

Inline Water Control Structure Installation Instructions

1. EXCAVATION AND GRADING

The structure base, the inlet pipe, and the outlet pipe must be set on firm, flat surfaces of compacted soil or fill sand to provide a solid, stable base. This will prevent settling and reduce stress or misalignment of pipe connections.

2. PIPE CONNECTION

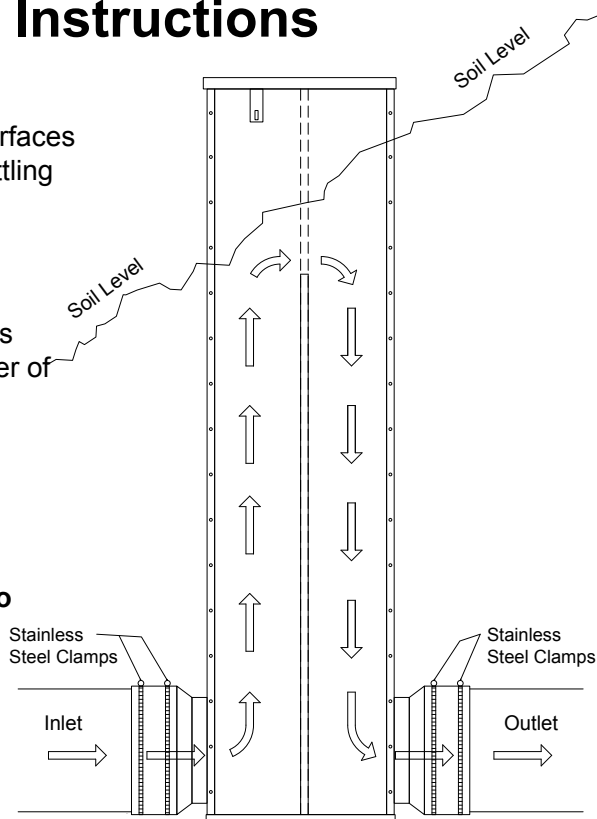
Remove black tape from both inlet and outlet flex couplers exposing the stainless steel clamps. The flex couplers must be placed directly over the outside diameter of the pipes; then secured by tightening the stainless steel clamps as shown in the illustration.

3. BACK FILL AND COMPACTION

Level the structure vertically before placing backfill. Backfill around the control structure by hand in 6" lifts. Hand tamp only - **do not** mechanically compact. **Do not** use a backhoe or blade to place backfill directly against the water control structure.

Excessive compaction may cause structural damage or failure.

- Either the inlet or inline structure may be used for primary or secondary outlet with larger pipe or emergency spillway as primary.
- Inline structure removes sub-surface water.
- On the inline installation, the inlet end of the pipe should be held off the bottom of the impoundment to allow for siltation and be protected with an inlet guard. The outlet end should be protected with a rodent guard.
- In a controlled drainage or sub-surface irrigation application, the structure nearest the outlet should be installed with a minimum of 20' of non-perforated pipe on the down stream end. Anti seep collars are recommended.



**1462 340th street
Adair, Iowa 50002
Phone: 800-232-4742
Fax: 800-282-3353
Web site: www.agridrain.com
E-mail: info@agridrain.com**

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