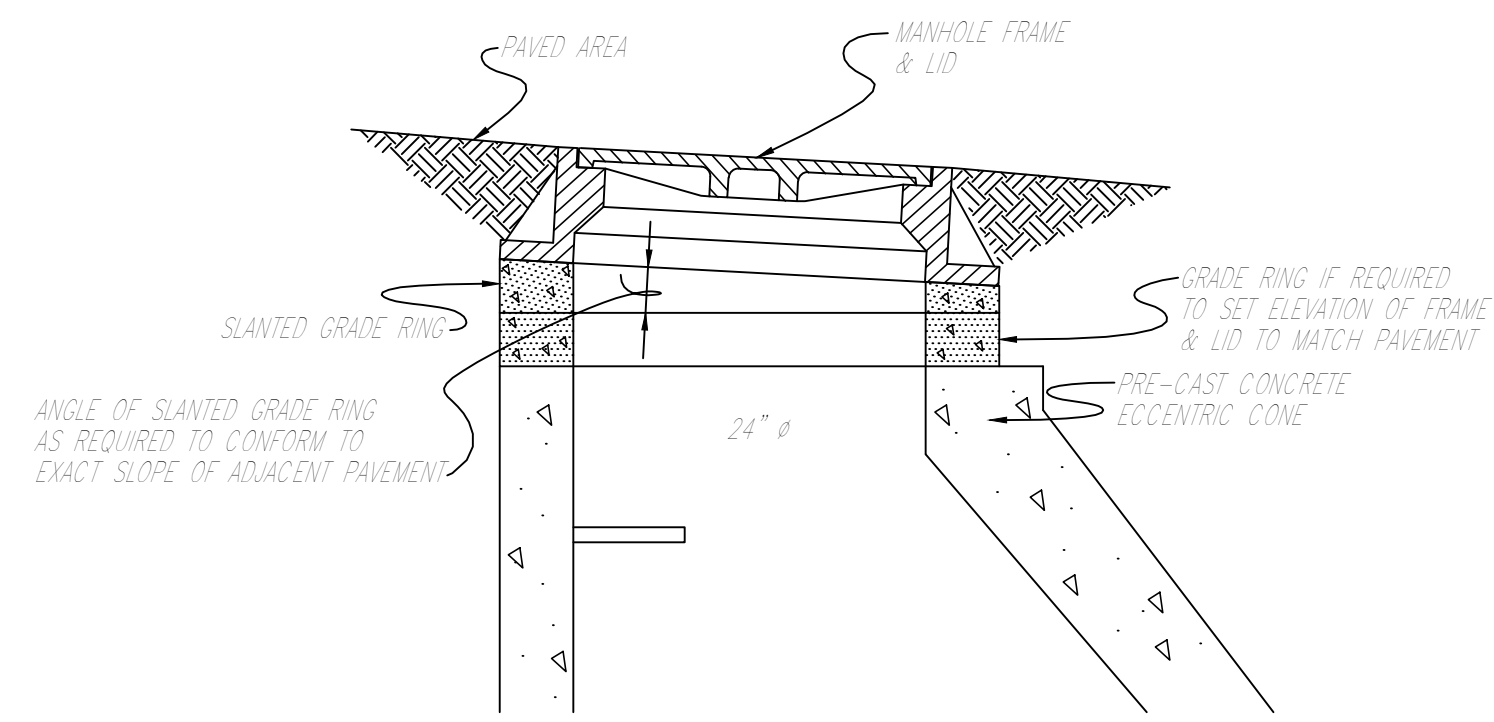


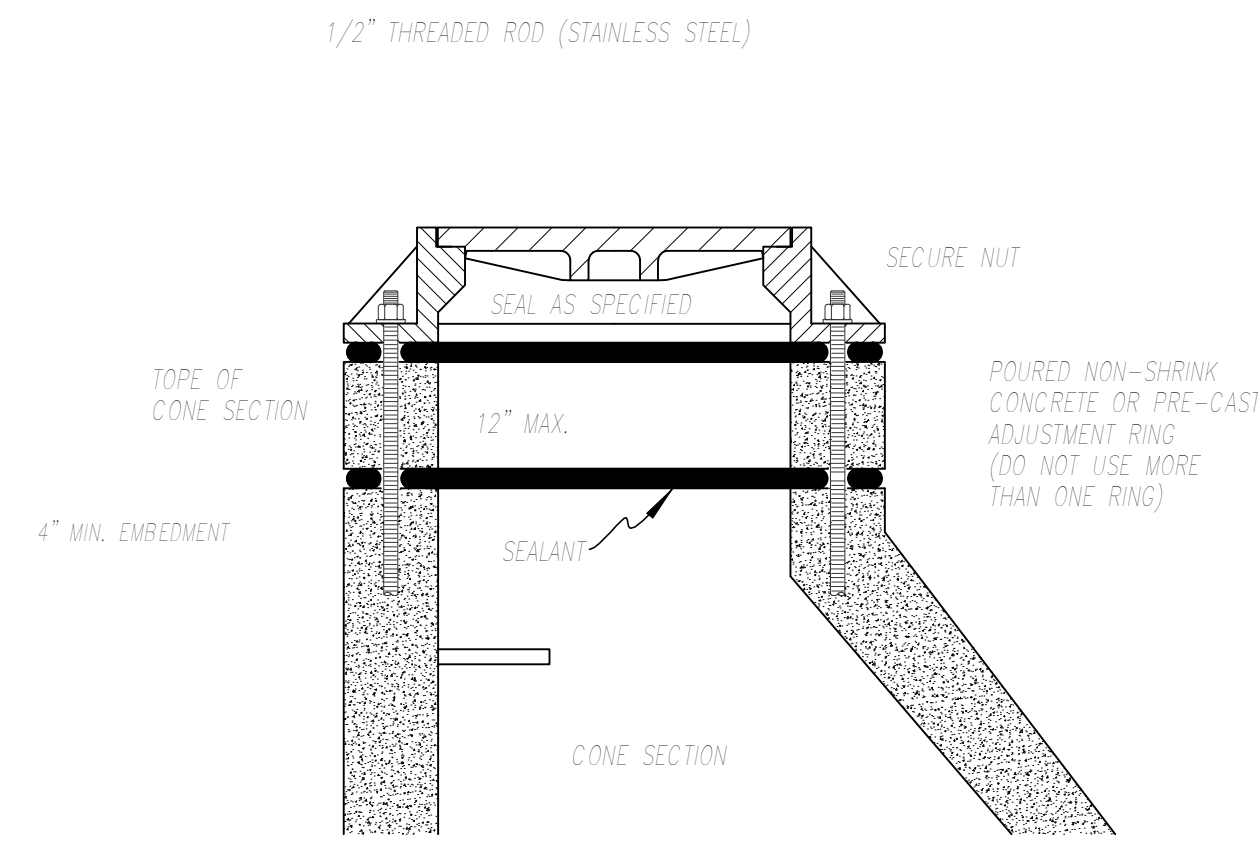
NOTE:  
MIN. WT. LID ~ 150 lbs.  
MIN. WT. LID/FRAME ASSY. ~ 385 lbs.  
ALL STEEL ASTM A-48 W/ MACHINED SEATING EDGES



