

STANDARD PRE-CAST
MANHOLE AS SPECIFIED
WITH 4" MIN. WALL
THICKNESS

VARIABLE

TEE

PIPE AND FITTINGS
TO BE SAME SIZE
& MATERIAL AS
MAIN LINE.

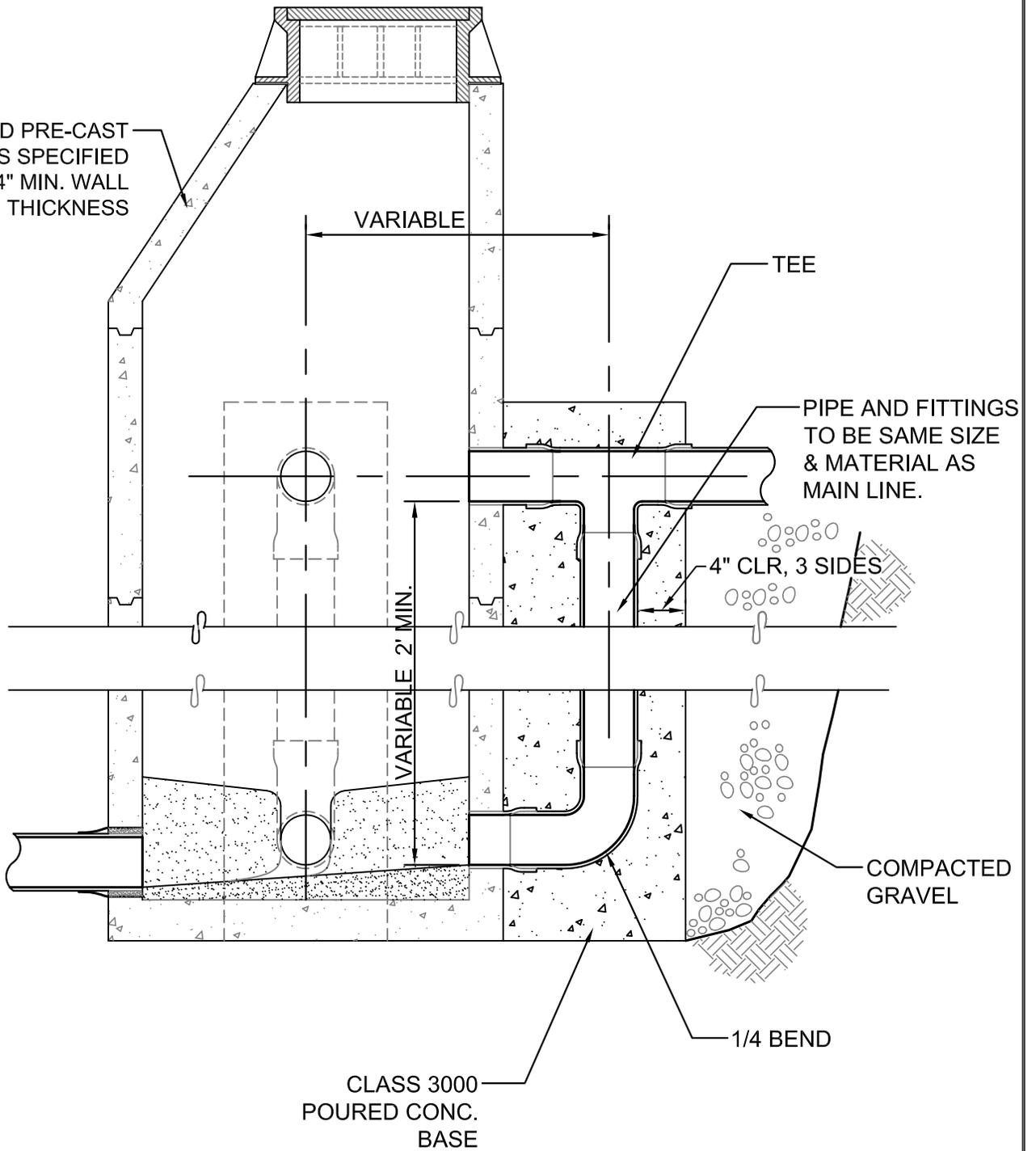
4" CLR, 3 SIDES

VARIABLE 2' MIN.

