

**NATURAL RESOURCES CONSERVATION SERVICE
Wyoming
CONSTRUCTION SPECIFICATIONS
FOR
IRRIGATION SYSTEM, TAILWATER RECOVERY**

(Owner/Operator)

(Project/Title)

GENERAL

Irrigation tailwater systems shall be installed in accordance with a design and plan approved by the responsible technician. Details of construction shown in the design and plan but not included herein shall be considered as a part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

PIPELINES

The pipeline materials and installation shall meet the requirements of the applicable Wyoming Construction Specification for Irrigation Pipelines for the respective pipe material or materials specified.

Valves, fittings, vents, etc., shall be of suitable size, type and capacity to provide efficient operation and keep pressures in the system within allowable working limits. An inline check valve, chemigation valve, or other anti-pollution device shall be installed on tailwater systems in which any fertilizer, pesticide or animal waste is injected into the system.

PUMP AND POWER UNIT

The pump or combination of pumps shall be capable of delivering the water capacity at the total dynamic head as specified on the drawings. The power unit shall be capable of operating the pump at maximum capacity and head without being in an overload condition. The pump and power unit shall be in accordance with manufacturer's recommendations.

All electrical wiring and equipment shall be in accordance with the current standards of the National Electrical Manufacturers Association (NEMA), the Underwriters Laboratory, Inc. (UL), and the State of Wyoming regulations.

PUMPING PLANT

The pumping plant as specified on the drawings shall meet the requirements of Wyoming Construction Specification WY-533, Pumping Plant for Water Control.

TESTING

The system shall be given an operational test. This test shall consist of normal start-stop and running operations. All of the system components shall operate without difficulty. Leakage or defects caused by poor materials or workmanship shall be corrected by the Contractor.

ADDITIONAL SPECIFICATIONS