DETAIL - GRADE RINGS

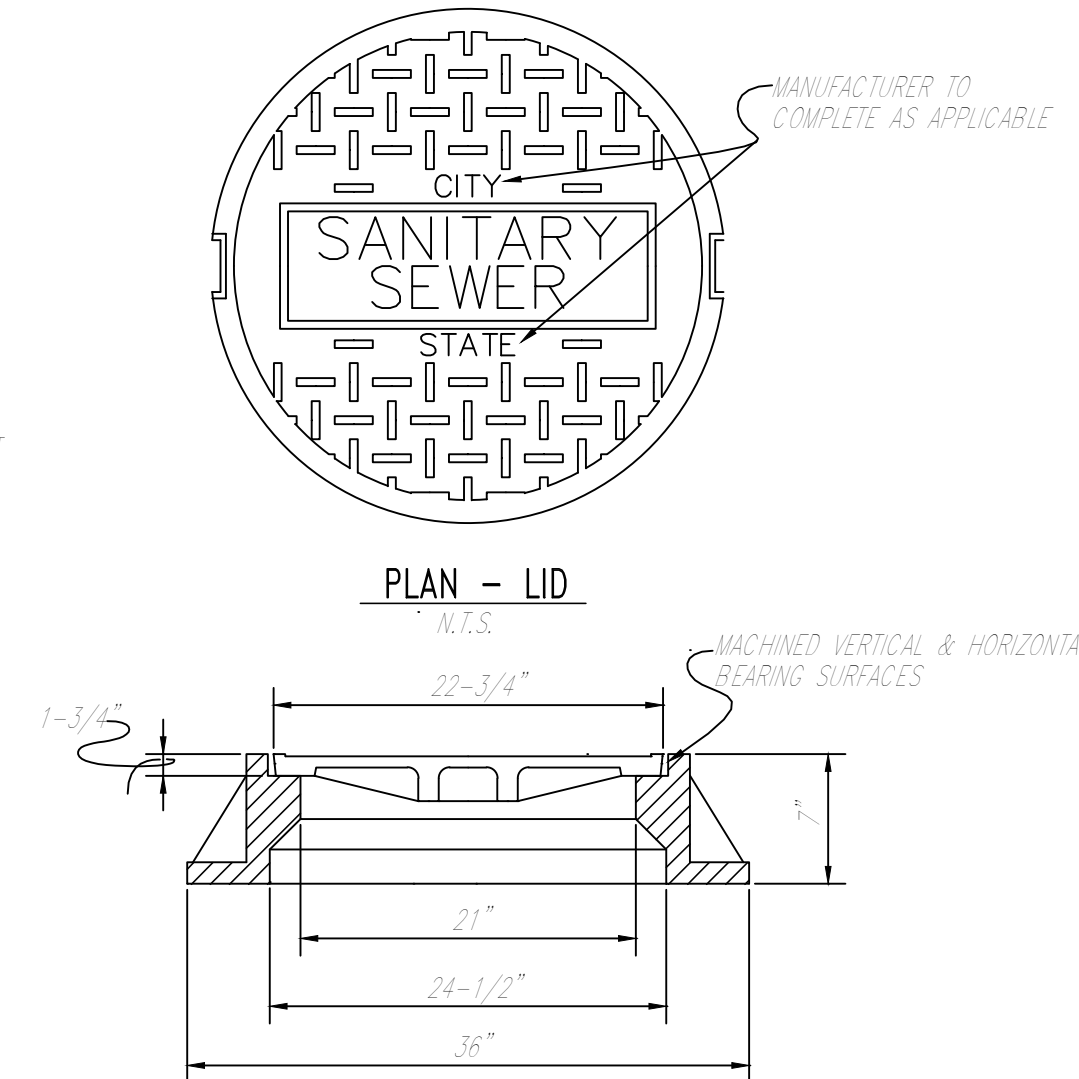
N.T.S. (025-01)

NOTE: INSTALL SEALING COMPOUND IN ALL JOINTS TO INCLUDE BENEATH FRAME.



DETAIL: SANITARY SEWER  
INSTALLATION DETAIL FOR  
ALL FRAMES AND COVERS

N.T.S.



