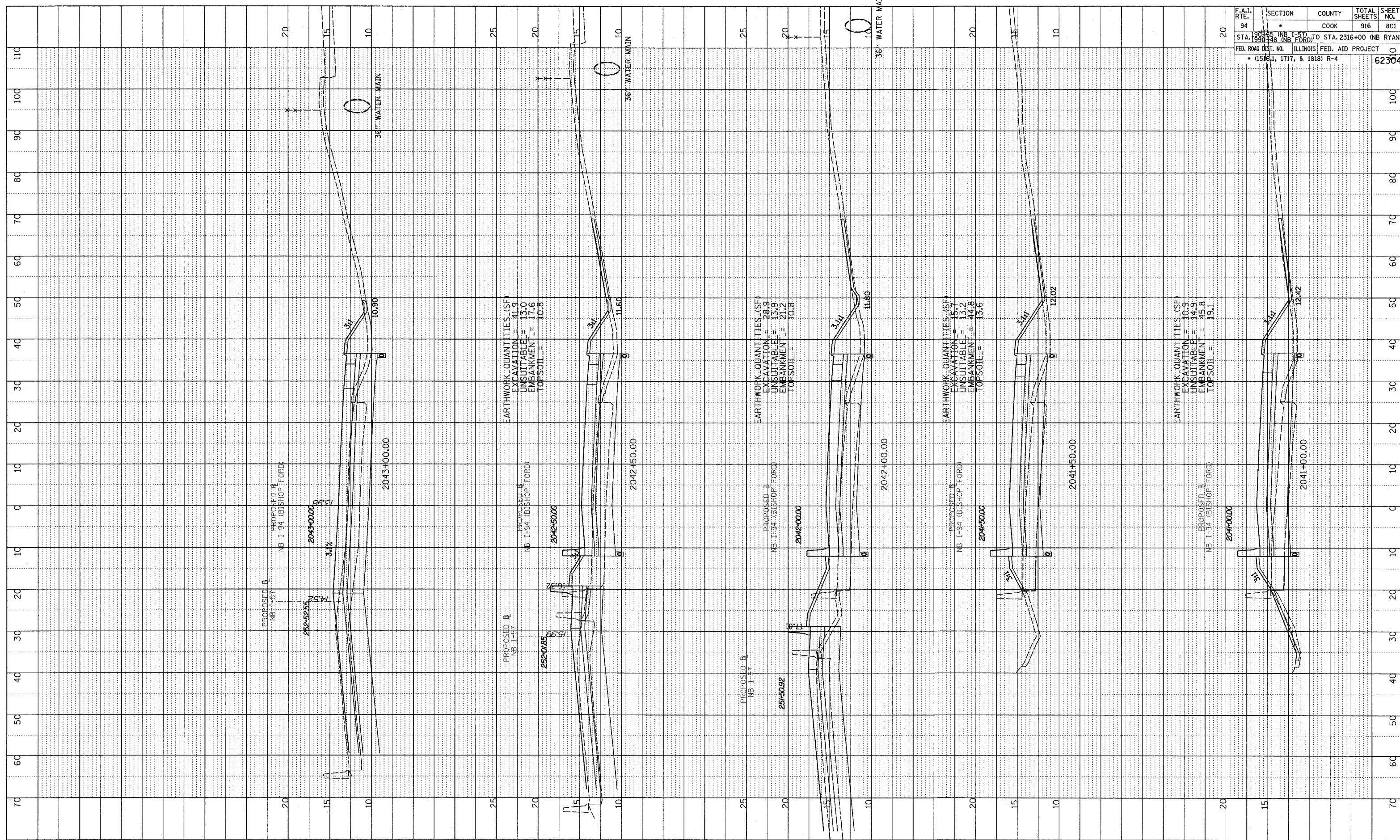


PROFILE SURVEYED
 NOTE BOOK
 NO.

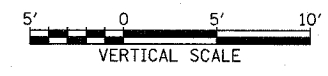
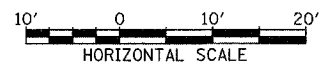
BY
 DATE

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
STA. 190+45 (NB I-57) TO STA. 2316+00 (NB RYAN) STA. 190+49 (NB FORD)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT • (1516, 1, 1717, & 1818) R-4				
				62304

TYLIN INTERNATIONAL

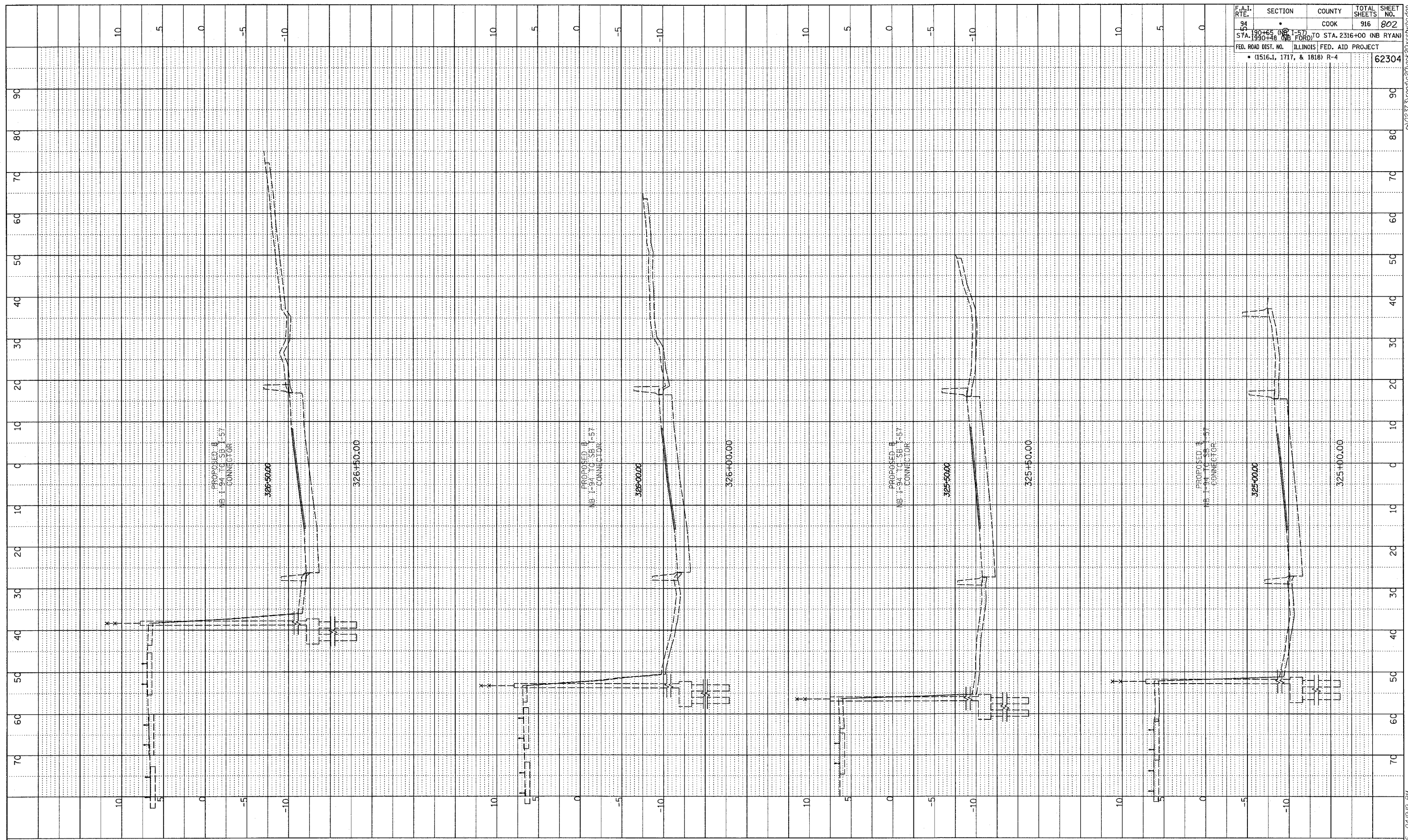


NORTHBOUND I-94 (BISHOP FORD EXPWY)
 STA. 2041+00 TO STA. 2043+00

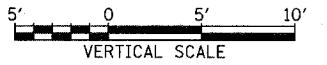
03/03/2006 04:08 PM

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

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

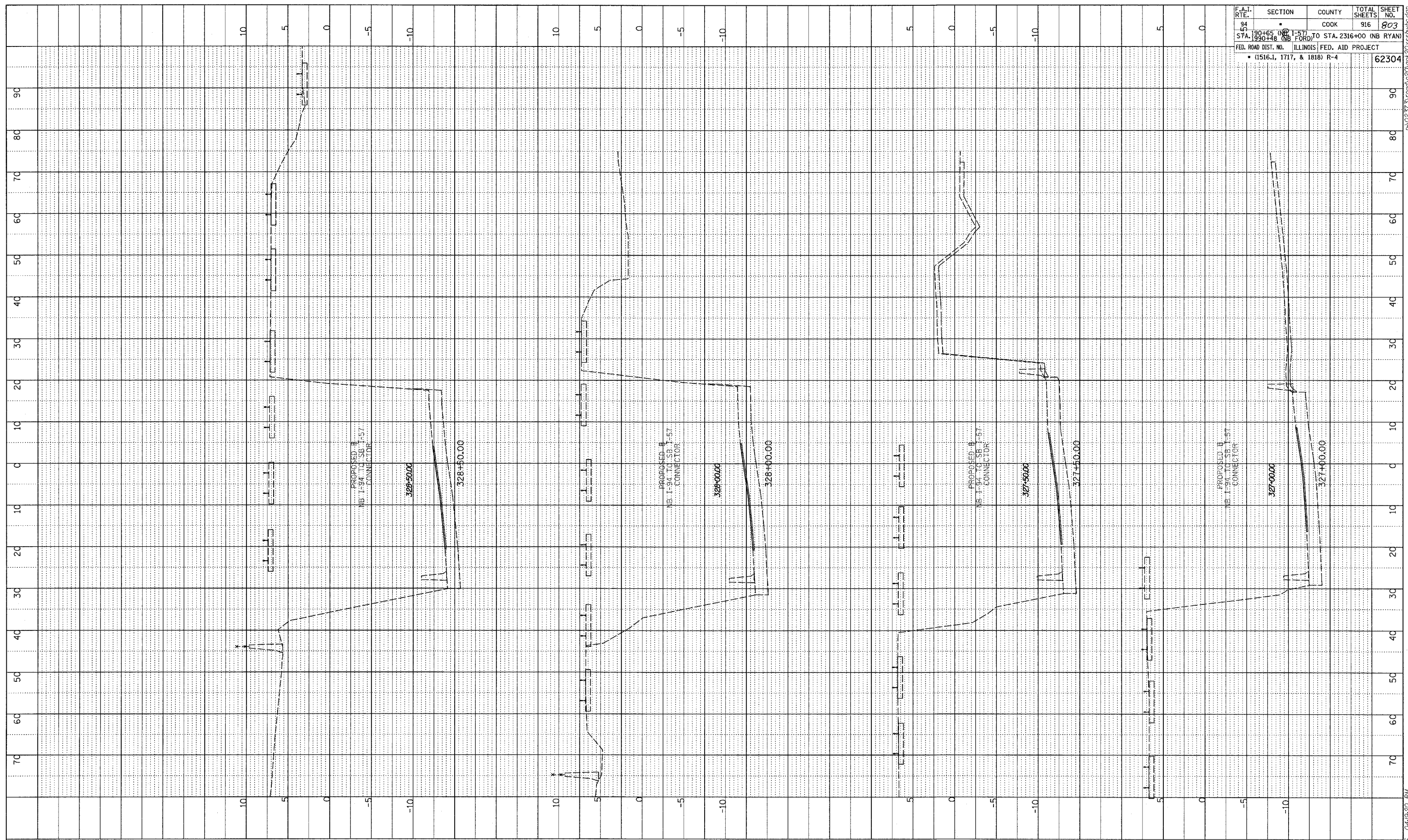


WB I-94 TO I-57 CONNECTOR
STA. 325+00 TO STA. 326+50

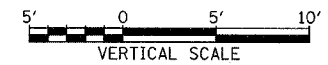
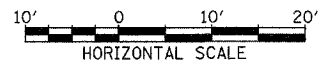
03/03/2006 04:19:19 PM

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	1	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

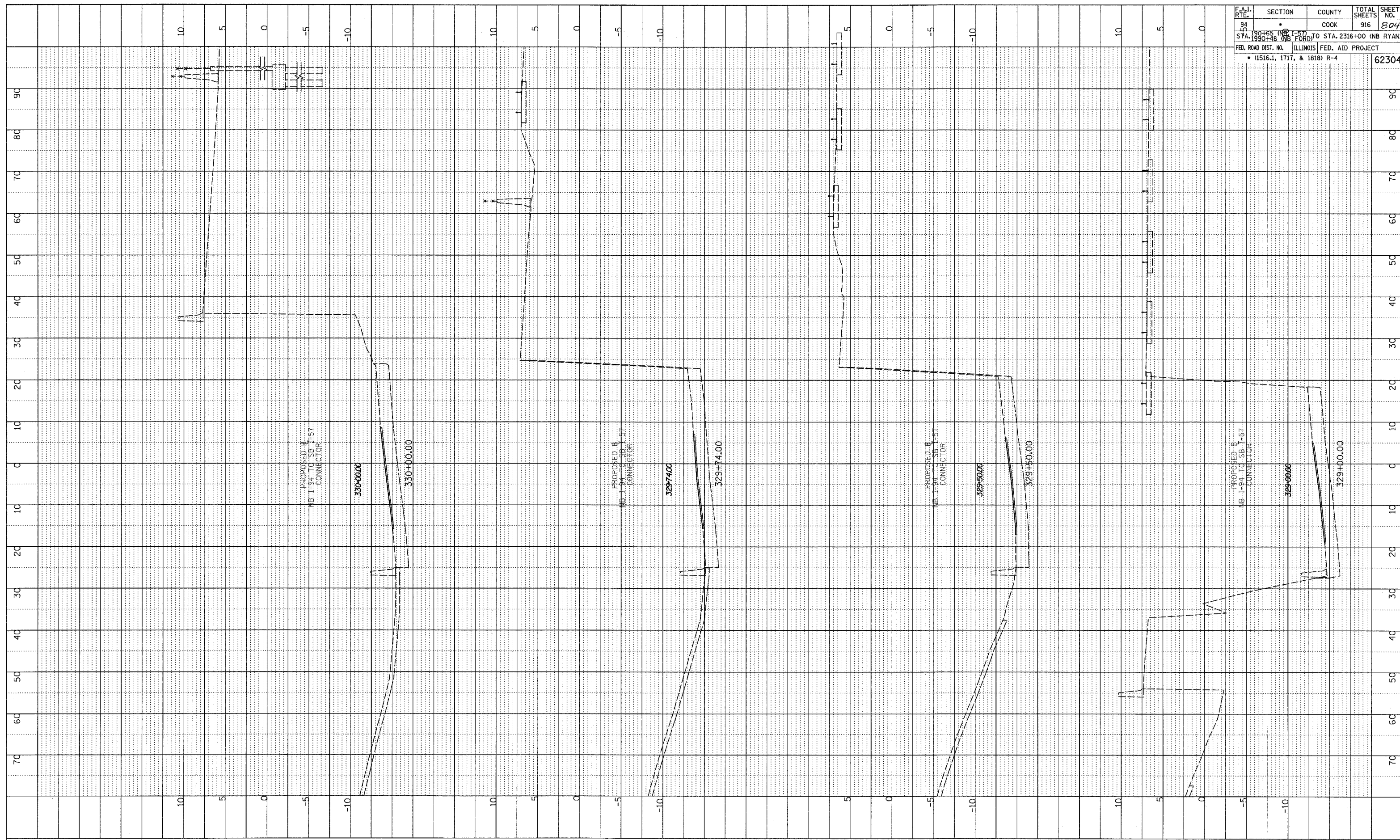


WB I-94 TO I-57 CONNECTOR
STA. 327+00 TO STA. 328+50

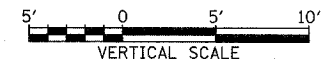
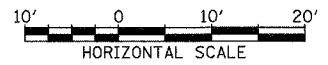
03/03/2006 04:09:00 PM

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	DATE NOTED	
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	
	BY	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
54		COOK	916	804
STA. 1990+00 (NB FORD) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• (1516.1, 1717, & 1818) R-4				
				62304



TYLIN INTERNATIONAL

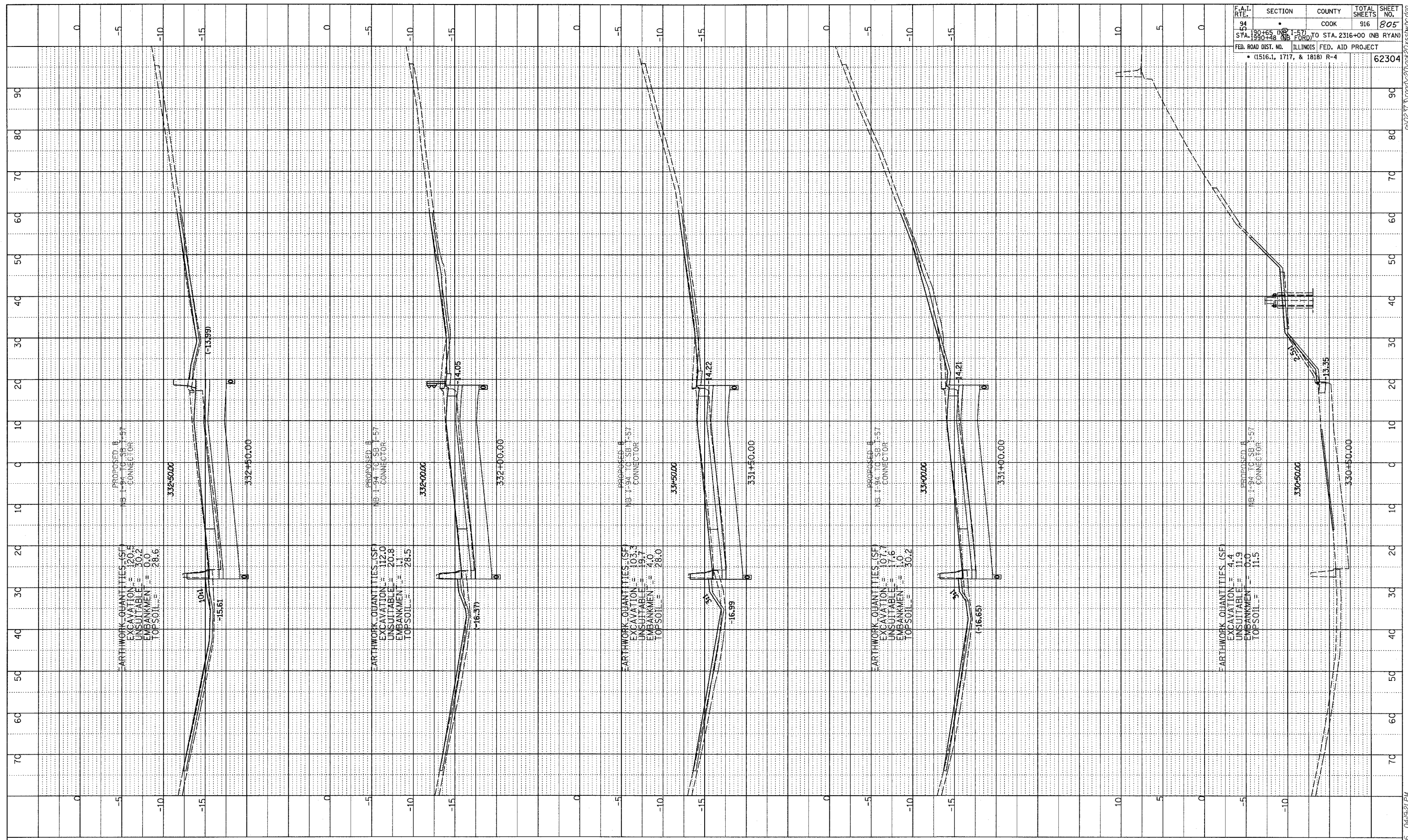


WB I-94 TO I-57 CONNECTOR
STA. 329+00 TO STA. 330+00

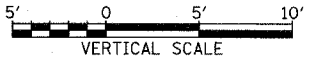
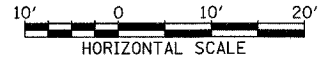
03/03/2006 04:49:20 PM

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

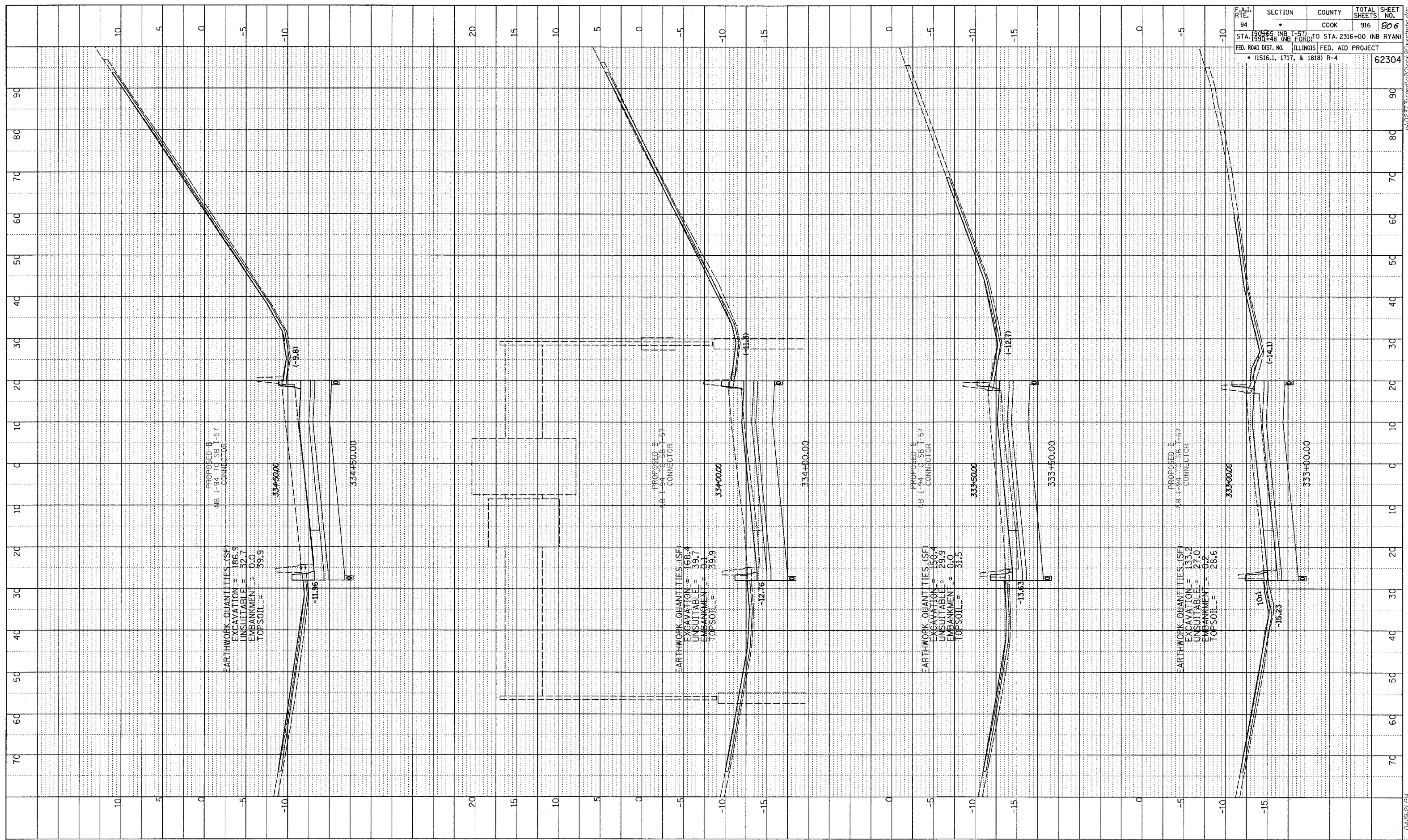


WB I-94 TO I-57 CONNECTOR
STA. 330+50 TO STA. 332+50

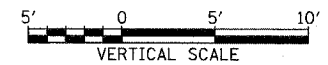
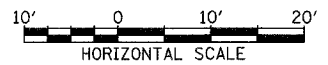
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DATE	BY
PROFILE SURVEYED	
GRADES CHECKED	
NOTE BOOK	
NO.	
PLING DATE	NOTATION CHRD

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

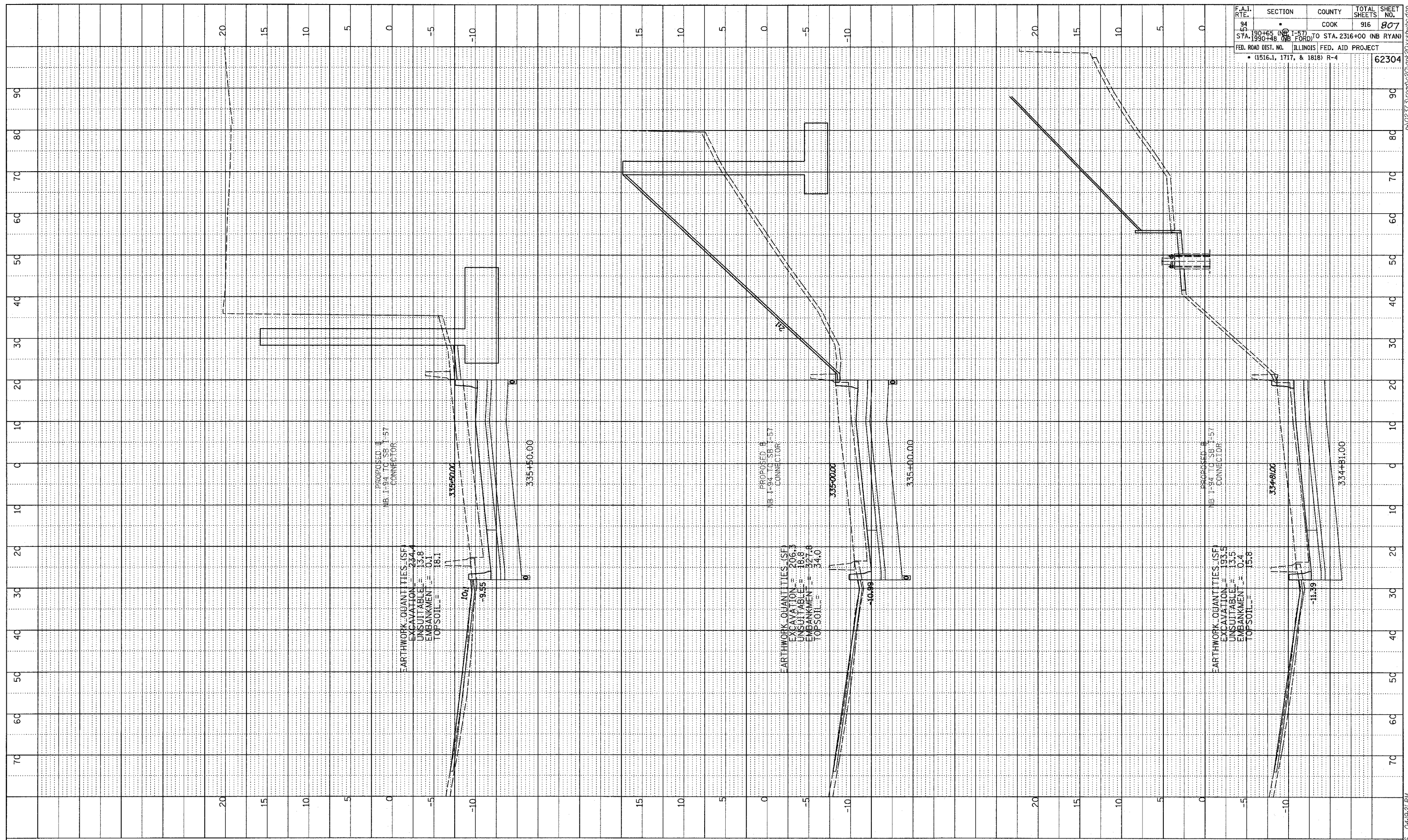


WB I-94 TO I-57 CONNECTOR
STA. 333+00 TO STA. 334+50

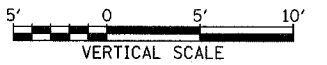
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PROFILE SURVEYED _____ DATE _____
 NOTE BOOK GRADES CHECKED _____
 NO. E.M. NOTED _____
 P. DATE NOTATIONS (P/W) _____

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

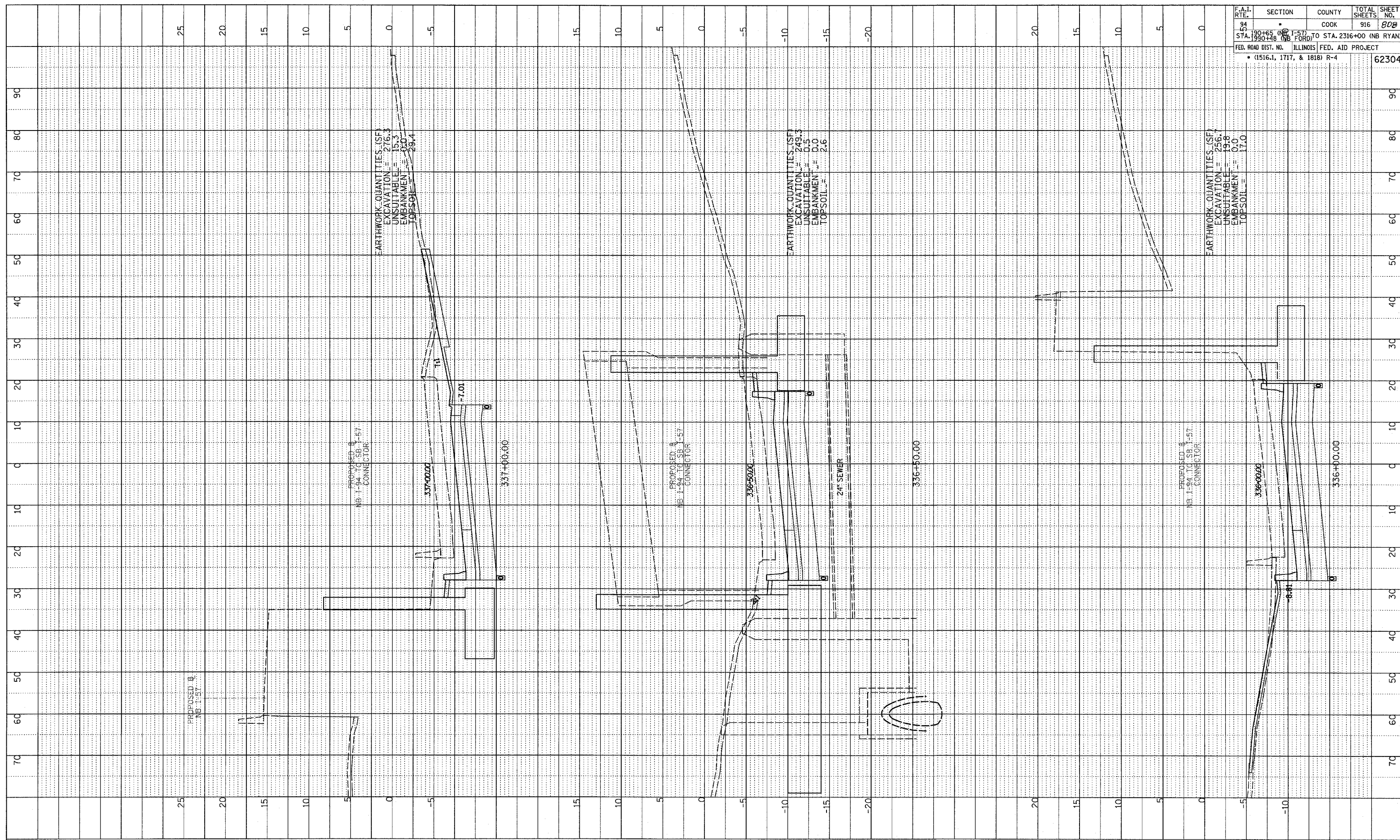


WB I-94 TO I-57 CONNECTOR
STA. 334+81 TO STA. 335+50

03/03/2006 04:19:21 PM

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

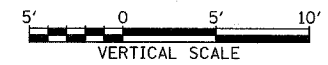
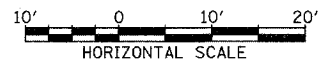
BY
 DATE



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
54	190+48 (NB I-57) TO STA. 2316+00 (NB RYAN)	ILLINOIS	FED. AID PROJECT	
				62304

FED. ROAD DIST. NO. 1516.1, 1717, & 1818 R-4

TYLIN INTERNATIONAL

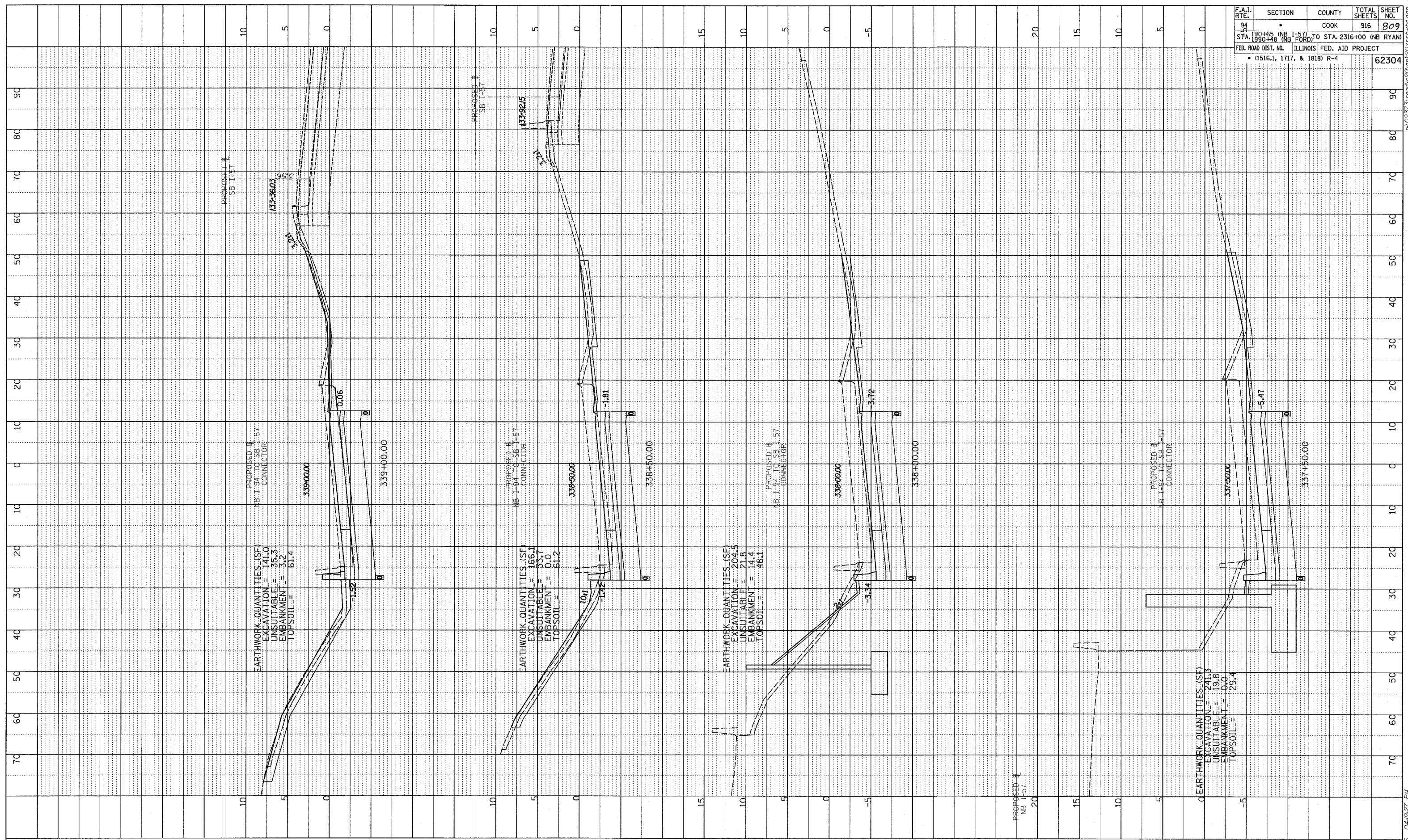


WB I-94 TO I-57 CONNECTOR
 STA. 336+00 TO STA. 337+00

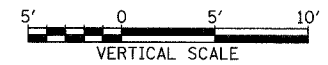
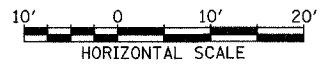
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PROFILE SURVEYED BY: _____ DATE: _____
 GRADES CHECKED BY: _____
 NOTE BOOK NO. _____
 PLOT DATE: _____
 DRAWING NO. _____

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

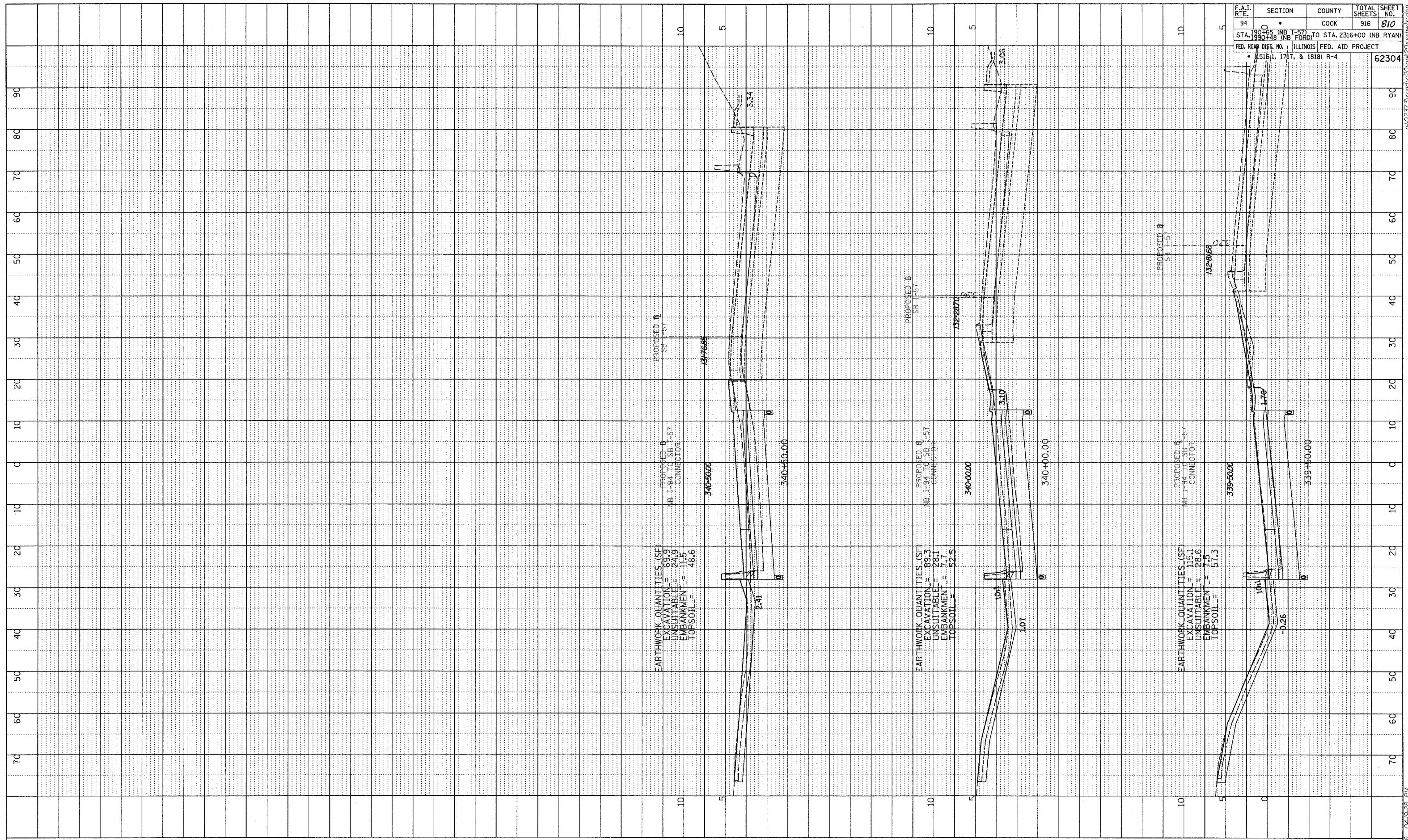


WB I-94 TO I-57 CONNECTOR
STA. 337+50 TO STA. 339+00

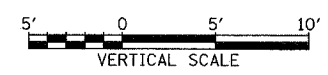
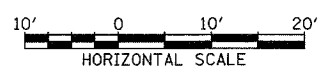
03/03/2006 04:49:27 PM

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

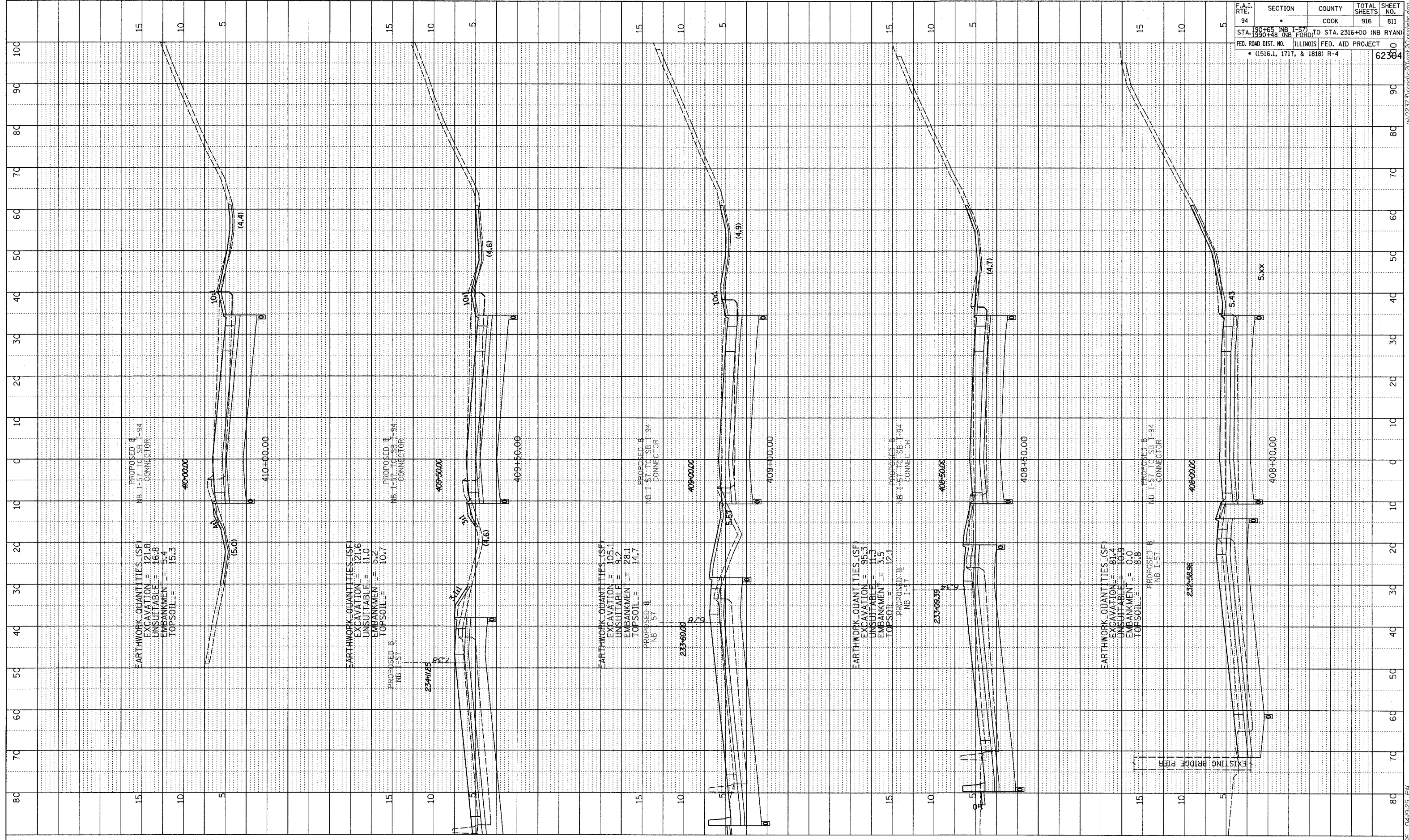


WB I-94 TO I-57 CONNECTOR
STA. 339+50 TO STA. 340+50

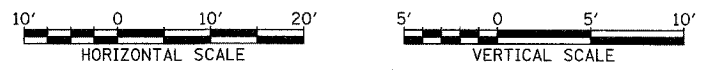
03/03/2006 04:02:28 PM

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

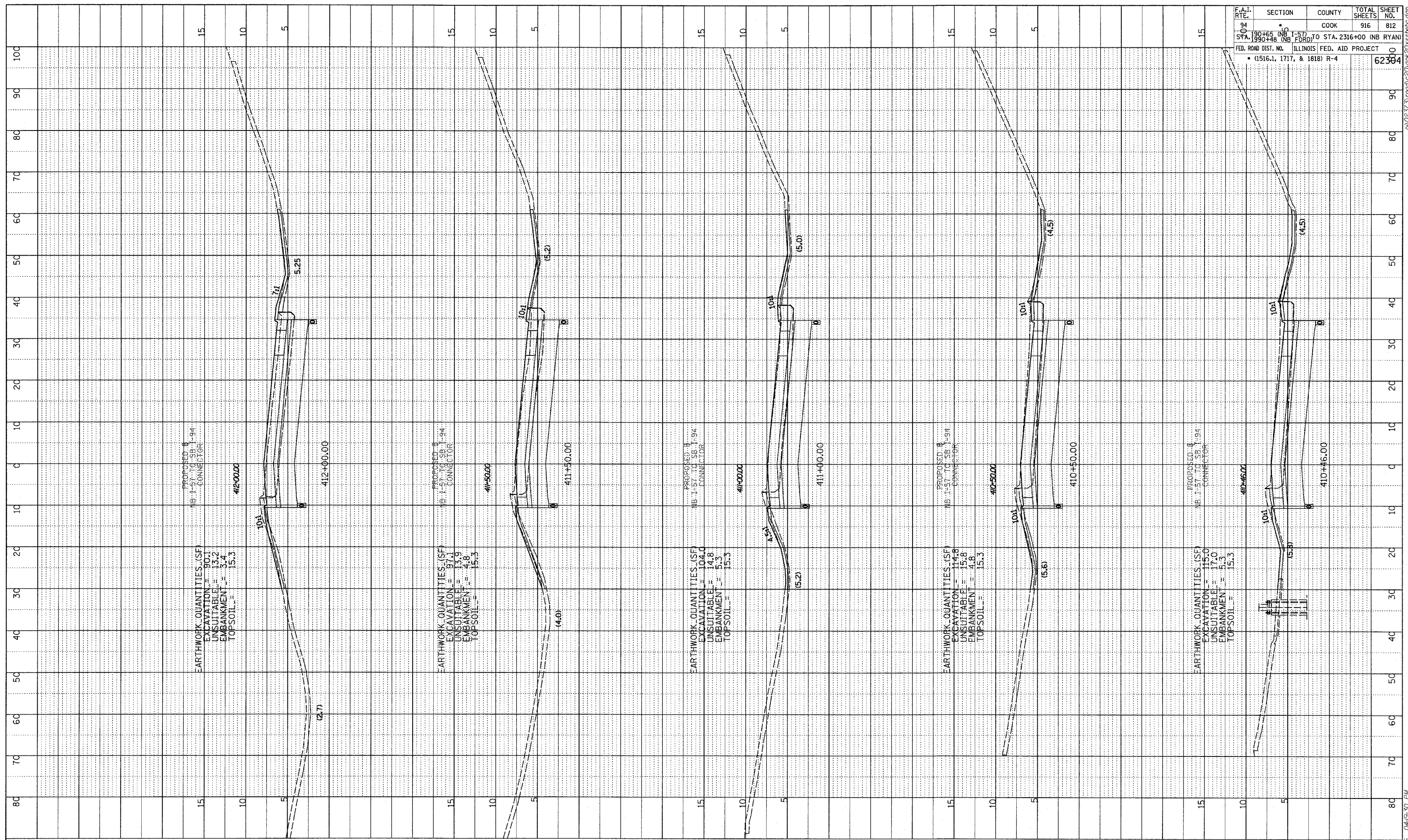


EB I-57 TO I-94 CONNECTOR
 STA. 408+00 TO STA. 410+00

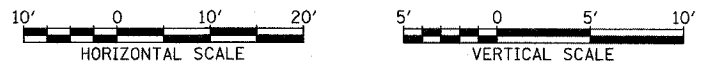
03/03/2006 04:09:29 PM

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		62394		



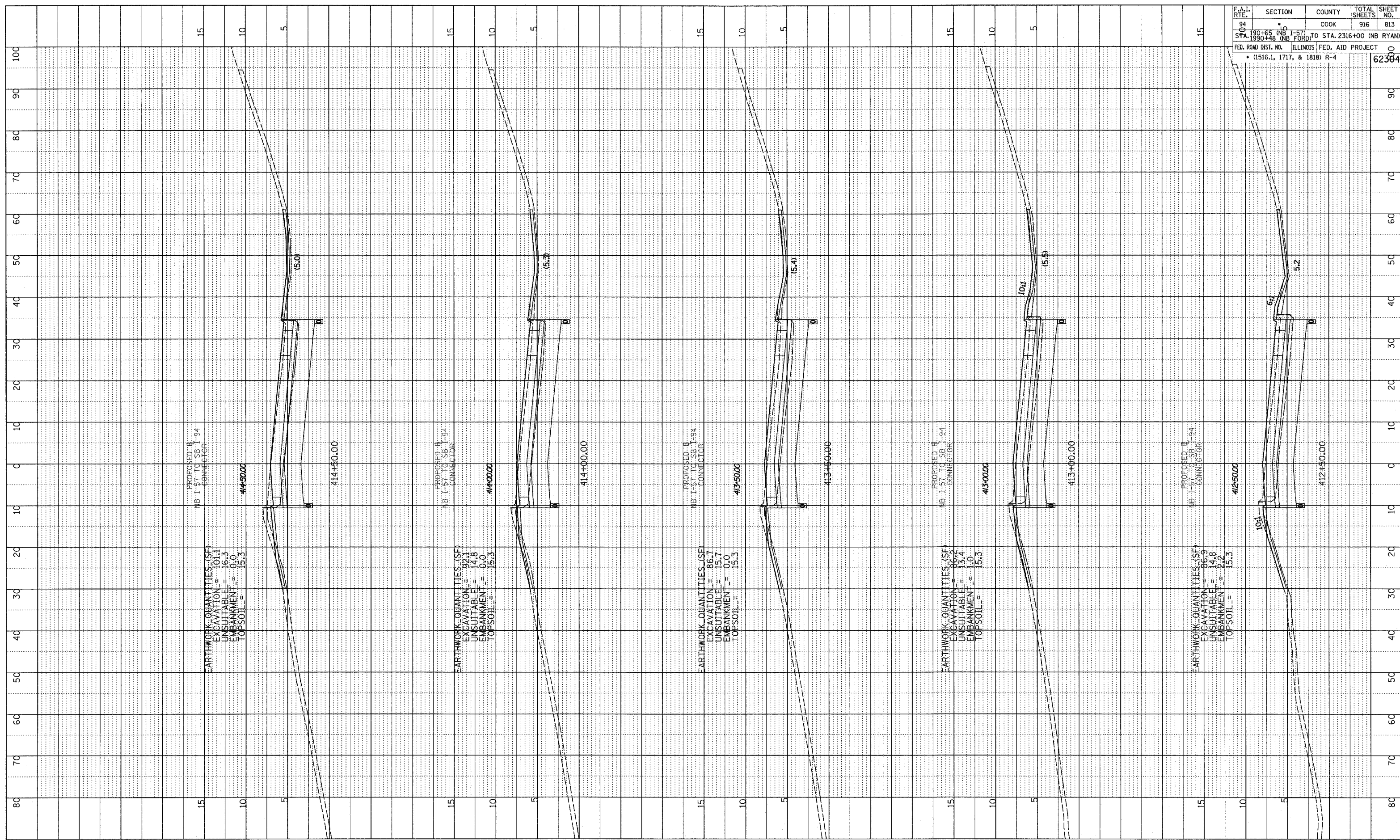
TYLIN INTERNATIONAL



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				

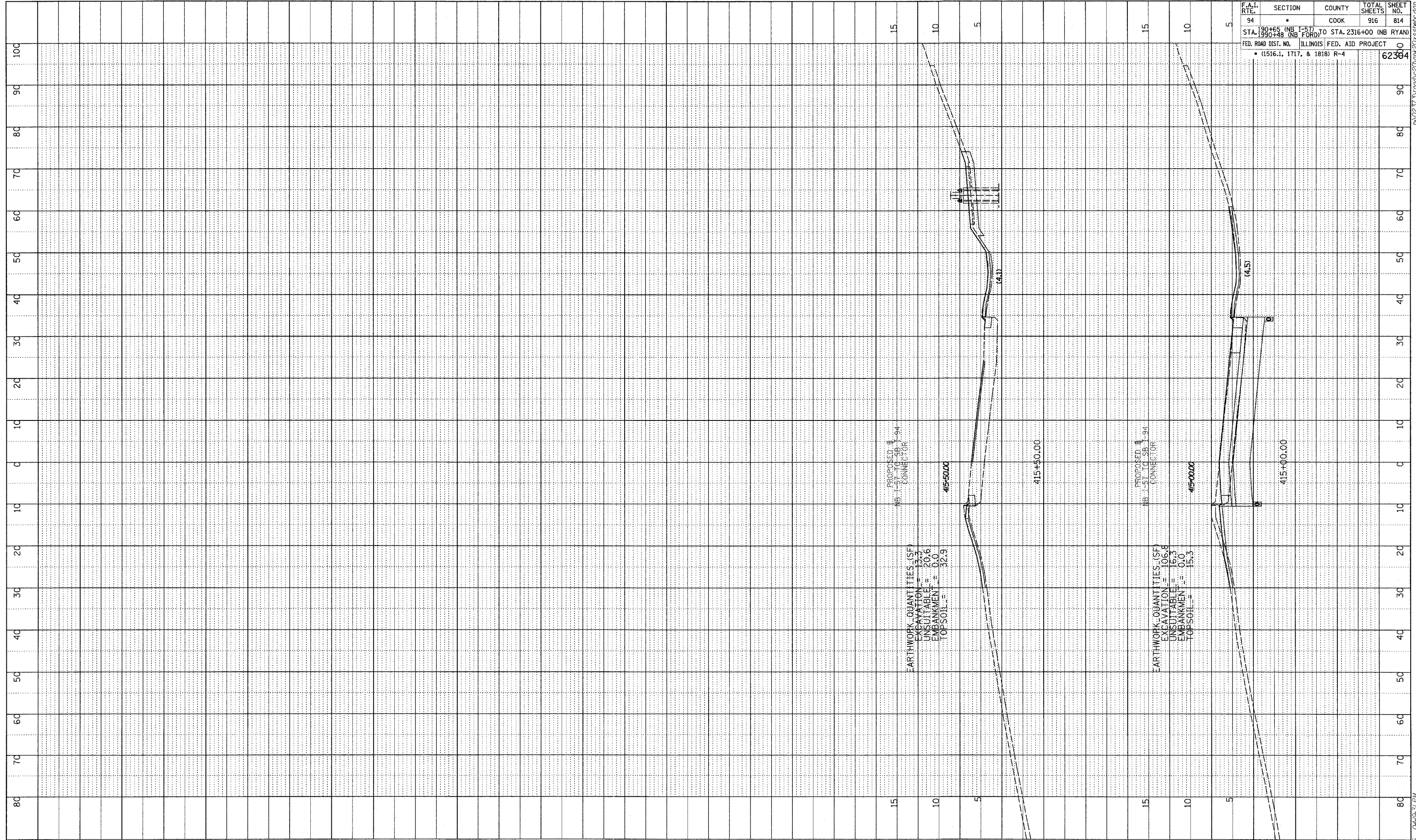
TYLIN INTERNATIONAL



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

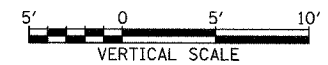
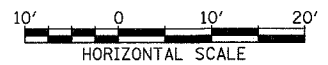
03/03/2006 04:49:30 PM

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)				
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. 415+00 TO STA. 415+50

03/03/2006 04:49:31 PM

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-001
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 9.20 ft
 North: 1840471.54 ft
 East: 1177966.20 ft
 Station: 2036+71.28
 Offset: 34.78' 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-002
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 13.01 ft
 North: 1840767.19 ft
 East: 1177915.45 ft
 Station: 2039+75.90
 Offset: 22.44' 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 (%)
8.4	10-inch thick CONCRETE --PAVEMENT--														
8.2	2-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray CLAY	4.50	P	1	4 4 4	4.50	16								
	Medium stiff to stiff, gray CLAY	0.75	P	2	1 2 1 1	0.75	19								
		0.75	P	3	1 2 1	0.75	22								
		0.50	P	4	1 1 1 1	0.50	21								
		1.00	P	5	1 1 1 1	1.00	21								
-1.8	Boring terminated at 11.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
12.3	8-inch thick CONCRETE --PAVEMENT--														
12.0	4-inch thick CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray CLAY	4.50	P	1	8 7 3 3	4.50	21								
		3.75	P	2	5 2 3 2	3.75	16								
	Soft to stiff, gray CLAY	1.50	P	3	1 2 2 2	1.50	24								
		1.75	P	4	1 2 1 2	1.75	22								
		0.25	P	5	1 1 1 2	0.25	22								
-2.0	Boring terminated at 11.00 ft														

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

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

TYLIN INTERNATIONAL

BORING LOG P-003 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

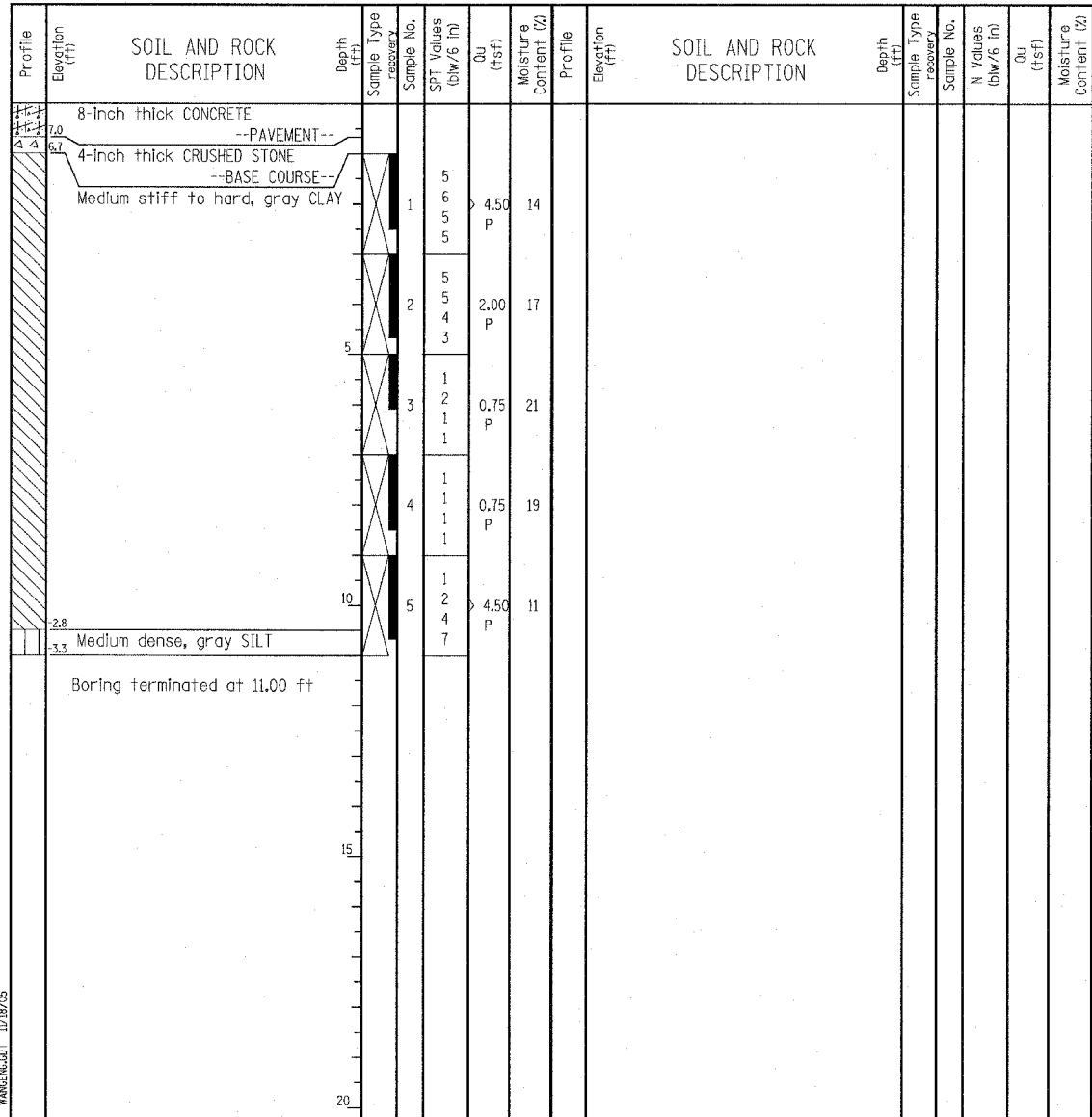
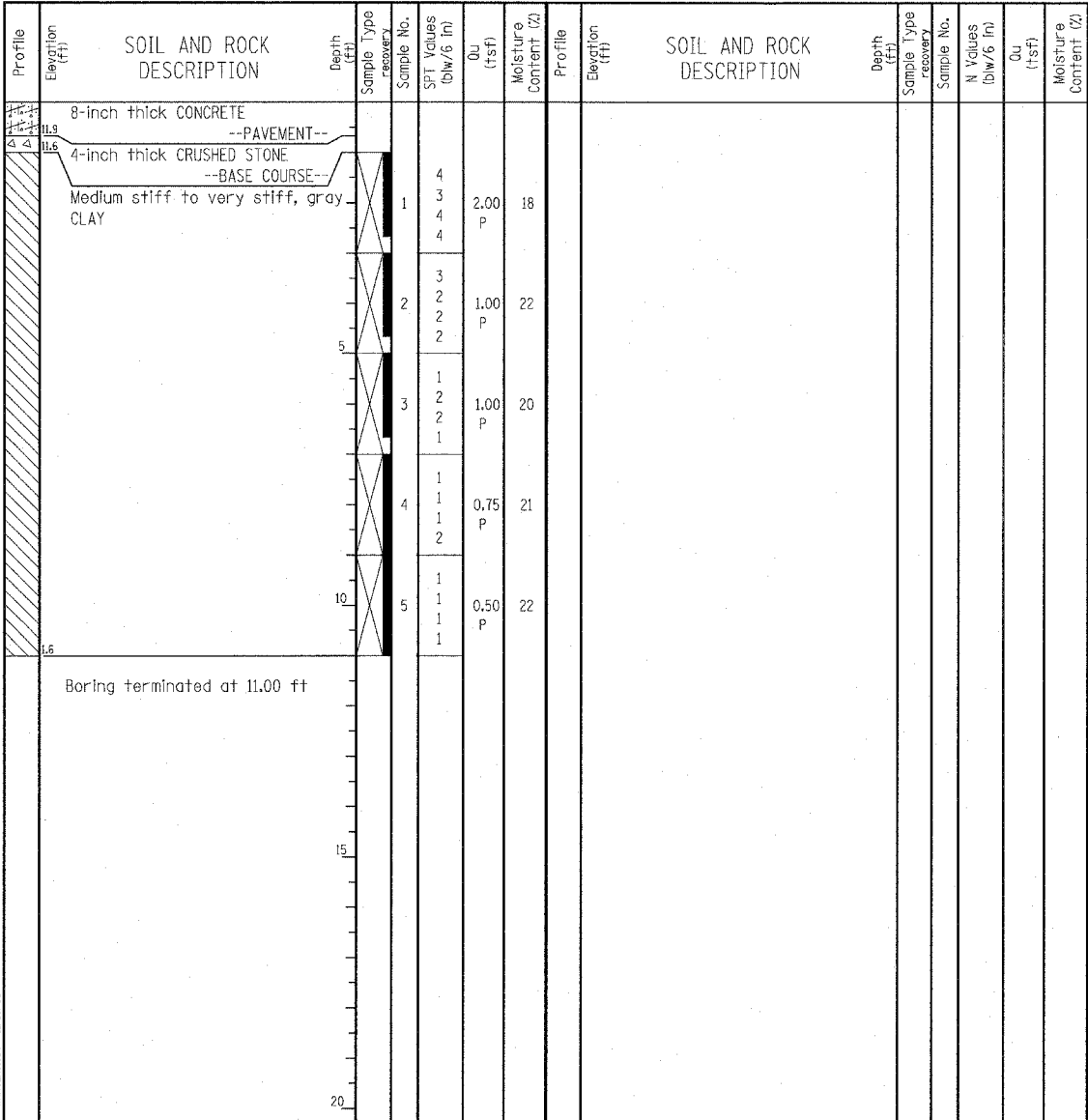
Datum: CCD
 Elevation: 12.58 ft
 North: 1841066.51 ft
 East: 1177903.99 ft
 Station: 2042+75.89
 Offset: 19.93' RT

BORING LOG P-004 Page 1 of 1

Wang Engineering, Inc.
 Consulting Geotechnical and Environmental Engineers
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 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: 7.70 ft
 North: 1841366.14 ft
 East: 1177895.85 ft
 Station: 2045+75.63
 Offset: 20.37' 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	
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.

