

O'BRIEN & ASSOCIATES, INC.
CONSULTING ENGINEERS
1235 E. DAVIS ST./ARLINGTON HTS., IL 60005
(847)398-1441 • FAX(847) 398-2378

STRUCTURE FOUNDATION BORING LOG


Page: 1 of 1

Project: Supplemental Phase 2 Geotechnical Investigation For The Proposed 75th Street and Washington Street Intersection Improvements OBA Job No.: 07546
 Location: Washington Street & 75th Street, Naperville, Illinois Date: 10/30-31/07
 County: Cook Bored By: RH
 Client: T.Y. Lin International Checked By: DOB

BORING No.: RW-07-06
 Station: 456+75 (Washington Street)
 Offset: 59.5' Left
 Ground Surface Elevation: 663.6

Description	Depth (ft)	Bulge (ft)	UCS (tsf)	M	Surface Water Elev.	Groundwater Elev.	Groundwater Elev.	After Hours	Depth (ft)	Bulge (ft)	UCS (tsf)	M
7.0' CONCRETE, 5.0' SAND & GRAVEL	662.6				n/a	n/a	n/a					
CLAY-brown & gray-stiff to very stiff (A-6) Fill	658.1	4	2.5P	20	...	...	...	...
TOPSOIL-black	655.6	4	2.25P	33	...	...	...	...
SAND & GRAVEL-brown-medium dense (A-1)	650.1	5	1.75P	14	...	...	...	...
SAND, GRAVEL & FRACTURED ROCK-brown (A-1)	646.6	4			...	...	...	...
Drillers Observation: Apparent bedrock.	645.6				...	...	...	...
Silurian System, Niagaran Series Dolomite RUN 1 (-18.0' to -28.0')					...	...	...	...
Light gray & fine grained with horizontal bedding. Slightly porous & weathered with rust staining from -23.6' to -25.75'. Numerous horizontal fractures throughout. No vugs, chert nodules or vertical fractures encountered.					...	...	...	...
Recovery=99.0% R.Q.D.=68.5%					...	...	...	...

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS-Vane Shear Test
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
 NR-No Recovery



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Project: Supplemental Phase 2 Geotechnical Investigation For The Proposed 75th Street and Washington Street Intersection Improvements OBA Job No.: 07546
 Location: Washington Street & 75th Street, Naperville, Illinois Date: 11/1/2007
 County: Cook Bored By: RH
 Client: T.Y. Lin International Checked By: DOB

BORING No.: RW-07-07
 Station: 457+95 (Washington Street)
 Offset: 49.0' Left
 Ground Surface Elevation: 655.8

Description	Depth (ft)	Bulge (ft)	UCS (tsf)	M	Surface Water Elev.	Groundwater Elev.	Groundwater Elev.	After Hours	Depth (ft)	Bulge (ft)	UCS (tsf)	M
2.0' TOPSOIL-black	655.6				n/a	n/a	n/a					
CLAY-dark brown to black-hard (A-6)	652.8	4	4.5+P	21	...	...	...	...
SAND, GRAVEL & FRACTURED ROCK-brown-medium dense to very dense (A-1)	647.8	8	NP	10	...	...	...	...
Drillers Observation: Apparent bedrock.	646.8				...	...	...	...
Silurian System, Niagaran Series Dolomite RUN 1 (-9.0' to -19.0')					...	...	...	...
Light gray & fine grained with horizontal bedding. Slightly porous & weathered with rust staining from -13.3' to -15.6'. Numerous horizontal fractures throughout. No vugs, chert nodules or vertical fractures encountered.					...	...	...	...
Recovery=100.0% R.Q.D.=54.0%					...	...	...	...
End of Boring @ -19.0' Hollow Stem Augers to -7.5' Rotary Drilling to Completion CME-Automatic Hammer								

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 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
 NR-No Recovery

TYLIN INTERNATIONAL

DESIGNED	-
CHECKED	- SP
DRAWN	- TB
CHECKED	- SP

REVISIONS	
NAME	DATE

BORING LOGS - 2

WASHINGTON - 75TH STREET
 F.A.U. ROUTE 2552
 SECTION 00-00114-00-PV
 DUPAGE COUNTY