SECTION - MANHOLE & LID

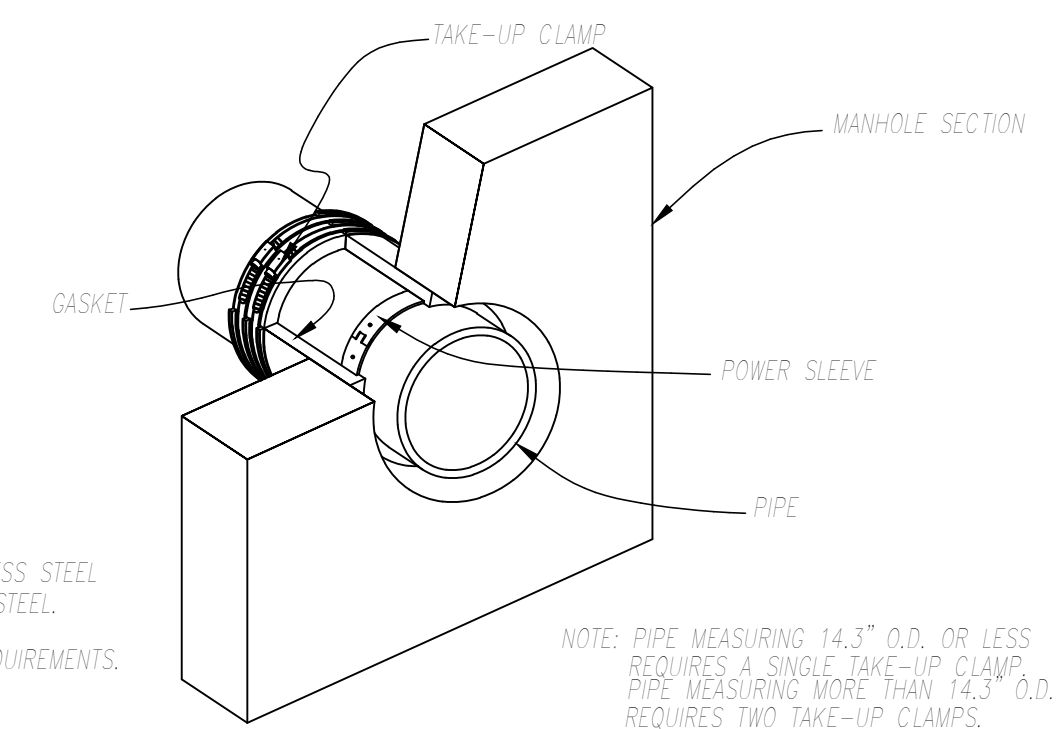
N.T.S. (025-08)

GASKET: THICKNESS OF GASKET MATERIAL .375  
TENSILE STRENGTH OF RUBBER 1800 PSI MIN.  
ELONGATION OF RUBBER 450% - 550%  
DIAMETER OF RUBBER 42 +5  
ALL RUBBER MEETS ASTM C-923 REQUIREMENTS.

POWER EXPANSION SLEEVE: 1.5" X 120" TYPE 304 STAINLESS STEEL  
TENSILE STRENGTH OF STEEL 85,000 PSI  
YIELD STRENGTH OF STEEL 35,000 PSI  
POWER EXPANSION SLEEVE STAINLESS STEEL MEETS ALL REQUIREMENTS OF ASTM C-923

