

9430000 CORRUGATED STEEL PIPE AND PIPE ARCH (INCLUDING UNDERDRAIN)
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (7-7-15)

I have the following issues:

1. 430, 943 and 945, certification of material properties from the fabricator - Manufacturer Certifications are covered in 6-1.3.1. Cert process should be consistent with other Spec sections.

Response: Agreed. Change will be made to 430 reference Section 6 for certification requirements. 943 and 945 no longer mention certification requirements.
Change made.

2. 430-3.2, 943-2 and 945-1 – Provide guidance to the Engineer. Do we want the CEI making these determinations? Should this be the responsibility of the Contractor to propose and the Engineer to approve?

Response: Agreed. Language has been modified to indicate that the Contractor may propose pipe gage for approval by the Engineer.
Change made.

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Comments: (7-28-15)

We (D2 Jacksonville Maintenance) have spent over \$10.7 million replacing or relining CMP and SRASP. In most cases the pipe requires complete replacement because sections have deformed so badly that they cannot be lined. I would hope that the new language in 943-2 ".. when corrugated steel pipe is allowed" would also allow us not to use it. We may need revisions to 430-8.2 regarding the deflection criteria, since the pipe we replaced met the deflection at final inspection.

Response: We agree that pipe material must be suitable for the particular environmental characteristics of the site soils.
No change made.

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Comments: (7-30-15)

1. The spec below is misleading, the added language states that when a gage is not specified in the plans, the engineer may approve based on..... The spec refers to the table 1 for the gauge of the metal pipe. The language seems conflicting.

943-2 Round Culvert Pipe.

For round culvert pipe used as sidedrain, unless shown otherwise in the Plans, the minimum thickness of the metal (including galvanizing - AASHTO M218, or aluminum coating - AASHTO M274), shall be as specified below. *Alternatively, when corrugated steel pipe is allowed and the Plans do not specify gage, the Engineer may approve pipe gages based on the current FDOT Drainage Manual and Culvert Service Life Estimator.*

Response: Excellent catch! Change will be made to clarify the intent.
Change made.

D5 Construction

Comments: (7-30-15)

943-2 Round Culvert Pipe: “Alternatively, when corrugated steel pipe is allowed and the Plans do not specify gage, the Engineer may approve pipe gages based on the current FDOT Drainage Manual and Culvert Service Life Estimator.” Comments: Should we wright “with exception when the section of the side drains falls under excessive amount of fill or under commercial driveway?”

Response: Changes will be made to clarify this article based on other comments. It seems a part of your suggestion would require a change to the drainage manual. You may want to contact the State Drainage Office with your concerns.
Changes made.
