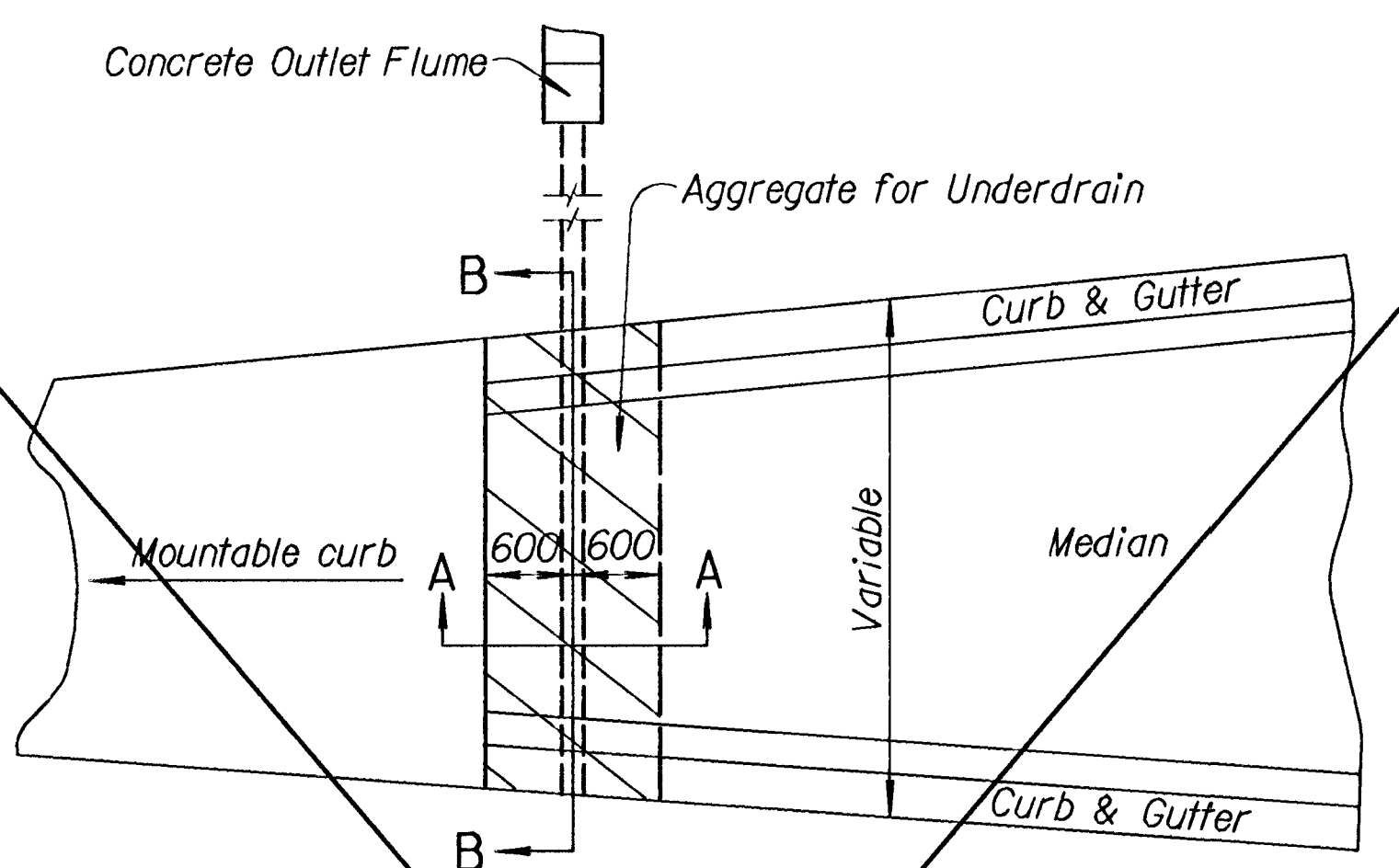
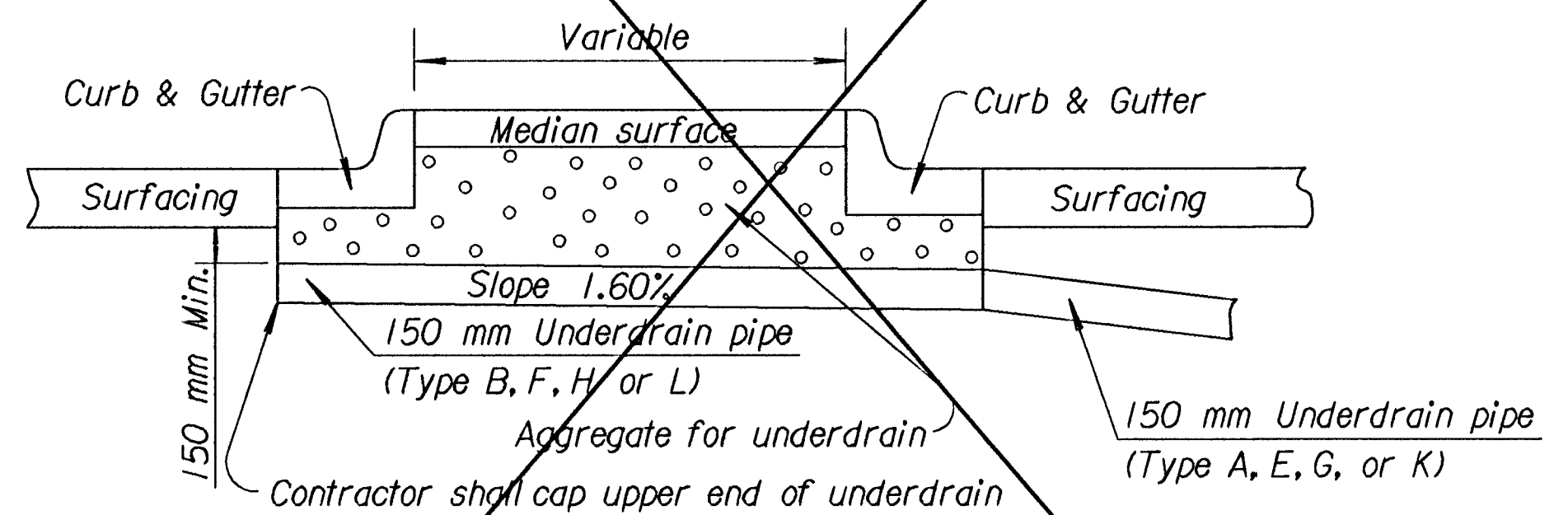


