

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.

NB-73A

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-73A 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**