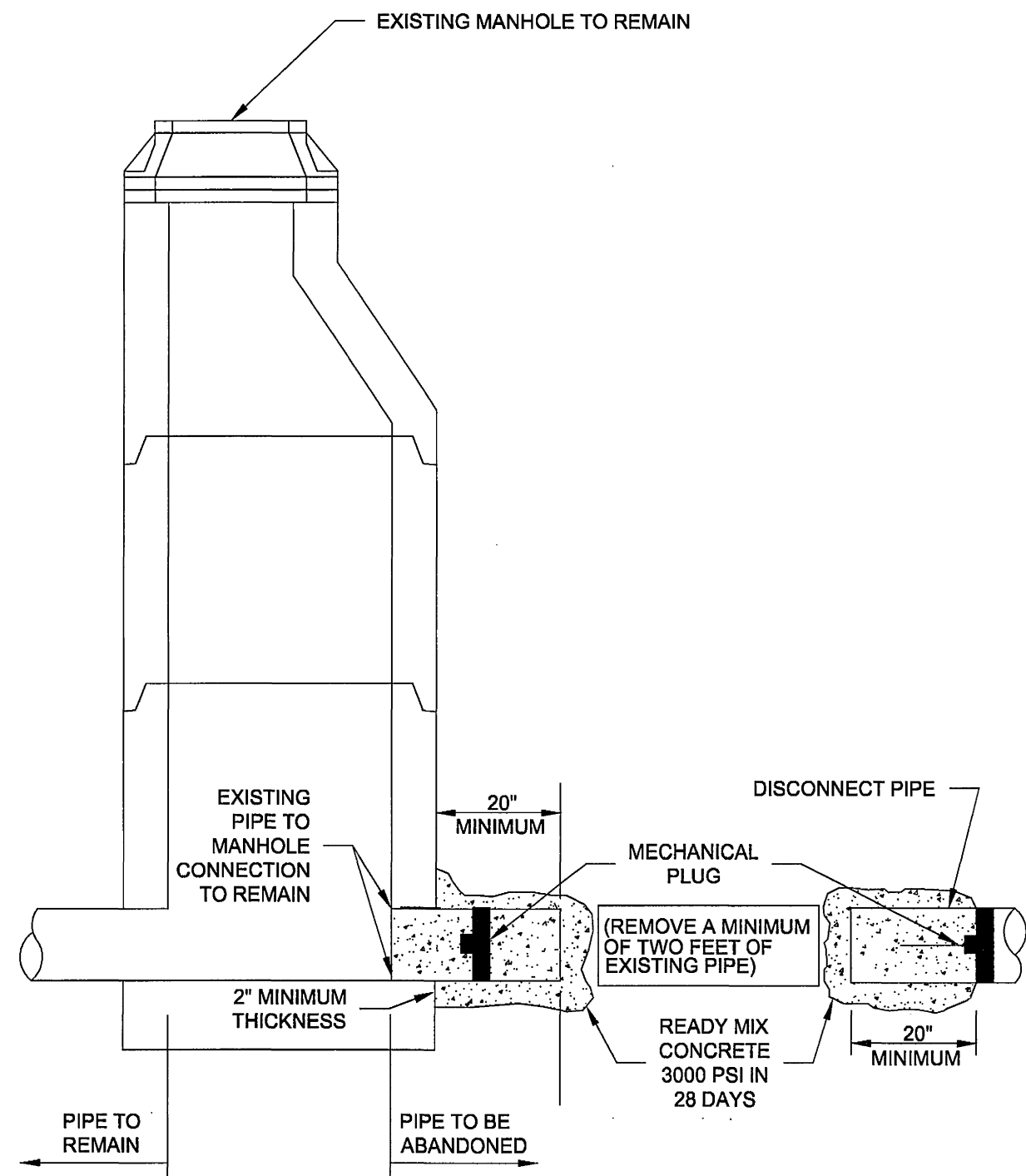


1. FOR PIPES 18" AND LARGER PROVIDE A MASONRY BULKHEAD IN LIEU OF MECHANICAL PLUGS.



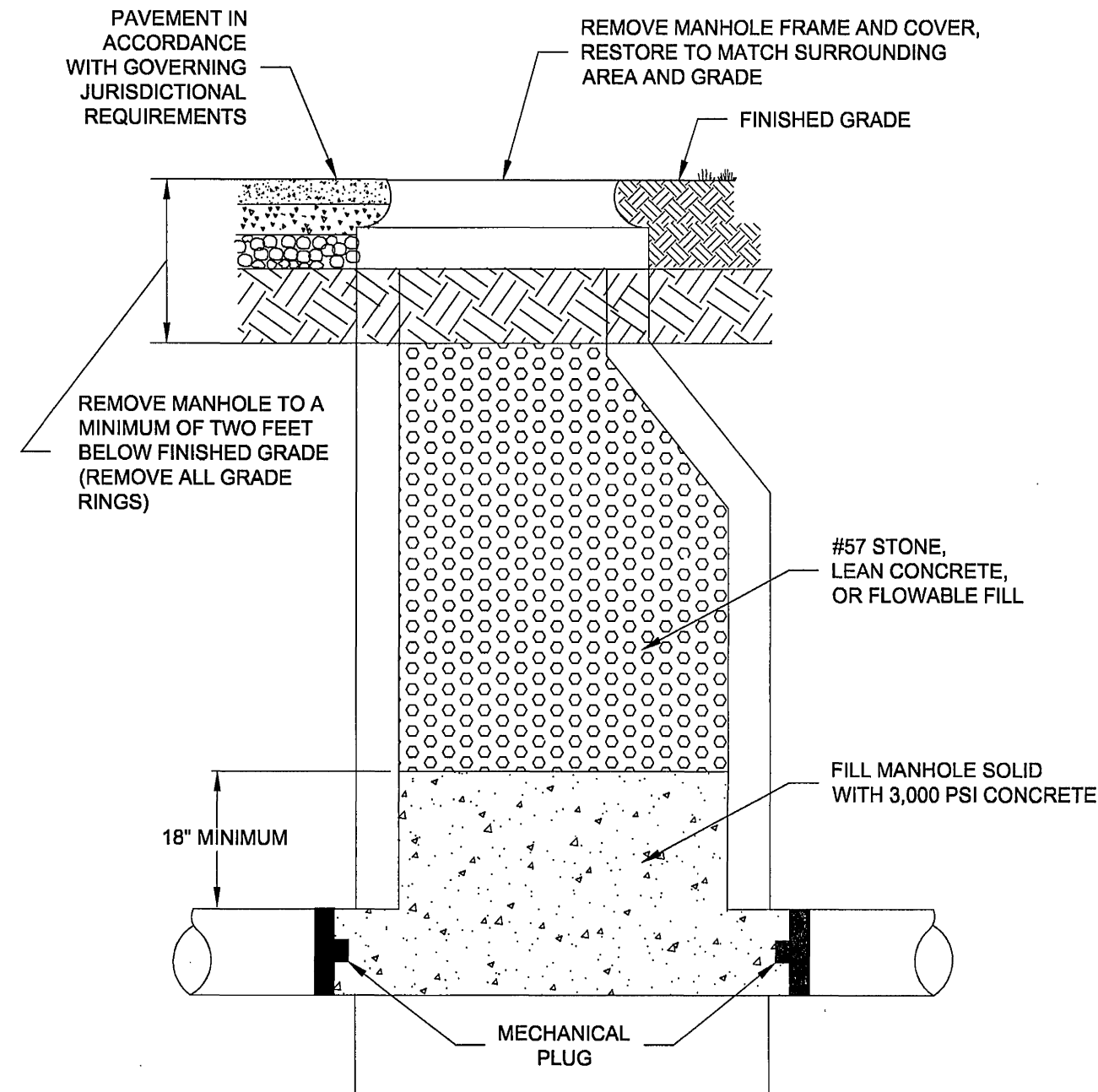
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER PIPE
ABANDONMENT AT A MANHOLE

01/01/12

S-15

1. FOR PIPES 18" IN DIAMETER AND SMALLER SET MECHANICAL PLUGS INTO ALL PIPES ENTERING MANHOLE.
2. FOR PIPES 18" AND LARGER PROVIDE A MASONRY BULKHEAD IN LIEU OF MECHANICAL PLUGS.
3. DOWNSTREAM PIPE TO BE PLUGGED IN ACCORDANCE WITH PIPE ABANDONMENT DETAIL.