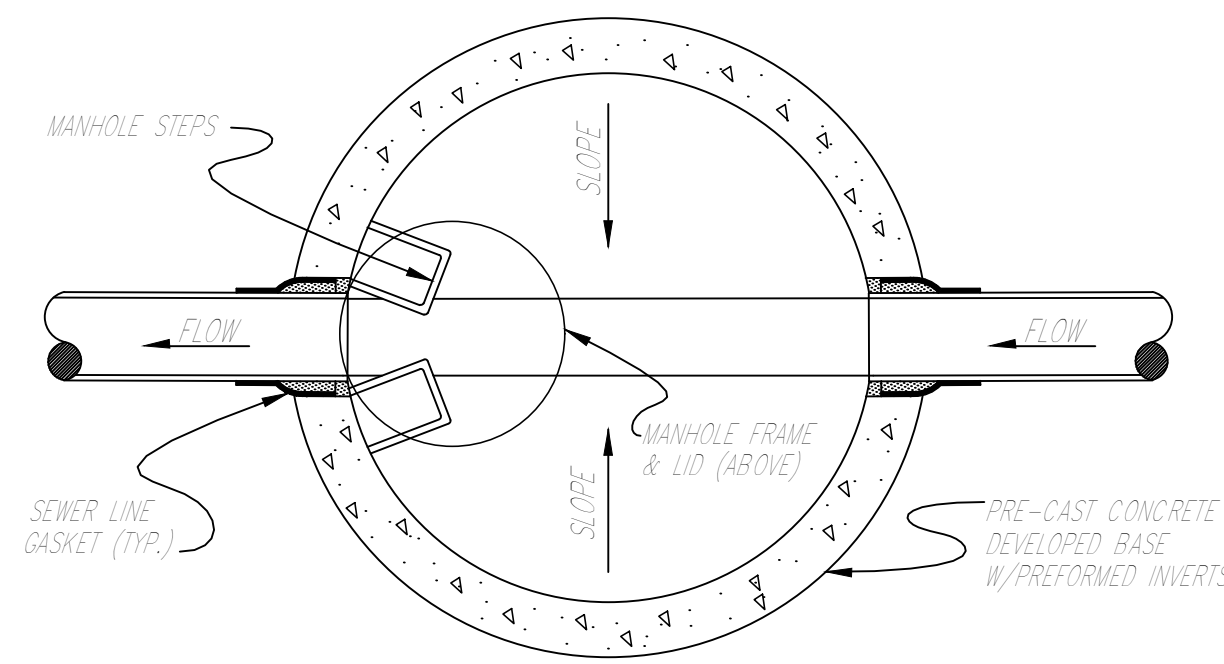
TAKE-UP CLAMP: BAND, SADDLE AND HOUSING MADE OF TYPE 302 STAINLESS STEEL  
BREEZE CLAMP, SCREW MADE OF TYPE 305 STAINLESS STEEL.  
BREEZE STAINLESS STEEL CLAMPS MEET ASTM C-923 REQUIREMENTS.

GASKET MANUFACTURED BY PRESS SEAL GASKET CO.

