RETAINING WALL PROFILE
GRID TYPE - MIRAFI 3XT OR EQUIV.
GRID LENGTH - 5.5 FT.
PART 1: GENERAL

1.01 Description
A. Work shall consist of furnishing and constructing of a KEYSTONE Com- pany Waterproof Retaining Wall System in accordance with the Contractor's construction drawings and in substantially conformance with the plans, grades, design, and specifications.

B. Work includes preparing foundation soil, furnishing and installing backing, post, unit, drain, fill, and the like as shown and designated on the drawings.

C. Work includes furnishing and installing geotextile non-woven reinforcement of the type, size, location, and length designated on the construction drawings.

1.02 Reference Documents
A. American Standard for Testing and Materials (ASTM)
   1. C140: Sampling and Testing Concrete Masonry Units
   2. C150: Specification for Dry-Cast Retaining Wall Units
   3. C230: Flange Properties of Fiber Reinforced Polymer Reinforcement
   5. D2162: Liquid Limit and Plastic Limit and Plasticity Index of Soils
   6. D477: Horizontal Shear Strength of Polytetrafluoroethylene Plastic Rods
   7. D4950: Flexural Properties of Fiber Reinforced Polymer Reinforcement
   10. D5621: Evaluation of Installation Damage of Geosynthetics
   12. D6406: Connection Strengthen - ReinforcedGeosyntheticMaterial
   14. D6969: Shear Strength Between Segmental Concrete Units
   15. American Association of State Highway and Transportation Officials (AASHTO)
      1. M 228: Corrugated Polypropylene Drainage Pipe
   16. Geosynthetic Research Institute (GRI)
      1. 150-60: Determination of the Long Term Design Strength of Geosynthetic
   17. National Concrete Masonry Association (NCMA)
      1. GM1-1 Method for Determining Connection Strength of BWB Units
      2. GM2-02: Test Method for Determining of the Long Term Design Strength of Fused Glass Beads
   18. Delma: Storage, Delivery and Handling
A. Contractor shall check all materials upon delivery to assure that the proper type, grade, color, and certification has been furnished.
B. Contractor shall protect all materials from damage due to plastic or cardboard and in accordance with manufacturer’s recommendations. Damaged materials shall be returned to the supplier to be replaced as necessary.

2.01 Definition
A. Modular Unit便是 a unit, container wall element manufactured from preformed cement, wall, and aggregates.
B. Geosynthetic is a structural element formed by a network of integrally continuous reinforcing elements, such as a non-woven geotextile, geogrid or geomembrane, that are manufactured using any one of the following processes: calendaring, matting, or weaving together, or combining, or fixed connections between short pieces of geogrid or geotextile wall elements to form an assembly.
C. Unit Drainage Fill - drainage aggregate, which is placed within and immediately behind the modular concrete units.
D. Reinforced Retaining Wall is that which is placed within the subgrade soil as outlined on the plans.

NOTE: SHEET 33 ADDED TO SHOW RETAINING WALL DETAILS.