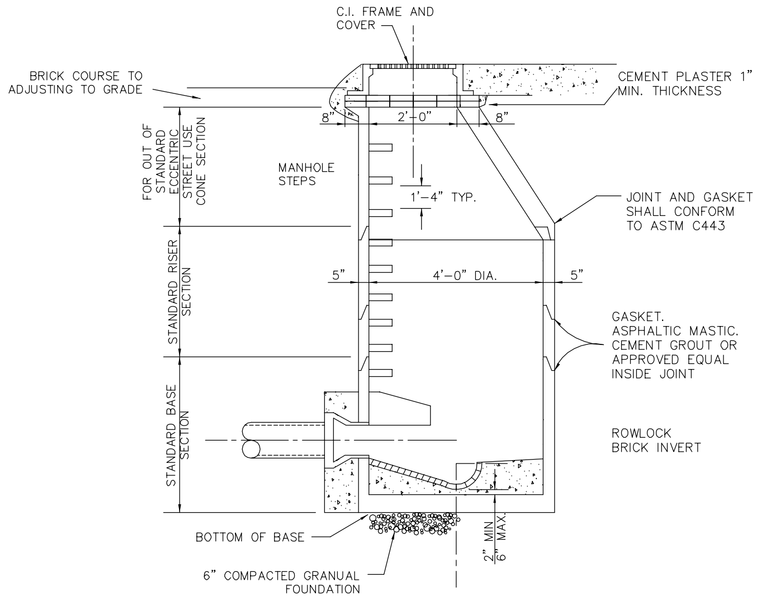


SECTION A

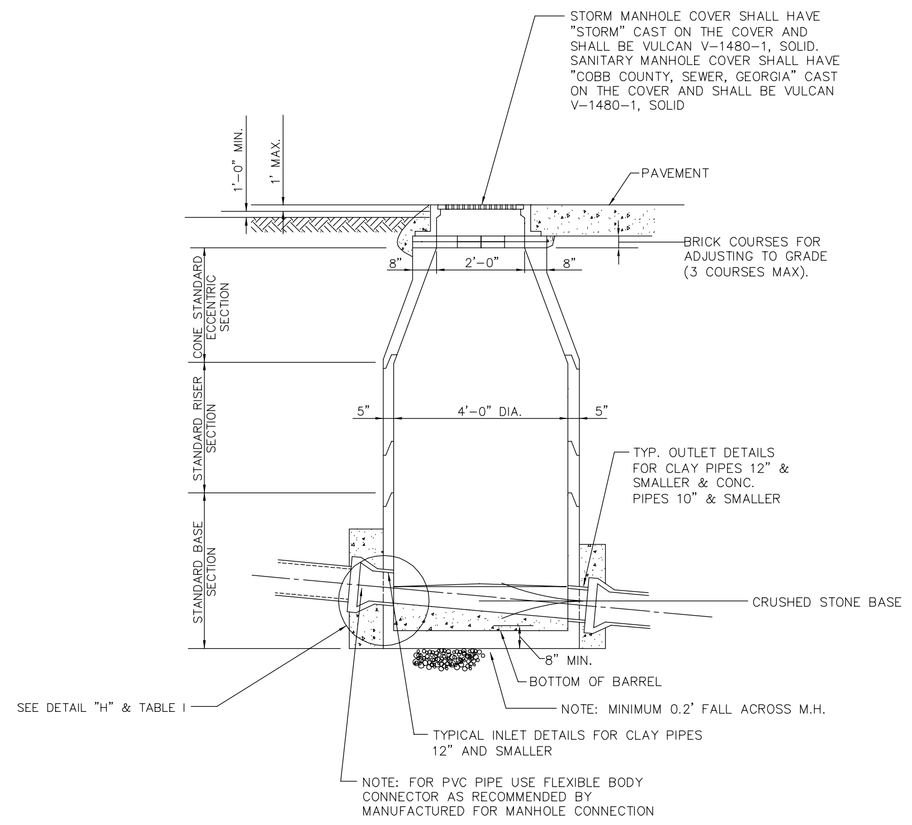
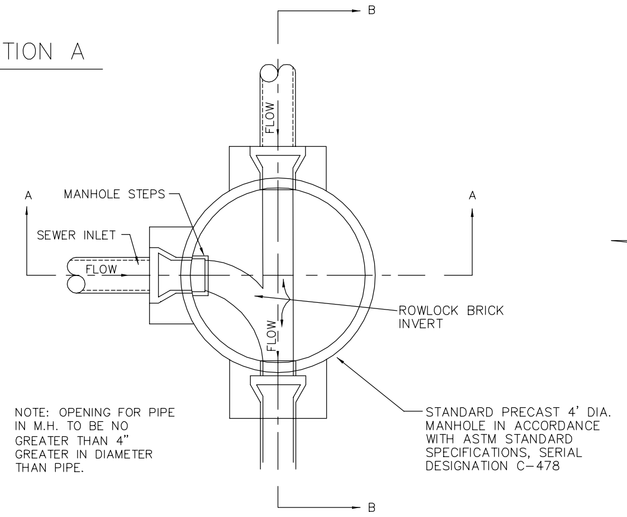
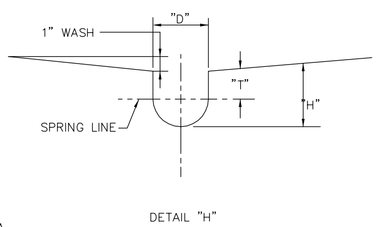


