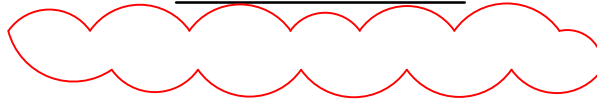



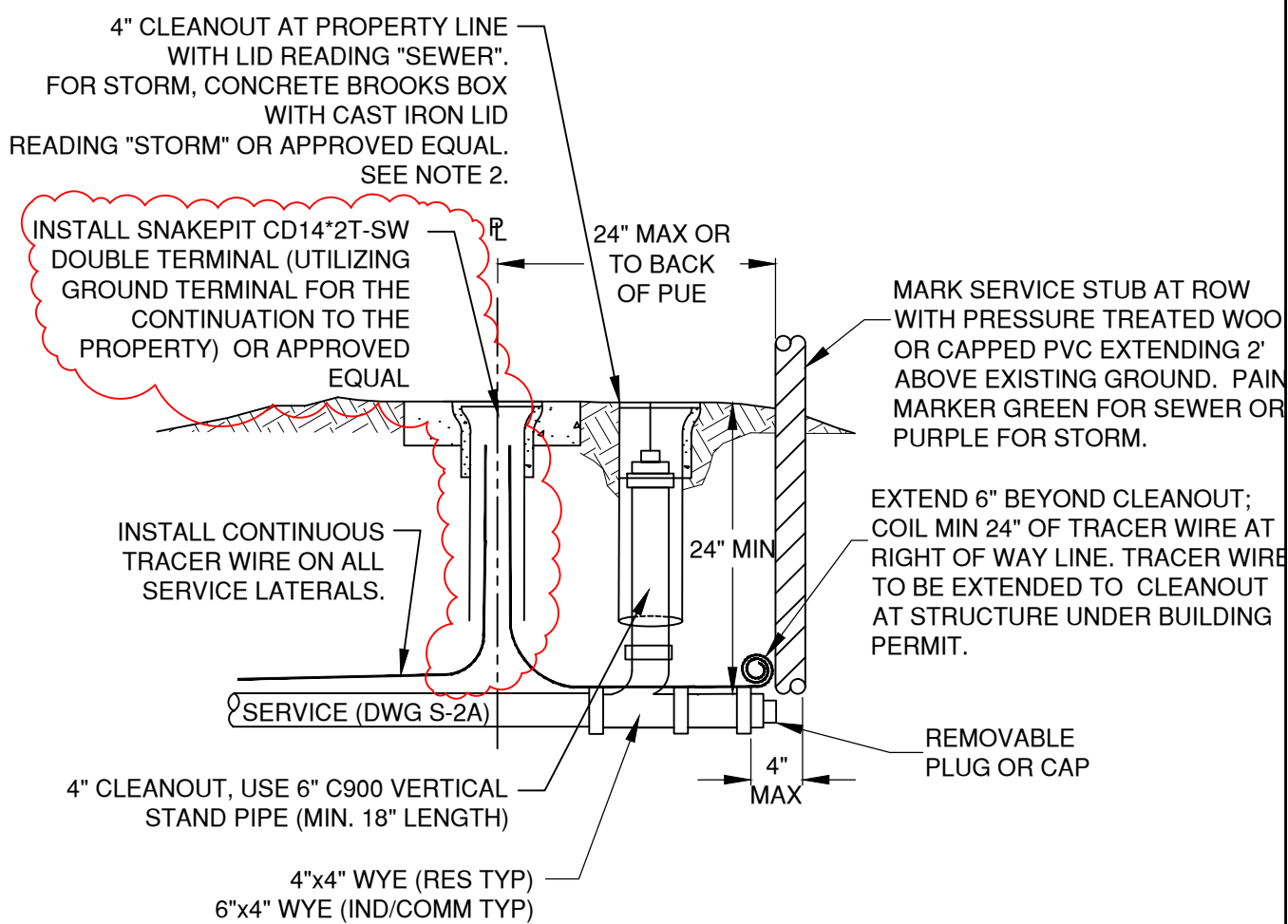
