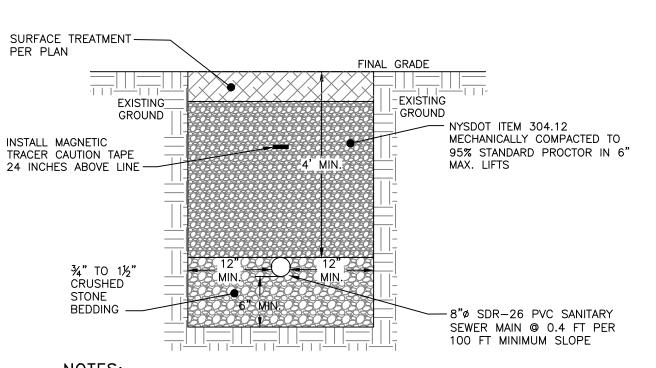


1. PIPE CONNECTION TO BE STANDARD "LOCKJOINT" BOOT 5" OFF BASE OF MANHOLE (SEE DETAIL). 2. CONCRETE STRENGTH OF MANHOLE COMPONENTS TO BE 4000 PSI @ 28 DAYS IN ACCORDANCE WITH ASTM C-478-86. 3. STEEL REINFORCMENT OF MANHOLE COMPONENTS TO MEET ASTM A615-A497 REQUIREMENTS. 4. LOADING OF MANHOLE COMPONENTS TO MEET H-20 REQUIREMENTS. 5. CONCRETE USED IN MANHOLE COMPONENTS TO CONTAIN 6% AIR ENTRAINMENT.

PRE-CAST CONCRETE SANITARY MANHOLE DETAIL NOT TO SCALE

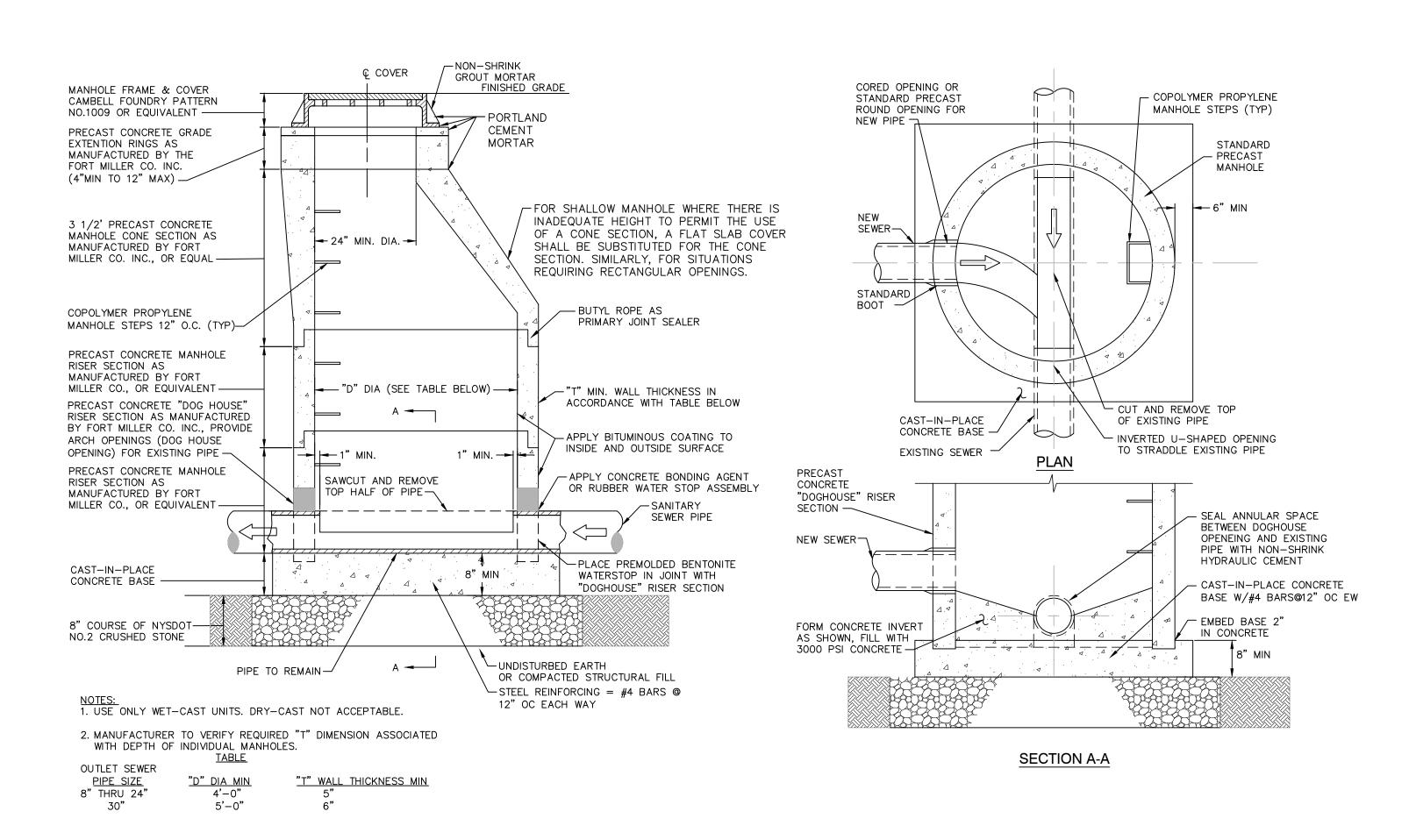
6. 4' MAXIMUM FROM MANHOLE TO PIPE JOINT.



