



1. VALVE BOX SHA SHALL HAVE RAISED LETTERS "SEWER" CAST INTO COVER.
2. VALVE BOX ACCOMMODATES 4" THRU 12" VALVES.
3. VALVE BOX SHALL HAVE $\frac{3}{8}$ " HOLE DRILLED IN TOP SECTION THRU WHICH A $\frac{1}{4}$ " x $\frac{1}{2}$ " GALVANIZED BOLT SHALL BE USED TO SECURE A 12GA. THIN TRACER WIRE FOR NON-FRIOUS PIPE. A $\frac{1}{2}$ " WASHER SHALL BE USED BETWEEN BUT AND INSIDE OF BOX. TIGHTEN HAND TIGHT.
4. SCREW TYPE VALVE BOXES ARE REQUIRED.
5. DIMENSIONS SHOWN MAY VARY DEPENDING UPON THE MANUFACTURER.

SCREW TYPE VALVE BOX DETAIL



1. WHEN IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
2. ALLOWABLE PIPE AND/OR JOINT DEFLECTIONS MAY BE USED IN LIEU OF BENDS TO ACHIEVE REQUIRED CLEARANCE OVER OR UNDER SEWER.

SANITARY AND STORM SEWER CROSSING DETAIL

N.T.S.

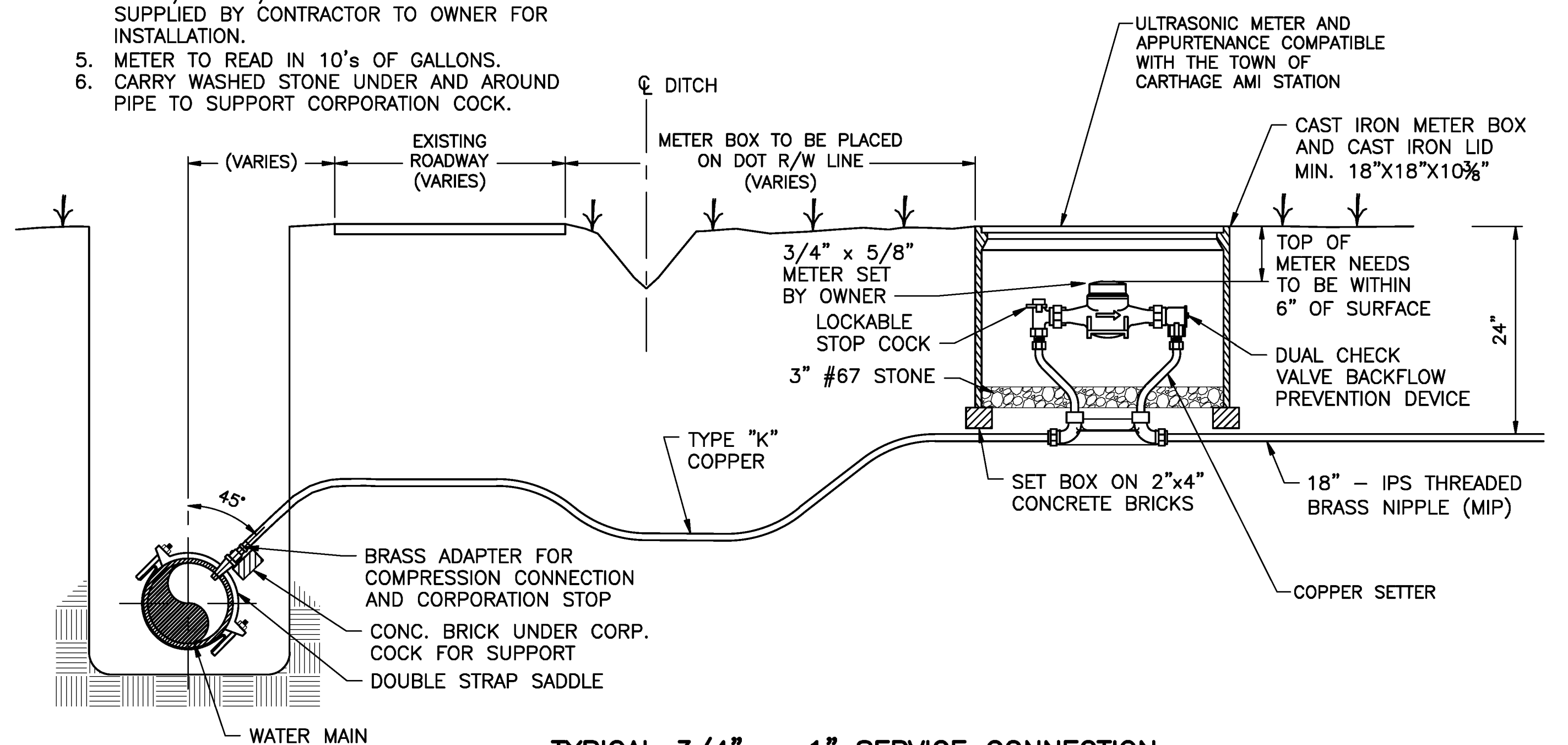
GENERAL NOTE:

CONTRACTOR SHALL BACKFILL ALL TRENCHES, BORE
PITS, AND OTHER EXCAVATIONS AT THE END OF EACH
WORK DAY. NO TRENCHES, BORE PITS, OR OTHER
EXCAVATION SHALL BE LEFT OPEN OVERNIGHT.



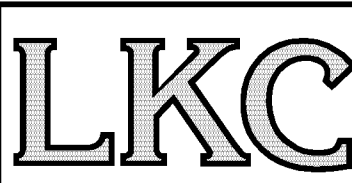

- NOTES:

1. MAXIMUM DIRECT TAP SIZES ARE INDICATED IN SPECIFICATIONS.
2. METER BOX TO BE LOCATED ON R/W.
3. ALL FITTINGS TO BE FLARED. COMPRESSION FITTINGS ARE NOT ALLOWED.
4. ALL 5/8" X 3/4" WATER METERS TO BE SUPPLIED BY CONTRACTOR TO OWNER FOR INSTALLATION.
5. METER TO READ IN 10's OF GALLONS.
6. CARRY WASHED STONE UNDER AND AROUND PIPE TO SUPPORT CORPORATION COCK.



TYPICAL 3/4" or 1" SERVICE CONNECTION

N.T.S.

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	DESIGNED BY: MAL		
	DRAWN BY: RMG		
	CHECKED BY: MAL		
	APPROVED BY: -		
	REVISED: -		
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
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