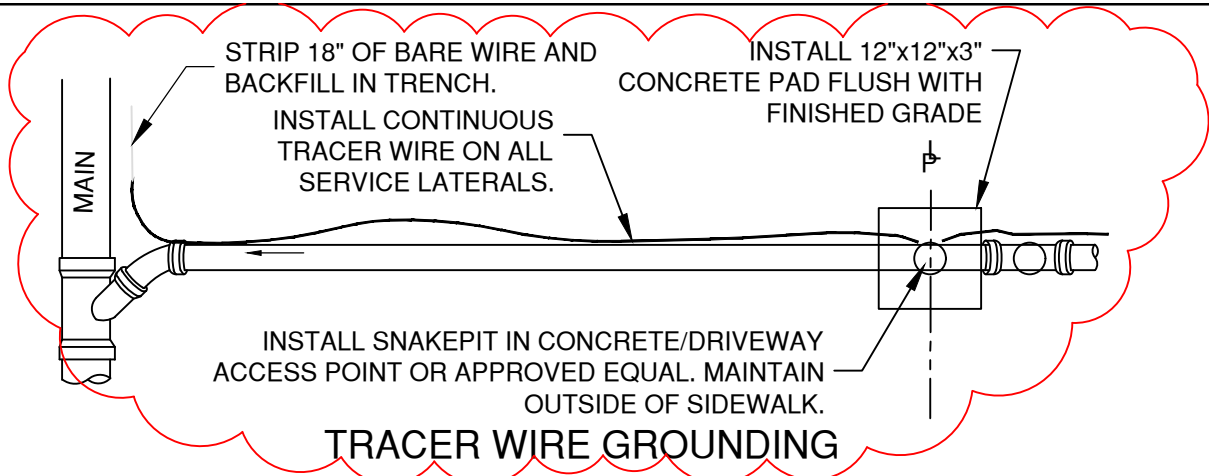
SEWER SADDLE



