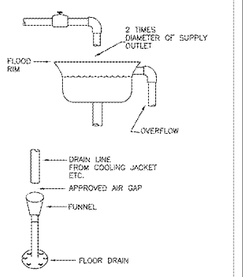
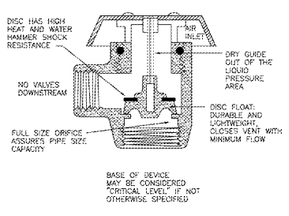
AG-AIR-GAP

- GOOD FOR TOXIC AND NON-TOXIC SUBSTANCES
- GOOD AGAINST BACKPRESSURE AND BACKSIPHONAGE
- A VERTICAL DISTANCE OF 2-TIMES THE DIAMETER OF SUPPLY PIPE, NEVER LESS THAN A 1" GAP ABOVE FLOOD RIM
- BEST PROTECTION AGAINST BACKFLOW PROVIDED IT IS INSTALLED PROPERLY AND NOT CIRCUMVENTED
- ANSI STANDARD NO. A112.1.2
- REPRESENTS EASIEST METHOD OR SITUATION SUBJECT TO MODIFICATION TO A CROSS CONNECTION



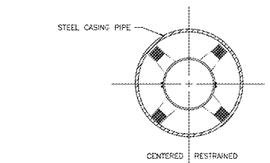
AVB ATMOSPHERIC VACUUM BREAKER

- GOOD FOR MOST TOXIC AND ALL NON-TOXIC SUBSTANCES
- GOOD FOR BACKSIPHONAGE ONLY
- NO CONTROL VALVES ON DISCHARGE SIDE OF DEVICE.
- MINIMUM OF 6" BETWEEN BASE OF DEVICE AND THE HIGHEST OUTLET
- NO MORE THAN 12 HOURS CONTINUOUS SERVICE IN A DAY
- SIZES AVAILABLE: 1/4" - 3"
- ASSE STANDARD NO. 1001
- NOT SUITABLE FOR CONTAINMENT



DUE TO THE INABILITY TO TEST ATMOSPHERIC VACUUM BREAKERS AND THE EASE IN WHICH AIR-GAPS MAY BE CIRCUMVENTED, THESE TWO FORMS OF PROTECTION ARE USUALLY AUGMENTED BY ADDITIONAL AREA OR PREMISES ISOLATION. THIS TYPE OF DEVICE IS ONLY APPROVED FOR USE IN THOSE SITUATIONS AS DESCRIBED IN SECTION 9, AND AS APPROVED BY THE UTILITIES MANAGER.

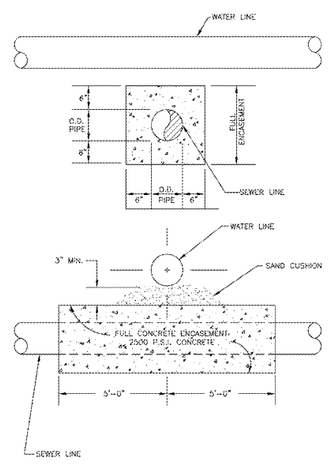
SEM. OCT 2012
101



NOTES:
1. CASING TO EXTEND 6' MIN. EACH SIDE OF PAVEMENT.
2. CARRIER PIPE SHALL BE RESTRAINED JOINT PIPE UNLESS OTHERWISE WAIVED BY THE MANAGER, DEPENDING ON THE LENGTH OF CASING.
3. CASING TO BE SIZED PER REQUIREMENTS OF SECTION 7 OF THE SEMINOLE COUNTY WATER AND SEWER STANDARDS.
4. PLACEMENT OF SPACERS SHALL BE REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.
5. CASING END SEAL AND SPACERS MUST BE FROM A MANUFACTURER LISTED IN APPENDIX D OF THE WATER AND SEWER STANDARDS OR AN APPROVED EQUAL.

