NOTES
SPECIFICATIONS:
1.  General Specifications:

DESIGN CRITERIA:
1.  Design is based on the assumption that the material contained within the reinforced soil volume, methods of construction and quality of prefabricated materials are in accordance with Specification Section 548 and Chapter 3 of the FDOT Structures Design Guidelines.
2.  It is the responsibility of the Engineer of Record to determine that the maximum factored bearing pressure shown for the wall does not exceed the factored bearing resistance of the foundation for that specific wall location.
3.  The Contractor is responsible for internal stability of the wall.  External stability design, including Foundation and slope stability, is the responsibility of the Engineer of Record.
4.  If there are manholes and/or drop inlets present, design and analysis for both internal and external stability shall be considered.

SOIL PARAMETERS:
1.  See Wall Control Drawings for soil characteristics of foundation material to be used in the design of the wall system.
2.  The Contractor will provide soil design parameters for backfill material based on the actual soil characteristics utilized at the site.

MATERIALS:
1.  Concrete Class: See Wall Control Drawings.
2.  See Specification Section 548 for material requirements.
3.  For additional material requirements see the Wall Company’s General Notes.

CONSTRUCTION:
1.  Walls will be constructed in accordance with Specification Section 548 and the Wall Company’s instructions.
2.  For location and alignment of retaining walls, see Wall Control Drawings.
3.  If present, consider in design and analysis and locate manholes and drop inlets as shown on wall elevations.
4.  Refer to Wall Control Drawings of individual walls for minimum reinforcement strip/mesh length, factored bearing resistances, minimum wall embedment and anticipated long term and differential settlements.
5.  The Contractor is responsible for controlling water during storm events as needed during construction.
6.  It is the Contractor’s responsibility to determine the location of any guardrail posts behind retaining wall panels.  Prior to placement of the top layer of soil reinforcement, individual reinforcing strip/mesh may be skewed (15° maximum) to avoid the post locations if authorized by the Engineer.  Any damage done to the soil reinforcement due to installation of the guardrail will be repaired by the Contractor at the Contractor’s expense.  Repair methods will be approved by the Engineer.
7.  If existing or future structures, pipes, foundations or guardrail posts within the reinforced soil volume interfere with the normal placement of soil reinforcement and specific directions have not been provided on the plans, the Contractor will notify the Engineer to determine what course of action shall be taken.
8.  The Contractor is responsible for gradually displacing upper layer(s) of soil reinforcement downward (15° maximum from horizontal) to avoid cutting soil reinforcement and conflicts with paving and subgrade preparation. The Contractor’s attention is directed especially to situations where roadway super-elevation and/or soil mixing are anticipated.

For concrete facing panel surface treatment, see Wall Control Drawings.  

FDOT MSE RETAINING WALL CLASSIFICATION TABLE

<table>
<thead>
<tr>
<th>Applicable FDOT Wall Type</th>
<th>Concrete Cover (in.)</th>
<th>Concrete Class for Panels</th>
<th>Pozzolan Additions**</th>
<th>Soil Reinforcement Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 2A</td>
<td>2</td>
<td>II</td>
<td>No</td>
<td>Metal</td>
</tr>
<tr>
<td>Type 2B</td>
<td>2</td>
<td>IV</td>
<td>No</td>
<td>Metal</td>
</tr>
<tr>
<td>Type 2C</td>
<td>3</td>
<td>IV</td>
<td>No</td>
<td>Metal</td>
</tr>
<tr>
<td>Type 2D</td>
<td>3</td>
<td>IV</td>
<td>Yes</td>
<td>Metal</td>
</tr>
<tr>
<td>Type 2E</td>
<td>3</td>
<td>IV</td>
<td>No</td>
<td>Plastic</td>
</tr>
<tr>
<td>Type 2F</td>
<td>3</td>
<td>IV</td>
<td>Yes</td>
<td>Plastic</td>
</tr>
</tbody>
</table>

* See Data Table in Contract Plans.
** Silica fume, metakaolin or ultrafine fly ash.

TYPICAL MSE RETAINING WALL SECTION WITH A TRAFFIC RAILING
(Showing Limits of the Reinforced Soil Volume)

GENERAL NOTES AND DETAILS