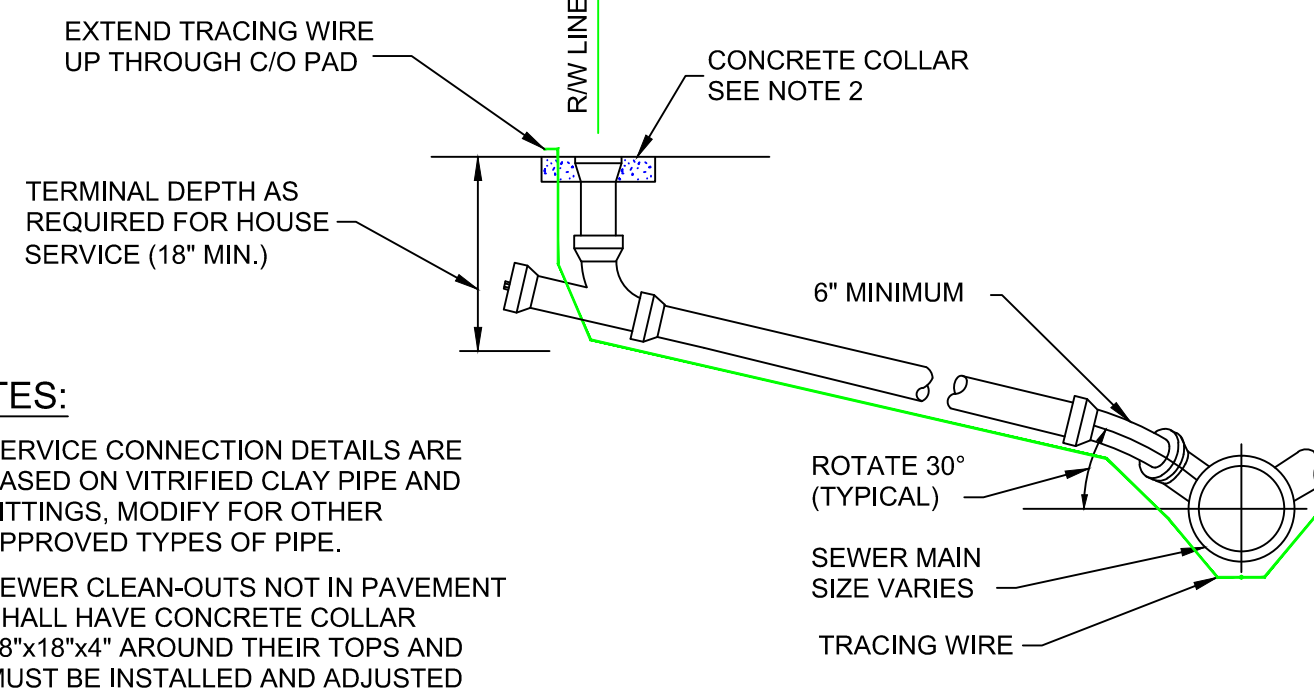


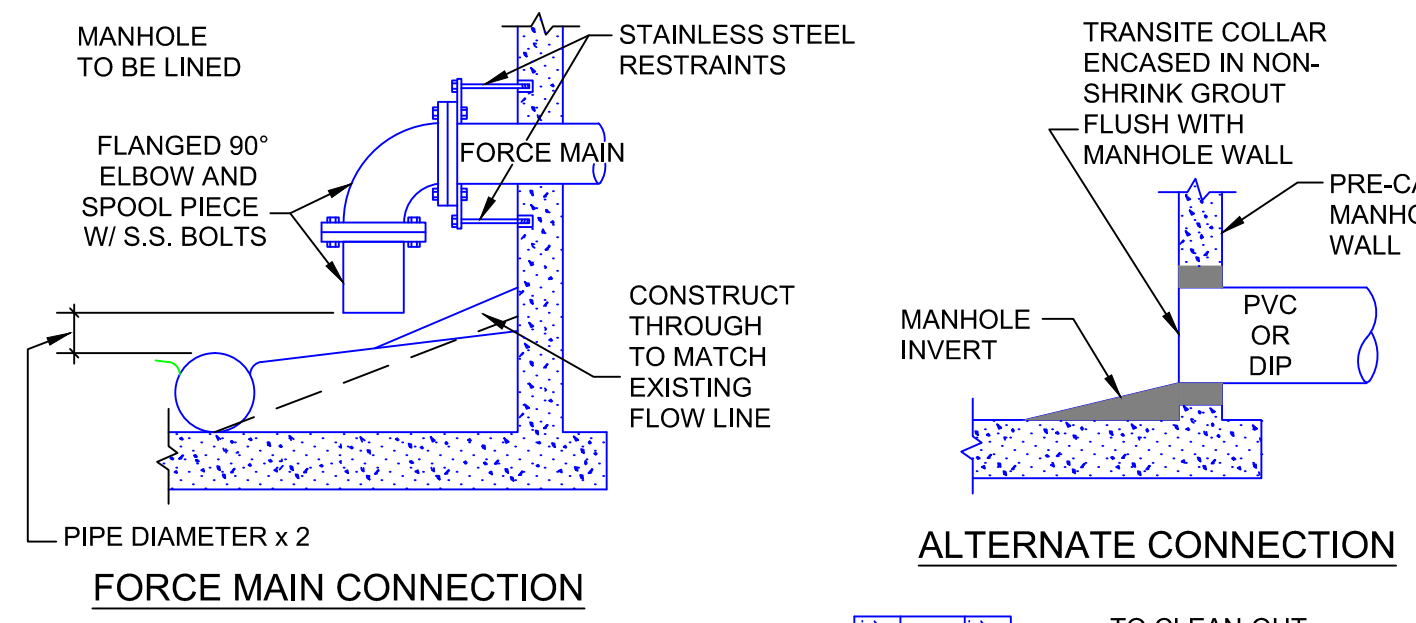
PLAN



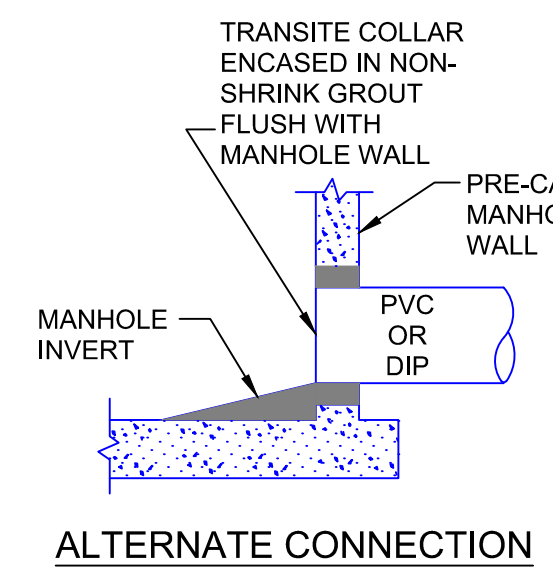
PROFILE

- NOTES:**
- SERVICE CONNECTION DETAILS ARE BASED ON VITRIFIED CLAY PIPE AND FITTINGS, MODIFY FOR OTHER APPROVED TYPES OF PIPE.
 - SEWER CLEAN-OUTS NOT IN PAVEMENT SHALL HAVE CONCRETE COLLAR 18"x18"x4" AROUND THEIR TOPS AND MUST BE INSTALLED AND ADJUSTED TO FINISHED GRADE AT THE RIGHT-OF-WAY/PROPERTY LINE
 - ALL PVC TO CLAY SERVICE CONNECTIONS UNDER LOAD BEARING SURFACES SHALL USE DFW NON-SHEAR FERRO TYPE CONNECTORS OR APPROVED EQUAL.