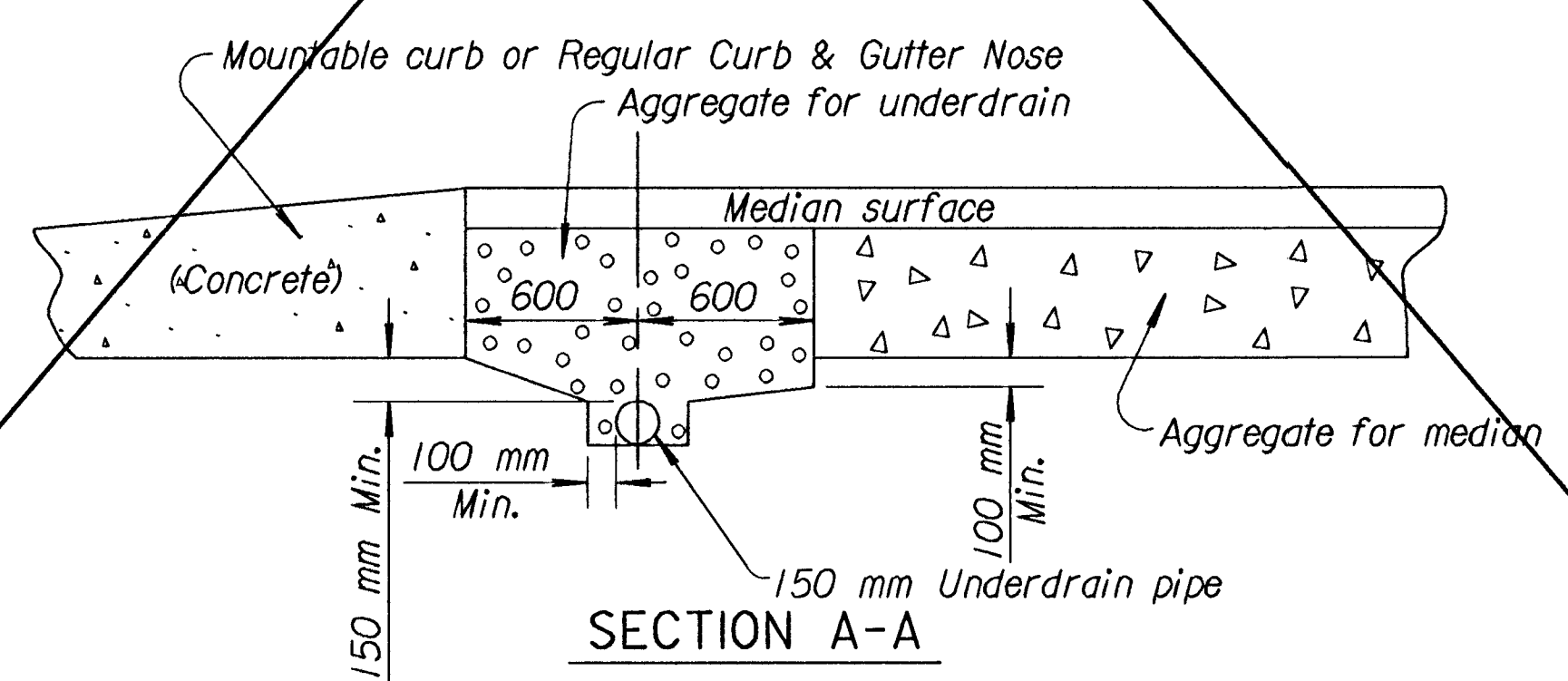
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N-016-01	1999	45	110



