

# STANDARD SANITARY MANHOLE

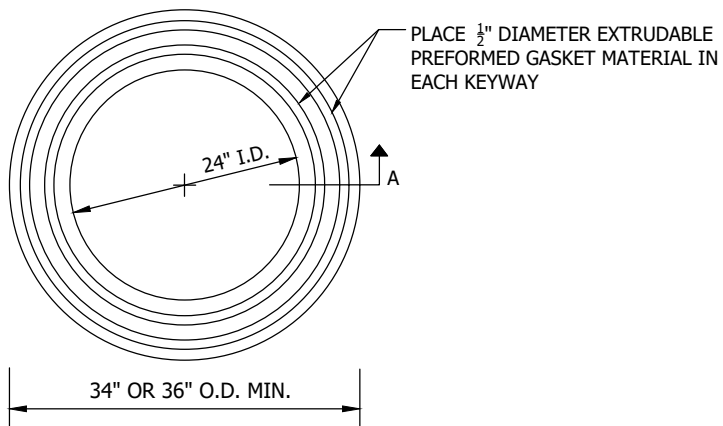
## TOWN OF PITTSBORO STANDARD CONSTRUCTION DETAIL



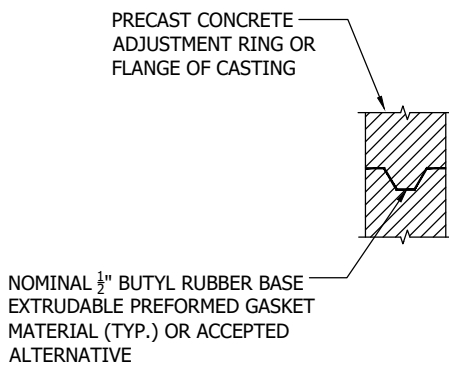
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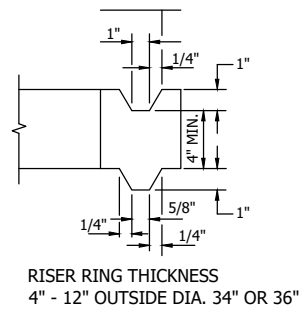
DETAIL NO:  
S-1



PLAN VIEW



GASKET DETAIL



SECTION A

## ADJUSTING RING

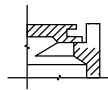


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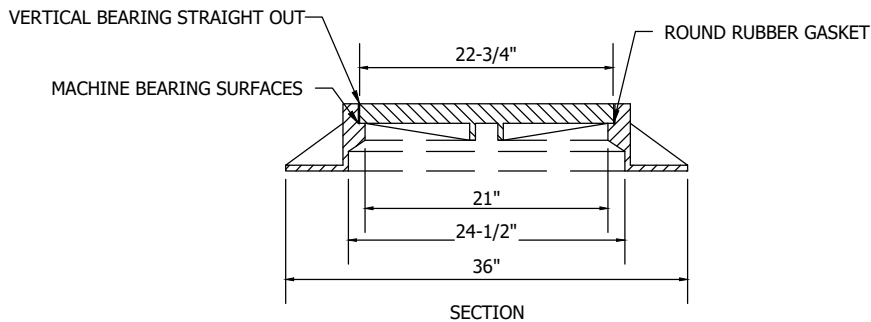
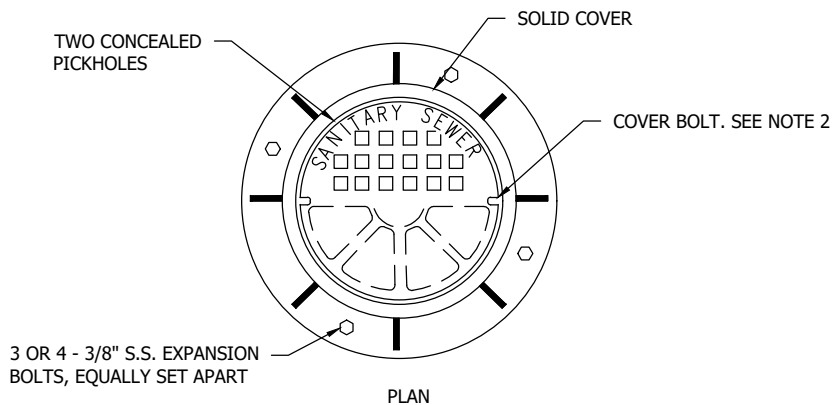
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DETAIL NO:  
**S-2**



PICKHOLE DETAIL



NOTES:

