

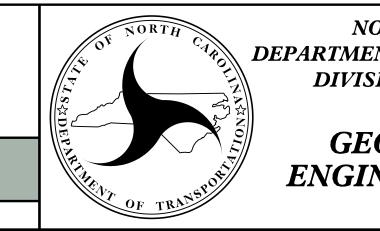
NOTES:

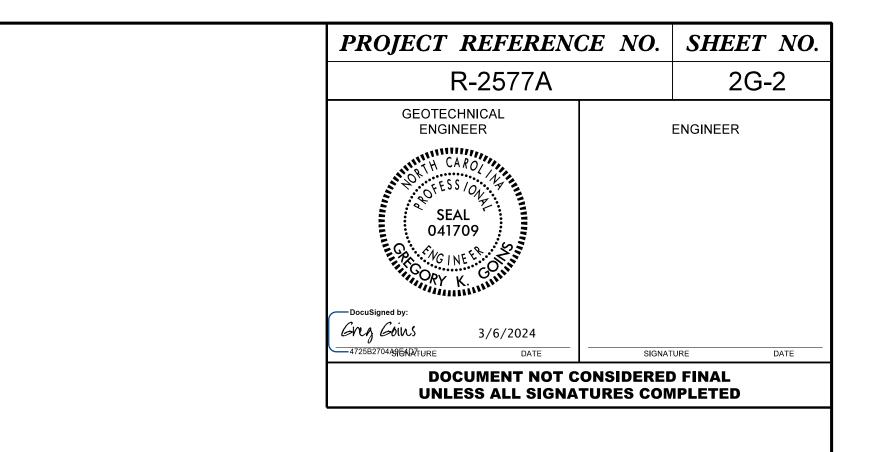
- 2. FOR STANDARD TEMPORARY WALLS.SEE STANDARD SHORING PROVISION.
- UNIT WEIGHT, $\gamma = 120 PCF$ FRICTION ANGLE, $\phi = 30$ DEGREES COHESION.c = O PSF

- OF STANDARD TEMPORARY WALLS WITH GEOTEXTILE REINFORCEMENT.
- THE ENGINEER.

MATERIAL TYPE	
BORROW	
FINE AGGREGATE	CLASS II,
COARSE AGGREGATE	CL

- CENTERED OVER GAPS IN THE REINFORCEMENT LAYER BELOW.
- BOTH OF THE FOLLOWING CONDITIONS OCCUR: - W (REINFORCEMENT ROLL WIDTH) ≥ (MINIMUM REQUIRED REINFORCEMENT LENGTH) + 4.5' AND - REINFORCEMENT STRENGTH IN CD ≥ MINIMUM REQUIRED REINFORCEMENT STRENGTH IN MD.
- CONSTRUCTION. STANDARD SHORING SELECTION FORMS ARE AVAILABLE FROM: connect.ncdot.aov/resources/Geological/Pages/Geotech Forms Details.aspx
- APPROVED.
- REINFORCEMENT AFTER CONSTRUCTING TEMPORARY WALLS.
- OR UTILITIES WILL INTERFERE WITH REINFORCEMENT.
- CORNERS AS DIRECTED BY THE ENGINEER.





I.-AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALLS AS NOTED IN THE PLANS.

3. STANDARD TEMPORARY WALLS ARE BASED ON THE FOLLOWING IN-SITU ASSUMED SOIL PARAMETERS:

4. DO NOT USE STANDARD TEMPORARY WALLS IF ASSUMED SOIL PARAMETERS ARE NOT APPLICABLE.

5. DO NOT USE STANDARD TEMPORARY WALLS WHEN VERY LOOSE OR SOFT SOIL OR MUCK IS BELOW TEMPORARY WALLS.

6. USE GROUNDWATER ELEVATION NOTED IN THE PLANS. IF NO GROUNDWATER ELEVATION IS SHOWN IN THE PLANS, ASSUME GROUNDWATER DEPTH IS LESS THAN 7' BELOW BOTTOM OF REINFORCED ZONE. DO NOT USE STANDARD TEMPORARY WALLS IF GROUNDWATER OR FLOOD ELEVATION IS ABOVE BOTTOM OF REINFORCED ZONE.

7. DO NOT USE A-2-4 SOIL FOR STANDARD TEMPORARY WALLS AROUND CULVERTS OR IN THE REINFORCED ZONE OF STANDARD TEMPORARY WALLS FOR SLOPE CASES. DO NOT USE CLASS VISELECT MATERIAL IN THE REINFORCED ZONE

8. WALL EMBEDMENT IS NOT REQUIRED FOR STANDARD TEMPORARY WALLS ON STRUCTURES OR ROCK AS DETERMINED BY

9. DO NOT USE MORE THAN 4 DIFFERENT REINFORCEMENT STRENGTHS FOR EACH STANDARD TEMPORARY WALL.

IO. GEOGRIDS FOR GEOGRID REINFORCEMENT ARE APPROVED FOR SHORT TERM DESIGN STRENGTHS (3-YEAR DESIGN LIFE) IN THE MD AND CD BASED ON MATERIAL TYPE. THE LIST OF APPROVED GEOGRIDS WITH DESIGN STRENGTHS IS AVAILABLE FROM: connect.ncdot.gov/resources/Geological/Pages/Products.aspx DEFINE MATERIAL TYPE FROM THE WEBSITE ABOVE FOR SHORING BACKFILL AS FOLLOWS:

> SHORING BACKFILL A-2-4 SOIL TYPE FOR CLASS III SELECT MATERIAL

LASS V OR VISELECT MATERIAL

II. FOR GEOGRID REINFORCEMENT WITH LESS THAN 100% COVERAGE.STAGGER REINFORCEMENT SO GEOGRIDS ARE

12. AT THE CONTRACTOR'S OPTION, REINFORCEMENT MAY BE INSTALLED WITH THE MD PARALLEL TO THE WALL FACE IF

13. SUBMIT A "STANDARD TEMPORARY WALL SELECTION FORM" AT LEAST 7 DAYS BEFORE STARTING TEMPORARY WALL

14. DO NOT PLACE SHORING BACKFILL OR REINFORCEMENT UNTIL EXCAVATION DIMENSIONS AND FOUNDATION MATERIAL ARE

15. FOR STANDARD TEMPORARY WALLS WITH PILE FOUNDATIONS IN THE REINFORCED ZONE.DRIVE PILES THROUGH

16. DO NOT SPLICE OR OVERLAP REINFORCEMENT SO SEAMS ARE PARALLEL TO THE WALL FACE.

17. CONTACT THE ENGINEER WHEN EXISTING OR FUTURE OBSTRUCTIONS SUCH AS FOUNDATIONS, PAVEMENTS, PIPES, INLETS

18. FOR STANDARD TEMPORARY WALLS WITH INTERIOR ANGLES LESS THAN 90 DEGREES, WRAP GEOSYNTHETICS AT ACUTE

19. FOR STANDARD TEMPORARY WALLS WITH TOP OF WALL WITHIN 5' OF FINISHED GRADE, REMOVE TOP FACING AND INCORPORATE TOP REINFORCEMENT LAYER INTO FILL WHEN PLACING FILL IN FRONT OF WALL.

> NORTH CAROLINA **DEPARTMENT OF TRANSPORTATION** DIVISION OF HIGHWAYS

STANDARD DETAIL NO. 1801.02

GEOTECHNICAL ENGINEERING UNIT

STANDARD **TEMPORARY WALL** SHEET 2 OF 3

DATE: 10-19-21