CONSTRUCTION NOTES


Use concrete with no calcium chloride allowed.

On all end sections for waterways, use dropwalls on inlet and outlet ends.


Finish all exposed edges of concrete with 1/2" or 3/4" chamfer or radius unless otherwise noted.

1. With double boxes locate dropwall joints between end sections.

2. See standard F.S. 5-395.104A for dropwall limits of excavation for dropwall are approximately the same as dropwall dimensions. Dropwall limits for 8' spans are 3'-0" and 1'-11" for walls. Furnishing and installation of dropwall to be included in price bid for end sections. Dropwall not required for non-waterway use.

3. Check location to determine whether a tongue or a groove is used.


Fill void with concrete. Joint consists of 1 part cement and 2 parts sand. Use the same air entrained portland cement. Joint mix maximum slump is 4".

5. 2" diameter hole 6" deep in top of the section wall.

6. 10" min. tongue and 3"-7" wall groove for culverts with 6'-0" spans. 2'-0" wall tongue and 5'-3" wall groove for culverts with spans greater than 6'-0", center tongue and groove on 3 of each apron joint. Tongue and groove joint on all three sides of apron is permissible.

7. Welded wire reinforcement of equal area may be substituted for rebar.

8. Apron top and bottom slab thickness may be 8" for culverts with 8' spans only. Bottom slab thickness may be increased up to 24" max. provided concrete cover is 1½" min. to 2" max.

9. Place longitudinal reinforcement perpendicular to the culvert span with a minimum of #3 square inches per peripheral foot on all faces of the barrel.

10. Refer to Spec. 2142 for sealant requirements.

STATE Proj. No. - (T.H. 1 STA.) + 8 - FIG. S-395.104(A)

APRON DIMENSIONS & AP REINFORCEMENT

Note: AP is area of reinforcement per foot of length (in²/ft).

Values in bold may be used for end sections with spans of 14' and 16' only.

NAME: CERTIFIED BY: LICENSED PROFESSIONAL ENGINEER: LIC. NO.: APPROVED: DATE: BRIDGE NO.: SHEET NO. OF SHEETS: