

BORING LOG RWB-61

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-15, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 716.20 ft
 North: 1806177.79 ft
 East: 1115308.33 ft
 Station: 253+77.25
 Offset: 61.13 LT

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 746.03 | 10.3-inch thick ASPHALT --PAVEMENT-- | | | | | | | | | | | | |
| 718 | 10-inch thick, CRUSHED STONE --BASE COURSE-- | | | | | | | | | | | | |
| 712.2 | Medium dense CRUSHED STONE and brick --FILL-- | | 1 | 10 | NP | 23 | | | | | | | |
| | Medium stiff to hard, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel and debris --FILL-- | | 2 | 10 | NR | 25 | | | | | | | |
| | | | 3 | 4 | | 23 | | | | | | | |
| | | | 4 | 3 | | 19 | | | | | | | |
| 705.7 | Medium stiff, black, organic SILTY CLAY --MUCK-- | | 5 | 4 | | 41 | | | | | | | |
| 703.2 | Very stiff, brown and gray SILTY CLAY, trace gravel | | 6 | 3 | | 25 | | | | | | | |
| 701.2 | Boring terminated at 15.00 ft | | | | | | | | | | | | |

GENERAL NOTES

Begin Drilling: 04-18-2011 Complete Drilling: 04-18-2011
 Drilling Contractor: WTS Drill Rig: B-57 TMR
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

BORING LOG RWB-62

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-15, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 715.41 ft
 North: 1806257.94 ft
 East: 1115309.34 ft
 Station: 254+57.29
 Offset: 57.40 LT

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 714.96 | 14.96-inch thick, brown SILTY CLAY --TOPSOIL-- | | | | | | | | | | | | |
| | Loose, brown gravelLY LOAM with brick fragments --FILL-- | | 1 | 10 | NP | 20 | | | | | | | |
| 712.4 | Very stiff, brown and gray SILTY CLAY, little gravel --FILL-- | | 2 | 10 | 2.00 | 22 | | | | | | | |
| | | | 3 | 3 | | 28 | | | | | | | |
| 709.9 | Medium dense, brown gravelLY LOAM with brick and wood fragments --FILL-- | | 4 | 3 | | 34 | | | | | | | |
| 707.4 | Medium stiff to stiff, brown and gray SILTY CLAY LOAM, trace gravel, brick and wood --FILL-- | | 5 | 2 | | 24 | | | | | | | |
| | | | 6 | 3 | | 26 | | | | | | | |
| 702.4 | Stiff, black, organic SILTY CLAY --MUCK-- | | 7 | 3 | | 28 | | | | | | | |
| | | | 8 | 1 | | 34 | | | | | | | |
| 699.9 | Soft to stiff, brown and gray SILTY CLAY | | 9 | 4 | | 19 | | | | | | | |
| | | | 10 | 1 | | 34 | | | | | | | |
| 694.9 | Very stiff, brown and gray SILTY CLAY, trace gravel | | 11 | 4 | | 19 | | | | | | | |
| 692.9 | Boring terminated at 22.50 ft | | | | | | | | | | | | |

GENERAL NOTES

Begin Drilling: 04-18-2011 Complete Drilling: 04-18-2011
 Drilling Contractor: WTS Drill Rig: B-57 TMR
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 2.25" SSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

BORING LOG RWB-63

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 2
 Location: Ret. Wall RW-16, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 714.76 ft
 North: 1806327.52 ft
 East: 1115306.56 ft
 Station: 255+26.85
 Offset: 57.85 LT

| Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) | Profile Elevation (ft) | SOIL AND ROCK DESCRIPTION | Depth (ft) | Sample No. | SPT Values (blows/in) | Qu (tsf) | Moisture Content (%) |
|------------------------|---|------------|------------|-----------------------|----------|----------------------|------------------------|---------------------------|------------|------------|-----------------------|----------|----------------------|
| 714.35 | 4.35-inch thick ASPHALT --PAVEMENT-- | | | | | | | | | | | | |
| 714 | 4-inch thick, CRUSHED STONE and BRICK --BASE COURSE-- | | | | | | | | | | | | |
| | Very stiff, black, brown and gray SILTY CLAY, trace gravel --BRICK FRAGMENTS-- | | 1 | 3 | 2.50 | 23 | | | | | | | |
| | | | 2 | 2 | | 28 | | | | | | | |
| 709.3 | Soft to medium stiff, brown and gray CLAY, trace gravel --L _u (%)=45, P _l (%)=18-- --%Gravel=1.6-- --%Sand=7.7-- --%Silt=46.2-- --%Clay=44.5-- --A-7-6 (26)-- | | 3 | 0 | 0.25 | 30 | | | | | | | |
| | | | 4 | 1 | | 25 | | | | | | | |
| 704.3 | Stiff, black, organic SILTY CLAY --MUCK-- | | 5 | 2 | | 44 | | | | | | | |
| 701.8 | Very stiff, brown and gray SILTY CLAY, trace gravel | | 6 | 3 | | 24 | | | | | | | |
| 699.8 | Boring terminated at 15.00 ft | | | | | | | | | | | | |

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Begin Drilling: 04-18-2011 Complete Drilling: 04-18-2011
 Drilling Contractor: WTS Drill Rig: B-57 TMR
 Driller: K&R Logger: B. Wilson Checked by: CLM
 Drilling Method: 2.25" SSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA

Note:
 For retaining wall key plan see sheet 1.
 For typical wall details see sheet 2.
 See individual wall sheets for boring locations.