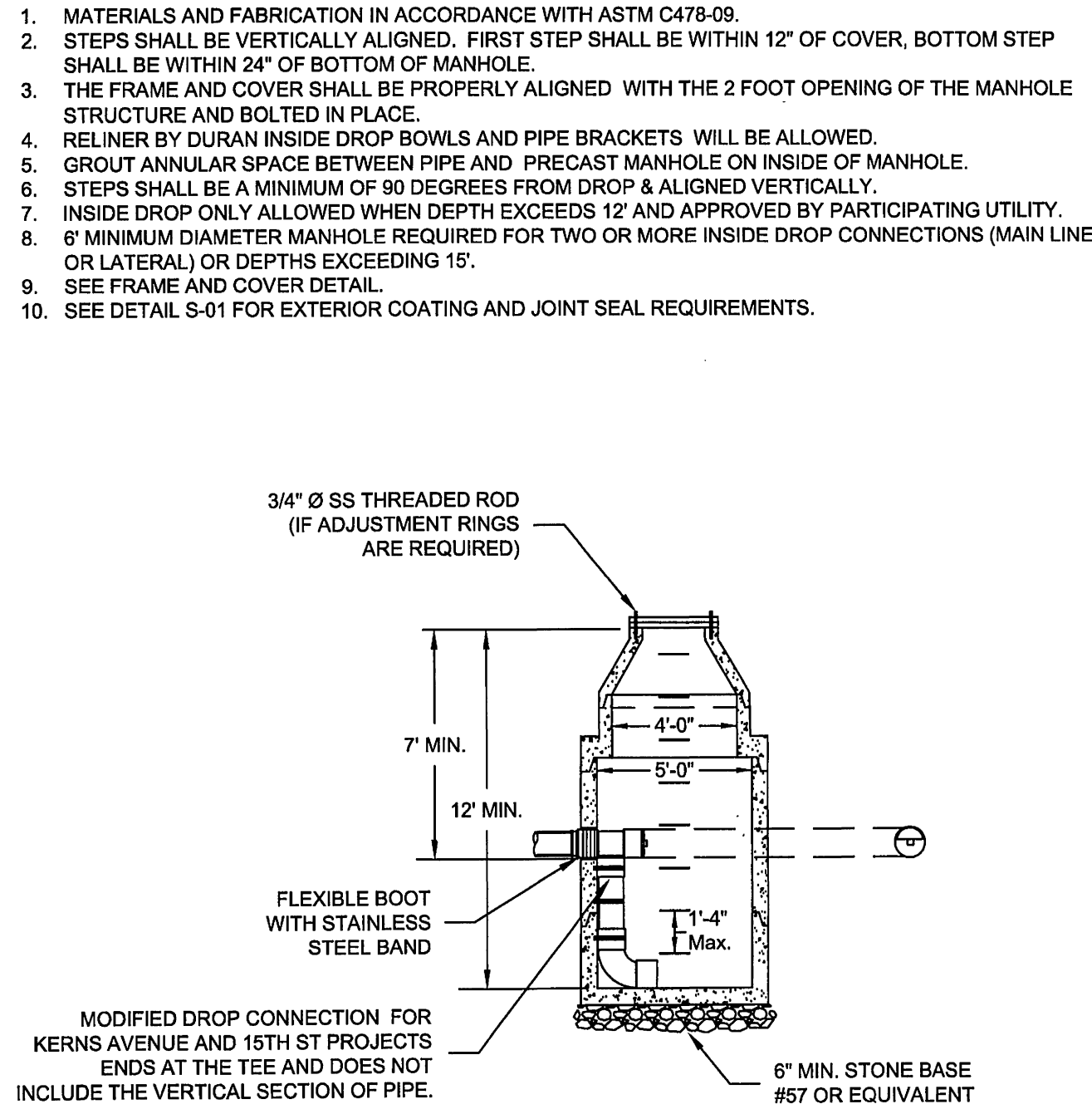


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

4' STANDARD MANHOLE
FOR PIPE 15" OR SMALLER
(FOR DEPTHS UP TO 15 FEET)