TABLE I		
"D"	"T"	"H"
INSIDE DIA. PIPE	VERTICAL TANGENT	HEIGHT OF WATER TABLE
8"	2-1/2"	6-1/2"
10"	3"	8"
12"	3-1/2"	9-1/2"
15"	4-1/2"	12"
18"	5-1/2"	14-1/2"
21"	6-1/2"	17"
24"	7-1/2"	19-1/2"
27"	8"	21-1/2"
30"	9"	24"
33"	10"	26-1/2"
36"	11"	29"



SECTION B



DETAIL "H"

NOTE: "H" & "T" DIMENSIONS APPLY ONLY AT THE UPSTREAM, INSIDE EDGE OF M.H.

1 C-7 SANITARY MANHOLE
NOT TO SCALE

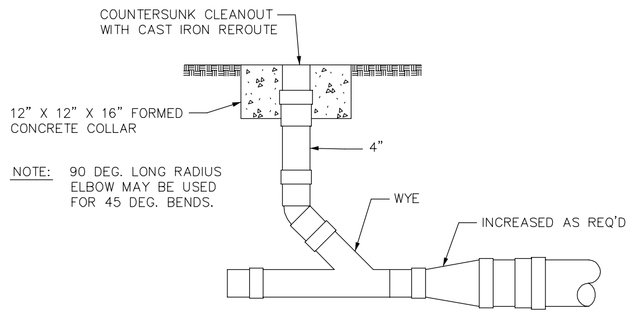
FRAME AND COVER INSTALLATION NOTES

1. COVER TO BE SET FLUSH WITH PAVEMENT AND SHALL MATCH SLOPE OF STREET.

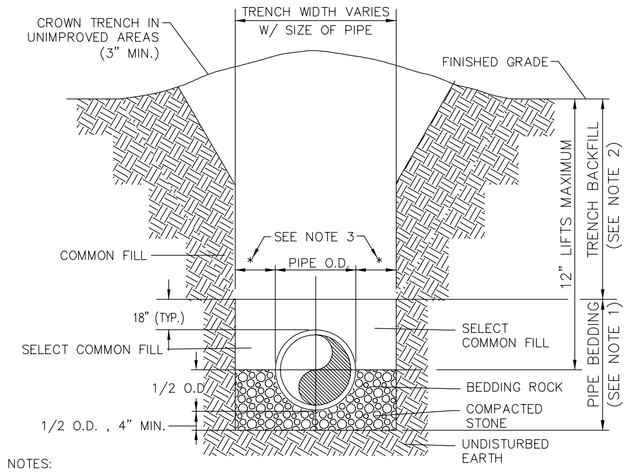
2. ADJUSTMENT OF FRAME AND COVER TO GRADE SHALL BE ACCOMPLISHED WITH A BRICK PRECAST CONCRETE EXCEEDS 12-INCHES. LEVELING RING (ON RING MAX.) OR HEADER COURSE BRICK. IN NO CASE SHALL VERTICAL ADJUSTMENT

