**Property:** UMore Park Property

**Drilling Method:** 9-inch flight auger

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**

- Coordinates: 490,849.11 mE +/- 0.02 m, 4,950,000.44 mN +/- 0.02 m
- Elevation (ft.): 947.2 +/- 0.1 ft.
- Ground Water Depth (ft.): 54.5
- Ground Water Elevation (ft.): 892.7

**Site:** Plowed field at natural grade.

**Topsoil:** Silty, black.

**Silt:** Brown.

**Sand:** Fine sand. Very minor trace gravel to 1/2 inch.

**Drilling Contractor:** Braun Intertec

**Drill Rig:** CME-750

**Logged By:** J.D. Lehr

**Drilled By:** J.D. Lehr, PG

**Prepared for:** ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
DRILLING LOG

HOLE NO. A0200

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County County, Minnesota

UTM Zone 15/NAD83/NAVD88
490,849.40 mE +/- 0.02 m 4,950,199.41 mN +/- 0.02 m
Elevation (ft.): 948.4 +/- 0.1 ft.
Ground Water Depth (ft.): 57.0
Ground Water Elevation (ft.): 891.4
Site: Plowed field at natural grade.

Drilling Method: 9-inch flight auger
Started: 11/6/07 10:10 AM
Completed: 11/6/07 11:35 AM
Drill Rig: CME-750
Logged By: J.D. Lehr

DRILLING & SAMPLING

TEST RESULTS (%)

Graph Log
Depth (ft.)
Gravel Per Intervals Sampled Intervals Total + #4 1.5 Inch + 1/4 Inch 3/4 Inch + #4 Sieve Sampled Runs Sampled Runs Runs Runs

1.0 TOPSOIL. Silty, black.

3.0 SILT. Brown.

5.0 SAND. Fine sand, slightly dirty. Very minor gravel to 1 inch.

10.0 SAND. Fine to coarse sand. Very minor gravel to 1/2 inch.

15.0 SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.

20.0 SAND. Fine to coarse sand. Very minor gravel to 1-3/4 inches.

25.0 SAND. Fine sand. Very minor trace gravel to 1 inch.

30.0 SAND. Fine to coarse sand. Very minor gravel to 1-3/4 inches.

35.0 SAND. Fine to coarse sand. Minor gravel to 1-3/4 inches.

40.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 3-1/2 inches.

45.0 SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.

50.0 SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.

55.0 SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches, mostly pea gravel.

60.0 SAND & GRAVEL. Medium to very coarse sand. Gravel to 1 inch, mostly pea gravel. Small sample volume due to displacement by clay below.

CLAY. Brown & reddish brown.

Geo Interpretation:
Loess
Superior lobe outwash
Lacustrine sediment

Prepared for: ProSource Technologies, Inc.
by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**DRILLING LOG**

**HOLE NO. A0400**

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
490,850.01 mE +/- 0.02 m 4,950,400.03 mN +/- 0.02 m  
Elevation (ft.): 949.1 +/- 0.1 ft.  
Ground Water Depth (ft.): 56.0  
Ground Water Elevation (ft.): 893.1  
Site: Plowed field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 11/6/07 8:50 AM  
**Completed:** 11/6/07 10:05 AM  
**Logged By:** J.D. Lehr

**DRILLING & SAMPLING**

<table>
<thead>
<tr>
<th>Graphic Log</th>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Total + #4 Sieve</th>
<th>+ 1.5 Inch to 3/4 Inch</th>
<th>+ 3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
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</thead>
<tbody>
<tr>
<td>948.1</td>
<td>5.0</td>
<td>5</td>
<td>18.2</td>
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<td>13.5</td>
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<td>944.1</td>
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<td>8.3</td>
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<tr>
<td>939.1</td>
<td>15.0</td>
<td>15</td>
<td>6.5</td>
<td>0.0</td>
<td>1.7</td>
<td>4.9</td>
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<tr>
<td>934.1</td>
<td>20.0</td>
<td>20</td>
<td>11.7</td>
<td>1.2</td>
<td>3.5</td>
<td>7.0</td>
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<td>929.1</td>
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<td>1.8</td>
<td>6.3</td>
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<td>919.1</td>
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<td>914.1</td>
<td>35.0</td>
<td>35</td>
<td>17.1</td>
<td>0.0</td>
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<td>12.2</td>
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<tr>
<td>909.1</td>
<td>40.0</td>
<td>40</td>
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<tr>
<td>904.1</td>
<td>45.0</td>
<td>45</td>
<td>26.2</td>
<td>2.5</td>
<td>9.8</td>
<td>13.9</td>
</tr>
<tr>
<td>899.1</td>
<td>50.0</td>
<td>50</td>
<td>16.3</td>
<td>7.2</td>
<td>3.5</td>
<td>5.7</td>
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<tr>
<td>894.1</td>
<td>55.0</td>
<td>55</td>
<td>9.3</td>
<td>0.0</td>
<td>2.8</td>
<td>6.5</td>
</tr>
<tr>
<td>889.1</td>
<td>60.0</td>
<td>60</td>
<td>21.8</td>
<td>12.4</td>
<td>0.5</td>
<td>8.9</td>
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<tr>
<td>884.1</td>
<td>65.0</td>
<td>65</td>
<td>27.7</td>
<td>0.0</td>
<td>5.1</td>
<td>22.6</td>
</tr>
</tbody>
</table>

**Topsoil:** Silty, black.

**Silt:** Brown. Some gravel present.

**Sand:** Fine to coarse sand. Minor gravel to 1-1/2 inches.

**SAND:** Fine to medium sand. Minor gravel to 2-1/2 inches.

**Sand:** Fine sand. Very minor gravel to 1 inch.

**Sand:** Fine to coarse sand. Very minor gravel to 1-1/2 inches.

**Sand:** Fine to coarse sand. Minor gravel to 1-3/4 inches.

**Sand:** Fine to coarse sand. Minor gravel to 1-1/2 inches.

**Sand & Gravel:** Fine to coarse sand. Gravel to 1-3/4 inches.

**Sand:** Fine to coarse sand. Minor gravel to 3-1/2 inches.

**Sand:** Fine to coarse sand. Very minor gravel to 1-1/2 inches.

**Sand:** Fine to coarse sand. Minor gravel to 5 inches, mostly less than 1 inch.

**Sand & Gravel:** Medium to very coarse sand. Gravel to 1-1/2 inches.

**Ground Water Depth (ft.):** 56.0

**Ground Water Elevation (ft.):** 893.1

**Drilling Contractor:** Braun Intertec

**Drill Rig:** CME-750

**Economic Classification:** Superior lobe outwash 16.5% #4
Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
490,850.07 mE +/- 0.02 m 4,950,600.61 mN +/- 0.02 m
Elevation (ft.): 950.8 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Plowed field at natural grade.

Drilling Method: 9-inch flight auger
Started: 11/6/07 7:30 AM
Drilling Contractor: Braun Intertec
Completed: 11/6/07 8:45 AM
Drill Rig: CME-750
Logged By: J.D. Lehr

DRILLING LOG

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Topsoil</th>
<th>Sand &amp; Gravel</th>
<th>Sand</th>
<th>Sand</th>
<th>Gravel &amp; Sand</th>
<th>Till</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>Topsoil</td>
<td>9.0</td>
<td>5.0</td>
<td>10.0</td>
<td>45.0</td>
<td>51.0</td>
</tr>
<tr>
<td>1.0</td>
<td>Silty, black.</td>
<td>949.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>Silty, black.</td>
<td>946.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>Sand &amp; Gravel, fine to coarse sand, slightly dirty. Gravel to 1-1/2 inches.</td>
<td>945.8</td>
<td>15.0</td>
<td>20.0</td>
<td>30.0</td>
<td>40.0</td>
</tr>
<tr>
<td>10.0</td>
<td>Sand, fine sand. Very minor pea gravel.</td>
<td>940.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.0</td>
<td>Sand, fine sand. Very minor gravel to 1-1/2 inches.</td>
<td>935.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.0</td>
<td>Sand, fine sand. Very minor gravel to 1-3/4 inches.</td>
<td>930.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.0</td>
<td>Sand, fine sand. Very minor gravel to 3-1/2 inches.</td>
<td>925.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>Sand, fine sand. Very minor gravel to 1-1/4 inches, mostly pea gravel.</td>
<td>920.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35.0</td>
<td>Sand, fine sand. Very minor gravel to 1-1/4 inches, mostly pea gravel.</td>
<td>915.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.0</td>
<td>Sand, fine sand. Very minor gravel to 3-1/2 inches.</td>
<td>910.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45.0</td>
<td>Gravel &amp; Sand, fine to coarse sand, slightly dirty. Gravel to 1-1/2 inches. High percentage pea gravel.</td>
<td>905.8</td>
<td></td>
<td></td>
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<tr>
<td>51.0</td>
<td>No Recovery. Samples displaced while drilling till below. Drilled like sand gravel.</td>
<td>899.8</td>
<td></td>
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<tr>
<td>56.0</td>
<td>Till. Silty, sandy, brown &amp; red mixed.</td>
<td>888.6</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>64.0</td>
<td>T.D. 64 ft.</td>
<td>888.6</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):

Test Results (%)

<table>
<thead>
<tr>
<th>Sample Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 Inch to 3/4 Inch</td>
</tr>
<tr>
<td>3/4 Inch to 1-1/4 Inch</td>
</tr>
<tr>
<td>1-1/4 Inch to 3-1/2 Inch</td>
</tr>
<tr>
<td>3-1/2 Inch to 7-1/2 Inch</td>
</tr>
<tr>
<td>7-1/2 Inch to 15-1/2 Inch</td>
</tr>
<tr>
<td>15-1/2 Inch to 30-1/2 Inch</td>
</tr>
<tr>
<td>30-1/2 Inch to 60-1/2 Inch</td>
</tr>
<tr>
<td>60-1/2 Inch to 120-1/2 Inch</td>
</tr>
<tr>
<td>120-1/2 Inch to 240-1/2 Inch</td>
</tr>
<tr>
<td>240-1/2 Inch to 480-1/2 Inch</td>
</tr>
<tr>
<td>480-1/2 Inch to 960-1/2 Inch</td>
</tr>
<tr>
<td>960-1/2 Inch to 1920-1/2 Inch</td>
</tr>
<tr>
<td>1920-1/2 Inch to 3840-1/2 Inch</td>
</tr>
</tbody>
</table>

Geologic Interpretation

Till

Superior lobe outwash

Loess

15.7% #4
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
490,903.70 mE +/- 0.02 m 4,950,692.82 mN +/- 0.02 m  
Elevation (ft.): 949.9 +/- 0.1 ft.  