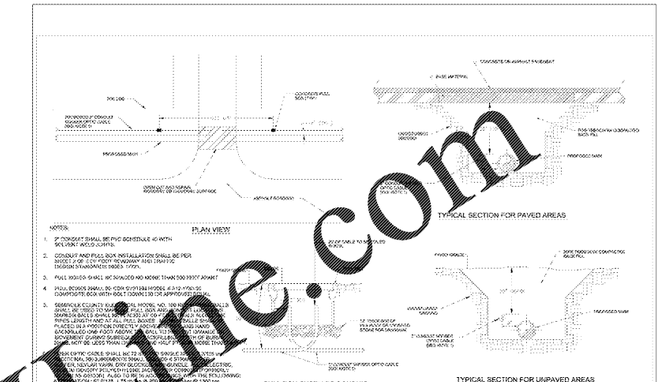
BORE & JACK DETAIL

SEM. CO. OCT 2012
102



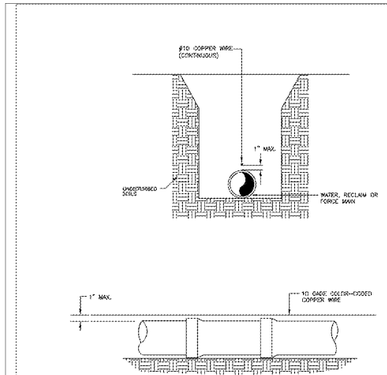
CONCRETE ENCASEMENT

SEM. CO. OCT 2012
103



FIBER OPTIC PULL BOX DETAIL

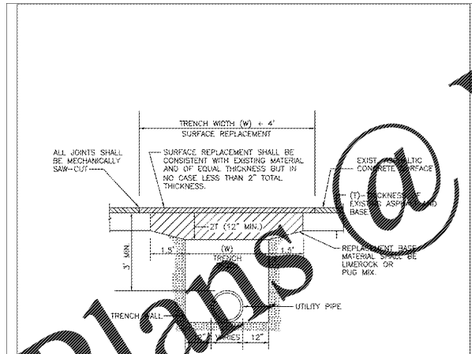
SEM. CO. OCT 2012
104



1. LOCATING WIRE SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
2. LOCATING WIRE SHALL BE CONTINUOUS, INSULATED SOLID CORE METALLIC (10 GAGE COLOR CODED COPPER) SUITABLE FOR DETECTION VIA A CABLE LOCATOR.
3. LOCATING WIRE SHALL TERMINATE AT THE TOP OF EACH VALVE BOX ENCASED IN 3" PVC AND EMBEDDED IN THE CONCRETE COLLAR. (SEE DETAILS C-18A AND C- 18B)
4. LOCATING WIRE IS NOT REQUIRED FOR [illegible]

PIPE LOCATING WIRE

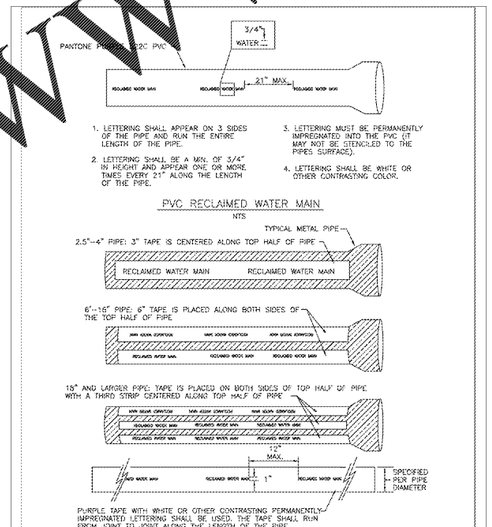
SEM CO OCT 2012
105



NOTES:
1. BACKFILL SHALL BE PLACED IN 6" LAYERS FROM BENEATH THE HAUNCHES OF THE PIPE TO THE BASE AND COMPACTED TO 98% DENSITY PER AASHTO T-180 MODIFIED PROCTER.
2. BASE MATERIALS SHALL BE PLACED IN TWO OR THREE LAYERS ROLLED AND TAMPED TO ABOVE SPECIFIED DENSITY.

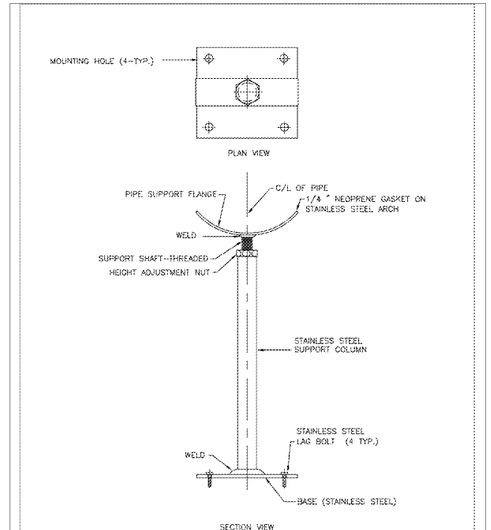
STANDARD ROADWAY OPEN CUT DETAIL

SEM. CO. OCT 2012
106



TYPICAL PIPE IDENTIFICATION
(RECLAIMED WATER SHOWN AS EXAMPLE ONLY)

SEM. CO. OCT 2012
107



PIPE SUPPORT DETAIL

SEM. CO. OCT 2012
108

811 Know what's below. Call before you dig.

Order Plans @ WWW.LDLine.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2020 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM CA 00000696

LICENSED PROFESSIONAL
CHRISTOPHER J. HOLLEN, P.E.
FLORIDA LICENSE NUMBER
74685
DATE:

K+A PROJECT 147654001
DATE 10/22/19
SCALE AS SHOWN
DESIGNED BY DFD
DRAWN BY DFD
CHECKED BY CJH

SEMINOLE COUNTY DETAILS

PUBLIC STORAGE APOPKA
2431 S. ORANGE BLOSSOM TRAIL
FLORIDA
SEMINOLE COUNTY

SHEET NUMBER
C-500

Plotted By:Anderson, Sarah Sheet Set:147654001 - Seminole Public Storage Layout:C-500 SEMINOLE COUNTY DETAILS - 147654001 June 11, 2020 06:28:28pm K:\VRB_LDEV\147654001
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.