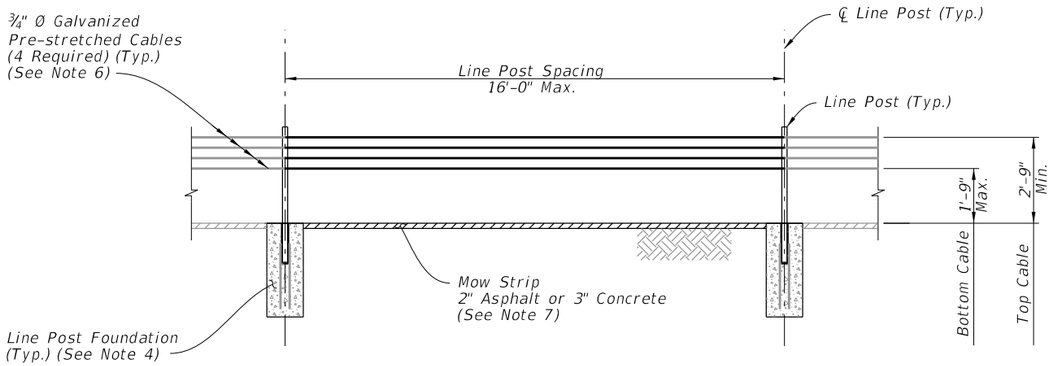


GENERAL HTCB - ELEVATION VIEW

GENERAL NOTES:

1. GENERAL: The drawings shown are schematic only, providing general geometry and component requirements for High Tension Cable Barrier (HTCB) designs listed on the Department's Innovative Products List (IPL) website. HTCB systems consist of a General HTCB segment between Begin/End Length of Need and End Terminal Assemblies outside the Length of Need. The line post spacing, cable heights, foundation depths, and overall length will vary by manufacturer. Do not install or connect components from more than one type of proprietary HTCB within the same run of barrier.

   Install HTCB End Terminal Assemblies, Foundations, and General HTCB Segments in accordance with Specification Section 540, the Roadway Plans, Shop Drawings, and the manufacturer's instructions.

2. HARDWARE: HTCB hardware, including but not limited to line posts, socket sleeves, turnbuckles, terminal fittings, terminal anchorage devices, cable-to-line post connectors, and splice fittings may vary by manufacturer. Install only hardware approved by the manufacturer. Do not use different types of proprietary hardware without prior approval from the Engineer.

3. END TERMINAL ASSEMBLY: End Terminal Assemblies consist of either a single anchor foundation or individual foundations for each of the four cables and may vary in length by manufacturer. The End Terminal Anchor Foundation location(s) may vary from that shown in the Plans. Install end terminal assemblies outside the limits of the Length of Need. See the Plans for the Begin/End Length of Need locations.

   See Sheet 2 for End Terminal Assemblies, Begin/End Length of Need locations, and Mow Strip limits. See the Shop Drawings for project specific End Terminal Assembly geometry.

4. LINE POST FOUNDATIONS: See Shop Drawings for Line Post Foundation details. Site specific line post foundation designs are required for soil conditions not meeting the minimum criteria included in Specification Section 540.