S-1

01/01/12

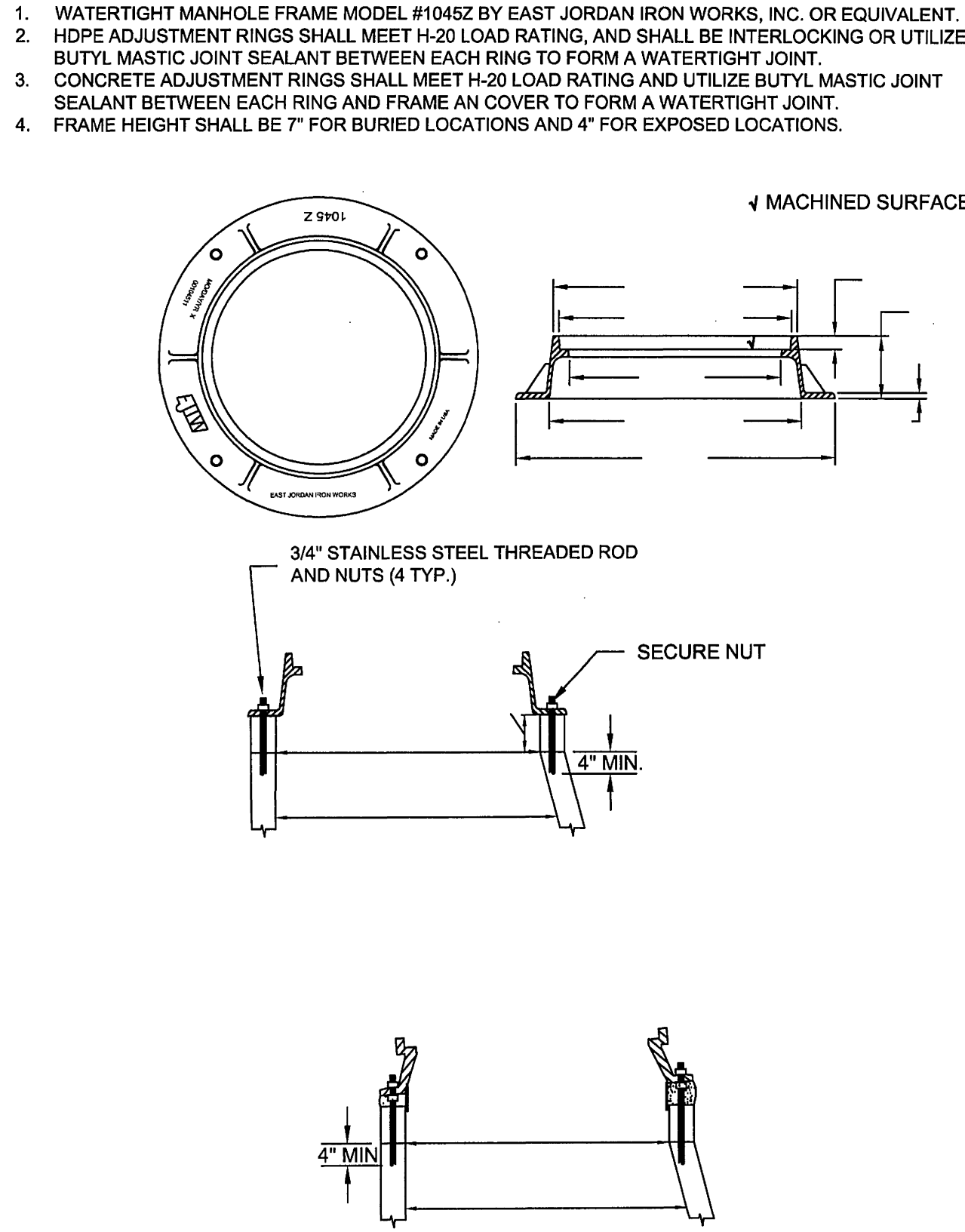


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

INSIDE DROP MANHOLE

S-3

01/01/12

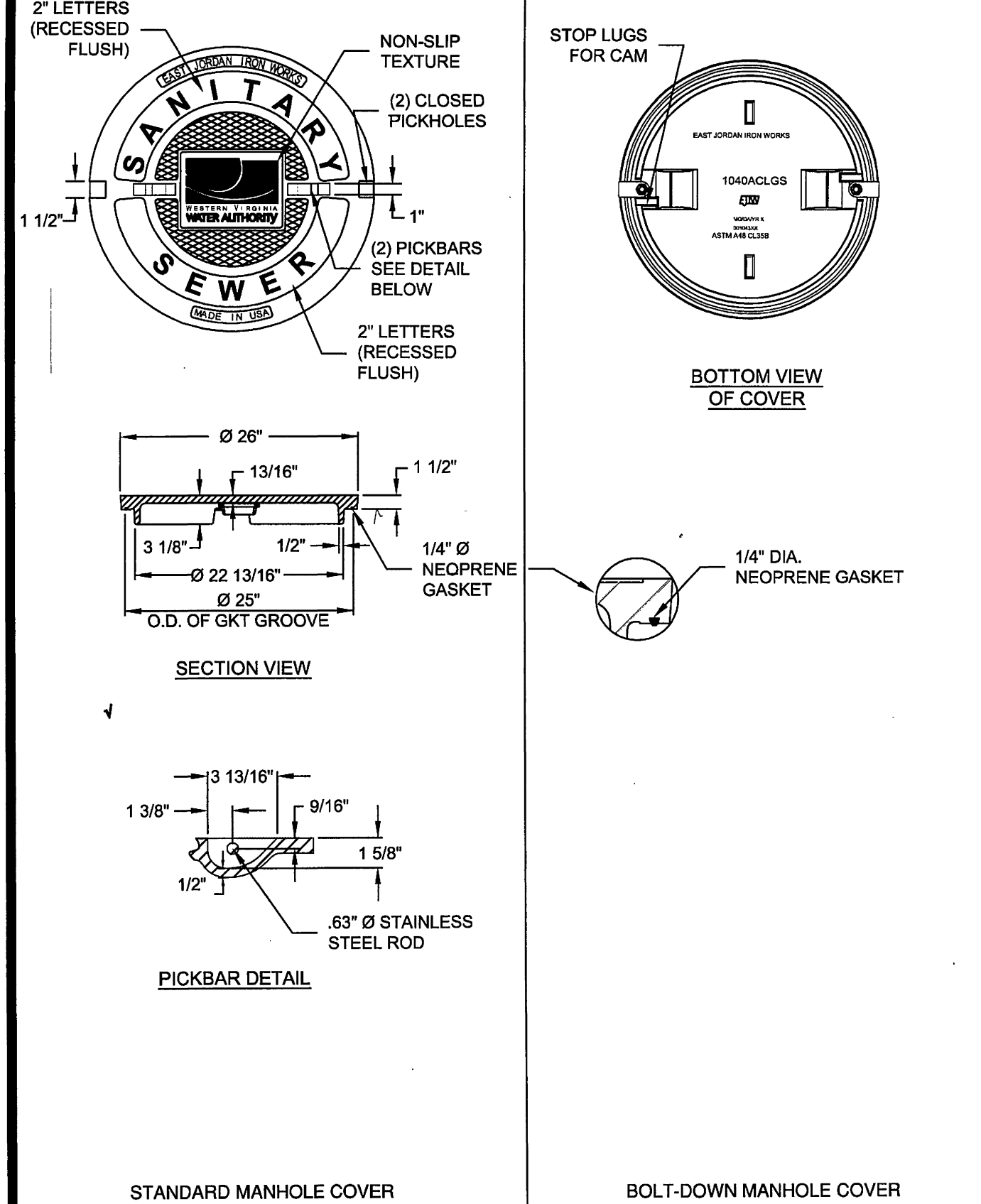


