

DH152/DR152

General Features

The DH152 or DR152 grinder pump station is a complete unit that includes: two grinder pumps with check valves, HDPE (high density polyethylene) tank and controls. The DH152 or DR152 is packaged into a single complete unit, ready for installation.

The DH152 is the “hardwired,” or “wired,” model where a cable connects the motor controls to the level controls through watertight penetrations.

The DR152 is the “radio frequency identification” (RFID), or “wireless,” model that uses wireless technology to communicate between the level controls and the motor controls.

All solids are ground into fine particles, allowing them to pass easily through the pump, check valve and small-diameter pipelines. Even objects that are not normally found in sewage, such as plastic, rubber, fiber, wood, etc., are ground into fine particles.

The 1 1/4-inch discharge connection is adaptable to any piping materials, thereby allowing it to meet local code requirements.

The tank is made of tough corrosion-resistant HDPE. The optimum tank capacity of 150 gallons (568 liters) is based on computer studies of water usage patterns. A single DH152 or DR152 is ideal for up to four average, single-family homes, and can also be used for up to 12 average, single-family homes with the consent of the factory. This model can accommodate flows of 3000 GPD (11,356 lpd).

The internal check valve assembly, located in each grinder pump, is

custom-designed for non-clog, trouble-free operation.

The grinder pump is automatically activated and runs infrequently for very short periods. The annual energy consumption is typically that of a 40-watt light bulb.

Units are available for indoor and outdoor installations. Outdoor units are designed to accommodate a wide range of burial depths.

Operational Information

Motor

1 hp, 1,725 rpm, high torque, capacitor start, thermally protected, 120/240V, 60 Hz, 1 phase

Inlet Connections

4-inch inlet grommet standard for DWV pipe. Other inlet configurations available from the factory.

Discharge Connections

Pump discharge terminates in 1 1/4-inch NPT female thread. Can easily be adapted to 1 1/4-inch PVC pipe or any other material required by local codes.

Discharge*

15 gpm at 0 psig (.75 lps at 0 m TDH)

11 gpm at 40 psig (.63 lps at 20 m TDH)

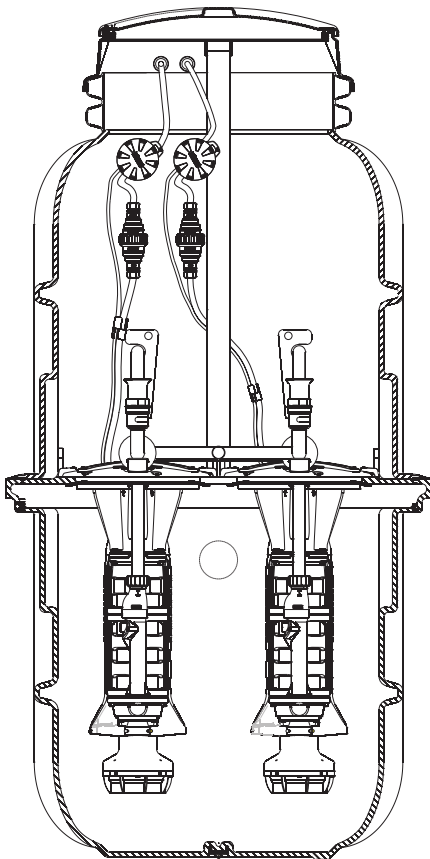
7.8 gpm at 80 psig (.47 lps at 42 m TDH)

Control Panel

This station is designed to use the Alternating Control Panel, MOD T260.

Overload Capacity

The maximum pressure that the pump can generate is limited by the motor characteristics. The motor generates a pressure well below the rating of the piping and appurtenances. The automatic reset feature does not require manual operation following overload.



Patent Numbers: 5,752,315
5,562,254 5,439,180

* Discharge data includes loss through check valve, which is minimal.

