### Drainage System

1. The upper two layers of soil reinforcement shall be extended 3 feet beyond behind the wall.
2. Anchorage reinforcement shall be spaced to avoid roadway drop inlet horizontal obstructions in reinforced soil mass, see FHWA-NHI-10-024, Section 5.4.2. Show detail layout on the drawings. For wall designs with cut/bend in the field to avoid the obstruction.
3. The splay angle should be less than 15° and tensile capacity of splayed elements by at least 3 inches.

### General Notes Cont.

- Quantities removed based on the soil reinforcement length and design selected.
- Contract excavation quantities will be paid regardless of any actual quantities.
- Soil reinforcement length may vary based upon the wall design selected by the contractor. Plan excavation quantities will be paid regardless of any actual quantities are based on a soil reinforcement length of __ ft. The soil quantities are based on a soil reinforcement length of __ ft. The soil quantities may vary based upon the wall design selected by the contractor.

### MSEW_02.dgn

**Effective: Sept. 2020**

**Supersedes: Aug. 2019**

**Drainage System**

- Minimum (48") Filtration material shall be placed behind the wall.
- Minimum embedment shall be provided in accordance with AASHTO M-135-03.

### General Notes

- Concrete
- Post and Fence
- 2" Pipe

**Sec 1010**

**Concrete**

- TYPICAL SECTION THRU LARGE BLOCK WALL
- 6" (Min.)

**Sec 1011**

- **Reinforcement**
- **Select Granular Backfill**
- **Granular Backfill**
- **Finished Ground Line**
- **Modified Type A B**

**Sec 1012**

- **Reinforced Coping**
- **Soil Reinforcement**
- **Separation Geotextile**

### General Notes

- Quantities removed based on the soil reinforcement length and design selected.
- Contract excavation quantities will be paid regardless of any actual quantities.
- Soil reinforcement length may vary based upon the wall design selected by the contractor. Plan excavation quantities will be paid regardless of any actual quantities are based on a soil reinforcement length of __ ft. The soil quantities are based on a soil reinforcement length of __ ft. The soil quantities may vary based upon the wall design selected by the contractor.

### Polyethylene Backfill

- Minimum __ diameter perforated PVC or PE pipe.

### Details for Generic MSE Wall

- TYPICAL SECTION THRU LARGE BLOCK WALL SHOWING FILTER CLOTH

### MSE Wall Engineer

- The engineer shall include a table on shop drawings showing range of acceptable theta (β) angles the must be provided by the manufacturer. The dowels shall be field trimmed to clear the slope excavation line and separation geotextile shall be attached to the wall by panel joints.

### MSE Wall Dowels

- The slope excavation line shall be benched and separation geotextile shall be attached to the wall by panel joints. The dowels shall be field trimmed to clear the slope excavation line.

### MSE Wall Design

- The slope excavation line shall be benched and separation geotextile shall be attached to the wall by panel joints. The dowels shall be field trimmed to clear the slope excavation line.
- The slope excavation line shall be benched and separation geotextile shall be attached to the wall by panel joints. The dowels shall be field trimmed to clear the slope excavation line.

### MSE Wall Height

- Use for MSE wall heights of 10 feet or more in seismic area.

### MSE Wall Orientation

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Design

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Specifications

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Construction

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Details

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Materials

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.

### MSE Wall Drawings

- Use for MSE Walls when there may be contact between structural systems meeting the requirements of Section 1010.