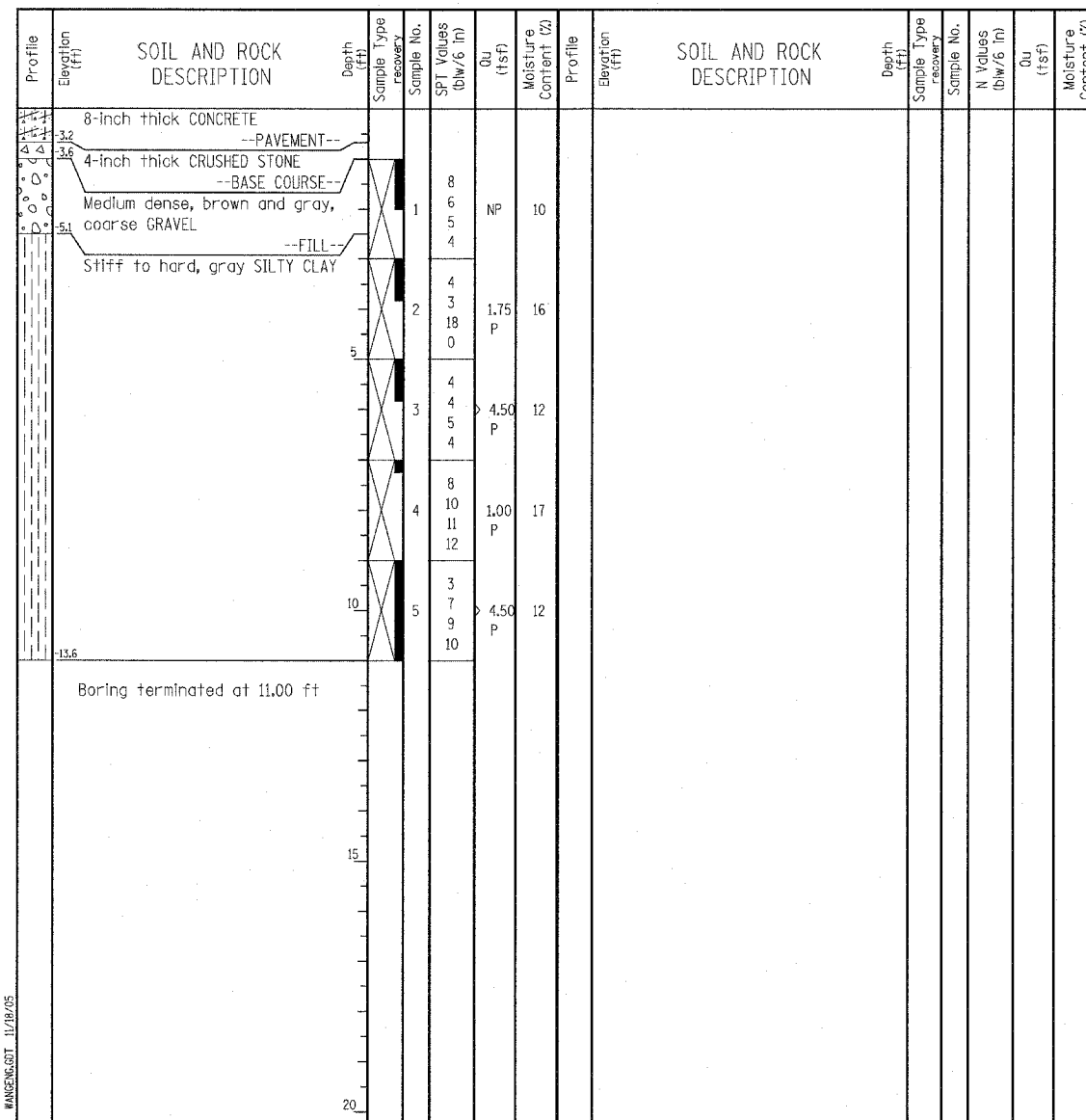


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-09-2003	Complete Drilling	10-09-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled 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-074
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -2.57 ft
 North: 1846257.87 ft
 East: 1177695.32 ft
 Station: 2248+93
 Offset: 4' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-09-2003	Complete Drilling	10-09-2003	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

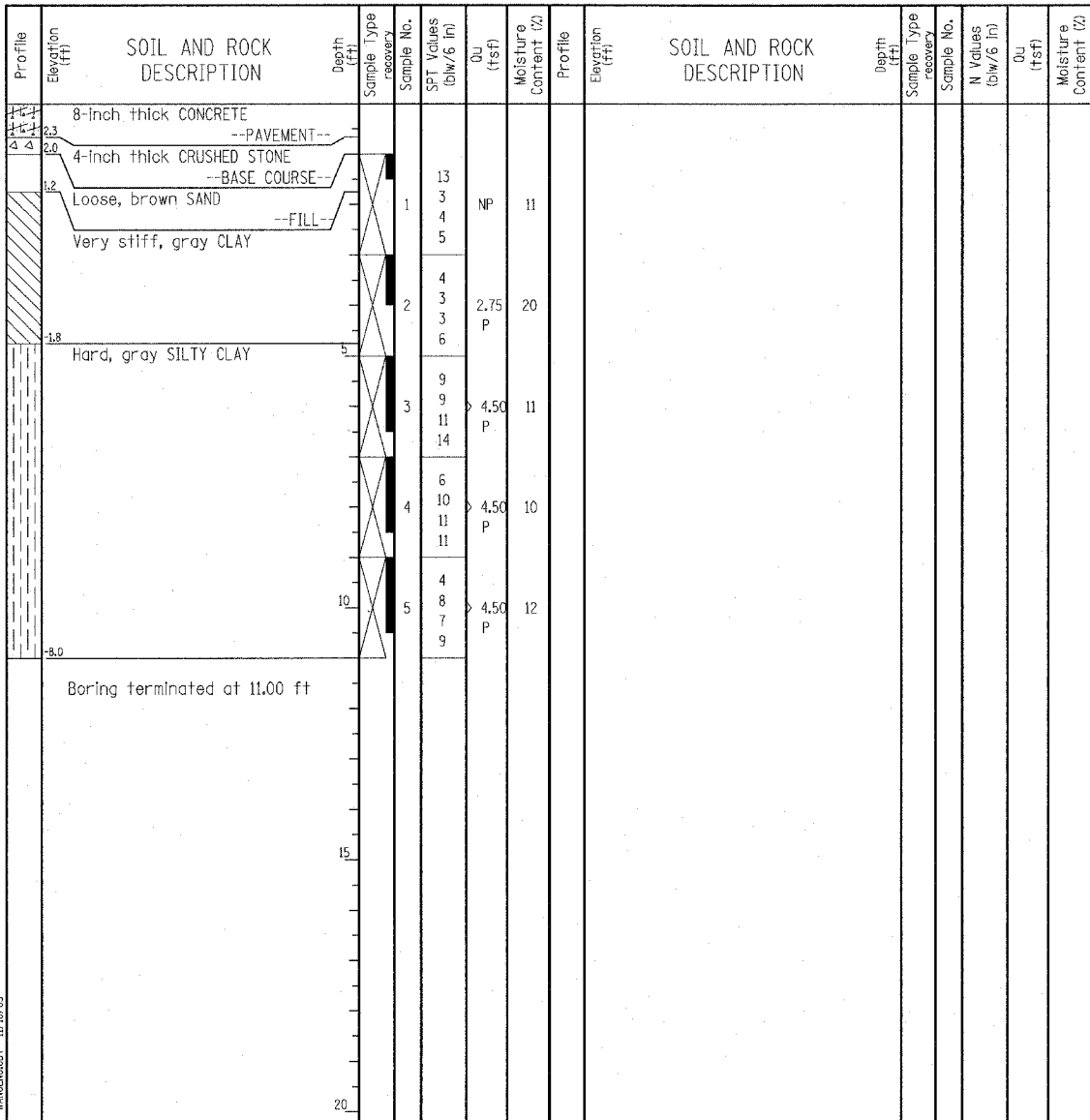
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-073 & P-074

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG P-077
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: 2.96 ft
 North: 1843567.67 ft
 East: 1177772.50 ft
 Station: 2222+01
 Offset: 4' LT

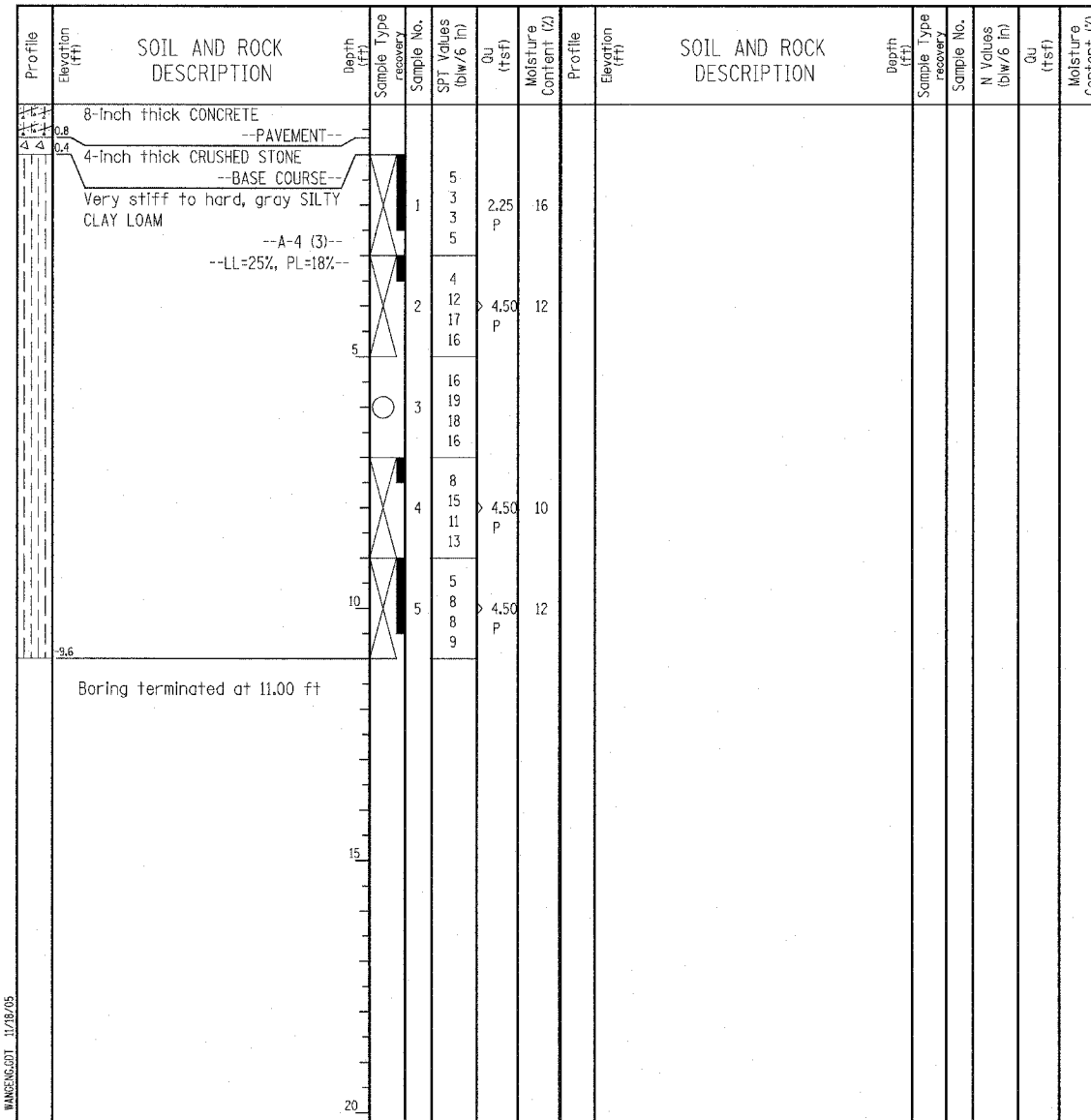


GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-09-2003	Complete Drilling	10-09-2003	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

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BORING LOG P-078
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: 1.44 ft
 North: 1842984.04 ft
 East: 1177792.77 ft
 Station: 2216+17
 Offset: 0.5' LT



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	10-08-2003	Complete Drilling	10-09-2003	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				

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-077 & P-078

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG


Wang Engineering, Inc.
 Consulting Geotechnical and Environmental Engineers
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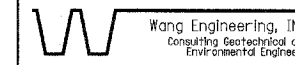
BORING LOG P-079
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -2.03 ft
 North: 1841858.55 ft
 East: 1177827.08 ft
 Station: 2204+91
 Offset: 2' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
2.7	2-inch thick ASPHALT over														
3.4	6-inch thick CONCRETE														
	--PAVEMENT--														
	4-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Hard, gray SILTY CLAY														
		1			7		15								
		5			9										
		11													
		2			8		10								
		9													
		10													
		3			7		13								
		12													
		13													
		4			5		14								
		6													
		7													
		5			5		15								
		6													
		7													
		8													
		10													
		15													
		20													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-08-2003	Complete Drilling	10-08-2003	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		
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-080
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 15.95 ft
 North: 1840918.10 ft
 East: 117784.76 ft
 Station: 2041+31
 Offset: 104' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
15.95	10-inch thick CONCRETE														
	--PAVEMENT--														
	2-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Stiff to very stiff, gray CLAY														
	--A-6 (17)--														
	--LL=38%, PL=13%--														
		1			2		10								
		5			4										
		9													
		10													
		2			4		21								
		4													
		5													
		3			4		21								
		4													
		5													
		3			3		21								
		3													
		3													
		2			2		21								
		3													
		4													
		10													
		15													
		20													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-08-2003	Complete Drilling	10-08-2003	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		
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

SHEET 28 OF 89
 ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-079 & P-080
 SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPC

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BORING LOG AIS5-1
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 6.37 ft
 North: 1839042.76 ft
 East: 1181249.12 ft
 Station: 1996+24
 Offset: 41' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
5.9	6-inch thick, black LOAM --TOPSOIL--												
	Hard, gray and brown CLAY, trace gravel		1	2, 3, 4, 5	4.50	11							
	--FILL--												
			2	6, 10, 10, 9	4.00	16							
2.4	Medium stiff to very stiff, brown and gray CLAY, trace gravel		3	7, 5, 5, 4	2.00	18							
			4	2, 4, 4, 5	1.50	20							
			5	5, 5, 7	1.25	18							
			6	4, 5, 5, 6	1.00	18							
-5.6	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	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 AIS5-2
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 7.90 ft
 North: 1839044.99 ft
 East: 1181349.48 ft
 Station: 1995+24
 Offset: 40' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
7.2	9-inch thick, TOPSOIL --TOPSOIL--												
	Very stiff, gray SILTY CLAY LOAM		1	4, 5, 10, 11	3.50	10							
5.9	Hard, gray CLAY, trace gravel		2	7, 8, 7, 8	4.50	16							
			3	6, 7, 8, 8	4.50	18							
			4	6, 5, 8, 9	4.50	12							
			5	7, 8, 9, 10	4.50	13							
			6	7, 8, 9, 8	4.50	13							
-4.1	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	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

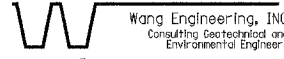
TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS AIS5-1 & AIS5-2

SCALE: N.T.S.
 DATE: MARCH 7, 2006

DRAWN BY: RTM
 CHECKED BY: MPG

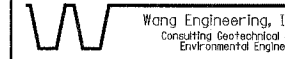

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BORING LOG AIS5-3

Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: 7.53 ft
 North: 1839047.22 ft
 East: 1181450.01 ft
 Station: 1994+23
 Offset: 39' RT


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BORING LOG AIS5-4

Page 1 of 1

WEI Job No.: 414-07-01
 Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

Datum: CCD
 Elevation: 7.02 ft
 North: 1839049.44 ft
 East: 1181550.02 ft
 Station: 1993+23
 Offset: 39' 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 (%)
6.8	9-Inch thick, black LOAM --TOPSOIL--														
	Very stiff to hard, gray CLAY, trace gravel	5		1	4										
		7		5	4.50		11								
		8		8											
		7		7											
		19		2	4.50		19								
		16		6											
		7		7											
		20		3	3.25		20								
		5		5											
		6		6											
		10		4	4.50		10								
0.0	Medium dense to dense, gray SILT														
		8		7											
		13		8		NP	13								
		10		8											
		13		13											
		11		9		NP	11								
		16		16											
		18		18											
4.5	Boring terminated at 12.00 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 (%)
6.3	9-Inch thick, black LOAM --TOPSOIL--														
	Dense, gray SILTY LOAM	5		5											
		7		5	4.50		13								
		13		7											
		25		25											
		16		2	4.00		16								
		16		6											
		19		9											
		19		5	4.00		19								
		12		4	4.50		12								
		12		6											
		12		9											
		12		11											
		12		6	4.50		12								
		12		9											
		12		11											
		12		7	4.50		12								
		12		8											
		12		8											
5.0	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	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	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	08-31-2005	Complete Drilling	08-31-2005	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	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 AIS5-3 & AIS5-4

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-01
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.32 ft
 North: 1839299.12 ft
 East: 1172813.32 ft
 Station: 193+17
 Offset: 5' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
14.2	14-inch thick, ASPHALT --PAVEMENT--												
12.7	5-inch thick, CRUSHED STONE --BASE COURSE--	1	5	4.50									
	Hard, gray SILTY CLAY	6	6	P									
		2	6	4.50									
		6	6	P									
		5	4	4.50									
		6	6	P									
		4	7	4.25									
		7	7	P									
		5	6	NP									
6.7	Dense, gray SILT	6	15										
		10	16										
		6	12	NP									
		19	19										
		15	15										
9.7	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	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-02
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.77 ft
 North: 1839340.40 ft
 East: 1172651.70 ft
 Station: 191+56
 Offset: 4' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
14.2	14-inch thick, ASPHALT --PAVEMENT--												
12.6	4-inch thick, CRUSHED STONE --BASE COURSE--	1	2	4.50									
	Hard, gray SILTY CLAY to SILTY CLAY LOAM	2	12	4.50									
	--A-4 (2)-- --LL=22%, PL=15%--	8	8	P									
		5	5	4.25									
		6	6	P									
		4	4	4.50									
		6	6	P									
		4	4	NP									
5.2	Medium dense, gray SILT	5	13										
		10	16										
6.2	Hard, gray CLAY, trace gravel	7	8	4.50									
		10	10	P									
7.7	Medium dense, gray SILT	6	10										
		13	13										
8.2	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	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-01 & SP-02

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

BORING LOG SP-03 Page 1 of 1

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WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: 4.22 ft
North: 1839361.48 ft
East: 1173348.55 ft
Station: 198454
Offset: 44' LT

BORING LOG SP-04 Page 1 of 1

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Telephone: 630 953-9928
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WEI Job No.: 414-07-01
Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Datum: CCD
Elevation: 1.52 ft
North: 1839377.86 ft
East: 1173947.13 ft
Station: 204452
Offset: 46' LT

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 (%)	
		13-inch thick, CONCRETE --PAVEMENT--																
	5.1	9-inch thick, CRUSHED STONE --BASE COURSE--																
	2.5	Hard, gray CLAY, trace gravel	1		14	NP	6											
			21															
		Hard, gray CLAY, trace gravel	2		10													
			7		4.50													
		Hard, gray CLAY, trace gravel	3		5													
			5		4.50													
		Hard, gray CLAY, trace gravel	4		4													
			8		4.50													
	3.3	Medium dense, gray SILT to fine SAND	5		7													
			11															
		Hard, gray CLAY, trace gravel	6		7													
			9		4.50													
	4.8	Hard, gray CLAY, trace gravel	7		6													
			8															
		Hard, gray CLAY, trace gravel	8		6													
			6		4.25													
		Hard, gray CLAY, trace gravel	9		6													
			8															
	7.8	Boring terminated at 12.00 ft	10		7													
			6															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

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 (%)	
		9-inch thick of CONCRETE over 4-inch thick of ASPHALT --PAVEMENT--																
	0.4	9-inch thick, of CRUSHED STONE --BASE COURSE--	1		37	NP	6											
			19															
		Hard, gray CLAY, trace gravel	2		11													
			10		4.50													
		Medium dense, brown, fine SAND	3		8	NP	12											
			6															
		Hard, gray CLAY, trace gravel	4		4													
			6		4.50													
		Hard, gray CLAY, trace gravel	5		7													
			7		4.25													
		Hard, gray CLAY, trace gravel	6		6													
			7															
		Hard, gray CLAY, trace gravel	7		7													
			10		4.50													
		Hard, gray CLAY, trace gravel	8		6													
			6		4.50													
		Boring terminated at 12.00 ft	9		6													
			10															

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

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)

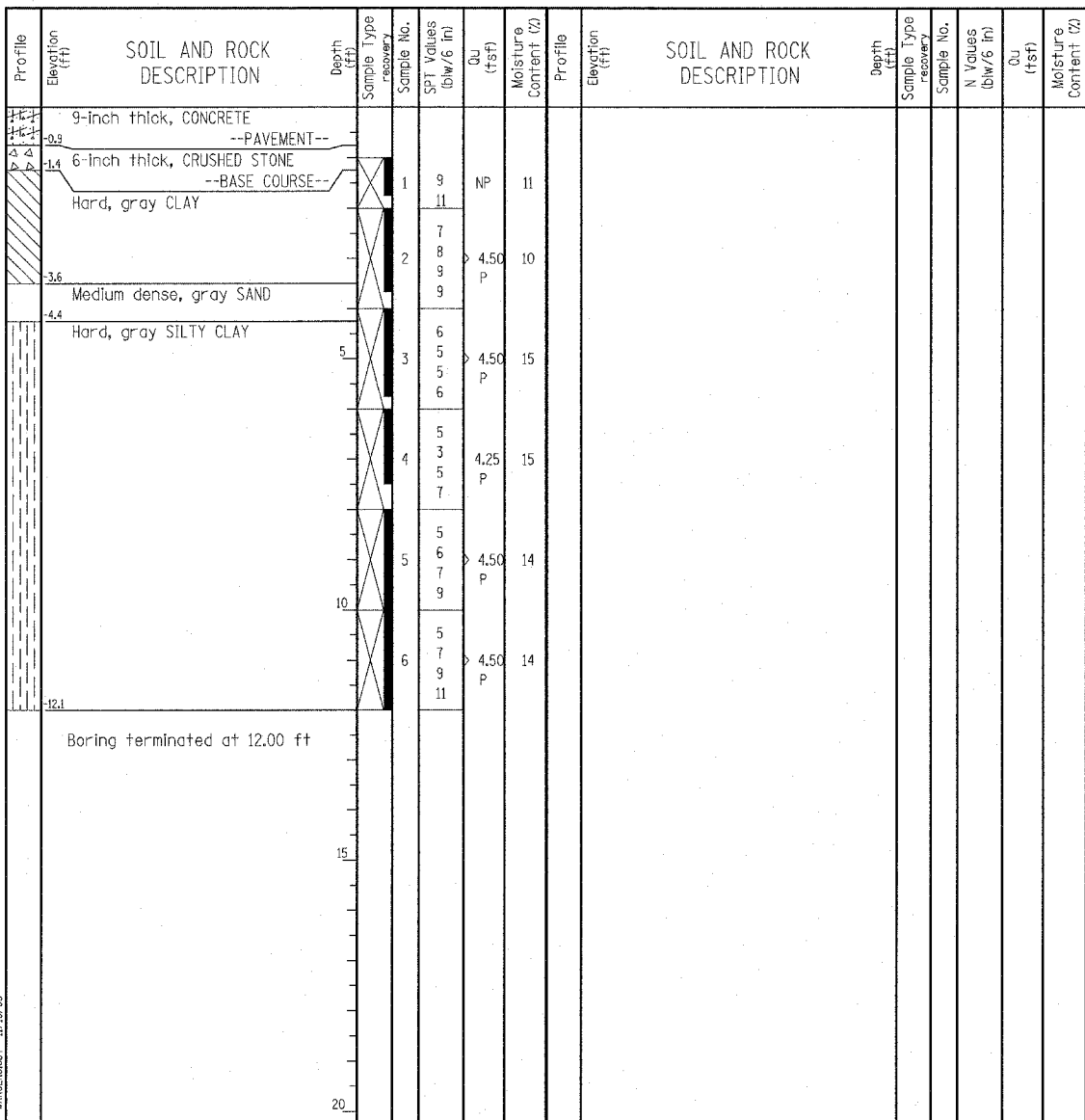
SOIL BORINGS SP-03 & SP-04

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-05 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -0.14 ft
 North: 1839321.73 ft
 East: 1174202.11 ft
 Station: 207+06
 Offset: 16' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



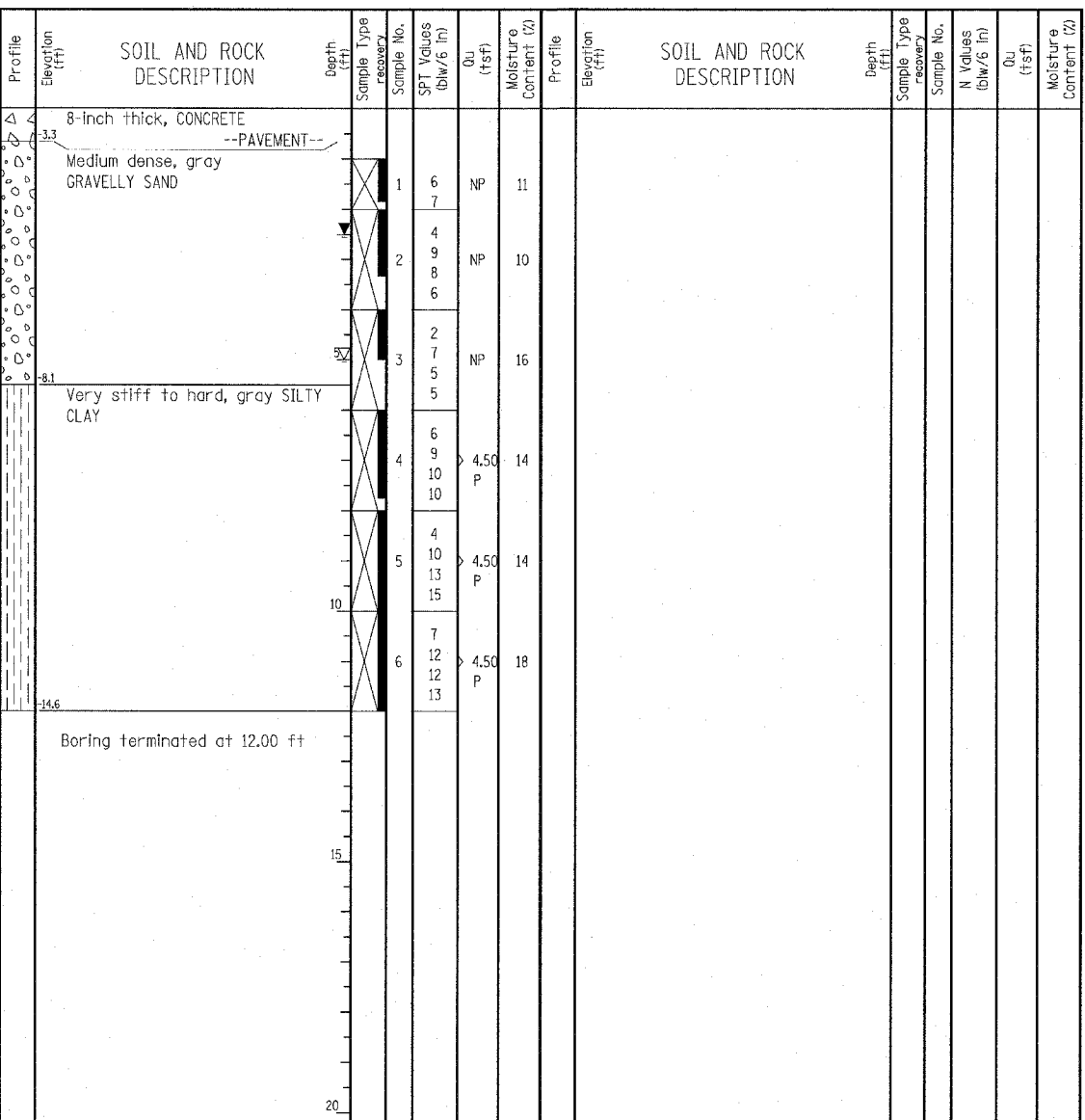
GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	While Drilling	∇ DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY	
Driller	J&L	Logger	K. Jacob	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled 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-06 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -2.61 ft
 North: 1839346.52 ft
 East: 1174747.79 ft
 Station: 212+52
 Offset: 5' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	While Drilling	∇ 5.00 ft	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ 2.50 ft	
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.

TYLIN INTERNATIONAL

LEGEND

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

REVISIONS	
NAME	DATE

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

Datum: CCD
 Elevation: -2.62 ft
 North: 1839402.86 ft
 East: 1175180.05 ft
 Station: 216+86
 Offset: 41' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
	-1.4	9-inch thick, CONCRETE --PAVEMENT--															
	-3.9	6-inch thick, CRUSHED STONE --BASE COURSE--															
		Hard, gray CLAY, trace gravel	1	X	6	> 4.50		11									
					7												
			2	X	9	> 4.50		14									
					7												
					7												
			3	X	5	> 4.50		14									
					4												
					6												
	-3.9	Medium dense, gray SILT to SILTY LOAM	4	X	6	> 4.50		12									
					10												
					14												
			5	X	4	NP		12									
					10												
					13												
	-12.6	Hard, gray CLAY, trace gravel	6	X	8	> 4.50		12									
					10												
					12												
					13												
	-14.6	Boring terminated at 12.00 ft															

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	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.	

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BORING LOG SP-08
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.46 ft
 North: 1839362.86 ft
 East: 1175429.08 ft
 Station: 219+34
 Offset: 6' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
	-2.0	7-inch thick, CONCRETE --PAVEMENT--															
	-2.8	9-inch thick, CRUSHED STONE --BASE COURSE--															
		Hard, gray SILTY CLAY	1	X	3	> 4.50		13									
					4												
					6												
	-4.0	Medium dense, gray SAND	2	X	9	> 4.50		11									
		Hard, gray SILTY CLAY			9												
					10												
			3	X	5	> 4.50		12									
					7												
					7												
					9												
			4	X	6	> 4.50		13									
					7												
					7												
			5	X	6	> 4.50		12									
					7												
					8												
					10												
			6	X	7	> 4.50		12									
					9												
					10												
					13												
	-13.5	Boring terminated at 12.00 ft															

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	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

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-07 & SP-08

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-09
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.21 ft
 North: 1839371.80 ft
 East: 1175955.66 ft
 Station: 400+00
 Offset: 10' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.6	8-inch thick, CONCRETE --PAVEMENT--												
0.8	9-inch thick, CRUSHED STONE --BASE COURSE--		1	2 5 48	NP	9							
	Dense to very dense, green and gray GRAVELLY SAND with slag --FILL--		2	13 34 50/5	NP	39							
			3	17 34 13 10	NP	12							
3.3	Hard, gray SILTY CLAY		4	10 9 10 10	4.50 P	12							
			5	6 7 6 7	4.25 P	14							
			6	7 6 9 9	4.50 P	12							
3.8	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	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 gradue.							

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BORING LOG SP-10
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.96 ft
 North: 1839368.04 ft
 East: 1176243.48 ft
 Station: 402+84
 Offset: 32' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
3.5	6-inch thick, black CLAY LOAM --TOPSOIL--												
	Stiff to very stiff, gray SILTY CLAY LOAM		1	3 5 7 6	4.50 P	14							
	--A-4 (S)-- --LL=27%, PL=18%--		2	6 7 7 6	3.75 P	15							
			3	6 3 3 3	1.75 P	19							
2.7	Medium dense, gray SILT		4	7 9 13 9	NP	13							
5.0	Hard, gray SILTY CLAY		5	10 14 14 13	4.50 P	11							
			6	11 14 12 12	4.50 P	13							
8.0	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-30-2005	Complete Drilling	08-30-2005	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 gradue.							

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-09 & SP-10

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

<p>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</p>	<h3>BORING LOG SP-11</h3> <p>WEI Job No.: 414-07-01</p>		<p>Datum: CCD Elevation: 5.57 ft North: 1839428.14 ft East: 1176532.16 ft Station: 405+75 Offset: 35' RT</p>
	Client	T. Y. LIN International, Inc.	
	Project	Dan Ryan Contracts 62304 (20) and 62593 (23)	
Location	City of Chicago, Cook County, Illinois		

<p>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</p>	<h3>BORING LOG SP-12</h3> <p>WEI Job No.: 414-07-01</p>		<p>Datum: CCD Elevation: 5.33 ft North: 1839524.55 ft East: 1176833.19 ft Station: 408+90 Offset: 33' RT</p>
	Client	T. Y. LIN International, Inc.	
	Project	Dan Ryan Contracts 62304 (20) and 62593 (23)	
Location	City of Chicago, Cook County, Illinois		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.6	12-inch thick, black LOAM --TOPSOIL--	4	X	1	4	NP	9								
	Very stiff, gray CLAY, trace gravel	4	X	2	6										
		6	X	3	6										
		20	X	4	10	3.25 P	15								
		10	X	5	10	P									
		11	X	6	11										
	Very soft to medium stiff, gray CLAY	5	X	7	4	0.50 P	19								
		4	X	8	4										
		3	X	9	4										
		3	X	10	3	0.25 P	21								
		2	X	11	2										
		1	X	12	1										
		2	X	13	2										
	Very stiff to hard, gray CLAY, trace gravel	2	X	14	1	4.00 P	14								
		3	X	15	3										
		4	X	16	4										
		10	X	17	10										
		3	X	18	3	4.00 P	13								
		4	X	19	4										
		5	X	20	5										
	Boring terminated at 12.00 ft														
		15													
		20													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	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	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.							

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	10-inch thick, CONCRETE	4	X												
4.5	--PAVEMENT--	4.5	X												
	14-inch thick, CRUSHED STONE	4	X												
	--BASE COURSE--	4.3	X												
	Very loose to dense, brown and green, medium to coarse SAND	7	X	1	5	NP	6								
		19	X	2	14	NP	38								
		7	X	3	7										
		14	X	4	14										
		7	X	5	7										
		5	X	6	5	NP	22								
		12	X	7	12										
		5	X	8	5										
		4	X	9	4										
		0	X	10	0	NP	24								
		0	X	11	0										
	Very stiff, gray SILTY CLAY	2.4	X	12	2										
		3	X	13	3	3.00 P	14								
		3	X	14	3										
		4	X	15	4										
		10	X	16	10										
		3	X	17	3	2.50 P	15								
		4	X	18	4										
		5	X	19	5										
	Boring terminated at 12.00 ft														
		15													
		20													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-12-2005	Complete Drilling	09-12-2005	While Drilling	▽	7.00 ft	
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	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

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BORING LOG SP-13
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 6.09 ft
 North: 1839593.75 ft
 East: 1177125.81 ft
 Station: 411+97
 Offset: 33' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
7.54	8-inch thick, CONCRETE --PAVEMENT--														
	Medium dense to very dense, brown and green coarse SAND	1		1	37	NP	29								
		2		2	12	NP	33								
1.6	Very soft, brown SILTY CLAY LOAM --A-4 (5)-- --LL=26%, PL=17%--	3		3	0	K	0.25	21							
		4		4	0	K	0.25	21							
1.9	Very stiff, brown CLAY	5		5	2	P	3.00	13							
		6		6	7	P	3.00	19							
		10		10	13	P									
		15		15	8										
-5.9	Boring terminated at 12.00 ft														

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. 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.							

