

NOTES:

1. MINIMUM CLEAR COVER FOR TOP OF CASING ON ALL CITY STREETS SHALL BE 36". MINIMUM COVER ON ALL STATE AND COUNTY ROADS WITHIN THE CITY LIMITS, REFER TO RESPECTIVE AUTHORITIES.
2. CASING FOR FEC CROSSINGS SHALL BE INSTALLED IN ACCORDANCE WITH F.E.C. REQUIREMENTS. CASING INSTALLED WITHIN PORT ORANGE R/W, USE CURRENT FDOT STANDARDS.
4. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE A MINIMUM 4" GREATER THAN THE OUTSIDE DIAMETER OF THE CARRIER PIPE BELL OR COUPLING.
5. SPECIALLY DESIGNED SPACERS SHALL BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6. ROTATION OF CARRIER PIPE INSIDE THE CASING PIPE WILL NOT BE PERMITTED. MECHANICAL OR FLANGED JOINT PIPE SHALL BE USED TO HELP PREVENT SUCH ROTATION.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF CASING AND CARRIER PIPE INSTALLATION FOR APPROVAL PRIOR TO FABRICATION OF PIPING, CASING, AND APPURTENANCES. CERTIFICATION OF CASING PIPE IS REQUIRED.
8. WELDING OF CASING PIPE TO BE DONE BY CERTIFIED WELDER. ALL ENDS OF CASING PIPE SHALL BE CHAMFERED PRIOR TO ANY WELDING.
9. CARRIER PIPE SHALL BE RESTRAINED JOINT THROUGH ENTIRE LENGTH OF CASING PIPE.
10. FOR GRAVITY CARRIER PIPE SYSTEM, ENTIRE ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE SHALL BE GROUTED.



STANDARD CONSTRUCTION DETAIL
CONDUIT CROSSING R.R. OR ROADWAY

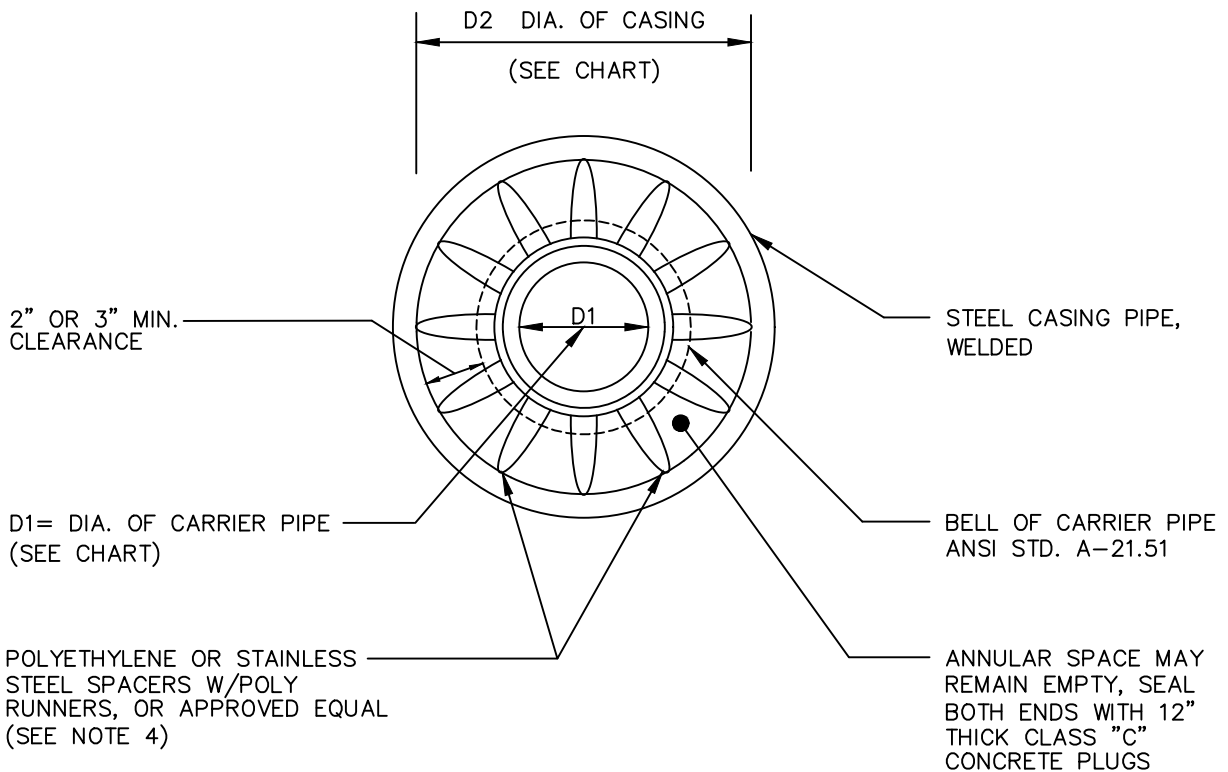
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W22.DWG

DETAIL REF:

W-22



CARRIER PIPE AND MINIMUM CASING PIPE SIZES (INCHES)														
CARRIER PIPE NOM. DIA. (D1)	4	6	8	10	12	14	16	18	20	24	30	36	42	48
CASING PIPE NOM. DIA. (D2)	14	16	18	22	24	30	30	30	36	36	48	54	60	66
WALL THICKNESS (SEE NOTE 3)	PER AUTHORITY HAVING JURISDICTION													



STANDARD CONSTRUCTION DETAIL
CONDUIT CROSSING R.R. OR ROADWAY
(CONTINUED)

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