

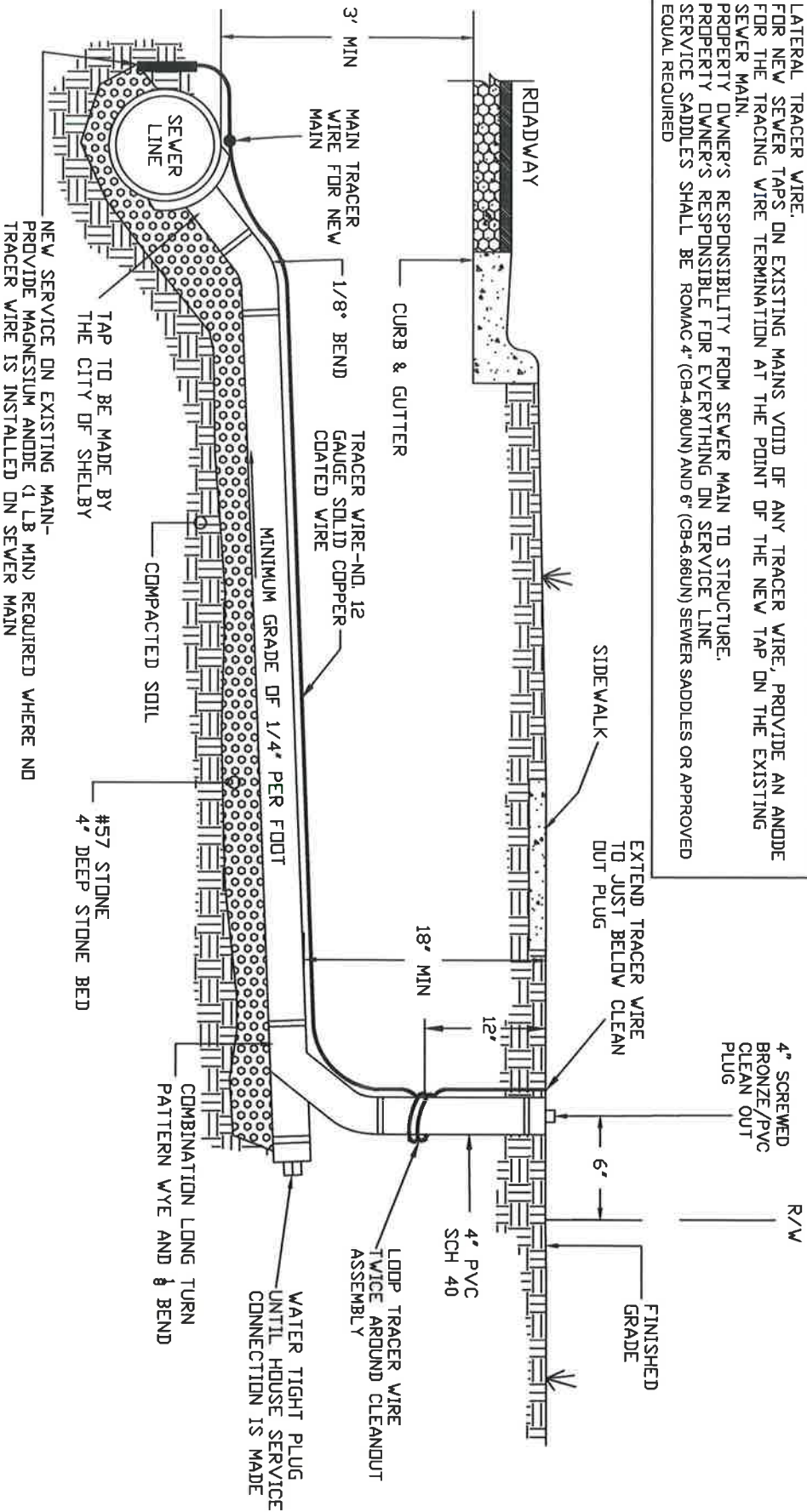
1. THE TRACER WIRE SHALL BE CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. WHERE JOINTS ARE NECESSITATED IN THE WIRE, THE JOINTS SHALL BE SECURELY BONDED TOGETHER WITH AN APPROVED INDUSTRIAL CRIMP CONNECTOR TO PROVIDE ELECTRICAL CONTINUITY. CRIMPS SHALL BE SIMILAR METAL.
2. THE CLEANDOUT AT THE RIGHT OF WAY AND OR EASEMENT SHALL SERVE AS THE TEST PORT WITH THE TRACING WIRE BROUGHT UP OUTSIDE THE CLEANDOUT ASSEMBLY AND WRAPPED AROUND THE STACKED TWICE AT A DEPTH OF APPROXIMATELY 12" BELOW GRADE.
3. SPLICED CONNECTIONS SHALL BE ALLOWED BETWEEN THE MAIN LINE TRACER WIRE AND THE LATERAL TRACER WIRE.