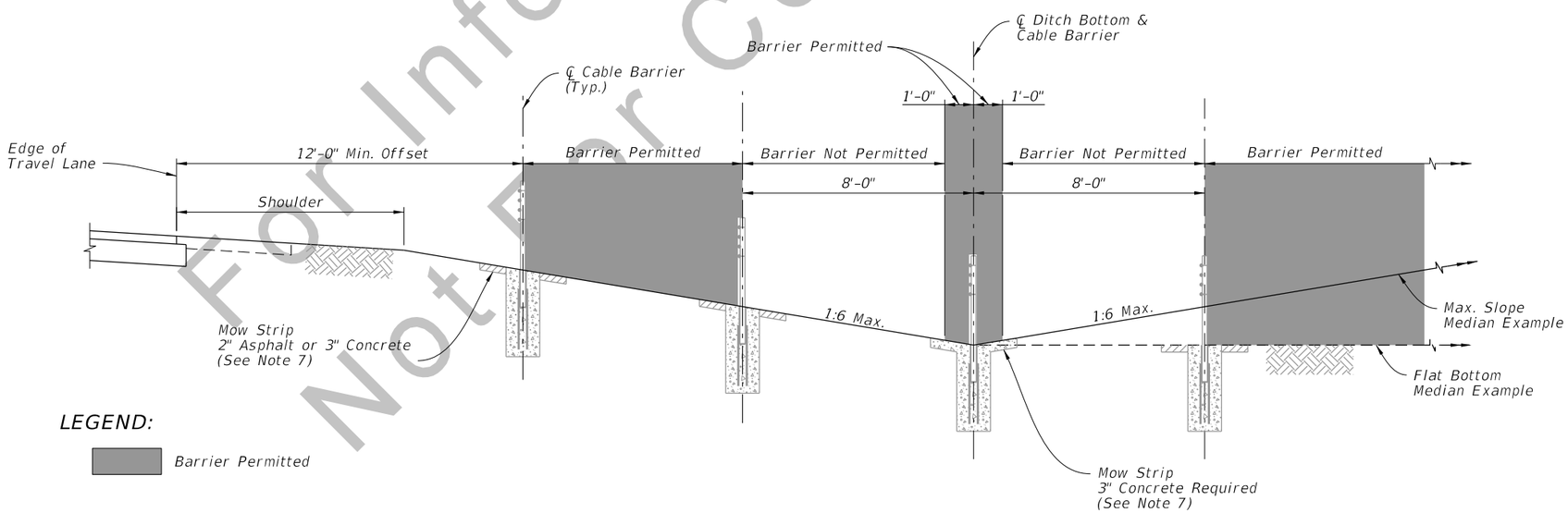
5. HTCB LATERAL OFFSETS: Install HTCB within the permitted Lateral Offsets shown herein. When possible provide a minimum lateral offset to above-ground hazards of 12'-0' in the direction shown in the Plans.

6. CABLE HEIGHTS: Maximum and minimum cable heights shown represent the maximum height for the bottom cable to reduce the potential for vehicles to penetrate under the barrier and minimum top cable height to reduce the potential of vehicle overrides. See Shop Drawings for system specific cable heights and tolerances.

   The minimum vertical spacing between cables is 3" O.C.

7. MOW STRIP: Install Mow Strips using either 2" asphalt or 3" concrete where indicated in the Plans. For Standard Mow Strips installed within 1'-0" of the median ditch bottom or toe of slope, 3" concrete is required (2" asphalt not permitted).

8. TERMINAL DISTRIBUTION SLAB: Place a continuous reinforced concrete slab as shown on Sheet 2.



HTCB LATERAL OFFSETS - TYPICAL SECTION
(EXAMPLES SHOWN)