**Ground Water Depth (ft.):** Ground water not encountered  

**Ground Water Elevation (ft.):** Site: Edge of plowed field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 4/17/08 3:10 PM  
**Completed:** 4/17/08 4:40 PM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr

### Drill Log

<table>
<thead>
<tr>
<th>Sample</th>
<th>wt. (lbs)</th>
<th>Sampled Intervals</th>
<th>Drilled Per</th>
<th>Drill Action</th>
<th>Total + #4</th>
<th>1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topsoil</td>
<td>948.4</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>12.4</td>
<td>5.6</td>
<td>2.6</td>
</tr>
<tr>
<td>Silts</td>
<td>945.4</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>26.8</td>
<td>18.4</td>
<td>2.8</td>
</tr>
<tr>
<td>Sand</td>
<td>944.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>18.8</td>
<td>2.8</td>
<td>6.3</td>
</tr>
<tr>
<td>Sand &amp; Gravel</td>
<td>939.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>33.7</td>
<td>3.9</td>
<td>8.5</td>
</tr>
<tr>
<td>Sand</td>
<td>934.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>32.6</td>
<td>7.9</td>
<td>5.0</td>
</tr>
<tr>
<td>Sand &amp; Gravel</td>
<td>919.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>32.6</td>
<td>7.9</td>
<td>5.0</td>
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<tr>
<td>Sand &amp; Gravel</td>
<td>914.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>32.6</td>
<td>7.9</td>
<td>5.0</td>
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<tr>
<td>Sand &amp; Gravel</td>
<td>909.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>30.2</td>
<td>4.6</td>
<td>5.7</td>
</tr>
<tr>
<td>Till</td>
<td>898.4</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>33.0</td>
<td>7.0</td>
<td>7.4</td>
</tr>
<tr>
<td>Till</td>
<td>897.9</td>
<td>1.5 Inch to 3/4 Inch</td>
<td>#4</td>
<td>Depth (ft.)</td>
<td>21.6</td>
<td>1.1</td>
<td>5.0</td>
</tr>
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</table>

**Elevation (ft.):** 949.9 +/- 0.1 ft.  
**Ground Water Elevation (ft.):** Site: Edge of plowed field at natural grade.
**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**Drilling Method:** 9-inch flight auger  
**Started:** 9/19/07 12:40 PM  
**Completed:** 9/19/07 3:10 PM  
**Drilling Contractor:** WDC  
**Drill Rig:** CME-85  
**Logged By:** J.D. Lehr

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Total + #4</th>
<th>1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
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<tbody>
<tr>
<td>1.5</td>
<td>17.3</td>
<td>1.5</td>
<td>7.4</td>
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<td>24.0</td>
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<tr>
<td>3.0</td>
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<tr>
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<td>60.0</td>
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<td>65.0</td>
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</tr>
</tbody>
</table>

**UTM Zone 15/NAD83/NAVD88**

- Site: Soybean field at natural grade.
- Property: UMore Park Property

<table>
<thead>
<tr>
<th>Sampled Runs</th>
<th>Sampled Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Geologic Interpretation:**
- **Loess**
- **Superior lobe outwash**

**Graph Log:**
- **Depth (ft.)**
- **Drill Peris**
- **Sampled Intervals**
- **Total + #4 Sieve**
- **1.5 Inch to 3/4 Inch**
- **3/4 Inch to #4 Sieve**
- **Sample Wt. (lbs)**

**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
**(651) 408-9100 jdlehr@citlink.net**
Sample from 45 to 50 foot interval partially discarded (see field photos), small sample taken from this interval.
**DRILLING LOG**

**Property:** UMore Park Property

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

---

**UTM Zone 15/NAD83/NAVD88**

490,848.21 mE +/- 0.02 m 4,951,200.08 mN +/- 0.02 m

**Elevation (ft.):** 945.0 +/- 0.1 ft.

**Ground Water Depth (ft.):** Ground water not encountered

**Ground Water Elevation (ft.):**

**Site:** Soybean field at natural grade.

---

**DRILLING & SAMPLING**

**TEST RESULTS (%)**

<table>
<thead>
<tr>
<th>Sample</th>
<th>Intervals</th>
<th>Total + #4 Sieve</th>
<th>+ 1 1/2 Inch</th>
<th>1 1/4 Inch</th>
<th>3/4 Inch</th>
<th>1/4 Inch</th>
<th>Sample Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>TOPSOIL.</td>
<td>Silty, black.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.5</td>
<td>SILT.</td>
<td>Brown.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.0</td>
<td>SAND.</td>
<td>Fine to coarse sand. Very minor gravel to 1 inch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.0</td>
<td>SAND.</td>
<td>Fine to coarse sand. Minor gravel to 1-1/2 inches.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.0</td>
<td>SAND.</td>
<td>Fine to medium sand, clean. Very minor trace gravel to 1/2 inch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>SAND &amp; GRAVEL.</td>
<td>Fine to coarse sand. Gravel to 1-1/2 inches.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42.0</td>
<td>SAND &amp; GRAVEL.</td>
<td>Fine to coarse sand. Gravel to 3 inches. Refusal in coarse gravel at 42 feet.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Drilling Method:** 9-inch flight auger

**Started:** 9/18/07 9:55 AM

**Completed:** 9/18/07 11:55 AM

**Drilling Contractor:** WDC

**Drill Rig:** CME-85

**Logged By:** J.D. Lehr

---

Broke off top auger at 42 feet. Attempted to continue deeper, but not successful.
No photographs of field samples 10 to 45 feet.
## DRILLING LOG

### HOLE NO. A1600

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
490,899.94 mE +/- 0.02 m 4,951,599.51 mN +/- 0.02 m  
Elevation (ft.): 953.6 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.): 

**Site:** Plowed field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 11/29/07 9:50 AM  
**Completed:** 11/29/07 11:40 AM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Graphic Log</th>
<th>Sampled Intervals</th>
<th>Sampled Runs</th>
<th>Sampled Wt. (lbs)</th>
<th>Geologic Interpretation</th>
</tr>
</thead>
</table>
| 1.5         | TOPSOIL. Silty, black.  
| 4.0         | SILT. Brown.  
| 5.0         | SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.  
| 10.0        | SAND & GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.  
| 15.0        | SAND. Fine to coarse sand. Minor gravel to 2 inches.  
| 20.0        | SAND. Fine to medium sand. Very minor gravel to 2 inches.  
| 25.0        | SAND. Fine to coarse sand. Minor gravel to 3 inches.  
| 30.0        | SAND. Fine to coarse sand. Minor gravel to 2 inches.  
| 35.0        | SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.  
| 40.0        | SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.  
| 45.0        | SAND. Fine to coarse sand. Minor gravel to 2-1/2 inches.  
| 50.0        | SAND. Very fine to fine sand, dirty to very dirty. Very minor gravel to 1 inch.  
| 55.0        | TILL. Silty, yellowish brown.  
| 60.0        |  
| 65.0        | T.D. 65 ft.  

**Prepared for:** ProSource Technologies, Inc. **by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Property: UMore Park Property
Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
490,899.59 mE +/- 0.02 m 4,951,799.79 mN +/- 0.02 m
Elevation (ft.): 953.7 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Plowed field at natural grade.