REVISIONS

Shelby
NORTH CAROLINA

- NOTES:**
1. WHEN A SADDLE IS USED, THE HOLE SHALL BE INSTALLED BY CORING.
 2. THE FULL LENGTH OF THE SERVICE DITCH SHALL BE COMPACTED IN 6" LIFTS WITH MECHANICAL TAMP. GUARD STAKE REQUIRED AT CLEAN OUT LOCATION UNTIL LANDSCAPING IS COMPLETED.
 3. THE TRACER WIRE SHALL BE CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. WHERE JOINTS ARE NECESSITATED IN THE WIRE, THE JOINTS SHALL BE SECURELY BONDED TOGETHER WITH AN APPROVED INDUSTRIAL CRIMP CONNECTOR TO PROVIDE ELECTRICAL CONTINUITY. CRIMPS SHALL BE SIMILAR METAL.
 4. THE CLEANOUT AT THE RIGHT OF WAY AND OR EASEMENT SHALL SERVE AS THE TEST PORT WITH THE TRACING WIRE BROUGHT UP OUTSIDE THE CLEANOUT ASSEMBLY AND WRAPPED AROUND THE STACK TWICE AT A DEPTH OF APPROXIMATELY 12" BELOW GRADE.
 5. SPliced CONNECTIONS SHALL BE ALLOWED BETWEEN THE MAIN LINE TRACER WIRE AND THE LATERAL TRACER WIRE.
 6. FOR NEW SEWER TAPS ON EXISTING MAINS VOID OF ANY TRACER WIRE, PROVIDE AN ANODE FOR THE TRACING WIRE TERMINATION AT THE POINT OF THE NEW TAP ON THE EXISTING SEWER MAIN.
 7. PROPERTY OWNER'S RESPONSIBILITY FROM SEWER MAIN TO STRUCTURE.
 8. PROPERTY OWNER'S RESPONSIBILITY FOR EVERYTHING ON SERVICE LINE.
 9. SERVICE SADDLES SHALL BE ROMAC 4" (CB-4.80UN) AND 6" (CB-6.86UN) SEWER SADDLES OR APPROVED EQUAL REQUIRED



TAP TO BE MADE BY THE CITY OF SHELBY
NEW SERVICE ON EXISTING MAIN- PROVIDE MAGNESIUM ANODE (1 LB MIN) REQUIRED WHERE NO TRACER WIRE IS INSTALLED ON SEWER MAIN

