

OWNERS NAME
VALVE TYPE (SEE CHART BELOW FOR VALVE TYPE)
VALVE SIZE
POMPA NO. BEACH
XXXXXXXXXXXXXXX
24", PV, 1977
WATER
N.O., COW 34
N.O.=NORMALLY OPEN
N.C.=NORMALLY CLOSED
VALVE-MANUFACTURER
YEAR VALVE MANUFACTURED
TYPE OF USE
DIRECT AND NUMBER OF TURNS TO OPEN
COW=COUNTERCLOCKWISE
CW=CLOCKWISE
3"
SOLID BRONZE DISC (85-5.5-5) BRONZE
FINISHED GRADE
DISC TO BE FLUSH WITH EXIST. SIDEWALK OR PAVEMENT.
1 1/4"
1 1/2"
3/8" BRASS ANCHOR PIN FOR CONCRETE EMBEDMENT INSTALLATION
VALVE TYPES:
BALL VALVE---BALLV
RESILIENT WEDGE GATE VALVE---RWGV
BUTTERFLY VALVE---BV
PLUG VALVE---PV
NOTES:
1. VALVE INFORMATION TO BE TRIPLE ENGRAVED INTO TOP SURFACE WITH 1/4" CAPITAL LETTERS.
2. ENTIRE MARKER TO BE COATED WITH CLEAR EPOXY TO PREVENT TARNISHING.
3. VALVE INFORMATION TO BE APPROVED BY CITY OF POMPA NO BEACH UTILITIES DEPARTMENT.
4. MARKERS SHALL BE MANUFACTURED BY RG WRENCH, OR APPROVED EQUAL.
UNDERGROUND VALVE IDENTIFICATION MARKER
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
S.S. JUNE 2005
T.W. 11-2007
T.W. 02-2008
S.S. 1-24-12
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: FEB. 1998
DWG. NO.
115-1

FLUSH WITH GRADE
CAST IRON VALVE BOX LID (SEE SPECIFICATIONS)
6" MIN. 12" MAX.
ADJUSTABLE SCREW TYPE C.I. VALVE BOX UPPER SECTIONS
SNAP ON LOCKING EXTENSION ROD W/2" OPERATING NUT TO 12" MIN. 18" MAX. BELOW GRADE IF VALVE OPERATING NUT IS OVER 3'-0" DEEP.
CAST IRON VALVE BOX LOWER SECTION CENTERED OVER OPERATING NUT.
VALVE SIZE AND ENDS AS SPECIFIED
GATE OR PLUG VALVE SETTING
USE MEGALUGS AT ALL PIPE JOINTS
ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
S.S. 04-2005
T.W. 11-2007
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: JUNE 1996
DWG. NO.
103-1

3/4" CHAMFER ALL AROUND
ADAPTOR (TYP.)
PIPING MATERIAL FROM METER
AS REQ. FOR EQUIPMENT
FINISHED GRADE
TO SERVICE
4" THICK x 2' WIDTH CONC. PAD (WITH PIPE 2 1/2" OR LARGER) BY OWNER OR CONTRACTOR
3'-0" MIN.
BACKFLOW PREVENTER
USE MEGALUGS AT ALL PIPE JOINTS 3" AND LARGER
PLEASE SEE METER INSTALL DIMENSION LIST ON STANDARD NO. 106-4
SMALL UNITS UNI-STRUT SUPPORT
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 04-2008
S.S. 03-2009
S.S. 11-2012
S.S. 01-2013
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: JUNE 1996
DWG. NO.
106-1

2" x 1" PICK HOLE (1X)
SEWER
SKID RESISTANT SURFACE
11 1/2"
18 1/2"
TOP VIEW
18 1/2"
1 3/4"
SECTION
NOTE
1. MATERIAL: FIBERGLASS REINFORCED POLYMER CONCRETE & FIBERGLASS REINFORCED POLYMER
2. COLOR: GREEN
3. LOAD RATING: A8 (ASTM C857)
4. LOGO: SEWER
SEWER BOX AND COVER
PRODUCT RATING - TRAFFIC
LOAD DESIGNATION DESCRIPTION DESIGN LOADS TESTING
LIVE LB/WHEEL (2) LIVE + IMPACT LB/WHEEL SIDE PSF (3) LOAD,LBS SAFETY FACTOR
AASHTO H15 MEDIUM TRUCK TRAFFIC 12,000 15,600 N/A 27,000 (5) 2.25
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 04-2008
S.S. 03-2009
S.S. 11-2012
S.S. 01-2013
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: AUGUST 2007
DWG. NO.
210-2

