Inspector Quantlist Report 20250113

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	Yes, No, N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	Construction Manual 108.04
1.		The Certificate of Compliance identification number matches the numbers on the pipe and the thickness matches the plan's pipe summary sheet?	2021 Standard Specifications 1010-1 pg. 1208 106.05 (B) pg. 90
2.		Is there an approved Trenching Plan for excavations of 5 feet or greater and the contractor has submitted the name of the "Competent Person" (Safety Supervisor)?	2021 Standard Specifications 107.08 (B) pg. 100 501-1 pg. 518
3.		All trenching conforms to the approved trenching plan for excavations 5 feet deep or greater?	2021 Standard Specifications 501-1 pg. 518
4.		Has the contractor's competent Person (Safety Supervisor) inspected trenches and surrounding areas to identify existing and predictable hazards?	2021 Standard Specifications 107.08 (B) pg. 100
5.		Open excavations 4 feet or deeper, with slopes steeper than 1:2 left unattended are protected with 72-inch temporary chain link fencing, or approved equal that is satisfactory to the Engineer? Are they secured after normal working hours?	2021 Standard Specifications 107.08 (A) pg. 99
6.		Is damaged pipe rejected unless repaired in accordance with AASHTO M36?	AASHTO M36 2021 Standard Specifications 501-3.03 (A) pg. 523
7.		Were damaged galvanized coatings repaired in accordance with Standard Specifications?	2021 Standard Specifications 1002-2.02 pg. 1127
8.		Rock, hardpan, unyielding, soft, or spongy materials on the bottom of the trench were removed at least 12" and replaced with compacted structural backfill in 6" lifts?	2021 Standard Specifications 501-3.01 pg. 519
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 ADOT Construction Manual 501-2 pg. 501-3

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, note 5 2021 Standard Specifications 501-3.01 pg. 519
11.		Do the backfill dimensional requirements conform to Construction Standard Drawings C13.15?	2021 Standard Specifications 501-3.01 pg. 519
12.		Does the bedding material meet gradation, the plasticity index (PI) does not exceed 8, and resistivity exceeds the 2,000 ohm-centimeters (unless otherwise specified)?	2021 Standard Specifications 501-3.02 (A)(1) pg. 520
13.		Does the bedding material for metal pipe (except aluminum), have a pH between 6.0 and 10.0? Is the aluminum pipe be dding pH between 6.0 and 9.0?	2021 Standard Specifications 501-3.02 (A)(1) pg. 520
14.		Was all trash, forms, sheeting, bracing and loose rock or loose earth removed from the areas to be backfilled before backfill material is placed?	2021 Standard Specifications 501-3.02 (B)(1)pg. 521
15.		Are the pipes to be placed in a trench, placed on a 6” layer of standard aggregate bedding?	2021 Standard Specifications 501-3.02 (B)(1) pg. 521
16.		Is the bedding backfill from the bottom of the pipe to the haunch (springline) standard aggregate bedding material, placed in 8” lifts (before compaction)?	2021 Standard Specifications 501-3.02 (B)(2) pg. 522
17.		When aggregate slurry or jetting is allowed, is the bedding backfill from the bottom of the pipe to the haunch (springline) placed in uniform horizontal layers not exceeding 4 feet in depth?	2021 Standard Specifications 501-3.02 (B)(2) pg. 522
18.		Was a minimum of 95 percent compaction obtained in bedding material?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
19.		Was cement-treated slurry used for 36 inch or larger pipe from the bottom of the pipe to the springline when placed in a trench condition?	2021 Standard Specifications 501-3.02 (B)(1) pg. 521
20.		Was backfilling above the cement-treated slurry started, after 24 hours of the cement-treated slurry placement?	2021 Standard Specifications 501-3.02 (B)(3) pg. 522
21.		Did the bedding backfill below the haunch (springline) not result in the pipe being raised or moved laterally?	2021 Standard Specifications 501-3.02 (C)(1) pg. 522
22.		Was the pipe backfill below the haunch (springline) compacted in 6 inch maximum lifts to 95% of the maximum density?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
23.		When aggregate slurry or jetting is used, is the material below the haunch (springline) compacted prior to placement of material above the springline?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
24.		Was the pipe placed in conformance with the lines, grades, and dimensions shown on the plans?	2021 Standard Specifications 501-3.03 pg. 522
25.		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 2021 Standard Specifications 501-3.03 (A) pg. 523

26.		Where existing pipes are extended, the damaged portions of existing pipe ends are removed or repaired?	2021 Standard Specifications 501-3.03 (B)(1) pg. 525
27.		Has the ends of the helical corrugated metal pipe been re-rolled to circumferential corrugations to facilitate coupling and do the re-rolled ends extend a minimum of two corrugations from the end of the pipe?	2021 Standard Specifications 501-3.03 (B)(1) pg. 525
28.		When coupling bands with flat or O-ring gaskets are installed, are the bands installed with the gaskets in position and tightened to provide a good seal?	2021 Standard Specifications 501-3.03 (B)(1) pg. 525
29.		Do field joints for corrugated metal pipe provide strength to maintain alignment, prevent separation, prevent infiltration of side fill material, and prevent leakage?	2021 Standard Specifications 501-3.03 (B)(1) pg. 525
30.		Is the slope plating material for inlets an impervious, fine grained, cohesive material with at least 50 percent passing the No.4 sieve and a PI of at least 10, while being placed as shown on the plans?	2021 Standard Specifications 501-3.04 (A)(3) pg. 531
31.		**Pneumatic or Mechanical Tamping:** Was backfill materials placed in layers not greater than 8 inches prior to compaction?	2021 Standard Specifications 501-3.04 (B)(1) pg. 531
32.		Was the pipe backfill 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?	2021 Standard Specifications 501-3.04 (B)(1) pg. 531
33.		Was a minimum of 95 percent compaction obtained in backfill material?	2021 Standard Specifications 501-3.04 (C) pg. 532
34.		**At Final Acceptance:** were the pipes free of dirt and foreign material?	2021 Standard Specifications 501-3.03 (A) pg. 523
35.		Quantlist Minimum Frequency is being followed, one per week?	Construction Bulletin 07-01