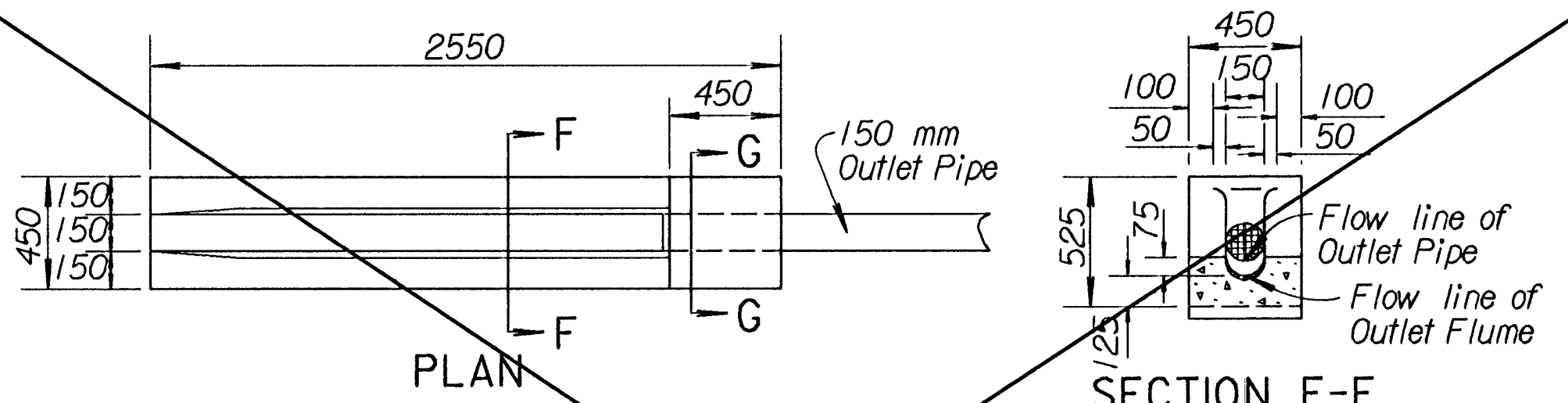
UNDERDRAIN



SECTION B-B

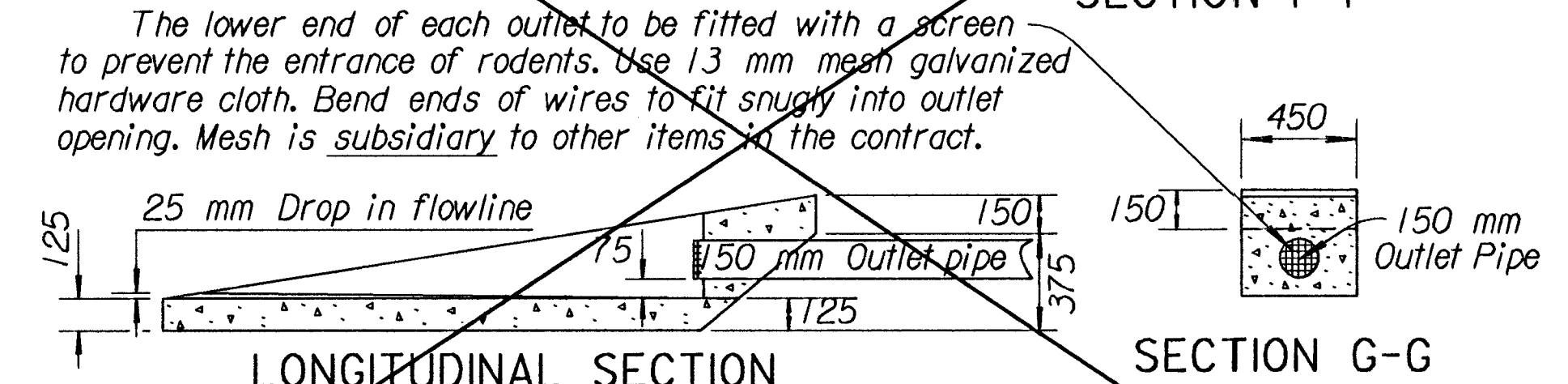


SECTION A-A



PLAN

SECTION F-F



LONGITUDINAL SECTION

SECTION G-G

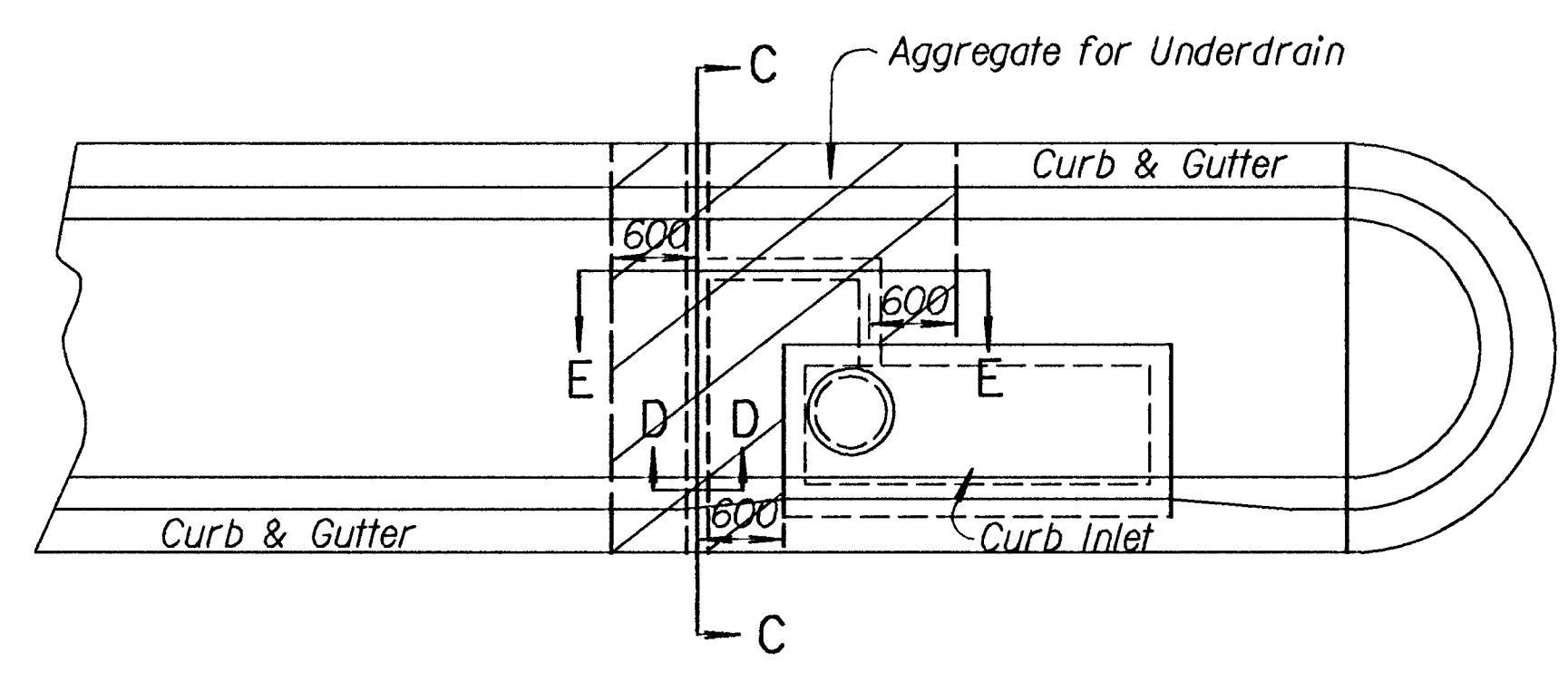
The lower end of each outlet to be fitted with a screen to prevent the entrance of rodents. Use 13 mm mesh galvanized hardware cloth. Bend ends of wires to fit snugly into outlet opening. Mesh is subsidiary to other items in the contract.