COMPACTED
GRAVEL

1/4 BEND

CLASS 3000
POURED CONC.
BASE



City of Sisters ◦ Standard Detail

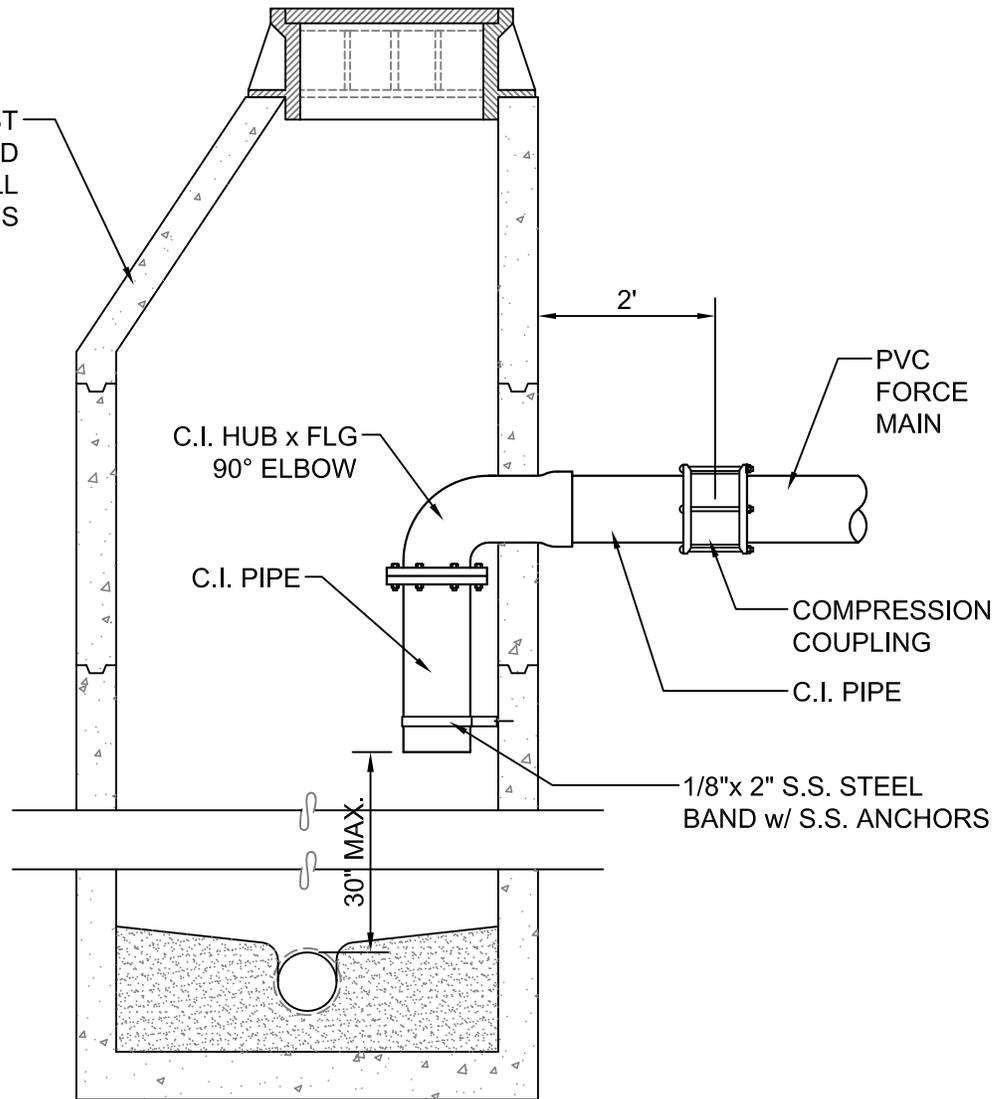
DROP
MANHOLE

SCALE:	NONE
DRAWN BY:	EH
APPROVED BY:	PB
REVISION DATE:	2/10/2020

DRAWING
NO.