SHELBY STANDARD DETAILS - 2025

DATE

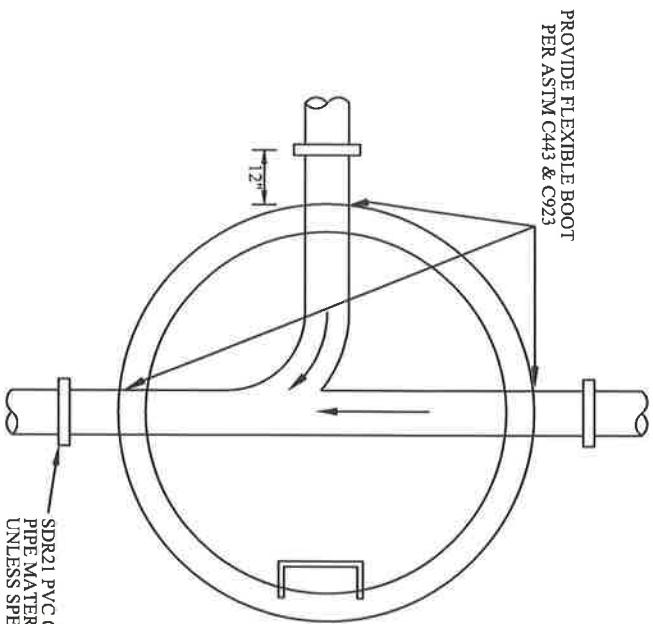
REVISIONS

STANDARD SANITARY SEWER TAP AND SERVICE TO EXISTING MAIN



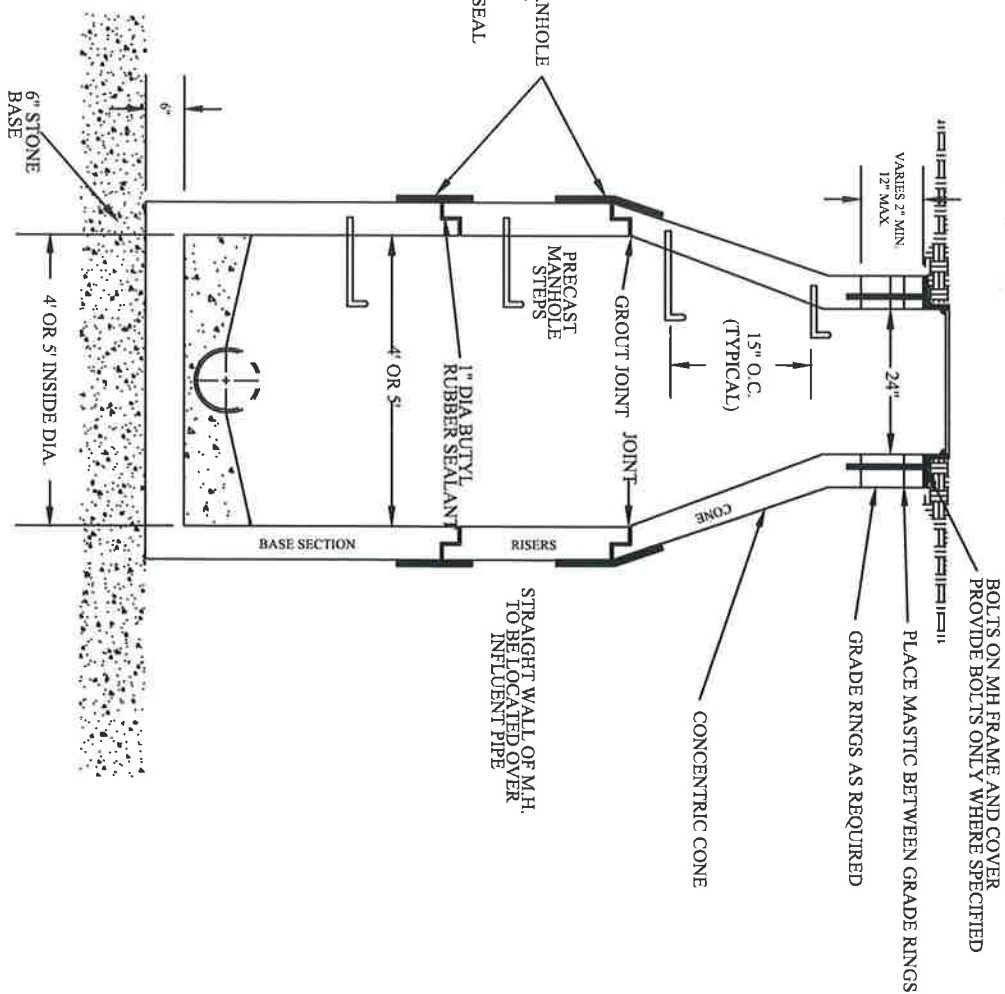
7.01B

- NOTES:
1. MANHOLE RISERS AND CONE SECTIONS SHALL CONFORM TO ASTM C-478, LATEST REVISION.
 2. TRANSITION RINGS SHALL HAVE A MINIMUM CLEARANCE OF 2'-0" ABOVE THE EFFLUENT OVERT ELEVATION.
 3. FLEXIBLE WATERTIGHT, SYNTHETIC RUBBER SLEEVES, WITH STAINLESS STEEL CLAMP- DRAW BOLT AND NUT; OR CAST-IN SLEEVE; OR "A" LOCK CONNECTION SHALL BE FURNISHED FOR EACH PIPE TO MANHOLE CONNECTION.
 4. CONE SECTION TYPE TO BE DETERMINED BY CITY BASED ON INDIVIDUAL PROJECT NEEDS.
