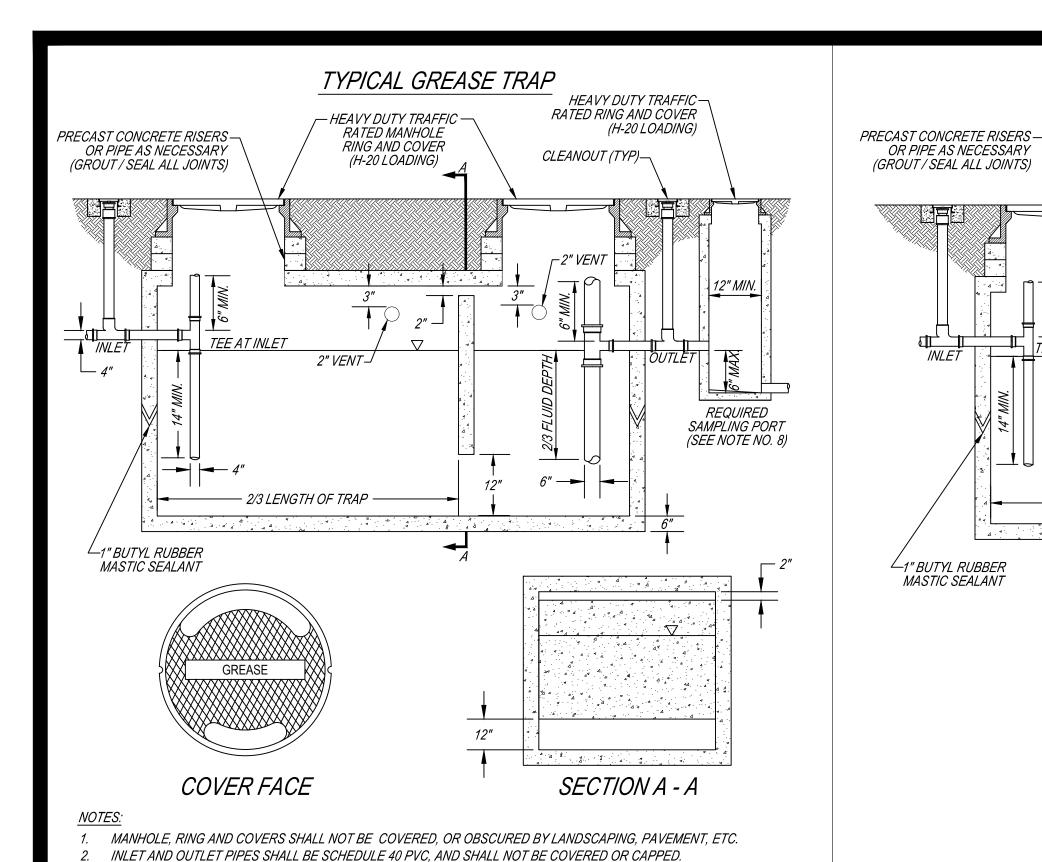


▼ MACHINED BEARING SURFACE



4. TRAPS SHALL NOT BE LOCATED IN AN ENTRANCE, EXIT, DRIVE-THRU, OR UNDER A MENU BOARD.

MANHOLE RING AND COVERS SHALL NOT BE COVERED, OR OBSCURED BY LANDSCAPING, PAVEMENT, ETC. INLET AND OUTLET PIPES SHALL BE SCHEDULE 40 PVC, AND SHALL NOT BE COVERED OR CAPPED.

SECTION A - A

TYPICAL OIL/GRIT SEPARATOR

- HEAVY DUTY TRAFFIC -RATED MANHOLE

RING AND COVER

(H-20 LOADING)

OR PIPE AS NECESSARY

__1"BUTYL RUBBER MASTIC SEALANT

5. MINIMUM SIZE: 1000 GALLONS.

SEWER MAIN.

┬──<mark>╙</mark>┐ *\TEE AT INLET*

4" DIA. HOLE

- 2/3 LENGTH OF TRAP -

CLEANOUT-

- INLET PIPE MUST BE A MINIMUM OF 4" DIAMETER. VERTICAL PIPE ON OUTLET SIDE MUST BE A MINIMUM OF
- SEPARATOR SHALL NOT BE LOCATED IN AN ENTRANCE, EXIT, DRIVE-THRU, OR UNDER A MENU BOARD.