3-2

STANDARD PRE-CAST
MANHOLE AS SPECIFIED
WITH MIN. 4" WALL
THICKNESS



City of Sisters ◦ Standard Detail

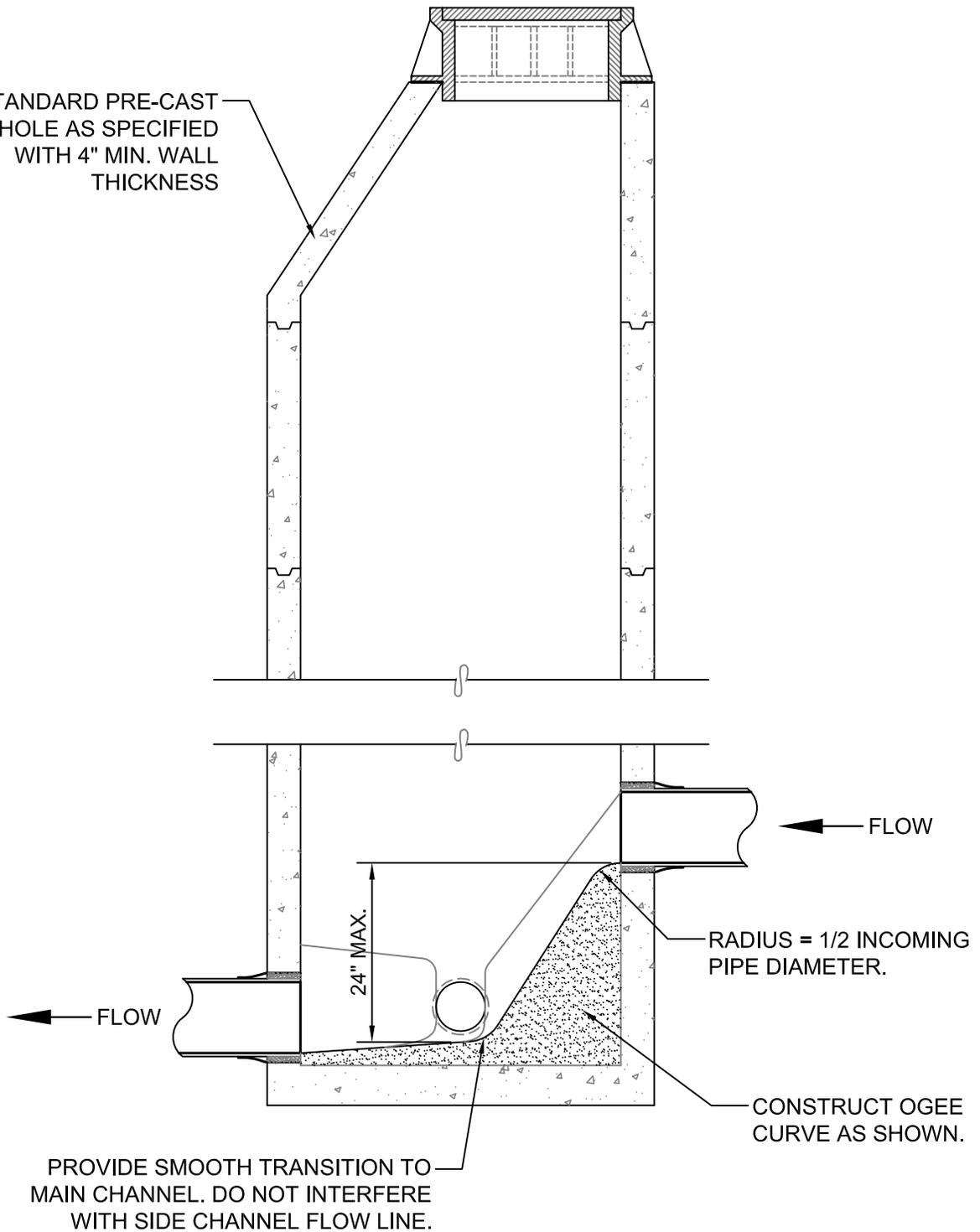
SPECIAL DROP
MANHOLE

SCALE: NONE
DRAWN BY: EH
APPROVED BY: PB
REVISION DATE: 2/10/2020

DRAWING
NO.

3-3

STANDARD PRE-CAST
MANHOLE AS SPECIFIED
WITH 4" MIN. WALL
THICKNESS



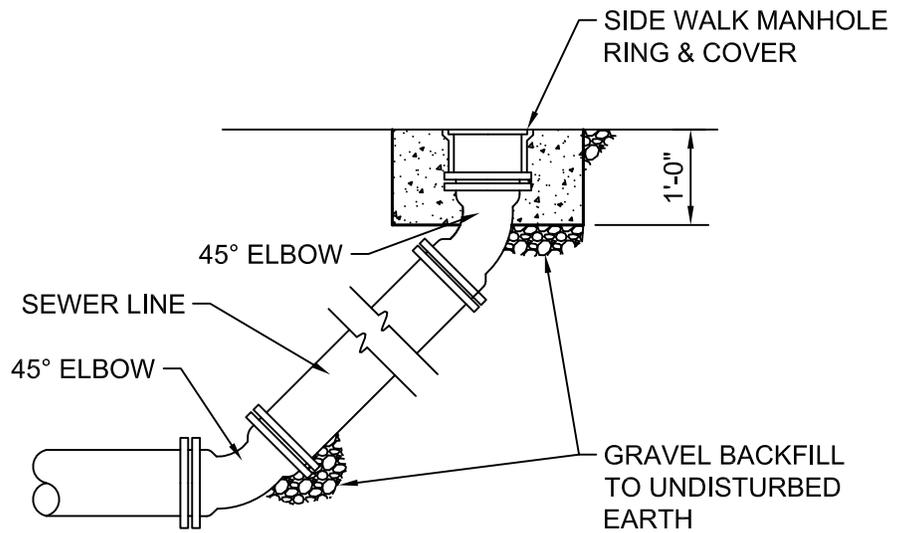
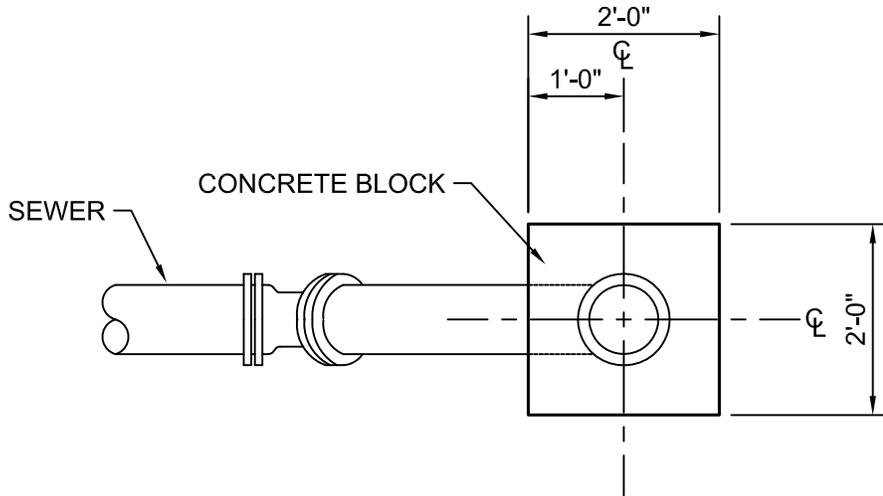
City of Sisters ◦ Standard Detail

INSIDE DROP
MANHOLE

SCALE: NONE
DRAWN BY: EH
APPROVED BY: PB
REVISION DATE: 2/10/2020

DRAWING
NO.