The Outlet Flume shall be constructed at the end of all outlet pipes and shall be Class "A" Concrete. At the contractor's option, Class "A" Concrete (AE) may be used. This flume shall be considered subsidiary to the item "Pipe Underdrains".

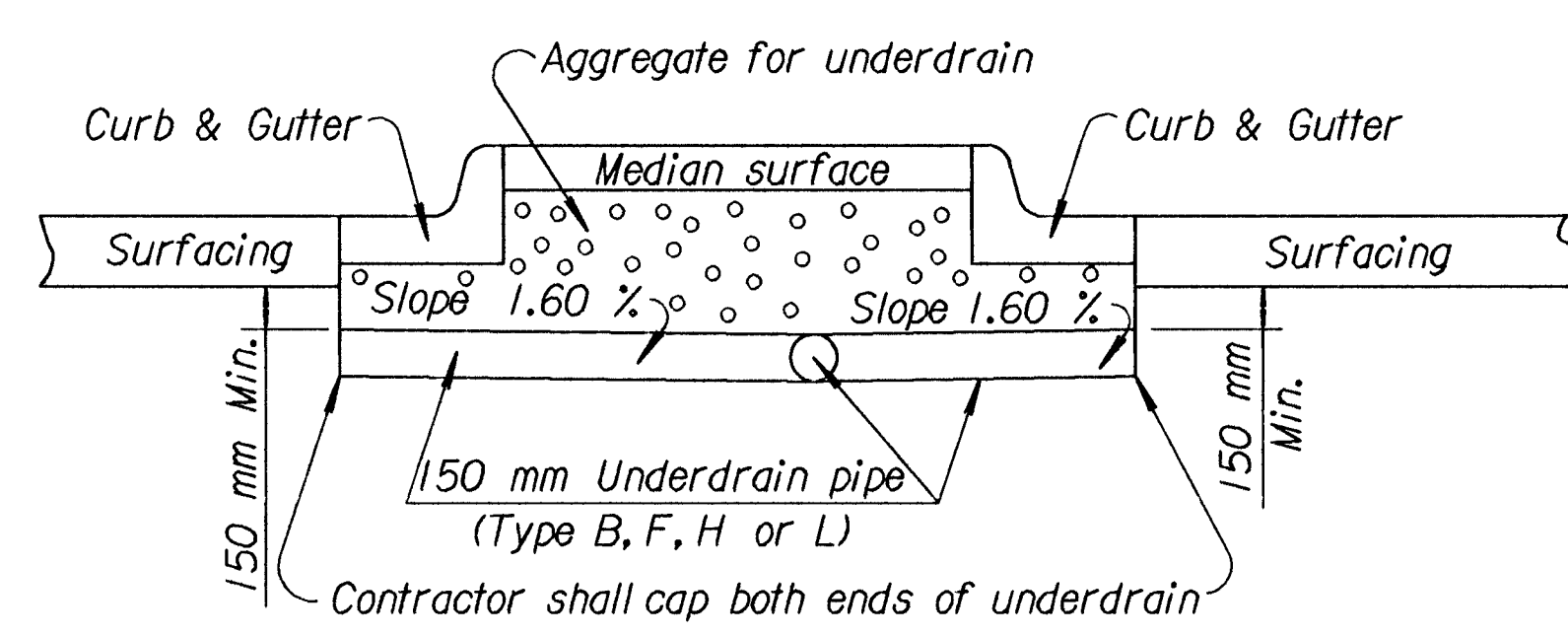
Outlet pipe shall be either Type A, E, G, or K with water tight joints. Perforated pipe shall be either Type B, F, H or L.

