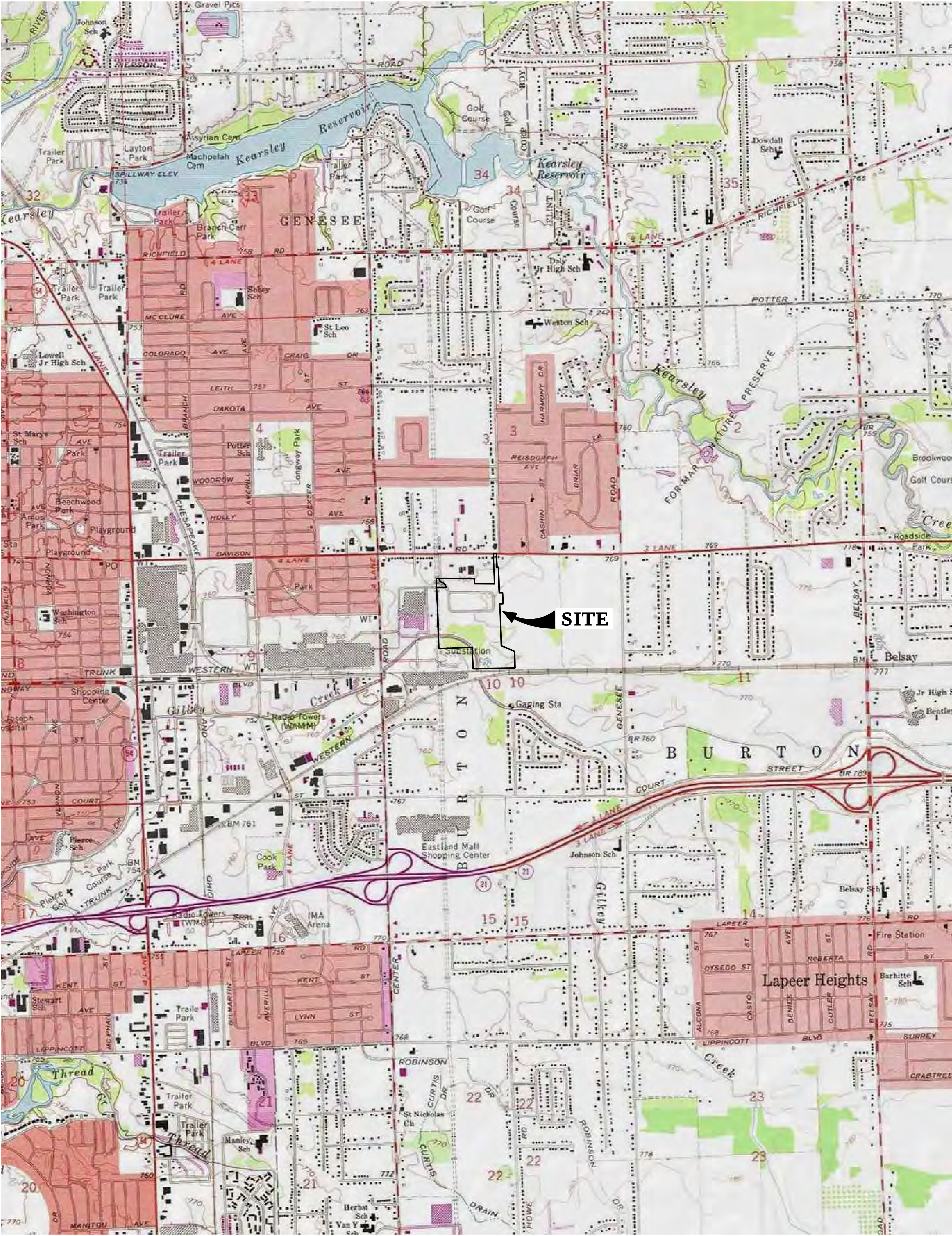
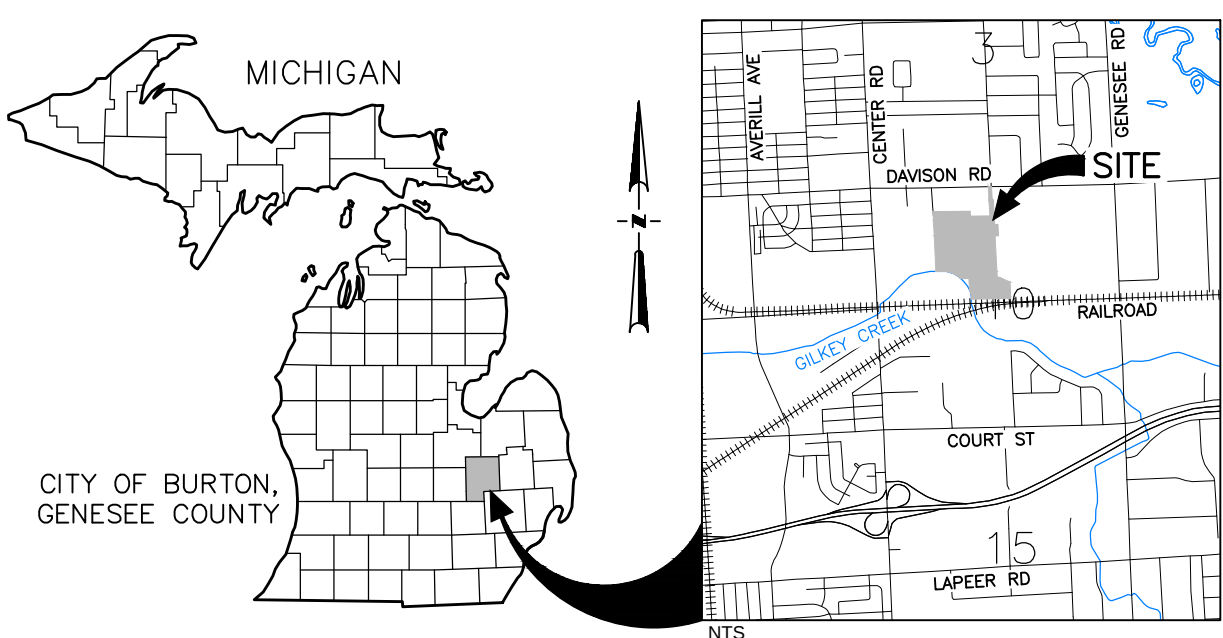


## FIGURES



LOCATION MAP



SITE LOCATION MAP

RACER TRUST  
DAVISON ROAD LANDFILL - BURTON, MICHIGAN

PREPARED BY:



ERG Environmental Resources Group  
28093 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
Phone: 248-773-7986 • Fax: 248-924-3108

FIGURE  
1

DRWG. by : MA  
CHECK :  
DATE : 11/22/2013  
DWG: 12-068\_Figures  
SHEET : 1 OF 8

CONT. INT.: N/A  
FIELD : MD/SM/LB  
V. SCALE : N/A  
SCALE: 1"=150'  
JOB# : 12-068

REVISIONS

DATE

FILE: Project\2012\12-068 Burton Rd RACER Trust Survey\12-068\_Figures\DWG\11/14/2013 7:19 AM

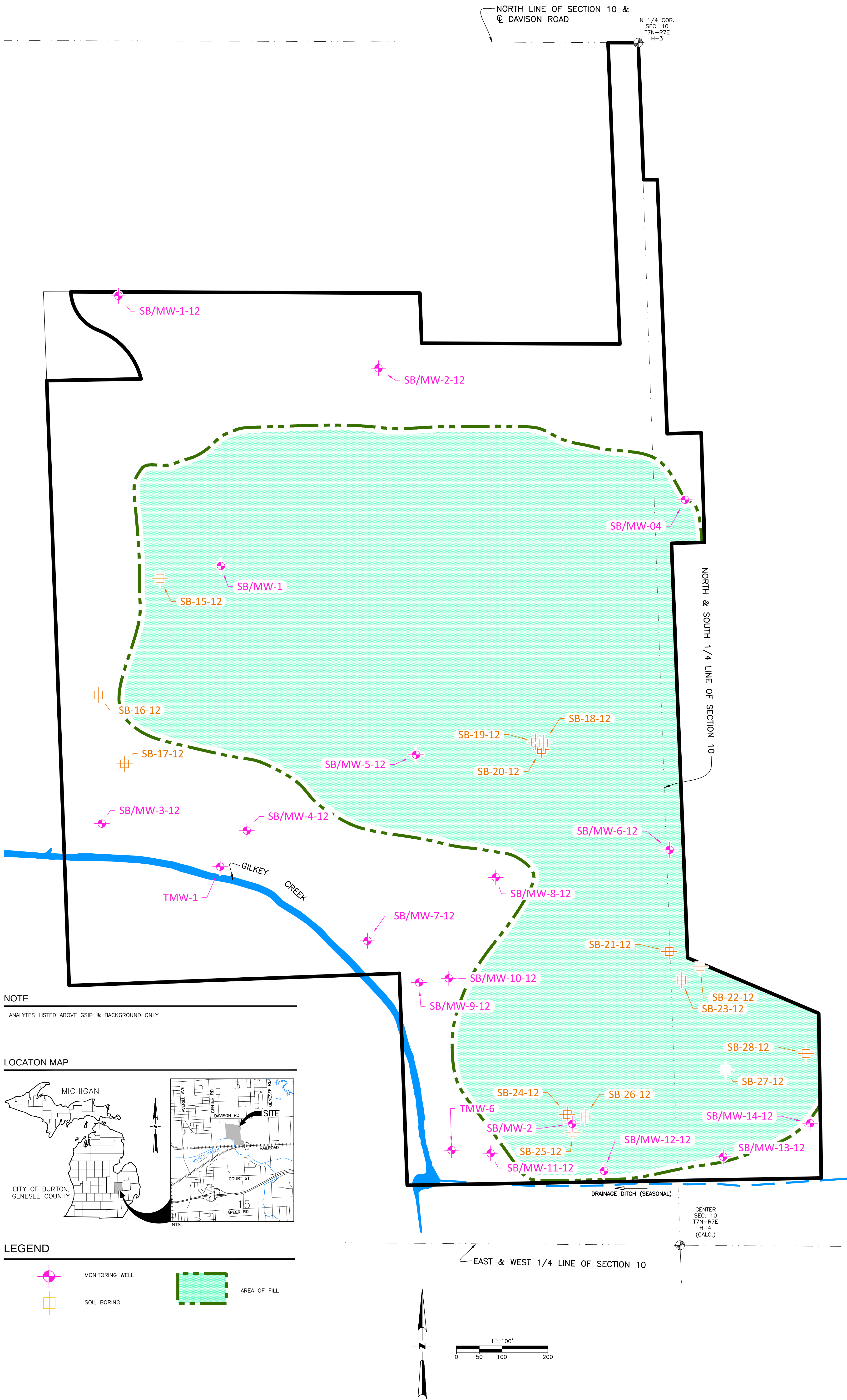


FIGURE  
2

DRWG. by : MA  
CHECK :  
DATE : 11/22/2013  
DWG: 12-068\_Figures  
SHEET : 2 OF 8

CONT. INT.: N/A  
FIELD : MD/SM/LB  
V. SCALE : N/A  
SCALE: 1"=150'  
JOB# :12-068

| REVISIONS | DATE |
|-----------|------|
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

SITE MAP

RACER TRUST  
DAVISON ROAD LANDFILL - BURTON, MICHIGAN

PREPARED BY:



Environmental Resources Group  
28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
Phone: 248-773-7986 • Fax: 248-924-3108

|                               |                                                                                        |                                                                                                               |           |      |
|-------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------|------|
| <b>FIGURE</b><br><br><b>3</b> | DRWG. by : MA<br>CHECK :<br>DATE : 11/22/2013<br>DWG: 12-068_Figures<br>SHEET : 3 OF 8 | CONT. INT.: N/A<br>FIELD : MD/SM/LB<br>V. SCALE : N/A<br><br><b>SCALE: 1"=150'</b><br><br><b>JOB# :12-068</b> | REVISIONS | DATE |
|                               |                                                                                        |                                                                                                               |           |      |
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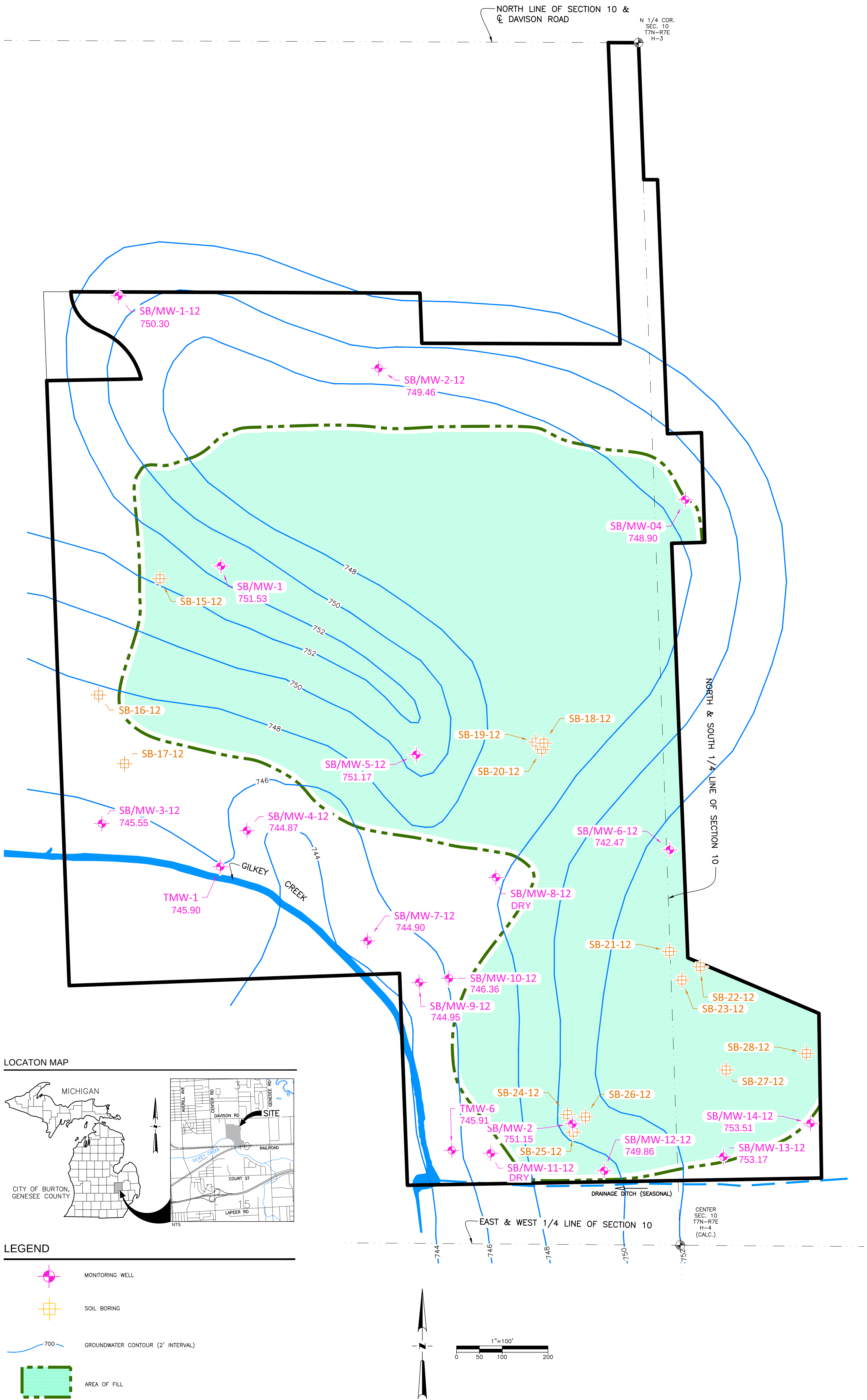
RACER TRUST  
DAVISON ROAD LANDFILL – BURTON, MICHIGAN

PREPARED BY: 

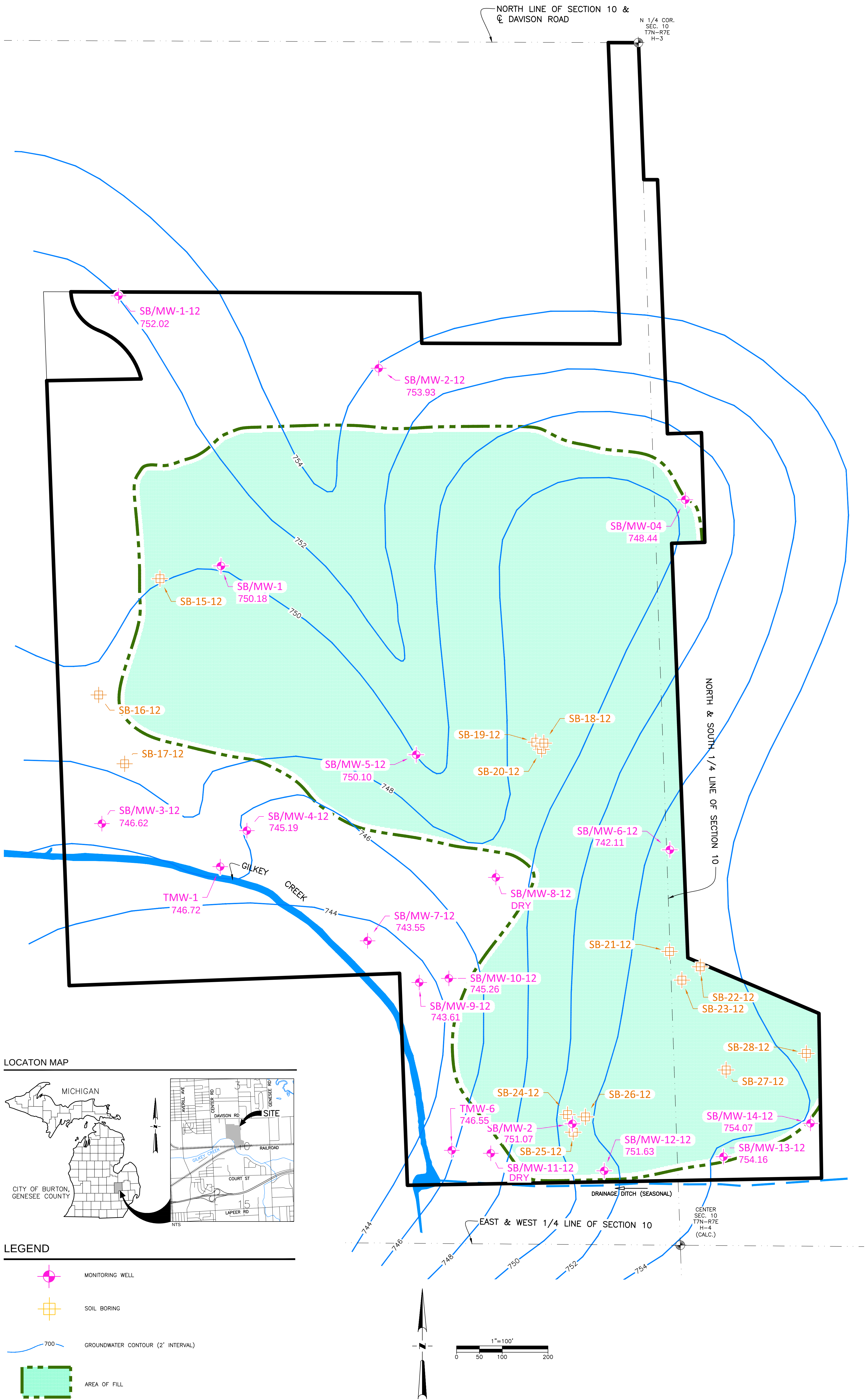
**ERG** Environmental Resources Group  
28095 Center Oaks Court • Suite 106 • Wixom, MI • 48393  
Phone: 248-773-7986 • Fax: 248-924-3108