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BORING LOG SP-14
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 5.09 ft
 North: 1839606.76 ft
 East: 1177423.85 ft
 Station: 415+02
 Offset: 28' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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	10-inch thick, CONCRETE --PAVEMENT--														
	Very dense, brown and green coarse SAND	1		1	16	NP	18								
		2		2	42	NP	32								
		3		3	3	K	0.25	22							
	Very soft to hard, brown CLAY, with sand lenses	4		4	4	K	0.25	22							
		5		5	0	P	2.00	17							
		6		6	6	P	4.50	13							
		10		10	0										
		15		15	0										
-5.9	Boring terminated at 12.00 ft														

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. 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-13 & SP-14

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-18
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.97 ft
 North: 1839011.18 ft
 East: 1180558.30 ft
 Station: 2003+15
 Offset: 30' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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BORING LOG SP-19
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.49 ft
 North: 1839160.23 ft
 East: 1178852.95 ft
 Station: 2020+43
 Offset: 40' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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, CONCRETE --PAVEMENT--														
	Very stiff to hard, brown to gray SILTY CLAY	1	X	1	1	4.50	15								
		3	X	3											
		7	X	7											
		2	X	5	3.00	27									
		4	X	4											
		5	X	6											
		3	X	5	4.00	17									
		7	X	6											
		4	X	8	4.50	12									
		7	X	7											
		10	X	10											
		5	X	7	4.50	11									
		8	X	8											
		10	X	10											
		6	X	9	4.50	12									
		8	X	8											
		9	X	9											
-8.0	Boring terminated at 12.00 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 (%)
3.3	10-inch thick, CONCRETE --PAVEMENT--														
	Medium dense, gray fine to medium SAND	1	X	8	NP	13									
		6	X	6											
		2	X	9	NP	16									
		8	X	8											
		7	X	7											
		5	X	14	NP	14									
		3	X	7											
		7	X	6											
		4	X	3	NP	20									
		3	X	5											
		6	X	6											
		5	X	4	4.50	13									
-10.5	Very stiff, gray SILTY CLAY	4	X	4											
		10	X	5											
		5	X	5											
		6	X	4	3.00	14									
		4	X	5											
		5	X	6											
-13.5	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	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							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-11-2005	Complete Drilling	09-11-2005	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							

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-20

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -3.73 ft
North: 1839338.09 ft
East: 1178609.82 ft
Station: 2023+39
Offset: 25' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois



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BORING LOG SP-21

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -6.55 ft
North: 1839548.47 ft
East: 1178388.07 ft
Station: 2026+41
Offset: 20' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4	4.6	10-inch thick, CONCRETE --PAVEMENT--						
		Medium dense, gray SILTY LOAM	1	2	2	NP	12	
		--A-4 (1)-- --LL=23%, PL=20%--	2	6	8	NP	14	
			3	6	8			
	5.7	Stiff to very stiff, gray SILTY CLAY LOAM	5	6	3	3.00 P	14	
			4	3	3	1.50 P	15	
			5	2	4	2.50 P	14	
			6	4	6	1.50 P	15	
	15.7	Boring terminated at 12.00 ft						

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4	7.4	10-inch thick, CONCRETE --PAVEMENT--						
		14-inch thick CRUSHED STONE	1	8	13	NP	3	
		--BASE COURSE--	2	5	8	4.50 P	12	
		Very stiff to hard, gray SILTY CLAY	3	5	5	4.00 P	16	
			4	4	4	3.50 P	16	
			5	6	7	4.50 P	13	
			6	11	17	3.50 P	14	
	18.6	Boring terminated at 12.00 ft						

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. Sugiarto	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	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. Sugiarto	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-20 & SP-21

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-22
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -5.54 ft
North: 1839829.96 ft
East: 1178179.47 ft
Station: 2029+89
Offset: 12' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Page 1 of 1

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 (%)
-6.5	12-inch thick CONCRETE --PAVEMENT--												
	Medium dense, brown SAND	1	10	NP	9								
		9											
		18											
-8.5	Hard, brown to gray SILTY CLAY	2	7	4.50	12								
		8											
		7											
-9.5	Medium dense, brown medium SAND	3	11	4.50	6								
		4											
		3											
		4											
-11.0	Hard, gray SILTY CLAY	4	4	NP	4								
		1											
		0											
		1											
-11.5	Very loose, brown medium SAND	5	2	NP	15								
		1											
		0											
		1											
		10											
		6											
		0											
		0											
		7											
		0											
		0											
-19.5	Boring terminated at 14.00 ft	15											
		20											

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	S. Sugiarto	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				Depth to Water	∇ NA
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>						

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BORING LOG SP-23
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 1.17 ft
North: 1840123.25 ft
East: 1178061.85 ft
Station: 2033+04
Offset: 21' RT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

Page 1 of 1

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 (%)
	2-inch thick ASPHALT over 15-inch thick CONCRETE --PAVEMENT--												
0.3	Stiff to hard, gray CLAY, trace gravel	1	3	1.00	14								
		3											
		2											
		3											
		2											
		8											
-3.8	Medium dense, gray SILT	5	14	4.50	14								
		11											
-4.3	Very stiff to hard, gray CLAY, trace gravel	3	10	4.50	13								
		4											
		8											
		7											
		8											
		9											
		7											
		6											
		10											
		6											
		9											
		7											
		6											
		9											
		5											
		5											
		6											
10.8	Boring terminated at 12.00 ft	15											
		20											

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	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
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>						

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-22 & SP-23

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-24 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 10.05 ft
 North: 1840375.76 ft
 East: 1177944.56 ft
 Station: 2035+83
 Offset: 8' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
11.4	14-inch thick, CONCRETE --PAVEMENT--														
8.3	Gray medium to coarse SAND	1	X	3	NP	16									
7.6	Medium stiff to very stiff, gray CLAY	2	X	2	1.00	20									
		5	X	3	0.50	20									
		4	X	1	0.25	23									
		5	X	1	0.25	22									
0.1	Medium stiff, gray SILTY CLAY	6	X	1	0.50	21									
2.0	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	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.

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BORING LOG SP-25 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 12.35 ft
 North: 1840655.35 ft
 East: 1177922.10 ft
 Station: 2038+62
 Offset: 20' RT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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 (%)
11.8	7-inch thick, CONCRETE --PAVEMENT--														
11.3	6-inch thick, CRUSHED STONE --BASE COURSE--	1	X	3	NP	19									
	Very soft to stiff, gray CLAY	2	X	4	1.25	20									
		5	X	3	0.25	22									
		4	X	1	0.25	22									
		5	X	1	0.25	22									
		6	X	1	0.25	21									
0.7	Very stiff, gray CLAY, trace gravel	7	X	2	2.25	16									
1.7	Boring terminated at 14.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-31-2005	Complete Drilling	08-31-2005	While Drilling	∇	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	K. Jqcob	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-24 & SP-25

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-28
WEI Job No.: 414-07-01
Datum: CCD
Elevation: -2.23 ft
North: 1841888.30 ft
East: 1177878.59 ft
Station: 2205+20
Offset: 54' RT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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 (%)
3.2	12-inch thick, ASPHALT --PAVEMENT--														
	18-inch thick, CRUSHED STONE --BASE COURSE--	1	X	4	NP	2									
4.7	Loose, white SANDY GRAVEL --FILL--	2	X	15	NP	3									
		3	X	2											
		5	X	11											
		3	X	3											
		1	X	1											
8.2	Very dense, white SANDY GRAVEL --FILL--	4	X	20	NP	3									
		5	X	48	NP	4									
		10	X	33											
12.2	Hard, gray SILTY CLAY	6	X	28		16									
		9	X	6											
		7	X	10		13									
14.2				13											
	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-07-2005	Complete Drilling	09-07-2005	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.							

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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 (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 (%)
0.7	7-inch thick, CONCRETE --PAVEMENT--														
	Very dense, green coarse SAND --FILL--	1	X	10	NP	31									
		2	X	21	NP	35									
		3	X	36											
		5	X	20											
		3	X	27											
	Very stiff to hard, gray SILTY CLAY	3	X	3		12									
		5	X	5		12									
		7	X	7		12									
		8	X	8		12									
		9	X	9		12									
		10	X	9		16									
		6	X	5		16									
		8	X	5		16									
		5	X	6											
		5	X	5											
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-28 & SP-46

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-47
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -7.95 ft
North: 1839874.54 ft
East: 1177249.65 ft
Station: 335+99
Offset: 16' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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	10-inch thick, CONCRETE												
8.8	--PAVEMENT--												
8.8	2-inch thick, CRUSHED STONE												
8.8	--BASE COURSE--												
	Very stiff to hard, gray SILTY CLAY LOAM	1	8	2.00	16					9	4	5.58	12
		2	6							8	8		
		2	2							9	9		
		5	10	2.46	15		-32.0	Boring terminated at 24.00 ft		10	50	5.74	14
		5	4					--AUGER REFUSAL--					
		5	4										
		3	3	2.05	18								
	--A-4 (2)-- --LL=22%, PL=16%--	3	3										
		3	5										
		4	13	8.94	11								
		4	11										
		4	13										
	Hard, gray SILTY CLAY	5	6	11.56	11								
		5	10										
		5	15										
		6	7	11.32	12								
		6	10										
		6	11										
		7	6	7.38	13								
		7	7										
		7	8										
		8	5	5.82	13								
		8	5										
		8	9										

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.							

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BORING LOG SP-48
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -14.64 ft
North: 1839879.51 ft
East: 1177556.85 ft
Station: 332+85
Offset: 20' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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	10-inch thick CONCRETE												
15.5	--PAVEMENT--												
15.5	2-inch thick CRUSHED STONE												
15.5	--BASE COURSE--												
	Very stiff to hard, gray SILTY CLAY	1	4	2.50	11								
		1	4										
		2	7	4.50	12								
		2	8										
		2	8										
		3	6	4.50	13								
		3	7										
		3	7										
		4	9	4.50	12								
		4	12										
		4	12										
		4	13										
		5	9	4.50	11								
		5	14										
		5	12										
		5	12										
		6	9	4.50	12								
		6	12										
		6	12										
		6	14										
	Boring terminated at 12.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-08-2005	Complete Drilling	09-08-2005	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-47 & SP-48

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-49
WEI Job No.: 414-07-01

Datum: CCD
Elevation: -15.22 ft
North: 1839828.68 ft
East: 1177826.33 ft
Station: 330+06
Offset: 21' LT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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 (%)
16.0	9-inch thick, ASPHALT --PAVEMENT--														
16.2	3-inch thick, CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY	1		8	4.50		11								
		4		14			11								
		10		10	4.50		11								
		10		10											
		5		14			11								
		12		9	4.50		11								
		9		9											
		8		6	4.50		12								
		5		8			12								
		10		8	4.50		12								
		9		9											
		7		9	4.50		13								
		8		8											
		7		7											
27.2	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-08-2005	Complete Drilling	09-08-2005	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

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BORING LOG SP-50
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 25.71 ft
North: 1840234.16 ft
East: 1177540.34 ft
Station: 243+17
Offset: 1' RT

Client: T. Y. LIN International, Inc.
Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
Location: City of Chicago, Cook County, Illinois

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 (%)
24.4	10-inch thick, CONCRETE --PAVEMENT--														
24.7	2-inch thick, CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray CLAY	1		4			14								
		3		8											
		4		7	4.50		15								
		10		10											
		5		14			15								
		7		7	4.50		15								
		8		8											
		7		7											
		5		5											
		1		1	0.50		20								
		1		1											
		3		3											
		5		5	4.00		21								
		4		4											
		5		5											
		10		5											
		3		3	3.00		28								
		4		4											
		6		6											
13.7	Boring terminated at 12.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-08-2005	Complete Drilling	09-08-2005	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

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-49 & SP-50

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SP-51
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 22.64 ft
 North: 1840646.22 ft
 East: 117720.32 ft
 Station: 247+84
 Offset: 29' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
22.64	9-inch thick, CONCRETE --PAVEMENT--												
21.9	3-inch thick, CRUSHED STONE --BASE COURSE--												
10.6	Very stiff, gray CLAY	1	3	3.00	13								
		2	3	3.50	15								
		3	4										
		4	5										
		5	7	2.50	17								
		6	4										
		7	5										
		8	6										
		9	3	3.00	22								
		10	5										
		11	7										
		12	5	3.50	14								
		13	5										
		14	4	3.50	14								
		15	3										
		16	5										
		17	6										
		18	3	3.50	14								
		19	5										
		20	6										

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	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.			

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BORING LOG SP-54
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.21 ft
 North: 1839548.23 ft
 East: 1176630.96 ft
 Station: 231+65
 Offset: 34' LT

Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
4.21	9-inch thick, CONCRETE --PAVEMENT--												
2.8	8-inch thick, CRUSHED STONE --BASE COURSE--												
0.8	Hard, gray SILTY CLAY LOAM	1	25	NP	11								
		2	6	4.50	18								
		3	4										
		4	4										
		5	6	0.25	20								
		6	2										
		7	2										
		8	2										
		9	1	1.50	18								
		10	1										
		11	4										
		12	3	4.50	13								
		13	7										
		14	12										
		15	12										
		16	9	4.50	13								
		17	9										
		18	12										
		19	10										

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2005	Complete Drilling	09-01-2005	While Drilling	▽	DRY	
Drilling Contractor	Precon Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	K. Jgcob	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

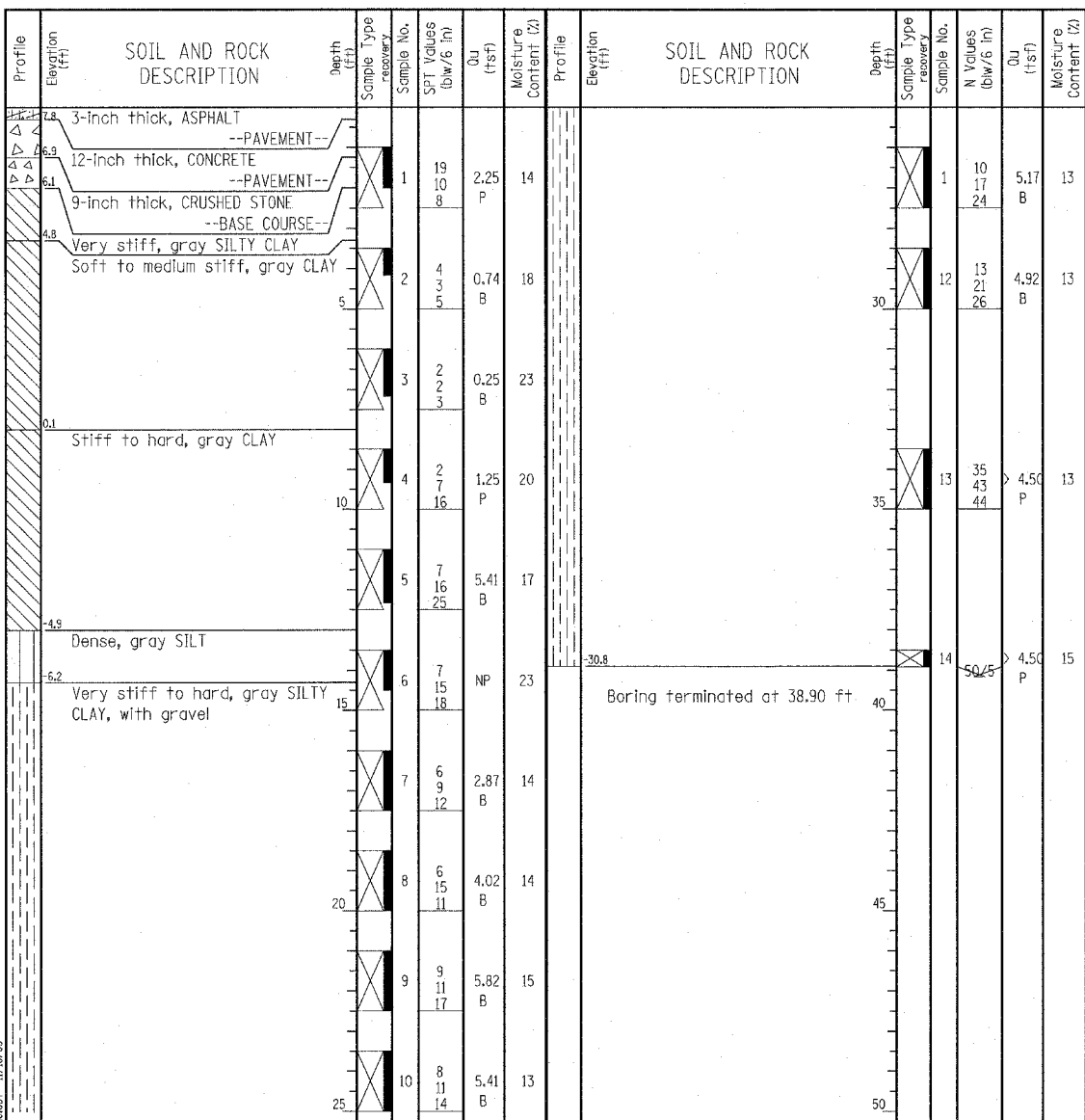
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-51 & SP-54

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 01-01
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 8.15 ft
 North: 1842967.57 ft
 East: 1177888.51 ft
 Station: 2215+98.1
 Offset: 94.868' 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

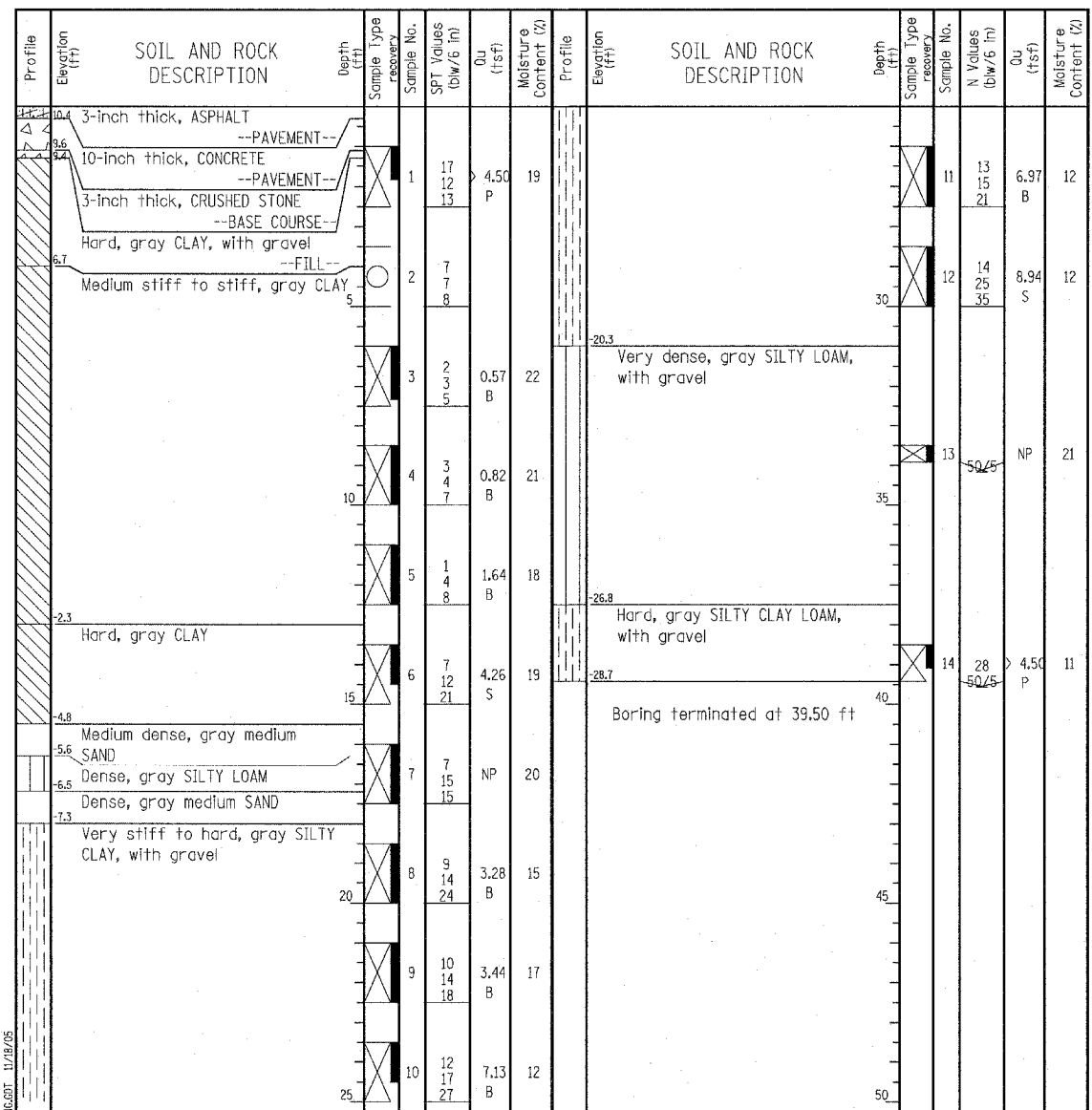


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2004	Complete Drilling	02-02-2004	While Drilling	☑	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	▼	DRY	
Driller	J&J	Logger	S. Janowski	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
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BORING LOG SB 01-02
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 10.69 ft
 North: 1842895.47 ft
 East: 1177894.80 ft
 Station: 2215+25.8
 Offset: 99.093' 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	01-26-2004	Complete Drilling	01-26-2004	While Drilling	☑	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	▼	DRY	
Driller	J&J	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.							

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 01-01 & SB 01-02

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

BORING LOG SB 01-03 Page 1 of 1

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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: 13.35 ft
North: 1842817.66 ft
East: 1177888.52 ft
Station: 2214+48.2
Offset: 90.587' RT

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
13.35	2-inch thick, ASPHALT	0.0					13.35		0.0				
12.4	10-inch thick, CONCRETE	0.5					12.4		0.5				
11.5	9-inch thick, CRUSHED STONE	1.0	1	9 6 3 5	3.50 P	16	11.5		1.0	12	5 7 10	4.67 B	14
10.4	Very stiff, brown and gray CLAY	1.5	2	7 7 7 5	NP	6	10.4		1.5	13	5 8 10	4.84 B	13
	Loose to medium dense, brown medium SAND	5.0	3	6 5 3 2	NP	10			5.0	14	10 15 17	> 4.50 P	13
		10.0	4	3 1 1 2	NP	16			10.0	15	10 18 19	6.31 S	10
		2.4	5	4 2 1 1	NP	25			2.4	16	5 9 11	5.25 B	12
	Very soft, gray CLAY	6.0	6	1 1 2 2	0.16 B	21			6.0	17			
	Very stiff, gray CLAY	15.0	7	1 1 4 6	2.71 B	19			15.0	18			
		3.1	8	4 10 13	NP	15			3.1	19			
	Medium dense, gray SILTY LOAM	20.0	9	5 11 13	NP	15			20.0	20			
	Hard, gray SILTY CLAY, with gravel	25.0	10	6 9 11	4.67 B	13			25.0	21			
			11		5.25 B	12				22			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-22-2004	Complete Drilling	01-22-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	H. Suhail	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

BORING LOG SB 01-04 Page 1 of 1

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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: 15.29 ft
North: 1842745.19 ft
East: 1177895.70 ft
Station: 2213+75.6
Offset: 95.697' RT

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
15.29	2-inch thick, ASPHALT	0.0					15.29		0.0				
14.3	10-inch thick, CONCRETE	0.5					14.3		0.5				
12.3	24-inch thick, CRUSHED STONE	1.0	1	4 7 10	NP	5	12.3		1.0	11	4 5 8	4.35 B	14
	Very loose to loose, brown medium SAND	5.0	2	3 2 3	NP	7			5.0	12	9 16 18		
		10.0	3	2 2 3	NP	8			10.0	13	6 13 20	10.00 B	10
		3.8	4	1 1 1	NP	26			3.8	14	0 0 0	0.08 B	25
	Very soft to soft, gray CLAY	15.0	5	0 0 0	0.08 B	25			15.0	15	0 1 1	0.25 B	22
		0.2	6	0 1 1	0.25 B	22			0.2	16	5 10 13	5.08 B	14
	Hard, gray CLAY	2.7	7	5 10 13	5.08 B	14			2.7	17	8 12 14	NP	14
	Medium dense, gray SILTY LOAM	20.0	8	8 12 14	NP	14			20.0	18	9 12 17	NP	19
		6.5	9	9 12 17	NP	19			6.5	19	12 13 20	NP	13
	Hard, gray SILTY CLAY, with gravel	25.0	10	5 7 11	5.00 B	13			25.0	20			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2004	Complete Drilling	01-21-2004	While Drilling	∇	42.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	8.00 ft	
Driller	J&B	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 01-03 & SB 01-04

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 01-05 Page 1 of 2

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: 16.54 ft
 North: 1842671.40 ft
 East: 1177902.43 ft
 Station: 2213+01.6
 Offset: 100.307' 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 (%)
16.5	2-inch thick, ASPHALT --PAVEMENT--														
15.6	9-inch thick, CONCRETE --PAVEMENT--														
14.8	10-inch thick, CRUSHED STONE --BASE COURSE--														
13.5	Stiff, gray CLAY --FILL--			1	5 5 3	1.75 P	18					11	4 7 7	4.67 B	17
	Loose to medium dense, brown medium SAND --FILL--			2	5 5 6	NP	7					12	5 7 11	5.41 B	12
				3	3 2 2	NP	8					13	6 8 9	6.64 B	12
7.8	Very soft to stiff, gray CLAY			4	4 2 2		22					14	9 15 17	6.56 B	9
	--A-6 (7)-- --LL=29%, PL=18%--			5	0 1 1	0.16 B	24					15	14 18 19	> 4.50 P	12
				6	0 1 1	0.08 B	23					16	29 48 45	6.15 S	9
				7	0 1 2	0.90 B	18								
2.5	Very stiff to hard, gray SILTY CLAY, with gravel			8	2 6 6	4.43 B	14								
				9	3 5 6	5.25 B	13								
				10	3 5 7	3.27 B	15								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2004	Complete Drilling	01-21-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	H. Suhail	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 01-05 Page 2 of 2

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: 16.54 ft
 North: 1842671.40 ft
 East: 1177902.43 ft
 Station: 2213+01.6
 Offset: 100.307' 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 (%)
36.5	Very dense, gray GRAVELLY SANDY LOAM														
37.2															
	Boring terminated at 53.75 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2004	Complete Drilling	01-21-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	H. Suhail	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.			

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 01-05

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPC

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BORING LOG SB 02-02

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: -4.45 ft
 North: 1844508.44 ft
 East: 1177804.49 ft
 Station: 2231+40.7
 Offset: 54.993' RT

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 (%)
5.2	8-inch thick, CONCRETE --PAVEMENT--												
	Stiff, brown and gray CLAY LOAM, with gravel --FILL--	1	13	24	NP	12							
7.5	Very stiff to hard, gray SILTY CLAY, with gravel	2	8	7	3.77	12							
		3	7	11	4.10	11							
		4	7	9	4.02	12							
		5	7	9	3.94	11							
		6	3	11	5.00	11							
20.0	Very dense, gray SILTY LOAM, with gravel	7	15	25	NP	9							
		8	10	50/4	NP	10							
24.0	Boring terminated at 19.50 ft												

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR
Driller	J&L	Logger	K. Jacob
Checked by	N. Davis	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 02-04

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: -2.86 ft
 North: 1844345.87 ft
 East: 1177812.61 ft
 Station: 2229+78.0
 Offset: 58.453' RT

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 (%)
3.6	8-inch thick, CONCRETE --PAVEMENT--												
4.2	8-inch thick, CRUSHED STONE --BASE COURSE--	1	10	7	NP	4							
	Medium dense, brown SAND --FILL--	2	7	7	4.51	12							
5.9	Very stiff to hard, gray SILTY CLAY, with gravel	3	6	7	6.56	13							
		4	7	11	5.82	11							
		5	5	7	5.25	13							
		6	3	5	4.51	11							
		7	6	25	2.46	10							
19.9	--AUGER REFUSAL--												
	Boring terminated at 17.00 ft												

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR
Driller	J&L	Logger	K. Jacob
Checked by	N. Davis	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 02-02 & SB 02-04

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 02-08 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: -0.20 ft
 North: 1844042.40 ft
 East: 1177826.44 ft
 Station: 2226+74.3
 Offset: 63.596' 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 (%)
4.1	8-inch thick, CONCRETE --PAVEMENT--	0.9							Boring terminated at 24.50 ft						
1.3	5-inch thick, CRUSHED STONE --BASE COURSE--	1.3		1	13 11 11	4.50	12								
3.2	Hard, gray CLAY --FILL--	3.2		2	7 8 11	2.71	11								
	Stiff to hard, gray SILTY CLAY, with gravel	5		3	7 10 12	5.99	12								
		10		4	7 9 12	4.76	13								
		15		5	8 13 17	3.53	11								
		20		6	7 12 21	1.89	19								
		25		7	6 11 16	4.43	11								
		30		8	7 16 20	2.62	10								
		35		9	20 41 50/5	4.50	9								
		40		10	15 50/3	4.50	10								
		45													
		50													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	T&D	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 SB 02-10 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: 1.17 ft
 North: 1843894.89 ft
 East: 1177836.93 ft
 Station: 2225+26.5
 Offset: 69.861' 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 (%)
4.1	6-inch thick, CONCRETE --PAVEMENT--	0.7							Boring terminated at 24.25 ft						
2.4	6-inch thick, CRUSHED STONE --BASE COURSE--	0.7		1	13 12 8	2.62	16								
1.8	Very stiff, gray CLAY --FILL--	1.8		2	5 5 6	3.94	12								
	Very stiff, gray CLAY, with gravel	5		3	6 11 17	3.61	10								
	Very stiff to hard, gray SILTY CLAY, with gravel	10		4	7 11 12	3.03	12								
		15		5	5 9 13	4.84	12								
		20		6	4 11 15	2.79	11								
		25		7	6 10 13	4.51	11								
		30		8	5 7 12	4.10	13								
		35		9	13 46 50/3	NP	11								
		40		10	35 50/3	NP	8								
		45													
		50													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	T&D	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 SB 02-08 & SB 02-10

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 02-12 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

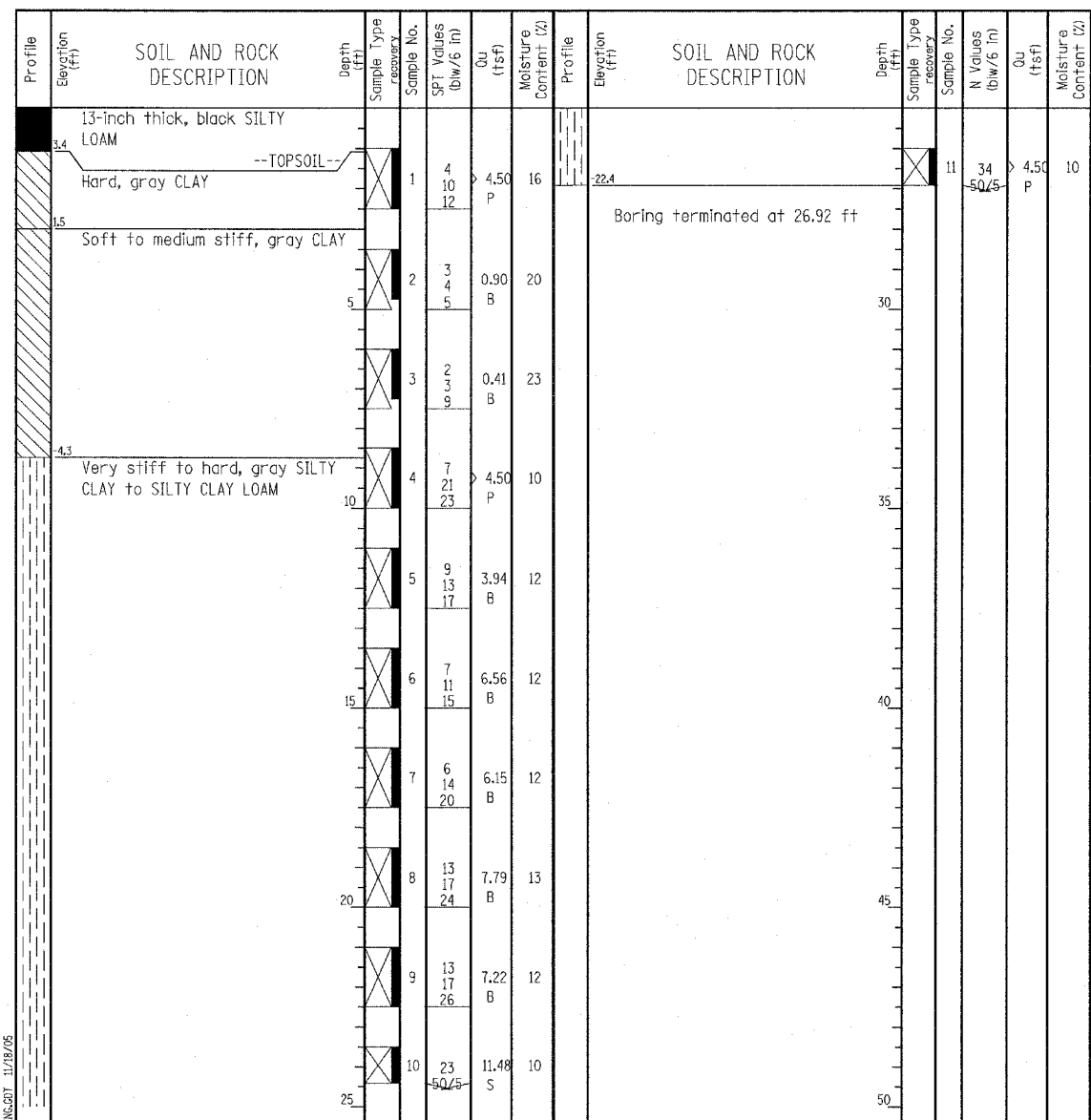
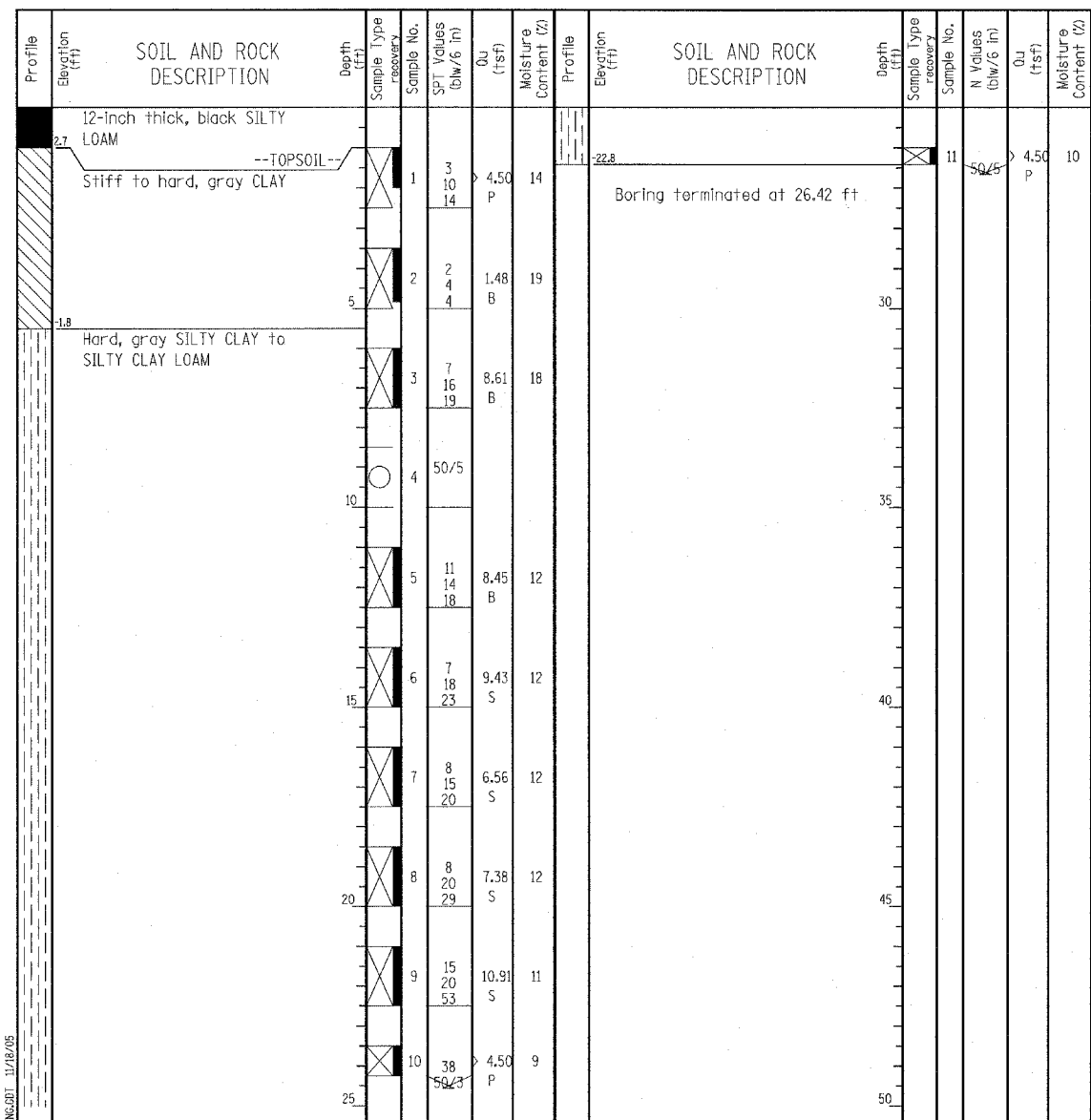
Datum: CCD
 Elevation: 3.65 ft
 North: 1843753.79 ft
 East: 1177841.57 ft
 Station: 2223+85.3
 Offset: 70.454' RT

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BORING LOG SB 02-14 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: 4.48 ft
 North: 1843601.05 ft
 East: 1177847.45 ft
 Station: 2222+32.5
 Offset: 71.965' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-02-2004	Complete Drilling	02-02-2004	While Drilling	∇	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	∇	DRY	
Driller	J&J	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.