NOTES:

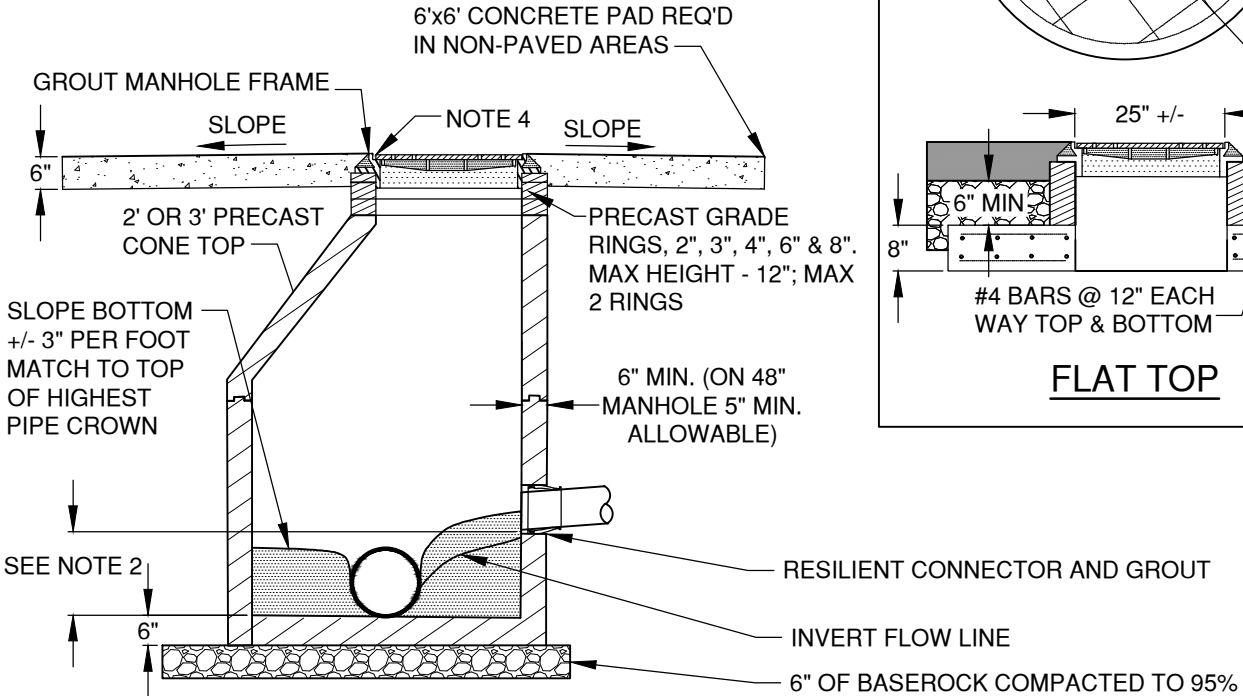
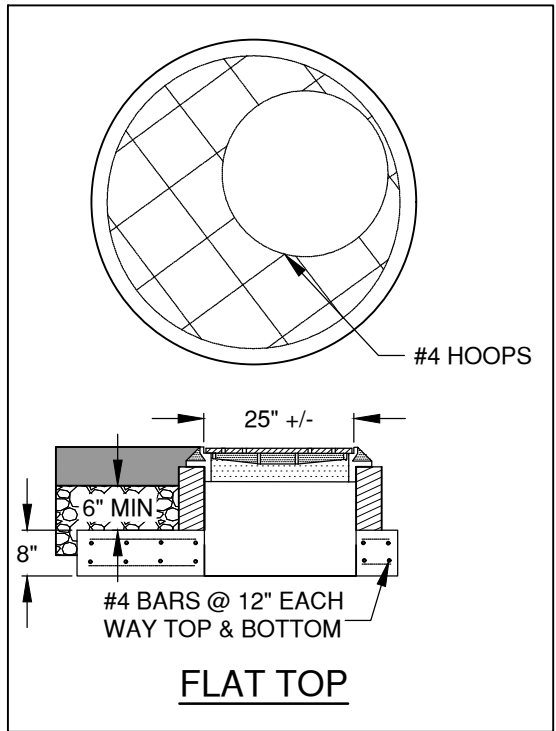
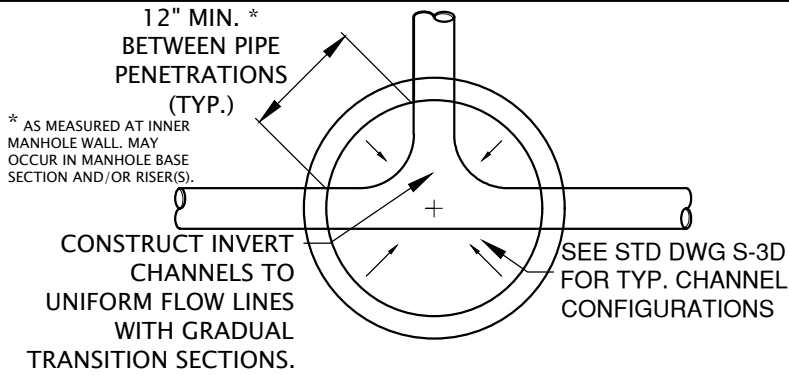
1. INSTALL SERVICE LATERAL PER STD DWG S-2A
2. CONNECTION TO EXISTING MAINS MAY BE CUT-IN FITTINGS PER STD DWG S-2A OR TAPS PER THIS DETAIL. PVC MAINS TO UTILIZE CUT IN FITTINGS UNLESS APPROVED BY THE CITY ENGINEER.
3. SEWER SADDLE SHALL BE ROMAC STYLE "CB" OR APPROVED EQUAL.
4. INSTALL CONNECTION PER THE MANUFACTURER'S RECOMMENDATIONS.
5. GASKET SEAL EPOXY NOT TO BE INSTALLED ON PVC MAINS.