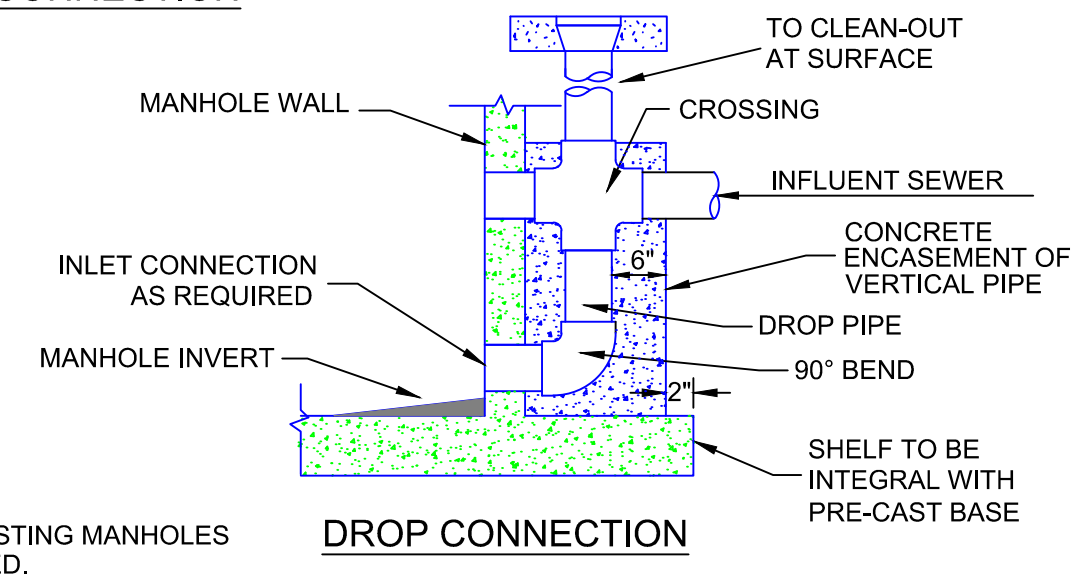
TYPICAL SEWER CONNECTION
SS002-2



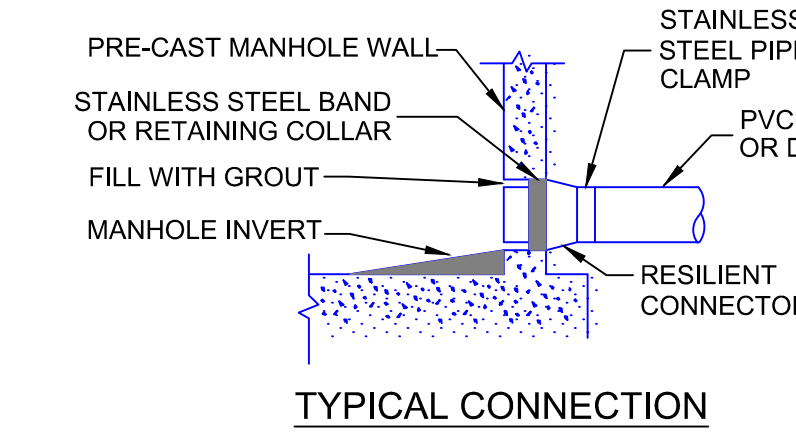
FORCE MAIN CONNECTION



ALTERNATE CONNECTION



DROP CONNECTION



TYPICAL CONNECTION

- NOTES:**
- PENETRATION TO EXISTING MANHOLES SHALL BE CORE BORED.
 - DROP CONNECTION SHALL BE REQUIRED WHENEVER AN INFLUENT SEWER IS LOCATED TWO FEET OR MORE ABOVE THE MAIN INVERT CHANNEL.
 - ANY MANHOLE WITH PIPES ENTERING AT 45° OR GREATER TO THE FLOW LINE EXTENDED AND/OR WITH A DROP EQUAL TO OR GREATER THAN THE SMALLEST ENTERING PIPE DIAMETER SHALL BE LINED.
 - ANY MANHOLE DIRECTLY RECEIVING A FORCE MAIN MUST BE LINED.
 - LINING SPECIFICATIONS ARE PROVIDED IN THE COATING SECTION OF THE CITY'S APPROVED PRODUCTS LIST.

TYPICAL MANHOLE CONNECTIONS
SS004-1

CITY OF ALTAMONTE SPRINGS GREASE TRAP SIZING METHOD
 $(D) \times (MF) \times (GL) \times (RT) \times (ST) = \text{CAPACITY IN GALLONS}$
D = NUMBER OF SEATS:

MF = MEAL FACTOR: BASED ON ESTABLISHMENT

TYPE AND TIME PER MEAL:

FAST FOOD / CAFETERIA	= 30M	use 2.00
RESTAURANT	= 60M	use 1.00
LEISURE DINING	= 90M	use 0.67
DINNER CLUB	= 120M	use 0.50

GL = GALLONS OF WASTEWATER PER MEAL:

WITH DISHWASHER	= 6 GALLONS
WITHOUT DISHWASHER	= 5 GALLONS
SINGLE SERVICE KITCHEN	= 2 GALLONS
FOOD DISPENSER	= 1 GALLON

RT = RETENTION TIME:

COMMERCIAL KITCHEN	= 2.5 HOURS
SINGLE SERVICE KITCHEN	= 1.5 HOURS

ST = STORAGE FACTOR:

8 HOURS	= 1.0
12 HOURS	= 1.5 (ALSO S.S. KITCHENS)
16 HOURS	= 2.0
24 HOURS	= 3.0

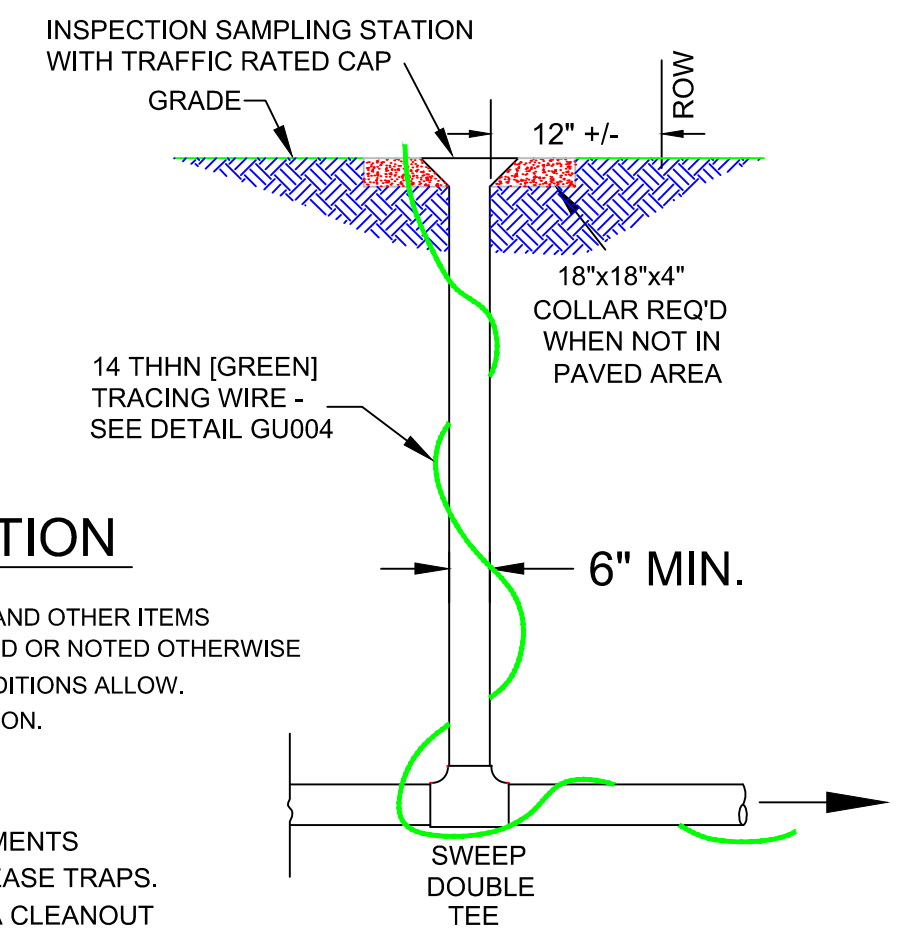
NOTE:

- ALL PIPE AND FITTINGS FOR OUTLET AND SAMPLING STATION PER ASTM 2665.
- AND SAMPLING STATION PER ASTM 2665.

