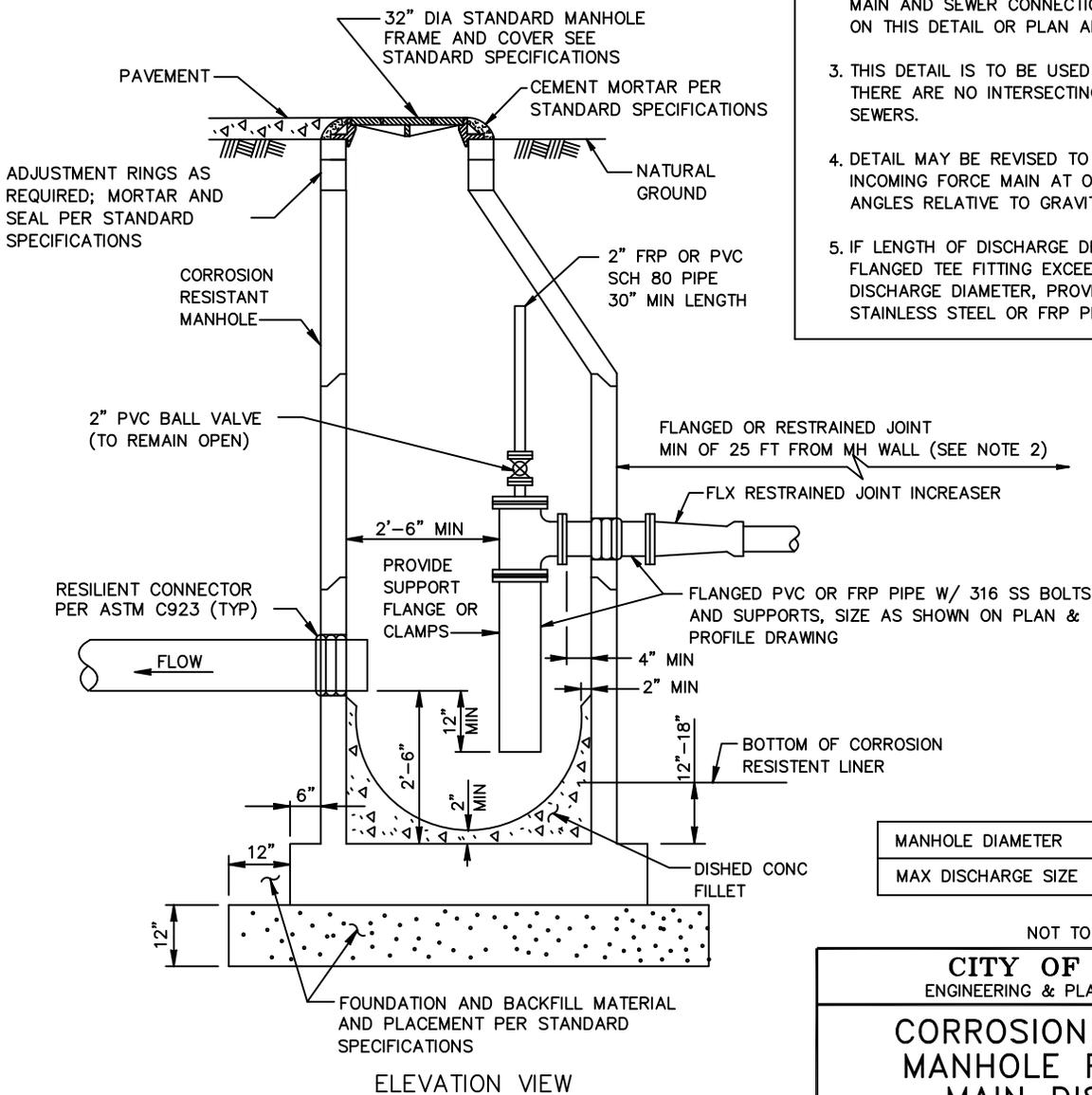


PLAN VIEW



ELEVATION VIEW

NOTES:

1. SEAT MANHOLE FRAME IN SEALANT PER STANDARD SPECIFICATIONS.
2. IF FORCE MAIN HAS BENDS WITHIN 25 FT OF MANHOLE, EXTEND RESTRAINED JOINTS TO 25 FT MINIMUM UPSTREAM OF BEND.
3. OMIT CEMENT MORTAR WHEN MANHOLE IS LOCATED IN PAVED AREA.
4. MINIMUM REINFORCING IN BASE SHALL BE #5 @ 8" O.C.E.W.
5. PRECAST RINGS SHALL BE PROVIDED FOR A COMBINED ADJUSTMENT HEIGHT OF AT LEAST 12". THE TOTAL HEIGHT OF THE ADJUSTMENT RINGS SHALL NOT EXCEED 1'-6".

NOTES TO SPECIFIER:

1. INDICATE SIZE OF FORCE MAIN, REDUCER AND DISCHARGE PIPE EITHER ON THIS DETAIL OR ON PLAN AND PROFILE.
2. PROVIDE INVERT ELEVATIONS OR FORCE MAIN AND SEWER CONNECTIONS TO MH, ON THIS DETAIL OR PLAN AND PROFILE.
3. THIS DETAIL IS TO BE USED ONLY WHEN THERE ARE NO INTERSECTING GRAVITY SEWERS.
4. DETAIL MAY BE REVISED TO ORIENT INCOMING FORCE MAIN AT OTHER ANGLES RELATIVE TO GRAVITY SEWER.
5. IF LENGTH OF DISCHARGE DROP BELOW FLANGED TEE FITTING EXCEEDS 7 TIMES DISCHARGE DIAMETER, PROVIDE STAINLESS STEEL OR FRP PIPE SUPPORT.

MANHOLE DIAMETER	4'-0"	5'-0"	6'-0"
MAX DISCHARGE SIZE	6"	14"	24"

NOT TO SCALE

**CITY OF TOMBALL**  
ENGINEERING & PLANNING DEPARTMENT

**CORROSION RESISTANT  
MANHOLE FOR FORCE  
MAIN DISCHARGE**

APPROVED BY COT:

ENGINEERING & PLANNING DEPARTMENT  
EFFECTIVE JULY 1, 2010

SHEET 001 OF 001

DWG NO: COT WW-13