All pipe to be laid on minimum grade of 1% unless shown otherwise.

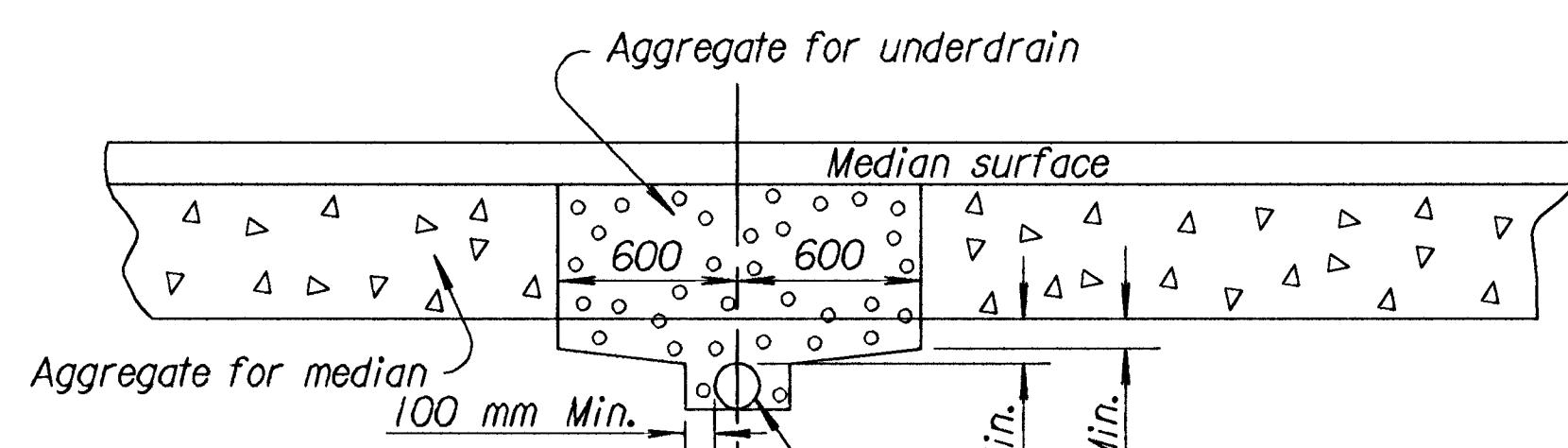
**CONCRETE OUTLET FLUME**



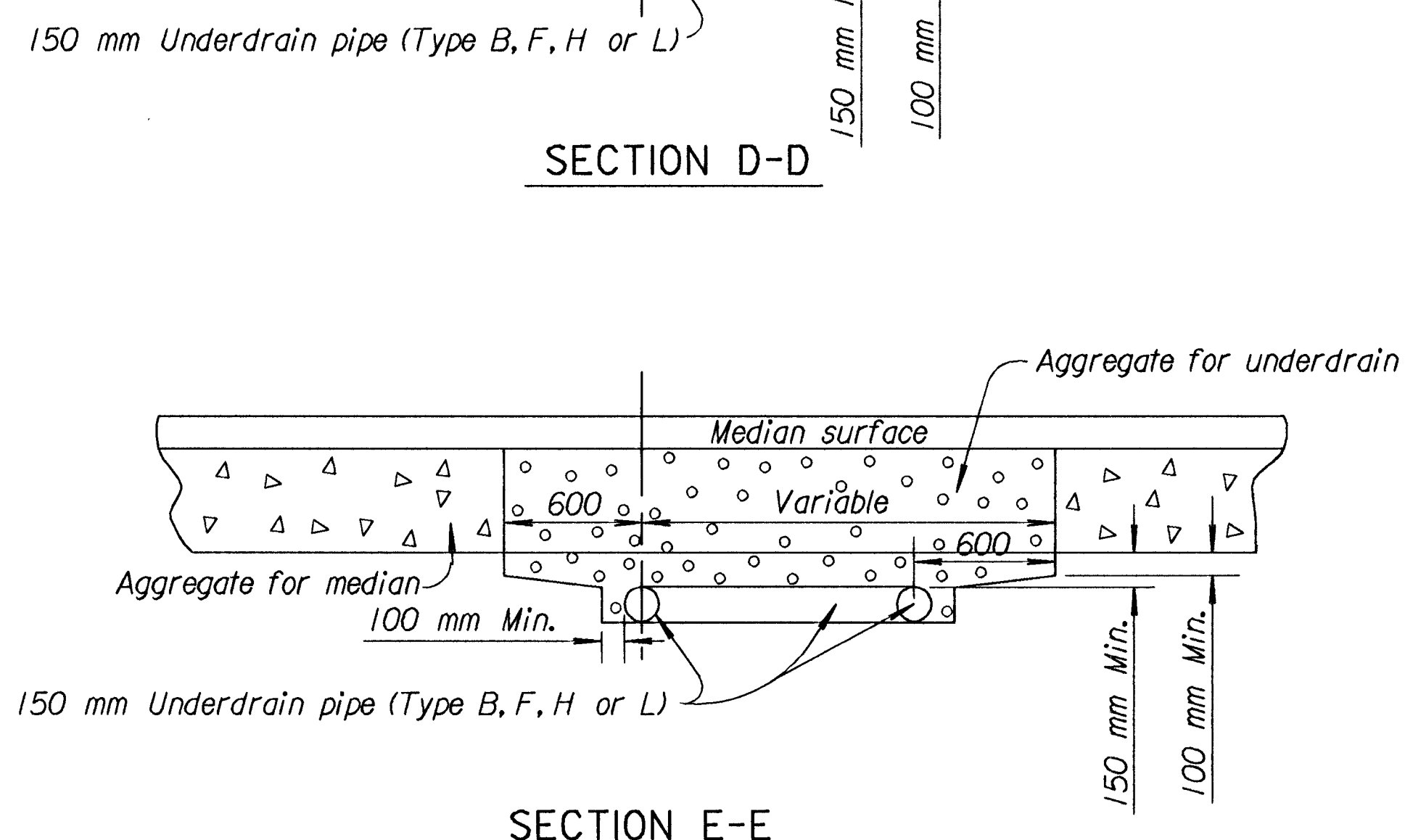
UNDERDRAIN  
(Connect to Curb Inlet)