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

WATERTIGHT
MANHOLE FRAME

S-4

01/01/12

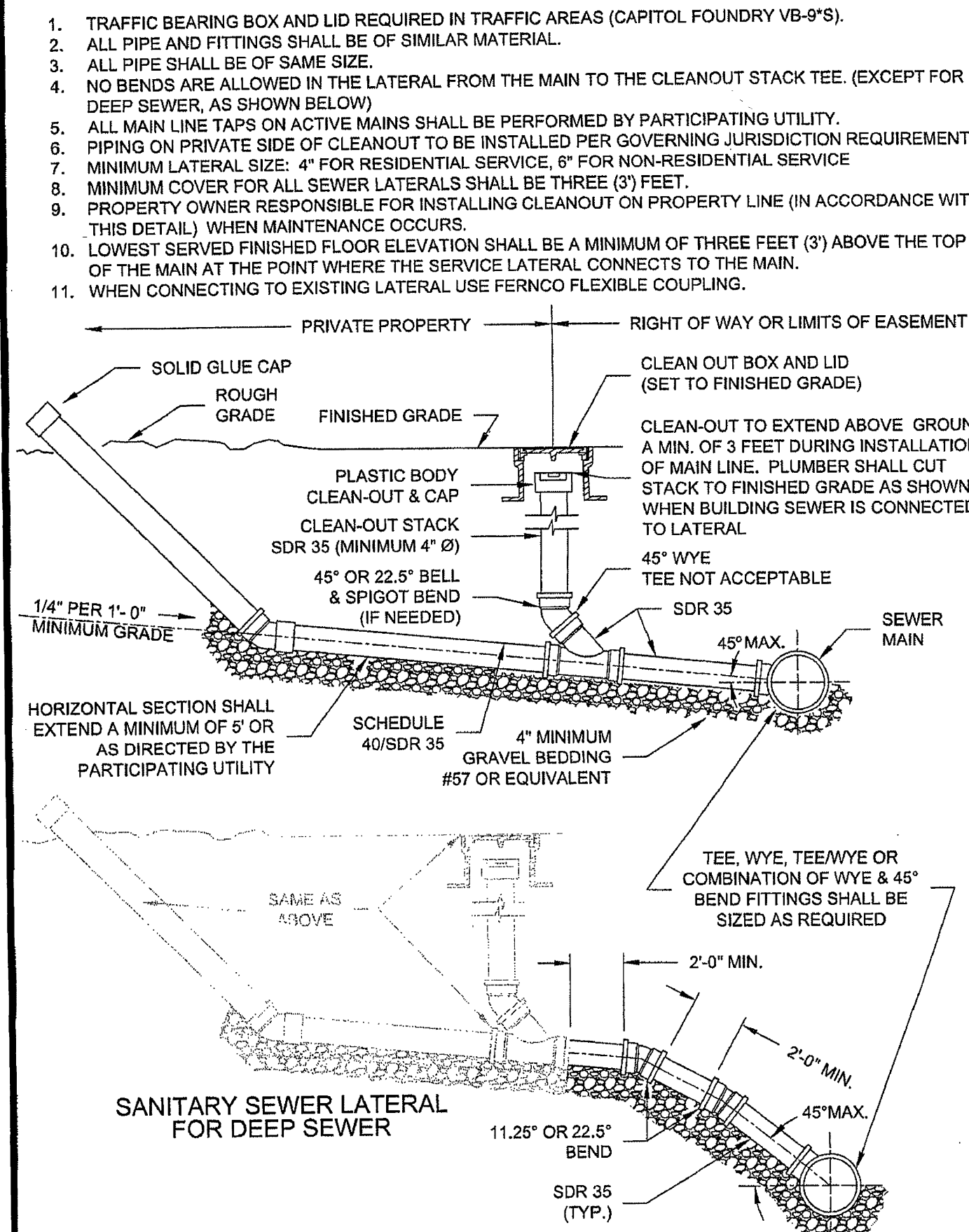


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

WATERTIGHT
MANHOLE COVER

S-5

01/01/12