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-003 & P-004

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

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BORING LOG P-005 Page 1 of 1

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

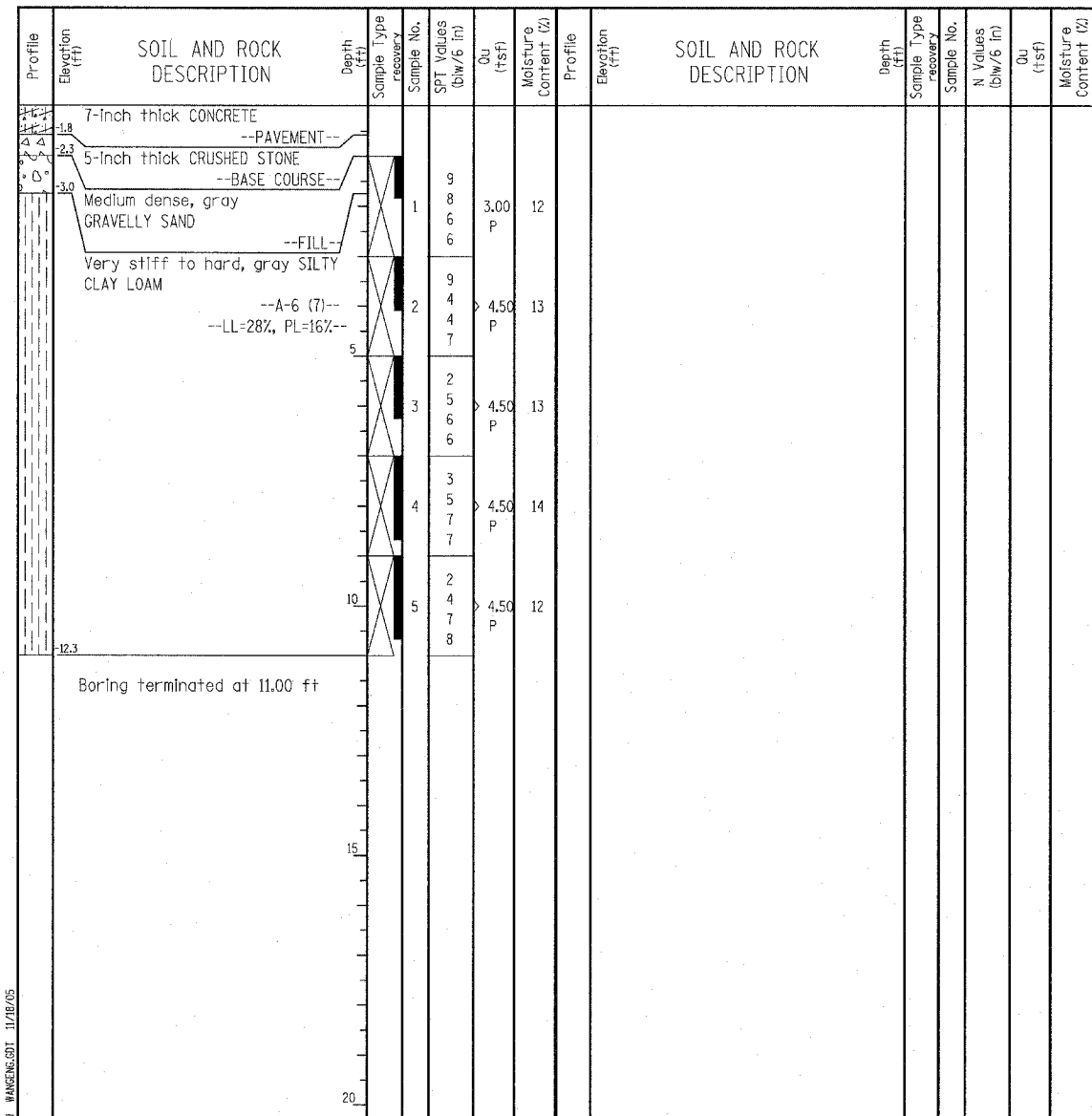
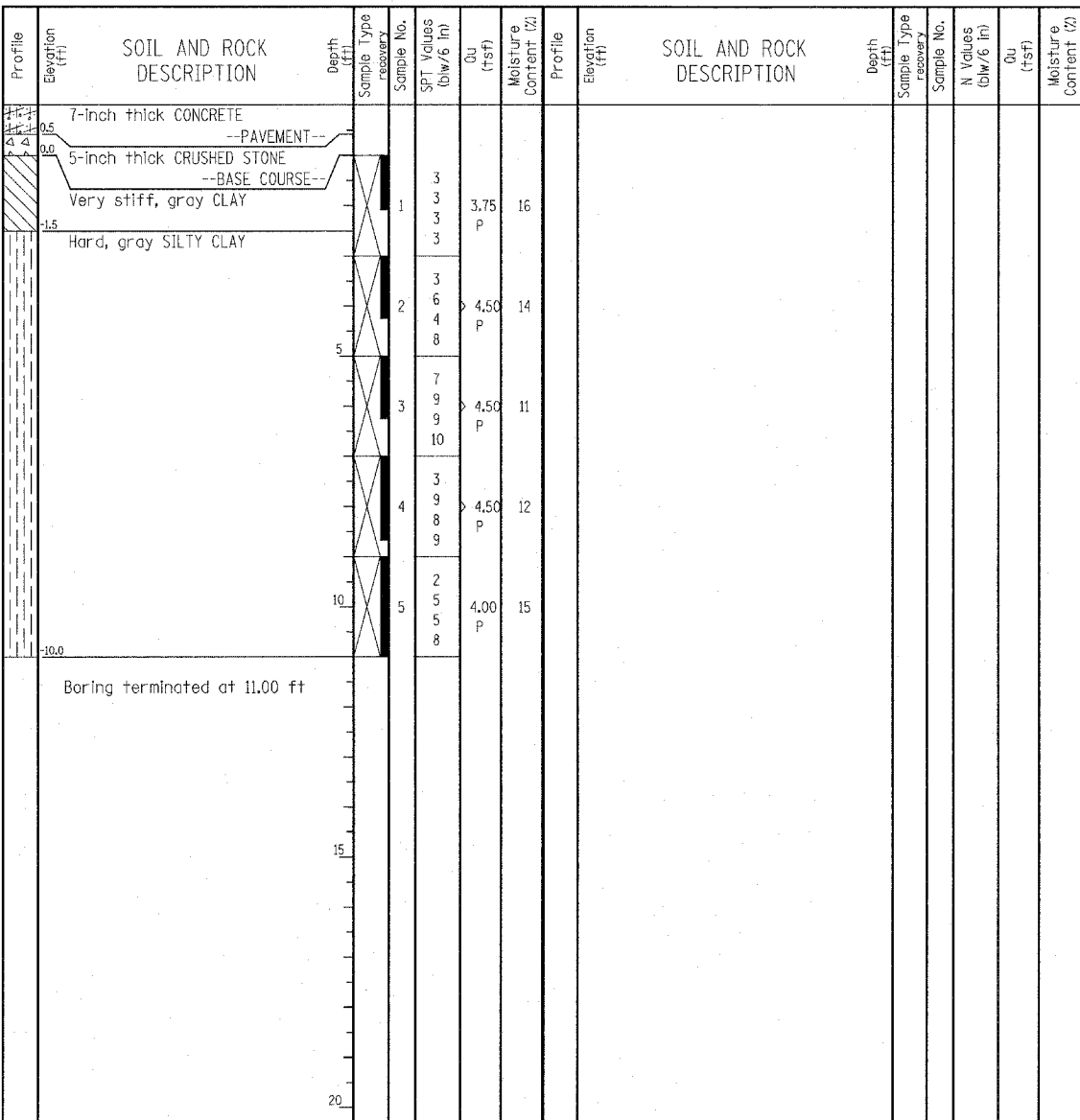
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BORING LOG P-008 Page 1 of 1

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	916	818

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



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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



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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 (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
4.4	7-inch thick CONCRETE --PAVEMENT--	0.3													
4.4	5-inch thick CRUSHED STONE --BASE COURSE--	0.8													
0	Medium dense, gray GRAVELLY SAND --FILL--	1.5		1	10	1.50	19								
-2.5	Stiff, gray CLAY with gravel	1.5		9											
	Loose, brown and gray SANDY LOAM	2.5		6											
				5											
				4											
	Medium dense, gray SILT	5.0		3	5		16								
				7											
				9											
				8											
	Medium dense, gray, coarse SAND	7.5		4	5		18								
				6											
				8											
				10											
	Hard, gray SILTY CLAY	9.0		5	1		11								
				4											
				9											
				10											
	Boring terminated at 11.00 ft	10.8													

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
4.4	2-inch thick, loose ASPHALT debris	0.3													
	Loose, brown and black, coarse SAND --FILL--	0.3		1	4	2.75	15								
	Very stiff, gray CLAY --FILL--			3											
				6											
	Brown, coarse SAND --FILL--	1.2		4											
				2											
	Hard, gray SILTY CLAY --FILL--	2.0		2											
				5											
				2											
				5											
				10											
				6											
				9											
				11											
				11											
				2											
				7											
				11											
				11											
				4											
				6											
				10											
				10											
	Boring terminated at 11.00 ft	9.0													

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
Drilling Method 3.25" ID HSA; Boring backfilled with bentonite upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	06-30-2003	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
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-009 & P-010

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

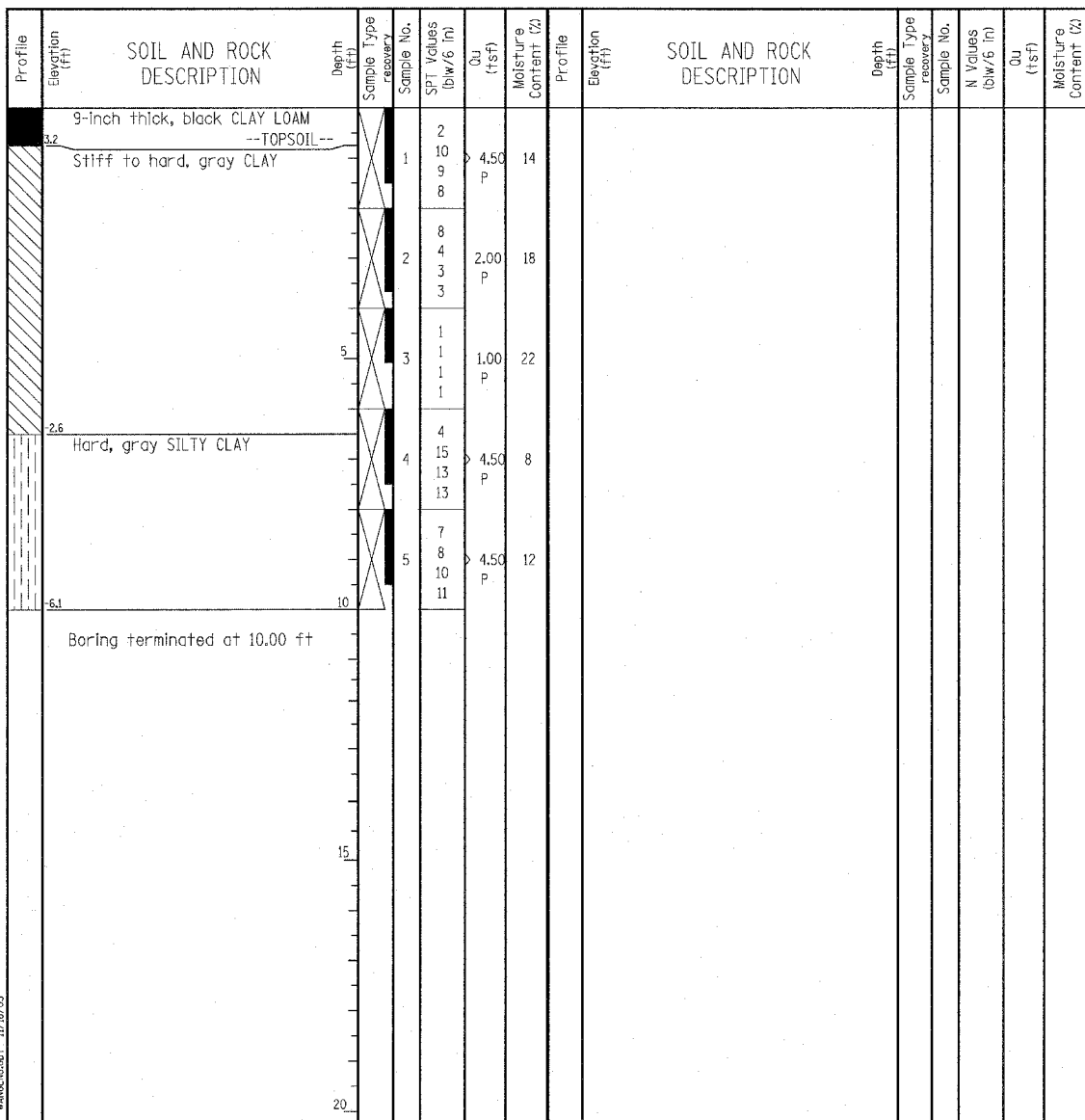
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BORING LOG P-011 Page 1 of 1

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	

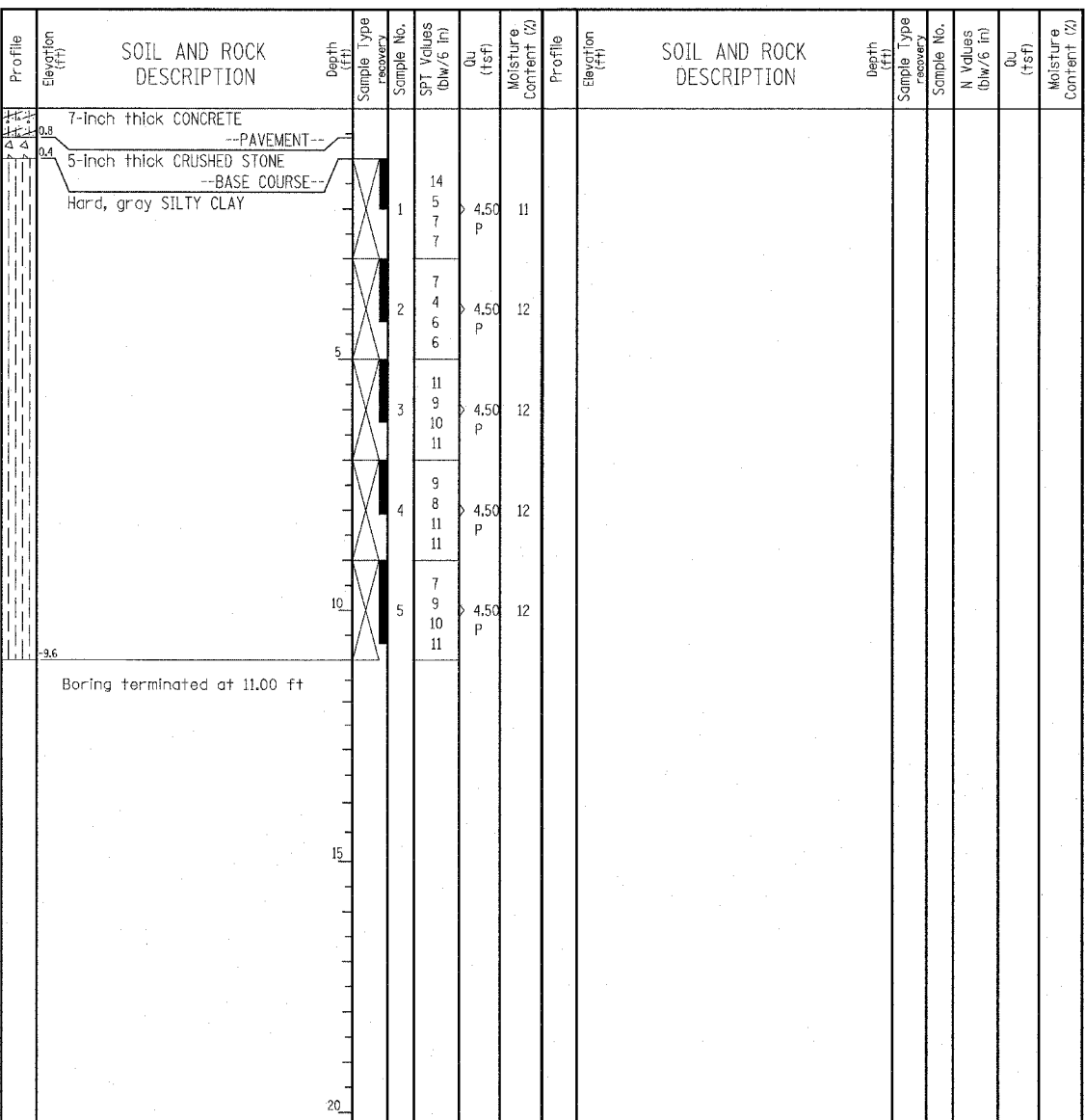
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BORING LOG P-012 Page 1 of 1

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	

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-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									
				14											
				4	9	4.50	11								
				12	14	P									
				14											
				5	15	4.50	14								
				10	11	P									
				11											
				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	
NAME	DATE

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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 (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
6.3	7-inch thick CONCRETE --PAVEMENT--														
6.1	5-inch thick CRUSHED STONE --BASE COURSE--														
7.5	Medium dense, brown, coarse SAND --FILL--	1		8	4.00	5									
	Hard, gray SILTY CLAY	5		6											
		7		7											
		9		9											
		10		10											
		12		12											
		14		14											
		15		15											
		16.7		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			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-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 (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
7.3	7-inch thick CONCRETE --PAVEMENT--														
7.1	5-inch thick CRUSHED STONE --BASE COURSE--														
	Hard, gray SILTY CLAY	1		1	4.50	12									
		5		5											
		7		7											
		9		9											
		10		10											
		12		12											
		14		14											
		15		15											
		17.7		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			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

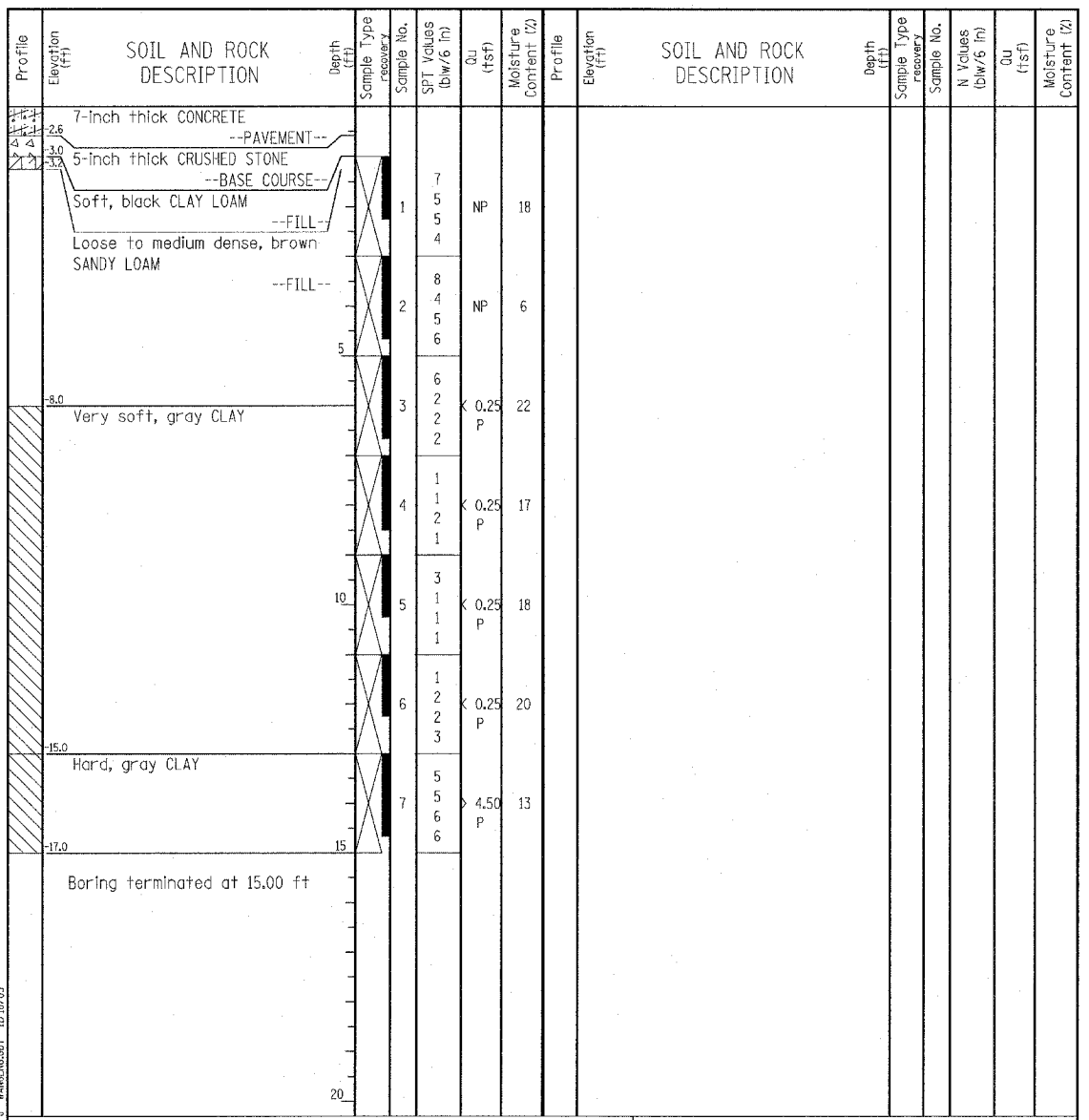
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-015 & P-016

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

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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



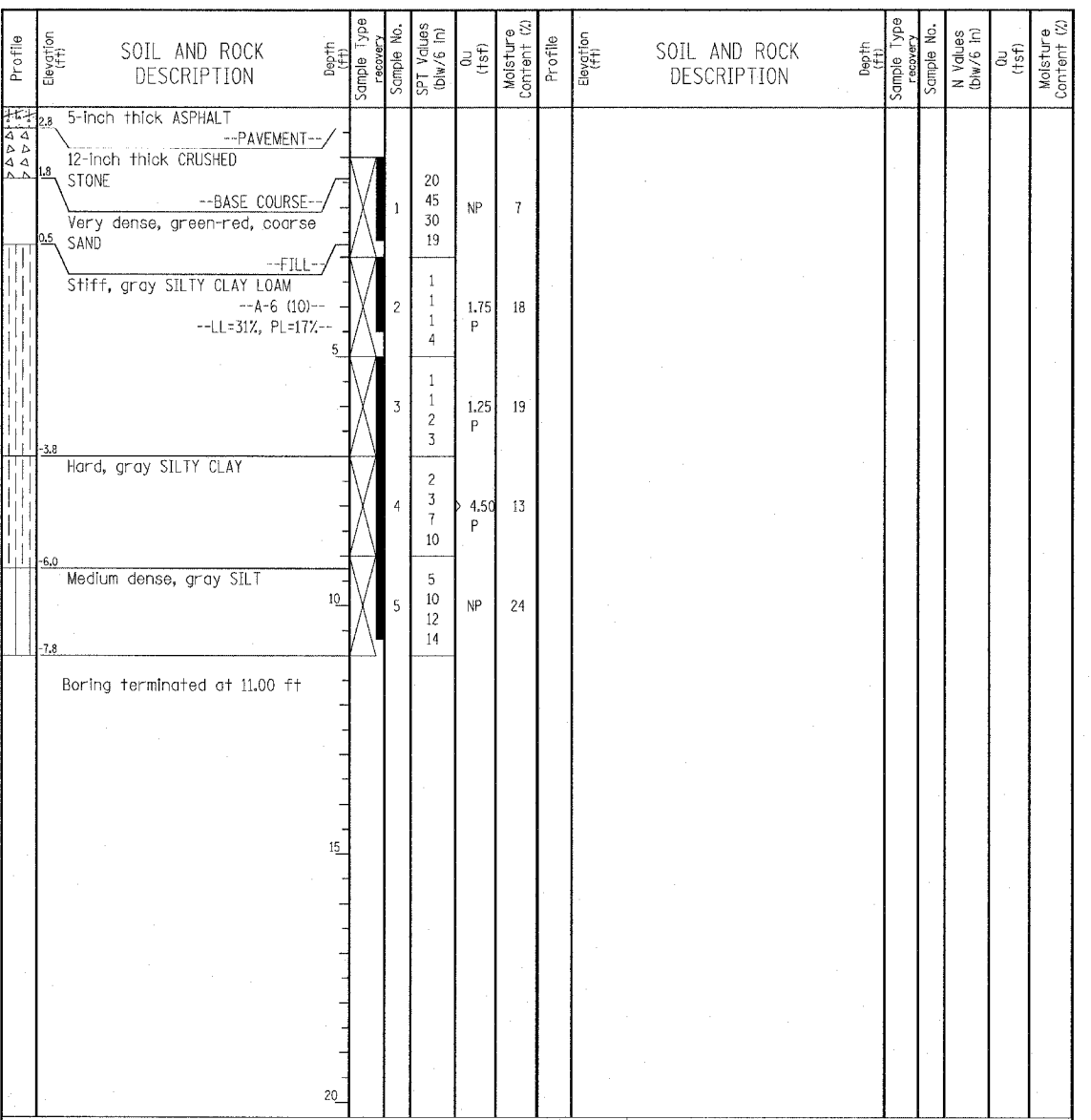
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-02-2003	Complete Drilling	07-02-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled 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-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		
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

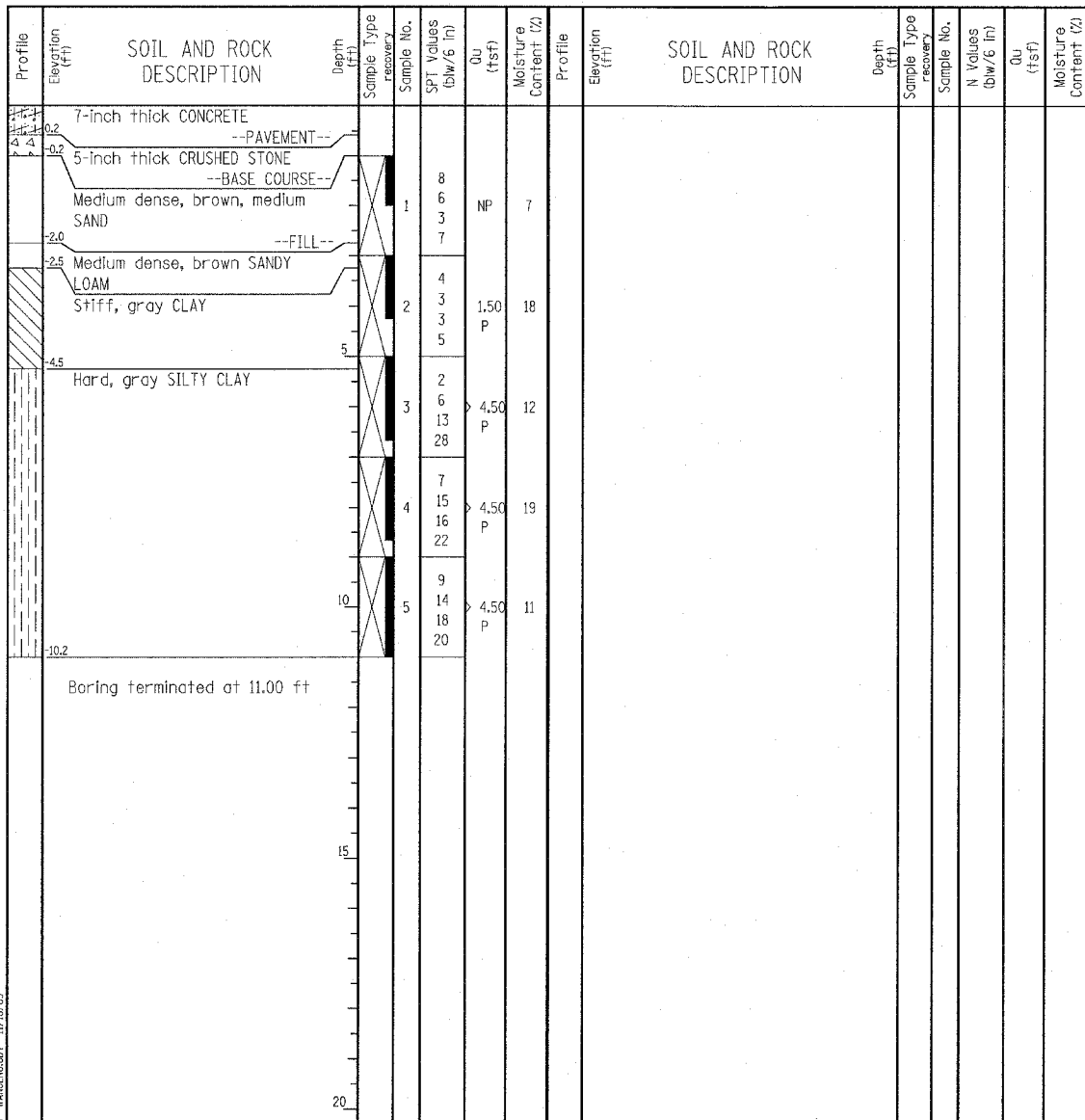
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS P-017 & P-018

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

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BORING LOG P-019
 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

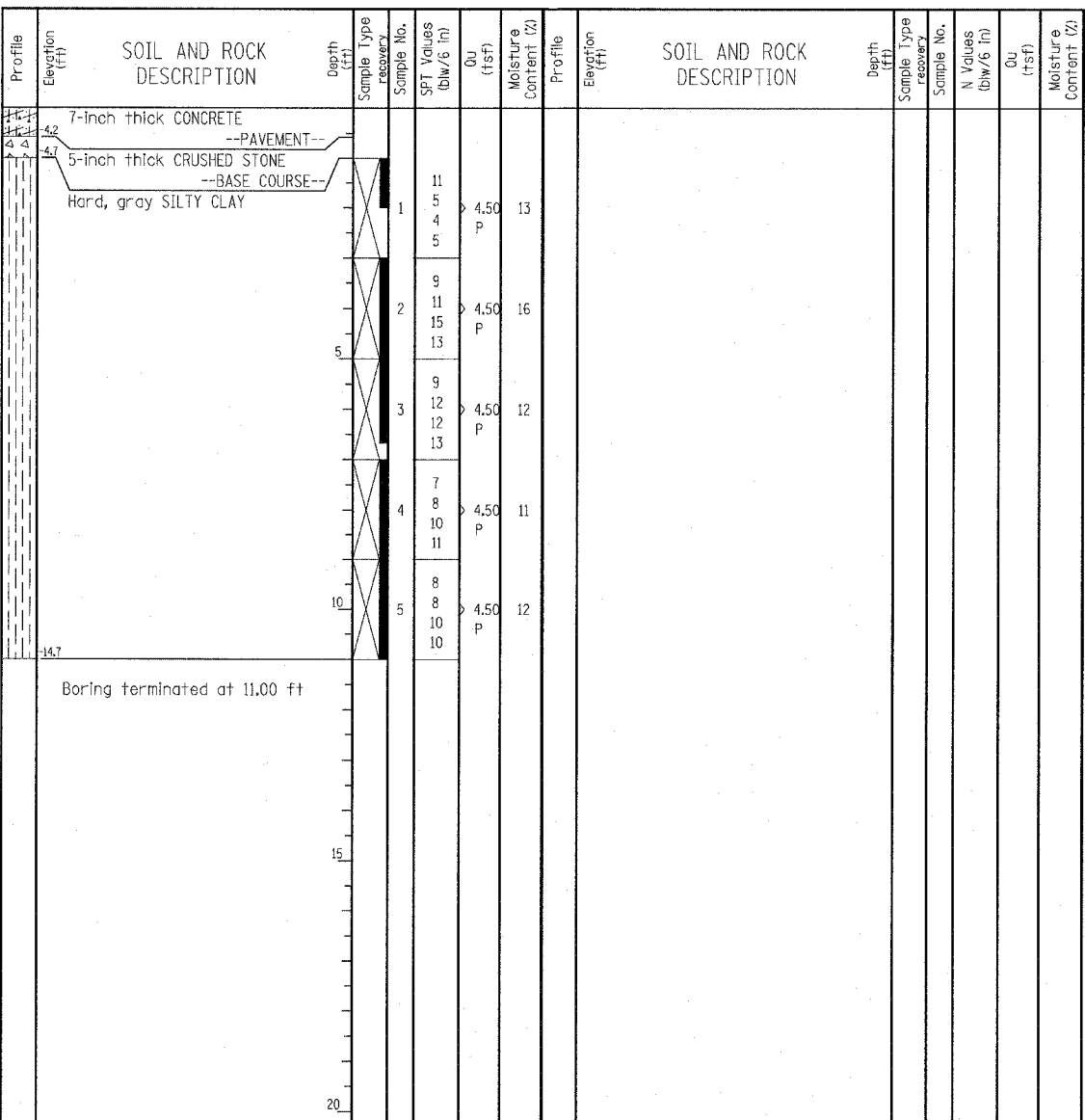


GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-17-2003	Complete Drilling	07-17-2003	While Drilling	☑ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑ DRY
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with 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
 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

SCALE: N.T.S. DRAWN BY: RTM
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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

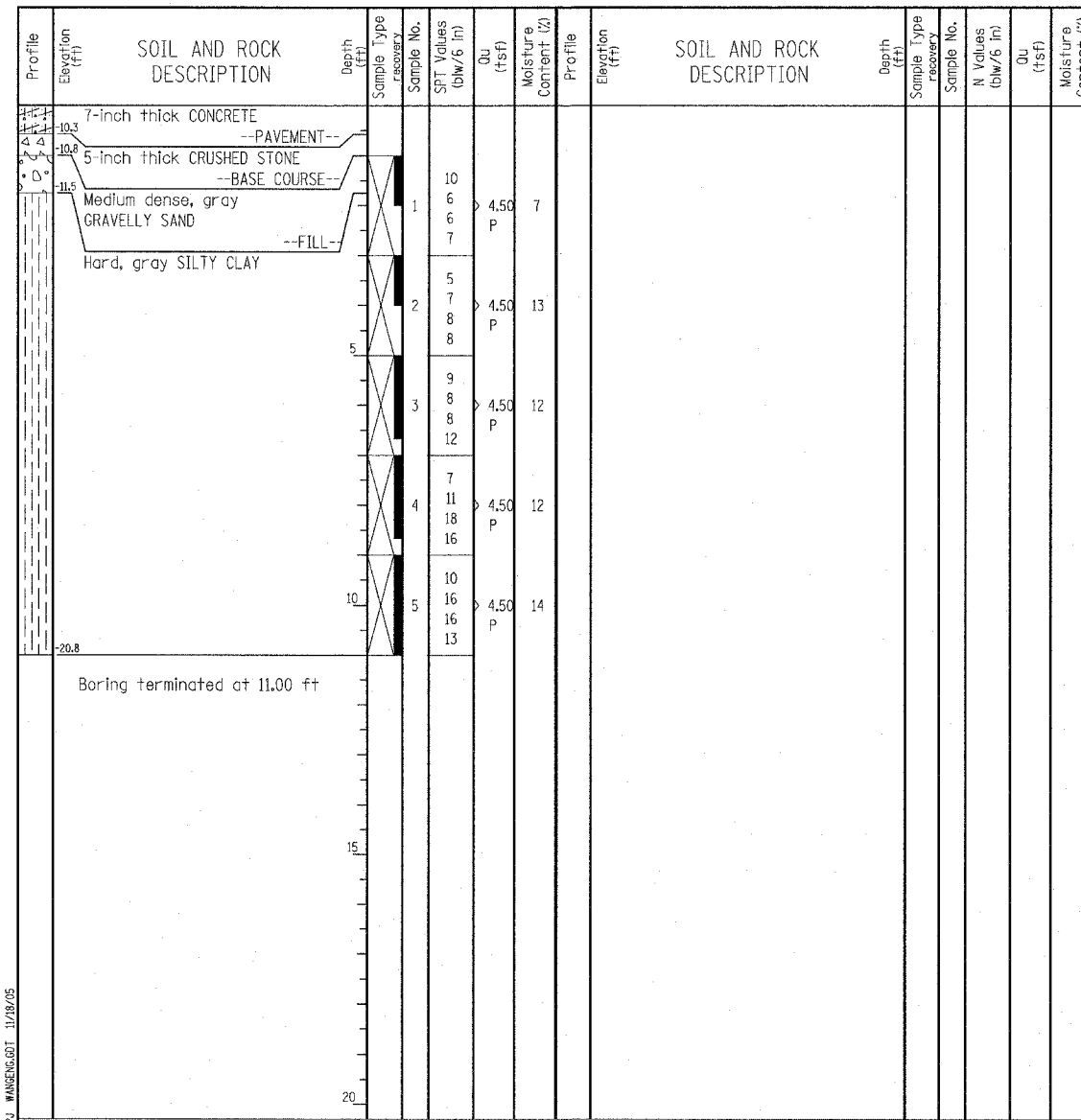
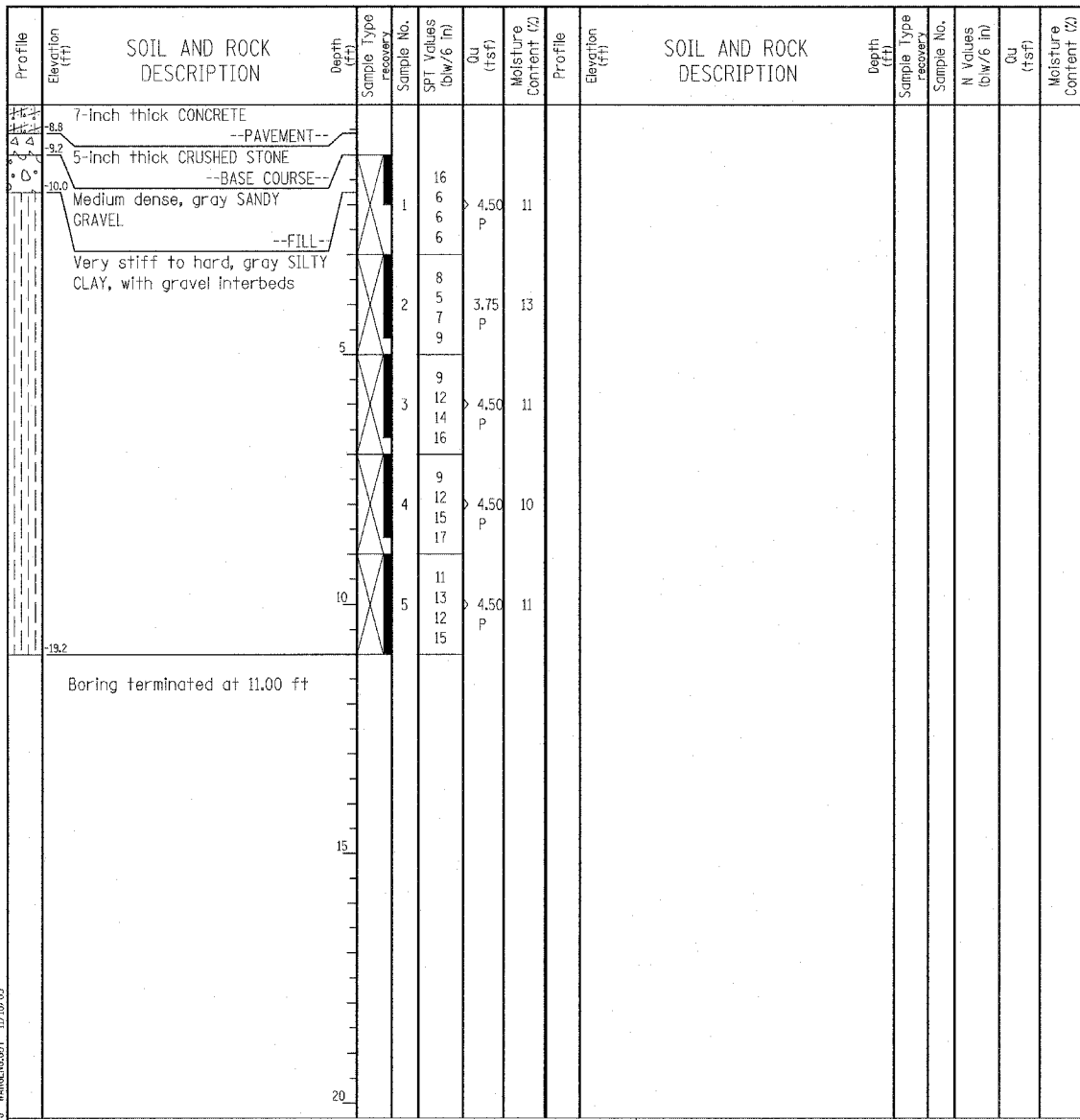
Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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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
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				

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				

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-021 & P-022

SCALE: N.T.S. DRAWN BY: RTM
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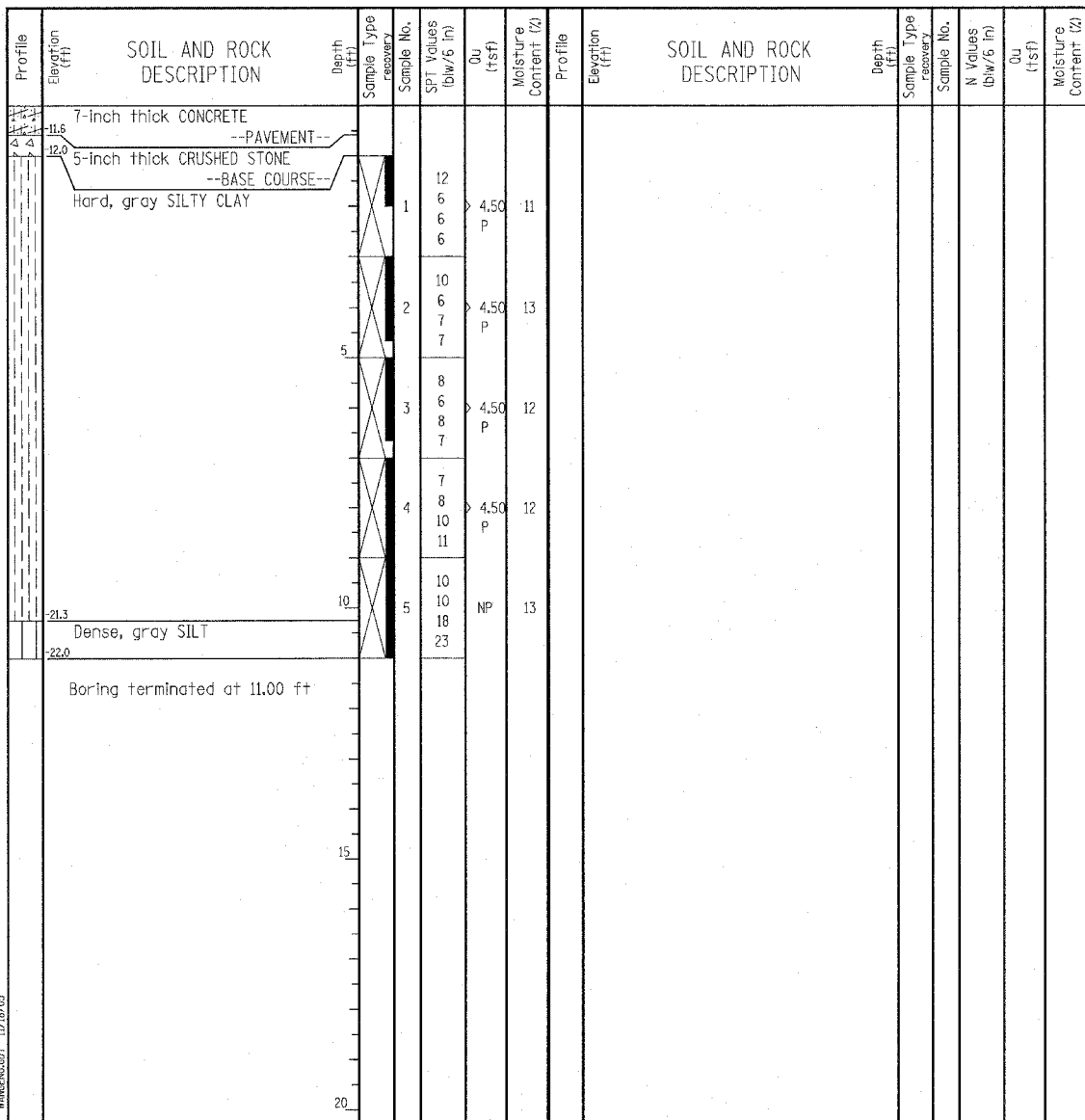
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BORING LOG P-023
WEI Job No.: 414-07-01

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



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.							