DRAWN AJD DIV SANITARY REV DATE	 CITY OF BEND	CITY OF BEND STANDARD DRAWING <small>710 NW WALL ST., BEND, OREGON 97701</small> GRAVITY SEWER/STORM SERVICE CONNECTION TO EXISTING MAIN	SCALE NTS DATE 11/01/2024 APPR STD DWG S-2B
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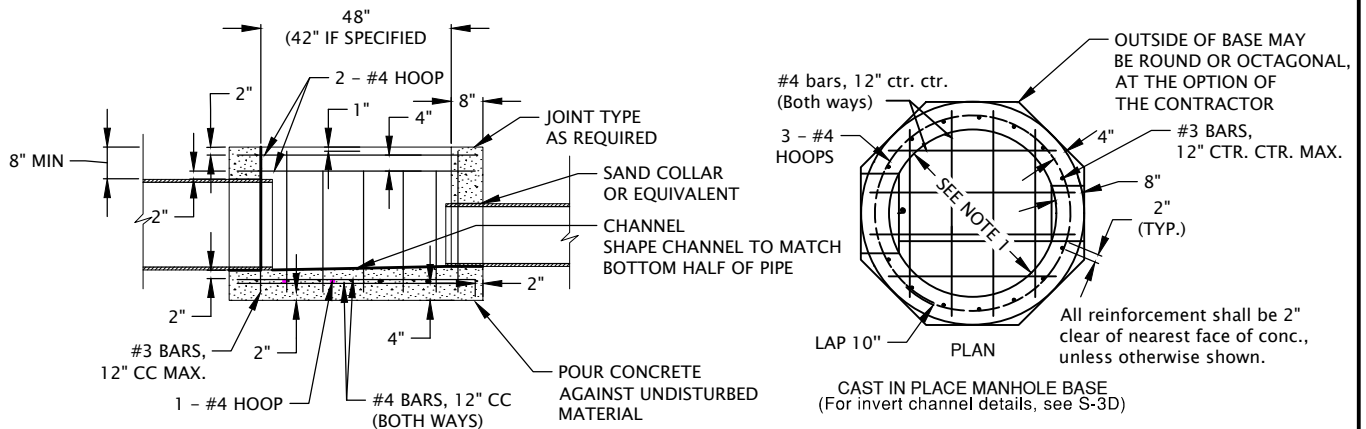


- NOTES:
1. SEE STD DWG S-2A FOR GENERAL NOTES.
 2. INSTALL CONCRETE BROOKS BOX WITH CAST IRON LID ON ALL CLEANOUT OUTSIDE OF SIDEWALK BUT WITHIN HARDSCAPE.
 3. SEE S-2A AND S-2B FOR SERVICE DETAILS.

DRAWN AJD			CITY OF BEND STANDARD DRAWING 710 NW WALL ST., BEND, OREGON 97701		SCALE NTS
DIV SANITARY					DATE 11/01/2024
REV	DATE				APPR
		CITY OF BEND	GRAVITY SEWER/STORM CLEANOUT - SNAKEPIT		STD DWG S-2D



STANDARD MANHOLE WITH PRECAST BASE



CAST IN PLACE MANHOLE BASE

GENERAL NOTES:

1. MANHOLE DIAMETER PER CITY OF BEND DESIGN STANDARDS.
2. THE MAXIMUM INTERNAL DROP IS 1' FOR PIPES 8" IN DIAMETER OR LESS AND 2' FOR PIPES GREATER THAN 8" IN DIAMETER. SEE DWGS S-4 AND S-4A FOR LARGER DROPS.
3. ALL GROUT USED ON MANHOLES SHALL BE NON-SHRINK CONFORMING 02440.50.
4. A SINGLE RISER RING IS ALLOWED ON INITIAL INSTALLATION.