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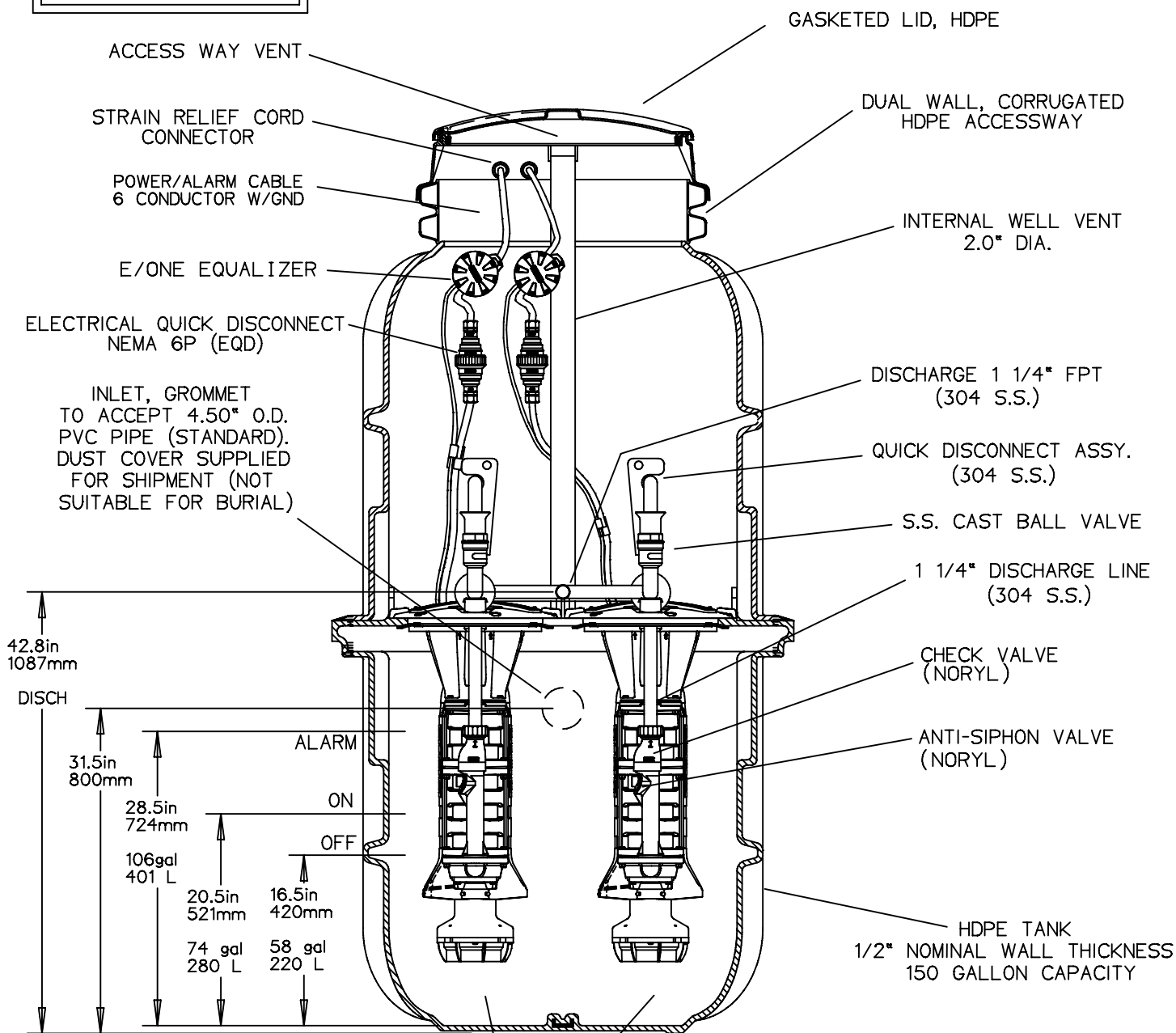
OPTIONS : **DH152**

(HARD WIRED
LEVEL CONTROLS)

DR152

(WIRELESS
LEVEL CONTROLS)

