

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 201 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 633.7 WHILE DRILLING 10.0
END OF BORING 613.7 AT END OF BORING 10.0
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	5	20.8	1.25	1.5'	632.6	Dark brown clayey TOPSOIL (OL)
2	SS	15	20.7	2.0*	3.0'	630.7	Tough to very tough brown and gray silty CLAY, trace to little sand and gravel, moist (CL)
3	SS	10	22.3		5.5'	628.2	Tough to very tough brown and gray very silty CLAY, trace to little sand and gravel, moist (CL)
4	SS	14	24.9	1.0*	8.0'	625.7	Loose to firm brown and gray clayey SILT, trace to little sand, very moist (ML)
5	SS	10	19.7	2.42	10.5'	623.2	Stiff to tough brown very silty CLAY, SILT and fine SAND, layers, moist to wet (CL/ML/SP)
6	SS	12	15.5	2.5*	13.0'	620.7	Tough to very tough brown and gray silty CLAY, little to some sand and gravel, occasional sand, silt, and gravel, moist (CL)
7	SS	20	17.7	1.25*	15.5'	618.2	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)
8	SS	15	10.7	1.0*	18.0'	615.7	Stiff to tough gray very silty CLAY, little to some sand and gravel, occasional cobbles, very moist (CL)

DRILL RIG NO. 53

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 202 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 630.0 WHILE DRILLING 9.0
END OF BORING 610.0 AT END OF BORING 12.0
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	6	6.9	3.75*	1.5'	629.5	FILL - Brown, gray and black silty CLAY, trace to little sand and gravel, little organic, moist to very moist (CL)
2	SS	13	21.2	1.25*	3.0'	627.0	Black ORGANIC CLAY, very moist (OH) (Possible FILL)
3	ST	20.7	3.0*	103.7	6.5'	625.5	Soft dark brown silty CLAY, trace to little sand and gravel, little organic, very moist (CL) (Possible FILL)
4	SS	5	27.4	0.5*	10.5'	623.5	Soft to very soft dark gray sandy CLAY and SAND layers, little organic, very moist to wet (CL/SC)
5	SS	2	26.6	0.5*	13.0'	621.0	Stiff to tough gray silty CLAY, little to some sand and gravel, very moist (CL)
6	SS	4	20.2	10.25*	15.5'	618.5	Tough to very tough gray silty CLAY, little to some sand and gravel, moist (CL)
7	SS	9	3.1	1.03	18.0'	616.0	Stiff to tough gray silty CLAY, little to some sand and gravel, very moist (CL)
8	SS	13	16.7	2.0*	20.0'	613.5	Tough to very tough gray silty CLAY, little to some sand and gravel, moist (CL)

DRILL RIG NO. 53

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 203 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 627.2 WHILE DRILLING 11.0
END OF BORING 607.2 AT END OF BORING 6.5
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	6	6.4	1.0*	1.0'	627.2	FILL - Black brown and gray sandy CLAY, little to some sand and gravel, little topsoil, moist to very moist (CL)
2	SS	5	18.5	1.25*	2.4'	625.7	Dark brown clayey TOPSOIL, trace sand, moist (OL) (Possible FILL)
3	SS	7	26.4		4.0'	624.2	Stiff to tough gray silty CLAY, trace sand, trace organic, moist (CL/CH)
4	SS	6	3.3	1.0*	5.5'	622.7	Gray organic silty SAND, little shells and wood, very moist to wet (SM-PT)
5	ST	45.5	2.5	1.0*	8.0'	621.2	Loose gray SAND, trace gravel, little clay layers, saturated (SP)
6	SS	14	19.6		10.5'	619.7	Firm gray SAND, trace silt, saturated (SM-SP)
7	SS	13	16.8	1.75*	13.0'	618.2	Tough gray silty CLAY, little to some sand and gravel, moist to very moist (CL)
8	SS	19	19.7	2.55	15.5'	616.7	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

DRILL RIG NO. 53

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 204 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 630.3 WHILE DRILLING 11.0
END OF BORING 610.3 AT END OF BORING 12.0
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	10	21.5	1.75*	1.5'	630.3	FILL - Brown, black and gray silty CLAY, trace to some sand and gravel, numerous topsoil layers, moist (CL/OL)
2	SS	7	26.6	1.5*	3.0'	628.8	Stiff to tough gray silty CLAY, trace sand, trace organic, moist (CL/CH)
3	SS	12	27.3	3.25*	4.5'	627.3	Very loose gray SAND, some gravel, saturated (SP/SW)
4	SS	5	16.4	1.0*	6.0'	625.8	Firm gray silt SAND and GRAVEL, saturated (SM)
5	SS	3	18.7		8.0'	624.3	Tough to very tough gray silty CLAY, little to some sand and gravel, moist to very moist (CL)
6	SS	15	17.8		10.5'	622.8	End of Boring at 20.0'