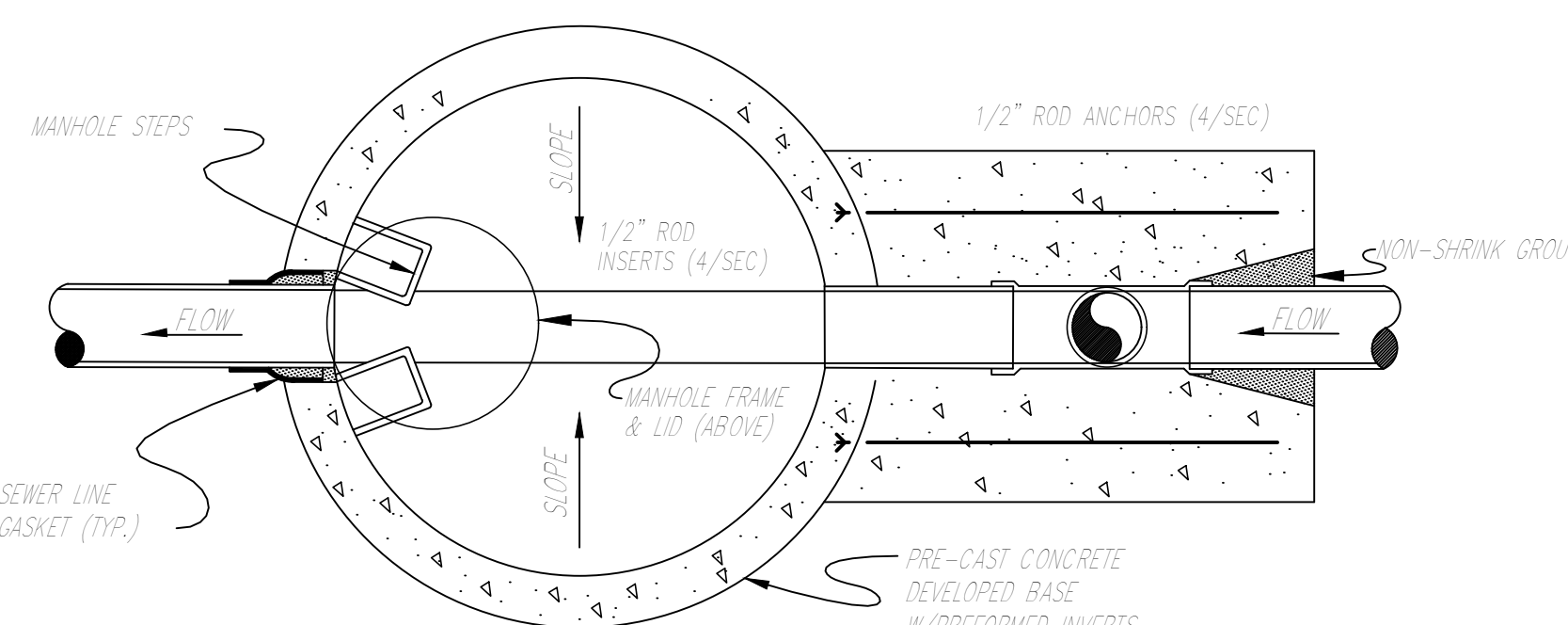


FORCE MAIN/MANHOLE TIE-IN

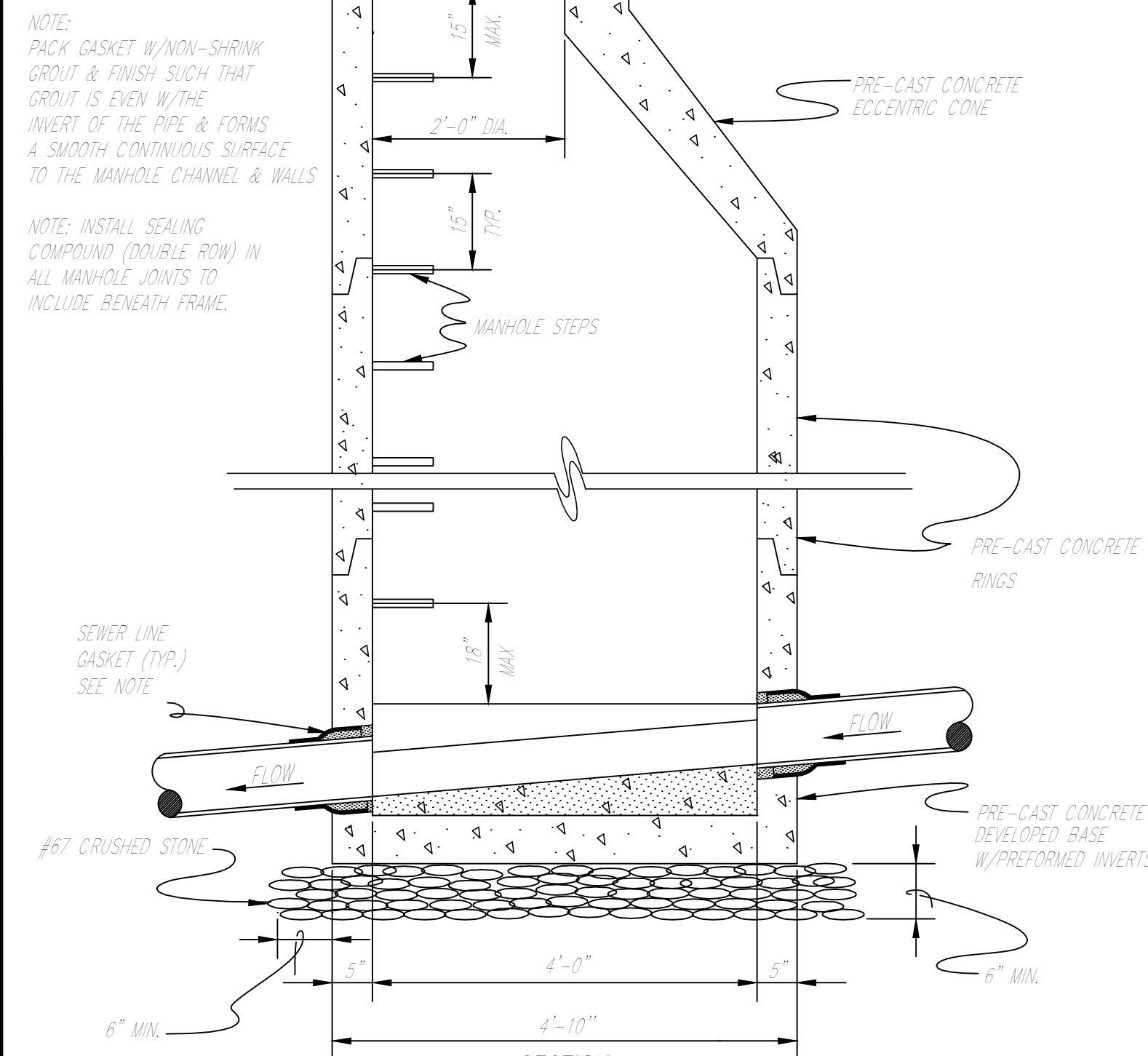
NOTE: PIPE MEASURING 14.3" O.D. OR LESS REQUIRES A SINGLE TAKE-UP CLAMP.  
PIPE MEASURING MORE THAN 14.3" O.D. REQUIRES TWO TAKE-UP CLAMPS.