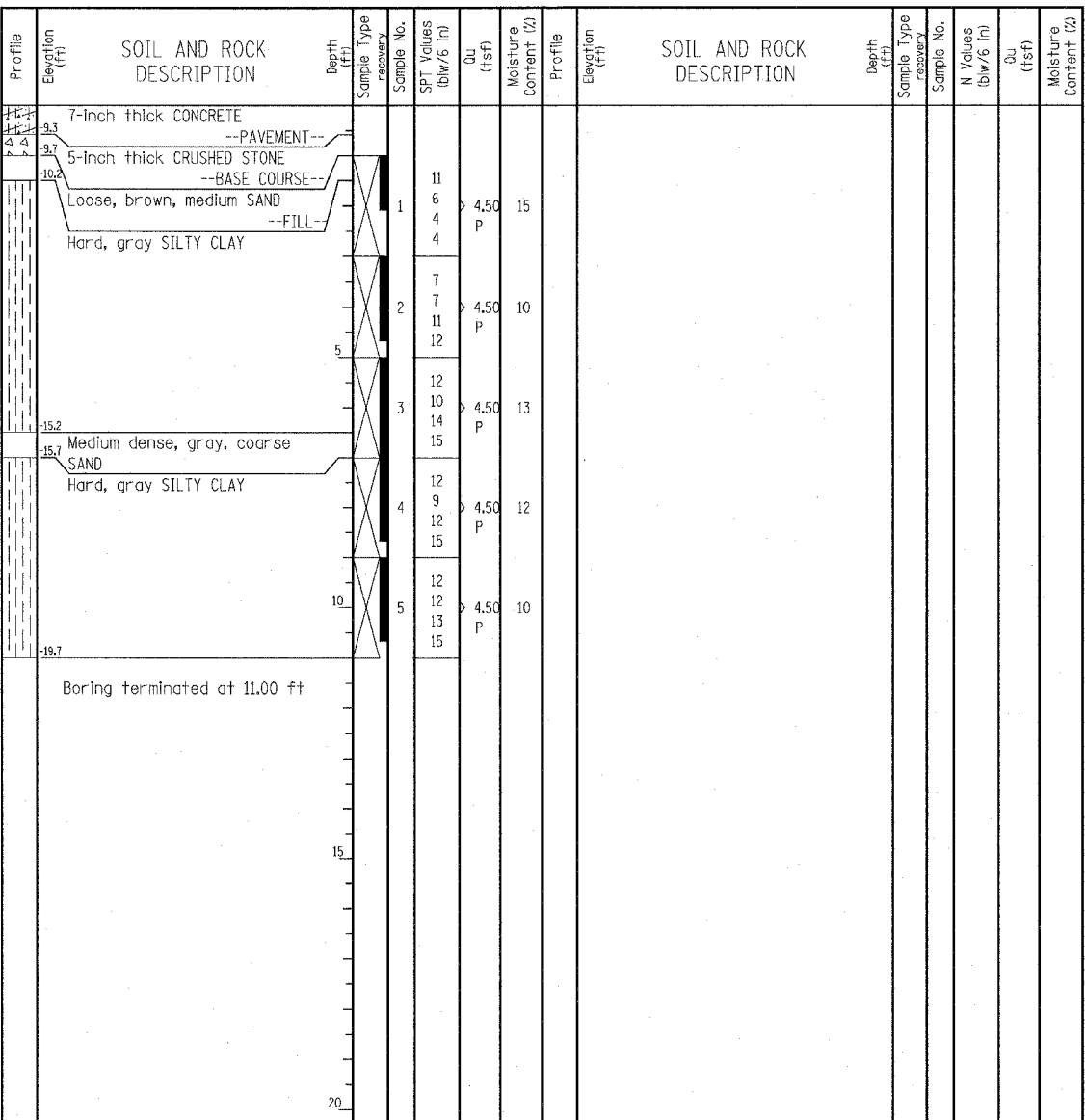
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BORING LOG P-024
WEI Job No.: 414-07-01

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



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-023 & P-024

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG P-025 Page 1 of 1
 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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
5.0	10-inch thick CONCRETE --PAVEMENT--														
4.4	4-inch thick CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY	11		1	8	2.50	17								
		4			3										
		2		2	5	4.50	13								
		9			9										
		5			9										
		14		3	15	4.50	13								
		17			17										
		17			17										
		4		4	7	4.50	12								
		9			9										
		9			9										
		3		5	6	4.50	12								
		8			8										
		11			11										
16.2	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		
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-026 Page 1 of 1
 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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
2.2	10-inch thick CONCRETE --PAVEMENT--														
2.4	2-inch thick CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY	11		1	5	4.50	19								
		3			3										
		4			4										
		6		2	4	4.50	18								
		4			4										
		5			5										
		3		3	4	3.75	21								
		4			4										
		8			8										
-9.1	Medium dense, gray SILT to SILTY LOAM	5		4	8	NP	17								
		12			12										
		14			14										
		4		5	6	NP	22								
		10			10										
		11			11										
-12.4	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		
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 P-025 & P-026

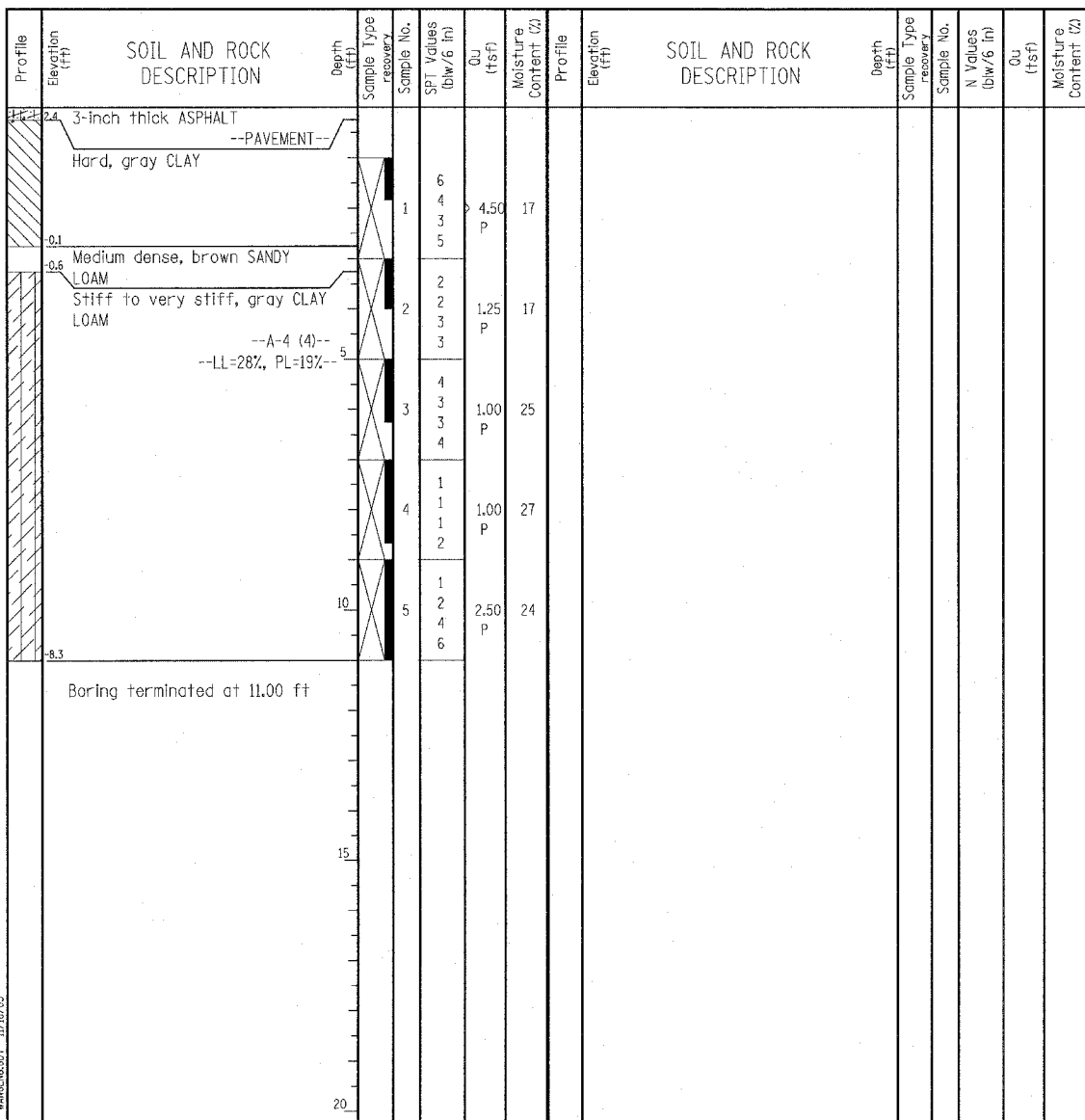
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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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



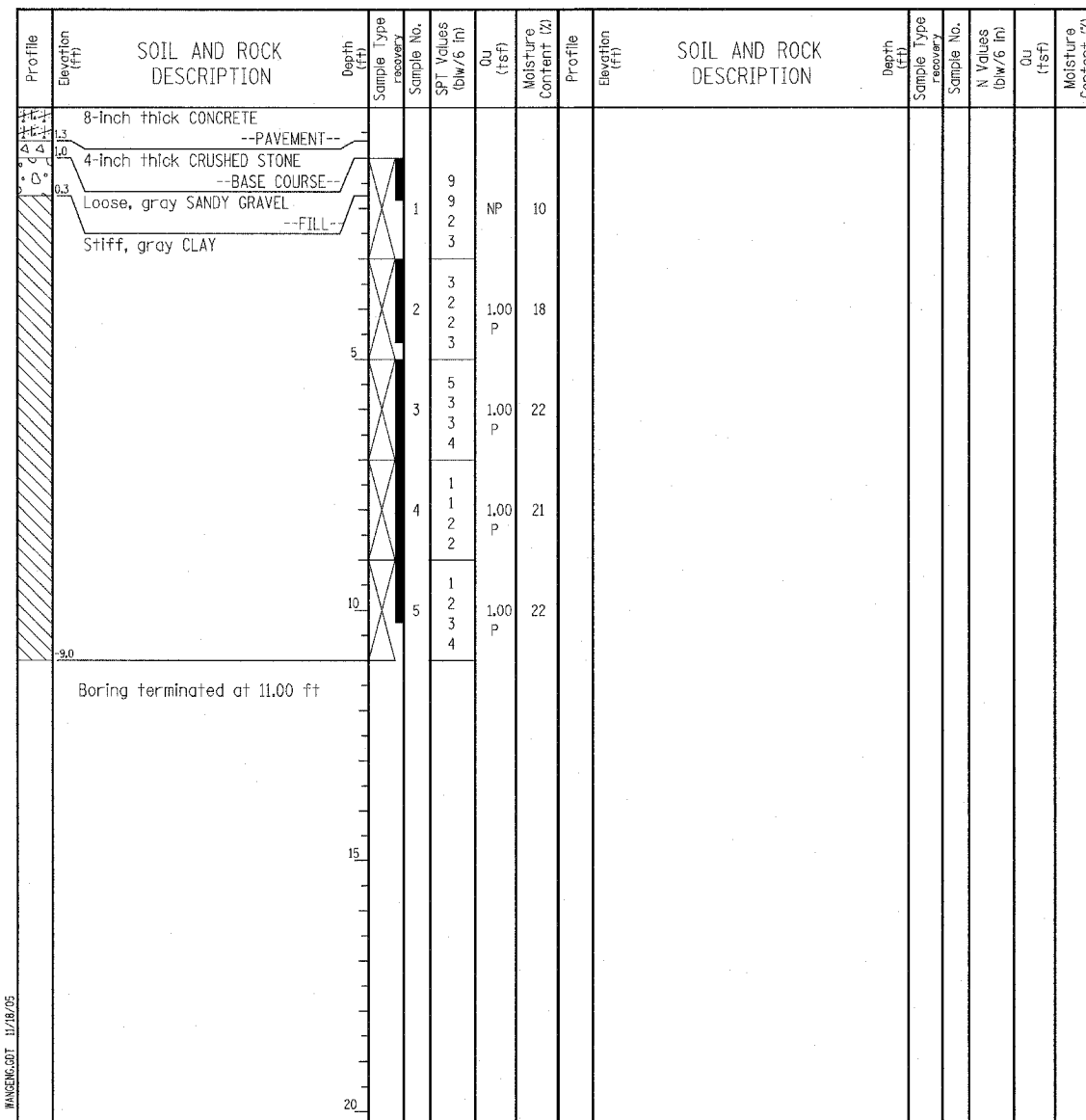
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-18-2003	Complete Drilling	07-18-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled 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
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BORING LOG P-029
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 1.53 ft
 North: 1849067.49 ft
 East: 1177676.72 ft
 Station: 2277+01.56
 Offset: 57.77' RT

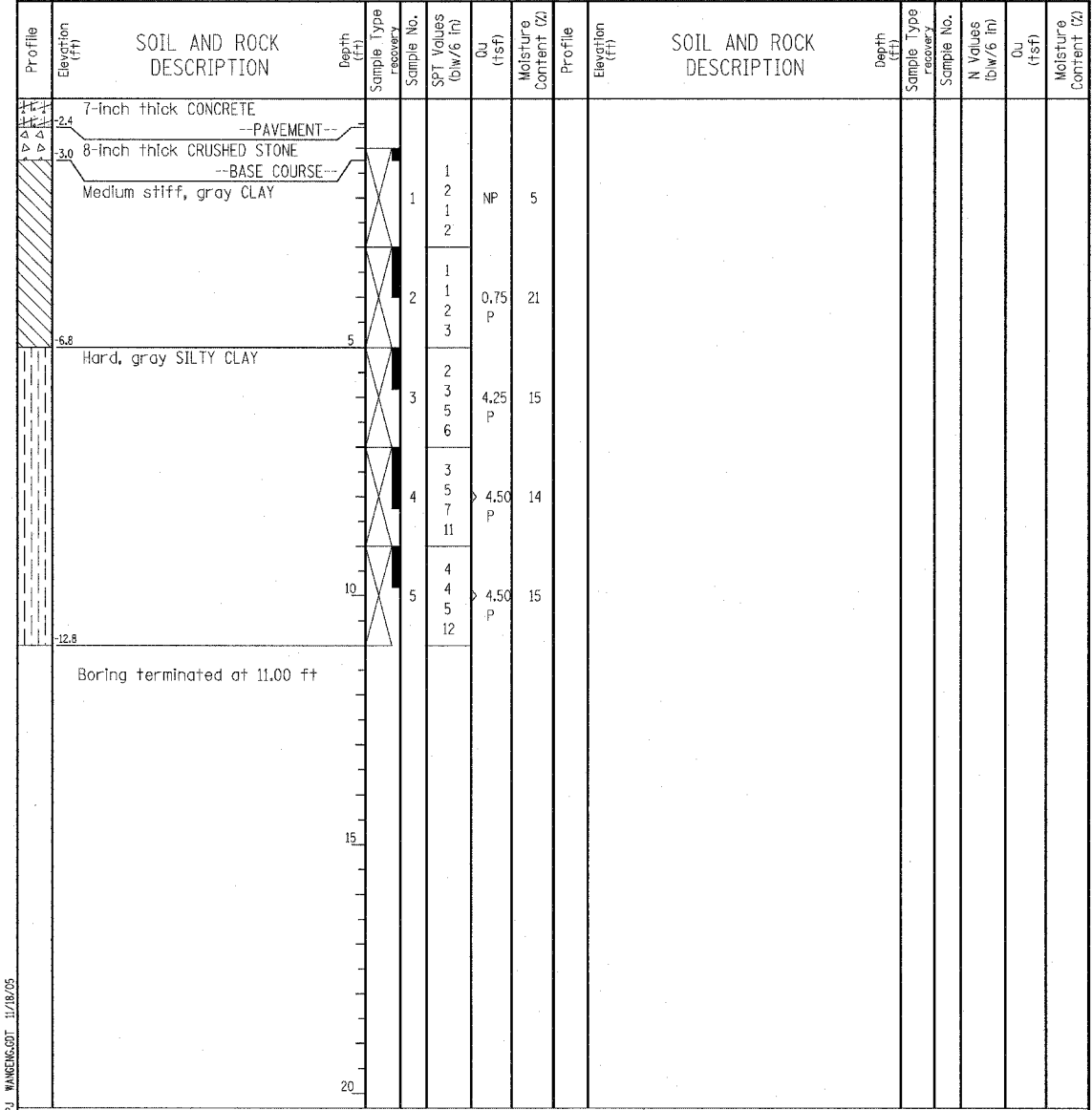
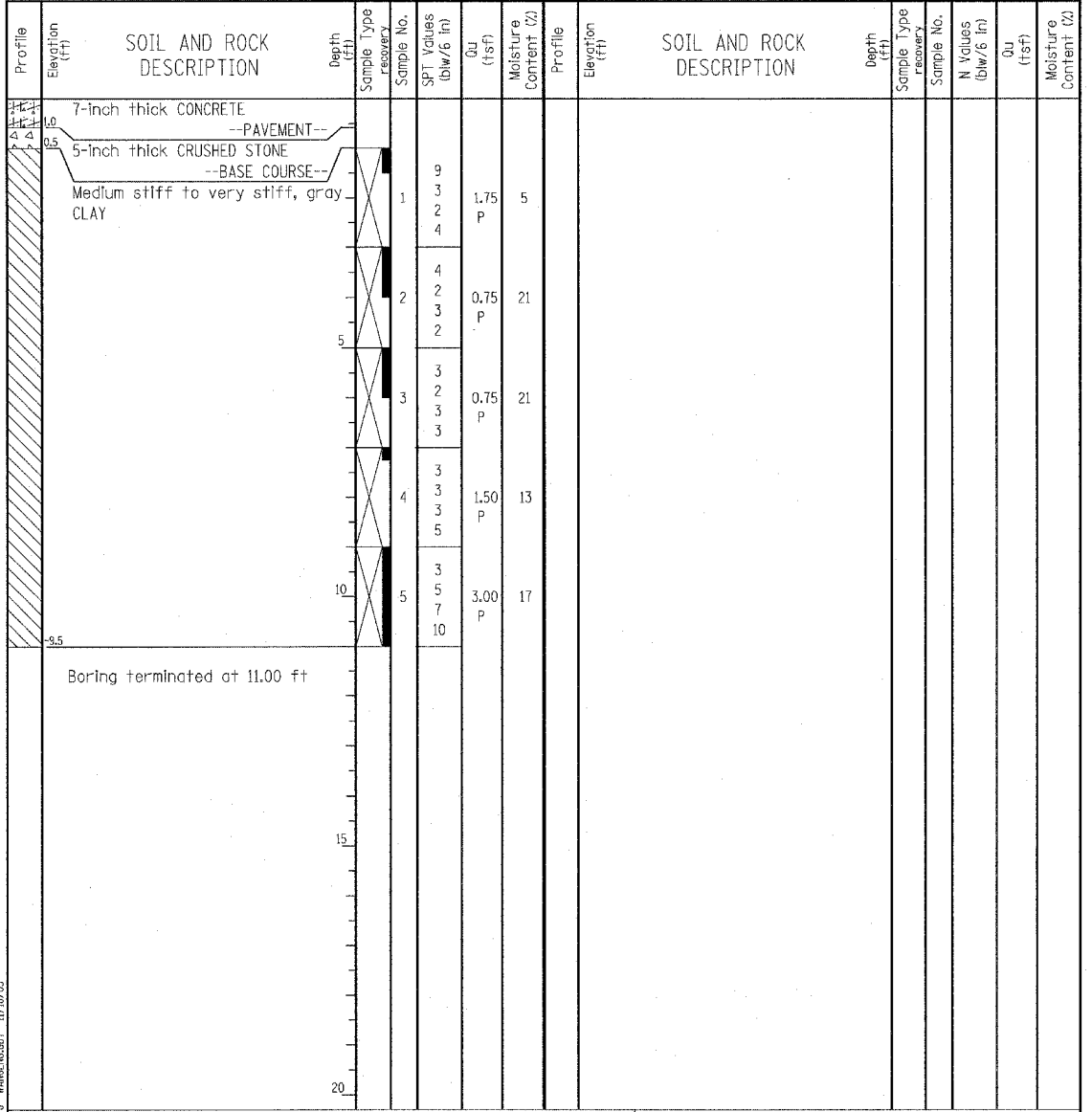
Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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BORING LOG P-030
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -1.78 ft
 North: 1849318.01 ft
 East: 1177670.68 ft
 Station: 2279+52.15
 Offset: 58.90' 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	07-16-2003	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	Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇ NA

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	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

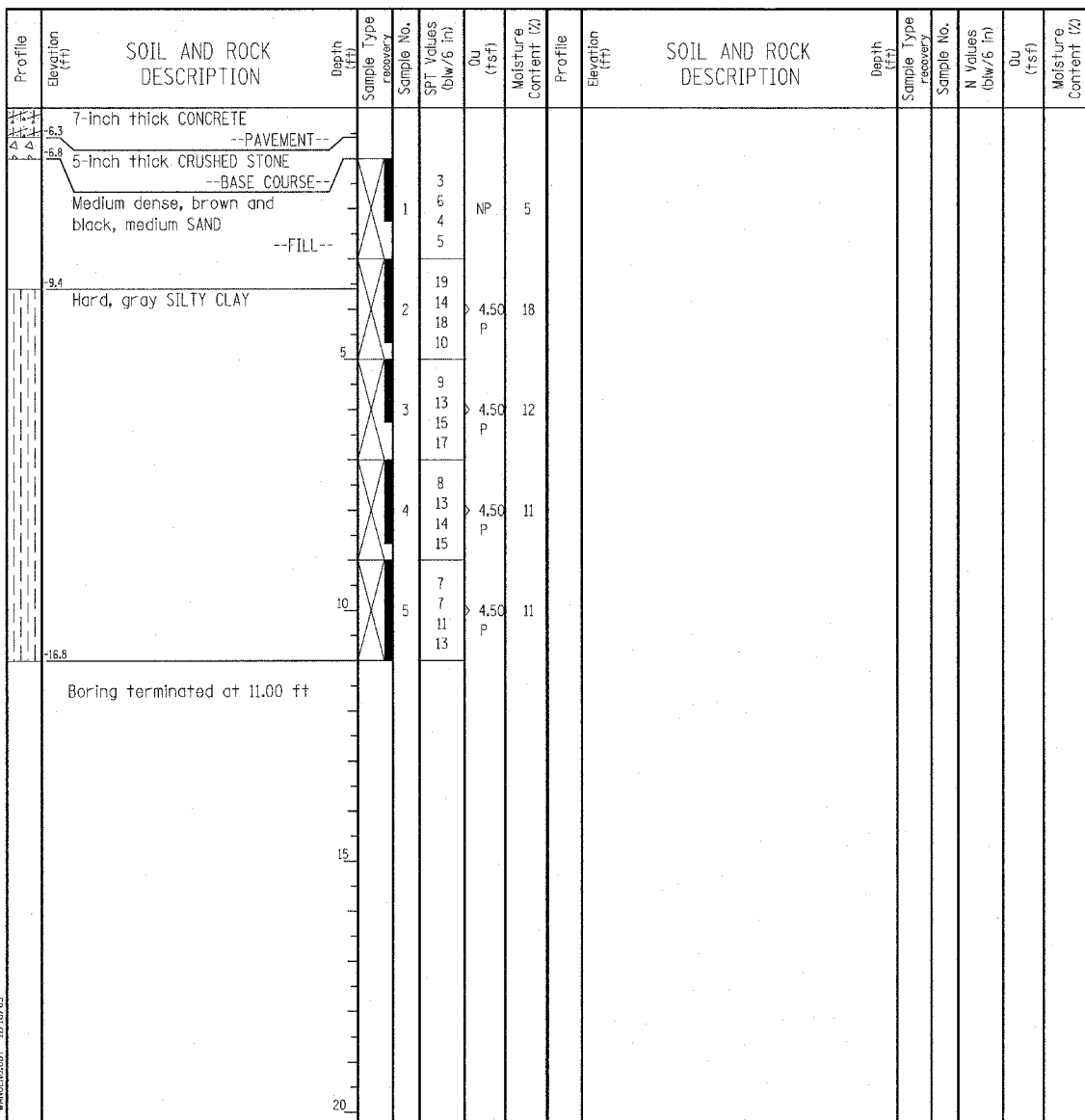
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-029 & P-030

SCALE: N.T.S. DRAWN BY: RTM
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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

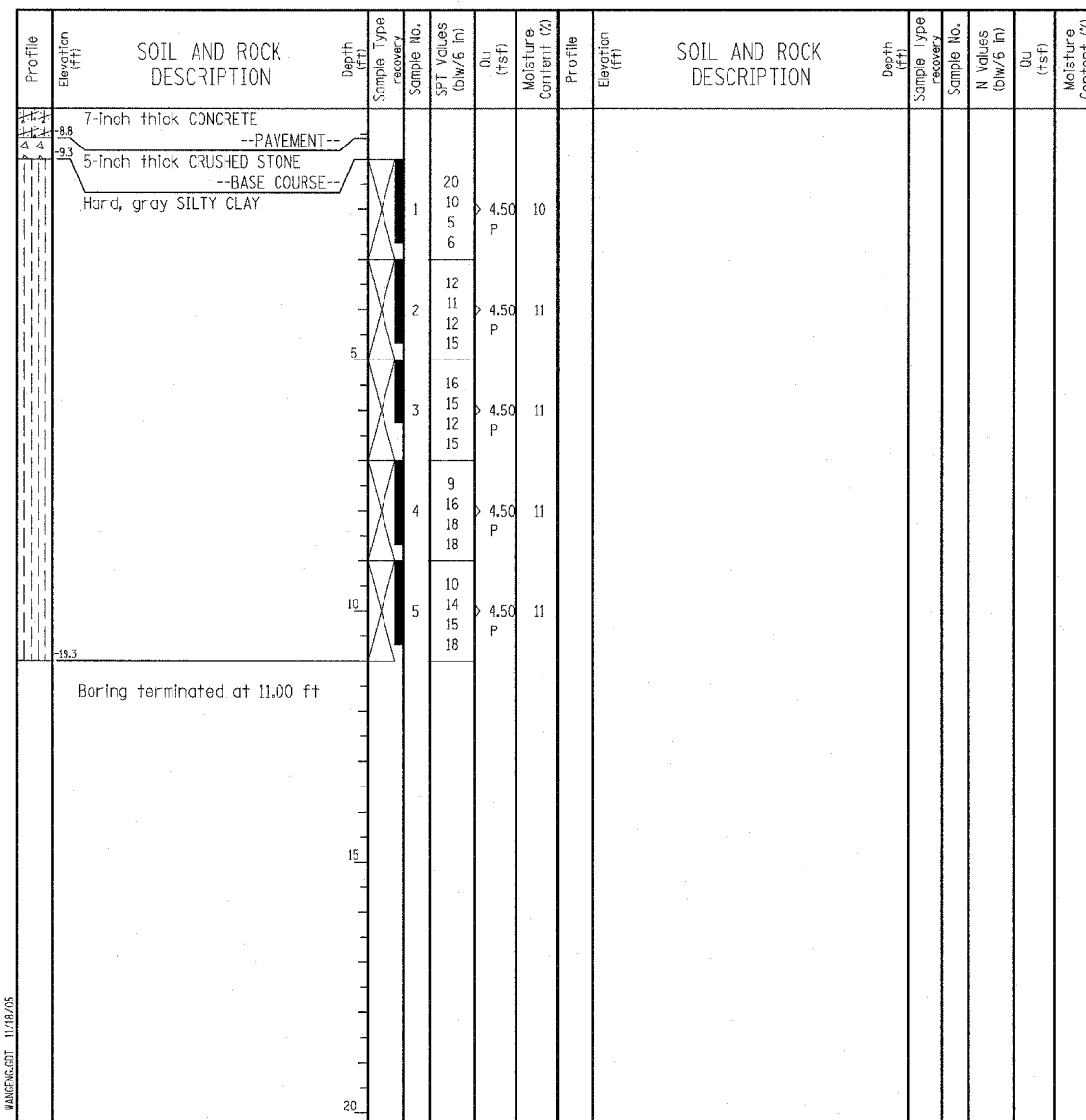


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-16-2003	Complete Drilling	07-16-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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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



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		
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-031 & P-032

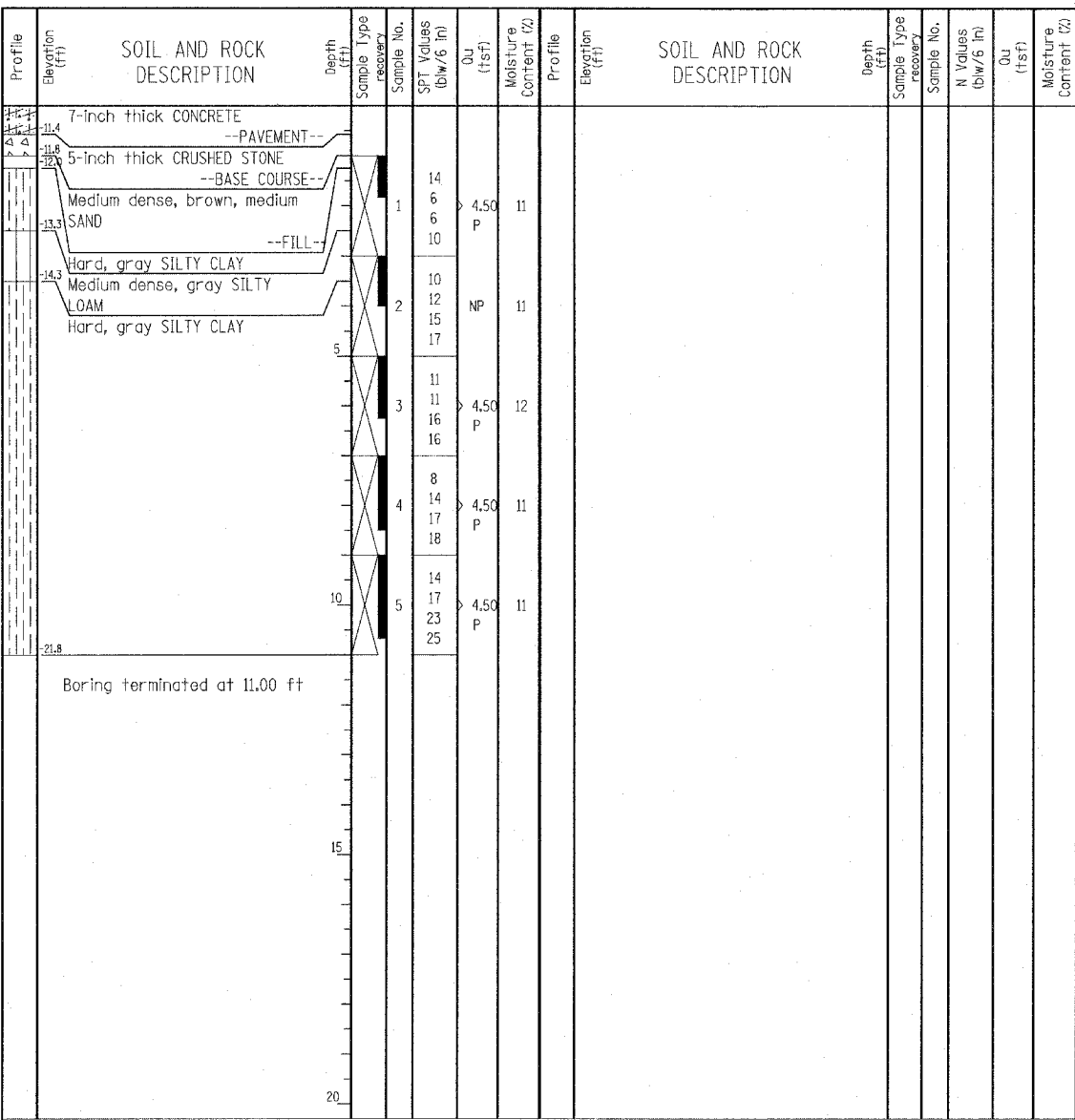
SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG P-033
 WEI Job No.: 414-07-01

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

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



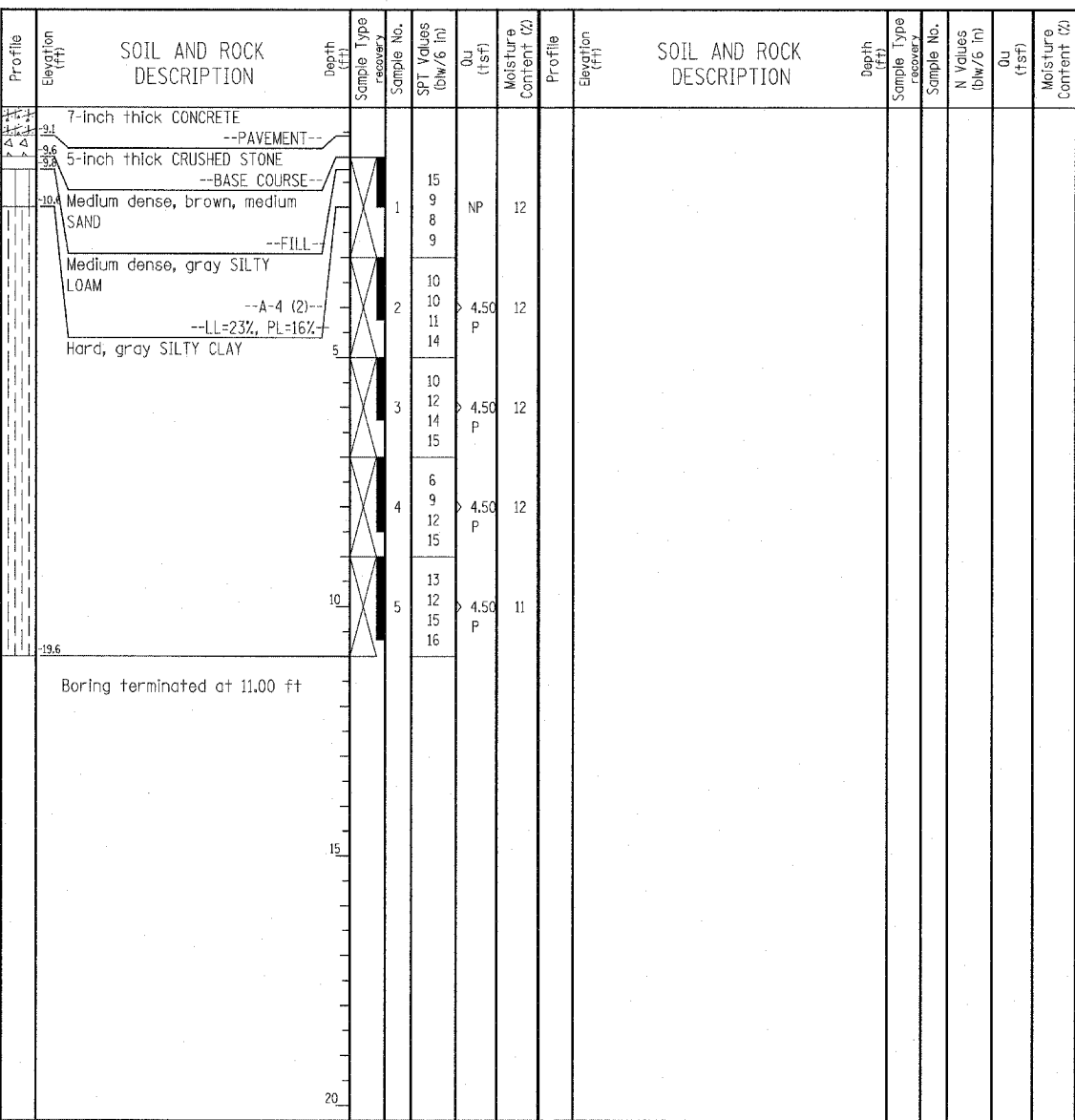
GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion				Depth to Water	∇ NA

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BORING LOG P-034
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -8.56 ft
 North: 1850495.78 ft
 East: 1177635.47 ft
 Station: 2291+30.45
 Offset: 57.42' 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	07-15-2003	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

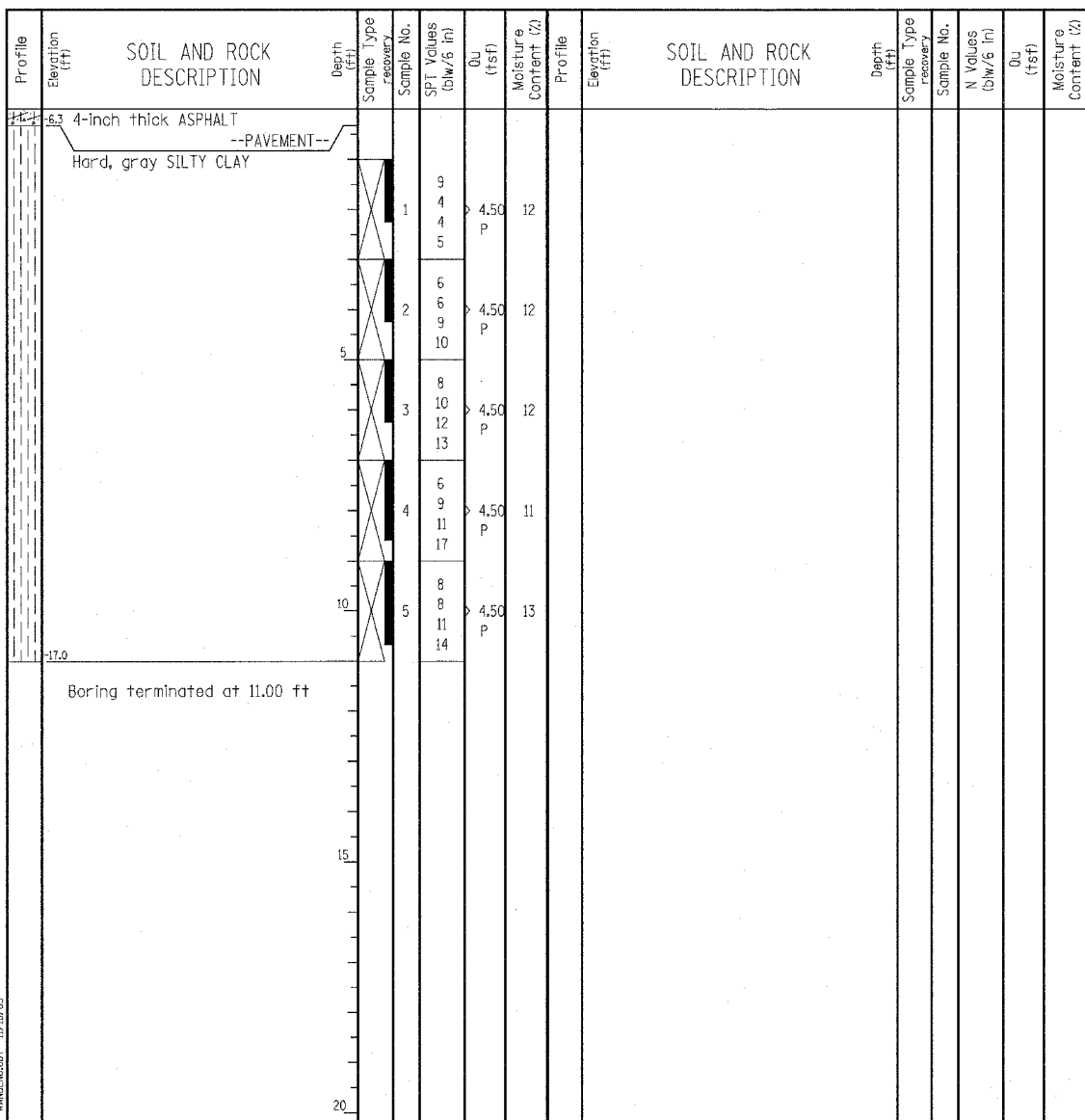
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-035 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: -6.00 ft
 North: 1850781.89 ft
 East: 1177627.03 ft
 Station: 2294+16.68
 Offset: 57.18' RT



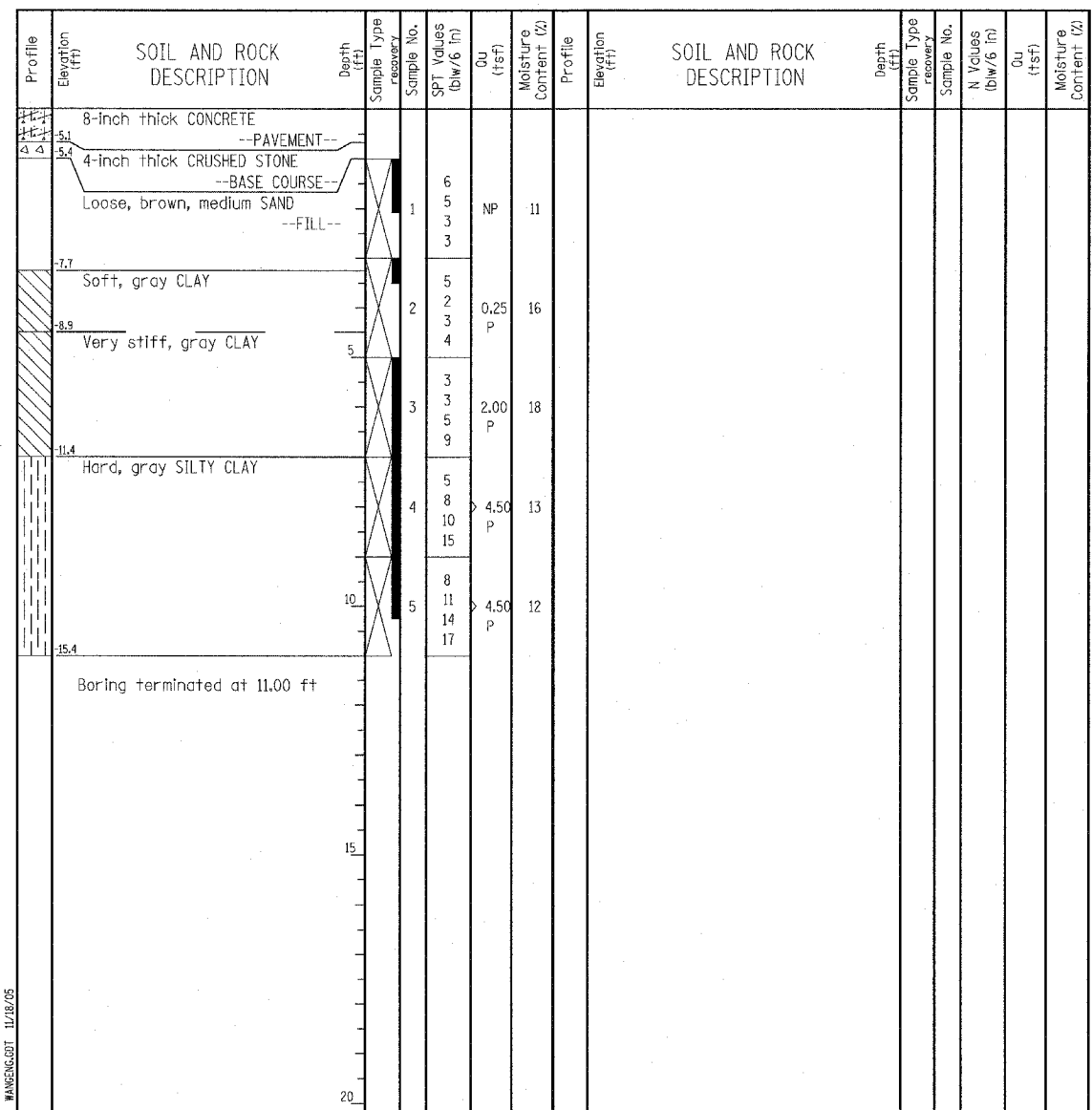
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled 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-036 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: -4.41 ft
 North: 1851119.03 ft
 East: 1177626.82 ft
 Station: 2297+53.69
 Offset: 66.61' RT



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-035 & P-036

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

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BORING LOG P-037

Page 1 of 1

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								
		4		4											
		3		3											
		2		2		4.50	20								
		3		3											
		4		4											
		5		5		NA	15								
		6		6											
-10.8	Hard, gray SILTY CLAY	8		8		4.50	12								
		9		9											
		11		11											
		13		13											
		8		8		4.50	12								
		10		10											
		14		14		4.50	12								
		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		
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-038

Page 1 of 1

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								
		3		3											
		4		4											
		2		2		2.25	19								
		5		5											
		5		5											
-10.5	Hard, gray SILTY CLAY	3		3		4.50	13								
		8		8											
		8		8											
		4		4		4.50	11								
		7		7											
		11		11											
		13		13											
		9		9		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		
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-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

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 (%)
4.4	2-inch thick ASPHALT PAVEMENT--														
	Very stiff to hard, gray CLAY	1	X	1	5	2.00	17								
	--A-6 (9)--	2	X	2											
	--LL=31%, PL=19%--	4	X	4											
		1	X	1											
		3	X	3											
		5	X	5											
		4	X	4											
12.1	Hard, gray SILTY CLAY	6	X	6		4.50	19								
	Hard, gray SILTY CLAY	10	X	10											
		7	X	7											
		8	X	8		4.50	12								
		12	X	12											
		12	X	12											
		6	X	6											
		8	X	8		4.50	12								
		14	X	14											
		16	X	16		4.50	12								
16.6	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		
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-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

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 (%)
11.1	7.5-inch thick CONCRETE														
9.7	4<<R>>-PAVEMENT--														
10.1	5-inch thick CRUSHED STONE														
	--BASE COURSE--														
10.8	Loose, brown, medium SAND	1	X	1	4	4.50	6								
	--FILL--	2	X	2											
	Very stiff to hard, gray SILTY CLAY	3	X	3		4.50	13								
		4	X	4											
		5	X	5											
		7	X	7											
		8	X	8		4.50	13								
		11	X	11											
		11	X	11											
		7	X	7											
		12	X	12		4.50	16								
		20	X	20											
		26	X	26											
		11	X	11											
		19	X	19		3.75	17								
		28	X	28											
		35	X	35											
20.0	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		
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

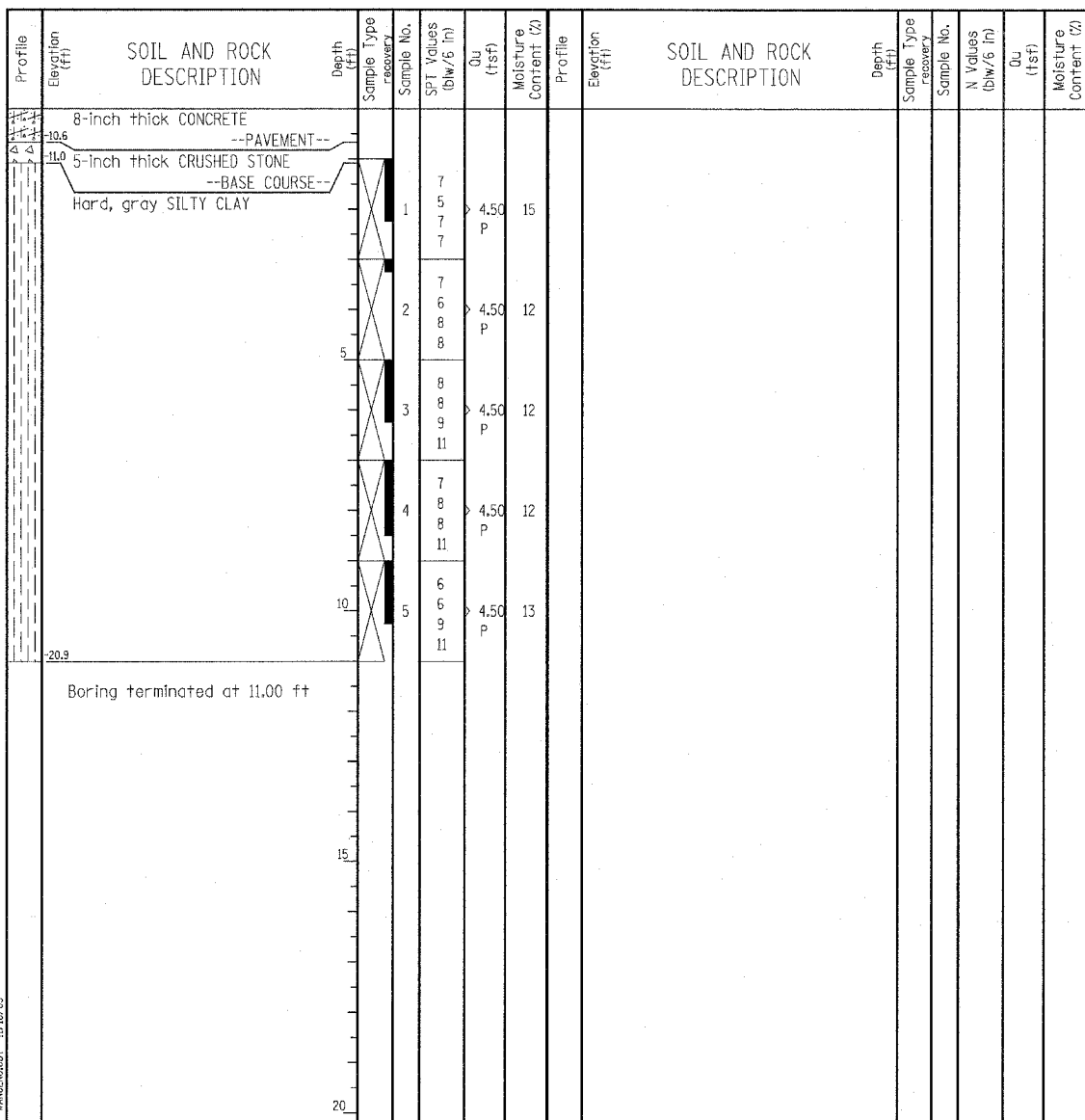
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-039 & P-040

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



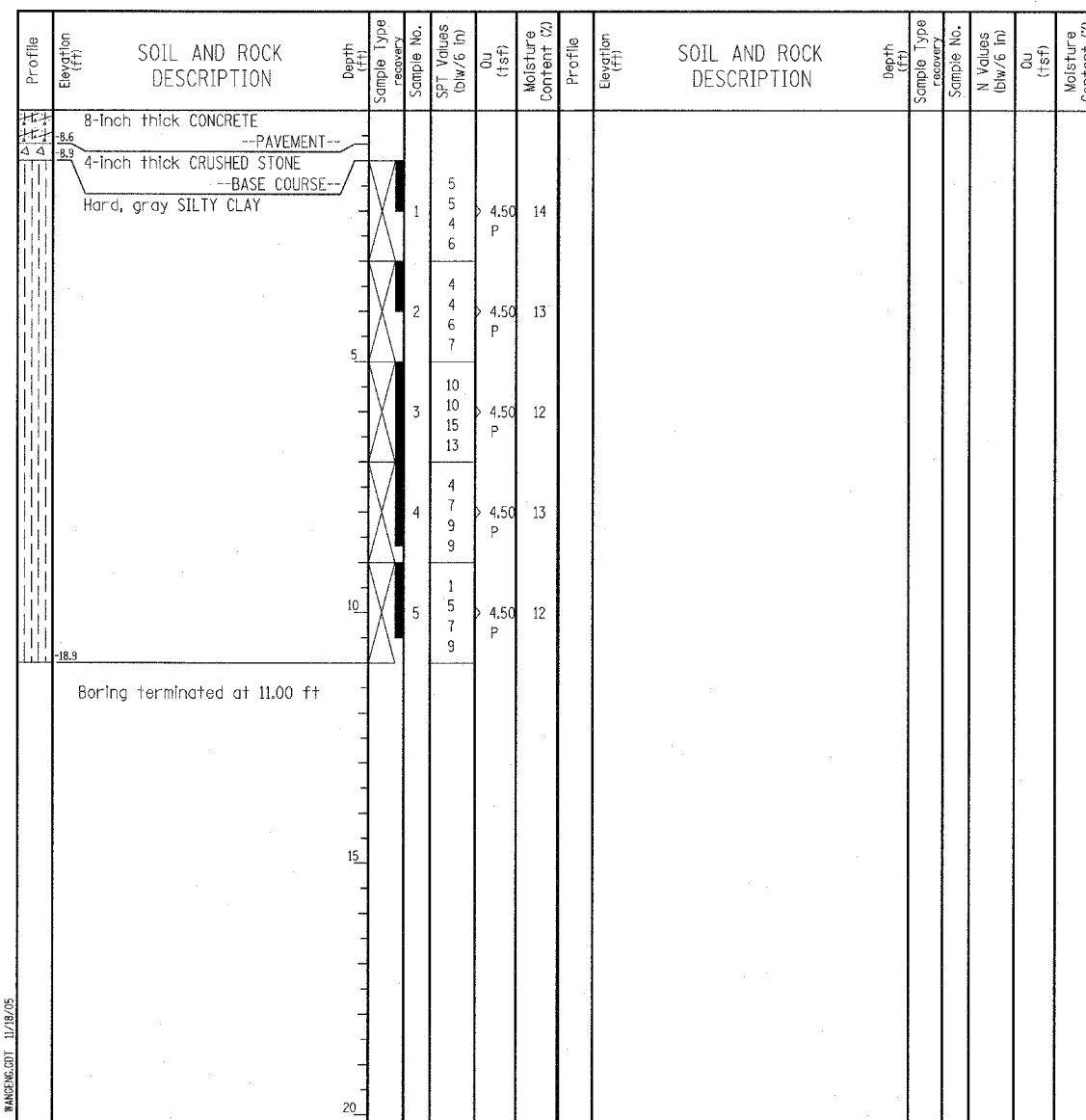
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-15-2003	Complete Drilling	07-15-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled 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



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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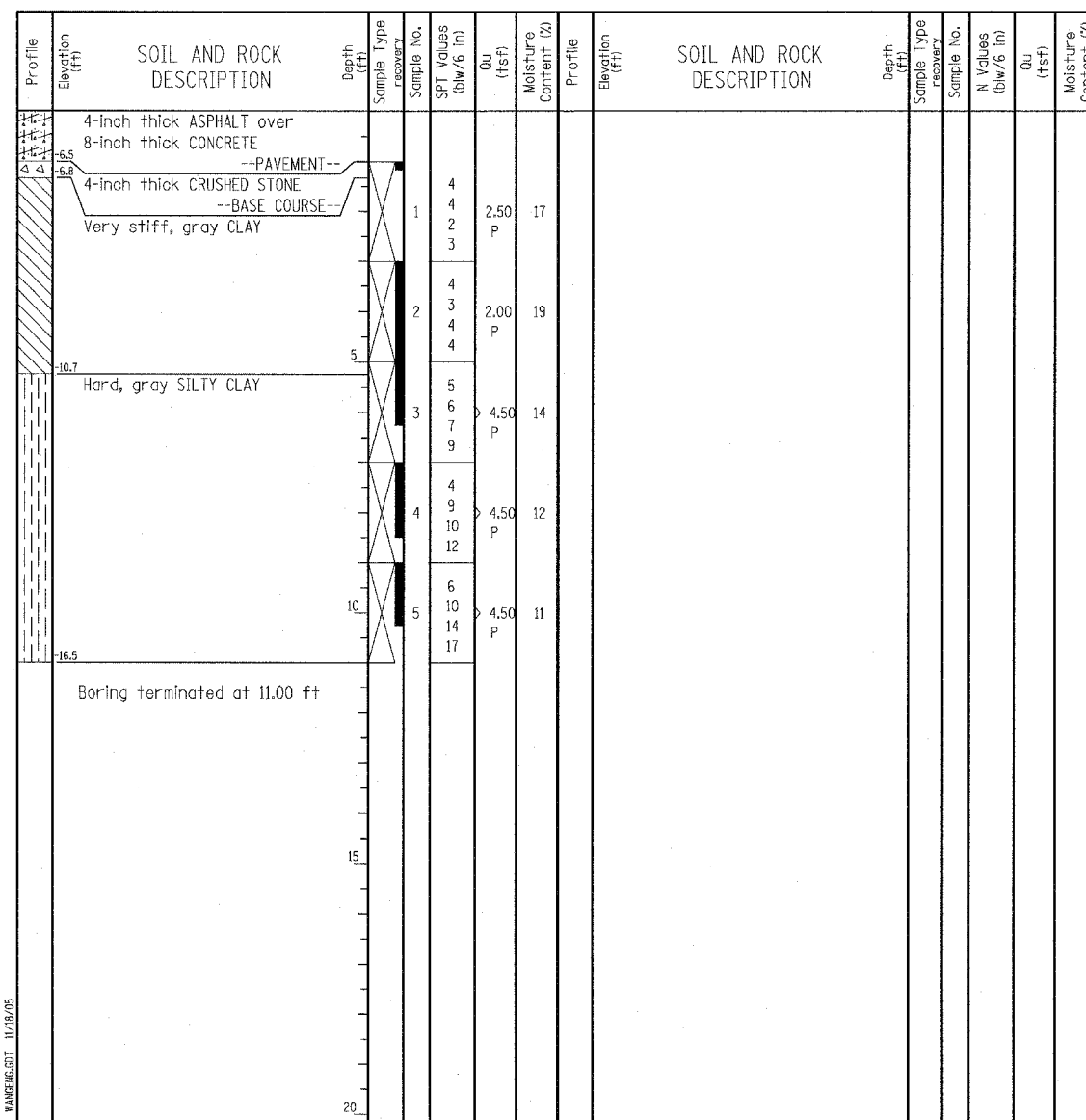
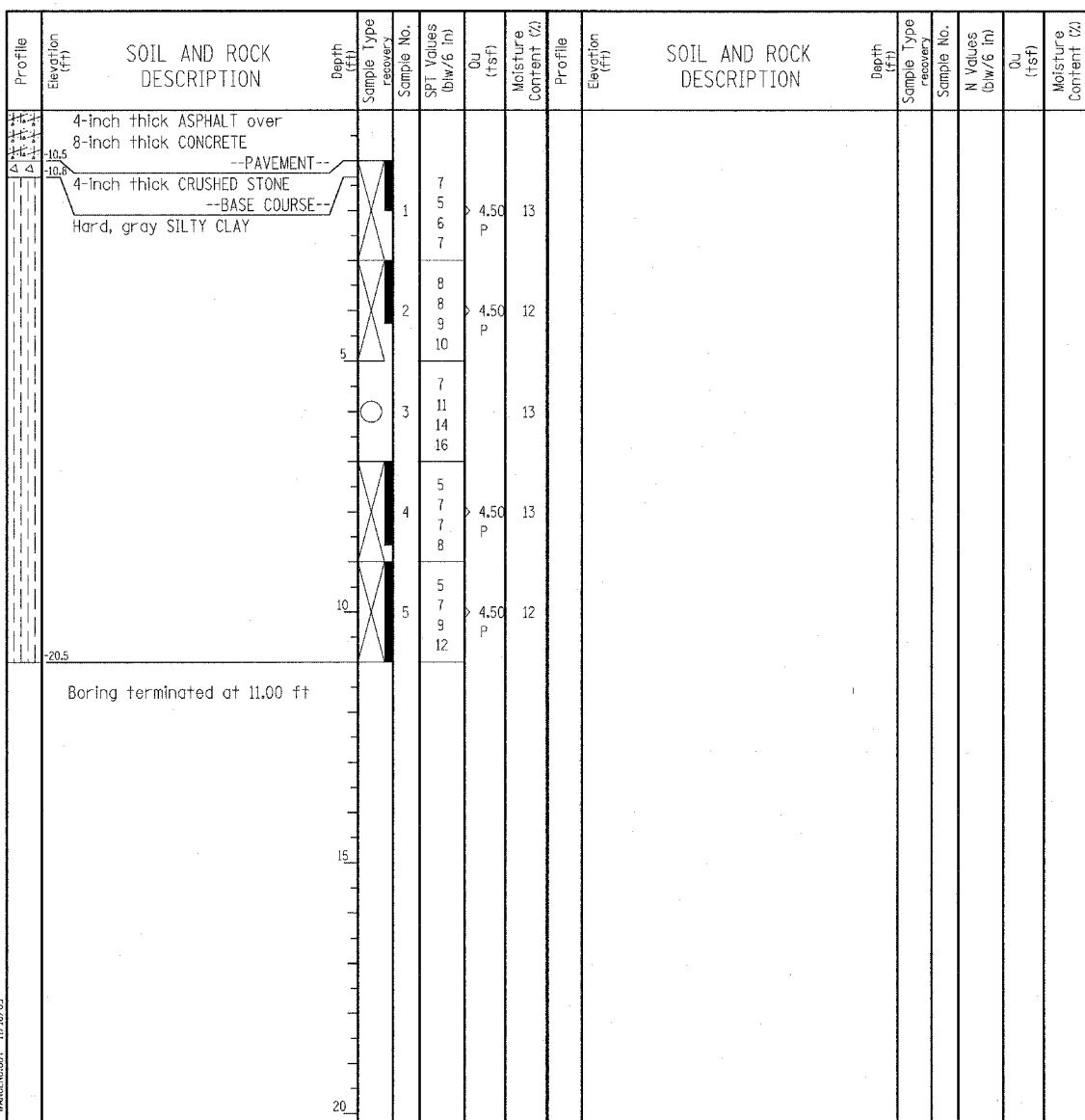
BORING LOG P-067
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -9.51 ft
 North: 1852552.98 ft
 East: 1177521.66 ft
 Station: 2311+90
 Offset: 3' RT

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

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BORING LOG P-068
 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		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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	

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
 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: -6.17 ft
 North: 1850805.72 ft
 East: 1177570.35 ft
 Station: 2294+42
 Offset: 1' 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 (%)
-7.2	4-inch thick ASPHALT over 8-inch thick CONCRETE														
-7.5	--PAVEMENT--														
-7.5	4-inch thick CRUSHED STONE			1	2	2.25	15								
-7.5	--BASE COURSE--														
-7.5	Very stiff, gray CLAY														
-9.4	Hard, gray SILTY CLAY			2	7										
-9.4					9	4.50	13								
-9.4					10										
-9.4				5	13										
-9.4					13	4.50	12								
-9.4					16										
-9.4					14										
-9.4				4	9										
-9.4					14										
-9.4					15										
-9.4					15										
-9.4				5	5										
-9.4					9	4.50	12								
-9.4					10										
-9.4					10										
-9.4					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		
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-070 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: -8.56 ft
 North: 1849855.53 ft
 East: 1177599.26 ft
 Station: 2284+92
 Offset: 3' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-9.6	4-inch thick ASPHALT over 8-inch thick CONCRETE														
-9.6	--PAVEMENT--														
-9.6	4-inch thick CRUSHED STONE			1	3										
-9.6	--BASE COURSE--														
-9.6	Hard, gray SILTY CLAY														
-9.6					5	4.50	11								
-9.6					8										
-9.6					15	4.50	11								
-9.6					15										
-9.6					16										
-9.6				5	17										
-9.6					18	4.50	11								
-9.6					21										
-9.6					25										
-9.6				4	6										
-9.6					12	4.50	11								
-9.6					15										
-9.6					12										
-9.6				5	5										
-9.6					10	4.50	12								
-9.6					12										
-9.6					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		
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 P-069 & P-070

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

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BORING LOG P-071 Page 1 of 1

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

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 (%)
11.0	4-inch thick ASPHALT over 8-inch thick CONCRETE														
10.2	--PAVEMENT--														
9.2	4-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Medium stiff to very stiff, gray CLAY	1		1	4	3.25	23								
	--A-7-6 (19)-- --LL=43%, PL=24%--	3		3											
		4		4											
		5		5											
		2		2	0.50		18								
		4		4											
		4		4											
		5		5											
		3		3	1.00		22								
		4		4											
		5		5											
		4		4	1.00		21								
		2		2											
		6		6											
		2		2	1.50		20								
		3		3											
		5		5											
	Boring terminated at 11.00 ft														

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.			