Drilling Method: 9-inch flight auger
Started: 11/29/07 12:20 PM
Drilling Contractor: Braun Intertec
Completed: 11/29/07 2:15 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

Sample Wt. (lbs)
Graphic Log
Depth (ft.)
Drill Action
Sample Runs
Sampled Intervals
Total + #4 Sieve
+ 1.5 Inch
1/2 Inch to #4 Sieve
3/4 Inch to #4 Sieve
Sample Wt. (lbs)
Geologic Interpretation
Economic Classification

1.5 TOPSOIL. Silty, black.
3.0 SILT. Brown.
5.0 SAND. Fine to medium sand. Very minor trace gravel to 1/2 inch.
10.0 SAND. Fine to coarse sand. Minor gravel to 1 inch.
15.0 SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.
20.0 SAND. Fine to medium sand. Minor gravel to 2 inches.
25.0 SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.
30.0 SAND. Fine to coarse sand. Minor gravel to 1 inch. Small sample volume.
35.0 SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.
40.0 SAND. Fine to medium sand. Very minor gravel to 3/4 inch.
45.0 SAND. Fine sand. Very minor trace gravel to 1/2 inch.
50.0 SAND. Fine to medium sand. Very minor gravel to 3/4 inch.
55.0 SAND. Fine to medium sand. Very minor gravel to 3/4 inch.
**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
490,898.22 mE +/- 0.02 m  
4,951,999.94 mN +/- 0.02 m  
Elevation (ft.): 953.9 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):  

**Site:** Plowed field at natural grade.

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Sample Runs</th>
<th>Total + #4</th>
<th>1 1/2 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
<th>Geologic Interpretation</th>
<th>Economic Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
<td>0.8</td>
<td>3.3</td>
<td>9.9</td>
<td></td>
<td>42.8</td>
</tr>
<tr>
<td>10.0</td>
<td></td>
<td></td>
<td></td>
<td>19.6</td>
<td>4.4</td>
<td>6.0</td>
<td>9.3</td>
<td>28.3</td>
</tr>
<tr>
<td>15.0</td>
<td></td>
<td></td>
<td></td>
<td>17.0</td>
<td>2.5</td>
<td>3.0</td>
<td>11.6</td>
<td>28.2</td>
</tr>
<tr>
<td>25.0</td>
<td></td>
<td></td>
<td></td>
<td>24.5</td>
<td>4.1</td>
<td>5.0</td>
<td>15.5</td>
<td>32.5</td>
</tr>
<tr>
<td>30.0</td>
<td></td>
<td></td>
<td></td>
<td>31.0</td>
<td>12.0</td>
<td>1.6</td>
<td>17.5</td>
<td>31.8</td>
</tr>
<tr>
<td>35.0</td>
<td></td>
<td></td>
<td></td>
<td>28.0</td>
<td>9.6</td>
<td>4.2</td>
<td>14.2</td>
<td>30.1</td>
</tr>
<tr>
<td>40.0</td>
<td></td>
<td></td>
<td></td>
<td>28.7</td>
<td>1.1</td>
<td>5.3</td>
<td>22.3</td>
<td>26.0</td>
</tr>
<tr>
<td>45.0</td>
<td></td>
<td></td>
<td></td>
<td>24.1</td>
<td>2.3</td>
<td>4.9</td>
<td>17.0</td>
<td>23.5</td>
</tr>
<tr>
<td>50.0</td>
<td></td>
<td></td>
<td></td>
<td>24.1</td>
<td>0.0</td>
<td>3.1</td>
<td>21.0</td>
<td>21.9</td>
</tr>
<tr>
<td>55.0</td>
<td></td>
<td></td>
<td></td>
<td>19.8</td>
<td>0.0</td>
<td>4.6</td>
<td>15.1</td>
<td>24.3</td>
</tr>
<tr>
<td>60.0</td>
<td></td>
<td></td>
<td></td>
<td>18.8</td>
<td>3.3</td>
<td>2.2</td>
<td>13.2</td>
<td>25.1</td>
</tr>
<tr>
<td>65.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Drilling Method:** 9-inch flight auger  
**Started:** 11/29/07 2:20 PM  
**Completed:** 11/29/07 3:55 PM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr  
**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

### UTM Zone 15/NAD83/NAVD88
490,901.04 mE +/- 0.02 m 4,952,198.71 mN +/- 0.02 m

Elevation (ft.): 953.8 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):

Site: Plowed field at natural grade.

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Started</th>
<th>Completed</th>
<th>Logged By</th>
</tr>
</thead>
<tbody>
<tr>
<td>928.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>908.8</td>
<td>11/30/07 7:30 AM</td>
<td>11/30/07 9:35 AM</td>
<td>J.D. Lehr</td>
</tr>
</tbody>
</table>

**Drilling Method:** 9-inch flight auger  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750

---

### Drilling & Sampling

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Sampled</th>
<th>Total + #4</th>
<th>1.5 Inch to #4 Sieve</th>
<th>3/4 Inch to #4 Sieve</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 TOPSOIL.</td>
<td>952.3</td>
<td>18.2</td>
<td>4.5</td>
<td>5.5</td>
<td>8.1</td>
<td>35.0</td>
<td></td>
</tr>
<tr>
<td>3.5 SILT.</td>
<td>950.3</td>
<td>10.3</td>
<td>1.1</td>
<td>4.0</td>
<td>5.2</td>
<td>25.0</td>
<td></td>
</tr>
<tr>
<td>5.0 SAND. Fine sand. Minor gravel to 1-3/4 inches.</td>
<td>948.8</td>
<td>14.0</td>
<td>2.3</td>
<td>4.0</td>
<td>7.7</td>
<td>31.6</td>
<td></td>
</tr>
<tr>
<td>10.0 SAND. Fine to coarse sand. Minor gravel to 3-1/2 inches.</td>
<td>943.8</td>
<td>7.2</td>
<td>0.0</td>
<td>2.7</td>
<td>4.5</td>
<td>24.3</td>
<td></td>
</tr>
<tr>
<td>15.0 SAND. Fine to medium sand. Minor gravel to 1-1/2 inches.</td>
<td>938.8</td>
<td>11.8</td>
<td>0.0</td>
<td>4.0</td>
<td>7.7</td>
<td>24.3</td>
<td></td>
</tr>
<tr>
<td>20.0 SAND. Fine to medium sand. Very minor gravel to 1-1/2 inches.</td>
<td>933.8</td>
<td>5.9</td>
<td>0.0</td>
<td>1.5</td>
<td>4.4</td>
<td>21.8</td>
<td></td>
</tr>
<tr>
<td>25.0 SAND. Fine to coarse sand. Very minor gravel to 1-1/2 inches.</td>
<td>928.8</td>
<td>6.3</td>
<td>0.0</td>
<td>1.1</td>
<td>4.5</td>
<td>24.3</td>
<td></td>
</tr>
<tr>
<td>40.0 SAND &amp; GRAVEL. Fine to coarse sand. Gravel to 2 inches.</td>
<td>913.8</td>
<td>31.7</td>
<td>3.0</td>
<td>5.6</td>
<td>23.1</td>
<td>29.9</td>
<td></td>
</tr>
<tr>
<td>45.0 SAND. Fine to coarse sand. Minor gravel to 1 inch.</td>
<td>908.8</td>
<td>17.8</td>
<td>0.0</td>
<td>4.6</td>
<td>13.2</td>
<td>26.4</td>
<td></td>
</tr>
<tr>
<td>60.0 SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.</td>
<td>893.8</td>
<td>18.4</td>
<td>0.0</td>
<td>3.9</td>
<td>14.4</td>
<td>23.3</td>
<td></td>
</tr>
<tr>
<td>65.0 SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.</td>
<td>888.8</td>
<td>23.0</td>
<td>0.0</td>
<td>3.5</td>
<td>19.5</td>
<td>23.1</td>
<td></td>
</tr>
</tbody>
</table>

---

**Ground Water Depth (ft.):** Ground water not encountered  
**Ground Water Elevation (ft.):**

---

**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
(651) 408-9100  jdlehr@citlink.net
**DRILLING LOG**

**HOLE NO. A2300**

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Test Results (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampled Intervals</td>
<td>Total + #4</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Drilling Method:** 4x6 Rotasonic  
**Drilling Contractor:** Traut Wells  
**Drill Rig:** Versasonic  
**Logged By:** J.D. Lehr

**Site:** Snow covered field at natural grade.

---

**TOPSOIL.** Silty, black.  
**SILT.** Brown.

---

**SAND.** Fine to medium sand. Minor gravel to 2 inches.

**SAND.** Fine to medium sand. Minor gravel to 4 inches.

**SAND.** Fine to coarse sand. Minor gravel to 2 inches.

**SAND.** Fine to coarse sand. Minor gravel to 1 inch.

---

**SAND.** Fine to coarse sand. Minor gravel to 2 inches.

---

**SAND.** Fine to very coarse sand. Very minor trace gravel to 1-1/2 inches.

---

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 3-1/2 inches.

**GRAVEL & SAND.** Fine to very coarse sand. Gravel to 2 inches.

**SAND.** Fine to medium sand. Very minor trace gravel to 1/2 inch.

**SILT.** Brown to gray.

---

**Continued Next Page**

Prepared for: ProSource Technologies, Inc.  
by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**DRILLING LOG**

**HOLE NO. A2300**

**Property:** UMore Park Property

**Granulometry:**

<table>
<thead>
<tr>
<th>Graphic Log</th>
<th>Depth (ft.)</th>
<th>Gravel Per Sampled Intervals</th>
<th>Runs</th>
<th>Total #4 Sieve</th>
<th>+ 1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
<th>Economic Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILT</td>
<td>Brown to gray. (continued)</td>
<td>80.0</td>
<td>874.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Ground water level approximate.

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**

- 490,931.93 mE +/- 0.02 m
- 4,952,302.65 mN +/- 0.02 m
- Elevation (ft.): 954.0 +/- 0.1 ft.
- Ground Water Depth (ft.): 65.0
- Ground Water Elevation (ft.): 889.0
- Site: Snow covered field at natural grade.

