## NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

## DIVISION OF HIGHWAYS

#### GEOTECHNICAL ENGINEERING UNIT

# WETRIC!

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# SUBSURFACE INVESTIGATION

ACCUMENT AND			
April   Company   Compan	TERMS AND DEFINITIONS		
Control   Cont	AGUIFER - A WATER BEARING FORMATION OR STRATA.  ARENACEOUS - APPLIED TO ROCKS THAT HAVE BEEN DERIVED FROM SAND OR THAT CONTAIN SAND.		
SOL ENGINE DA ABSTOL CASS (FETAL MATERIAL PROPERTY)  WHEN AND ADDRESS (FETAL MATERIAL PROPERTY)  FOR ADDRESS (FETAL			
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Company   Comp	JM OF SLOPE.		
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SILT-CLAY MATERIAL STEFF STO 15 10 TO 200 MATERIAL STEFF STO 16 10 TO 200 MATERIAL STEFF STO 15 10 TO 200 MATERIAL STEFF STO 16 10 TO 200 MATERIAL STEFF STO 15 10 TO 200 MATERIAL STEFF STO 16 10 TO 200 MATERIAL STEFF STO 16 TO 200 MATERIAL STEFF STO 17 10 SO MATERIAL STEFF STO 18 10 TO 200 MATERIAL STEFF STO 20 TO 200 MATERIAL STEFF STO 200 MATERIAL STEFF STO 200 MATERIAL STEFF STO 200 MATERIAL STEFF STO 200 MATERIAL STO 200 MATERIAL STEFF STO 200 MATERIAL S			
SUBSTANCE   STATE   SUBSTANCE   SUBSTANC			
TEXTURE OR GRAIN SIZE  U.S. STD. SEVE SIZE  4 10 48 60 288 278  SOUNDING ROD  GREATING THE PRESIDENCE SPY N.YALUE  SOUNDING ROD  GREATING REPORT RESURS.  SOUNDING ROD  GREATING R	OR		
US. STD. SIEVE SIZE  4 10 40 60 200 270  4.76 2.0 0.42 0.25 0.075 0.0853  DOULDER COBBLE GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND (SEC.) TOTAL LENGTH OF STRATA MATERIAL RECOVERED DIVIDED BY  GRAVEL SAND SAND (SIL.) (CL.)  GRAVEL SAND SAND SAND (SIL.	j kg HAMMER		
BOULDER COBBLE GRAVEL COARSE SAND SAND SAND SAND SAND SAND SAND SAND	ATION		
GRAIN MM 305 75 2.0 0.25 0.05 0.005	OTAL LENGTH		
GRAIN MM 305 75 2.0 0.25 0.005 0.005  SIZE IN. 12' 3'  SOIL MOISTURE - CORRELATION OF TERMS  SOIL MOISTURE - CORRELATION OF TERMS  SOIL MOISTURE SCALE (ATTERBERG LIMITS)  SOIL MOISTURE SCALE (SATE) - SATURATED - (SAT.)  LIOUID LIMIT  LIOUID LIMIT  LIOUID LIMIT  GRAIN MM 305 75 2.0 0.25 0.005 0.005  O.005  O.0			
SILE MOISTURE - CORRELATION OF TERMS  SOIL MOISTURE SCALE (ATTERBERG LIMITS)  SOIL MOISTURE BY HARD BLOWS OF THE DILATOMETER TEST DPT - DYNAMIC PENETRATION TEST (ATTERBERG LIMITS)  SOIL MOISTURE BY HARD BLOWS OF THE DILATOMETER TEST DPT - DYNAMIC PENETRATION	rers divided		
