

DISTRICT 2 CONSTRUCTION QC/QA PLAN

QUALITY ASSESSMENT GUIDE

EFFECTIVE DATE: April 17, 1998
Revised as of 12/21/10

Drainage (SPECIFICATIONS)

Number 15

CRITERIA
USED

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| 1. | Has the CEI verified that trenches are de-watered as necessary? | Spec. 125-8.1.2
DELETED |
| 2. | Has the CEI verified that the excavation of trenches meet the required depth and width for compactors? | Spec. 125-4.4 |
| 3. | Has the CEI verified that the Engineer has inspected and approved all foundation excavations prior to placing masonry? | Spec. 125-4.1
DELETED |
| 4. | Has the CEI verified that heavy equipment is not allowed to cross over culvert or pipes until the backfill material has been placed and compacted to the finished earthwork grade or 4 ft. (1.2m) above the pipe or culvert? | Spec. 125-8.1.3 |
| 5. | Has the CEI verified that no back filling against any masonry construction can occur until approval by the Engineer or concrete has been in place for 7 days or until the specified 28 day compressive strength occurs? | Spec. 125-8.1.5 |
| 6. | Has the CEI verified that a bituminous coating was applied to metal pipe prior to placement as specified at least 12 inches beyond the concrete encasement? | Spec. 430-4.7
DS 280 Sht 1 of 2
DS 272 Sht 6 of 6
Note 6 |
| 7. | Is the CEI aware of and verifying that video taping for evaluating the condition of the pipe is being performed? | Spec. 430-4.8.1 |
| 8. | Has the CEI verified that round rubber or profile gaskets meet the requirements of Section 449 for sealing concrete pipe joints? | Spec. 430-7.1 |
| 9. | Has the CEI verified that backfill placement and compaction is in horizontal layers not exceeding 6 " compacted thickness above water level, unless other methods approved by Engineer? | Spec. 125-8.1.6 |
| 10. | Is the CEI staff aware that when connecting pipe joints and the joint between the pipe and the structure, a filter fabric jacket is placed against the outside of the pipe and held in place by metal or plastic strapping or by other method as approved by the Engineer? | Spec. 430-4.1
DS 280 Sht 1 of 2 |

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11. Is the CEI staff aware of and enforcing the requirement that all concrete jackets require wire mesh? DS 280 Sht 1 of 2
12. ~~For metal and plastic pipe, 36 inches (900 mm) and less in diameter, was a mandrel used to inspect for deflection?~~ Spec 430-4.8
DELETED
13. Has the Engineer approved the coating product used for the Metal Pipe Protection and is it in accordance with the approved QC Plan for Metal Pipe? Spec. 430-4.7