**Drilling Method:** 4x6 Rotasonic

**Drilling Contractor:** Traut Wells

**Drill Rig:** Versasonic

**Started:** 2/11/08 11:10 AM

**Completed:** 2/11/08 12:20 PM

**Logged By:** J.D. Lehr

**Prepared for:** ProSource Technologies, Inc.

**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**Elevation (ft.):** 954.0 +/- 0.1 ft.

**Ground Water Depth (ft.):** 65.0

**Ground Water Elevation (ft.):** 889.0

**Ground water level approximate.**
**Property:** UMore Park Property

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**

490,899.83 mE +/- 0.02 m 4,952,400.62 mN +/- 0.02 m

**Elevation (ft.):** 954.6 +/- 0.1 ft.

**Ground Water Depth (ft.):** Ground water not encountered

**Ground Water Elevation (ft.):**

**Drilling Method:** 9-inch flight auger

**Started:** 11/30/07 9:50 AM

**Completed:** 11/30/07 11:35 AM

**Drilling Contractor:** Braun Intertec

**Logged By:** J.D. Lehr

**Drill Rig:** CME-750

**Site:** Plowed field at natural grade.

---

**Geologic Interpretation**

**Economic Classification**

---

**1.5** **TOPSOIL.** Silty, black.

**6.0** **SILT.** Sandy towards bottom of interval, brown. Lower contact based on drill action.

**10.0** **SAND & GRAVEL.** Fine to coarse sand. Gravel to 1-1/2 inches.

**15.0** **SAND.** Fine to coarse sand. Minor gravel to 1 inch.

**20.0** **SAND.** Fine to medium sand. Very minor gravel to 1-3/4 inches.

**25.0** **SAND.** Fine to medium sand. Very minor gravel to 1 inch.

**30.0** **SAND.** Fine to coarse sand. Minor gravel to 2 inches.

**35.0** **SAND.** Fine to medium sand. Very minor gravel to 1-1/4 inches.

**45.0** **SAND.** Fine to medium sand. Very minor gravel to 1-3/4 inches.

**50.0** **SAND & GRAVEL.** Fine to coarse sand. Gravel to 1-1/2 inches.

**55.0** **SAND & GRAVEL.** Fine to coarse sand. Gravel to 3 inches.

**60.0** **SAND & GRAVEL.** Fine to coarse sand. Gravel to 4 inches.

**65.0** **SAND & GRAVEL.** Fine to coarse sand. Gravel to 3-1/2 inches.
### DRILLING LOG

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
490,895.26 mE +/- 0.02 m  4,952,585.20 mN +/- 0.02 m  
Elevation (ft.): 955.1 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.): Site: Grassy area at natural grade.

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Test Results (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampled Intervals</td>
</tr>
<tr>
<td>------------------</td>
</tr>
<tr>
<td>31.5</td>
</tr>
<tr>
<td>21.4</td>
</tr>
<tr>
<td>30.9</td>
</tr>
<tr>
<td>25.2</td>
</tr>
<tr>
<td>9.4</td>
</tr>
<tr>
<td>10.3</td>
</tr>
<tr>
<td>7.5</td>
</tr>
<tr>
<td>7.6</td>
</tr>
<tr>
<td>24.7</td>
</tr>
<tr>
<td>23.3</td>
</tr>
<tr>
<td>30.1</td>
</tr>
</tbody>
</table>

**TaBLe:**  
- **Topsoil:** Silty, black.  
- **Silt:** Brown.  
- **Sand:** Very fine sand, very dirty. Very minor gravel to 1 inch. Lower contact based on drill action.  
- **Sand & Gravel:** Medium to very coarse sand. Gravel to 1-1/4 inches. High percentage pea gravel.  
- **Sand:** Fine to coarse sand. Minor gravel to 1-1/4 inches.  
- **Sand & Gravel:** Fine to very coarse sand. Gravel to 2-1/4 inches. High percentage pea gravel.  
- **Sand:** Fine to medium sand. Very minor gravel to 2 inches.  
- **Sand:** Fine sand. Very minor gravel to 1-1/2 inches.  
- **Sand:** Fine to medium sand. Very minor gravel to 1 inch.  
- **Sand:** Fine to coarse sand. Minor gravel to 1-1/2 inches.  
- **Sand:** Fine to coarse sand. Minor gravel to 1 inch.  
- **Sand & Gravel:** Fine to coarse sand. Gravel to 1-3/4 inches. Very rocky (drill action) from 59 to 61 feet. Refusal on large rock at 61 feet.
Property: UMore Park Property
Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
490,898.21 mE +/- 0.02 m 4,952,701.10 mN +/- 0.02 m
Elevation (ft.): 955.7 +/- 0.1 ft.
Ground Water Depth (ft.): 73.0
Ground Water Elevation (ft.): 882.7

Site: Snow covered soybean stubble field at natural grade.

0.5** TOPSOIL.** Silty, black. 955.2
4.5** SILT.** Sandy towards bottom of interval, brown. 951.2

**SAND.** Fine to medium sand. Very minor gravel to 1-1/2 inches. 941.7
14.0

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 1-1/2 inches. 938.7
17.0

**SAND.** Fine to medium sand. Minor gravel to 1-1/2 inches. 935.7
20.0

**SAND.** Fine to coarse sand. Minor gravel to 1-3/4 inches. 930.7
25.0

**SAND.** Fine to medium sand, slightly dirty. Minor gravel to 1-1/4 inches. 925.7
30.0

**SAND.** Fine sand. No gravel. 919.7
36.0

**SAND & GRAVEL.** Fine to very coarse sand. Gravel to 1-3/4 inches. 915.7
40.0

**SAND.** Fine to coarse sand. Very minor gravel to 1/2 inch. 910.7
45.0

**SAND & GRAVEL.** Fine to very coarse sand. Gravel to 2-1/4 inches. 903.7
52.0

**SAND.** Fine to medium sand. Very minor gravel to 1 inch. 895.7
60.0

**SAND.** Fine to coarse sand, slightly dirty. Minor gravel to 2 inches. 890.7
65.0

**SAND.** Fine to coarse sand. Minor gravel to 1-1/2 inches. 885.7
70.0

**SAND.** Fine to medium sand. Very minor gravel to 2 inches. 881.7
74.0

**Continued Next Page**

Drilling Method: 4x6 Rotasonic  Started: 2/15/08 10:30 AM
Drilling Contractor: Traut Wells  Completed: 2/15/08 12:00 PM
Drill Rig: Versasonic  Logged By: J.D. Lehr
**GRAVEL & SAND.** Fine to very coarse sand, dirty. Gravel to 4 inches. Till balls present from 98 to 100 feet. (continued)

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Graphic Log</th>
<th>Sampled Intervals</th>
<th>Sample Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100.0</td>
<td>855.7</td>
<td>43.0</td>
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<tr>
<td></td>
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<td>35.2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>64.7</td>
<td>27.8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>58.0</td>
<td>16.0</td>
</tr>
</tbody>
</table>

**NO RECOVERY.** "Large boulders" according to driller. Bit was ruined on 100 to 120 foot sampling run.
### Drilling Log

#### Property: UMore Park Property

**UTM Zone 15/NAD83/NAVD88**
490,900.62 mE +/- 0.02 m 4,952,799.65 mN +/- 0.02 m

- **Elevation (ft.):** 957.1 +/- 0.1 ft.
- **Ground Water Depth (ft.):** Ground water not encountered
- **Ground Water Elevation (ft.):**

#### Site: Soybean stubble field at natural grade.

#### Location: City of Rosemount & Empire Township, Dakota County County, Minnesota

- **Drilling Method:** 9-inch flight auger
- **Started:** 11/30/07 2:50 PM
- **Drilling Contractor:** Braun Intertec
- **Completed:** 11/30/07 4:25 PM
- **Drill Rig:** CME-750
- **Logged By:** J.D. Lehr

#### Sample Results (%)

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>GRAVEL Per + #4 Sieve</th>
<th>Sampled Intervals</th>
<th>Sampled Runs</th>
<th>Total + #4 Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td>46.2 9.6 23.9 12.7 17.7</td>
<td>15.3 0.0 2.1 13.2 32.6</td>
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<td></td>
</tr>
<tr>
<td>2.5</td>
<td>23.5 9.4 3.6 10.5 33.8</td>
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<td></td>
</tr>
<tr>
<td>3.5</td>
<td>24.6 9.0 4.9 10.7 32.0</td>
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<td></td>
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<tr>
<td>4.5</td>
<td>23.7 2.7 9.7 11.3 33.7</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5.5</td>
<td>19.4 0.8 6.3 12.3 30.1</td>
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</tr>
<tr>
<td>6.5</td>
<td>13.6 4.1 2.8 6.7 20.2</td>
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<td></td>
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</tr>
<tr>
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<td>8.5</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>9.5</td>
<td>17.7 1.1 2.5 14.1 22.5</td>
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</tr>
<tr>
<td>10.5</td>
<td>23.6 3.3 5.4 14.9 22.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.5</td>
<td>18.9 3.1 2.8 12.9 28.5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Economic Classification

**Matsot Outwash**

---

**Prepared for:** ProSource Technologies, Inc.  
by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
(651) 408-9100  jdlehr@citlink.net
DRILLING LOG

Property: UMore Park Property

UTM Zone 15/NAD83/NAVD88
490,900.72 mE +/- 0.02 m 4,952,999.97 mN +/- 0.02 m
Elevation (ft.): 954.2 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Snow covered soybean stubble field at natural grade.

