

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

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

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

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

**Division V: Drainage Facilities**  
**Title: Plastic Pipe (CHDPEPP)**

Location
Station
Offset
Plan Reference Number
Pipe Size
Trench / Non-Trench

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.		Certificates of Compliance were furnished in accordance with the requirements of Subsection 106.05.	Standard Specifications 1010-1
2.		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).	OSHA's Subpart P 29 CFR 1926.650 – 652 OSHA's Subpart S 29 CFR 1926.800 Standard Specifications 107.08 Standard Specifications 501-1
3.		Trenching conforms to the approved trenching plan for excavations 5 foot deep or greater.	Standard Specifications 107.08 Standard Specifications 501-1
4.		Areas are Blued Staked prior to beginning work.	Standard Specifications 107.15
5.		The Contractor's Competent Person (Safety Supervisor) has inspected all open trenches before work is started or resumed.	OSHA's section 1926.650 (b) Standard Specifications 107.08
6.		The pipe was unloaded with reasonable care.	Standard Specifications 501-3.03 (A)

7.		Rock, hardpan, unyielding, soft, or spongy materials on the bottom of the trench are removed at least 12 inch and replaced with compacted structural backfill in 6 inch lifts.	Standard Specifications 501-3.01
8.		Open 4 foot 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.		Corrugated high density polyethylene plastic pipe, fittings, couplings and ends, where specified, 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 48 inches in diameter.	AASHTO M 252 AASHTO M 294 Standard Specifications 1010-8
10.		The pipe is included in the Approved Products List.	Approved Products List: Category F - Culverts and Drainage Structures  Standard Specifications 106.14
11.		The foundation was prepared in accordance with specifications when unyielding or unstable soil conditions exist.	Standard Specifications 501-3.01
12.		Side slopes conform to current OSHA regulations and are approved by the Engineer.	Standard Specifications 501-3.07 (B)
13.		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)
14.		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
15.		Pipe and or trench were installed to lines, grades and dimensions shown on the project plans, Construction Standard Drawings (C-13.15) or specified by the Engineer.	Construction Standard Drawings C13.15  Standard Specifications 501-3.03 (A)
16.		Special care shall be taken in the handling and installation of corrugated high density polyethylene plastic pipe and fittings to prevent damage and to assure that proper line and pipe grade are maintained throughout the backfilling operation.	Standard Specifications 501-3.03 (G)
17.		Installing of the pipe shall begin at the downstream end of trench working upstream. Bell or groove ends of pipes shall be placed facing upstream (unless otherwise permitted by the Engineer).	Standard Specifications 501-3.03 (A)
18.		Bedding and backfill dimension requirements conform to the standard drawing.	Standard Drawing C-13.15
19.		The interior of all pipes shall be free of dirt and foreign material as the work progresses and all pipes shall be left clean at the time of final acceptance.	Standard Specifications 501-3.03 (A)
20.		CHDPEPP was assembled and installed in accordance with the manufacturer's instructions.	Standard Specifications 501-3.03 (G)
21.		Standard aggregate bedding materials were placed in layers not to exceed 8 inches prior to compaction.	Standard Specifications 501-3.02 (B)(2)

22.		95% compaction was obtained in standard aggregate bedding material.	Standard Specifications 501-3.02 (B)(2)
23.		When aggregate slurry or jetting is used, the material below the springline is compacted prior to placement of material above the springline.	Standard Specifications 501-3.02 (C)(2)
24.		Jetting is done in a manner that water will not be impounded; is supplemented by the use of vibratory or other compaction equipment; uses least amount of water that will properly consolidate the material and move the material under the pipe to eliminate voids; probe is inserted in material, and will reach the material under the pipe; Water pressure at a minimum of 30 pounds per square inch is inserted at uniformly spaced intervals on both sides of the pipe (a maximum spacing of three feet).	Standard Specifications 501-3.02 (C)(2)
25.		One sack of cement is added to each cubic yard of aggregate along with being thoroughly mixed in a mixer or at a central batch plant as approved by the Engineer and will have a slump of 8 to 11 inches.	Standard Specifications 501-3.02 (A)(3)
26.		Cement-treated slurry bedding material shall not require additional compaction after placement up to pipe springline if it meets the material requirements of Subsection 501-3.02(A) and is placed as outlined in Subsection 501-3.02(B). Engineer may require the use of vibrators with cement-treated slurry bedding if the fluidity of the mixture is not sufficient to fill all voids.	Standard Specifications 501-3.02 (C)(3)
27.		Pipe size of 36 inches or larger, cement-treated slurry is used as bedding material from the bottom of the pipe to springline. Pipe size less than 36 inches in diameter, cement-treated slurry may be substituted for standard aggregate bedding material from the bottom of the pipe to springline.	Standard Specifications 501-3.02 (B)(1)
28.		Backfill materials were placed in layers not to exceed 8 inches prior to compaction.	Standard Specifications 501-3.04 (B)(1)
29.		A minimum of 95% compaction was obtained in the backfill.	Standard Specifications 501-3.04 (C)
30.		Adequate compaction was achieved underneath the pipe haunch.	Standard Specifications 501-3.02 (B)(1) Standard Specifications 501-3.02 (C)(1)
31.		The pipe was coupled with the gaskets in position and the pipe fully inserted to provide a good seal.	Standard Specifications 1010-8
32.		The slope plating at the inlet is an impervious material.	Standard Specifications 501-3.04 (A)(3)
33.		When end sections are called for, the Contractor has used metal safety end sections unless otherwise specified (plan sheet details).	Standard Specifications 501-3.03 (G)
34.		A six- by eighteen-inch Magnetic tape is placed in the trench at the crown of each length of installed pipe.	Standard Specifications 501-3.03 (G)
35.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01