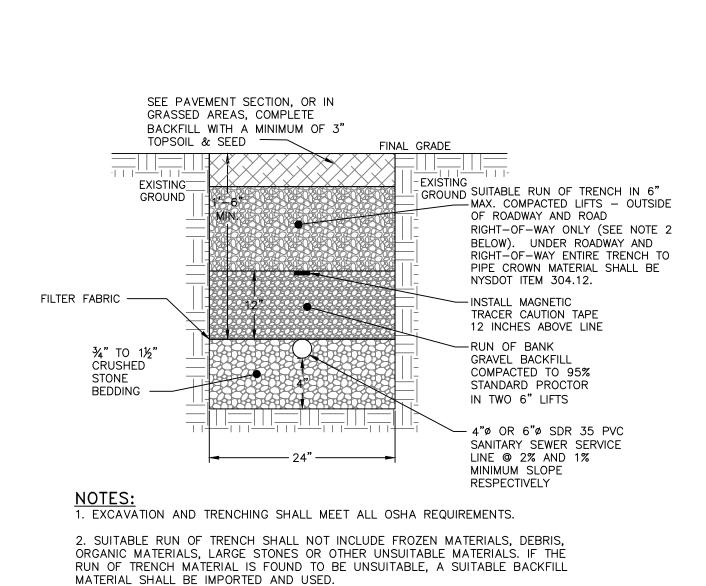
NOTES:

1. EXCAVATION AND TRENCHING SHALL MEET ALL OSHA REQUIREMENTS. SEWER MAIN MATERIAL SHALL BE 8 DIAMETER SDR-26 PVC BELL AND SPIGOT GRAVITY SEWER PIPE, WITH GASTIGHT AND WATERTIGHT JOINTS. SANITARY SEWER MAIN TRENCH DETAIL