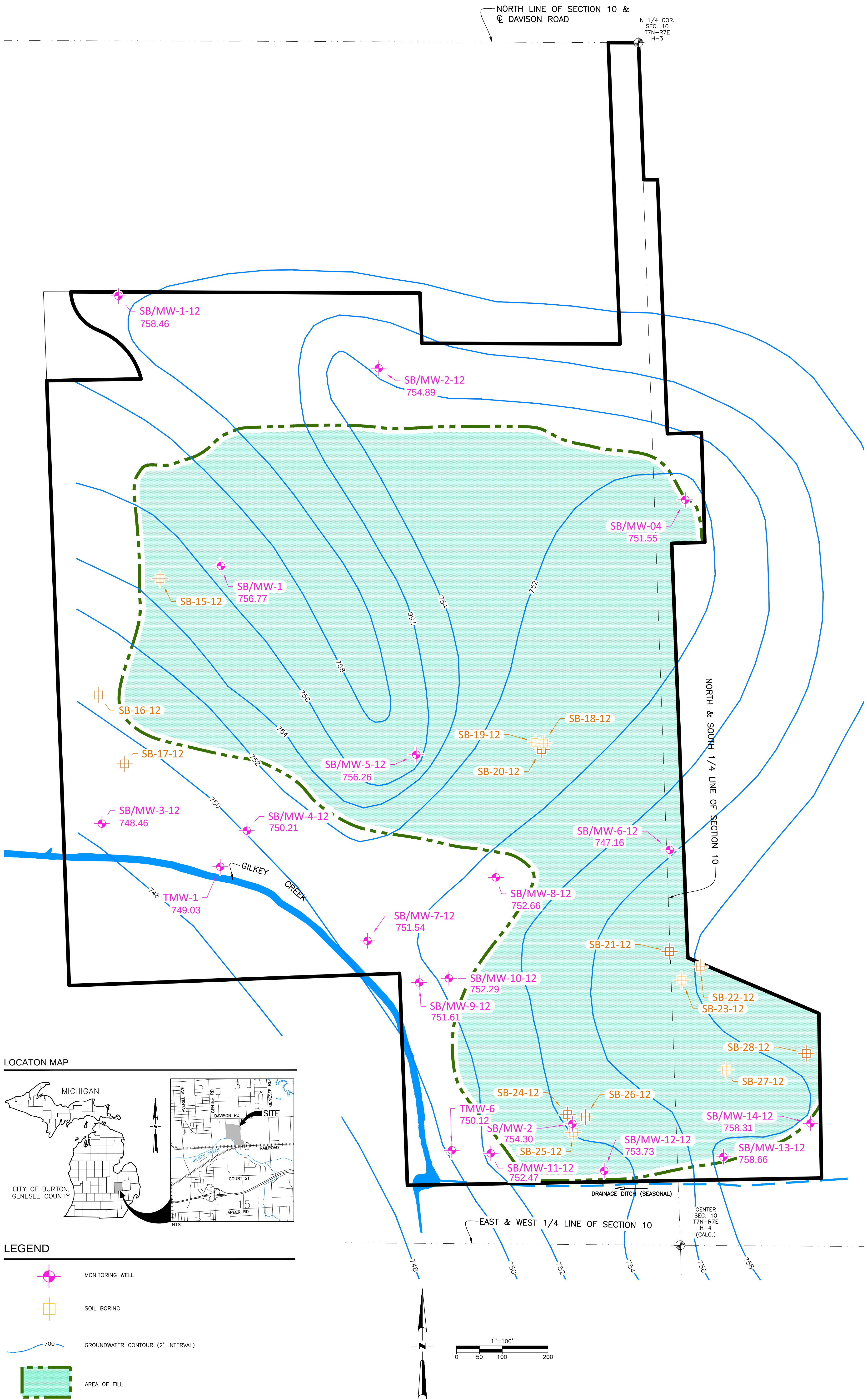
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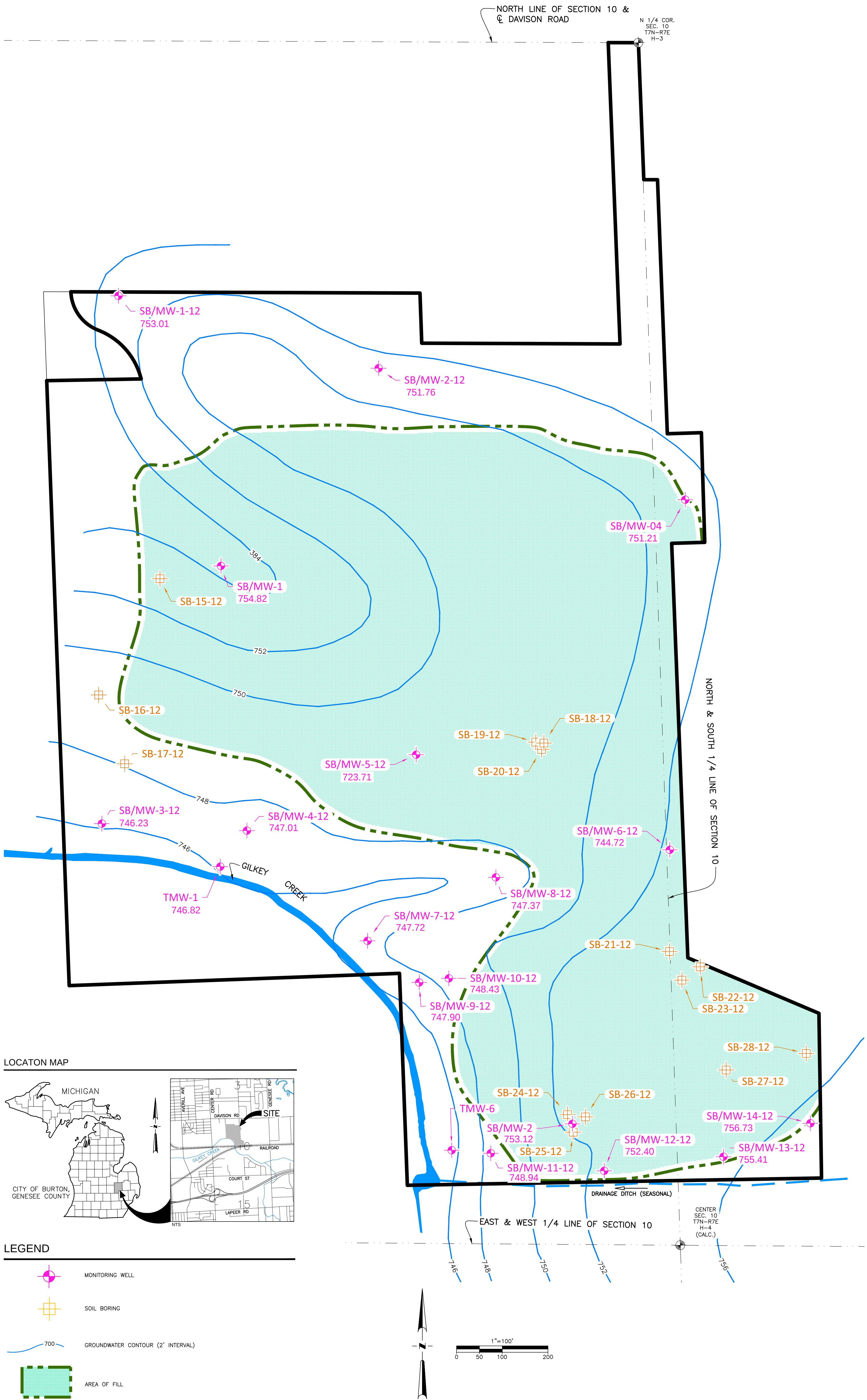
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## TABLES

Table 1 Summary of Soil Analytical Results - Metals-  
July 2012  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Statewide<br>Default<br>Background<br>Levels | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater Contact<br>Protection Criteria and<br>RBSLs | Non-Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-2-12<br>(14'-15')<br>07/16/2012 | SB-24-12<br>(3'-4')<br>07/16/2012 | SB-26-12<br>(7'-8')<br>07/16/2012 | Duplicate 1<br><br>07/16/2012 | SB/MW-1-12<br>(7'-7.5')<br>07/17/2012 | SB-25-12<br>(11'-12')<br>07/17/2012 | SB/MW-14-12<br>(6.5'-7')<br>07/17/2012 | SB-21-12<br>(0'-2')<br>07/17/2012 | SB/MW-13-12<br>(0.5'-1.5')<br>07/17/2012 | Duplicate 2<br><br>07/17/2012 | SB-23-12<br>(1.5'-2.5')<br>07/17/2012 |
|------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------|---------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------|------------------------------------------|-------------------------------|---------------------------------------|
| Metals ug/Kg                             |                                              |                                                                          |                                                                                                     |                                                                            |                                                            |                                       |                                   |                                   |                               |                                       |                                     |                                        |                                   |                                          |                               |                                       |
| Aluminum (B)                             | 6.9E+6                                       | 1,000                                                                    | NA                                                                                                  | 1.09e+9 (D)                                                                | 3.7e+8(DD)                                                 | 885,000                               | 3,070,000                         | 809,000                           | 479,000                       | 2,440,000                             | 2,070,000                           | 1,260,000                              | 1,910,000                         | 2,310,000                                | 1,870,000                     | 1,470,000                             |
| Arsenic                                  | 5,800                                        | 4,600                                                                    | 4,600                                                                                               | 2,000,000                                                                  | 37,000                                                     | 6,110                                 | 2,570                             | 1,120                             | 790                           | 1,400                                 | 610                                 | 1,140                                  | 1,270                             | 1,580                                    | 2,400                         | 1,680                                 |
| Cadmium (B)                              | 1,200                                        | 6,000                                                                    | (G,X)                                                                                               | 2.30E+08                                                                   | 2.10E+06                                                   | <200                                  | 310                               | <200                              | <200                          | <200                                  | <200                                | <200                                   | <200                              | <200                                     | 280                           | 590                                   |
| Chromium, Total                          | 18,000 (total)                               | 1.09e+9(D)                                                               | (G,X)                                                                                               | 1.09e+9(D)                                                                 | 1.09e+9(D)                                                 | 2,820                                 | 26,800                            | 41,500                            | 21,200                        | 3,500                                 | 2,210                               | 2,520                                  | 2,730                             | 2,680                                    | 3,250                         | 10,600                                |
| Cobalt                                   | 6,800                                        | 2,000                                                                    | 2,000                                                                                               | 4.80E+07                                                                   | 9.00E+06                                                   | 3,380                                 | 1,800                             | 1,870                             | 1,050                         | 2,510                                 | 1,740                               | 1,970                                  | 3,440                             | 3,140                                    | 2,200                         | 1,710                                 |
| Copper (B)                               | 32,000                                       | 5.8E+6                                                                   | (G)                                                                                                 | 1.09e+9(D)                                                                 | 7.00E+07                                                   | 9,300                                 | 24,600                            | 24,400                            | 9,860                         | 5,490                                 | 4,920                               | 2,040                                  | 2,680                             | 5,810                                    | 6,770                         | 22,600                                |
| Iron (B)                                 | 1.2E+7                                       | 6,000                                                                    | NA                                                                                                  | 1.09e+9(D)                                                                 | 5.80E+08                                                   | 7,880,000                             | 5,570,000                         | 24,100,000                        | 14,100,000                    | 3,050,000                             | 3,380,000                           | 2,230,000                              | 2,980,000                         | 7,190,000                                | 3,380,000                     | 6,540,000                             |
| Manganese (B)                            | 4.4E+5                                       | 1,000                                                                    | (G,X)                                                                                               | 1.80E+08                                                                   | 9.00E+07                                                   | 390,000                               | 1,260,000                         | 302,000                           | 125,000                       | 109,000                               | 101,000                             | 220,000                                | 315,000                           | 297,000                                  | 271,000                       | 378,000                               |
| Mercury, Total                           | 130                                          | 1,700                                                                    | 50 (M); 1.2                                                                                         | 47,000                                                                     | 5.80E+05                                                   | <50                                   | 65                                | <50                               | <50                           | <50                                   | <50                                 | <50                                    | <50                               | <50                                      | <50                           | 162                                   |
| Vanadium                                 | NA                                           | 9.90E+05                                                                 | 4.30E+05                                                                                            | 1.09e+9(D)                                                                 | 5.5E+6 (DD)                                                | 6,170                                 | 10,300                            | 4,020                             | 2,590                         | 5,460                                 | 6,050                               | 3,770                                  | 5,350                             | 6,310                                    | 5,590                         | 3,890                                 |
| Zinc (B)                                 | 47,000                                       | 5.00E+06                                                                 | (G)                                                                                                 | 1.09e+9(D)                                                                 | 6.3E+8                                                     | 24,200                                | 57,800                            | 11,300                            | 17,800                        | 15,100                                | 15,200                              | 7,870                                  | 8,030                             | 22,100                                   | 33,100                        | 94,600                                |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

Underlined exceeds the Statewide Default Background Levels

*Italic-Exceeds Groundwater Protection Criteria*

Exceeds Direct Contact

Table 1 Summary of Soil Analytical Results - Metals-  
July 2012  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Statewide<br>Default<br>Background<br>Levels | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater Contact<br>Protection Criteria and<br>RBSLs | Non-Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-12-12<br>(8.5'-9.5')<br>07/17/2012 | SB-22-12<br>(2'-3')<br>07/17/2012 | SB/MW-6-12<br>(14'-15')<br>07/17/2012 | SB/MW-10-12<br>(2'-3')<br>07/18/2012 | SB/MW-9 -12<br>(6'-8')<br>07/18/2012 | SB/MW-8-12<br>(5'-6')<br>07/18/2012 | SB/MW-7-12<br>(4'-5')<br>07/19/2012 | SB/MW-4-12<br>(2'-3')<br>07/19/2012 | SB/MW-4-12<br>(2'-3') DUP<br>07/19/2012 | SB-16-12<br>(5'-6')<br>07/19/2012 | SB-17-12<br>(2'-2.5')<br>07/19/2012 |
|------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|-----------------------------------|-------------------------------------|
| Metals ug/Kg                             |                                              |                                                                          |                                                                                                     |                                                                            |                                                            |                                          |                                   |                                       |                                      |                                      |                                     |                                     |                                     |                                         |                                   |                                     |
| Aluminum (B)                             | 6.9E+6                                       | 1,000                                                                    | NA                                                                                                  | 1.09e+9 (D)                                                                | 3.7e+8(DD)                                                 | 3,040,000                                | 2,190,000                         | 2,330,000                             | 3,360,000                            | 2,680,000                            | 3,640,000                           | 5,590,000                           | 1,740,000                           | 2,550,000                               | 4,150,000                         | 2,050,000                           |
| Arsenic                                  | 5,800                                        | 4,600                                                                    | 4,600                                                                                               | 2,000,000                                                                  | 37,000                                                     | 2,160                                    | 1,830                             | 1,680                                 | 4,970                                | 7,240                                | 2,310                               | 680                                 | 7,090                               | 11,800                                  | 10,500                            | 11,900                              |
| Cadmium (B)                              | 1,200                                        | 6,000                                                                    | (G,X)                                                                                               | 2.30E+08                                                                   | 2.10E+06                                                   | 290                                      | <200                              | 260                                   | <200                                 | <200                                 | <200                                | <200                                | 250                                 | 350                                     | <200                              | 210                                 |
| Chromium, Total                          | 18,000 (total)                               | 1.09e+9(D)                                                               | (G,X)                                                                                               | 1.09e+9(D)                                                                 | 1.09e+9(D)                                                 | 4,170                                    | 2,760                             | 3,300                                 | 5,070                                | 5,940                                | 5,140                               | 5,180                               | 3,760                               | 5,220                                   | 7,500                             | 3,420                               |
| Cobalt                                   | 6,800                                        | 2,000                                                                    | 2,000                                                                                               | 4.80E+07                                                                   | 9.00E+06                                                   | 2,400                                    | 4,100                             | 2,630                                 | 3,270                                | 4,990                                | 3,780                               | 5,180                               | 2,800                               | 4,390                                   | 10,600                            | 4,130                               |
| Copper (B)                               | 32,000                                       | 5.8E+6                                                                   | (G)                                                                                                 | 1.09e+9(D)                                                                 | 7.00E+07                                                   | 9,790                                    | 2,340                             | 9,550                                 | 7,080                                | 14,300                               | 5,290                               | 10,200                              | 9,130                               | 14,400                                  | 9,630                             | 5,780                               |
| Iron (B)                                 | 1.2E+7                                       | 6,000                                                                    | NA                                                                                                  | 1.09e+9(D)                                                                 | 5.80E+08                                                   | 5,960,000                                | 3,540,000                         | 3,930,000                             | 18,800,000                           | 10,000,000                           | 5,350,000                           | 26,600,000                          | 2,700,000                           | 4,010,000                               | 13,000,000                        | 4,890,000                           |
| Manganese (B)                            | 4.4E+5                                       | 1,000                                                                    | (G,X)                                                                                               | 1.80E+08                                                                   | 9.00E+07                                                   | 247,000                                  | 331,000                           | 115,000                               | 268,000                              | 333,000                              | 232,000                             | 894,000                             | 215,000                             | 245,000                                 | 1,780,000                         | 343,000                             |
| Mercury, Total                           | 130                                          | 1,700                                                                    | 50 (M); 1.2                                                                                         | 47,000                                                                     | 5.80E+05                                                   | <50                                      | <50                               | <50                                   | <50                                  | <50                                  | <50                                 | <50                                 | <50                                 | <50                                     | <50                               | <50                                 |
| Vanadium                                 | NA                                           | 9.90E+05                                                                 | 4.30E+05                                                                                            | 1.09e+9(D)                                                                 | 5.5E+6 (DD)                                                | 10,400                                   | 6,550                             | 9,220                                 | 10,600                               | 11,100                               | 12,000                              | 11,200                              | 9,620                               | 13,500                                  | 14,200                            | 13,200                              |
| Zinc (B)                                 | 47,000                                       | 5.00E+06                                                                 | (G)                                                                                                 | 1.09e+9(D)                                                                 | 6.3E+8                                                     | 21,600                                   | 9,520                             | 17,000                                | 22,300                               | 19,100                               | 14,200                              | 25,400                              | 15,500                              | 22,300                                  | 34,200                            | 19,400                              |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

