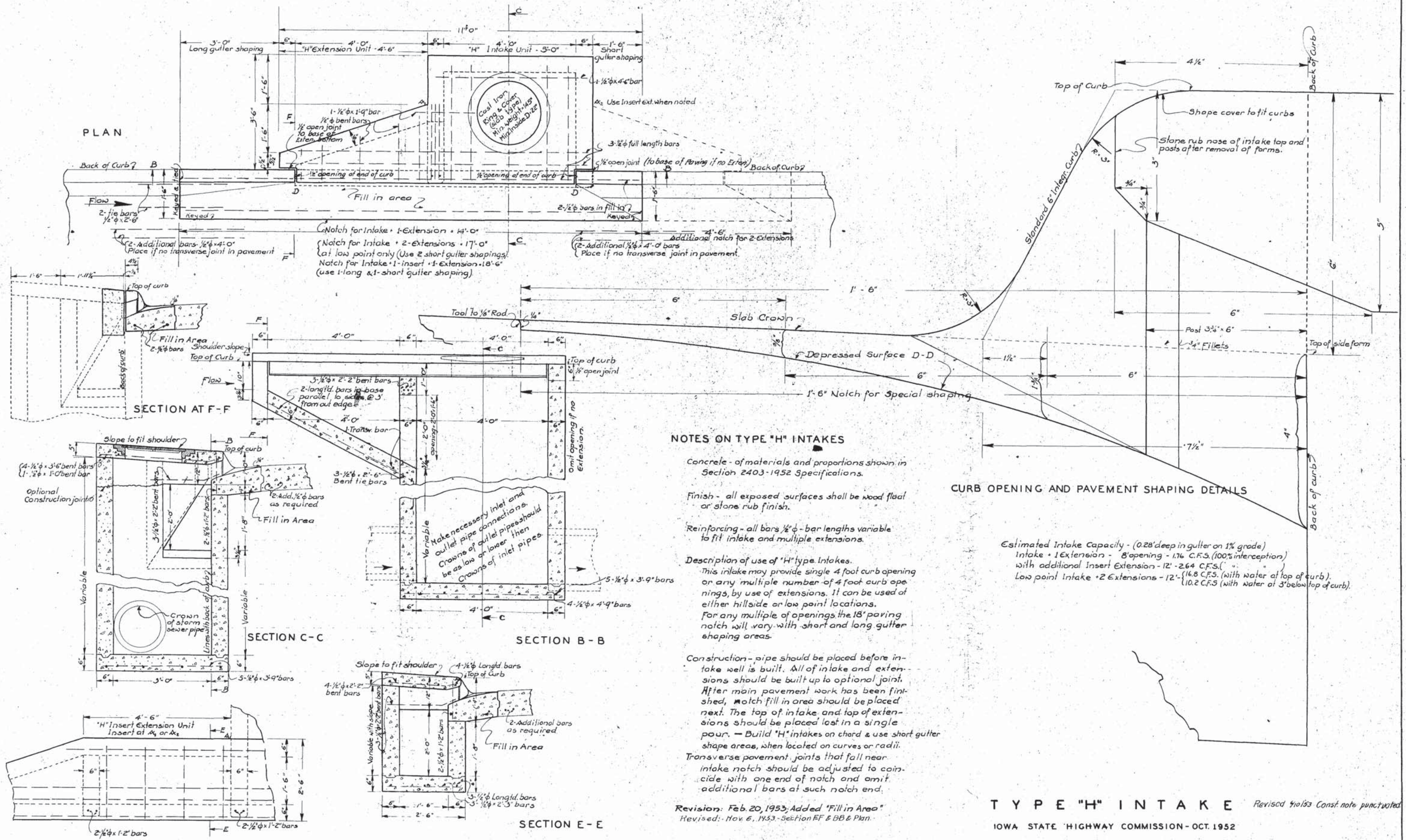


FED. ROAD DIST. NO.	STATE	F. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	928(6)		6	45

Paving



NOTES ON TYPE "H" INTAKES

Concrete - of materials and proportions shown in Section 2403-1952 Specifications.

Finish - all exposed surfaces shall be wood float or stone rub finish.

Reinforcing - all bars 1/2" φ - bar lengths variable to fit intake and multiple extensions.

Description of use of "H" type Intakes.
 This intake may provide single 4 foot curb opening or any multiple number of 4 foot curb openings, by use of extensions. It can be used of either hillside or low point locations. For any multiple of openings the 18' paving notch will vary with short and long gutter shaping areas.

Construction - pipe should be placed before intake well is built. All of intake and extensions should be built up to optional joint. After main pavement work has been finished, notch fill in area should be placed next. The top of intake and top of extensions should be placed last in a single pour. - Build "H" intakes on chord & use short gutter shape areas, when located on curves or radii. Transverse pavement joints that fall near intake notch should be adjusted to coincide with one end of notch and omit additional bars at such notch end.

Revision: Feb. 20, 1953; Added "Fill in Area"
 Revised: Nov. 6, 1953; Section EF & BB & Plan.

CURB OPENING AND PAVEMENT SHAPING DETAILS

Estimated Intake Capacity - (0.28' deep in gutter on 1% grade)
 Intake + 1 Extension - 8' opening - 1.76 C.F.S. (100% interception)
 with additional Insert Extension - 12' - 2.64 C.F.S.
 Low point Intake + 2 Extensions - 12' - 16.8 C.F.S. (with water at top of curb)
 (10.2 C.F.S. (with water at 3' below top of curb).

TYPE "H" INTAKE Revised 9/10/53 Const. note punctuated

IOWA STATE HIGHWAY COMMISSION - OCT. 1952