3-4



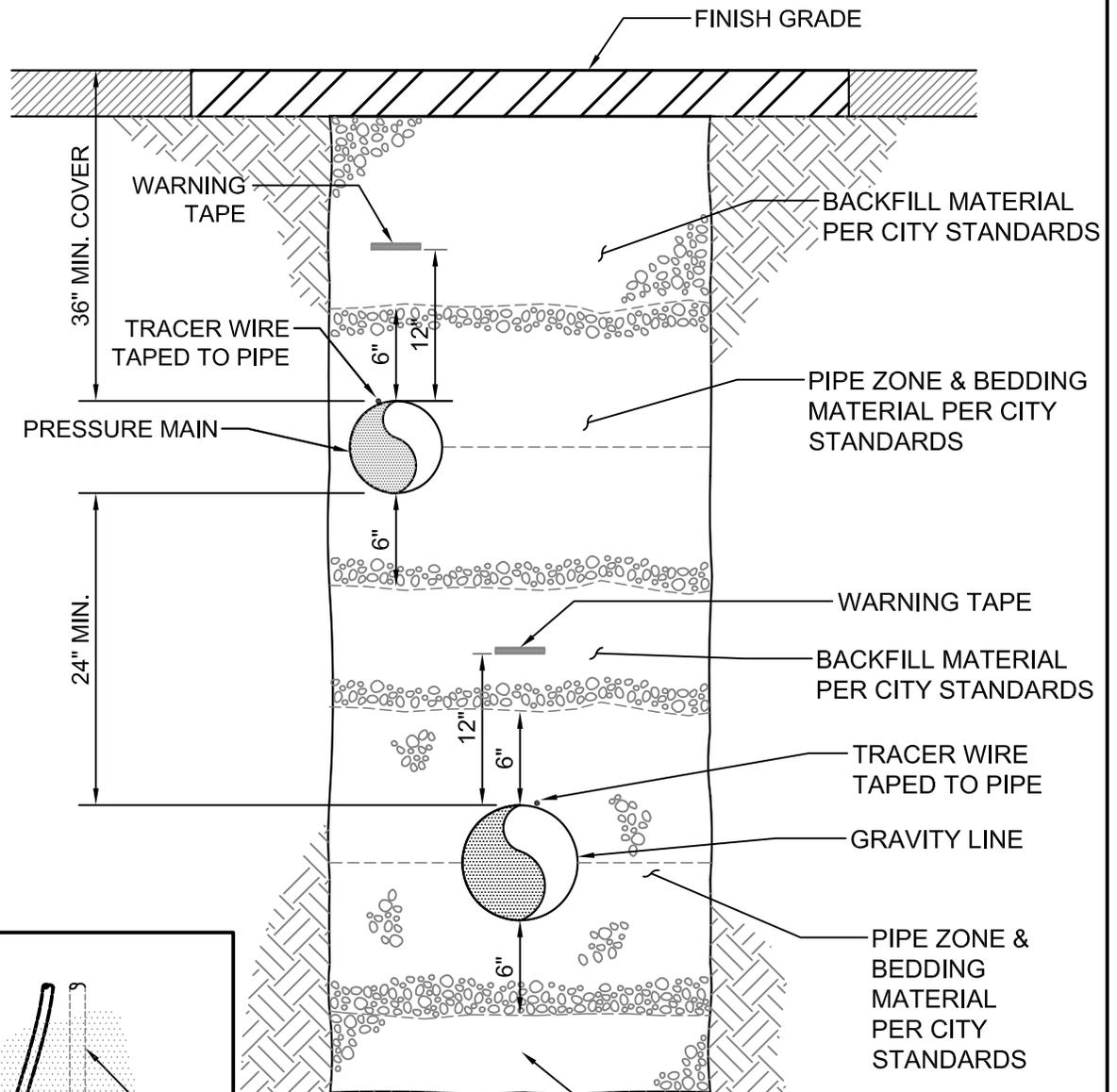
City of Sisters ◦ Standard Detail

MAIN LINE
CLEANOUT

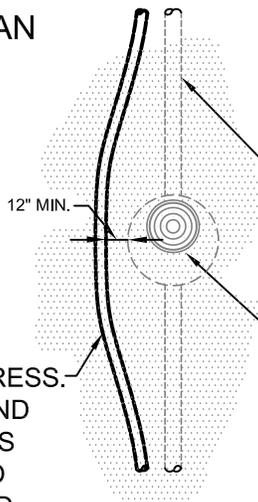
SCALE: NONE
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 APPROVED BY: PB
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NO.

3-5



PLAN



DEFLECT PRESS. MAIN AROUND MANHOLE AS SHOWN. DO NOT EXCEED MANUFACTURER'S SPECIFIED MAX. DEFLECTION ANGLE.