Underlined exceeds the Statewide Default Background Levels

*Italic-Exceeds Groundwater Protection Criteria*

Exceeds Direct Contact

Table 1 Summary of Soil Analytical Results - Metals-  
July 2012  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Statewide<br>Default<br>Background<br>Levels | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater Contact<br>Protection Criteria and<br>RBSLs | Non-Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-11-12<br>(6'-7')<br>07/19/2012 | SB/MW-3-12<br>(3'-4')<br>07/19/2012 | SB-28-12<br>(2'-3')<br>07/19/2012 | SB-27-12<br>(2'-3')<br>07/20/2012 | SB-27-12<br>(6'-7')<br>07/20/2012 | SB-18-12<br>(2'-3')<br>07/20/2012 | SB-18-12<br>(8'-9')<br>07/20/2012 | SB-18-12<br>(8'-9') Dup<br>07/20/2012 | SB-19-12<br>(3'-4')<br>07/20/2012 | SB-20-12<br>(1'-2')<br>07/20/2012 | SB/MW-5-12<br>(9'10')<br>07/20/2012 | SB-15-12<br>(11'-12')<br>07/20/2012 |
|------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------|--------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| Metals ug/Kg                             |                                              |                                                                          |                                                                                                     |                                                                            |                                                            |                                      |                                     |                                   |                                   |                                   |                                   |                                   |                                       |                                   |                                   |                                     |                                     |
| Aluminum (B)                             | 6.9E+6                                       | 1,000                                                                    | NA                                                                                                  | 1.09e+9 (D)                                                                | 3.7e+8(DD)                                                 | 2,460,000                            | 1,940,000                           | 3,800,000                         | 2,580,000                         | 1,600,000                         | 1,170,000                         | 4,720,000                         | 4,400,000                             | 4,040,000                         | 2,050,000                         | 1,780,000                           | 950,000                             |
| Arsenic                                  | 5,800                                        | 4,600                                                                    | 4,600                                                                                               | 2,000,000                                                                  | 37,000                                                     | 3,010                                | 4,700                               | 1,640                             | 6,720                             | 2,500                             | 650                               | 1,800                             | 1,570                                 | 1,060                             | 1,730                             | 1,000                               | 840                                 |
| Cadmium (B)                              | 1,200                                        | 6,000                                                                    | (G,X)                                                                                               | 2.30E+08                                                                   | 2.10E+06                                                   | <200                                 | <200                                | <200                              | 3,140                             | 340                               | <200                              | <200                              | <200                                  | <200                              | <200                              | 210                                 | <200                                |
| Chromium, Total                          | 18,000 (total)                               | 1.09e+9(D)                                                               | (G,X)                                                                                               | 1.09e+9(D)                                                                 | 1.09e+9(D)                                                 | 3,340                                | 3,280                               | 5,320                             | 43,800                            | 3,350                             | 5,570                             | 8,870                             | 9,110                                 | 4,040                             | 3,600                             | 27,500                              | 2,030                               |
| Cobalt                                   | 6,800                                        | 2,000                                                                    | 2,000                                                                                               | 4.80E+07                                                                   | 9.00E+06                                                   | 2,820                                | 2,260                               | 3,670                             | 3,430                             | 2,410                             | 570                               | 4,610                             | 6,770                                 | 4,870                             | 2,860                             | 1,520                               | 1,720                               |
| Copper (B)                               | 32,000                                       | 5.8E+6                                                                   | (G)                                                                                                 | 1.09e+9(D)                                                                 | 7.00E+07                                                   | 4,040                                | 9,240                               | 4,910                             | 52,500                            | 7,700                             | 5,500                             | 6,810                             | 5,320                                 | 4,280                             | 4,800                             | 16,400                              | 5,910                               |
| Iron (B)                                 | 1.2E+7                                       | 6,000                                                                    | NA                                                                                                  | 1.09e+9(D)                                                                 | 5.80E+08                                                   | 11,500,000                           | 4,130,000                           | 7,100,000                         | 8,870,000                         | 4,260,000                         | 3,320,000                         | 8,840,000                         | 7,280,000                             | 5,080,000                         | 4,650,000                         | 18,000,000                          | 3,320,000                           |
| Manganese (B)                            | 4.4E+5                                       | 1,000                                                                    | (G,X)                                                                                               | 1.80E+08                                                                   | 9.00E+07                                                   | 377,000                              | 131,000                             | 302,000                           | 866,000                           | 168,000                           | 120,000                           | 231,000                           | 312,000                               | 411,000                           | 624,000                           | 343,000                             | 197,000                             |
| Mercury, Total                           | 130                                          | 1,700                                                                    | 50 (M); 1.2                                                                                         | 47,000                                                                     | 5.80E+05                                                   | <50                                  | <50                                 | <50                               | 104                               | <50                               | <50                               | <50                               | <50                                   | <50                               | <50                               | <50                                 | <50                                 |
| Vanadium                                 | NA                                           | 9.90E+05                                                                 | 4.30E+05                                                                                            | 1.09e+9(D)                                                                 | 5.5E+6 (DD)                                                | 5,930                                | 7,480                               | 9,460                             | 7,910                             | 5,900                             | 1,100                             | 14,400                            | 12,900                                | 6,680                             | 6,780                             | 5,430                               | 4,940                               |
| Zinc (B)                                 | 47,000                                       | 5.00E+06                                                                 | (G)                                                                                                 | 1.09e+9(D)                                                                 | 6.3E+8                                                     | 17,900                               | 21,800                              | 9,910                             | 505,000                           | 26,600                            | 6,810                             | 23,200                            | 18,600                                | 12,600                            | 8,450                             | 29,000                              | 12,800                              |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

Underlined exceeds the Statewide Default Background Levels

*Italic-Exceeds Groundwater Protection Criteria*

~~Exceeds Direct Contact~~

Table 2, Summary of Soil I Analytical Results-VOCs 2012 -Non-Residential Exceedences  
RACER Trust - Davison Road Landfill- Burton, MI

| Sample ID<br>Sample Depth<br>Sample Date | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Contact<br>Protection<br>Criteria and<br>RBSLs | Non-Residential,<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-2-12<br>(14'-15')<br>07/16/2012 | SB-24-12<br>(3'-4')<br>07/16/2012 | SB-26-12<br>(7'-8')<br>07/16/2012 | Duplicate 1<br><br>07/16/2012 | SB/MW-1-12<br>(7'-7.5')<br>07/17/2012 | SB-25-12<br>(11'-12')<br>07/17/2012 | SB/MW-14-12<br>(6.5'-7')<br>07/17/2012 | SB-21-12<br>(0'-2')<br>07/17/2012 | SB/MW-13-12<br>(0.5'-1.5')<br>07/17/2012 | Duplicate 2<br><br>07/17/2012 | SB-23-12<br>(1.5'-2.5')<br>07/17/2012 | SB/MW-12-12<br>(8.5'-9.5')<br>07/17/2012 | SB-22-12<br>(2'-3')<br>07/17/2012 |
|------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------|---------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------|------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------|-----------------------------------|
| Volatiles, VOCs ug/Kg                    |                                                                          |                                                                                             |                                                                          |                                                             |                                       |                                   |                                   |                               |                                       |                                     |                                        |                                   |                                          |                               |                                       |                                          |                                   |
| Ethylbenzene (I)                         | 1,500                                                                    | 360                                                                                         | 1.4E+5 (C)                                                               | 1.4E+5 (C)                                                  | <70                                   | <60                               | <80                               | <70                           | <70                                   | 1,280                               | <100                                   | <200                              | <200                                     | <200                          | <200                                  | <200                                     | <200                              |
| Naphthalene                              | 1.05E+05                                                                 | 730                                                                                         | 2.10E+06                                                                 | 5.20E+07                                                    | <490                                  | <400                              | 1,890                             | 1,630                         | <470                                  | <510                                | <880                                   | <1,500                            | <1,100                                   | <1,100                        | <1,300                                | <1,300                                   | <1,200                            |
| Styrene                                  | 2,700                                                                    | 2,100 (X)                                                                                   | 270,000                                                                  | 520000                                                      | <70                                   | <60                               | <80                               | <70                           | <70                                   | 9,150                               | <100                                   | <200                              | <200                                     | <200                          | <200                                  | <200                                     | <200                              |
| Tetrachloroethylene                      | 100                                                                      | 1,200 (X)                                                                                   | 88,000 (c)                                                               | 88,000 (c)                                                  | <70                                   | <60                               | <80                               | <70                           | <70                                   | <80                                 | <100                                   | <200                              | <200                                     | <200                          | <200                                  | <200                                     | <200                              |
| Trichloroethylene                        | 100                                                                      | 4,000 (X)                                                                                   | 4.40E+05                                                                 | 5.0E+5 (C,DD)                                               | <70                                   | <60                               | <80                               | <70                           | <70                                   | <80                                 | <100                                   | <200                              | <200                                     | <200                          | <200                                  | <200                                     | <200                              |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

*Italic-Exceeds Groundwater Protection Criteria*

Exceeds the Non-Residential Direct Contact Criteria

Note: Includes analytes with concentrations above the  
Non Residential cleanup criteria only.

Table 2, Summary of Soil I Analytical Results-VOCs 2012 -Non-Residential Exceedences  
RACER Trust - Davison Road Landfill- Burton, MI

| Sample ID<br>Sample Depth<br>Sample Date | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Contact<br>Protection<br>Criteria and<br>RBSLs | Non-Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-6-12<br>(14'-15')<br>07/17/2012 | SB/MW-10<br>(2'-3')<br>07/18/2012 | SB/MW-9<br>(6'-8')<br>07/18/2012 | SB/MW-8<br>(5'-6')<br>07/18/2012 | SB/MW-7<br>(4'-5')<br>07/19/2012 | SB/MW-4-12<br>(2'-3')<br>07/19/2012 | SB/MW-4-12<br>(2'-3') DUP<br>07/19/2012 | SB-16-12<br>(5'-6')<br>07/19/2012 | SB-17-12<br>(2'-2.5')<br>07/19/2012 | SB/MW-11-12<br>(6'-7')<br>07/19/2012 |
|------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|-----------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Volatiles, VOCs ug/Kg                    |                                                                          |                                                                                             |                                                                          |                                                            |                                       |                                   |                                  |                                  |                                  |                                     |                                         |                                   |                                     |                                      |
| Ethylbenzene (I)                         | 1,500                                                                    | 360                                                                                         | 1.4E+5 (C)                                                               | 1.4E+5 (C)                                                 | <100                                  | <80                               | <70                              | <70                              | <80                              | <70                                 | <80                                     | <80                               | <70                                 | <70                                  |
| Naphthalene                              | 1.05E+05                                                                 | 730                                                                                         | 2.10E+06                                                                 | 5.20E+07                                                   | <880                                  | <500                              | <470                             | <430                             | <520                             | <460                                | <500                                    | <530                              | <440                                | <460                                 |
| Styrene                                  | 2,700                                                                    | 2,100 (X)                                                                                   | 270,000                                                                  | 520000                                                     | <100                                  | <80                               | <70                              | <70                              | <80                              | <70                                 | <80                                     | <80                               | <70                                 | <70                                  |
| Tetrachloroethylene                      | 100                                                                      | 1,200 (X)                                                                                   | 88,000 (c)                                                               | 88,000 (c)                                                 | <100                                  | <80                               | <70                              | <70                              | <80                              | <70                                 | <80                                     | <80                               | <70                                 | <70                                  |
| Trichloroethylene                        | 100                                                                      | 4,000 (X)                                                                                   | 4.40E+05                                                                 | 5.0E+5 (C,DD)                                              | <100                                  | <80                               | <70                              | <70                              | <80                              | <70                                 | <80                                     | <80                               | <70                                 | <70                                  |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

*Italic-Exceeds Groundwater Protection Criteria*

Exceeds the Non-Residential Direct Contact Criteria

Note: Includes analytes with concentrations above the  
Non Residential cleanup criteria only.

Table 2, Summary of Soil I Analytical Results-VOCs 2012 -Non-Residential Exceedences  
RACER Trust - Davison Road Landfill- Burton, MI

| Sample ID<br>Sample Depth<br>Sample Date | Non-Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Non-Res<br>Groundwater<br>Contact<br>Protection<br>Criteria and<br>RBSLs | Non-Residential,<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-3-12<br>(3'-4')<br>07/19/2012 | SB-28-12<br>(2'-3')<br>07/19/2012 | SB-27-12<br>(2'-3')<br>07/20/2012 | SB-27-12<br>(6'-7')<br>07/20/2012 | SB-18-12<br>(2'-3')<br>07/20/2012 | SB-18-12<br>(8'-9')<br>07/20/2012 | SB-18-12<br>(8'-9') DUP<br>07/20/2012 | SB-19-12<br>(3'-4')<br>07/20/2012 | SB-20-12<br>(1'-2')<br>07/20/2012 | SB/MW-5-12<br>(9'10')<br>07/20/2012 | SB-15-12<br>(11'-12')<br>07/20/2012 |
|------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
| Volatiles, VOCs ug/Kg                    |                                                                          |                                                                                             |                                                                          |                                                             |                                     |                                   |                                   |                                   |                                   |                                   |                                       |                                   |                                   |                                     |                                     |
| Ethylbenzene (l)                         | 1,500                                                                    | 360                                                                                         | 1.4E+5 (C)                                                               | 1.4E+5 (C)                                                  | <60                                 | <70                               | 70                                | <70                               | <50                               | <70                               | <70                                   | <60                               | <60                               | <60                                 | <70                                 |
| Naphthalene                              | 1.05E+05                                                                 | 730                                                                                         | 2.10E+06                                                                 | 5.20E+07                                                    | <380                                | <430                              | 490                               | <480                              | <360                              | <430                              | <460                                  | <400                              | <380                              | 660                                 | <450                                |
| Styrene                                  | 2,700                                                                    | 2,100 (X)                                                                                   | 270,000                                                                  | 520000                                                      | <60                                 | <70                               | <60                               | <70                               | <50                               | <70                               | <70                                   | <60                               | <60                               | <60                                 | <70                                 |
| Tetrachloroethylene                      | 100                                                                      | 1,200 (X)                                                                                   | 88,000 (c)                                                               | 88,000 (c)                                                  | <60                                 | <70                               | 1,710                             | <70                               | <50                               | <70                               | <70                                   | <60                               | <60                               | <60                                 | <70                                 |
| Trichloroethylene                        | 100                                                                      | 4,000 (X)                                                                                   | 4.40E+05                                                                 | 5.0E+5 (C,DD)                                               | <60                                 | <70                               | 130                               | <70                               | <50                               | <70                               | <70                                   | <60                               | <60                               | <60                                 | <70                                 |

Analytical results compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the Drinking Water Criteria**

Shaded -Exceeds the GSIP Criteria

*Italic-Exceeds Groundwater Protection Criteria*

Exceeds the Non-Residential Direct Contact Criteria

Note: Includes analytes with concentrations above the  
Non Residential cleanup criteria only.

Table 3, Summary of Soil Analytical Results -PNAs  
2012  
Non-Residential Exceedences-  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-2-12<br>(14'-15')<br>07/16/2012 | SB-24-12<br>(3'-4')<br>07/16/2012 | SB-26-12<br>(7'-8')<br>07/16/2012 | Duplicate 1<br><br>07/16/2012 | SB/MW-1-12<br>(7'-7.5')<br>07/17/2012 | SB-25-12<br>(11'-12')<br>07/17/2012 | SB/MW-14-12<br>(6.5'-7')<br>07/17/2012 | SB-21-12<br>(0'-2')<br>07/17/2012 | SB/MW-13-12<br>(0.5'-1.5')<br>07/17/2012 | Duplicate 2<br><br>07/17/2012 | SB-23-12<br>(1.5'-2.5')<br>07/17/2012 | SB/MW-12-12<br>(8.5'-9.5')<br>07/17/2012 |
|------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------|---------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------|------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------|
| Semivolatiles, PNAs ug/Kg                |                                                                      |                                                                                  |                                                        |                                       |                                   |                                   |                               |                                       |                                     |                                        |                                   |                                          |                               |                                       |                                          |
| Fluoranthene                             | 7.3E+5                                                               | 5,500                                                                            | 4.6E+7                                                 | <330                                  | 1,200                             | <300                              | <300                          | <330                                  | <300                                | <330                                   | <300                              | <330                                     | 493                           | <300                                  | <330                                     |
| Phenanthrene                             | 56,000                                                               | 2,100                                                                            | 1.6E+6                                                 | <330                                  | <500                              | <300                              | <300                          | <330                                  | <300                                | <330                                   | <300                              | <330                                     | <330                          | <300                                  | <330                                     |

Analytical results compared to the  
MDEQ Part 201 Non-Residential Cleanup Criteria  
**Bold-exceeds the Drinking Water Criteria**  
Shaded -Exceeds the GSIP Criteria  
*Italic-Exceeds Groundwater Protection Criteria*

Note: Includes analytes with concentrations above the  
Non Res cleanup criteria only.

Table 3, Summary of Soil Analytical Results -PNAs  
2012  
Non-Residential Exceedences-  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB-22-12<br>(2'-3')<br>07/17/2012 | SB/MW-6-12<br>(14'-15')<br>07/17/2012 | SB/MW-10-12<br><br>07/18/2012 | SB/MW-9-12<br>(6-8')<br>07/18/2012 | SB/MW-8-12<br>(5'-6')<br>07/18/2012 | SB/MW-7-12<br>(4'-5')<br>07/19/2012 | SB/MW-4-12<br>(2'-3')<br>07/19/2012 | SB/MW-4-12<br>(2'-3') DUP<br>07/19/2012 | SB-16-12<br>(5'-6')<br>07/19/2012 | SB-17-12<br>(2'-2.5')<br>07/19/2012 | SB/MW-11-12<br>(6'-7')<br>07/19/2012 |
|------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------|---------------------------------------|-------------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Semivolatiles, PNAs ug/Kg                |                                                                      |                                                                                  |                                                        |                                   |                                       |                               |                                    |                                     |                                     |                                     |                                         |                                   |                                     |                                      |
| Fluoranthene                             | 7.3E+5                                                               | 5,500                                                                            | 4.6E+7                                                 | <300                              | <330                                  | <330                          | <330                               | <330                                | <330                                | <330                                | <330                                    | <300                              | <300                                | <330                                 |
| Phenanthrene                             | 56,000                                                               | 2,100                                                                            | 1.6E+6                                                 | <300                              | <330                                  | <330                          | <330                               | <330                                | <330                                | <330                                | <330                                    | <300                              | <300                                | <330                                 |

Analytical results compared to the  
MDEQ Part 201 Non-Residential Cleanup Criteria  
**Bold-exceeds the Drinking Water Criteria**  
Shaded -Exceeds the GSIP Criteria  
*Italic-Exceeds Groundwater Protection Criteria*

Note: Includes analytes with concentrations above the  
Non Res cleanup criteria only.

