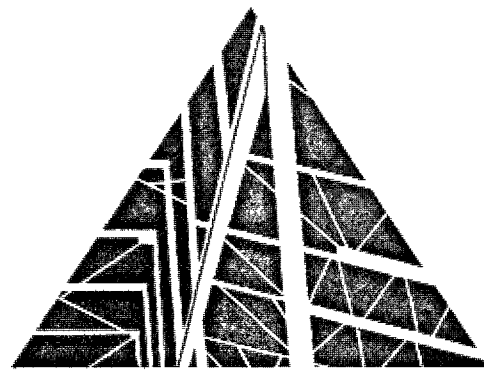




SPECTRUM DESIGN
architects | engineers

10 CHURCH AVE SE, PLAZA SUITE 1 ROANOKE, VIRGINIA 24011 540.342.6001

GLENVAR HIGH SCHOOL RENOVATIONS & ADDITIONS

ROANOKE COUNTY

VA DOE PROJECT#:80-61-00-101

SPECTRUM DESIGN PROJECT NO. 13054

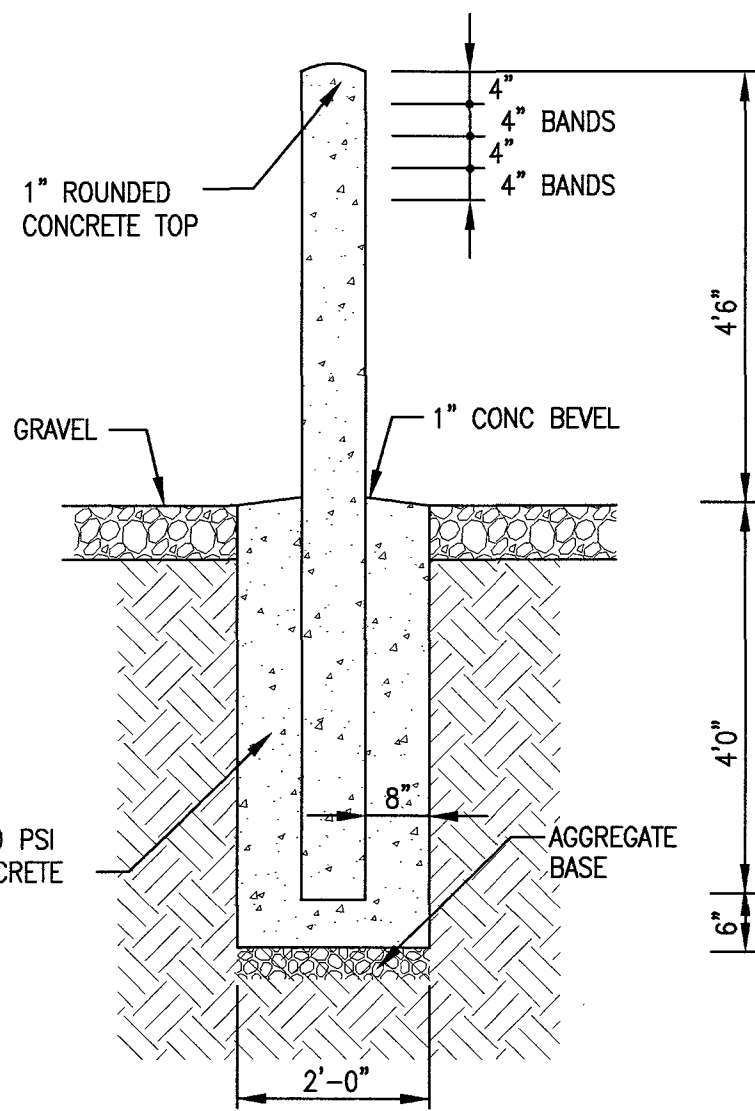


DATE: 06 APRIL 2014
DESIGN ARCHITECT: C2V
PROJECT ARCHITECT: MF
CHECKED BY: 1
DRAWN BY: 2
REVISIONS: 1
COUNTY REVIEW #1: 2
COUNTY REVIEW #2: 05/15/14
DATE: 06/05/14