1. TOTAL WEIGHT OF FRAME AND LID = 335LBS. TYPE I SELF SEALING COVER IS NOT BOLTED TO FRAME AND SHALL BE USED UNLESS TYPE ii IS SPECIFICALLY INDICATED
2. TYPE II SELF SEALING COVER IS BOLTED TO 1 FRAME WITH FOUR " BRONZE HEXAGONAL 2 HEAD COUNTERSUNK BOLTS
3. CASTING SHALL BE NEENAH R-1772 OR EAST JORDAN NO. 1022-2

# STANDARD SANITARY MANHOLE FRAME AND COVER

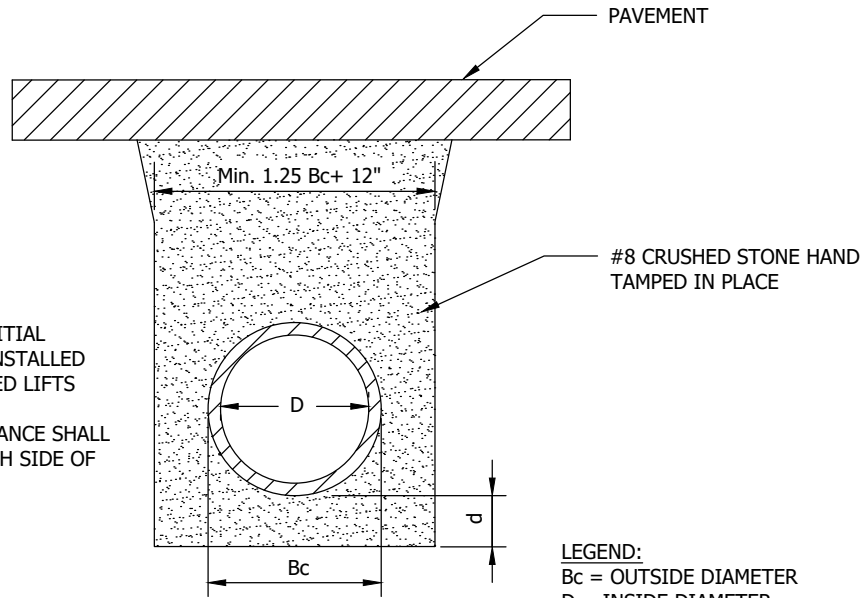


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**S-3**



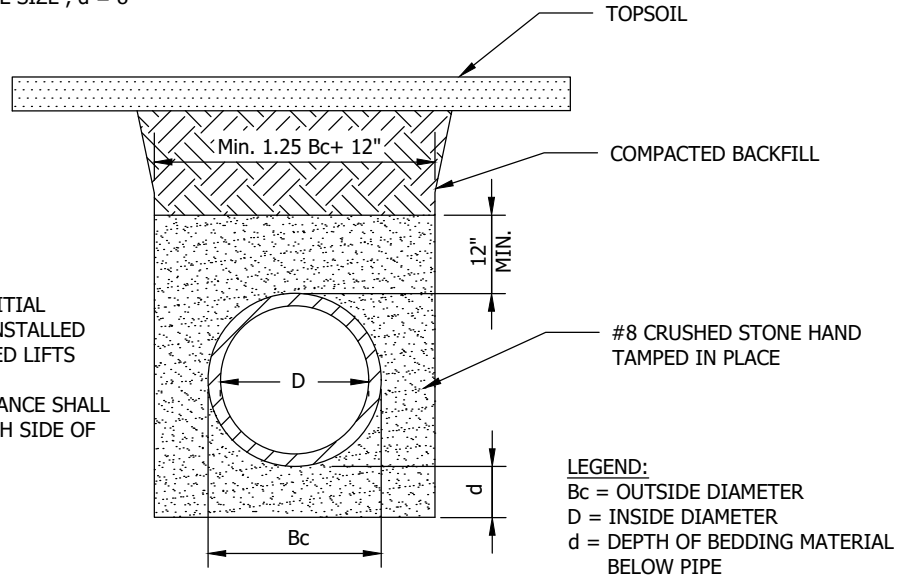
**NOTE:**  
 ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS  
 A MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE

**LEGEND:**  
 Bc = OUTSIDE DIAMETER  
 D = INSIDE DIAMETER  
 d = DEPTH OF BEDDING MATERIAL BELOW PIPE

**UNDER PAVEMENT**

PVC & HDPE

D = 8" TO 15" , d = 4"  
 D = 18" TO LARGEST PIPE SIZE , d = 8"



**NOTE:**  
 ALL BEDDING AND INITIAL BACKFILL SHALL BE INSTALLED IN 6" TO 12" BALANCED LIFTS  
 A MINIMUM 9" CLEARANCE SHALL BE PROVIDED ON EACH SIDE OF THE INSTALLED PIPE

