



*The Town of Leesburg*  
INTEROFFICE MEMORANDUM  
DEPARTMENT OF PLAN REVIEW

**TO:** DCSM Holders and DPR Staff      **DATE:** August 3, 2018

**FROM:** William R. Ackman, Jr., P.E.      **RE:** Interpretation regarding  
Director, Dept. of Plan Review      acceptable alternatives to  
certain sanitary sewer DIP  
pipe materials

**Subject: Interpretation of DCSM Sections 4-140-6.A, 4-130-5M (2),  
4-130-5.N and 4-130-8.F & I & J.**

**Prepared by: Director of Plan Review**

In accordance with DCSM Section 1-420, the Director of Plan Review has the authority to interpret the technical language of the DCSM for specific meaning and intent. Therefore, I (in coordination and cooperation with the Director and Deputy Director of The Utilities Department) have determined that in addition to the minimum requirements stated therein, the language in the above referenced DCSM Sections shall be interpreted, as follows, to add clarity and flexibility to the DCSM.

Recently the Utilities Department encountered deficiencies of Ductile Iron Pipe (DIP) with Protecto 401 interior coating, during the construction of several sanitary sewer installations within the Town of Leesburg. In light of these deficiencies, the Utilities Department prefers C900 materials with appropriately engineered Diameter Ratios (DR) meeting industry standards for depth and deflection. The Town has not encountered deficiencies with alternate interior coating materials on DIP pipe and therefore the Utilities Department will also consider the use of DIP with alternate inside lining materials if submitted for acceptance into the Town's infrastructure.

To avoid future failures, the Town (at this time) will no longer permit DIP with Protecto 401 coating to be constructed within any portion of the sanitary sewer system to be maintained by the Town until such time as the reason for the failures have been identified and corrective measures have been adopted (to the satisfaction of the Utilities Department). As an alternative, the Town will accept Polyvinyl Chloride C900 pipe with appropriately engineered Diameter Ratios (DR) and/or DIP with interior coatings (other than Protecto 401 epoxy coating) as substitutions for DIP with Protecto 401 coating at the time of construction for any projects that specify DIP with Protecto 401 interior coating on the approved plans. *All substitutions shall be approved by the Director of Utilities or her designee and the actual materials installed must be shown on the "As-Built" drawings along with all modified design computations associated with materials changes.*

From this date forward, until the DCSM can be updated accordingly, formal plan revisions to approved plans will **NOT** be required to make this field adjustment (to modify pipe type) provided the conditions stated above are met.