 5. MANHOLES SHALL INCLUDE A MINIMUM OF 6" THICK CONCRETE GRADE RING BETWEEN THE CONCENTRIC CONE AND MANHOLE FRAME
 6. EXISTING SEWER AT MANHOLE SHALL BE REPLACED APPROXIMATELY 10' EACH SIDE.
 7. 5' DIAMETER MANHOLE SHALL BE USED FOR PIPE DIAMETERS OF 15" AND GREATER
 8. MANHOLES STEPS SHALL BE 90 DEGREE FROM INVERTS



SDR21 PVC OR CL52 DIP 401 LINED PIPE MATERIAL FOR ALL SEWER MAINS UNLESS SPECIFIED OTHERWISE

NOTE: WRAP ALL MANHOLE JOINTS WITH A HEAT SHRINKABLE SHEET SIMILAR TO WRAPIDSEAL



STANDARD MH RINGS AND COVERS: VULCAN FOUNDRY, INC., "V-B1384", NEENAH "R-1550", U.S. FOUNDRY "USF-669 VENTED", OR EQUAL.
WATERTIGHT MH RINGS AND COVERS: VULCAN FOUNDRY, INC., "V-2328", NEENAH "R-1915H", U.S. FOUNDRY "USF-669 BWT", OR EQUAL.