PLAN



PLAN

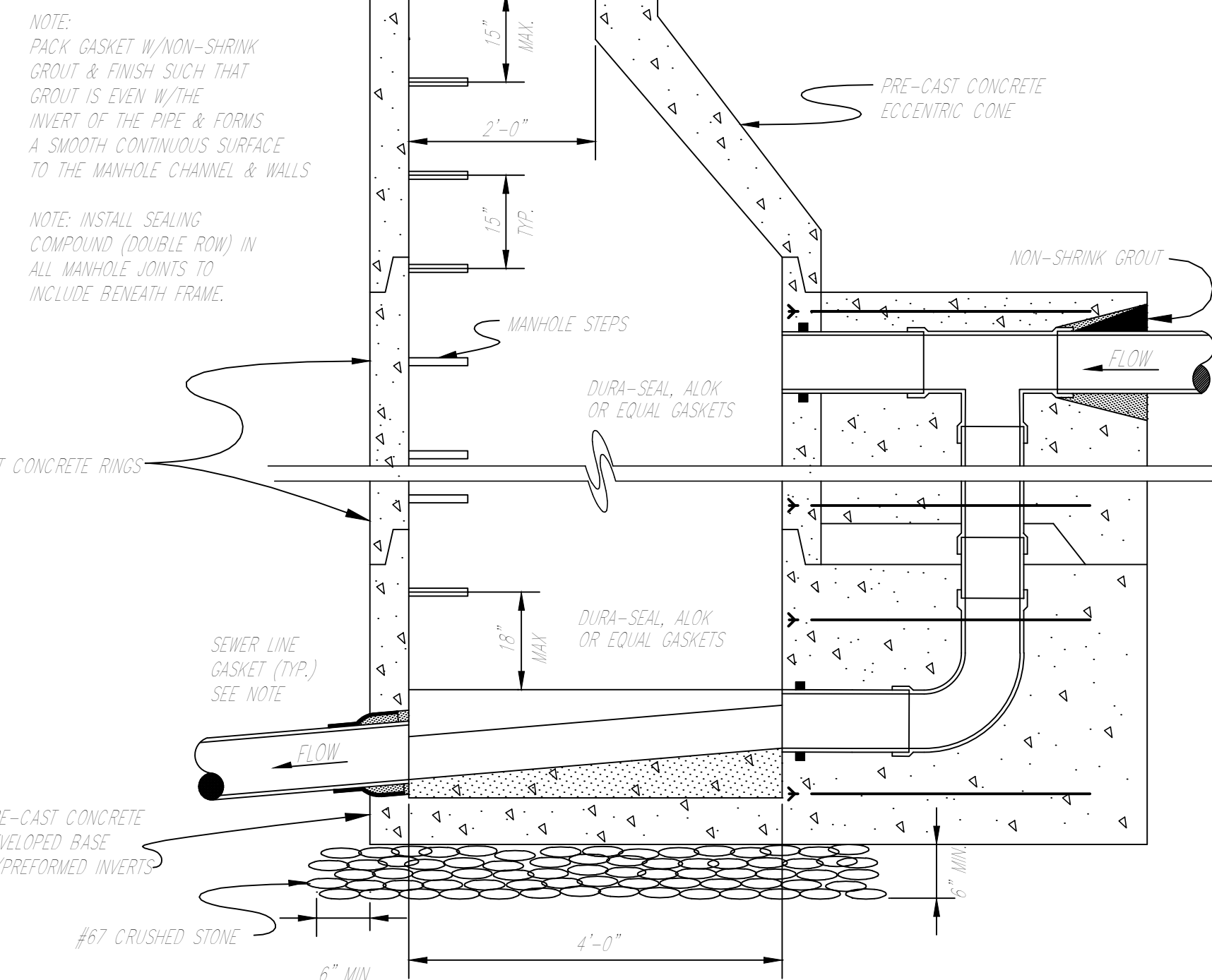


SECTION TYPICAL MANHOLE

N.T.S. (025-02)

NOTE: PACK GASKET W/NON-SHRINK GROUT & FINISH SUCH THAT GROUT IS EVEN W/THE INVERT OF THE PIPE & FORMS A SMOOTH CONTINUOUS SURFACE TO THE MANHOLE CHANNEL & WALLS

NOTE: INSTALL SEALING COMPOUND (DOUBLE ROW) IN ALL MANHOLE JOINTS TO INCLUDE BENEATH FRAME.



SECTION TYPICAL DROP-MANHOLE

N.T.S. (025-03)

NOTE: PACK GASKET W/NON-SHRINK GROUT & FINISH SUCH THAT GROUT IS EVEN W/THE INVERT OF THE PIPE & FORMS A SMOOTH CONTINUOUS SURFACE TO THE MANHOLE CHANNEL & WALLS

NOTE: INSTALL SEALING COMPOUND (DOUBLE ROW) IN ALL MANHOLE JOINTS TO INCLUDE BENEATH FRAME.

WATER, SEWER AND ACCESS ROAD EXTENSIONS  
GRACE CLINIC PROJECT  
SOUTHEAST KENTUCKY  
INDUSTRIAL DEVELOPMENT  
AUTHORITY  
KNOX COUNTY, KENTUCKY

DATE	REVISION	BY

PROJECT NO. 2069-65  
DESIGNED BY: D.S.T.  
DRAWN BY: G.M.S.  
CHECKED BY: D.S.T.  
REVIEWED BY: D.S.T.  
DATE: AUGUST 2016  
SCALE: A5 NOTED

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STANDARD SEWER  
DETAILS

DRAWING NO.  
SD2

SHEET OF