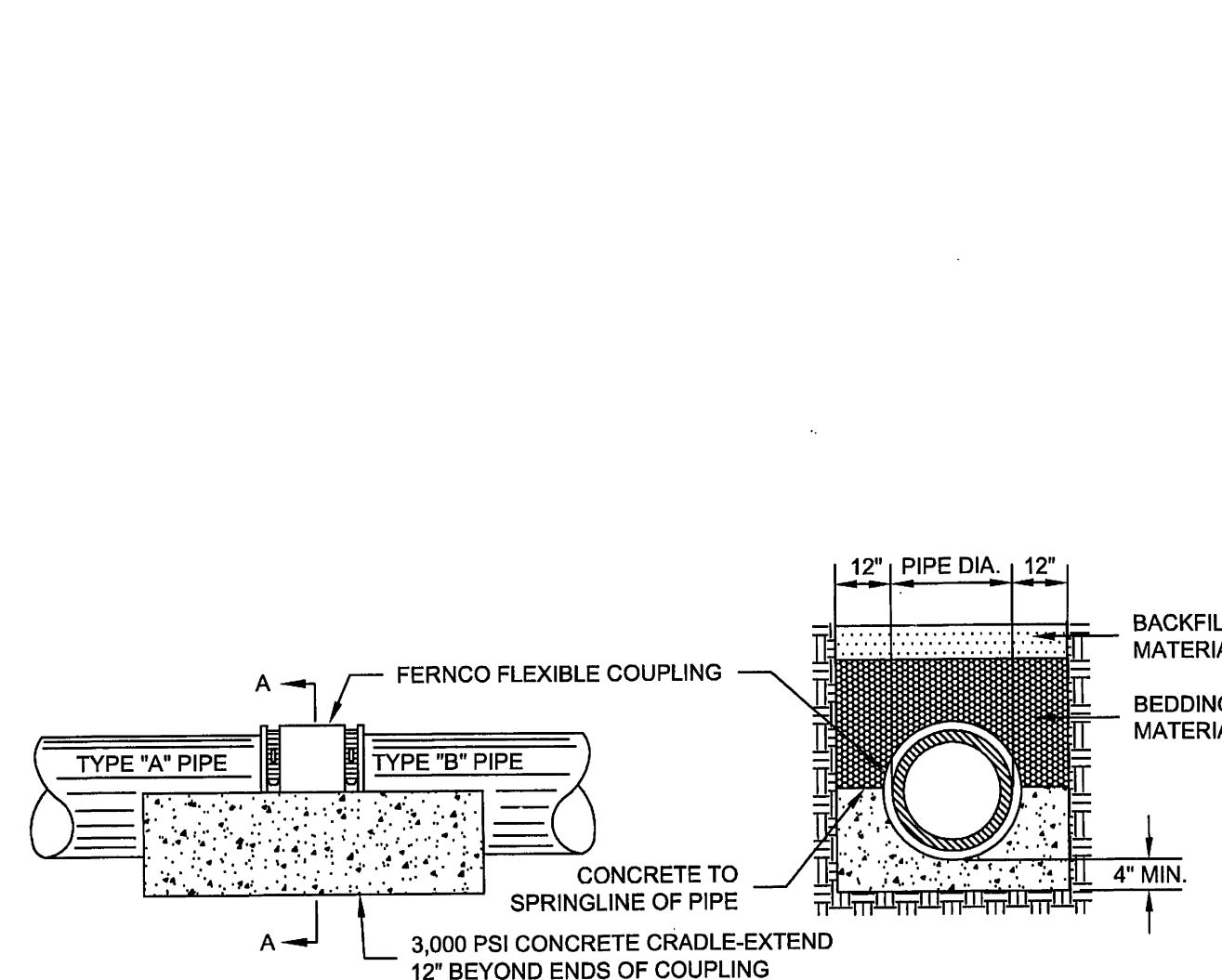


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER LATERAL

S-6

01/01/12

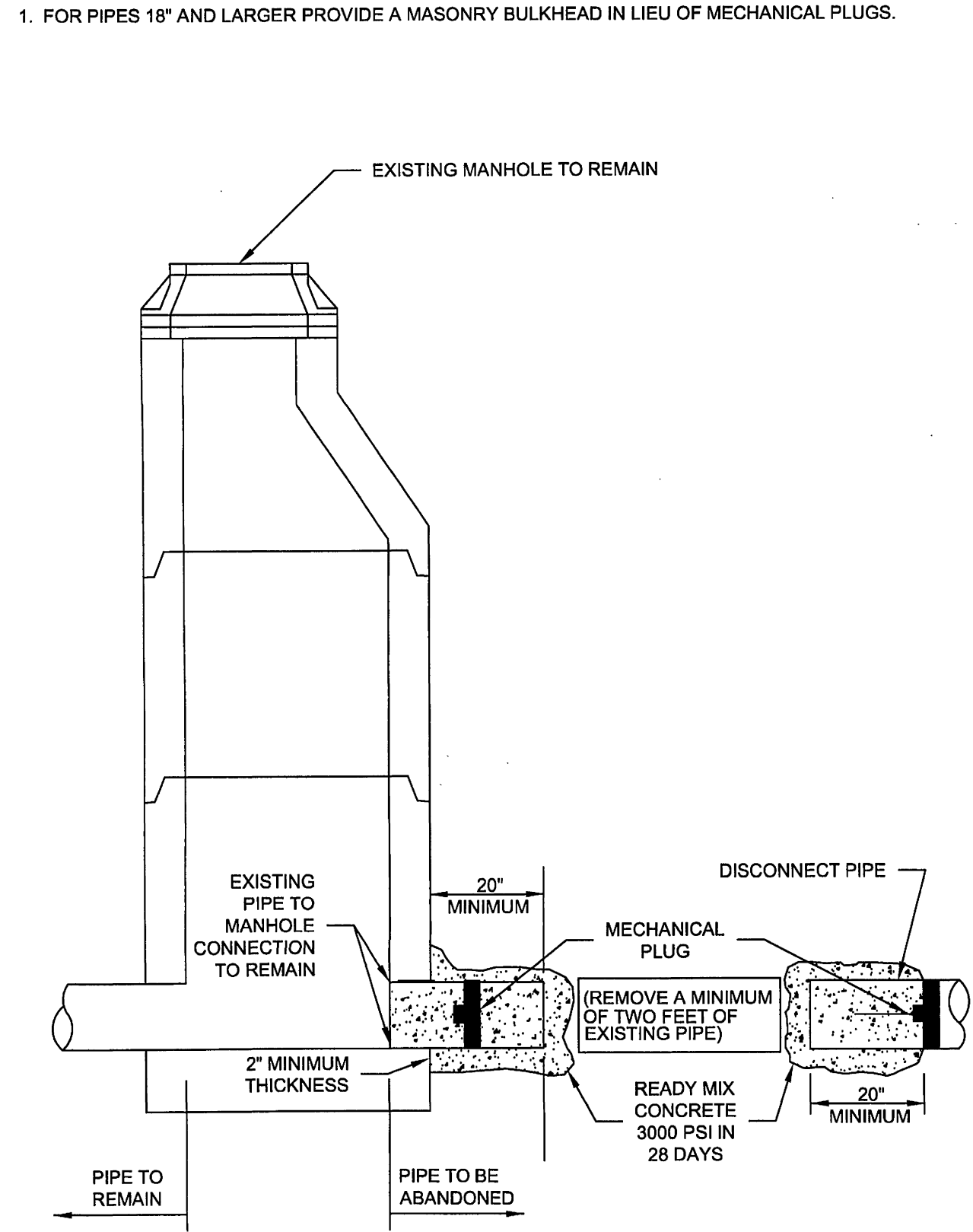


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

