



**SOIL BORING LOG**

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ROUTE FA 742 DESCRIPTION P92-064-86 Retaining wall, IL 2 north of Mud Creek Road LOGGED BY W. Garza

SECTION 37 RS-3 LOCATION Rockvale Twp. - 28 NW. SEC. TWP. 24N. RNG. 10E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. \_\_\_\_\_  
Station \_\_\_\_\_  
BORING NO. B-30d  
Station 727+00  
Offset 26.00ft LI CL  
Ground Surface Elev. 683.10 ft (ft) (/6") (tsf) (%)

| DEPTH   | B      | L     | U   | M    | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.: |
|---|--------|-------|-----|------|---------------------|------------------|--------------------|
| (ft)  | (6")   | (tsf) | (%) |      | ft                  | ft               | ft                 |
| Shoulder 10" Asphalt                                  |        |       |     |      |                     |                  |                    |
| 881.10  |        |       |     |      |                     |                  |                    |
| STIFF dark gray SILTY CLAY LOAM                       | 2      |       | 1.7 | 25.0 |                     |                  |                    |
| 679.60  | 4      | B     |     |      |                     |                  |                    |
| MEDIUM brown SILTY CLAY LOAM with LIMESTONE fragments | 3      |       | 0.8 | 30.0 |                     |                  |                    |
| 677.10  | 9      | P     |     |      |                     |                  |                    |
| VERY DENSE tan weathered LIMESTONE                    | 10     |       |     |      |                     |                  |                    |
| Auger Refusal   | 100/1' |       |     |      |                     |                  |                    |
| 875.60  |        |       |     |      |                     |                  |                    |
| End of Boring   |        |       |     |      |                     |                  |                    |
| -10   |        |       |     |      |                     |                  |                    |
| -15   |        |       |     |      |                     |                  |                    |
| -20   |        |       |     |      |                     |                  |                    |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)



**SOIL BORING LOG**

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ROUTE FA 742 DESCRIPTION P92-064-86 Retaining Wall, IL 2 north of Mud Creek LOGGED BY J. Strating

SECTION 37 RS-3 LOCATION SEC. TWP. RNG.

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. \_\_\_\_\_  
Station 736+00  
BORING NO. B-1L  
Station 736+00  
Offset 14.00ft LI CL  
Ground Surface Elev. 683.00 ft (ft) (/6") (tsf) (%)

| DEPTH                                | B    | L     | U   | M | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.: |
|--------------------------------------|------|-------|-----|---|---------------------|------------------|--------------------|
| (ft)                                 | (6") | (tsf) | (%) |   | ft                  | ft               | ft                 |
| Soil Matrix                          |      |       |     |   |                     |                  |                    |
| 681.00                               |      |       |     |   |                     |                  |                    |
| 679.50                               |      |       |     |   |                     |                  |                    |
| 6.5' Auger Refusal                   | -5   |       |     |   |                     |                  |                    |
| 676.50                               |      |       |     |   |                     |                  |                    |
| Borehole continued with rock coring. |      |       |     |   |                     |                  |                    |
| -10                                  |      |       |     |   |                     |                  |                    |
| -15                                  |      |       |     |   |                     |                  |                    |
| -20                                  |      |       |     |   |                     |                  |                    |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)  
BBS, from 137 (Rev. 8-99)

|          |     |
|----------|-----|
| DESIGNED | JMW |
| CHECKED  | DFM |
| DRAWN    | CTH |
| CHECKED  | DFM |

*BORING LOGS*  
*STRUCTURE NO. 071-7004*

|              |                    |               |             |   |               |
|--------------|--------------------|---------------|-------------|---|---------------|
| SHEET NO. 22 | F.A.P. RTE. 742    | SECTION 37R-4 | COUNTY OGLE | TOTAL SHEETS 867                                | SHEET NO. 234 |
| 23 SHEETS    | CONTRACT NO. 64E17 |               |             | FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT |               |