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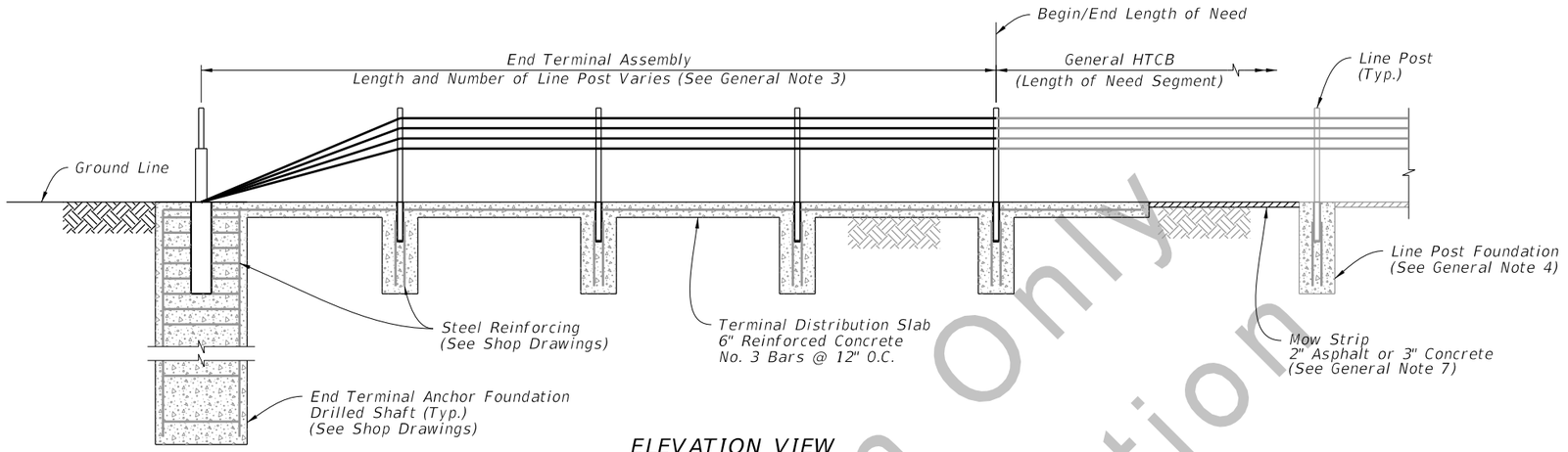
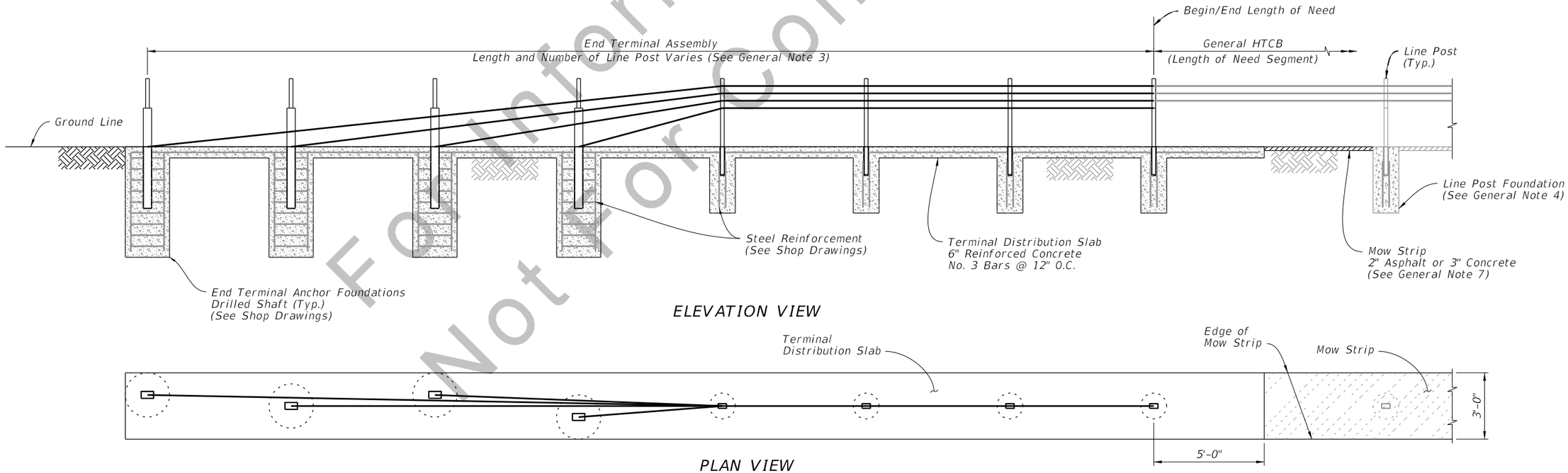
LAST REVISION	REVISION	DESCRIPTION:				
02/05/15			FDOT DEVELOPMENTAL DESIGN STANDARDS	HIGH TENSION CABLE BARRIER	INDEX NO. 450	SHEET NO. 1 of 2



END TERMINAL ASSEMBLY - SINGLE ANCHOR FOUNDATION



END TERMINAL ASSEMBLY - MULTIPLE ANCHOR FOUNDATIONS

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LAST REVISION	REVISION	DESCRIPTION:			
02/05/15			DEVELOPMENTAL DESIGN STANDARDS	HIGH TENSION CABLE BARRIER	INDEX NO. 450 / SHEET NO. 2 of 2