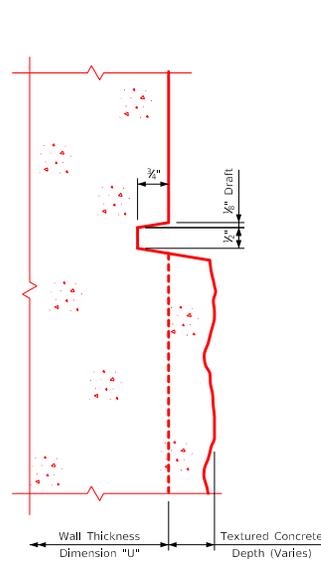
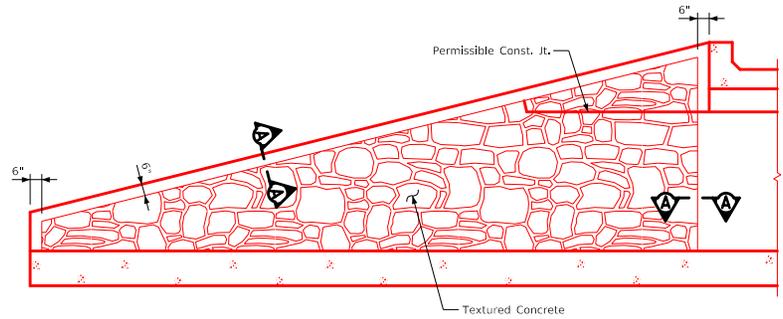


Textured Concrete Notes:

1. This work consists of applying textured finishes on all designated concrete surfaces of the pedestrian tunnel headwalls shown in this plan. See "General Notes for Textured Concrete Form Liners" on sheet PT-AD 1-20 for more information regarding the use of form liners. The textured concrete mockup panel must be reviewed and approved by the Engineer before beginning production concrete work that includes texture.
2. The form liner used to produce the texture shown in the plan details shall produce a textured effect of a realistic, random drystacked stone masonry surface having stones of varying size and shape. Individual stone dimensions shall be between 3 and 42 inches. Maximum depth of texture shall be between 1½ and 2½ inches.
3. Obtain texture form liner materials from one of the following manufacturers:
 - A. Custom Rock International (Pattern Nos. 1203, 1208)
 - B. Fitzgerald Formliners (Pattern No. 17911)
 - C. Architectural Polymers (Pattern No. 911)
 - D. Other Manufacturers and patterns submitted to and approved by the Iowa Department of Transportation, Bridges and Structures Bureau.
4. The pedestrian tunnel headwall surfaces as designated in the plans shall also receive concrete rustication. See "General Notes for Concrete Rustication" on Sheet PT-AD 1-20 for more information regarding approved techniques and methods of concrete rustication.



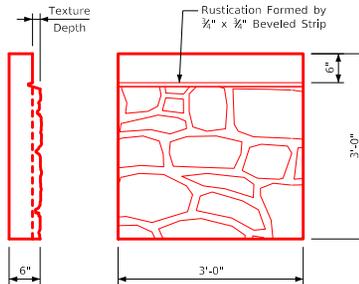
Section A-A



Typical Wingwall Elevation

Texture Mockup Panel Notes:

1. Prior to beginning any production concrete work that includes texture, a textured concrete mockup panel must be reviewed and approved by the Engineer.
2. Construct a 3-foot high, by 6-inch wide (Min.), by 3-foot long mockup panel in accordance with the Standard Specifications and these plans. See mockup details on this design sheet.
3. Cast the mockup panel(s) on site, using the same forming methods, procedures, form liners, and concrete mixture(s) as are proposed for the production work. Textured face shall be vertical during the casting process. A single mat of No. 5 reinforcing bars in two directions shall be centered within the panel. If the mockup panel is rejected, construct a new mockup panel as directed by the Engineer. Begin textured concrete production work only after the mockup has been approved by the Engineer.
4. All costs associated with the textured concrete mockup panel(s) shall be included in the price bid for "Structural Concrete (RCB Culvert)".



Texture Mockup Panel Details

Textured Concrete - One Headwall	
Location	Quantity (CY)
12' x 11'-4" Headwall	1.9
12' x 12'-4" Headwall	2.2
14' x 12'-4" Headwall	2.2

Note:
Quantity is based on an average relief of 1½" over the surface area of the wingwall.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		Cast-in-Place Standard Design - Walkways and Trails Reinforced Concrete Pedestrian Tunnel August, 2020	
		Pedestrian Tunnel Textured Concrete	PT-AD 2-20