HOLE NO. A3000

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

Drilling Method: 9-inch flight auger
Started: 12/3/07 7:45 AM
Drilling Contractor: Braun Intertec
Completed: 12/3/07 9:30 AM
Drill Rig: CME-750
Logged By: J.D. Lehr

DRILLING & SAMPLING

Sampled Intervals

<table>
<thead>
<tr>
<th>Sampled Intervals</th>
<th>Total + #4 Sieve</th>
<th>+ 1.5 Inch to 3/4 Inch</th>
<th>1.5 Inch to 3/4 Inch to 3/4 Inch to #4 Sieve</th>
<th>Sample Weight (lbs)</th>
<th>Geo Interpretation</th>
<th>Economic Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.9</td>
<td>8.8</td>
<td>5.4</td>
<td>12.7</td>
<td>45.5</td>
<td>Loess</td>
<td>18.6% + #4</td>
</tr>
<tr>
<td>16.8</td>
<td>5.0</td>
<td>4.1</td>
<td>7.7</td>
<td>27.7</td>
<td>Superior lobe outwash</td>
<td></td>
</tr>
<tr>
<td>16.2</td>
<td>5.3</td>
<td>2.7</td>
<td>8.3</td>
<td>29.1</td>
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</tr>
<tr>
<td>8.8</td>
<td>1.6</td>
<td>1.8</td>
<td>5.5</td>
<td>28.2</td>
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<tr>
<td>19.1</td>
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<td>31.3</td>
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<tr>
<td>26.0</td>
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<td>7.9</td>
<td>13.8</td>
<td>29.2</td>
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<tr>
<td>15.6</td>
<td>6.0</td>
<td>4.5</td>
<td>11.1</td>
<td>25.7</td>
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<tr>
<td>15.3</td>
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<td>11.9</td>
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<td>5.4</td>
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<td>31.0</td>
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<td></td>
</tr>
</tbody>
</table>

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
DRILLING LOG

HOLE NO. AA0100

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
493,500.80 mE +/- 0.02 m 4,950,099.71 mN +/- 0.02 m
Elevation (ft.): 938.7 +/- 0.1 ft.
Ground Water Depth (ft.): 58.0
Ground Water Elevation (ft.): 880.7
Site: Plowed field at natural grade.

Drilling Method: 9-inch flight auger
Started: 10/26/07 2:30 PM
Completed: 10/26/07 4:00 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

Drilling & Sampling

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Gravel Per Run</th>
<th>Sampled Intervals</th>
<th>Total + #4</th>
<th>+ 1.5 Inch</th>
<th>+ 1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
<th>Geologic Interpretation</th>
<th>Economic Classification</th>
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</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>SAND</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>25.0</td>
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<tr>
<td>35.0</td>
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<td></td>
<td></td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
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</tr>
<tr>
<td>65.0</td>
<td>SAND</td>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Prepared for: ProSource Technologies, Inc.  by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  (651) 408-9100  jdlehr@citlink.net
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
493,503.06 mE +/- 0.02 m  
4,950,298.40 mN +/- 0.02 m  
Elevation (ft.): 940.3 +/- 0.1 ft.

Ground Water Depth (ft.): 59.0

Ground Water Elevation (ft.): 881.3

Site: Plowed field at natural grade.

---

**DRILLING LOG**

**HOLE NO. AA0300**

**Drilling Method:** 9-inch flight auger  
Started: 10/29/07 3:30 PM

**Drilling Contractor:** Braun Intertec

Completed: 10/29/07 4:50 PM

**Drill Rig:** CME-750

Logged By: J.D. Lehr

---

**DRILLING & SAMPLING**

<table>
<thead>
<tr>
<th>Graphic Log</th>
<th>Depth (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.0</td>
<td>15.2</td>
</tr>
<tr>
<td>10.0</td>
<td>4.0</td>
</tr>
<tr>
<td>15.0</td>
<td>9.3</td>
</tr>
<tr>
<td>20.0</td>
<td>2.0</td>
</tr>
<tr>
<td>25.0</td>
<td>22.6</td>
</tr>
<tr>
<td>30.0</td>
<td>17.2</td>
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<tr>
<td>35.0</td>
<td>27.4</td>
</tr>
<tr>
<td>40.0</td>
<td>35.1</td>
</tr>
<tr>
<td>45.0</td>
<td>16.5</td>
</tr>
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</table>

**Sample Runs**

<table>
<thead>
<tr>
<th>Sampled Intervals</th>
<th>Sampled intervals</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 inch to 3/4 inch</td>
<td>1.0</td>
</tr>
<tr>
<td>3/4 inch to #4 sieve</td>
<td>3.0</td>
</tr>
</tbody>
</table>

**Sample Results (%)**

<table>
<thead>
<tr>
<th>Sampled Intervals</th>
<th>Total + #4 Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5 inch to 3/4 inch</td>
<td>16.5 % + #4</td>
</tr>
<tr>
<td>3/4 inch to #4 sieve</td>
<td>16.5 % + #4</td>
</tr>
</tbody>
</table>

**Geologic Interpretation**

Loess

Superior lobe outwash

---

**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
(651) 408-9100  
jdlehr@citlink.net
DRILLING LOG

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County County, Minnesota

UTM Zone 15/NAD83/NAVD88
493,500.19 mE +/- 0.02 m 4,950,505.10 mN +/- 0.02 m
Elevation (ft.): 939.6 +/- 0.1 ft.
Ground Water Depth (ft.): 58.0
Ground Water Elevation (ft.): 881.6
Site: Alfalfa field at natural grade.

HOLE NO. AA0500

Drilling Method: 9-inch flight auger
Started: 10/30/07 3:15 PM
Drilling Contractor: Braun Intertec
Completed: 10/30/07 4:35 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

DRILLING & SAMPLING

<table>
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<tr>
<th>Depth (ft.)</th>
<th>Sample</th>
<th>Sampled Intervals</th>
<th>Gravel Per Drill Run</th>
<th>Gravel Per Drill Run</th>
<th>Total + #4</th>
<th>1.5 Inch to 3/4 Inch</th>
<th>1.5 Inch to 3/4 Inch</th>
<th>Sample Wt. (lbs)</th>
<th>Geologic Interpretation</th>
<th>Economic Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.9</td>
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</tr>
<tr>
<td>8.1</td>
<td>2.8</td>
<td>1.1</td>
<td>4.2</td>
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<tr>
<td>30.5</td>
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<tr>
<td>33.2</td>
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<td>29.9</td>
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<td>28.6</td>
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</tr>
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<td>28.4</td>
<td>4.8</td>
<td>5.5</td>
<td>18.2</td>
<td>24.6</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County County, Minnesota

**UTM Zone 15/NAD83/NAVD88**
- 493,499.61 mE ±/− 0.02 m
- 4,950,700.85 mN ±/− 0.02 m
- Elevation (ft.): 938.9 ±/− 0.1 ft.
- Ground Water Depth (ft.): 57.0
- Ground Water Elevation (ft.): 881.9
- Site: Alfalfa field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 10/30/07 1:55 PM  
**Completed:** 10/30/07 3:00 PM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr

**TEST RESULTS (%)**

<table>
<thead>
<tr>
<th>Sample Runs</th>
<th>Sampled Intervals</th>
<th>Test Results (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>10/30/07 1:55 PM</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>10/30/07 3:00 PM</td>
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</tr>
</tbody>
</table>

**Graphic Log**

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Graphic Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>TOPSOIL. Silty, black.</td>
</tr>
<tr>
<td>2.0</td>
<td>SILT. Brown.</td>
</tr>
<tr>
<td>5.0</td>
<td>SAND &amp; GRAVEL. Fine to medium sand, slightly dirty. Gravel to 2-1/2 inches.</td>
</tr>
<tr>
<td>10.0</td>
<td>SAND. Fine sand: Very minor trace gravel to 1-1/4 inches.</td>
</tr>
<tr>
<td>15.0</td>
<td>SAND. Fine to medium sand. Very minor gravel to 2-1/2 inches.</td>
</tr>
<tr>
<td>25.0</td>
<td>SAND. Fine sand. No gravel.</td>
</tr>
<tr>
<td>30.0</td>
<td>SAND &amp; GRAVEL. Fine to coarse sand. Gravel to 2 inches, mostly pea gravel.</td>
</tr>
<tr>
<td>35.0</td>
<td>SAND. Fine to coarse sand. Minor gravel to 1/2 inch.</td>
</tr>
<tr>
<td>40.0</td>
<td>SAND. Fine sand. Very minor trace gravel to 1-1/2 inches.</td>
</tr>
<tr>
<td>45.0</td>
<td>SAND. Fine to medium sand. Very minor gravel to 2 inches.</td>
</tr>
<tr>
<td>55.0</td>
<td>SAND. Very fine to fine sand, dirty. No gravel.</td>
</tr>
<tr>
<td>65.0</td>
<td>No samples taken.</td>
</tr>
</tbody>
</table>

No samples taken.