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BORING LOG P-072 Page 1 of 1

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

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 (%)
11.0	4-inch thick ASPHALT over 8-inch thick CONCRETE														
10.2	--PAVEMENT--														
9.2	4-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Loose, gray SILT	1		1	8		24								
	Medium stiff to very stiff, gray CLAY	3		3											
		4		4											
		5		5											
		2		2	2.00		18								
		4		4											
		5		5											
		3		3	0.75		22								
		4		4											
		4		4											
		6		6											
		10		10											
		12		12											
		8		8											
		10		10											
		10		10											
		13		13											
	Boring terminated at 11.00 ft														

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

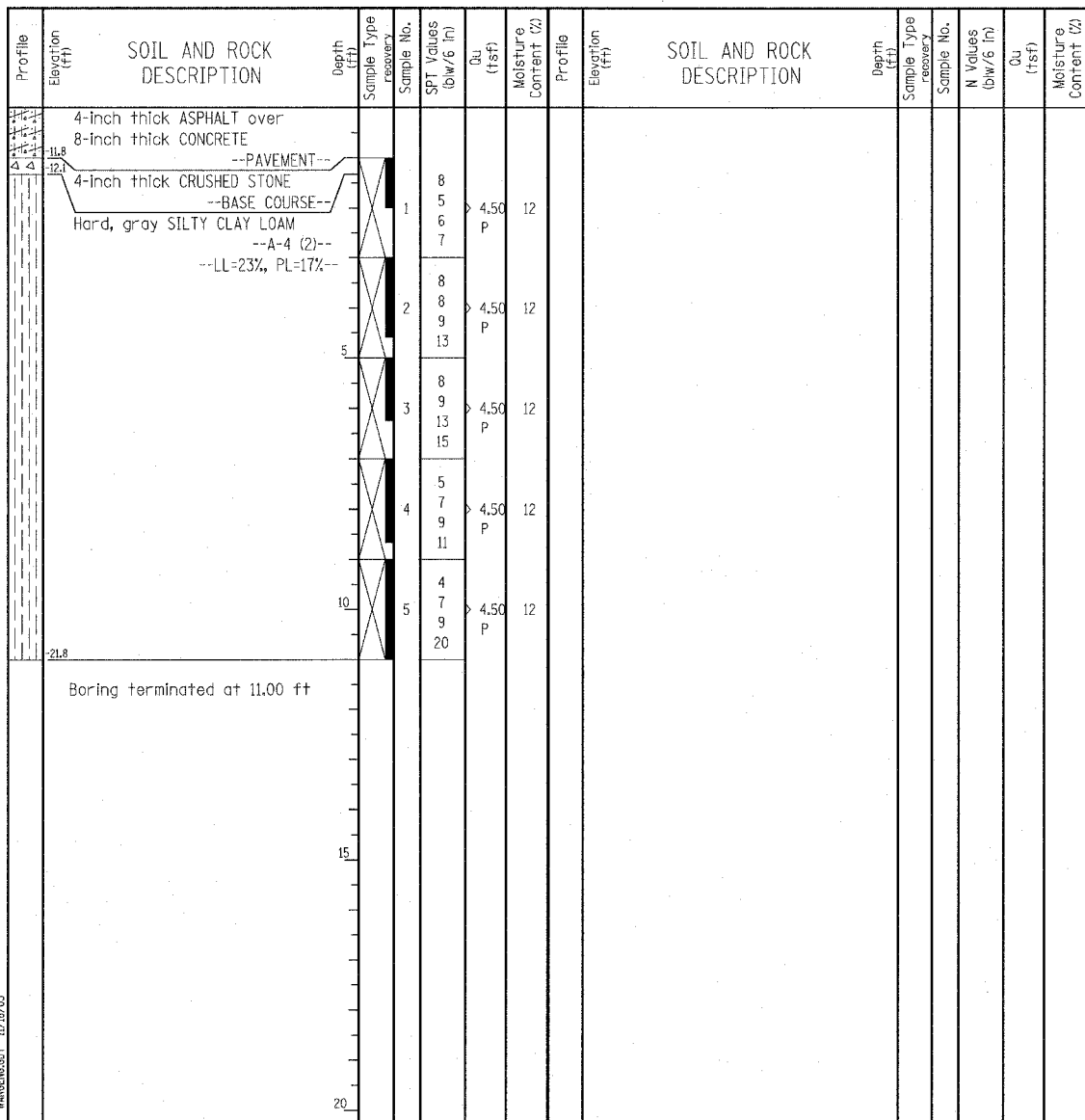
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-071 & P-072

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

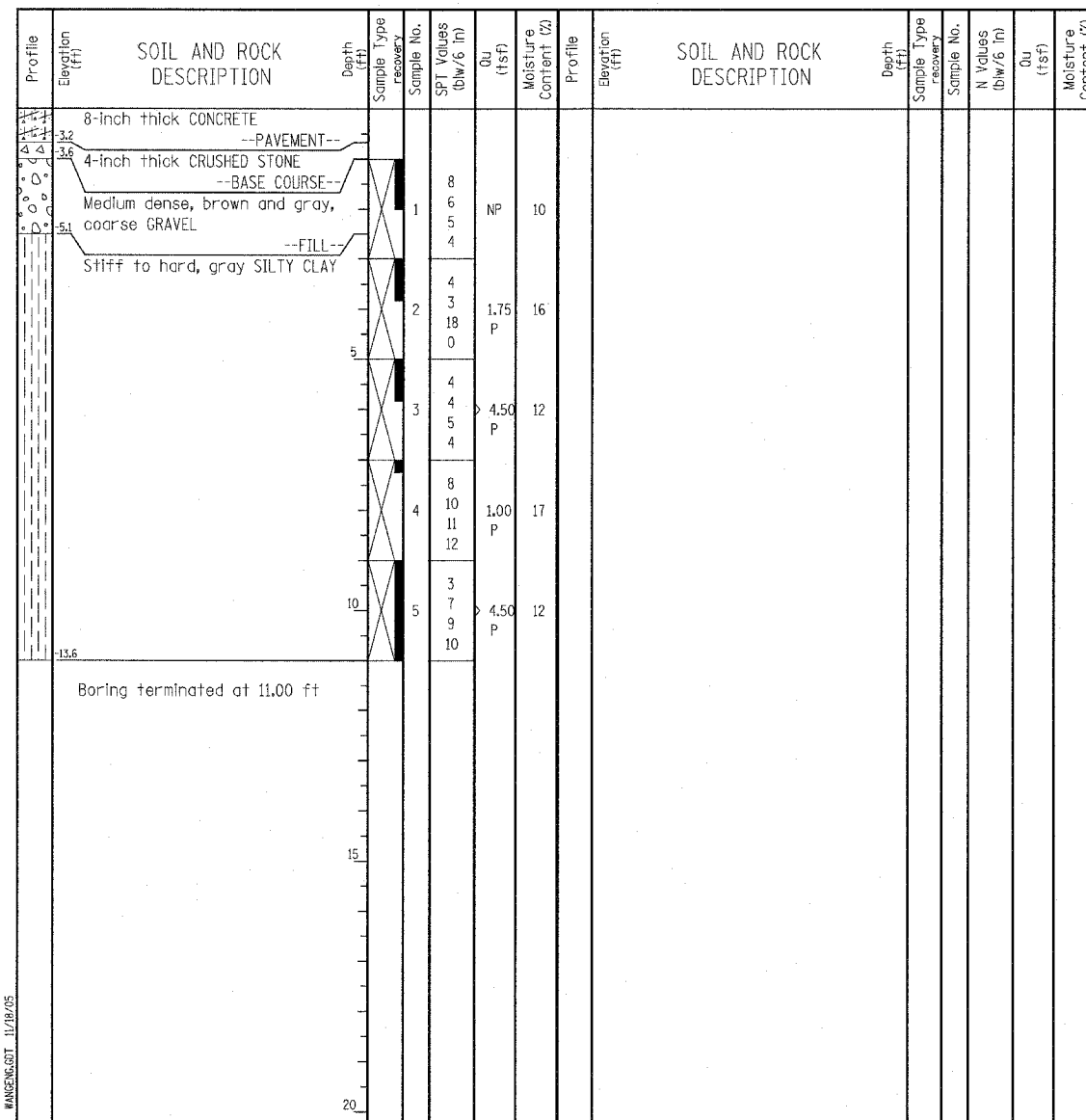


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-09-2003	Complete Drilling	10-09-2003	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	☑	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled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

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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	

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
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG P-077
 WEI Job No.: 414-07-01

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

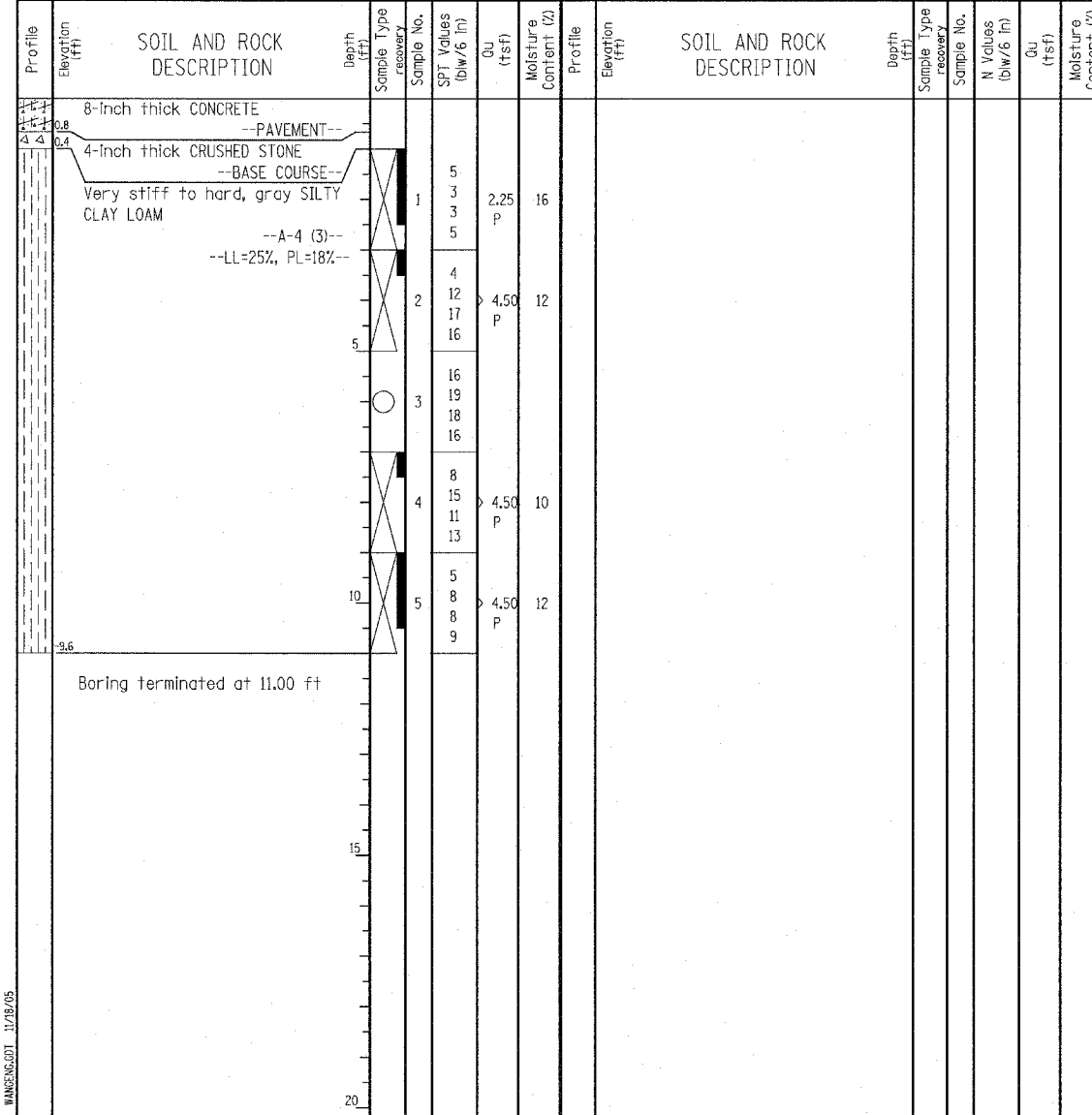
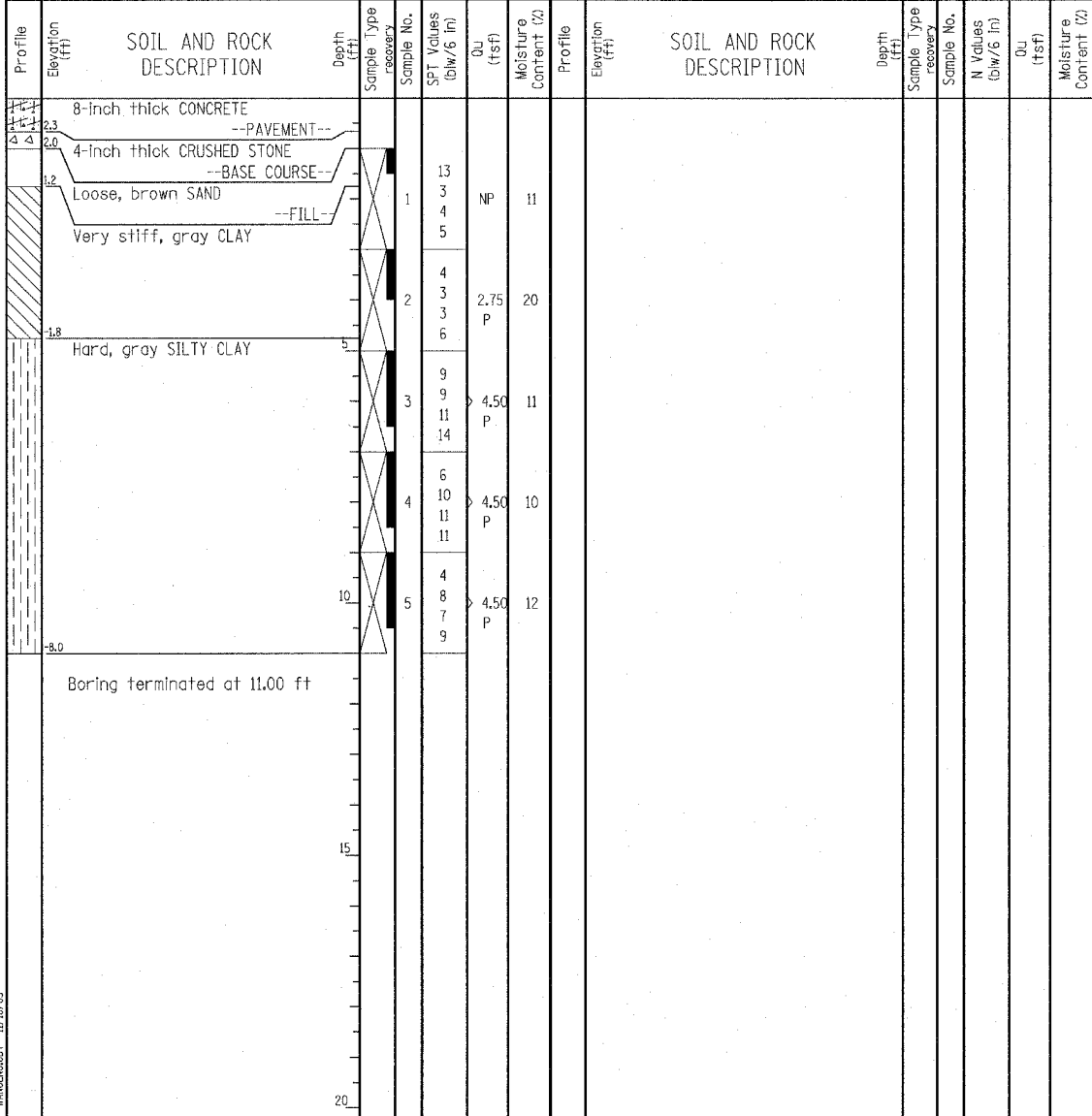
Client: T. Y. LIN International, Inc.
 Project: Dan Ryan Contracts 62304 (20) and 62593 (23)
 Location: City of Chicago, Cook County, Illinois

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BORING LOG P-078
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 1.44 ft
 North: 1842984.04 ft
 East: 1177792.77 ft
 Station: 2216+17
 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



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.					

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				
				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

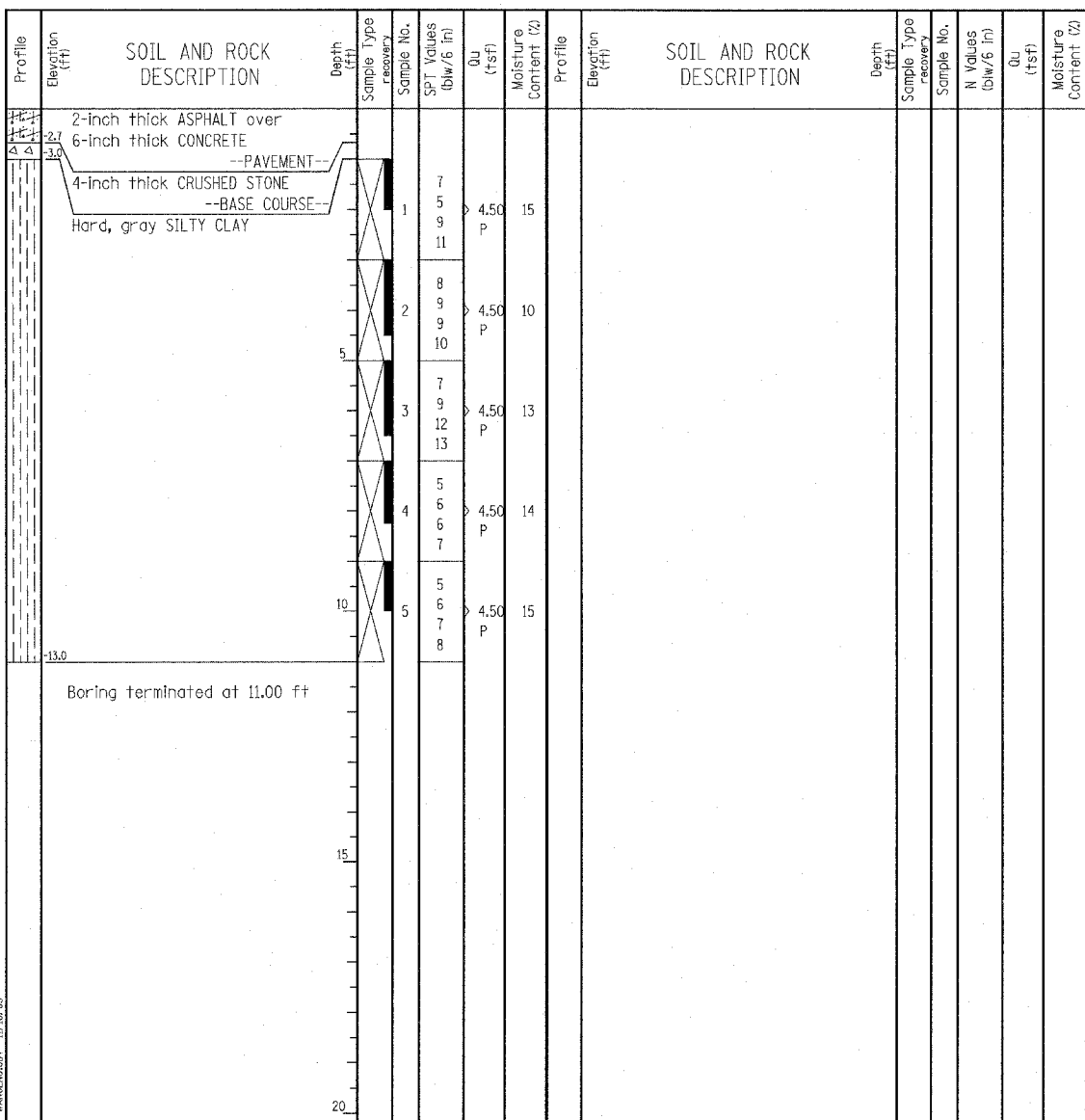
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS P-077 & P-078

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

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BORING LOG P-079 Page 1 of 1
 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

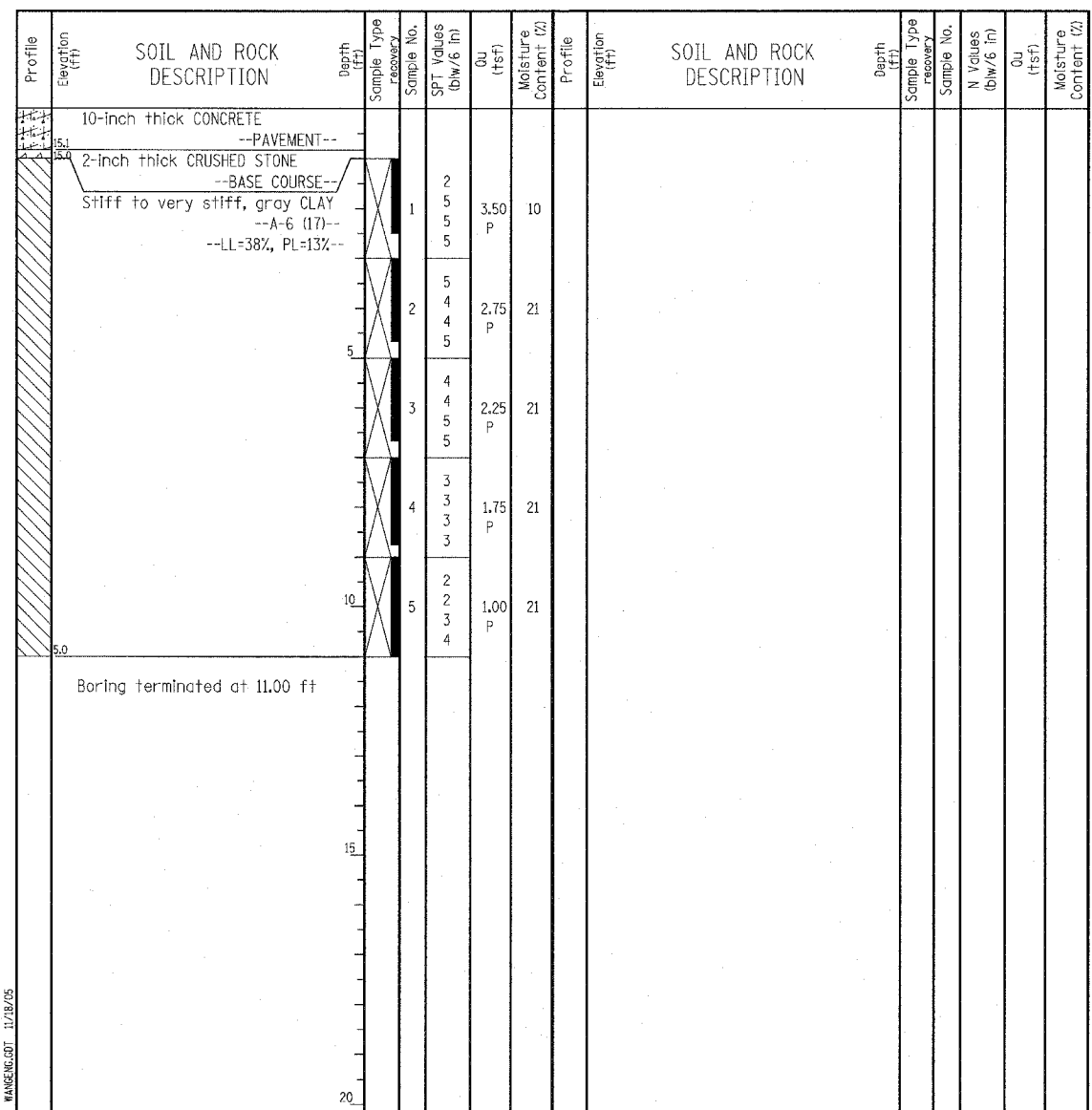


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-08-2003	Complete Drilling	10-08-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&B	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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BORING LOG P-080 Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 15.95 ft
 North: 1840918.10 ft
 East: 1177784.76 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



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		
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-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 Page 1 of 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

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BORING LOG AIS5-2 Page 1 of 1

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 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 (%)
5.9	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, 5, 7	1.25	18								
				6	4, 5, 5, 6	1.00	18								
-5.6	Boring terminated at 12.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
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.

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. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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 Lombard, IL 60148
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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

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 (%)
6.8	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	4.50									
		19		5											
		19		6											
		20		7											
		20		5	3.25										
		20		5											
		20		5											
		10		4	7	4.50									
0.0	Medium dense to dense, gray SILT														
		10		4	10										
		14		8											
		13		7											
		13		8											
		13		8											
		11		5											
		11		9											
		11		13											
		11		16											
		11		18											
4.5	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			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 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 (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 (%)
6.3	9-inch thick, black LOAM --TOPSOIL--														
	Dense, gray SILTY LOAM	5		1	5										
		7		5	4.50		13								
		25		7											
		16		2	4	4.00									
		16		6											
		19		7											
		19		5											
		12		4	5	4.50									
		12		6											
		12		9											
		12		9											
		12		9											
		12		7											
		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			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 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 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 (%)
14.2	14-inch thick, ASPHALT --PAVEMENT--														
12.7	5-inch thick, CRUSHED STONE --BASE COURSE--	1		5	4.50		12								
	Hard, gray SILTY CLAY	6		6											
		2		6	4.50		13								
		5		4	4.50		15								
		4		7		4.25	16								
6.7	Dense, gray SILT	5		6			12								
		6		12			12								
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: 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 (%)
14.2	14-inch thick, ASPHALT --PAVEMENT--														
12.3	4-inch thick, CRUSHED STONE --BASE COURSE--	1		2	4.50		15								
	Hard, gray SILTY CLAY to SILTY CLAY LOAM	2		12		4.50	12								
	--A-4 (2)-- --LL=22%, PL=15%--	8		8											
		5		5		4.25	12								
		4		4		4.50	14								
5.2	Medium dense, gray SILT	4		8			11								
6.2	Hard, gray CLAY, trace gravel	7		8		4.50	13								
7.7	Medium dense, gray SILT	10		10											
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

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BORING LOG SP-03
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 4.22 ft
 North: 1839361.48 ft
 East: 1173348.55 ft
 Station: 198454
 Offset: 44' 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-04
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.52 ft
 North: 1839377.86 ft
 East: 1173947.13 ft
 Station: 204452
 Offset: 46' 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 (%)
5.1	13-inch thick, CONCRETE --PAVEMENT--														
2.5	9-inch thick, CRUSHED STONE --BASE COURSE--	1		14	NP	6									
	Hard, gray CLAY, trace gravel	2		10											
		7		7											
		5		6											
		5		5											
		5		5											
3.3	Medium dense, gray SILT to fine SAND	4		4											
		8		8											
		11		11											
4.8	Hard, gray CLAY, trace gravel	5		7											
		7		7											
		9		9											
		10		7											
				6											
				6											
				6											
				8											
7.8	Boring terminated at 12.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
0.4	9-inch thick of CONCRETE over 4-inch thick of ASPHALT --PAVEMENT--														
0.3	9-inch thick, of CRUSHED STONE --BASE COURSE--	1		37	NP	6									
	Hard, gray CLAY, trace gravel	2		11											
		11		10											
		11		11											
2.5	Medium dense, brown, fine SAND	3		10											
		5		8											
		5		6											
		5		6											
4.5	Hard, gray CLAY, trace gravel	4		7											
		4		4											
		6		6											
		7		7											
		10		7											
		10		10											
				6											
				7											
				10											
				10											
				12											
10.5	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.

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-03 & SP-04

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

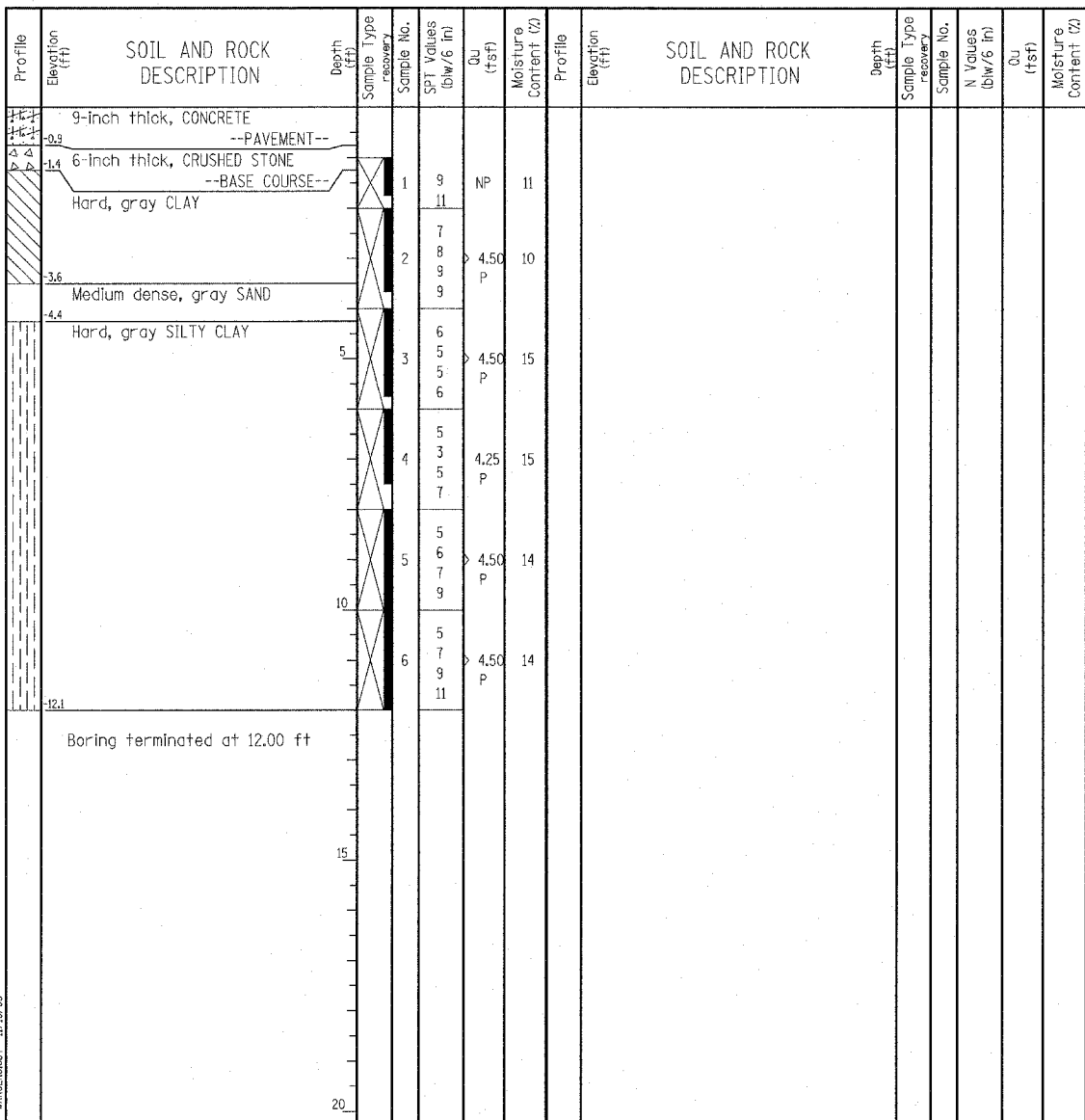
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BORING LOG SP-05 Page 1 of 1

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.							

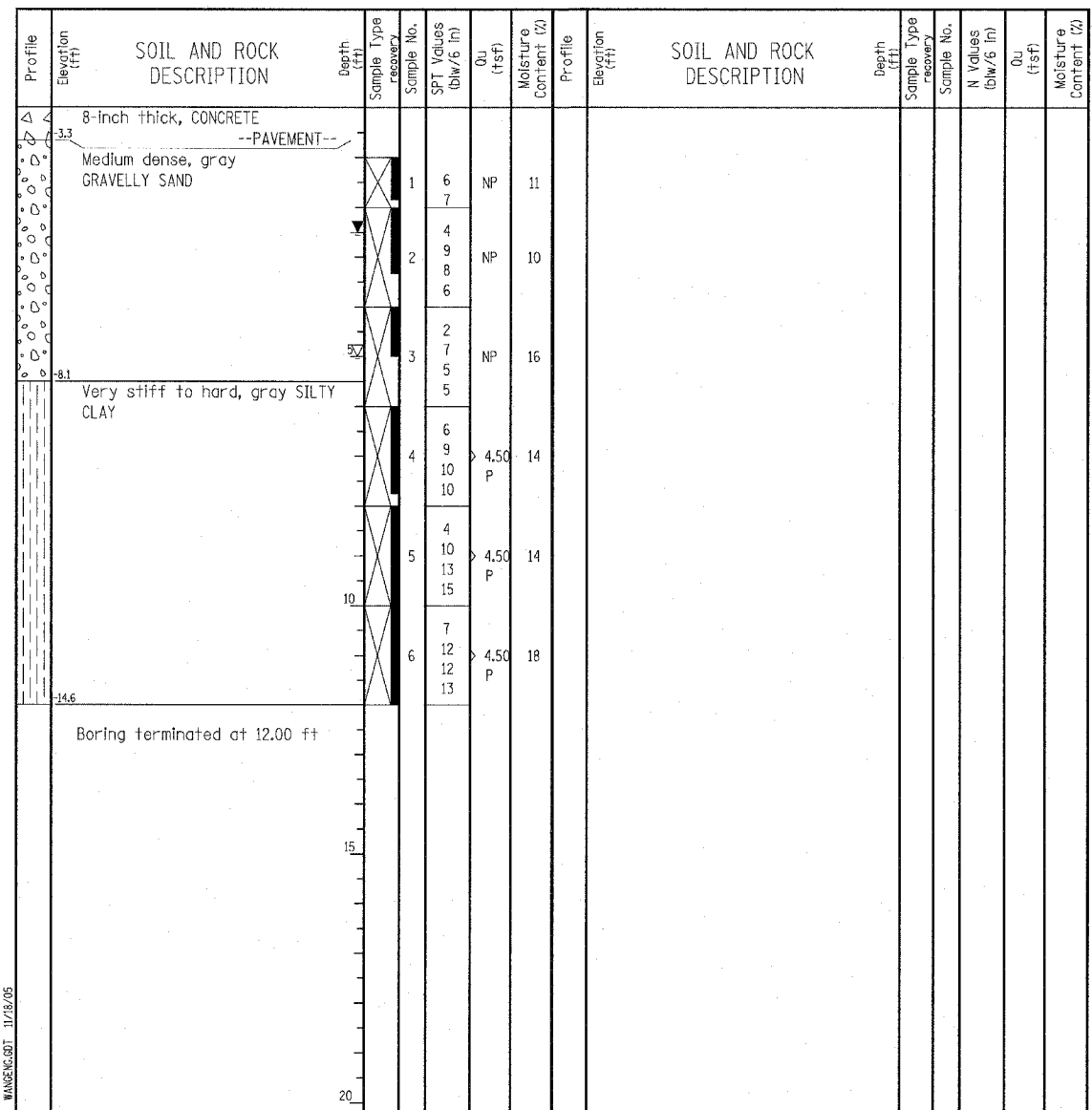
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BORING LOG SP-06 Page 1 of 1

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.							

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-05 & SP-06

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

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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

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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	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-1.4	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	X	7											
		10	X	9	4.50		14								
		7	X	7											
		7	X	7											
		5	X	3	4.50		14								
		6	X	6											
		6	X	6											
-3.9	Medium dense, gray SILT to SILTY LOAM	4	X	6	4.50		12								
		10	X	10											
		14	X	14											
		4	X	10	NP		12								
		13	X	13											
-12.6	Hard, gray CLAY, trace gravel	10	X	8	4.50		12								
		12	X	12											
		13	X	13											
-14.6	Boring terminated at 12.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
-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	X	4											
		6	X	6	4.50		11								
		9	X	9											
		10	X	10											
		5	X	3	4.50		12								
		7	X	7											
		9	X	9											
		4	X	6	4.50		13								
		7	X	7											
		7	X	7											
		6	X	7	4.50		12								
		8	X	8											
		10	X	10											
		7	X	7	4.50		12								
		9	X	9											
		10	X	10											
		13	X	13											
-13.5	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		
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	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		
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 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 (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 (%)
1.6	8-inch thick, CONCRETE --PAVEMENT--												
0.8	9-inch thick, CRUSHED STONE --BASE COURSE--		1	25 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							
			5	6 7 6 7		4.25 P							
			6	7 6 9 9		4.50 P							
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 (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 (%)
3.5	6-inch thick, black CLAY LOAM --TOPSOIL--												
	Stiff to very stiff, gray SILTY CLAY LOAM		1	3 5 7 6		4.50 P							
	--A-4 (S)-- --LL=27%, PL=18%--		2	6 7 7 6		3.75 P							
			3	6 3 3 3		1.75 P							
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							
			6	11 14 12 12		4.50 P							
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

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

Datum: CCD
 Elevation: 5.57 ft
 North: 1839428.14 ft
 East: 1176532.16 ft
 Station: 405+75
 Offset: 35' 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 (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 (%)
4.6	12-inch thick, black LOAM --TOPSOIL--	4	1	4	NP	9							
	Very stiff, gray CLAY, trace gravel	4-6											
		6-10	2	20		15							
		10-11			3.25 P								
	Very soft to medium stiff, gray CLAY	11-15	3	5		19							
		15-19			0.50 P								
		19-21	4	5		21							
		21-22			0.25 P								
	Very stiff to hard, gray CLAY, trace gravel	22-34	5	2		14							
		34-10			4.00 P								
		10-13	6	3		13							
		13-17			4.00 P								
	Boring terminated at 12.00 ft	17-20											

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

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BORING LOG SP-12
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 5.33 ft
 North: 1839524.55 ft
 East: 1176833.19 ft
 Station: 408+90
 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

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	10-inch thick, CONCRETE --PAVEMENT--	4											
4.5	14-inch thick, CRUSHED STONE --BASE COURSE--	4-5											
	Very loose to dense, brown and green, medium to coarse SAND	5-7	1	5		6							
		7-14				38							
		14-17	2	19		22							
		17-22				22							
		22-24	3	8		24							
		24-24				24							
	Very stiff, gray SILTY CLAY	24-34	4	5		14							
		34-10				14							
		10-15	5	2		15							
		15-15				15							
		15-15	6	3		15							
		15-15				15							
	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. Sugarto	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

Wang Engineering, INC.
 Consulting Geotechnical and Environmental Engineers
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 1145 Main Street
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 Fax: 630 953-9938

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 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 (%)
7.54	8-inch thick, CONCRETE --PAVEMENT--												
	Medium dense to very dense, brown and green coarse SAND	1	1	37	NP	29							
		2	2	40	NP	33							
1.6	Very soft, brown SILTY CLAY LOAM --A-4 (5)-- --LL=26%, PL=17%--	3	3	10	K 0.25 P	21							
		4	4	0	K 0.25 P	21							
1.9	Very stiff, brown CLAY	5	5	2	3.00 P	13							
		6	6	7	3.00 P	19							
		7	7	13									
		8	8	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 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 (%)
4.3	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 P	22							
	Very soft to hard, brown CLAY, with sand lenses	4	4	4	K 0.25 P	22							
		5	5	0	2.00 P	17							
		6	6	6	4.50 P	13							
-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

Page 1 of 1

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

Page 1 of 1

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	1	4.50	15								
				2	5	3.00	27								
				3	5	4.00	17								
				4	8	4.50	12								
				5	7	4.50	11								
				6	9	4.50	12								
-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 (%)
2.3	10-inch thick, CONCRETE --PAVEMENT-- Medium dense, gray fine to medium SAND			1	8	NP	13								
				2	9	NP	16								
				3	7	NP	14								
				4	3	NP	20								
-10.5	Very stiff, gray SILTY CLAY			5	4	4.50	13								
				6	4	3.00	14								
-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		
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 gradate.							

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		
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 gradate.							

LEGEND

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

TYLIN INTERNATIONAL

REVISIONS	
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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

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 (%)
4.4	10-inch thick, CONCRETE														
4.6	--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	3											
5.7	Stiff to very stiff, gray SILTY CLAY LOAM	4	3	3		3.00	14								
		5	2	3											
		6	4	4		1.50	15								
		7	1	2											
		8	2	4		2.50	14								
		9	4	4											
		10	4	6		1.50	15								
		11	6	10											
15.7	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. Suglaro	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-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

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 (%)
4.4	10-inch thick, CONCRETE														
4.6	--PAVEMENT--														
	14-inch thick CRUSHED STONE	1	8	13	NP	3									
	--BASE COURSE--	2	5	5											
	Very stiff to hard, gray SILTY CLAY	3	5	5		4.50	12								
		4	4	4		3.50	16								
		5	5	5		4.00	16								
		6	4	6											
		7	6	7		4.50	13								
		8	7	10											
		9	6	11		3.50	14								
		10	11	17											
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. Suglaro	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-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

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

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-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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	2-inch thick ASPHALT over 15-inch thick CONCRETE --PAVEMENT--														
	Stiff to hard, gray CLAY, trace gravel	1		3	1.00	P	14								
				2	2										
				3	3	4.00	P	16							
				2	2										
				8	14										
-3.8	Medium dense, gray SILT	5		11	11	> 4.50 P	14								
	Very stiff to hard, gray CLAY, trace gravel	6		10	7										
				10	8										
				8	7	> 4.50 P	13								
				8	8										
				9	7										
				7	6	> 4.50 P	13								
				6	7										
				9	5										
				5	5	2.00	P	14							
				5	6										
				10	6										
	Boring terminated at 12.00 ft	15													

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 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	10	1.00	20								
		5	X	3	2	0.50	20								
		4	X	1	1	0.25	23								
		5	X	1	0	0.25	22								
0.1	Medium stiff, gray SILTY CLAY	6	X	1	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	10	1.25	20								
		5	X	3	3	0.25	22								
		4	X	1	1	0.25	22								
		5	X	1	1	0.25	22								
		6	X	1	1	0.25	21								
0.7	Very stiff, gray CLAY, trace gravel	7	X	2	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-26
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 16.80 ft
 North: 1840979.31 ft
 East: 1177839.99 ft
 Station: 25141
 Offset: 3' 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.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
16.80	10-inch thick, CONCRETE --PAVEMENT--												
16.60	2-inch thick, CRUSHED STONE --BASE COURSE--												
16.50	Soft to very stiff, gray SILTY CLAY --A-6 (14)-- --LL=36%, PL=20%--	1	4	3.00	4								
		2	6	2.50	22								
		3	4	2.25	20								
		4	2	1.50	21								
		5	2	0.50	21								
		6	1	0.25	22								
		7	5	1.00	20								
12.8	Boring terminated at 14.00 ft	15											

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.							

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BORING LOG SP-27
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 8.81 ft
 North: 1841303.03 ft
 East: 1177897.30 ft
 Station: 2045+12
 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 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 (%)
8.81	6-Inch thick, black LOAM --TOPSOIL--												
	Stiff to hard, gray SILTY CLAY	1	3	4.50	14								
		2	7	4.50	14								
		3	6	1.50	19								
2.8	Very soft, gray SILTY CLAY	4	1	0.25	22								
		5	1	0.25	22								
		6	1	3.00	12								
-2.7	Very stiff, gray SILTY CLAY												
-3.2	Boring terminated at 12.00 ft	15											

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

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-26 & SP-27

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 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

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 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 (%)
-3.2	12-inch thick, ASPHALT --PAVEMENT--														
	18-inch thick, CRUSHED STONE --BASE COURSE--	1	X	4	NP	2									
		5	X	5	NP	2									
-4.7	Loose, white SANDY GRAVEL --FILL--	2	X	15	NP	3									
		3	X	3	NP	3									
		2	X	2	NP	3									
		2	X	2	NP	3									
		5	X	11	NP	2									
		3	X	3	NP	2									
		1	X	1	NP	2									
		1	X	1	NP	2									
-8.2	Very dense, white SANDY GRAVEL --FILL--	4	X	20	NP	3									
		5	X	48	NP	4									
		5	X	50	NP	4									
		5	X	45	NP	4									
		5	X	33	NP	4									
-12.2	Hard, gray SILTY CLAY	6	X	28	> 4.50	16									
		6	X	6	> 4.50	16									
		9	X	9	> 4.50	16									
-14.2	Boring terminated at 12.00 ft	7	X	10	> 4.50	13									
		7	X	13	> 4.50	13									

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									
		1	X	50	NP	31									
		1	X	41	NP	31									
		2	X	21	NP	35									
		2	X	36	NP	35									
		2	X	20	NP	35									
		2	X	27	NP	35									
-4.1	Very stiff to hard, gray SILTY CLAY	3	X	3	> 4.50	12									
		3	X	5	> 4.50	12									
		3	X	7	> 4.50	12									
		3	X	8	> 4.50	12									
		5	X	7	> 4.50	12									
		5	X	8	> 4.50	12									
		5	X	9	> 4.50	12									
		5	X	8	> 4.50	12									
		10	X	8	> 4.50	12									
		10	X	9	> 4.50	12									
		10	X	9	> 4.50	12									
		10	X	8	> 4.50	12									
		10	X	5	3.00	16									
		10	X	6	3.00	16									
		10	X	5	3.00	16									
-12.1	Boring terminated at 12.00 ft	6	X	8	3.00	16									
		6	X	5	3.00	16									

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	

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	

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

<p>Wang Engineering, INC. Consulting Geotechnical and Environmental Engineers</p> <p>wangeng3@wangeng.com 1145 Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938</p>	<h2>BORING LOG SP-47</h2> <p>WEI Job No.: 414-07-01</p> <p>Datum: CCD Elevation: -7.95 ft North: 1839874.54 ft East: 1177249.65 ft Station: 335+99 Offset: 16' LT</p>	<p>Page 1 of 1</p>
	<p>Client T. Y. LIN International, Inc.</p> <p>Project Dan Ryan Contracts 62304 (20) and 62593 (23)</p> <p>Location City of Chicago, Cook County, Illinois</p>	

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 (%)
-7.8	10-inch thick, CONCRETE							-7.8							
	--PAVEMENT--														
	2-inch thick, CRUSHED STONE														
	--BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY LOAM	1	X	8	2.00	16				9	X	4	5.58	12	
		2	X	6						8	X	8			
		2	X	2						9	X	9			
		5	X	10	2.46	15				10	X	5	5.74	14	
		4	X	4						10	X	5			
		4	X	4						10	X	5			
		5	X	4						10	X	5			
	--A-4 (2)-- --LL=22%, PL=16%--	3	X	3	2.05	18									
		3	X	3											
		3	X	5											
		4	X	13	8.94	11									
		4	X	11											
		4	X	13											
		10	X	13											
		10	X	13											
	Hard, gray SILTY CLAY	5	X	6	11.56	11									
		5	X	10											
		5	X	15											
		6	X	7	11.32	12									
		6	X	10											
		6	X	11											
		7	X	6	7.38	13									
		7	X	7											
		7	X	8											
		8	X	5	5.82	13									
		8	X	5											
		8	X	9											

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

<p>Wang Engineering, INC. Consulting Geotechnical and Environmental Engineers</p> <p>wangeng3@wangeng.com 1145 Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938</p>	<h2>BORING LOG SP-48</h2> <p>WEI Job No.: 414-07-01</p> <p>Datum: CCD Elevation: -14.64 ft North: 1839879.51 ft East: 1177556.85 ft Station: 332+85 Offset: 20' LT</p>	<p>Page 1 of 1</p>
	<p>Client T. Y. LIN International, Inc.</p> <p>Project Dan Ryan Contracts 62304 (20) and 62593 (23)</p> <p>Location City of Chicago, Cook County, Illinois</p>	

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 (%)
-15.6	10-inch thick CONCRETE							-15.6							
	--PAVEMENT--														
	2-inch thick CRUSHED STONE														
	--BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY	1	X	4	2.50	11				12	X	7	4.50	12	
		1	X	4						12	X	7			
		2	X	7	4.50	12				13	X	6	4.50	13	
		2	X	8						13	X	7			
		2	X	8						13	X	7			
		3	X	6	4.50	13				12	X	9	4.50	12	
		3	X	12						12	X	12			
		3	X	12						12	X	13			
		4	X	12						11	X	14	4.50	11	
		4	X	12						11	X	12			
		4	X	13						11	X	12			
		5	X	9	4.50	12				12	X	9	4.50	12	
		5	X	14						12	X	12			
		5	X	12						12	X	12			
		5	X	14						12	X	14			
		6	X	9	4.50	12				12	X	12			
		6	X	12						12	X	14			
		6	X	12						12	X	14			

GENERAL NOTES Begin Drilling 09-08-2005 Complete Drilling 09-08-2005 Drilling Contractor Precon Drilling Drill Rig CME 75 TMR Driller J&L Logger S. Sugiarto Checked by MLS Drilling Method 3.25" ID, HSA; Boring backfilled with bentonite upon completion		WATER LEVEL DATA While Drilling <input checked="" type="checkbox"/> DRY At Completion of Drilling <input checked="" type="checkbox"/> DRY Time After Drilling NA Depth to Water <input checked="" type="checkbox"/> NA <small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>	
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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 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 (%)
16.0	9-inch thick, ASPHALT --PAVEMENT--	0											
15.7	3-inch thick, CRUSHED STONE --BASE COURSE--	1	8	4.50		11							
15.4	Hard, gray SILTY CLAY	14	10	4.50		11							
		10											
		5	14	4.50		11							
		12											
		9											
		8	8	4.50		12							
		6											
		5	8	4.50		12							
		8											
		9											
		10											
		7	9	4.50		13							
		8											
		7											
27.2	Boring terminated at 12.00 ft	12.00											

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	Checked by	MLS	Depth to Water	▽	NA	

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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 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 (%)
24.9	10-inch thick, CONCRETE --PAVEMENT--	0											
24.7	2-inch thick, CRUSHED STONE --BASE COURSE--	1	4	--	14								
	Very stiff to hard, gray CLAY	8											
		4	7	4.50		15							
		10											
		5	14	4.50		15							
		7											
		8											
		5	5	0.50		20							
		1											
		3	5	4.00		21							
		4											
		5											
		10											
		3	3	3.00		28							
		4											
		6											
13.7	Boring terminated at 12.00 ft	12.00											

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	Checked by	MLS	Depth to Water	▽	NA	

LEGEND

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

TYLIN INTERNATIONAL

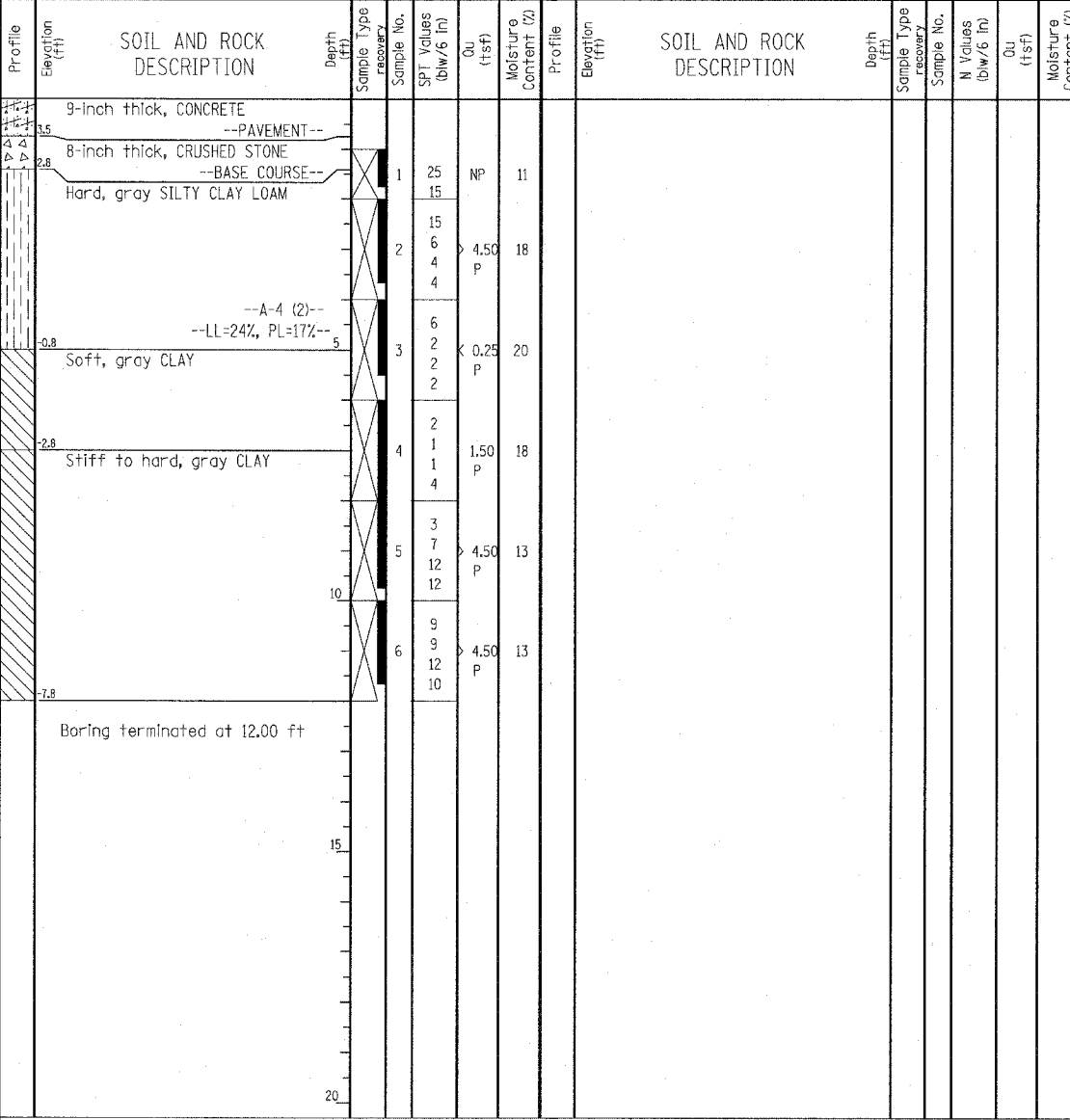
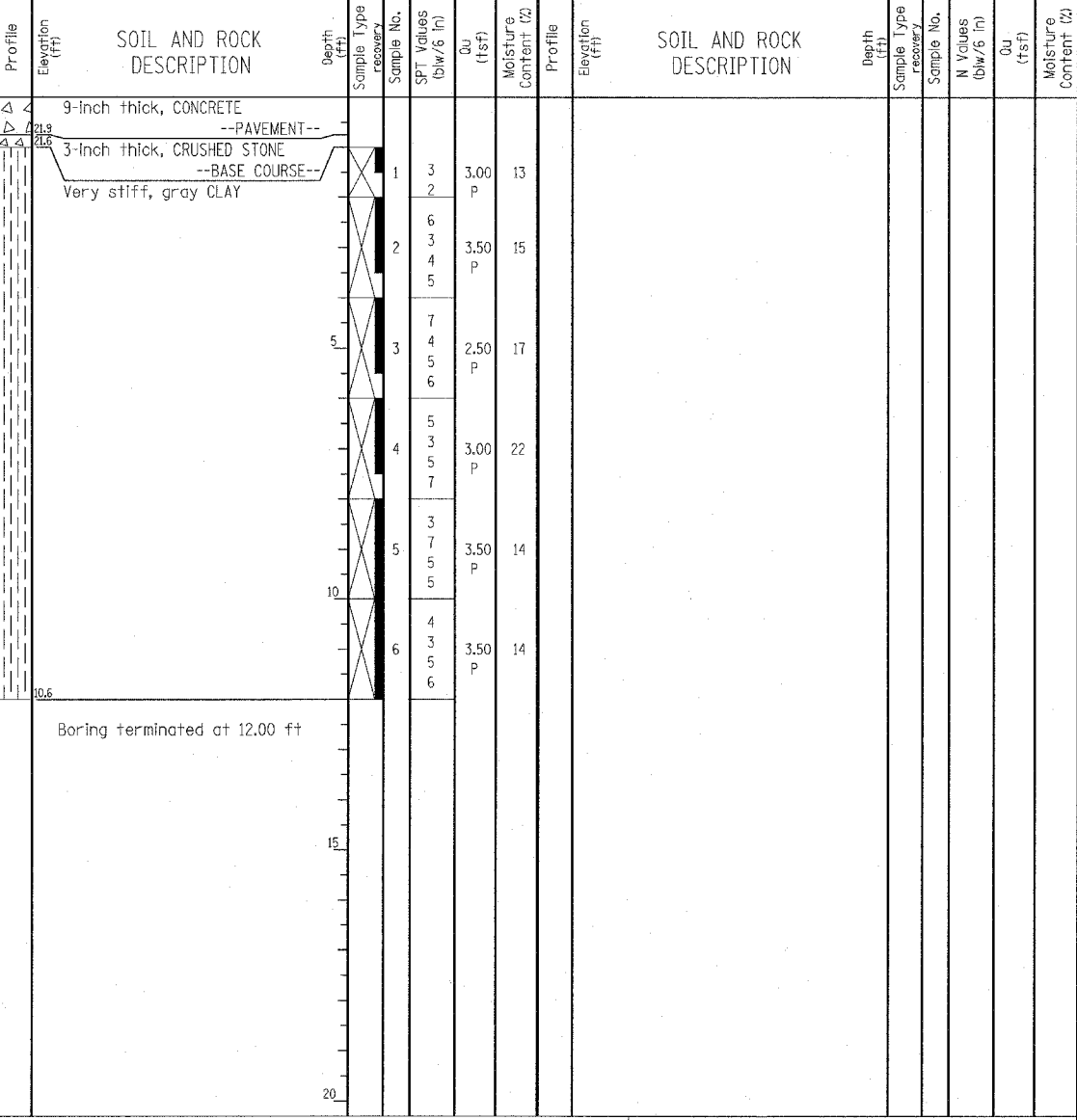
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SP-49 & SP-50

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 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		
	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	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		
	Page 1 of 1		



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	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.							

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. Jcobb	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.							

