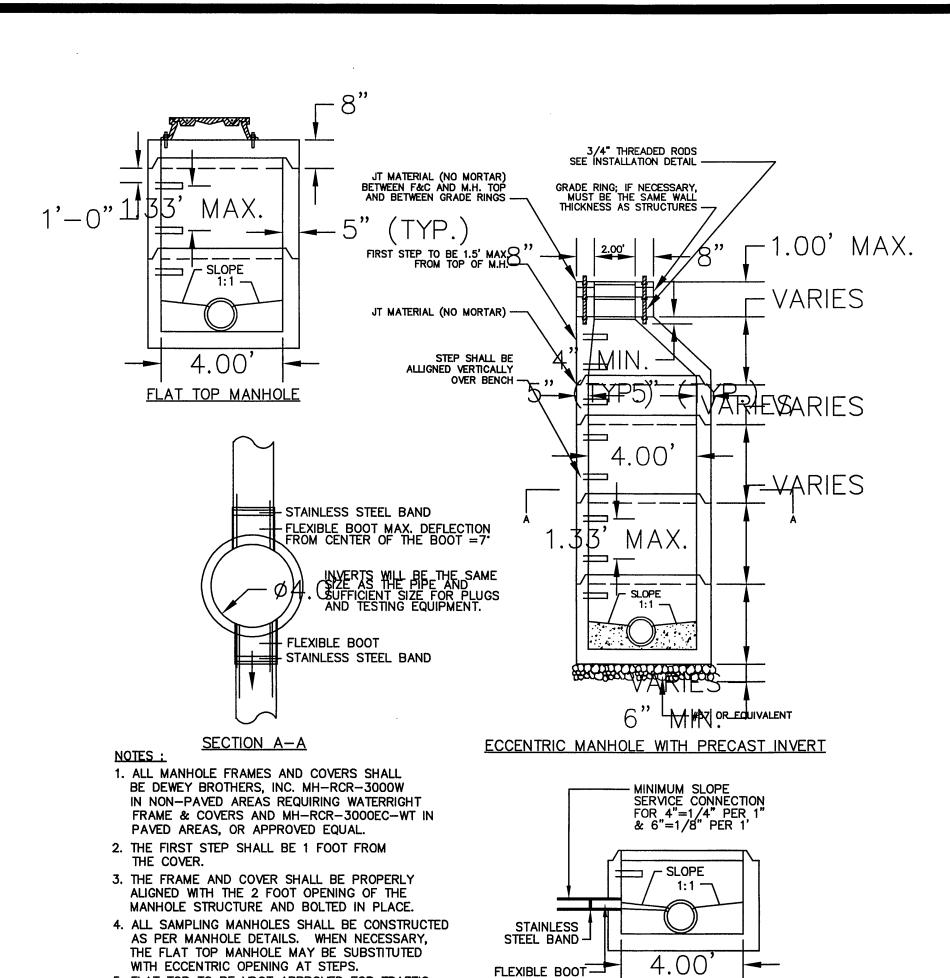


THE INVERT CHANNELS SHALL BE FORMED WITH CONCRETE AS SHOWN AND SHALL BE SMOOTH AND SEMI-CIRCULAR IN SHAPE, CONFORMING TO THE INSIDE OF THE ADJACENT SEWER SECTION. CHANGES IN THE DIRECTION OF FLOW SHALL BE MADE WITH A SMOOTH CURVE OF AS LARGE A RADIUS AS SIZE OF MANHOLE WILL PERMIT.

MAINHOLE INVERT CHANNELING



WRITTEN APPROVAL FROM THE ENGINEER FOR THE USE OF SUCH STEPS.

