Print Form

PROJECT ENGINEER'S CHECK LIST FOR FINAL FIELD INSPECTION OF CORRUGATED METAL PIPE

Copies
Division Engineer
Project Engineer

Project Number: _____
County: _____
Division: _____
Date: _____

Instructions

The purpose of this form is to call your attention to necessary items of inspection with convenient places for you to check prior to accepting an order of pipe for installation on the project.

Make inspection for each load as soon as the pipe arrives on the project and in all cases before it is laid. If there is any question about any feature checked, consult your Division Engineer.

This form is written to cover a broad variety of pipe. Therefore, all blanks may not fit your situation. Only check those which apply to your pipe.

Description

Metal Manufacturer _____
Fabricator of Pipe _____

Base Metal		Coating		Fabrication		Type	
Steel	☐	None	☐	Helical Weld	☐	I Culvert, Circular	☐
Aluminum	☐	Bituminous	☐	Lock Seam	☐	IA Sewer, Circular	☐
		Polymeric	☐			II Culvert, Arched	☐
		Paved Invert	☐			III Underdrain Pipe	☐

A. Lock Seam Pipe

1. 1.Seam

☐ Lap size 5/32 (5 mm) min. for pipe up to 10 in. (250 mm) diameter.
☐ Lap size 5/16 (8 mm)min. for pipe over 10 in. (250 mm)diameter.
☐ Lap tight contact along seam.

B. Pipe Coupling

1. Bands to be of sufficient width to engage 2 corrugations on each length of pipe.

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C. Consult Drawing for Requirements.

1. Corrugations

☐ 2-2/3in. x ½ "(68 mm x 13 mm) ☐ 3" x 1" (75 mm x 25 mm) ☐ Other _____

2. Elongated: yes ☐ no ☐

Strutted: shop ☐ field ☐

3. Diameter shall not vary more than 1% or ½" (13 mm), whichever is greater.

Heat #	Diameter	LIN. ft (m)

4. Thickness of metal (gauge).

_____ .040" (1.02 mm)
_____ .052" (1.32 mm)
_____ .064" (1.63 mm)
_____ .079" (2.01 mm)
_____ .109" (2.77 mm)
_____ .138" (3.51 mm)
_____ .168"(4.27 mm)

D. Bituminous Coating

1. Thickness of Coating

☐ Spec. 0.05" (1.5 mm) min. measured on crests of the corrugations.

2. Paved Invert

☐ Smooth pavement filling corrugations for at least 25% of periphery of full circle pipe and 40% of the opening of arch pipe.

3. Thickness of Coating of Paved Invert

☐ Spec. min. 1/8" (3 mm) above crest of corrugation.

4. Thickness of Coating of Smooth Flow

☐ All corrugations filled to 1/8" (3 mm) above crest of corrugations to comply with minimum specifications.

E. Polymeric Coating

☐ 0.05”(1 mm) thick coating on inner surface with thinner coating on outside.

F. General Requirements

1. Net Length

☐ Spec. avg. deficiency is greater than 1% - Shipment rejected.

2. Workmanship

☐ Even laps.

☐ No elliptical shape in pipe intended to be round.

☐ No variation from straight center line.

☐ No ragged or diagonal sheared edges.

☐ No unfinished ends.

☐ No illegible brand.

☐ No bruised, scaled, or broken spelter coating.

☐ No dents or bends in the metal itself.

3. Each length of pipe will have duct tape placed over 1 section, covering Heat Number and Decimal Thickness, if coated with asphalt.

4. Is a copy of the Metal Manufacturer's Analysis attached?

Yes ☐ No ☐

If coated, is a copy of the Asphalt Manufacturer's Analysis attached?

Yes ☐ No ☐

If No, then they should be obtained before paying for material.

Signed _____ Approved _____

Inspector Project Engineer