SHEET TITLE

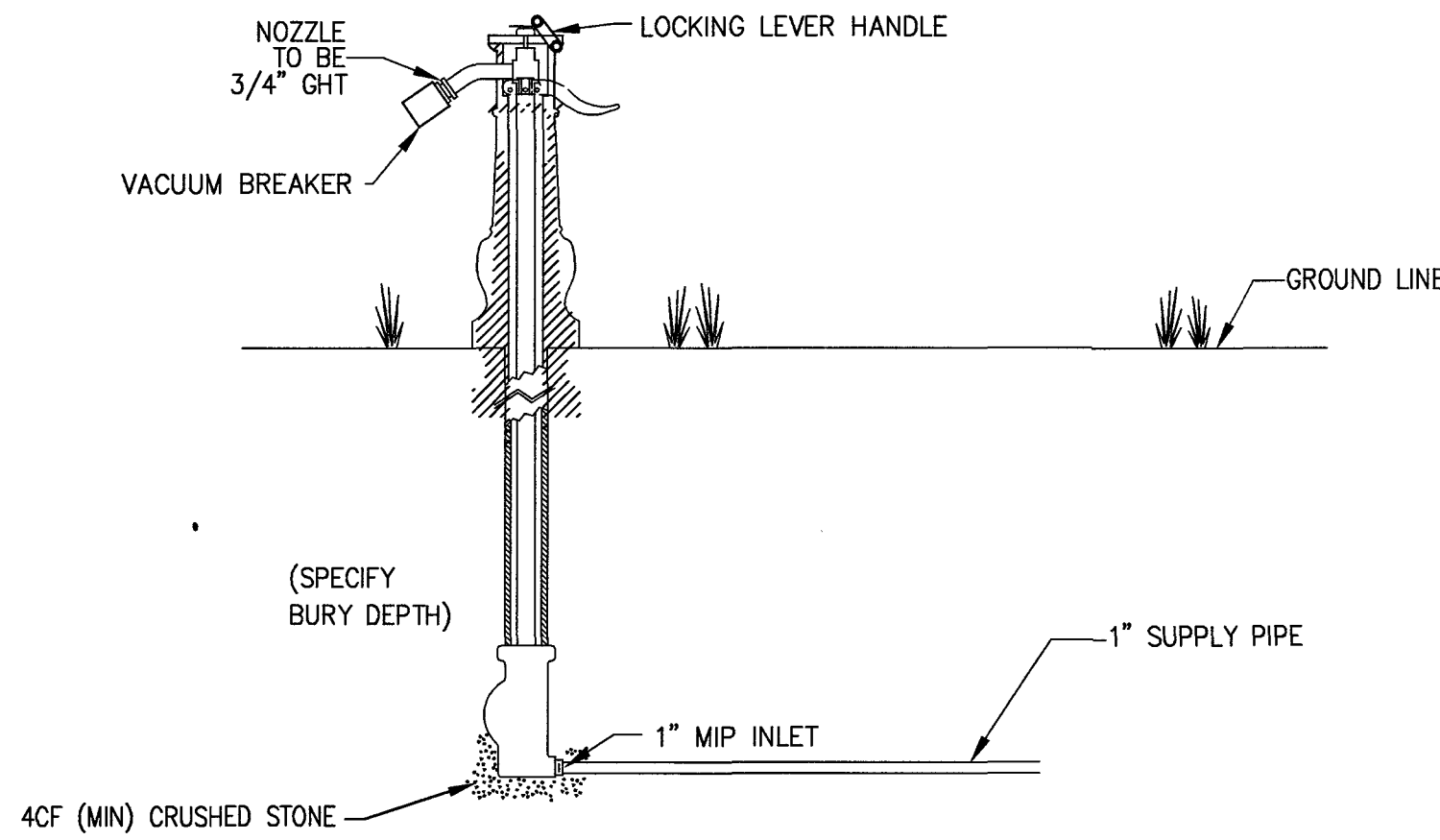
CONSTRUCTION DETAILS

C506



60 TRAFFIC BOLLARD DETAIL (8" DIA)

SCALE: 1/2"=1'-0"
NOTE:
8" DIAMETER SCH 40 STEEL PIPE BOLLARD FILLED WITH 3000 PSI CONCRETE. PAINT WITH RUST PROHIBITIVE PRIMER AND ENAMEL (INTERNATIONAL YELLOW)



YARD HYDRANTS SHALL BE TOTAL ECLIPSE #7 YARD HYDRANTS AS MANUFACTURED BY JOHN C. KUPFERLE FOUNDRY CO., ST. LOUIS, MO.

YARD HYDRANTS SHALL BE SELF-DRAINING, NON-FREEZING, SELF CLOSING COMPRESSION TYPE. INLET CONNECTION SHALL BE 1" IP. OUTLET SHALL BE 3/4" GHT.

