

Inspector Quantlist Report 20250127

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division V: Drainage Facilities

Title: Thermoplastic Pipe (CHDPEPP) & (CPEPP)

Location:	Plan Reference Number:
Begin Station:	End Station:
Offset:	Diameter:
Trench / Non-Trench:	

Attribute Numbers	Yes, No N/A	Narratives	References
0.		Have all stakeholders participated in the pre-activity meeting?	Construction Manual 108.04
1.		Have Certificates of Compliance been furnished in accordance with the requirements of Subsection 106.05?	2021 Standard Specifications 106.05 (B) pg. 90 1010-1 pg 1208
2.		Are the pipes included in the Approved Products List?	2021 Standard Specifications 106.14 pg. 94 Approved Products List: Section 501 pipe, 503 - Culverts and Drainage Structures
3.		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
4.		All trenching conforms to the approved trenching plan for excavations 5 feet deep or greater?	2021 Standard Specifications 501-1 pg. 518
5.		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
6.		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 and are they secured after normal working hours?	2021 Standard Specifications 107.08 (A) pg. 99
7.		Is special care being taken in the handling and installation of (CHDPEPP) and fittings and (CPEPP) and fittings? To prevent damage and to assure that proper line and pipe grade are maintained throughout the backfilling operation.	2021 Standard Specifications 501-3.03(G) pg. 529

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8.		Do (CHDPEPP), fittings, couplings and ends, conform to the requirements of AASHTO M 252 for pipe sizes less than 12 inches in diameter and AASHTO M 294 for pipe sizes 12 to 60 inches in diameter?	2021 Standard Specifications 1010-8 pg. 1217
9.		Do (CPEPP) and fittings for pipe sizes 12 to 60 inches in diameter conform to the requirements of AASHTO M 330 (Type C or S) and ASTM F2881?	2021 Standard Specifications 1010-8 pg. 1217
10.		Are water resistant joints watertight according to the requirements of ASTM D3212?	2021 Standard Specifications 1010-8 pg. 1217
11.		When water pressure tests are conducted at 2.0 pounds per square inch, the joint leakage does not exceed 200 gallons per inch of diameter per mile of pipe per day?	2021 Standard Specifications 1010-8 pg. 1217
12.		Is rock, hardpan, or unyielding materials on the bottom of the trench removed at least 12 inches and replaced with compacted structural backfill in 6 inch lifts?	2021 Standard Specifications 501-3.01 pg. 519
13.		Was the foundation prepared in accordance with specifications when soft, spongy or unstable soil conditions exist?	2021 Standard Specifications 501-3.01 pg. 519
14.		Do side slopes conform to current OSHA regulations and approved by the Engineer?	2021 Standard Specifications 501-3.07 (B) pg.534
15.		Does bedding material meet gradation, and the plasticity index (PI) does not exceed 8, and resistivity exceeds 2,000 ohm-centimeters (unless otherwise specified)?	2021 Standard Specifications 501-3.02 (A)(1) pg. 520
16.		Non-trench installation: Embankment was built up and compacted simultaneously with the bedding and backfill; or the embankment was constructed, and then trenched normally?	2021 Standard Specifications 501-3.01 pg. 519 Construction Standard Drawings C13.15 note 5
17.		Was the pipe and trench installed to lines, grades and dimensions shown on the project plans, Construction Standard Drawings (C-13.15) or specified by the Engineer?	2021 Standard Specifications 501-3.03 (A) pg. 523 Construction Standard Drawings C13.15
18.		Installing of the pipe has begun at the downstream end of the trench working upstream?	2021 Standard Specifications 501-3.03 (A) pg. 523
19.		Are bell or groove ends of pipes placed facing upstream (unless otherwise permitted by the Engineer)?	2021 Standard Specifications 501-3.03 (A) pg. 523
20.		Is the interior of the pipe free of dirt and foreign material as the work progresses?	2021 Standard Specifications 501-3.03 (A) pg. 524
21.		Were the pipes assembled and installed in accordance with the manufacturer's instructions?	2021 Standard Specifications 501-3.03 (G) pg. 529
22.		Was the standard aggregate bedding material placed in layers not to exceed 8 inches prior to compaction?	2021 Standard Specifications 501-3.02 (B)(2) pg. 522
23.		Was at least 95% compaction obtained in standard aggregate bedding material?	2021 Standard Specifications 501-3.02 (B)(2) pg. 522

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24.		If aggregate slurry or jetting is used, is the material below the springline compacted to a minimum of 95% prior to placement?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
25.		Was jetting done in a manner that water will not be impounded and is supplemented by the use of vibratory or other compaction equipment?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
26.		Did the jetting use the least amount of water to properly consolidate the material and move it under the pipe to eliminate voids?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
27.		Was the jetting probe inserted in material, and reached the material under the pipe?	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
28.		When jetting, was the water pressure at a minimum of 30 pounds per square inch inserted at uniformly spaced intervals on both sides of the pipe? (a maximum spacing of three feet).	2021 Standard Specifications 501-3.02 (C)(2) pg. 522
29.		When using aggregate slurry, one sack of cement was added to each cubic yard of aggregate, along with being thoroughly mixed in a mixer or at a central batch plant and a slump of 8 to 11 inches?	2021 Standard Specifications 501-3.02 (A)(3) pg. 521
30.		On a pipe size of 36 inches or larger, cement-treated slurry was used as bedding material from the bottom of the pipe to springline?	2021 Standard Specifications 501-3.02 (B)(1) pg. 521
31.		Backfill materials were placed in layers that did not exceed 8 inches prior to compaction?	2021 Standard Specifications 501-3.04 (B)(1) pg. 531
32.		A minimum of 95% compaction of the maximum density was obtained on the backfill material?	2021 Standard Specifications 501-3.04 (C) pg. 532
33.		Adequate compaction was achieved underneath the pipe haunch?	2021 Standard Specifications 501-3.02 (B)(1) pg. 521 501-3.02 (C)(1) pg. 522
34.		The pipe was coupled with the gaskets in position and the pipe fully inserted to provide a good seal?	2021 Standard Specifications 1010-8 pg. 1217
35.		Is the slope plating at the inlet an impervious material according to the Specification?	2021 Standard Specifications 501-3.04 (A)(3) pg. 531
36.		When end sections are called for, the Contractor has used metal safety end sections unless otherwise specified (plan sheet details)?	2021 Standard Specifications 501-3.03 (G) pg. 529
37.		Tracer wire or tape for magnetic detection shall be placed in accordance with the requirements of Subsection 104.15 of the specifications.	2021 Standard Specifications 104.15 (A) pg. 61 501-3.03 (G) pg. 529
38.		Quantlist Minimum Frequency is being followed, one per week?	Construction Bulletin 07-01