**LEGEND:**  
 Bc = OUTSIDE DIAMETER  
 D = INSIDE DIAMETER  
 d = DEPTH OF BEDDING MATERIAL BELOW PIPE

**IN LAWN AREAS**

PVC & HDPE

**PIPE BEDDING DETAIL**

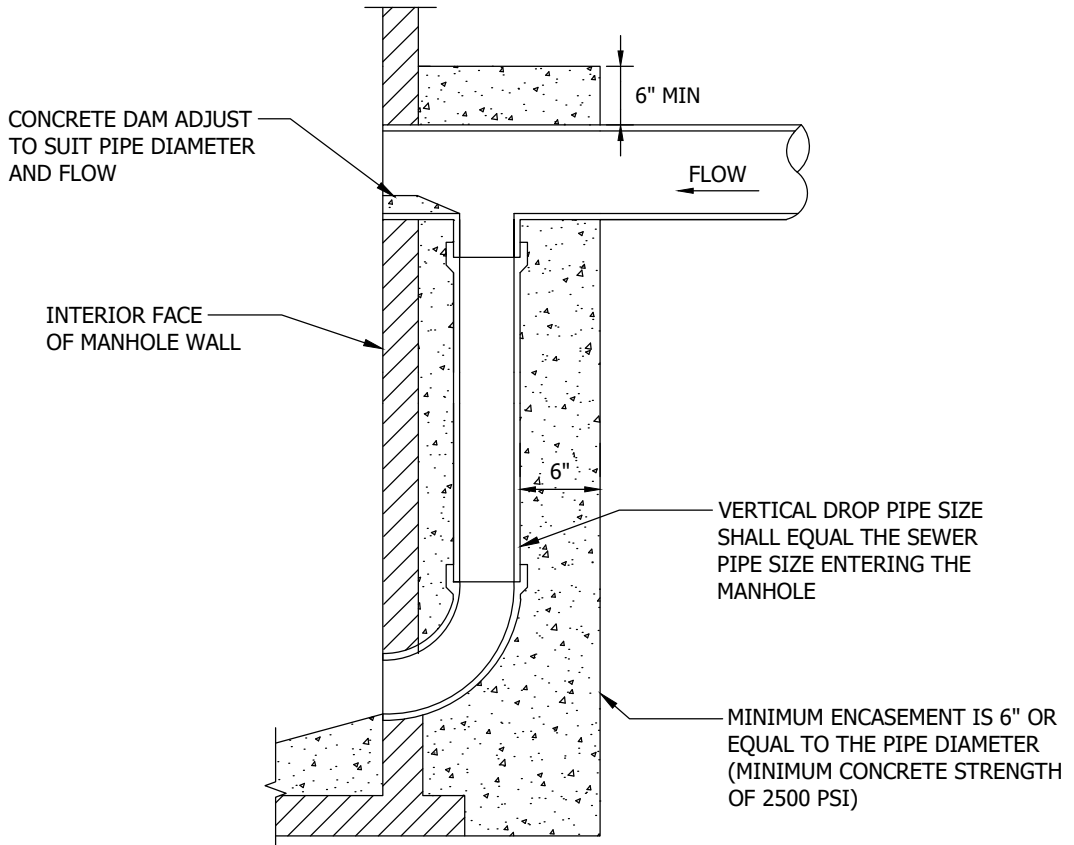


**TOWN OF PITTSBORO  
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DATE:  
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DETAIL NO:  
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NOTE: REFER TO DETAIL S-1 FOR  
STANDARD MANHOLE  
SPECIFICATIONS

