

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division V: Drainage Facilities
Title: Corrugated Metal Pipe

Pipe Run Number
Route
Start Station
End Station
Offset
Diameter

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Construction Manual 108.04
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 Standard Specifications 501-1
2.		The Certificate of Compliance identification number matches the numbers on the pipe; the thickness matches the plan's pipe summary sheet. Note: The bill of lading can be accepted as the certificate with an original signature by an authorized person.	Standard Specifications 1010-1 Standard Specifications 106.05 (E)
3.		Trenching conforms to the approved trenching plan for excavations 5 foot deep or greater.	Standard Specifications 107.08 Standard Specifications 501-1
4.		The Contractor's Competent Person (Safety Supervisor) has inspected all open trenches before work is started or resumed.	Standard Specifications 107.08
5.		Damaged pipe is rejected unless repaired in accordance with AASHTO M36.	AASHTO M36 Standard Specifications 501-3.03 (A)

6.		Helical corrugated metal pipes shall have the ends re-rolled to circumferential corrugations to facilitate coupling. The re-rolled end shall extend a minimum of two corrugations from the end of the pipe. When a new pipe is to be connected to the end of an existing in-place helical pipe, a coupling band with projections (dimples) may be used to make the connection.	Standard Specifications 501-3.03 (B)(1)
7.		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
8.		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
9.		The measured diameter does not vary by more than one percent or 1/2 inch, whichever is greater, from the plan diameter.	AASHTO M 36 Standard Specifications 501-3.03 (A)
10.		Non-trench installation: Embankment was built up and compacted simultaneously with the bedding and backfill; or the embankment was constructed, and then trenched normally.	Construction Standard Drawings C13.15 Standard Specifications 501-3.01
11.		Pipe not in alignment, showing undue settlement, damaged after placement, or not having a positive joint connection is removed and either replaced or reinstalled per the Engineer.	AASHTO M 36 Standard Specifications 501-3.03
12.		Where existing pipes are extended, damaged portions of existing pipe ends are removed or repaired.	Standard Specifications 501-3.03 (B)(1)
13.		Damaged galvanized coatings are repaired in accordance with Standard Specifications 1002-2.02.	Standard Specifications 1002-2.02 Standard Specifications 501-3.03 (B)(1)
14.		Field joints for corrugated metal pipe shall provide strength to maintain alignment, prevent separation, prevent infiltration of side fill material, and prevent leakage.	Standard Specifications 501-3.03 (B)(1)
15.		Coupling bands with flat or O-ring gaskets are installed and the bands are installed with the gaskets in position and tightened to provide a good seal.	Standard Specifications 1010-2.01 Standard Specifications 501-3.03 (B)
16.		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)
17.		Bedding material for metal pipe (except aluminum), has a pH between 6.0 and 10.0. Aluminum pipe bedding pH is between 6.0 and 9.0.	Standard Specifications 501-3.02 (A)(1)
18.		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)
19.		Pipes in a trench condition are placed on a 6" layer of standard aggregate bedding.	Standard Specifications 501-3.02 (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.		A minimum of 95 percent compaction was obtained in bedding material.	Standard Specifications 501-3.02 (C)(2)
22.		Pipe is placed in conformance with lines, grades, and dimensions shown on the Plans.	Standard Specifications 501-3.03
23.		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)
24.		Bedding backfill below the haunch (springline) does not cause the pipe to be raised or moved laterally.	Standard Specifications 501-3.02 (C)(1)
25.		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 (C)(2)
26.		Backfill dimensional requirements conform to Construction Standard Drawings C13.15.	Construction Standard Drawings C13.15 Standard Specifications 501-3.01
27.		Cement-treated slurry was used for 36 inch or larger pipe from the bottom of the pipe to the haunch (springline) when placed in a trench condition.	Standard Specifications 501-3.02 (B)(1)
28.		Pipe backfill (fill) is brought up evenly on both sides of the pipe for the full length to an elevation of one foot above the top of the pipe.	Standard Specifications 501-3.04 (B)(1)
29.		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)
30.		Backfill materials were placed in layers not greater than 8 inches prior to compaction.	Standard Specifications 501-3.04 (B)(1)
31.		A minimum of 95 percent compaction is obtained in backfill material.	Standard Specifications 501-3.04 (C)
32.		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)
33.		The interior of the pipe is free of dirt and debris at FINAL ACCEPTANCE.	Standard Specifications 501-3.03 (A)
34.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01