3. INSIDE SURFACE OF LEVELING COURSE SHALL BE COATED WITH CEMENT PLASTER (1-1/2" MIN. THICKNESS).

4. FRAME SHALL BE IN CEMENT MORTAR BED (1-1/2" THICKNESS).



2 C-7 CLEANOUT
NOT TO SCALE



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.

3. (*): 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX (12" MIN.)FOR PIPE DIAMETER 24" AND LARGER.

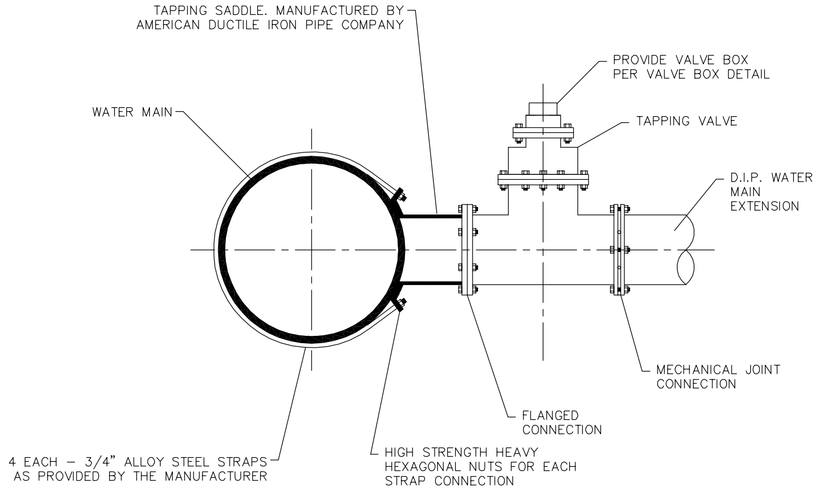
4. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.

5. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.

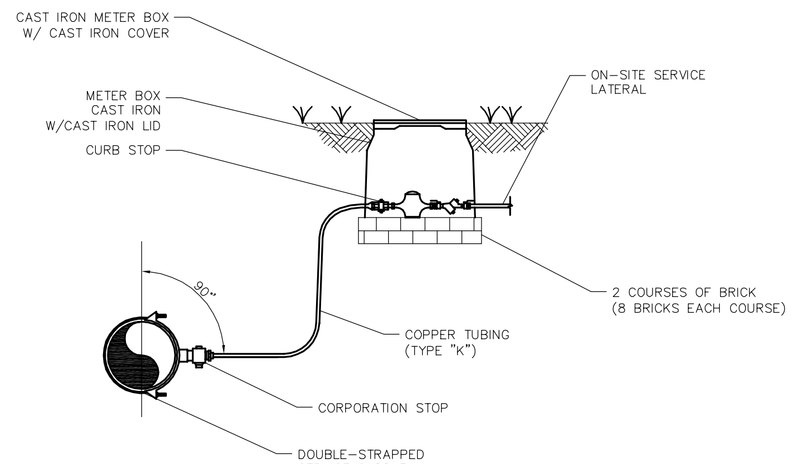
6. REFER TO THE SECTION OF THE ALDOT STANDARDS FOR SHEETING AND BRACING IN EXCAVATIONS.