MANHOLE STEP

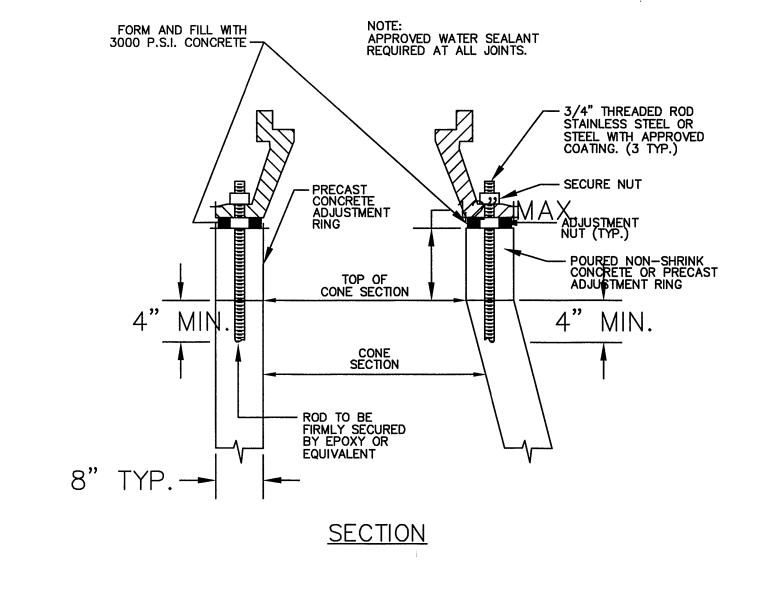
NTS

AS, BUT NOT LIMITED TO, CORRUGATED KNURLED, OR DIMPLED SURFACES.