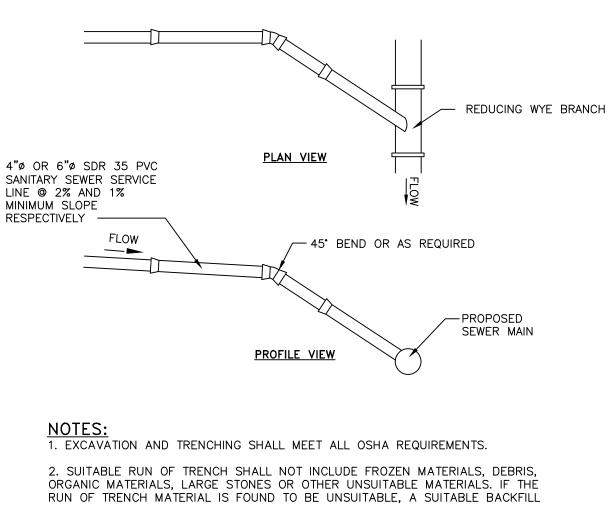
NOT TO SCALE



PRECAST CONCRETE INSERTION "DOGHOUSE" MANHOLE DETAIL NOT TO SCALE

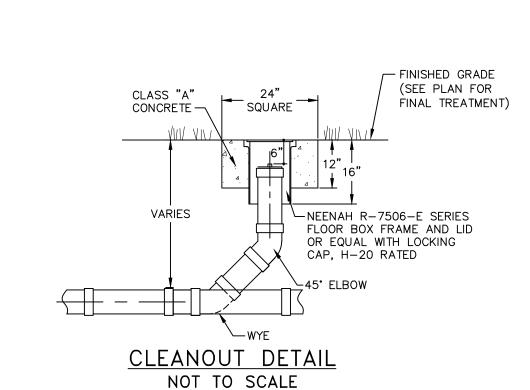


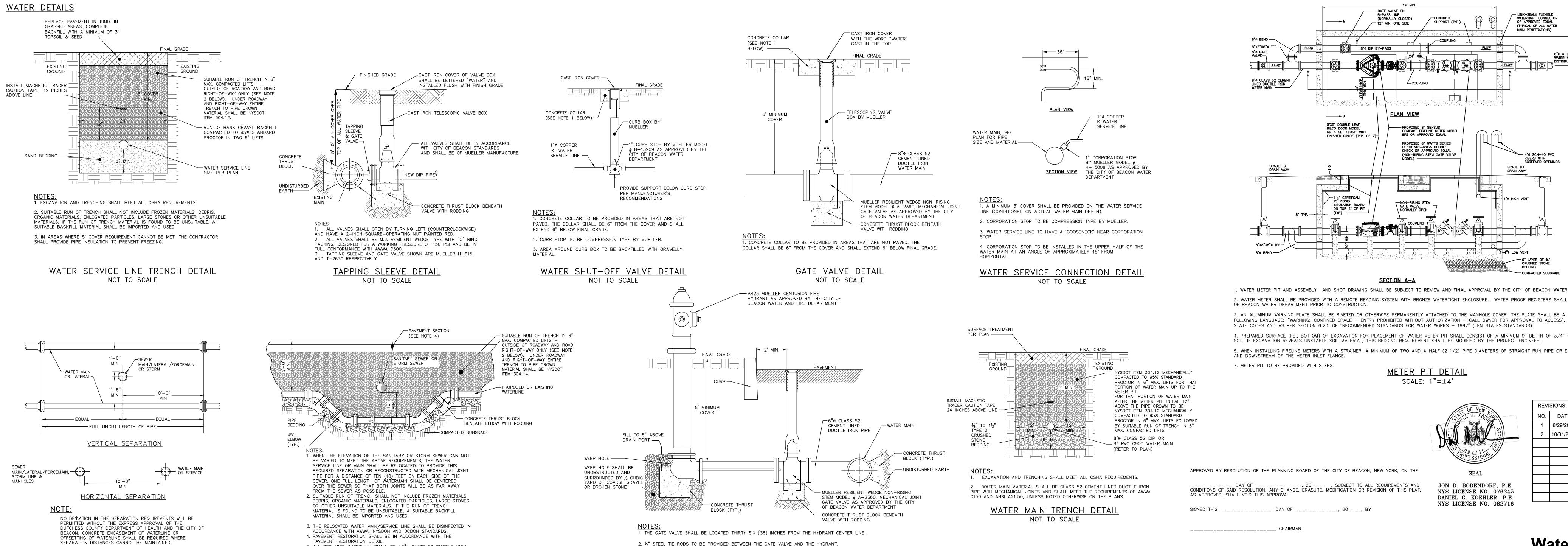


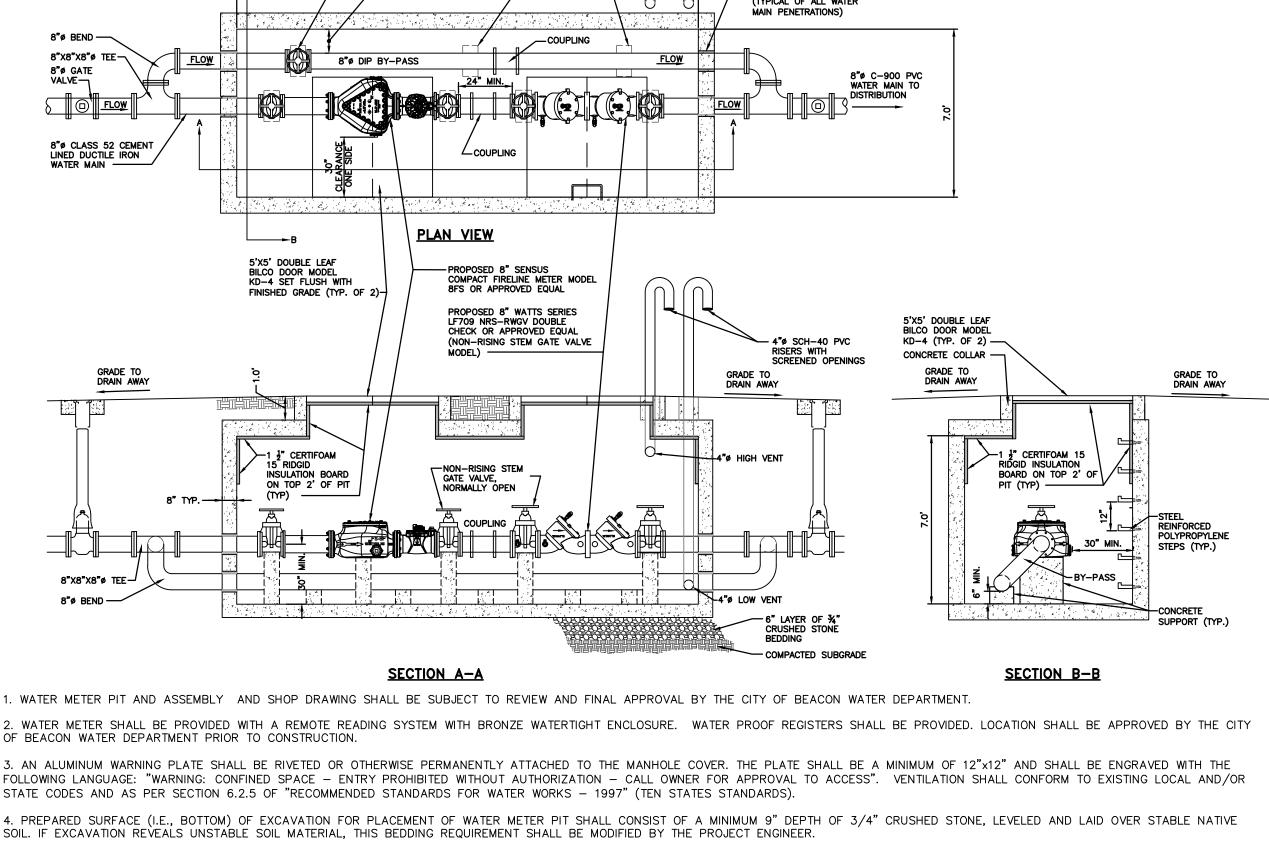


MATERIAL SHALL BE IMPORTED AND USED. SANITARY SEWER SERVICE CONNECTION DETAIL

NOT TO SCALE







2. WATER METER SHALL BE PROVIDED WITH A REMOTE READING SYSTEM WITH BRONZE WATERTIGHT ENCLOSURE. WATER PROOF REGISTERS SHALL BE PROVIDED. LOCATION SHALL BE APPROVED BY THE CITY 3. AN ALUMINUM WARNING PLATE SHALL BE RIVETED OR OTHERWISE PERMANENTLY ATTACHED TO THE MANHOLE COVER. THE PLATE SHALL BE A MINIMUM OF 12"x12" AND SHALL BE ENGRAVED WITH THE FOLLOWING LANGUAGE: "WARNING: CONFINED SPACE - ENTRY PROHIBITED WITHOUT AUTHORIZATION - CALL OWNER FOR APPROVAL TO ACCESS". VENTILATION SHALL CONFORM TO EXISTING LOCAL AND/OR 4. PREPARED