

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 101 DATE STARTED 12-15-97 DATE COMPLETED 12-15-97 JOB L-43,618



HAND AUGER BORING

ELEVATION _____ WATER TABLE _____
LOCATION Along SB Entr. Ramp from WB Rand Rd. GROUNDWATER 5.0 / 6.5

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	12	33.2	2.75*	9.3	630.3	FILL - Black and brown silty CLAY, SAND, GRAVEL and TOPSOIL, moist
2	SS	13	24.3	2.0*	3.0	630.3	Tough to very tough brown silty CLAY, trace to little sand, trace root seams, moist (CL)
3	SS	10	24.2	2.8	3.25*	627.8	Very tough to hard brown and gray silty CLAY, trace to little sand and gravel, trace root seams, moist (CL)
4	SS	8	20.4	4.0*	10.5	622.8	Firm brown and gray SAND, some gravel, saturated (SP)
5	SS	25	4.3	3.25*	10.5	622.8	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)
6	SS	23	6.2	3.25*	10.5	622.8	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 102 DATE STARTED 12-15-97 DATE COMPLETED 12-15-97 JOB L-43,618



HAND AUGER BORING

ELEVATION 634.3 WATER TABLE _____
LOCATION Along Entr. Ramp, S. of B-101 GROUNDWATER 6.5 / 5.5

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	14	25.3	1.8	2.0*	632.1	Black clayey TOPSOIL (OL)
2	SS	13	20.1	2.75*	3.0	629.6	Tough to very tough brown and gray silty CLAY, trace sand, trace organic, moist (CL/CH)
3	SS	13	20.2	2.68	2.5*	627.8	Very tough brown and gray silty CLAY, little to some sand and gravel, trace root seams, moist (CL)
4	SS	25	4.8	3.25*	8.0	624.6	Firm brown SAND and GRAVEL, saturated (SP/GP)
5	SS	21	1.7	2.88	3.25*	622.1	Very tough to hard gray silty CLAY, trace to little sand and gravel, moist (CL)
6	SS	25	18.2	4.75*	10.5	622.1	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 103 DATE STARTED 4-29-98 DATE COMPLETED 4-29-98 JOB L-43,618



HAND AUGER BORING

ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 633.9 WHILE DRILLING 10.0'
END OF BORING 618.9 AT END OF BORING 4.0'
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	9	10.1	3.0*	4.9	630.9	FILL - Black, brown and gray silty CLAY, little to some sand and gravel, trace organic, moist (CL)
2	SS	11	25.5	2.5*	3.0	628.4	Dark brown and black clayey TOPSOIL, trace sand, very moist (OL)
3	SS	9	22.9	1.36	2.0*	628.4	Tough to very tough brown and gray silty CLAY, trace to little sand and gravel, occasional silt seams, moist (CL)
4	SS	25.8	2.5*	96.4	10.5	623.4	Tough to very tough gray silty CLAY, trace to little sand and gravel, moist (CL)
5	SS	1	6.8	1.75	2.25*	623.4	Tough to very tough gray silty CLAY, trace to little sand and gravel, moist (CL)
6	SS	3	6.5	3.75*	10.5	623.4	Tough to very tough gray silty CLAY, trace to little sand and gravel, moist (CL)

INSPECTOR RS

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 104 DATE STARTED 4-28-98 DATE COMPLETED 4-28-98 JOB L-43,618



HAND AUGER BORING

ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 633.6 WHILE DRILLING 10.5'
END OF BORING 618.6 AT END OF BORING 5.5'
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	15	2.8	1.0*	0.8	632.7	FILL - Black silty CLAY, trace concrete
2	SS	10	30.1	1.75*	3.0	630.6	FILL - Brown and gray silty CLAY and SAND layers, trace gravel, moist
3	SS	10	23.6	1.75	2.5*	628.1	Tough gray silty CLAY, trace sand, trace organic seams, moist (CL/CH)
4	SS	6	24.8	1.48	1.5*	623.1	Tough to very tough gray with some brown silty CLAY, trace to little sand, trace organic, moist to very moist (CL)
5	SS	5	1.4	1.0*	13.0	620.6	Firm brown SAND, some gravel, saturated (SP/SW)
6	SS	4	6.9	3.60	7.75*	620.6	Very tough gray silty CLAY, trace to little sand, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 105 DATE STARTED 4-28-98 DATE COMPLETED 4-28-98 JOB L-43,618



ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 633.3 WHILE DRILLING 10.5'
END OF BORING 618.3 AT END OF BORING 4.0'
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	12	33.2	2.75*	9.3	630.3	FILL - Black and brown silty CLAY, SAND, GRAVEL and TOPSOIL, moist
2	SS	13	24.3	2.0*	3.0	630.3	Tough to very tough brown silty CLAY, trace to little sand, trace root seams, moist (CL)
3	SS	10	24.2	2.8	3.25*	627.8	Very tough to hard brown and gray silty CLAY, trace to little sand and gravel, trace root seams, moist (CL)
4	SS	8	20.4	4.0*	10.5	622.8	Firm brown and gray SAND, some gravel, saturated (SP)
5	SS	25	4.3	3.25*	10.5	622.8	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)
6	SS	23	6.2	3.25*	10.5	622.8	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 106 DATE STARTED 4-28-98 DATE COMPLETED 4-28-98 JOB L-43,618



ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 632.6 WHILE DRILLING 8.0'
END OF BORING 617.6 AT END OF BORING 3.0'
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	14	25.3	1.8	2.0*	632.1	Black clayey TOPSOIL (OL)
2	SS	13	20.1	2.75*	3.0	629.6	Tough to very tough brown and gray silty CLAY, trace sand, trace organic, moist (CL/CH)
3	SS	13	20.2	2.68	2.5*	627.8	Very tough brown and gray silty CLAY, little to some sand and gravel, trace root seams, moist (CL)
4	SS	25	4.8	3.25*	8.0	624.6	Firm brown SAND and GRAVEL, saturated (SP/GP)
5	SS	21	1.7	2.88	3.25*	622.1	Very tough to hard gray silty CLAY, trace to little sand and gravel, moist (CL)
6	SS	25	18.2	4.75*	10.5	622.1	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 107 DATE STARTED 4-28-98 DATE COMPLETED 4-28-98 JOB L-43,618



ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 632.4 WHILE DRILLING 10.5'
END OF BORING 617.4 AT END OF BORING 4.5'
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	10	17.9	1.96	1.5*	629.4	Tough brown silty CLAY, trace sand, moist (CL/CH)
2	SS	10	26.0	1.6	1.75*	626.9	Stiff to tough brown and gray silty CLAY, trace to little sand and gravel, very moist (CL)
3	SS	7	23.5	2.25*	5.5	626.9	Very tough brown and gray very silty CLAY, little to some sand, little silt seams, moist (CL)
4	SS	18	24.1	2.02	2.0*	624.6	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)
5	SS	18	16.7	3.5*	10.5	621.9	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)
6	SS	23	16.8	3.75*	10.5	621.9	Very tough gray silty CLAY, little to some sand and gravel, moist (CL)

INSPECTOR RS

PROJECT Rand Road Flood Control, Rand Road & I-294, Des Plaines, Illinois
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BORING 108 DATE STARTED 5-1-98 DATE COMPLETED 5-1-98 JOB L-43,618



ELEVATIONS _____ WATER TABLE _____
GROUND SURFACE 632.8 WHILE DRILLING Dry
END OF BORING 628.3 AT END OF BORING Dry
24 HOURS

SAMPLE NO.	TYPE	N	WC	U _w	DRY DEPTH	ELEV.	SOIL DESCRIPTIONS
1	SS	6	6.0	1.0*	4.7	632.3	FILL - Black clayey TOPSOIL (OL)
2	SS	6	6.6	2.0	630.8	FILL - Black, gray and brown silty CLAY, little sand and gravel, trace organic, moist (CL)	
3	SS	6	8.6	2.0	630.8	FILL - Brown medium to fine SAND, some gravel, moist (SP)	

INSPECTOR RS

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

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