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-02-2004	Complete Drilling	02-02-2004	While Drilling	∇	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	∇	DRY	
Driller	J&J	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.

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 02-12 & SB 02-14

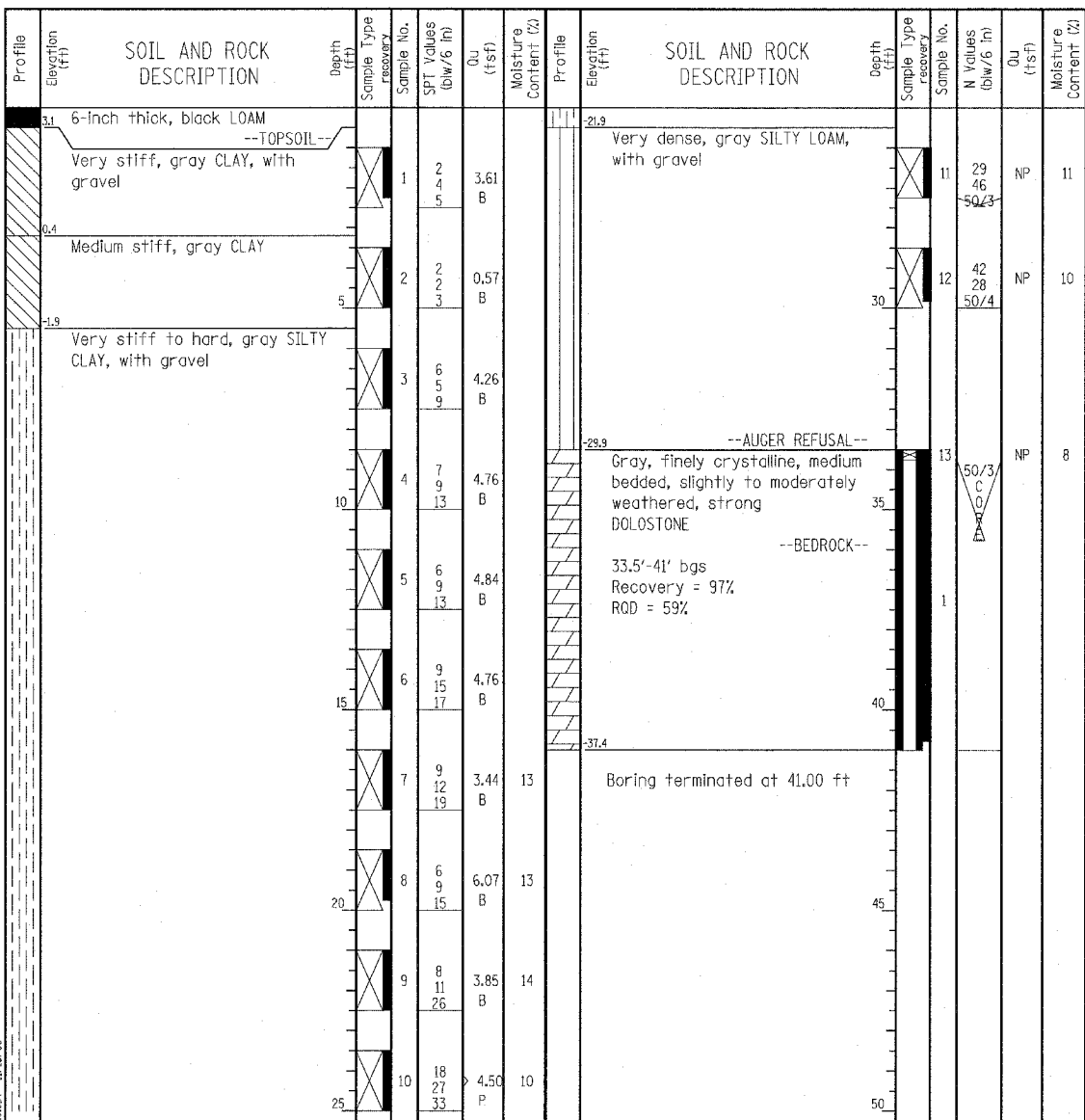
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BORING LOG SB 02-16 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.60 ft
 North: 1843453.44 ft
 East: 1177847.20 ft
 Station: 2220+84.9
 Offset: 67.466' 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



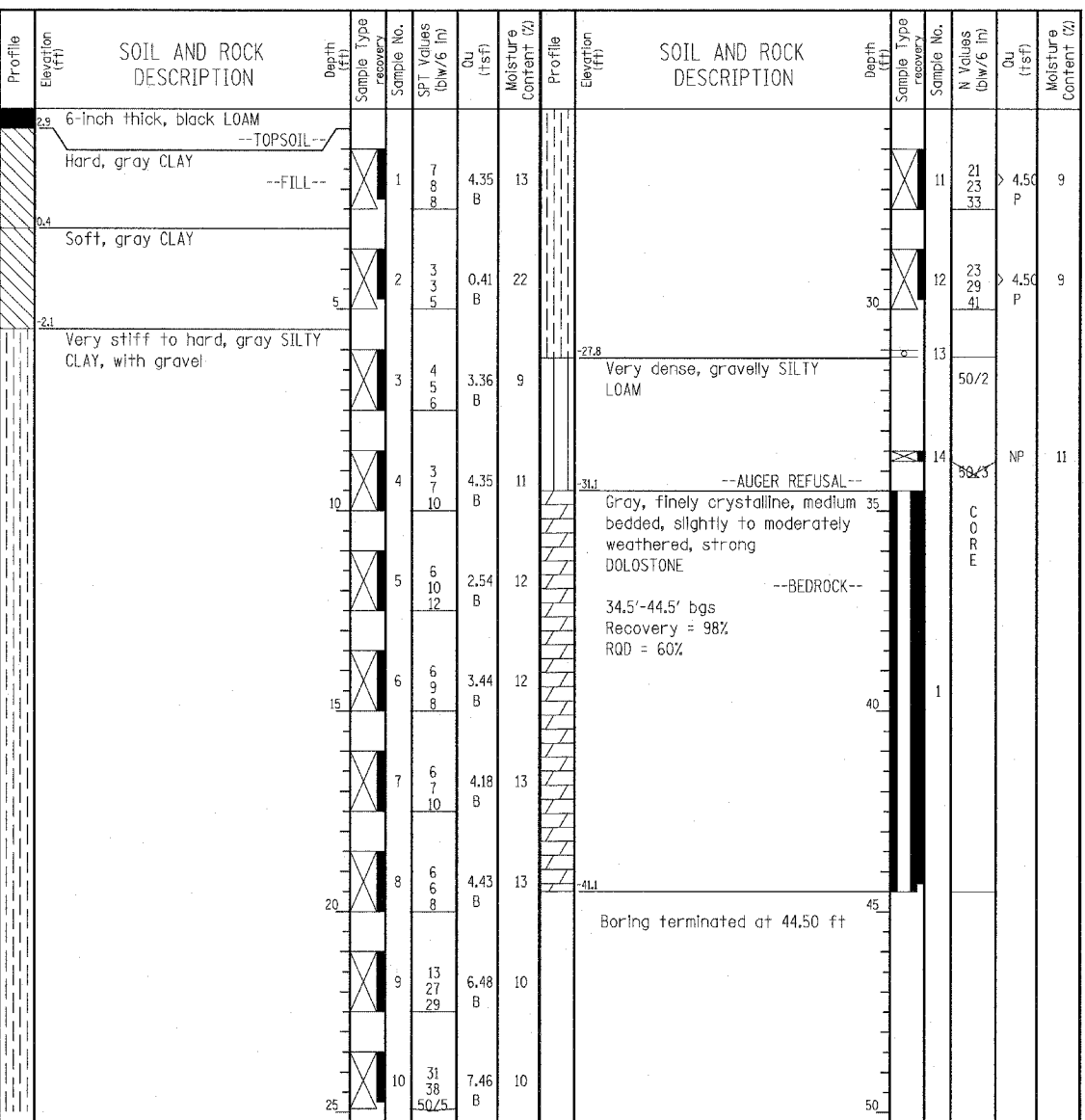
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2004	Complete Drilling	02-04-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	T&D	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG SB 02-18 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 3.39 ft
 North: 1843293.95 ft
 East: 1177858.89 ft
 Station: 2219+25.2
 Offset: 74.61' 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	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	T&D	Logger	B. Fugiel	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 02-16 & SB 02-18

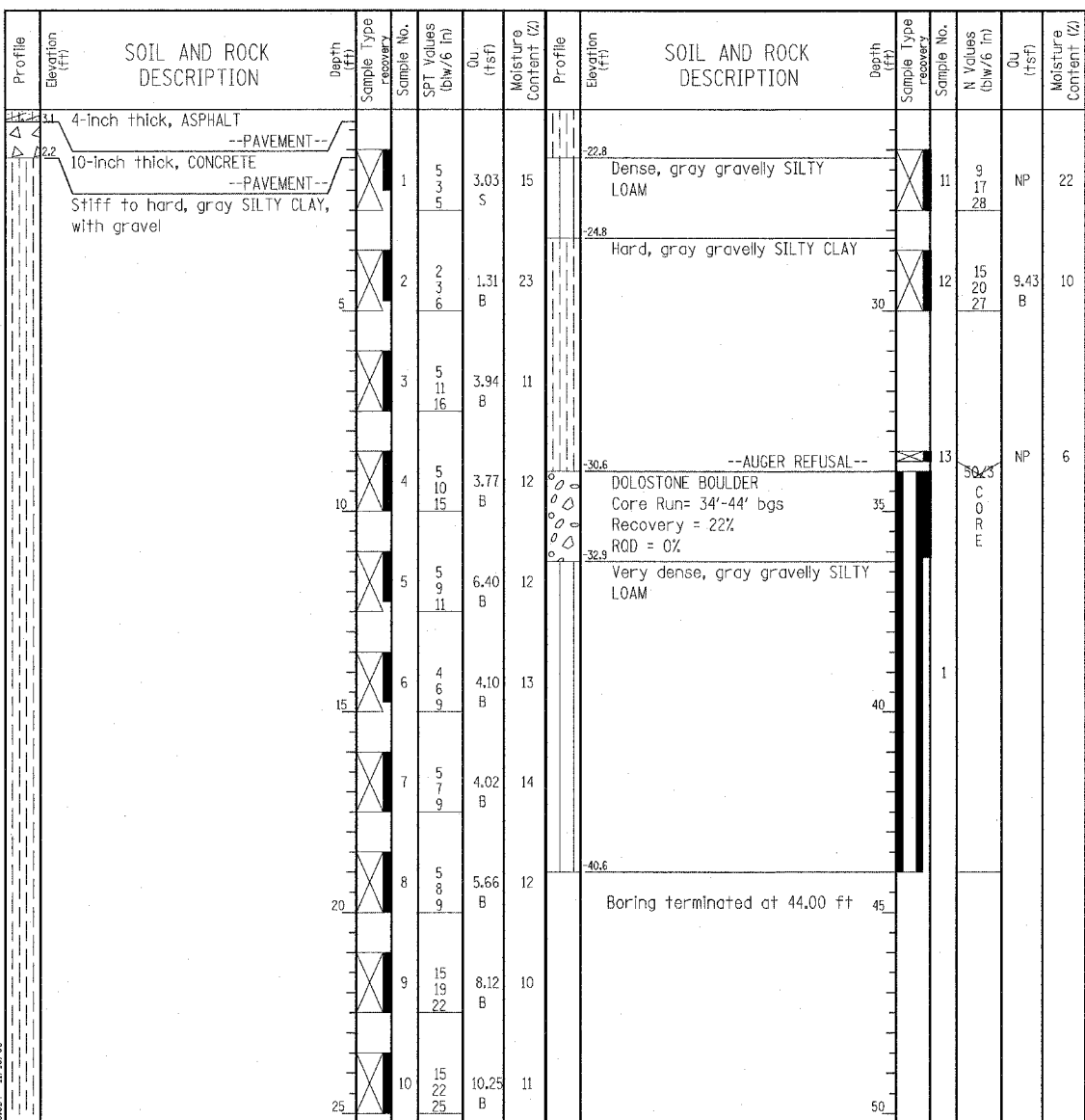
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BORING LOG SB 02-20 Page 1 of 1

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: 3.37 ft
 North: 1843154.37 ft
 East: 1177867.11 ft
 Station: 2217+85.4
 Offset: 78.826' RT



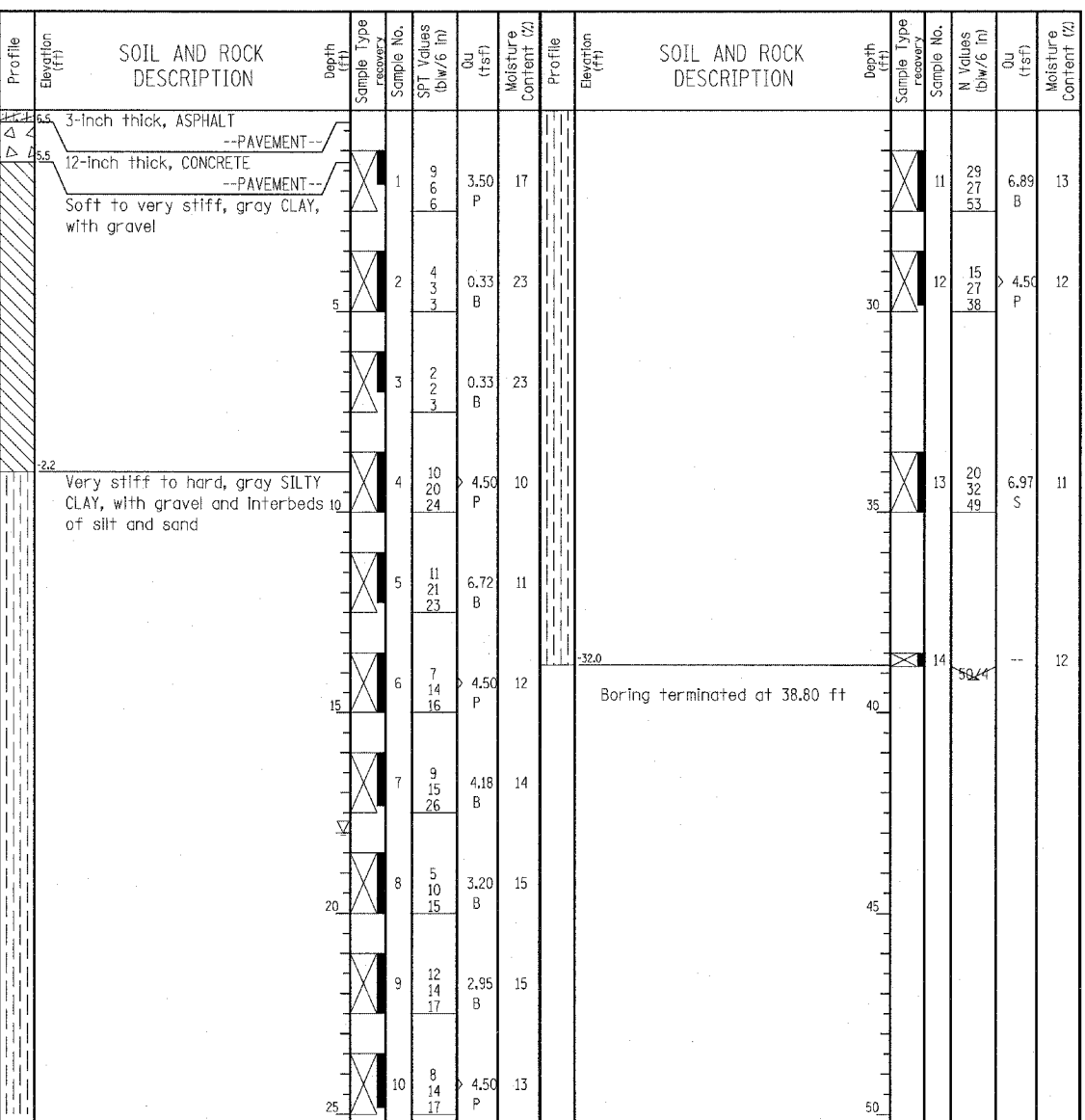
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2004	Complete Drilling	01-28-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	T&D	Logger	B. Fugiel	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled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

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BORING LOG SB 02-22 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: 6.81 ft
 North: 1843007.39 ft
 East: 1177884.29 ft
 Station: 2216+38.0
 Offset: 91.798' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004	While Drilling	∇	18.00 ft	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	∇	DRY	
Driller	J&M	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.			

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 02-20 & SB 02-22

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG SB 03-03

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: -6.52 ft
 North: 1844721.75 ft
 East: 1177800.32 ft
 Station: 2233+54
 Offset: 56.930' RT

Page 1 of 1

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-7.3	9-inch thick CONCRETE --PAVEMENT--						-32.5	Boring terminated at 26.00 ft		11	50/1	NR	
-7.8	6-inch thick CRUSHED STONE --BASE COURSE--		1	3 6 7	7.79 B	11							
	Hard, gray SILTY CLAY with gravel		2	4 6 9	5.99 B	13							
			3	4 9 11	6.72 B	13							
			4	6 9 10	5.33 B	12							
			5	5 12 22	7.79 B	10							
			6	10 50/4	4.50 P	10							
-22.3	Very dense, gray GRAVEL		7	72 60 47	NP	8							
-22.8	Very dense, gray GRAVELLY SILT		8	13 40 57	NP	9							
			9	25 62 50	NP	10							
			10	22 68 50/5	NP	8							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-28-2004	Complete Drilling	04-28-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	K&L	Logger	N. Davis	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 SB 03-04

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: -7.02 ft
 North: 1844793.59 ft
 East: 1177798.06 ft
 Station: 2234+26
 Offset: 56.730' RT

Page 1 of 1

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-7.7	8-inch thick CONCRETE --PAVEMENT--							Boring terminated at 23.20 ft					
-8.4	6-inch thick CRUSHED STONE --BASE COURSE--		1	7 8 10	7.87 B	12							
	Hard, gray SILTY CLAY with gravel		2	6 7 8	6.48 B	12							
			3	6 13 16	6.97 S	10							
			4	4 9 11	8.20 B	12							
			5	5 16 27	6.97 B	10							
			6	35 43 48	6.97 S	11							
-23.3	Very dense, gray GRAVELLY SILT		7	16 50 50/4	NP	8							
			8	20 33 50/3	NP	10							
			9	38 50/1	NP	9							
-29.5	Very dense, gray SAND		10		NP								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-28-2004	Complete Drilling	04-28-2004	While Drilling	▽	22.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	11.40 ft	
Driller	J&L	Logger	N. Davis	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 SB 03-03 & SB 03-04

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG SB 04-03 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 8.74 ft
 North: 1845317.83 ft
 East: 1177836.62 ft
 Station: 2239+49
 Offset: 110.28' 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 (%)
7.5	14-inch thick TOPSOIL														
7.5	Hard, brown and gray CLAY LOAM --FILL--														
		1	X	1	15 19 7	4.00 P	16				X	11	10 16 30	4.50 P	11
		2	X	2	4 4 5	4.00 P	19				X	12	13 32 50/23	4.50 P	10
3.7	Stiff, brown and gray CLAY	5	X	3	3 4 7	1.89 B	54								
1.2	Medium stiff, gray CLAY	10	X	4	3 3 4	0.66 B	19								
		5	X	5	2 3 4	0.90 B	20								
4.8	Medium dense, gray SILT	15	X	6	5 13 19	NP	19								
		7	X	7	7 12 13	NP	20								
9.3	Hard, gray SILTY CLAY with gravel	20	X	8	5 12 16	4.50 P	13								
		9	X	9	7 14 19	4.50 P	10								
		10	X	10	10 18 24	4.50 P	11								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-13-2004	Complete Drilling	04-13-2004	White Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	K&J	Logger	N. Davis	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 05-15 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 6.37 ft
 North: 1846149.58 ft
 East: 1177790.57 ft
 Station: 2247+82
 Offset: 88.0' 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 (%)
5.9	6-inch thick, black and brown SILTY CLAY LOAM														
4.9	--TOPSOIL--														
4.9	Very stiff, black and brown SILTY CLAY														
	Stiff to very stiff, brown and gray CLAY														
		1	X	1	2 3 4	2.71 B	21				X	11	14 26 37	NP	9
		2	X	2	2 2 4	2.13 B	19				X	12	25 44 70	NP	8
		5	X	3	1 3 7	1.31 B	21								
		10	X	4	1 2 3	1.48 B	18								
4.1	Medium dense, gray SILT	15	X	5	6 10 12	NP	19								
6.6	Very stiff, gray SILTY CLAY LOAM, with interbeds of silt	19	X	6	4 8 10	2.62 S	11								
8.3	Medium dense, gray GRAVELLY SAND	20	X	7	5 8 11	3.85 S	12								
9.1	Very stiff, gray gravelly SILTY CLAY	20	X	8	4 8 12	3.61 B	11								
15.6	Dense, gray gravelly LOAM	25	X	9	11 20 24	2.30 S	10								
16.6	Hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM	25	X	10	7 10 15	4.43 S	12								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-18-2004	Complete Drilling	02-18-2004	White Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼	DRY	
Driller	T&D	Logger	J. Kasnick	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 04-03 & SB 05-15

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 05-16 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 5.34 ft
 North: 1846076.99 ft
 East: 1177791.56 ft
 Station: 2247+09
 Offset: 87.0' 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.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.3	2-inch thick ASPHALT over 10-inch thick CONCRETE --PAVEMENT--						-20.2	Very dense, gray gravelly SILTY LOAM		11	12, 27, 39	NP	10
2.3	Very stiff, brown and gray, CLAY --FILL--		1	4, 3, 4	2.38 B	20				12	27, 50/5	NP	9
2.1	Stiff to very stiff, brown and gray, CLAY		2	2, 2, 3	1.31 B	22				13	50/0		
2.1	Medium dense, gray GRAVELLY SANDY LOAM		3	2, 3, 5	2.13 B	20	-25.2	WEATHERED BEDROCK --AUGER REFUSAL--					
3.4	Stiff, gray gravelly CLAY to SILTY CLAY		4	2, 3, 7	1.89 B	18	-28.2	Boring terminated at 33.50 ft					
6.0	Medium dense, gray SILT, with interbeds of silty clay		5	7, 12, 15	NP	23							
7.9	Medium dense, gray GRAVELLY SAND		6	4, 6, 9	NP	16							
9.2	Hard, gray SILTY CLAY		15										
9.7	Medium dense, gray GRAVELLY SAND		7	5, 11, 13	4.92 B	15							
11.2	Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM		8	7, 9, 14	4.67 B	14							
			9	9, 12, 13	4.50 P	11							
			10	8, 11, 12	3.20 S	12							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-18-2004	Complete Drilling	02-18-2004	White Drilling	▽	13.60 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	19.00 ft	
Driller	T&L	Logger	N. Davis	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 05-17 Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.17 ft
 North: 1846003.53 ft
 East: 1177789.50 ft
 Station: 2246+36
 Offset: 83.0' 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.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
3.2	2-inch ASPHALT over 10-inch CONCRETE --PAVEMENT--						-20.2	Very dense, gray gravelly SILTY LOAM		11		NP	
2.3	Stiff to very stiff, brown and gray, CLAY --FILL--		1	10, 5, 4	2.95 B	19							
2.1	Medium dense, gray GRAVELLY SANDY LOAM		2	4, 2, 3	1.07 B	22							
2.1	Medium dense, gray SILT		3	2, 3, 6	2.21 B	19							
3.4	Stiff, gray gravelly CLAY to SILTY CLAY		4	2, 7, 9	NP	21							
6.0	Medium dense, gray GRAVELLY SAND		5	4, 8, 10	NP	13							
7.9	Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM		6	4, 7, 13	4.50 P	13							
9.2	Medium dense, gray GRAVELLY SAND		7	4, 9, 13	4.92 B	16							
9.7	Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM		8	5, 10, 15	3.28 S	14							
11.2	Medium dense, gray GRAVELLY SAND		9	5, 11, 12	5.49 B	13							
			10	10, 13, 23	4.02 B	14							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-18-2004	Complete Drilling	02-18-2004	White Drilling	▽	10.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	10.30 ft	
Driller	T&L	Logger	N. Davis	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 05-16 & SB 05-17

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

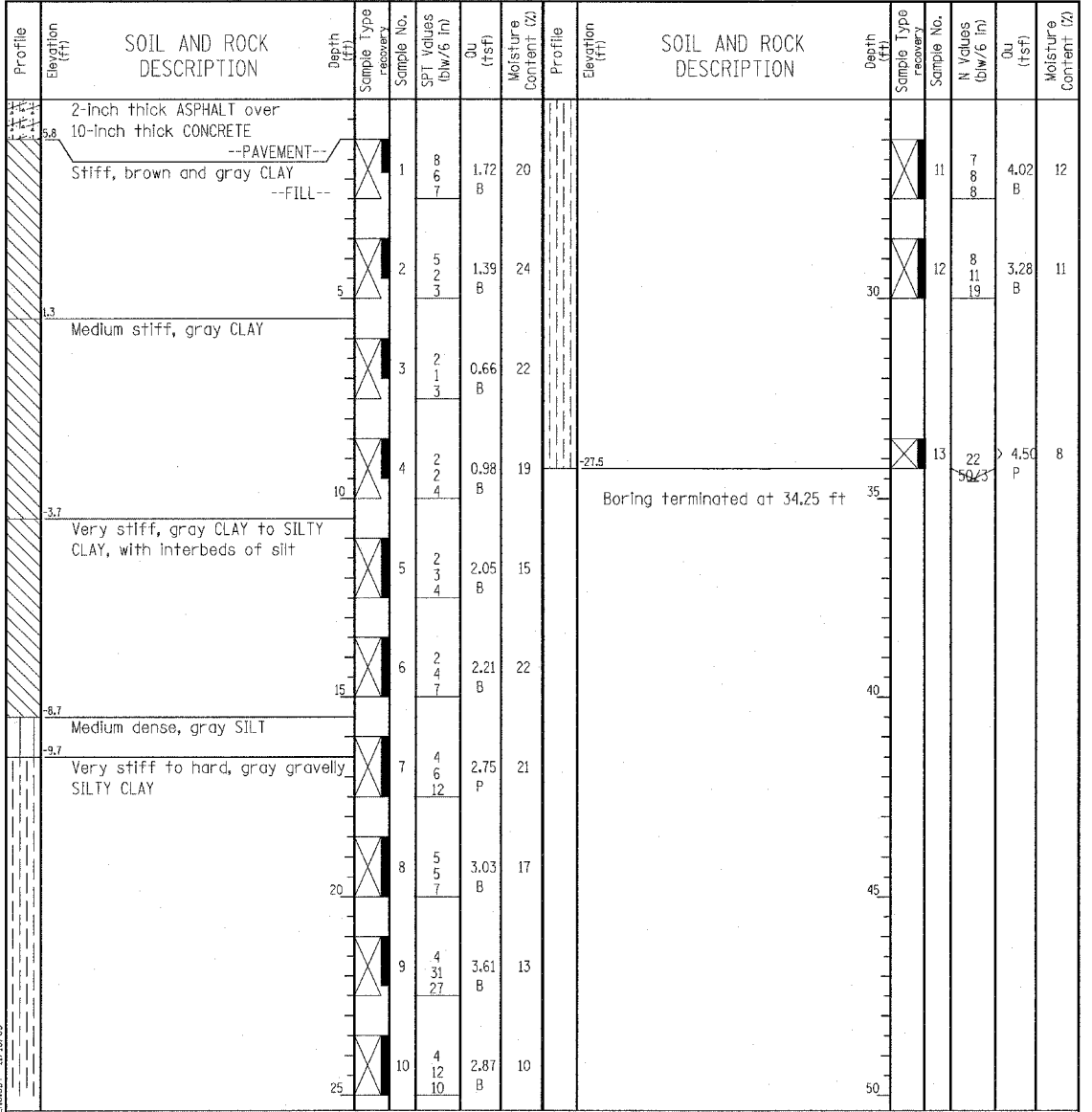
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BORING LOG SB 06-01

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: 1847996.51 ft
 East: 1177743.25 ft
 Station: 2266+29
 Offset: 94.0' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-25-2004	Complete Drilling	02-25-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

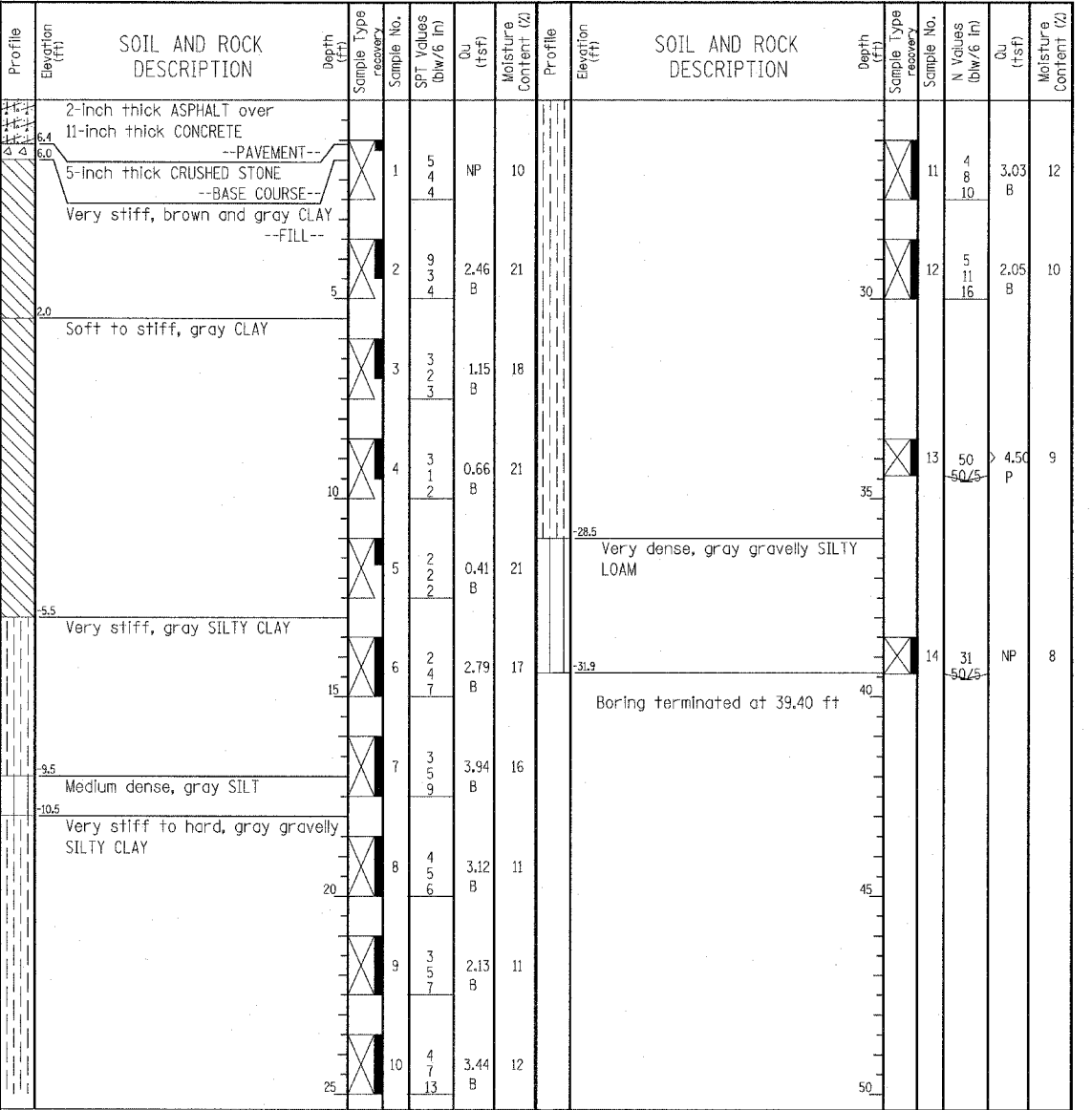
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BORING LOG SB 06-02

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: 7.51 ft
 North: 1847920.02 ft
 East: 1177752.75 ft
 Station: 2265+52
 Offset: 101.0' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-25-2004	Complete Drilling	02-25-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	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 SB 06-01 & SB 06-02

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG SB 07-01 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: 4.23 ft
 North: 1848340.37 ft
 East: 1177723.49 ft
 Station: 2269+73
 Offset: 84.0' RT

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BORING LOG SB 07-02 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: 3.28 ft
 North: 1848262.01 ft
 East: 1177729.83 ft
 Station: 2268+95
 Offset: 88.0' RT

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 (%)
3.6	7-inch thick, black SILTY LOAM --TOPSOIL-- Very stiff, gray CLAY	1	2	5	2.54	18	21.8	Dense to very dense, gray SILTY LOAM	11	3	14	NP	14
		5	2	3	2.13	19			30	12	20	NP	13
-1.3	Soft, gray CLAY	3	0	0	0.33	22							
		10	4	0	0.41	23			35	13	21	NP	11
-7.3	Medium dense, gray SILTY LOAM	5	4	7	NP	14	-31.8	POSSIBLE BEDROCK Boring terminated AUGER 3600 S&L--					
		15	6	9	NP	19			40				
		19	7	8	NP	12							
-13.8	Very stiff, gray CLAY	8	5	9	3.53	12			45				
-16.0	Loose, gray SAND	20	2	1	0.50	20							
-16.4	Medium stiff, gray CLAY	9	2	1									
-18.8	WOODEN OBSTRUCTION	25	27	12		12			50				

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 (%)
2.9	5-inch thick, brown SILTY LOAM --TOPSOIL-- Medium stiff to very stiff, gray CLAY	1	3	5	2.62	18							
		5	2	2	0.82	20							
		10	3	0	0.57	21							
		15	4	1	1.23	20							
-7.2	Medium dense, gray SILTY LOAM	5	5	9	NP	17							
		15	6	5	NP	12							
-12.2	Very stiff, gray SILTY CLAY	7	4	5	2.46	14							
		20	8	4	3.77	13							
-17.8	OBSTRUCTION Boring terminated AUGER 2800 S&L--	9											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-25-2004	Complete Drilling	02-25-2004	While Drilling	▽	20.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	15.00 ft	
Driller	T&B	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	02-25-2004	Complete Drilling	02-25-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	T&B	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 07-01 & SB 07-02