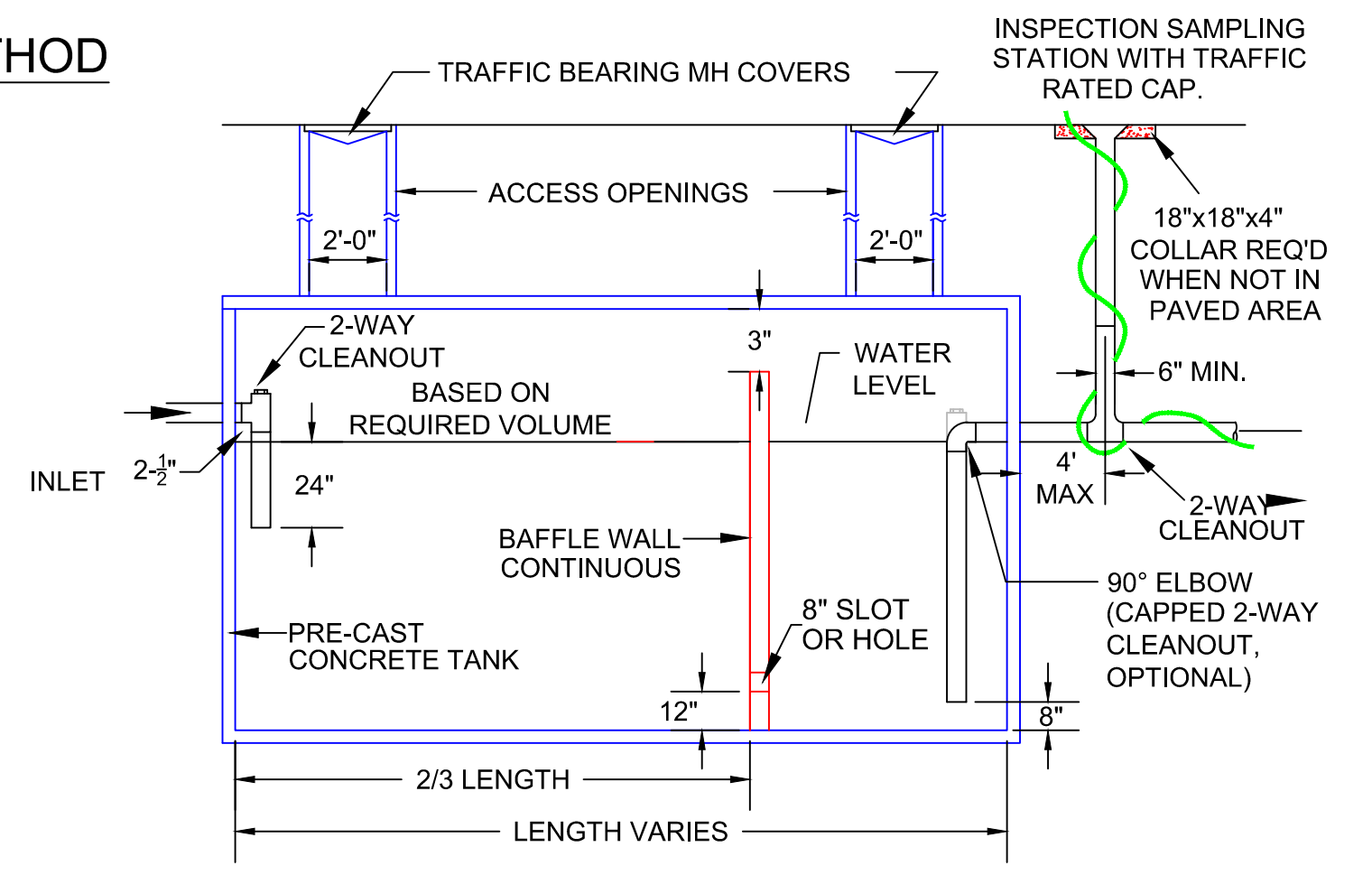
INSPECTION SAMPLING STATION

- ALL MOUNTING HARDWARE, FASTENERS, PIPING, VALVES, AND OTHER ITEMS WITHIN VAULT SHALL BE STAINLESS STEEL, UNLESS SPECIFIED OR NOTED OTHERWISE
- LOCATION OF VAULT MAY BE DIRECTLY OVER MAIN IF CONDITIONS ALLOW.
- RECOMMENDED OPENING TO BE CORED AFTER INSTALLATION.

