

NOTES:

1. CASING PIPE SHALL BE NEW PIPE CONFORMING TO ASTM C139 GRADE A WITH CONTINUOUS FIELD-WELDED BUTT JOINTS IN ACCORDANCE WITH AWWA C206, A MINIMUM YIELD STRENGTH OF 35,000 PSI, AND THE FOLLOWING MINIMUM WALL THICKNESS:

NOMINAL PIPE SIZE - INCHES MINIMUM WALL THICKNESS - INCHES

	UNDER HIGHWAY	UNDER RAILROAD
UNDER 14	0.188	0.2500
14 AND 16	0.250	0.3125
18	0.250	0.3125
20	0.250	0.3750
24	0.312	0.4375
30	0.312	0.5000
36	0.375	0.5625
42	0.375	0.563
48	0.375	0.625
54	0.500	0.719
60	0.575	0.781
66	0.650	0.875
72	0.650	0.938

2. COAT EXTERIOR SURFACES OF THE CASING PIPE WITH COAL-TAR EPOXY COMPLYING WITH AWWA C210.

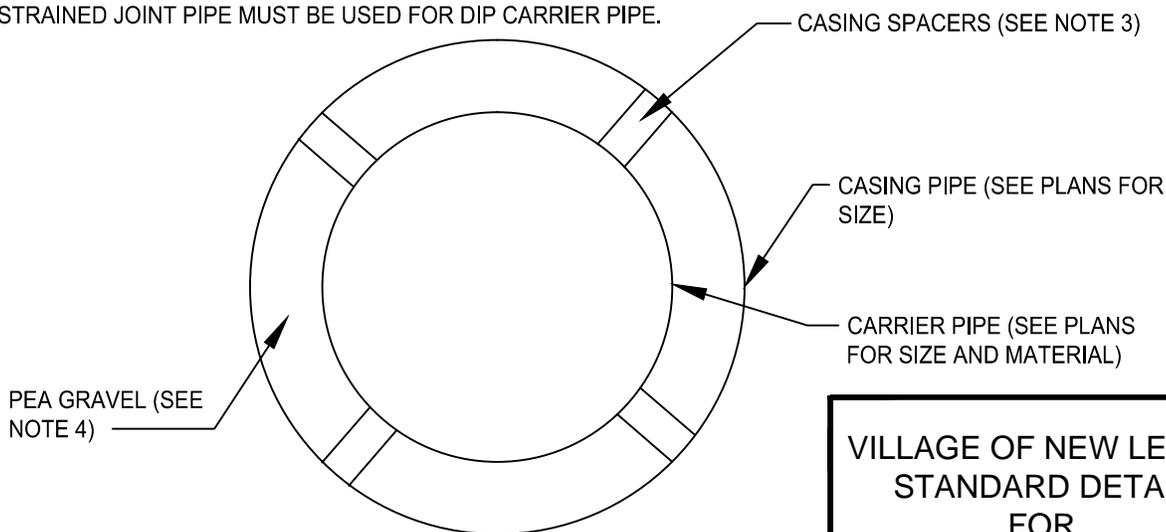
3. PROVIDE CARRIER PIPE SUPPORT SYSTEM TO POSITION CARRIER PIPE AT THE INDICATED ELEVATION AND SLOPE WITHIN THE CASING, USING POWERSEAL CASING CHOCK MODEL 4810 STAINLESS STEEL SPACERS CONSISTING OF 4 GAUGE TYPE 304 STAINLESS STEEL SHELLS, PVC LINER, HIGH MOLECULAR WEIGHT POLYMER RUNNERS, AND STAINLESS STEEL BOLTS AND LOCK NUTS, OR APPROVED EQUAL. A MINIMUM OF THREE SPACERS SHALL BE PROVIDED PER CARRIER PIPE LENGTH, ON 6-FOOT CENTERS.

4. FILL ANNULAR SPACE BETWEEN CARRIER AND CASING PIPES FOR ALL PIPES EXCEPT WATER MAINS WITH PEA GRAVEL.

5. CONSTRUCT END SEALS WITH CONCRETE BRICK LAID LENGTHWISE WITH MORTAR OR PREMANUFACTURED RUBBER END SEALS MADE SPECIFICALLY FOR THIS PURPOSE.

6. FILL VOIDS AROUND EXTERIOR OF CASING PIPE WITH MEARL GEOFOAM LIQUID CONCENTRATE LOW DENSITY CELLULAR CONCRETE GROUT HAVING A MINIMUM NET DENSITY OF 45 PCF AND A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 160 PSI.

7. RESTRAINED JOINT PIPE MUST BE USED FOR DIP CARRIER PIPE.



VILLAGE OF NEW LENOX  
STANDARD DETAIL  
FOR  
CASING PIPE

REV:	1
DATE:	JANUARY 2018
FILE:	MISC\CASPIPE