

STRUCTURE FOUNDATION BORING LOG
 Page: 1 of 1
 OBA
 O'BRIEN & ASSOCIATES, INC. CONSULTING ENGINEERS
 1200 S. DAVIS ST., ANN ARBOR, MI 48106
 (313) 965-4444 FAX (313) 965-2375
 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Oct. 25, 2006
 County: McHenry Bored By: DR
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-8
 Station: 54+39
 Offset: 60' Right
 Ground Surface Elevation: 399.2 (ft) (6") (16") (24") (36") (48") (60") (72") (84") (96") (108") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 387.5 AB
 Groundwater Depth: 11.7
 After Hours: 4

8.0" TOPSOIL-black
 CLAY LOAM-brown & gray-hard (A-6) Fill
 SAND, GRAVEL & COBBLES-brown-medium dense to very dense (A-1-a)

DEPTH (ft)	DEPTH (ft) (12")	DEPTH (ft) (24")	DEPTH (ft) (36")	DEPTH (ft) (48")	DEPTH (ft) (60")	DEPTH (ft) (72")	DEPTH (ft) (84")	DEPTH (ft) (96")	DEPTH (ft) (108")	DEPTH (ft) (120")	UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	FLUIDITY
0	0	0	0	0	0	0	0	0	0	0				
2	2	2	2	2	2	2	2	2	2	2				
4	4	4	4	4	4	4	4	4	4	4				
5	5	5	5	5	5	5	5	5	5	5				
6	6	6	6	6	6	6	6	6	6	6				
8	8	8	8	8	8	8	8	8	8	8				
9	9	9	9	9	9	9	9	9	9	9				
11	11	11	11	11	11	11	11	11	11	11				
12	12	12	12	12	12	12	12	12	12	12				
14	14	14	14	14	14	14	14	14	14	14				
15	15	15	15	15	15	15	15	15	15	15				
16	16	16	16	16	16	16	16	16	16	16				
20	20	20	20	20	20	20	20	20	20	20				
21	21	21	21	21	21	21	21	21	21	21				
23	23	23	23	23	23	23	23	23	23	23				
24	24	24	24	24	24	24	24	24	24	24				
25	25	25	25	25	25	25	25	25	25	25				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (C)-Crack, (S)-Shear, (P)-Parametric, (T)-Tensile, (B)-Buckling, (R)-Roller, (F)-Folding, (M)-Miscellaneous. ST-Shake Tube Sample. VU-Vane Shear Test. The SPI (N value) is the sum of the last two blow values in each sampling zone (ASTM D 208). The Unit Dry Weight (pcf) is noted in italics above moist (M) or No Recovery.

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 (313) 965-4444 FAX (313) 965-2375
 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Nov. 15, 2006
 County: McHenry Bored By: DR
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-9
 Station: 54+92
 Offset: 113.5' Right
 Ground Surface Elevation: n/a (ft) (6") (12") (18") (24") (30") (36") (42") (48") (54") (60") (66") (72") (78") (84") (90") (96") (102") (108") (114") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 24.0 AB
 Groundwater Depth: 25.0
 After Hours: 10

TOPSOIL-black
 SAND & GRAVEL-brown-medium dense to dense (A-1)
 SAND & GRAVEL-brown-medium dense to dense (A-1)
 End of Boring @ -30.0' Hollow Stem Augers CME Automatic Hammer

DEPTH (ft)	DEPTH (ft) (12")	DEPTH (ft) (24")	DEPTH (ft) (36")	DEPTH (ft) (48")	DEPTH (ft) (60")	DEPTH (ft) (72")	DEPTH (ft) (84")	DEPTH (ft) (96")	DEPTH (ft) (108")	DEPTH (ft) (120")	UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	FLUIDITY
2	2	2	2	2	2	2	2	2	2	2				
3	3	3	3	3	3	3	3	3	3	3				
5	5	5	5	5	5	5	5	5	5	5				
6	6	6	6	6	6	6	6	6	6	6				
11	11	11	11	11	11	11	11	11	11	11				
15	15	15	15	15	15	15	15	15	15	15				
17	17	17	17	17	17	17	17	17	17	17				
20	20	20	20	20	20	20	20	20	20	20				
21	21	21	21	21	21	21	21	21	21	21				
23	23	23	23	23	23	23	23	23	23	23				
24	24	24	24	24	24	24	24	24	24	24				
25	25	25	25	25	25	25	25	25	25	25				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (C)-Crack, (S)-Shear, (P)-Parametric, (T)-Tensile, (B)-Buckling, (R)-Roller, (F)-Folding, (M)-Miscellaneous. ST-Shake Tube Sample. VU-Vane Shear Test. The SPI (N value) is the sum of the last two blow values in each sampling zone (ASTM D 208). The Unit Dry Weight (pcf) is noted in italics above moist (M) or No Recovery.

