The engineer shall be notified of the need for anchor components. MSE backfill shall be placed with the top of the wall, ensuring alignment at the connection. The wall panel height is defined as the length from the top of the concrete footing to the top of the wall panel. The maximum allowable wall panel height is 30'.

**MSE WALL WIRE FACING 1**

**BUREAU OF STRUCTURES**

**MSE WALL WIRE FACING 1**

**BILL OLIVA**

**DATE:**

**STANDARD 14.12**

**WALL PANEL ANCHOR DETAIL**

CAST-IN-PLACE CONCRETE TRAFFIC BARRIER SHOWN

CAST-IN-PLACE CONCRETE TRAFFIC BARRIER SIMILAR

**WALL PANEL DETAIL**

PRECAST CONCRETE

PRESTRESSED

CONCRETE WALL PANEL

TOP OF WALL

BASKETBALL TO BE COMPLETE AFTER INSTALLATION OF WALL PANEL

WIRE BACKFILL

COUPLER (GALV.) TURNBUCKLE OR CLEARANCE

CLEVIS TO BE INSTALLED TOWARDS THE TOP OF THE SLOTTED HOLE, 1" ROD TO BE 2'-0" MIN. BELOW TOP OF REINFORCED SOIL ZONE.

FILL IN FRONT OF DEADMAN ANCHOR PRIOR TO WALL PANEL ERECTION.

CAPACITY OF ANCHOR ASSEMBLY. MINIMUM OF 3'-0" OF COMPACTED MSE BACKFILL.

LEGEND

- CONTRACTOR TO DESIGN DETAILS TO PROVIDE REQUIRED HORIZONTAL CAPACITY OF ANCHOR ASSEMBLY MINIMUM OF 2'-0" PER WALL PANEL.

- CLEARANCE TO BE INSTALLED TOWARDS THE TOP OF THE SLOTTED HOLE. CLEARANCE PRESTRESSED WALL PANELS DESIGNED TO ALLOW FOR SETTLEMENT OF THE WIRE FACED MSE WALL.

- MULTIDIRECTIONAL CONNECTOR MAY BE USED TO FACILITATE ASSEMBLY AT THE CONNECTION.

- INCLUDES CONCRETE FOR COPING, FOOTING, AND DEADMAN ANCHOR.

**MATERIAL PROPERTIES**

CONCRETE MASONRY RETAINING WALLS:

- (fy = 3,500 PSI)

- (fy = 5,000 PSI)

BAR STEEL REINFORCEMENT:

- GRADE 60:

- GRADE 50:

**DESIGNER NOTES**

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