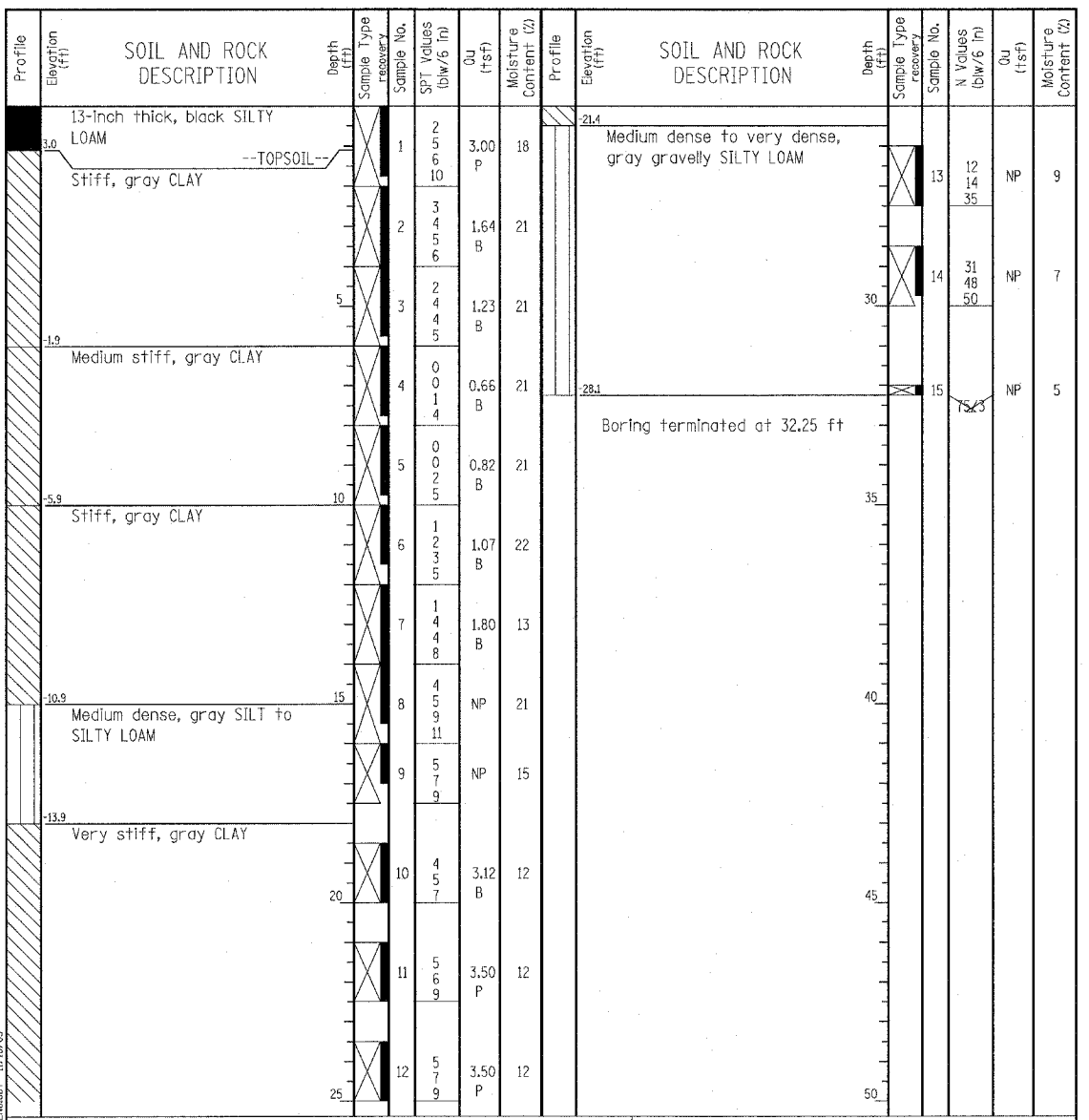
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BORING LOG SB 07-03 Page 1 of 1

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: 4.12 ft
 North: 1848190.00 ft
 East: 1177736.76 ft
 Station: 2268+23
 Offset: 93.0' RT



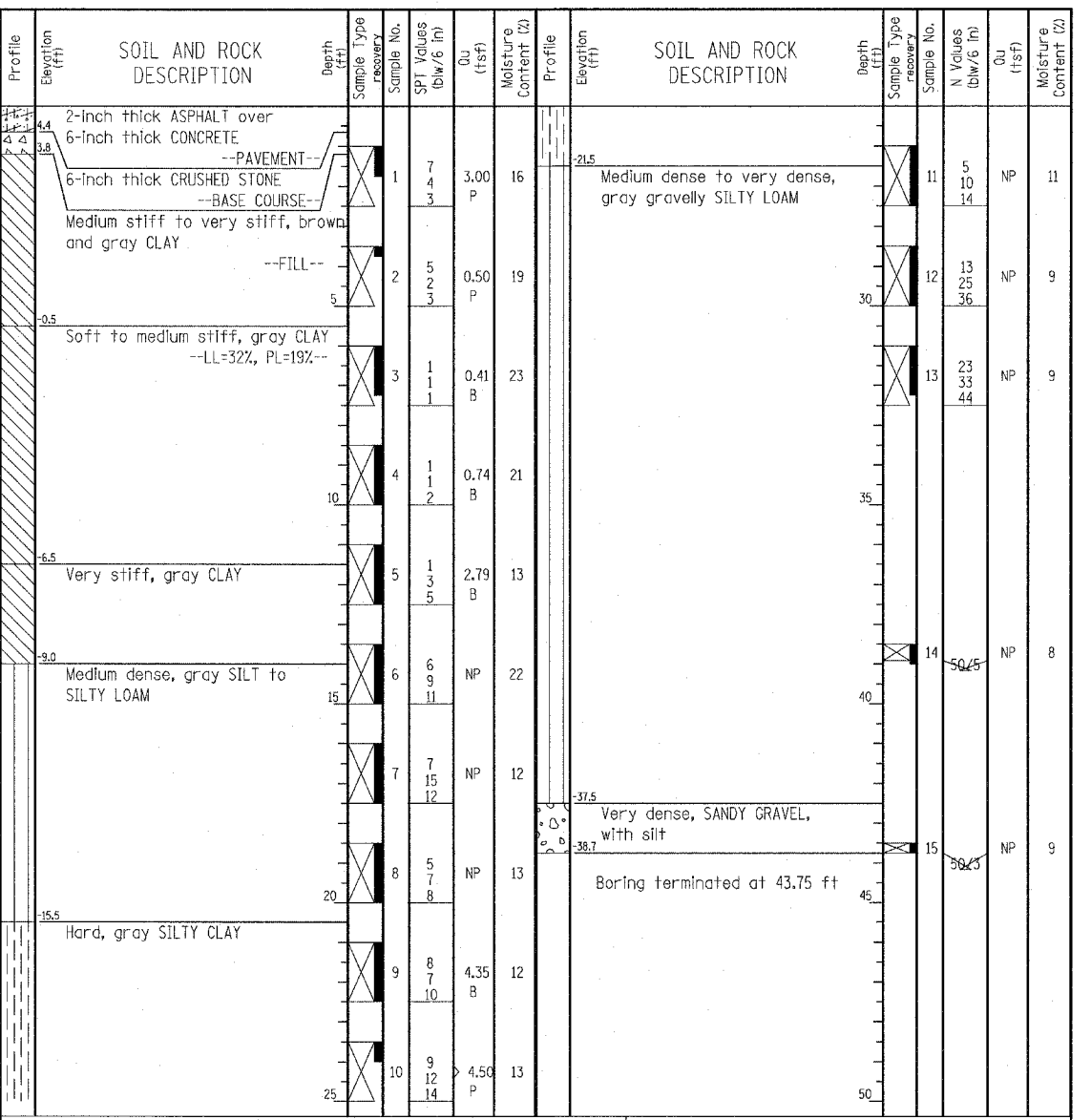
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-26-2004	Complete Drilling	02-26-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	T&B	Logger	H. Suhail	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG SB 07-04 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: 5.00 ft
 North: 1848116.13 ft
 East: 1177742.21 ft
 Station: 2267+49
 Offset: 96.0' RT



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-26-2004	Complete Drilling	02-26-2004	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 07-03 & SB 07-04

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BORING LOG RB-09

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: 5.79 ft
North: 1839283.38 ft
East: 1173565.81 ft
Station: 200+69
Offset: 39' RT

Page 1 of 1

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 (%)
	5.3	6-inch thick, black LOAM --TOPSOIL--			1	3 5 6	3.50	18									
	3.3	Very stiff, brown and gray CLAY to SILTY CLAY --FILL--															
	2.8	Medium dense, brown and gray SANDY GRAVEL --FILL--			2	3 7 3 5	3.50	7									
	1.3	Very stiff, gray CLAY Hard, gray SILTY CLAY			3	3 5 6 7	4.50	12									
					4	3 5 7 8	4.00	12									
	3.7				5	2 5 8 11	4.50	13									
	4.2	Hard, gray SANDY CLAY LOAM to CLAY LOAM Boring terminated at 10.00 ft	10														

GENERAL NOTES

Begin Drilling 08-27-2004 Complete Drilling 08-27-2004
 Drilling Contractor Patrick Drilling Drill Rig CME 75 TMR
 Driller K&A Logger N. Davis checked by ED
 Drilling Method 3.25" ID, HSA; Boring backfilled with bentonite upon completion

WATER LEVEL DATA

While Drilling DRY
 At Completion of Drilling DRY
 Time After Drilling NA
 Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradate.

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 RB-09

SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

BORING LOG RB-11 Page 1 of 1

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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: 16.25 ft
North: 1839564.76 ft
East: 1178677.89 ft
Station: 8760+06
Offset: 14' 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 (%)
15.6	8-inch thick, CONCRETE --PAVEMENT--														
15.0	7-inch thick, CRUSHED STONE --BASE COURSE--														
	Medium stiff to stiff, gray CLAY	1	X	1	3	1.80	20								
		2	X	2	2										
		3	X	3	2										
		4	X	4	2	1.07	23								
		5	X	5	2										
		6	X	6	2										
		7	X	7	2	1.89	23								
		8	X	8	2										
		9	X	9	2	0.74	19								
		10	X	10	3	0.57	20								
	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-10-2004	Complete Drilling	09-10-2004	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	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

BORING LOG RB-14 Page 1 of 1

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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: 2.35 ft
North: 1841194.24 ft
East: 1178057.73 ft
Station: 2033+73
Offset: 44' 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 (%)
12.3	12-inch thick, black LOAM --TOPSOIL--														
10.3	Medium dense, gray SANDY GRAVEL	1	X	1	0		24								
	Hard, gray CLAY	2	X	2	4	4.51	15								
		3	X	3	4										
		4	X	4	7										
		5	X	5	5										
		6	X	6	2										
		7	X	7	2										
		8	X	8	3										
		9	X	9	3										
		10	X	10	3										
		11	X	11	3										
		12	X	12	12	4.50	12								
		13	X	13	13										
		14	X	14	13										
		15	X	15	9	4.67	11								
		16	X	16	9										
		17	X	17	9										
	Boring terminated at 10.00 ft														


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	09-01-2004	Complete Drilling	09-01-2004	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	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

TYLIN INTERNATIONAL

LEGEND

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

REVISIONS	
NAME	DATE

 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 RB-15 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 Spuh of 69th Street	Datum: CCD Elevation: 8.67 ft North: 1840496.21 ft East: 1177972.30 ft Station: 2036+95 Offset: 46' RT
	Page 1 of 1	

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
7.3	9-inch thick, black LOAM --TOPSOIL--		1	2 3 5 6	4.00	13							
	Very stiff to hard, gray CLAY		2	4 6 6 6	3.26	16							
4.7	Soft, gray CLAY		3	1 1 2 2	0.49	22							
			4	1 1 1 1	0.33	22							
-0.1	Very stiff, gray CLAY		5	0 0 4 4	3.03	18							
-1.3													
	Boring terminated at 10.00 ft												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	09-01-2004	Complete Drilling	09-01-2004	Water 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
				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

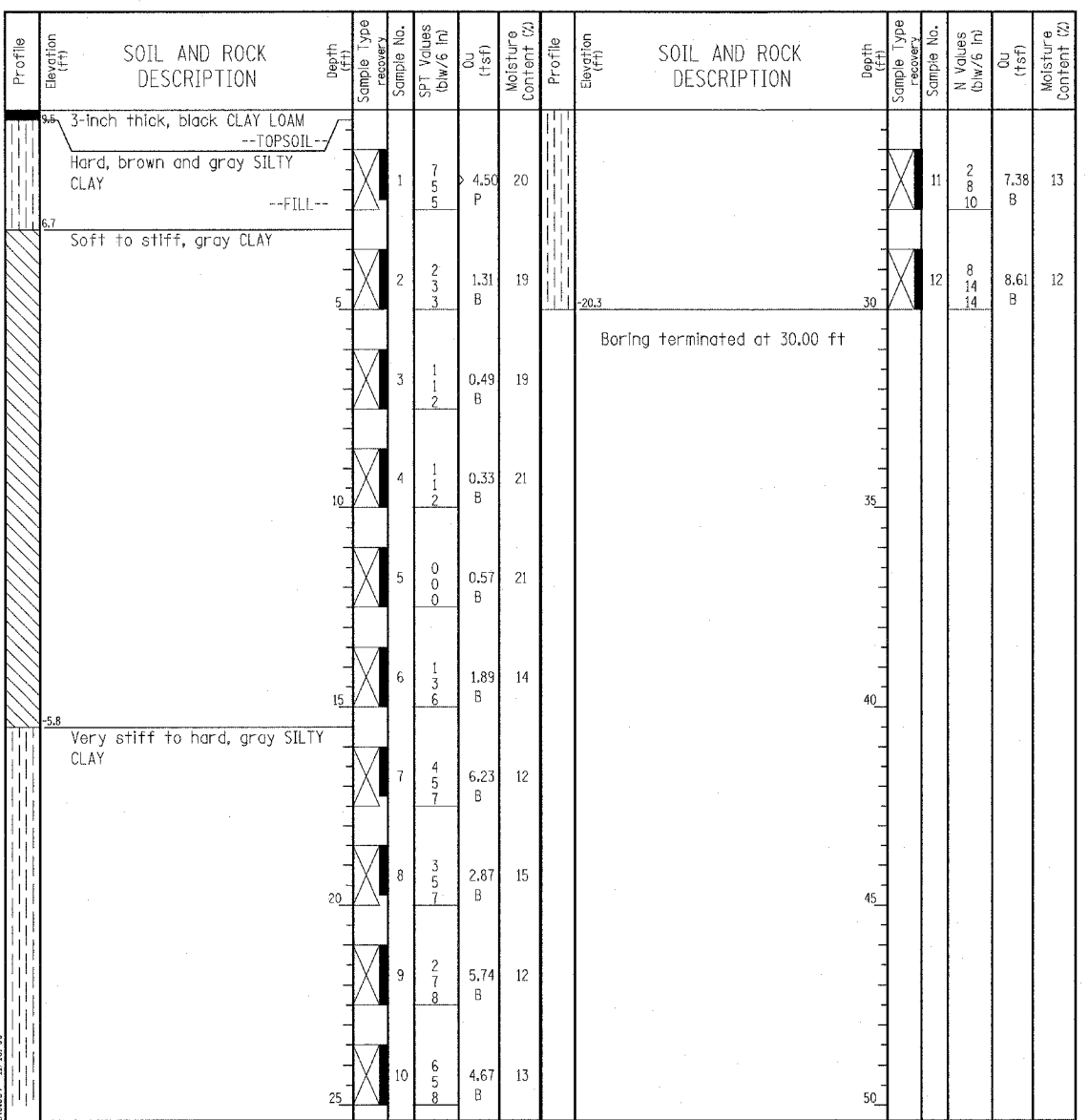
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS RB-15

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG 6AGH1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 9.70 ft
 North: 1839389.88 ft
 East: 1176509.03 ft
 Station: 230+00
 Offset: 76' 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

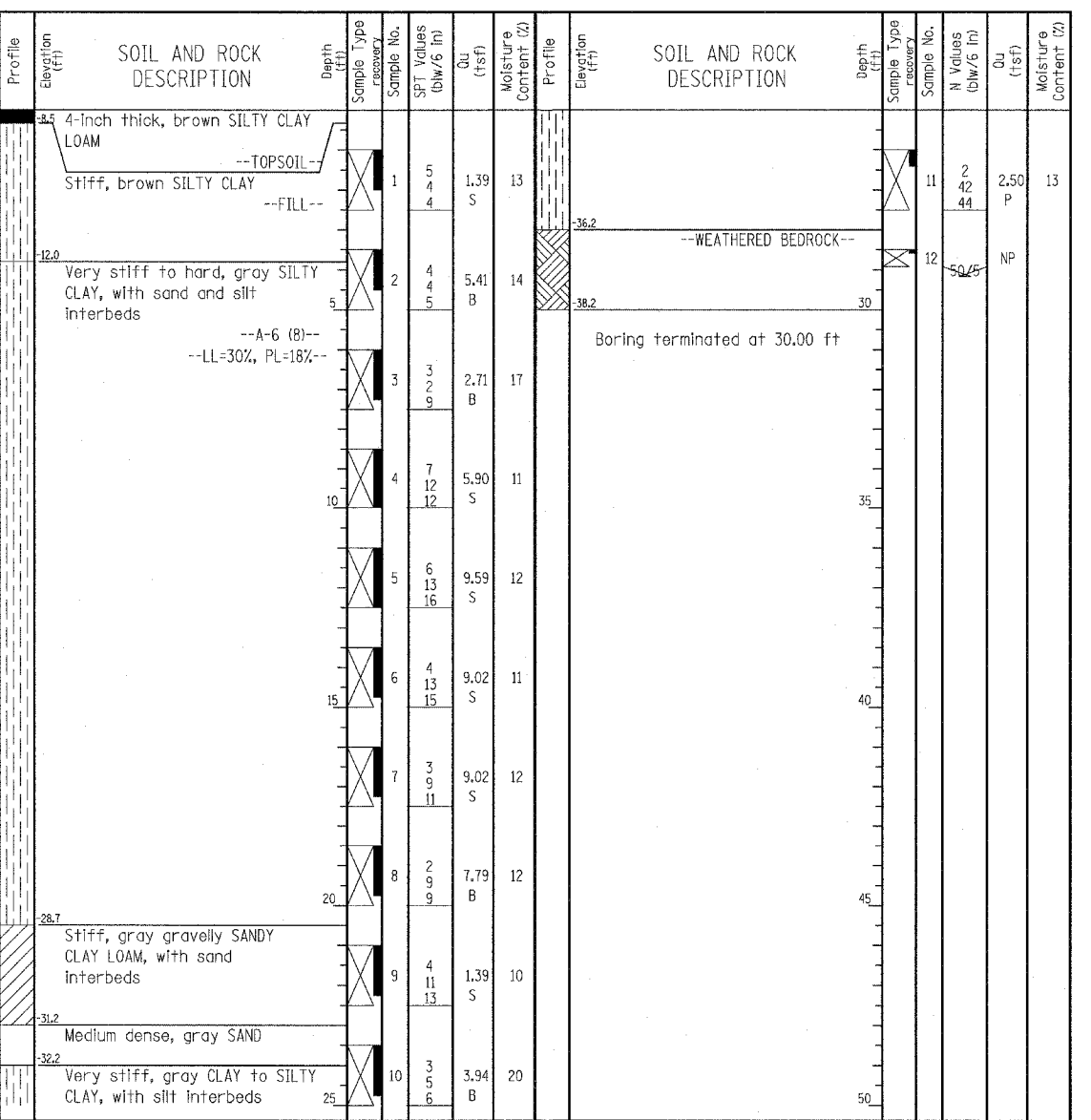


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-03-2004	Complete Drilling	08-03-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG 6AGH3
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -8.17 ft
 North: 1839930.78 ft
 East: 1177363.22 ft
 Station: 239+89
 Offset: 55' 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	08-20-2004	Complete Drilling	08-20-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	J. Kasnick	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 6AGH1 & 6AGH3

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG 5AGH5
 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: -10.37 ft
 North: 1839897.49 ft
 East: 1177800.29 ft
 Station: 1158+87
 Offset: 44' 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 (%)
10.7	4-inch thick, brown SILTY CLAY LOAM	4	1	4	3.28	13							
	--TOPSOIL--	6		8									
	Very stiff to hard, brown SILTY CLAY	10		10						12	4	7.38	12
12.9	--FILL--	7		8	5.41	15					12	16	
	Very stiff to hard, gray SILTY CLAY, with silt interbeds	9		9									
		7		7			39.1	--WEATHERED BEDROCK--					
		5		6	2.79	15		Boring terminated at 29.10 ft					
		6		6									
		3		3	7.95	17							
		8		9	10.25	10							
		15		13									
		4		4	8.77	12							
		10		15									
		5		5	8.86	12							
		15		15									
		5		11	9.18	12							
		14		14									
28.4	Hard, gray CLAY, with slit lenses	6		10	6.72	10							
		15		15									
		2		3	5.17	16							
		10		10									
		4		4	8.20	13							
		12		12									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-20-2004	Complete Drilling	08-20-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	J. Kasnick	Time After Drilling	NA		
Checked by	N. Davis	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 5MCD2
 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: 5.73 ft
 North: 1839027.61 ft
 East: 1180020.65 ft
 Station: 2008+52
 Offset: 63' RT

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 (%)
6.2	6-inch thick, brown SILTY CLAY LOAM	6		6									
	--TOPSOIL--	5		5									
	Very stiff to hard, SILTY CLAY	6		6	4.92	13	19.8	Dense, gray LOAM					
		5		5									
		6		6	4.10	15		Very dense, gray SILT					
		5		5									
		3		4	3.69	18							
		6		6									
		10		6	4.43	13		Hard, gray SILTY CLAY					
		15		7									
		6		6	4.51	13							
		7		7									
		4		5	6.15	13							
		7		8	5.16	12							
		8		8	4.76	11							
		10		10	9.02	11							
		13		13									
		9		9	7.95	11							
		11		11									
		15		15									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-11-2004	Complete Drilling	08-11-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	B. Fugiel	Time After Drilling	NA		
Checked by	N. Davis	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 5AGH5 & 5MCD2

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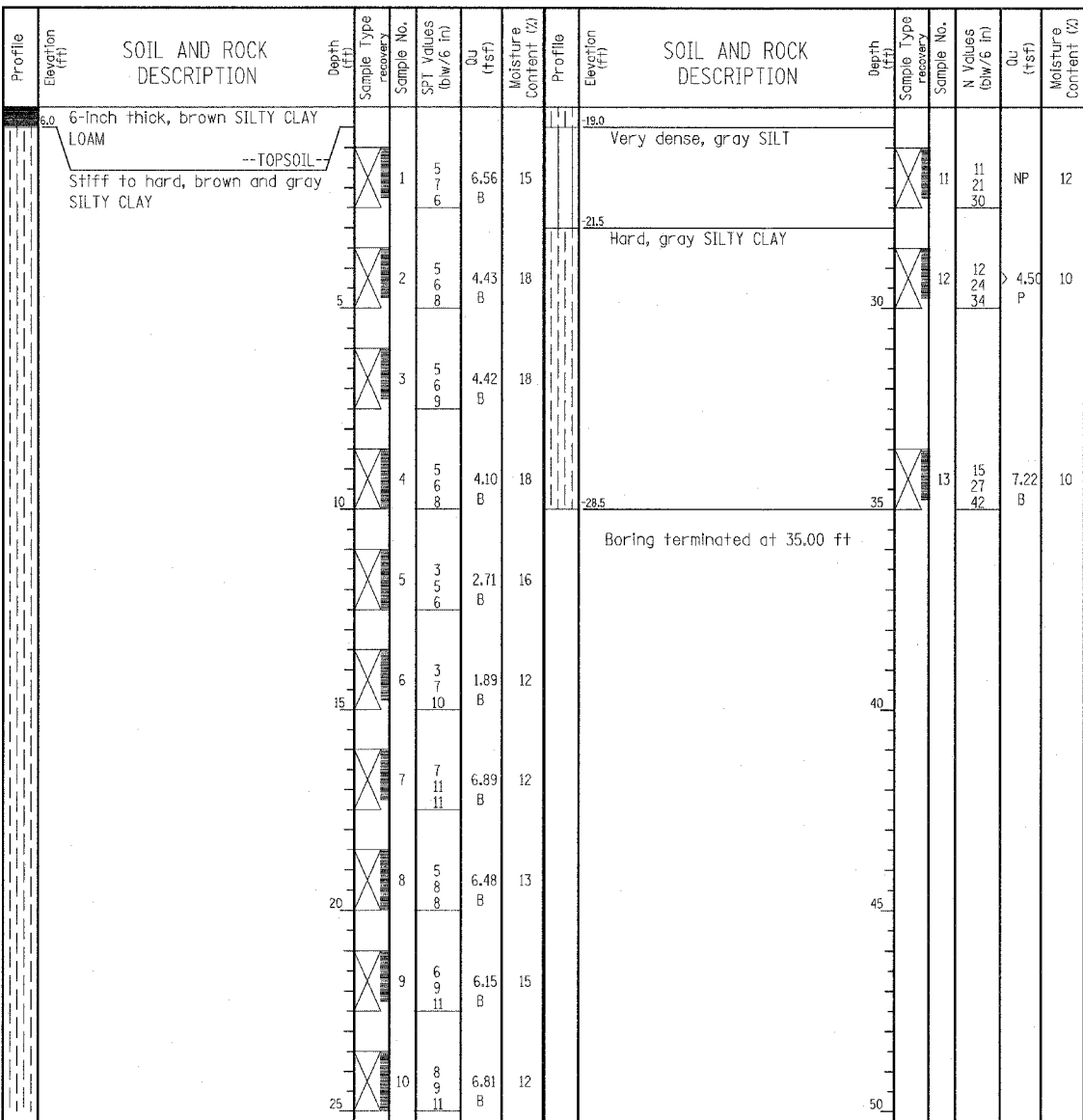
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Lombard, IL 60148
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Fax: 630 953-9938

BORING LOG 5MCD3

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: 6.46 ft
North: 1839043.03 ft
East: 1180490.89 ft
Station: 2003+62
Offset: 64' RT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	08-11-2004	Complete Drilling	08-11-2004	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇ DRY	
Driller	J&L	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.						

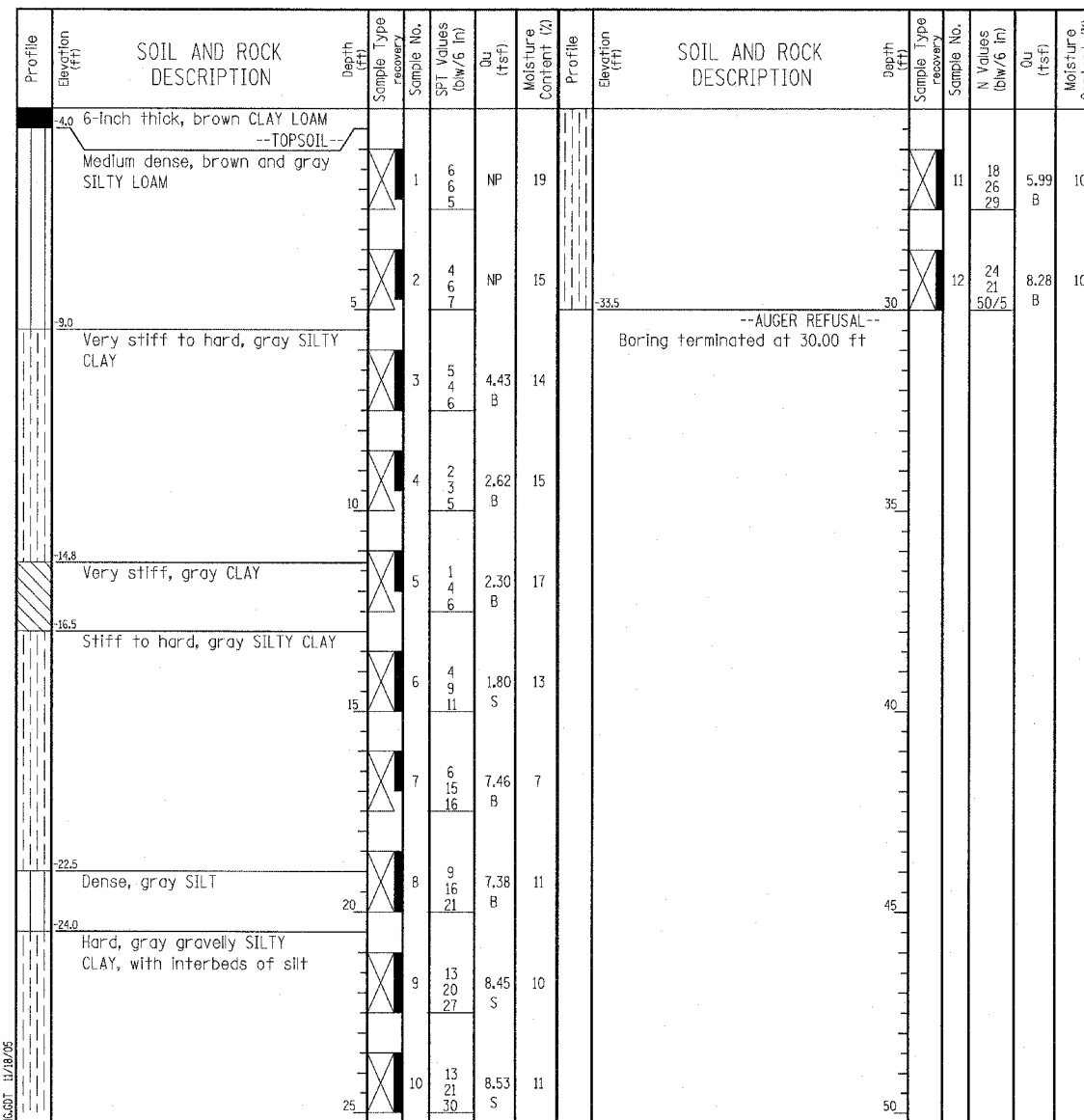
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BORING LOG 6MIJ2

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: -3.46 ft
North: 1839380.73 ft
East: 1178701.12 ft
Station: 2022+91
Offset: 64' RT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	08-12-2004	Complete Drilling	08-12-2004	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇ DRY	
Driller	J&L	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 5MCD3 & 6MIJ2

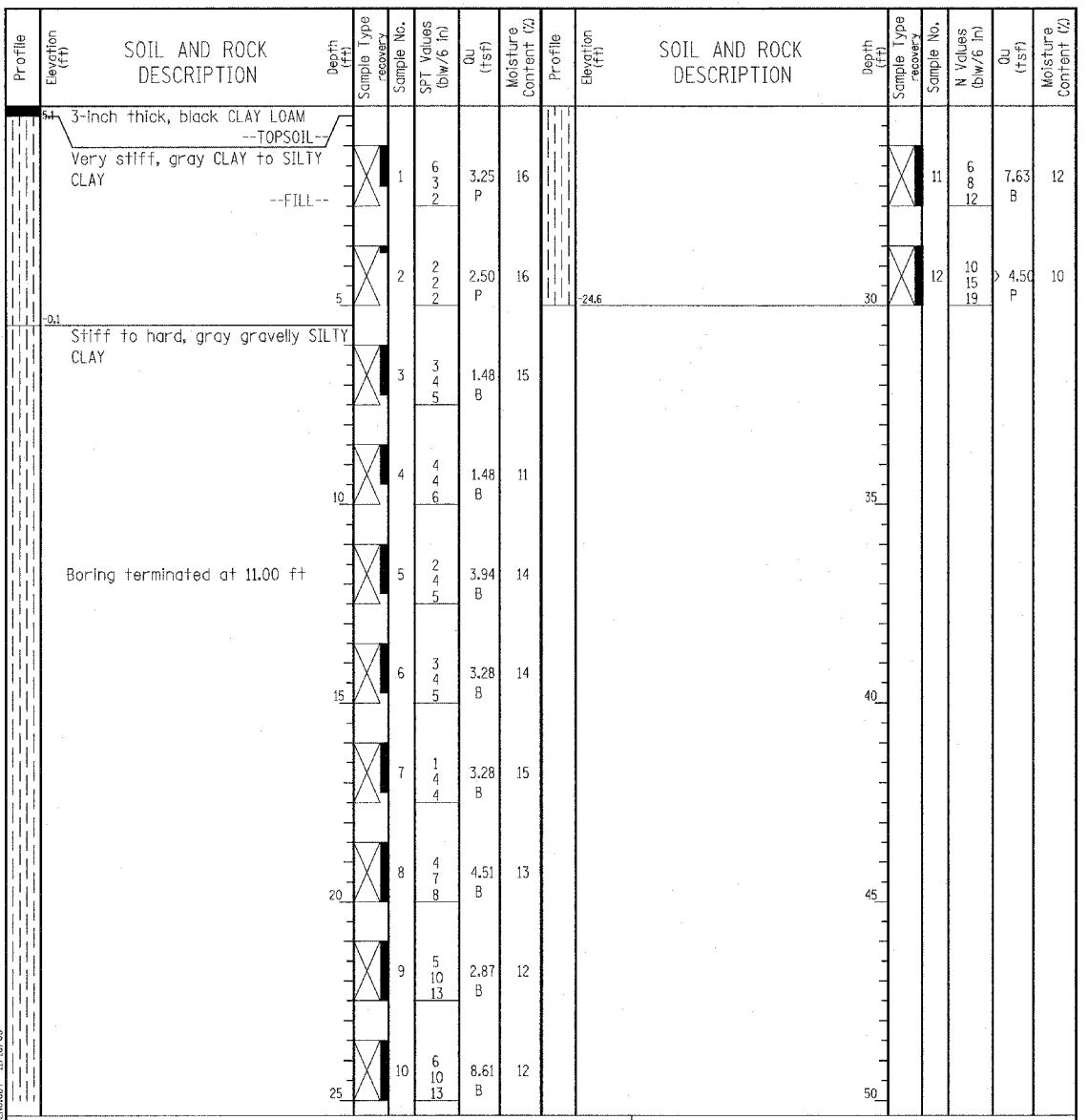
SCALE: N.T.S. DRAWN BY: RTM
DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG 5MMN5
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 5.38 ft
 North: 1839569.88 ft
 East: 1177468.46 ft
 Station: 420+54
 Offset: 65' 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



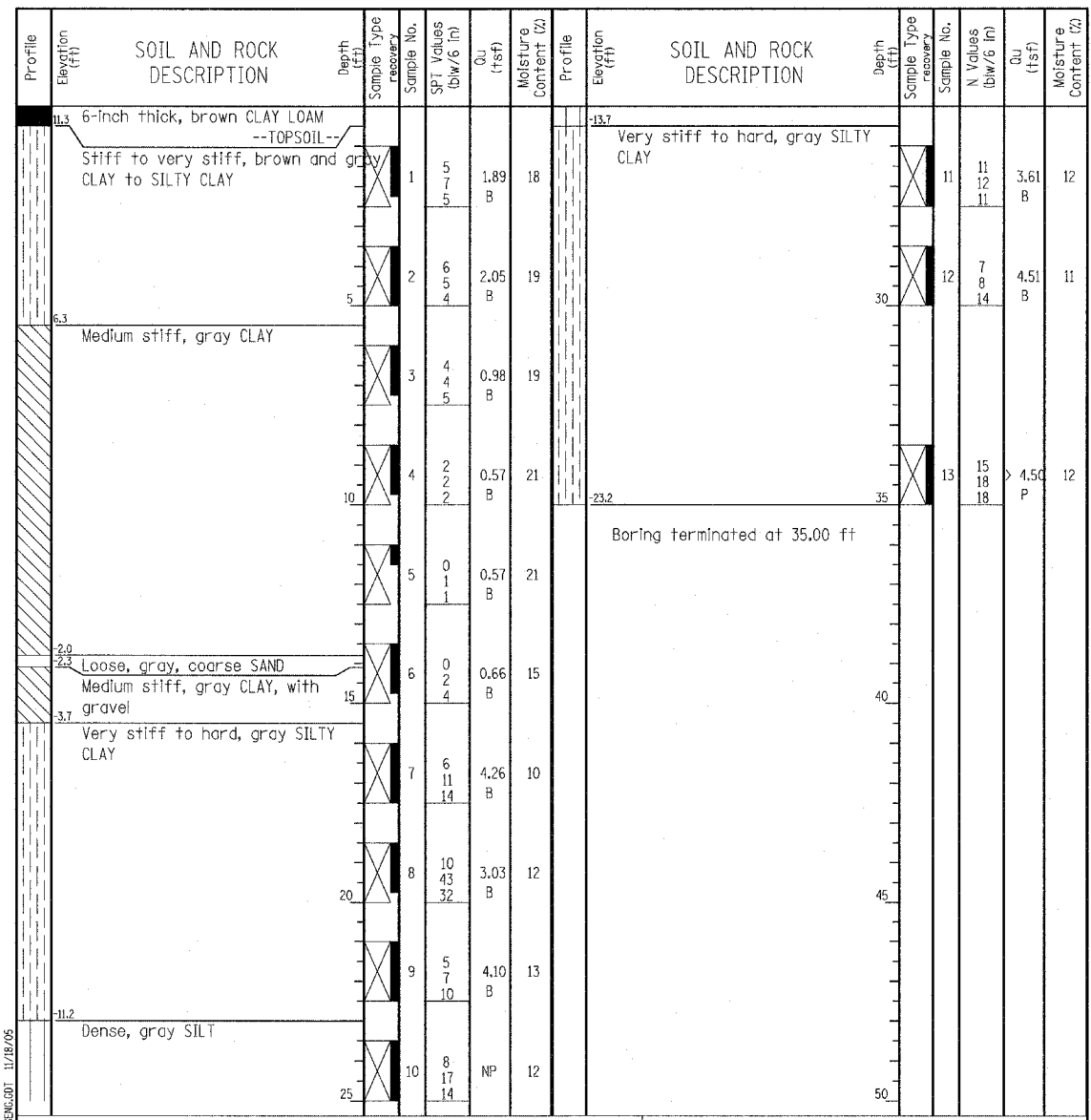
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-03-2004	Complete Drilling	08-03-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG 60EF2
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 11.85 ft
 North: 1841288.21 ft
 East: 1177934.38 ft
 Station: 2044+97
 Offset: 57' 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	08-13-2004	Complete Drilling	08-13-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇	DRY	
Driller	J&L	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 5MMN5 & 60EF2

