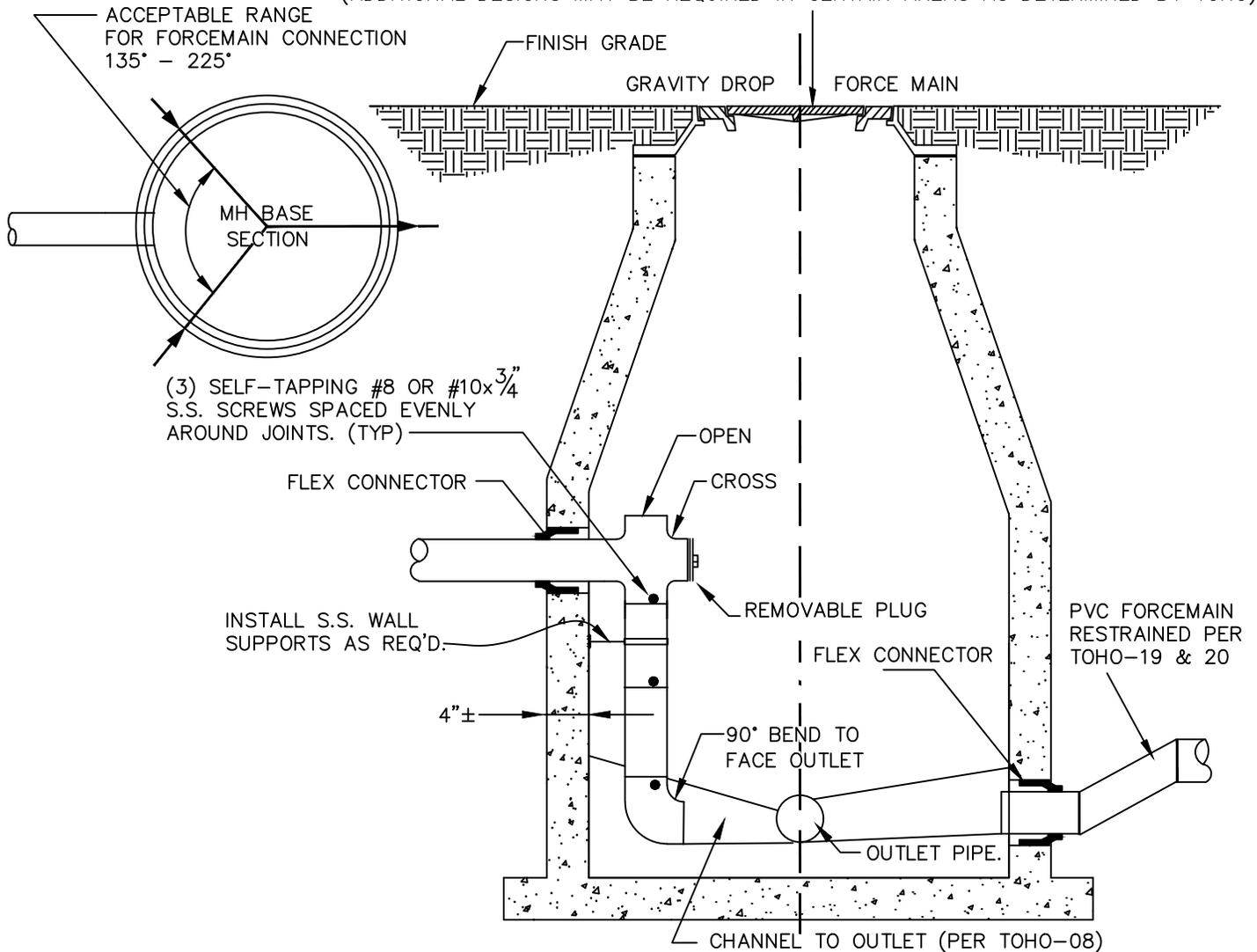


USF #663-AB-MK, OR EQUAL
(ADDITIONAL DESIGNS MAY BE REQUIRED IN CERTAIN AREAS AS DETERMINED BY TOHO)



Notes:

1. WHEN PROVIDING A DROP OR FORCE MAIN CONNECTION TO AN EXISTING MANHOLE, REFER TO STANDARD MANHOLE DETAIL TOHO-07 AND MISCELLANEOUS MANHOLE DETAIL TOHO-08 FOR ADDITIONAL REQUIREMENTS
2. WHEN PROVIDING A DROP OR FORCE MAIN CONNECTION TO A NEW MANHOLE, REFER TO POLYMER MANHOLE DETAIL TOHO-07.1, AND MISCELLANEOUS MANHOLE DETAIL TOHO-08 FOR ADDITIONAL REQUIREMENTS
3. MANHOLE SHALL BE 60" DIAMETER MINIMUM
4. PIPING LARGER THAN 12" SHALL HAVE EXTERIOR DROP CONNECTION DESIGNED BY AN ENGINEER AND APPROVED BY TOHO
5. EACH SECTION OF INTERIOR DROP PIPING SHALL HAVE NO LESS THAN 2 SUPPORTS SPACED NO FURTHER APART THAN 8'
6. INTERIOR DROP PIPING SHALL BE GASKETED BELL AND SPIGOT MATCHING THE INCOMING PIPE SIZE AND DIMENSION RATIO
7. ALL NEW MANHOLES WITH A DROP OR FORCE MAIN CONNECTION AND/OR ALL NEW MANHOLES THAT ARE WITHIN 400' UPSTREAM AND DOWNSTREAM OF A NEW OR EXISTING DROP OR FORCE MAIN CONNECTION SHALL REQUIRE POLYMER MANHOLES PER DETAIL TOHO-07.1
8. ALL EXISTING MANHOLES THAT RECEIVE A NEW DROP CONNECTION OR FORCE MAIN CONNECTION OR EXISTING MANHOLES WITHIN 400' UPSTREAM AND DOWNSTREAM OF A NEW MANHOLE WITH A DROP OR FORCE MAIN CONNECTION SHALL REQUIRE A TOHO APPROVED SPRAY ON OR TROWEL ON LINER
9. FORCE MAIN CONNECTIONS SHALL BE ALLOWED AT EFFLUENT INVERT ELEVATION +0.1' AND FROM 135 TO 225 DEGREES FROM THE EFFLUENT OUTLET.
10. DROP FORCE MAIN CONNECTIONS SHALL BE APPROVED BY TOHO ON A CASE-BY-CASE BASIS