SURFACE (I.E., BOTTOM) OF EXCAVATION FOR PLACEMENT OF WATER METER PIT SHALL CONSIST OF A MINIMUM 9" DEPTH OF 3/4" CRUSHED STONE, LEVELED AND LAID OVER STABLE NATIVE 5. WHEN INSTALLING FIRELINE METERS WITH A STRAINER, A MINIMUM OF TWO AND A HALF (2 1/2) PIPE DIAMETERS OF STRAIGHT RUN PIPE OR EQUIVALENT FULL OPEN COMPONENTS IS REQUIRED UPSTREAM

> PER PLANNING BOARD COMMENTS NO CHANGES THIS SHEET

Water and Sewer Details _ SECRETARY IN ABSENCE OF THE CHAIRMAN OR SECRETARY, THE ACTING CHAIRMAN OR ACTING SECRETARY Sheet 11 of 11

RESPECTIVELY MAY SIGN IN THIS PLACE.

WATER LINE SEPARATION DETAIL

NOT TO SCALE

PAVEMENT RESTORATION DETAIL.

5. ALL REPLACED WATERMAIN SHALL BE 12" CLASS 52 DUCTILE IRON.

WATER LINE OFFSET DETAIL

NOT TO SCALE

2. 1/2" STEEL TIE RODS TO BE PROVIDED BETWEEN THE GATE VALVE AND THE HYDRANT.

HYDRANT DETAIL

NOT TO SCALE

Beacon, New York 12508

July 25, 2017