## OUTSIDE DROP DETAIL

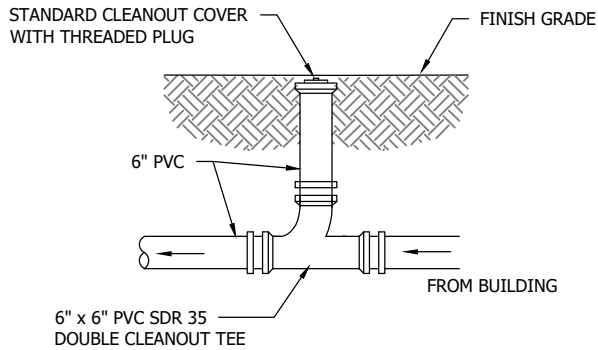


# TOWN OF PITTSBORO STANDARD CONSTRUCTION DETAIL

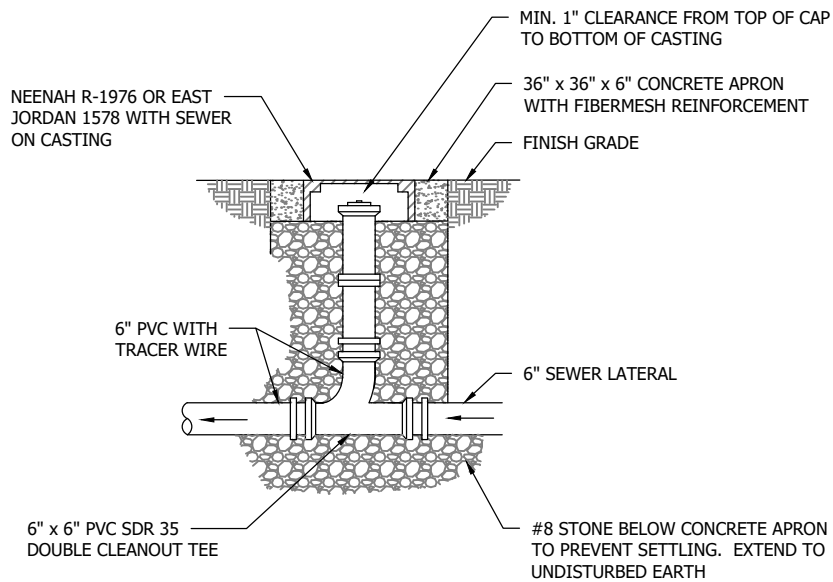
DATE: 11/25/2020
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DETAIL NO: <b>S-5</b>

NOTES:

1. WYE BRANCHES OR TEES SHALL BE INSTALLED WHERE DESIRED BY PROPERTY OWNER OR WHERE INDICATED ON THE DRAWINGS. THEY SHALL BE EXTENDED TO PROPERTY LINE OF STREETS OR ALLEYS OR TO DISTANCES AS SHOWN ON THE DESIGN DRAWINGS AND SHALL BE OF 6" PVC SDR 35 UNLESS OTHERWISE SHOWN
2. DEPTH AT PROPERTY LINE SHALL BE APPROXIMATELY 8'-0" UNLESS SEWER DEPTH IS LESS, IN WHICH EVENT A MINIMUM SLOPE OF 1/8 " PER 1"=0' SHALL BE USED.
3. HOUSE SERVICE PIPE SHALL BE PVC SDR 35 CONFORMING TO ASTM 03034 WITH GASKET JOINTS CONFORMING TO ASTM 03212 UNLESS OTHERWISE INDICATED.
4. HOUSE SERVICE PIPE SHALL BE INSTALLED PER SAME SPECIFICATIONS & DETAIL AS FOR MAIN LINE SEWER.



