



NOTES

- 1- **MATERIAL:** Armco Slotted Drain consisting of welded Hel-Cor pipe and fabricated steel grate assembly.
 - (a) Pipe—12" diameter, 14 gage, meets applicable portions of AASHTO Designation M-36. Available in 20' lengths.
 - (b) Grate—Welded structural steel to form slot width of 1 3/4" and slot height of 6" with 3/16" web spacers on 6" centers for full depth of slot. Hot-Dip Galvanized per ASTM Designation A-123. Grate assembly extends to within 1" of each end of pipe.
 - (c) Joints & Couplers—Hugger type band trimmed to butt against grating with single 1/2" diameter carriage bolt and nut.
- 2- **INSTALLATION:** Place in trench contoured to diameter of pipe with invert of pipe 18" below top of black top. Backfill with coarse grade black top as necessary to provide uniform foundation and side support. Ends of pipe to meet drainage system each side of highway or adjacent to track.
- 3- **BLACK TOPPING:** 4" black top is to consist of 2" of coarse grade black top properly rolled and 2" of surface grade black top properly rolled over the entire area.
- 4- **BLACK TOP HIGHWAY GRADE CROSSINGS:** See Conrail Plan 70123-(1) for details of crossing area.
- 5- **USE:** Slotted drain is to be used only with Black Top Highway Grade Crossings in unpaved roads where grade slopes down toward track. Purpose is to avoid debris from washing into track area from roadway.
- 6- **ORDERING:**
 - (a) Pipe, Corrugated Steel, Slotted Drain, 12" Dia., 14 Gage, 20 Ft. Lengths. Reference Number: 03-364977
 - (b) Coupler Band, complete with 1/2" Dia. Carriage Bolt and Nut for use with 12" Dia., 14 Gage, Corrugated, Slotted Drain Pipe. Reference Number: 03-255021

CONRAIL 70125-A

STANDARD

SLOTTED DRAIN FOR USE WITH BLACK TOP HIGHWAY GRADE CROSSINGS IN UNPAVED ROADS WHERE GRADE SLOPES DOWN TO TRACK

AUGUST, 1984
 Chief Engineer—M.W. Chief Engineering Officer