DRAWN	AJD
DIV	SANITARY
REV	DATE



CITY OF BEND

CITY OF BEND

STANDARD DRAWING

710 NW WALL ST., BEND, OREGON 97701

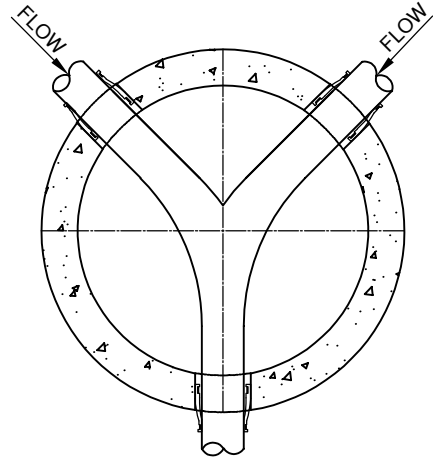
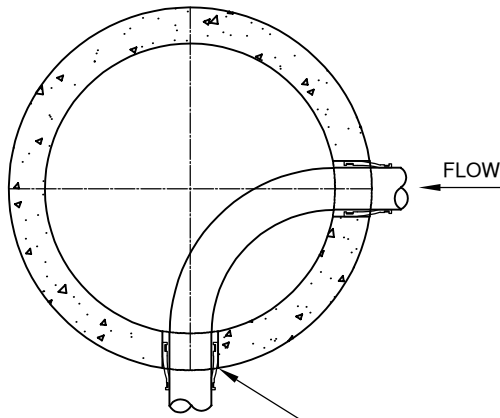
STANDARD SEWER/STORM MANHOLE

SCALE NTS

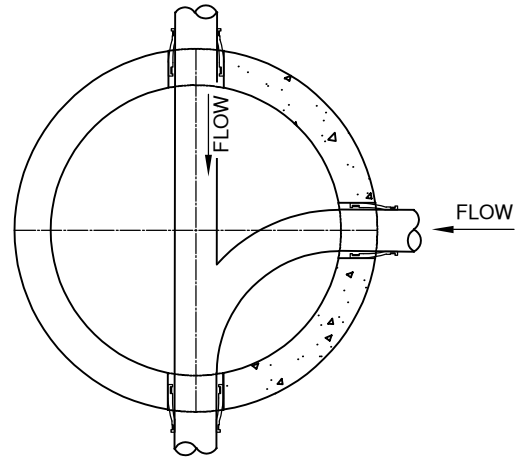
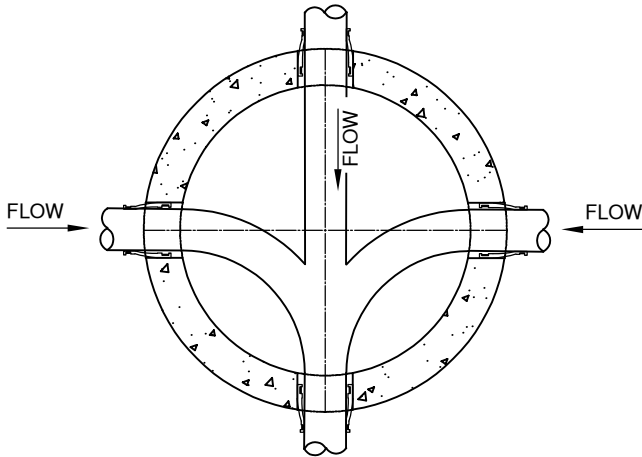
DATE 11/01/2024

APPR

STD DWG S-3C



RESILIENT CONNECTOR WITH GROUT FOR PRECAST BASE. SAND COLLAR OR EQUIVALENT IN POURED IN PLACE BASE.



GENERAL NOTES:

1. FLOW CHANNELS DEVIATING FROM THE STANDARD CHANNELS REQUIRE A DETAIL FOR APPROVAL FROM THE ENGINEER
2. WIDTH OF CHANNEL SHOULD MATCH THE INSIDE DIAMETER OF INCOMING AND OUTGOING PIPES.
3. CHANNEL LINING SHALL BE BLENDED FOR SMOOTH CONTOUR BETWEEN PIPES.
4. GROUT CHANNEL TO SMOOTH FINISH.
5. FINISH BOTTOM TO EVEN SLOPE BROOM FINISH TO DRAIN TO CHANNEL.
6. LOCATE MANHOLE OPENING OPPOSITE OUTLET UNLESS OTHERWISE DIRECTED.
7. ALL GROUT USED ON MANHOLES SHALL BE NON-SHRINK CONFORMING 02440.50.