REQUIRED FOR:
 COMMERCIAL ESTABLISHMENTS WITHOUT IN-GROUND GREASE TRAPS. CAN BE USED IN LIEU OF A CLEANOUT



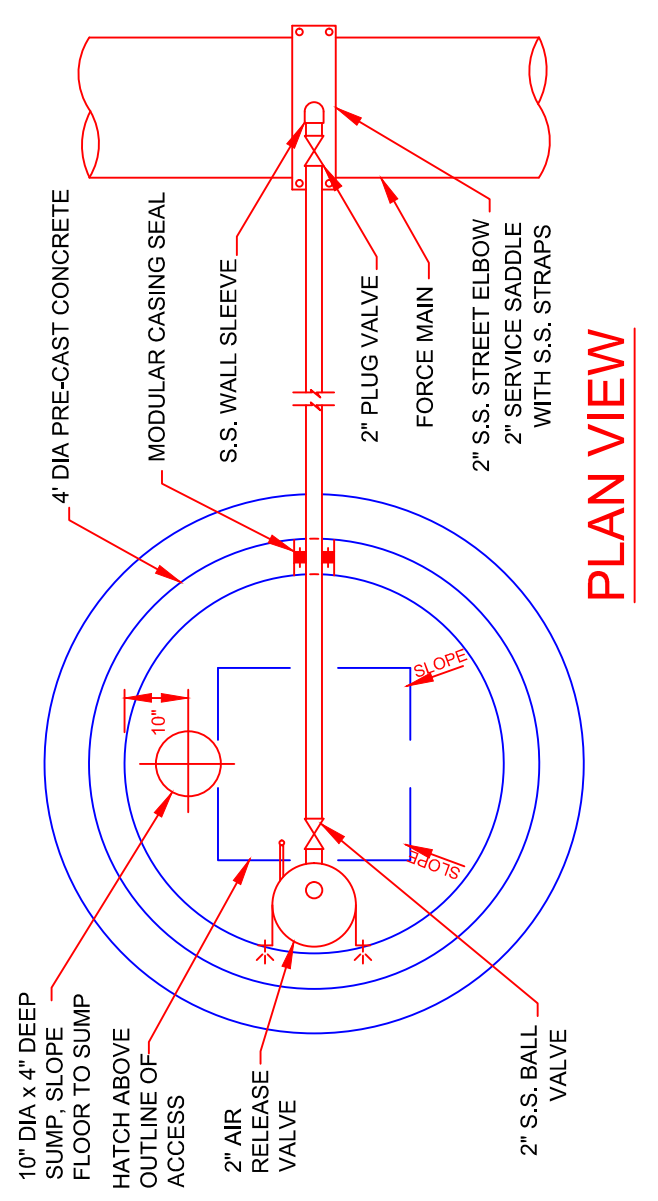
DOUBLE COMPARTMENT GREASE TRAP & INSPECTION SAMPLING STATION
SS005-2



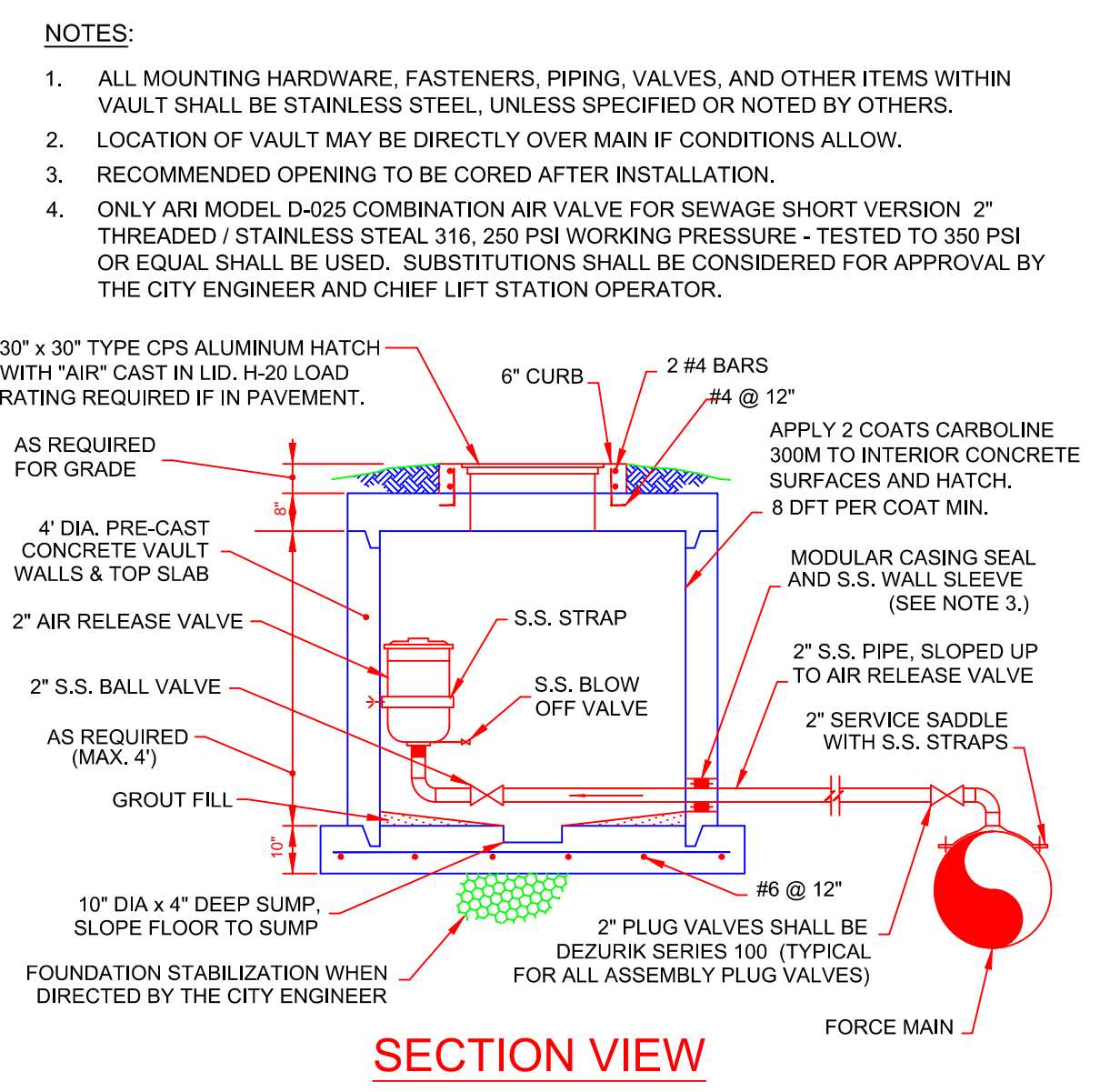
GREASE TRAP DOUBLE COMPARTMENT (NOT TO SCALE)