GRAVITY LINE BELOW
MANHOLE

FOUNDATION STABILIZATION PER CITY STANDARDS



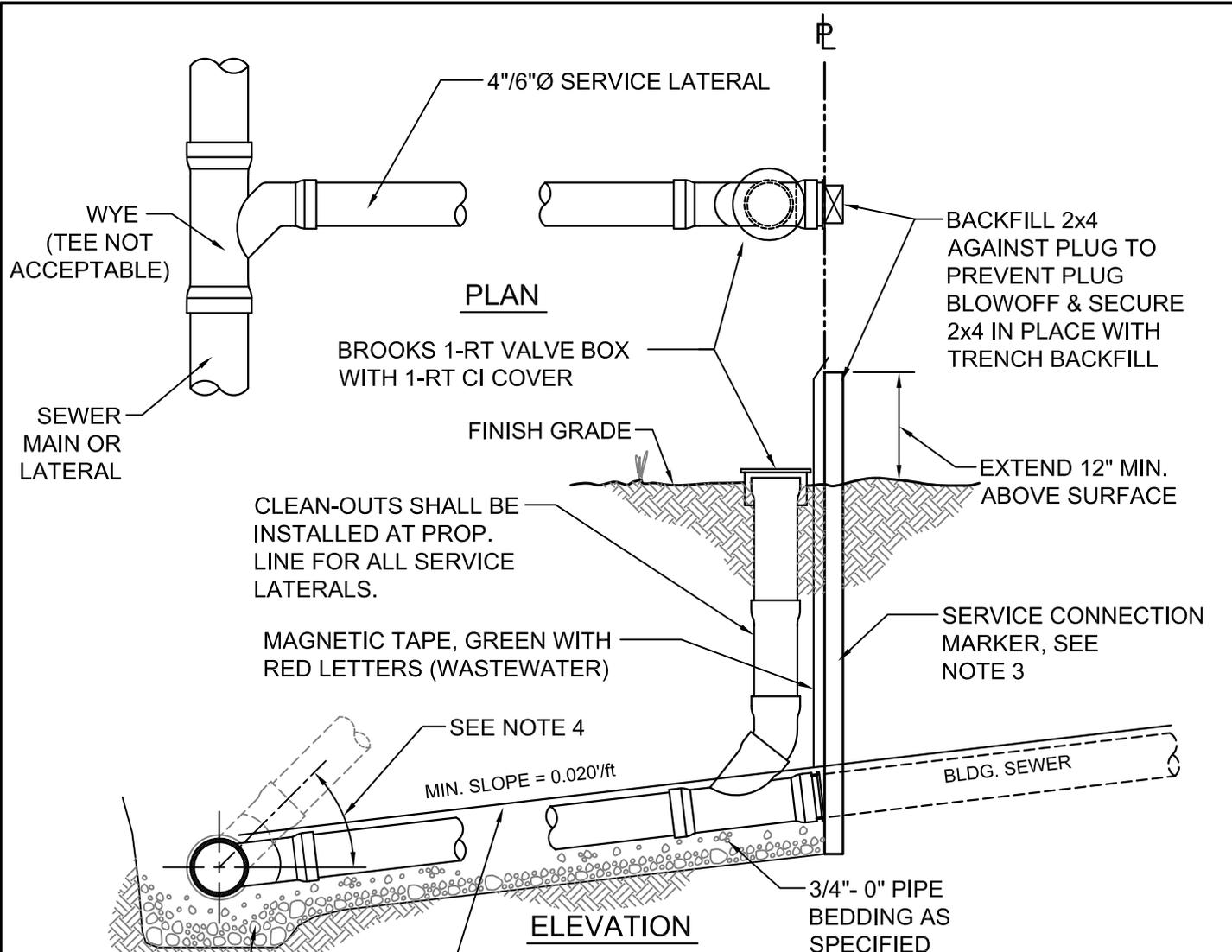
City of Sisters ◦ Standard Detail

COMMON SEWER LINE
TRENCH

SCALE:	NONE
DRAWN BY:	EH
APPROVED BY:	PB
REVISION DATE:	2/10/2020

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3-6



NOTES

- 1.) PIPE AND FITTINGS SHALL BE COMPATIBLE. ONLY MANUFACTURED FITTINGS SHALL BE USED.
- 2.) MINIMUM DEPTH AT RIGHT-OF-WAY OR EASEMENT LINE SHALL BE 3 FEET.
- 3.) MARKER POSTS AND BLOCKING SHALL BE TREATED WOOD. P.T. D.F. 2"x 4" POST TO EXTEND 12" MIN. ABOVE FINISH GRADE AND EXPOSED AREA SHALL BE PAINTED WHITE.
- 4.) LAY SERVICE LATERAL AT MAX. 45° FROM HORIZONTAL TO ACHIEVE REQUIRED DEPTH AT PROPERTY LINE WHEN MINIMUM SLOPE RESULTS IN EXCESSIVE DEPTH.

16 GA. COPPER GREEN INSULATION TRACER WIRE SHALL EXTEND TO GRADE AT CLEANOUT AND AT BLDG. PROVIDE WATERPROOF CONNECTION AT ALL UNDER SURFACE LOCATIONS.

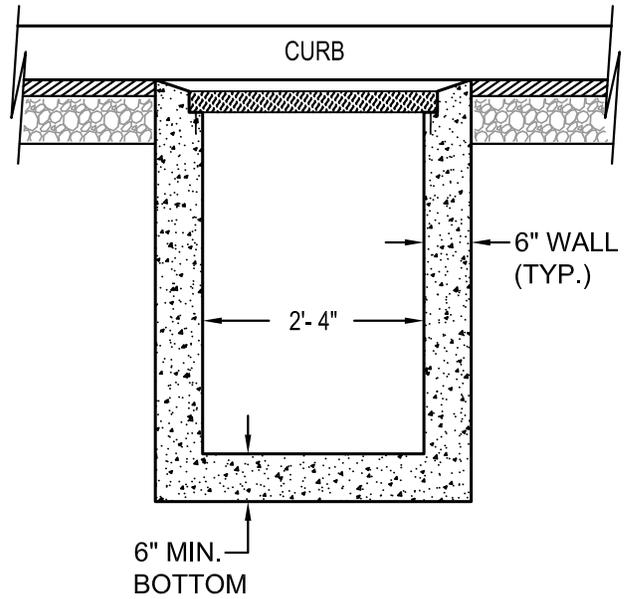
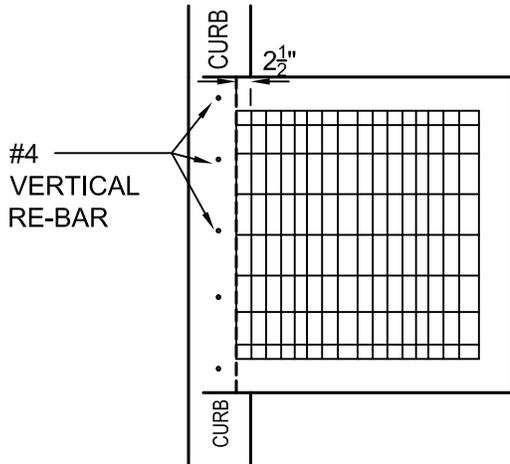


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SERVICE LATERAL

SCALE:	NONE
DRAWN BY:	EH
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3-7



