

## **Appendix G – Connecticut Test Procedures**

### **Field Inspection of Metal and Aluminum Pipe and Pipe Arches**

The following will be checked:

1. Overall size and length
2. Condition of material, checking for damage due to shipping and handling
3. Condition of coating (if applicable)
4. Measurement of coating thickness (if applicable)
5. Storage of material so that it is not damaged by nearby construction activity or by the weight of material(s) stored above it.
6. Any markings on the material should be documented.

### ***Coarse and fine aggregate used in PC Concrete***

Test shall include:

1. Gradation: AASHTO T 27
2. Soundness: AASHTO T 104 (using a solution of magnesium sulfate)
3. Loss of Abrasion: AASHTO T 96
4. Unit weight of coarse aggregate: AASHTO T 19
5. Flat and elongated pieces – Coarse aggregate of a size retained on 25 mm square opening sieve should be measured to determine the percent of pieces whose longest dimension exceeds five times their maximum thickness.
6. Material finer than 75  $\mu$ m sieve or dust: AASHTO T 11
7. Organic impurities in fine aggregate – AASHTO T 21. If colorimetric test produces a color darker than Gardner Color Standard No. 11, then aggregate shall be tested in accordance with AASHTO T 71.

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