Table 3, Summary of Soil Analytical Results -PNAs  
2012  
Non-Residential Exceedences-  
RACER Trust - Davison Road Landfill  
Burton, Michigan

| Sample ID<br>Sample Depth<br>Sample Date | Residential<br>Drinking Water<br>Protection<br>Criteria and<br>RBSLs | Groundwater<br>Surface Water<br>Interface<br>Protection<br>Criteria and<br>RBSLs | Residential<br>Direct Contact<br>Criteria and<br>RBSLs | SB/MW-3-12<br>(3'-4')<br>07/19/2012 | SB-28-12<br>(2'-3')<br>07/19/2012 | SB-27-12<br>(2'-3')<br>07/20/2012 | SB-27-12<br>(6'-7')<br>07/20/2012 | SB-18-12<br>(2'-3')<br>07/20/2012 | SB-18-12<br>(8'-9')<br>07/20/2012 | SB-18-12<br>(8'-9') DUP<br>07/20/2012 | SB-19-12<br>(3'-4')<br>07/20/2012 | SB-20-12<br>(1'-2')<br>07/20/2012 | SB/MW-5-12<br>(9'10')<br>07/20/2012 | SB-15-12<br><br>07/20/2012 |
|------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|----------------------------|
| Semivolatiles, PNAs ug/Kg                |                                                                      |                                                                                  |                                                        |                                     |                                   |                                   |                                   |                                   |                                   |                                       |                                   |                                   |                                     |                            |
| Fluoranthene                             | 7.3E+5                                                               | 5,500                                                                            | 4.6E+7                                                 | <330                                | <330                              | 5,730                             | 675                               | <300                              | <300                              | <300                                  | <300                              | <300                              | <330                                | <300                       |
| Phenanthrene                             | 56,000                                                               | 2,100                                                                            | 1.6E+6                                                 | <330                                | <330                              | 3,389                             | 434                               | <300                              | <300                              | <300                                  | <300                              | <300                              | <330                                | <300                       |

Analytical results compared to the  
MDEQ Part 201 Non-Residential Cleanup Criteria  
**Bold-exceeds the Drinking Water Criteria**  
Shaded -Exceeds the GSIP Criteria  
*Italic-Exceeds Groundwater Protection Criteria*

Note: Includes analytes with concentrations above the  
Non Res cleanup criteria only.

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-1   |         |         |         | MW-1-12 |         |         |         | MW-2    |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/8/12 | 11/6/12 | 4/23/13 | 7/24/13 | 8/8/12  | 11/6/12 | 4/23/13 | 7/25/13 | 8/10/12 | 11/8/12 | 4/22/13 | 7/24/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 12     | 17      | 14      | 7       | 194     | 14      | 11      | 349     | 8       | 35      | 9       | 12      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | 6      | 6       | 4       | 5       | <2      | <2      | <2      | 51      | 102     | 104     | 15      | 26      |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | <0.5   | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5     | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | <5     | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | <4     | <4      | <5      | <4      | <4      | <4      | <5      | 5       | <4      | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 1,270  | 1,040   | 1,590   | 1,360   | 490     | 50      | 270     | 380     | 25,800  | 25,100  | 16,600  | 20,500  |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 1,590  | 582     | 1,860   | 1,480   | 226     | 27      | <5      | 18      | 3,120   | 3,270   | 577     | 1,190   |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2   | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | <4     | <4      | <2      | <4      | <4      | <4      | <4      | <4      | 6       | 6       | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | <5     | 6       | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-2-12 |         |         |         | MW-3-12 |         |         |         | MW-4-12 |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/8/12  | 11/6/12 | 4/23/13 | 7/25/13 | 8/9/12  | 11/6/12 | 4/17/13 | 7/24/13 | 8/9/12  | 11/6/12 | 4/17/13 | 7/24/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 21      | 19      | 199     | 8       | 37      | 26      | 56      | 15      | 44      | 18      | 19      | 23      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | 2       | <2      | <2      | <2      | 25      | 19      | 2       | 13      | 5       | 12      | <2      | 3       |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | <4      | <4      | <5      | <4      | <4      | <4      | <5      | <4      | <4      | <4      | 6       | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 180     | 20      | 2,100   | 470     | 6,170   | 5,000   | 410     | 3,480   | 330     | 5,310   | 640     | 410     |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 347     | 8       | 30      | 69      | 823     | 523     | 73      | 855     | 417     | 351     | 164     | 1680    |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | <4      | <4      | <2      | <4      | <4      | <4      | <2      | <4      | <4      | <4      | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | <5      | <5      | 10      | <5      | 10      | <5      | <5      | <5      | <5      | 6       | <5      | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-4-04 |         |         |         | MW-5-12 |         |         |         | MW-6-12 |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/9/12  | 11/6/12 | 4/23/13 | 7/25/13 | 8/10/12 | 11/8/12 | 4/23/13 | 7/24/13 | 8/10/12 | 11/6/12 | 4/23/13 | 7/25/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 509     | NS I GW | 30      | 6       | 8       | 13      | 38      | 11      | 32      | 73      | 32      | 11      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | 8       | NS I GW | <2      | <2      | 3       | <2      | <2      | <2      | 19      | 29      | 2       | 10      |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | 1.1     | NS I GW | <.5     | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5      | NS I GW | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | 23      | NS I GW | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | 7       |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | 22      | NS I GW | 100     | <4      | <4      | <4      | <5      | 17      | <4      | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 9,360   | NS I GW | 2,310   | 320     | 16,600  | 5,320   | 770     | 5,550   | 10,200  | 11,200  | 3,570   | 7,420   |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 4,740   | NS I GW | 140     | 252     | 1,540   | 1,830   | 596     | 1100    | 1,020   | 878     | 2,270   | 3,880   |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2    | NS I GW | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2 *  | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | 5       | NS I GW | <2      | <4      | <4      | <4      | <2      | <4      | <4      | <4      | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | 65      | NS I GW | 9       | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-7-12 |         |         |         | MW-8-12 |         |         |         | MW-9-12 |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/9/12  | 11/6/12 | 4/17/13 | 7/24/13 | 8/9/13  | 11/6/13 | 4/17/13 | 7/25/13 | 8/9/12  | 11/8/12 | 4/16/13 | 7/23/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 25      | 17      | 45      | 11      | 13      | NS I GW | 14      | 144     | 31      | <5      | 14      | 30      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | 3       | 2       | <2      | <2      | 39      | NS I GW | <2      | <2      | 3       | 22      | <2      | 6       |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | NS I GW | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5      | <5      | <5      | <5      | <5      | NS I GW | <5      | <5      | <5      | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | <5      | <5      | <5      | <5      | <5      | NS I GW | <5      | <5      | <5      | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | <4      | <4      | 10      | <4      | <4      | NS I GW | <5      | <4      | <4      | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 120     | 180     | 910     | 100     | 23,700  | NS I GW | 440     | 700     | 90      | 3,640   | 100     | 2,040   |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 29      | 128     | <5      | 266     | 4,600   | NS I GW | 47      | 269     | 162     | 219     | 256     | 376     |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | NS I GW | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | <4      | <4      | <2      | <4      | <4      | NS I GW | <2      | <4      | <4      | <4      | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | <5      | <5      | <5      | <5      | <5      | NS I GW | <5      | 9       | <5      | <5      | <5      | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-10-12 |         |         |         | MW-11-12 |         |         |         | MW-12-12 |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------|---------|---------|---------|----------|---------|---------|---------|----------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/10/12  | 11/8/12 | 4/16/13 | 7/25/13 | 8/19/12  | 11/6/12 | 4/18/13 | 7/23/13 | 8/9/12   | 11/8/12 | 4/22/13 | 7/23/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 19       | NS I GW | 12      | 11      | NS I GW  | NS I GW | 13      | 11      | 13       | 13      | 44      | 12      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | 166      | NS I GW | 19      | 51      | NS I GW  | NS I GW | <2      | <2      | 39       | 31      | 29      | 26      |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | <0.5     | NS I GW | <0.5    | <0.5    | NS I GW  | NS I GW | <0.5    | <0.5    | <0.5     | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5       | NS I GW | <5      | <5      | NS I GW  | NS I GW | <5      | <5      | <5       | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | <5       | NS I GW | <5      | <5      | NS I GW  | NS I GW | <5      | <5      | <5       | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | <4       | NS I GW | <5      | <4      | NS I GW  | NS I GW | <5      | <4      | <4       | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 21,700   | NS I GW | 11,600  | 11,200  | NS I GW  | NS I GW | 700     | 160     | 23,700   | 25,100  | 34,200  | 27,700  |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 1,570    | NS I GW | 2,170   | 1,640   | NS I GW  | NS I GW | 247     | 1,040   | 4,600    | 4,610   | 5,180   | 4,940   |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2     | NS I GW | <0.2    | <0.2    | NS I GW  | NS I GW | <0.2    | <0.2    | <0.2     | <0.2 *  | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | <4       | NS I GW | <2      | <4      | NS I GW  | NS I GW | <2      | <4      | <4       | <4      | <4      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | 14       | NS I GW | <5      | <5      | NS I GW  | NS I GW | <5      | <5      | <5       | <5      | <5      | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | MW-13-12 |         |         |         | MW-14-12 |         |         |         | GC-1 (Upstream) |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------|---------|---------|---------|----------|---------|---------|---------|-----------------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/9/12   | 11/6/12 | 4/22/13 | 7/23/13 | 8/9/12   | 11/6/12 | 4/22/13 | 7/23/13 | 8/12/13         | 11/6/12 | 4/22/13 | 7/22/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | 12       | 7       | 13      | 27      | 38       | 16      | 8       | 22      | NS I GW         | 92      | 251     | 65      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | <2       | 3       | <2      | <2      | <2       | <2      | <2      | <2      | NS I GW         | 3       | 2       | 6       |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | <0.5     | <0.5    | <0.5    | <0.5    | <0.5     | <0.5    | <0.5    | <0.5    | NS I GW         | <0.5    | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | <5       | <5      | <5      | <5      | <5       | <5      | <5      | <5      | NS I GW         | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | <5       | <5      | <5      | <5      | <5       | <5      | <5      | <5      | NS I GW         | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | <4       | <4      | <5      | <4      | <4       | <4      | <4      | <4      | NS I GW         | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | 70       | 1,360   | 440     | 360     | 60       | 40      | 330     | 20      | NS I GW         | 780     | 780     | 400     |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | 304      | 626     | <5      | 291     | 184      | 92      | 110     | 22      | NS I GW         | 95      | 52      | 57      |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | <0.2     | <0.2 *  | <0.2    | <0.2    | <0.2     | <0.2 *  | <0.2    | <0.2    | NS I GW         | <0.2    | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | <4       | <4      | <2      | <4      | <4       | <4      | <2.0    | <4      | NS I GW         | <4      | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | <5       | <5      | <5      | <5      | <5       | 11      | <5.0    | <5      | NS I GW         | 7       | 8       | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | GC-2 (Mid) |         |         |         | GC-3 (Downstream) |         |         |         | TMW-1  |         |         |         | TMW-6   |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------|---------|---------|---------|-------------------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/12/12    | 11/6/12 | 4/17/13 | 7/22/13 | 8/12/12           | 11/6/12 | 4/17/13 | 7/22/13 | 8/9/12 | 11/8/12 | 4/17/13 | 7/24/13 | 8/10/12 | 11/8/12 | 4/18/13 | 7/23/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | NS I GW    | 437     | 178     | 14      | NS I GW           | 67      | 312     | 19      | 29     | 20      | 14      | 15      | 211     | 59      | 59      | 33      |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | NS I GW    | 3       | <2      | 6       | NS I GW           | 2       | 3       | 7       | 3      | <2      | <2      | 4       | 9       | <2      | <2      | 2       |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | NS I GW    | <0.5    | <0.5    | <0.5    | NS I GW           | <0.5    | <0.5    | <0.5    | <0.5   | <0.5    | <0.5    | <0.5    | 0.6     | 0.6     | <0.5    | <0.5    |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | NS I GW    | <5      | <5      | <5      | NS I GW           | <5      | <5      | <5      | <5     | <5      | <5      | <5      | 7       | <5      | <5      | <5      |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | NS I GW    | <5      | <5      | <5      | NS I GW           | <5      | <5      | <5      | <5     | <5      | <5      | <5      | <5      | <5      | <5      | <5      |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | NS I GW    | <4      | <5      | <4      | NS I GW           | <4      | <5      | <4      | <4     | 6       | 5       | <4      | 4       | <4      | <5      | <4      |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | NS I GW    | 1,520   | 800     | 290     | NS I GW           | 650     | 1,230   | 280     | 840    | 630     | 960     | 2,200   | 4,920   | 100     | 1,170   | 1,880   |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | NS I GW    | 125     | 50      | 38      | NS I GW           | 72      | 76      | 32      | 325    | 277     | 5       | 260     | 308     | 316     | 462     | 1,090   |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | NS I GW    | <0.2    | <0.2    | <0.2    | NS I GW           | <0.2    | <0.2    | <0.2    | <0.2   | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    | <0.2    |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | NS I GW    | <4      | <2      | <4      | NS I GW           | <4      | <2      | <4      | <4     | <4      | <2      | <4      | <4      | <4      | <2      | <4      |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | NS I GW    | 16      | 8       | <5      | NS I GW           | 6       | 21      | <5      | <5     | <5      | <5      | <5      | 11      | 21      | 360     | <5      |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

Table 4  
Groundwater Analytical Results  
Metals  
Davison Road Landfill  
Burton, MI

| Metals ug/L     | Non-Residential<br>Drinking Water<br>Criteria and<br>RBSLs | Non-Residential<br>Groundwater<br>Surface Water<br>Interface<br>Protection Criteria<br>and RBSLs | Non-Residential<br>Groundwater<br>Contact Criteria<br>and RBSLs | D-3 East |         |         |         | D-2 Mid |         |         |         | D-1 West |         |         |         |
|-----------------|------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|
|                 |                                                            |                                                                                                  |                                                                 | 8/10/12  | 11/8/12 | 4/22/13 | 7/22/13 | 8/10/12 | 11/8/12 | 4/22/13 | 7/22/13 | 8/10/12  | 11/8/12 | 4/22/13 | 7/22/13 |
| Aluminum (B)    | 4,100                                                      | NA                                                                                               | 6.4E+7                                                          | NS I GW  | NS I GW | 82      | 24      | NS I GW | NS I GW | 64      | NS-I GW | NS I GW  | NS I GW | 68      | NS-I GW |
| Arsenic         | 10 (A)                                                     | 10                                                                                               | 4,300                                                           | NS I GW  | NS I GW | <2      | 18      | NS I GW | NS I GW | <2      | NS-I GW | NS I GW  | NS I GW | <2      | NS-I GW |
| Cadmium (B)     | 5.0 (A)                                                    | (G,X)                                                                                            | 1.9E+5                                                          | NS I GW  | NS I GW | <0.5    | <0.5    | NS I GW | NS I GW | <0.5    | NS-I GW | NS I GW  | NS I GW | <0.5    | NS-I GW |
| Chromium, Total | 100 (A)                                                    | 11                                                                                               | 4.6E+5                                                          | NS I GW  | NS I GW | <5      | <5      | NS I GW | NS I GW | <5      | NS-I GW | NS I GW  | NS I GW | <5      | NS-I GW |
| Cobalt          | 100                                                        | 100                                                                                              | 2.4E+6                                                          | NS I GW  | NS I GW | <5      | <5      | NS I GW | NS I GW | <5      | NS-I GW | NS I GW  | NS I GW | <5      | NS-I GW |
| Copper (B)      | 1,000 (E)                                                  | (G)                                                                                              | 7.4E+6                                                          | NS I GW  | NS I GW | <5      | <4      | NS I GW | NS I GW | <5      | NS-I GW | NS I GW  | NS I GW | <5      | NS-I GW |
| Iron (B)        | 5,600(E)                                                   | NA                                                                                               | 5.8E+7                                                          | NS I GW  | NS I GW | 350     | 19,000  | NS I GW | NS I GW | 350     | NS-I GW | NS I GW  | NS I GW | 410     | NS-I GW |
| Manganese (B)   | 2,500 (E)                                                  | (G,X)                                                                                            | 9.1E+6                                                          | NS I GW  | NS I GW | 30      | 10,400  | NS I GW | NS I GW | 55      | NS-I GW | NS I GW  | NS I GW | 48      | NS-I GW |
| Mercury, Total  | 2.0 (A)                                                    | 0.0013                                                                                           | 56 (S)                                                          | NS I GW  | NS I GW | <0.2    | <0.2    | NS I GW | NS I GW | <0.2    | NS-I GW | NS I GW  | NS I GW | <0.2    | NS-I GW |
| Vanadium        | 62                                                         | 12                                                                                               | 9.7E+5                                                          | NS I GW  | NS I GW | <2      | <4      | NS I GW | NS I GW | <2      | NS-I GW | NS I GW  | NS I GW | <2      | NS-I GW |
| Zinc (B)        | 5,000 (E)                                                  | (G)                                                                                              | 1.1E+8                                                          | NS I GW  | NS I GW | 8       | <5      | NS I GW | NS I GW | <5      | NS-I GW | NS I GW  | NS I GW | <5      | NS-I GW |

Notes:

NS I GW-Not samples, insufficient groundwater in MW

VOC-All concentrations below laboratory detection limit

SVOC/PNAs-All concentrations below laboratory detection limit

Results in parts per billion (ppb)/micrograms per liter (ug/l)

Concentrations compared to the MDEQ Part 201 Non-Residential Cleanup Criteria

**Bold-exceeds the MDEQ Part 201 Non Residential Drinking Water Criteria**

Shaded-Exceeds Non-Residential GSI Criteria

## **APPENDIX A**

### **SOIL BORING LOGS & MONITORING WELL CONSTRUCTION DIAGRAMS**



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-1-12

**BORING LOCATION:** NW corner of site

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|---------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 2.0) Brown, Dry, SILT; with sand                             |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            |                                                                     |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            | (2.0 - 5.0) Brown, Dry, SILT; with clay, gravel                     |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            |                                                                     |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
|           |            |                                                                     |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          | (5.0 - 7.0) Brown/Gray, Moist, SILT, CLAY and SAND;<br>trace gravel |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            |                                                                     |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            | (7.0 - 11.0) Brown, Moist, SILT and FINE SAND                       |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           | Collected sample<br>at 7-7.5' |
|           |            |                                                                     |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
| -10.0     | 10         |                                                                     |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
|           |            |                                                                     |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            | (11.0 - 12.0) Gray, Wet, SILT                                       |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                                                     |           |             |                                                                     |            |                                           |              |                               |

## GROUNDWATER OBSERVATIONS

∞ DURING DRILLING: 7.5'

▼ AT COMPLETION OF DRILLING: NR

∞ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-2-12

**BORING LOCATION:** East of MW-1

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/16/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                        | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|---------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 4.0) Brown, Dry, Silty SAND          |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            |                                             |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            |                                             |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            |                                             |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
|           |            | (4.0 - 7.0) Brown, Very Moist, Silty SAND   |           |             | 5SS<br>4-5'                                                         |            |                                           | 1            |                               |
| -5.0      | 5          |                                             |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            |                                             |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            | (7.0 - 11.0) Gray, Moist, CLAY              |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                               |
|           |            |                                             |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
| -10.0     | 10         |                                             |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
|           |            |                                             |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            | (11.0 - 16.0) Gray, Moist, SILT; trace clay |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
|           |            |                                             |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                               |
|           |            |                                             |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                             |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           | Collected sample<br>at 14-15' |
|           |            |                                             |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                               |

## GROUNDWATER OBSERVATIONS

∞ DURING DRILLING: NE

▼ AT COMPLETION OF DRILLING: NR

▼ AFTER NR HOURS: NR

NE - Not Encountered      NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-3-12

