

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 R-04

WEI Job No.: 201-22-01

Client: **McDonough Associates, Inc.**
 Project: **104th Avenue Reconstruction**
 Location: **Orland Park, Cook County, IL**

Datum: NGVD
 Elevation: 721.14 ft
 North: 9945.00 ft
 East: 17.80 ft
 Station: 99+45
 Offset: 17.8' RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
720.1	12-inch thick, black CLAY LOAM														
	-TOPSOIL-														
	Soft to medium stiff, black and dark gray CLAY														
	-FILL-														
		1	1	1	4	0.70	23								
		2	2	2	3										
		3	3	3	3										
		4	4	4	3										
		5	5	5	3										
		2	2	2	2	0.25	19								
		3	3	3	3										
		4	4	4	3										
		5	5	5	3										
		2	2	2	2	0.50	26								
		3	3	3	3										
		4	4	4	3										
		5	5	5	3										
713.6	Hard, brown CLAY														
		4	4	4	4	4.70	21								
		5	5	5	8										
		10	10	10	11										
		2	2	2	2	4.80	19								
		3	3	3	3										
		5	5	5	10										
710.1	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-31-2005	Complete Drilling	01-31-2005	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	☑	DRY	
Driller	K & A	Logger	B. Panozzo	Time After Drilling	NA		
Checked by	MLS			Depth to Water	☑	NA	
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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 R-05

WEI Job No.: 201-22-01

Client: **McDonough Associates, Inc.**
 Project: **104th Avenue Reconstruction**
 Location: **Orland Park, Cook County, IL**

Datum: NGVD
 Elevation: 723.12 ft
 North: 10245.00 ft
 East: -18.90 ft
 Station: 102+45
 Offset: 18.9' LT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	N Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
722.84	12-inch thick, black CLAY LOAM														
	-TOPSOIL-														
	Hard, brown CLAY														
	-FILL-														
		1	1	1	4	4.50	13								
		5	5	5	7										
		7	7	7	11										
		2	2	2	5	4.50	19								
		10	10	10	12										
		12	12	12	15										
		15	15	15	15										
		3	3	3	15	4.50	20								
		20	20	20	25										
		25	25	25	32										
		5	5	5	5	4.50	17								
715.6	Medium dense, brown SANDY LOAM														
715.1	Hard, brown CLAY														
		4	4	4	10	4.50	17								
		10	10	10	14										
		14	14	14	19										
		10	10	10	8	NP	13								
		8	8	8	12										
		12	12	12	15										
712.6	Medium dense, brown SANDY LOAM														
712.1	Boring terminated at 11.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	01-28-2005	Complete Drilling	01-28-2005	While Drilling	☑	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 ATV	At Completion of Drilling	☑	DRY	
Driller	K & A	Logger	K. Jacob	Time After Drilling	NA		
Checked by	MLS			Depth to Water	☑	NA	
Drilling Method	3.25 IDA HSA; Boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street, Chicago, Illinois 60601