

# Design Standards Letter

**Letter Number: G-1967-24**

**Letter Date: 07/14/1967**

**Effective Date: 07/01/1967**

**Section/Plan No.: None**

**Subject: Standard Drawings - New and Revised Special Provision - Revised**

## Body

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ALL DIVISION AND DISTRICT ENGINEERS AND CHIEF COUNSELS:

We are furnishing you herewith several copies of the following new or revised standard drawings and revised special provision.

### Drawing 21.95

This drawing, consisting of two sheets, covers the design and installation of new Type S drop inlets. Type S drop inlets are designed for use as median relief's, and for roadway ditch relief's in ditches having 6:1 inslopes. The use of headwalls and Type E or EE drop inlets for median relief is discontinued; however, Type E and EE drop inlets will continue to be used where applicable for drainage of areas inaccessible to traffic.

The new inlet is not intended for use on an inlet for cross-rod structures unless it is impossible to locate the headwall or other structure outside the safety zone limits or outside the normal 6:1 ditch in-slopes on roadways without a safety zone.

At locations where it is impracticable to use this new inlet due to capacity, grades, etc., and where a headwall or other type of drop inlet cannot be located outside the safety zone limit or normal 6:1 ditch inslope, guard rail will be provided in accordance with the requirements shown on Sheet 4 of 4, Drawing 86.00.

Design capacity for the Type S inlets will be considered the same as that of the Type EE drop inlet; i.e., use Design Manual Type EE Charts.

### Drawing 89.00

This drawing has been revised to provide for the grates and bearing plates necessitated by the addition of the new type S drop inlets. The drawing has also been rearranged for clarity and to provide space for these grates and bearing plates.

## Implementation

The new drop inlets will be used in applicable projects beginning with the August 31, 1967 Letting.

All plans not yet submitted should be revised to incorporate these inlets as set out above.

The Districts are also requested to revise all plans already submitted to this office to which the above standards will apply.

## Portland Cement Concrete Base, Pavement, and Approach Slab for Bridges

This special provision has been revised to add material produced from the Keokuk and Warsaw limestone formations to that material produced from the Burlington limestone formation as being exempt from the requirements of the special provision. This revision is being included in applicable projects in the July, 1967 Letting.

L. V. McLaughlin  
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Surveys and Plans