**BORING LOCATION:** West side of creek

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/19/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                           | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|--------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 1.0) Dark Brown, Dry, TOPSOIL, SAND and SILT; trace organics and gravel |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            | (1.0 - 4.0) Brown, Dry, Sandy SILT; some organics, few gravel                  |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           | Collected sample at 3-4' |
|           |            | (4.0 - 8.0) Gray, Wet, Silty SAND                                              |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                          |
| -5.0      | 5          |                                                                                |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            | (8.0 - 12.0) Gray, Wet, SILT; some clay                                        |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
| -10.0     | 10         |                                                                                |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            | (12.0 - 16.0) Gray, Wet, Clayey SILT                                           |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                                                |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 5'

▼ AT COMPLETION OF DRILLING: NR

▼ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB/MW-4-12  
**BORING LOCATION:** NW of MW-7, north of creek  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/19/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Lambert  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                           | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|--------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 2.0) Black, Moist, TOPSOIL, Fine to Medium SAND and SILT; some organics |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            | (2.0 - 4.0) Brown, Moist, Fine to Medium SAND and SILT                         |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample at 2-3' |
|           |            |                                                                                |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                          |
|           |            | (4.0 - 6.0) Brown, Moist, Fine to Coarse SAND; some gravel, few cobbles        |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           | Collected sample at 4-5' |
| -5.0      | 5          |                                                                                |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            | (6.0 - 8.0) Gray, Wet, Silty CLAY                                              |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            | (8.0 - 12.5) Gray, Wet, CLAY                                                   |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
| -10.0     | 10         |                                                                                |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
|           |            | (12.5 - 16.0) Gray, Wet, Silty CLAY                                            |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                                                |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 6'  
▼ AT COMPLETION OF DRILLING: NR  
≡ AFTER NR HOURS: NR  
NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB/MW-5-12  
**BORING LOCATION:** 273' west of FA-8, along path  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/20/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Lambert  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                    | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters  |
|-----------|------------|-------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|---------------------------|
| 0.0       | 0          | (0.0 - 0.5) Gray, Dry, CONCRETE DUST; some broken concrete pieces       |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                           |
|           |            | (0.5 - 4.0) Black, Moist, Foundry SAND; trace organics and metal pieces |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           | Collected sample at 3-4'  |
|           |            | (4.0 - 11.0) Black with Red and Brown, Moist, Foundry SAND              |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                           |
| -5.0      | 5          |                                                                         |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                           |
|           |            |                                                                         |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           | Collected sample at 9-10' |
| -10.0     | 10         |                                                                         |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                           |
|           |            | (11.0 - 12.0) Dark Gray, Wet, Clayey SILT; trace fine sand              |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                           |
|           |            | (12.0 - 13.0) Black, Wet, Sandy SILT; some gravel                       |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                           |
|           |            | (13.0 - 16.0) Gray, Wet, SILT; trace clay                               |           |             |                                                                     |            |                                           |              |                           |
| -15.0     | 15         |                                                                         |           |             |                                                                     |            |                                           |              |                           |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 11'  
▼ AT COMPLETION OF DRILLING: NR  
≡ AFTER NR HOURS: NR  
NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-6-12

**BORING LOCATION:**

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                         | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters   |
|-----------|------------|--------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|----------------------------|
| 0.0       | 0          | (0.0 - 4.0) Hard, Brown, Dry SILT; with clay and coarse sand |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                            |
| -5.0      | 5          | (4.0 - 9.0) Brown, SILT; trace coarse sand                   |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                            |
| -10.0     | 10         | (9.0 - 15.0) Gray, Moist, CLAY                               |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                            |
|           |            |                                                              |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                            |
| -15.0     | 15         | (15.0 - 15.5) Gray, Wet, Fine to Medium SAND                 |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           | Collected sample at 14-15' |
|           |            | Obstruction at 15.5'                                         |           |             | 16SS<br>15-15.5'                                                    |            |                                           | <1           |                            |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 15'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB/MW-7-12  
**BORING LOCATION:** Midstream along Gilkey Creek  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/19/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Lambert  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                     | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|----------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 0.5) Black, Moist, TOPSOIL; some organics         |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            | (0.5 - 3.8) Brown, Moist, Fine SAND; some silt           |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            | (3.8 - 4.0) Brown, Moist, Fine to Medium SAND; some silt |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 5.0) Brown, Moist, SILT; trace gravel             |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           | Collected sample<br>at 4-5' |
| -5.0      | 5          | (5.0 - 6.0) Brown, Very Moist, Fine to Medium SAND       |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (6.0 - 8.0) Gray, Moist, CLAY                            |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (8.0 - 10.5) Brown, Wet, Fine to Medium SAND             |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
| -10.0     | 10         | (10.5 - 12.0) Gray, Moist, CLAY                          |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            | (12.0 - 16.0) Gray, Saturated/Wet, SILT                  |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                          |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

☐ DURING DRILLING: NE  
▼ AT COMPLETION OF DRILLING: NR  
☒ AFTER NR HOURS: NR  
NE - Not Encountered    NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-8-12

**BORING LOCATION:**

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/18/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                              | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|-------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 4.0) Mottled Brown/Orange, Moist, Sandy SILT; trace gravel |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 7.0) Brown, Dry, Sandy SILT; trace gravel                  |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          |                                                                   |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           | Collected sample<br>at 5-6' |
|           |            |                                                                   |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            | (7.0 - 8.0) Gray and Pink Mottled, SILT; some clay                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (8.0 - 16.0) Gray, Wet, SILT; some clay                           |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
| -10.0     | 10         |                                                                   |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            |                                                                   |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                                   |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 8.5'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB/MW-9-12  
**BORING LOCATION:** near creek, west of MW-10  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/18/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Lambert  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                              | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|-------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 2.5) Mottled Brown/Orange, Dry, Sandy SILT; trace organics |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                          |
|           |            | (2.5 - 3.5) Moist, Fine SAND; some silt                           |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                          |
|           |            | (3.5 - 4.0) Brown, Moist, SILT; some clay                         |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                          |
| -5.0      | 5          | (4.0 - 6.0) Brown, Moist, SILT; trace clay                        |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            | (6.0 - 8.0) Gray, Moist, SILT and CLAY                            |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           | Collected sample at 6-8' |
|           |            |                                                                   |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            | (8.0 - 12.0) Gray, Wet, SILT; some clay                           |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
| -10.0     | 10         |                                                                   |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            | (12.0 - 15.0) Gray, Wet, SILT                                     |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
|           |            |                                                                   |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         | (15.0 - 16.0) Gray, Wet, Fine to Medium SAND                      |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |

## GROUNDWATER OBSERVATIONS

☒ DURING DRILLING: 10'  
☒ AT COMPLETION OF DRILLING: NR  
☒ AFTER NR HOURS: NR  
NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-10-12

**BORING LOCATION:** east of MW-9

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/18/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                       | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 1.0) Brown, Dry, SAND and SILT; some organics       |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            | (1.0 - 4.0) Mottled Brown/Orange, Moist to Wet, Sandy SILT |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                            |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            |                                                            |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          | (4.0 - 6.0) Brown, Moist to Wet, Sandy SILT                |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
|           |            |                                                            |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (6.0 - 7.0) Gray, Wet, Sandy SILT                          |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            | (7.0 - 8.0) Gray, Wet, SILT; some clay                     |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (8.0 - 12.0) Gray, Saturated, SILT                         |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
| -10.0     | 10         |                                                            |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
|           |            |                                                            |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                            |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                            |           |             |                                                                     |            |                                           |              |                             |

## GROUNDWATER OBSERVATIONS

☐ DURING DRILLING: 5'

▼ AT COMPLETION OF DRILLING: NR

☒ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-11-12

**BORING LOCATION:** SW corner of site

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/19/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                           | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|--------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 2.0) Brown, Dry, SILT, SAND and FOUNDRY FILL;<br>trace organics         |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                                                |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            | (2.0 - 3.0) Mottled Brown and Red, Dry, SILT and Fine<br>SAND; trace organics  |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            | (3.0 - 4.0) Mottled Brown and Gray, Dry, SILT                                  |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 7.5) Mottled Brown and Orange, Moist, SILT and Fine<br>SAND             |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          |                                                                                |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (7.5 - 8.0) Gray, Moist, Sandy SILT; trace organics                            |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           | Collected sample<br>at 6-7' |
|           |            | (8.0 - 9.0) Brown, Wet, Silty SAND                                             |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (9.0 - 12.0) Gray, Wet, CLAY; trace silt with a coarse sand<br>lense at 10.75' |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
| -10.0     | 10         |                                                                                |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
|           |            |                                                                                |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            | (12.0 - 16.0) Gray, Wet, SILT; some clay                                       |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                                                |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 8.5'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-12-12

**BORING LOCATION:**

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                      | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters     |
|-----------|------------|---------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|------------------------------|
| 0.0       | 0          | (0.0 - 7.5) Brown, Dry, SILT and SAND; with concrete and gravel           |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                              |
| -5.0      | 5          |                                                                           |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                              |
|           |            | (7.0 - 8.5) Brown, SILT and CLAY; with coarse sand                        |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                              |
|           |            | (8.5 - 10.5) Black, Moist, CLAY; with silt and debris (rubber & organics) |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           | Collected sample at 8.5-9.5' |
| -10.0     | 10         |                                                                           |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                              |
|           |            | (10.5 - 14.0) Gray, Moist, SILT and Fine SAND                             |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                              |
|           |            |                                                                           |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                              |
| -15.0     | 15         | (14.0 - 15.0) Gray, Moist, Medium to Coarse SAND                          |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                              |
|           |            | (15.0 - 16.0) Gray, Moist, CLAY                                           |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                              |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 14'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB/MW-13-12  
**BORING LOCATION:** along south property line  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/17/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Graves  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                          | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters     |
|-----------|------------|---------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|------------------------------|
| 0.0       | 0          | (0.0 - 3.0) Brown, Dry, SILT and SAND; with concrete and slag |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           | Collected sample<br>at 5-15' |
|           |            |                                                               |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                              |
|           |            |                                                               |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                              |
|           |            | (3.0 - 6.0) Brown, Dry, SILT; with fine sand, clay and gravel |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                              |
|           |            |                                                               |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                              |
| -5.0      | 5          |                                                               |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                              |
|           |            | (6.0 - 7.5) Brown, Moist, Fine SAND                           |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                              |
|           |            | (7.5 - 8.0) Brown, SILT                                       |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                              |
|           |            | (8.0 - 12.0) Gray, Moist, SILT and CLAY; with plastic         |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                              |
| -10.0     | 10         |                                                               |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                              |
|           |            |                                                               |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                              |
|           |            |                                                               |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                              |
| -15.0     | 15         |                                                               |           |             |                                                                     |            |                                           |              |                              |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 6.5'  
▼ AT COMPLETION OF DRILLING: NR  
▼ AFTER NR HOURS: NR  
NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB/MW-14-12

**BORING LOCATION:** SE corner of site

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                          | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|---------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 2.0) Brown, Dry, SILT; with fine sand and coarse sand  |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            |                                                               |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            | (2.0 - 6.5) Hard, Brown, Dry, SILT; with clay and coarse sand |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            |                                                               |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
|           |            |                                                               |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          |                                                               |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            | (6.5 - 7.0) Brown, Moist, Fine SAND; trace coarse sand        |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            | (7.0 - 12.0) Brown, Wet, Fine to Medium SAND                  |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           | Collected sample<br>at 6.5-7' |
|           |            |                                                               |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
|           |            |                                                               |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
| -10.0     | 10         |                                                               |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            |                                                               |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                                               |           |             |                                                                     |            |                                           |              |                               |

## GROUNDWATER OBSERVATIONS

∞ DURING DRILLING: 7'

▼ AT COMPLETION OF DRILLING: NR

▼ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill  
**CLIENT:** Racer Trust  
**BORING NO:** SB-15-12  
**BORING LOCATION:** On hill, by path to air strip  
**METHOD OF DRILLING:** Auger  
**GROUND ELEVATION:** NR  
**NOTES:**

**DATE DRILLED:** 07/20/12  
**JOB NUMBER:** 10496.00004  
**DRILLER/HELPER:** Ludwick/MacMurray  
**DRILL RIG:** AMS  
**LOGGED BY:** Lambert  
**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                                | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters   |
|-----------|------------|-------------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|----------------------------|
| 0.0       | 0          | (0.0 - 4.0) Black Mottled Red and Brown, Dry, Foundry SAND; some organics           |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                            |
| -5.0      | 5          | (4.0 - 7.8) Black Mottled Red and Brown, Moist, Foundry SAND; some organics         |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           | Collected sample at 5-6'   |
|           |            |                                                                                     |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                            |
|           |            | (7.8 - 8.0) Brown, Moist, Sandy SILT                                                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                            |
|           |            | (8.0 - 9.0) Black, Moist, Foundry SAND                                              |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                            |
| -10.0     | 10         | (9.0 - 10.5) Brownish Orange, Moist, SILT; some fine to medium sand; trace organics |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                            |
|           |            | (10.5 - 12.0) Brown, Moist, SILT                                                    |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                            |
|           |            | (12.0 - 13.0) Black, Moist, Foundry SAND                                            |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           | Collected sample at 11-12' |
|           |            | (13.0 - 14.0) Brown, Wet, SILT                                                      |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                            |
| -15.0     | 15         | (14.0 - 16.0) Gray, Moist, CLAY; trace silt                                         |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                            |
|           |            |                                                                                     |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                            |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 14'  
⚡ AT COMPLETION OF DRILLING: NR  
≡ AFTER NR HOURS: NR  
NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR  
AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index  
\*St = Hand Torvane Shear Strength  
\*Qp = Pocket Penetrometer  
\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-16-12

**BORING LOCATION:** Northerly low lying area, near SB-15

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/19/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                 | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|----------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 2.5) Brown, Moist, SILT; trace gravel, fine sand and organics |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            | (2.5 - 4.0) Brown, Moist, SILT                                       |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 5.0) Brown, Moist, Fine to Medium SAND; some silt             |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          | (5.0 - 6.0) Brown, Moist, SILT; some fine to medium sand             |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           | Collected sample<br>at 5-6' |
|           |            | (6.0 - 6.5) Brown, Moist, Fine to Coarse SAND; some gravel           |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            | (6.5 - 9.5) Gray, Wet, Fine to Medium SAND; some silt                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
| -10.0     | 10         | (9.5 - 12.0) Gray, Wet, CLAY; trace silt                             |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            | (12.0 - 16.0) Gray, Wet, SILT; some clay                             |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            |                                                                      |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                                      |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 7'

☛ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-17-12

**BORING LOCATION:** End of SB-16

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/19/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                            | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|-----------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 2.0) Black, Moist, TOPSOIL, SILT and SAND; some organics |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            | (2.0 - 2.5) Brown, Moist, Sandy SILT; trace organics            |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            | (2.5 - 3.8) Brown, Wet, SILT                                    |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-2.5' |
|           |            | (3.8 - 10.0) Gray, Wet, Fine to Medium SAND; trace silt         |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          |                                                                 |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
| -10.0     | 10         | (10.0 - 12.0) Gray, Wet, SILT; some clay                        |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            |                                                                 |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                                                 |           |             |                                                                     |            |                                           |              |                               |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 3.5'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-18-12

**BORING LOCATION:** Off trail near FA-8

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/20/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton **COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                     | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|----------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 3.0) Black, Dry, Foundry FILL; trace organics     |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            | (3.0 - 4.0) Brown, Dry, Sand and Silt FILL; trace gravel |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 6.5) Moist, Foundry FILL                          |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          |                                                          |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (6.5 - 8.0) Brown, Dry, SILT                             |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (8.0 - 11.0) Brown, Moist, SILT; some clay               |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           | Collected sample<br>at 8-9' |
|           |            |                                                          |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
| -10.0     | 10         |                                                          |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            | (11.0 - 14.0) Gray, Wet, SILT; some clay                 |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                          |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            | (14.0 - 16.0) Gray, Wet, SILT; trace clay                |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         |                                                          |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 11'

☛ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-19-12

**BORING LOCATION:** Off trail near FA-8

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/20/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                 | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|----------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 3.0) Black, Dry, Foundry FILL; trace coal pieces              |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            | (3.0 - 4.0) Brown, Moist, SAND and SILT; trace organics              |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           | Collected sample<br>at 3-4'   |
|           |            | (4.0 - 8.0) Brown, Moist, Sandy SILT; with silt lenses<br>throughout |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          |                                                                      |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                               |
|           |            | (8.0 - 9.0) Brown, Moist, SILT; trace clay                           |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
|           |            | (9.0 - 10.0) Gray Mottled Red, Moist, SILT; some gravel              |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
| -10.0     | 10         | (10.0 - 11.0) Brown, Moist, SILT                                     |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            | (11.0 - 12.0) Gray Mottled Red, Moist, SILT                          |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           | Collected sample<br>at 11-12' |
|           |            | (12.0 - 16.0) Gray, Wet, SILT                                        |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                               |
|           |            |                                                                      |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                                                      |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                               |

## GROUNDWATER OBSERVATIONS

⊗ DURING DRILLING: 13'

☛ AT COMPLETION OF DRILLING: NR

⊗ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-20-12

**BORING LOCATION:** Off trail near FA-8

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/20/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                       | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 1.0) Black, Moist, Foundry Sand FILL; some organics |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                               |
|           |            | (1.0 - 2.0) Brown, Sandy Silt FILL; some organics          |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           | Collected sample<br>at 1-2'   |
|           |            | (2.0 - 8.0)                                                |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            |                                                            |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
|           |            |                                                            |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          |                                                            |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            |                                                            |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                               |
|           |            |                                                            |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                               |
|           |            | (8.0 - 9.0) Brown, Moist, SILT                             |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
|           |            | (9.0 - 9.5) Brown/Black, Foundry SAND                      |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           | Collected sample<br>at 9-9.5' |
| -10.0     | 10         | (9.5 - 11.0) Brown, SILT; some clay                        |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            | (11.0 - 12.5) Brown, Dry, SILT; with foundry sand          |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
|           |            | (12.5 - 13.0) Gray, Wet, SILT                              |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         |                                                            |           |             |                                                                     |            |                                           |              |                               |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 13'

▼ AT COMPLETION OF DRILLING: NR

▼ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

# SOIL BORING LOG

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-21-12

**BORING LOCATION:** Near fence on east central part of site

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                              | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters      |
|-----------|------------|-----------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-------------------------------|
| 0.0       | 0          | (0.0 - 2.0) Brown, Dry, SILT; with fine sand and coarse sand                      |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           | Collected sample<br>at 0-2'   |
|           |            |                                                                                   |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                               |
|           |            | (2.0 - 6.0) Hard, Brown, Dry, SILT; with clay and fine sand,<br>trace coarse sand |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                               |
| -5.0      | 5          |                                                                                   |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                               |
|           |            | (6.0 - 7.5) Brown, Moist to Wet, Fine SAND                                        |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           | Collected sample<br>at 6-6.5' |
|           |            | (7.5 - 8.0) Hard, Brown, Dry, CLAY                                                |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                               |
|           |            | (8.0 - 13.5) Hard, Gray, Dry, CLAY                                                |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                               |
| -10.0     | 10         |                                                                                   |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                               |
|           |            |                                                                                   |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                               |
|           |            | (13.5 - 14.5) Gray, Moist, Fine SAND                                              |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                               |
| -15.0     | 15         | (14.5 - 15.5) Gray, Moist, Silty Fine SAND                                        |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                               |
|           |            | (15.5 - 16.0) Gray, Moist, Fine SAND                                              |           |             |                                                                     |            |                                           |              |                               |

