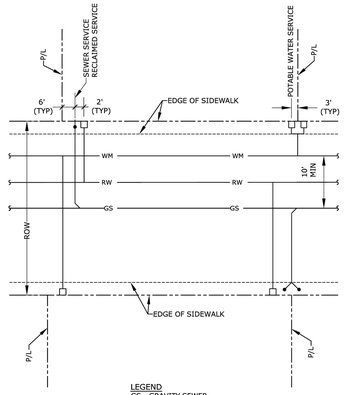
DRC
PZ25-12000013
12/03/2025

Plotted By:Bangelman, Alex Sheet Set:2690 WEST SAMPLE ROAD Layout:C4.10 WATER DETAILS September 15, 2025 05:53:34pm K:\ftl_civil\143 Jobs\143600001 2690 west sample road civil eng\Design\CADD\Plansheets\C410 WATER DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL




LEGEND
GS - GRAVITY SEWER
RW - RECLAIMED WATER
WM - POTABLE WATER MAIN

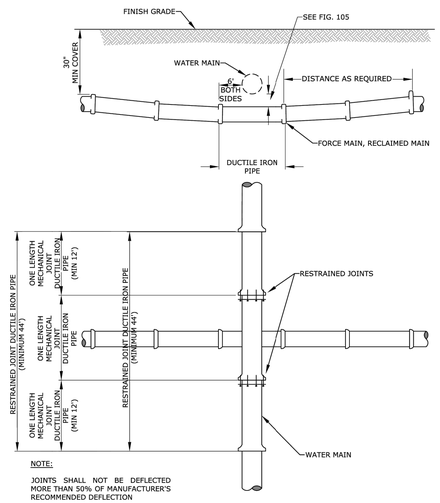
NOTE: LOCATION OF SERVICES CAN BE MODIFIED WITH WWS APPROVAL.

| REVISED | UTILITY LOCATIONS | FIGURE 104 |
|---|---|---|
| 7/7/2021 | | |

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL



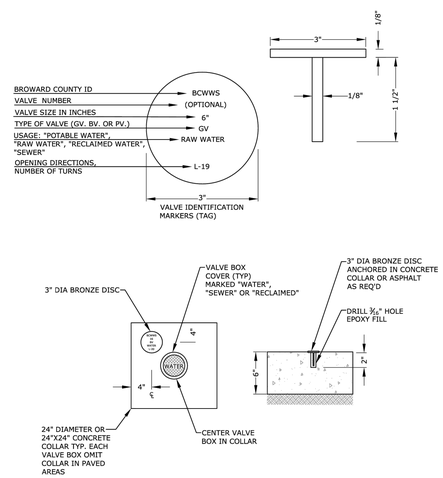

NOTE:
JOINTS SHALL NOT BE DEFLECTED MORE THAN 50% OF MANUFACTURER'S RECOMMENDED DEFLECTION

| REVISED | STANDARD UTILITY CROSSING | FIGURE 106 |
|---|---|---|
| 7/7/2021 | | |

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL

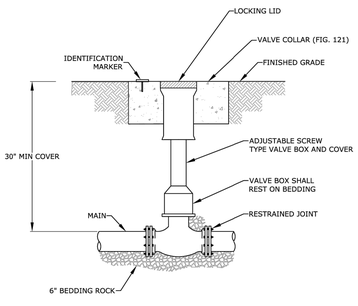



| REVISED | VALVE COLLAR AND IDENTIFICATION MARKER | FIGURE 121 |
|---|---|---|
| 7/7/2021 | | |

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL



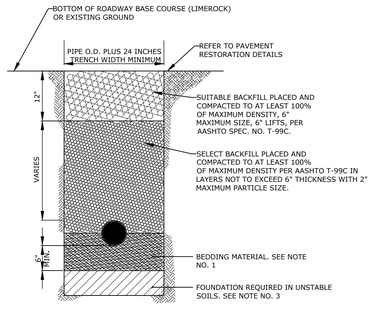

1. WHEN VALVE IS NOT LOCATED IN PAVEMENT, PLACE A WHITE REFLECTIVE RAISED PAVEMENT MARKER IN THE DRIVE LANE, ADJACENT TO THE VALVE.
2. OPERATOR EXTENSION SHAFT SHALL BE PROVIDED WHEN OPERATING NUT IS MORE THAN 24" BELOW TOP OF VALVE BOX.
3. PVC PIPE OR DUCTILE IRON PIPE IS NOT ACCEPTABLE FOR VALVE BOX RISER.