—*3:1 SLOPE MIN.* END CONCRETE PROTECTION WHERE 24" MIN. COVER IS D.I. SEWER PIPE CONCRETE PROTECTION . 12" MIN.

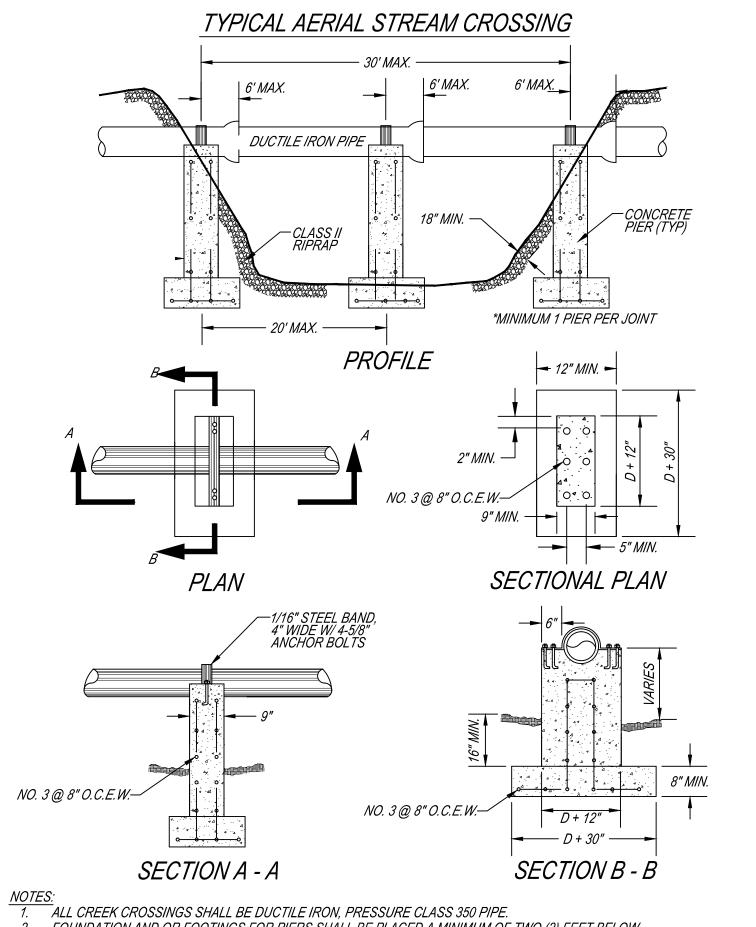
TYPICAL STREAM CROSSING





6" MIN. BEDDING-

PIPE SHALL HAVE LOCKING GASKETS OR RESTRAINED JOINTS WHERE LOCATED INSIDE STREAM BANKS. END CONCRETE PROTECTION WHERE 24" MINIMUM COVER IS ESTABLISHED FROM THE TOP OF THE SEWER



FOUNDATION AND OR FOOTINGS FOR PIERS SHALL BE PLACED A MINIMUM OF TWO (2) FEET BELOW STREAM BED OR ANCHORED TO SOLID ROCK AND SHALL BE CERTIFIED BY A GEOTÈCHNICAL ENGINEER. 3. PIPE SHALL HAVE LOCKING GASKETS OR RESTRAINED JOINTS.

TYPICAL CLEANOUT

TYPICAL BORE ENCASEMENT

3. INLET PIPE MUST BE A MINIMUM OF 4" IN DIAMETER, VERTICAL PIPE ON OUTLET SIDE MUST BE A MINIMUM OF 6" IN

6. 2" DIAMETER VENTS TO BE CONNECTED TO BUILDING VENT SYSTEM (WHERE REQUIRED BY THE PLUMBING PLANS).

8. A DOWNSTREAM SAMPLING PORT OR MANHOLE WILL BE REQUIRED. NO OTHER CONNECTIONS ARE ALLOWED

9. RESTROOM AND NON GREASE LADEN WASTE SHALL NOT PASS THROUGH THE GREASE TRAP.

GREASE TRAPS SHALL MEET STATE OF ALABAMA HEALTH REGULATIONS SECTION 420-3-1-23: 420-3-1-24: 420-3-1-25

SIZE TO BE PER STANDARD SIZING WORKSHEET (MIN. 500 GALLONS).