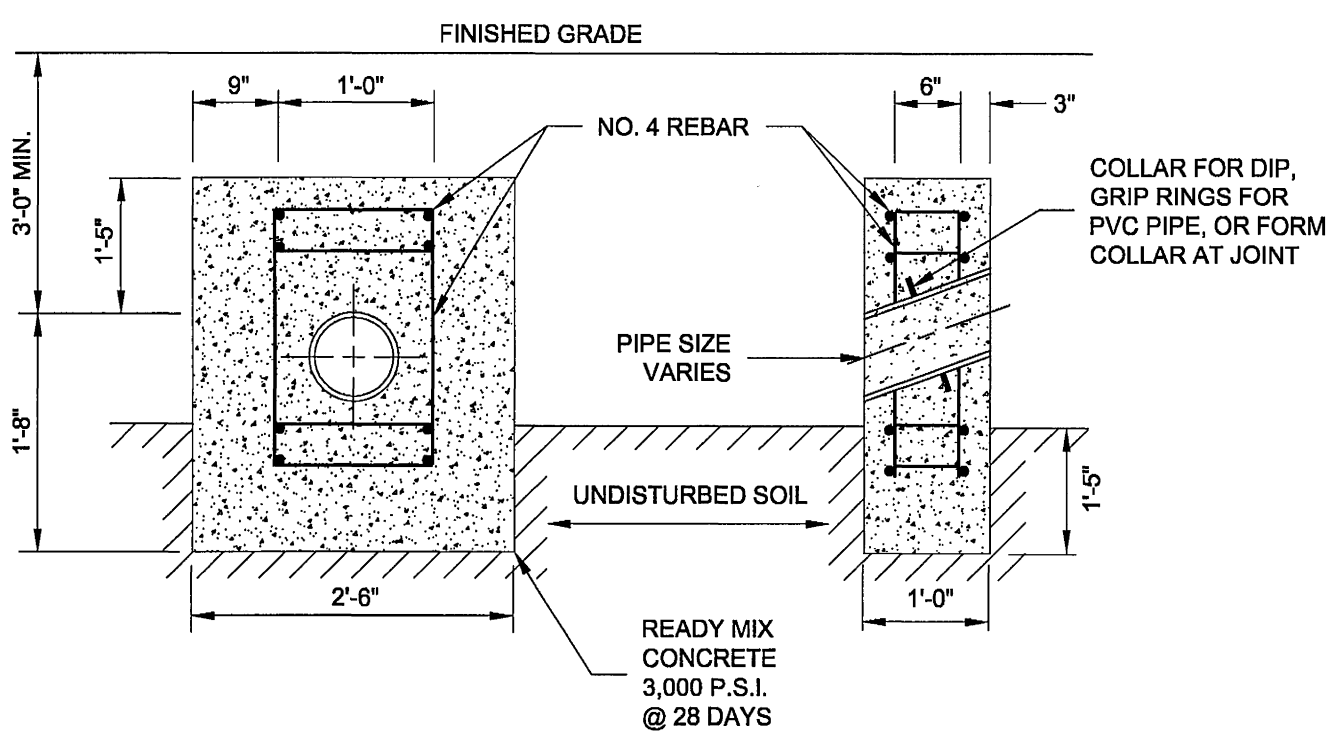
WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

SANITARY SEWER
MANHOLE ABANDONMENT

01/01/12

S-16

1. IN ADDITION TO ANCHOR BLOCKS, RESTRAINED JOINT PIPE WILL BE REQUIRED FOR ALL SLOPES EXCEEDING 20%
2. MINIMUM SPACING REQUIREMENTS SHALL BE AS FOLLOW:
* SLOPES 20% TO 35% - 36 FT ON CENTER
* SLOPES 35% TO 50% - 24 FT ON CENTER
* SLOPES 50% TO 60% - 16 FT ON CENTER
* ONLY ALLOWED WITH WRITTEN APPROVAL OF PARTICIPATING UTILITY