WANGENG 46701.C00.C23.P1 WANGENG.D0T 11/18/05

WANGENG 46701.C00.C23.P1 WANGENG.D0T 11/18/05

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

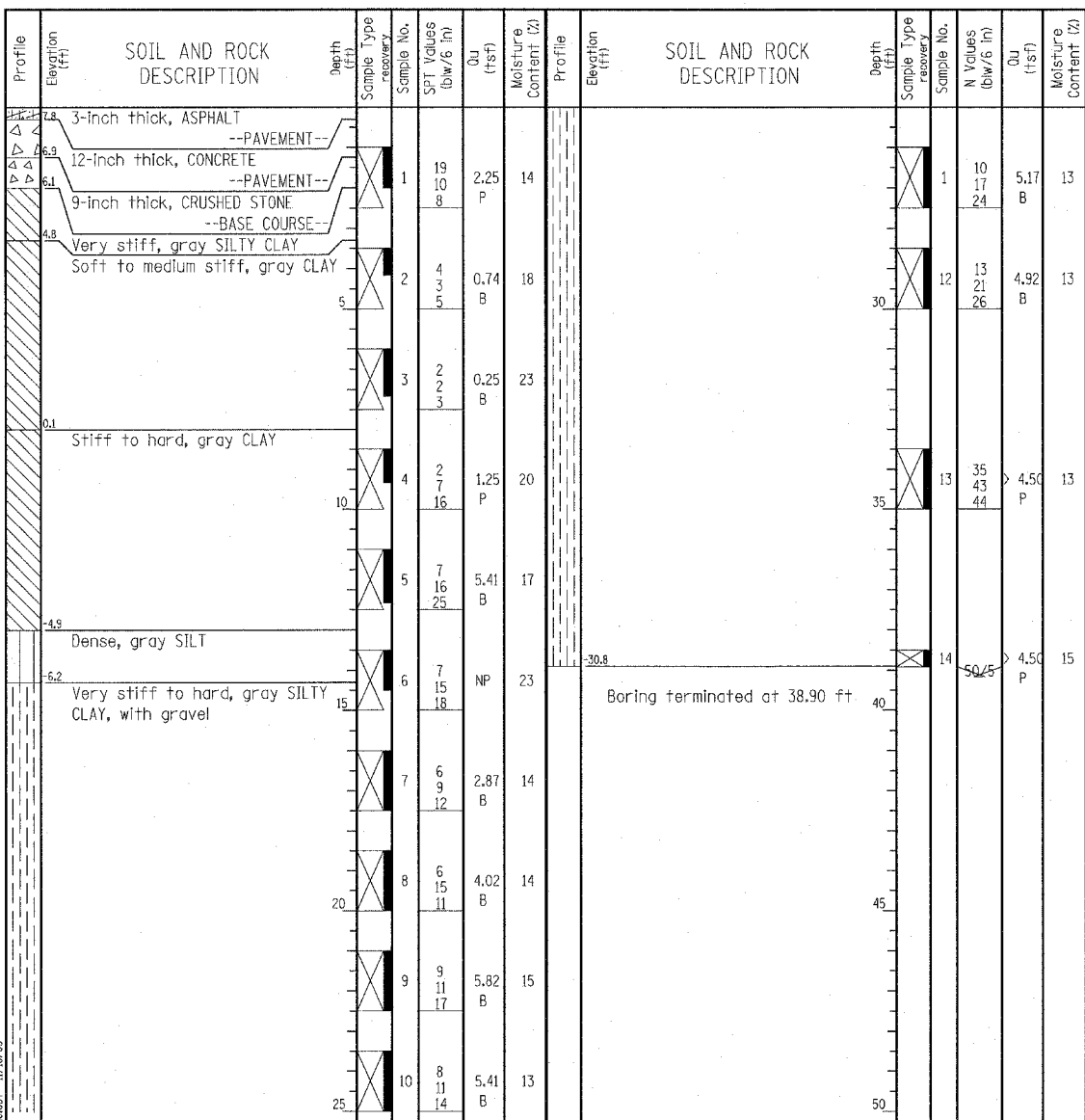
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 01-01 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: 8.15 ft
 North: 1842967.57 ft
 East: 1177888.51 ft
 Station: 2215+98.1
 Offset: 94.868' RT



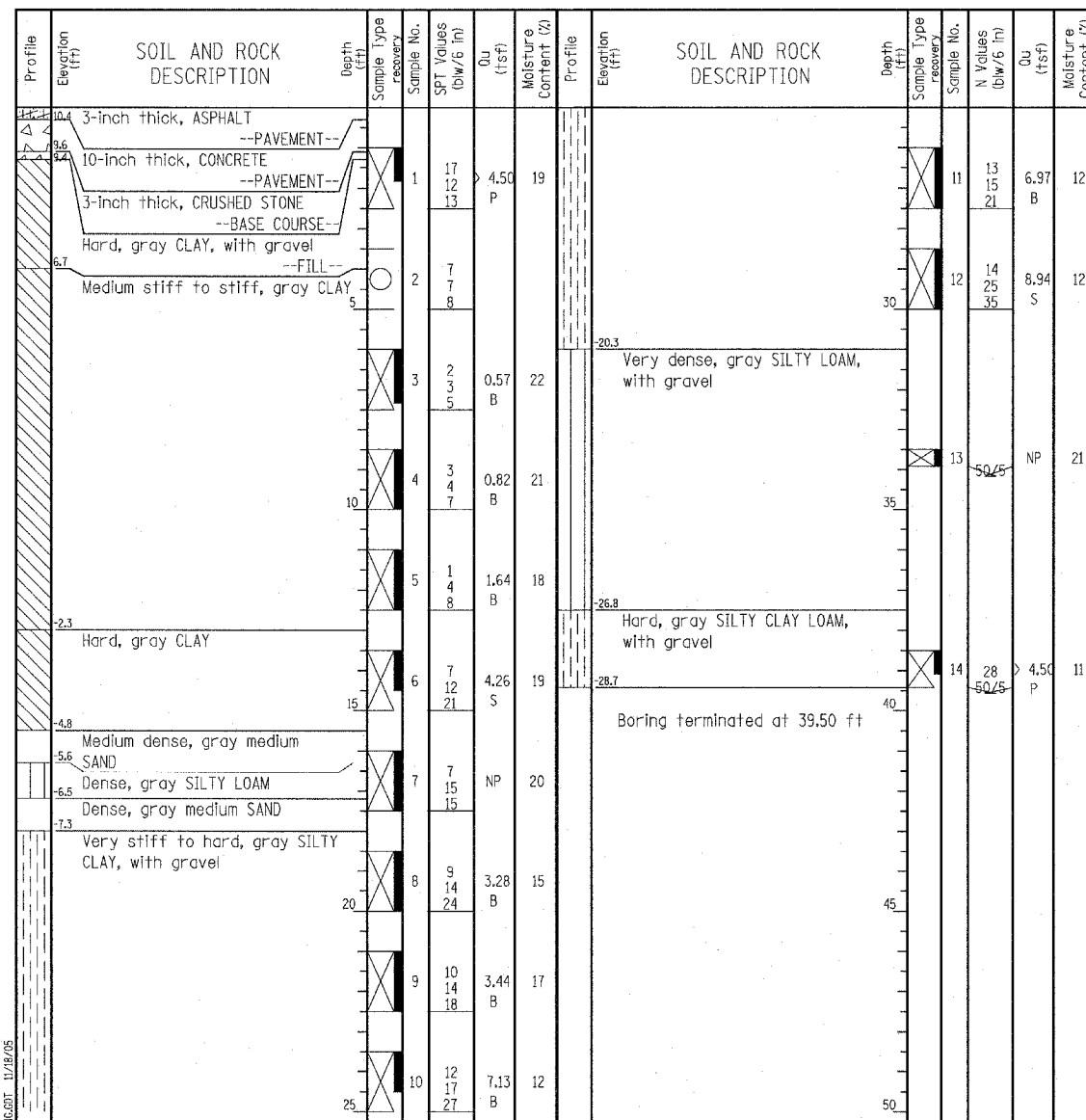
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2004	Complete Drilling	02-02-2004	While Drilling	☑	DRY	
Drilling Contractor	DLZ Drilling	Drill Rig	Mobile B-59 TMR	At Completion of Drilling	▼	DRY	
Driller	J&J	Logger	S. Janowski	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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BORING LOG SB 01-02 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: 10.69 ft
 North: 1842895.47 ft
 East: 1177894.80 ft
 Station: 2215+25.8
 Offset: 99.093' RT



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

W Wang Engineering, INC.
 Consulting Geotechnical and Environmental Engineers
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 1145 Main Street
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BORING LOG SB 01-03

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

Page 1 of 1

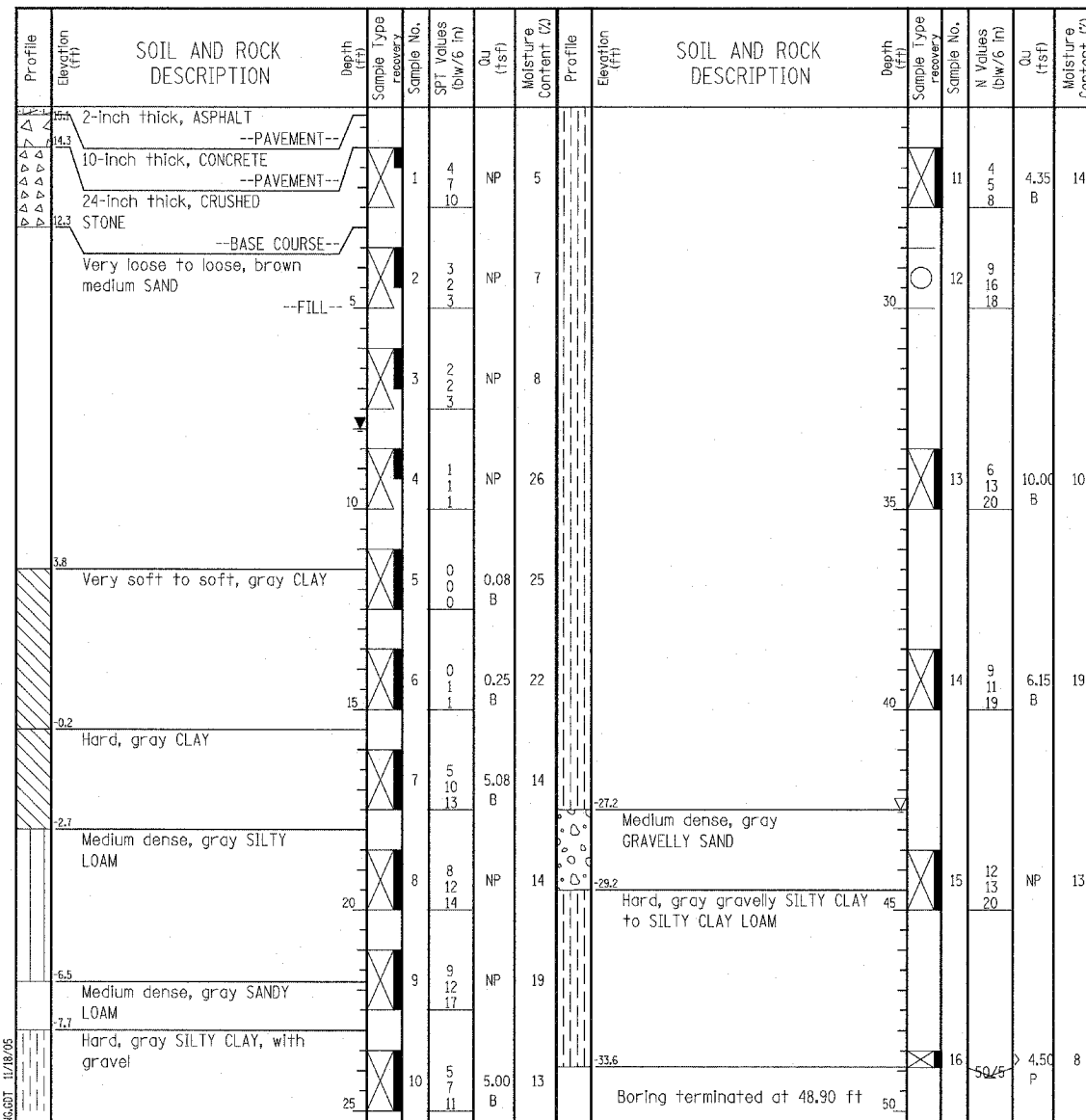
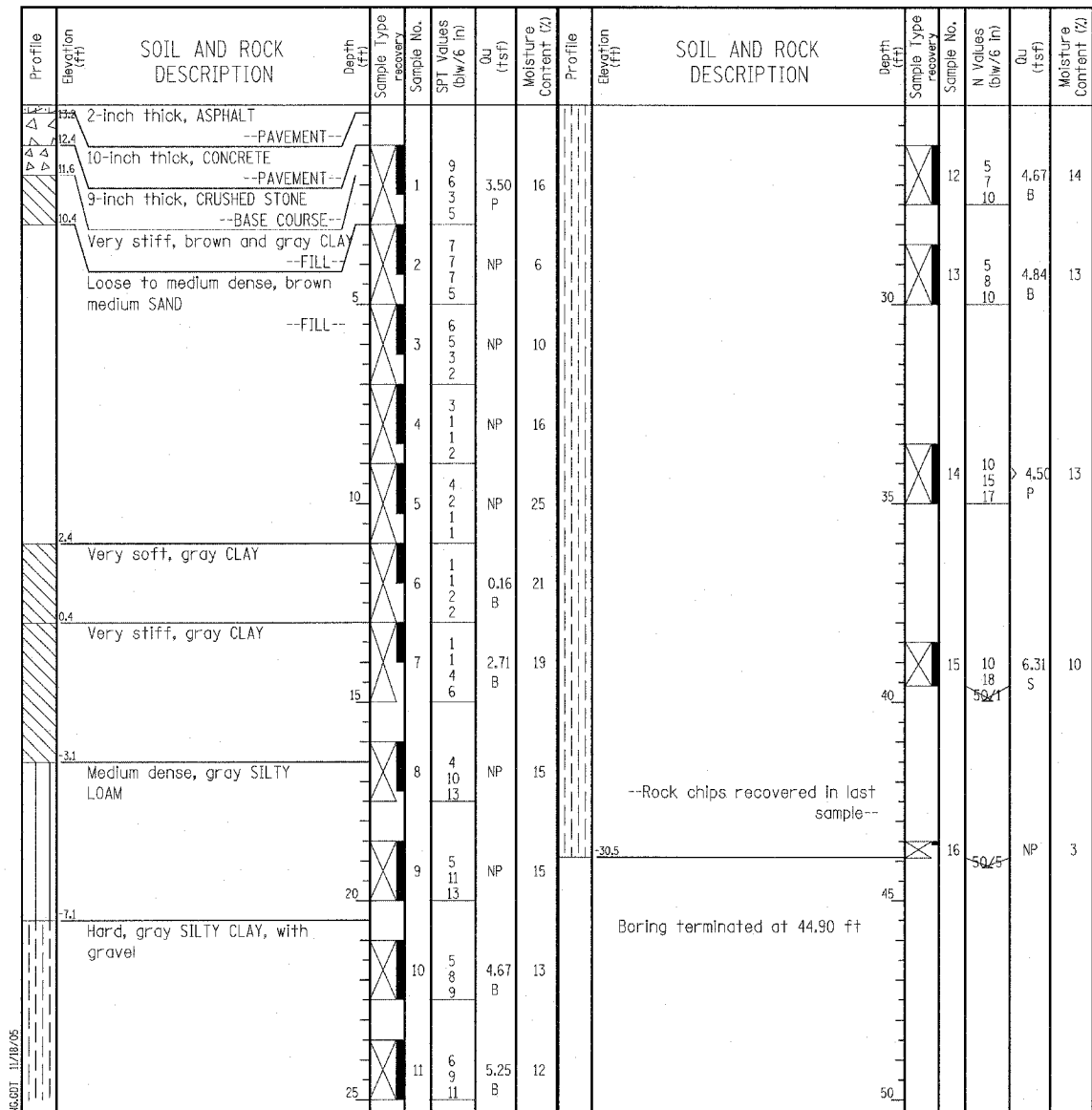
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 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG SB 01-04

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

Page 1 of 1



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	

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

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	

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

LEGEND

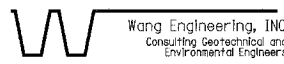
NP NON-PLASTIC
 B BULGE FAILURE
 S SHEAR FAILURE
 P POCKET PENETROMETER

REVISIONS	
NAME	DATE

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

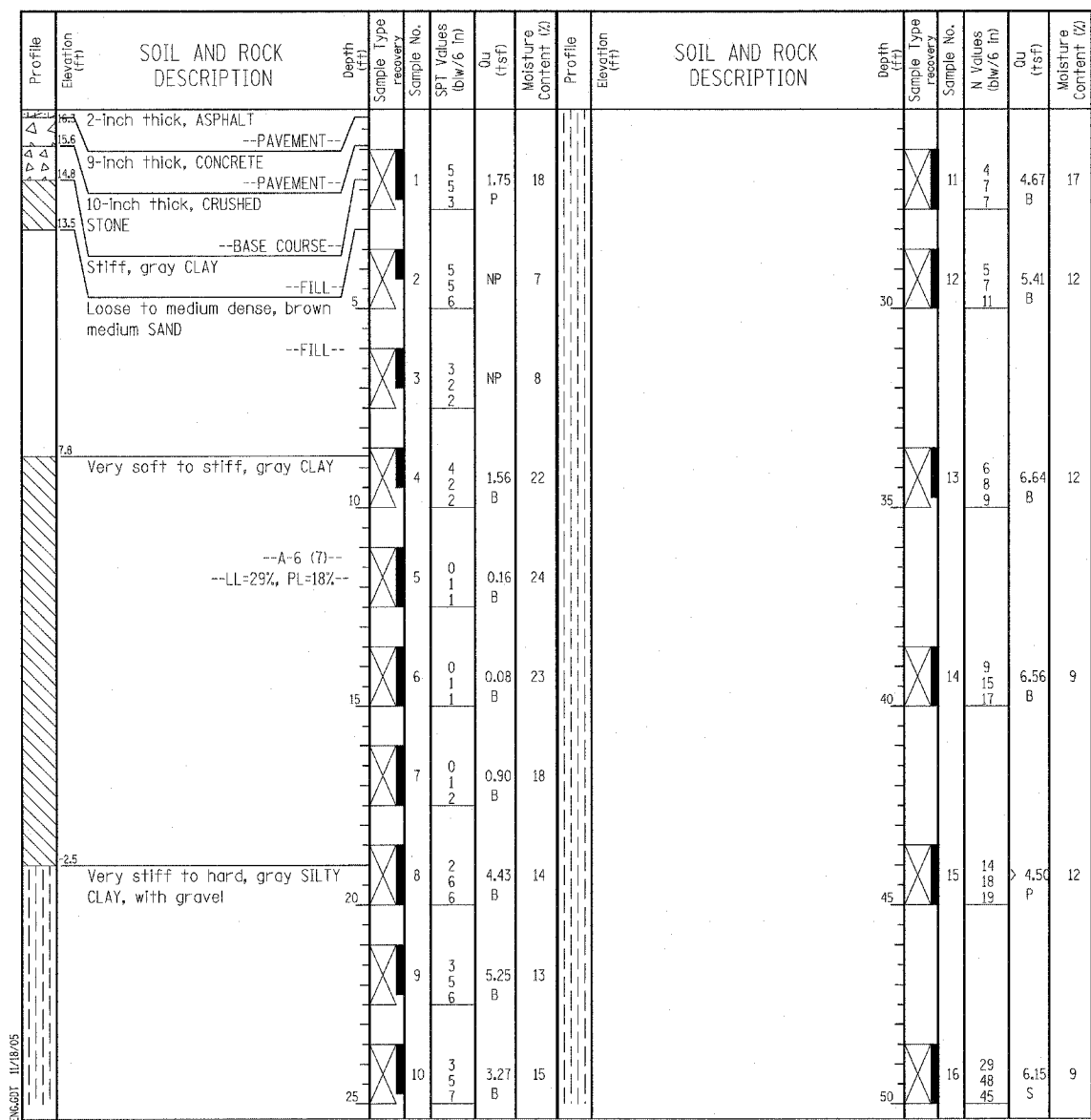
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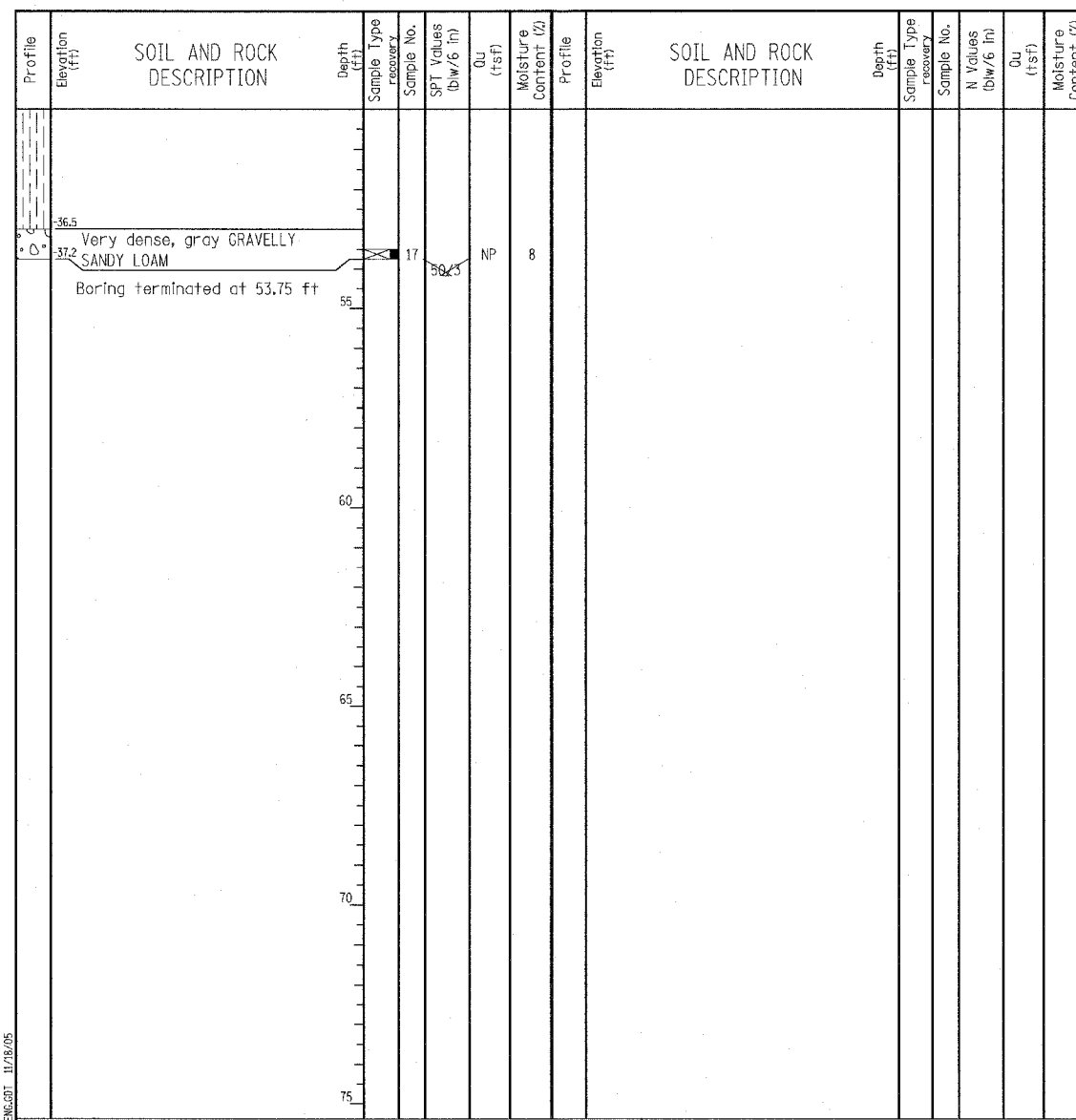
BORING LOG SB 01-05
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

Datum: CCD
 Elevation: 16.54 ft
 North: 1842671.40 ft
 East: 1177902.43 ft
 Station: 2213+01.6
 Offset: 100.307' RT

Page 2 of 2



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		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-21-2004	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		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

LEGEND

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

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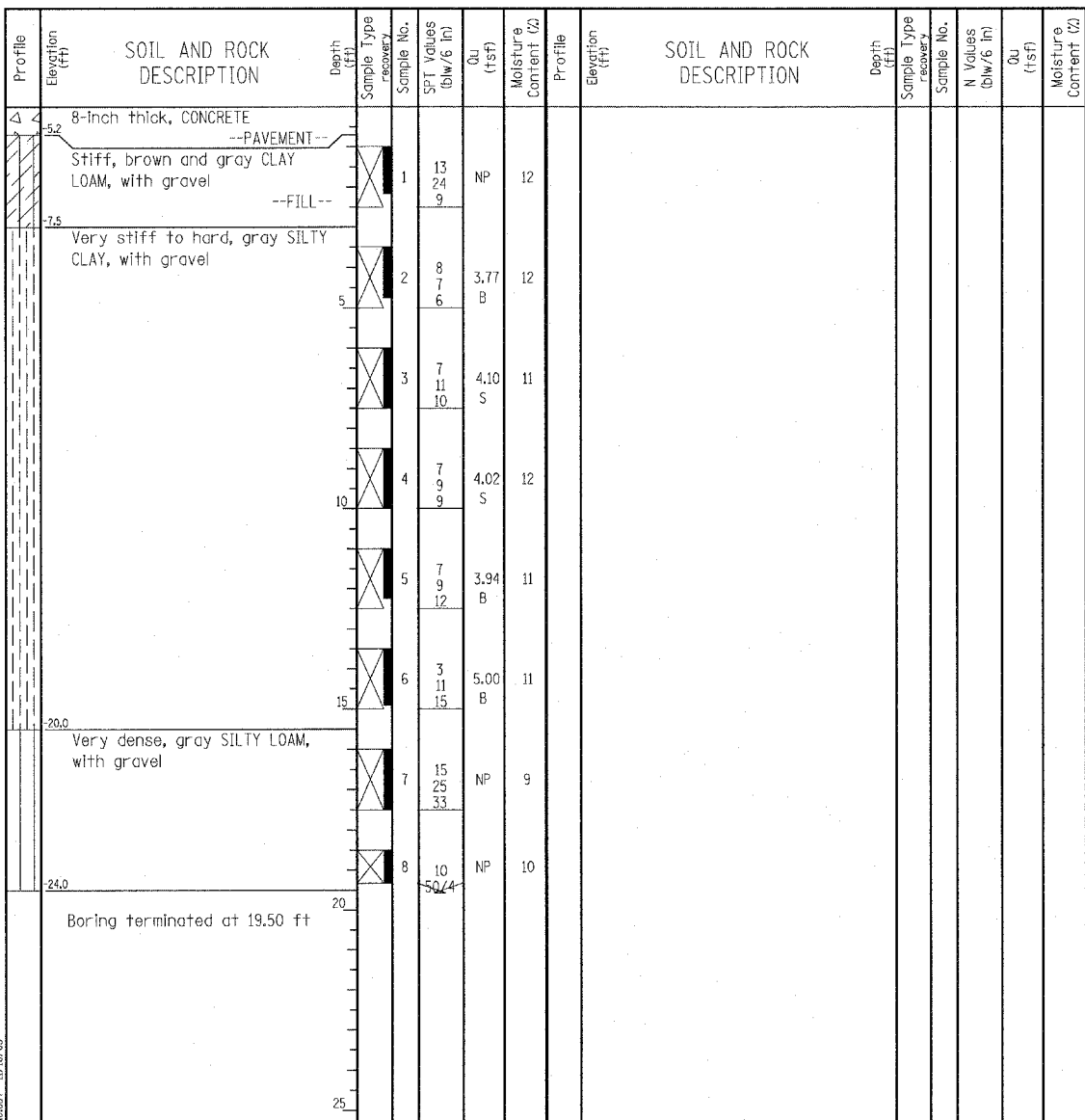
REVISIONS	
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 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS SB 01-05
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BORING LOG SB 02-02
WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan 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



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	J&L	Logger	K. Jacob	Time After Drilling	NA		
Drilling Method	3.25" ID, HSA; Boring backfilled with bentonite upon completion			Depth to Water	▼	NA	

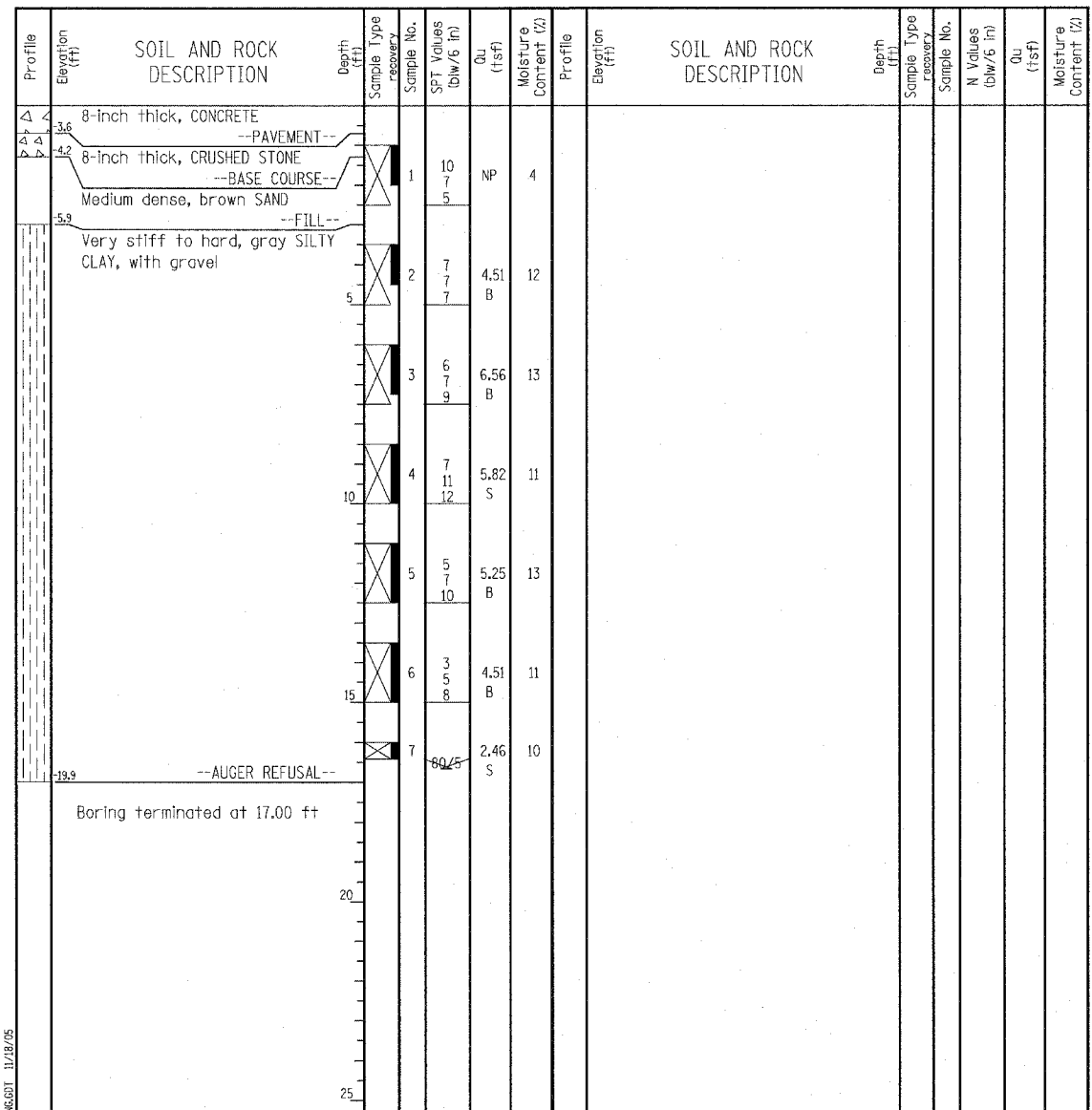
LEGEND

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

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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



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	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	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS SB 02-02 & SB 02-04

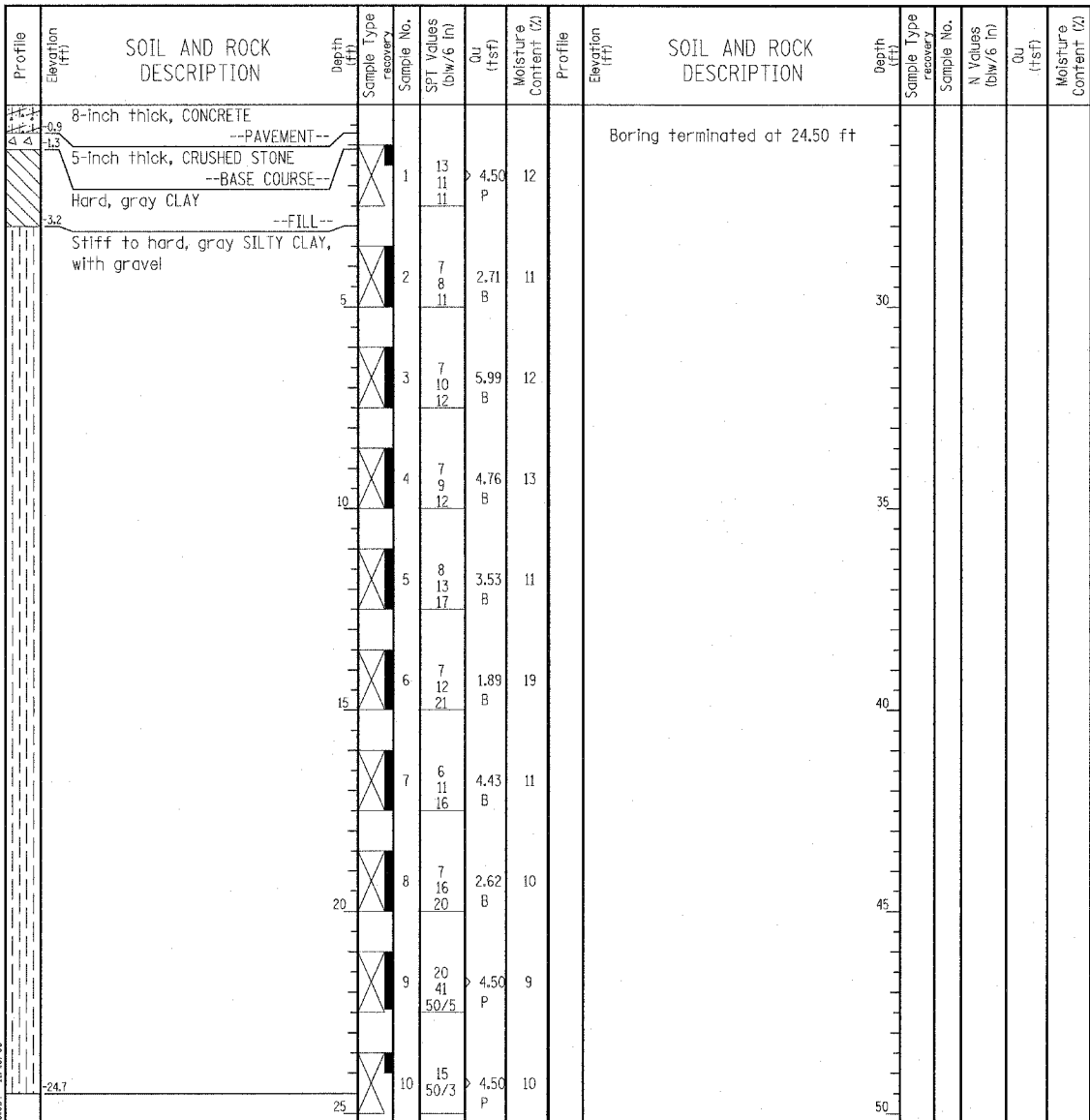
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BORING LOG SB 02-08
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -0.20 ft
 North: 1844042.40 ft
 East: 1177826.44 ft
 Station: 2226+74.3
 Offset: 63.596' RT

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

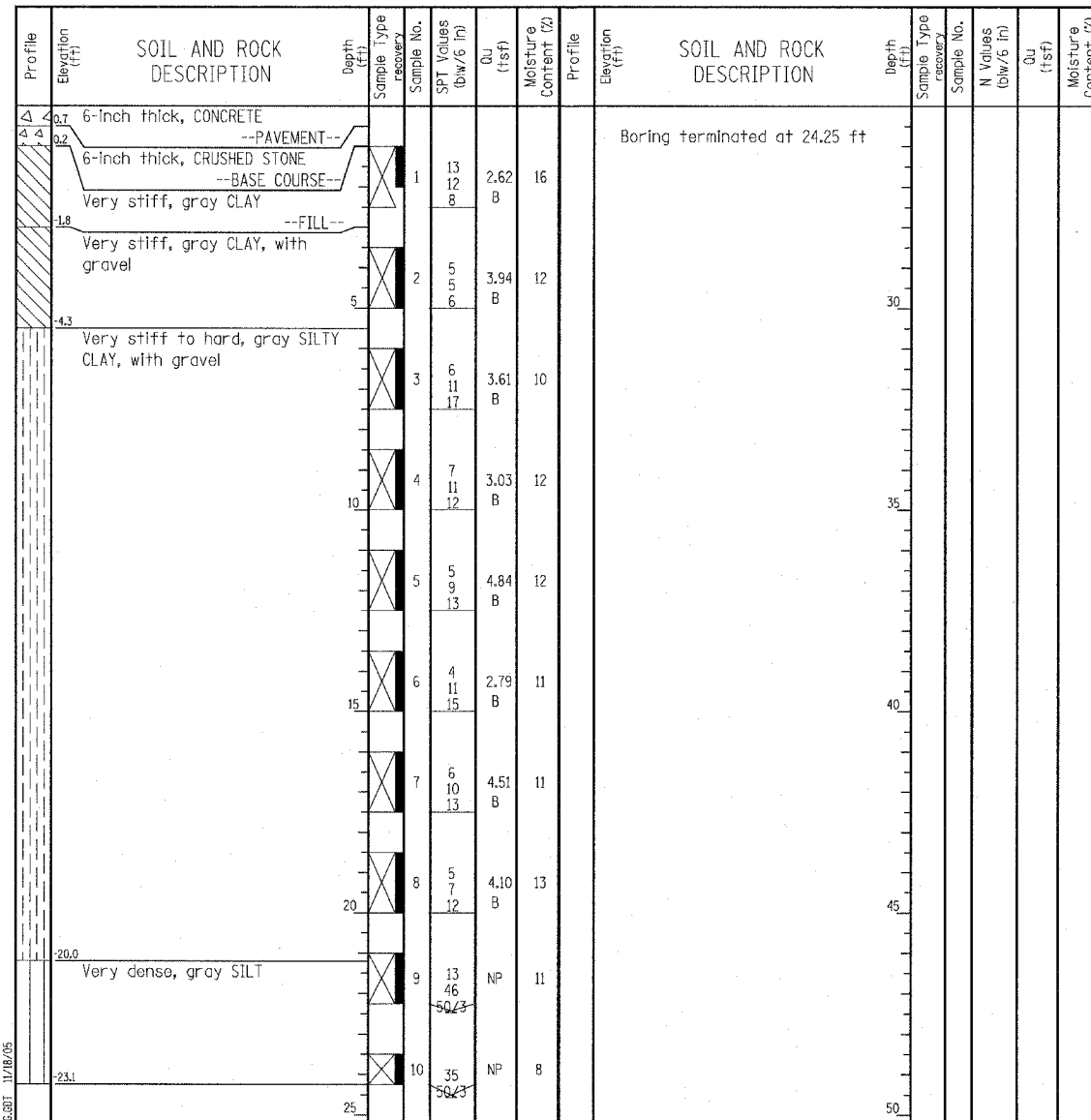


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-04-2004	Complete Drilling	02-04-2004	While Drilling	▽	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽	DRY	
Driller	T&D	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled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

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BORING LOG SB 02-10
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.17 ft
 North: 1843894.89 ft
 East: 1177836.93 ft
 Station: 2225+26.5
 Offset: 69.861' 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	02-04-2004	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	

LEGEND

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


TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

SHEET 51 OF 89

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
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BORING LOG SB 02-12
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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

Page 1 of 1

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.	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)
27	12-inch thick, black SILTY LOAM						22.8						
	Stiff to hard, gray CLAY		1	3 10 14	4.50 P	14		Boring terminated at 26.42 ft		11	50/5	4.50 P	10
			2	2 4 4	1.48 B	19							
			3	7 16 19	8.61 B	18							
			4	50/5									
			5	11 14 18	8.45 B	12							
			6	7 18 23	9.43 S	12							
			7	8 15 20	6.56 S	12							
			8	8 20 29	7.38 S	12							
			9	15 20 53	10.91 S	11							
			10	38 50/5	4.50 P	9							

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.			


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BORING LOG SB 02-14
 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

Page 1 of 1

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.	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)
3.4	13-inch thick, black SILTY LOAM						22.4						
	Hard, gray CLAY		1	4 10 12	4.50 P	16		Boring terminated at 26.92 ft		11	34 50/5	4.50 P	10
			2	3 4 5	0.90 B	20							
	Soft to medium stiff, gray CLAY		3	2 3 9	0.41 B	23							
			4	7 21 23	4.50 P	10							
			5	9 13 17	3.94 B	12							
			6	7 11 15	6.56 B	12							
			7	6 14 20	6.15 B	12							
			8	13 17 24	7.79 B	13							
			9	13 17 26	7.22 B	12							
			10	23 50/5	11.48 S	10							

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

REVISIONS	
NAME	DATE

SHEET 52 OF 89
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB 02-12 & SB 02-14
 SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 02-16 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

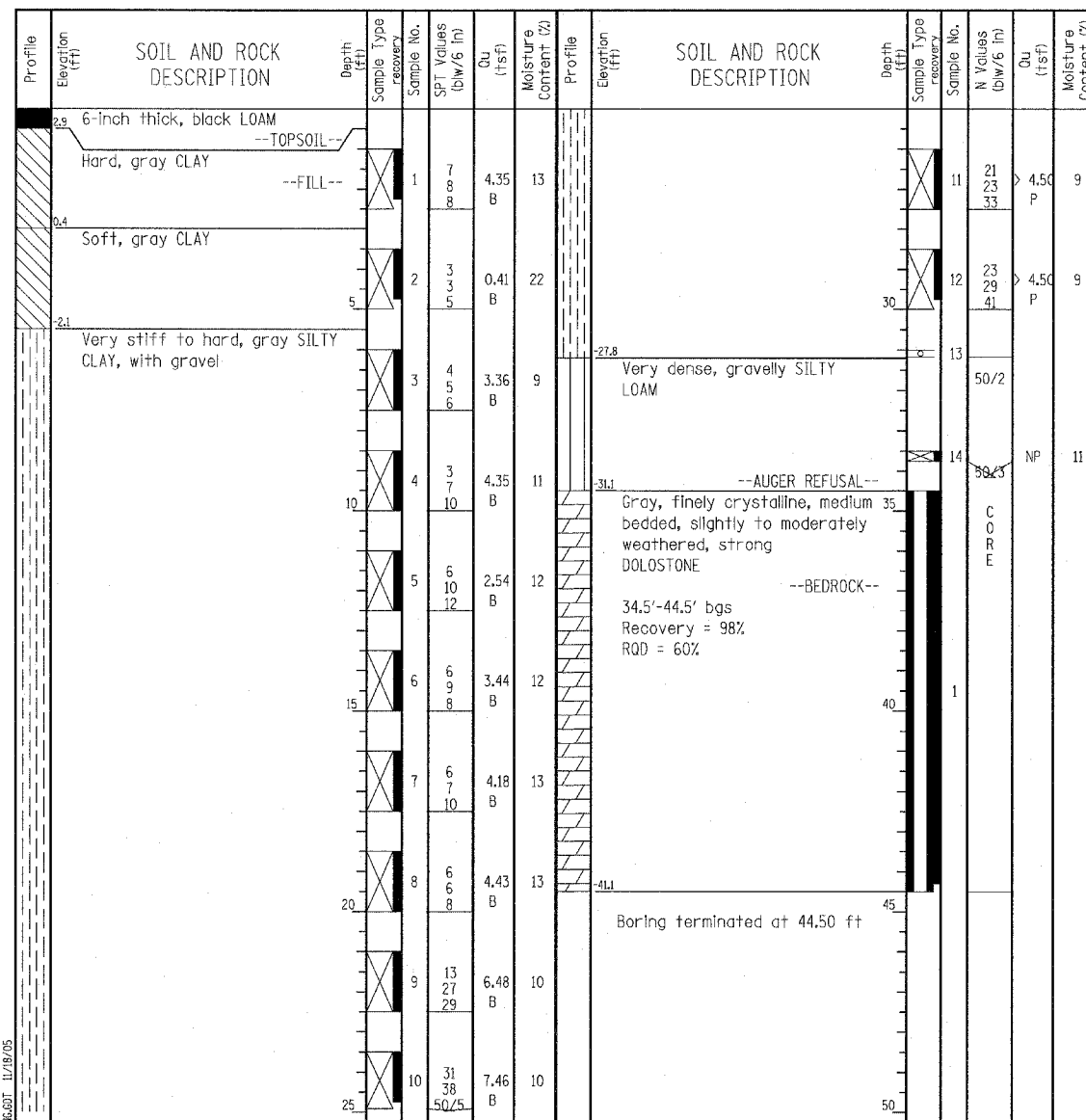
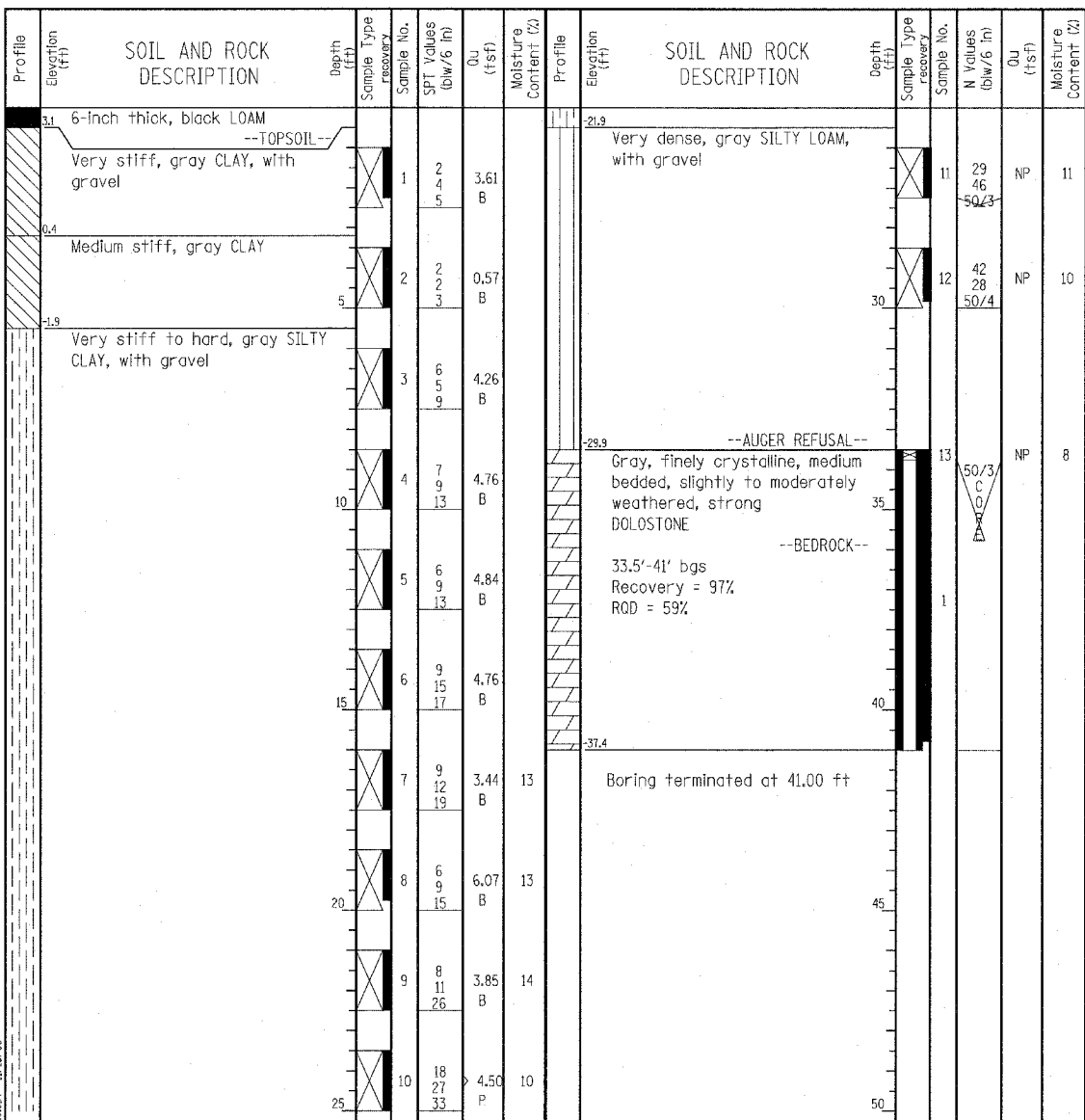
Datum: CCD
Elevation: 3.60 ft
North: 1843453.44 ft
East: 1177847.20 ft
Station: 2220+84.9
Offset: 67.46' RT

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BORING LOG SB 02-18 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: 3.39 ft
North: 1843293.95 ft
East: 1177858.89 ft
Station: 2219+25.2
Offset: 74.61' RT



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	

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

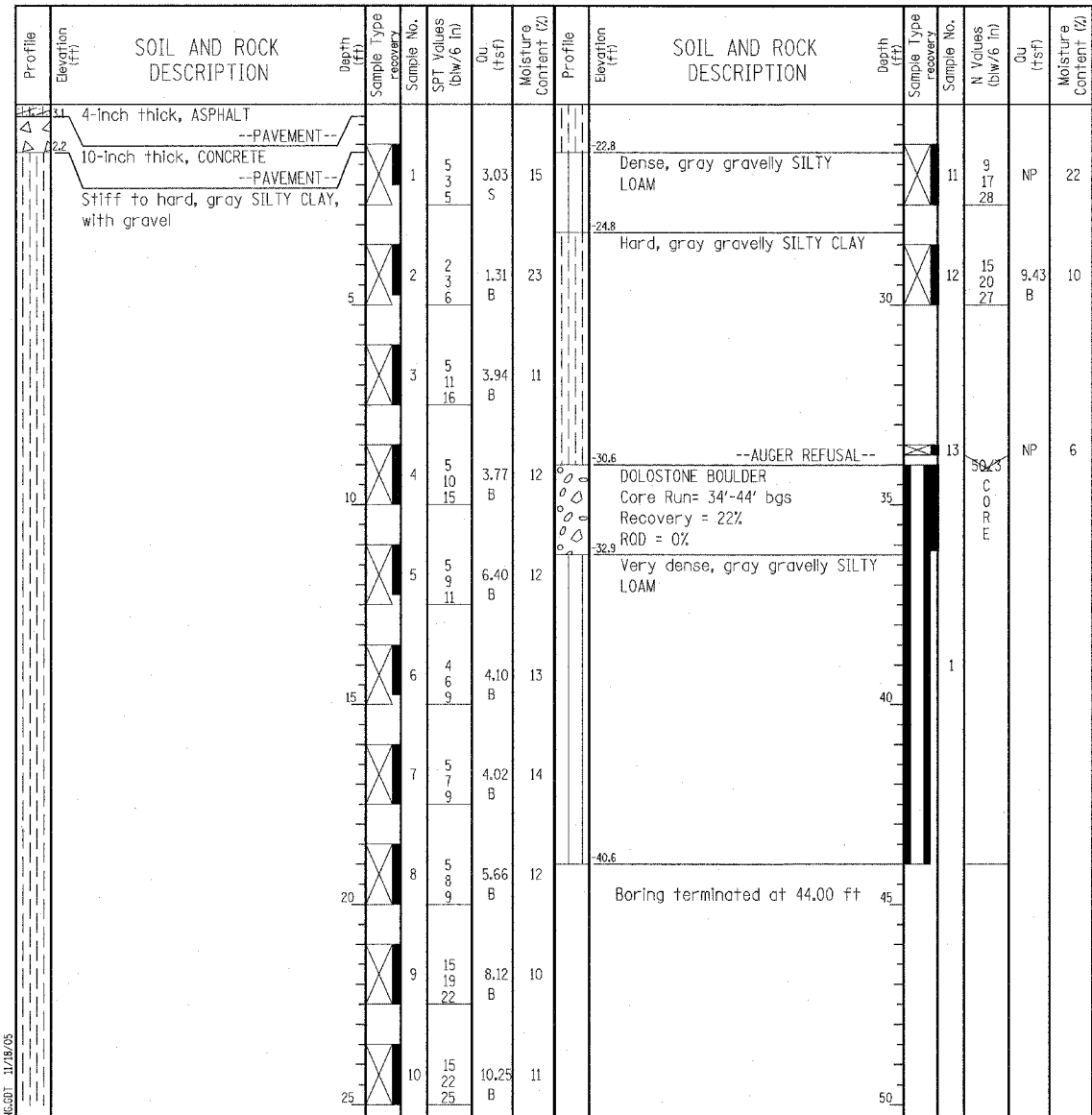
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BORING LOG SB 02-20
 WEI Job No.: 414-07-01
 Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street.