| REVISED | VALVE BOX DETAIL | FIGURE 123 |
|---|---|---|
| 7/7/2021 | | |

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL



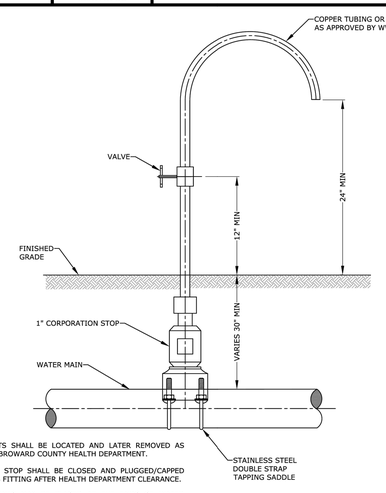

NOTES:
1. UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAXIMUM PARTICLE SIZE, COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER AASHTO SPEC. NO. T-99C.
2. WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER ORGANIC SOILS, ELASTIC SILT AND CLAYS, A FOUNDATION IS REQUIRED AS DETERMINED BY THE ENGINEER OF RECORD.

| REPLACES FORMER DWG NO.180 | TYPICAL TRENCH BACKFILL | FIGURE 180 |
|---|---|---|
| REVISED 5/14/2018 | | |

**BROWARD COUNTY**
PUBLIC WORKS DEPARTMENT

WATER & WASTEWATER SERVICES
ENGINEERING DIVISION
2555 WEST COPANS ROAD
POMPANO BEACH, FL 33069
PHONE NO. 954-831-0745
FAX: 954-831-0925

STANDARD DETAIL




NOTES:
1. SAMPLE POINTS SHALL BE LOCATED AND LATER REMOVED AS REQUIRED BY BROWARD COUNTY HEALTH DEPARTMENT.
2. CORPORATION STOP SHALL BE CLOSED AND PLUGGED/CAPPED WITH A BRASS FITTING AFTER HEALTH DEPARTMENT CLEARANCE.
3. SAMPLING POINTS MAY BE PLACED AT THE ENDS OF WATER SERVICES BEFORE THE METERS AND ON BLOW OFFS FOR TERMINAL WATER MAINS, WHERE SERVICES AND BLOW OFFS ARE REQUIRED BY THE PLANS.

| REVISED | SAMPLING POINT | FIGURE 206 |
|---|---|---|
| 7/7/2021 | | |

George Balaban
Digitally signed by George Balaban
Date: 2025.09.16 09:08:52 -04'00'

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GEORGE BALABAN, P.E. ON THE DATE ADJACENT TO THE SEAL.

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE BASED ON THE NAVD 88. TO CONVERT THE ELEVATION HEREON TO NGVD 29 ADD 1.51 FEET.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

| No. | REVISIONS | DATE | BY |
|---|---|---|---|

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324
PHONE: 954-535-5100 FAX: 954-739-2247
WWW.KIMLEY-HORN.COM REGISTRY No. 696

STATE OF FLORIDA
No 74543
PROFESSIONAL ENGINEER
GEORGE BALABAN
LICENSE

KHA PROJECT 143600001
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY MB
DRAWN BY MB
CHECKED BY GB

# WATER DETAILS

2690 WEST SAMPLE ROAD
PREPARED FOR
NATIONAL EXPRESS WASH LLC

CITY OF POMPANO BEACH FLORIDA

SHEET NUMBER
C4.10