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DIV SANITARY	
REV	DATE



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STANDARD DRAWING

710 NW WALL ST., BEND, OREGON 97701

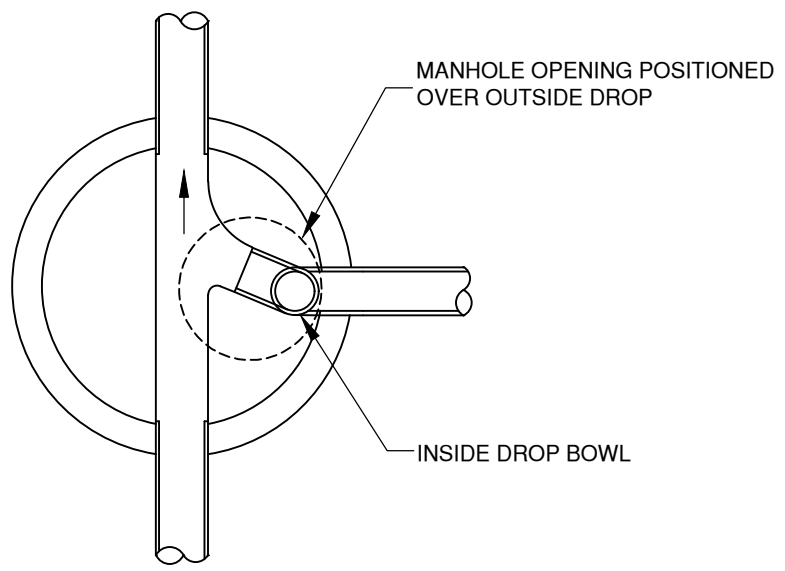
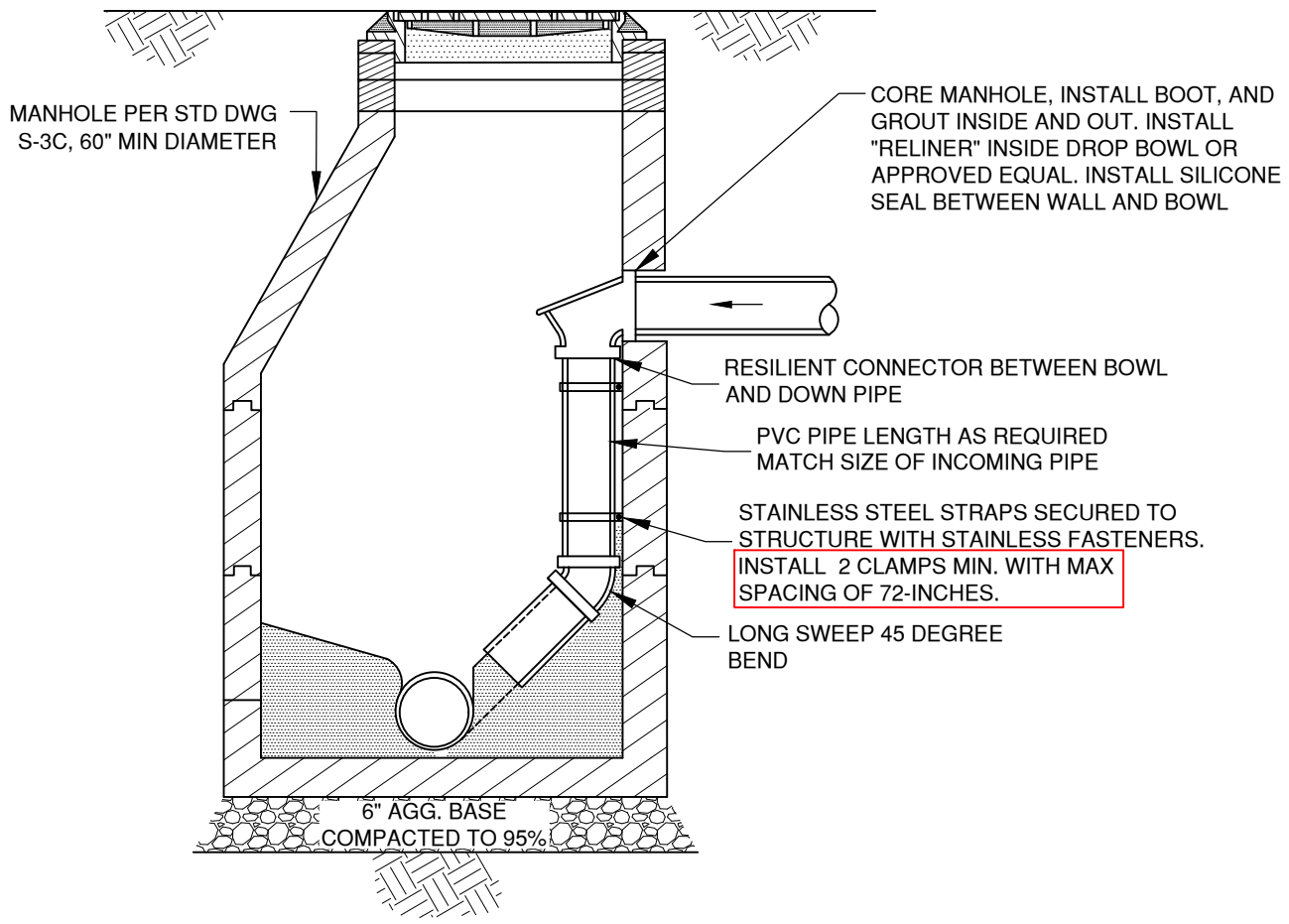
TYPICAL MANHOLE INVERT LAYOUT