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG 600P2 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

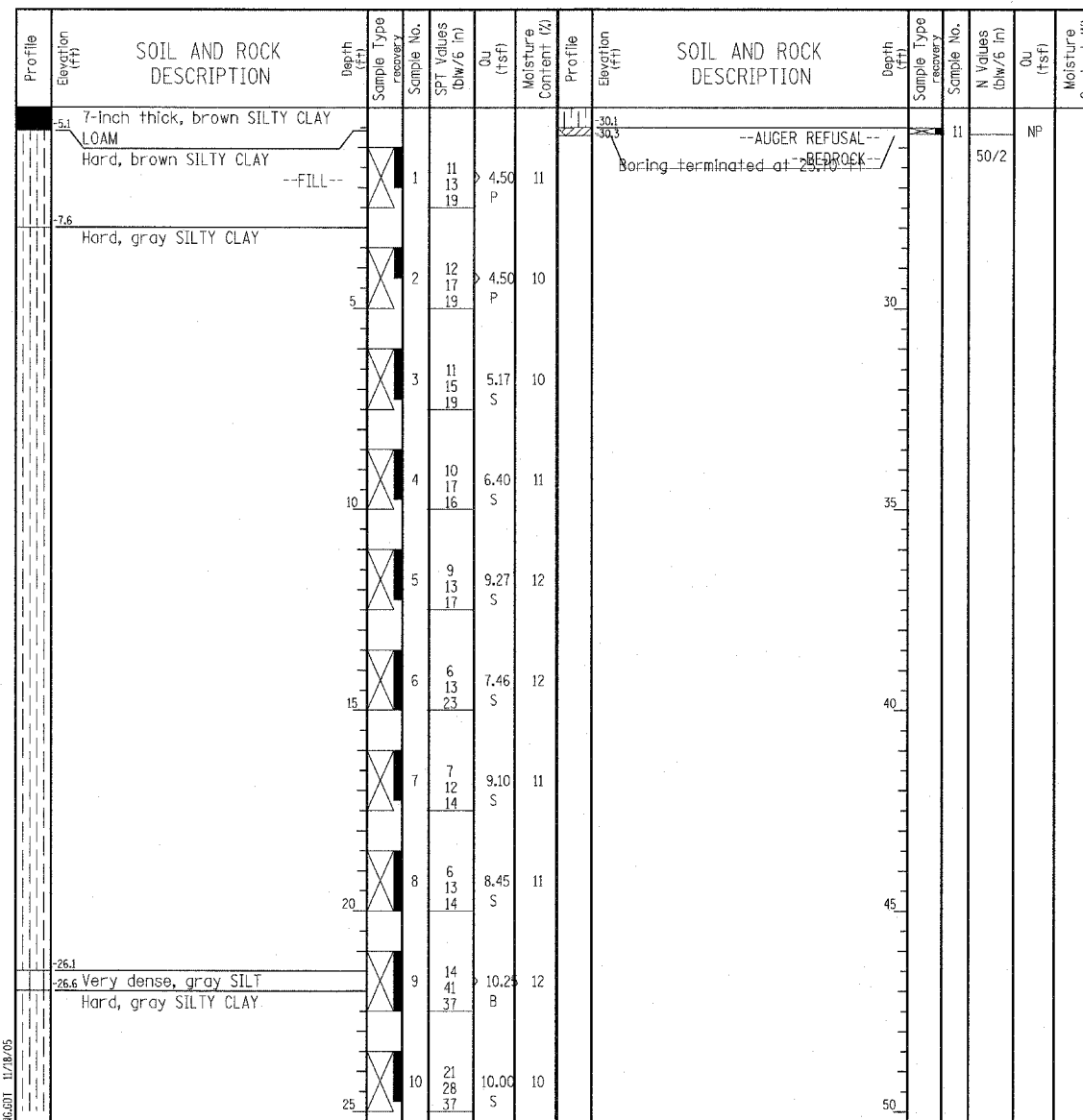
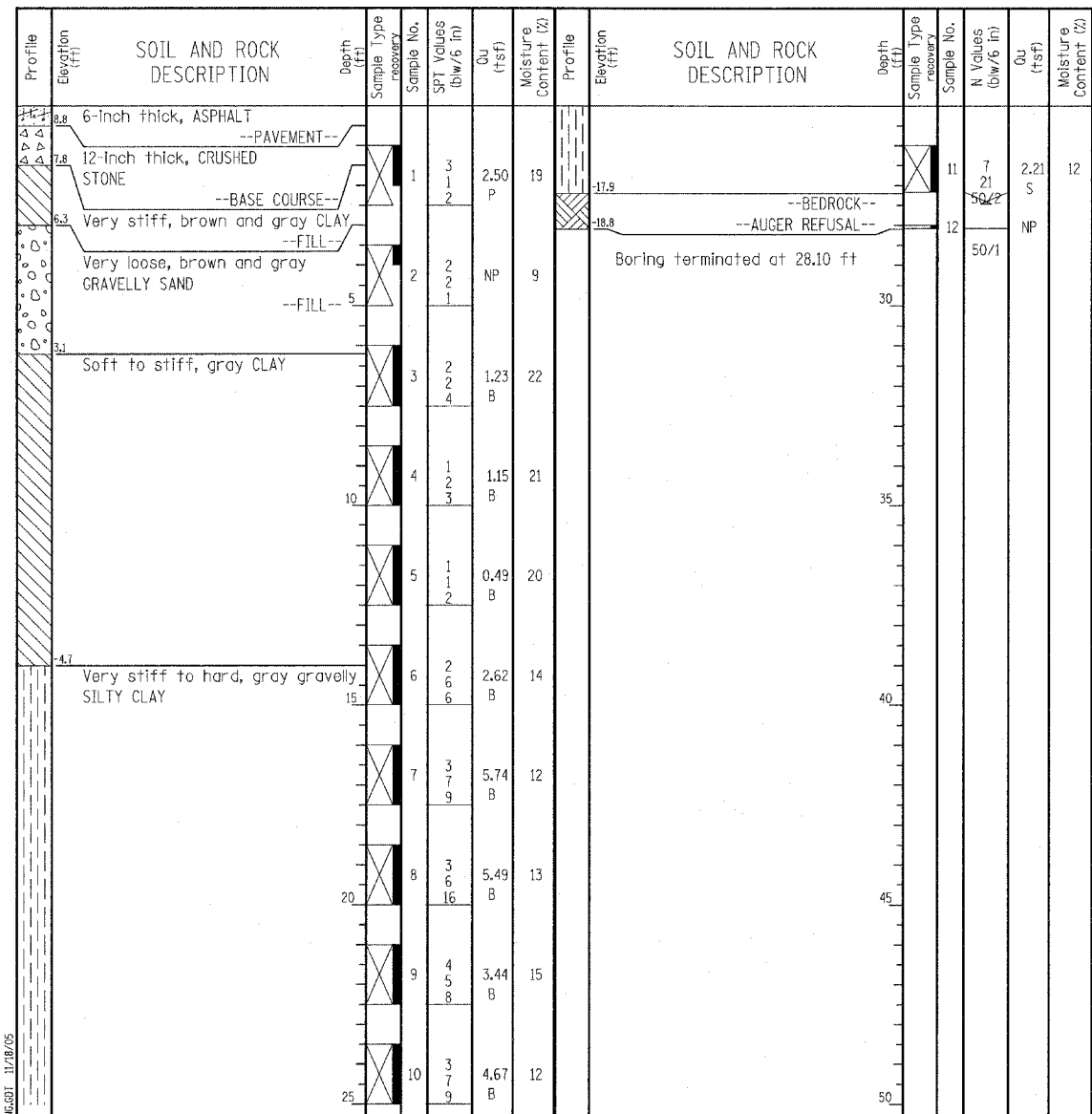
Datum: CCD
Elevation: 9.33 ft
North: 1844985.66 ft
East: 1177833.69 ft
Station: 2236+19
Offset: 98' RT

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BORING LOG 5PEF1 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: -4.55 ft
North: 1849700.83 ft
East: 1177672.38 ft
Station: 2283+35
Offset: 72' RT



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-24-2004	Complete Drilling	08-24-2004	While Drilling	∇ DRY
Drilling Contractor	Patrick 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				
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	08-17-2004	Complete Drilling	08-17-2004	While Drilling	∇ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇ DRY
Driller	J&L	Logger	J. Kasnick	Time After Drilling	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 600P2 & 5PEF1

SCALE: N.T.S. DRAWN BY: RTM
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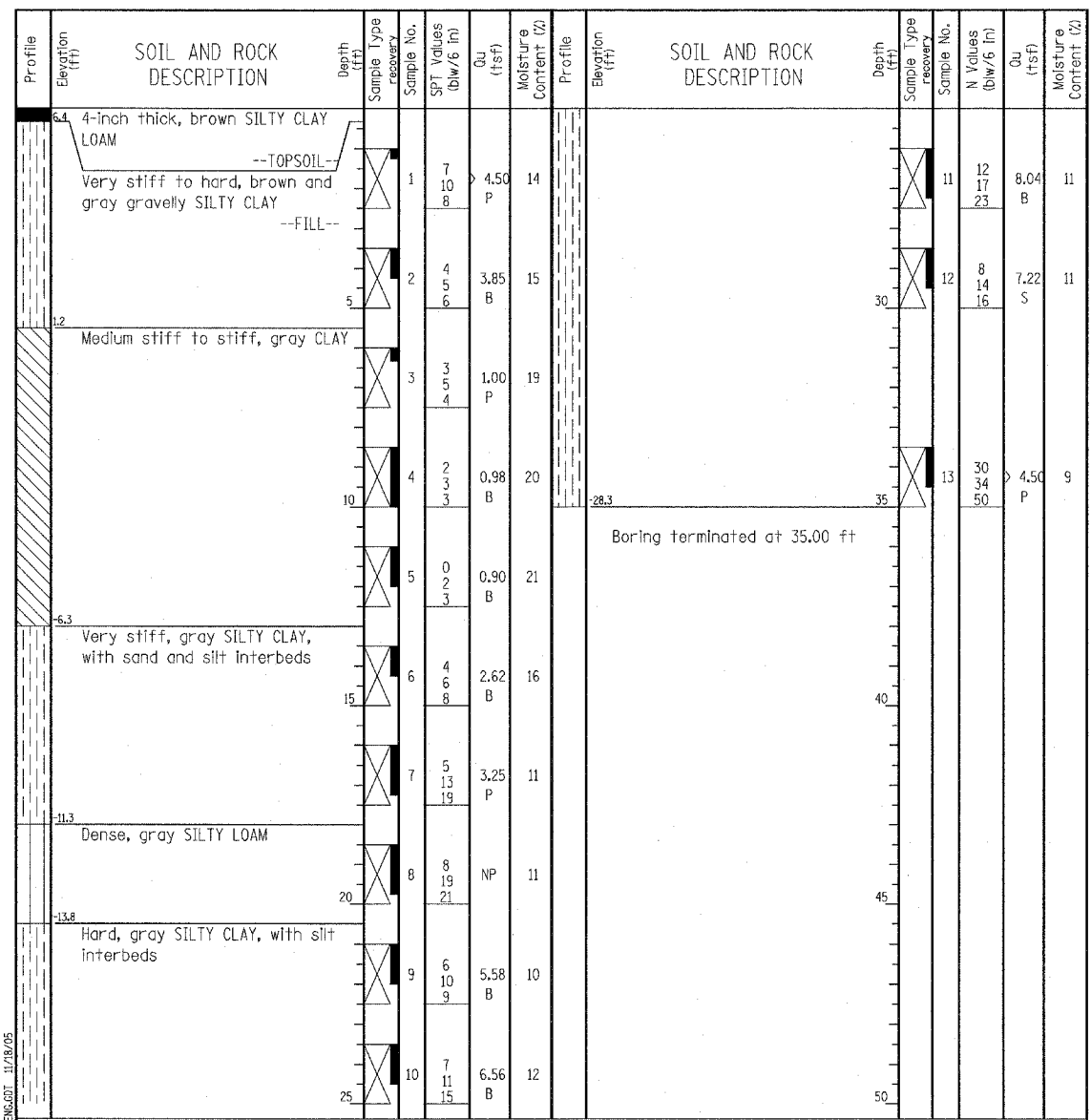
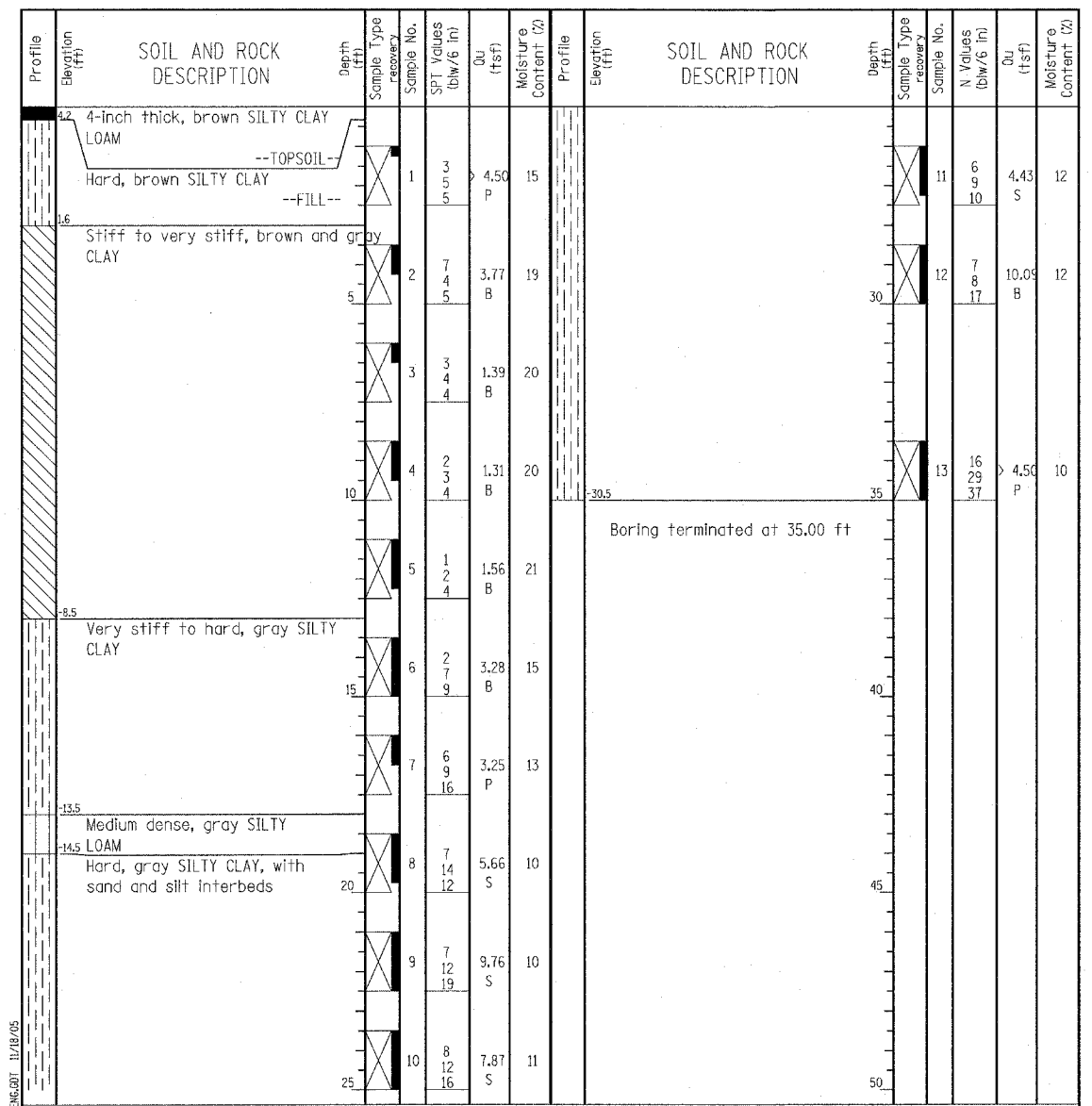
BORING LOG 5PEF2
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.55 ft
 North: 1849247.51 ft
 East: 1177707.09 ft
 Station: 2278+81
 Offset: 93' RT

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 5PEF3
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 6.75 ft
 North: 1848802.89 ft
 East: 1177722.40 ft
 Station: 8711+40
 Offset: 17' 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	08-16-2004	Complete Drilling	08-16-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	J. Kasnick	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	08-16-2004	Complete Drilling	08-16-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	▽	DRY	
Driller	J&L	Logger	J. Kasnick	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	
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BORING LOG JP-01

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: -4.55 ft
 North: 1844519.13 ft
 East: 1177804.30 ft
 Station: 2231+51.4
 Offset: 55.11 RT

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.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-4.4	8-inch thick CONCRETE												
-5.2	8-inch thick CONCRETE												
-5.7	8-inch thick CONCRETE												
	Medium dense to dense, black and brown, fine to coarse SAND to SANDY LOAM		1	10 7	NP	5							
	--FILL--		2	22 12 14	NP	15							
			3	12 16 16	NP	17							
-13.1	Very stiff to hard, gravelly SILTY CLAY		4	8 10 12		4.02 S	12						
			5	4 8 10		3.61 S	12						
			6	4 6 11		3.36 S	11						
			7	17 25 27 37		4.84 S	10						
-21.5	Boring terminated at 17.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-07-2003	Complete Drilling	05-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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-03

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: 1.85 ft
 North: 1845340.77 ft
 East: 1177799.27 ft
 Station: 2239+72.8
 Offset: 73.6 RT

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.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-3.8	13-inch thick, black LOAM												
	--TOPSOIL--												
	Very stiff to hard, gray, gravelly SILTY CLAY to CLAY		1	4 4 4		5.17 S	18						
			2	2 3 3		2.84 B	18						
			3	3 5 6		3.28 B	16						
			4	4 9 11		4.50 P	12						
			5	8 10 11		2.79 S	10						
			6	5 7 9		4.02 S	11						
			7	4 8 12		5.08 S	11						
			8	6 10 11		4.26 S	12						
-18.6	Very dense, gray, gravelly SILTY LOAM		9	14 24 29	NP		10						
			10	19 50 70	NP		11						
-23.1	Boring terminated at 25.00 ft												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-07-2003	Complete Drilling	05-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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.			

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 JP-01 & JP-03

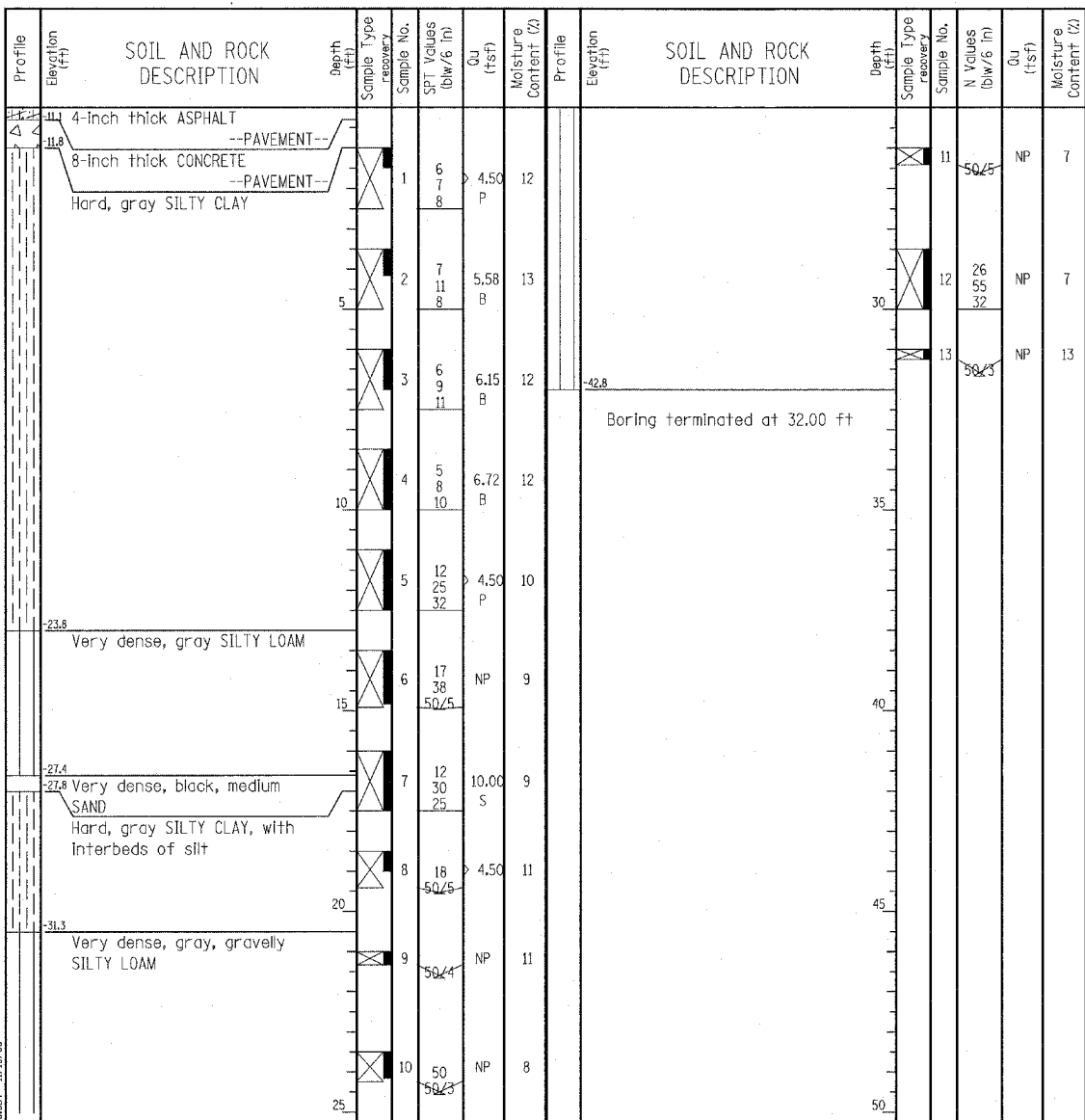
SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG JP-05 Page 1 of 1

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: -10.82 ft
 North: 1847191.50 ft
 East: 1177727.80 ft
 Station: 2258+24.8
 Offset: 55.13 RT



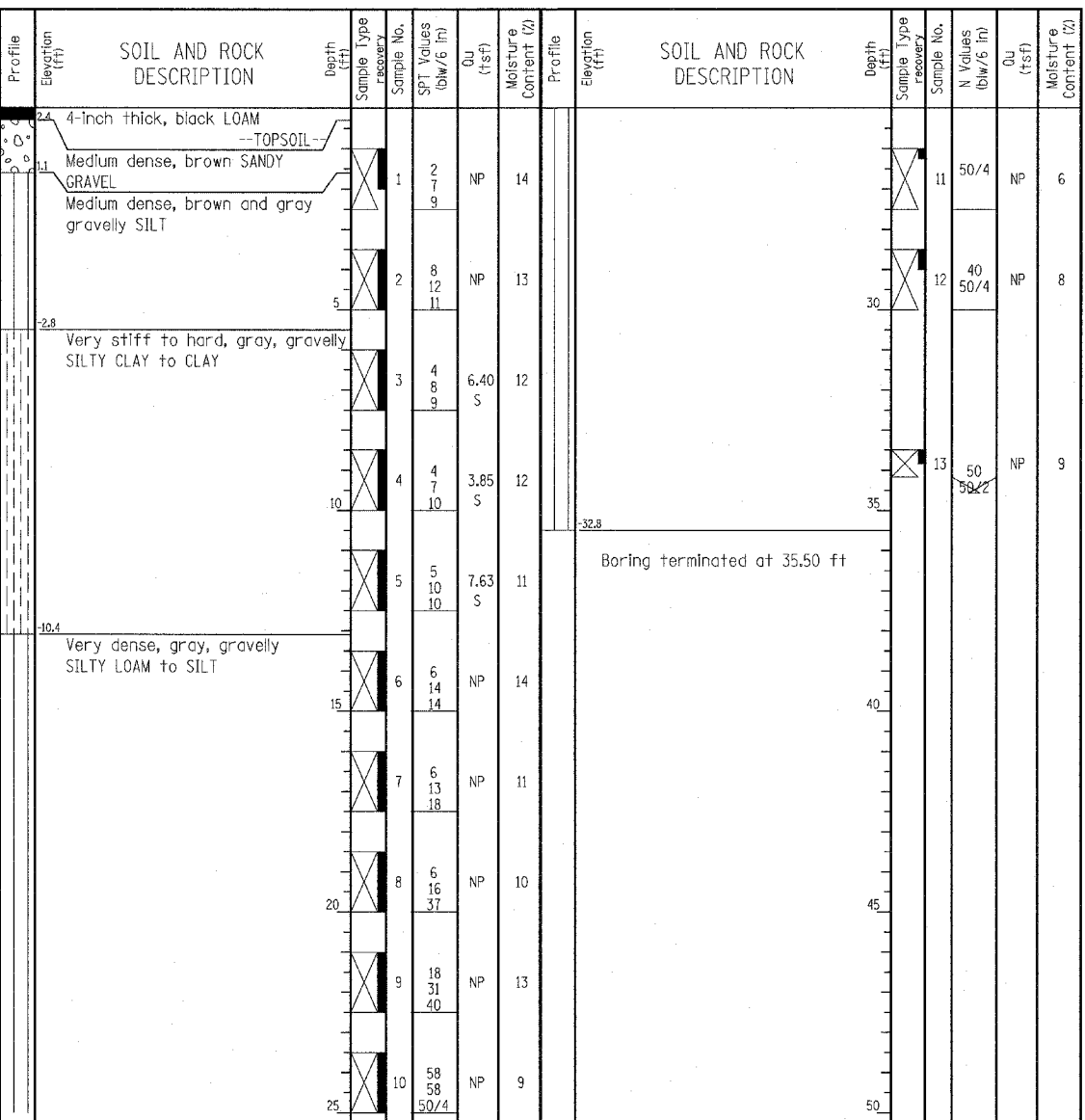
GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-28-2003	Complete Drilling	05-28-2003	While Drilling	☐ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▼ DRY
Driller	K&J	Logger	S. Patel	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

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BORING LOG JP-07 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: 2.71 ft
 North: 1847829.47 ft
 East: 1177737.07 ft
 Station: 2264+62.3
 Offset: 82.66 RT



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-08-2003	Complete Drilling	05-08-2003	While Drilling	☐ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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				

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 JP-05 & JP-07

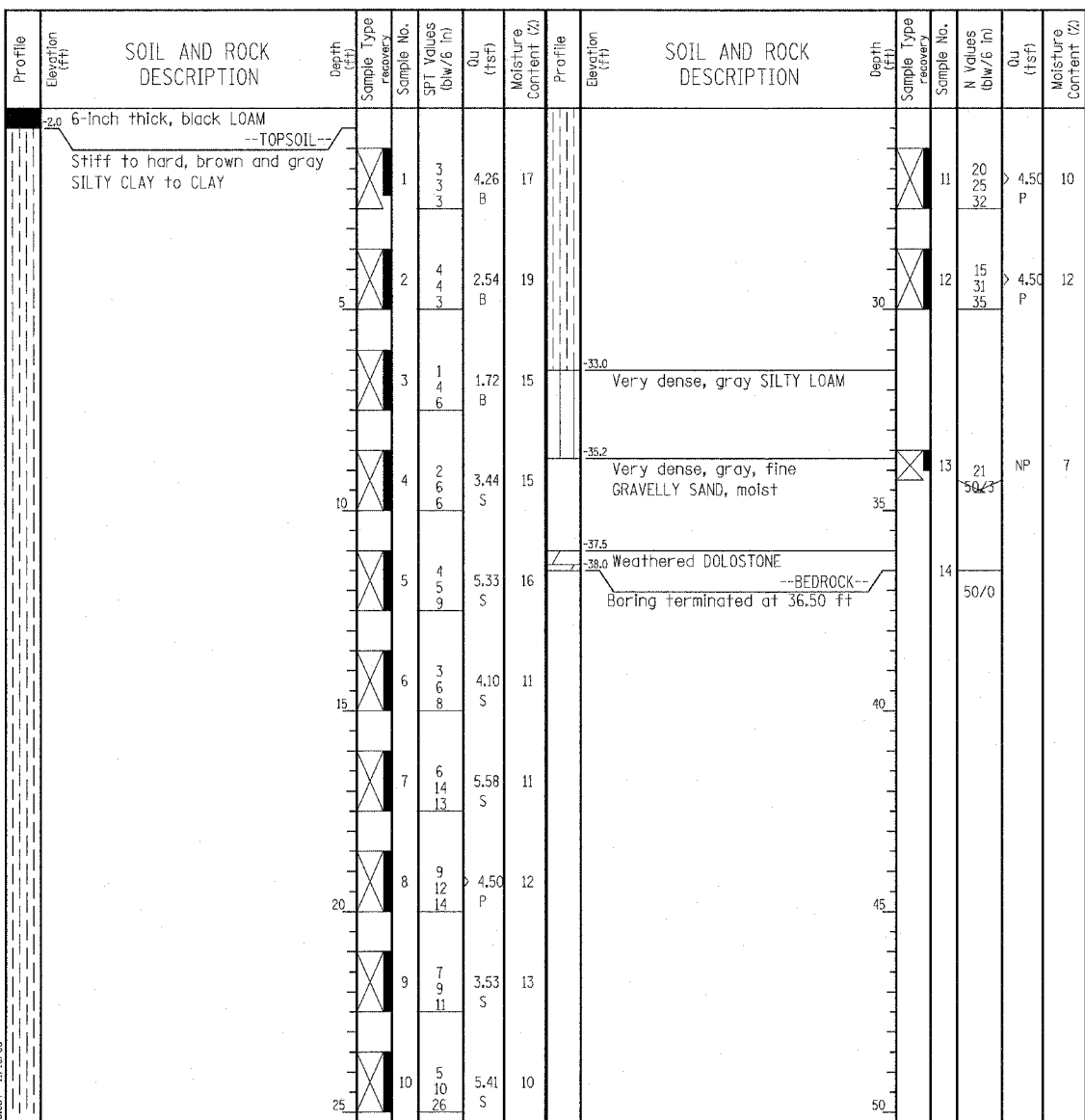
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BORING LOG JP-09
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.50 ft
 North: 1849441.45 ft
 East: 1177680.99 ft
 Station: 2280+72.74
 Offset: 72.74 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



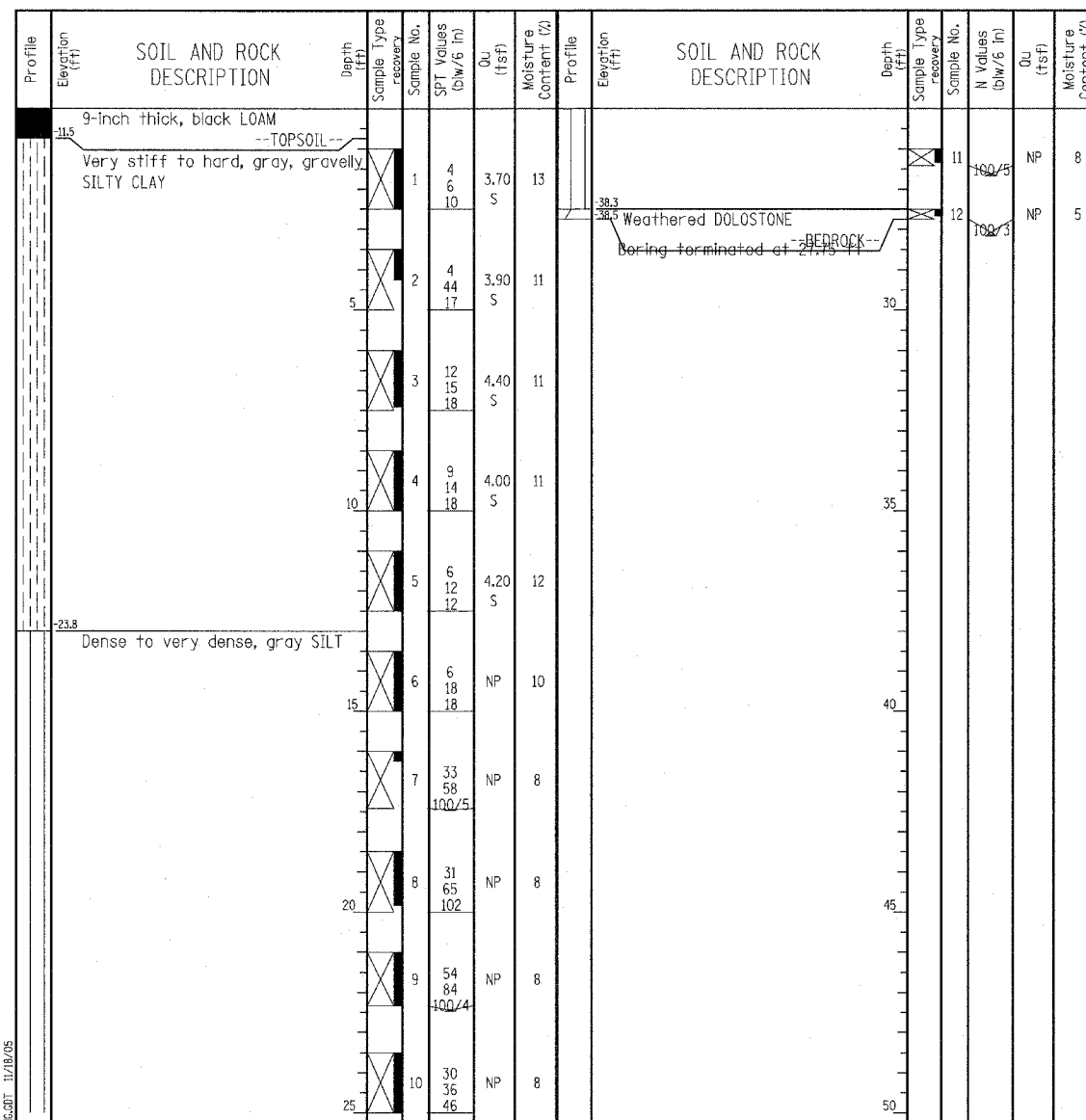
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-08-2003	Complete Drilling	05-08-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG JP-11
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -10.76 ft
 North: 1850159.52 ft
 East: 1177650.97 ft
 Station: 2287+93.8
 Offset: 63.29 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	05-09-2003	Complete Drilling	05-09-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	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 JP-09 & JP-11

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BORING LOG JP-35

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: 5.65 ft
North: 1839510.71 ft
East: 1176815.99 ft
Station: 233+17.96
Offset: 74.56 RT

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.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
	5.5	2-inch thick, black LOAM													
	4.5	Hard, gray SILTY CLAY													
		Very dense, gray SILTY LOAM, with interbeds of sand		1	5 13 34	NP	21								
	2.6	Very loose to medium dense, black to gray, fine SAND		2	8 9 7	NP	13								
	0.9	Stiff to hard, gray, gravelly SILTY CLAY		3	4 1 1	NP	27								
				4	3 5 5	4.00 P	14								
				5	3 4 7	1.80 B	16								
				6	3 6 7	1.72 B	17								
				7	3 5 7	2.87 B	13								
				8	3 8 9	4.10 B	14								
				9	6 8 13	2.30 S	14								
				10	12 18 17	3.53 S	13								
	-18.3	Boring terminated at 24.00 ft	25												

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-14-2003	Complete Drilling	05-14-2003	While Drilling	6.00 ft
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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.	