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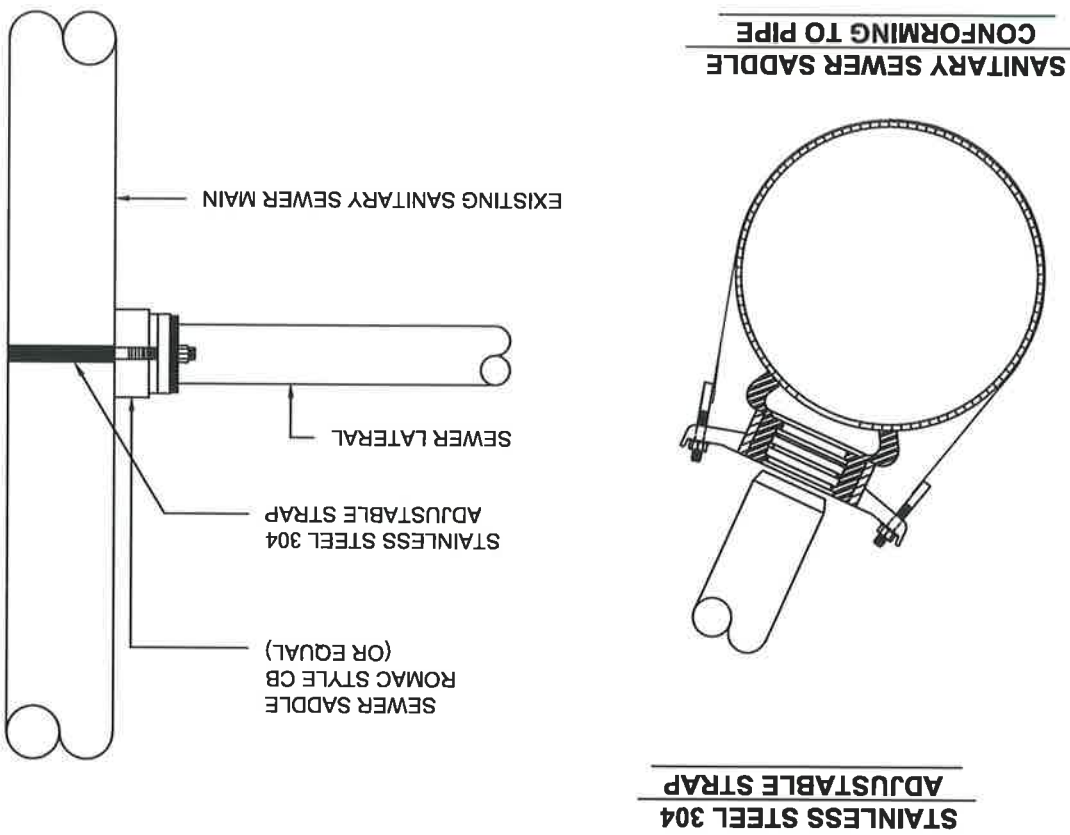
DATE	REVISIONS

4' / 5' DIAMETER PRECAST MANHOLE

7.11 	SANITARY SEWER TAP	SHELBY STANDARD DETAILS - 2025 REVISIONS DATE
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NOTE:

1) PIPE TO BE TAPPED USING A HOLE SAW OR APPROVED EQUAL
2) ROMAC 4" (CB-4.80UN) AND 6" (CB-6.66UN) SEWER SADDLES OR APPROVED EQUAL REQUIRED
3) IF ON EXISTING SEWER, CITY WILL TAP/CORE THE SEWER LINE
4) IF ON A SEWER EXTENSION, CONTRACTOR IS RESPONSIBLE FOR TAP/CORE

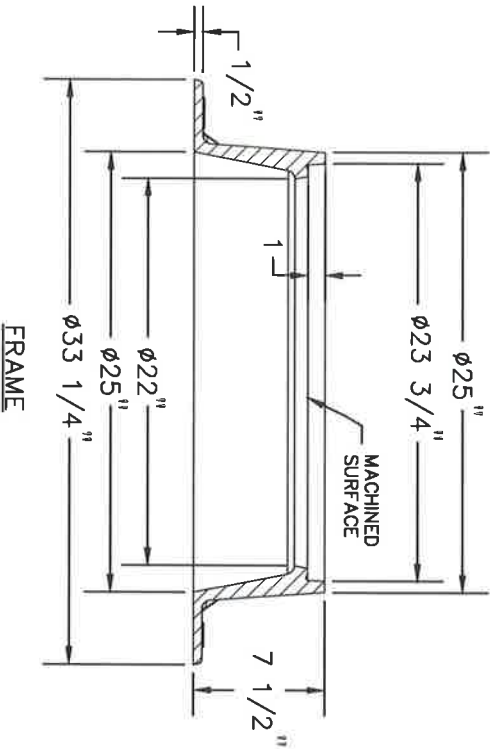
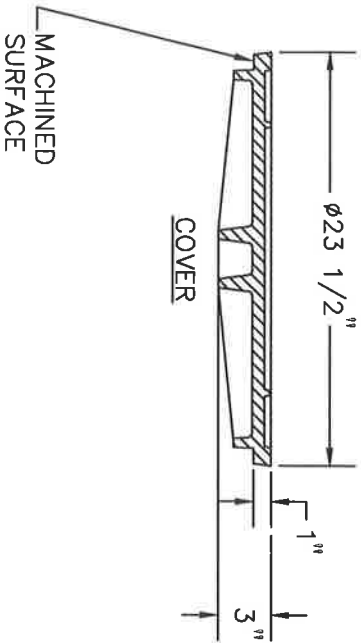