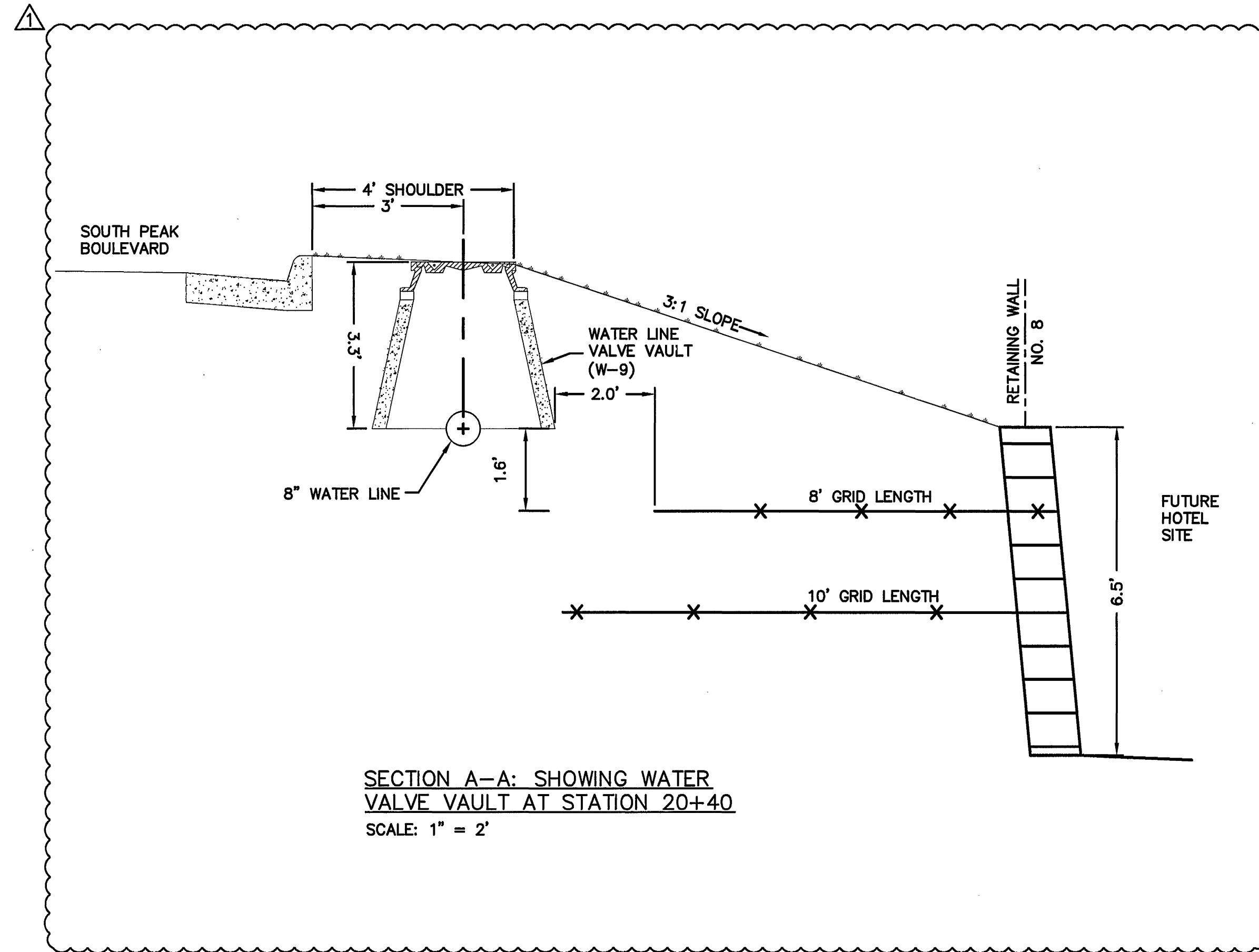


WESTERN VIRGINIA REGIONAL - CONSTRUCTION DETAIL

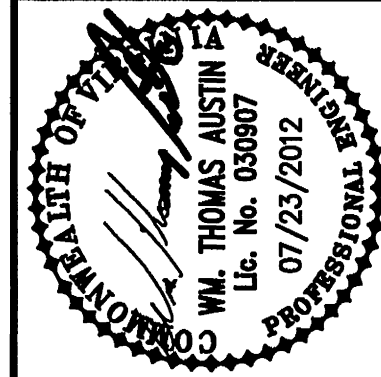
ANCHOR BLOCK

01/01/12

G-10



SECTION A-A: SHOWING WATER
VALVE VAULT AT STATION 20+40
SCALE: 1" = 2'



Revisions	Date
1. PLAN REVISION NO. 3	02/07/13

Issue Date:	JULY 23, 2012
Drawn By:	RWA
Designed By:	RM/WMA
Checked By:	WTA
Date:	07/23/2012

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SOUTH PEAK BOULEVARD
SMITH/PACKETT MED-COM, LLC
DETAILS & SECTIONS - WWA
SEWER & WATER DETAILS
ROANOKE COUNTY, VIRGINIA

Vertical Scale:
N/A

Horizontal Scale:

Commission Number:
3101B

Sheet No.:

C-12A