

Design Standards Letter

Letter Number: G-1969-38

Letter Date: 07/11/1969

Effective Date: 07/11/1969

Section/Plan No.: P730.00

Subject: New Drawing 730.00 Precast Concrete Flared-End Sections

Body

ALL DIVISION AND DISTRICT ENGINEERS

We are furnishing you herewith several copies of the subject drawing.

It is the intent that the precast concrete flared-end sections will completely replace the cast-in-place pipe culvert headwalls now shown on Drawing 604.00. The use of these precast sections should be implemented as soon as practicable; however, a change in plans should not be made if, in the opinion of the District, such change would delay the completion of the design plans. All new projects and all projects on which the change can be made without lost time, should incorporate the precast concrete flared-end sections exclusively.

The Design Manual will be revised to properly cover the use of these precast sections; however, the same general instructions will apply, except as follows:

- (1) Flared-end sections will be placed on the flow-line grade of the pipe culvert in the same manner as any section of pipe.
- (2) These sections are not manufactured to fit skewed slopes. Where end sections are used for skewed pipe culverts, the section is placed in the same line as the culvert, and the fill slopes warped to fit. Do not use cast-in-place headwalls for skewed pipe culverts.

Construction and material specifications covering the precast sections will be furnished at a later date.

The use of Type S Pipe Culvert Headwalls shown on Drawing 604.05 will be continued in accordance with previous instructions and is not affected by the change from Type B and C headwalls to precast flared-end sections.

Leland D. Fletcher
Division Engineer
Surveys and Plans