CLEANOUT TYPE 1



CLEANOUT TYPE 2

## CLEAN OUT TYPE 1 AND 2

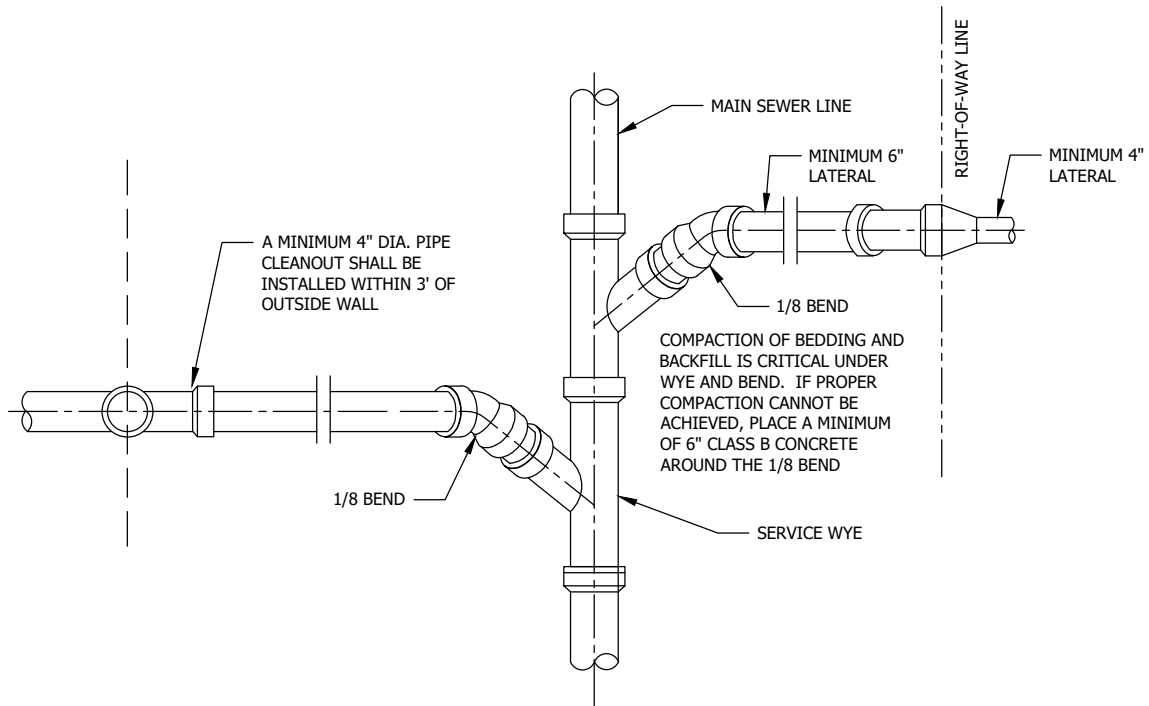


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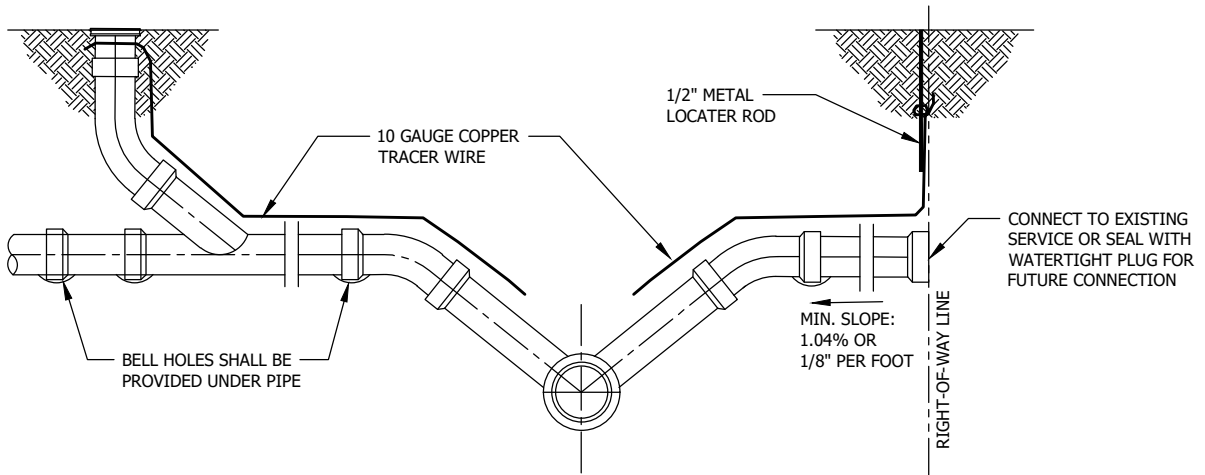
DATE:  
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**S-6**



PLAN VIEW



ELEVATION

NOTE: FOR SEWERS LESS THAN 15' DEEP

## SANITARY SEWER CONNECTION

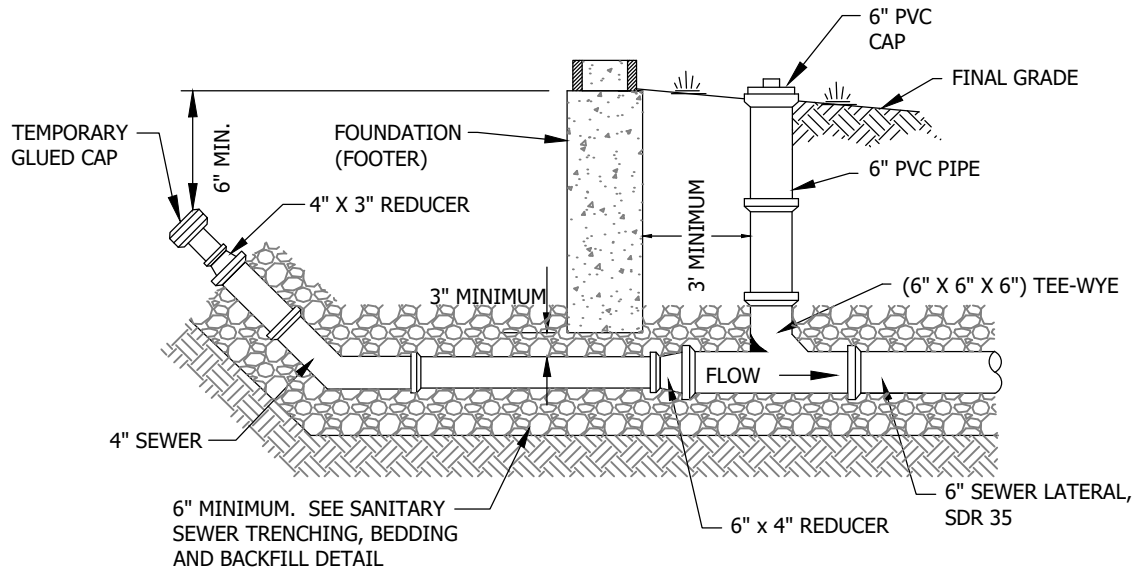


### TOWN OF PITTSBORO STANDARD CONSTRUCTION DETAIL

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CLEANOUT LOCATIONS:

1. AT THE JUNCTION OF BUILDING DRAIN AND BUILDING SEWER (NEAR EXTERIOR FACE OF BUILDING)
2. IF BUILDING SEWER IS MORE THAN 100 FEET FROM MAIN LINE, CLEAN-OUTS SPACING SHALL NOT EXCEED 100 FEET.
3. A CLEANOUT IS REQUIRED AT EACH BEND THAT IS GREATER THAN 45 DEGREES.
4. THERE SHALL BE NO BASEMENT DRAINS CONNECTED TO SERVICE CONNECTION.

GENERAL REQUIREMENTS

1. THE LOWEST FLOOR ELEVATION RECEIVING GRAVITY SERVICE MUST BE A MIN. ONE (1.0) FOOT ABOVE TOP NEAREST MANHOLE RIM.
2. AN APPROVED TYPE OF TWO-WAY CLEANOUT FITTING SHALL BE INSTALLED WITHIN 5 FEET OF THE OUTSIDE OF A BUILDING, AS SHOWN ABOVE. THE PIPE PENETRATION THROUGH A BUILDING WALL SHALL BE PROTECTED FROM BREAKAGE BY MEANS OF A SLEEVE. THE SLEEVE SHALL BE ONE PIPE SIZE LARGER THAN THE DIAMETER OF THE PIPE PENETRATING THE WALL, AND BE SEALED WITH AN APPROPRIATE WATERPROOF SEALANT IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.

## HOUSE/BUILDING SERVICE CONNECTION



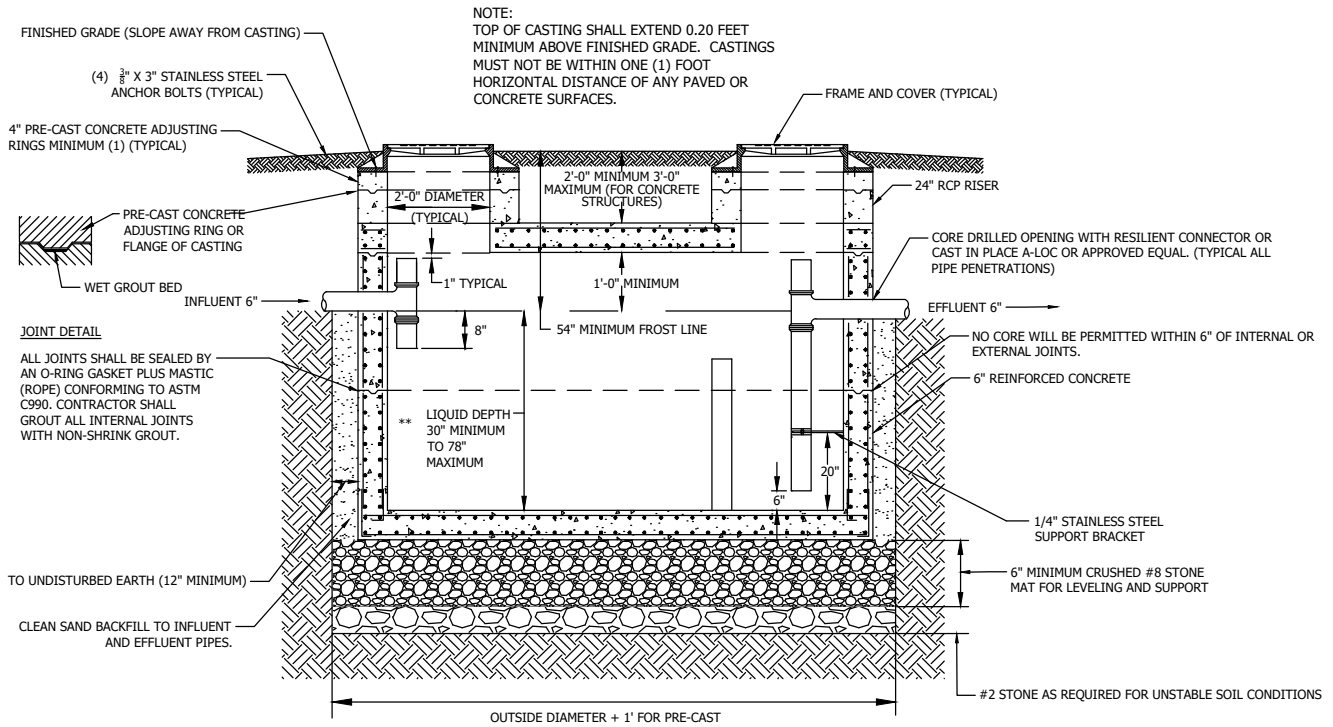
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**NOTES:**