DETAIL SHOWING GRATE
ORIENTATION TO CURB LINE



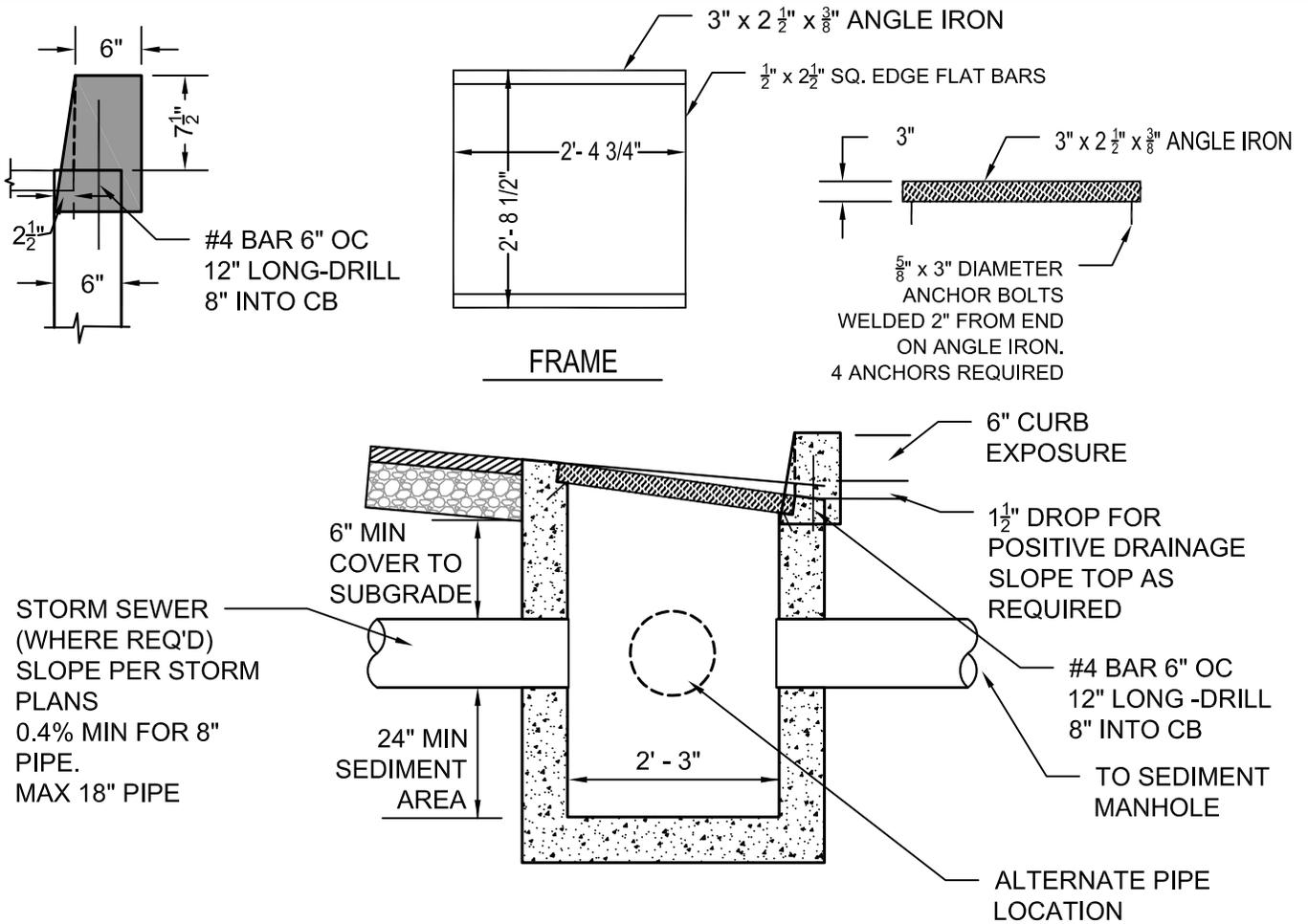
City of Sisters ◦ Standard Detail

STANDARD CATCH BASIN
DOUBLE & SINGLE

SCALE: NONE
DRAWN BY: EH
APPROVED BY: PB
REVISION DATE: 2/10/2020

DRAWING
NO.

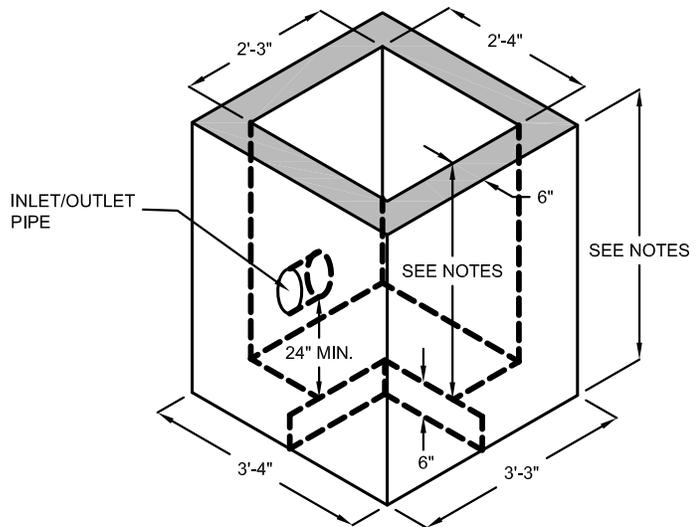
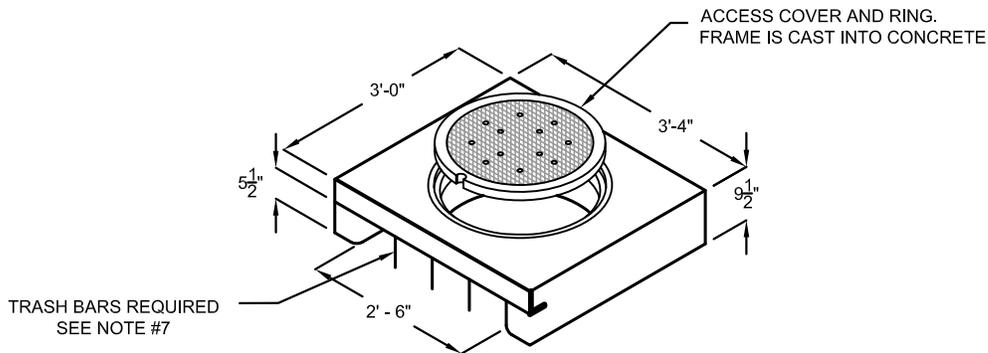
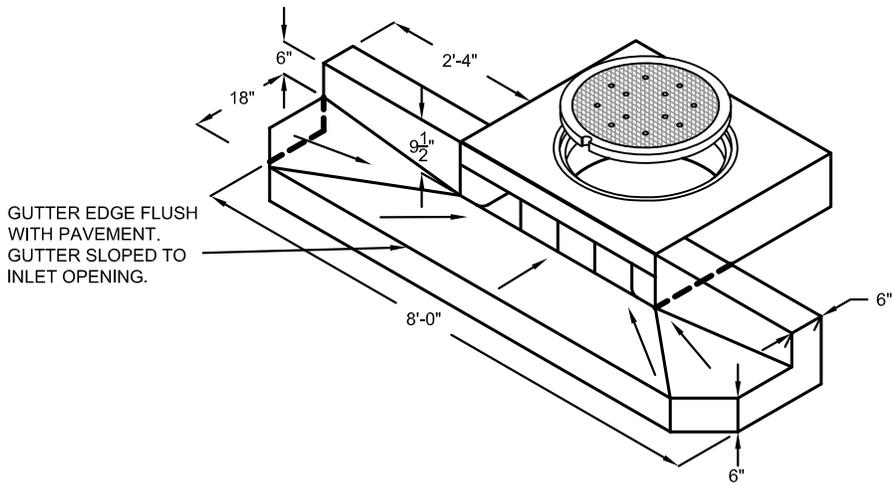
3-8



