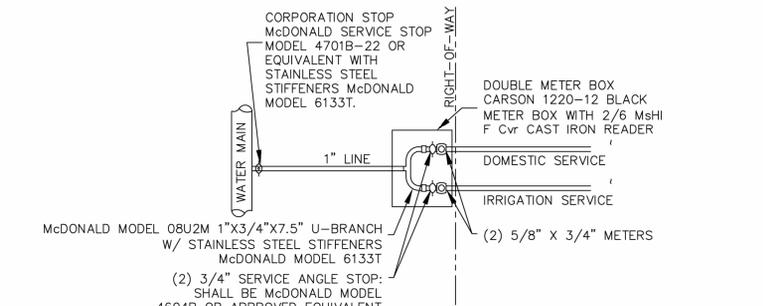


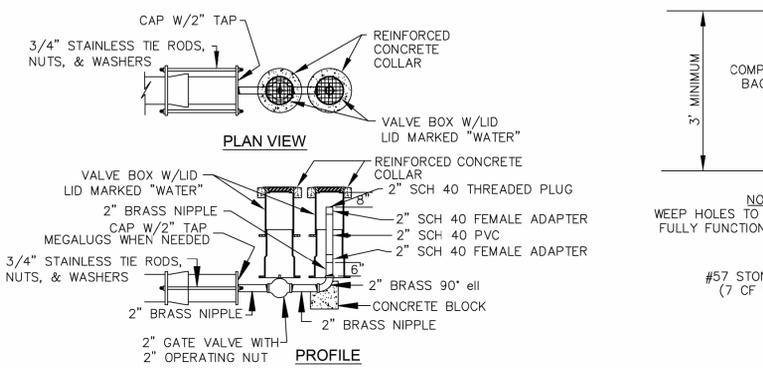
NOTES:
 1. NO JOINT SHALL BE INSTALLED BETWEEN THE MAIN SERVICE TAP AND THE METER STOP. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
 2. SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY; SADDLE McDONALD 3801 OR EQUIVALENT.
 3. METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (SIP MODEL 4240 OR APPROVED EQUIVALENT)

SINGLE SERVICE CONNECTION

TYPICAL WATER SERVICE CONNECTION FOR RESIDENTIAL SINGLE FAMILY HOME ON CFPWA WATER SYSTEM
 NOT TO SCALE

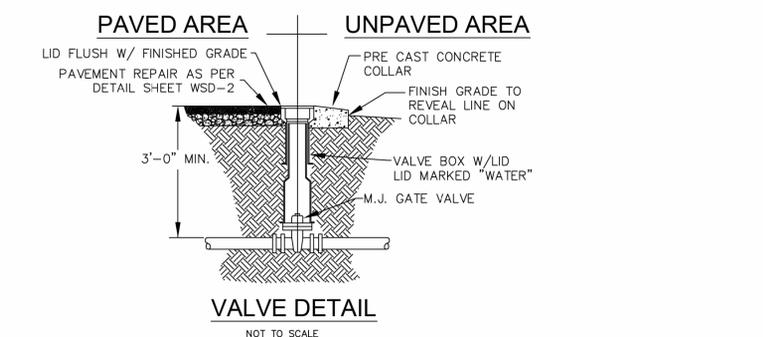


DOUBLE SERVICE CONNECTION
 (ONE DOMESTIC SERVICE PER TAP)
 NOT TO SCALE



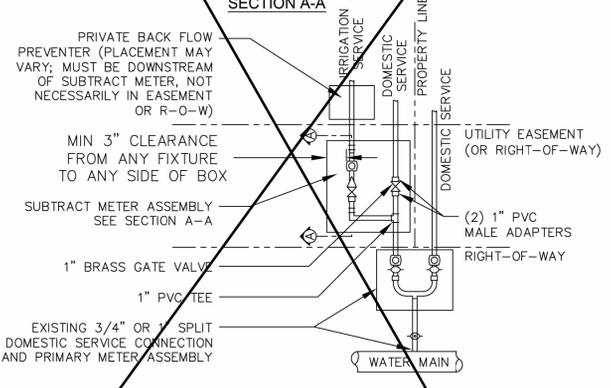
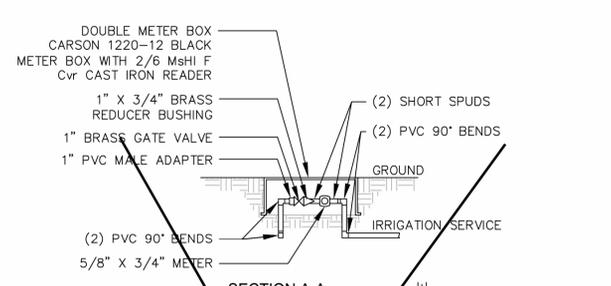
2" BLOW-OFF