FIRE METERS - OS & Y VALVES, GASKETS, SPOOL & METER
(NEPTUNE HP FIRE SERVICE TURBINE METER)
MIN. TRAVEL
SIZE VALVES (2) GASKETS (4) METER TOTAL LENGTH
3" 16" 1/2" 26 1/8" 42 5/8"
4" 18" 1/2" 35" 53 1/2"
6" 21" 1/2" 44 7/8" 66 3/8"
8" 23" 1/2" 51 5/16" 74 13/16"
10" 26" 1/2" 56" 82 1/2"
FIRE SERVICE METERS - TEES, OS & Y VALVES, GASKETS & METERS
(HP PROTECTUS III FIRE SERVICE METER)
SIZE TEES (2) VALVES (2) GASKETS (6) METER TOTAL LENGTH
4" X 1" 4" X 3" - 26" 18" 3/4" 33" 77 3/4"
6" X 1 1/2" 6" X 4" - 32" 21" 3/4" 45" 98 3/4"
8" X 2" 8" X 4" - 36" 23" 3/4" 53" 112 3/4"
10" X 2" 10" X 6" - 44" 26" 3/4" 68" 138 3/4"
COMPOUND METERS - STRAINER, TEE, OS & Y VALVES, GASKETS & METERS
(NEPTUNE TRUIFLOW COMPOUND METER)
SIZE STRAINER TEES (2) VALVES (2) GASKETS METER TOTAL LENGTH
3" 6" 3" X 3" - 22" 16" 3/4" 17" 61 3/4"
4" 7 1/2" 4" X 4" - 26" 18" 3/4" 20" 72 1/4"
6" 9" 6" X 4" - 32" 21" 3/4" 24" 86 1/4"
8" X 8" 10" 8" X 4" - 36" 23" 3/4" 55 3/8" 125 1/8"
NOTE
PLEASE NOTE THAT WATER METERS 3" AND LARGER ARE SUBJECT TO AN APPROXIMATE ORDER LEAD TIME OF 90 TO 75 DAYS AFTER FULL PAYMENT. PLEASE CONTACT CUSTOMER SERVICE AT 954-786-4637 TO ARRANGE FOR METER PROCUREMENT AND INSTALLATION.
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 02-2008
S.S. 12-2013
S.S. 11-2016
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: FEB. 2008
DWG. NO.
106-4

6" MIN. COVERAGE
TYP. MECHANICAL EQUIP.
CONCRETE SLAB
PROPOSED SHRUB/OR APPROVED OPAQUE SCREENING
PLAN
ELEVATION
TYPICAL SCREEN FOR UTILITIES
NOTES
PLEASE NOTE THAT AS PER CITY ORDINANCE(S) 50.02(A) (4) AND 100.35(E), STREET TREES SHALL NOT BE PLACED ON TOP OF OR 5' OF EITHER SIDE OF ANY CITY OWNED UTILITY INFRASTRUCTURE. ALSO, PLEASE NOTE THAT NO TREES SHRUBBERY OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY OWNED LATERAL CLEANOUT OR WATER & OR REUSE METER.
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 04-2008
S.S. 03-2009
S.S. 11-2012
S.S. 01-2013
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: APRIL 2010
DWG. NO.
315-1

EDGE OF R/W LOCATION VARIES
R/W R/W
VARIES
PAVED STREET
5' MIN. 5' MIN.
WATER, STORM, SEWER OR REUSE LINES/APURTENANCES
TREE LOCATIONS REQUIRED IN PUBLIC R/W ON UTILITY EASEMENTS
NOTES
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ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 04-2008
S.S. 03-2009
S.S. 11-2012
S.S. 01-2013
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: 2016
DWG. NO.
316-1

WATER & SEWER DETAILS 2/2
NEW MULTIFAMILY BUILDING (8 UNITS)
BRANESP REALTY VENTURES LLC
DRAWING NAME :
PROJECT :
PREPARED FOR :
DESIGNED : MARVIN ABARCA
DRAWN : JHOSMARE BELMONTE
SCALE : INDICATED
SHEET : 4
OF 4 SHEETS
DATE : 06-22-20
PROJ. :
ENGINEERING STANDARDS 2019
REVISIONS
BY DATE
T.W. 04-2008
S.S. 03-2009
S.S. 11-2012
S.S. 01-2013
ENGINEERING DIVISION
CITY OF POMPA NO BEACH
SCALE: N.T.S.
DATE: APRIL 2010
DWG. NO.
315-1

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REVISIONS
REV 1 11-25-20
CITY COMMENTS
AB ENGINEERS, INC.
ENGINEERING PLANNING INSPECTIONS
15315 NW 60 Ave Suite C, MIAMI LAKES FL 33014
PHONE: (786) 452 7313
marvin@abengineers.net
MARVIN J. ABARCA
LICENSE
NO. 49529
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DN: c=US, o=AB ENGINEERS INC, ou=A01410C00000170D443842 10000E58E, cn=MARVIN ABARCA Date: 2021.02.12 15:05:42 -05'00'
MARVIN J. ABARCA
P.E. No. 49529
2-12-2021