



Village of Deerfield
Guidelines – Code Requirements

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Issued by:
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Sewer / Storm

The materials used for sewer repairs (sanitary or storm) can vary. The Illinois State plumbing code references several approved materials for building sewers and repairs in Appendix A, Table A. The most cost effective and commonly used material is PVC; the Code references an industry testing standard number of approved materials. PVC pipe could be used at a foundation wall **if installed** correctly; Section 810.180 outlines proper trenching and bedding for building sewer installations.

What sort of piping is allowed to go through the outside wall for a sewer repair?

DEERFIELD: Ductile Iron or Cast Iron

What sort of piping do you prefer for the installation of sanitary sewer repairs within 5 feet of the foundation?

DEERFIELD: Ductile Iron or Cast Iron within the foundation overdig which could be greater than 5'.

For storm sewers?

DEERFIELD: SDR 26 or HDPE at a minimum. Other materials can be at Engineer/contractor's choice so long as installation parameters are within the manufacturer's recommendations. If within foundation over dig, additional requirements may be required such as pinning/anchoring to the foundation to minimize joint separation during settlement.

What sort of piping do you prefer for installation of new sanitary sewer systems?

DEERFIELD: SDR 26 for typical installations. If within overdig or water service/main separation requirements aren't met, consult engineer or Village for requirements.

For new storm sewer systems?

DEERFIELD: If outside of the foundation overdig, engineer/contractor's choice so long as installation parameters are within the manufacturer's recommendations. If within foundation overdig, additional requirements may be required such as pinning/anchoring to the foundation.

We always use stainless steel banded non-shear couplings to make connections underground. Is there any other connector better than non-shear couplings?

DEERFIELD: Non-shear mission band couplings are acceptable in the Village.

Sanitary Connections to LINED mains.

DEERFIELD: Contractor CANNOT cut into the liner for the replacement of a private service as would typically be done on an unlined main. Instead, contractor is required to use an LMK Lined Main Tap Saddle for the connection. Additional information on this method can be found under the Village website.