

Design Standards Letter

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Section/Plan No.: P502.00, P604.26, P604.28, P604.40, P607.10, P607.20, P725.30, P725.31, P903.02, P903.03

Subject: Revised Drawings

Body

ALL DIVISION AND DISTRICT ENGINEERS

We are furnishing you herewith several copies of the following revised drawings which will be used where applicable, beginning with the November, 1969 Letting.

Drawing 502.00A. This drawing has been revised to delete the reference to Standard Drawing 48.12 for dowel support baskets, to delete the weight of wire fabric for reinforcing, and to correct the location of the L joint on the plan of locating joints.

Drawing 604.26A. This drawing has been revised to delete references to drawing 89.00 for bearing plates and drawing 614.10 for curb inlets, to add necessary dimensions to concrete curb on Section C-C in lieu of reference to drawing 604.20, and to revise General Note covering payment for cutting pipe and cutting and bending reinforcing bars.

Drawing 604.28A. This drawing has been revised to correct the concrete deduction quantity for the 15" x 12" extension opening, to delete the reference to Standard Drawing 84.01 for tongue and groove joint with tie bars, to add a three- (3) inch dimension between top of opening and bottom of gutter, to revise General Notes pertaining to payment for cutting of pipe and cutting and bending reinforcing bars, and to add a table showing lengths of extensions (L), heights of openings (*), and heights of extensions (H).

Drawing 604.29A. This drawing has been revised to delete steel weight deduction for 18" x 12" opening, to add a concrete volume deduction for 9" x 12" opening, to delete concrete volume deduction for 18" x 12", and for 21 x 12" openings, to add a three- (3) inch dimension between top of opening and bottom of gutter on section showing details of opening, to add a table showing lengths of extensions (L), heights of openings (*), and heights of extensions (H), and to revise the General Note pertaining to payment for cutting pipe and for cutting and bending reinforcing bars.

Drawing 604.40A. This drawing has been revised to remove Metal Curtain Walls and place

them on a new Drawing 725.31. Pipe collars have not been revised, except to clarify the metal pipe shown by section under Type B Collar as being Type C Fully Bituminous Coated Paved Invert.

Drawing 607.10B. This drawing has been revised to provide an alternate shape for top or brace rail and for end or corner post, to revise Legend Note 14 to permit brace rail to be located at 1/2 fabric height, or as recommended by manufacturer, and to rearrange the sheet to provide space for the preceding alternate.

Drawing 614.10A. The remarks column of the weight and dimension data table has been revised to state that the last four grates are for use with Type S Inlets and Headwalls.

Drawing 614.20A. This drawing has been revised to remove Metal Inlets and place them on a new Drawing 725.31. The Flood Gates have been revised to show the location of the "E" dimension on the Type 1 flood gates, and to delete the 6, 8, 10, and 20-inch diameters from the table of dimensions.

Drawing 725.30A. This drawing has been revised to change the title to Metal Flared End Sections, to change all notes to refer to end sections for metal arches by B number in lieu of span and rise, to delete the Type B-1 metal arch, to add a column to the tables for metal arches designating the respective types of B number, and to state that no direct payment will be made for structure excavation or structure backfill necessary for flared-end section installation.

Drawing 725.31. This is a new drawing covering Metal Curtain Walls and Metal Inlets previously shown on Drawings 604.40 and 614.20 respectively. Removal of the B-1 pipe-arch metal curtain wall is the only revision made.

Drawing 903.03b.

Sheet 1 of 6

Eliminated Clamp Type Sign Support for Pipe Posts as this is covered under Standard Drawing 903.02.

Add note d = diameter of bolt holes in Hinge Plate.

On Hinge Plate Data Table changed d to 13/16" post Des. No. 4; Bolt diameter to 7/8" Post Des. No. 5 & 6.

Sheet 2 of 6

Changed Maximum Depth Footing in Solid Rock to cover 10 Design Posts rather than 21 posts.

Sheet 3 of 6

Added note for offset distance for gore signs.

Added note covering number of posts for different width of signs.

Eliminate Post Cut-Offs.

Sheet 4 of 6

Eliminate Post Cut-offs.

Sheet 5 of 6

Added note to eliminate vertical stiffeners on signs 4' high or less.

Sheet 6 of 6

Added note for Delineator installation.

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Surveys and Plans