



TYPICAL SERVICE ACCESS AREA

NOT TO SCALE

LEGEND

NOTES

ITEM	MATERIAL
(1)	DUCTILE IRON, TYPICAL, CL 350
(2)	90° BEND (FLG x FLG)- 1/4" MORTAR LINED, NAPPCO 250 OR APPROVED EQUAL
(3)	OS & Y GATE VALVE (FLG x FLG)
(4)	CONCRETE THRUST BLOCK WITH 3/4" DIA. STAINLESS STEEL ANCHOR.
(5)	WATER METER (MASTER METER OR APPROVED EQUAL)
(6)	DUCTILE IRON SPOOL (FLG x FLG)
(7)	THRUST BLOCK PER MBWS-704A (ST-20).
(8)	PIPE SUPPORT
(9)	90° BEND (MJ x FLG)- 1/4" MORTAR LINED, NAPPCO 250 OR APPROVED EQUAL
(10)	TAPPING SLEEVE WITH FLANGED BRANCH, MUELLER H-615 OR APPROVED EQUAL
(11)	TAPPING VALVE, FLG x MJ, MUELLER H-667 OR APPROVED EQUAL
(12)	8" GALVANIZED ADJUSTABLE VALVE BOX, 20 GA.
(13)	8" CAST IRON LID MARKED "WATER."
(14)	FLANGE FITTING MORTAR LINED NAPPCO 250 OR APPROVED EQUAL.

- WHERE CITY MAIN DIAMETER ALLOWS, INSTALL TAPPING SLEEVE WITH FLANGED BRANCH, MUELLER OR APPROVED EQUAL. WHERE DIAMETER DOES NOT ALLOW TAPPING, AN APPROPRIATE DIAMETER MJ x MJ x FLANGE TEE SHALL BE CUT IN. CONTRACTOR SHALL COORDINATE MAIN SHUTDOWN WITH CITY AND SUBMIT RESIDENCE/BUSINESS SHUTDOWN NOTIFICATIONS.
 - INSTALLATION SHOULD CONFORM TO L.A. COUNTY DHS, SAFE PLUMBING PRACTICES.
 - BY-PASS LINE VARIES IN SIZE (1-1/2" TO 4")*
 - LOCATIONS AND ALL DIAMETERS SHALL BE PER APPROVED PLANS OR AS DIRECTED BY CITY ENGINEER.
 - INSTALLATION ABOVE GROUND OR STRAIGHT-LINE CONNECTION BELOW GROUND WITH VAULT PER "MBWS-711A-0 METER BOX DETAIL" SHALL BE PER APPROVED PLAN OR AS DIRECTED BY CITY ENGINEER.
 - ALL MJ FITTINGS SHALL BE RESTRAINT (MEGA-LUG) TYPE
- *THE PROPERTY TO BE SERVED MAY REQUIRE A BACKFLOW PREVENTER. CONTACT THE WATER DEPARTMENT CROSS CONNECTION PERSONNEL TO CONSULT AND CONFIRM THE REQUIRED BACKFLOW PREVENTION ASSEMBLY REQUIRED.



DATE REVISED
11-24-2021

**CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS**

3" AND ABOVE WATER SERVICE INSTALLATION NO BACKFLOW PREVENTER

APPROVED BY
[Signature]
PREM KUMAR, CITY ENGINEER
DATE 12/02/2021

STANDARD PLAN NUMBER
MBWS-717A-0 (ST-18)
SHEET 1 OF 1