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 JP-35

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BORING LOG JP-36

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 4.23 ft
 North: 1839655.51 ft
 East: 1176777.36 ft
 Station: 233+29.23
 Offset: -51.25 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 (%)
4.23	18-inch thick CONCRETE --PAVEMENT--														
2.7	Medium dense, black and gray, medium GRAVELLY SAND	1	X	1	45 12 12	NP		23.8	Boring terminated at 28.00 ft	11	X	11	10 15 18	3.53 S	11
1.3	Stiff to hard, gray CLAY	5	X	2	11 9 8	NP	8			30	X				
		10	X	3	3 2 2	P	20			35	X				
		15	X	4	3 6 5	S	14			40	X				
		20	X	5	3 5 5	B	13			45	X				
		25	X	6	2 5 5	S	14			50	X				
		30	X	7	3 4 6	S	16				X				
	Very stiff to hard, gray SILTY CLAY, with interbeds of silt	35	X	8	6 8 9	P	4.50				X				
		40	X	9	8 11 11	S	11				X				
		45	X	10	8 12 13	P	4.50				X				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-30-2003	Complete Drilling	05-30-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Checked by	N. Davis	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-38

WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 13.22 ft
 North: 1840792.48 ft
 East: 1177919.17 ft
 Station: 249+80.32
 Offset: 115.11 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 (%)
12.1	13-inch thick, black LOAM --TOPSOIL--														
	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	1	X	1	3 3 3	S	2.87	21		11	X	11	6 7 11	3.61 S	13
		5	X	2	2 1 3	B	1.48	21		30	X	12	6 6 8	3.53 S	12
	Very soft, gray CLAY	10	X	3	1 1 2	B	0.25	22		35	X				
	Medium stiff, gray SILTY CLAY to CLAY	15	X	4	0 0 0	P	0.50	16		40	X	13	12 16 19	4.50 P	
		20	X	5	0 0 2	B	0.57	20		45	X				
	Medium dense, black, fine GRAVELLY SAND	25	X	6	10 17 11	NP		12		50	X	14	4 5 10	3.03 B	15
	Stiff to very stiff, gray, gravelly CLAY	30	X	7	4 6 9	S	1.97	13			X				
		35	X	8	5 5 8	S	3.28	15			X				
		40	X	9	6 8 11	P	3.60	16			X				
		45	X	10	7 7 11	S	3.85	14			X				
	Very dense, gray SILTY LOAM	48	X	11				12			X				
		50	X								X				

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-07-2003	Complete Drilling	05-07-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Checked by	N. Davis	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 JP-36 & JP-38

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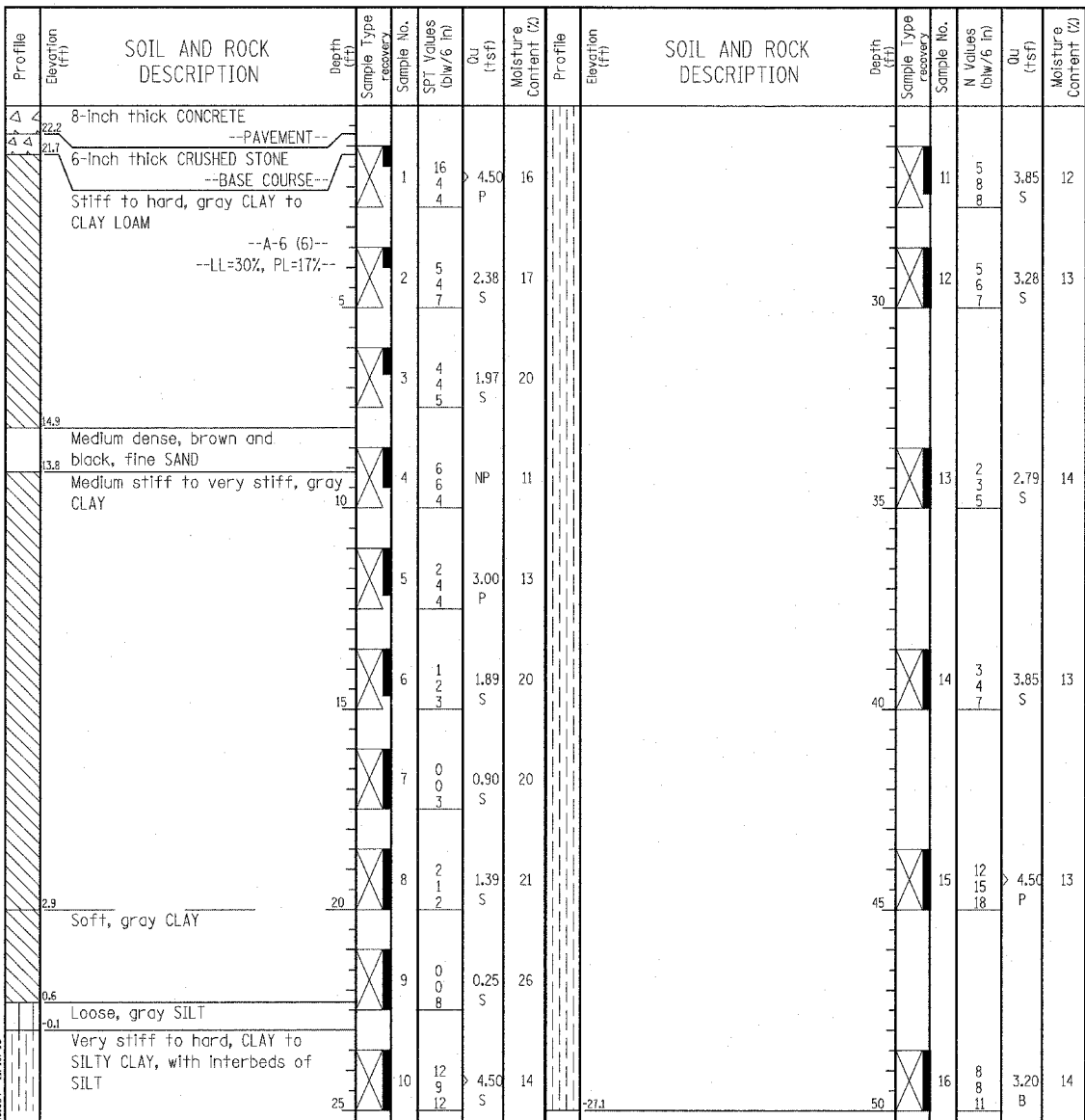
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BORING LOG JP-39
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 22.88 ft
North: 1840694.73 ft
East: 1177768.77 ft
Station: 248+46.68
Offset: -0.12 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

Page 1 of 2



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-30-2003	Complete Drilling	05-30-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

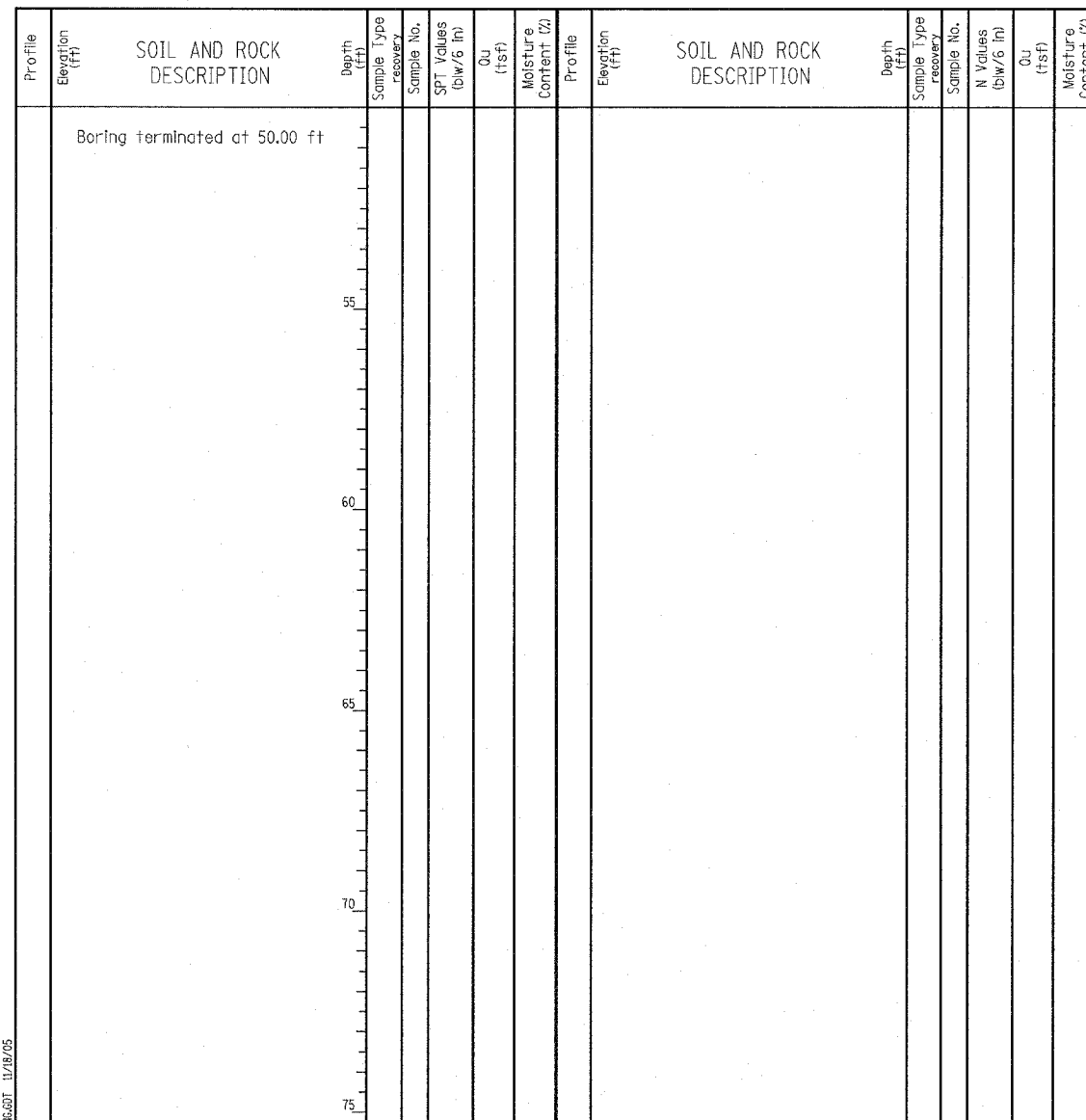
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BORING LOG JP-39
WEI Job No.: 414-07-01

Datum: CCD
Elevation: 22.88 ft
North: 1840694.73 ft
East: 1177768.77 ft
Station: 248+46.68
Offset: -0.12 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

Page 2 of 2



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-30-2003	Complete Drilling	05-30-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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	
<small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>							

LEGEND

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

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BORING LOG JP-41
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 1.14 ft
 North: 1839082.99 ft
 East: 1179232.06 ft
 Station: 243+27.80
 Offset: 2047.24 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

Page 1 of 1

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0.0	13-inch thick, black SANDY LOAM												
	--TOPSOIL--												
	Very stiff to hard, brown and gray, gravelly SILTY CLAY to CLAY	1	666	3.36	15	S							
		2	898	4.92	10	S							
		3	357	2.95	17	B							
-6.9	Loose, gray SILT, with Interbeds of sand	4	435	NP	14								
-10.1	Very stiff, SILTY CLAY, with interbeds of silt	5	444	3.77	13	S							
-11.9	Medium dense, gray, gravelly SILT	6	367	3.03	12	S							
-12.7	Very stiff to hard, gray, gravelly SILTY CLAY to CLAY	7	3914	3.85	12	S							
-18.4	Dense, gray SILT	8	51220	5.58	16	B							
-18.9	Boring terminated at 20.00 ft												

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	05-05-2003	Complete Drilling	05-05-2003	While Drilling	▽ 8.50 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ 9.00 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.						

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BORING LOG JP-42
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 3.03 ft
 North: 1839043.47 ft
 East: 1179218.79 ft
 Station: 243+08.33
 Offset: 2058.64 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

Page 1 of 1

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.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.14	7-Inch thick ASPHALT												
2.1	4-Inch thick CONCRETE												
2.4	--PAVEMENT--												
2.8	Very stiff, brown and gray CLAY	1	756	3.75	13	P							
	--FILL--												
	Very stiff to hard, gray CLAY	2	435	3.20	20	B							
		3	358	3.53	19	B							
		4	347	2.21	19	S							
		5	446	3.85	13	S							
		6	366	5.00	13	S							
		7	4911	6.15	10	S							
		8	61216	8.28	11	S							
-17.0	Boring terminated at 20.00 ft												

GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	05-27-2003	Complete Drilling	05-28-2003	While Drilling	▽ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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.						

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 JP-41 & JP-42

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BORING LOG JP-44
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -3.44 ft
 North: 1839280.85 ft
 East: 1178799.30 ft
 Station: 242+84.21
 Offset: 1578.91 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 (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	18-inch thick, black LOAM --TOPSOIL--						-28.9	CLAY, with Interbeds of silt Very dense, gray SILTY LOAM					
-4.9	Stiff to hard, brown and gray, gravelly CLAY to CLAY LOAM	1	9	7	1.00	12				11	25	NP	9
		2	3	6	1.64	16				12	18	NP	9
		3	2	5	4.20	14							
		4	2	4	3.53	14							
		5	2	7	3.12	11							
		6	5	8	3.03	15							
		7	7	15	3.00	11							
		8	6	16	NP	11							
		9	16	19	3.00	10							
		10	11	20	NP	10							
		25	11	20	NP	10							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-06-2003	Complete Drilling	05-06-2003	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	

LEGEND

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

TYLIN INTERNATIONAL

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BORING LOG JP-45
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -1.85 ft
 North: 1839237.70 ft
 East: 1178793.78 ft
 Station: 242+63.19
 Offset: 1599.63 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 (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	7-inch thick ASPHALT --PAVEMENT--							Very dense, fine black SAND Very dense, gray SILT					
	4-inch thick CONCRETE --PAVEMENT--												
	Loose, coarse SANDY GRAVEL --BASE COURSE--												
	Very stiff, brown CLAY												
	Loose to medium dense, gray SILT												
		1	8	4	3.25	17				11	27	NP	19
		2	4	6	NP	17				12	26	NP	9
		3	3	3	2.21	14							
		4	2	4	3.44	14							
		5	5	10	4.10	10							
		6	7	12	7.46	11							
		7	3	8	3.85	12							
		8	10	22	7.46	10							
		9	17	26	8.20	8							
		10	15	26	9.10	10							
		13	26	24	4.76	B							
		14	28	28	B								
		15	28	28	B								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-28-2003	Complete Drilling	05-28-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS JP-44 & JP-45

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG JP-47
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 8.28 ft
 North: 1840420.73 ft
 East: 1177984.72 ft
 Station: 246+82.74
 Offset: 301.1 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 JP-48
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 10.60 ft
 North: 1840403.42 ft
 East: 1177936.91 ft
 Station: 246+51.80
 Offset: 264.6 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 (%)
7.0	16-inch thick, black LOAM --TOPSOIL--														
	Medium stiff to very stiff, gray, gravelly CLAY, with silt and sand interbeds	1	X	1	5 4 6	3.53 B	13			11	X	11	20 12 14	6.81 S	11
		2	X	2	1 2 2	1.89 B	18			30	X	12	10 11 14	6.81 S	12
		3	X	3	1 0 0	0.74 B	21				X	13	8 16 20	6.31 S	12
		4	X	4	0 6 7	2.95 B	18	-26.2	Dense, gray, medium to coarse, 35 GRAVELLY SANDY LOAM, dry		X	14	4 7 13	3.28 B	14
		5	X	5	7 12 13	2.25 P	12	-28.7	Very stiff, gray, gravelly SILTY CLAY						
	Medium dense, gray, gravelly coarse SAND	6	X	6	3 7 10	6.23 S	11	-31.7	Boring terminated at 40.00 ft						
	Very stiff to hard, gray, gravelly CLAY	7	X	7	2 5 6	3.61 B	13								
		8	X	8	2 4 6	3.77 B	16								
		9	X	9	4 4 5	2.71 B	18								
		10	X	10	2 4 6	3.03 B	18								

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 (%)
10.6	3-inch thick ASPHALT --PAVEMENT--														
9.6	9-inch CONCRETE --PAVEMENT--														
8.2	Medium dense, brown, fine SAND --BASE COURSE--														
	Medium stiff to stiff, gray CLAY	1	X	1	11 4 3	NP	13			11	X	11	4 6 8	4.26 B	13
		2	X	2	3 2 3	1.15 B	19			30	X	12	5 9 14	5.82 B	12
		3	X	3	2 1 2	0.57 B	20				X	13	6 11 14 15	8.28 B	11
		4	X	4	1 1 1	0.82 B	19								
	Medium dense, gray SILTY LOAM, with silty clay interbeds	5	X	5	11 11 14	NP	16								
	Very stiff to hard, gray CLAY to SILTY CLAY	6	X	6	5 7 10	6.40 B	12								
		7	X	7	4 9 10	6.07 B	12								
		8	X	8	3 7 9	5.58 B	13								
		9	X	9	4 4 7	3.28 B	16								
		10	X	10	5 7 5	2.95 B	18								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-06-2003	Complete Drilling	05-06-2003	While Drilling	▽	12.30 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽		
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.							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-29-2003	Complete Drilling	05-29-2003	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	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.							

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 JP-47 & JP-48

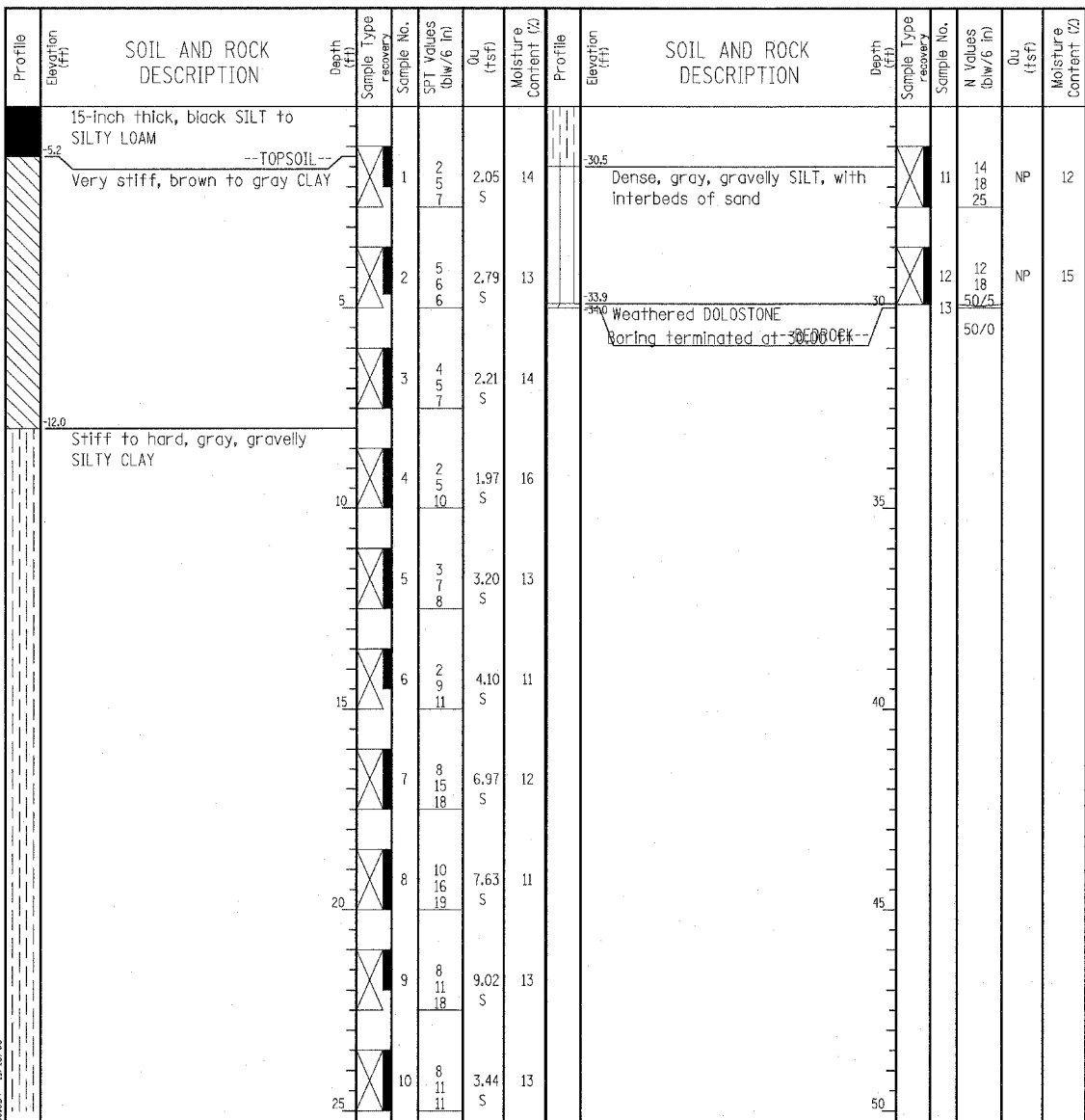
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG JP-50
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: -3.97 ft
North: 1839921.94 ft
East: 1177180.33 ft
Station: 238+50.04
Offset: -65.13

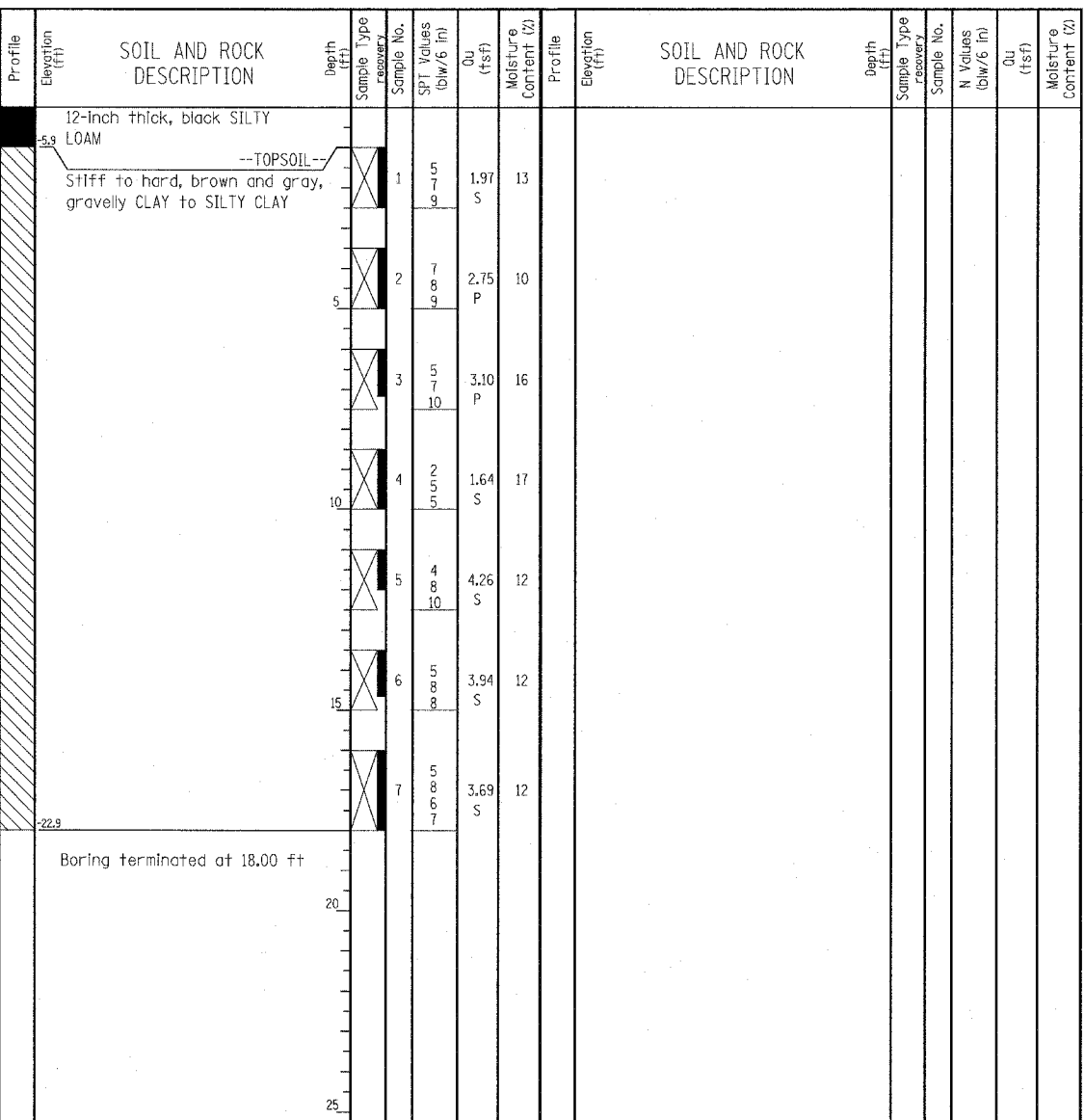


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-16-2003	Complete Drilling	05-16-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion.			Depth to Water	∇	NA	

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BORING LOG JP-51
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: -4.91 ft
North: 1839820.00 ft
East: 1177244.96 ft
Station: 238+30.93
Offset: 54.06



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-16-2003	Complete Drilling	05-16-2003	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	

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 JP-50 & JP-51

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG JP-52
 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: 4.00 ft
 North: ft
 East: ft
 Station: 2003+16
 Offset: 45

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	N Values (blows/6 in)	OU (tsf)	Moisture Content (%)
3.3	8-inch thick ASPHALT --PAVEMENT--												
3.3	Very stiff to hard, gray CLAY		1	3 4 6	3.50 P	16				11	11 19 24	4.50 P	10
			2	6 9 7	4.00 P	17				12	9 17 19	4.50 P	9
			3	6 6 9	> 4.50 P	18							
-4.0	Hard, gray SILTY CLAY		4	6 6 10	> 4.50 P	9				13	10 15 21	> 4.50 P	13
			5	6 6 9	> 4.50 P	8							
			6	6 8 10	> 4.50 P	13				14	9 26 24	> 4.50 P	12
			7	6 7 9	> 4.50 P	12							
			8	6 9 13	> 4.50 P	12	-39.0	Medium dense, gray SAND and GRAVEL-size dolostone clasts		15	12 28 32	NP	15
			9	4 8 12	> 4.50 P	12							
			10	6 10 14	> 4.50 P	12							
							-40.5	in a hard, clay matrix					
								Boring terminated at 44.50 ft --WEATHERED BEDROCK--					

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-14-2003	Complete Drilling	07-14-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	J.C.	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 JP-52

SCALE: N.T.S.
 DATE: MARCH 7, 2006

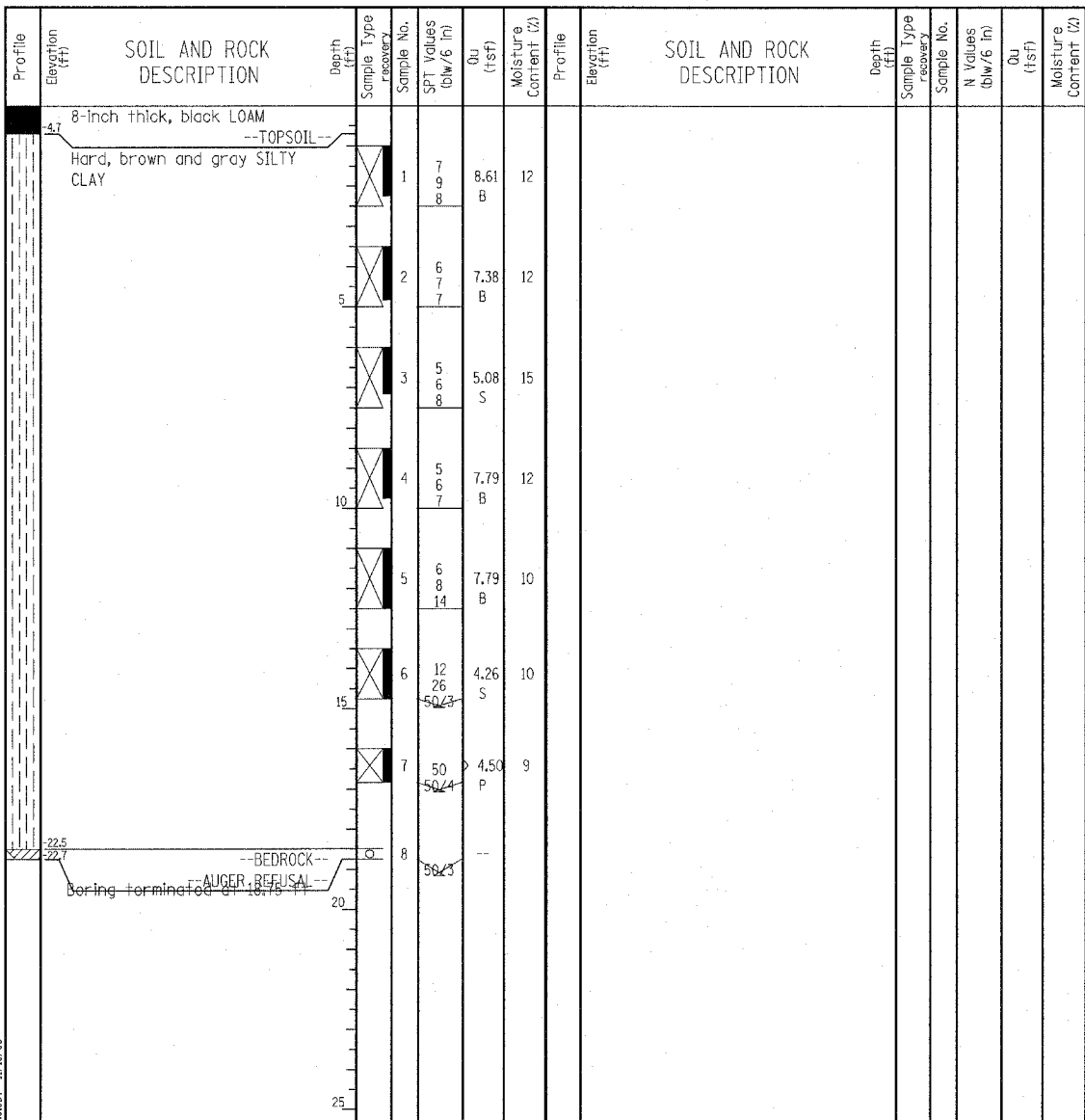
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BORING LOG SB SGN 01A Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -3.98 ft
 North: 1839415.15 ft
 East: 1175035.92 ft
 Station: 215+44
 Offset: 48' 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



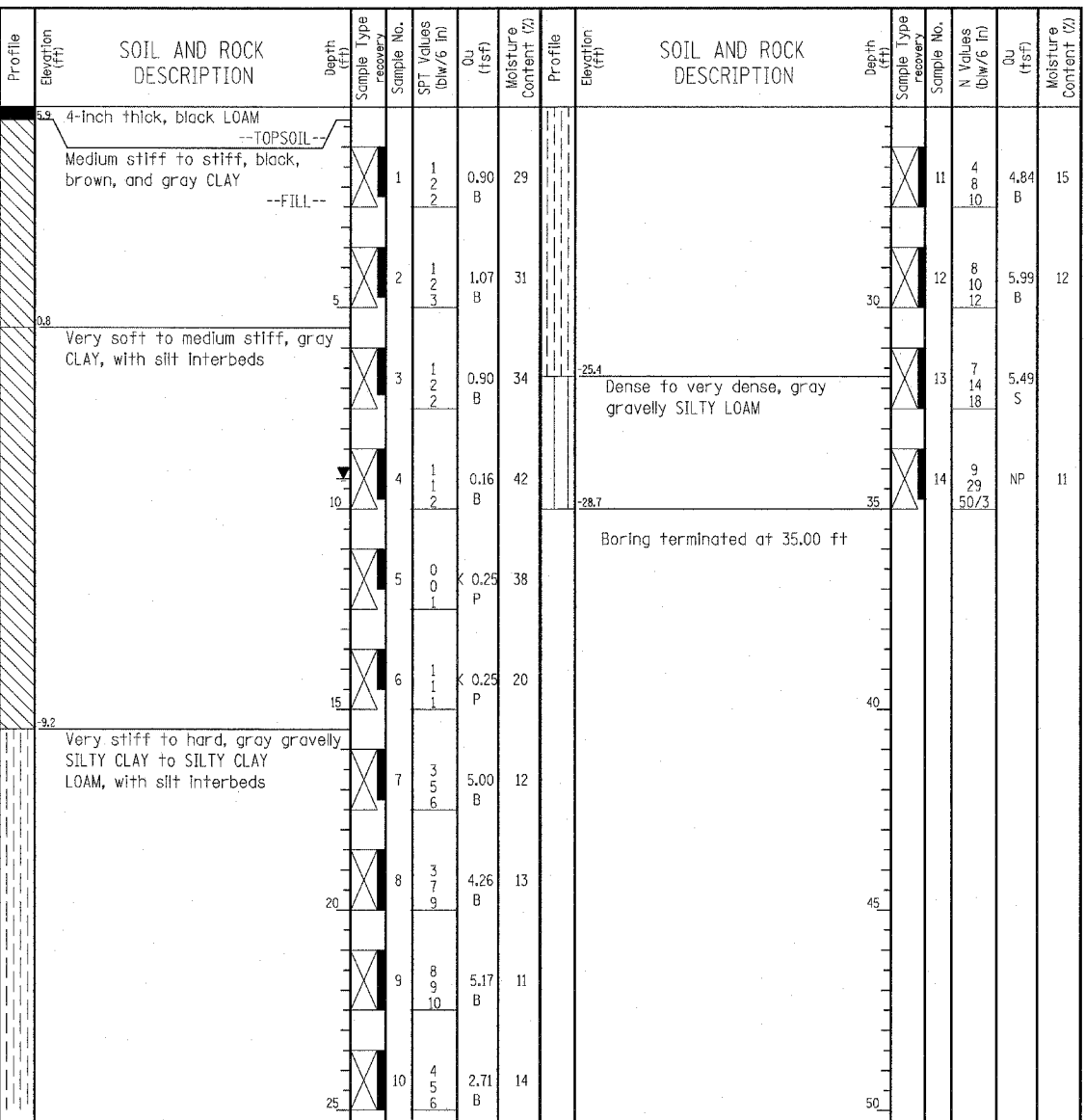
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-17-2005	Complete Drilling	03-17-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled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

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BORING LOG SB SGN 01B Page 1 of 1

WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 6.26 ft
 North: 1839269.38 ft
 East: 1175039.04 ft
 Station: 215+44
 Offset: 44' 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	02-17-2005	Complete Drilling	02-17-2005	While Drilling	∇	9.25 ft	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	9.25 ft	
Driller	K&A	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