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

Page 1 of 1



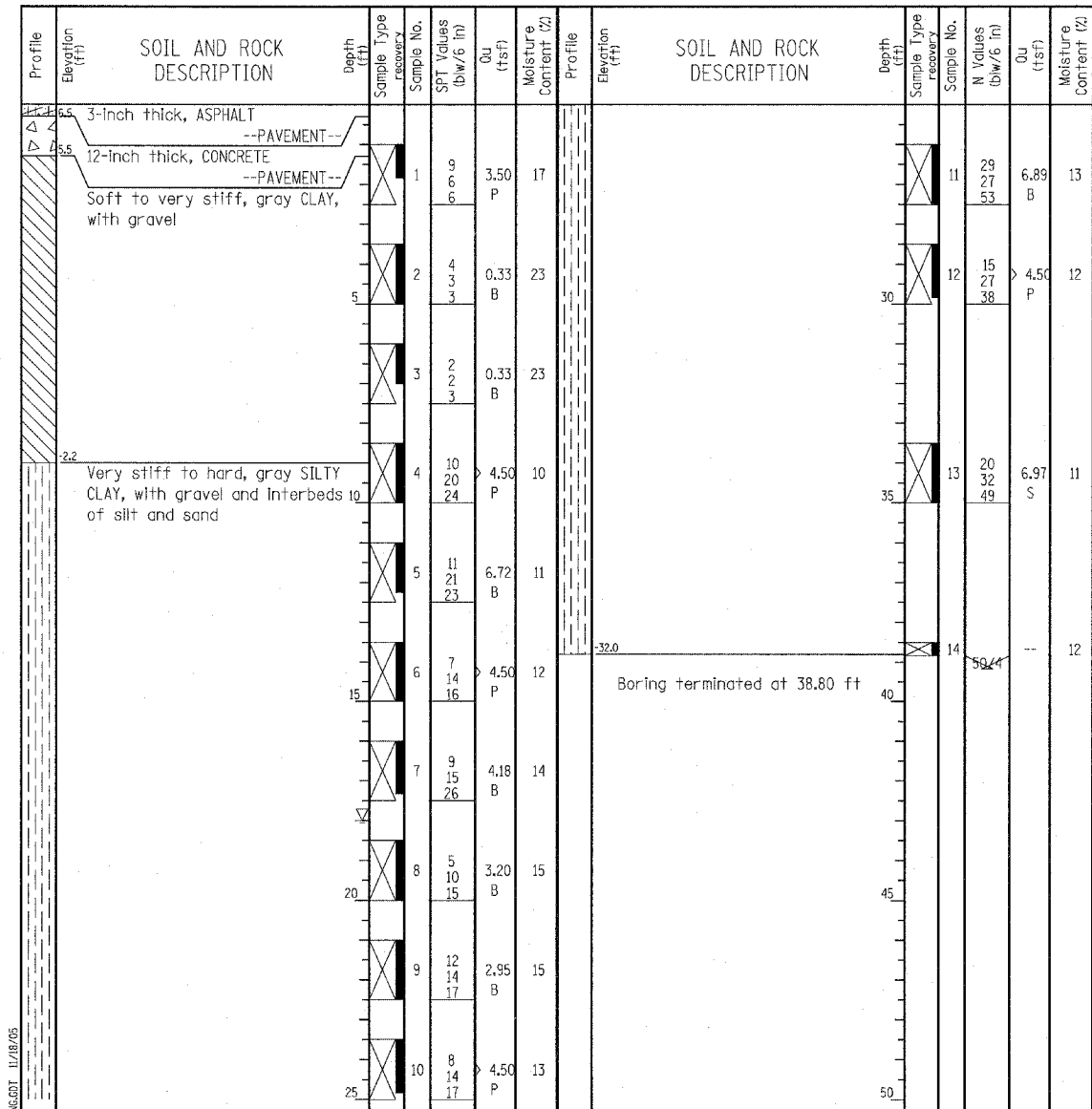
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2004	Complete Drilling	01-28-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	T&D	Logger	B. Fugiel	Time After Drilling		NA	
Drilling Method	3.25" ID, HSA; Boring backfilled 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
 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

Page 1 of 1



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
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB 03-03
 WEI Job No.: 414-07-01

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

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

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BORING LOG SB 03-04
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -7.02 ft
 North: 1844793.59 ft
 East: 1177798.06 ft
 Station: 2234+26
 Offset: 56.730' 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 (%)
-7.3	9-inch thick CONCRETE --PAVEMENT--						-32.5						
-7.8	6-inch thick CRUSHED STONE --BASE COURSE--							Boring terminated at 26.00 ft					
	Hard, gray SILTY CLAY with gravel		1	3 6 7	7.79 B	11					50/1		
		5	2	4 6 9	5.99 B	13			30				
		10	3	4 9 11	6.72 B	13							
		15	4	6 9 10	5.33 B	12			35				
		20	5	5 12 22	7.79 B	10							
		25	6	10 50/4	4.50 P	10			40				
-22.3	Very dense, gray GRAVEL												
-22.8	Very dense, gray GRAVELLY SILT		7	72 60 47	NP	8							
		20	8	13 40 57	NP	9			45				
		25	9	25 62 50	NP	10							
			10	22 68 50/5	NP	8			50				

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--												
-8.4	6-inch thick CRUSHED STONE --BASE COURSE--												
	Hard, gray SILTY CLAY with gravel		1	7 8 10	7.87 B	12							
		5	2	6 7 8	6.48 B	12							
		10	3	6 13 16	6.97 S	10							
		15	4	4 9 11	8.20 B	12							
		20	5	5 16 27	6.97 B	10							
		25	6	35 43 48	6.97 S	11							
-23.3	Very dense, gray GRAVELLY SILT		7	16 50 50/4	NP	8							
		20	8	20 33 50/3	NP	10							
		25	9	38 50/1	NP	9							
-29.5	Very dense, gray SAND												
-30.2	Boring terminated at 23.20 ft												
		25	10	50/2	NP								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-28-2004	Complete Drilling	04-28-2004	White 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		
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	04-28-2004	Complete Drilling	04-28-2004	White 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		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB 03-03 & SB 03-04

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

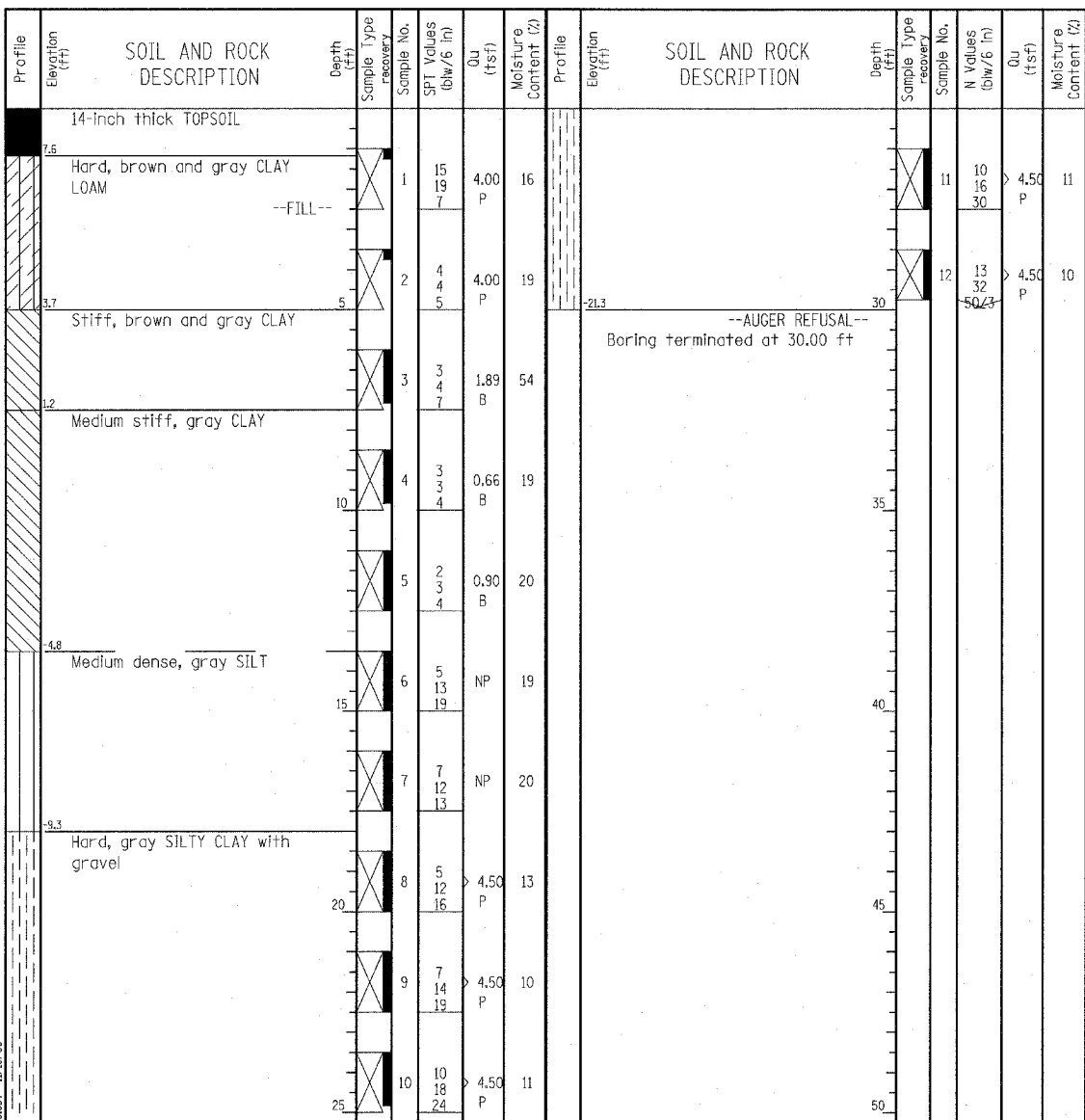
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BORING LOG SB 04-03 Page 1 of 1

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



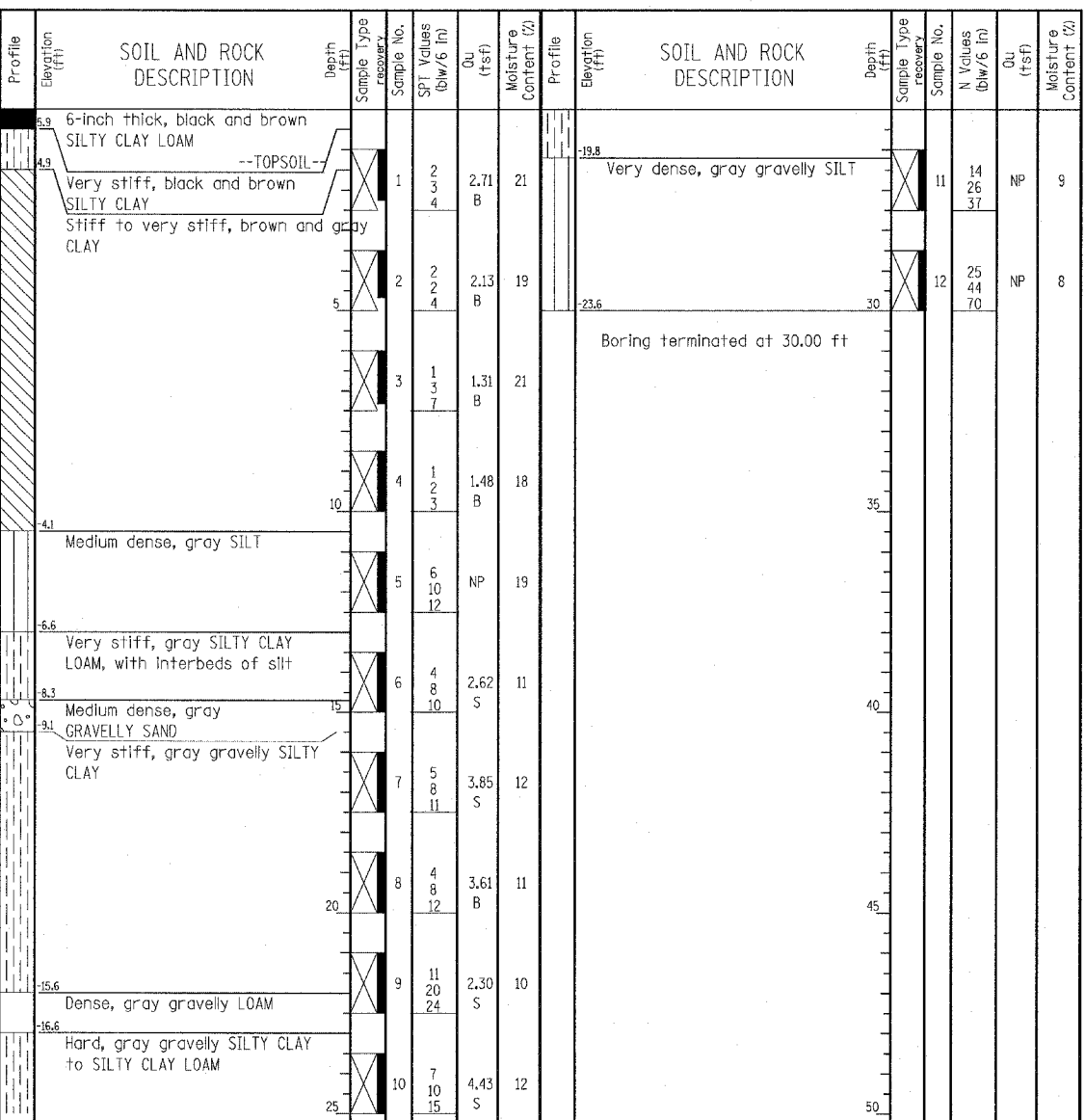
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-13-2004	Complete Drilling	04-13-2004	White Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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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



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	
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 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
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: 5.34 ft
North: 1846076.99 ft
East: 1177791.56 ft
Station: 2247+09
Offset: 87.0' 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 (%)
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										
11.2	Medium dense, gray GRAVELLY SAND		7	5, 11, 13	4.92 B	15							
	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	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG SB 05-17
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: 4.17 ft
North: 1846003.53 ft
East: 1177789.50 ft
Station: 2246+36
Offset: 83.0' 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 (%)
3.2	2-inch ASPHALT over 10-inch CONCRETE --PAVEMENT--						-20.2	--AUGER REFUSAL--		11		NP	
2.3	Stiff to very stiff, brown and gray, CLAY		1	10, 5, 4	2.95 B	19		Boring terminated at 25.60 ft			50/1		
2.1	Medium dense, gray SILT		2	4, 2, 3	1.07 B	22							
2.1	Medium dense, gray GRAVELLY SAND		3	2, 3, 6	2.21 B	19							
3.4	Medium dense, gray SILT		4	2, 7, 9	NP	21							
6.3	Medium dense, gray GRAVELLY SAND		5	4, 8, 10	NP	13							
9.8	Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM		6	4, 7, 13	4.50 P	13							
			7	4, 9, 13	4.92 B	16							
			8	5, 10, 15	3.28 S	14							
			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	
				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 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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.1	2-inch thick ASPHALT over 10-inch thick CONCRETE	0						4.1							
3.8	--PAVEMENT-- Stiff, brown and gray CLAY --FILL--	1	X	1	8 6 7	1.72 B	20	3.8				11	7 8 8	4.02 B	12
		2	X	2	5 2 3	1.39 B	24					12	8 11 19	3.28 B	11
1.3	Medium stiff, gray CLAY	5	X	3	2 1 3	0.66 B	22					13	22 50/3	4.50 P	8
		10	X	4	2 2 4	0.98 B	19	27.5	Boring terminated at 34.25 ft	35	X	13			
3.7	Very stiff, gray CLAY to SILTY CLAY, with interbeds of silt	5	X	5	2 3 4	2.05 B	15								
		15	X	6	2 4 7	2.21 B	22								
6.7	Medium dense, gray SILT	15	X	7	4 6 12	2.75 P	21								
9.7	Very stiff to hard, gray gravelly SILTY CLAY	20	X	8	5 5 7	3.03 B	17								
		25	X	9	4 31 27	3.61 B	13								
		25	X	10	4 12 10	2.87 B	10								

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

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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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.1	2-inch thick ASPHALT over 11-inch thick CONCRETE	0						4.1							
6.4	--PAVEMENT-- 5-inch thick CRUSHED STONE --BASE COURSE-- Very stiff, brown and gray CLAY --FILL--	1	X	1	5 4 4	NP	10	6.4				11	4 8 10	3.03 B	12
4.4		2	X	2	9 3 4	2.46 B	21					12	5 11 16	2.05 B	10
	Soft to stiff, gray CLAY	5	X	3	3 2 3	1.15 B	18					13	50 50/5	4.50 P	9
		10	X	4	3 1 2	0.66 B	21					14	31 50/5	NP	8
2.0	Very dense, gray gravelly SILTY LOAM	5	X	5	2 2 2	0.41 B	21	28.5							
	Very stiff, gray SILTY CLAY	15	X	6	2 4 7	2.79 B	17								
		20	X	7	3 5 9	3.94 B	16	31.9	Boring terminated at 39.40 ft	40	X	14			
	Medium dense, gray SILT	25	X	8	4 5 6	3.12 B	11								
	Very stiff to hard, gray gravelly SILTY CLAY	30	X	9	3 5 7	2.13 B	11								
		35	X	10	4 7 13	3.44 B	12								

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	
				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 06-01 & SB 06-02

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

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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

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--		1	2 5 5	2.54 B	18	21.8	Dense to very dense, gray SILTY LOAM	11	3 14 17	NP	14	
	Very stiff, gray CLAY		2	3 4 5	2.13 B	19			12	20 35 46	NP	13	
			3	0 0 0	0.33 B	22			13	21 50/5	NP	11	
			4	0 0 3	0.41 B	23							
			5	4 7 14	NP	14							
			6	6 9 15	NP	19							
			7	8 13 13	NP	12							
			8	5 9 11	3.53 B	12							
			9	2 1 4	0.50 P	20							
			10	27 12 29		12							

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

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

LEGEND

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

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BORING LOG 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 (%)
2.9	5-inch thick, brown SILTY LOAM --TOPSOIL--		1	3 5 7	2.62 B	18							
	Medium stiff to very stiff, gray CLAY		2	2 3 4	0.82 B	20							
			3	0 0 3	0.57 B	21							
			4	1 2 4	1.23 B	20							
			5	5 9 14	NP	17							
			6	5 11 14	NP	12							
			7	4 5 7	2.46 B	14							
			8	4 6 50/3	3.77 B	13							
			9		50/1	NP							

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

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

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB 07-01 & SB 07-02

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

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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

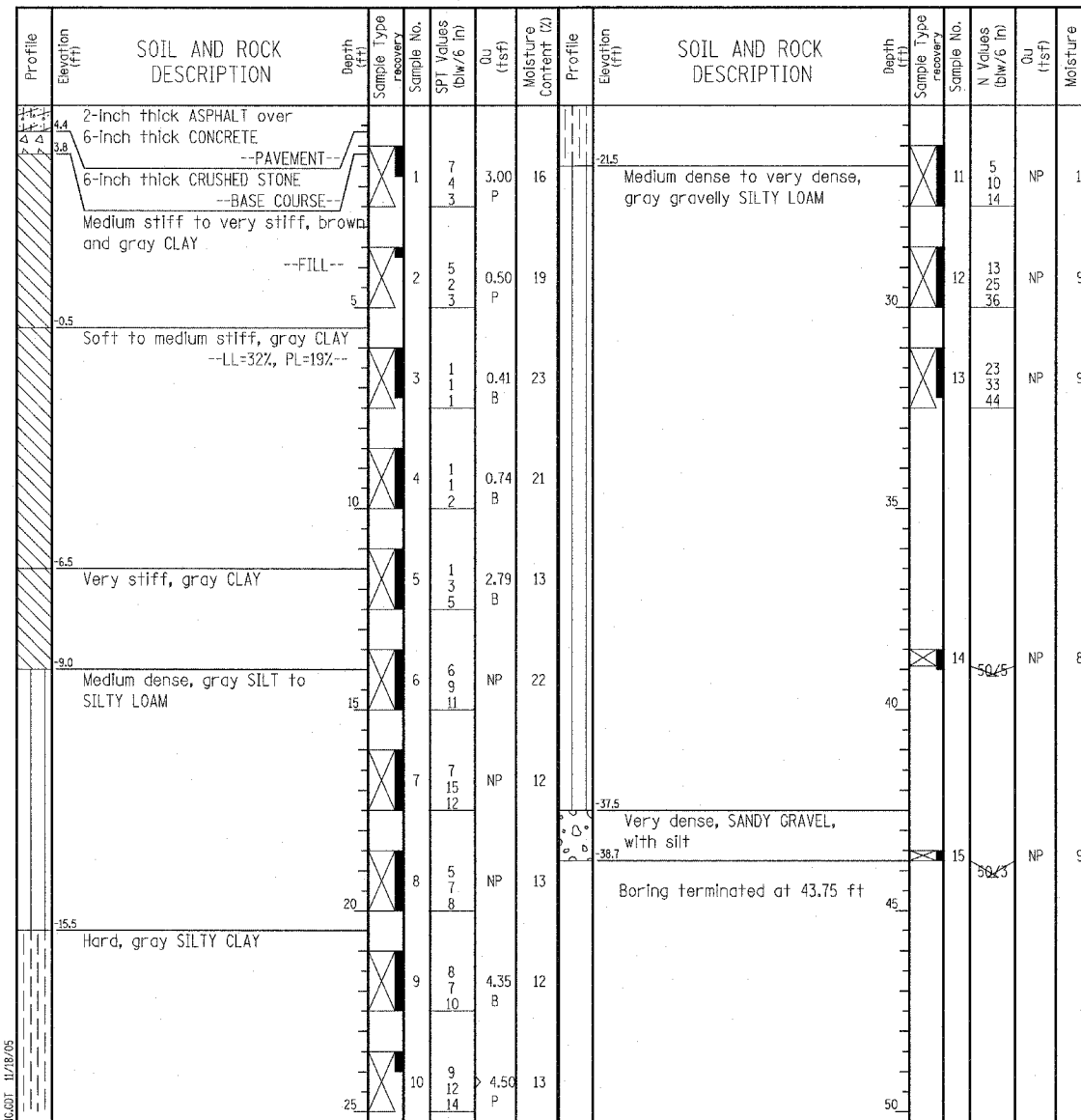
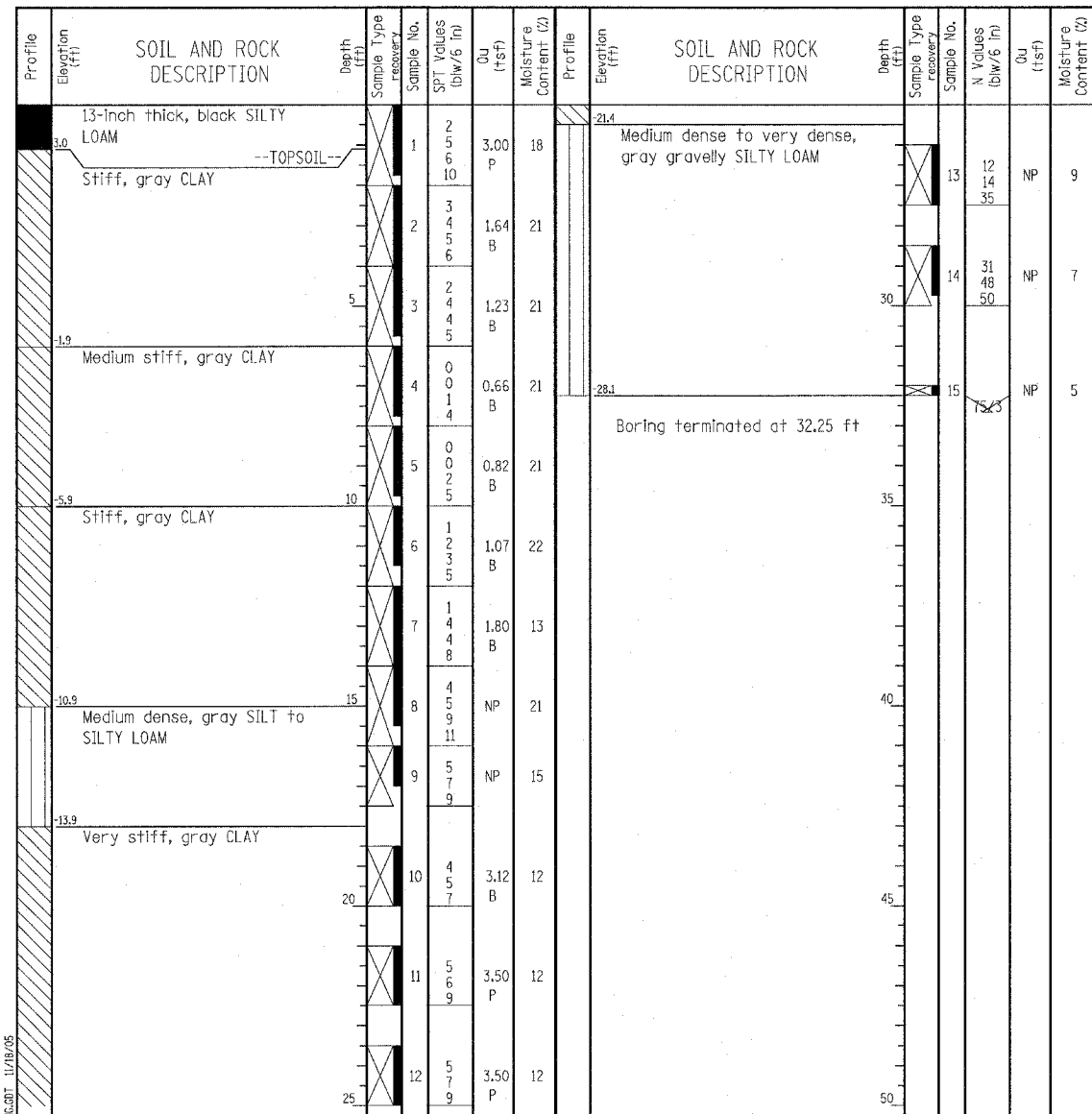
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BORING LOG SB 07-04

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	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	02-26-2004	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

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

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

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

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

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	0	TOPSOIL	1	3	3.50	18								
	Very stiff, brown and gray CLAY to SILTY CLAY	0		5											
		0		6											
3.3	Medium dense, brown and gray SANDY GRAVEL	2.8		2	3	3.50	7								
		2.8		7											
		2.8		3											
		2.8		5											
1.3	Very stiff, gray CLAY	5		3	3	4.50	12								
	Hard, gray SILTY CLAY	5		5											
		5		6											
		5		7											
		5		8											
		5		11											
3.7	Hard, gray SANDY CLAY LOAM	10		5	2	4.50	13								
4.2	to CLAY LOAM	10		8											
	Boring terminated at 10.00 ft	10		11											

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

SHEET 61 OF 89

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

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

Datum: CCD
Elevation: 16.25 ft
North: 1839564.76 ft
East: 1178677.89 ft
Station: 8760+06
Offset: 14' LT

Page 1 of 1

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BORING LOG RB-14
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

Page 1 of 1

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--	0													
15.0	7-inch thick, CRUSHED STONE --BASE COURSE-- Medium stiff to stiff, gray CLAY	1		1	3 2 2	1.80	20								
		2		2	2 2	1.07	23								
		3		3	1 2 2	1.89	23								
		4		4	1 2 3 4	0.74	19								
		5		5	1 2 2 3	0.57	20								
11.0	Boring terminated at 11.00 ft														

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
12.3	12-inch thick, black LOAM --TOPSOIL--	0													
10.3	Medium dense, gray SANDY GRAVEL Hard, gray CLAY	1		1	0 2 4 6	NP	24								
		2		2	3 4 7 5	4.51	15								
		3		3	2 2 3	NP	15								
		4		4	12 13 13	4.50	12								
		5		5	9 9 9	4.67	11								
		10													
	Boring terminated at 10.00 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.				


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.				

LEGEND

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

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE



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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 (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 (%)
7.3	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

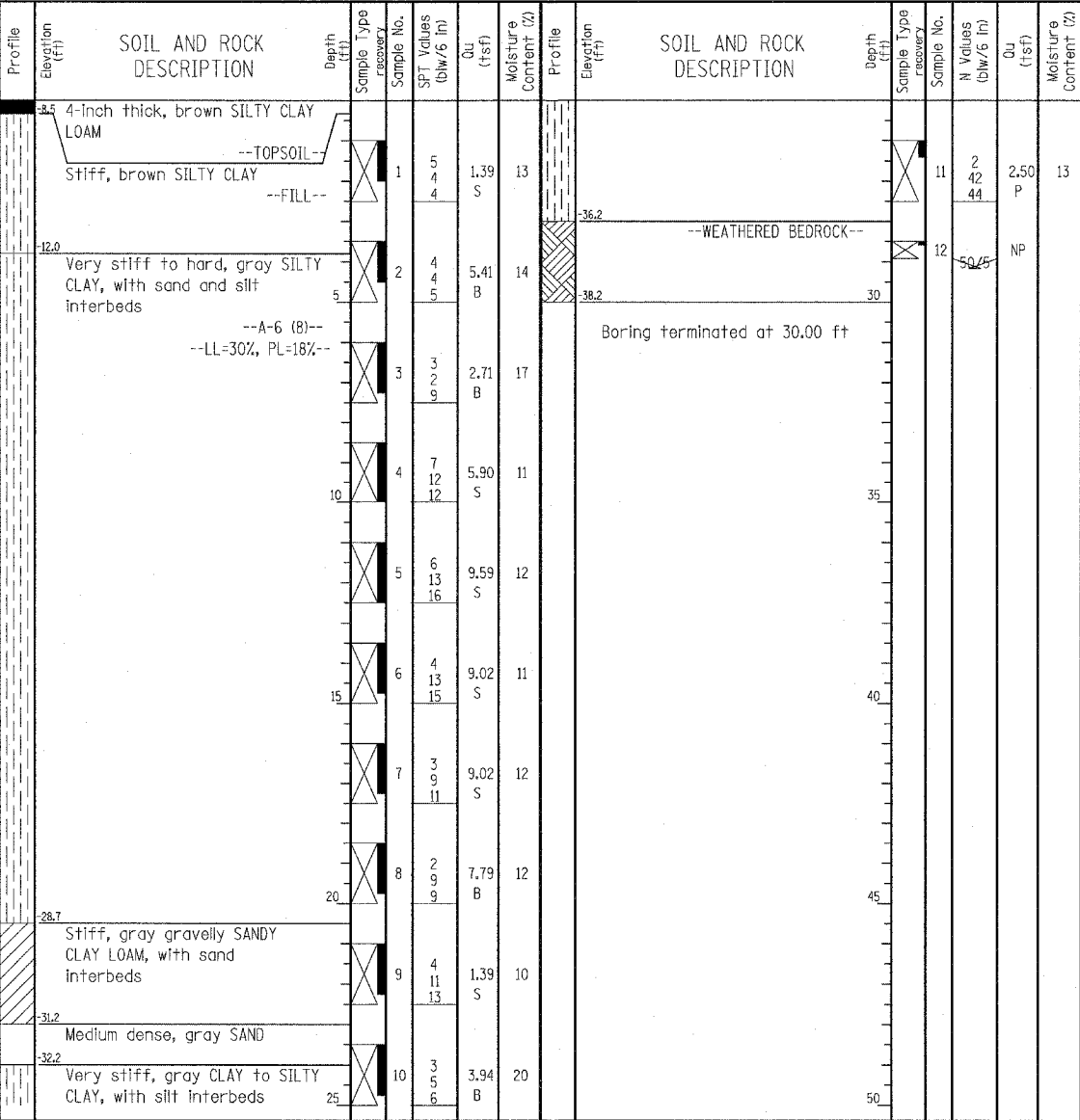
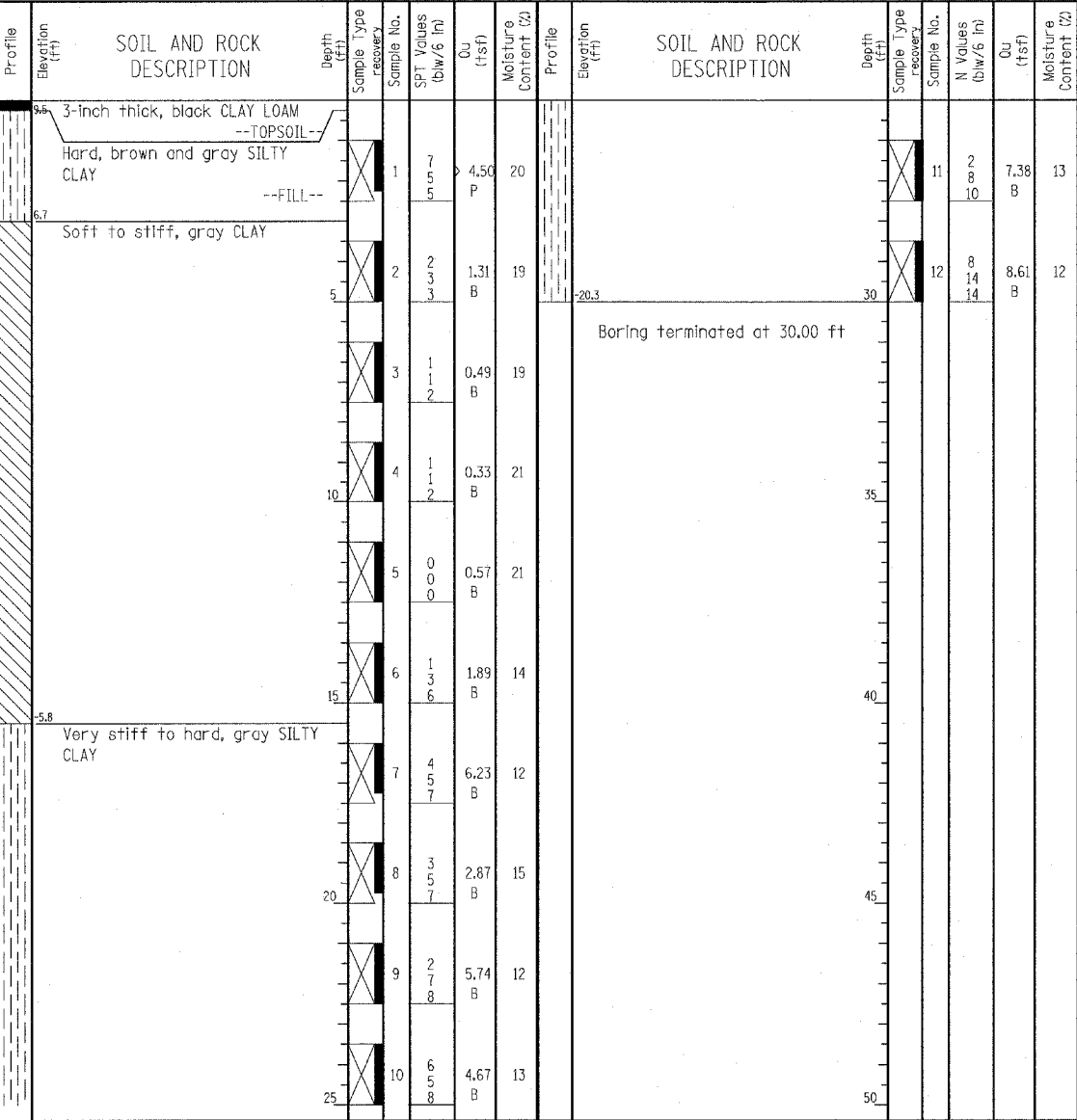
Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street

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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	08-03-2004	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	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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	
				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 64 OF 89

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS 6AGH1 & 6AGH3

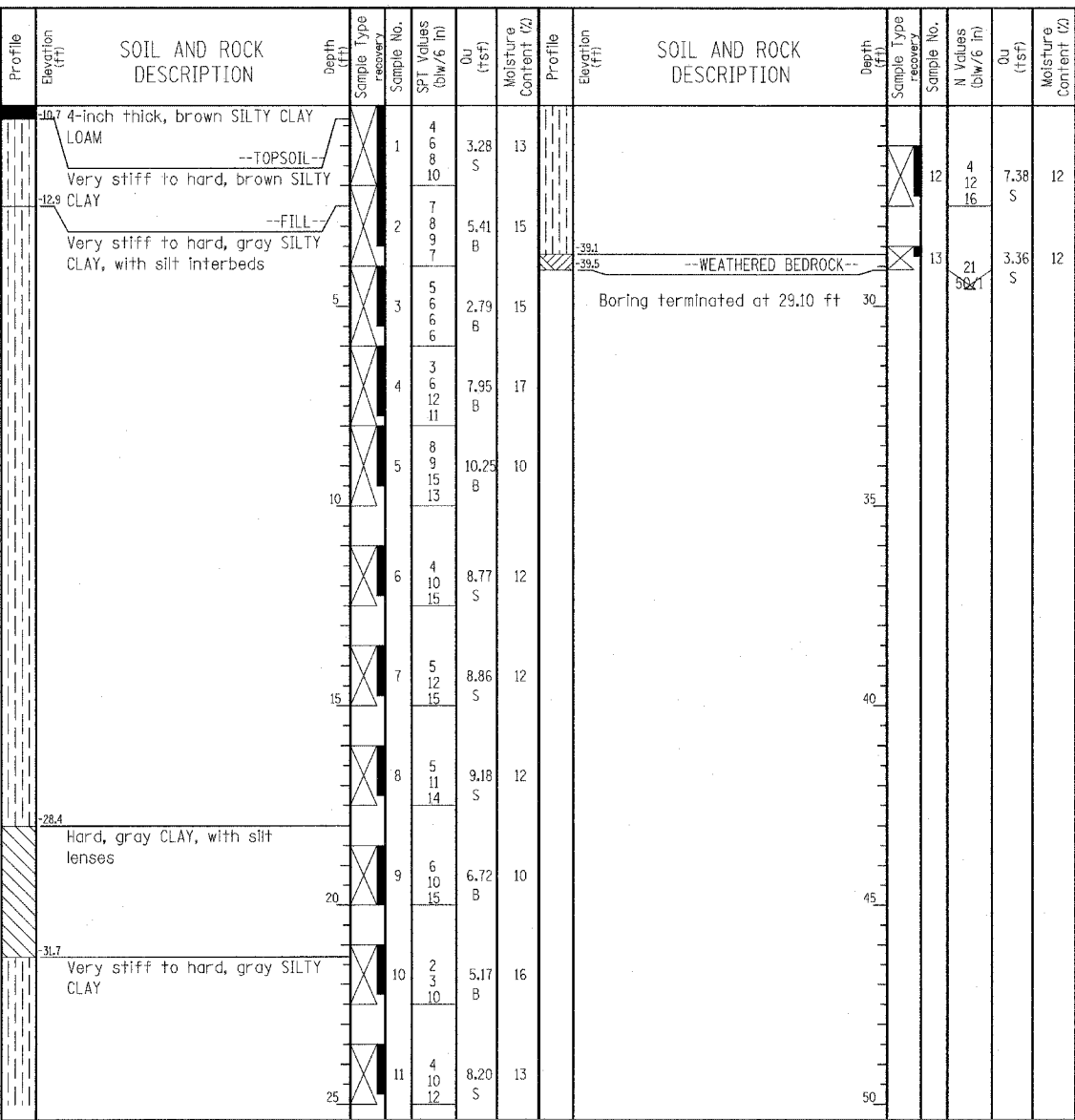
SCALE: N.T.S.
 DATE: MARCH 7, 2006

DRAWN BY: RTM
 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

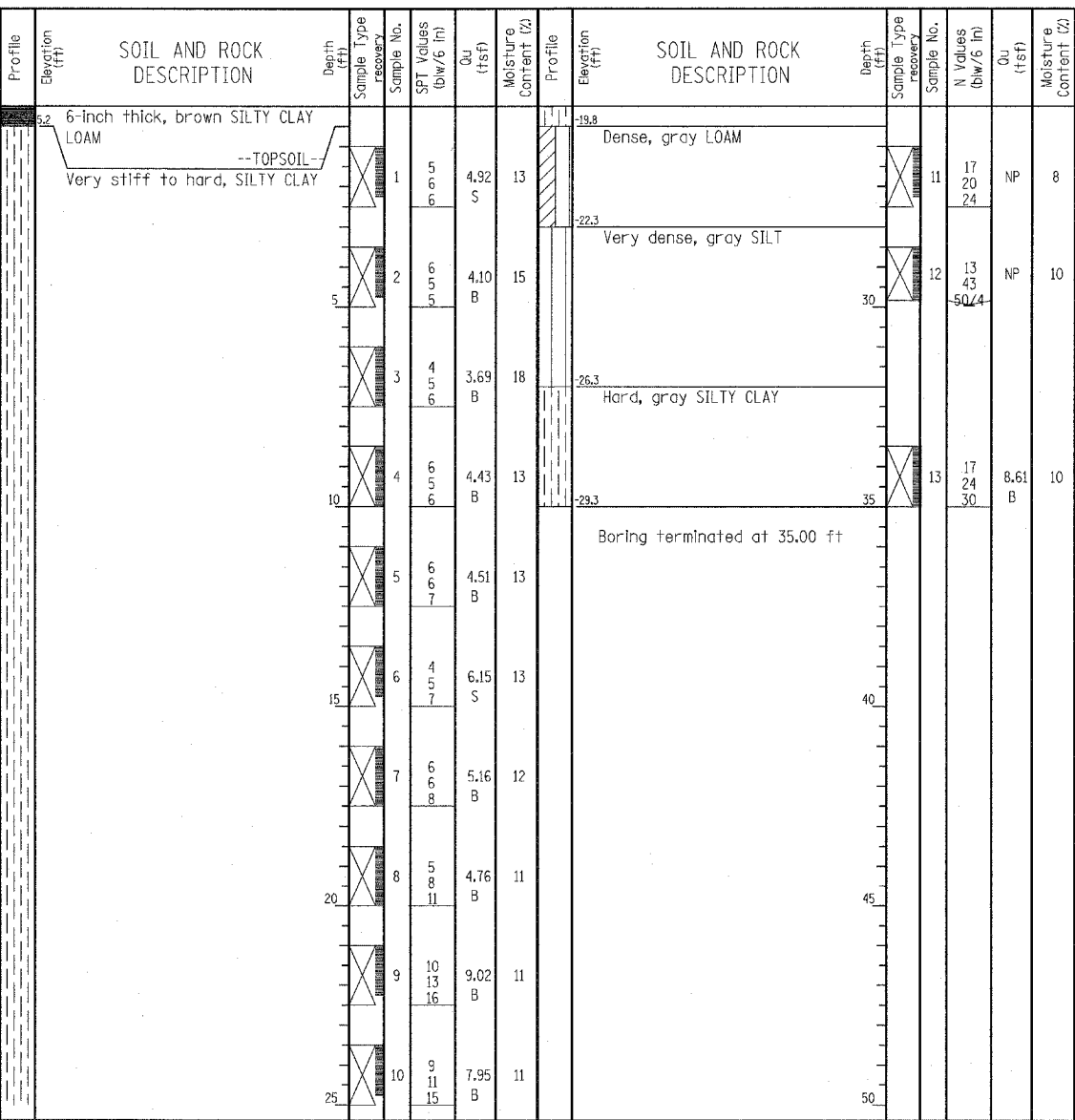


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-20-2004	Complete Drilling	08-20-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	J. Kasnick	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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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



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	

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

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

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BORING LOG 5MCD3

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

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BORING LOG 6MIJ2

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: -3.46 ft
North: 1839380.73 ft
East: 1178701.12 ft
Station: 2022+91
Offset: 64' 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 (%)
6.0	6-inch thick, brown SILTY CLAY LOAM --TOPSOIL-- Stiff to hard, brown and gray SILTY CLAY	0	X	1	5 7 6	6.56 B	15	19.0	Very dense, gray SILT	0	X	11	11 21 30	NP	12
5		5	X	2	5 6 8	4.43 B	18	21.5	Hard, gray SILTY CLAY	5	X	12	12 24 34	> 4.50 P	10
10		10	X	3	5 6 9	4.42 B	18			10	X	13	15 27 42	7.22 B	10
15		15	X	4	5 6 8	4.10 B	18	28.5	Boring terminated at 35.00 ft	15	X	13	15 27 42	7.22 B	10
20		20	X	5	3 5 6	2.71 B	16			20	X	8	5 8 8	6.48 B	13
25		25	X	6	3 7 10	1.89 B	12			25	X	9	6 9 11	6.15 B	15
			X	7	7 11 11	6.89 B	12				X	10	8 9 11	6.81 B	12

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 (%)
4.0	6-inch thick, brown CLAY LOAM --TOPSOIL-- Medium dense, brown and gray SILTY LOAM	0	X	1	6 6 5	NP	19			0	X	11	18 26 29	5.99 B	10
5		5	X	2	4 6 7	NP	15			5	X	12	24 21 50/5	8.28 B	10
9.0	Very stiff to hard, gray SILTY CLAY	9	X	3	5 4 6	4.43 B	14			9	X	4	2 3 5	2.62 B	15
14.8	Very stiff, gray CLAY	14.8	X	5	1 4 6	2.30 B	17			14.8	X	5	1 4 6	2.30 B	17
15.5	Stiff to hard, gray SILTY CLAY	15.5	X	6	4 9 11	1.80 S	13			15.5	X	6	4 9 11	1.80 S	13
22.5	Dense, gray SILT	22.5	X	8	9 16 21	7.38 B	11			22.5	X	8	9 16 21	7.38 B	11
24.0	Hard, gray gravelly SILTY CLAY, with interbeds of silt	24.0	X	9	13 20 27	8.45 S	10			24.0	X	9	13 20 27	8.45 S	10
25		25	X	10	13 21 30	8.53 S	11			25	X	10	13 21 30	8.53 S	11

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

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
Checked by	N. Davis	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 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
 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: 5.38 ft
 North: 1839569.88 ft
 East: 1177468.46 ft
 Station: 420+54
 Offset: 65' 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 (%)
5.4	3-inch thick, black CLAY LOAM --TOPSOIL-- Very stiff, gray CLAY to SILTY CLAY --FILL--	1	6	3.25	16		24.6		11	6	7.63	12	
		2	2	2.50	16				12	10	4.50	10	
		3	3	1.48	15								
		4	4	1.48	11								
		5	2	3.94	14								
		6	3	3.28	14								
		7	1	3.28	15								
		8	4	4.51	13								
		9	5	2.87	12								
		10	6	8.61	12								

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

Datum: CCD
 Elevation: 11.85 ft
 North: 1841288.21 ft
 East: 1177934.38 ft
 Station: 2044+97
 Offset: 57' 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 (%)
11.3	6-inch thick, brown CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown and gray CLAY to SILTY CLAY	1	5	1.89	18		13.7	Very stiff to hard, gray SILTY CLAY	11	11	3.61	12	
		2	6	2.05	19				12	7	4.51	11	
		3	4	0.98	19								
		4	2	0.57	21								
		5	0	0.57	21								
		6	0	0.66	15								
		7	6	4.26	10								
		8	10	3.03	12								
		9	5	4.10	13								
		10	8	NP	12								

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	

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 5MMN5 & 60EF2

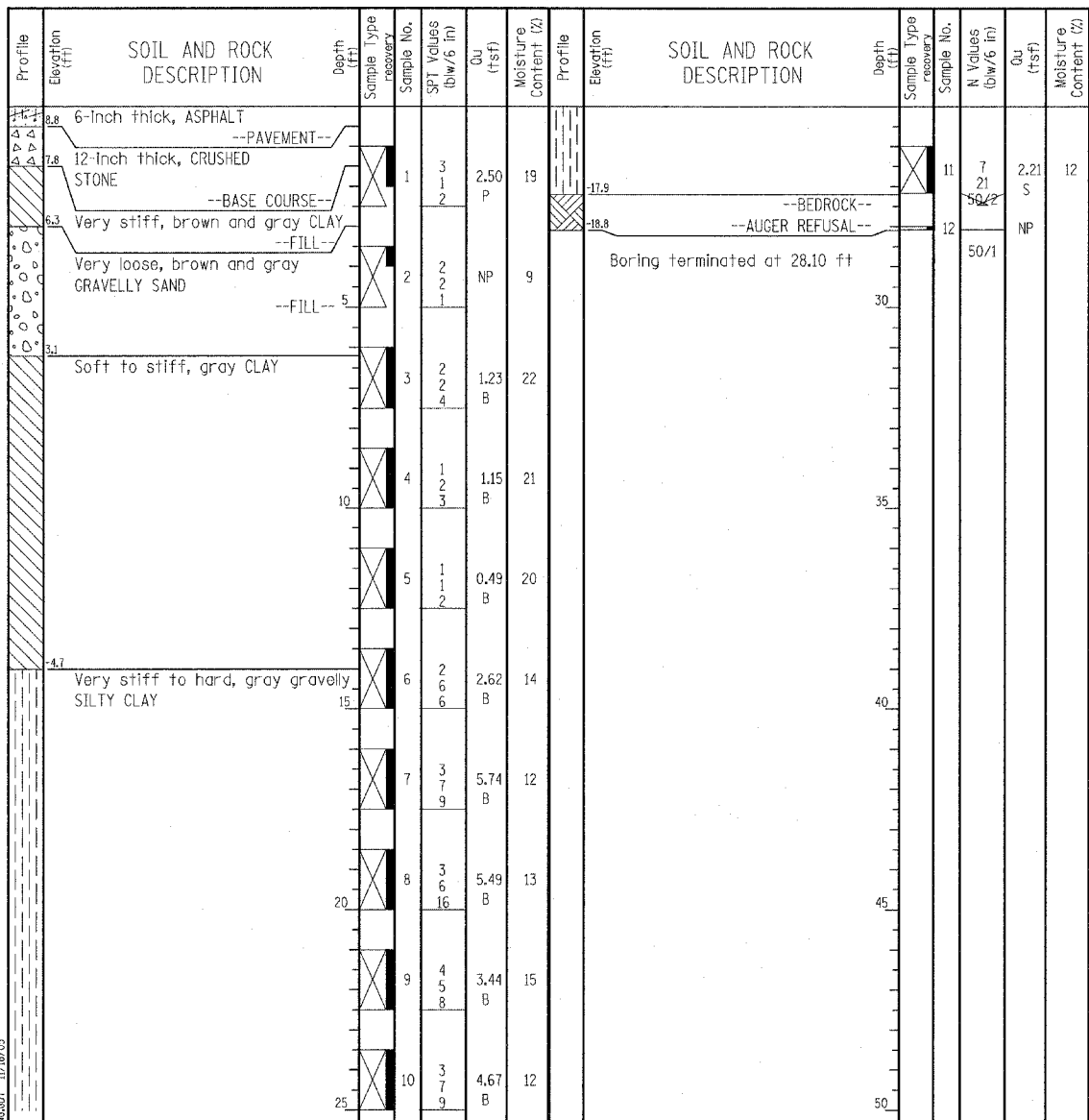
SCALE: N.T.S. DRAWN BY: RTM
 DATE: MARCH 7, 2006 CHECKED BY: MPG

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Telephone: 630 953-9928
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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



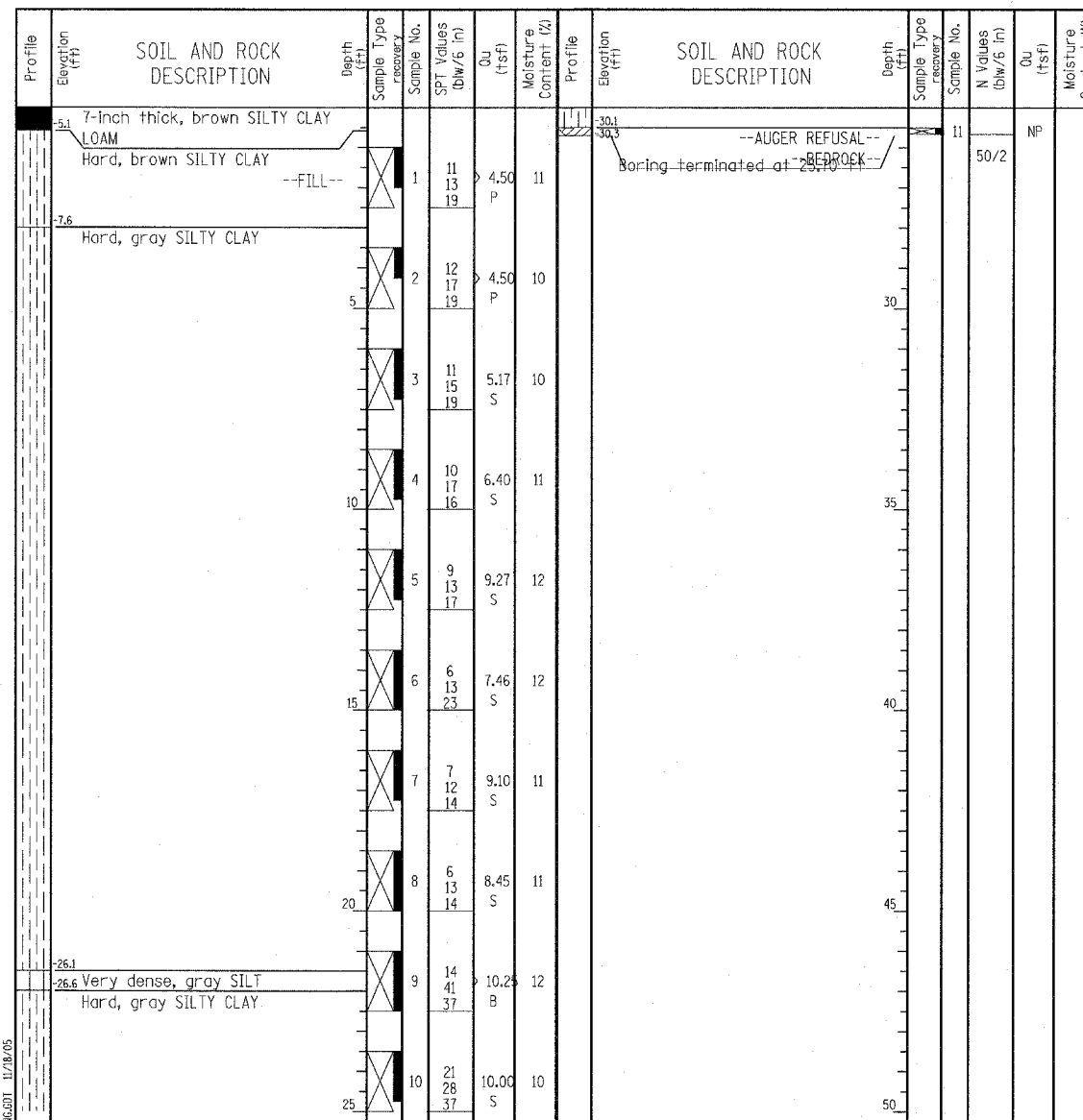
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-24-2004	Complete Drilling	08-24-2004	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	N. Davis	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	

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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	08-17-2004	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			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 600P2 & 5PEF1

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

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BORING LOG 5PEF2

Page 1 of 1

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

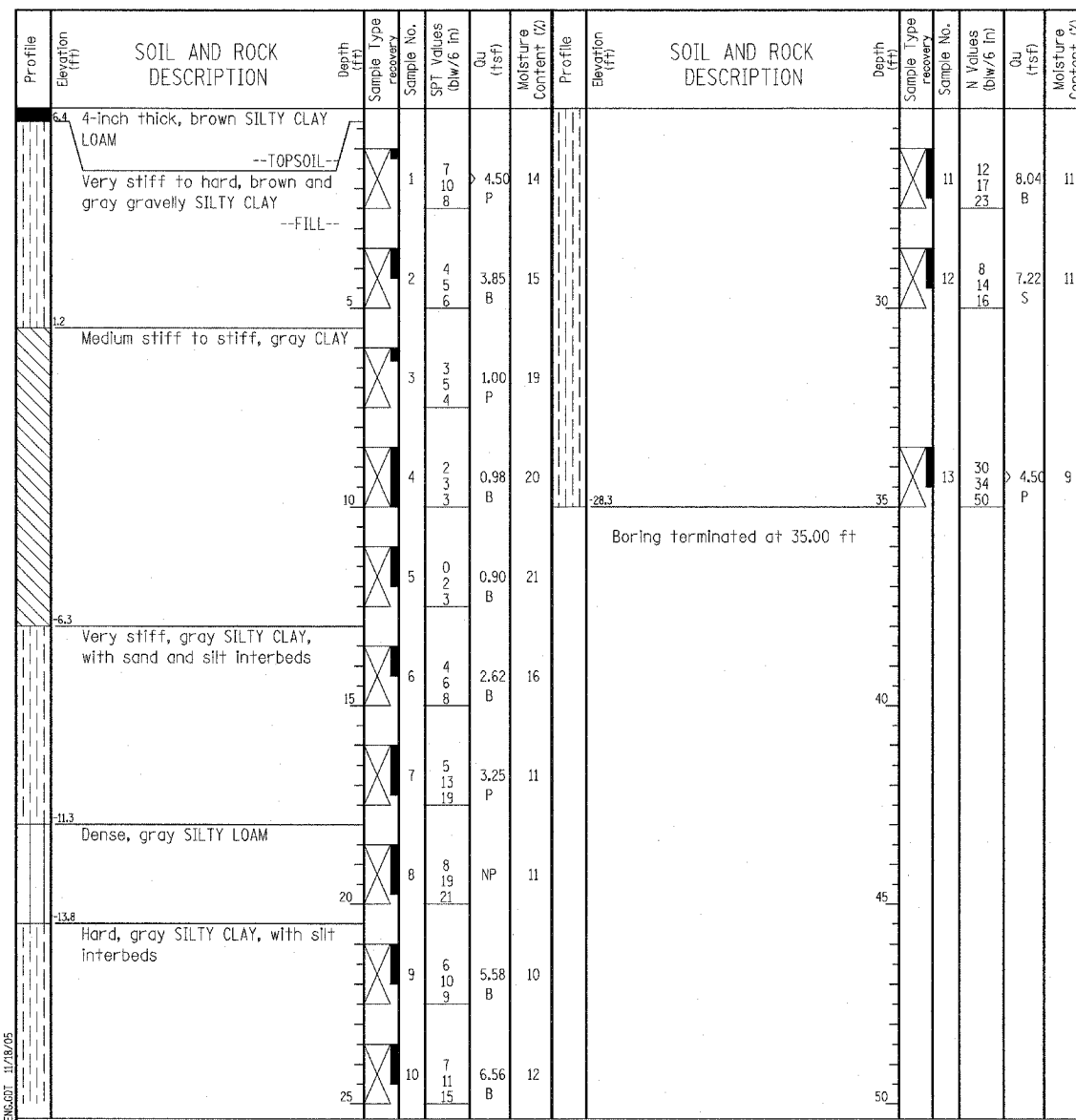
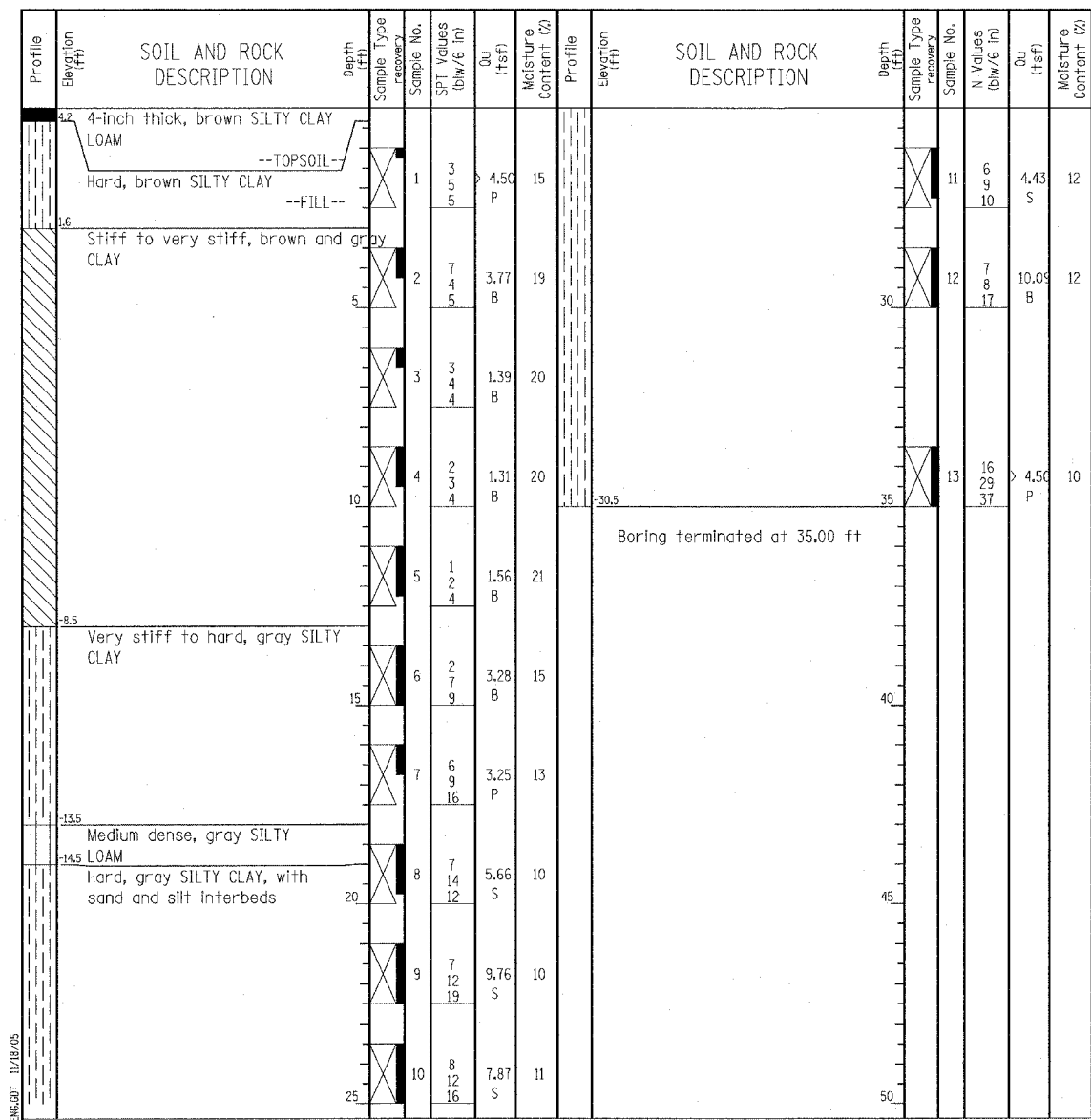
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BORING LOG 5PEF3

Page 1 of 1

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	
NAME	DATE

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BORING LOG BR-F01
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 2.40 ft
 North: 1851860.60 ft
 East: 1177638.40 ft
 Station: 2304+94.6
 Offset: 99.4 RT

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

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	OU (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/6 in)	OU (tsf)	Moisture Content (%)
12	2-inch thick ASPHALT over 12-inch thick CONCRETE							23.1	Dense, gray SILTY LOAM						
0.3	<<RR>>--PAVEMENT--														
	Hard, gray SILTY CLAY	4.50	1		8	4.50	16				11		NP	8	
	--FILL--														
	Medium dense, brown, fine SAND	1.75	2		3	1.75	19				12		NP	9	
	Stiff, gray CLAY														
5			3		2										
			4		2										
			5		3										
			6		4										
			7		5										
			8		6										
			9		7										
10.6	Hard, gray CLAY to SILTY CLAY	5.41	6		3	5.41	15								
			7		6										
			8		9										
			9		12										
			10		7										
			11		11										
			12		16										

Boring terminated at 30.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-03-2003	Complete Drilling	07-11-2003	While Drilling	DRY		
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	DRY		
Driller	T&L	Logger	S. P., Y. S. Checked by E. Datz	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

BORING LOG JP-01 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: -4.55 ft
North: 1844519.13 ft
East: 1177804.30 ft
Station: 2231+51.4
Offset: 55.11 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 (%)
-4.4	8-inch thick CONCRETE	4.4											
-5.2	--PAVEMENT--	5.2											
-5.7	8-inch thick CONCRETE	5.7	1	10	NP	5							
	Medium dense to dense, black and brown, fine to coarse SAND to SANDY LOAM												
	--FILL--												
		5	2	22	NP	15							
		15	3	12	NP	17							
-13.1	Very stiff to hard, gravelly SILTY CLAY	10	4	8	S	4.02							
		15	5	4	S	3.61							
		15	6	4	S	3.36							
		15	7	17	S	4.84							
-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.							

