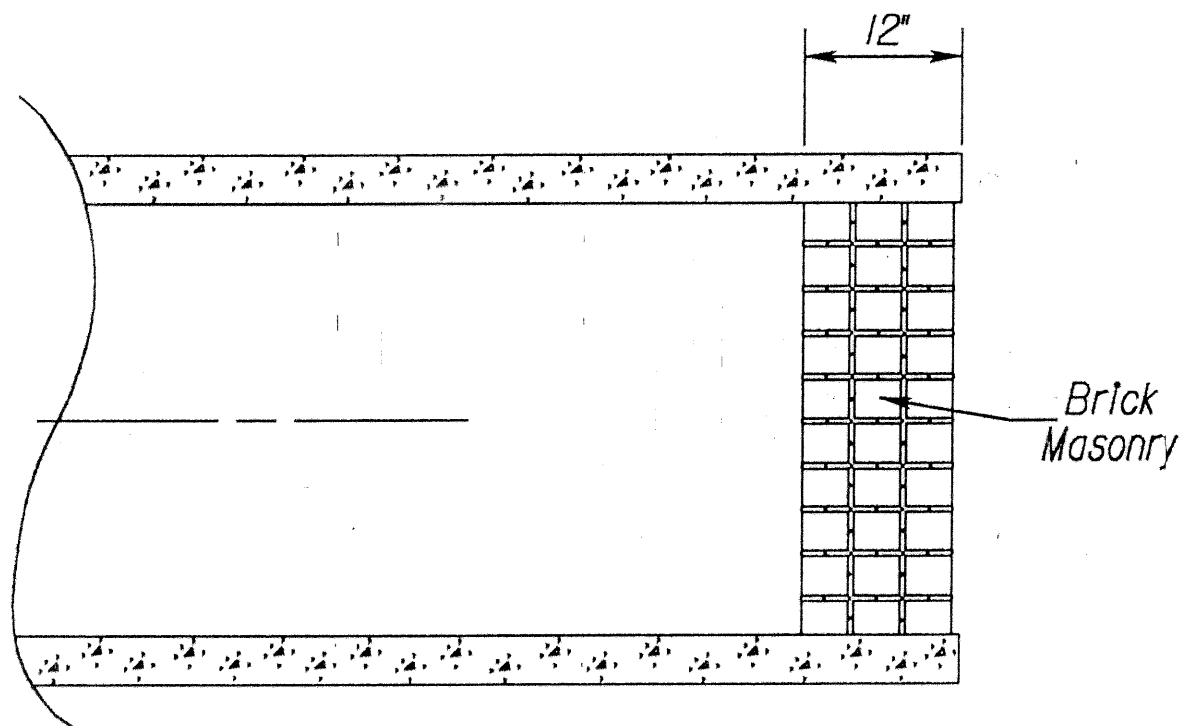
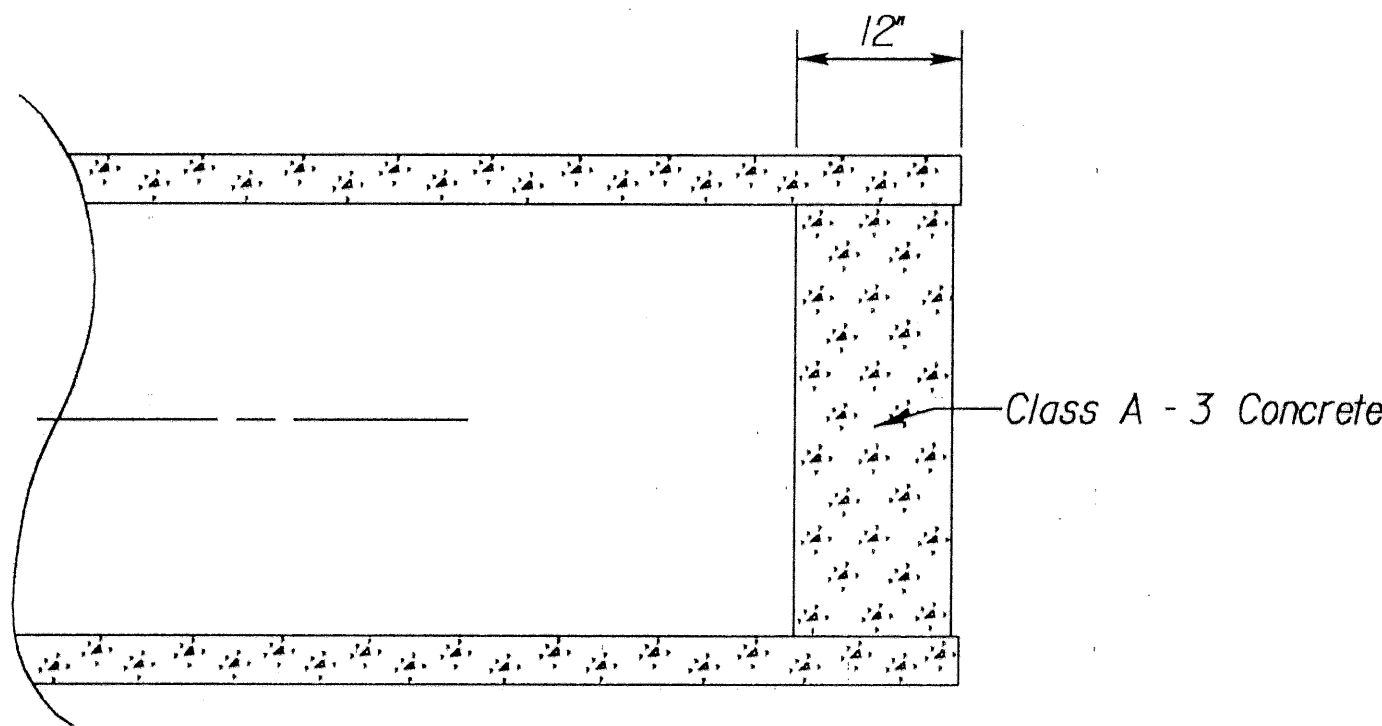


DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

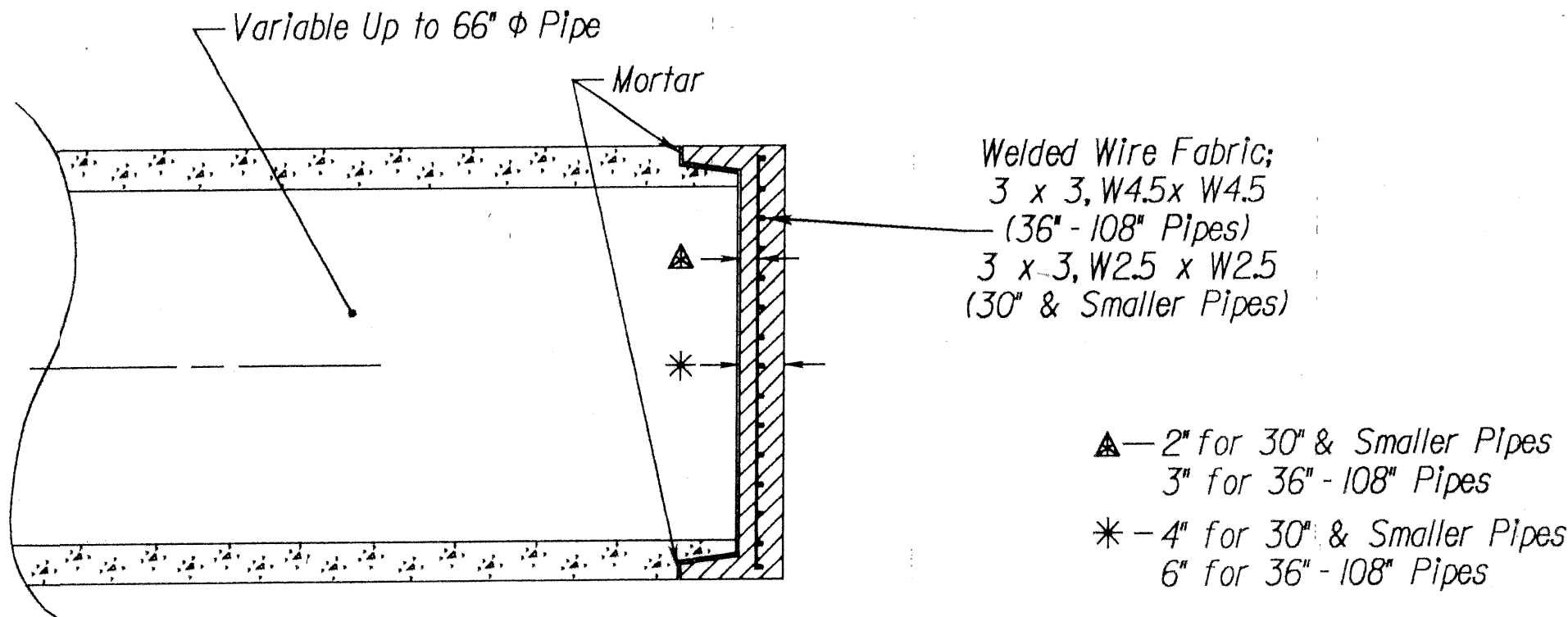
REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
1-27-94	3	VA.		11	0011-080-F05 C-502 0011-080-105 RW-202	20



SECTION OF BRICK MASONRY PIPE PLUG



SECTION OF CONCRETE PIPE PLUG



SECTION OF PRECAST PIPE PLUG (Male End)
(Male or Female plug design to be furnished where applicable.)

Notes :
Either Concrete Pipe Plug, Brick Masonry or Precast Concrete Pipe Plug may be used for plugging pipe. Concrete brick may be used in lieu of clay brick. Jumbo brick will be permitted.

Pay Limits for pipe plugs shall be 12" in thickness for Brick Masonry & Concrete plugs. All methods for plugging pipes shown hereon are to be paid for in cubic yds. of concrete.

Basis of Payment :

Plugging Pipe (Size) Is to be measured and paid for in Cu. Yds. of Class A-3 Concrete Misc., Complete - in - Place, and shall include furnishing and placing all materials and incidentals necessary for construction.

Precast notes :
Concrete to be 4000 P. S. I. Min. Compressive strength.
Concrete and Reinforcing Steel shall be in accordance with AASHTO M170.
Detail shown for Precast Plug is representative only, other manufacturer's design will be acceptable upon approval by the Engineer.

QUANTITIES	
Pipe Size	Concrete Cu. Yds.
12"	0.029
15"	0.045
18"	0.065
24"	0.116
30"	0.182
36"	0.262
42"	0.356
48"	0.465
54"	0.589
60"	0.727
66"	0.880
72"	1.047
78"	1.229
84"	1.425
90"	1.636
96"	1.862
102"	2.102
108"	2.356

METHODS for PLUGGING PIPE 12" - 108" DIAMETERS

REVISED
NOV. 30, 1988

SPECIAL DESIGN SECTION
DRAWING NO. 1821

SUPERVISED BY LARRY MOORE
DESIGNED BY DRAPER ADEN ASSOC.
CADD OPERATOR Mo. 21-50027
REVISED BY

PLAN	DATE	BY
NOTE BOOK		
NO.		