NOTE: WIDTH VARIES

- VOLUME TO BE DETERMINED BY ALTAMONTE SPRINGS CITY ENGINEER OR DESIGNEE UPON APPLICATION BY OWNER.
- STRUCTURAL DESIGN SHALL BE THE RESPONSIBILITY OF THE MANUFACTURER.
- ONLY KITCHEN WASTE SHALL BE DISCHARGED INTO THE GREASE TRAP. ALL DOMESTIC WASTE (I.E., RESTROOMS) SHALL BE CONNECTED DOWNSTREAM OF THE GREASE TRAP.
- ALL PIPE AND FITTINGS FOR OUTLET AND SAMPLING STATION PER ASTM 2665.
- BUILDING FLOOR ELEVATION SHALL BE 6" HIGHER THAN MANHOLE COVERS.



PLAN VIEW



SECTION VIEW

- NOTES:**
- ALL MOUNTING HARDWARE, FASTENERS, PIPING, VALVES, AND OTHER ITEMS WITHIN VAULT SHALL BE STAINLESS STEEL, UNLESS SPECIFIED OR NOTED BY OTHERS.
 - LOCATION OF VAULT MAY BE DIRECTLY OVER MAIN IF CONDITIONS ALLOW.
 - RECOMMENDED OPENING TO BE CORED AFTER INSTALLATION.
 - ONLY ARI MODEL D-025 COMBINATION AIR VALVE FOR SEWAGE SHORT VERSION 2" THREADED / STAINLESS STEEL 316, 250 PSI WORKING PRESSURE - TESTED TO 350 PSI OR EQUAL SHALL BE USED. SUBSTITUTIONS SHALL BE CONSIDERED FOR APPROVAL BY THE CITY ENGINEER AND CHIEF LIFT STATION OPERATOR.

AIR RELEASE VALVE ASSEMBLY
SS006-2

PUBLIC WORKS & UTILITIES ENGINEERING AND DESIGN STANDARDS ISSUED 2017 REVISED 03/01/2017 BY:DJB	CITY OF ALTAMONTE SPRINGS 225 NEWBURYPORT AVE ALTAMONTE SPRINGS, FLORIDA 32701	DATE: X SCALE: X
	SS901-1 SANITARY SEWER DETAILS - CITY PROJECTS	1 SHEET 1 OF 1