EXISTING GROUND SURFACE

FINISHED GRADE AT FACE OF WALL

PAYMENT LINE FOR UNCLASSIFIED EXCAVATION (SECTION 203).

EXCAVATION PHASE

GEOSYNTHETICALLY REINFORCED SOIL SYSTEM WALL SECTION IN CUT

BACKFILL PHASE

PAYMENT LINES FOR EMBANKMENT IN PLACE (SECTION 203).

PAYMENT LINES FOR SELECT STRUCTURAL FILL (SECTION 203).

PAYMENT LINES FOR STRUCTURE EXCAVATION (SECTION 206).

EXCAVATION PHASE

GEOSYNTHETICALLY REINFORCED SOIL SYSTEM WALL SECTION IN FILL

BACKFILL WITH MATERIAL MEETING THE REQUIREMENTS OF 733-14, SELECT STRUCTURAL FILL (SEE NOTES 3, 4, 5 & 6 ON SHEET 1 OF 6).
1. Primary reinforcing elements shall meet the requirements of NYSDOT Standard Sheet 713-07, Class III, Type C.

2. Geosynthetically reinforced soil systems shall be constructed in accordance with the standard sheet titled "Earthwork Transition and Benching Details".

3. Reinforcing elements shall be placed perpendicular to the facing, except where otherwise indicated.

4. Overlapping layers of reinforcing elements shall be separated by a minimum of 1.5D.

5. Backfill material shall be dumped onto, or placed parallel to the reinforcing elements, to the rear and middle of the reinforcing elements and bladed perpendicular to the reinforcing elements.

6. Reinforcing elements shall be pretensioned to remove any slack. Maintain the tensioning by staking or anchoring the reinforcing elements with backfill material.

7. Reinforcing elements shall be extended to form a continuous layer.

8. Reinforcing elements shall be placed parallel to the face, except where otherwise indicated.

9. Overlapping layers of reinforcing elements shall be separated by a minimum of 1.5D.

10. Reinforcing elements shall be extended to form a continuous layer.

11. Concentrated drainage must be diverted away from the structure.

12. Surface drainage must be diverted away from the structure.

13. Secondary reinforcing elements shall meet the requirements of NYSDOT Standard Sheet 713-07, Geotextile Stabilization, Class I.

14. Geosynthetically reinforced soil systems shall be constructed in accordance with the standard sheet titled "Earthwork Transition and Benching Details".

15. Any changes to geosynthetic design layout requires approval of the geotechnical engineering branch.

SLOPES - GENERAL NOTES AND DETAILS

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

554-02

EFFECTIVE DATE 05/05/11

554-02

554-02
FACING DETAILS

1. TREATED TIMBER FACING TO BE PAID FOR UNDER ITEM 554.3003, GEOSYNTHETICALLY REINFORCED SOIL SYSTEM WALL - TIMBERS.

2. TREATED TIMBERS ARE TO BE GRADED FOR AN EXTREME FIBER STRESS OF AT LEAST 1000 PSI CONFORMING TO THE PROVISIONS OF NTPL-14, STRESS GRADED TIMBERS, AND LUMBER, WITH THE FULL DIMENSION THICKNESS SHOWN ON THE PLANS. TIMBERS ARE TO BE TREATED IN ACCORDANCE WITH NTPL-14, WOOD PRESERVATIVE - WATERBORNE. TREATMENT TO BE APPLIED IN CONFORMANCE WITH AMERICAN WOOD PRESERVATIVE INDUSTRY (AWPA) USE CATEGORY DESIGNATION UC4B. ACCEPTABLE TIMBER LENGTHS ARE 8'-0" TO 12'-0".

3. TREATED TIMBERS SHALL BE SET AT A SLIGHT BACKWARD BATTER TO ASSURE CORRECT FINAL VERTICAL ALIGNMENT AFTER PLACEMENT AND COMPACTION.

4. PLACE ALL GEOGRID REINFORCEMENTS PERPENDICULAR TO THE WALL FACE.

5. PULL AND HOLD TIGHT THE GEOGRID AND GEOGRID/TIMBER CONNECTIONS UNTIL SUFFICIENT FILL IS PLACED OVER THE GRID TO MAINTAIN TENSION.

6. THE MAXIMUM COMPACTED LIFT THICKNESS IS 6".

7. USE PRIMARY GEOGRID REINFORCEMENT MEETING THE REQUIREMENTS OF NTPL-07 (TYP.). TREATED TIMBERS ARE TO BE PAID FOR UNDER ITEM 554.3003, GEOSYNTHETICALLY REINFORCED SOIL SYSTEM WALL - TIMBERS.

8. PRIMARY REINFORCEMENT WILL BE GEOTEXTILE. THE GEOGRID OPTION WILL NOT BE ACCEPTED.

NOTES:

1. TREATED TIMBER FACING TO BE PAID FOR UNDER ITEM 554.3003, GEOSYNTHETICALLY REINFORCED SOIL SYSTEM WALL - TIMBERS.

2. TREATED TIMBERS ARE TO BE GRADED FOR AN EXTREME FIBER STRESS OF AT LEAST 1000 PSI CONFORMING TO THE PROVISIONS OF NTPL-14, STRESS GRADED TIMBERS, AND LUMBER, WITH THE FULL DIMENSION THICKNESS SHOWN ON THE PLANS. TIMBERS ARE TO BE TREATED IN ACCORDANCE WITH NTPL-14, WOOD PRESERVATIVE - WATERBORNE. TREATMENT TO BE APPLIED IN CONFORMANCE WITH AMERICAN WOOD PRESERVATIVE INDUSTRY (AWPA) USE CATEGORY DESIGNATION UC4B. ACCEPTABLE TIMBER LENGTHS ARE 8'-0" TO 12'-0".

3. PRIMARY REINFORCEMENT WILL BE GEOTEXTILE. THE GEOGRID OPTION WILL NOT BE ACCEPTED.