NOTE:

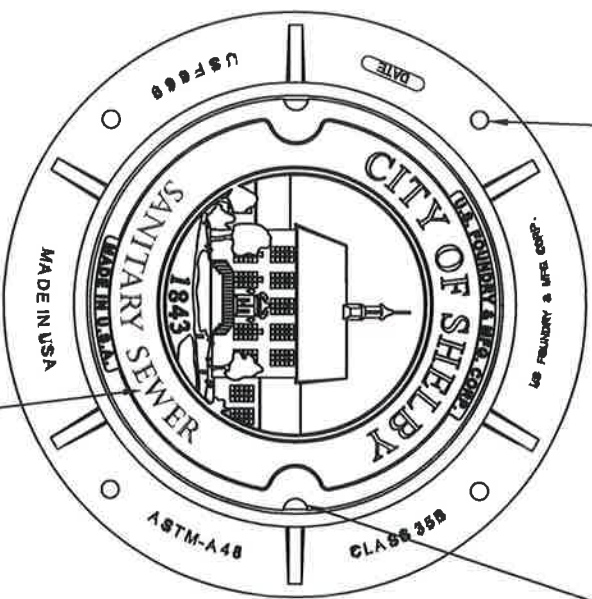
BOLTS, NUTS AND WASHERS, 3/4" UNC
ROLL THREAD TEFLON COATED.
3 1/2" WIDE BAND FOR SPREADING OUT
CLAMP FORCE ON PIPE.
THE STAINLESS WELDS ARE FULLY
PASSIVATED.
EXCESS STRAP GOES BETWEEN PIPE
AND BAND

ESTIMATED WEIGHT	
VULCAN TYPE V-1384	U.S. FOUNDRY 689 RING & KU COVER
LOAD RATING - HEAVY DUTY	LOAD RATING - HEAVY DUTY
FRAME 240 LBS.	FRAME 190 LBS.
COVER 145 LBS.	COVER 125 LBS.
TOTAL 385 LBS.	TOTAL 315 LBS.

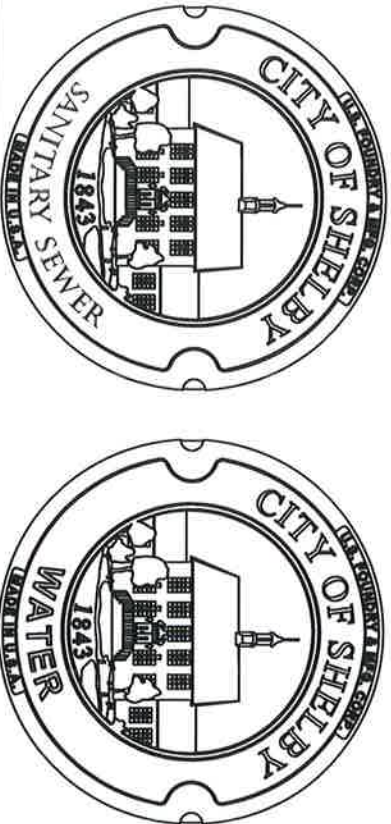
NOTE:
MANHOLE COVERS IN ROADS TO BE
SOLID AND LABELED PER UTILITY
(I.E. WATER/SEWER) WITH CITY LOGO



(2) - NON PENETRATING
PICKHOLES.
4-1" DIA. ANCHOR HOLES
@ 90° O.C.



LABEL ACCORDING TO UTILITY
(I.E. WATER, SEWER, ETC.)



SHELBY STANDARD DETAILS - 2025

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REVISIONS

STANDARD MANHOLE RINGS AND COVER
FOR MANHOLES IN PAVED AREAS



7.12A