SOIL MOISTURE SCALE (ATTERBERG LIMITS)  SOIL MOISTURE SCALE (ATTERBERG LIMITS)  GUIDE FOR FIELD MOISTURE DESCRIPTION  GUIDE FOR FIELD MOISTURE DESCRIPTION  GUIDE FOR FIELD MOISTURE DESCRIPTION  F FINE  - SATURATED - (SAT.)  LIOUID LIMIT  LIOUID LIMIT  GUIDE FOR FIELD MOISTURE DESCRIPTION  GUIDE FOR FIELD MOISTURE DESCRIPTION  GUIDE FOR FIELD MOISTURE DESCRIPTION  F FINE  W - MOISTURE CONTENT  FROM MISTURE CONTENT  V VERY  FROM BELOW THE GROUND WATER TABLE  FOSS FOSS.LIFEROUS  V VERY  FRAGENTS  MED MEDIUM  FRAGENTS  MED MEDIUM  FINGERNAIL.  SOFT  CAN BE GROVED OR GOUGED READILY BY KNIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS  FROM CHIEFS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM BELOW THE GROUND AT STA. 18+09.550 1.946m LT LC182-  FROM BELOW LT LC182-  FROM BELOW THE GROUND WATER TABLE  FOSS FOSSILIFEROUS  V VERY  CAN BE GROVED OR GOUGED READILY BY KNIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS  PIECES CAN BE BROKEN BY FINGER PRESSURE.  CAN BE GROVED OR GOUGED READILY BY KNIFE OR PICK. CAN BE EXCAVATED IN FRAGMENTS  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FOR BENCH MARK: NAIL IN GROUND AT STA. 18+09.550 1.946m LT LC182-  FROM BELOW LT LC182-  FROM BELOW THE GROUND WATER TABLE  FOSSIL FROM LINITED TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETS  FOR BECOME TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FROM CHIPS TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK POINT, SMALL, THIN  FOR STATEMENT TO SEVERAL CENTIMETERS IN SIZE BY MODERATE BLOWS OF A PICK			
- SATURATED - USUALLY LIQUID; VERY WET, USUALLY FRAC FRACTURED VST - VANE SHEAR TEST  LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT LIQUID LIMIT SATURATED - USUALLY LIQUID; VERY WET, USUALLY FRAC FRACTURED VST - VANE SHEAR TEST VERY SOFT OR MORE IN THICKNESS CAN BE BROKEN BY FINGER PRESSURE. CAN BE SCRATCHED READILY BY MED MEDIUM  PIECES CAN BE BROKEN BY FINGER PRESSURE.  VERY SOFT OR MORE IN THICKNESS CAN BE BROKEN BY FINGER PRESSURE. CAN BE SCRATCHED READILY BY FINGERNAIL.			
(SAT.) FROM BELOW THE GROUND WATER TABLE  (SAT.) FROM BELOW THE GROUND W	.02m		
PILOS PILOTOPI			
(PD plastic limit			
AUTOMATIC MANUAL WIDE MORE TIME THICKLY BEDDED 0.55 - 1.m			
SL_ SHRINKAGE LIMIT MODERATELY CLOSE 30 TO 100 cm VERY THINLY BEDUED 10 - 50 mm			
REQUIRES ADDITIONAL WATER TO  - DRY - (D) ATTAIN OPTIMUM MOISTURE  BK-51  BK-51  203 mm HOLLOW AUGERS  - B  VERY CLOSE  LESS THAN 5 cm  THINLY LAMINATED  C 2.5 mm			
PLASTICITY NAME INDURATION			
PLASTICITY INDEX (P) DRY STRENGTH TUNG,-CARBIDE INSERTS			
NUMPLASTICITY 6-15 SLIGHT X CASING X W/ ADVANCER HAND TOOLS:			
MED. PLASTICITY 16-25 MEDIUM PORTABLE HOIST TRICONE MM STEEL TEETH POST HOLE DIGGER MODERATELY INDURATED GRAINS CAN BE SEPARATED FROM SAMPLE WITH STEEL PROBE; HIGH PLASTICITY 26 OR MORE HIGH			
COLOR OTHER TRICONE MEN TUNG, CARB, X HAND AUGER  SOUNDING, POD INDURATED GRAINS ARE DIFFICULT TO SEPARATE WITH STEEL PROBE;			
DESCRIPTIONS MAY INCLUDE COLOR OR COLOR COMBINATIONS (TAN, RED, YEL-BRN, BLUE-GRAY)  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER			
MODIFIERS SUCH AS LIGHT, DARK, STREAKED, ETC. ARE USED TO DESCRIBE APPEARANCE.  OTHER _			