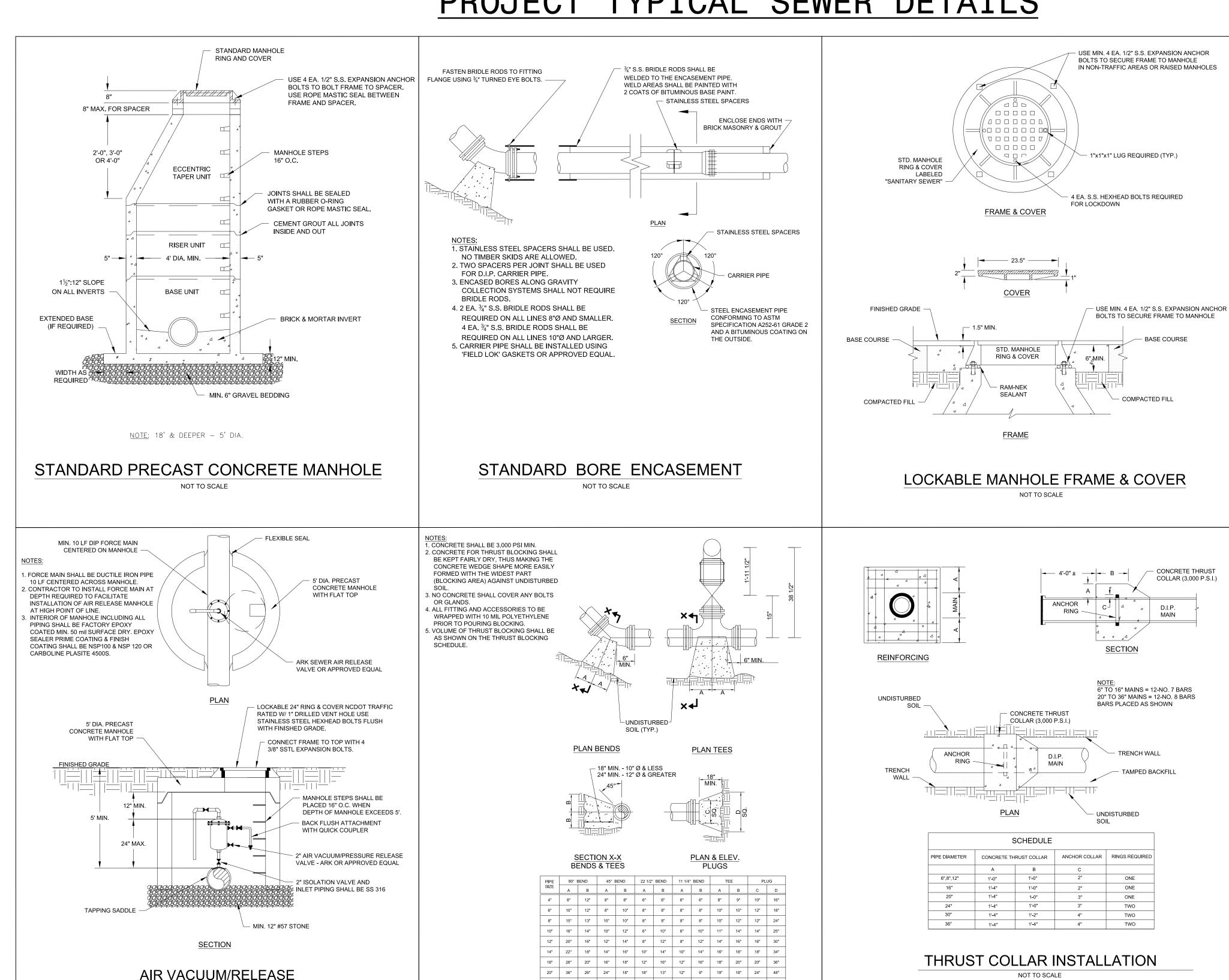
PROJECT TYPICAL SEWER DETAILS



24" 48" 33" 30" 21" 18" 18" 15" 11" 21" 21" 28" 56"

THRUST BLOCK DETAIL

AIR VACUUM/RELEASE

MANHOLE FOR FORCE MAIN

NOTE:

FUSIBLE PVC SHALL NOT BE DEFLECTED

AT MECHANICAL JOINT FITTINGS. USE BENDS AS NECESSARY TO LINE UP WITH DIRECT BURY

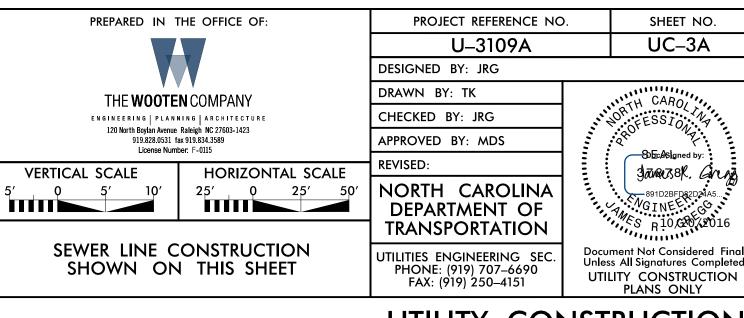
DIRECT BURY

DIRECT BURY FUSIBLE PVC TRANSITION

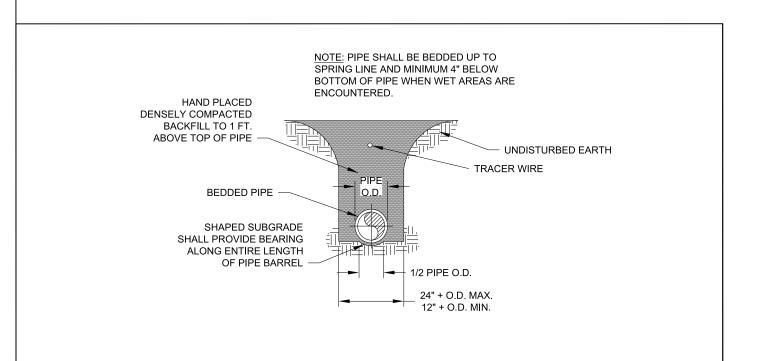
- MECHANICAL JOINT RESTRAINT

FOR APPROPRIATE MATERIAL (solid sleeve for small deflections,

vertical bend otherwise)



UTILITY CONSTRUCTION



BASE COURSE

CONCRETE THRUST

COLLAR (3,000 P.S.I.)

D.I.P.

6" TO 16" MAINS = 12-NO. 7 BARS

TRENCH WALL

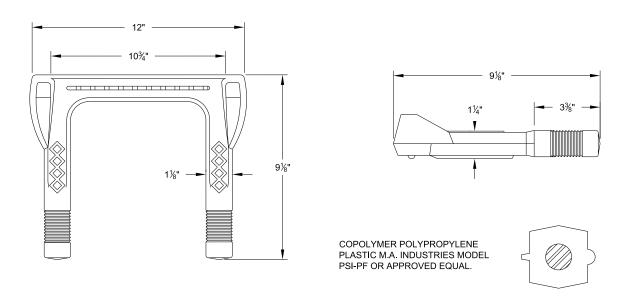
TWO

TAMPED BACKFILL

20" TO 36" MAINS = 12-NO. 8 BARS

COMPACTED FILL

PIPE LAYING CONDITION



POLYPROPYLENE PLASTIC STEP