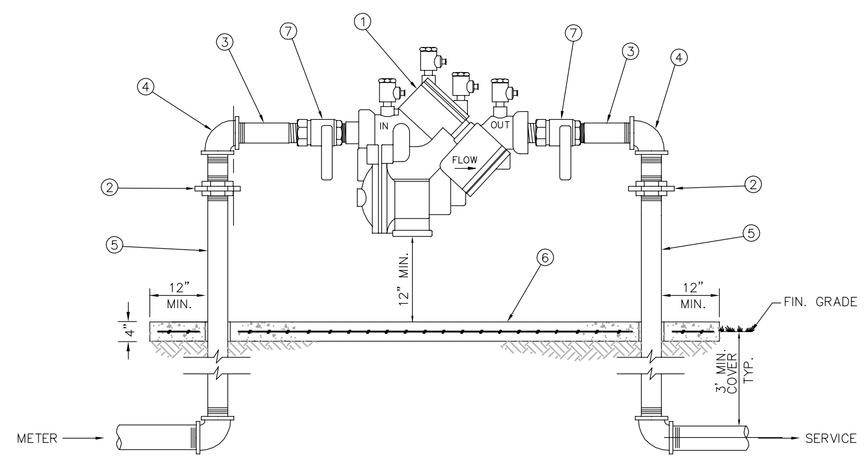
7. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. A CERTIFIED GEOTECHNICAL ENGINEER SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

3 C-7 CLASS B BEDDING AND TRENCHING DETAIL
NOT TO SCALE



4 C-7 WATER MAIN TAPPING SADDLE
NOT TO SCALE





MATERIALS		
ITEM	QUANT.	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	2	UNIONS - GALV.
3	2	NIPPLES - BRASS
4	2	ELBOWS - GALV. 90°
5	2	RISER - GALV.
6	*	CONCRETE SLAB
7	2	BALL VALVES - BRASS OR S.S. (PROVIDED WITH BFP ASS'Y)

NOTE:
- FIELD ADJUST AND CUT ITEM 5 TO THE PROPER LENGTH.
- MINIMUM CLEARANCE OF 24" TO BE MAINTAINED AROUND DEVICE FOR TESTING.
- ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
- CONCRETE SLAB TO EXTEND 12" MIN. AROUND ENTIRE DEVICE.
- DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

* CONTRACTOR SHALL USE A REDUCED PRESSURE ZONE ASSEMBLY. CONTRACTOR SHALL SUBMIT BACKFLOW DETAIL TO JAMES ROGERS AT SANTA ROSA COUNTY FOR APPROVAL BEFORE STARTING CONSTRUCTION. (850) 981-7021

3 C-7 WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER
NOT TO SCALE

PROJECT:
FAMILY DOLLAR

PROJECT# 401701

ADDRESS:
6384 HWY 87 N
MILTON, SANTA ROSA COUNTY, FLORIDA

DEVELOPER:
Boos Development Group, Inc.
BOOS DEVELOPMENT GROUP, INC.
2651 McCORMICK DRIVE
CLEARWATER, FL 33759
TEL (727) 669-2900

CONTACT: LORA PERSSON

ENGINEER:
foresite group
Foresite Group, Inc.
5185 Peachtree Pkwy
Suite 240
Norcross, GA 30092

o 1 770.368.1399
f 1 770.368.1944

www.foresitegroupinc.com

SEAL:
W. BRANT ADEN LICENSE No. 62242 STATE OF FLORIDA PROFESSIONAL ENGINEER
2.19.2010
C.A. 26115

REVISIONS	DATE
PER FAMILY DOLLAR	10/26/09
FDOT COMMENTS	11/17/09
CITY COMMENTS	11/23/09
NWFWMD COMMENTS	01/28/10
BID SET	02/19/10

PROJECT MANAGER:	BLH
DRAWING BY:	JAM
JURISDICTION:	SANTA ROSA COUNTY, FL
DATE:	05/27/09
TITLE:	

UTILITY DETAILS

SHEET NUMBER: C-7

SCALE: NOT TO SCALE

JOB/FILE NUMBER: 163.017