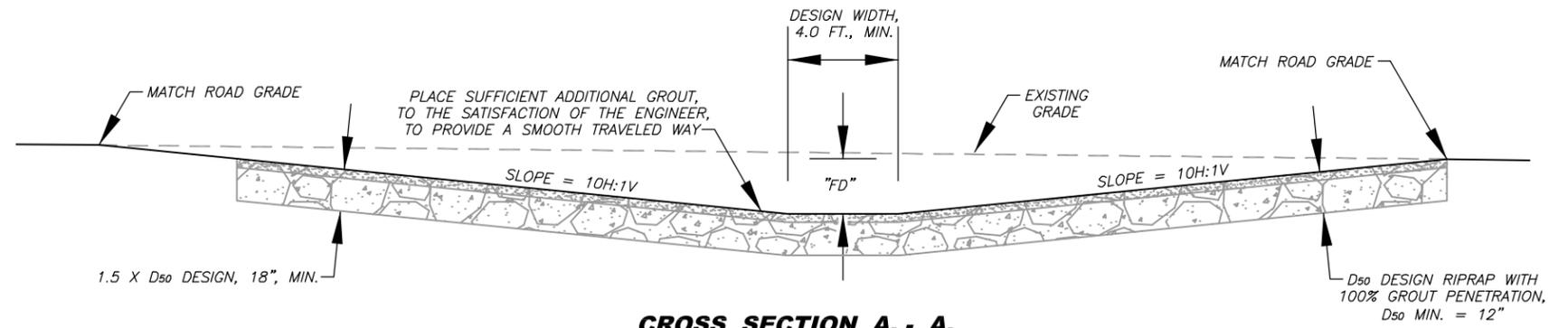


**PLAN VIEW**

SCALE: 1" = 10 FT.



**CROSS SECTION A - A.**

SCALE: 1" = 6 FT.

GRADATION	ROCK RIPRAP SIZING			
	D <sub>50</sub> =6"	D <sub>50</sub> =12"	D <sub>50</sub> =18"	D <sub>50</sub> =24"
50%	6" - 9"	12" - 18"	18" - 27"	24" - 36"
35%	3" - 6"	6" - 12"	9" - 18"	12" - 24"
15%	<= 3"	3" - 6"	4.5" - 9"	6" - 12"

**NOTES:**

- "TW" = TOP WIDTH  
 "Fb" = FREEBOARD DEPTH  
 "F.D." = FLOW DEPTH  
 "t" = THICKNESS

**DETAIL XX  
 GROUTED RIPRAP TRAPEZOIDAL CHANNEL ROAD CROSSING**

SCALE: AS NOTED