## GROUNDWATER OBSERVATIONS

⚡ DURING DRILLING: 6.5'

⚡ AT COMPLETION OF DRILLING: NR

⚡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-22-12

**BORING LOCATION:**

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                    | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|---------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 3.0) Brown, Dry, SILT and SAND; with gravel      |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            | (3.0 - 6.5) Brown, Dry, SILT and CLAY; with coarse sand |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          |                                                         |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (6.5 - 7.5) Brown, Wet, Fine SAND                       |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                             |
|           |            | (7.5 - 14.0) Hard, Gray, Dry, CLAY                      |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
| -10.0     | 10         |                                                         |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         | (14.0 - 16.0) Brown, Moist, Fine SAND                   |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
|           |            |                                                         |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 7'

☛ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-23-12

**BORING LOCATION:**

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/17/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                          | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|---------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 7.0) Brown, Dry, SILT and SAND; with concrete pieces   |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            | Obstruction at 1'                                             |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                          |
| -5.0      | 5          |                                                               |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                          |
|           |            | (7.0 - 9.0) Hard, Dry, Brown, SILT and CLAY; with coarse sand |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            | (9.0 - 9.5) Brown, Moist, Fine SAND and SILT                  |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
| -10.0     | 10         | (9.5 - 10.0) Brown, Wet, Fine SAND and SILT                   |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
|           |            | (10.0 - 13.0) Gray, Moist, SILT                               |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
|           |            | (13.0 - 16.0) Gray, Moist, CLAY                               |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                               |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
|           |            |                                                               |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |

Collected sample  
at 1.5-2.5'

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 9.5'

▼ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-24-12

**BORING LOCATION:** Near MW-2

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/16/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                                 | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|--------------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 2.0) Dark Brown, Dry, Foundry FILL; with silt and organics, some gravel       |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                      |           |             | 2SS<br>1-2'                                                         |            |                                           | 1.9          |                          |
|           |            | (2.0 - 4.0) Dark Brown-Black, Dry, Foundry FILL; with silt and organics, some gravel |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                          |
|           |            | (4.0 - 4.5) Gray, Moist, CLAY; with silt, trace gravel                               |           |             | 4SS<br>3-4'                                                         |            |                                           | 12.9         | Collected sample at 3-4' |
|           |            | (4.5 - 12.0) Gray/Brown, Moist, SILT; trace clay and gravel                          |           |             | 5SS<br>4-5'                                                         |            |                                           | 1            |                          |
| -5.0      | 5          |                                                                                      |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                      |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                          |
|           |            | Evidence of foundry debris from 7.5-12'                                              |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                      |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                      |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
| -10.0     | 10         |                                                                                      |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                      |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            | (12.0 - 16.0) No recovery - was unable to collect a sample.                          |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                                                      |           |             |                                                                     |            |                                           |              |                          |

## GROUNDWATER OBSERVATIONS

∞ DURING DRILLING: NE

☒ AT COMPLETION OF DRILLING: NR

☒ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-25-12

**BORING LOCATION:** Near MW-2

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/16/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                            | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters   |
|-----------|------------|---------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|----------------------------|
| 0.0       | 0          | (0.0 - 2.5) Brown, Dry, SAND and SILT; trace gravel                             |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                            |
|           |            | (2.5 - 5.0) Dark Brown, Dry, Fine SAND and SILT; with concrete pieces           |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                            |
|           |            | Driller reported rocks/concrete from 3-5'                                       |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                            |
| -5.0      | 5          | (5.0 - 12.0) Black, Dry, SILT and SAND; trace foundry sand, concrete and debris |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                            |
|           |            | Driller reported concrete at 8.5'                                               |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                            |
| -10.0     | 10         | White pasty clay material with slight odor encountered from 11-11.5'            |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           | Collected sample at 11-12' |
|           |            | (12.0 - 15.0) Gray, CLAY; with silt                                             |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                            |
|           |            |                                                                                 |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                            |
| -15.0     | 15         | (15.0 - 16.0) Gray, Wet, Fine SAND                                              |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                            |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 15.5'

☛ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-26-12

**BORING LOCATION:** Near MW-2

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/16/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Graves

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                           | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|--------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 2.5) Brown, Dry, Sandy SILT; trace gravel                               |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           |                          |
|           |            | (2.5 - 5.0) Dark Brown, Dry, Fine SAND and SILT; trace broken glass and gravel |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                          |
| -5.0      | 5          | (5.0 - 10.0) Black, Moist, SILT and SAND; trace foundry sand                   |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 7SS<br>6-7'                                                         |            |                                           | 12           |                          |
|           |            |                                                                                |           |             | 8SS<br>7-8'                                                         |            |                                           | 19           | Collected sample at 7-8' |
|           |            |                                                                                |           |             | 9SS<br>8-9'                                                         |            |                                           | 1            |                          |
|           |            |                                                                                |           |             | 10SS<br>9-10'                                                       |            |                                           | 1            |                          |
| -10.0     | 10         | (10.0 - 13.0) Gray, Moist, SILT and CLAY; trace coarse sand                    |           |             | 11SS<br>10-11'                                                      |            |                                           | 1            |                          |
|           |            |                                                                                |           |             | 12SS<br>11-12'                                                      |            |                                           | 1            |                          |
|           |            |                                                                                |           |             | 13SS<br>12-13'                                                      |            |                                           | 1            |                          |
|           |            | (13.0 - 16.0) Gray, Wet, Fine SAND becoming more coarse with depth             |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                                                |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
|           |            |                                                                                |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 13.5'

☞ AT COMPLETION OF DRILLING: NR

≡ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-27-12

**BORING LOCATION:** West of SB-28, north of MW-13

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/20/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                                                         | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters    |
|-----------|------------|--------------------------------------------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|-----------------------------|
| 0.0       | 0          | (0.0 - 4.0) Brown, Dry becoming Moist, Sand and Silt FILL; some organics, cobbles, slag, and concrete pieces |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample<br>at 2-3' |
|           |            |                                                                                                              |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                             |
|           |            | (4.0 - 6.0) Moist, Sand and Silt FILL; some cobbles and slag                                                 |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                             |
| -5.0      | 5          |                                                                                                              |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                             |
|           |            | (6.0 - 8.0) Dark Brown Mottled Red, Moist, Clayey SILT; some slag, cobbles and wood debris                   |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           | Collected sample<br>at 6-7' |
|           |            |                                                                                                              |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                             |
|           |            | (8.0 - 11.0) Gray, Wet, Sandy SILT; trace gravel                                                             |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                             |
| -10.0     | 10         |                                                                                                              |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                             |
|           |            | (11.0 - 15.8) Gray, Wet, SILT; some sand                                                                     |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                             |
|           |            |                                                                                                              |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                             |
| -15.0     | 15         | (15.8 - 16.0) Gray, Moist, CLAY                                                                              |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                             |

## GROUNDWATER OBSERVATIONS

≡ DURING DRILLING: 8.5'

▼ AT COMPLETION OF DRILLING: NR

▼ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine



# SOIL BORING LOG

5859 Sherman Road  
Saginaw, MI 48604  
989-752-6500  
989-752-6600 fax

**PROJECT:** Davison Road Industrial Landfill

**CLIENT:** Racer Trust

**BORING NO:** SB-28-12

**BORING LOCATION:** Far east soil boring, north of MW-14

**METHOD OF DRILLING:** Auger

**GROUND ELEVATION:** NR

**NOTES:**

**DATE DRILLED:** 07/19/12

**JOB NUMBER:** 10496.00004

**DRILLER/HELPER:** Ludwick/MacMurray

**DRILL RIG:** AMS

**LOGGED BY:** Lambert

**CITY:** Burton

**COUNTY:** Genesee

| Elevation | Depth (ft) | Material Description                                                     | Soil Type | Water Level | Sample #/Type<br>Sample Depth<br>SPT Results<br>(N-Value)<br>% REC. | Moisture % | Unconfined<br>Comp.<br>Strength*<br>(tsf) | PID<br>(ppm) | Analytical<br>Parameters |
|-----------|------------|--------------------------------------------------------------------------|-----------|-------------|---------------------------------------------------------------------|------------|-------------------------------------------|--------------|--------------------------|
| 0.0       | 0          | (0.0 - 2.0) Brown, Dry, SAND and SILT; trace plastic debris and concrete |           |             | 1SS<br>0-1'                                                         |            |                                           | <1           |                          |
|           |            |                                                                          |           |             | 2SS<br>1-2'                                                         |            |                                           | <1           |                          |
|           |            | (2.0 - 4.0) Brown, Dry, SILT and SAND; trace gravel                      |           |             | 3SS<br>2-3'                                                         |            |                                           | <1           | Collected sample at 2-3' |
|           |            |                                                                          |           |             | 4SS<br>3-4'                                                         |            |                                           | <1           |                          |
|           |            | (4.0 - 6.0) Brown, Moist, SILT and SAND; trace organics and cobbles      |           |             | 5SS<br>4-5'                                                         |            |                                           | <1           |                          |
| -5.0      | 5          |                                                                          |           |             | 6SS<br>5-6'                                                         |            |                                           | <1           |                          |
|           |            | (6.0 - 8.0) Brown/Orange, Moist, Fine to Medium SAND                     |           |             | 7SS<br>6-7'                                                         |            |                                           | <1           | Collected sample at 6-7' |
|           |            |                                                                          |           |             | 8SS<br>7-8'                                                         |            |                                           | <1           |                          |
|           |            | (8.0 - 10.5) Brown, Wet, SILT                                            |           |             | 9SS<br>8-9'                                                         |            |                                           | <1           |                          |
|           |            |                                                                          |           |             | 10SS<br>9-10'                                                       |            |                                           | <1           |                          |
| -10.0     | 10         |                                                                          |           |             | 11SS<br>10-11'                                                      |            |                                           | <1           |                          |
|           |            | (10.5 - 15.0) Gray, Wet, Silty CLAY                                      |           |             | 12SS<br>11-12'                                                      |            |                                           | <1           |                          |
|           |            |                                                                          |           |             | 13SS<br>12-13'                                                      |            |                                           | <1           |                          |
|           |            |                                                                          |           |             | 14SS<br>13-14'                                                      |            |                                           | <1           |                          |
|           |            |                                                                          |           |             | 15SS<br>14-15'                                                      |            |                                           | <1           |                          |
| -15.0     | 15         |                                                                          |           |             | 16SS<br>15-16'                                                      |            |                                           | <1           |                          |
|           |            | (15.0 - 16.0) Gray, CLAY; trace silt                                     |           |             |                                                                     |            |                                           |              |                          |

## GROUNDWATER OBSERVATIONS

∞ DURING DRILLING: 9'

☞ AT COMPLETION OF DRILLING: NR

∞ AFTER NR HOURS: NR

NE - Not Encountered NR - Not Recorded

## HOLE COLLAPSE

AT COMPLETION: NR

AFTER NR HOURS: NR

## BACKFILL: Native Soils and/or Bentonite Chips

\*LL = Liquid Limit - PI = Plasticity Index

\*St = Hand Torvane Shear Strength

\*Qp = Pocket Penetrometer

\*Qu = Unconfined Compression Machine

|                                                                          |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|--------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                 |  | <b>Project Number:</b><br>1119.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-14-12      |                                          |  |
| <b>Address, City, State:</b><br>Davison Rd and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                          |  | <b>Date</b>                        | <b>Started:</b><br>7/17/2012              |                                       | <b>Bit Type: N/A</b>      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                            |  |                                    | <b>Completed:</b><br>7/17/2012            |                                       | <b>Hammer Type: N/A</b>   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 10:20                                 |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight: N/A</b> |                                        | <b>Hammer Drop: N/A</b>                  |  |
|                                                                          |  |                                    | <b>Groundwater Depth: N/A</b>             |                                       | <b>Elevation: N/A</b>     |                                        | <b>Total Depth of Boring:</b><br>12 feet |  |

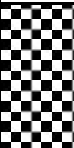
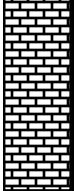
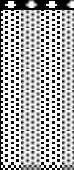
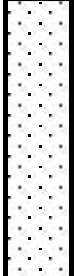
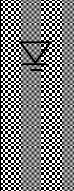
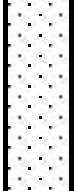
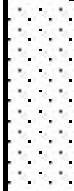
| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology<br><br><u>Soil Group Name:</u> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><u>Rock Description:</u> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | PID | Well Construction | Well Construction Details |
|--------------|-------------|------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|---------------------------|
| 0            |             |            |             | Brown, Silt with fine grained Sand and Gravel, dry.                                                                                                                                                                                                                      | 0.0 |                   | Protector/<br>Concrete    |
| 2            |             | 100        |             | Brown, Silt with Clay and Gravel, hard, dry.                                                                                                                                                                                                                             | 0.0 |                   | Bentonite                 |
| 4            |             |            |             | S.A.A., dry.                                                                                                                                                                                                                                                             | 0.0 |                   | Sand                      |
| 6            |             | 100        |             | Brown, fine grained Sand, trace Gravel, moist.                                                                                                                                                                                                                           | 0.0 |                   |                           |
| 8            |             |            |             | Brown, fine grained Sand, trace medium grained Sand, wet.                                                                                                                                                                                                                | 0.0 |                   |                           |
|              |             |            |             | Brown, fine to medium grained Sand, wet.                                                                                                                                                                                                                                 | 0.0 |                   |                           |
| 10           |             | 100        |             |                                                                                                                                                                                                                                                                          |     |                   |                           |
| 12           |             |            |             | S.A.A, wet.                                                                                                                                                                                                                                                              |     |                   |                           |
| EOB          |             |            |             |                                                                                                                                                                                                                                                                          |     |                   |                           |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A Same As Above                                                                                                 |

|                                                                          |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|--------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                 |  | <b>Project Number:</b><br>1119.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-1-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Rd and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                          |  | <b>Date</b>                        | <b>Started:</b><br>7/17/2012              |                                       | <b>Bit Type: N/A</b>      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                            |  |                                    | <b>Completed:</b><br>7/17/2012            |                                       | <b>Hammer Type: N/A</b>   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 9:00                                  |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight: N/A</b> |                                        | <b>Hammer Drop: N/A</b>                  |  |
|                                                                          |  |                                    | <b>Groundwater Depth: N/A</b>             |                                       | <b>Elevation: N/A</b>     |                                        | <b>Total Depth of Boring:</b><br>12 feet |  |

| Depth (feet) | Sample Type                                                                         | % Recovery | Graphic Log                                                                         | Lithology                                                                                                                                                                                                                                               | PID | Well Construction                                                                     | Well Construction Details |
|--------------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|---------------------------|
|              |                                                                                     |            |                                                                                     | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                                                                                       |                           |
| 2            |                                                                                     | 100        |    | Brown, Silt with Sand and Gravel, dry.                                                                                                                                                                                                                  | 0.0 |    | Protector/Concrete        |
| 4            |                                                                                     |            |   | Brown Silt with Clay and Gravel, dry.                                                                                                                                                                                                                   | 0.0 |   | Bentonite                 |
| 6            |                                                                                     | 100        |  | Brownish gray Silt, Clay and Sand with trace Gravel, moist.                                                                                                                                                                                             | 0.0 |  | Sand                      |
| 8            |  |            |  | Brown, Silt and fine grained Sand, moist.                                                                                                                                                                                                               | 0.0 |  |                           |
| 10           |                                                                                     | 100        |  |                                                                                                                                                                                                                                                         |     |  |                           |
| 12           |                                                                                     |            |  | Gray, Silt, wet.                                                                                                                                                                                                                                        | 0.0 |  |                           |
| EOB          |                                                                                     |            |                                                                                     |                                                                                                                                                                                                                                                         |     |                                                                                       |                           |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A Same As Above                                                                                                 |

|                                                                            |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-2-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/16/2012              |                                       | <b>Bit Type: N/A</b>      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/16/2012            |                                       | <b>Hammer Type: N/A</b>   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 12:53                                   |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight: N/A</b> |                                        | <b>Hammer Drop: N/A</b>                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth: N/A</b>             |                                       | <b>Elevation: N/A</b>     |                                        | <b>Total Depth of Boring:</b><br>16 feet |  |

| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|---------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                           |
| 2            |             | 90         |             | Brown, Silty Sand, dry.                                                                                                                                                                                                                                 | 0.0 |                   | Protector/<br>Concrete    |
|              |             |            |             |                                                                                                                                                                                                                                                         | 0.0 |                   | Bentonite                 |
| 4            |             |            |             | S.A.A., very moist.                                                                                                                                                                                                                                     | 0.1 |                   |                           |
| 6            |             | 85         |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
|              |             |            |             | Gray, Clay, moist.                                                                                                                                                                                                                                      | 0.0 |                   |                           |
| 8            |             |            |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
| 10           |             | 50         |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
| 12           |             |            |             | Gray, Silt, trace Clay, moist.                                                                                                                                                                                                                          | 0.0 |                   |                           |
| 14           |             | 70         |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
| 16           |             |            |             | EOB                                                                                                                                                                                                                                                     | 0.0 |                   |                           |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT)<br> Direct Push Sampler<br> Water Sample<br>HA Hand Auger |  Soil Gas Sample Screen Interval<br> Stabilized Ground water<br> Groundwater At time of Drilling<br>S.A.A. Same As Above |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                            |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-3-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/19/2012              |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/19/2012            |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 17:36                                   |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A             |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>16 feet |  |

