

# MA

**McDOWELL & ASSOCIATES**

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

 JOB NO. 13-15148
**LOG OF SOIL BORING NO.** GP-101
**PROJECT**
Environmental Site Assessment
**LOCATION**

 Approximate 85-Acre Parcel  
 Dhu Varren Road and Pontiac Trail

SURFACE ELEV.

 DATE 1-31-14

Ann Arbor, Washtenaw County, Michigan

| Sample & Type        | Depth | Legend | SOIL DESCRIPTION  | Penetration Blows for 6"  | PID Readings PPM | Dry Den Wt. P.C.F. | Unc. Comp. Strength PSF. | Str. % |
|----------------------|-------|--------|---|---------------------------|------------------|--------------------|--------------------------|--------|
|                      |       |        | 0'6" Moist dark brown sandy clayey TOPSOIL, fill  |                           |                  |                    |                          |        |
|                      | 1     |        |   |                           |                  |                    |                          |        |
|                      | 2     |        |   |                           |                  |                    |                          |        |
|                      | 3     |        |   |                           |                  |                    |                          |        |
|                      | 4     |        |   |                           |                  |                    |                          |        |
| 101a                 | 5     |        |   |                           |                  |                    |                          |        |
|                      | 6     |        |   |                           |                  |                    |                          |        |
|                      | 7     |        |   |                           |                  |                    |                          |        |
|                      | 8     |        |   |                           |                  |                    |                          |        |
|                      | 9     |        |   |                           |                  |                    |                          |        |
|                      | 10    |        | Moist brown and dark brown clayey sandy WASTE FILL with brick, glass, metal, wood and newspaper               |                           |                  |                    |                          |        |
|                      | 11    |        |   |                           |                  |                    |                          |        |
| 101b                 | 12    |        |   |                           |                  |                    |                          |        |
|                      | 13    |        |   |                           |                  |                    |                          |        |
|                      | 14    |        |   |                           |                  |                    |                          |        |
|                      | 15    |        |   |                           |                  |                    |                          |        |
|                      | 16    |        |   |                           |                  |                    |                          |        |
|                      | 17    |        |   |                           |                  |                    |                          |        |
|                      | 18    |        |   |                           |                  |                    |                          |        |
|                      | 19    |        |   |                           |                  |                    |                          |        |
|                      | 20    |        | 20'0" Moist brown fine to medium SAND   |                           |                  |                    |                          |        |
|                      | 21    |        |   |                           |                  |                    |                          |        |
|                      | 22    |        |   |                           |                  |                    |                          |        |
|                      | 23    |        |   |                           |                  |                    |                          |        |
|                      | 24    |        | 24'0" Moist brown SAND & GRAVEL   |                           |                  |                    |                          |        |
|                      | 25    |        | Notes: Made with Geoprobe<br>ND = None Detected   |                           |                  |                    |                          |        |
| TYPE OF SAMPLE       |       |        | REMARKS:  | GROUND WATER OBSERVATIONS |                  |                    |                          |        |
| D. - DISTURBED       |       |        |   | G.W. ENCOUNTERED AT       |                  | FT.                |                          | INS.   |
| U.L. - UNDIST. LINER |       |        |   | G.W. ENCOUNTERED AT       |                  | FT.                |                          | INS.   |
| S.T. - SHELBY TUBE   |       |        |   | G.W. AFTER COMPLETION     |                  | FT.                |                          | INS.   |
| S.S. - SPLIT SPOON   |       |        |   | G.W. AFTER                |                  | HRS.               |                          | INS.   |
| R.C. - ROCK CORE     |       |        |   | G.W. VOLUMES              | none             |                    | FT.                      | INS.   |
| ( ) - PENETROMETER   |       |        |   |                           |                  |                    |                          |        |
|                      |       |        | Standard Penetration Test - Driving 2" OD Sampler 1' With 140# Hammer Falling 30". Count Made at 6" Intervals |                           |                  |                    |                          |        |