JOINING DISSIMILAR PIPE
FOR USE WITH EXISTING PIPE

S-11

01/01/12

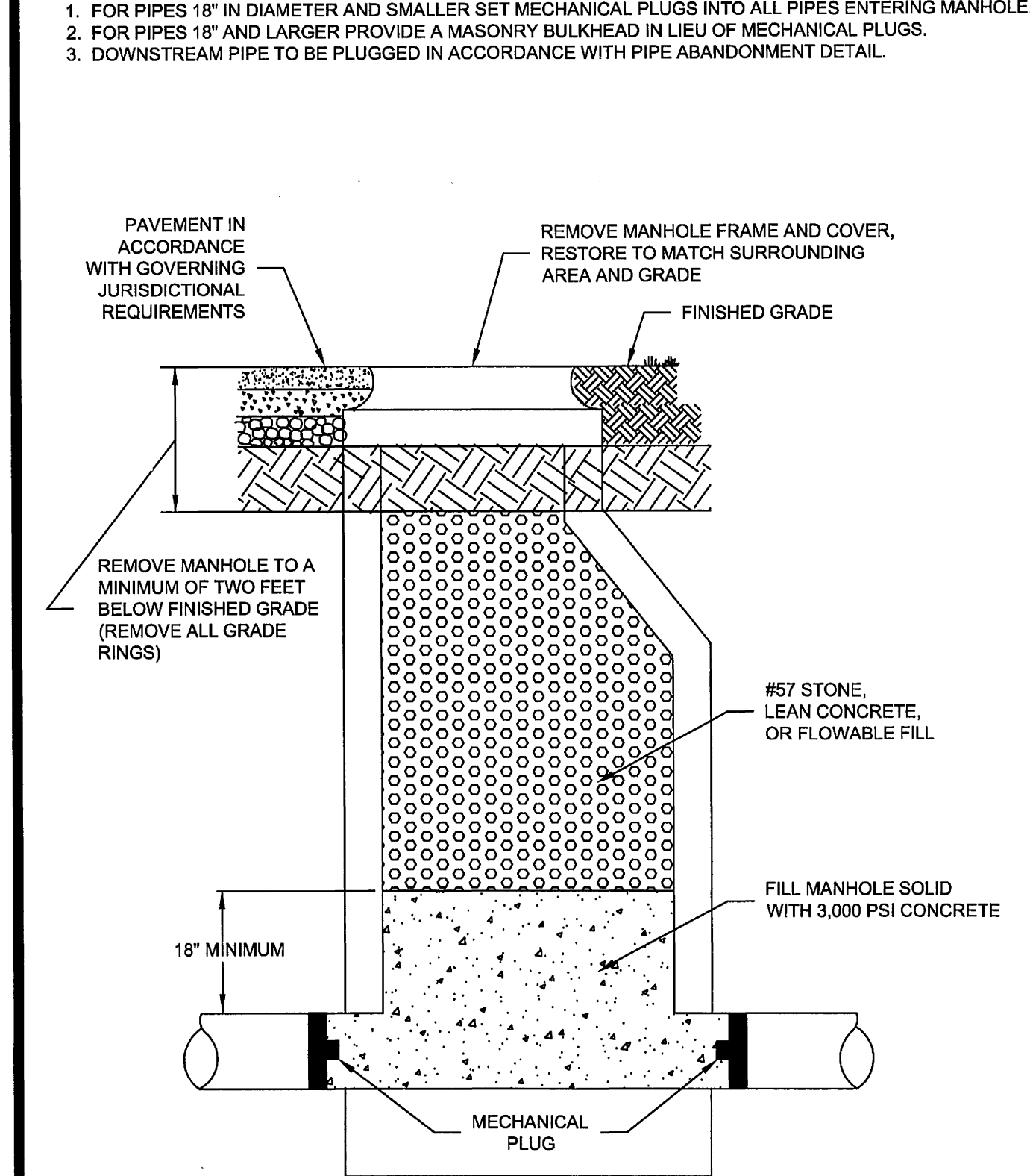


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER PIPE
ABANDONMENT AT A MANHOLE

S-15

01/01/12

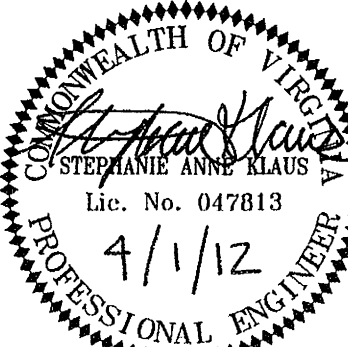


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER
MANHOLE ABANDONMENT

S-16

01/01/12



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DETAILS
WESTERN VIRGINIA WATER AUTHORITY
FY2011 VCWRLF COLLECTION SYSTEM PROJECTS
ROANOKE, VIRGINIA

REVISIONS

DESIGNED BY: SAK
DRAWN BY: LGB
CHECKED BY: LMR
SCALE: NO SCALE
DATE: APRIL 1, 2012
PROJECT NUMBER: B11132B-02

D-1