

1050404-MM6.3 VII CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS –
COMPLIANCE WITH THE MATERIALS MANUAL
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (10-10-17)

1. Please add the following sentence to the end of section 6.3.7.8.6 Handling and Storage:
"Rejected structures shall be culled and marked as rejected."

Response: Language in 6.3.7.8.6 Handling and Storage will be modified as shown below.
Guidelines (A) through (F) will be deleted and the text revised as highlighted below:

Handle and store all Structures properly to prevent damage. The ~~quality control~~QC inspectors shall inspect the Structure handling operations and appropriate practices that will prevent damage. The ~~quality control~~QC inspectors shall inspect Structures during storage to ensure that they are stored correctly and are not being damaged by point loading or stacking too high. Describe the method of storing Structures in the QCP. Do not store the rejected Structures in the same area with the acceptable Structures. ~~Rejected Pipe Structures shall be culled and marked as rejected.~~

Change made.

Comments: (10-11-17)

2. Section 923, Water for Concrete, is under industry at this time to remove the prohibition on reclaimed and recycled water for use in batching structural concrete. Should this change be approved, the last sentence in MM 6.3.7.4.6 Batch Water should have the word "well" removed. "The record of the well water testing will be maintained on file" becomes "The record of water testing will be maintained on file."

Response: Agree. Word 'well' will be deleted.
Change made.

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Comments: (10-10-17)

Regarding this item in all four MM Sections (8.1.5.3.2.2 (2)(B)) for example in 8.1): "After obtaining approval of the QCP, provide a certification on the Producer's letterhead to the Engineer stating that the precast prestressed concrete products will be manufactured in accordance with the requirements set forth in the FDOT Contract Documents, the plant's approved QCP, and Section 6 (Source of Supply–Steel) of the FDOT Standard Specifications." Providing an example of this letter on the company's letterhead is already a requirement during the QCP review process (see QCP review checklists, we require an example in their QC plan).

We've already obtained it at this point. Perhaps we should replace this in each Section with the language in 450 (below): "At the beginning of each project, provide a notarized statement to the Engineer from a responsible company representative certifying that the plant will manufacture the products in accordance with the requirements set forth in the Contract Documents and Producer QC Plan." Thank you.

Response: Language in 6.3.7.4.2.1 (B) will be modified as follows:

(B) After obtaining approval of the QCP, and at the beginning of each project, provide a notarized certification on the Producer's letterhead to the Engineer stating that precast concrete drainage structures and/or box culvert will be manufactured in accordance with the requirements set forth set forth in the FDOT Contract Documents, the plant's approved QCP, and Section 6 (Source of Supply–Steel) of the FDOT Standard Specifications.

Change made.

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Comments: (11-6-17)

The Florida Concrete Pipe Association (FCPA) has concerns about the proposed changes to Section 6.3 of the Materials Manual regarding Section 6.3.7.8.6 Handling and Storage and Section 6.3.7.7.3 Concrete Forms.

1. There is language in Section 400 that appears to be oriented to cast-in-place concrete placed in the field. In a precast concrete facility, there may not be the same type of opportunity for the Engineer to inspect formwork prior to placement. There is also continual reference to the contractor and engineer in Section 400, which may not be appropriate for a manufacturing environment.

Response: Agree. Language will be modified as highlighted below and discussed with Industry.

~~Follow the instructions set out in Specification Section 400 (Forms).~~
Provide Concrete forms made of wood, metal, or other materials meeting the requirements of this section and **Specification Section 400.**
¶
Forms used in the manufacture of structures shall be sufficiently rigid and accurate to maintain the structures designed dimensions and avoid irregularities in the structure surface. Forms not meeting governing document requirements shall be repaired or removed from service.
¶
Ensure that the condition of all forms be of a quality to produce acceptable Structures within the dimensional tolerances. The **quality control QC** inspector shall check cleanliness of the forms prior to each use. Check the form dimensions prior to its first use and at least annually for dimensional conformance.¶

Change made.

2. Regarding Handling and Storage, I would like to request that these proposed changes be discussed prior to implementation in the Materials Manual. I agree with the statement "Products shall be handled and stored to prevent damage," but have serious concerns, including safety concerns, about the feasibility of the remaining items A through F.

Response: Please see response to McMillan comment #1.