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 (313) 965-4444 FAX (313) 965-2375
 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Oct. 27, 2006
 County: McHenry Bored By: RJ
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-10
 Station: 55+25
 Offset: 15' Right
 Ground Surface Elevation: 311.2 (ft) (6") (12") (18") (24") (30") (36") (42") (48") (54") (60") (66") (72") (78") (84") (90") (96") (102") (108") (114") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 300.0 AB
 Groundwater Depth: 11.2
 After Hours: 18

12.0" ASPHALT, 24.0" CRUSHED STONE-medium dense
 CLAY LOAM-dark brown-stiff (A-6) Fill
 SANDY CLAY LOAM-dark brown-loose (A-4) Fill
 CRUSHED CONCRETE-medium dense (Fill)
 CLAY LOAM-dark brown-stiff (A-6) Fill, Wet
 CRUSHED STONE-medium dense (Fill)
 SAND & GRAVEL-brown-medium dense (A-1)

DEPTH (ft)	DEPTH (ft) (12")	DEPTH (ft) (24")	DEPTH (ft) (36")	DEPTH (ft) (48")	DEPTH (ft) (60")	DEPTH (ft) (72")	DEPTH (ft) (84")	DEPTH (ft) (96")	DEPTH (ft) (108")	DEPTH (ft) (120")	UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	FLUIDITY
2	2	2	2	2	2	2	2	2	2	2				
3	3	3	3	3	3	3	3	3	3	3				
4	4	4	4	4	4	4	4	4	4	4				
5	5	5	5	5	5	5	5	5	5	5				
7	7	7	7	7	7	7	7	7	7	7				
8	8	8	8	8	8	8	8	8	8	8				
10	10	10	10	10	10	10	10	10	10	10				
12	12	12	12	12	12	12	12	12	12	12				
14	14	14	14	14	14	14	14	14	14	14				
15	15	15	15	15	15	15	15	15	15	15				
16	16	16	16	16	16	16	16	16	16	16				
17	17	17	17	17	17	17	17	17	17	17				
20	20	20	20	20	20	20	20	20	20	20				
21	21	21	21	21	21	21	21	21	21	21				
23	23	23	23	23	23	23	23	23	23	23				
24	24	24	24	24	24	24	24	24	24	24				
25	25	25	25	25	25	25	25	25	25	25				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (C)-Crack, (S)-Shear, (P)-Parametric, (T)-Tensile, (B)-Buckling, (R)-Roller, (F)-Folding, (M)-Miscellaneous. ST-Shake Tube Sample. VU-Vane Shear Test. The SPI (N value) is the sum of the last two blow values in each sampling zone (ASTM D 208). The Unit Dry Weight (pcf) is noted in italics above moist (M) or No Recovery.

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 (313) 965-4444 FAX (313) 965-2375
 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Oct. 26, 2006
 County: McHenry Bored By: DR
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-11
 Station: 55+61
 Offset: 15' Right
 Ground Surface Elevation: 311.5 (ft) (6") (12") (18") (24") (30") (36") (42") (48") (54") (60") (66") (72") (78") (84") (90") (96") (102") (108") (114") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 305.5 AB
 Groundwater Depth: 6.0
 After Hours: 17

9.0" ASPHALT, 3.0" GRAVEL
 CLAY TO CLAY LOAM-dark brown-medium stiff to stiff (A-6) Fill
 SAND & GRAVEL-brown-medium dense to dense (A-1-a)
 SAND & GRAVEL-brown-medium dense to dense (A-1-a)
 Cobble from -12.5' to -28.5'

