IMPORTANT NOTICE: **Save all materials AFTER TESTING until further notice.**

NB-66

UD-1 Depth 4-6 ft 2.0 REC

1. UNIT WEIGHT FROM SHELBY TUBE + MOISTURE CONTENT D2216
2. D-5084 Hydraulic Conductivity + Unit Weight of Conductivity Specimen (8 PSI)
3. **One D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**

UD-2 Depth 7.5-9.5 ft 1.7 REC

1. UNIT WEIGHT FROM SHELBY TUBE + MOISTURE CONTENT D2216
2. **One D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**
3. **ONE** D 2435 CONSOLIDATION TESTS **0.1 TO 32 TSF USE SQUARE ROOT OF TIME REDUCTION**

UD-4 Depth 17-19 ft 1.7 REC

1. UNIT WEIGHT FROM SHELBY TUBE + MOISTURE CONTENT D2216
2. PINHOLE D-4647
3. **One D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**

UD-5 Depth 22-24 ft 2.0 REC

1. UNIT WEIGHT FROM SHELBY TUBE + MOISTURE CONTENT D2216
2. **ONE** D 2435 CONSOLIDATION TESTS **0.1 TO 32 TSF USE SQUARE ROOT OF TIME REDUCTION**
3. **One D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**

UD-6 Depth 27-29 ft 1.9 REC

1. UNIT WEIGHT FROM SHELBY TUBE + MOISTURE CONTENT D2216
2. PINHOLE D-4647
3. **ONE** D 2435 CONSOLIDATION TESTS **0.1** TO **32 TSF USE SQUARE ROOT OF TIME REDUCTION**
4. **One D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**

NB-74, 74A

9 - 5 gal buckets 80 percent full from below the "top soil" layer- Three **5 point** D 698 Laboratory Compaction Characteristics of Soil Using Standard Effort – at 90, 95, 98 - percent.

1. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854.**

UD-1, NB-74 Depth 7-9 ft 1.3 REC

1. MEASURE UNIT WEIGHT AND MOISTURE CONTENT D2216 FROM EACH SHELBY TUBE
2. UD-1, NB-74A Depth 8-10 ft 1.9 REC UNIT WEIGHT FROM SHELBY TUBE
3. + MOISTURE CONTENT
4. **ONE THREE POINT Q 2850** TRIAXIAL TEST Under **100 percent Saturation**
5. **(at least 10 psi confining pressure)**
6. **Unit weight of each Q Triaxial Test Specimens**

UD-2, NB-74 Depth 12-14 ft 1.3 REC UD-3,
NB-74A Depth 12-14 ft 1.9REC
UD-4, NB-74A Depth 14-16 ft 1.7 REC

1. **MEASURE UNIT WEIGHT AND MOISTURE CONTENT** D2216 **OF EACH SHELBY TUBE ABOVE (THREE)**
2. **First do ONE THREE POINT CU* 4767** R-BAR**(w pp measurements)*** TRIAXIAL TEST (3 VALID MOHR CIRCLES) **at least 20 psi confining pressure)**
3. **Measure unit weight of each CU Triaxial Test Specimen**
4. **Then do ONE THREE POINT Q 2850** TRIAXIAL TEST Under **100 percent Saturation**
5. **(at least 20 psi confining pressure)**
6. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the CU* triaxial test.**

UD-5, NB-74 Depth 27-29 ft 1.4 ft REC
UD-8, NB-74A Depth 25-27 ft 1.3 ft REC
UD-6, NB-74 Depth 32-34 ft 0.5 ft REC

1. MEASURE UNIT WEIGHT AND MOISTURE CONTENT D2216 FROM EACH SHELBY TUBE
2. **First do ONE THREE POINT CU* 4767** R-BAR TRIAXIAL TEST (3 VALID MOHR CIRCLES) **(at least 40 psi confining pressure)**
3. **Measure unit weight of each CU Triaxial Test**
4. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the CU* triaxial test**
5. Then try to do **ONE THREE POINT Q 2850** TRIAXIAL TEST Under **100 percent saturation (at least 40 psi confining pressure)**
6. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the Q triaxial test.**

*CU means with pore pressure measurement.

3- 5 gal buckets filled to 80 percent full - one **5 point** D 698 Laboratory Compaction Characteristics of Soil Using Standard Effort – at 90 percent.

UD-1, NB-73W Depth 10-12 ft 2.0 REC

1. MEASURE UNIT WEIGHT AND MOISTURE CONTENT D2216 FROM EACH SHELBY TUBE
2. D-5084 Hydraulic Conductivity , 15 PSI
3. **Measure unit weight D-5084 Specimen**
4. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the D-5084 Hydraulic Conductivity test**

UD-2, NB-73A Depth 30-32 ft 1.5 REC

1. MEASURE UNIT WEIGHT AND MOISTURE CONTENT D2216 FROM EACH SHELBY TUBE
2. D-5084 Hydraulic Conductivity, 30 PSI
3. Measure unit weight of D-5084 Test specimen
4. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the D-5084 Hydraulic Conductivity test**

UD-3, NB-73A Depth 40-42 ft 1.5 REC

1. MEASURE UNIT WEIGHT AND MOISTURE CONTENT D2216 FROM EACH SHELBY TUBE
2. D-5084 Hydraulic Conductivity, 60 PSI.
3. Measure unit weight of D-5084 Test specimen
4. **D422 Grain Size Analysis (with hydrometer and D1140 -200 Sieve + passing 0.002 mm to calculate Activity) + D4318 Atterberg Limits with 3 points for accuracy + moisture content D2216, + Specific Gravity D854 on all three specimens for the D-5084 Hydraulic Conductivity test**