NOT TO SCALE



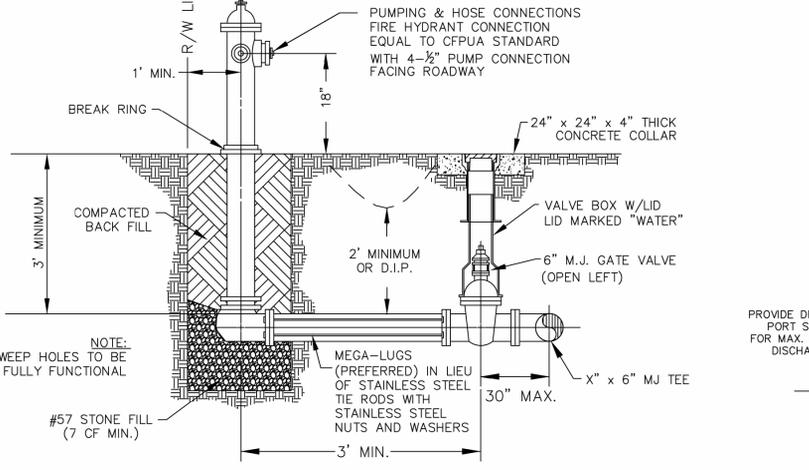
VALVE DETAIL

NOT TO SCALE



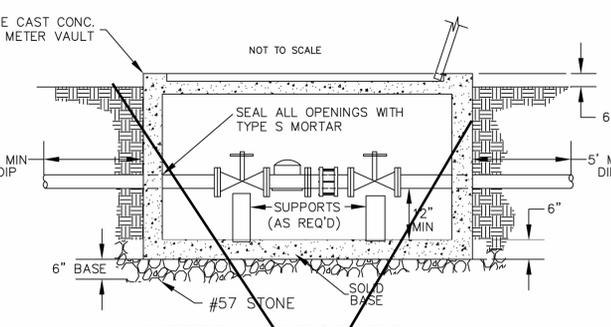
NOTES:
 -BEYOND THE PRIMARY DOMESTIC METER ASSEMBLY, CFPWA IS ONLY RESPONSIBLE FOR METER AND WASHERS OF SUBTRACT METER ASSEMBLY
 -ALL PIPE AND FITTINGS UP TO FINAL SERVICE LINE TO BE 1" EXCLUDING METERS

DOUBLE SERVICE CONNECTION USING SUBTRACT METER
 (MULTIPLE DOMESTIC SERVICES PER TAP)
 NOT TO SCALE

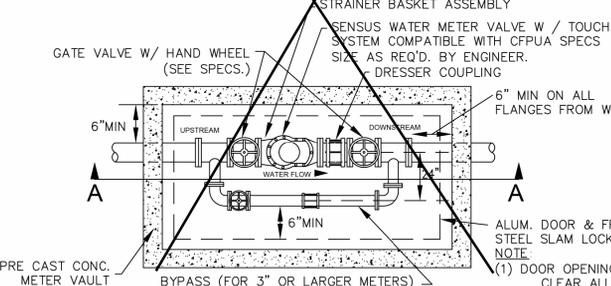


FIRE HYDRANT ASSEMBLY

NOT TO SCALE

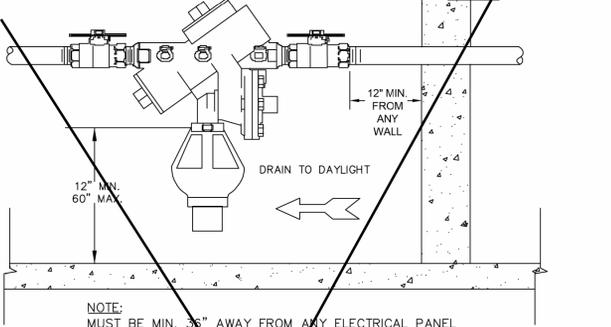


METER VAULT SECTION A-A

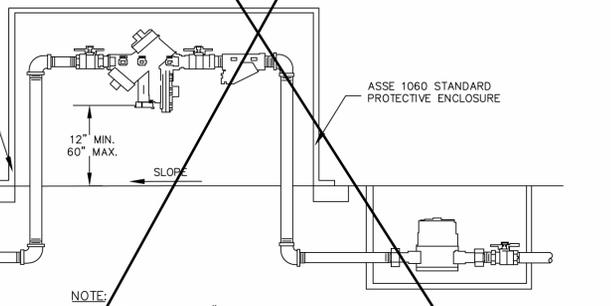


WATER METER VAULT
 FOR WATER METERS LARGER THAN 2"

NOTES:
 (1) DOOR OPENING MUST CLEAR ALL COMPONENTS.
 (2) MUST MEET H20 LOADING REQ. IF IN TRAFFIC AREA.