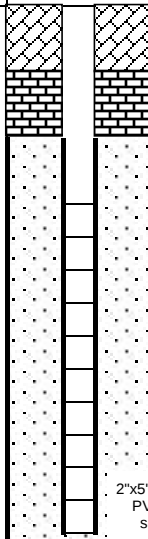
| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|---------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                           |
| 2            |             | 100        |             | Dark Brown, fine to medium grained Sand and Silt, trace Organics, trace Gravel, dry.                                                                                                                                                                    | 0.0 |                   | Protector/Concrete        |
|              |             |            |             | Brown, Sandy Silt, some Organics, few Gravel, dry.                                                                                                                                                                                                      | 0.0 |                   | Bentonite                 |
| 4            |             |            |             | Gray, Silty Sand, fine to coarse grained, moist.                                                                                                                                                                                                        |     |                   |                           |
| 6            |             | 80         |             | S.A.A, wet.                                                                                                                                                                                                                                             | 0.0 |                   |                           |
| 8            |             |            |             | Gray, Silt, some Clay, wet.                                                                                                                                                                                                                             |     |                   |                           |
| 10           |             | 100        |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
| 12           |             |            |             | Gray, Clayey Silt, wet.                                                                                                                                                                                                                                 |     |                   |                           |
| 14           |             | 95         |             |                                                                                                                                                                                                                                                         | 0.0 |                   |                           |
| 16           |             |            |             | EOB                                                                                                                                                                                                                                                     |     |                   |                           |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT)<br> Direct Push Sampler<br> Water Sample<br>HA Hand Auger |  Soil Gas Sample Screen Interval<br> Stabilized Ground water<br> Groundwater At time of Drilling<br>S.A.A. Same As Above |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                            |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-4-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/19/2012              |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/19/2012            |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 11:33                                   |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A             |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>16 feet |  |

| Depth (feet) | Sample Type                                    | % Recovery | Graphic Log                                                                         | Lithology                                                                                                                                                                                                                                               | PID            | Well Construction                                                                    | Well Construction Details               |
|--------------|------------------------------------------------|------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------|-----------------------------------------|
|              |                                                |            |                                                                                     | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |                |                                                                                      |                                         |
| 2            | Standard Penetration Split Spoon Sampler (SPT) | 90         |    | Topsoil: Black, fine to medium grained Sand and Silt, some Organics, moist.<br><br>Brown, fine to medium grained Sand and Silt, moist.                                                                                                                  | 0.0<br><br>0.0 |  | Protector/<br>Concrete<br><br>Bentonite |
| 4            |                                                |            |                                                                                     | Brown, fine to coarse grained Sand, few Cobbles, some Gravel, moist.                                                                                                                                                                                    | 0.0            |                                                                                      | Sand                                    |
| 6            |                                                | 90         |  | Gray Silty Clay, wet.                                                                                                                                                                                                                                   | 0.0            |                                                                                      |                                         |
| 8            |                                                |            |                                                                                     | Gray, Clay, wet.                                                                                                                                                                                                                                        | 0.0            |                                                                                      |                                         |
| 10           |                                                | 85         |  |                                                                                                                                                                                                                                                         |                |                                                                                      |                                         |
| 12           |                                                |            |                                                                                     | S.A.A, wet.                                                                                                                                                                                                                                             | 0.0            |                                                                                      |                                         |
| 14           |                                                | 80         |  | Gray, Silty Clay, wet.                                                                                                                                                                                                                                  | 0.0            |                                                                                      |                                         |
| 16           |                                                |            |                                                                                     | EOB                                                                                                                                                                                                                                                     |                |                                                                                      |                                         |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                            |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-5-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/20/2012              |                                       | <b>Bit Type: N/A</b>      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/20/2012            |                                       | <b>Hammer Type: N/A</b>   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 15:46                                   |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight: N/A</b> |                                        | <b>Hammer Drop: N/A</b>                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth: N/A</b>             |                                       | <b>Elevation: N/A</b>     |                                        | <b>Total Depth of Boring:</b><br>16 feet |  |

| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details            |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|--------------------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                                      |
| 0.0          |             |            |             | Concrete dust, some broken concrete, dry.                                                                                                                                                                                                               | 0.0 |                   | Protector/<br>Concrete               |
| 2.0          |             | 100        |             | Foundry Sands, black fine to medium grained, trace Organics, trace metal pieces, moist.                                                                                                                                                                 | 0.0 |                   |                                      |
| 4.0          |             |            |             | Black with reddish brown foundry Sand, fine to medium grained, moist.                                                                                                                                                                                   | 0.0 |                   | Bentonite                            |
| 6.0          |             | 100        |             |                                                                                                                                                                                                                                                         |     |                   |                                      |
| 8.0          |             |            |             | S.A.A, moist.                                                                                                                                                                                                                                           | 0.0 |                   |                                      |
| 10.0         |             | 100        |             |                                                                                                                                                                                                                                                         | 0.0 |                   | Sand                                 |
| 12.0         |             |            |             | Dark Gray, Clayey Silt, trace fine grained Sand, wet.                                                                                                                                                                                                   | 0.0 |                   |                                      |
| 13.0         |             |            |             | Black, Sandy Silt, some Gravel and rocks, wet.                                                                                                                                                                                                          | 0.0 |                   |                                      |
| 14.0         |             | 60         |             | Gray, Silt, trace Clay, wet.                                                                                                                                                                                                                            | 0.0 |                   | 2"x5"x#10 slot<br>PVC well<br>screen |
| 16.0         |             |            |             | EOB                                                                                                                                                                                                                                                     |     |                   |                                      |

|                                                                                                                                    |                                                                                                                     |
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|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stablized Ground water          |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                            |  |                                    |                                                              |                                       |                           |                                        |                                            |  |
|----------------------------------------------------------------------------|--|------------------------------------|--------------------------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|--------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                                              | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-6-12       |                                            |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                                              | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                            |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/17/2012                                 |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                   |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/17/2012                               |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                   |  |
| <b>Comments:</b><br>sampled soil @ 17:00                                   |  |                                    | <b>Backfilled:</b> Sand & natural cuttings & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                    |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A                                |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>15.5 feet |  |

| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details            |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|--------------------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                                      |
| 2            |             | 100        |             | Brown, Silt with Clay and Gravel, dry, hard.                                                                                                                                                                                                            | 0.0 |                   | Protector/<br>Concrete               |
| 4            |             |            |             | Brown, Silt, trace Gravel, damp.                                                                                                                                                                                                                        | 0.0 |                   |                                      |
| 6            |             | 100        |             | S.A.A.                                                                                                                                                                                                                                                  | 0.0 |                   | Natural<br>Cuttings                  |
| 10           |             | 100        |             | Gray, Clay, moist.                                                                                                                                                                                                                                      | 0.0 |                   | Bentonite                            |
| 14           |             | 75         |             | Gray, fine to medium grained Sand, wet.                                                                                                                                                                                                                 | 0.0 |                   | Sand                                 |
| 16           |             |            |             | EOB, obstruction at 15.5'                                                                                                                                                                                                                               |     |                   | 2"x5"x#10 slot<br>PVC well<br>screen |
| 17           |             |            |             |                                                                                                                                                                                                                                                         |     |                   |                                      |

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|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                            |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-7-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/19/2012              |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/19/2012            |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 10:34                                   |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A             |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>16 feet |  |

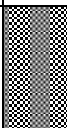
| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID        | Well Construction | Well Construction Details |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------|---------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |            |                   |                           |
| 2            |             | 95         |             | Black, fine grained Sand, some Organics, moist.<br>Brown, fine grained Sand, some Silt, moist.                                                                                                                                                          | 0.0<br>0.0 |                   | Protector/<br>Concrete    |
| 4            |             |            |             | Brown, fine to medium grained Sand, some Silt, moist.<br>Brown, Silt, trace Gravel, moist.                                                                                                                                                              | 0.0        |                   | Bentonite                 |
| 6            |             | 100        |             | Brown, fine to medium grained Sand, very moist.                                                                                                                                                                                                         | 0.0        |                   |                           |
| 8            |             |            |             | Gray, Clay, moist.                                                                                                                                                                                                                                      | 0.0        |                   |                           |
| 10           |             | 100        |             | Brown, fine to medium grained Sand, wet.                                                                                                                                                                                                                | 0.0        |                   |                           |
| 12           |             |            |             | Gray, Clay, moist.                                                                                                                                                                                                                                      | 0.0        |                   |                           |
| 14           |             | 95         |             | Gray, Silt, wet.                                                                                                                                                                                                                                        | 0.0        |                   |                           |
| 16           |             |            |             | EOB                                                                                                                                                                                                                                                     |            |                   |                           |

|                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT)<br> Direct Push Sampler<br> Water Sample<br>HA Hand Auger |  Soil Gas Sample Screen Interval<br> Stabilized Ground water<br> Groundwater At time of Drilling<br>S.A.A. Same As Above |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                            |  |                                    |                                                             |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                                             | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-8-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                                             | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/18/2012                                |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/18/2012                              |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 12:43                                   |  |                                    | <b>Backfilled:</b> Sand, natural cuttings & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A                               |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>15 feet |  |

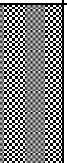
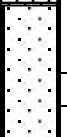
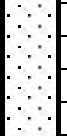
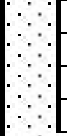
| Depth (feet) | Sample Type                                                                         | % Recovery | Graphic Log                                                                         | Lithology                                                                                                                                                                                                                                               | PID | Well Construction                                                                                                                  | Well Construction Details |
|--------------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
|              |                                                                                     |            |                                                                                     | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                                                                                                                                    |                           |
| 2            |                                                                                     | 95         |    | Brownish orange, mottled, Sandy Silt, trace Gravel, moist.                                                                                                                                                                                              | 0.0 |                                                 | Protector/Concrete        |
| 4            |                                                                                     |            |                                                                                     | Brown, Sandy Silt, trace Gravel, dry.                                                                                                                                                                                                                   | 0.0 |                                                 | Bentonite                 |
| 6            |  | 100        |  | Gray and pink, mottled, Silt, some Clay, moist.                                                                                                                                                                                                         | 0.0 |  | Sand                      |
| 8            |                                                                                     |            |  | Gray, Silt, some Clay, wet.                                                                                                                                                                                                                             | 0.0 |                                                                                                                                    |                           |
| 10           |                                                                                     | 90         |                                                                                     |                                                                                                                                                                                                                                                         | 0.0 |                                                                                                                                    |                           |
| 12           |                                                                                     |            |                                                                                     | S.A.A, wet.                                                                                                                                                                                                                                             | 0.0 |                                                                                                                                    |                           |
| 14           |                                                                                     | 95         |                                                                                     |                                                                                                                                                                                                                                                         |     |                                                                                                                                    |                           |
| 16           |                                                                                     |            |                                                                                     | EOB                                                                                                                                                                                                                                                     |     |                                                                                                                                    |                           |

|                                                                                                                                    |                                                                                                                     |
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|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stablized Ground water          |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                            |  |                                    |                                                             |                                       |                           |                                        |                                          |  |
|----------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001 |                                                             | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-9-12       |                                          |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                    |                                                             | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Date</b>                        | <b>Started:</b><br>7/18/2012                                |                                       | <b>Bit Type:</b> N/A      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  |                                    | <b>Completed:</b><br>7/18/2012                              |                                       | <b>Hammer Type:</b> N/A   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 11:42                                   |  |                                    | <b>Backfilled:</b> Sand, natural cuttings & bentonite chips |                                       | <b>Hammer Weight:</b> N/A |                                        | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  |                                    | <b>Groundwater Depth:</b> N/A                               |                                       | <b>Elevation:</b> N/A     |                                        | <b>Total Depth of Boring:</b><br>15 feet |  |

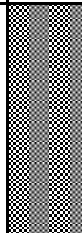
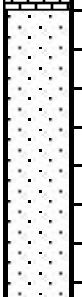
  

| Depth (feet) | Sample Type | % Recovery | Graphic Log                                                                         | Lithology                                                                                                                                                                                                                                               | PID | Well Construction                                                                     | Well Construction Details |
|--------------|-------------|------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|---------------------------|
|              |             |            |                                                                                     | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                                                                                       |                           |
| 2            |             | 90         |    | Brownish orange, mottled, Sandy Silt, trace Organics, dry.                                                                                                                                                                                              | 0.0 |    | Protector/<br>Concrete    |
|              |             |            |    | Brown, fine grained Sand, some Silt, moist.                                                                                                                                                                                                             | 0.0 |    | Natural<br>Cuttings       |
| 4            |             |            |   | Brown, Silt, some Clay, moist.<br>S.A.A, trace Clay, moist.                                                                                                                                                                                             | 0.0 |   | Bentonite                 |
| 6            |             | 100        |  | Gray, Silt and Clay, moist.                                                                                                                                                                                                                             | 0.0 |  |                           |
| 8            |             |            |  | Gray, Silt, some Clay, wet.                                                                                                                                                                                                                             | 0.0 |  | Sand                      |
| 10           |             | 100        |  | Wet.                                                                                                                                                                                                                                                    | 0.0 |  |                           |
| 12           |             |            |  | Gray, Silt, wet.                                                                                                                                                                                                                                        | 0.0 |  |                           |
| 14           |             | 100        |  | Gray, fine to medium grained Sand, wet.                                                                                                                                                                                                                 | 0.0 |  |                           |
| 16           |             |            |                                                                                     | EOB                                                                                                                                                                                                                                                     |     |                                                                                       |                           |

|                                                                                                                                    |                                                                                                                     |
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|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stablized Ground water          |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                          |                                    |                                       |                                          |
|--------------------------------------------------------------------------|------------------------------------|---------------------------------------|------------------------------------------|
| <b>Project:</b><br>Davison Road Landfill                                 | <b>Project Number:</b><br>1119.001 | <b>Client:</b><br>Racer Trust         | <b>Boring No.:</b><br>SB/MW-10-12        |
| <b>Address, City, State:</b><br>Davison Rd and Donegal, Burton, Michigan |                                    | <b>Drilling Contractor:</b><br>Wilcox | <b>Drill Rig Type:</b><br>Geoprobe AMS   |
| <b>Logged By:</b><br>L. Lambert                                          | <b>Date</b>                        | <b>Started:</b><br>7/18/2012          | <b>Bit Type: N/A</b>                     |
| <b>Drill Crew:</b><br>Ray/Jim                                            |                                    | <b>Completed:</b><br>7/18/2012        | <b>Hole Diameter:</b> 4"                 |
| <b>Comments:</b><br>sampled soil @ 10:48                                 |                                    | <b>Hammer Type: N/A</b>               | <b>Well Diameter:</b> 2"                 |
|                                                                          |                                    | <b>Hammer Weight: N/A</b>             | <b>Hammer Drop: N/A</b>                  |
| <b>Groundwater Depth: N/A</b>                                            |                                    | <b>Elevation: N/A</b>                 | <b>Total Depth of Boring:</b><br>12 feet |

| Depth (feet) | Sample Type                                                                        | % Recovery | Graphic Log                                                                         | Lithology<br><br><u>Soil Group Name:</u> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><u>Rock Description:</u> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. | PID | Well Construction                                                                                                                            | Well Construction Details            |
|--------------|------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| 2            |  | 90         |   | Brown, Sand and Silt, some Organics, dry.                                                                                                                                                                                                                                | 0.0 |                                                           | Protector/<br>Concrete               |
|              |                                                                                    |            |                                                                                     | Brownish orange, mottled, Sandy Silt, moist.                                                                                                                                                                                                                             | 0.0 |                                                                                                                                              | Bentonite                            |
| 4            |                                                                                    |            |  | Wet.                                                                                                                                                                                                                                                                     |     |                                                          | Sand                                 |
|              |                                                                                    |            |                                                                                     | Brown, Sandy Silt, moist.                                                                                                                                                                                                                                                | 0.0 |                                                                                                                                              |                                      |
| 6            |                                                                                    | 95         |  | Wet.                                                                                                                                                                                                                                                                     |     |  | 2"x5"x#10 slot<br>PVC well<br>screen |
|              |                                                                                    |            |                                                                                     | Gray, Sandy Silt, wet.                                                                                                                                                                                                                                                   | 0.0 |                                                                                                                                              |                                      |
| 8            |                                                                                    |            |  | Gray, Silt, some Clay, wet.                                                                                                                                                                                                                                              | 0.0 |                                                         |                                      |
|              |                                                                                    |            |                                                                                     | Gray, Silt, saturated.                                                                                                                                                                                                                                                   | 0.0 |                                                                                                                                              |                                      |
| 10           |                                                                                    | 100        |  |                                                                                                                                                                                                                                                                          |     |                                                                                                                                              |                                      |
|              |                                                                                    |            |                                                                                     |                                                                                                                                                                                                                                                                          |     |                                                                                                                                              |                                      |
| 12           |                                                                                    |            |                                                                                     |                                                                                                                                                                                                                                                                          |     |                                                                                                                                              |                                      |

EOB

 Standard Penetration Split Spoon Sampler (SPT) Direct Push Sampler Water Sample

HA Hand Auger

 Soil Gas Sample Screen Interval Stabilized Ground water Groundwater At time of Drilling

S.A.A Same As Above

|                                                                            |  |                                                             |  |                                       |  |                                          |  |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------|--|---------------------------------------|--|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001                          |  | <b>Client:</b><br>Racer Trust         |  | <b>Boring No.:</b><br>SB/MW-11-12        |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                                             |  | <b>Drilling Contractor:</b><br>Wilcox |  | <b>Drill Rig Type:</b><br>Geoprobe AMS   |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Started:</b><br>7/19/2012                                |  | <b>Bit Type:</b> N/A                  |  | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  | <b>Completed:</b><br>7/19/2012                              |  | <b>Hammer Type:</b> N/A               |  | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 16:50                                   |  | <b>Backfilled:</b> Sand, natural cuttings & bentonite chips |  | <b>Hammer Weight:</b> N/A             |  | <b>Hammer Drop:</b> N/A                  |  |
|                                                                            |  | <b>Groundwater Depth:</b> N/A                               |  | <b>Elevation:</b> N/A                 |  | <b>Total Depth of Boring:</b><br>16 feet |  |

| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details            |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|--------------------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                                      |
| 2            |             | 90         |             | Brown, Silt and Sand, foundry fill, trace Organics, dry.                                                                                                                                                                                                | 0.0 |                   | Protector/<br>Sand                   |
|              |             |            |             | Brown and red, mottled, Silt and fine grained Sand, trace Organics, dry.                                                                                                                                                                                | 0.0 |                   | Bentonite                            |
| 4            |             |            |             | Brown and gray, mottled, Silt, dry.                                                                                                                                                                                                                     | 0.0 |                   |                                      |
|              |             |            |             | Brown and orange, mottled, Silt and fine grained Sand, moist.                                                                                                                                                                                           | 0.0 |                   |                                      |
| 6            |             | 100        |             | Gray, Sandy Silt, trace Organics, moist.                                                                                                                                                                                                                | 0.0 |                   | Sand                                 |
| 8            |             |            |             | Brown, Silty Sand, wet.                                                                                                                                                                                                                                 | 0.0 |                   |                                      |
|              |             |            |             | Gray, Clay, trace Silt, wet.                                                                                                                                                                                                                            | 0.0 |                   |                                      |
| 10           |             | 85         |             | S. A. A. with coarse grained Sand, wet.                                                                                                                                                                                                                 | 0.0 |                   | 2"x5"x#10 slot<br>PVC well<br>screen |
|              |             |            |             | Gray, Silt, some Clay, wet.                                                                                                                                                                                                                             | 0.0 |                   |                                      |
| 14           |             | 80         |             |                                                                                                                                                                                                                                                         |     |                   |                                      |
| 16           |             |            |             | EOB                                                                                                                                                                                                                                                     |     |                   |                                      |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                            |  |                                                             |  |                                       |  |                                          |  |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------|--|---------------------------------------|--|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                   |  | <b>Project Number:</b><br>1125.001                          |  | <b>Client:</b><br>Racer Trust         |  | <b>Boring No.:</b><br>SB/MW-12-12        |  |
| <b>Address, City, State:</b><br>Davison Road and Donegal, Burton, Michigan |  |                                                             |  | <b>Drilling Contractor:</b><br>Wilcox |  | <b>Drill Rig Type:</b><br>Geoprobe AMS   |  |
| <b>Logged By:</b><br>L. Lambert                                            |  | <b>Started:</b><br>7/17/2012                                |  | <b>Bit Type:</b> N/A                  |  | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                              |  | <b>Completed:</b><br>7/17/2012                              |  | <b>Hammer Type:</b> N/A               |  | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 13:00                                   |  | <b>Backfilled:</b> Sand, natural cuttings & bentonite chips |  | <b>Hammer Weight:</b> N/A             |  | <b>Hammer Drop:</b> N/A                  |  |
| <b>Groundwater Depth:</b> N/A                                              |  |                                                             |  | <b>Elevation:</b> N/A                 |  | <b>Total Depth of Boring:</b><br>16 feet |  |