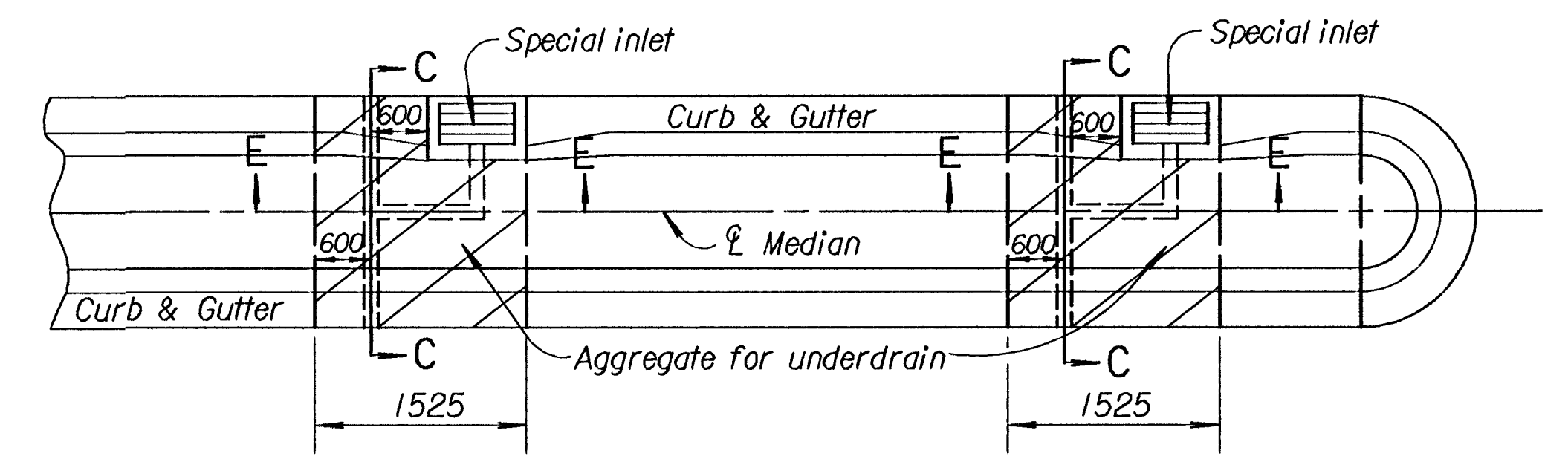
SECTION C-C



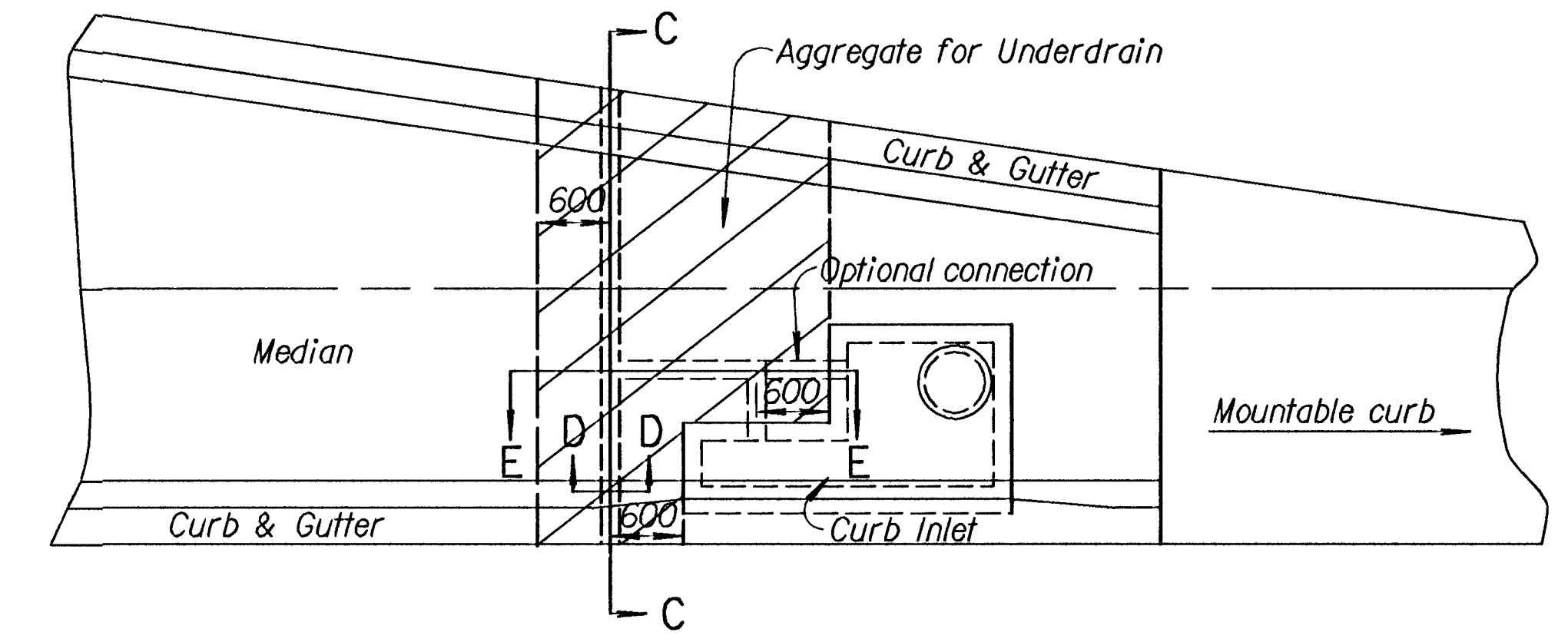
SECTION D-D



SECTION E-E



UNDERDRAIN  
(Connect to Special Gutter Inlet Type III)



UNDERDRAIN  
(Connect to Curb Inlet)

**GENERAL NOTE:**  
 The aggregate for underdrains shall be subsidiary to the bid item "Pipe Underdrains".  
 The bid item "Pipe Underdrains" shall be paid for by the linear foot.  
 Any excavation necessary for installation of pipe and aggregate is subsidiary to the bid item "Pipe Underdrains".  
 All pipe to be laid on minimum grade of 1% unless shown otherwise.

NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

**TYPICAL  
MEDIAN UNDERDRAINS**

RD701-SI

FHWA APPROVED	9-20-94	APP'D. James O. Brewer
DESIGNED	DETAILED	QUANTITIES
DESIGN CK.	DETAIL CK.	QUAN. CK.

TRACED Bowser  
TRACE CK. Seltz

Drawn By: \$\$\$\$USERNAME\$\$\$ Plotted: \$\$\$\$STTIME\$\$\$  
 File: \$\$\$\$DGN\$SPEC\$\$\$\$