Inspector Quantlist Report 20241223

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division V: Drainage Facilities
Title: Cast-In-Place Pipe

Pipe Run Number:	Route:
Start Station	End Station
Class:	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.		All approved work in confined spaces complies with OSHA and the contractor's approved safety plan?	2021 Standard Specifications 107.08 (B) pg. 100
2.		The Contractors Quality Control Administrator is using and submitting the Daily Observation Report?	2021 Standard Specifications 501-3.07 (A) pg. 533
3.		Is there an approved Trenching Plan for excavations of 4 feet or greater?	2021 Standard Specifications 107.08 (A) pg. 99
4.		There is an approved mix design: Concrete is a minimum of 3000 psi, Class S? If Concrete is not Class S, is it per plan / Special Provision?	2021 Standard Specifications 501-2.02 pg. 518 1006-1 pg. 1150
5.		The Maximum aggregate is 1" or less for pipes 48" or less, or 1-1/2" for pipes greater than 48"?	2021 Standard Specifications 501-2.02 pg. 518
6.		All equipment has been approved by the Engineer?	2021 Standard Specifications 501-3.07 (A) pg. 533
7.		Open excavations 4' 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) 99
8.		All trenching conforms to the approved trenching plan for excavations 4 feet deep or greater?	2021 Standard Specifications 107.08 (A) pg. 99
9.		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

10.		Were laser guided alignment instruments used to control the grade and alignment of the trench?	2021 Standard Specifications 501-3.07 (B) pg. 534
11.		Any departure from and return to the established grade for the finished trench did not exceed 1 inch per 10 linear feet, with a total departure not to exceed 1.5 inches?	2021 Standard Specifications 501-3.07 (B) pg. 534
12.		Any departure from and return to specified alignment for the trench did not exceed 2 inches per 10 linear feet, with a total departure not to exceed 4 inches?	2021 Standard Specifications 501-3.07 (B) pg. 534
13.		Has the bottom of the trench been shaped in accordance with the details shown on the project plans and prepared to provide full, firm and uniform support over the bottom 210 degrees of the pipe to be constructed?	2021 Standard Specifications 501-3.07 (B) pg. 534
14.		Does the length of an open trench not exceed 1600 feet unless approved by the Engineer?	2021Standard Specifications 501-3.07 (B) pg. 534
15.		Does the bottom of the trench consist of either undisturbed native soil or compacted backfill?	2021Standard Specifications 501-3.07 (B) pg. 534
16.		Was any soft, spongy, or unsuitable material removed and backfilled with material complying with the Standard Specifications and compacted to 95% of maximum density?	2021 Standard Specifications 501-3.04 (A)(1) pg.530 501-3.07 (B) pg. 534 501-3.07 (C) pg. 532
17.		Were boulders, bedrock, or rock ledges removed at least 6 inches from the pipe surface, then backfilled, compacted, and reshaped?	2021 Standard Specifications 501-3.07 (B) pg. 534
18.		At the time of concrete placement, were the surfaces in the trench which will be in contact with the pipe thoroughly moistened so that moisture will not be drawn from the freshly placed concrete?	2021 Standard Specifications 501-3.07 (C) pg. 535
19.		Did the contractor measure the pipe wall thickness at invert and crown on 25 foot intervals during placement, results are recorded on the daily observation form?	2021 Standard Specifications 501-3.07 (H) pg. 538
20.		Was the interior surface and exterior top surface of the pipe as smooth as a wood-float finish and essentially free of fractures, cracks and roughness?	2021 Standard Specifications 501-3.07 (D) pg. 536
21.		Were the pipes inspected for any rock pockets, voids, form indentations and any excessive form lap is repaired within 24 hours of form removal?	2021 Standard Specifications 501-3.07 (C) pg. 535
22.		Were construction joints placed when operations are likely to stop long enough for initial set of the concrete?	Standard Specifications 501-3.07 (C) pg. 535
23.		Were construction joints made by leaving the end rough with a slope of approximately 45 degrees and inserting 24-inch No. 4 dowels one foot into the center of the pipe wall at approximately 18-inch intervals?	2021 Standard Specifications 501-3.07 (C) pg. 535
24.		When collars are being used, did the contractor excavate along the sides and bottom of the construction joint to permit casting of a concrete collar around the outside of the joint?	2021 Standard Specifications 501-3.07 (C) pg. 535

25.		When collars are being used, is the collar a minimum thickness 1.25 times the pipe wall thickness and laps the entire joint by at least two times the wall thickness?	2021 Standard Specifications 501-3.07 (C) pg. 535
26.		Before resuming concrete placement, were construction joints cleaned of all latency, loose or defective concrete, coatings and other deleterious materials, and thoroughly wetted?	2021 Standard Specifications 501-3.07 (C) pg.535
27.		When the temperature is 100 degrees or less, did the contractor spray the pipe with a liquid membrane and was the procedure completed within 30 minutes?	2021 Standard Specifications 501-3.07 (E) pg. 536
28.		Did concrete curing start within 15 minutes after the pipe was cast? Was the pipe cured with a white opaque or clear polyethylene .0015 inch film when ambient temperature was greater than 100 degrees Fahrenheit?	2021 Standard Specifications 501-3.07 (E) pg. 536
29.		Are the openings in the pipeline covered and sealed and has the inside of the pipe been in a humid condition during the seven day curing period?	2021 Standard Specifications 501-3.07 (E) pg. 536
30.		Were the cores for sampling thickness filled with concrete in a manner satisfactory to the Engineer?	2021 Standard Specifications 501-3.07 (H) pg. 538
31.		Backfill did not start until the concrete had developed a compressive strength of at least 2,500 psi?	2021 Standard Specifications 501-3.07 (F) pg. 537
32.		Does all the backfill material for pipe and trench conform to Standard Specifications sections 501-3.04 (A)(1) and 501-3.04 (A)(2)?	2021 Standard Specifications 501-3.04 (A)(1) pg. 530 501-3.04 (A)(2) pg. 531 501-3.07 (F) pg. 537
33.		Do the backfill dimensional requirements conform to Construction Standard Drawing C-13.15?	Construction Standard Drawing C-13.15
34.		Were backfill materials placed in layers not greater than 8 inches prior to compaction by pneumatic or mechanical tamping devices?	2021 Standard Specifications 501-3.07 (F) pg. 537 501-3.04 (B)(1) pg. 531
35.		Is the compaction of backfill a minimum of 95%?	2021 Standard Specification 501-3.04 (C) Pg.532 501-3.07 (F) pg. 537
36.		Was the interior of the pipe free of dirt and debris at final acceptance?	2021 Standard Specifications 501-3.03 (A) pg. 523
37.		Is the Quantlist Minimum Frequency being followed, one per week?	Construction Bulletin 07-01