YARD HYDRANTS SHALL HAVE A STEEL PIPE RISER WITH A CAST IRON CASING GUARD. PRINCIPAL INTERIOR OPERATING PARTS SHALL BE BRASS AND REMOVABLE FROM YARD HYDRANT FOR SERVICING WITHOUT EXCAVATION.

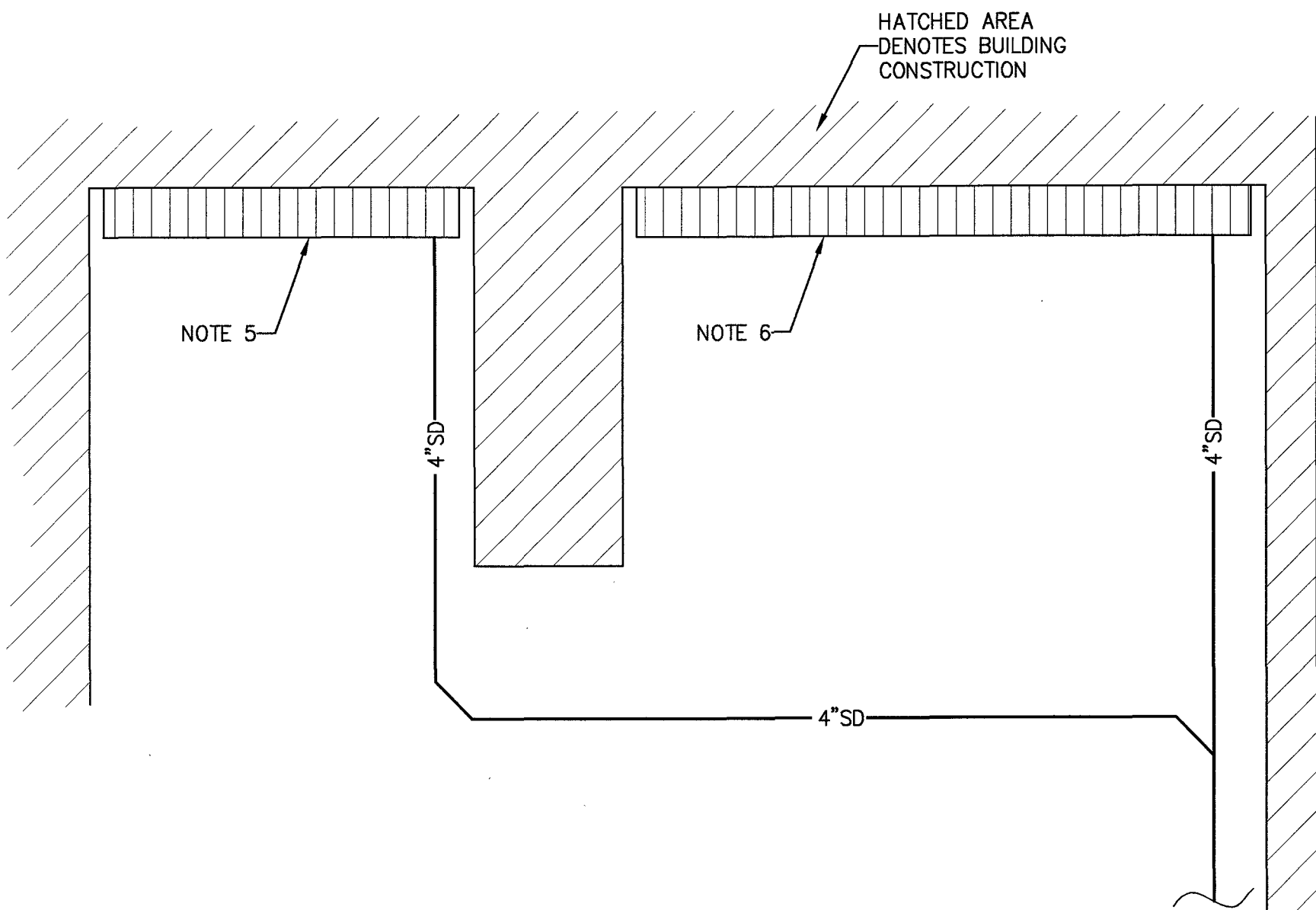
YARD HYDRANTS SHALL BE SET IN 4 CUBIC FEET OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE. RECOMMENDATIONS OF THE AWWA SHOULD BE FOLLOWED WHEN INSTALLING THE YARD HYDRANT.

