



Project: Wells G & H Remedial Investigation  
 TDD No.: F1-8409-01  
 Sheet: 1 of 5  
 Hole No.: S77

Location: Aberjona Auto Parts (NE Corner)  
 Angle from Horiz. Vertical

Begun: 18 FEB 85  
 Completed: [ ]  
 Driller: NEBC  
 Drill Make & Model: Mobile B53  
 Hole Dia.: 3.5"  
 Overburden (ft): 138.5  
 Rock (ft): NA  
 Total Depth: 138.5

Core Recovery (ft): [ ]  
 Core Bxs: 2  
 Samples: 21  
 El. Top of Casing: [ ]  
 Ground El.: S77SS-44.56, S77D-44.89, S77S-44.73, S77M-44.69  
 Depth to Top of Rock: 130'

Sample Hammer Weight/Fall: 140 lbs/30"  
 Casing: Solid Sch 80 PVC 1.5" I.D., Screen 0.010 slot  
 NUS Inspector: Baldyga

| Depth | Sample No. | ROCK          |     | SOIL         |                     |             | Well Construction           | Stratum Description  | Notes |
|-------|------------|---------------|-----|--------------|---------------------|-------------|-----------------------------|--|-------|
|       |            | Core/Rec (in) | RQD | Pen/Rec (in) | Depth Interval (ft) | Blows/6"    |                             |  |       |
| 5     | 01         |               |     | 24/9         | 0-2                 | 9/6/10/8    | [Well Construction Diagram] | dk GR F/M SAND<br>S77SS Top of Ottawa Sand 7'<br>S77SS Top of screen 8'    |       |
|       | 02         |               |     | 24/10        | 5-7                 | 2/2/2/2     |                             |  |       |
| 10    | 03         |               |     | 24/18        | 10-12               | 4/4/5/6     | [Well Construction Diagram] | lt GR F SAND, TR Silt<br>S77SS Bottom of screen 13'                        |       |
|       | 04         |               |     | 24/24        | 15-17               | 2/2/7/8     |                             |  |       |
| 20    | 05         |               |     | 24/18        | 20-22               | 1/4/5/7     | [Well Construction Diagram] | lt BN F SAND, TR Silt<br>S77S Top of Ottawa Sand 23.5'                     |       |
|       | 06         |               |     | 24/18        | 25-27               | 6/2/2/13    |                             |  |       |
| 30    | 07         |               |     | 24/12        | 30-32               | 61/45/28/21 | [Well Construction Diagram] | S77S Bottom of screen 30'<br>Red - BN M/C SAND, SO F<br>SO F Sand, TR Silt |       |
|       |            |               |     |              |                     |             |                             |  |       |

| GRANULAR SOILS |          | PROPORTIONS |        | ABBREVIATIONS      |  |
|----------------|----------|-------------|--------|--------------------|--|
| Blows/Ft       | Density  | USED        |        |                    |  |
| 0-4            | V. Loose | Trace (TR)  | 0-10%  | F-Fine             |  |
| 4-10           | Loose    | Little (LI) | 10-20% | M-Medium           |  |
| 10-30          | M. Dense | Some (SO)   | 20-35% | C-Coarse           |  |
| 30-50          | Dense    | And         | 35-50% | F/M-Fine to Medium |  |
| >50            | V. Dense |             |        | F/C-Fine to Coarse |  |
|                |          |             |        | V-Very             |  |
|                |          |             |        | GR-Gray            |  |
|                |          |             |        | BN-Brown           |  |
|                |          |             |        | YEL-Yellow         |  |

- S77SS sealed in overburden with cement/bentonite slurry from 7' to GS.
- S77S sealed in overburden with cement/bentonite slurry from 23.5' to GS.





|                                    |            |        |          |
|------------------------------------|------------|--------|----------|
| Project                            | TDD No.    | Sheet  | Hole No. |
| Wells G & H Remedial Investigation | FI-8409-01 | 3 of 5 | S77      |
| Location                           |            |        |          |
| Aberjona Auto Parts                |            |        |          |

| Depth | ROCK       |               |     | SOIL         |                     |             | Well Construction | Stratum Description                     | Notes |
|-------|------------|---------------|-----|--------------|---------------------|-------------|-------------------|---|-------|
|       | Sample No. | Core/Rec (in) | RQD | Pen/Rec (in) | Depth Interval (ft) | Blows/6"    |                   |   |       |
| 70    | 15         |               |     | 24/24        | 70-72               | 35/30/22/27 |                   | M/C BN SAND<br>S77M Top of screen 70'   |       |
| 75    |            |               |     |              |                     |             |                   | S77M Bottom of screen 75'               |       |
| 80    | 16         |               |     | 24/24        | 80-82               | 33/38/30/21 |                   | 10" F/C SAND, 14" M/C GRAVEL, TR M Sand |       |
| 85    | 17         |               |     | 8/6          | 85-87               | 147.8       |                   | F/M GRAVEL, SO C Sand                   |       |
| 90    | 18         |               |     | 24/20        | 90-92               | 22/22/23/27 |                   | F/C SAND, TR Silt                       |       |
| 95    |            |               |     |              |                     |             |                   |   |       |
| 100   | 19         |               |     | 24/24        | 100-102             | 12/34/31/60 |                   | tan F silty SAND, very compact          |       |

REMARKS:



Project: Wells G & H Remedial Investigation  
 TDD No.: F1-8409-01  
 Sheet: 4 of 5  
 Hole No.: S77  
 Location: Aberjona Auto Parts

| Depth | ROCK       |               |     | SOIL         |                     |             | Well Construction | Stratum Description  | Notes |
|-------|------------|---------------|-----|--------------|---------------------|-------------|-------------------|--|-------|
|       | Sample No. | Core/Rec (in) | RQD | Pen/Rec (in) | Depth Interval (ft) | Blows/6"    |                   |  |       |
| 105   |            |               |     |              |                     |             |                   |  |       |
| 110   | 20         |               |     | 24/15        | 110-112             | 30/35/36/60 |                   | GR SILT, compact   |       |
| 115   | 21         |               |     | 24/24        | 115-117             | 14/22/31/46 |                   | GR SILT, compact   |       |
| 120   | 22         |               |     | 24/22        | 120-122             | 32/39/48/52 |                   | GR SILT, compact   |       |
| 125   |            |               |     |              |                     |             |                   |  |       |
| 130   | 23         |               |     | 24/0         | 130-132             | 4/6/38/27   |                   | No Recovery<br>S77D Top of Ottawa Sand 130'<br>S77D Top of screen 133.5'<br>NESTED BOULDERS<br>from 130' | 4     |
| 135   |            |               |     |              |                     |             |                   |  |       |

REMARKS:

4. S77D sealed in overburden with cement/bentonite slurry from 130' to GS.