DRILL RIG NO. 53

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 205 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 631.0 WHILE DRILLING 10.0
END OF BORING 610.0 AT END OF BORING 11.0
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	6	6.1		1.0'	629.7	FILL - Brown and black silty SAND with varying amounts of gravel, cinders, rag bricks, cobbles, glass and organics, moist
2	SS	4	5.4		2.5'	628.2	Black ORGANIC CLAY, very moist (OH)
3	SS	6	15.4		4.0'	626.7	Firm dark brown silty, clayey SAND, little gravel, saturated (SM-SC)
4	SS	12	16.7		5.5'	625.2	Firm gray clayey SILT, trace sand and gravel, very moist (ML)
5	SS	4	35.2	1.0*	7.0'	623.7	End of Boring at 20.0'

DRILL RIG NO. 53

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 206 DATE STARTED 4-30-98 DATE COMPLETED 4-30-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 629.7 WHILE DRILLING 8.0
END OF BORING 609.7 AT END OF BORING 8.5
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	13	17.0	2.5*	1.0'	629.4	4" Bituminous concrete Sand and Gravel Base
2	SS	3	10.0	4.0*	1.0'	628.9	FILL - Brown and gray silty CLAY, little to some sand and gravel, trace organic, occasional cobbles, moist (CL)
3	SS	9	14.2	1.75*	15.6'	627.4	Black silty SAND, some peat, saturated (SM-PT) (Possible FILL)
4	SS	17	35.9		8.0'	625.9	Stiff to tough brown and gray silty CLAY, little to some sand, very moist (CL)
5	SS	9	16.8	1.0*	10.5'	624.4	Very tough to hard gray silty CLAY, trace to little sand and gravel, moist (CL)
6	SS	21	20.0	4.3	15.0'	622.9	Gray clayey SILT, little to some gravel, moist (ML)
7	ST	16.8	14.2		18.0'	621.4	Tough to very tough gray silty CLAY, little to some sand and gravel, moist (CL)
8	SS	21	17.2	1.88	20.0'	619.9	End of Boring at 20.0'

DRILL RIG NO. 190

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 207 DATE STARTED 4-30-98 DATE COMPLETED 4-30-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 629.8 WHILE DRILLING 3.0
END OF BORING 609.8 AT END OF BORING 5.5
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	12	17.1	3.25*	1.0'	629.8	4" Bituminous over P.C.C.
2	SS	16	8.7		2.0'	628.3	FILL - Brown silty CLAY, some sand, moist (CL)
3	SS	4	5.3		3.0'	626.8	FILL - Brown SAND, little gravel, damp (SP)
4	SS	6	23.2		4.5'	625.3	Loose brown med'um to fine SAND, some gravel, trace silt, moist to saturated (SP)
5	SS	23	20.2	4.5**	8.0'	623.8	Hard brown and gray silty CLAY, occasional silt seams, trace to little sand, moist (CL)
6	SS	26	8.9	4.66	10.5'	622.3	Hard gray silty CLAY, trace to little sand and gravel, moist (CL)
7	SS	27	12.8	3.49	13.0'	620.8	Very tough to hard gray silty CLAY, little to some sand and gravel, occasional cobbles, moist (CL)
8	SS	44	14.5	3.25*	15.5'	619.3	End of Boring at 20.0'

DRILL RIG NO. 190

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
CLIENT Christopher B. Burke Engineering, Ltd., 9575 W. Higgins Rd, Rosemont, IL
BORING 208 DATE STARTED 4-30-98 DATE COMPLETED 4-30-98 JOB L - 43,618
ELEVATIONS WATER TABLE
GROUND SURFACE 629.8 WHILE DRILLING 5.5
END OF BORING 609.8 AT END OF BORING 4.0
24 HOURS



SAMPLE NO.	TYPE	N	WC	Q _u	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	12	17.1	3.25*	1.0'	629.8	FILL - Black clayey TOPSOIL (OL)
2	SS	26	19.0	2.5*	3.6'	628.3	FILL - Brown and gray silty CLAY, little to some sand and gravel, trace organic, moist (CL)
3	SS	17	26.5		5.5'	626.8	Firm brown silty SAND, some gravel, trace organic, saturated (SM)
4	SS	31	16.1	3.0*	8.0'	625.3	Very tough to hard gray silty CLAY, little to some sand and gravel, occasional silt seams, occasional cobbles, moist (CL)
5	ST	15.3	4.5*	14.5	10.5'	623.8	End of Boring at 20.0'

DRILL RIG NO. 190

01/30/2006 10:28:37 AM P:\P60003332\Civil\SH\02CSB-08.sh

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
CHECKED BY: _____