

Design Advisory

From Mark Van Port Fleet, Engineer of Design

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Index: Sections 5.3.2.2 and
7.4.8.1 of the Drainage
Manual

Questions regarding this
Design Advisory should be
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Culvert and Sewer Pay Items

MDOT's Drainage Manual requires that Culverts and Sewers are to be specified by size and class (example Culv, CI A, 24-inch). This ensures that the department is providing for alternative types of pipes. By providing alternatives, MDOT receives the benefit of competitive bidding and therefore ensuring not only that we meet federal requirements, but that we also receive the economic benefits competition brings.

Designers are reminded that all pipes are to be paid for by class and size without specifying material. The Drainage manual instructs that if a specific material should be excluded or is inappropriate for a particular location, the

designer is to document in a note to the file, the basis for the exclusion of pipe material alternatives. This information should also be forwarded to the delivery engineer responsible for construction oversight of the project to ensure they are adequately informed on the basis for the exclusions.

Exception documentation is not needed when an existing pipe is being extended with a like material.