

1050302 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS –
COMPLIANCE WITH THE MATERIALS MANUAL –
SECTION 6.2 PRECAST CONCRETE PIPE
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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N. Monkman
Wright Construction

Comments: (7-11-12)

I am glad that the redundancy of using Florida Department of Transportation Specifications is being removed and replaced with simply "specifications". However, for the sake of assurance, I believe the section should have an opening statement that informs that "Specifications shall mean FDOT specifications unless noted otherwise." May be overkill, but you are covered 6 ways to Sunday.

Response: The definition of the Specifications is in Section 1. No change made.

Anonymous

Comments: (7-16-12)

1. It should be clearly noted that concrete pipe up to and including 72" and elliptical equivalents will only be accepted on the basis of a 3 edge bearing test.

Response: The national standard ASTM C-76 allows for the use of cores, cylinders or 3 edge bearing test. No change made.

2. The requirement for an absorption every week should be modified to be one per lot per month or one per each mix design per month..

Response: Based on the results being obtained today, the frequency is not being considered for change at this time.

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Comments: (8-2-12)

1. Change "are" to "is" in the second to last sentence in 6.2.6.2.

Response: Change made.

2. 6.2.6.3 states, "An initial review includes an in-depth inspection by the Department of a Plant that submits its first quality control plan and Plants that have not produced for the Department projects for more than a year." This should state that an in-depth inspection is also required for Plants to be placed back on Active Status. Some Plants which need an in-depth inspection have produced for the Department within the last year.

Response: No change made at this time. The comment will be discussed by State Materials Office with District Materials Offices.

3. 6.2.6.4 states, “Upon approval of Plant’s quality control plan, the Department will also perform routine, at least quarterly, verification inspections, and Plant qualification reviews, at least annually, on all Plants that have continued to furnish Pipe for the Department projects.” These inspections need to be done until the Plant has been placed on Status B, inactive. Otherwise, we will run into problems if they get a job and we haven’t kept up with our inspections.

Response: No change made at this time. The comment will be discussed by State Materials Office with District Materials Offices.

4. In 6.2.6.4, it states that the quality control plan is in compliance with Materials Manual 5.6. In other Sections of the Materials Manual, it states that the quality control plan is in accordance with Specifications Section 105 and the Materials Manual 5.6 may be used as a guideline. This should be made consistent.

Response: Other sections will be revised to match 6.2. No change made.

5. In 6.2.6.4, change “Plants with Accepted Quality Control Plans” to “Producers with Accepted Quality Control Plans.”

Response: The change is made to match the title of the report being referenced.

6. 6.2.6.4 needs to be revised. Addenda need to be submitted, accepted, and incorporated into the quality control plan as they occur throughout the year. The entire quality control plan needs to be revised and submitted annually.

Response: No change made at this time. The comment will be discussed by State Materials Office with District Materials Offices.

7. The last sentence in 6.2.6.4 states, “The Department will perform at least one in-depth review of the Plant that is producing for the Department projects.” 6.2.6.3 already states that Plant qualification reviews will be performed annually. I still don’t think this is contingent on whether that Plant is producing, but rather that it is on Status A, active.

Response: No change made at this time. The comment will be discussed by State Materials Office with District Materials Offices.

8. Delete “of” in 6.2.7.4.1.

Response: Change made.

9. There should still be a section in 6.2.7.4.10 that allows the use of non-QPL products to repair the surface areas of pipes. These are minor and non-structural. Specifications Section 449 allows for the following: “Individual air holes (trapped air), or spalled areas with a length of up to one-half the pipe radius, or 12 inches whichever is less, may be repaired by careful use of a hand-

placed, stiff, pre-shrunk, 1-to-1 mortar of cement and fine sand, and with no additional preparation other than a thorough washing with water of the defect.” If this is allowed, other non-shrink grouts which have been used, approved through Producer’s quality control plans for years, and have had no problems should also be allowed to be used.

Response: Language has been added to allow for the use of non-QPL items for cosmetic repairs. The State Materials Office will clarify cosmetic repairs and add language in a future change.

10. Add “in Specifications Section 942” in 6.2.7.7.

Response: No change needed.

11. In 6.3.7.8.3, the absorption test is waived for precast reinforced concrete inlets, manholes, junction boxes, and endwalls. In 6.2.7.9.2, absorption tests are required for steel reinforced Pipe. It doesn’t specify wetcast or drycast. Since 6.3 waives the requirement for wetcast structures, I think the absorption requirement should be waived for wetcast Pipe as well.

Response: This proposal will be discussed with District Materials representatives as a state wide and will be addressed in future changes.

12. Remove “The Plant shall address the shipping policy as part of the quality control plan” from 6.2.7.9.7. This is stated in the first sentence of this section.

Response: Change made.

13. 6.2.7.9.8 (M) requires the quality control documentation to include “Disposition of all manufactured Pipe.” I take this to mean for FDOT. I’m not sure how we’re over non-DOT produced Pipe or what exactly this means. Could this be clarified?

Response: FDOT added to M.

14. Correct 6.2.7.9.8 (N) to read, “Record of the job specific shipping tickets describing the size, type, and lengths of the delivered Pipe and including the required notarized certification statement at the beginning of each project.”

Response: Change made.

15. Insert “of” into 6.2.7.9.8 (O) to read “Record of all deficiencies...”

Response: Change made.

16. Change “or only they take” to “or only retaking” in 6.2.8.3.

Response: Change made.