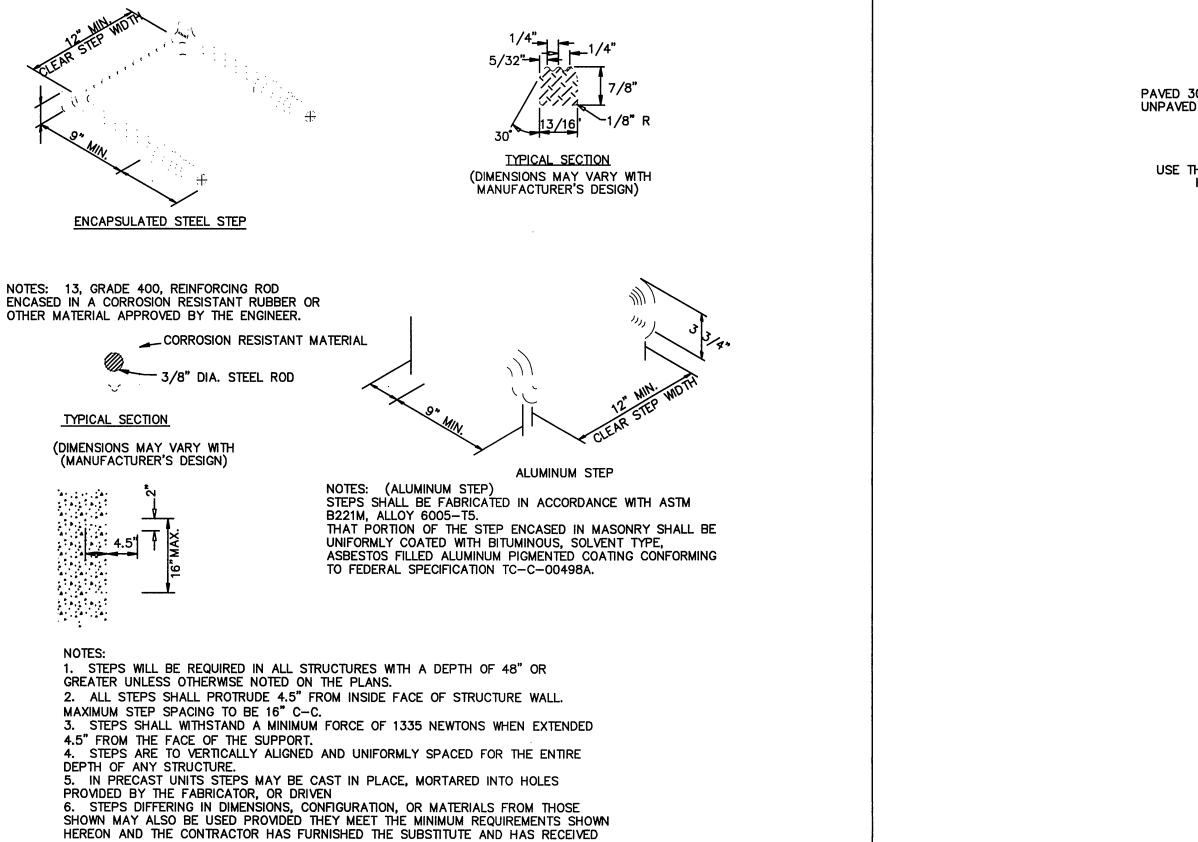
7. ALL STEPS INSTALLED SHALL BE PROVIDED WITH SLIP-RESISTANT SURFACES SUCH

5. FLAT TOP TO BE VDOT APPROVED FOR TRAFFIC BEARING WHEN USED IN AREAS SUBJECT TO

TRAFFIC. 8' MIN.

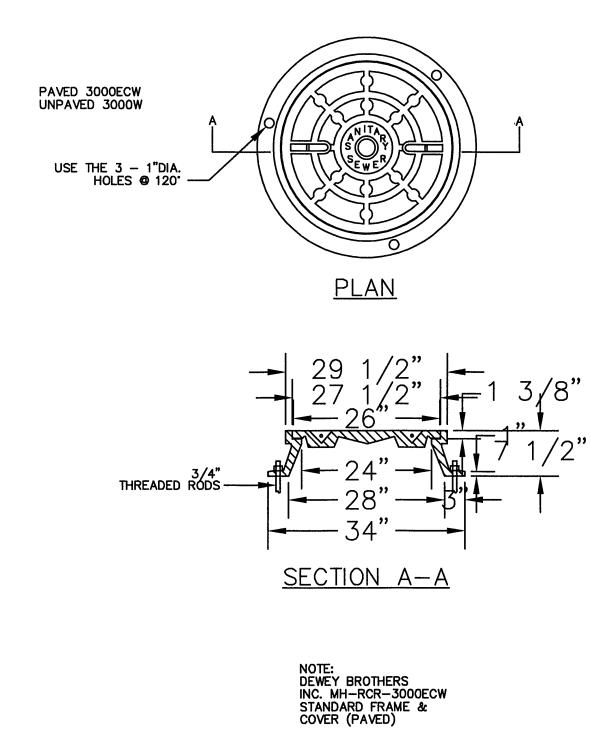


INSTALLATION DETAIL FOR ALL FRAMES AND COVERS

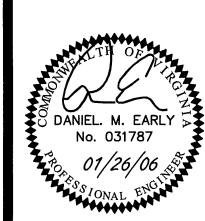


MINIMUM OF 3" EMBEDMENT

SERVICE CONNECTION



STANDARD MANHOLE FRAME & COVER



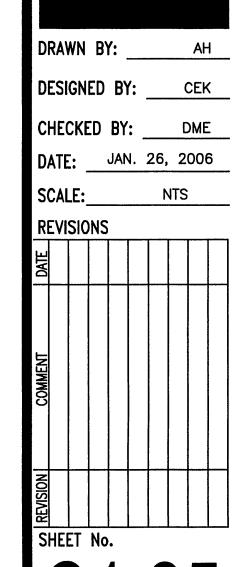
## ACS DESIGN

Engineering-Planning-Surveying
Construction Management

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## H PLANTATION SEWER SYSTEM IASE 1 OUNTY, VIRGINIA

## COMMUNITY SEWER PHASE 1



SANITARY DETAILS

JOB No. <u>05076</u>