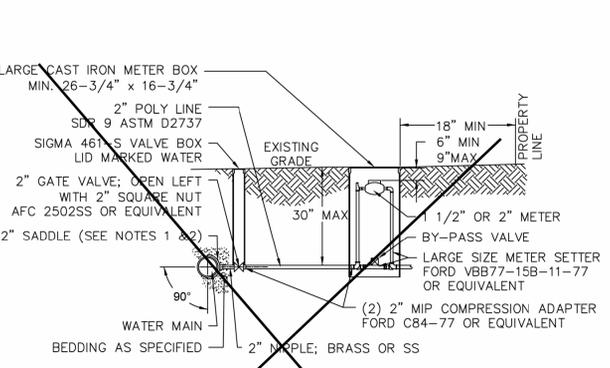
INDOOR HORIZONTAL INSTALLATION



INDOOR HORIZONTAL INSTALLATION

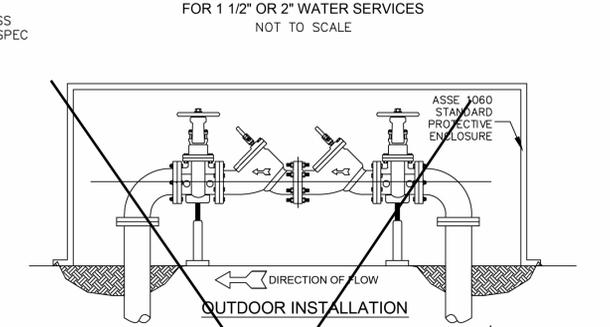
REDUCED PRESSURE PRINCIPLE ASSEMBLY

NOT TO SCALE

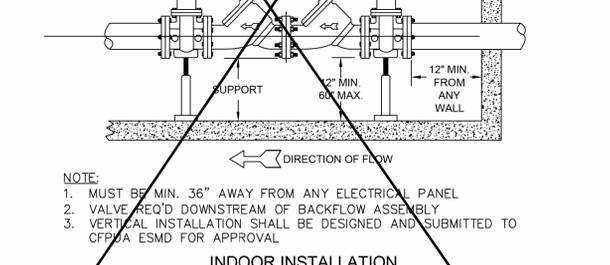


LARGE METER
 FOR 1 1/2" OR 2" WATER SERVICES
 NOT TO SCALE

NOTES:
 1. ALL SERVICES SHALL BE INSTALLED PERPENDICULAR TO MAIN.
 2. SERVICE SADDLES ON PVC MAINS SHALL BE WIDE BAND BRASS BODY; McDONALD 3800, FORD S90 (DOUBLE STRAP) OR EQUIVALENT.
 3. METER BOXES SUSCEPTIBLE TO TRAFFIC SHALL CONFORM TO ASTM A48, CLASS 30B AND AASHTO H20 LOAD RATING STANDARDS (OLDCASTLE PRECAST MODEL B1730 OR APPROVED EQUIVALENT).
 4. METER BOXES SUSCEPTIBLE TO INCIDENTAL, NON-DELIBERATE TRAFFIC SHALL CONFORM TO ANSI/SCTE 77 TIEK 15 LOAD RATING STANDARDS (SYNERTECH MODEL DUO 17x30 OR APPROVED EQUIVALENT).
 5. NON-TRAFFIC METER BOXES SHALL BE SIGMA MB2203 OR APPROVED EQUIVALENT.
 6. 3" CLEAN FILL REQUIRED ALL AROUND 2" POLY SERVICE LINE.



OUTDOOR INSTALLATION



INDOOR INSTALLATION

DOUBLE CHECK VALVE ASSEMBLY

NOT TO SCALE

GENERAL NOTES:
 1. NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE-WAY.
 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE ANY CONSTRUCTION BEGINS.
 3. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
 4. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS.
 5. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN & STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

THE DETAILS SHOWN HEREON SUPERCEDE CFPWA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04

FINAL DESIGN
 NOT RELEASED FOR
 CONSTRUCTION

REV:	DESCRIPTION:	DATE:
1	Single Service Connection, Double Service Connection, and Large Meter Revised	10/26/12

PROJECT: BELLE MEADE VILLAGE 4635 CAROLINA BEACH ROAD WILMINGTON, NC 28412	DEVELOPER: SHP BELLEMEADE, LLC 1442 MILITARY CUTOFF ROAD WILMINGTON, NC 28403 (919) 509-1781	ENGINEER: STROUD ENGINEERING, P.A. 102-D CINEMA DRIVE WILMINGTON, NC 28403 (910) 815-0775
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CFPUA WATER DISTRIBUTION SYSTEM

STANDARD DETAILS

CAPE FEAR PUBLIC UTILITY AUTHORITY
 235 GOVERNMENT CENTER DRIVE
 WILMINGTON, NC 28403
 OFFICE: (910)332-6560

DATE: 1/9/12
 SCALE: N/A
 DRAWN BY: CFPWA
 CHECKED BY: CFPWA
 PROJECT NO.:

SHEET NO:
 WSD-1