**Prepared for:** ProSource Technologies, Inc.
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Sampled Runs</th>
<th>Total + #4 Sieve</th>
<th>+ 1.5 Inch</th>
<th>3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
<th>Geologic Interpretation</th>
<th>Economic Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>TOPSOIL. Silty, black.</td>
<td>937.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Loess</td>
<td></td>
</tr>
<tr>
<td>5.0</td>
<td>SILT. Brown.</td>
<td>934.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Superior lobe outwash</td>
<td></td>
</tr>
<tr>
<td>10.0</td>
<td>SAND. Fine sand.  Very minor gravel to 1/2 inch.</td>
<td>929.4</td>
<td></td>
<td></td>
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<td>15.0</td>
<td>SAND. Fine sand.  Very minor gravel to 4-1/2 inches.</td>
<td>924.4</td>
<td></td>
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<td>20.0</td>
<td>SAND. Fine sand.  Very minor gravel to 1-1/4 inches.</td>
<td>919.4</td>
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</tr>
<tr>
<td>25.0</td>
<td>SAND. Fine sand.  No gravel.</td>
<td>914.4</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>SAND. Fine to coarse sand. Very minor gravel to 1/2 inch.</td>
<td>909.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.0</td>
<td>SAND. Fine sand.  Slightly dirty. Very minor gravel to 1 inch.</td>
<td>899.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46.0</td>
<td>SAND. Fine sand.  Slightly dirty. Minor gravel to 7 inches. Lower contact based on drill action.</td>
<td>893.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60.0</td>
<td>SANDSTONE. Very fine sand, white.</td>
<td>879.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No samples taken. Very little gravel.
### DRILLING LOG

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**
- 493,501.35 mE  
- 4,951,100.92 mN  
- 942.0  
- 0.1 ft.

**Elevation (ft.):** 942.0  
**Ground Water Depth (ft.):** Ground water not encountered  
**Ground Water Elevation (ft.):**

**Site:** Idle field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 11/1/07  
**Completed:** 11/1/07  
**Logged By:** J.D. Lehr  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750

---

**Drilling & Sampling**

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Total + #4 Sieve</th>
<th>+ 1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.9</td>
<td>0.7</td>
<td>3.2</td>
<td>11.0</td>
</tr>
<tr>
<td>20.7</td>
<td>1.7</td>
<td>3.9</td>
<td>15.1</td>
</tr>
<tr>
<td>33.1</td>
<td>6.0</td>
<td>12.3</td>
<td>14.8</td>
</tr>
<tr>
<td>43.0</td>
<td>11.3</td>
<td>13.2</td>
<td>18.4</td>
</tr>
<tr>
<td>27.0</td>
<td>5.2</td>
<td>3.8</td>
<td>17.9</td>
</tr>
<tr>
<td>32.3</td>
<td>10.0</td>
<td>6.5</td>
<td>15.9</td>
</tr>
<tr>
<td>22.2</td>
<td>0.0</td>
<td>4.2</td>
<td>18.0</td>
</tr>
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</table>

**Geologic Interpretation**

- Topsoil: Silty, black.
- Silk: Brown.
- Sand: Fine to medium sand, slightly dirty. Very minor trace gravel to 3/4 inch.
- Sandstone: Very fine sand, yellowish brown.

**Economic Classification**

- Loess
- Superior lobe outwash
- St. Peter Sandstone

---

No samples from interval 45 to 47 feet - displaced while drilling sandstone below.
DRILLING LOG

HOLE NO. AA1300

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
493,497.51 mE +/- 0.02 m 4,951,301.54 mN +/- 0.02 m
Elevation (ft.): 940.5 +/- 0.1 ft.
Ground Water Depth (ft.): 61.0
Ground Water Elevation (ft.): 879.5
Site: Idle field at natural grade.

Drilling Method: 9-inch flight auger
Started: 11/2/07 10:30 AM
Drilling Contractor: Braun Intertec
Completed: 11/2/07 12:10 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>TOPSOIL. Silty, black.</td>
</tr>
<tr>
<td>2.0</td>
<td>SILT. Brown.</td>
</tr>
<tr>
<td>5.0</td>
<td>SAND. Fine sand. Very minor gravel to 1 inch.</td>
</tr>
<tr>
<td>10.0</td>
<td>SAND. Fine to coarse sand. Very minor gravel to 1 inch.</td>
</tr>
<tr>
<td>20.0</td>
<td>SAND. Fine to medium sand. Minor gravel to 1-1/2 inches. Very rocky (drill action) from 24 to 25 feet.</td>
</tr>
<tr>
<td>25.0</td>
<td>SAND &amp; GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches. Very rocky (drill action) from 25 to 27 feet.</td>
</tr>
<tr>
<td>40.0</td>
<td>SAND. Fine to coarse sand. Minor gravel to 2 inches.</td>
</tr>
<tr>
<td>45.0</td>
<td>SAND &amp; GRAVEL. Fine to coarse sand. Gravel to 3-1/2 inches.</td>
</tr>
<tr>
<td>50.0</td>
<td>SAND. Fine to coarse sand. Minor gravel to 1-1/2 inches.</td>
</tr>
<tr>
<td>60.0</td>
<td>SAND. Very fine to fine sand, dirty. No gravel.</td>
</tr>
<tr>
<td>64.0</td>
<td>CLAY. Red.</td>
</tr>
<tr>
<td>65.0</td>
<td></td>
</tr>
</tbody>
</table>

Second attempt at this location 10 feet west of first attempt.
DRILLING LOG

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
mE +/- m mN +/- m
Elevation (ft.): +/- ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Idle field at natural grade.

Drilling Method: 9-inch flight auger
Drilling Contractor: Braun Intertec
Drill Rig: CME-750
Logged By: J.D. Lehr

TOPSOIL. Silty, black.
1.5 SILT. Brown.
2.5 SAND. Fine sand, dirty. No gravel.
5.0 SAND. Fine sand, slightly dirty. Very minor gravel to 1-1/2 inches.
10.0 SAND. Fine to coarse sand. Minor gravel to 2 inches.
15.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.
SAND. Fine sand. No gravel.
25.0
26.0 GRAVEL & SAND. Based on drill action.

Refusal in coarse gravel at 26 feet. No samples taken.

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Site: Snow covered grassy area next to airstrip, surface likely disturbed.

Small volume of sample from 45 to 65 foot interval due to large rocks knocking sample off of augers while tripping out.
**DRILLING LOG**

**HOLE NO. AA2700**

**Property:** UMore Park Property

**Location:** City of Rosemount & Empire Township, Dakota County County, Minnesota

---

**UTM Zone 15/NAD83/NAVD88**
493,501.76 mE +/- 0.02 m  4,952,700.08 mN +/- 0.02 m

**Elevation (ft.):** 938.2 +/- 0.1 ft.

**Ground Water Depth (ft.):** Ground water not encountered

**Ground Water Elevation (ft.):**

---

**Depth (ft.)**

- **4.5**
- **7.0**
- **10.0**
- **20.0**
- **25.0**
- **40.0**

**Fill.** Silty, sandy with very minor gravel to 1 inch.

**SAND.** Very fine sand, dirty. No gravel. Lower contact based on drill action.

**SAND.** Fine to medium sand. Very minor gravel to 1-1/2 inches.

**SAND.** Fine to medium sand. Very minor gravel to 2-1/2 inches.

**SAND.** Fine sand. No gravel.

**SILT.** Brown.

**No samples taken. Estimated less than 10 percent gravel from 7 to 20 feet.**
FILL. Silty, sandy with very minor gravel to 1 inch.

5.0 SAND. Very fine sand, dirty. No gravel.

10.0 SAND. Fine to coarse sand. Very minor gravel to 1 inch.

15.0 SAND. Fine to coarse sand. Very minor gravel to 3/4 inch.

SAND. Fine to medium sand. No gravel.

20.0 SAND. Fine to medium sand. Minor gravel to 2 inches.

25.0 SAND. Very fine sand, dirty. No gravel. Silt lenses present.

30.0 SILT. Brown to gray.

35.0 SAND. Very fine sand. No gravel.

40.0

T.D. 40 ft.

No samples taken. Estimated less than 10 percent gravel from 4 to 25 feet.
No samples taken. Estimated less than 10 percent gravel from 1.5 to 15 feet.
DRILLING LOG

HOLE NO. AA3300

Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
493,493.21 mE +/- 0.02 m 4,953,299.69 mN +/- 0.02 m
Elevation (ft.): 910.6 +/- 0.1 ft.
Ground Water Depth (ft.): 22.0
Ground Water Elevation (ft.): 888.6
Site: Snow covered grassy area at natural grade.

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Graphic Log</th>
<th>Geologic Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>TOPSOIL: Silty, black.</td>
<td>Loess</td>
</tr>
<tr>
<td>10.0</td>
<td>SILT: Brown. Lower contact based on drill action.</td>
<td>Superior lobe outwash</td>
</tr>
<tr>
<td>15.0</td>
<td>SAND: Fine sand. No gravel.</td>
<td>Lacustrine sediment</td>
</tr>
<tr>
<td>20.0</td>
<td>SAND: Fine to medium sand. No gravel.</td>
<td></td>
</tr>
<tr>
<td>25.0</td>
<td>SAND: Fine to medium sand. Very minor trace gravel to 1/2 inch.</td>
<td></td>
</tr>
<tr>
<td>30.0</td>
<td>SAND: Very fine to medium sand, slightly dirty. No gravel.</td>
<td></td>
</tr>
<tr>
<td>35.0</td>
<td>SILT: Clayey &amp; hard towards bottom of interval, brown.</td>
<td></td>
</tr>
</tbody>
</table>

No samples taken. Estimated less than 5 percent gravel from 10 to 32 feet.