NOTES:

1. PRECAST CATCH BASINS ARE PREFERRED. CAST IN-PLACE CATCH BASINS ARE ALLOWED WITH CITY ENGINEER APPROVAL ONLY. AS A CONDITION OF EXCEPTION TO THE PRE-CAST STANDARDS, INTERIOR AND EXTERIOR FORMS ARE REQUIRED TO ENSURE CATCH BASIN WALLS ARE UNIFORM 6" THICK WALLS.
2. BACKFILL TO BE COMPACTED TO 95% OF OPTIMUM AASHTO T-99.
3. WATER JETTING OF BACKFILL MATERIAL AROUND CATCH BASIN IS REQUIRED.
4. DURING CONSTRUCTION, FILTER MATERIAL, PLANKING, OR OTHER ACCEPTABLE MEANS SHALL BE USED TO COVER CATCH BASINS UNTIL PROJECT IS ACCEPTED.
5. CATCH BASIN FRAME AND GRATE TO BE RECESSED INTO CURB AS SHOWN.
6. GROUT ALL PIPES INSIDE AND OUTSIDE OF STRUCTURE.
7. INLET / OUTLET PIPE SHALL NOT PROTRUDE MORE THAN 1" INTO CATCHBASIN.

	City of Sisters ◦ Standard Detail	SCALE: NONE	DRAWING NO. 3-9
		DRAWN BY: EH	
	APPROVED BY: PB		
	REVISION DATE: 2/10/2020		
STANDARD CATCH BASIN DOUBLE & SINGLE			



NOTES:

1. CURB INLET TOP IS PRECAST WITH STANDARD STORM WATER LID.
2. CURB INLET BASE PRECAST IS PREFERRED. CAST-IN-PLACE ARE ALLOWED WITH CITY ENGINEER APPROVAL ONLY. AS A CONDITION OF EXCEPTION TO THE PRE-CAST STANDARDS, INTERIOR AND EXTERIOR FORMS ARE REQUIRED TO ENSURE CATCH BASIN WALLS ARE UNIFORM 6" THICK WALLS.
3. CONCRETE SHALL BE CLASS 3000.
4. DEPTH OF VAULT IS 30" + PIPE DIAMETER + PAVING SECTION
5. DEPTH OF SUMP IS MINIMUM OF 24" MEASURED FROM INVERT OF PIPE.
6. INLET AND OUTLET PIPE OPENINGS TO BE GROUT SEALED
7. TRASH BARS MIN. 3/8" DIAMETER HOT DIPPED GALVANIZED STEEL.