61 FROSTPROOF YARD HYDRANT

NO SCALE

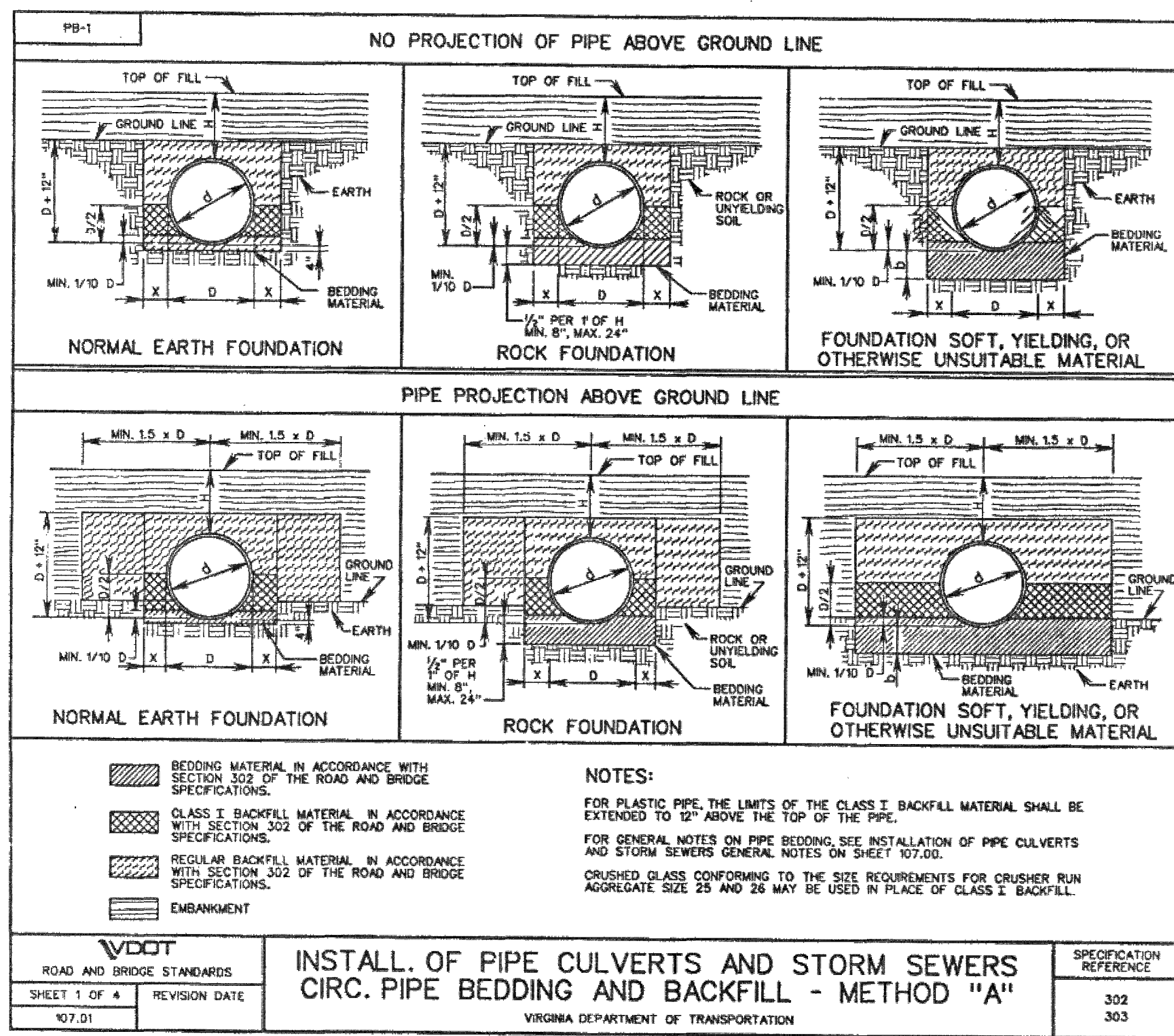
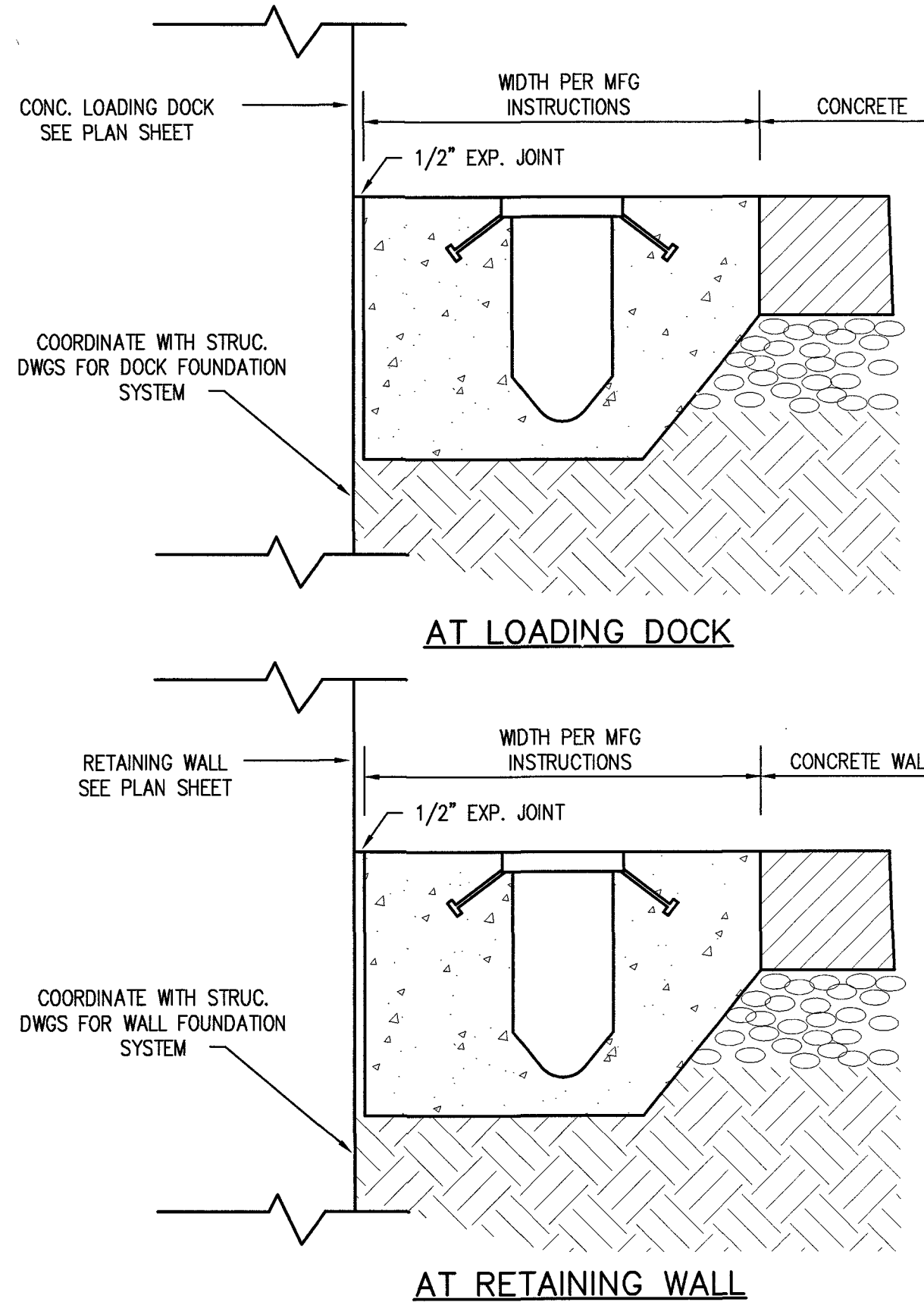
TRENCH DRAIN NOTES:

1. ANY KEYS OR TOOLS NECESSARY FOR MAINT. SHALL BE INCLUDED BY THE CONTRACTOR.
2. PRODUCT SHALL BE ACO CLASSIC DRAIN.
3. INSTALL PER MFG. INSTRUCTIONS.
4. PROVIDE H2O RATED, ADA COMPLIANT DUCTILE IRON GRATES.
5. (3) 1-METER SLOPED CHANNELS WITH 4" ROUND BOTTOM OUTLET, VERTICAL OUTLET STRAINER AND END CAPS. START INVERT DEPTH=10.98"; END INVERT DEPTH=11.69".
6. (7) 1-METER SLOPED CHANNELS AND (1) 0.5 METER NEUTRAL CHANNEL WITH 4" ROUND BOTTOM OUTLET AND VERTICAL OUTLET STRAINER AND END CAPS. START INVERT DEPTH = 10.04"; END INVERT DEPTH = 11.69".



64 TRENCH DRAIN DETAIL

NO SCALE



65 STORM LINE TRENCH SECTION FOR HDPE PIPE ONLY

NO SCALE

APPROVED