Drilling Method: 9-inch flight auger
Started: 1/18/08 4:10 PM
Drilling Contractor: Braun Intertec
Completed: 1/18/08 5:00 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

Prepared for: ProSource Technologies, Inc.  by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

---

**UTM Zone 15/NAD83/NAVD88**  
496,114.51 mE +/- 0.02 m 4,951,191.26 mN +/- 0.02 m  
Elevation (ft.): 904.3 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):  

**Site:** Edge of inactive gravel pit approximately 25 feet below natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 11/28/07 3:55 PM  
**Completed:** 11/28/07 4:55 PM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr

---

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Graphic Log</th>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Sampled Runs</th>
<th>Sampled Wt. (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total + #4 Sieve</td>
<td>+ 1.5 Inch to</td>
<td>+ 3/4 Inch to</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1/2 Inch</td>
<td>3/4 Inch</td>
</tr>
</tbody>
</table>

---

### TEST RESULTS (%)

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>5.0</th>
<th>10.0</th>
<th>15.0</th>
<th>20.0</th>
<th>25.0</th>
<th>45.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.D. (ft.)</td>
<td>5</td>
<td>10</td>
<td>15</td>
<td>20</td>
<td>25</td>
<td>45</td>
</tr>
</tbody>
</table>

**SAND.** Fine to coarse sand, slightly dirty. Minor gravel to 1-1/2 inches.  

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 2-1/2 inches.  

**SAND.** Fine to coarse sand. Minor gravel to 2-1/2 inches.  

**SAND.** Fine to coarse sand. Minor gravel to 2 inches.  

**SAND.** Fine to coarse sand. Minor gravel to 2-1/2 inches.  

**SAND.** Very fine sand, dirty, iron stained from 25 to 35 feet. No gravel.

---

**UTM Zone 15/NAD83/NAVD88**  
496,114.51 mE +/- 0.02 m 4,951,191.26 mN +/- 0.02 m  
Elevation (ft.): 904.3 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):  

**UTM Zone 15/NAD83/NAVD88**  
496,114.51 mE +/- 0.02 m 4,951,191.26 mN +/- 0.02 m  
Elevation (ft.): 904.3 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):  

---

**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Property: UMore Park Property

**UTM Zone 15/NAD83/NAVD88**
496,101.71 mE +/- 0.02 m 4,951,429.43 mN +/- 0.02 m
Elevation (ft.): 922.6 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Corn stubble field at natural grade.

Drilling Method: 9-inch flight auger
Started: 11/28/07 8:35 AM
Drilling Contractor: Braun Intertec
Completed: 11/28/07 11:30 AM
Drill Rig: CME-750
Logged By: J.D. Lehr

**DRILLING & SAMPLING**

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Gravel Per Drill Action</th>
<th>Sampled Runs</th>
<th>Total + #4 Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.0</td>
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</tr>
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<tr>
<td>55.0</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**SAND.** Fine sand. Very minor trace gravel to 1-1/4 inches.

**SAND.** Fine to coarse sand. Minor gravel to 1-1/4 inches.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 1-1/4 inches. High percentage pea gravel.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 2-1/2 inches. High percentage pea gravel.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 1 inch. High percentage pea gravel.

**SAND.** Fine to coarse sand. Minor gravel to 1-3/4 inches.

**SAND.** Fine to coarse sand. Very minor gravel to 1 inch.

**SAND.** Fine to medium sand. Very minor gravel to 1 inch.

**SAND.** Fine sand. No gravel.

**SAND.** Fine to medium sand. Very minor trace gravel to 3/4 inch.

**TOPSOIL.** Silty, black.

**SILT.** Brown.

**SILT.** Brown.

**SAND.** Fine sand. Very minor trace gravel to 1 inch.

**SAND.** Fine to coarse sand. Minor gravel to 1-1/4 inches.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 1-1/4 inches. High percentage pea gravel.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 2-1/2 inches. High percentage pea gravel.

**SAND & GRAVEL.** Fine to coarse sand. Gravel to 1 inch. High percentage pea gravel.

**SAND.** Fine to coarse sand. Minor gravel to 1-3/4 inches.

**SAND.** Fine to coarse sand. Very minor gravel to 1 inch.

**SAND.** Fine to medium sand. Very minor gravel to 1 inch.

**SAND.** Fine sand. No gravel.

**SAND.** Fine to medium sand. Very minor trace gravel to 3/4 inch.

---

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

Drilling Method: 9-inch flight auger
Drilling Contractor: Braun Intertec
Drill Rig: CME-750
Logged By: J.D. Lehr

UTM Zone 15/NAD83/NAVD88
496,098.97 mE +/- 0.02 m 4,951,599.26 mN +/- 0.02 m
Elevation (ft.): 919.3 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

**DRILLING & SAMPLING**

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Sampled Runs</th>
<th>Total + #4 Sieve</th>
<th>+ 1.5 inch to 3/4 inch</th>
<th>+ 3/4 inch to #4 Sieve</th>
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<tbody>
<tr>
<td>918.3</td>
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<td>909.3</td>
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**TEST RESULTS (%)**

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<th>Total + #4 Sieve</th>
<th>+ 1.5 inch to 3/4 inch</th>
<th>+ 3/4 inch to #4 Sieve</th>
<th>Sampled Wt. (lbs)</th>
<th>Geostratigraphic Interpretation</th>
<th>Economic Classification</th>
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<td>34.0</td>
<td>5.3</td>
<td>7.7</td>
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<td>Superior lobe outwash</td>
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**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**Property:** UMore Park Property

**Drilling Method:** 9-inch flight auger

**Drilling Contractor:** Braun Intertec

**Drill Rig:** CME-750

**Logged By:** J.D. Lehr

**Sampled Intervals:**

- 918.3 ft.
- 917.3 ft.
- 914.3 ft.
- 909.3 ft.
- 904.3 ft.
- 900.3 ft.
- 899.3 ft.
- 895.3 ft.
- 894.3 ft.
- 893.3 ft.
- 889.3 ft.
- 884.3 ft.
- 879.3 ft.
- 874.3 ft.
- 869.3 ft.
- 864.3 ft.
- 859.3 ft.
- 854.3 ft.

**Sampled Wt. (lbs):**

- 10.6
- 0.0
- 3.0
- 7.7
- 34.9
- 30.8
- 6.1
- 9.1
- 15.5
- 35.7
- 34.0
- 5.3
- 7.7
- 21.1
- 40.7

**Geostratigraphic Interpretation:**

- Loess
- Superior lobe outwash

**Economic Classification:**

- 29.1 % #4

**Prepared for:** ProSource Technologies, Inc.

by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
**Property:** UMore Park Property  

**Location:** City of Rosemount & Empire Township, Dakota County County, Minnesota

**UTM Zone 15/NAD83/NAVD88**  
496,100.52 mE +/- 0.02 m 4,951,800.84 mN +/- 0.02 m  
Elevation (ft.): 922.0 +/- 0.1 ft.  
Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):  

**Site:** Snow covered corn stubble field at natural grade.

**Drilling Method:** 9-inch flight auger  
**Started:** 3/17/08 10:05 AM  
**Completed:** 3/17/08 11:45 AM  
**Drilling Contractor:** Braun Intertec  
**Drill Rig:** CME-750  
**Logged By:** J.D. Lehr

### DRILLING LOG

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Graphic Log</th>
<th>Gravel Per Drill Action</th>
<th>Sample Runs</th>
<th>Sampled Intervals</th>
<th>Total + #4</th>
<th>+ 1-1/2 Inch</th>
<th>1-1/2 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
<th>Geologic Interpretation</th>
<th>Economic Classification</th>
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<td>Topsoil</td>
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<td>23.3% + #4 Superior lobe outwash</td>
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<td>Silty clay</td>
<td>brown</td>
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<tr>
<td>5.0 ☐</td>
<td>Sand</td>
<td>Fine sand. Very minor trace gravel to 3/4 inch.</td>
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<tr>
<td>10.0 ☐</td>
<td>Sand</td>
<td>Fine to coarse sand. Minor gravel to 1-3/4 inches.</td>
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<tr>
<td>15.0 ☐</td>
<td>Sand &amp; Gravel</td>
<td>Fine to very coarse sand. Gravel to 1-1/2 inches.</td>
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<tr>
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<tr>
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</table>

Drilling Method: 9-inch flight auger  
**Location:** City of Rosemount & Empire Township, Dakota County County, Minnesota  
**Property:** UMore Park Property  
**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
(651) 408-9100  jdlehr@citlink.net

---

Sampled Intervals:
- 16.0
- 2.5
- 3.8
- 9.7
- 39.9

---

Sampled Intervals:
- 32.0
- 1.1
- 7.0
- 23.9
- 46.6

---

Sampled Intervals:
- 22.7
- 2.6
- 7.2
- 12.9
- 31.7

---

Sampled Intervals:
- 26.4
- 4.4
- 8.4
- 13.6
- 31.0

---

Sampled Intervals:
- 29.7
- 15.3
- 6.3
- 8.1
- 38.7

---

Sampled Intervals:
- 37.3
- 3.0
- 16.8
- 17.5
- 35.8

---

Sampled Intervals:
- 26.7
- 2.5
- 6.8
- 17.4
- 29.0

---

Sampled Intervals:
- 14.3
- 0.0
- 3.8
- 10.4
- 29.1

---

Sampled Intervals:
- 23.5
- 0.0
- 5.2
- 18.2
- 24.5

---

Sampled Intervals:
- 15.6
- 1.2
- 2.7
- 11.7
- 26.5

---

Sampled Intervals:
- 17.4
- 8.0
- 2.2
- 7.1
- 23.9

---

Sampled Intervals:
- 21.8
- 2.4
- 4.5
- 14.9
- 29.0

---

Sampled Intervals:
- 3/17/08 10:05 AM
- 3/17/08 11:45 AM
- J.D. Lehr

---

**Elevation (ft.):** 922.0 +/- 0.1 ft.  
**Ground Water Depth (ft.):** Ground water not encountered  
**Ground Water Elevation (ft.):**
Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
496,101.22 mE +/- 0.02 m 4,952,022.86 mN +/- 0.02 m
Elevation (ft.): 922.5 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Sampled Intervals</th>
<th>Total + #4 Sieve</th>
<th>1.5 Inch to 3/4 Inch</th>
<th>3/4 Inch to #4 Sieve</th>
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TEST RESULTS (%)

