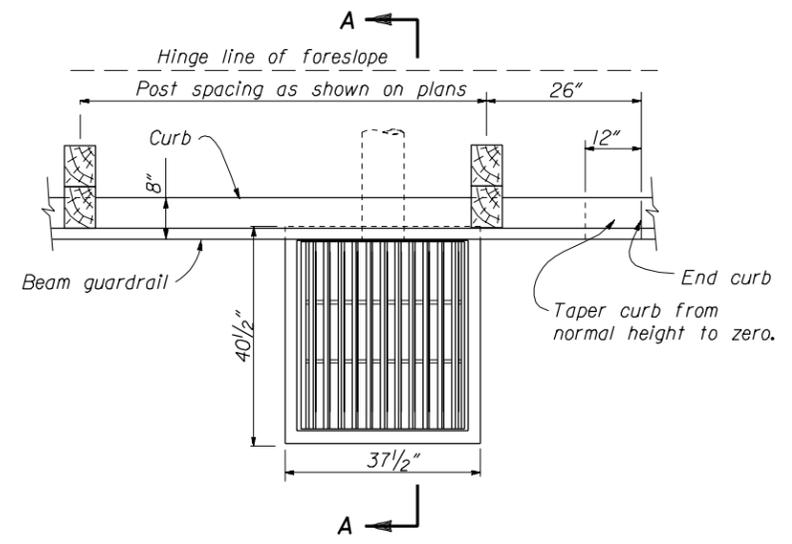


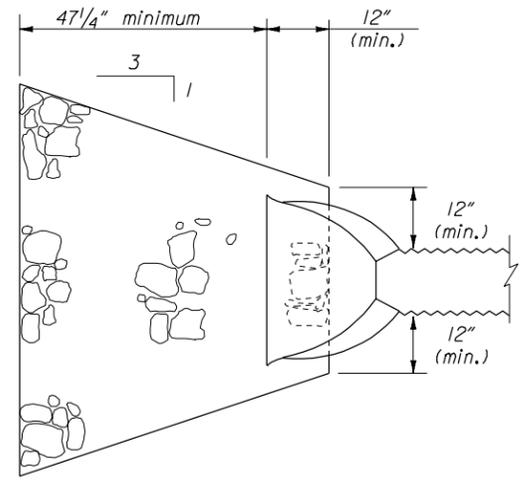
PLAN

CATCH BASIN LAYOUT AT BRIDGE ENDS

DESCRIPTION	FRAME AND GRATE	
	TYPE A	TYPE B
Reinforcing Steel	70.5 lb	70.5 lb
Structural Steel	216 lb	238 lb
Concrete	21.18 ft ³	21.18 ft ³

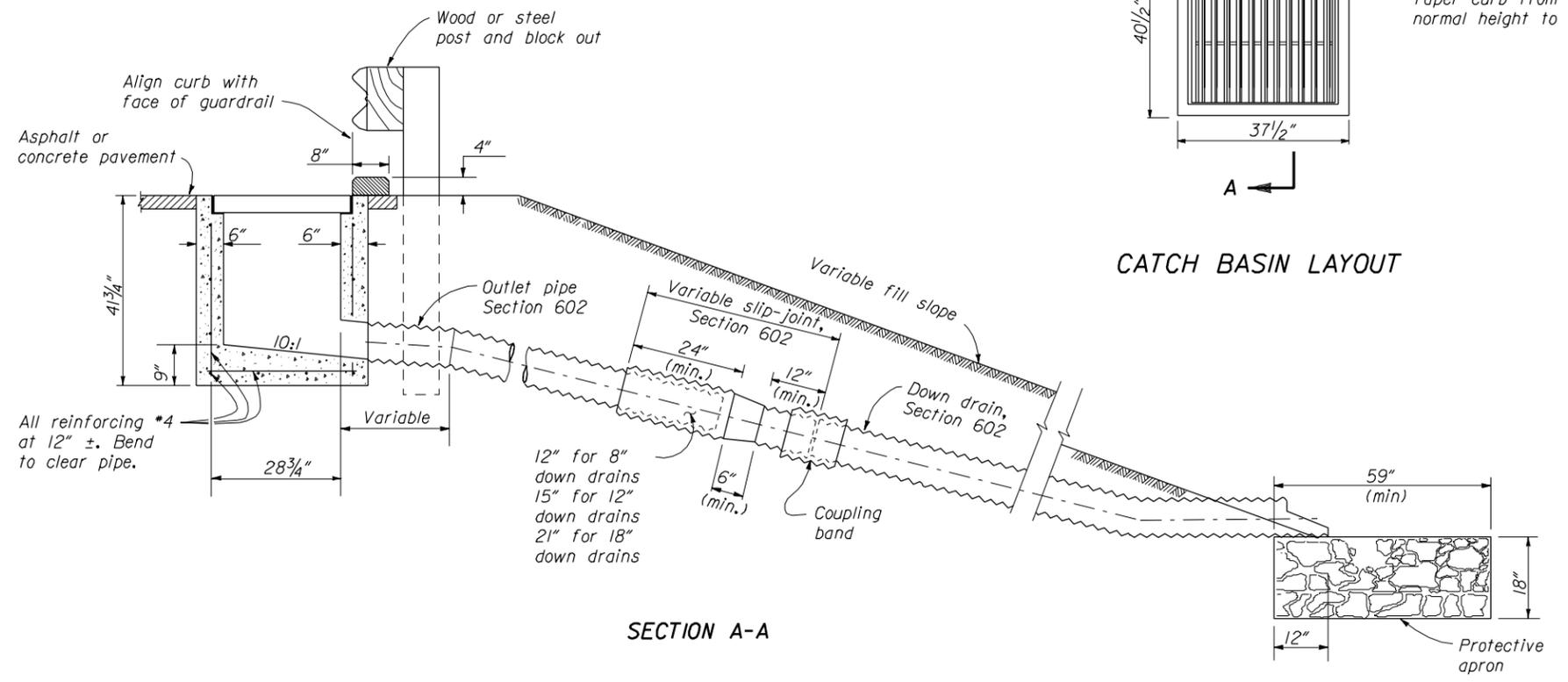


CATCH BASIN LAYOUT



PLAN

PROTECTIVE APRON



SECTION A-A

NO SCALE

NOTES:

1. CONCRETE: Chamfer exposed edges $\frac{3}{4}$ " unless otherwise shown. Give all concrete surfaces a Class 1 finish.
2. The minimum concrete cover to the face of any bar is 2" unless otherwise shown.
3. See Standard 604-2 for Type A Frame and Grate and Standard 604-3 for Type B Frame and Grate.
4. Make all coupling band connections watertight by placing $\frac{3}{16}$ " bead of approved caulking under each half of the bands before tightening.
5. Fabricate tapered portion of slip-joint from either flat or corrugated sheets.
6. Place Class 2 riprap conforming to Section 251 for protective apron.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
STANDARD	
CATCH BASIN TYPE 2 WITH DOWN DRAIN	
STANDARD APPROVED FOR USE ---	STANDARD
REVISED:	604-4