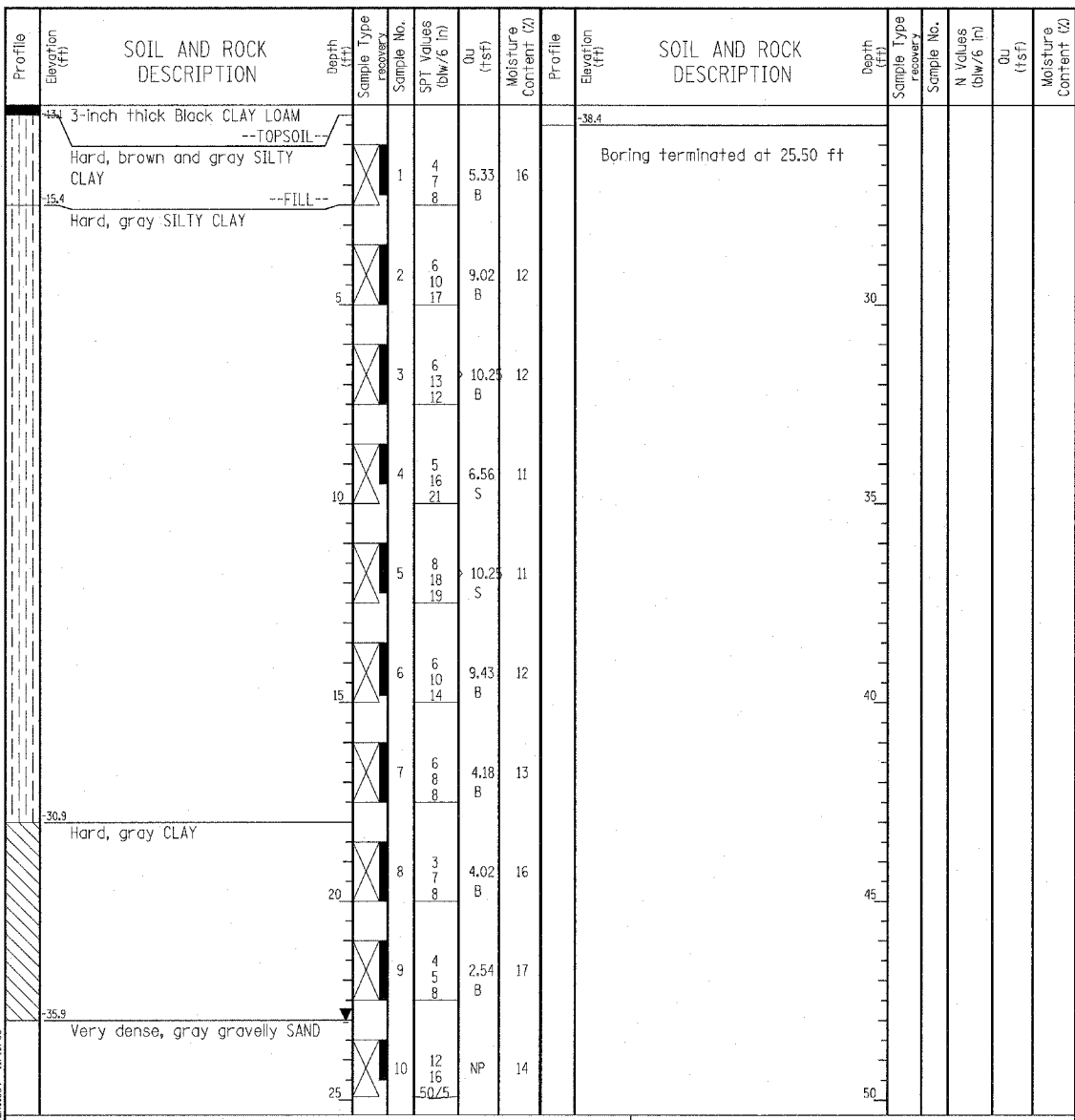
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB-SGN-1A & SB-SGN-1B

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BORING LOG SB SGN 03A
 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: -12.87 ft
 North: 1839875.66 ft
 East: 1177430.67 ft
 Station: 334+00
 Offset: 56' LT

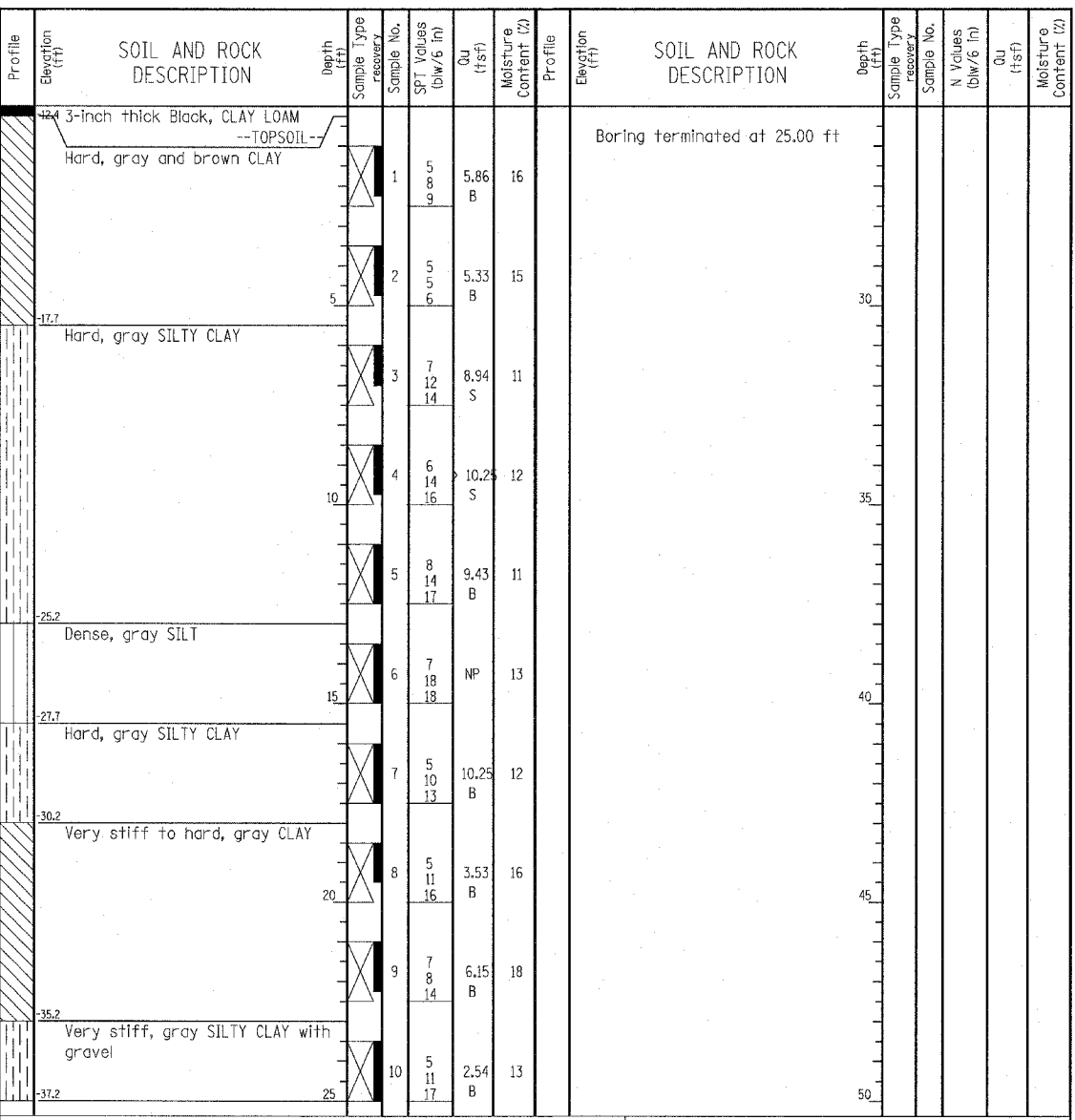


GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	▽ 23.00 ft
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ 23.00 ft
Driller	J&R	Logger	Y. Shu	Time After Drilling	NA
Drilling Method	3.25" ID. HSA; Boring backfilled 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 SGN 03B
 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: -12.15 ft
 North: 1839924.61 ft
 East: 1177431.68 ft
 Station: 334+00
 Offset: 29' RT



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	▽ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ DRY
Driller	J&R	Logger	Y. Shu	Time After Drilling	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 SB-SGN-3A & SB-SGN-3B

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG



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BORING LOG SB SGN 04A
 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: 2.44 ft
 North: 1838921.36 ft
 East: 1180273.73 ft
 Station: 2006+00
 Offset: 36' 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 (%)
-22.6	Very stiff to hard gray, gravelly SILTY			1	136	3.20 B	18		Boring terminated at 25.00 ft						
		5		2	446	3.53 B	18			30					
		10		3	247	3.85 B	18			35					
		15		4	357	2.71 B	16			40					
		20		5	511	2.19 B	12			45					
		25		6	468	4.51 B	13			50					
				7	361	5.58 S	9								
				8	410	8.94 S	11								
				9	612	5.90 S	11								
				10	623	4.50 P	9								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-07-2005	Complete Drilling	04-08-2005	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		
Checked by	N. Davis	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 04B
 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: 1.69 ft
 North: 1839027.97 ft
 East: 1180259.83 ft
 Station: 2006+00
 Offset: 30' 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 (%)
0.0	8-Inch thick Black CLAY LOAM --TOPSOIL--			1	1113	5.41 B	19		Boring terminated at 25.00 ft						
	Hard, brown and gray CLAY --FILL--			2	7910	5.33 B	14			30					
1.3	Hard, gray SILTY CLAY			3	611	7.30 B	13			35					
		10		4	610	4.92 B	12			40					
		15		5	510	7.05 B	13			45					
		20		6	6811	5.17 B	12			50					
				7	818	NP	13								
13.8	Dense, gray SILT with sand			8	818	9.84 S	11								
16.3	Hard, gray SILTY CLAY with silt interbeds			9	816	4.92 S	11								
		25		10	2245	4.50 P	10								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	J&R	Logger	Y. Shiu	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

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB-SGN-4A & SB-SGN-4B

SCALE: N.T.S. DRAWN BY: RTM
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 Fax: 630 953-9938

BORING LOG SB SGN 05A 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: -1.57 ft
 North: 1841830.06 ft
 East: 1177820.92 ft
 Station: 2204+66
 Offset: 10' 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.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-2.3	9-inch thick, ASPHALT --PAVEMENT--							Boring terminated at 25.00 ft					
-2.8	6-inch thick, CRUSHED STONE --BASE COURSE-- Very stiff to hard, gray gravelly SILTY CLAY, with silt interbeds	1	1078	4.50	10								
		2	8910	2.13	11								
		3	11710	4.59	14								
		4	8716	2.87	15								
-11.3	Medium dense, gray SILT												
-13.1	Hard, gray gravelly SILTY CLAY												
		5	71414	NP	14								
		6	31011	4.50	12								
		7	41015	4.10	13								
		8	71520	6.15	11								
-23.1	Very dense, gray SILT												
		9	103142	NP	11								
-25.6	Hard, gray SILTY CLAY												
-26.1	Dense, gray SILT												
-26.6		10	91825	4.50	10								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-05-2005	Complete Drilling	04-06-2005	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	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG SB SGN 07A 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: 2.60 ft
 North: 1845644.37 ft
 East: 1177712.86 ft
 Station: 2242+70
 Offset: 12' 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.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-1.4	14-inch thick, CONCRETE --PAVEMENT--							Boring terminated at 24.90 ft					
	Medium dense to dense, brown GRAVELLY SAND --FILL--	1	9624	NP	14								
		2	123050/5	NP	36								
-1.8	Very dense, blue-green GRAVELLY SAND												
-2.9	Very stiff to hard, gray SILTY CLAY --FILL-- --SLAG--												
		3	449	3.28	20								
		4	4611	5.66	18								
-7.2	Medium dense, gray SILT												
-7.5	Stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM, with silt and gravel interbeds												
		5	3711	2.95	12								
		6	61216	1.64	12								
		7	51013	5.00	14								
		8	5911	4.02	12								
		9	61726	3.28	11								
		10	63750/5	4.50	13								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-05-2005	Complete Drilling	04-05-2005	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	
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-SGN-5A & SB-SGN-7A

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPC

Wang Engineering, INC.
 Consulting Geotechnical and Environmental Engineers
 wangeng3@wangeng.com
 1145 Main Street
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BORING LOG SB SGN 08A 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: -3.94 ft
 North: 1847790.70 ft
 East: 1177644.51 ft
 Station: 2264+34
 Offset: 9' 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 (%)
5.1	14-inch thick, CONCRETE --PAVEMENT--												
	Stiff to hard, gray gravelly SILTY CLAY, with silt interbeds	1	1	3 2 4	1.97 B	28		Boring terminated at 25.40 ft					
		2	2	8 8 8	3.69 B	19							
		3	3	5 8 15	4.00 P	13							
		4	4	4 6 8	3.61 B	13							
		5	5	6 11 12	4.51 B	12							
		6	6	6 8 12	4.02 B	12							
		7	7	4 8 12	4.84 B	12							
		8	8	6 15 33	4.50 P	11							
		9	9	9 30 34	4.50 P	9							
		10	10	12 50 25	2.71 S	11							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-05-2005	Complete Drilling	04-05-2005	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 09A 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: -6.37 ft
 North: 1849621.27 ft
 East: 1177599.76 ft
 Station: 2282+42
 Offset: 12' 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 (%)
4.4	14-inch thick, CONCRETE --PAVEMENT--												
	4-inch thick, CRUSHED STONE --BASE COURSE--	1	1	10 5 7	4.50 P	12		Boring terminated at 26.00 ft					
	Hard, gray gravelly SILTY CLAY, with silt interbeds	2	2	12 12 12	4.50 P	11							
		3	3	10 13 18	4.50 P	10							
		4	4	5 9 12	6.89 B	12							
		5	5	5 10 15	8.94 B	12							
		6	6	4 11 16	7.63 S	12							
		7	7	5 9 12	6.48 S	11							
		8	8	6 18 33	6.56 B	12							
27.4	Gray, finely crystalline, medium bedded, slightly to moderately weathered, strong DOLOSTONE --BEDROCK--												
	21'-26' bgs Recovery = 84%												

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-06-2005	Complete Drilling	04-06-2005	While Drilling	☑	DRY	
Drilling Contractor	Patrick 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	

LEGEND

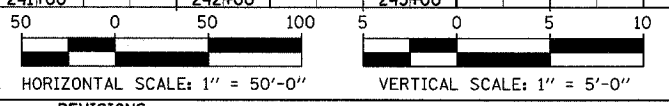
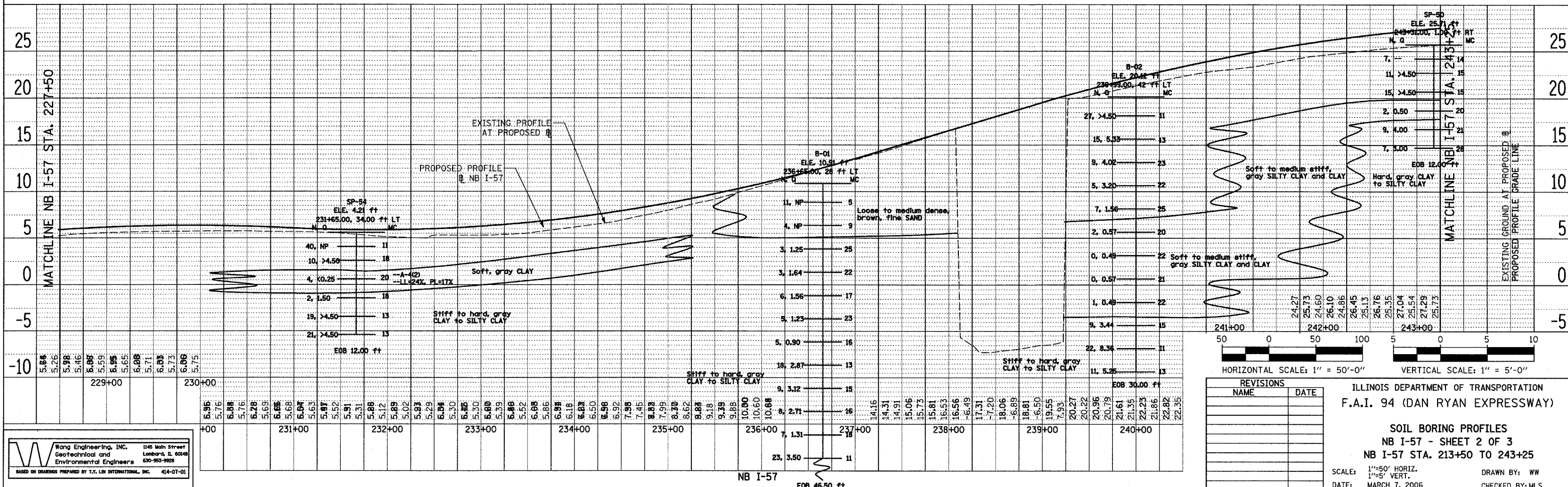
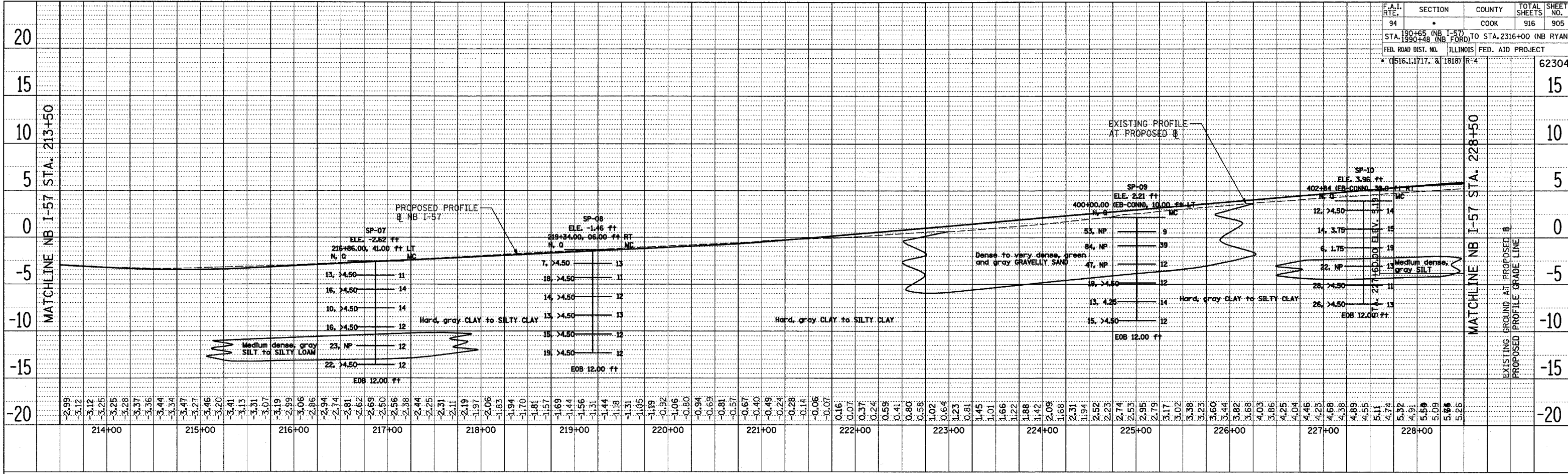
NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB-SGN-8A & SB-SGN-9A

SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG



REVISIONS	
NAME	DATE

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

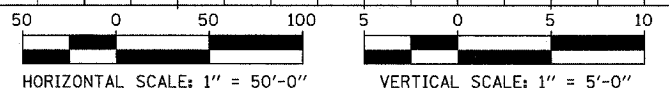
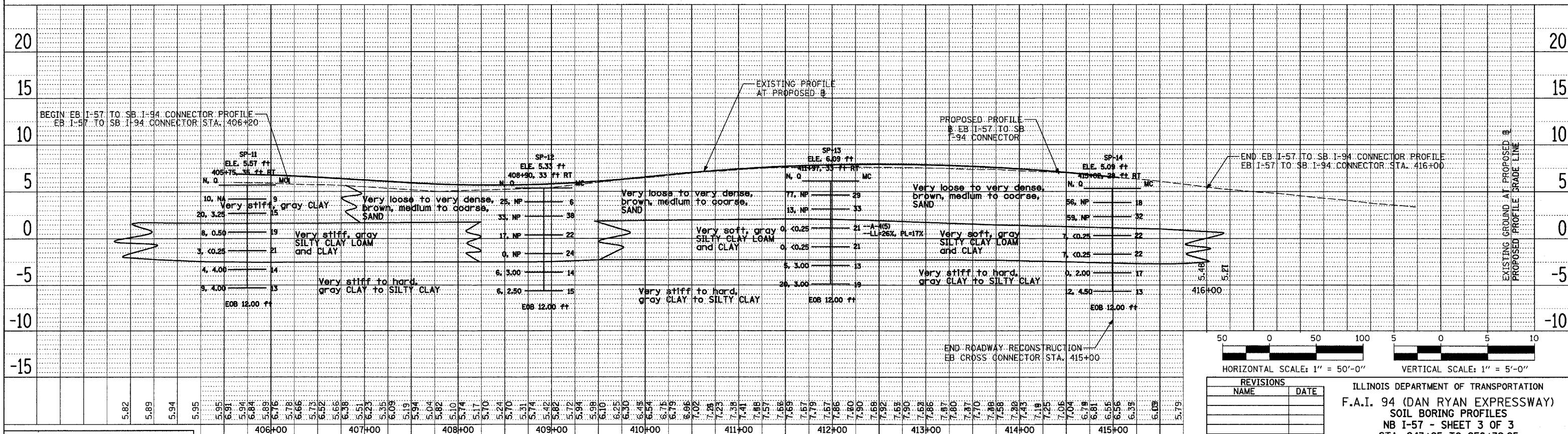
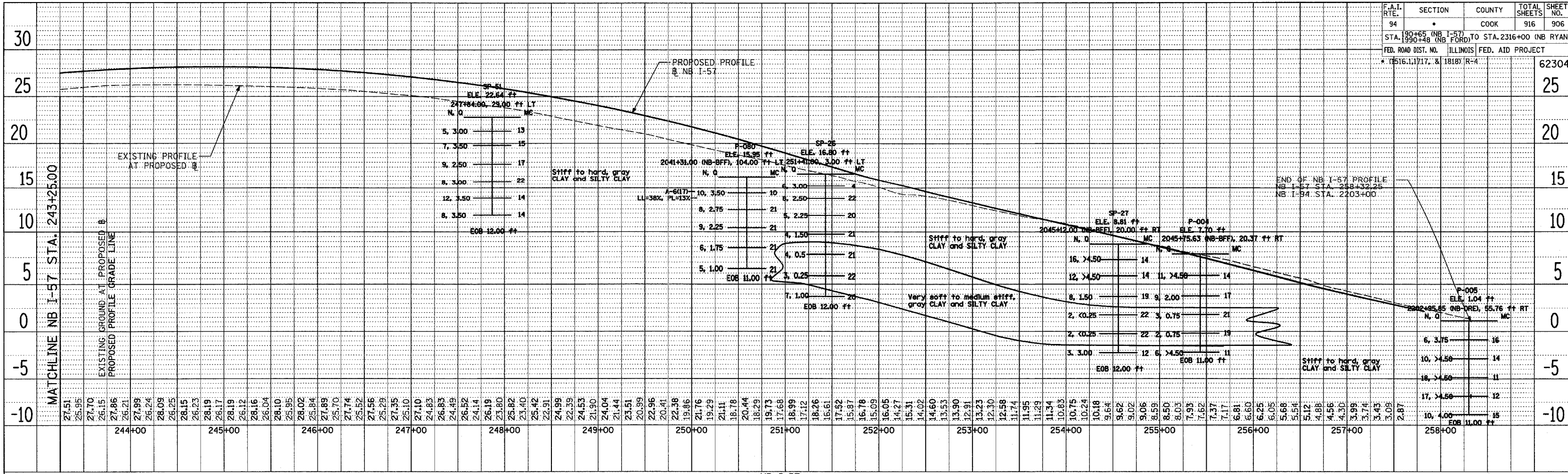
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 NB I-57 - SHEET 2 OF 3
 NB I-57 STA. 213+50 TO 243+25

SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

Wang Engineering, Inc.
 Geotechnical and Environmental Engineers
 1146 Main Street
 Lombard, IL 60148
 630-953-9928
 414-07-01

DATE	
BY	
REVISIONS	
PLANNED	
DESIGNED	
CHECKED	
DATE	

DATE	
BY	
REVISIONS	
PLANNED	
DESIGNED	
CHECKED	
DATE	



REVISIONS	
NAME	DATE

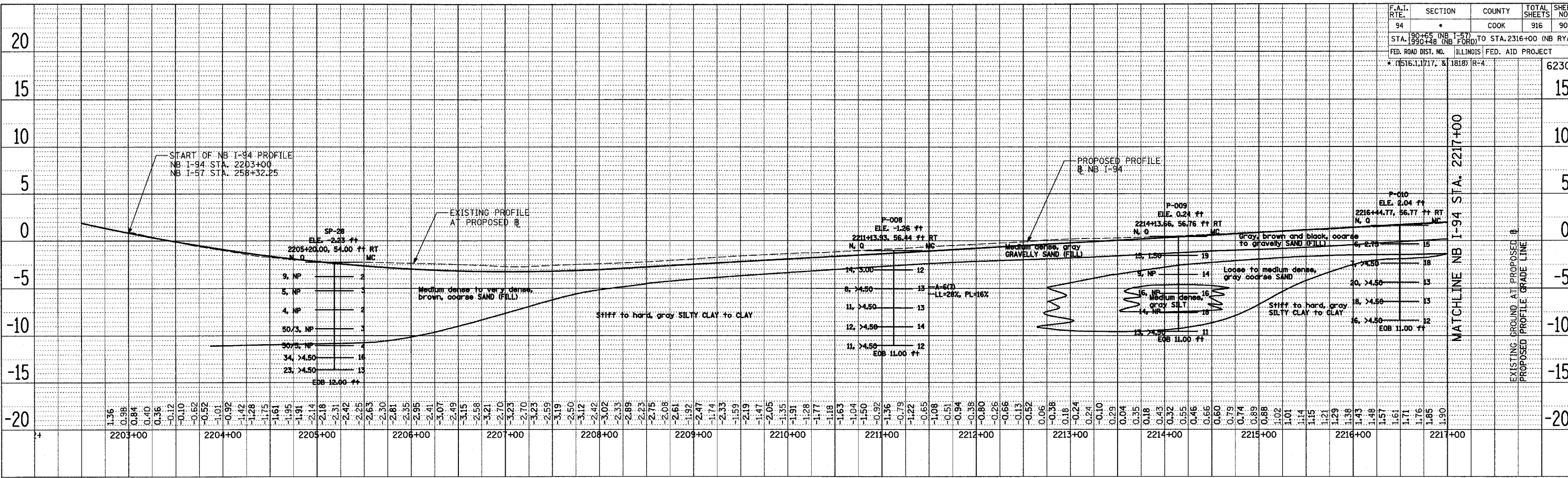
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORING PROFILES
NB I-57 - SHEET 3 OF 3
STA. 243+25 TO 258+32.25
EB CROSS-CONNECTOR (EB I-57 TO SB I-94)
SHEET 1 OF 1 - STA. 406+20 TO 416+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

Wang Engineering, Inc.
 1545 1/2th Street
 Lombard, IL 60148
 Geotechnical and
 Environmental Engineers
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

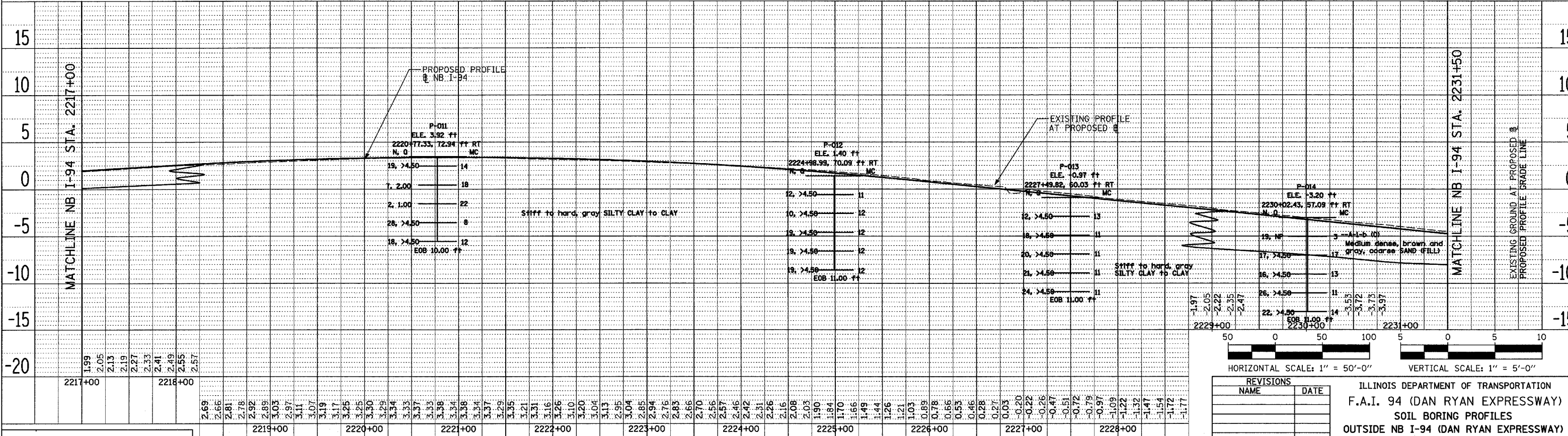
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 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 PLAN CHECKED: _____
 ALIGNED: _____
 NOTE BOOK NO.: _____
 CAD FILE NAME: _____

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 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 PLAN CHECKED: _____
 ALIGNED: _____
 NOTE BOOK NO.: _____
 CAD FILE NAME: _____

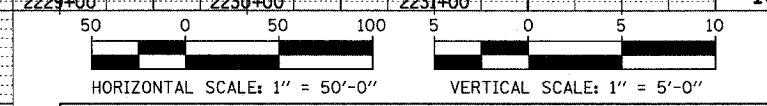
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	916	907
STA. 190+65 (NB I-94) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NB I-94 (DAN RYAN EXPRESSWAY)

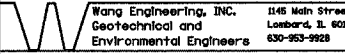


NB I-94 (DAN RYAN EXPRESSWAY)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 1 OF 8
 NB I-94 STA. 2203+00 TO 2231+50
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS


Wang Engineering, Inc.
 Geotechnical and
 Environmental Engineers
 1148 Main Street
 Lombard, IL 60148
 630-953-9923
 414-07-01

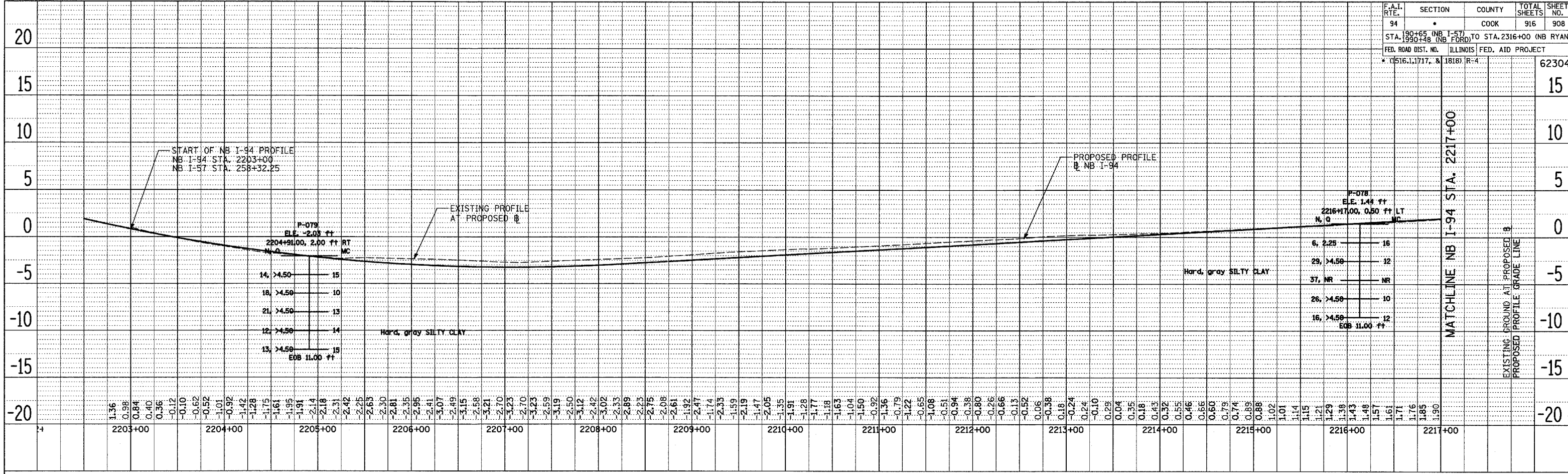
DATE	
BY	
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BY	

SURVEYED
 PLOTTED
 CHECKED
 REVISIONS
 PLAN
 NOTE BOOK
 NO.