- GREASE TRAP SHALL CONFORM TO ASTM C 478 UTILIZING 4,000 PSI CONCRETE. CONTRACTOR MAY SUPPLY GREASE TRAP AS MANUFACTURED BY ZURN SERIES Z-1170 OR JAY R SMITH MANUFACTURING COMPANY SERIES 8000.
- EXTERIOR INSTALLATION MUST BE CONCRETE OR CAST IRON. STEEL GREASE TRAPS SHALL ONLY BE INSTALLED INSIDE A BUILDING
- GREASE TRAPS MUST BE SIZED ACCORDING TO THE INDIANA STATE BOARD OF HEALTH BULLETIN S.E. 13, "ON-SITE WATER SUPPLY AND WASTEWATER DISPOSAL FOR PUBLIC AND COMMERCIAL ESTABLISHMENT". SECTION 501 - "GREASE TRAPS" AND PER LOCAL REQUIREMENTS OR CODES.
- SHOP DRAWINGS MUST BE SUBMITTED TO OWNER FOR REVIEW AND APPROVAL.

## GREASE TRAP DETAIL

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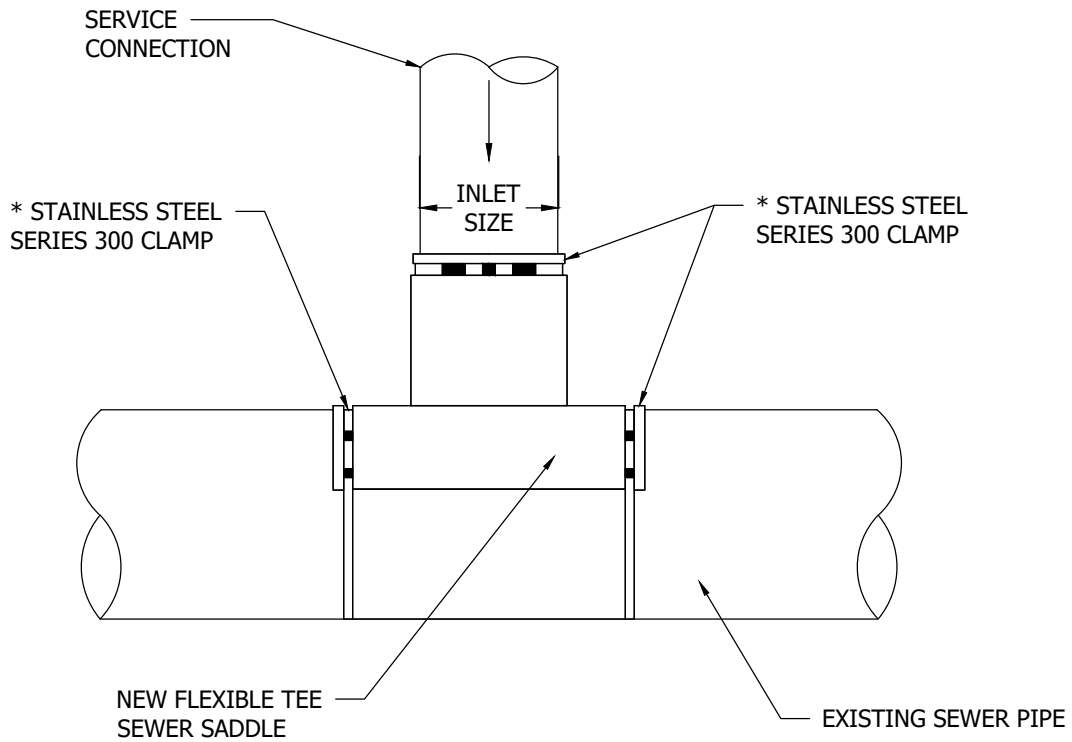


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S-9

NOTE:  
TIGHTEN STAINLESS STEEL SERIES 300  
CLAMPS TO A MINIMUM OF 60 INCH LBS.  
OF TORQUE.



DESCRIPTION	INLET SIZE
4" - 12" FLEXIBLE TEE SADDLE	4"
	6"

INLET RANGE FROM SCH-40 PIPE DOWN TO SDR-35  
PIPE WHICH INCLUDES STANDARD WEIGHT SOIL PIPE.