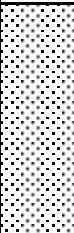
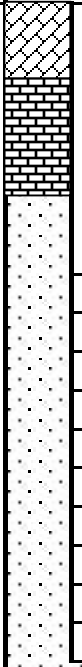
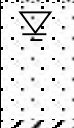
| Depth (feet) | Sample Type | % Recovery | Graphic Log | Lithology                                                                                                                                                                                                                                               | PID | Well Construction | Well Construction Details      |
|--------------|-------------|------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------|--------------------------------|
|              |             |            |             | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                   |                                |
| 2            |             | 75         |             | Brown, Silt and Sand with concrete and Gravel, dry.                                                                                                                                                                                                     | 0.0 |                   | Protector/                     |
| 4            |             |            |             |                                                                                                                                                                                                                                                         |     |                   |                                |
| 6            |             | 50         |             |                                                                                                                                                                                                                                                         |     |                   | Bentonite                      |
| 8            |             |            |             | Brown, Silt and Clay, with Gravel, moist.                                                                                                                                                                                                               | 0.0 |                   |                                |
| 10           |             | 50         |             | Black, Clay with Silt and debris including rubber and Organics, moist.                                                                                                                                                                                  | 0.0 |                   |                                |
| 12           |             |            |             | Gray, Silt and fine grained Sand, moist.                                                                                                                                                                                                                | 0.0 |                   |                                |
|              |             |            |             | Gray, medium to coarse grained Sand, moist.                                                                                                                                                                                                             | 0.0 |                   | Sand                           |
| 14           |             | 50         |             | S.A.A., wet.                                                                                                                                                                                                                                            | 0.0 |                   |                                |
| 16           |             |            |             | Gray, Clay, moist.                                                                                                                                                                                                                                      | 0.0 |                   | 2"x5"x#10 slot PVC well screen |
|              |             |            |             | EOB                                                                                                                                                                                                                                                     |     |                   |                                |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stablilized Ground water        |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A. Same As Above                                                                                                |

|                                                                          |  |                                    |                                           |                                       |                           |                                        |                                          |  |
|--------------------------------------------------------------------------|--|------------------------------------|-------------------------------------------|---------------------------------------|---------------------------|----------------------------------------|------------------------------------------|--|
| <b>Project:</b><br>Davison Road Landfill                                 |  | <b>Project Number:</b><br>1119.001 |                                           | <b>Client:</b><br>Racer Trust         |                           | <b>Boring No.:</b><br>SB/MW-13-12      |                                          |  |
| <b>Address, City, State:</b><br>Davison Rd and Donegal, Burton, Michigan |  |                                    |                                           | <b>Drilling Contractor:</b><br>Wilcox |                           | <b>Drill Rig Type:</b><br>Geoprobe AMS |                                          |  |
| <b>Logged By:</b><br>L. Lambert                                          |  | <b>Date</b>                        | <b>Started:</b><br>7/17/2012              |                                       | <b>Bit Type: N/A</b>      |                                        | <b>Hole Diameter:</b> 4"                 |  |
| <b>Drill Crew:</b><br>Ray/Jim                                            |  |                                    | <b>Completed:</b><br>7/17/2012            |                                       | <b>Hammer Type: N/A</b>   |                                        | <b>Well Diameter:</b> 2"                 |  |
| <b>Comments:</b><br>sampled soil @ 11:30                                 |  |                                    | <b>Backfilled:</b> Sand & bentonite chips |                                       | <b>Hammer Weight: N/A</b> |                                        | <b>Hammer Drop: N/A</b>                  |  |
|                                                                          |  |                                    | <b>Groundwater Depth: N/A</b>             |                                       | <b>Elevation: N/A</b>     |                                        | <b>Total Depth of Boring:</b><br>12 feet |  |

| Depth (feet) | Sample Type                                                                       | % Recovery | Graphic Log                                                                         | Lithology                                                                                                                                                                                                                                               | PID | Well Construction                                                                    | Well Construction Details |  |           |
|--------------|-----------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------|---------------------------|--|-----------|
|              |                                                                                   |            |                                                                                     | <b>Soil Group Name:</b> modifier, color, moisture, density/consistency, grain size, other descriptors<br><br><b>Rock Description:</b> modifier, color, hardness/degree of concentration, bedding and joint characteristics, solutions, void conditions. |     |                                                                                      |                           |  |           |
| 2            |  | 100        |   | Brown, Silt and Sand, concrete, slag, dry.                                                                                                                                                                                                              | 0.2 |  | Protector/Concrete        |  |           |
|              |                                                                                   |            |                                                                                     |                                                                                                                                                                                                                                                         |     |                                                                                      |                           |  | Bentonite |
| 4            |                                                                                   |            |                                                                                     |                                                                                                                                                                                                                                                         | 0.0 |                                                                                      |                           |  |           |
| 6            |                                                                                   |            |                                                                                     | 50                                                                                                                                                                                                                                                      |     |                                                                                      | 0.0                       |  |           |
|              |                                                                                   |            |                                                                                     |                                                                                                                                                                                                                                                         |     |                                                                                      | 0.0                       |  |           |
| 8            |                                                                                   |            |  | Brown, fine grained Sand, moist. Wet.                                                                                                                                                                                                                   | 0.0 |                                                                                      |                           |  |           |
|              |                                                                                   |            |                                                                                     | 0.0                                                                                                                                                                                                                                                     |     |                                                                                      |                           |  |           |
| 10           | 50                                                                                |            |                                                                                     | 0.0                                                                                                                                                                                                                                                     |     |                                                                                      |                           |  |           |
| 12           |                                                                                   |            |  | Brown, Silt, wet.                                                                                                                                                                                                                                       | 0.0 |                                                                                      |                           |  |           |
|              |                                                                                   |            |                                                                                     | Gray, Silt and Clay, plastic, moist.                                                                                                                                                                                                                    | 0.0 |                                                                                      |                           |  |           |
| EOB          |                                                                                   |            |                                                                                     |                                                                                                                                                                                                                                                         |     |                                                                                      |                           |  |           |

|                                                                                                                                    |                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  Standard Penetration Split Spoon Sampler (SPT) |  Soil Gas Sample Screen Interval |
|  Direct Push Sampler                            |  Stabilized Ground water         |
|  Water Sample                                   |  Groundwater At time of Drilling |
| HA Hand Auger                                                                                                                      | S.A.A Same As Above                                                                                                 |

## **APPENDIX B**

### **STATIC GROUNDWATER ELEVATION DATA**

**STATIC WATER LEVEL TABLE**  
**August 7, 2012**  
**DAVISON ROAD LANDFILL**  
**DAVISON AND DONEGAL ROAD BURTON, MI**

| Date     | Well     | Ground Elevation at Well (ft.) | Well Depth to Bottom (ft.) | Well Top of Casing Elevation (ft.) | Depth to Water (ft.) | Static Water Level Elevation (ft.) |
|----------|----------|--------------------------------|----------------------------|------------------------------------|----------------------|------------------------------------|
| 8/7/2012 | MW-1-12  | 759.28                         | 12.84                      | 762.66                             | 12.36                | 750.30                             |
| 8/7/2012 | MW-2-12  | 756.29                         | 11.67                      | 759.75                             | 10.29                | 749.46                             |
| 8/7/2012 | MW-3-12  | 750.37                         | 10.18                      | 753.62                             | 8.07                 | 745.55                             |
| 8/7/2012 | MW-4-12  | 750.87                         | 11.28                      | 753.89                             | 9.02                 | 744.87                             |
| 8/7/2012 | MW-5-12  | 760.91                         | 16.43                      | 764.37                             | 13.20                | 751.17                             |
| 8/7/2012 | MW-6-12  | 757.97                         | 20.20                      | 761.11                             | 18.64                | 742.47                             |
| 8/7/2012 | MW-7-12  | 752.35                         | 13.90                      | 755.48                             | 10.58                | 744.90                             |
| 8/7/2012 | MW-8-12  | 754.99                         | 13.95                      | 758.47                             | DRY                  | DRY                                |
| 8/7/2012 | MW-9-12  | 752.23                         | 15.30                      | 755.52                             | 10.57                | 744.95                             |
| 8/7/2012 | MW-10-12 | 751.93                         | 10.38                      | 755.33                             | 8.97                 | 746.36                             |
| 8/7/2012 | MW-11-12 | 754.66                         | 13.91                      | 758.02                             | DRY                  | DRY                                |
| 8/7/2012 | MW-12-12 | 761.07                         | 19.33                      | 764.44                             | 14.58                | 749.86                             |
| 8/7/2012 | MW-13-12 | 761.89                         | 13.77                      | 765.27                             | 12.10                | 753.17                             |
| 8/7/2012 | MW-14-12 | 761.84                         | 13.13                      | 765.11                             | 11.60                | 753.51                             |
| 8/7/2012 | MW-1     | 760.37                         | 15.54                      | 762.58                             | 11.05                | 751.53                             |
| 8/7/2012 | MW-2     | 763.82                         | 17.87                      | 766.11                             | 14.96                | 751.15                             |
| 8/7/2012 | MW-04    | 761.14                         | 15.28                      | 763.55                             | 14.65                | 748.90                             |
| 8/7/2012 | TW-1     | 753.09                         | 15.20                      | 756.01                             | 10.11                | 745.90                             |
| 8/7/2012 | TW-6     | 754.17                         | 12.92                      | 756.43                             | 10.52                | 745.91                             |

Could not locate TW-8.

**STATIC WATER LEVEL TABLE**  
**11/6/2012**  
**DAVISON ROAD LANDFILL**  
**DAVISON AND DONEGAL ROAD BURTON, MI.**

| Date      | Well     | Ground Elevation at Well (ft.) | Well Depth to Bottom (ft.) | Well Top of Casing Elevation (ft.) | Depth to Water (ft.) | Static Water Level Elevation (ft.) |
|-----------|----------|--------------------------------|----------------------------|------------------------------------|----------------------|------------------------------------|
| 11/6/2012 | MW-1-12  | 759.28                         | 12.84                      | 762.66                             | 10.64                | 752.02                             |
| 11/6/2012 | MW-2-12  | 756.29                         | 11.67                      | 759.75                             | 5.82                 | 753.93                             |
| 11/6/2012 | MW-3-12  | 750.37                         | 10.18                      | 753.62                             | 7.00                 | 746.62                             |
| 11/6/2012 | MW-4-12  | 750.87                         | 11.28                      | 753.89                             | 8.70                 | 745.19                             |
| 11/6/2012 | MW-5-12  | 760.91                         | 16.43                      | 764.37                             | 14.27                | 750.10                             |
| 11/6/2012 | MW-6-12  | 757.97                         | 20.20                      | 761.11                             | 19.00                | 742.11                             |
| 11/6/2012 | MW-7-12  | 752.35                         | 13.90                      | 755.48                             | 11.93                | 743.55                             |
| 11/6/2012 | MW-8-12  | 754.99                         | 13.95                      | 758.47                             | DRY                  | DRY                                |
| 11/6/2012 | MW-9-12  | 752.23                         | 15.30                      | 755.52                             | 11.91                | 743.61                             |
| 11/6/2012 | MW-10-12 | 751.93                         | 10.38                      | 755.33                             | 10.07                | 745.26                             |
| 11/6/2012 | MW-11-12 | 754.66                         | 13.91                      | 758.02                             | DRY                  | DRY                                |
| 11/6/2012 | MW-12-12 | 761.07                         | 19.33                      | 764.44                             | 12.81                | 751.63                             |
| 11/6/2012 | MW-13-12 | 761.89                         | 13.77                      | 765.27                             | 11.11                | 754.16                             |
| 11/6/2012 | MW-14-12 | 761.84                         | 13.13                      | 765.11                             | 11.04                | 754.07                             |
| 11/6/2012 | MW-1     | 760.37                         | 15.54                      | 762.58                             | 12.40                | 750.18                             |
| 11/6/2012 | MW-2     | 763.82                         | 17.87                      | 766.11                             | 15.04                | 751.07                             |
| 11/6/2012 | MW-04    | 761.14                         | 15.28                      | 763.55                             | 15.11                | 748.44                             |
| 11/6/2012 | TW-1     | 753.09                         | 15.20                      | 756.01                             | 9.29                 | 746.72                             |
| 11/6/2012 | TW-6     | 754.17                         | 12.92                      | 756.43                             | 9.88                 | 746.55                             |

Could not locate TW-8.

**STATIC WATER LEVEL TABLE**  
**April 16, 2013**  
**DAVISON ROAD LANDFILL**  
**DAVISON AND DONEGAL ROAD BURTON, MI.**

| Date      | Well     | Ground<br>Elevation at<br>Well (ft.) | Well Depth<br>to Bottom<br>(ft.) | Well Top<br>of Casing<br>Elevation<br>(ft.) | Depth to<br>Water (ft.) | Static<br>Water<br>Level<br>Elevation<br>(ft.) |
|-----------|----------|--------------------------------------|----------------------------------|---------------------------------------------|-------------------------|------------------------------------------------|
| 4/16/2013 | MW-1-12  | 759.28                               | 12.84                            | 762.66                                      | 4.20                    | 758.46                                         |
| 4/16/2013 | MW-2-12  | 756.29                               | 11.67                            | 759.75                                      | 4.86                    | 754.89                                         |
| 4/16/2013 | MW-3-12  | 750.37                               | 10.18                            | 753.62                                      | 5.16                    | 748.46                                         |
| 4/16/2013 | MW-4-12  | 750.87                               | 11.28                            | 753.89                                      | 3.68                    | 750.21                                         |
| 4/16/2013 | MW-5-12  | 760.91                               | 16.43                            | 764.37                                      | 8.11                    | 756.26                                         |
| 4/16/2013 | MW-6-12  | 757.97                               | 20.20                            | 761.11                                      | 13.95                   | 747.16                                         |
| 4/16/2013 | MW-7-12  | 752.35                               | 13.90                            | 755.48                                      | 3.94                    | 751.54                                         |
| 4/16/2013 | MW-8-12  | 754.99                               | 13.95                            | 758.47                                      | 5.81                    | 752.66                                         |
| 4/16/2013 | MW-9-12  | 752.23                               | 15.30                            | 755.52                                      | 3.91                    | 751.61                                         |
| 4/16/2013 | MW-10-12 | 751.93                               | 10.38                            | 755.33                                      | 3.04                    | 752.29                                         |
| 4/16/2013 | MW-11-12 | 754.66                               | 13.91                            | 758.02                                      | 5.55                    | 752.47                                         |
| 4/16/2013 | MW-12-12 | 761.07                               | 19.33                            | 764.44                                      | 10.71                   | 753.73                                         |
| 4/16/2013 | MW-13-12 | 761.89                               | 13.77                            | 765.27                                      | 6.61                    | 758.66                                         |
| 4/16/2013 | MW-14-12 | 761.84                               | 13.13                            | 765.11                                      | 6.80                    | 758.31                                         |
| 4/16/2013 | MW-1     | 760.37                               | 15.54                            | 762.58                                      | 5.81                    | 756.77                                         |
| 4/16/2013 | MW-2     | 763.82                               | 17.87                            | 766.11                                      | 11.81                   | 754.30                                         |
| 4/16/2013 | MW-04    | 761.14                               | 15.28                            | 763.55                                      | 12.00                   | 751.55                                         |
| 4/16/2013 | TW-1     | 753.09                               | 15.20                            | 756.01                                      | 6.98                    | 749.03                                         |
| 4/16/2013 | TW-6     | 754.17                               | 12.92                            | 756.43                                      | 6.31                    | 750.12                                         |

Could not locate TW-8.

**STATIC WATER LEVEL TABLE**  
**July 7, 2013**  
**DAVISON ROAD LANDFILL**  
**DAVISON AND DONEGAL ROAD BURTON, MI**

| Date      | Well     | Ground<br>Elevation at<br>Well (ft.) | Well Depth<br>to Bottom<br>(ft.) | Well Top<br>of Casing<br>Elevation<br>(ft.) | Depth to<br>Water (ft.) | Static<br>Water<br>Level<br>Elevation<br>(ft.) |
|-----------|----------|--------------------------------------|----------------------------------|---------------------------------------------|-------------------------|------------------------------------------------|
| 7/22/2013 | MW-1-12  | 759.28                               | 12.84                            | 762.66                                      | 9.65                    | 753.01                                         |
| 7/22/2013 | MW-2-12  | 756.29                               | 11.67                            | 759.75                                      | 7.99                    | 751.76                                         |
| 7/22/2013 | MW-3-12  | 750.37                               | 10.18                            | 753.62                                      | 7.39                    | 746.23                                         |
| 7/22/2013 | MW-4-12  | 750.87                               | 11.28                            | 753.89                                      | 6.88                    | 747.01                                         |
| 7/22/2013 | MW-5-12  | 760.91                               | 16.43                            | 764.37                                      | 40.66                   | 723.71                                         |
| 7/22/2013 | MW-6-12  | 757.97                               | 20.20                            | 761.11                                      | 16.39                   | 744.72                                         |
| 7/22/2013 | MW-7-12  | 752.35                               | 13.90                            | 755.48                                      | 7.76                    | 747.72                                         |
| 7/22/2013 | MW-8-12  | 754.99                               | 13.95                            | 758.47                                      | 11.10                   | 747.37                                         |
| 7/22/2013 | MW-9-12  | 752.23                               | 15.30                            | 755.52                                      | 7.62                    | 747.90                                         |
| 7/22/2013 | MW-10-12 | 751.93                               | 10.38                            | 755.33                                      | 6.90                    | 748.43                                         |
| 7/22/2013 | MW-11-12 | 754.66                               | 13.91                            | 758.02                                      | 9.08                    | 748.94                                         |
| 7/22/2013 | MW-12-12 | 761.07                               | 19.33                            | 764.44                                      | 12.04                   | 752.40                                         |
| 7/22/2013 | MW-13-12 | 761.89                               | 13.77                            | 765.27                                      | 9.86                    | 755.41                                         |
| 7/22/2013 | MW-14-12 | 761.84                               | 13.13                            | 765.11                                      | 8.38                    | 756.73                                         |
| 7/22/2013 | MW-1     | 760.37                               | 15.54                            | 762.58                                      | 7.76                    | 754.82                                         |
| 7/22/2013 | MW-2     | 763.82                               | 17.87                            | 766.11                                      | 12.99                   | 753.12                                         |
| 7/22/2013 | MW-04    | 761.14                               | 15.28                            | 763.55                                      | 12.34                   | 751.21                                         |
| 7/22/2013 | TW-1     | 753.09                               | 15.20                            | 756.01                                      | 9.19                    | 746.82                                         |
| 7/22/2013 | TW-6     | 754.17                               | 12.92                            | 756.43                                      |                         | 756.43                                         |

Could not locate TW-8.

## **APPENDIX C**

### **LABORATORY REPORTS-SOIL**

## **APPENDIX D**

### **LABORATORY REPORTS-GROUNDWATER/SURFACE WATER**