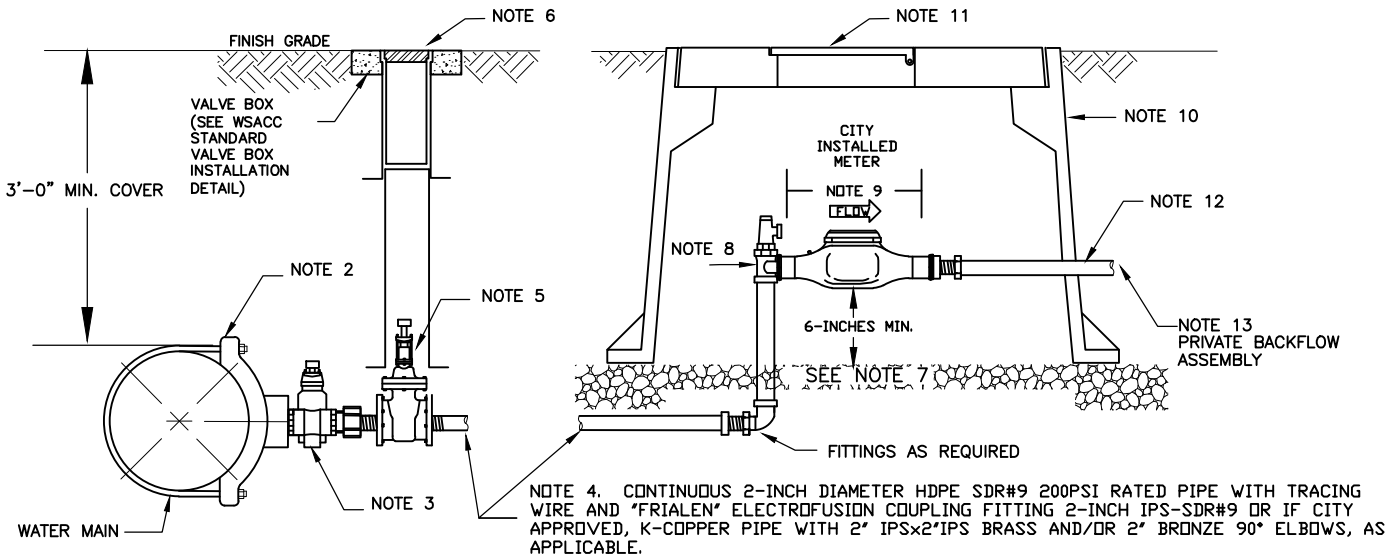
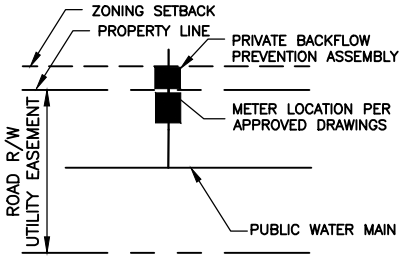


SIDE VIEW

NOT TO SCALE

GENERAL NOTES:

1. FOR RESIDENTIAL, NON-RESIDENTIAL, MULTI-FAMILY, COMMERCIAL, AND /OR INDUSTRIAL SITE DEVELOPMENT AND /OR IN CONJUNCTION WITH A PERMITTED PUBLIC MAIN EXTENSION; THE 2-INCH WATER SERVICE(S) SHALL BE DEVELOPER INSTALLED, UNLESS OTHERWISE SPECIFIED BY THE CITY.
2. 2-INCH TAPPING SADDLE: 2-INCH TAPPING SADDLES SHALL BE BRASS MANUFACTURED BY FORD "S-70", MUELLER "H-13420", OR EQUAL; 6-INCH TO 12-INCH TAPPING SADDLE SHALL BE DOUBLE STRAP, STAINLESS STEEL, EPOXY OR NYLON COATED; OR SOLID BRASS MANUFACTURED BY SMITH BLAIR "317", ROMAC "202N", OR EQUAL.
3. BALL CORPORATION STOPS SHALL BE HIGH PRESSURE RATED AT 150 PSI BRASS COMPRESSION FITTING TYPE WITH STANDARD THREADS FOR INSERTION INTO THE TAPPING SADDLE AND WITH SERVICE PIPE CONNECTION INCLUDING COUPLING AND GASKET. CORPORATION STOPS MANUFACTURED BY MUELLER "H10045", FORD "FB1600", OR EQUAL.
4. 2-INCH DIAMETER HDPE SDR#9 200 PSI RATED PIPE WITH TRACING WIRE AND "FRIALEN" ELECTROFUSION COUPLING FITTINGS PER AWWA C901; OR IF AUTHORIZED BY THE CITY, K-COPPER PIPE WITH 2"IPSX2"IPS BRASS, 2" BRONZE 90-DEGREE ELBOWS, AS APPLICABLE.
5. GATE VALVE SHALL BE 2-INCH EPOXY COATED CAST IRON RESILENT WEDGE FIP TO FIP CONNECTION WITH LEFT TURN OPERATION. GATE VALVE MANUFACTURE BY AMERICAN FLOW CONTROL SERIES 2500 NRS, MUELLER, OR EQUAL.
6. STANDARD VALVE BOX PROTECTION IWITH 2'-0" X 2'-0" CONCRETE PROTECTOR RING, CAST IRON IN ACCORDANCE WITH THE WATER & SEWER AUTHORITY OF CABARRUS COUNTY (WSACC) TECHNICAL STANDARDS MANUAL AND DETAILS.
7. 4 TO 6-INCHES OF COMPACTED WASHED STONE IN METER BOX BASE AND FOOTINGS.
8. 2-INCH BRASS METER VALVE FLANGE MANUFACTURED BY FORD "BFA13-777W" OR EQUAL.
9. THE OCTAVE METER, CAT.# 1301009V402MM / 0318-F1-D09, RADIO READ METER ASSEMBLY. ALL APPURTENANCES FOR THE INSTALLATION OF THE WATER METER; THE METER, BRASS GROUND LOCKABLE METER CUTOFF, GASKETS, AND EXPANSION CONNECTION; SHALL BE DEVELOPER INSTALLED AND INSPECTED BY THE CITY OF CONCORD. THE METER INSTALLATION MUST BE COORDINATED WITH AND AUTHORIZED BY THE DESIGNATED CITY OF CONCORD CONSTRUCTION INSPECTOR.
10. METER BOX SHALL BE GLASMASTERS UNDERGROUND ENCLOSURE OR A CITY APPROVED EQUAL; 17X30 STRAIGHT WALL -OPEN BOTTOM TIER 8 LOAD RATING BOX TIER WITH TWO MOUSE HOLES; AND SHALL HAVE A MINIMUM 12-INCH HEIGHT AND BE GRAY IN COLOR, MODEL NUMBER S173012S20N08-1; OR CITY APPROVED EQUAL. ADDITIONAL BOX HEIGHT MUST BE AUTHORIZED BY THE CITY.
11. METER BOX LID SHALL BE GLASMASTERS UNDERGROUND ENCLOSURES OR A CITY APPROVED EQUAL; 17X30 COVER WITH SINGLE AMR MOUNTING HOLE, 2 THRU W/4.125 DIA X 0.25 DEPTH COUNTER BORE, WITH TIER 08 LOAD RATING AND GRAY IN COLOR, MODEL NUMBER S 1730SN08-1-WA; OR CITY APPROVED EQUAL. THE METER BOX RIM AND COVER SHALL BE SET FLUSH TO FINAL GRADE. METER BOX ASSEMBLY SHALL NOT BE LOCATED WITHIN AREAS SUBJECT TO VEHICULAR AND PEDESTRIAN TRAFFIC AND/OR DRAINAGE FEATURES.
12. PIPE TO EXTEND AT LEAST 12-INCHES PAST METER BOX TO FACILITATE SERVICE CONNECTION.
13. THE PRIVATE BACKFLOW: A CITY APPROVED BACKFLOW PREVENTION DEVICE SHALL BE AS REQUIRED BY LOCAL ORDINANCE. THE DEVELOPER'S UTILITY CONTRACTOR SHALL INSTALL A BACKFLOW PREVENTION ASSEMBLY WITH ENCLOSURE ON WATER SERVICE LINE WITHIN 5-FT METER ASSEMBLY IN A LEVEL AREA LOCATED OUTSIDE OF THE PUBLIC RIGHT OF WAY/EASEMENT AND OUTSIDE AREAS SUBJECT TO VEHICULAR/PEDESTRIAN TRAFFIC, AND STORMWATER RUN-OFF/POOLING IN ACCORDANCE WITH THE LOCAL ORDINANCE AND BACKFLOW PREVENTION MANUAL.
14. FOR PROPOSED RESIDENTIAL AND NON-RESIDENTIAL, MULTI-FAMILY, COMMERCIAL, AND /OR INDUSTRIAL SITE DEVELOPMENT WITH NEW CURB INSTALLATION AND/OR CURB REPLACEMENT ON CITY OF CONCORD ROADWAYS, A "W" SHALL BE INSCRIBED IN THE FACE OF THE CURB ABOVE THE LOCATION OF THE INSTALLED WATER SERVICE.
15. FOR PAVEMENT OPEN CUTS ASSOCIATED WITH WATER SERVICE EXTENSION WITHIN CONCORD ROADWAYS, THE CONCORD'S DEVELOPMENT ORDINANCE/TECHNICAL STANDARDS MANUAL/MANUAL OF STANDARD DETAILS "MISC 202 UTILITY CUT REPLACEMENT DETAIL" IS TO BE UTILIZED FOR THE PAVEMENT CUT, PATCH, REPAIR, MILLING, AND OVERLAY OF CONCORD'S ROADWAYS. NCDOT TECHNICAL SPECIFICATIONS FOR TRAFFIC CONTROL AND SHORING WILL BE REQUIRED, AS APPLICABLE.



GENERAL LOCATION REQUIREMENT

N.T.S.

FINAL METER LOCATION TO BE IN COMPLIANCE WITH THE APPROVED DRAWINGS & CITY OF CONCORD ORDINANCE

Concord NORTH CAROLINA High Performance Living

WATER METER STANDARD DETAIL

TYPICAL 2-INCH WATER SERVICE LATERAL

No.	Date	By	REVISION

Drawn By:	Checked By:	Approved By:	Date	Sht	of
			04/24		