SCALE NTS

DATE 11/01/2024

APPR

STD DWG S-3D



NOTES:

- 1. INSIDE DROP MANHOLE FOR USE WITH MAIN SIZE 12" AND SMALLER ONLY

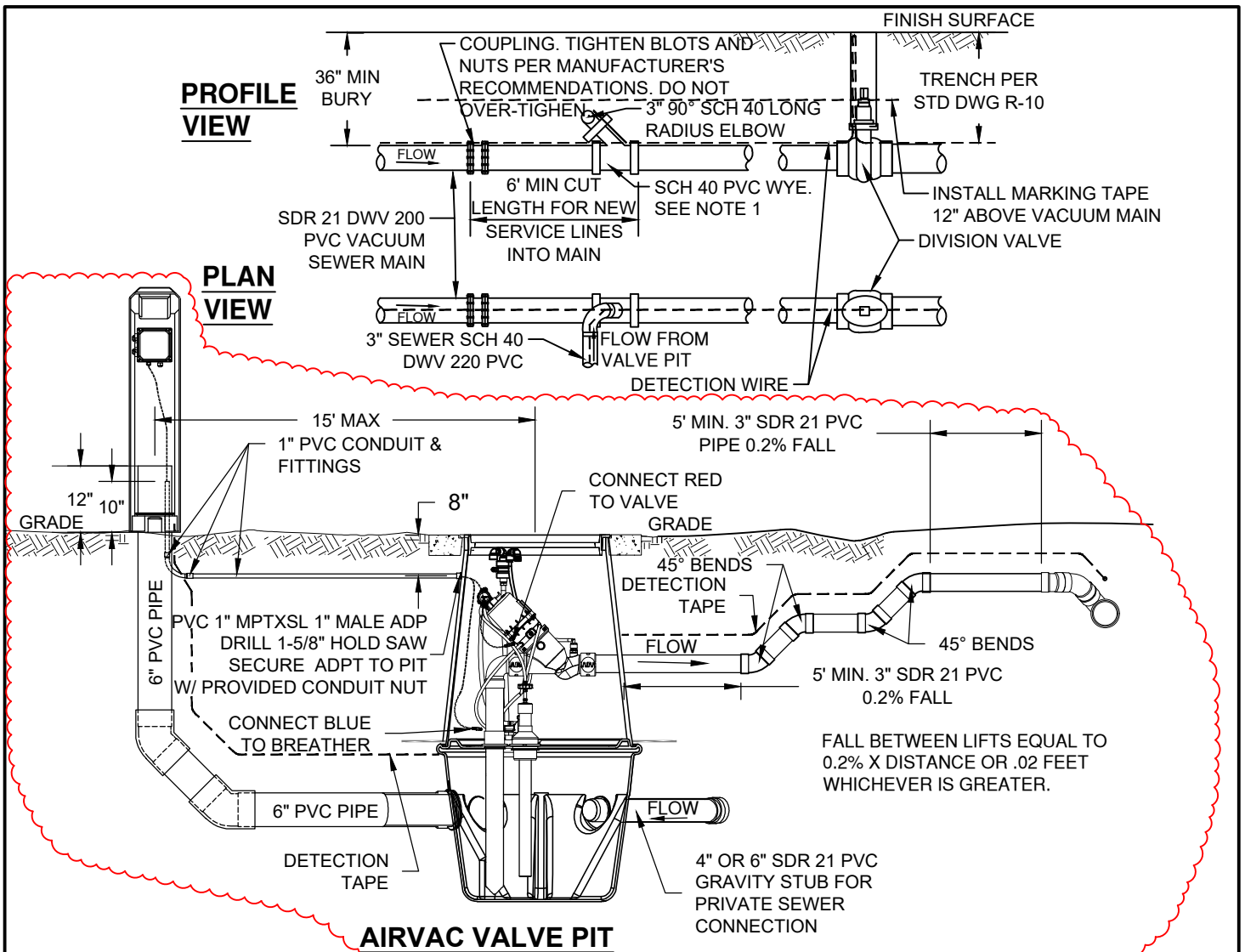
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DIV SANITARY	
REV	DATE



