

4300201 PIPE CULVERTS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (12-2-21, Internal)

- I would suggest that 430-2.6 refer to "Use a Type D-3 or better filter fabric..." It is common to supply D-4 fabric for wrapping joints. This could avoid a conflict...the spec says D-3, but you used D-4.
- I see now that the proposed change in 430-4 seems to be limited to the patching/plugging of lift holes in concrete pipe.
- I am not aware of any "manufacturer's instructions" for applying the 24" square cut-out of filter fabric. The common sense approach would be to use an adhesive, mastic or strap that was strong enough to hold the fabric to the pipe during backfilling.
- A more quality application would be to use a pre-adhesive patch specifically for this purpose: In lieu of the 24" filter fabric, apply an adhesive rubberized mastic patch to cover the grouted lift hole. For Example: (<https://marmac.com/construction-products/catalog/sealplugs-high-performance-seals/>)
- The use of lift holes is limited to 60" or larger pipe, and even in those sizes, lifting holes are not common. However, there is an alternative to grouting, which could be considered an alternative for the contractor and the Department.
- In lieu of mortar, the lift hole may be plugged using a polymer, rubber, or concrete fabricated plug. Apply an adhesive rubberized mastic patch to cover the plugged lift hole.
- PopIt Plug: <https://popitplug.com/>
- PolyLok: <https://www.polylok.com/lift-hole-plugs-prod-74.html>
- You can even pre-cast a concrete or mortar plug in a conical shape (like a concrete cork)
- These pre-fabricated/sealed plugs are used in other Southeastern states

Response:

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Comments: (12-3-21, Internal)

Didn't the Spec already call for Type D-3 fabric??

Response:

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No Name

Comments: (12-3-21, Industry)

Why was the requirements for pipe liner systems removed from the materials section? Liner systems are included in the Specification.

Response:

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