## FLEXIBLE SEWER SADDLE

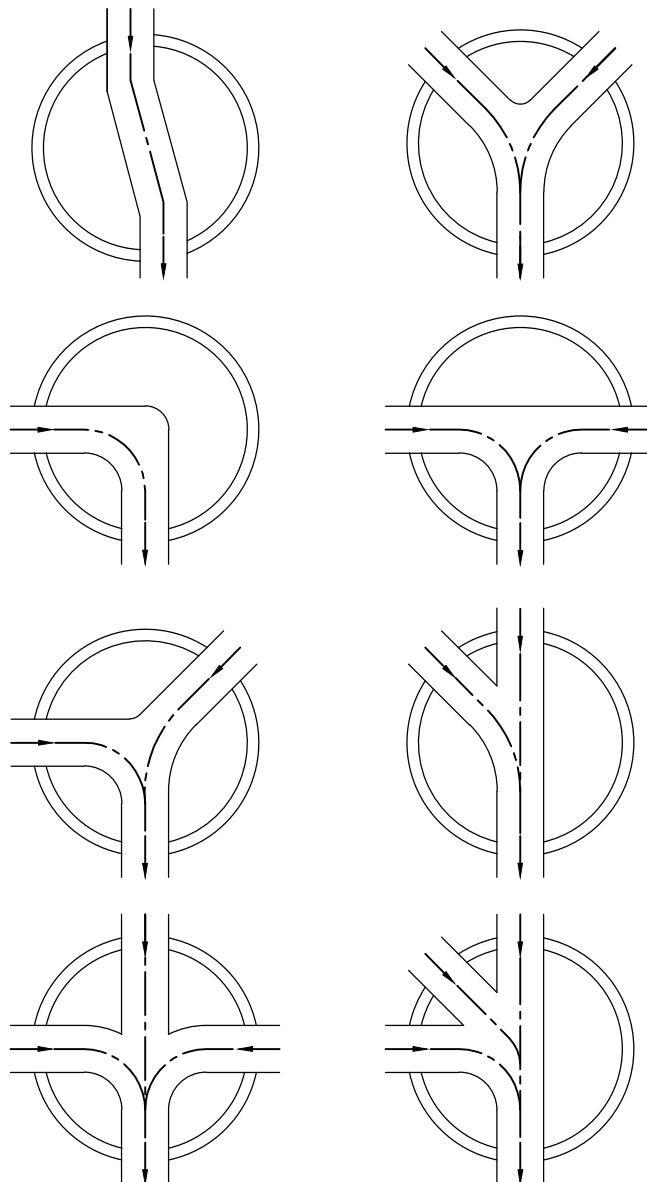


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BENCH SLOPE:  $\frac{1}{2}$ " PER FOOT

## STANDARD MANHOLE BENCHS

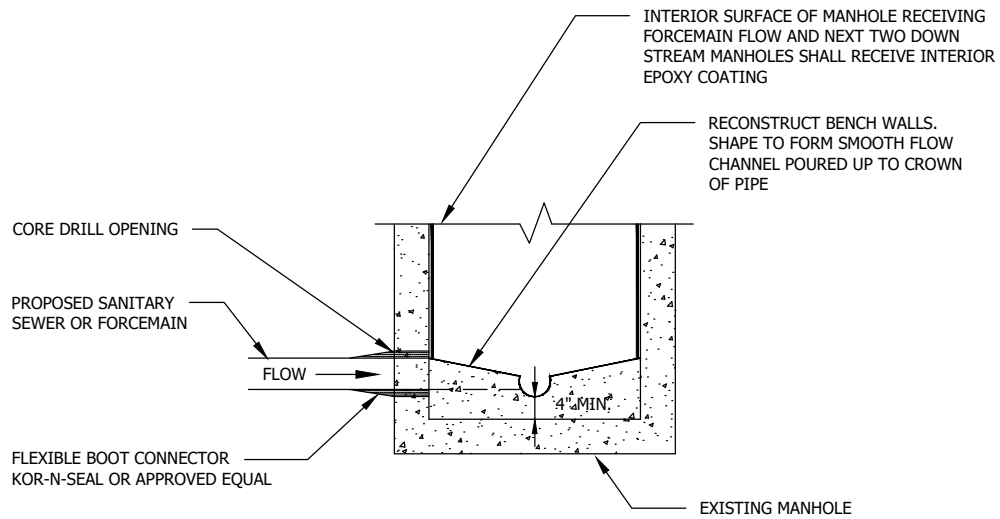


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## CONNECTION TO EXISTING MANHOLE



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