



\*BYPASS LINE MUST BE ABLE TO PROVIDE REQUIRED FIRE FLOW IF METER IS OFFLINE.



NEW BRAUNFELS UTILITIES  
WATER SYSTEMS ENGINEERING

DRAWN BY:  
**A. Willard**  
APPROVED BY:  
**A. Willard**  
DRAWING DATE:  
**8/17/21**

STANDARD DRAWING:

**FIRE & DOMESTIC SERVICE METER  
ASSEMBLY**

SCALE:  
**N.T.S.**

SHEET:  
**1 OF 2**

DRAWING NO.

**211**

NOTES:

1. METER VAULT SHALL BE LOCATED BEHIND CURB AND/OR WALK AND OUT OF VEHICULAR TRAFFIC
2. METER – METER SHALL BE MASTER METER OCTAVE, NEPTUNE MACH 10, OR NBU APPROVED EQUAL. METER SHALL BE PROVIDED WITH NICOR HYDROCONN SERIES IV CONNECTOR CABLE OR NBU APPROVED EQUAL.
3. MAIN LINE AND BYPASS VALVES WITHIN THE VAULT SHALL BE RESILIENT WEDGE GATE VALVES WITH WITH HANDWHEEL AND CORROSION RESISTANT FUSION BONDED EPOXY COATING ON INTERIOR AND EXTERIOR SURFACES. PROPERTY OWNER’S VALVE SHALL BE LOCATED OUTSIDE OF THE METER VAULT.
4. FACTORY NOTCHES WHERE PIPING GOES THROUGH VAULT WALL SHALL BE FILLED WITH NON-SHRINK GROUT.
5. ALL PIPE, VALVES, AND FITTINGS WITHIN THE VAULT SHALL RECEIVE AN EPOXY COATING SYSTEM SUITABLE FOR THE ENVIRONMENT IN A "SAFETY BLUE" FINISH.
6. CONCRETE – DESIGN STRENGTH OF 4,500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
7. REINFORCEMENT – GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
8. ACCESS HATCHWAY – 1/4" ALUMINUM DIAMOND PLATE COVER WITH EXTRUDED ALUMINUM FRAME AND H-20 LOAD RATING. HATCH TO BE FURNISHED WITH 316 STAINLESS STEEL SLAM LOCK AND HINGES AND HALLIDAY PROTECTIVE SAFETY GRATE OR NBU APPROVED EQUAL.
9. THE METER ASSEMBLY SHALL BE FACTORY ASSEMBLED IN VAULT AND HYDROSTATICALLY TESTED PRIOR TO DELIVERY.



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