

Diary Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_

Date: \_\_\_\_\_

**Division V: Drainage Facilities**  
**Title: Reinforced Concrete Pipe**

Pipe Run Number
Class
Diameter
Route
Station
Offset

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Recommended
1.		There is an approved Trenching Plan for excavations of 5 foot or greater and the contractor has submitted the name of the "Competent Person" (Safety Supervisor).	Standard Specifications 107.08
2.		The contractor has submitted the name of the "Competent Person" (Safety Supervisor).	Standard Specifications 107.07
3.		There is Certificate of Compliance for each lot of pipe.	Standard Specifications 1010-1 Standard Specifications 106.05 Standard Specifications 1010-1
4.		The pipe is marked with date of manufacture; pipe D-load and Class.	AASHTO M-170 AASHTO M-170 17 Standard Specifications 1010-6
5.		The pipe is free of cracks greater than 0.01 inch with a length of 12 inches, or cracks which extend through the wall.	AASHTO M-170 12.1 Standard Specifications 1010-6
6.		The pipe is smooth without honeycombing or open texture.	AASHTO M-170 Standard Specifications 1010-6

7.		For pipe greater than 27 inches, the measured diameter does not vary by more than 1 percent or 3/8 inch, whichever is greater. For pipe from 12 to 24 inches, the measured diameter does not vary more than 2%.	AASHTO M-170 12.1 Standard Specifications 1010-6
8.		Bedding material meets gradation, the plasticity index (PI) does not exceed 8, and resistivity exceeds the 2,000 ohm-centimeters (unless otherwise specified).	Standard Specifications 501-3.02 (A)(1)
9.		Bedding material for all concrete pipe has a pH between 6.0 and 12.0.	Standard Specifications 501-3.02 (A)(1)
10.		Trenching conforms to the approved trenching plan for excavations 5 foot deep or greater.	Standard Specifications 107.08 Standard Specifications 501-1
11.		The Contractor's Competent Person (Safety Supervisor) has inspected all open trenches before work is started or resumed.	Standard Specifications 107.08
12.		Open 4 Feet or deeper excavations with slopes steeper than 1:2 left unattended, are protected with 72-inch temporary chain link fencing, or approved equal, satisfactory to the Engineer. It is secured after normal working hours.	Standard Specifications 107.08
13.		With non-trench installation, embankment was built up in a fill area before the bedding was compacted and the bedding and backfill dimension requirements.	Construction Standard Drawings C-13.15
14.		Rock, hardpan, unyielding, soft, or spongy materials on the bottom of the trench are removed at least 12" and replaced with compacted structural backfill in 6" lifts.	Standard Specifications 501-3.01
15.		All trash, forms, sheeting, bracing and loose rock or loose earth shall be removed from the areas to be backfilled before backfill material is placed.	Standard Specifications 501-3.02 (B)(1)
16.		Pipe is placed in conformance with lines, grades, and dimensions shown on the Plans.	Standard Specifications 501-3.03 (A)
17.		Pipes are jointed where inner (end) joint are reasonably flush (jointed) with the bell inner joint and the joint is even.	Standard Specifications 501-3.03 (D)
18.		If O-Ring gaskets are used, they are installed in accordance with the manufacture's recommendations.	Standard Specifications 501-3.03 (D)
19.		Backfill materials were placed in layers not greater than 8 inches prior to compaction.	Standard Specifications 501-3.04 (B)(1)
20.		Bedding backfill from the bottom of the pipe to the haunch (springline) is either standard aggregate bedding in 8" lifts (before compaction), or cement-treated slurry (not exceeding 4 feet in depth).	Standard Specifications 501-3.02 (B)(2)
21.		Pipe backfill below the haunch (springline) is compacted in 6 inch maximum lifts to 95% of the maximum density.	Standard Specifications 501-3.02 (C)(2)
22.		Backfill dimensional requirements conform to	Construction Standard Drawings C-13.15 Standard Specifications 501-3.01
23.		No backfilling above the cement-treated slurry was started until 24 hours after the cement-treated slurry was placed.	Standard Specifications 501-3.02 (B)(3)

24.		When aggregate slurry or jetting is used, the material below the haunch (springline) is compacted prior to placement of material above the springline.	Standard Specifications 501-3.02 (B)(2)
25.		When jetting, the water pressure is a minimum of 30 PSI and no ponding is permitted. The jetting probe is inserted at uniformly spaced intervals on both side of pipe not exceeding three feet spacing.	Standard Specifications 501-3.02 (C)(2)
26.		Backfill materials were placed in layers not greater than 8 inches prior to compaction.	Standard Specifications 501-3.04 (B)(1)
27.		A minimum of 95 percent compaction is obtained in backfill material.	Standard Specifications 501-3.04 (A)(3)
28.		Slope plating material for inlets is an impervious, fine grained, cohesive material with at least 50 percent passing the No. 4 sieve and a PI of at least 10, placed as shown on the plans.	Standard Specifications 501-3.04 (A)(3)
29.		The interior of the pipe is free of dirt and debris at FINAL ACCEPTANCE.	Standard Specifications 501-3.03 (A)
30.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01