CITY OF BEND
 STANDARD DRAWING
 710 NW WALL ST., BEND, OREGON 97701

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STD DWG S-4A

STANDARD INSIDE DROP - 12" PIPE AND SMALLER



NOTE:

1. ALL WORK DONE ON A VACUUM SEWER SHALL BE COORDINATED WITH PUBLIC WORKS 7 DAYS IN ADVANCE TO COORDINATE VACUUM STATION SHUT DOWN.
2. ALL JOINTS TO BE CONNECTED USING STANDARD PRIMER AND SOLVENT CEMENT. KEEP ALL JOINTS CLEAN AND FREE OF DEBRIS. JOINTS TO BE SCH40 DWV 220 OR APPROVED EQUAL.
3. AFTER INSTALLATION IS COMPLETE, OPEN DIVISION VALVE AND PERFORM VISUAL AND AUDIBLE INSPECTION OF EACH JOINT FOR LEAKS PRIOR TO TRENCH CLOSURE.
4. TRENCH BACKFILL TO BE IN ACCORDANCE TO S-1. MARKING TAPE AND TRACER WIRE TO BE INSTALLED ON ALL MAINS AND SERVICES.
5. INSTALL GRAVITY SEWER LATERALS IN CONFORMANCE WITH PLUMBING CODE. SERVICE LINE FROM THE PIT TO THE HOUSE IS OWNED AND MAINTAINED BY PROPERTY OWNER. CONNECTIONS TO THE AIRVAC VALVE PIT SHALL BE MADE AS PER MANUFACTURER'S SPECIFICATION.
6. AIR-INTAKE SHALL BE INSTALLED IN CONFORMANCE TO THE PLUMBING CODE AND SHALL BE PERMITTED WITH THE BUILDING DEPARTMENT UNDER A PLUMBING PERMIT.
7. PIT TO BE INSTALLED OUTSIDE OF SIDEWALK AND APRON SURFACES IN ROW OR CITY EASEMENT.
8. ALL WORK SHALL CONFORM TO AIR VAC SPECIFICATIONS. NO MORE THAN TWO SERVICES MAY CONNECT TO A ONE VACCUM PIT.
9. CONNECTION AVAILABILITY TO VALVE PIT TO BE DETERMINED BY THE CITY ENGINEER BASED ON MANUFACTURERS ALLOWABLE FLOW INTO PIT AND THE VACUUM SYSTEM.

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DIV SANITARY	
REV	DATE



CITY OF BEND
STANDARD DRAWING
710 NW WALL ST., BEND, OREGON 97701

VACUUM SEWER SERVICE

SCALE NTS
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STD DWG S-16