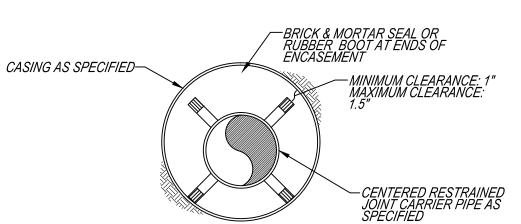
BETWEEN GREASE TRAP AND SAMPLING MANHOLE.

CARRIER PIPE		SPACER	STEEL ENCASEMENT	
NOMINAL PIPE DIAMETER	STANDARD PIPE BELL O.D.*	CASING SPACER BAND WIDTH	MINIMUM CASING THICKNESS	MINIMUM CASING DIAMETER*
4	6.40	8	0.25	14
6	8.60	8	0.25	16
8	11.16	8	0.25	18
10	13.25	8	0.25	20
12	15.22	8	0.25	22
14	17.73	12	0.25	24
16	19.86	12	0.3125	26
18	22.16	12	0.3125	30
20	24.28	12	0.3125	32
24	28.50	12	0.3125	36
30	34.95	12	0.5	42
36	41.37	12	0.5	48

ALL SIZES INDICATED ARE IN INCHES

*PIPE BELL OUTSIDE DIAMETER BASED ON PRESSURE CLASS 350 DUCTILE IRON PIPE.

**CASING DIAMETERS BASED ON BEING A MINIMUM OF 6 INCHES GREATER THAN THE OUTER DIAMETER OF THE JOINT BELL, TO THE NEAREST EVEN SIZE.

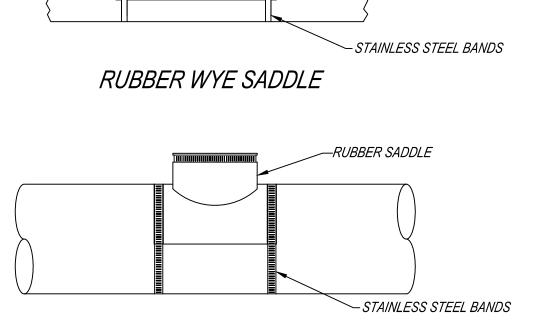


CASING SECTION

DIAMETER.

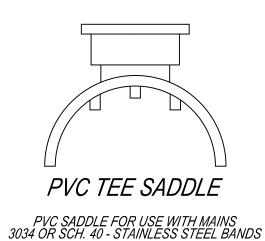
- ALL SPACER BANDS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS.
- ALL SPACERS SHALL HAVE A SYNTHETIC RUBBER OR PVC LINER TO INSULATE THE PIPELINE FROM THE SPACER.
- ALL SPACERS SHALL HAVE 1.5" WIDE GLASS REINFORCED PLASTIC OR UHMW POLYMER RUNNERS TO INSULATE THE SPACER.
- SPACERS TO BE MANUFACTURED BY CASCADE WATERWORKS MFG. CO. (PSI) PIPELINE SEAL AND INSULATOR, INC. OR EQUAL.
- 6" THRU 12" DIAMETER PIPELINE SHALL USE 8" WIDE BANDS: GREATER THAN 12" DIAMETER
- PIPELINES SHALL USE 12" WIDE BANDS. CENTERED RESTRAINED CASING SPACERS SHALL BE SPACED AT A MAXIMUM OF TEN FEET APART WITH A MINIMUM OF TWO SPACERS PER JOINT OF PIPE.