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### DRILLING LOG

**Property:** UMore Park Property  
**Location:** City of Rosemount & Empire Township, Dakota County, Minnesota

**UTM Zone 15/NAD83/NAVD88**

- 496,100.14 mE +/- 0.02 m  
- 4,952,199.34 mN +/- 0.02 m  
- Elevation (ft.): 922.1 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered  
Ground Water Elevation (ft.):

**Site:** Snow covered corn stubble field at natural grade.

---

#### DRILLING & SAMPLING

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<th>Sample Run</th>
<th>Gravel Per Drill Action</th>
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<th>Geologic Interpretation</th>
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<tr>
<td>Loess</td>
<td>Superior lobe outwash</td>
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<tr>
<td>25.4% #4</td>
<td>St. Peter Sandstone</td>
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</tbody>
</table>

---

**Prepared for:** ProSource Technologies, Inc.  
**by:** J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  
(651) 408-9100  
jdlehr@citlink.net
## DRILLING LOG

**HOLE NO. AAA2400**

### Property:
UMore Park Property

### Location:
City of Rosemount & Empire Township, Dakota County, Minnesota

### UTM Zone 15/NAD83/NAVD88
496,099.68 mE +/- 0.02 m, 4,952,402.35 mN +/- 0.02 m

Elevation (ft.): 919.3 +/- 0.1 ft.

Ground Water Depth (ft.): Ground water not encountered

Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

### DRILLING & SAMPLING

<table>
<thead>
<tr>
<th>Depth (ft.)</th>
<th>Sampled Intervals</th>
<th>Total + #4</th>
<th>+ 1.5 Inch to #4 Sieve</th>
<th>+ 3/4 Inch to #4 Sieve</th>
<th>Sample Wt. (lbs)</th>
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### TEST RESULTS (%)

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</table>

### Geologic Interpretation
- Superior lobe outwash
- 26.4 % + #4

### Economic Classification
- Loess

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Prepared for: ProSource Technologies, Inc.  by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025  (651) 408-9100  jdlehr@citlink.net
Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
496,101.70 mE +/- 0.02 m 4,952,605.22 mN +/- 0.02 m
Elevation (ft.): 927.8 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):

Site: Snow covered corn stubble field at natural grade.

1.5 TOPSOIL. Silty, black.

3.0 SILT. Brown.

5.0 SAND. Fine sand. Very minor trace pea gravel.

10.0 SAND. Fine to medium sand. Very minor gravel to 1-1/4 inches.

15.0 SAND. Fine to medium sand. Very minor gravel to 1 inch.

20.0 SAND. Fine sand. Very minor trace gravel to 1/2 inch.

25.0 SAND. Fine sand. No gravel.

30.0 SAND & GRAVEL. Fine to very coarse sand, slightly dirty. Gravel to 2 inches.

35.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.

40.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/4 inches.

45.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-3/4 inches.

50.0 SAND. Fine to very coarse sand. Minor gravel to 1-1/4 inches.

55.0 SAND. Fine to coarse sand. Minor gravel to 1 inch. Small sample volume.

60.0 T.D. 65 ft.

Drilling Method: 9-inch flight auger
Started: 3/19/08 10:30 AM
Drilling Contractor: Braun Intertec
Completed: 3/19/08 12:05 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Property: UMore Park Property

Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88
496,109.75 mE +/- 0.02 m 4,952,801.23 mN +/- 0.02 m
Elevation (ft.): 929.0 +/- 0.1 ft.
Ground Water Depth (ft.): Ground water not encountered
Ground Water Elevation (ft.):
Site: Edge of old Gopher Ordnance Works road slightly above natural grade.

Drilling Method: 9-inch flight auger
Started: 3/19/08 1:00 PM
Drilling Contractor: Braun Intertec
Completed: 3/19/08 2:20 PM
Drill Rig: CME-750
Logged By: J.D. Lehr

Sample Runs:
5 10 15 20 25 30 35 40 45 50 55 60 65

Total + #4
Sieve
1.5 inch to 3/4 inch
3/4 inch to #4 sieve
Sample Weight (lbs)

Graphic Log
Depth (ft.)
Sample Intervals

3/19/08 1:00 PM
3/19/08 2:20 PM
J.D. Lehr

Fill
Silty, sandy, gravelly.

Topsoil
Silty, black.

Silt
Brown. Lower contact based on drill action.

Sand
Fine sand. No gravel.

SAND. Fine sand. Very minor trace gravel to 1 inch.

Sand
Medium to very coarse sand. Gravel to 3-1/2 inches.

Sand & Gravel
Medium to very coarse sand. Minor gravel to 1 inch.

Sand
Fine to coarse sand. Minor gravel to 1 inch.

Sand & Gravel
Fine to coarse sand. Gravel to 1-1/4 inches.

Sand
Fine to coarse sand. Minor gravel to 1-1/4 inches.

SAND. Very fine to fine sand. No gravel.

T.D. 65 ft.

Prepared for: ProSource Technologies, Inc. by: J.D. Lehr, PG, 8679 243rd Street, Forest Lake, MN 55025 (651) 408-9100 jdlehr@citlink.net
Property: UMore Park Property

UTM Zone 15/NAD83/NAVD88
496,100.49 mE +/- 0.02 m  4,952,999.56 mN +/- 0.02 m
Elevation (ft.):  927.0 +/- 0.1 ft.
Ground Water Depth (ft.):  Ground water not encountered
Ground Water Elevation (ft.):
Site:  Snow covered plowed field at natural grade.

Location:  City of Rosemount & Empire Township, Dakota County, Minnesota

Drilling Method:  9-inch flight auger  Started: 2/12/08  9:50 AM
Drilling Contractor:  Braun Intertec  Completed: 2/12/08  11:05 AM
Drill Rig:  CME-750  Logged By:  J.D. Lehr

Drill log for Hole No. AAA3000:

1.5 TOPSOIL. Silty, black.

SILT. Brown. Lower contact based on drill action.

SAND. Fine to medium sand. Very minor trace gravel to 1 inch.

SAND. Fine sand. Very minor trace gravel to 1/2 inch.

SAND. Fine to very coarse sand. Very minor gravel to 1-1/2 inches, mostly pea gravel.

SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.

SAND. Fine to very coarse sand. Minor gravel to 1-1/4 inches.

SAND. Fine to very coarse sand. Very minor gravel to 1-1/4 inches.

SAND & GRAVEL. Fine to very coarse sand. Gravel to 2-1/2 inches.

SAND. Fine to very coarse sand. Minor gravel to 2-1/2 inches.

SAND. Fine to very coarse sand. Minor gravel to 3/4 inch, mostly pea gravel. Small sample volume.

SAND. Very fine to fine sand. No gravel.

Location:  City of Rosemount & Empire Township, Dakota County, Minnesota

Prepared for:  ProSource Technologies, Inc.
by:  J.D. Lehr, PG
8679 243rd Street, Forest Lake, MN 55025
(651) 408-9100  jdlehr@citlink.net
DRILLING LOG  HOLE NO. AAA3200  Page 1 of 1

Property: UMore Park Property  Location: City of Rosemount & Empire Township, Dakota County, Minnesota

UTM Zone 15/NAD83/NAVD88  Drilling Method: 9-inch flight auger

496,100.19 mE +/- 0.02 m  4,953,201.61 mN +/- 0.02 m  Started: 2/12/08 2:45 PM

Elevation (ft.): 926.7 +/- 0.1 ft.  Completed: 2/12/08 4:10 PM

Ground Water Depth (ft.): Ground water not encountered  Logged By: J.D. Lehr

Ground Water Elevation (ft.):

Site: Snow covered field at natural grade.

Drilling Contractor: Braun Intertec

Drill Rig: CME-750

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2.0 SILT. Brown.

5.0 SAND. Fine to coarse sand. Minor gravel to 1/2 inch.

10.0 SAND. Fine sand. Very minor gravel to 1 inch.

15.0 SAND. Fine sand. Minor gravel to 1-3/4 inches.

20.0 SAND & GRAVEL. Fine to coarse sand. Gravel to 2 inches.

25.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 2 inches.

30.0 SAND. Fine to coarse sand. Minor gravel to 2 inches.

35.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 2 inches.

40.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1 inch.

45.0 SAND & GRAVEL. Fine to very coarse sand. Gravel to 1-1/2 inches.

65.0 SAND. Very fine to fine sand. No gravel. High percentage gravel indicated by drill action from 45 to 53 feet. Deposit sampled above likely extends to 53 feet.

Topsoil is missing - surface must be disturbed.