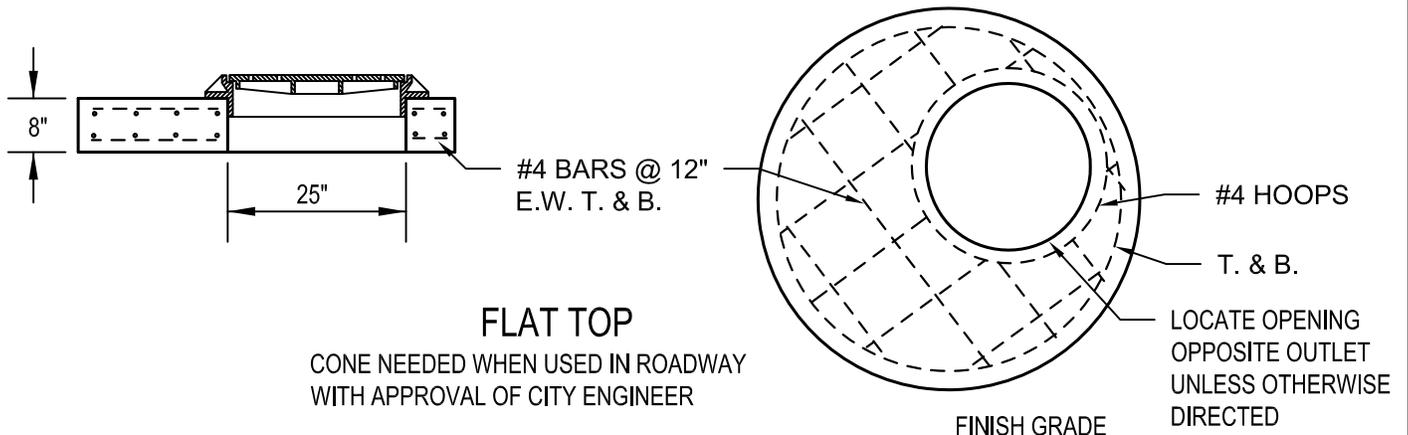
City of Sisters ◦ Standard Detail

CURB INLET
CATCH BASIN

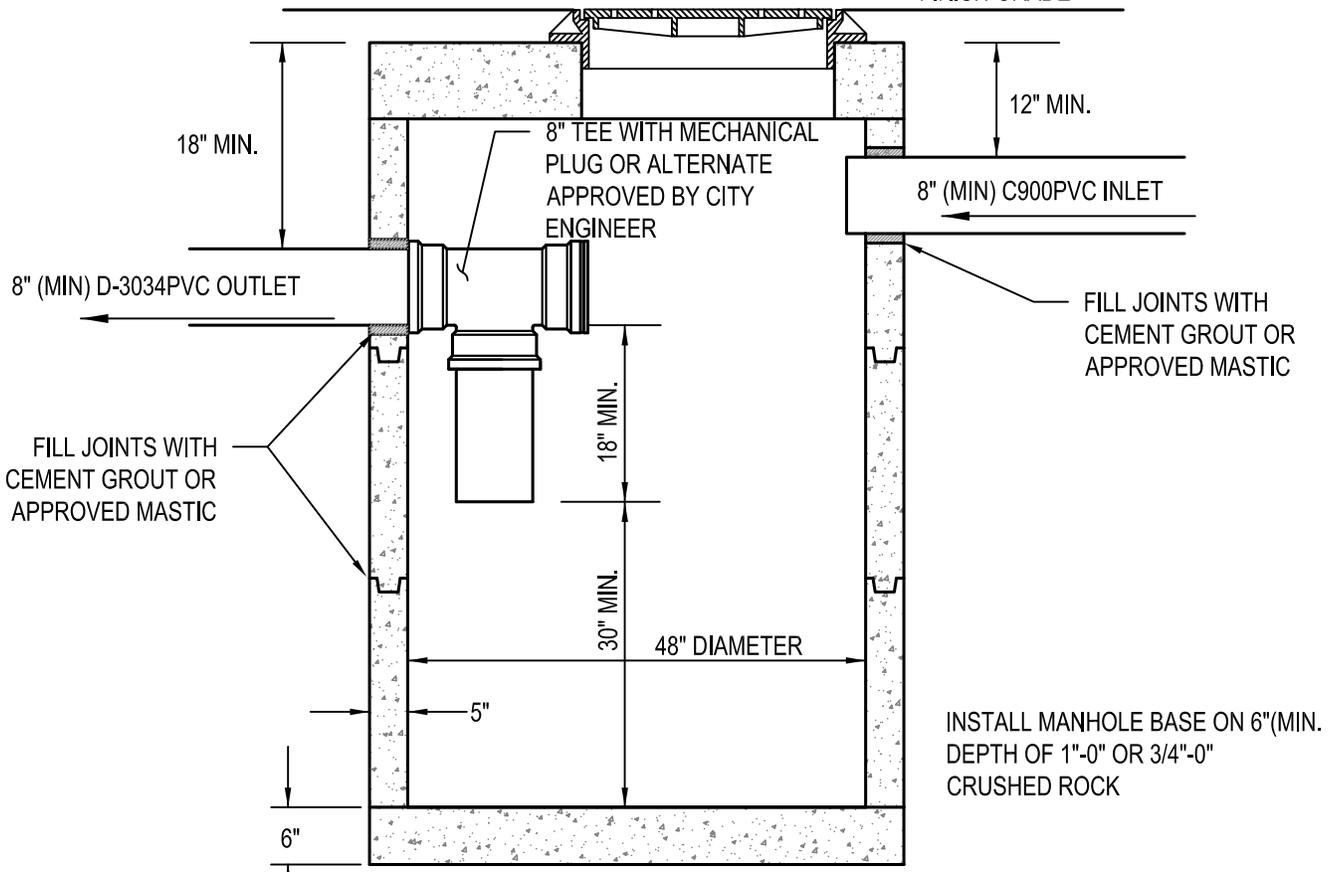
SCALE:	NONE
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3-10



FLAT TOP
 CONE NEEDED WHEN USED IN ROADWAY WITH APPROVAL OF CITY ENGINEER



NOTES:

TYPICAL SECTION

1. ALL MANHOLES OUTSIDE OF PAVED AREAS SHALL HAVE A 6" THICK CONCRETE PAD, 5' SQUARE CENTERED ON THE MANHOLE LID.
2. ALL PRECAST SECTIONS SHALL CONFORM TO REQUIREMENTS OF ASTM C-478.
3. ALL CONNECTING PIPE SHALL HAVE A FLEXIBLE JOINT WITHIN 18" OF THE MANHOLE WALL
4. ALL LADDER RUNG HOLES SHALL BE GROUT FILLED.
5. AN ADJUSTMENT SYSTEM SUCH AS EAST JORDAN IRON WORKS INFRA-RISER, OR APPROVED EQUAL, SHALL BE USED TO ADJUST MANHOLE FRAME AND COVER TO FINISH GRADE.

	City of Sisters • Standard Detail	SCALE: NONE	DRAWING NO. 3-12
	SEDIMENTATION MANHOLE	DRAWN BY: EH	
		APPROVED BY: PB	
		REVISION DATE: 2/10/2020	