DEPTH (ft)	DEPTH (ft) (12")	DEPTH (ft) (24")	DEPTH (ft) (36")	DEPTH (ft) (48")	DEPTH (ft) (60")	DEPTH (ft) (72")	DEPTH (ft) (84")	DEPTH (ft) (96")	DEPTH (ft) (108")	DEPTH (ft) (120")	UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	FLUIDITY
3	3	3	3	3	3	3	3	3	3	3				
4	4	4	4	4	4	4	4	4	4	4				
5	5	5	5	5	5	5	5	5	5	5				
6	6	6	6	6	6	6	6	6	6	6				
7	7	7	7	7	7	7	7	7	7	7				
10	10	10	10	10	10	10	10	10	10	10				
12	12	12	12	12	12	12	12	12	12	12				
14	14	14	14	14	14	14	14	14	14	14				
15	15	15	15	15	15	15	15	15	15	15				
16	16	16	16	16	16	16	16	16	16	16				
17	17	17	17	17	17	17	17	17	17	17				
20	20	20	20	20	20	20	20	20	20	20				
21	21	21	21	21	21	21	21	21	21	21				
23	23	23	23	23	23	23	23	23	23	23				
24	24	24	24	24	24	24	24	24	24	24				
25	25	25	25	25	25	25	25	25	25	25				

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 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Oct. 27, 2006
 County: McHenry Bored By: RJ
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-12
 Station: 55+14
 Offset: 15' Right
 Ground Surface Elevation: 311.6 (ft) (6") (12") (18") (24") (30") (36") (42") (48") (54") (60") (66") (72") (78") (84") (90") (96") (102") (108") (114") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 285.0 AB
 Groundwater Depth: 26.6
 After Hours: 18

12.0" ASPHALT, 3.0" GRAVEL
 CLAY LOAM-brown & block-stiff (A-6) Fill
 SAND & GRAVEL-brown-medium dense to very dense (A-1-a)
 End of Boring @ -25.0' Hollow Stem Augers CME Automatic Hammer

DEPTH (ft)	DEPTH (ft) (12")	DEPTH (ft) (24")	DEPTH (ft) (36")	DEPTH (ft) (48")	DEPTH (ft) (60")	DEPTH (ft) (72")	DEPTH (ft) (84")	DEPTH (ft) (96")	DEPTH (ft) (108")	DEPTH (ft) (120")	UNIT WEIGHT (pcf)	WATER CONTENT (%)	SHRINKAGE (%)	FLUIDITY
2	2	2	2	2	2	2	2	2	2	2				
3	3	3	3	3	3	3	3	3	3	3				
5	5	5	5	5	5	5	5	5	5	5				
7	7	7	7	7	7	7	7	7	7	7				
9	9	9	9	9	9	9	9	9	9	9				
10	10	10	10	10	10	10	10	10	10	10				
11	11	11	11	11	11	11	11	11	11	11				
12	12	12	12	12	12	12	12	12	12	12				
14	14	14	14	14	14	14	14	14	14	14				
15	15	15	15	15	15	15	15	15	15	15				
16	16	16	16	16	16	16	16	16	16	16				
17	17	17	17	17	17	17	17	17	17	17				
20	20	20	20	20	20	20	20	20	20	20				
21	21	21	21	21	21	21	21	21	21	21				
23	23	23	23	23	23	23	23	23	23	23				
24	24	24	24	24	24	24	24	24	24	24				
25	25	25	25	25	25	25	25	25	25	25				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (C)-Crack, (S)-Shear, (P)-Parametric, (T)-Tensile, (B)-Buckling, (R)-Roller, (F)-Folding, (M)-Miscellaneous. ST-Shake Tube Sample. VU-Vane Shear Test. The SPI (N value) is the sum of the last two blow values in each sampling zone (ASTM D 208). The Unit Dry Weight (pcf) is noted in italics above moist (M) or No Recovery.

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 Project: Walkup Road Phase II Roadway Improvements OBA Job No.: 06600
 Job No: 10-91-374-00 Date: Oct. 27, 2006
 County: McHenry Bored By: RJ
 Client: Teng & Associates, Inc. Checked By: DOB

BORING No.: ST-13
 Station: 56+17
 Offset: 17' Right
 Ground Surface Elevation: 312.2 (ft) (6") (12") (18") (24") (30") (36") (42") (48") (54") (60") (66") (72") (78") (84") (90") (96") (102") (108") (114") (120")

Surface Water Elev.: n/a
 Groundwater Elevation: 310.0 AB
 Groundwater Depth: 2.2
 After Hours: 20

12.0" ASPHALT, 3.0" CRUSHED STONE
 CLAY LOAM-dark brown to brown-medium stiff to stiff (A-6) Fill
 SAND & GRAVEL-brown-medium dense (A-1)
 SAND, GRAVEL & COBBLES-brown-dense to very dense (A-1-a)
 Auger