GENERAL NOTES

DESIGN CRITERIA:
1. The attached details are based on the assumptions that the material within the reinforced volume, methods of construction and quality of prefabricated components meet T&B Structural Systems Specification for Retaining Wall Systems.

2. Minimum Design Parameters
   Reference wall control drawings for soil characteristics of foundation material to be used in the design of the wall system. The contractor shall provide soil design parameters for future material based on actual soil characteristics utilized in the site. The values of the internal friction angle, phi, the cohesion, c, and the unit weight, gamma, shall be provided in the shop drawings.

FACTORS OF SAFETY:

   EXTERNAL STABILITY
   - Overturning: 2.0
   - Bearing Pressure: 2.5

   INTERNAL STABILITY
   - Overall Stability: 1.5
   - Internal Stability: 2.5
   - Pullout: 2.5
   - Steel Rebar Stress: 0.48 f_y
   - Service Life: Greater than 3 years or duration of contract
   - Live Load Surcharge: 200 psf

3. The maximum applied bearing pressure at the interface of the foundation and wall backfill. Material is shown in the Calculations. The bearing pressure shown is the maximum for the over base but length. It is the responsibility of others to determine that the bearing pressure is allowable for that location.

4. Any unstable foundation material below the reinforced volume as determined by the engineer shall be excavated and replaced with suitable material as directed by the engineer.

5. The design contained on these drawings are based on information provided by others on the basis of this information, T&B Structural Systems is responsible for the internal stability of the structure only, external stability, including foundation and slope stability is the responsibility of others.

WALL CONSTRUCTION:
1. Walls founded on curvilinear sides shall have their panels dimensioned as a series of short spans to dimensional in order to match the required panel thickness.

2. For location and alignment of the wall structures reference the retaining wall elevation drawings.

3. If piles are located within the reinforced volume they shall be driven prior to construction of the wall unless an alternate method is used to stabilize the columns from the reinforced volume as directed by the engineer.

4. Backfill material shall be compacted in accordance with section 10 no soil reinforcement shall be attached to any panel before the backfill is placed at the required elevation and is compacted.

5. Structures greater than 30 feet shall have the finished grade placed and compacted at the front face of the structure before the structure height exceeds 90 percent of finished grade 10"-180 unless otherwise directed by the engineer.

6. IF EXISTING OR FUTURE STRUCTURES ARE TO BE PLACED IN THE REINFORCED VOLUME THAT INTERFERE WITH THE PROPER PLACEMENT OF THE SOIL REINFORCEMENT THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR A COURSE OF ACTION.

7. The following materials are supplied by T&B Structural Systems Inc.
   - welded wire facing panels and soil reinforcing grid
   - geotextile panels
   - cap mats
   - geogrids
   - nonwoven geotextile filter fabric

8. ANY OTHER MATERIAL REQUIRED TO BUILD THE WALL STRUCTURES ACCORDING TO THE GOVERNING SPECIFICATION SHALL BE SUPPLIED BY THE CONTRACTOR.

9. TB STRUCTURAL SYSTEMS INC. SURVEYED MECHANICALLY STABILIZED EARTH STRUCTURAL COMPONENTS FOR USE WITH THIS MELTED WIRE WALL SYSTEM FOR THE REINFORCED SOIL SYSTEM.

10. TB STRUCTURAL SYSTEMS INC. IS A GENERAL CONTRACTOR FOR CONSTRUCTING THE MELTED WIRE WALL SYSTEM, QUALITY CONTROL PROCEDURES, TESTING PROCEDURES, MATERIAL HANDLING AND SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THIS CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION TO CONFORM TO THE INSTALLATION SPECIFICATIONS AND ALL LAWS OF THE GOVERNING STATE.
TBSS CLAIMS ALL PROPRIETARY RIGHTS TO ALL DRAWINGS, SPECIFICATIONS AND METHODOLOGIES CONTAINED HEREIN. THE USE OF THIS INFORMATION IS RESTRICTED TO APPROPRIATE PROJECTS THAT IT WAS PREPARED FOR. NO REPRODUCTION, IN PART, OR IN WHOLE, MAY BE MADE WITHOUT WRITTEN PERMISSION FROM TBSS.
T&B STRUCTURAL SYSTEMS, INC.
ENGINEERED STRUCTURES

5 OF 5

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
RETAINING WALL SYSTEMS
T&B STRUCTURAL SYSTEMS, INC.
GABION WIRE WALL

DATE: 01-01-05

NOTE: MB CAPABLE OF BEING USED AS TOP OR BASE LOCATION OF LAYER OF WIRE FOR GABION WALLS.
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TYPICAL ELEVATION THROUGH PENETRATION
RECOMMENDED INSTALLATION PROCEDURE

TYPICAL PLAN VIEW THROUGH PENETRATION
RECOMMENDED INSTALLATION PROCEDURE

TYPICAL SECTION THROUGH PENETRATION
RECOMMENDED INSTALLATION PROCEDURE

TYPICAL SECTION AT PARALLEL OBSTRUCTION
RECOMMENDED INSTALLATION PROCEDURE

TYPICAL PLAN VIEW AT MB
RECOMMENDED INSTALLATION PROCEDURE

TYPICAL SECTION AT GABION SPIRAL TIE
RECOMMENDED INSTALLATION PROCEDURE

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