BORING LOG JP-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: 1.85 ft
North: 1845340.77 ft
East: 1177799.27 ft
Station: 2239+72.8
Offset: 73.6 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 (%)
0.8	13-inch thick, black LOAM												
	--TOPSOIL--												
	Very stiff to hard, gray, gravelly SILTY CLAY to CLAY												
		5	1	4	S	5.17							
		5	2	2	B	2.84							
		5	3	3	B	3.28							
		10	4	4	P	4.50							
		10	5	8	S	2.79							
		15	6	5	S	4.02							
		15	7	4	S	5.08							
		20	8	6	S	4.26							
		20	9	14	NP								
		25	10	19	NP								
-18.6	Very dense, gray, gravelly SILTY LOAM												
		25											
-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

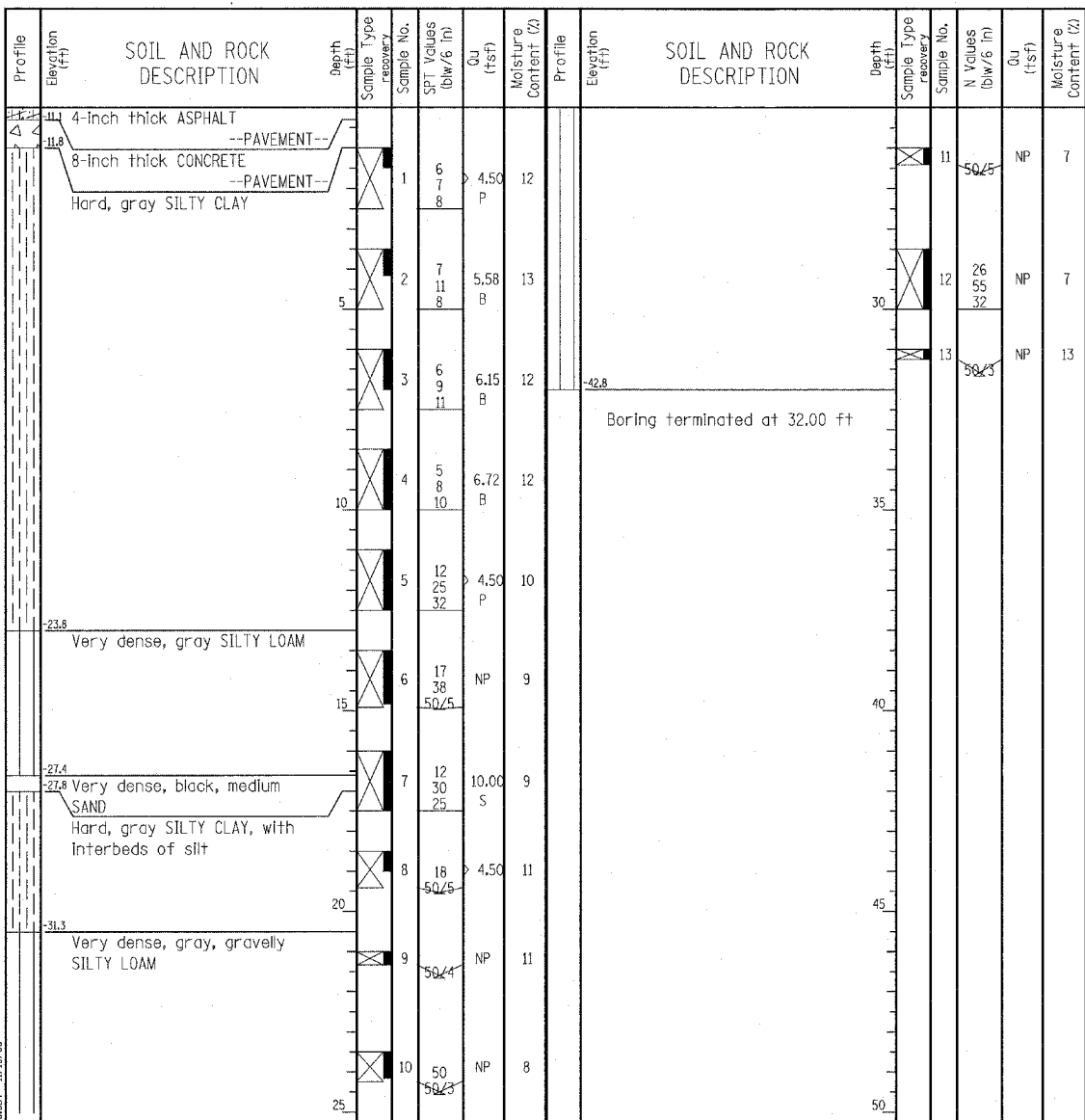
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS JP-01 & JP-03

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

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BORING LOG JP-05
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: -10.82 ft
 North: 1847191.50 ft
 East: 1177727.80 ft
 Station: 2258+24.8
 Offset: 55.13 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

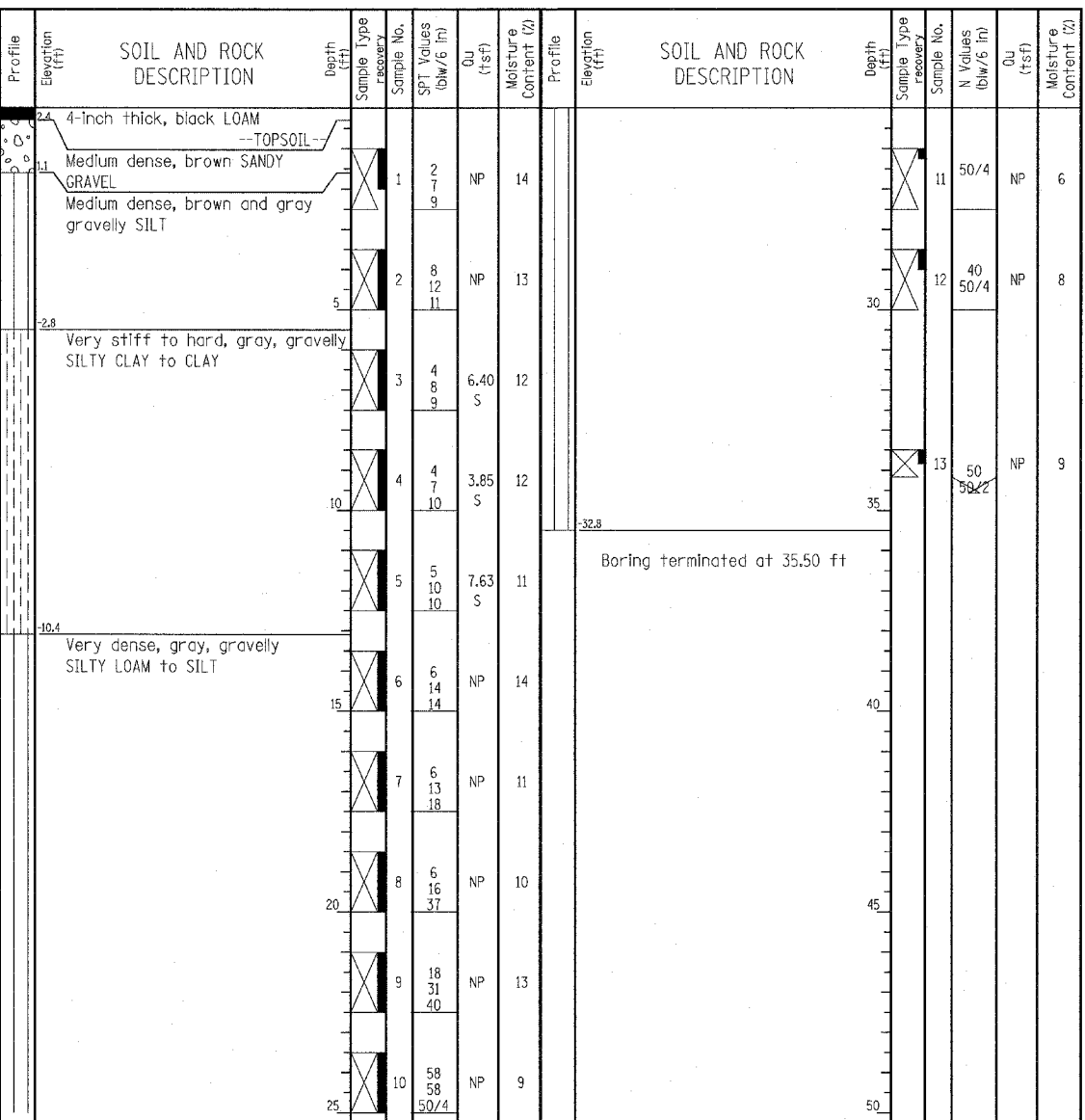


GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-28-2003	Complete Drilling	05-28-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled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

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BORING LOG JP-07
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.71 ft
 North: 1847829.47 ft
 East: 1177737.07 ft
 Station: 2264+62.3
 Offset: 82.66 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	

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

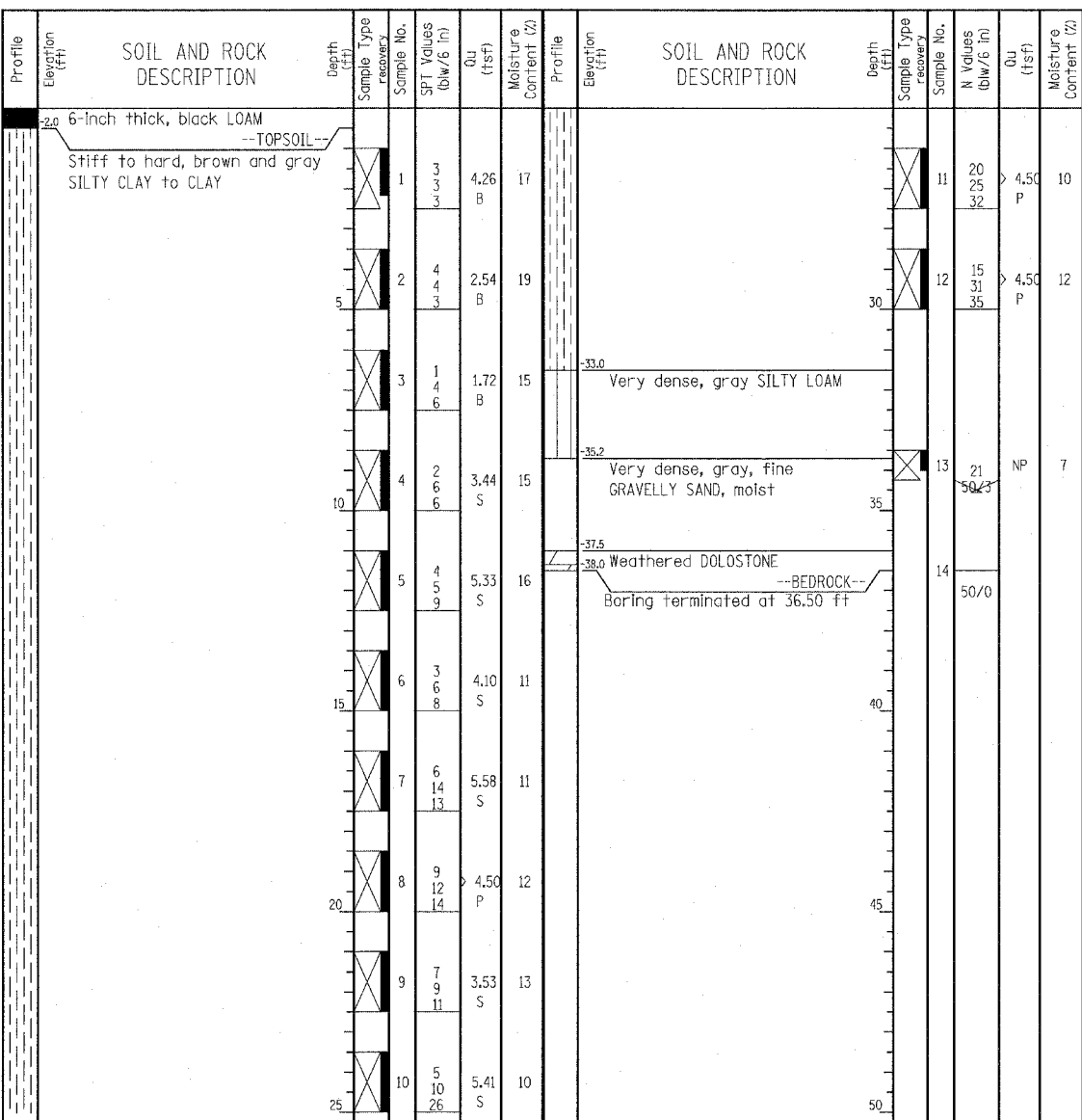
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BORING LOG JP-09
 WEI Job No.: 414-07-01

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



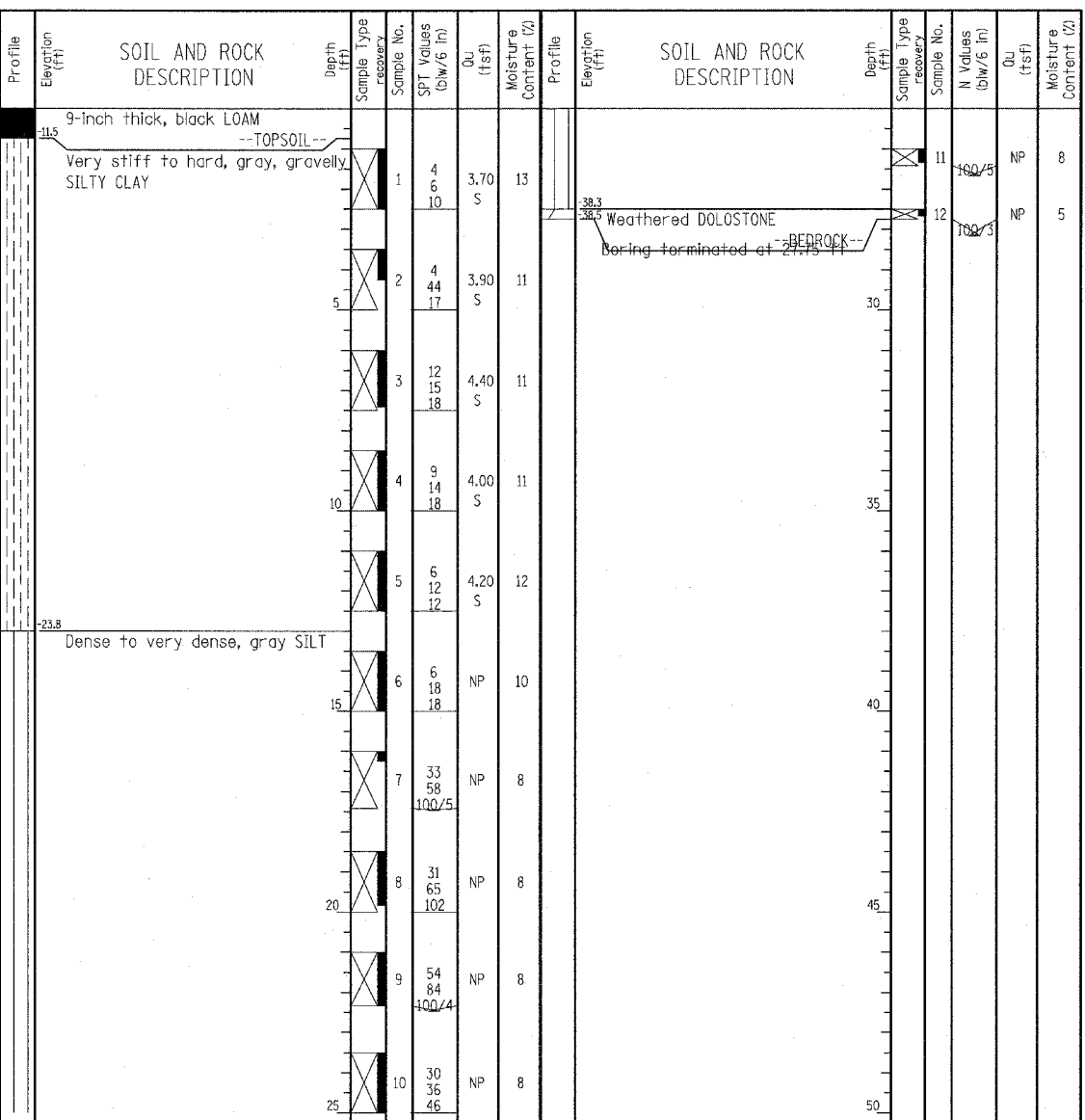
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-08-2003	Complete Drilling	05-08-2003	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&J	Logger	S. Patel	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled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

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG JP-13

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: -7.92 ft
North: 1852511.53 ft
East: 1177587.44 ft
Station: 2311+46.7
Offset: 67.1 RT

Page 1 of 1

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	
	-9.2	15-Inch thick, black SILTY LOAM																
		--TOPSOIL--																
		Stiff to very stiff, brown and gray, gravelly CLAY to SILTY CLAY	1		1	2 4 5	1.80 S	20		-35.4	Very dense, gray, gravelly SILT	11		11	17 20 23	9.84 S	11	
			2		2	3 5 8	2.05 S	19		-36.9		12		12	21 31 42	NP	11	
			3		3	4 7 9	3.77 S	12				30						
			4		4	3 6 8	3.36 S	13										
			5		5													
	-19.1	Medium dense, black, coarse SANDY LOAM, moist	5		5	6 12 13	NP	15										
	-19.6	Very stiff to hard, gray, gravelly SILTY CLAY	6		6	9 14 14	5.82 S	13										
			7		7	8 13 14	2.71 S	15										
			8		8	5 10 10	2.21 S	23										
			9		9	7 12 17	NP	11										
	-28.9	Medium dense, gray, coarse SANDY LOAM, damp	9		9													
	-29.4	Hard, gray, gravelly SILTY CLAY	10		10	12 18 27	6.48 S	11										
			10		10													
			10		10													
GENERAL NOTES Begin Drilling: 05-15-2003 Complete Drilling: 05-15-2003 Drilling Contractor: Patrick Drilling Drill Rig: CME 75 ATV Driller: K&J Logger: S. Patel Checked by: N. Davis Drilling Method: 3.25" ID, HSA; Boring backfilled with bentonite upon completion									WATER LEVEL DATA While Drilling: <input checked="" type="checkbox"/> DRY At Completion of Drilling: <input checked="" type="checkbox"/> DRY Time After Drilling: NA Depth to Water: <input checked="" type="checkbox"/> NA <small>The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.</small>									

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 JP-13

SCALE: N.T.S.	DRAWN BY: RTM
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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

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

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BORING LOG JP-36

Page 1 of 1

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 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 (%)
4.23	18-inch thick CONCRETE --PAVEMENT--							4.23							
4.27	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				
1.3	Stiff to hard, gray CLAY	3	X	3	3 2 2	P	20			35	X				
1.3	Stiff to hard, gray CLAY	4	X	4	3 6 5	S	14			40	X				
1.3	Stiff to hard, gray CLAY	5	X	5	3 5 5	B	13			45	X				
1.3	Stiff to hard, gray CLAY	6	X	6	2 5 5	S	14			50	X				
1.3	Stiff to hard, gray CLAY	7	X	7	3 4 6	S	16				X				
13.0	Very stiff to hard, gray SILTY CLAY, with interbeds of silt	8	X	8	6 8 9	P	12				X				
13.0	Very stiff to hard, gray SILTY CLAY, with interbeds of silt	9	X	9	8 11 11	S	11				X				
13.0	Very stiff to hard, gray SILTY CLAY, with interbeds of silt	10	X	10	8 12 13	P	12				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			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 JP-38

Page 1 of 1

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 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 (%)
12.1	13-inch thick, black LOAM --TOPSOIL--							12.1							
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	1	X	1	3 3 3	S	21	23.8	Stiff to hard, gray SILTY CLAY, with interbeds of silt	11	X	11	6 7 11	3.61 S	13
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	2	X	2	2 1 3	B	21			30	X	12	6 6 8	3.53 S	12
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	3	X	3	1 1 2	B	22			35	X	13	12 16 19	4.50 P	
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	4	X	4	0 0 0	P	16			40	X	14	4 5 10	3.03 B	15
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	5	X	5	0 0 2	B	20			45	X	15	3 4 9	1.39 B	13
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	6	X	6	10 17 11	NP	12				X	16	21 18 29	4.40 P	12
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	7	X	7	4 6 9	S	13				X				
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	8	X	8	5 5 8	S	15				X				
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	9	X	9	6 8 11	P	16				X				
12.1	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM	10	X	10	7 7 11	S	14				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			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 JP-36 & JP-38

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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

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 (%)
22.2	8-inch thick CONCRETE												
21.7	6-inch thick CRUSHED STONE												
21.2	Stiff to hard, gray CLAY to CLAY LOAM	1	16	4.50	16					11	3.85	12	
14.9	Medium dense, brown and black, fine SAND	2	5	2.38	17					12	3.28	13	
13.8	Medium stiff to very stiff, gray CLAY	3	4	1.97	20					13	2.79	14	
10		4	6	NP	11					14	2.79	14	
		5	2	3.00	13					15	3.00	13	
		6	1	1.89	20					16	3.85	13	
		7	0	0.90	20					17	0.90	20	
2.9	Soft, gray CLAY	8	2	1.39	21					18	4.50	13	
0.6	Loose, gray SILT	9	0	0.25	26					19	0.25	26	
-0.1	Very stiff to hard, CLAY to SILTY CLAY, with interbeds of SILT	10	12	4.50	14					20	4.50	14	

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

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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

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 (%)
	Boring terminated at 50.00 ft												

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	
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-39

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



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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.



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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.

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							
5		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												

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												
2.4	4-Inch thick CONCRETE												
2.8	Very stiff, brown and gray CLAY	1	756	3.75	13	P							
	Very stiff to hard, gray CLAY	2	435	3.20	20	B							
5		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	05-05-2003	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.							

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

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

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BORING LOG JP-44
 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: -3.44 ft
 North: 1839280.85 ft
 East: 1178799.30 ft
 Station: 242+84.21
 Offset: 1578.91 RT

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 (%)
-4.9	18-inch thick, black LOAM --TOPSOIL--							-28.9	CLAY, with Interbeds of silt						
	Stiff to hard, brown and gray, gravelly CLAY to CLAY LOAM	1	X	1	9 7 10	1.00	12		Very dense, gray SILTY LOAM	11	X	11	25 39 39	NP	9
		2	X	2	3 6 7	1.64	16			12	X	12	18 36 32	NP	9
		3	X	3	2 5 6	4.20	14			30	X				
		4	X	4	2 4 6	3.53	14								
		5	X	5	2 7 9	3.12	11								
		6	X	6	5 8 8	3.03	15								
		7	X	7	7 15 20	3.00	11								
		8	X	8	6 16 20	NP	11								
		9	X	9	16 19 21	3.00	10								
		10	X	10	11 20 21	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	

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BORING LOG JP-45
 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: 1839237.70 ft
 East: 1178793.78 ft
 Station: 242+63.19
 Offset: 1599.63 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
-2.4	7-inch thick ASPHALT --PAVEMENT--								Very dense, fine black SAND						
	4-inch thick CONCRETE --PAVEMENT--								Very dense, gray SILT						
	Loose, coarse SANDY GRAVEL --BASE COURSE--	1	X	1	8 4 4	3.25	17			11	X	11	27 30 50/4	NP	19
	Very stiff, brown CLAY	2	X	2	4 6 6	NP	17			12	X	12	26 44 47	NP	9
	Loose to medium dense, gray SILT	3	X	3	3 3 4	2.21	14			13	X	13	26 24 28 50	4.76	B
		4	X	4	2 4 5	3.44	14								
		5	X	5	5 10 12	4.10	10								
		6	X	6	7 12 14	7.46	11								
		7	X	7	3 8 9	3.85	12								
		8	X	8	10 22 26	7.46	10								
		9	X	9	17 26 31	8.20	8								
		10	X	10	15 26 31	9.10	10								

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	

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-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
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: 8.28 ft
North: 1840420.73 ft
East: 1177984.72 ft
Station: 246+82.74
Offset: 301.1 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 (%)
7.0	16-inch thick, black LOAM --TOPSOIL--												
	Medium stiff to very stiff, gray, gravelly CLAY, with silt and sand interbeds	1	5	5.4	3.53	13			11	20	12	14	6.81
		2	1	2	1.89	18			12	10	11	14	6.81
		3	1	0	0.74	21			13	8	16	20	6.31
		4	0	6	2.95	18	-26.2	Dense, gray, medium to coarse, dry GRAVELLY SANDY LOAM	13	8	16	20	6.31
		5	7	12	2.25	12	-28.7	Very stiff, gray, gravelly SILTY CLAY	14	4	7	13	3.28
-3.9	Medium dense, gray, gravelly coarse SAND	6	3	7	6.23	11	-31.7	Boring terminated at 40.00 ft					
-4.7	Very stiff to hard, gray, gravelly CLAY	7	2	5	3.61	13							
		8	2	4	3.77	16							
		9	4	4	2.71	18							
		10	2	4	3.03	18							

GENERAL NOTES	WATER LEVEL DATA
Begin Drilling: 05-06-2003 Drilling Contractor: Patrick Drilling Driller: K&J Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite upon completion	While Drilling: 12.30 ft At Completion of Drilling: NA Time After Drilling: NA 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-48
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: 10.60 ft
North: 1840403.42 ft
East: 1177936.91 ft
Station: 246+51.80
Offset: 264.6 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 (%)
10.4	3-inch thick ASPHALT --PAVEMENT--												
9.6	9-inch CONCRETE --PAVEMENT--								11	4	6	8	4.26
8.2	Medium dense, brown, fine SAND --BASE COURSE--								12	5	9	14	5.82
	Medium stiff to stiff, gray CLAY	1	11	4	NP	13			12	11	14	15	8.28
		2	3	2	1.15	19			13	6	11	14	8.28
		3	2	1	0.57	20							
		4	1	1	0.82	19							
		5	11	11	NP	16							
	Medium dense, gray SILTY LOAM, with silty clay interbeds												
		6	5	7	6.40	12							
		7	4	9	6.07	12							
		8	3	7	5.58	13							
		9	4	4	3.28	16							
		10	5	7	2.95	18							

GENERAL NOTES	WATER LEVEL DATA
Begin Drilling: 05-29-2003 Drilling Contractor: Patrick Drilling Driller: K&J Drilling Method: 3.25" ID HSA; Boring backfilled with bentonite upon completion	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 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-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

Datum: CCD
Elevation: -3.97 ft
North: 1839921.94 ft
East: 1177180.33 ft
Station: 238+50.04
Offset: -65.13

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

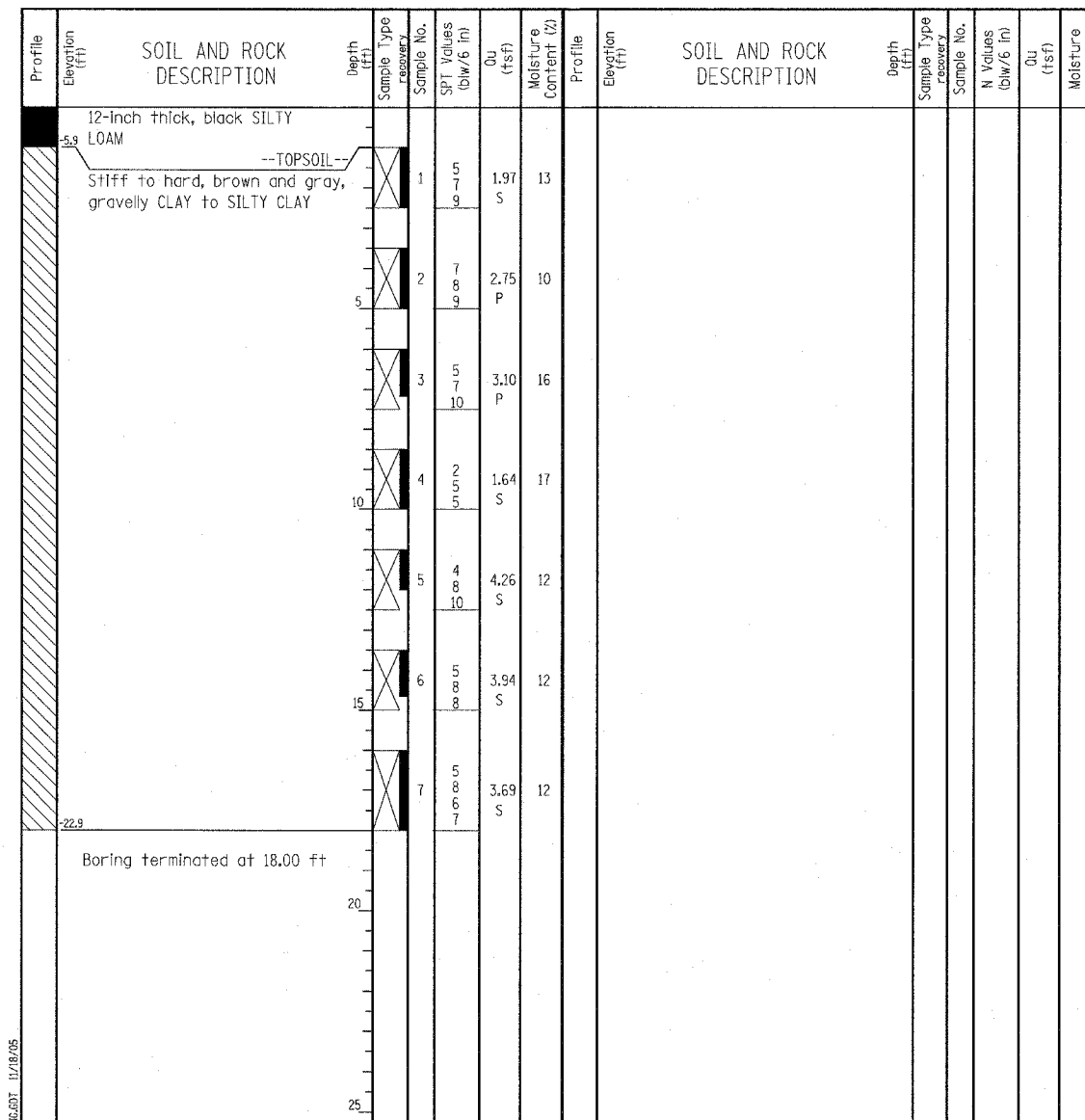
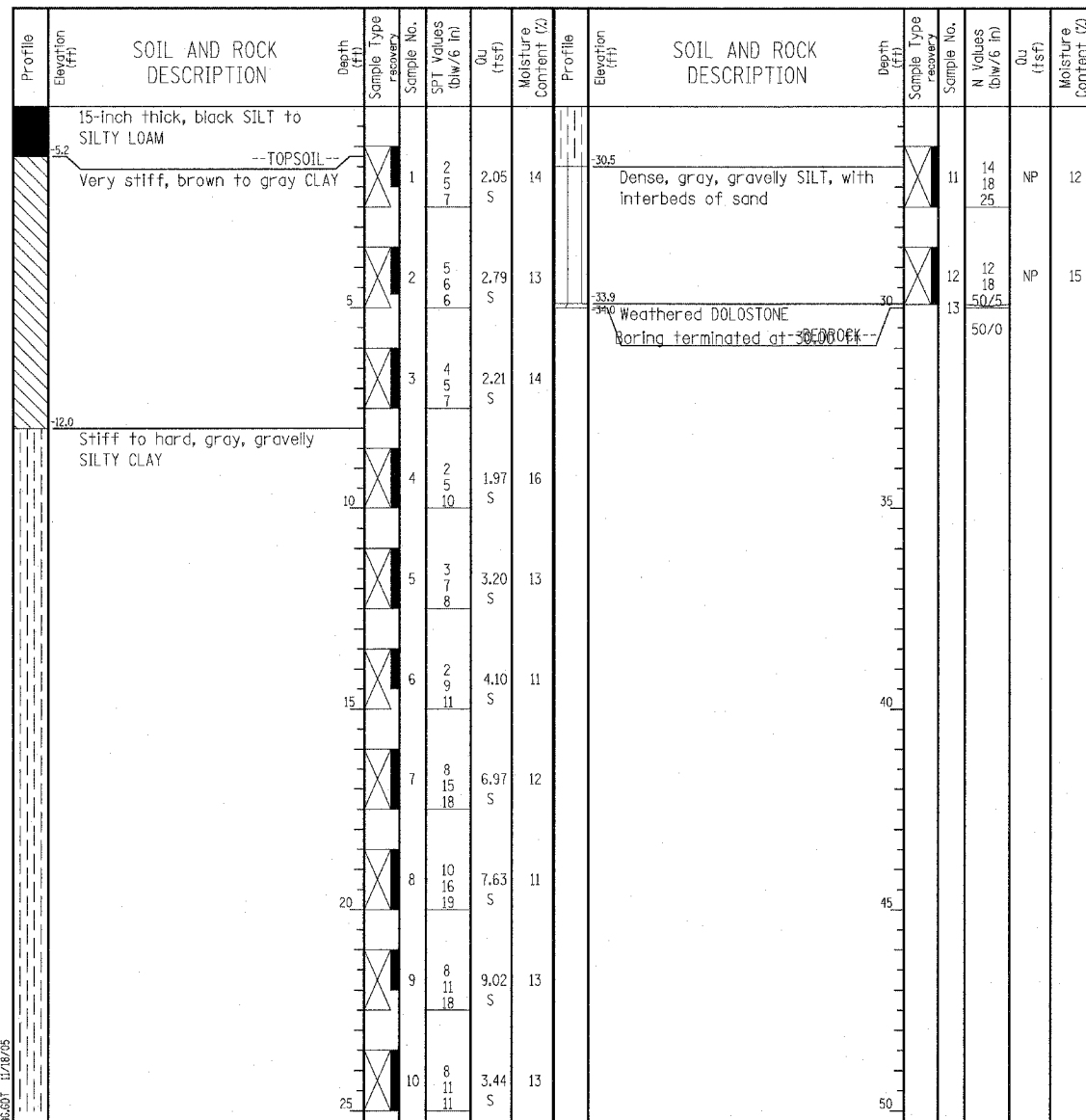
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BORING LOG JP-51

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -4.91 ft
North: 1839820.00 ft
East: 1177244.96 ft
Station: 238+30.93
Offset: 54.06

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	05-16-2003	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	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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

LEGEND

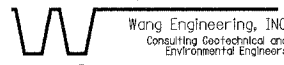
- NP NON-PLASTIC
- B BULGE FAILURE
- S SHEAR FAILURE
- P POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS JP-50 & JP-51

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



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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 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 (%)
4.3	8-inch thick ASPHALT --PAVEMENT-- Very stiff to hard, gray CLAY	0		1	3 4 6	3.50 P	16	4.0		0		11	11 19 24	4.50 P	10
		5		2	6 9 7	4.00 P	17	30		30		12	9 17 19	4.50 P	9
		10		3	6 6 9	4.50 P	18								
4.0	Hard, gray SILTY CLAY	10		4	6 6 10	4.50 P	9	35		35		13	10 15 21	4.50 P	13
		15		5	6 6 9	4.50 P	8								
		20		6	6 8 10	4.50 P	13			40		14	9 26 24	4.50 P	12
		25		7	6 7 9	4.50 P	12								
		30		8	6 9 13	4.50 P	12	-39.0	Medium dense, gray SAND and GRAVEL-size dolostone clasts in a hard, clay matrix	45		15	12 28 32.0	NP	15
		35		9	4 8 12	4.50 P	12		Boring terminated at 44.50 ft --WEATHERED BEDROCK--	50					
		40		10	6 10 14	4.50 P	12								

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

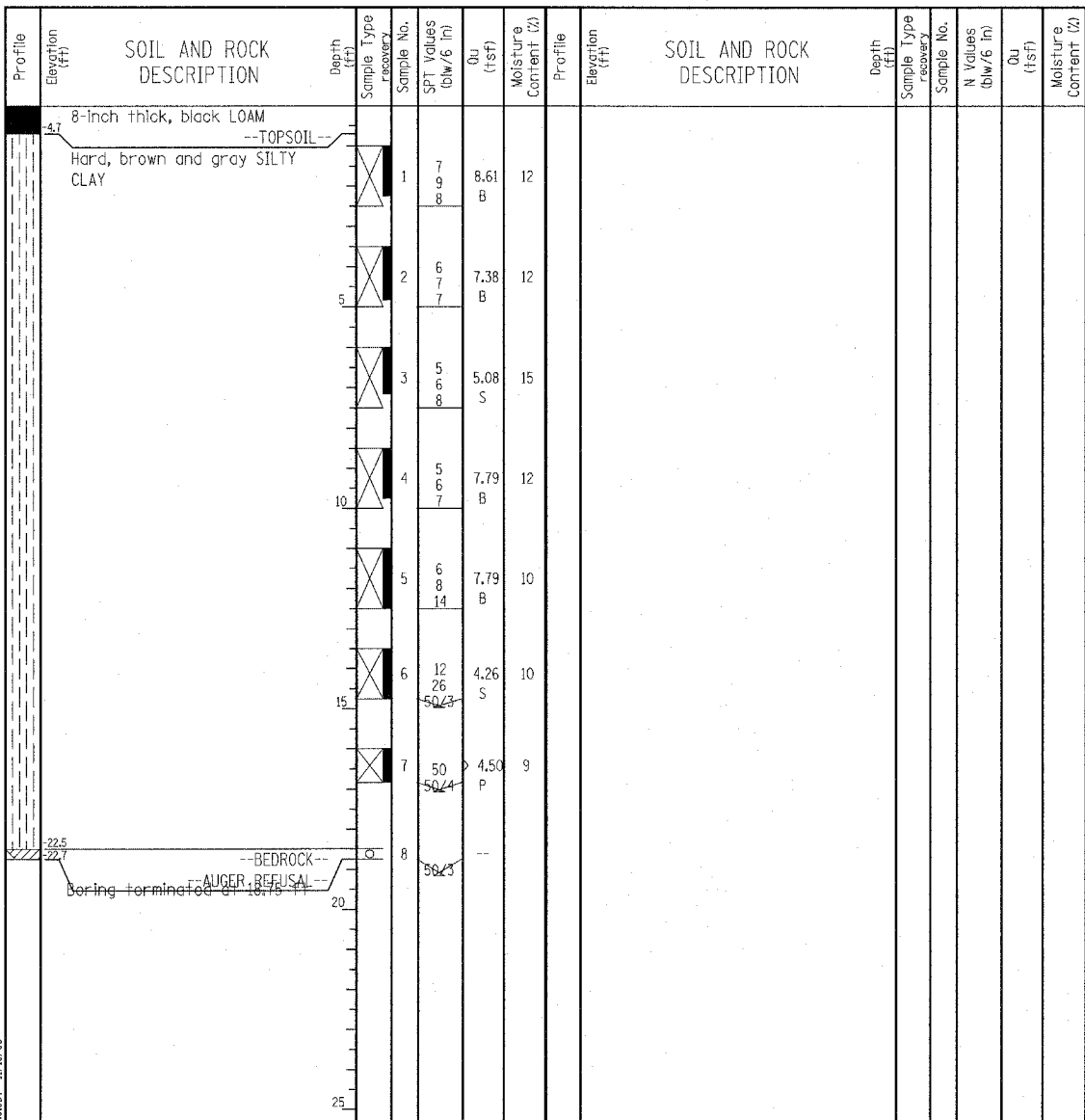
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DATE: MARCH 7, 2006 CHECKED BY: MPG

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BORING LOG SB SGN 01A 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: -3.98 ft
 North: 1839415.15 ft
 East: 1175035.92 ft
 Station: 215+44
 Offset: 48' LT



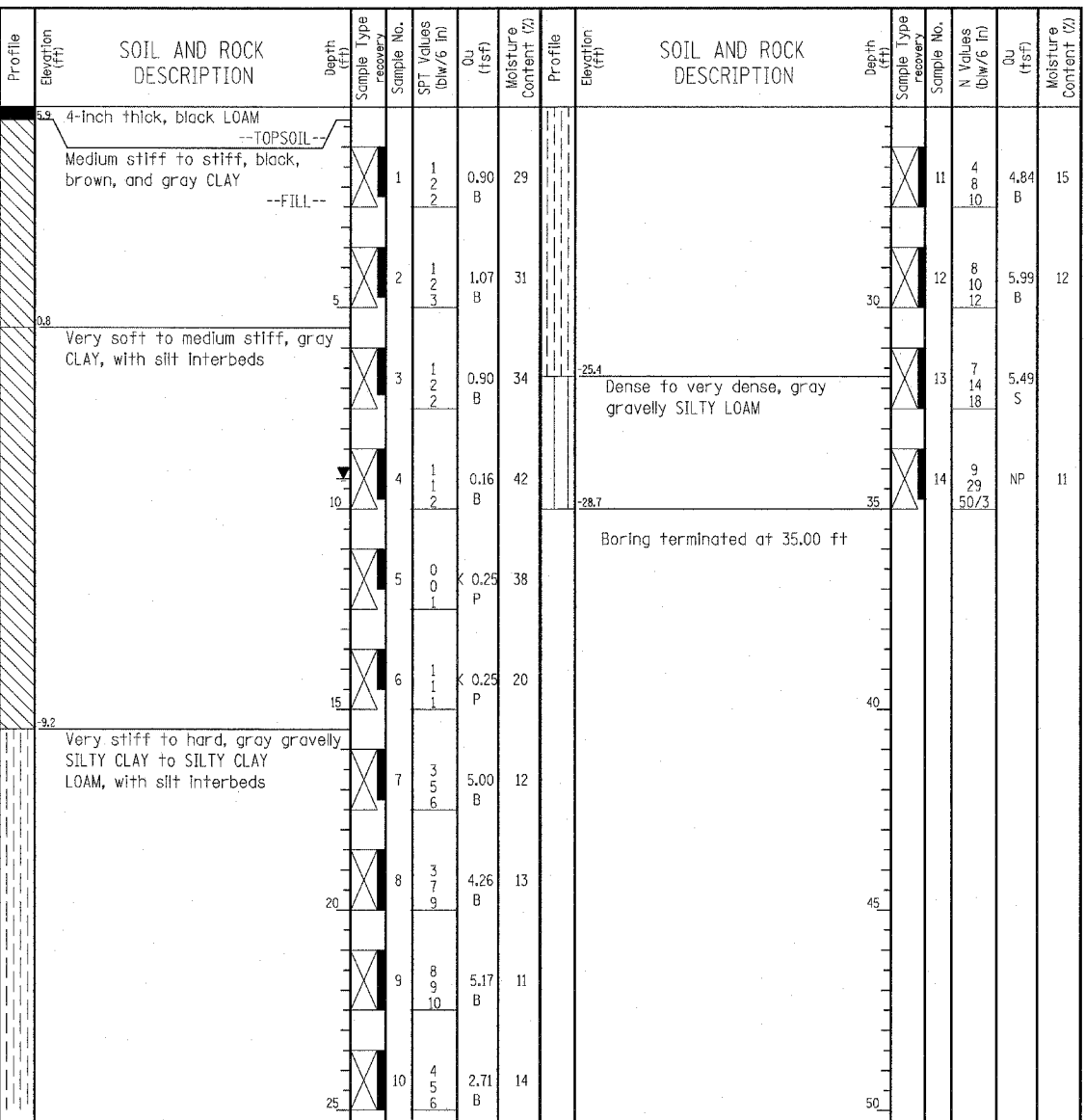
GENERAL NOTES				WATER LEVEL DATA		
Begin Drilling	03-17-2005	Complete Drilling	03-17-2005	While Drilling	∇ DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇ DRY	
Driller	J&L	Logger	Y. Shu	Time After Drilling	NA	
Drilling Method	3.25" ID HSA; Boring backfilled 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
 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: 6.26 ft
 North: 1839269.38 ft
 East: 1175039.04 ft
 Station: 215+44
 Offset: 44' RT



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

REVISIONS	
NAME	DATE

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

SCALE: N.T.S. DRAWN BY: RTM
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BORING LOG SB SGN 02A Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 1.83 ft
 North: 1839454.10 ft
 East: 1176183.41 ft
 Station: 227+29
 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

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 (%)
1.1	8-inch thick, black LOAM --TOPSOIL-- Very stiff to hard, gray LOAM --FILL--	0	1	5 6 5	4.00 P	19				11	12 14 24	6.56 B	11
		5	2	3 3 2	2.00 P	8			30	12	10 15 12	8.61 B	10
-3.7	Medium dense, gray SILT	5	3	3 10 11	NP	13							
-7.4	Medium dense, gray SAND	10	4	7 9 15	NP	16							
-8.7	Very stiff to hard, gray gravelly SILTY CLAY	10	5	4 5 7	3.69 B	14							
		15	6	4 12 13	4.50 P	10							
		20	7	7 11 9	6.31 B	12							
		20	8	7 14 13	5.74 B	11							
		20	9	7 12 15	7.38 B	11							
		25	10	4 20 22	8.61 B	10							

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. 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 SB SGN 02B Page 1 of 1
 WEI Job No.: 414-07-01
 Datum: CCD
 Elevation: 2.39 ft
 North: 1839337.09 ft
 East: 1176183.16 ft
 Station: 227+29
 Offset: 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

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 (%)
2.4	10-inch thick CONCRETE --PAVEMENT-- Very dense, brown coarse SAND --FILL--	0	1	11 17 50/4	NP	36							
-1.4	Medium dense, blue coarse granular SLAG --FILL--	5	2	14 17 8	NP								
-2.6	Loose, brown coarse SAND --FILL--	5	3	2 1 2	NP	18							
-6.1	Stiff to hard, gray SILTY CLAY	10	4	4 10 9	1.64 B	9							
		10	5	4 4 9	5.66 B	14							
-10.6	Hard, gray CLAY	15	6	3 4 7	5.25 B	16							
-13.1	Hard, gray SILTY CLAY	15	7	8 13 14	1.56 B	9							
		20	8	6 9 11	4.50 P	13							
		20	9	7 12 13	5.82 S	12							
		25	10	8 16 22	9.43 B	12							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-09-2005	Complete Drilling	05-09-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	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.			

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-2A & SB-SGN-2B

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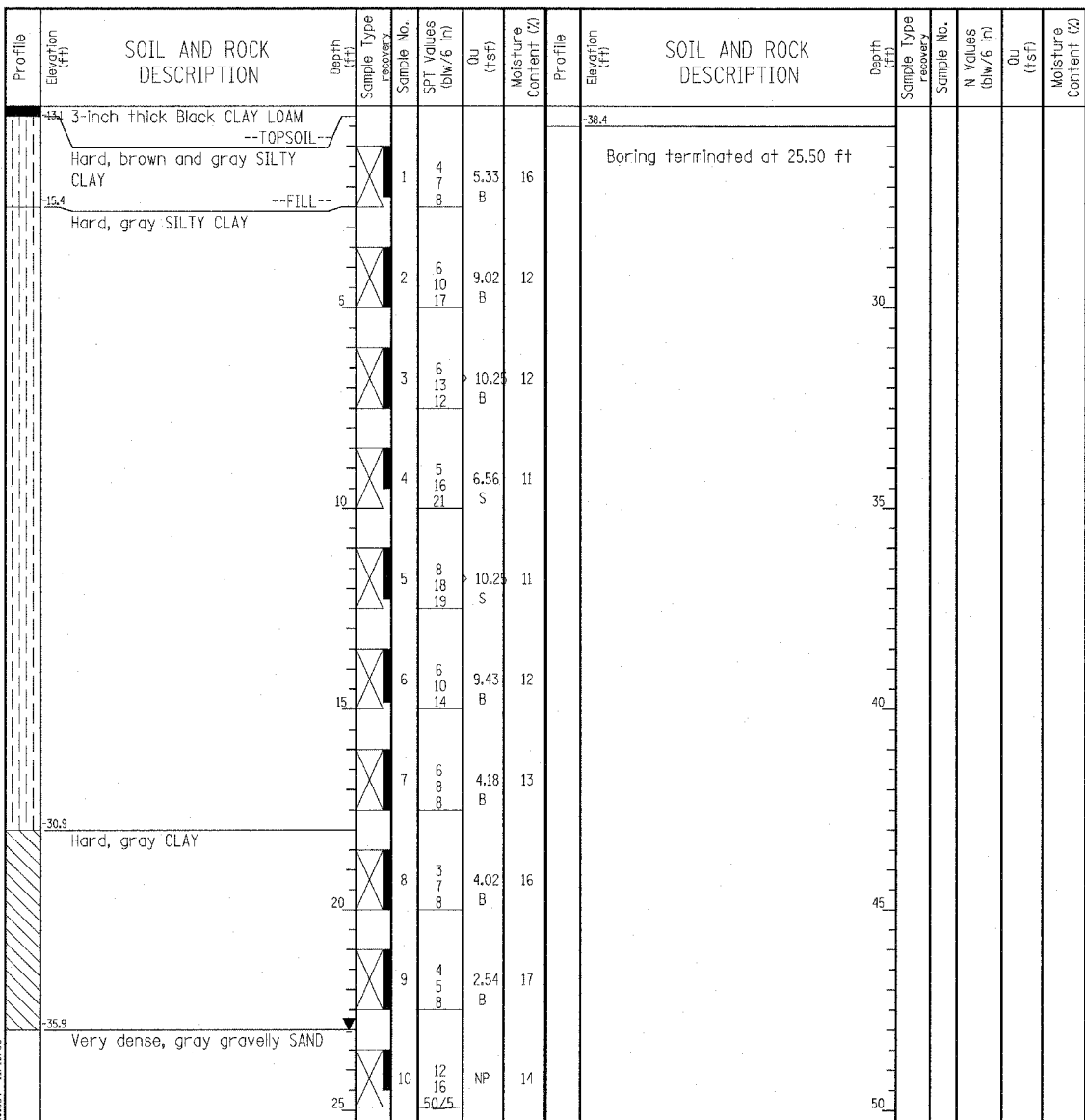
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BORING LOG SB SGN 03A

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: -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				Depth to Water	∇ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.						

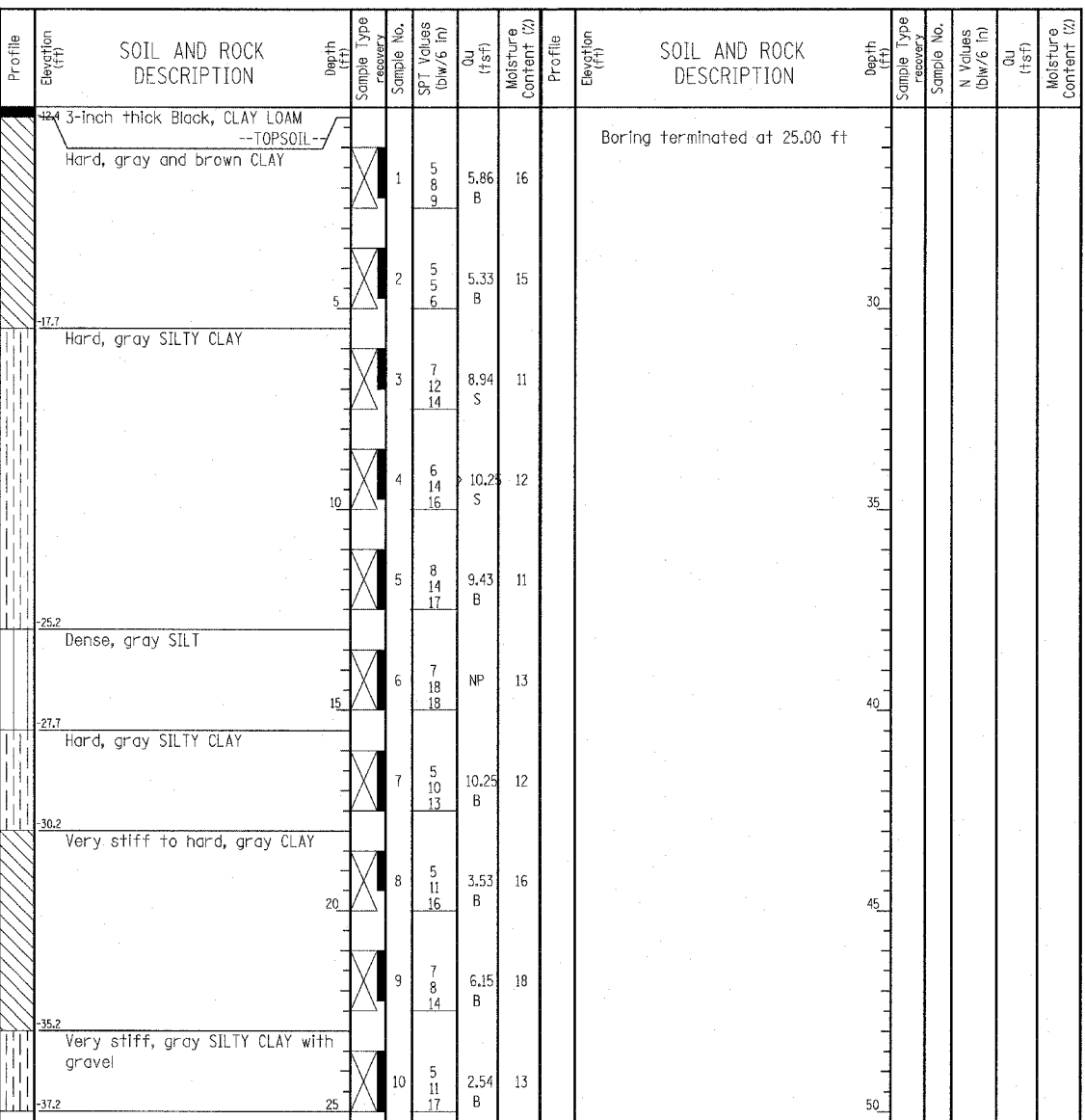
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BORING LOG SB SGN 03B

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: -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				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-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

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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	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 (%)
-22.6	Very stiff to hard gray, gravelly SILTY								Boring terminated at 25.00 ft						
		1		1	3	3.20	18								
		5		2	4	3.53	18			30					
		10		3	2	3.85	18								
		15		4	3	2.71	16								
		20		5	5	2.19	12								
		25		6	4	4.51	13								
				7	3	5.58	9								
				8	4	8.94	11								
				9	6	5.90	11								
				10	6	4.50	9								

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 (%)
-23.3	8-Inch thick Black CLAY LOAM --TOPSOIL-- Hard, brown and gray CLAY --FILL--								Boring terminated at 25.00 ft						
		1		1	11	5.41	19								
		5		2	7	5.33	14			30					
		10		3	6	7.30	13								
		15		4	6	4.92	12								
		20		5	5	7.05	13								
		25		6	6	5.17	12								
				7	8	NP	13								
				8	8	9.84	11								
				9	8	4.92	11								
				10	22	4.50	10								

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		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽	NA	

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		
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-4A & SB-SGN-4B

SCALE: N.T.S. DRAWN BY: RTM
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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.	N 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	10	4.50	10								
		2	8	2.13	11								
		3	11	4.59	14								
		4	8	2.87	15								
-11.3	Medium dense, gray SILT	10	7										
-13.1	Hard, gray gravelly SILTY CLAY	5	7	NP	14								
		6	3	4.50	12								
		7	4	4.10	13								
		8	7	6.15	11								
-23.1	Very dense, gray SILT	9	10	NP	11								
-25.6	Hard, gray SILTY CLAY	10	9	4.50	10								
-26.6	Dense, gray SILT	25	9	2.5									

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.	N 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	9	NP	14								
		2	12	NP	36								
-1.9	Very dense, blue-green GRAVELLY SAND	5	30	50/5									
-2.9	Very stiff to hard, gray SILTY CLAY --FILL-- --SLAG--	3	4	3.28	20								
		4	4	5.66	18								
-7.2	Medium dense, gray SILT	10	6										
-7.9	Stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM, with silt and gravel interbeds	5	3	2.95	12								
		6	6	1.64	12								
		7	5	5.00	14								
		8	5	4.02	12								
		9	6	3.28	11								
		10	6	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

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

TYLIN INTERNATIONAL



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BORING LOG SB SGN 08A

WEI Job No.: 414-07-01


Datum: CCD
Elevation: -3.94 ft
North: 1847790.70 ft
East: 1177644.51 ft
Station: 2264+34
Offset: 9' 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 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 (%)
5.1	14-inch thick, CONCRETE --PAVEMENT--												
	Stiff to hard, gray gravelly SILTY CLAY, with silt interbeds	1	3	2	1.97	28		Boring terminated at 25.40 ft					
		2	8	8	3.69	19							
		3	5	8	4.00	13							
		4	4	6	3.61	13							
		5	6	11	4.51	12							
		6	6	8	4.02	12							
		7	4	8	4.84	12							
		8	6	15	4.50	11							
		9	9	30	4.50	9							
		10	12	50/25	2.71	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	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



Wang Engineering, Inc.
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Fax: 630 953-9938

BORING LOG SB SGN 09A

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -6.37 ft
North: 1849621.27 ft
East: 1177599.76 ft
Station: 2282+42
Offset: 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 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 (%)
4.4	14-inch thick, CONCRETE --PAVEMENT--												
	4-inch thick, CRUSHED STONE --BASE COURSE--	1	10	5	4.50	12		Boring terminated at 26.00 ft					
	Hard, gray gravelly SILTY CLAY, with silt interbeds	2	12	12	4.50	11							
		3	10	13	4.50	10							
		4	5	9	6.89	12							
		5	5	10	8.94	12							
		6	4	11	7.63	12							
		7	5	9	6.48	11							
		8	6	18	6.56	12							
		9	9	30	4.50	9							
	Gray, finely crystalline, medium bedded, slightly to moderately weathered, strong DOLOSTONE												
	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	
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-8A & SB-SGN-9A

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
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 Fax: 630 953-9938

BORING LOG SB SGN 09B 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: 1.11 ft
 North: 1849615.25 ft
 East: 1177735.68 ft
 Station: 2282+42
 Offset: 100' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
0.0	3-inch thick, black SILTY LOAM --FILL--	0.0						-24.4	Dense, gray SILT	11		11	15 22 22	NP	20
0.0	Stiff, black, brown, and gray CLAY --FILL--	1		1	4 2 2	NP	25								
0.0	Loose, brown and black SANDY LOAM to SAND --FILL--	2		2	3 3 3	NP	13	-26.9	Very stiff to hard, gray gravelly SILTY CLAY to SILTY CLAY LOAM	12		12	8 14 13	3.12 S	12
4.4	Soft to stiff, gray CLAY	3		3	0 0 0		21	-32.6	Dense, gray SILT	13		13	8 10 13	4.02 S	13
		4		4	0 2 3		21	-33.9		14		14	19 17 23	NP	11
		5		5	1 4 5		20		Boring terminated at 35.00 ft						
		6		6	2 5 5		19								
		7		7	7 9 11		13								
		8		8	8 8 9		14								
		9		9	6 7 10		14								
		10		10	5 6 9		12								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	02-18-2005	Complete Drilling	02-18-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	K&A	Logger	J. Kasnick	Time After Drilling	NA		
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			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 10A 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: -9.50 ft
 North: 1850352.21 ft
 East: 1177580.69 ft
 Station: 2290+90
 Offset: 12' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
4.4	15-inch thick, CONCRETE --PAVEMENT--	4.4							Boring terminated at 25.00 ft						
4.4	6-inch thick, CRUSHED STONE --BASE COURSE--	5		1	12 6 7	4.50 P	12								
	Hard, gray gravelly SILTY CLAY	2		2	8 10 12	6.15 B	12								
		3		3	10 11 13	7.46 B	11								
		4		4	7 14 19	4.51 S	11								
		5		5	8 9 11	6.15 S	12								
		6		6	6 7 8	5.74 B	13								
		7		7	7 29 50	4.50 P	9								
		8		8	8 50/5	4.50 P	11								
		9		9	50/5	4.50 P	10								
		10		10	50/5	NP	6								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-07-2005	Complete Drilling	04-07-2005	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