TYPICAL SERVICE CONNECTIONS

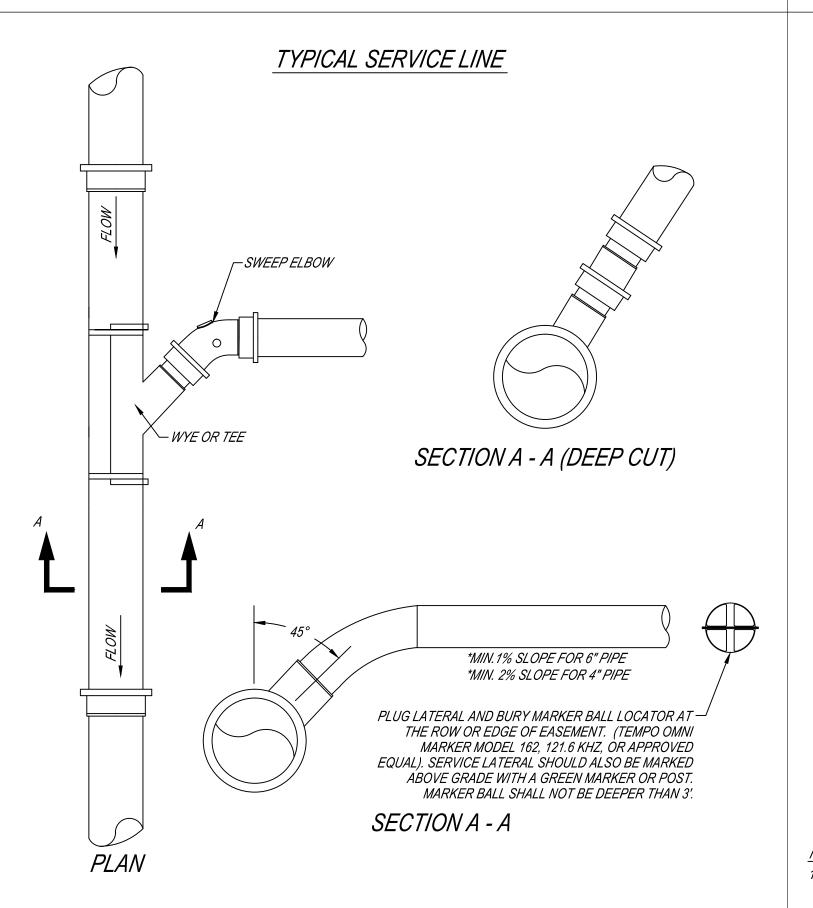


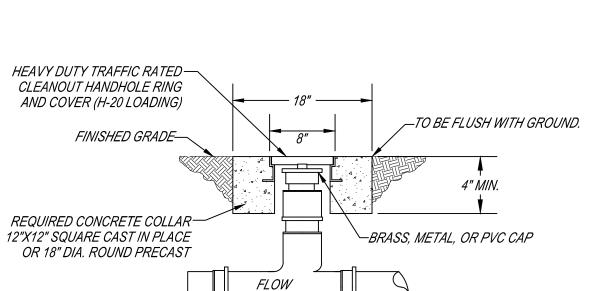
-RUBBER SADDLE





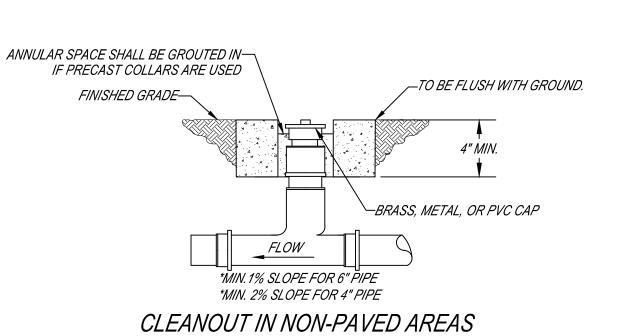
1. ALL CONNECTIONS SHALL BE MADE WITH AN APPROVED TYPE SADDLE FITTING. THE SADDLE SHALL BE PLACED OVER A CAREFULLY CUT OPENING IN THE UPPER QUADRANT OF THE SEWER MAIN AND ATTACHED TO THE MAIN USING STAINLESS STEEL BANDS. UNDER NO CIRCUMSTANCES SHALL ANY LATERAL CONNECTION BE ALLOWED TO PROTRUDE INTO THE





*MIN. 2% SLOPE FOR 4" PIPE CLEANOUT IN PAVED AREAS

*MĪN.1% SLOPE FOR 6" PĪPE



1. CLEANOUTS ARE REQUIRED AT THE EDGE

OF ALL EASEMENTS AND

RIGHT OF WAYS, UNLESS

APPROVED OTHERWISE.

STANDARD DETAILS: SANITARY SEWER - SHEET 2 OF 3

PROJECT TITLE.							
	DEPARTMENT:	WRM	REVISIONS:	GM-04/30/04			
City of Auburn	SCALE:	N.T.S.		BS-10-25-07			
	DRAWN BY:	BS		DCM 2010			
	REVIEWED BY:	JC		JC-10-2011			
	APPROVED BY:	EC					
	IMPLEMENTED:	02/2003					

