



McDOWELL & ASSOCIATES  
Geotechnical, Environmental, & Hydrogeologic Services  
21355 Hatcher Avenue • Ferndale, MI 48220  
Phone: (248) 399-2066 • Fax: (248) 399-2157

JOB NO. 15-094

SURFACE ELEV. DATE 4/16/2015

LOG OF SOIL  
BORING NO. 3

|          |  |  |
|----------|--|--|
| PROJECT  | Soils Investigation and Infiltration Study |  |
| LOCATION | Proposed apartment Development             |  |
|          | Henry Street and State Street              |  |
|          | Ann Arbor, Washtenaw County, Michigan      |  |

| Sample & Type        | Depth | Legend                    | SOIL DESCRIPTION   | Penetration Blows for 6"  | Moisture % | Natural Wt. P.C.F. | Dry Den Wt. P.C.F. | Unc. Comp. Strength PSF. | Str. %           |
|----------------------|-------|---------------------------|--|---------------------------|------------|--------------------|--------------------|--------------------------|------------------|
|                      |       |                           | Moist black sandy TOPSOIL with pebbles and 0'8"  |                           |            |                    |                    |                          |                  |
|                      | 1     |                           |  |                           |            |                    |                    |                          |                  |
|                      |       |                           |  |                           |            |                    |                    |                          |                  |
| A SS                 | 2     |                           | Firm moist brown and discolored brown sandy CLAY with pebbles, trace of silt and topsoil seams, fill | 2                         |            |                    |                    |                          |                  |
|                      | 3     |                           |  | 2                         | 19.4       |                    |                    |                          |                  |
|                      |       |                           |  | 3                         |            |                    |                    |                          |                  |
| B SS                 | 4     |                           | Compact moist brown silty SAND with traces of gravel and clay  | 3                         |            |                    |                    |                          |                  |
|                      | 5     |                           |  | 5                         | 8.0        |                    |                    |                          |                  |
|                      | 6     |                           |  | 11                        |            |                    |                    |                          |                  |
| C SS                 | 7     |                           |  |                           |            |                    |                    |                          |                  |
|                      | 8     |                           |  |                           |            |                    |                    |                          |                  |
|                      | 9     |                           |  |                           |            |                    |                    |                          |                  |
| D SS                 | 10    |                           | Extremely compact moist brown silty fine to medium SAND with trace of gravel and occasional stones   | 26                        |            |                    |                    |                          |                  |
|                      | 11    |                           |  | 28                        |            |                    |                    |                          |                  |
|                      | 12    |                           |  | --                        |            |                    |                    |                          |                  |
|                      | 13    |                           |  |                           |            |                    |                    |                          |                  |
|                      | 14    |                           |  |                           |            |                    |                    |                          |                  |
| E SS                 | 15    |                           | Extremely compact wet brown SAND with traces of gravel and silt                                      | 20                        |            |                    |                    |                          |                  |
|                      | 16    |                           |  | 25                        |            |                    |                    |                          |                  |
|                      | 17    |                           |  | --                        |            |                    |                    |                          |                  |
|                      | 18    |                           |  |                           |            |                    |                    |                          |                  |
|                      | 19    |                           | Very compact wet gray silty SAND & GRAVEL with occasional stones                                     | 11                        |            |                    |                    |                          |                  |
| F SS                 | 20    |                           |  | 17                        | 13.9       |                    |                    |                          |                  |
|                      | 21    |                           |  | --                        |            |                    |                    |                          |                  |
|                      | 22    |                           |  |                           |            |                    |                    |                          |                  |
|                      | 23    |                           |  |                           |            |                    |                    |                          |                  |
|                      | 24    |                           |  |                           |            |                    |                    |                          |                  |
|                      | 25    |                           |  |                           |            |                    |                    |                          |                  |
| TYPE OF SAMPLE       |       | REMARKS:                  |  | GROUND WATER OBSERVATIONS |            |                    |                    |                          |                  |
| D. - DISTURBED       |       | * Calibrated Penetrometer |  | G.W. ENCOUNTERED AT       | 12 FT.     | 0 INS.             |                    |                          |                  |
| U.L. - UNDIST. LINER |       |                           |  | G.W. ENCOUNTERED AT       | FT.        | INS.               |                    |                          |                  |
| S.T. - SHELBY TUBE   |       |                           |  | G.W. AFTER COMPLETION     | 11 FT.     | 3 INS.             |                    |                          |                  |
| S.S. - SPLIT SPOON   |       |                           |  | G.W. AFTER                | HRS.       | FT.                | INS.               |                          |                  |
| R.C. - ROCK CORE     |       |                           |  | G.W. VOLUMES              | Medium     |                    |                    |                          |                  |
| ( ) - PENETROMETER   |       |                           |  |                           |            |                    |                    |                          | Cave-In at 11'3" |