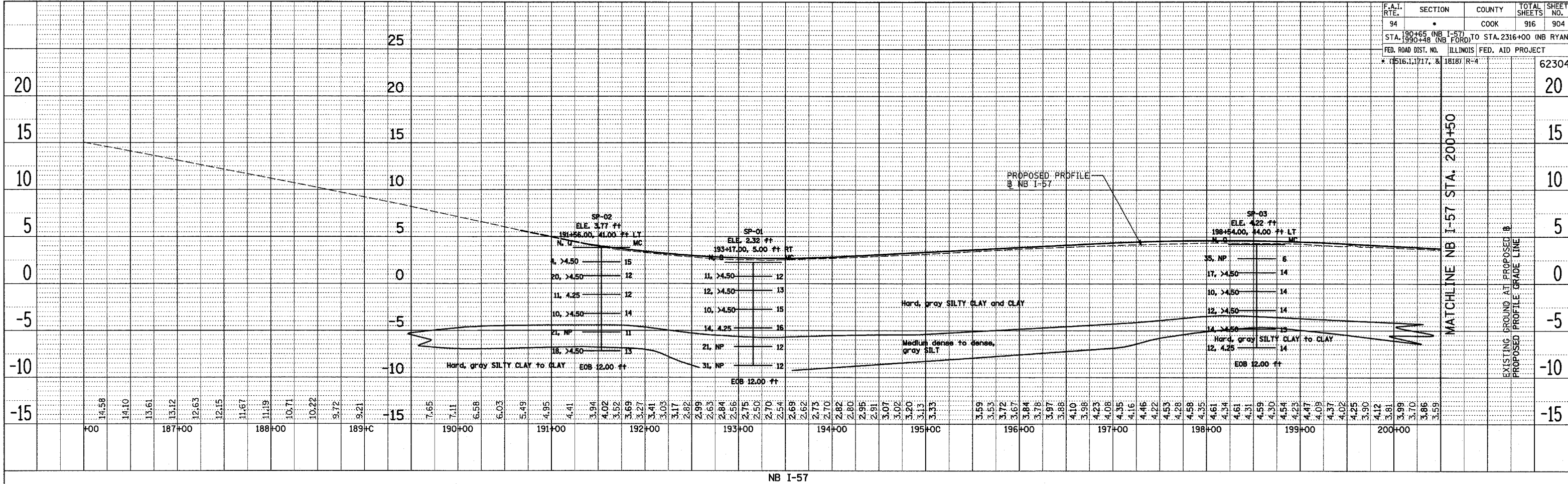
TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORINGS SB-SGN-9B & SB-SGN-10A

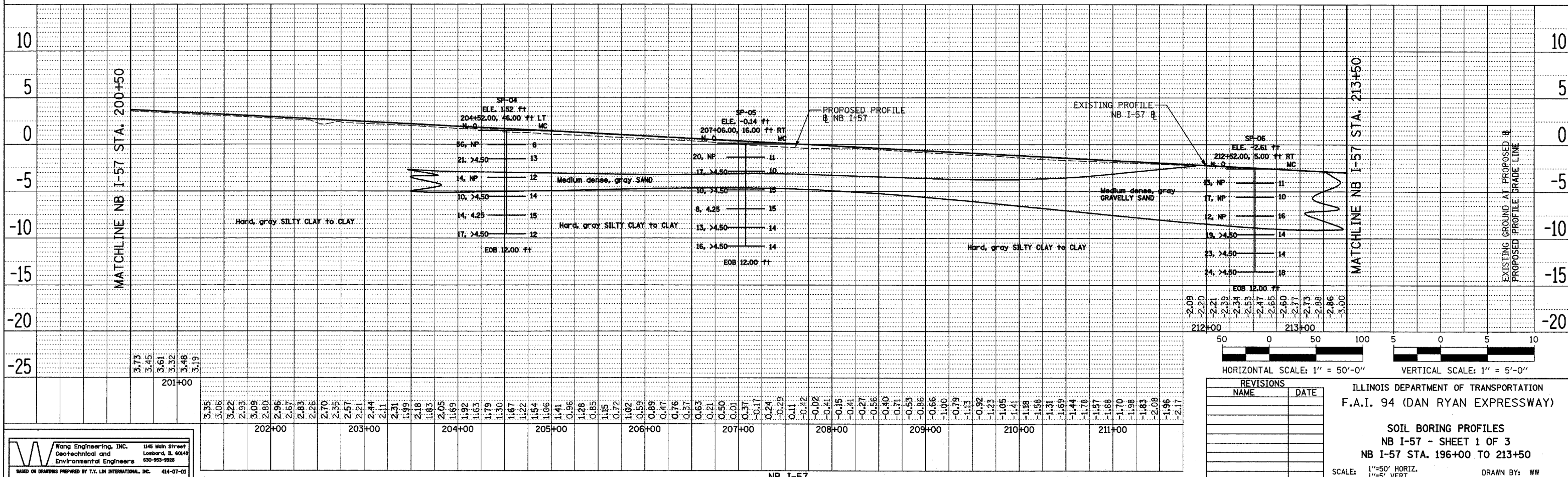
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 DATE: MARCH 7, 2006 CHECKED BY: MPG

DATE	
BY	
REVISIONS	
PLANNED	
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NO.	
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REVISIONS	
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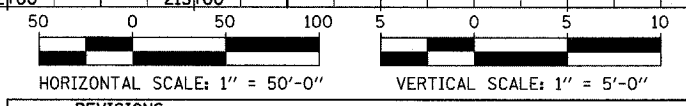


NB I-57

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BY	
REVISIONS	
PLANNED	
NOTED	
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DATE	
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BY	
REVISIONS	
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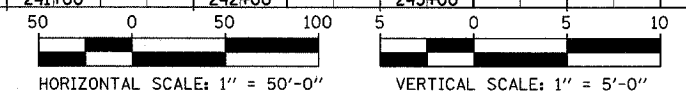
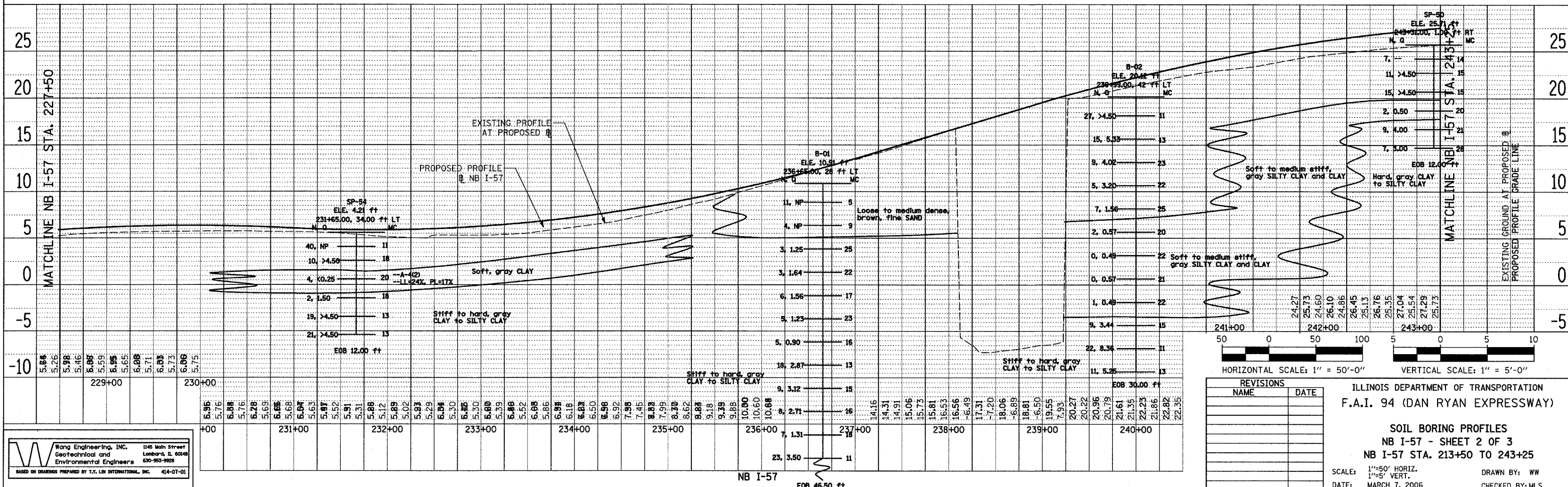
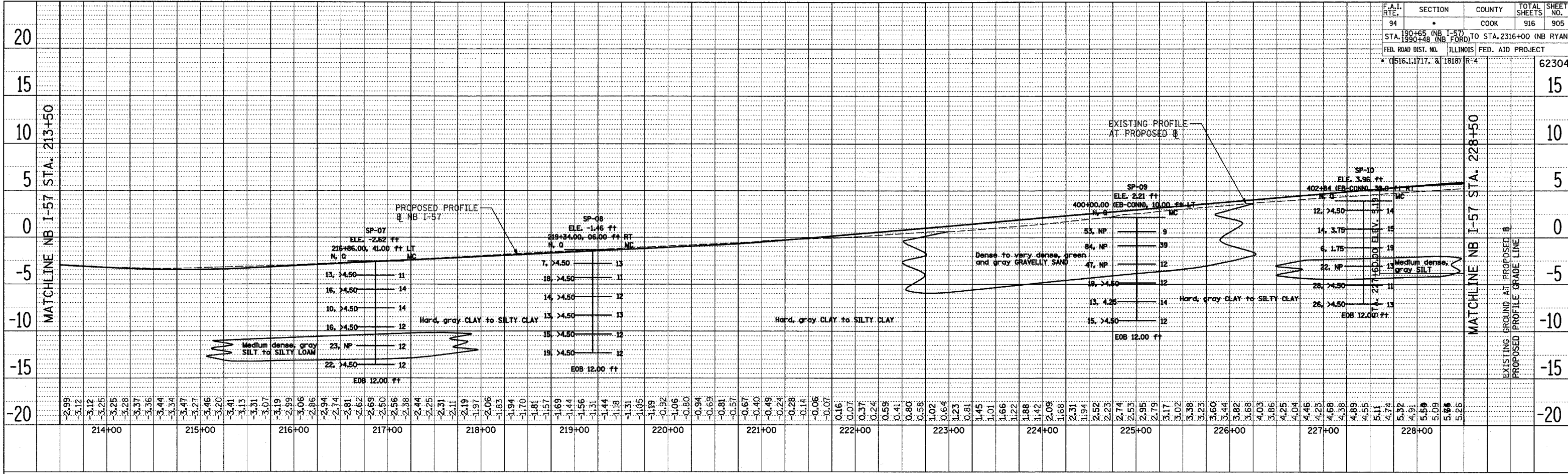


NB I-57



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 NB I-57 - SHEET 1 OF 3
 NB I-57 STA. 196+00 TO 2316+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS



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

SOIL BORING PROFILES
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

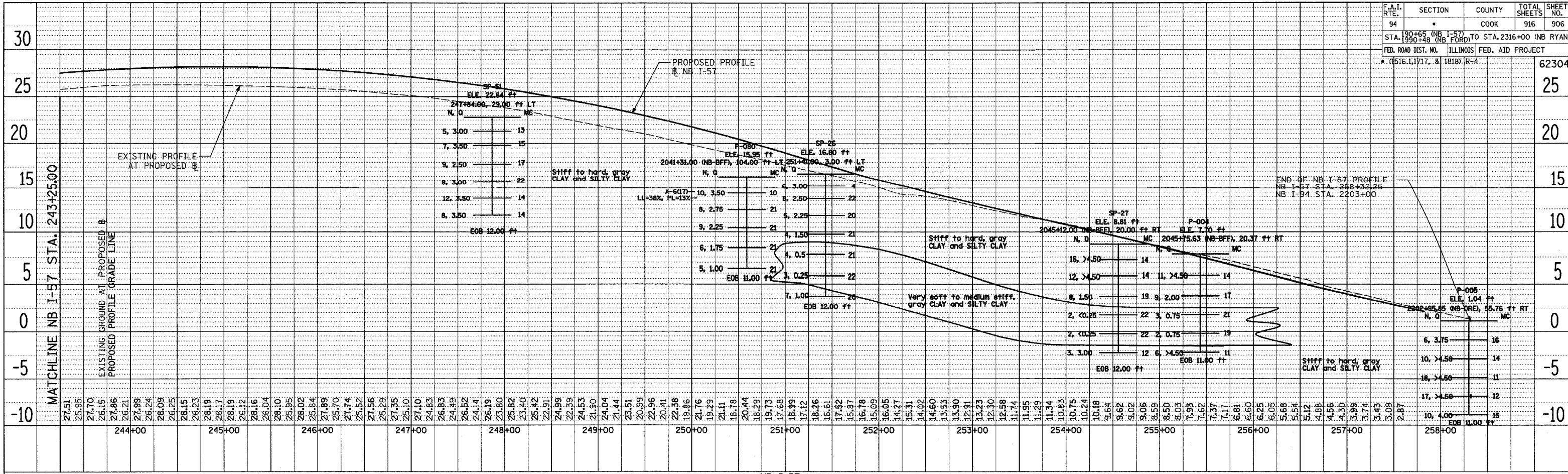
REVISIONS	
NAME	DATE

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

DATE: _____
BY: _____
SUBMITTED: _____
PLANNED: _____
CHECKED: _____
NOTE BOOK NO.: _____
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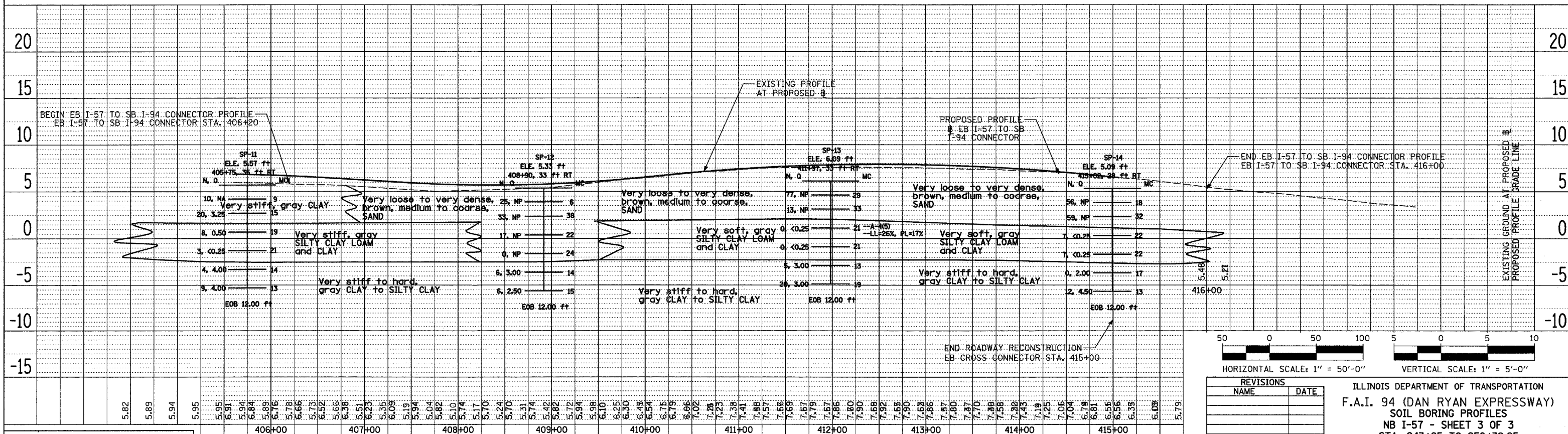
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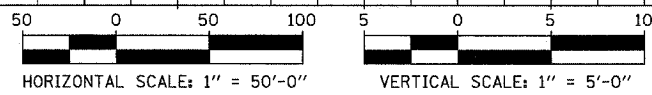


NB I-57

DATE: _____ BY: _____
 SURVEYED, PLOTTED, CHECKED, ALIGNED, FILED, AND CALLED FILE NAME:
 PLAN NO. _____



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

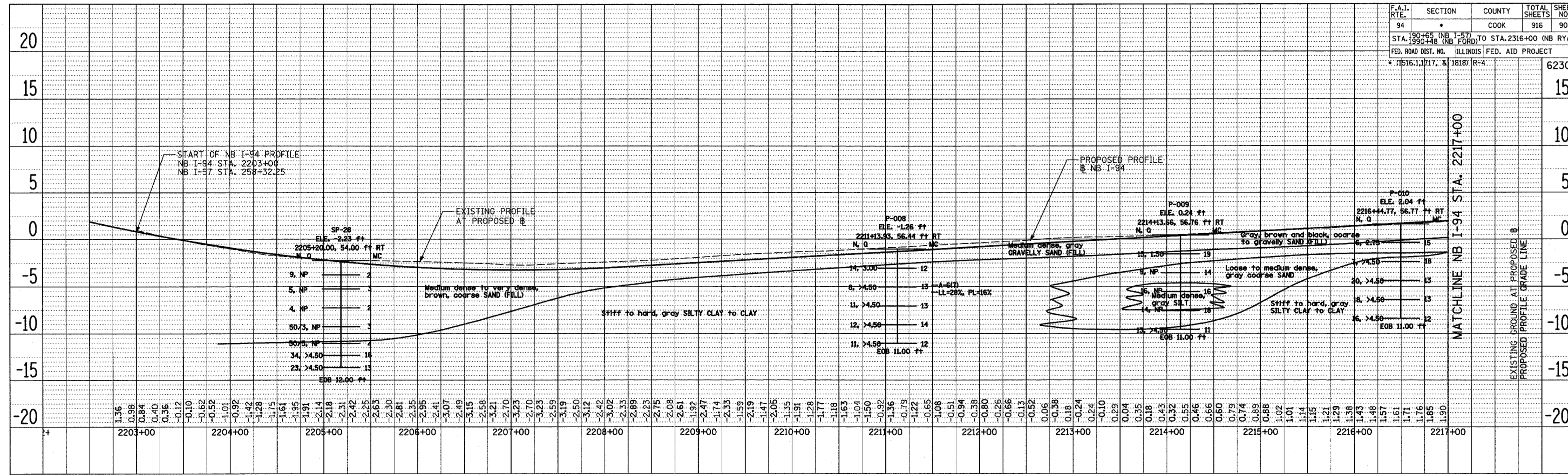


REVISIONS	
NAME	DATE

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

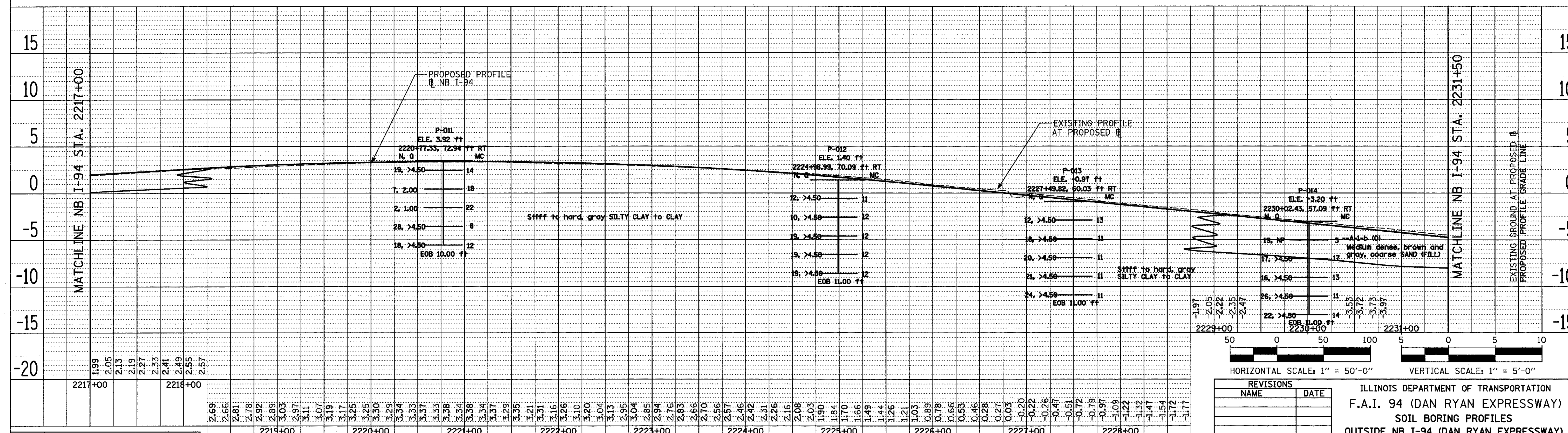
Wang Engineering, Inc. 1545 1/2th Street
 Lombard, IL 60148
 Geotechnical and Environmental Engineers 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN: _____
 CHECKED: _____
 NO. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____
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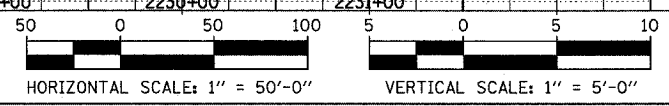


NB I-94 (DAN RYAN EXPRESSWAY)

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 PLAN: _____
 CHECKED: _____
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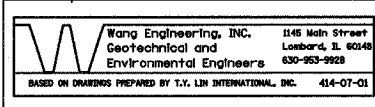


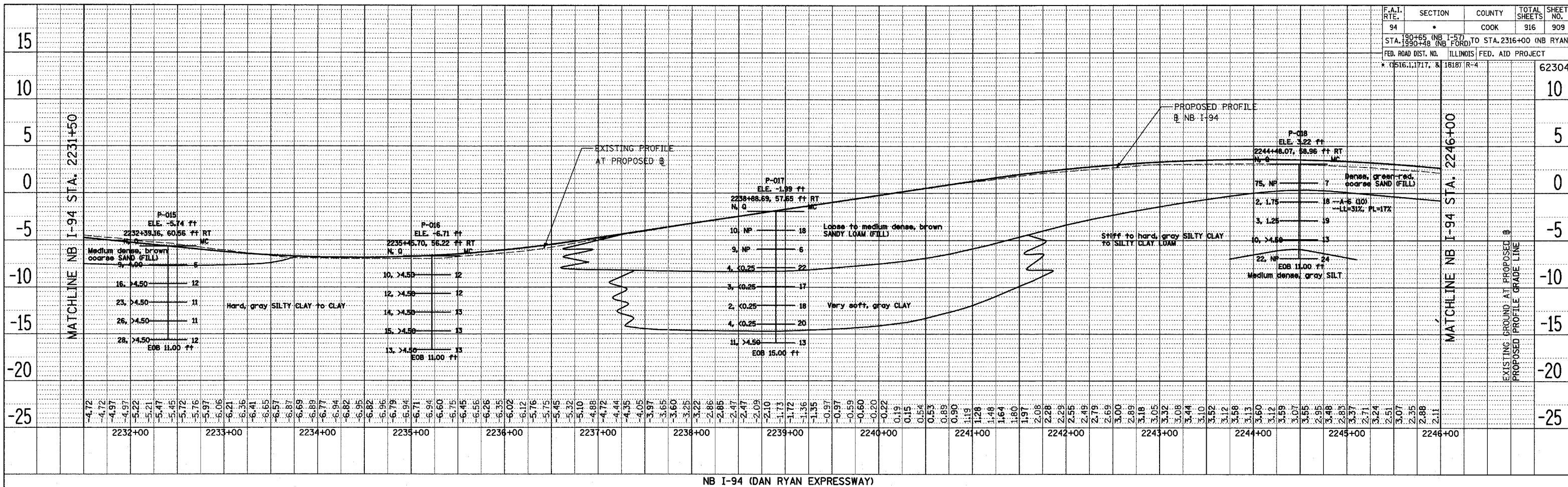
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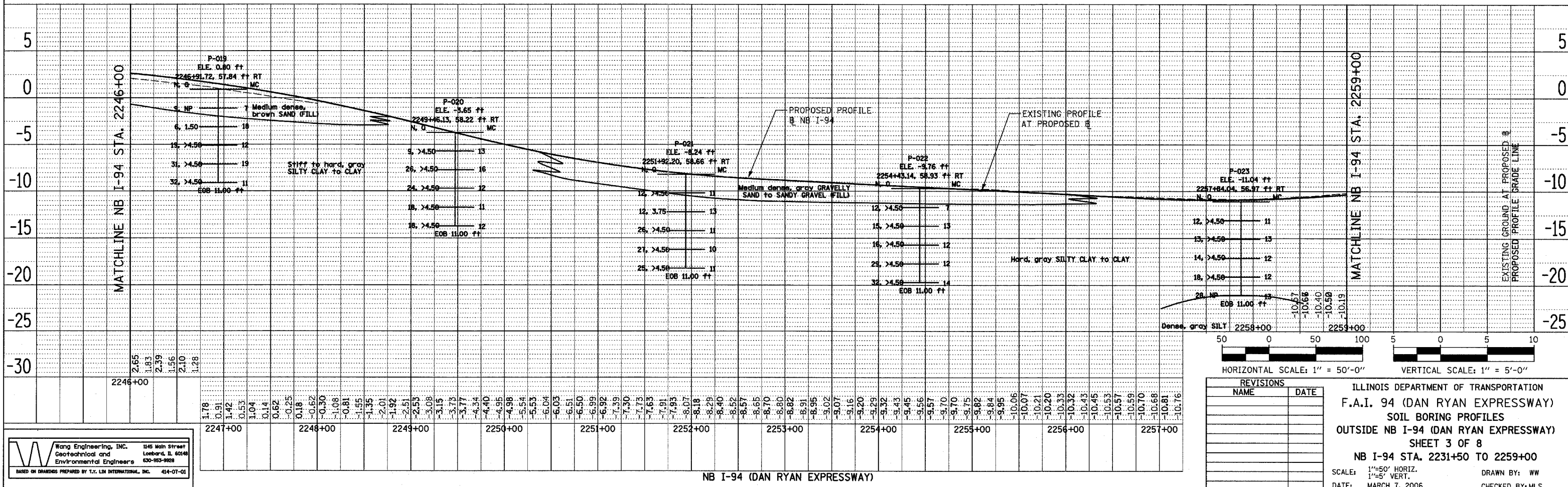
REVISIONS	
NAME	DATE

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

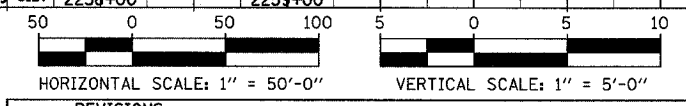




NB I-94 (DAN RYAN EXPRESSWAY)



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. 1545 Main Street
Geotechnical and Lombard, IL 60148
Environmental Engineers 630-953-9928

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

DATE: _____

BY: _____

REVIEWED: _____

PLANNED: _____

ALIGNED: _____

CHECKED: _____

NOTE BOOK NO. _____

CADD FILE NAME: _____

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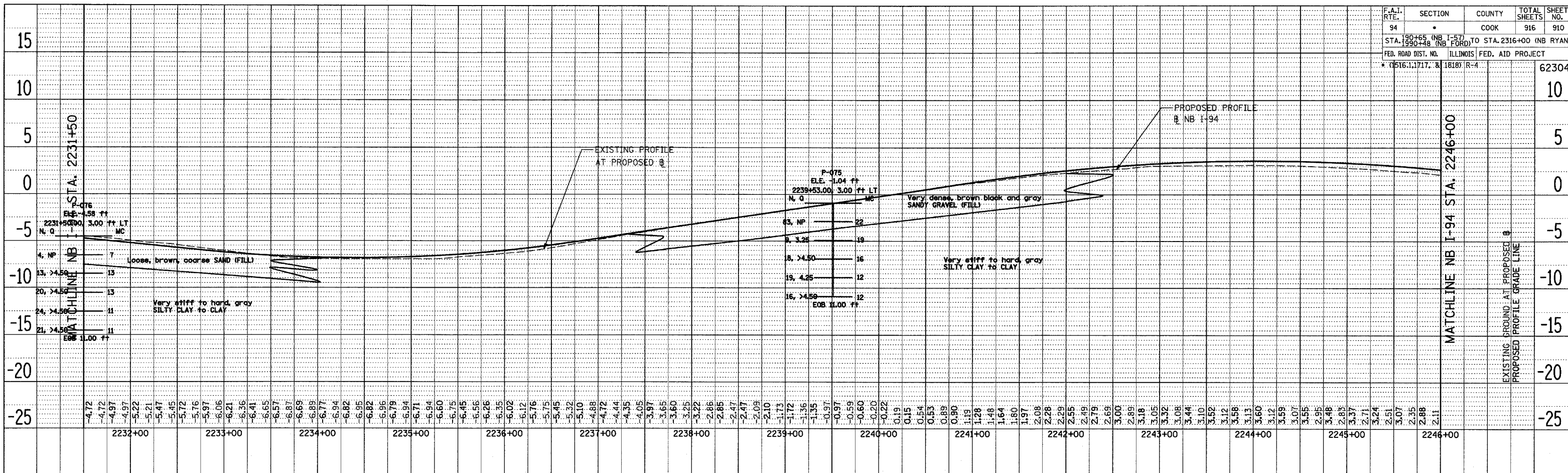
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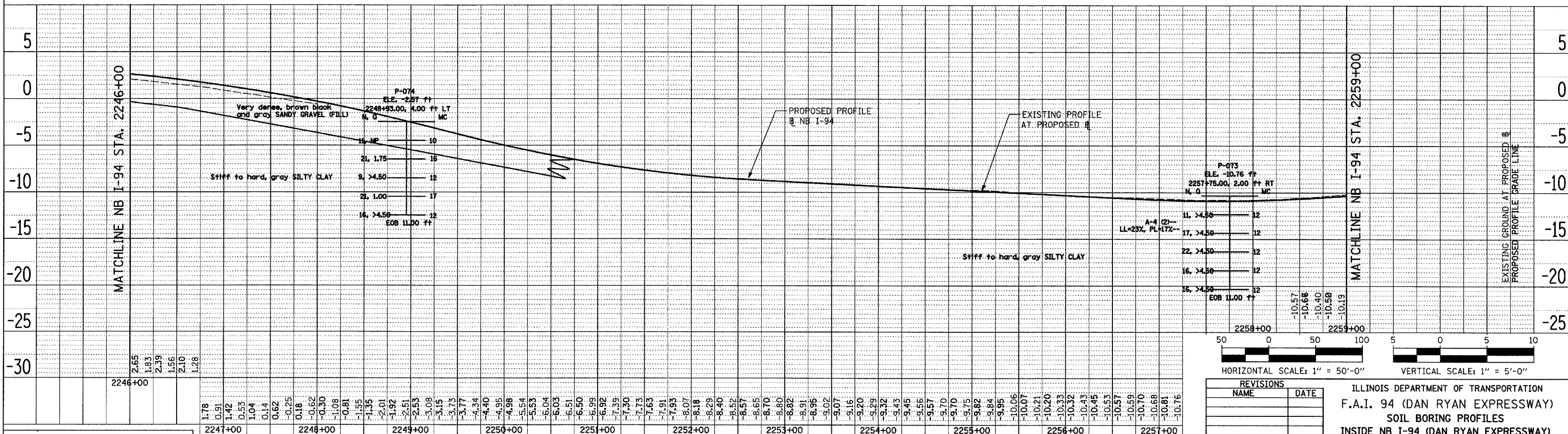
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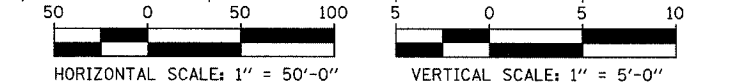
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NB I-94 (DAN RYAN EXPRESSWAY)



NB I-94 (DAN RYAN EXPRESSWAY)

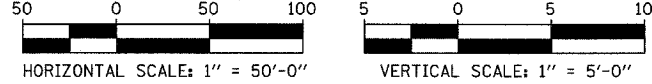
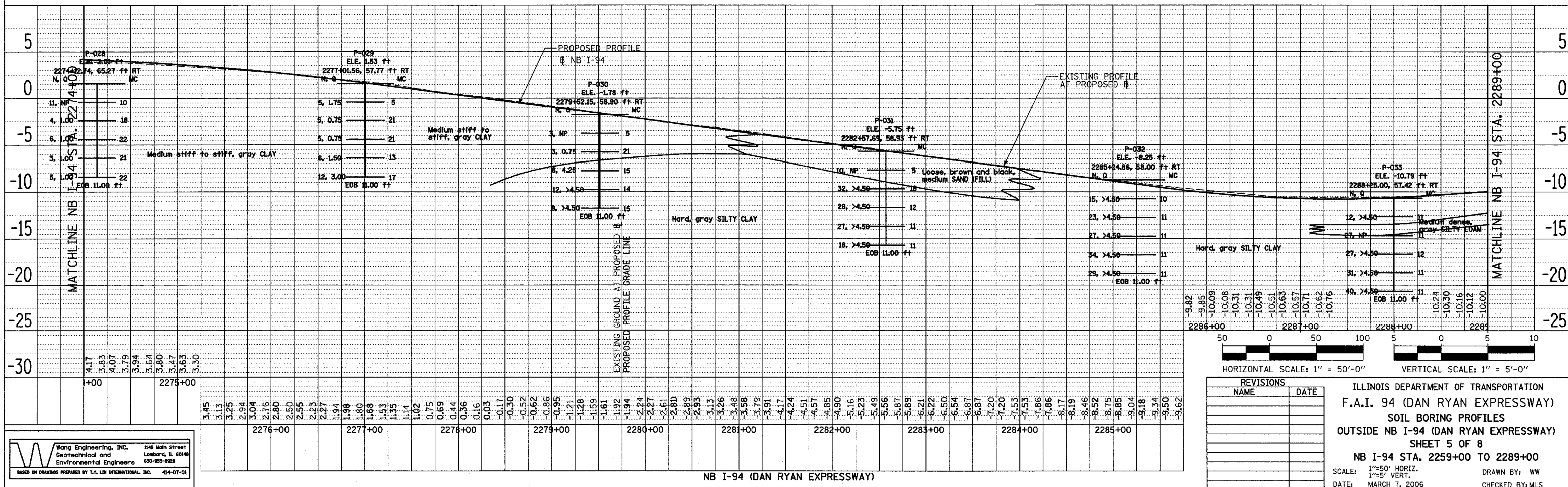
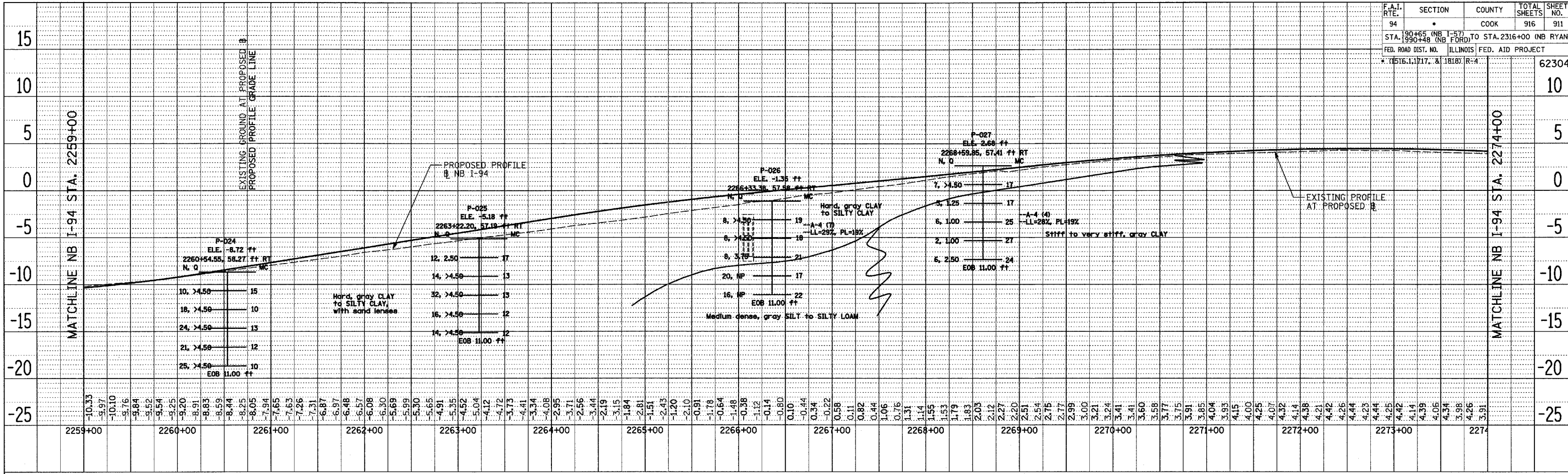


	<p>Wang Engineering, Inc. 1345 Main Street Geotechnical and Environmental Engineers Lombard, IL 60148 630-953-9928</p>
	<p>BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01</p>

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 4 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



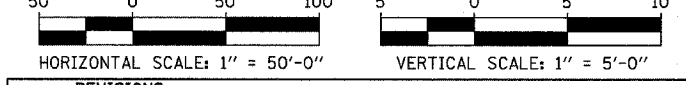
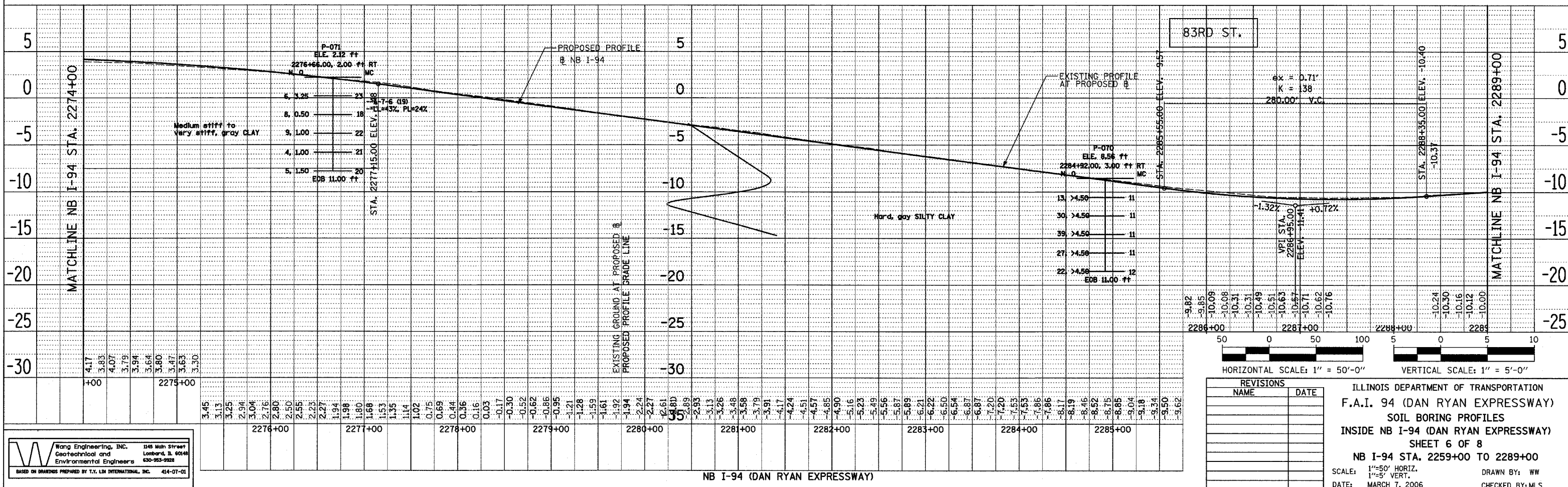
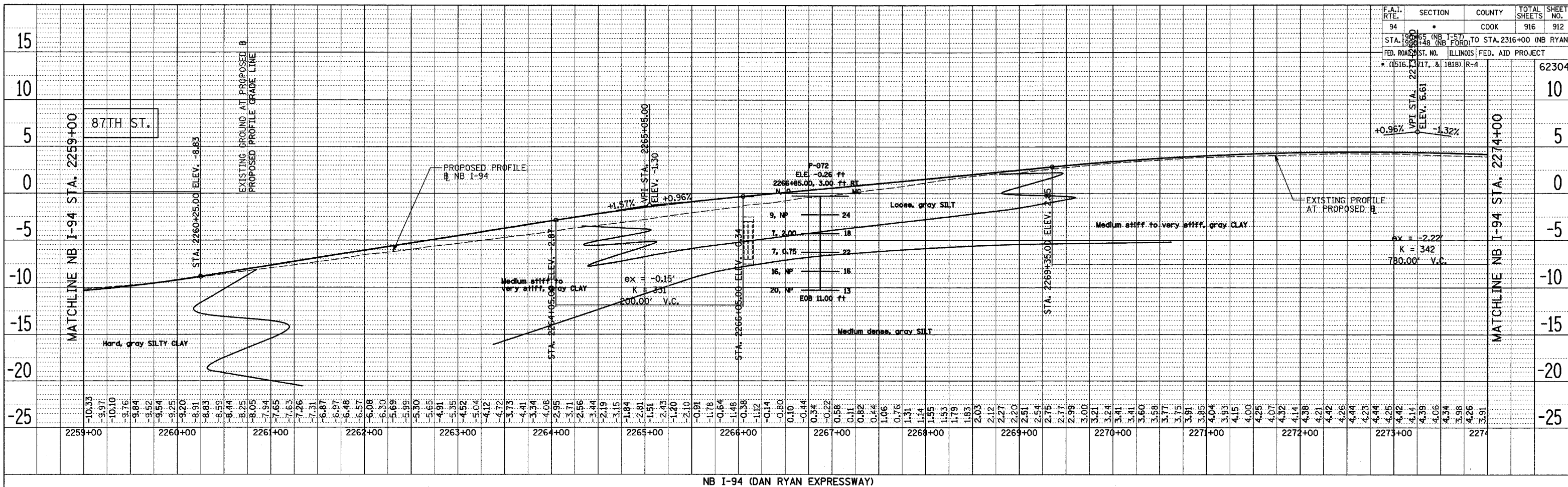
REVISIONS	
NAME	DATE

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

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

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

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



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
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 DATE: MARCH 7, 2006
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 CHECKED BY: MLS

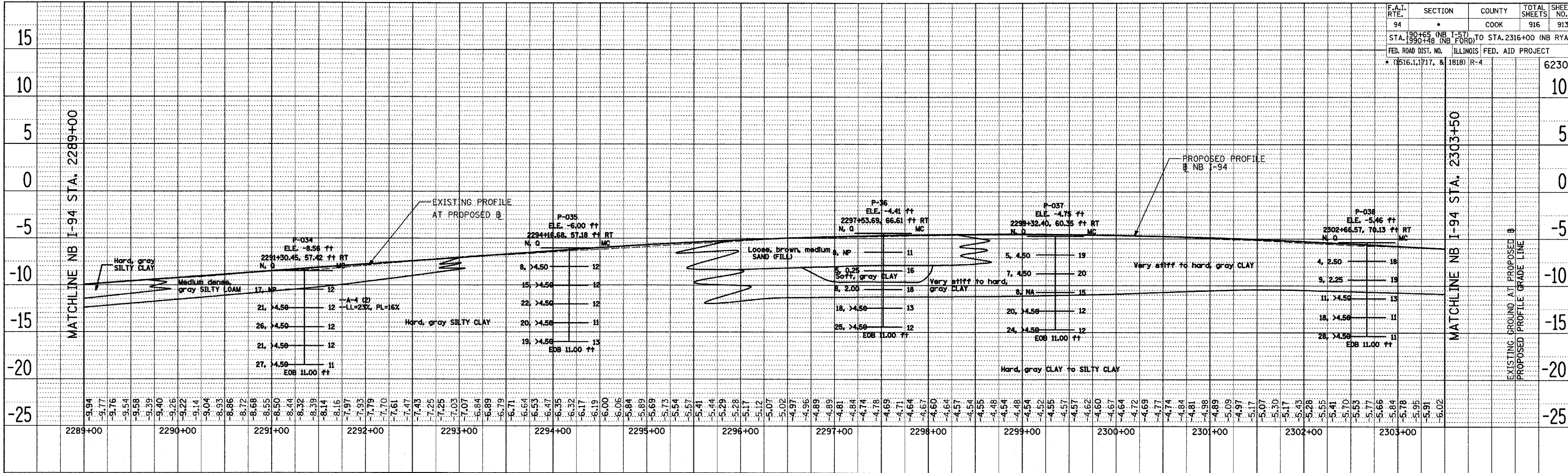
REVISIONS	
NAME	DATE

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 PLAN: _____ ALIGNED: _____ CHECKED: _____
 NOTE BOOK: _____ CAD FILE NAME: _____
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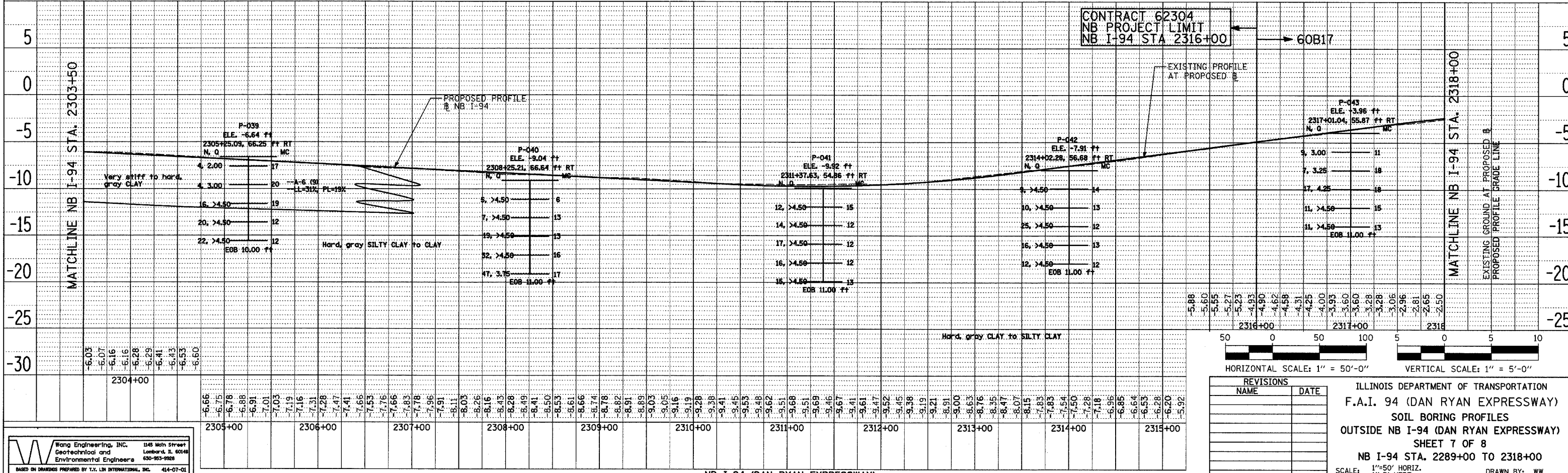
W Wang Engineering, Inc. 1545 Mohr Street
 Geotechnical and Environmental Engineers Lombard, IL 60148
 630-953-9928
 BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

DATE: _____
 BY: _____
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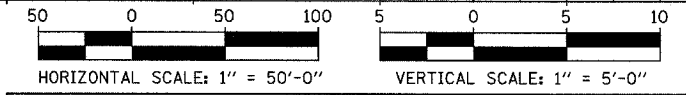


NB I-94 (DAN RYAN EXPRESSWAY)

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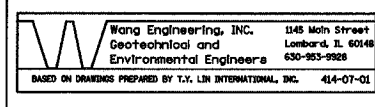


NB I-94 (DAN RYAN EXPRESSWAY)

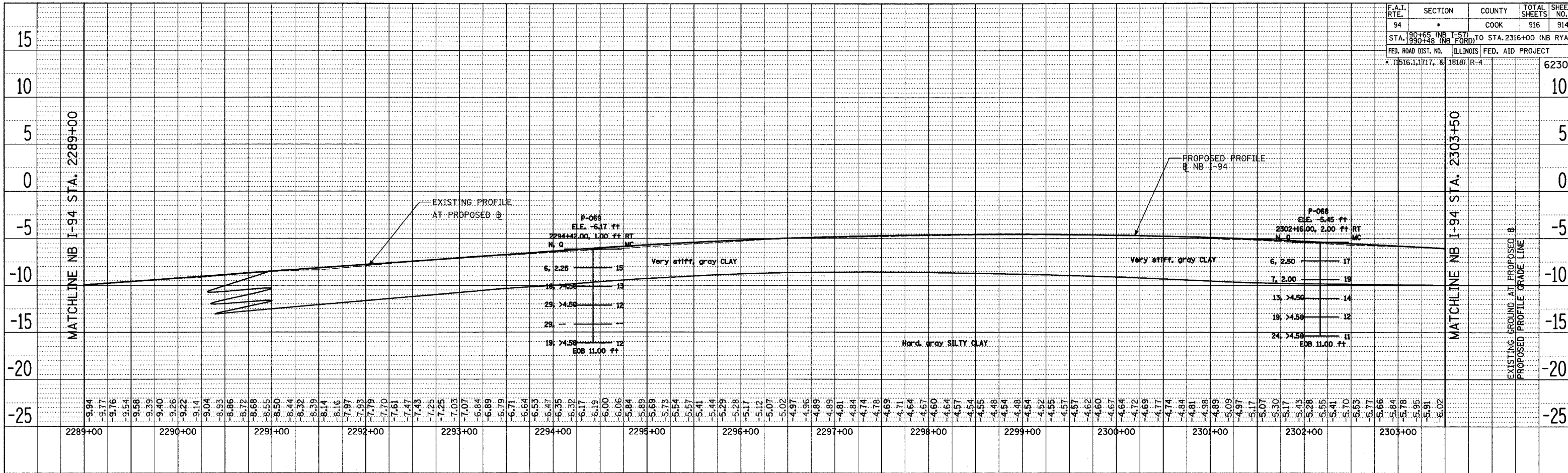


REVISIONS	
NAME	DATE

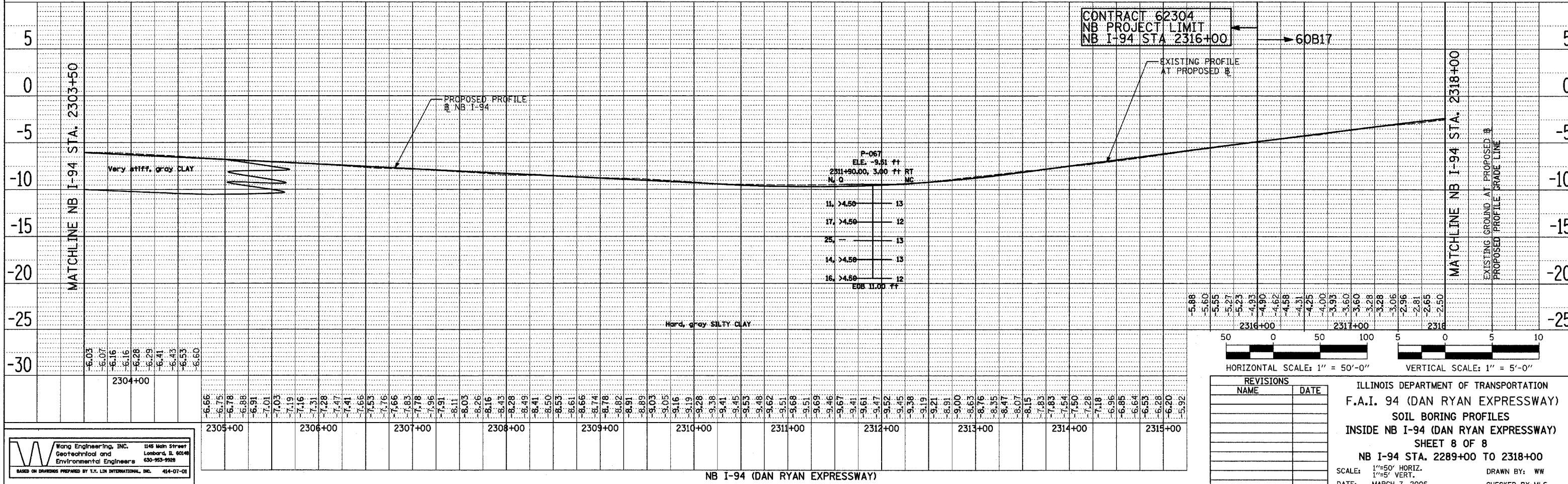
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 SOIL BORING PROFILES
 OUTSIDE NB I-94 (DAN RYAN EXPRESSWAY)
 SHEET 7 OF 8
 NB I-94 STA. 2289+00 TO 2318+00
 SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 7, 2006
 DRAWN BY: WW
 CHECKED BY: MLS



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) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (1516.1, 1717. & 1818) R-4				
				62304



NB I-94 (DAN RYAN EXPRESSWAY)



NB I-94 (DAN RYAN EXPRESSWAY)

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

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

REVISIONS	
NAME	DATE

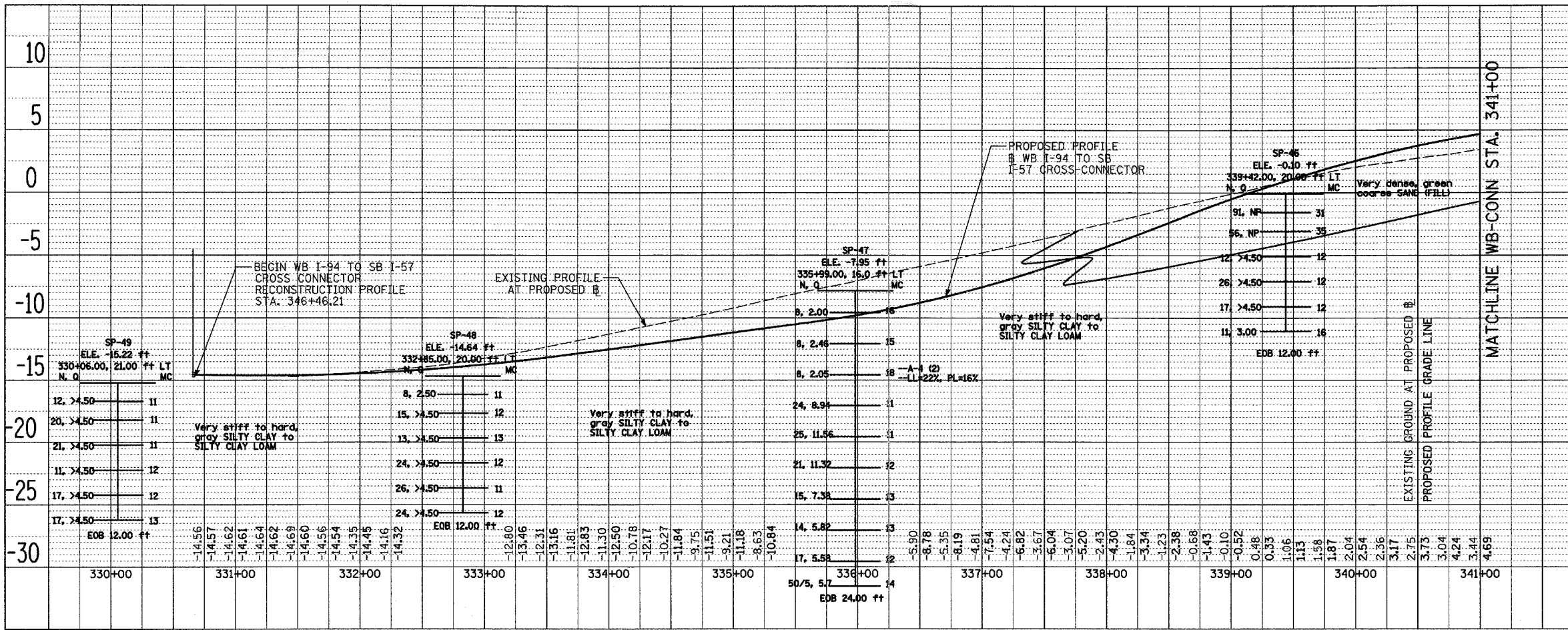
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORING PROFILES
INSIDE NB I-94 (DAN RYAN EXPRESSWAY)
SHEET 8 OF 8
NB I-94 STA. 2289+00 TO 2318+00
SCALE: 1"=50' HORIZ. 1"=5' VERT.
DATE: MARCH 7, 2006
DRAWN BY: WW
CHECKED BY: MLS

W Wang Engineering, Inc. 1145 Mich Street
Geotechnical and Environmental Engineers Lombard, IL 60148
630-953-9588
BASED ON DRAWINGS PREPARED BY T.Y. LIN INTERNATIONAL, INC. 414-07-01

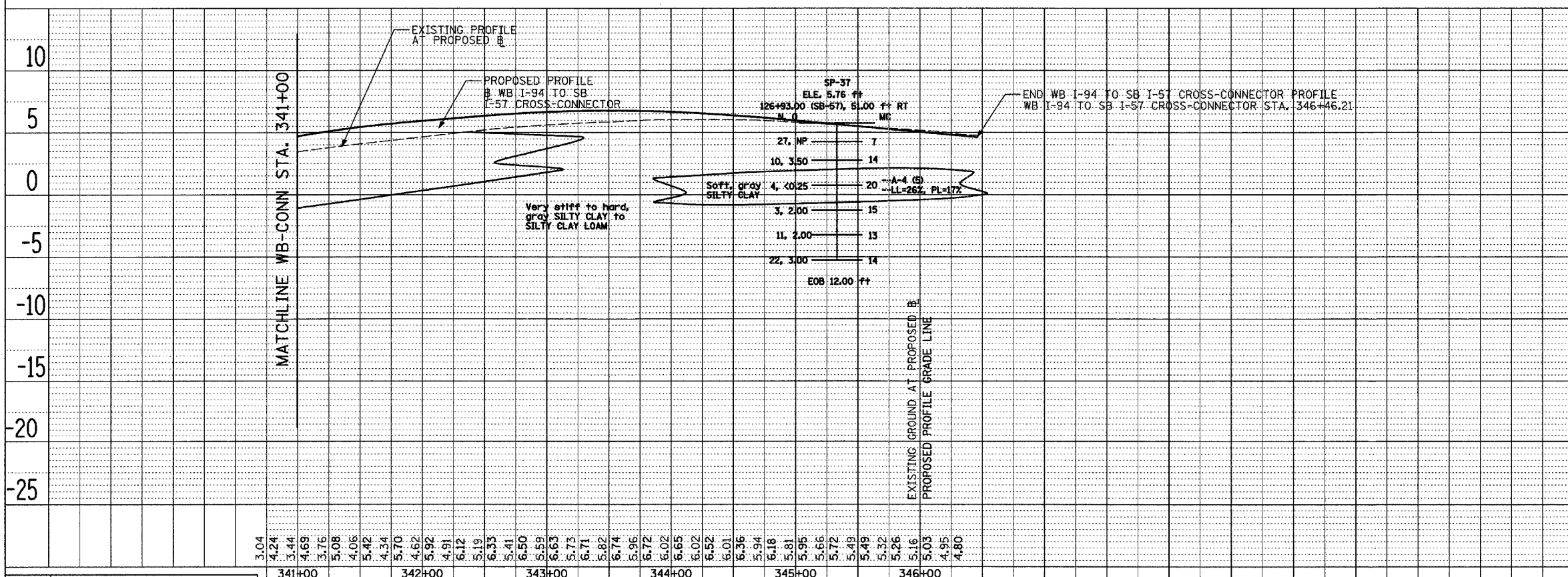
PLAN SURVEYED PLOTTED ALIGNED CHECKED
NOTE BOOK NO. CADD FILE NAME NO.
BY: DATE

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

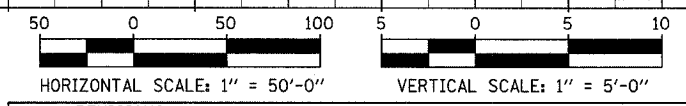
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	916	916
STA. 190+65 (NB I-57) TO STA. 2316+00 (NB RYAN)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* (516.1, 1717, & 1818) R-4				
				62304



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

PLAN	SURVEYED	DATE

PLAN	SURVEYED	DATE