DATE	
BY	
DATE	
BY	

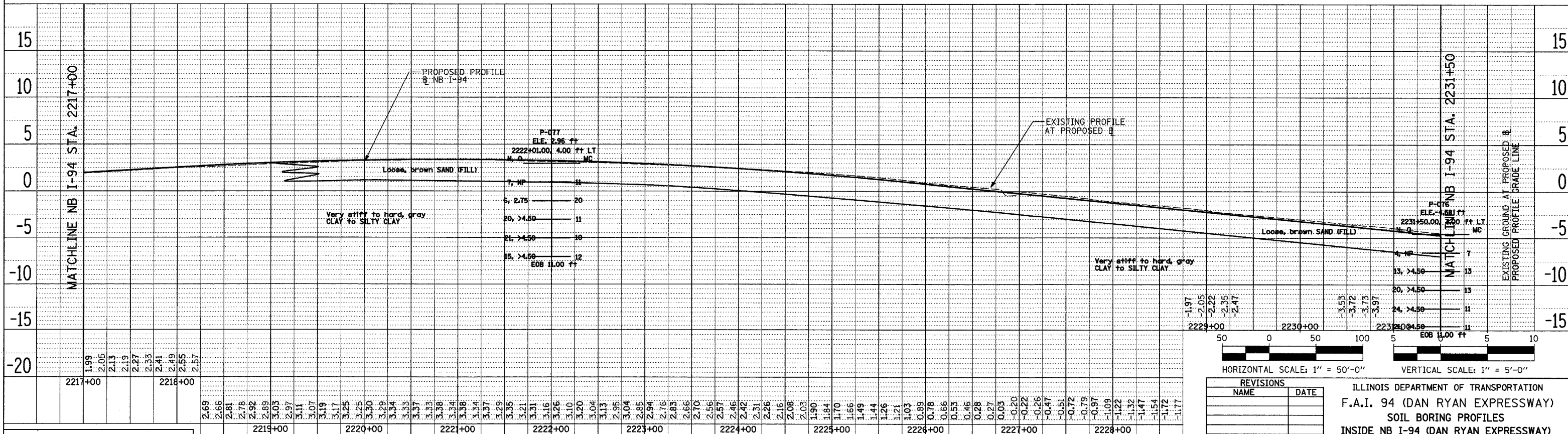
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 PLOTTED
 CHECKED
 REVISIONS
 PLAN
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 BY: _____
 SUPERVISOR: _____
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 NO. _____
 DATE FILE NAME: _____

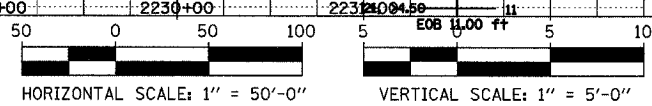


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 BY: _____
 SUPERVISOR: _____
 PLOTTED: _____
 CHECKED: _____
 ALIGNED: _____
 NO. _____
 DATE FILE NAME: _____

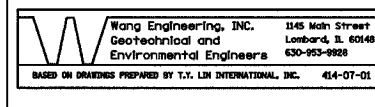


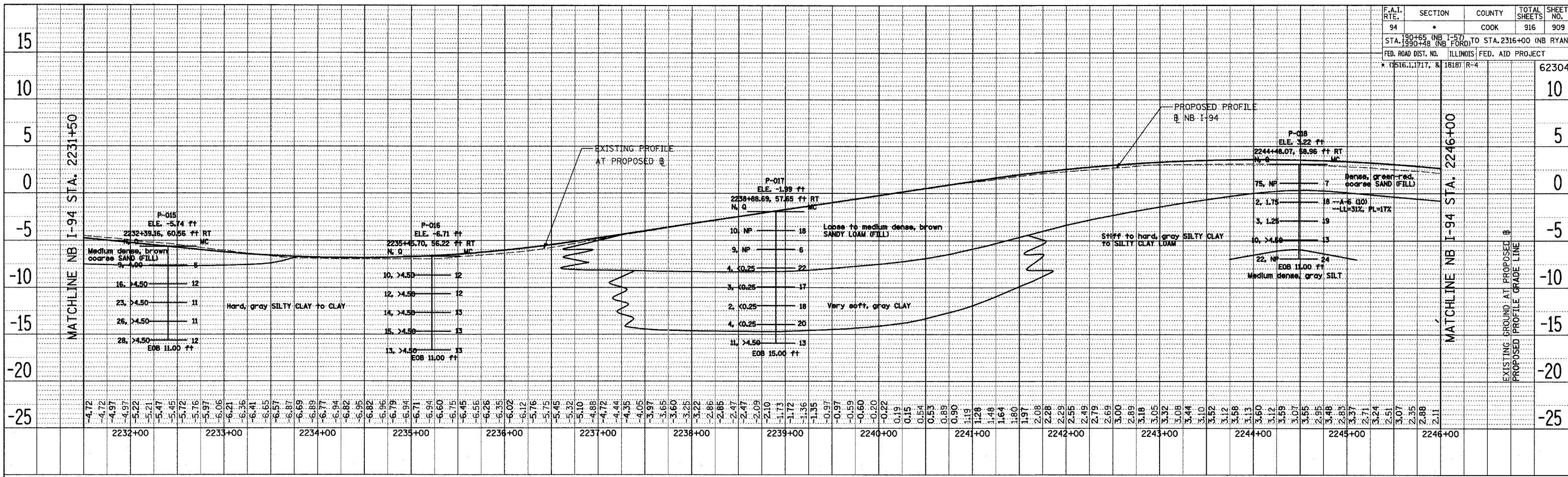
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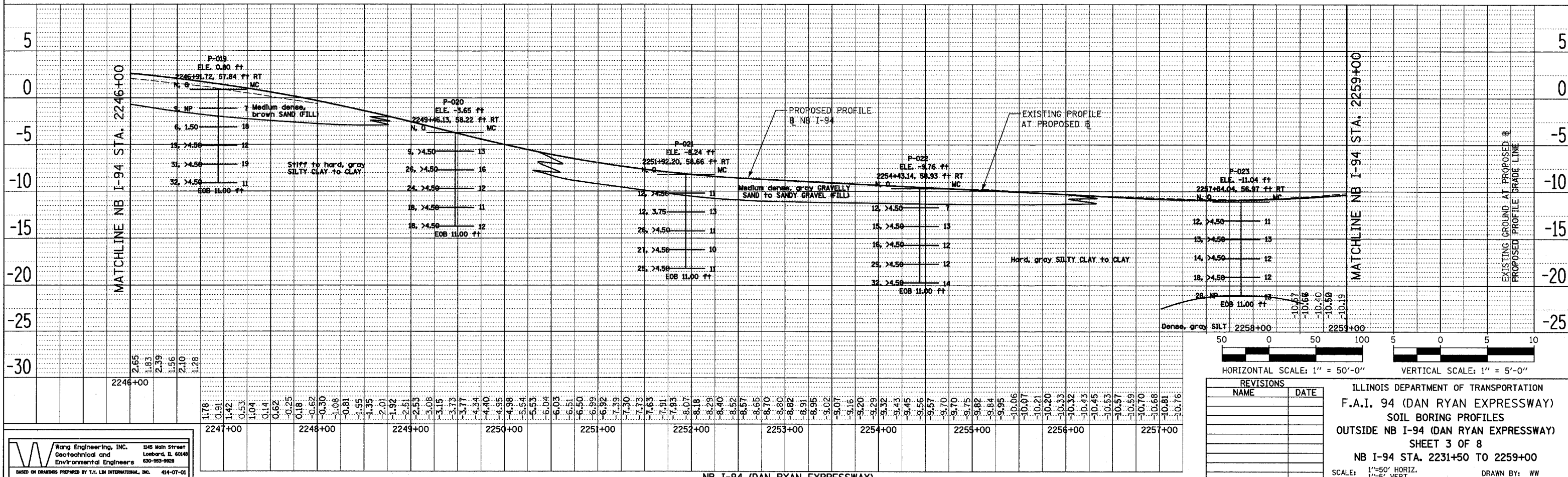
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 INSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 2 OF 8
 NB I-94 STA. 2203+00 TO 2231+50
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

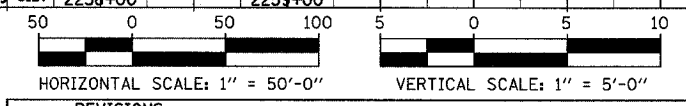




NB I-94 (DAN RYAN EXPRESSWAY)



NB I-94 (DAN RYAN EXPRESSWAY)



REVISIONS	
NAME	DATE

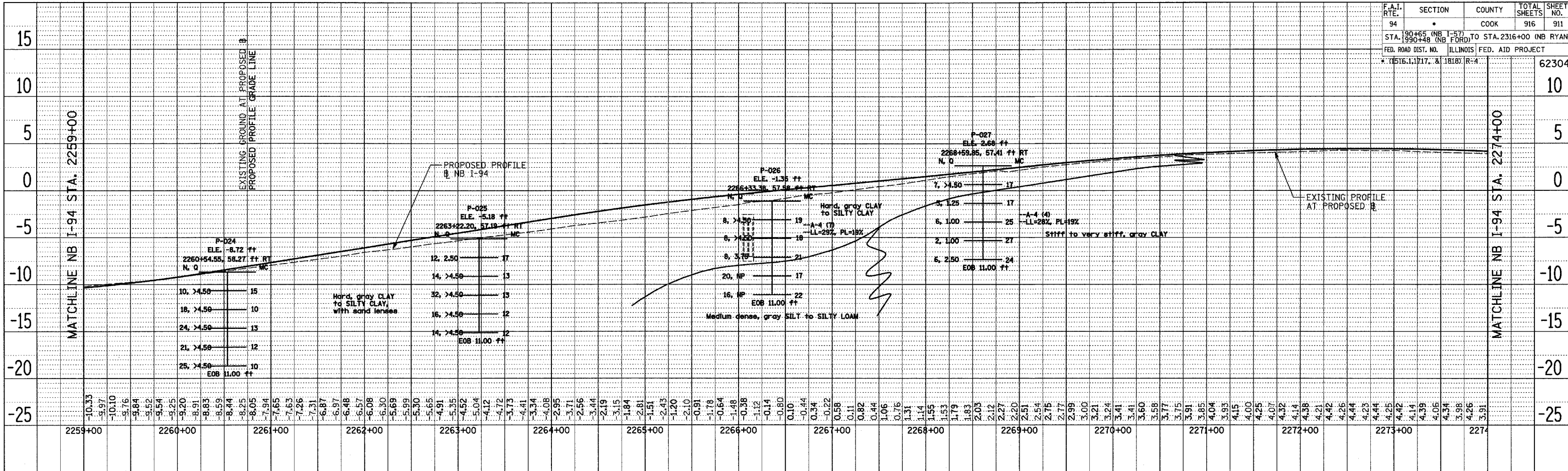
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 3 OF 8
 NB I-94 STA. 2231+50 TO 2259+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

Wang Engineering, Inc.
 Geotechnical and Environmental Engineers
 1545 Main Street
 Lombard, IL 60148
 630-953-9928
 414-07-01

DATE: _____
 BY: _____
 REVIEWED: _____
 PLOTTED: _____
 PLAN: _____
 NOTE BOOK: _____
 NO. _____

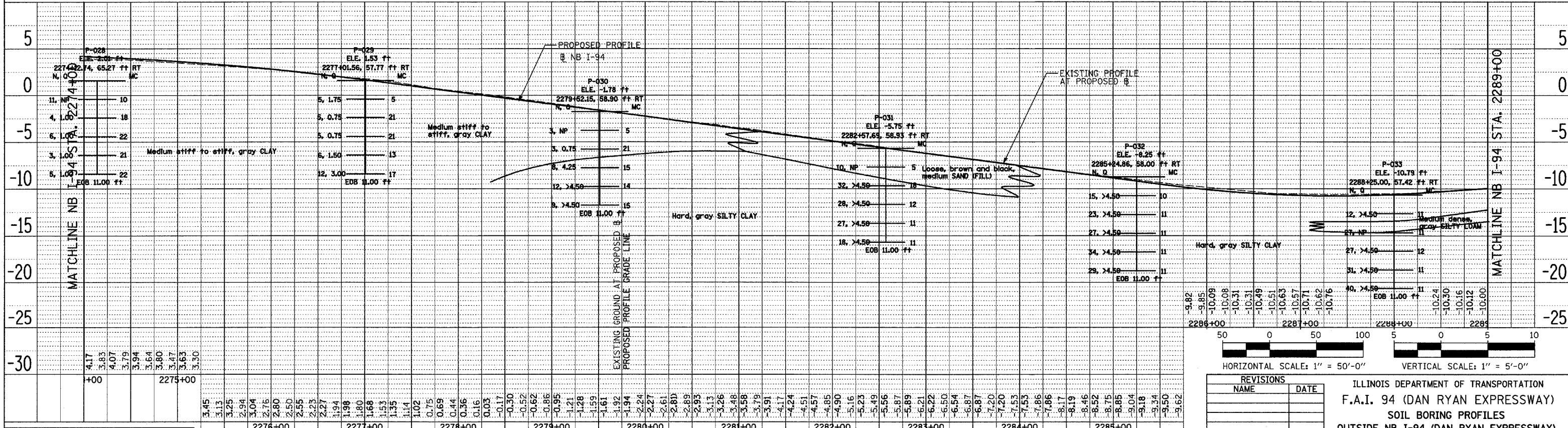
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 REVIEWED: _____
 PLOTTED: _____
 PLAN: _____
 NOTE BOOK: _____
 NO. _____

DATE: _____ BY: _____
 PLAN SURVEYED, PLOTTED, ALIGNED, CHECKED, NOTE BOOK, CARD FILE NAME, NO. _____

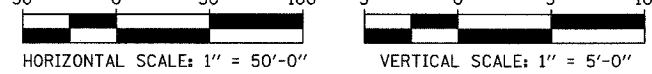


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DATE: _____ BY: _____
 PLAN SURVEYED, PLOTTED, ALIGNED, CHECKED, NOTE BOOK, CARD FILE NAME, NO. _____



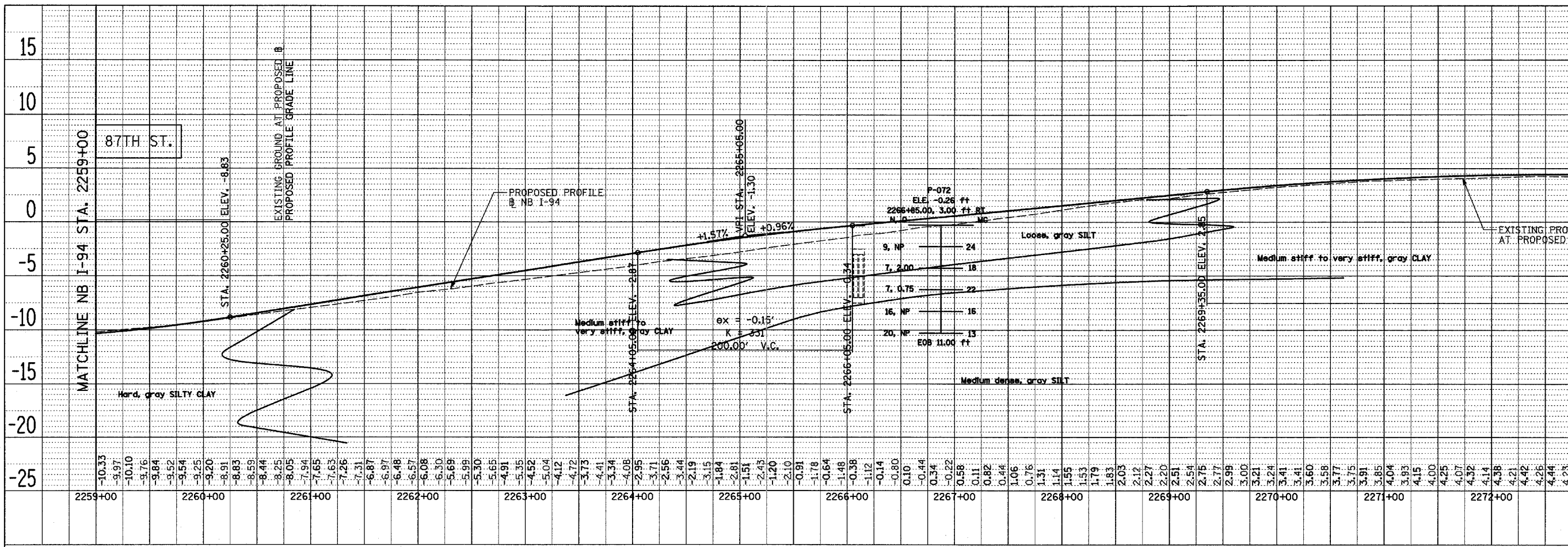
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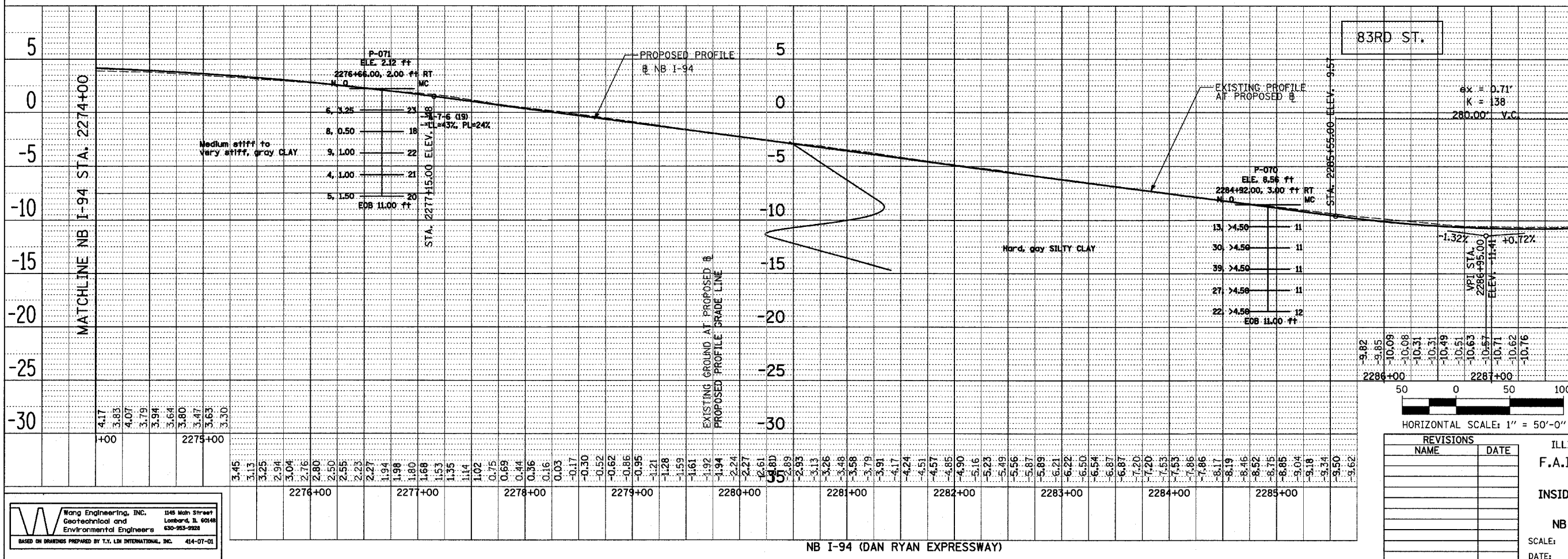
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 5 OF 8
 NB I-94 STA. 2259+00 TO 2289+00
 SCALE: 1"=50' HORIZ. 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 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



NB I-94 (DAN RYAN EXPRESSWAY)



NB I-94 (DAN RYAN EXPRESSWAY)

83RD ST.

ex = 0.71'

K = 138

280.00' V.C.

P-070
ELE. 8.56 ft

2284+92.00, 3.00 ft RT

N.O. MC

13 >4.50 11

30 >4.50 11

39 >4.50 11

27 >4.50 11

22 >4.50 12

EOB 11.00 ft

STA. 2288+35.00 ELEV. -9.57

-1.32%

+0.72%

VPI STA. 2288+35.00
ELEV. -11.41

50 100

50 100

HORIZONTAL SCALE: 1" = 50'-0"

VERTICAL SCALE: 1" = 5'-0"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORING PROFILES
INSIDE NB I-94 (DAN RYAN EXPRESSWAY)
SHEET 6 OF 8
NB I-94 STA. 2259+00 TO 2289+00

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

DATE: MARCH 7, 2006

DRAWN BY: WW
CHECKED BY: MLS

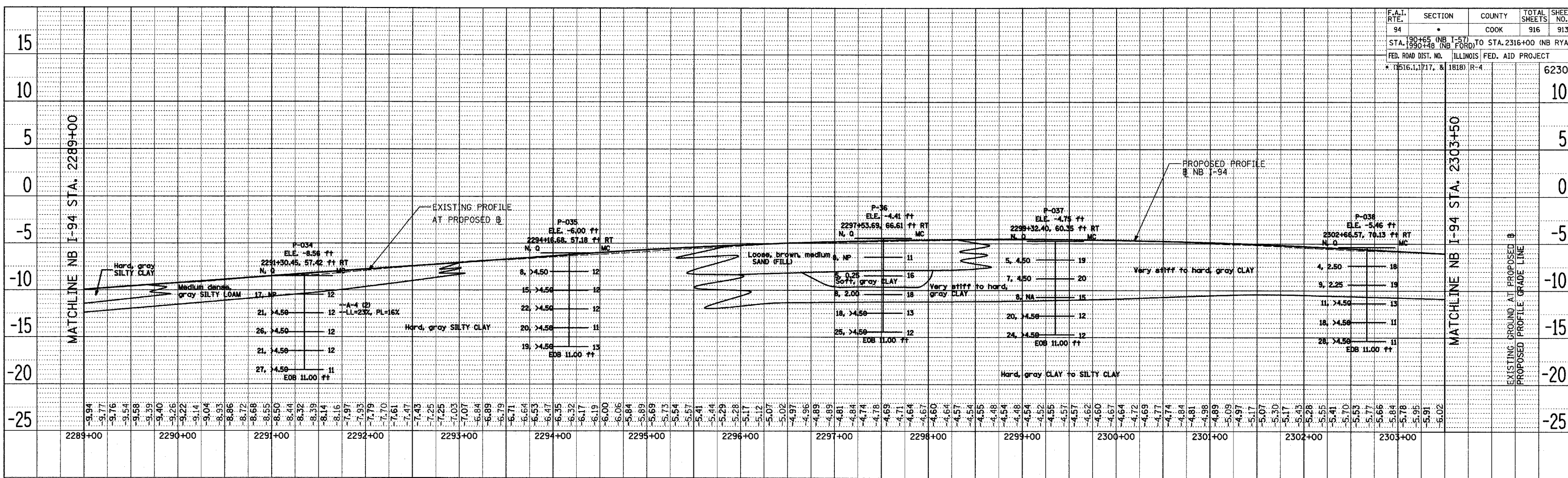
Wang Engineering, Inc. 1545 Mohr Street
Geotechnical and Environmental Engineers Lombard, IL 60148
630-953-9928

BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

DATE	
BY	
CHECKED	
PLANNED	
NOTED	
NO.	

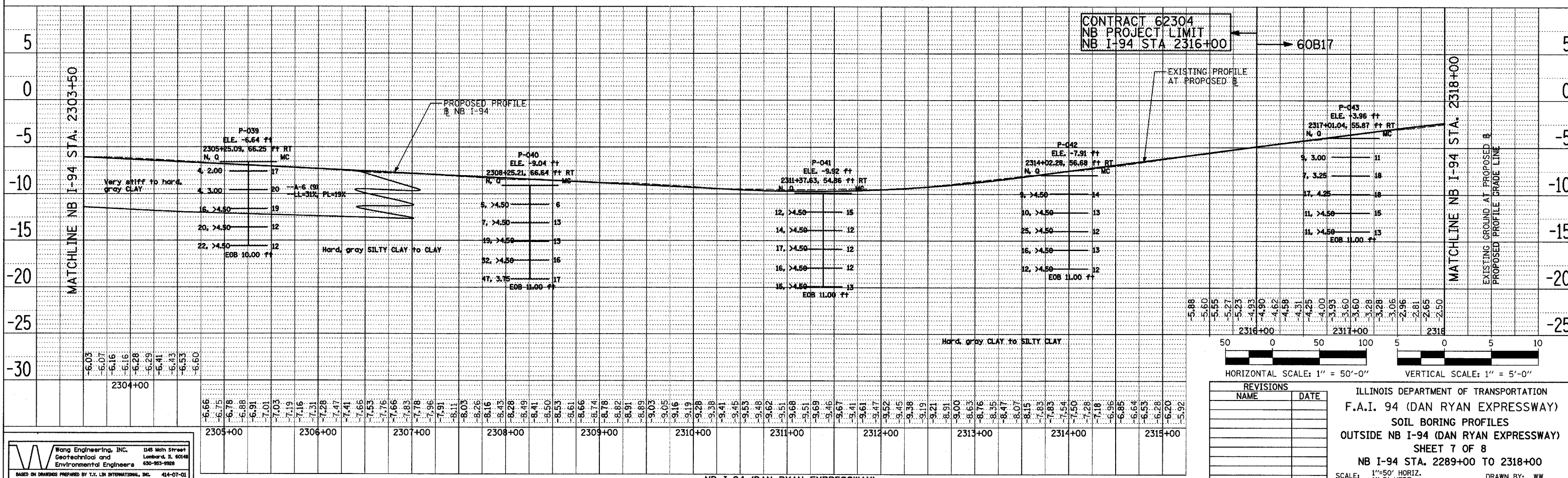
DATE	
BY	
CHECKED	
PLANNED	
NOTED	
NO.	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRID FILE NAME	
	CADD FILE NAME	
	NO.	



NB I-94 (DAN RYAN EXPRESSWAY)

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRID FILE NAME	
	CADD FILE NAME	
	NO.	



NB I-94 (DAN RYAN EXPRESSWAY)

HORIZONTAL SCALE: 1" = 50'-0"
 VERTICAL SCALE: 1" = 5'-0"

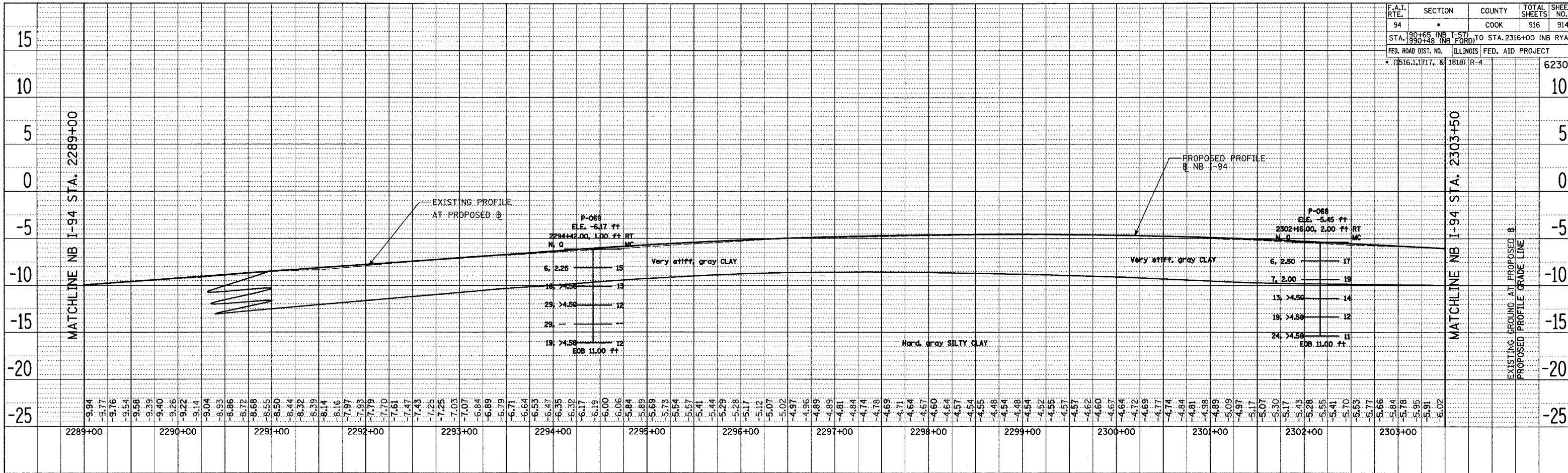
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 7 OF 8
 NB I-94 STA. 2289+00 TO 2318+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

W Wang Engineering, Inc.
 1548 Mich Street
 Lombard, IL 60148
 Geotechnical and
 Environmental Engineers
 630-953-9928
 414-07-01

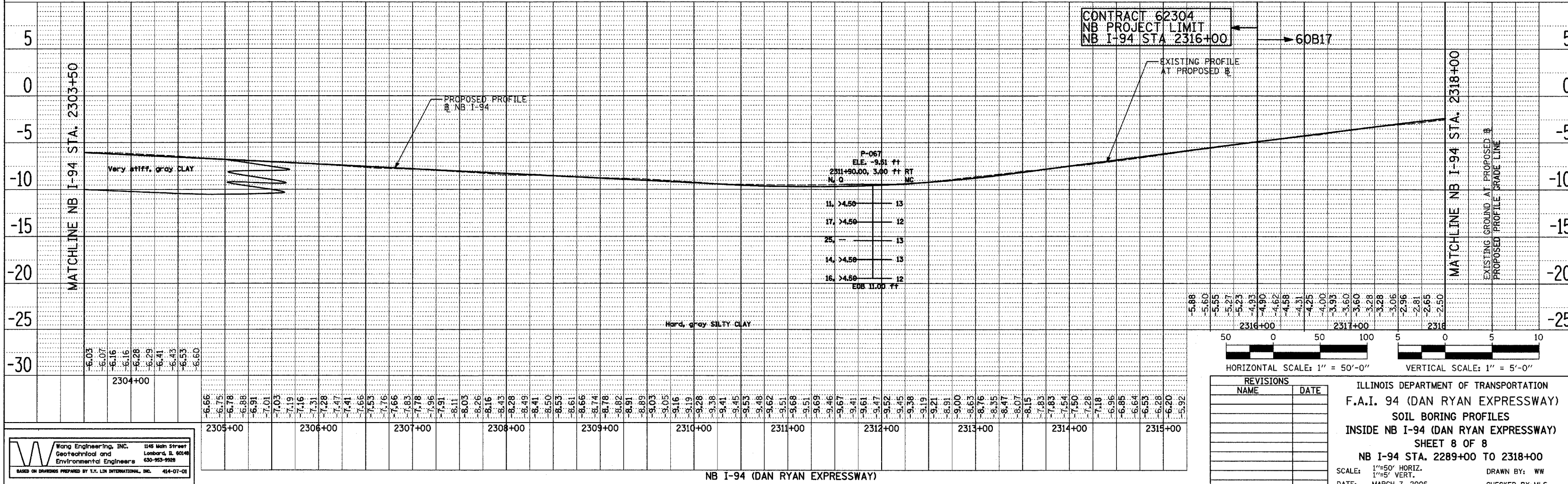
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	916	914
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)				
STA. 1990+48 (NB FORD)				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717, & 1818)	R-4		62304	

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	CADD FILE NAME	



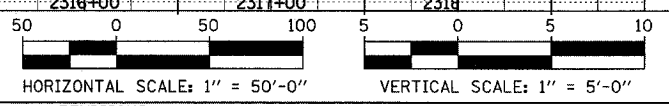
NB I-94 (DAN RYAN EXPRESSWAY)

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	
NO.	CHECKED	
	CADD FILE NAME	



NB I-94 (DAN RYAN EXPRESSWAY)

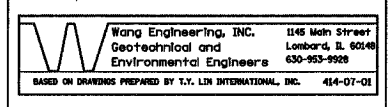
CONTRACT 62304
NB PROJECT LIMIT
NB I-94 STA. 2316+00



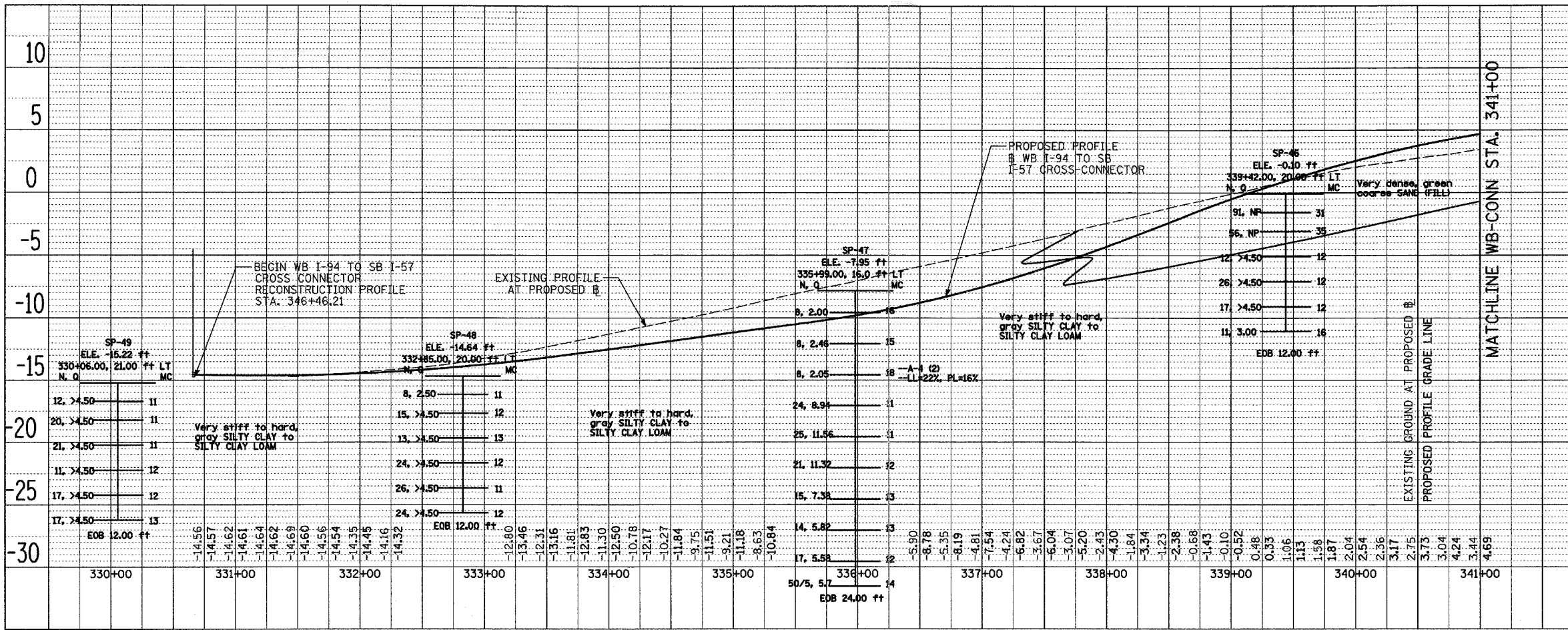
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORING PROFILES
INSIDE NB I-94 (DAN RYAN EXPRESSWAY)
SHEET 8 OF 8
NB I-94 STA. 2289+00 TO 2318+00

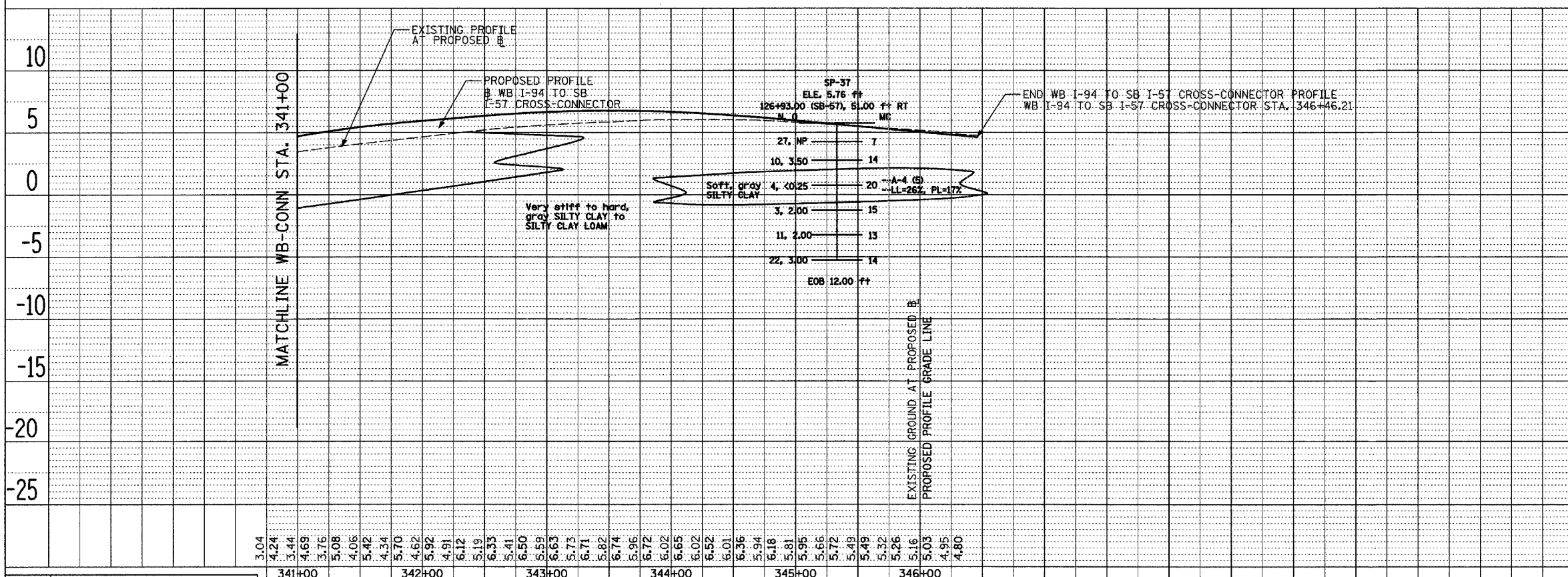
SCALE: 1"=50' HORIZ. 1"=5' VERT.
DATE: MARCH 7, 2006
DRAWN BY: WW
CHECKED BY: MLS



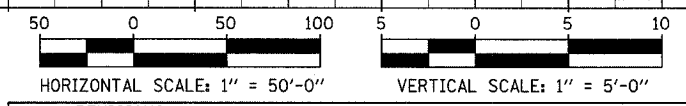
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	916	916
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (516.1, 1717, & 1818) R-4				
				62304



WB I-94 TO SB I-57 (WB) CROSS-CONNECTOR



WB I-94 TO SB I-57 (WB) CROSS-CONNECTOR



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 WB CROSS-CONNECTOR (WB I-94 TO SB I-57)
 SHEET 1 OF 1 - STA. 330+65.46 TO 346+46.21

SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
CADD FILE NAME	
NO.	

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
ALIGNED	
CADD FILE NAME	
NO.	