

ITEM 604.0451 03M - INLINE WATER LEVEL CONTROL STRUCTURE

DESCRIPTION

This work shall consist of furnishing and installing Inline Water Level Control Structure in accordance with the contract documents and as directed by the Engineer.

MATERIALS

The Inline Water Level Control Structure shall be constructed of 50mm thick extruded PVC sheets, connected at the corners by means of specially extruded anodized aluminum profiles sealed with waterproof caulking and secured with stainless steel screws. The Structure shall have a heavy steel lockable top with 127mm and 178mm stoplogs. The Structure shall be 2.4 m in height and fit a 600 mm pipe. The structure shall be as manufactured by Agri Drain Corporation, P.O. Box 458, 1462 340th Street, Adair, Iowa 50002 or approved equal.

The structure shall also have a 600 mm mild steel-zinc coated Rat Guard for the outlet as manufactured by Agri Drain, model number RG24 and a 600 mm steel standard grate for the inlet as manufactured by Agri Drain, model number GR24P or approved equal.

CONSTRUCTION DETAILS

The Inline Water Control Structure shall be installed at locations as shown in the contract documents or as directed by the Engineer. The manufacturer's instructions for installation shall be followed and as approved by the Engineer. The structure shall be connected to 600mm Corrugated Polyethylene Culvert Pipe and all adjustments to the stoplogs shall be made by the contractor in conjunction with the Engineer.

METHOD OF MEASUREMENT

This work will be measured as the number of Inline Water Level Control Structures satisfactorily furnished and installed with one Rat Guard for the outlet and one Standard grate for the inlet of each structure.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.