FIELD JOINT REQUIRED
FOR MODELS



SEMI-POSITIVE DISPLACEMENT TYPE PUMP
EACH DIRECTLY DRIVEN BY A 1 HP MOTOR

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS



AD	CH	10/20/10	C	
DR BY	CHK'D	DATE	ISSUE	SCALE

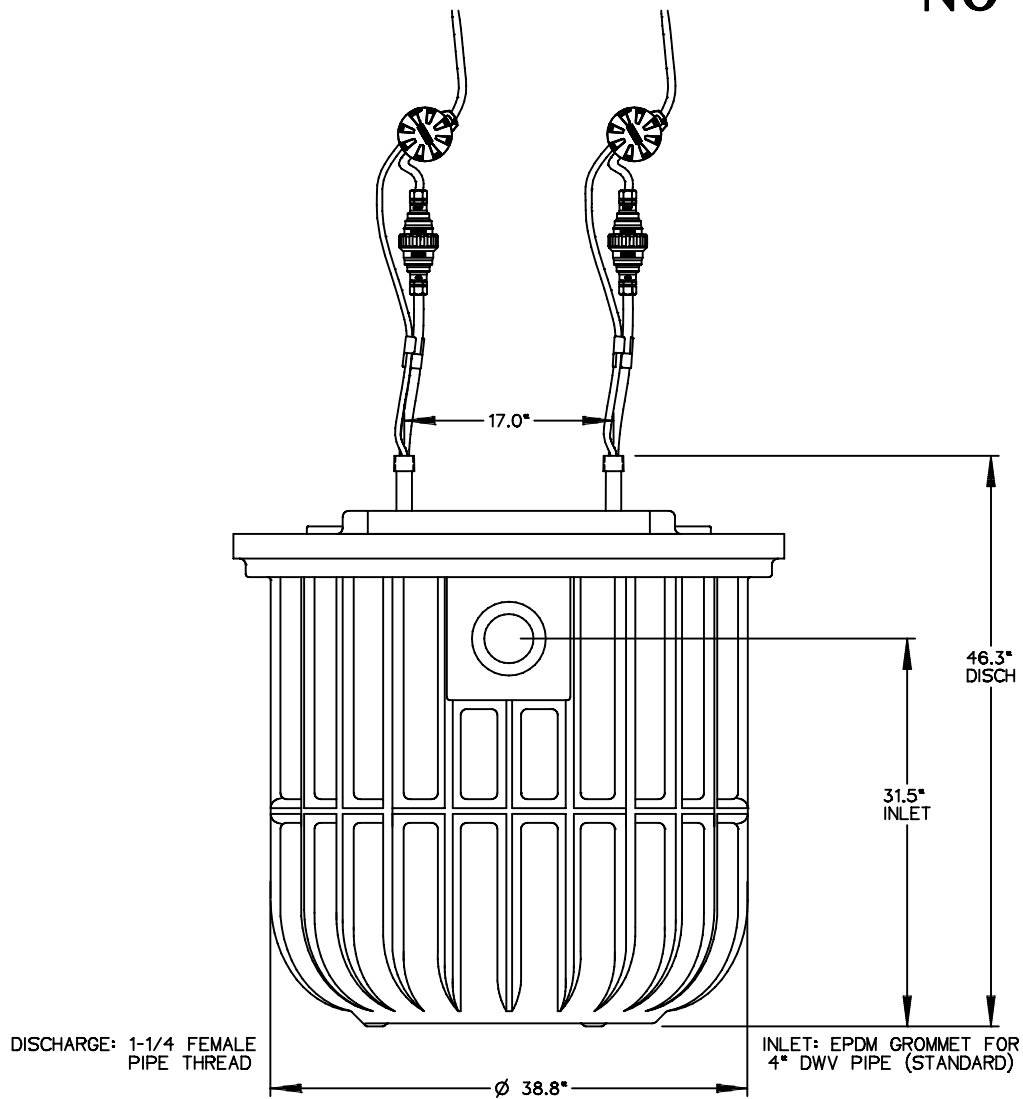


MODEL DH152 / DR152
DETAIL SHEET

NA0052P02

DH152-38

NO BAFFLE



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MODEL DH152-38, NO BAFFLE

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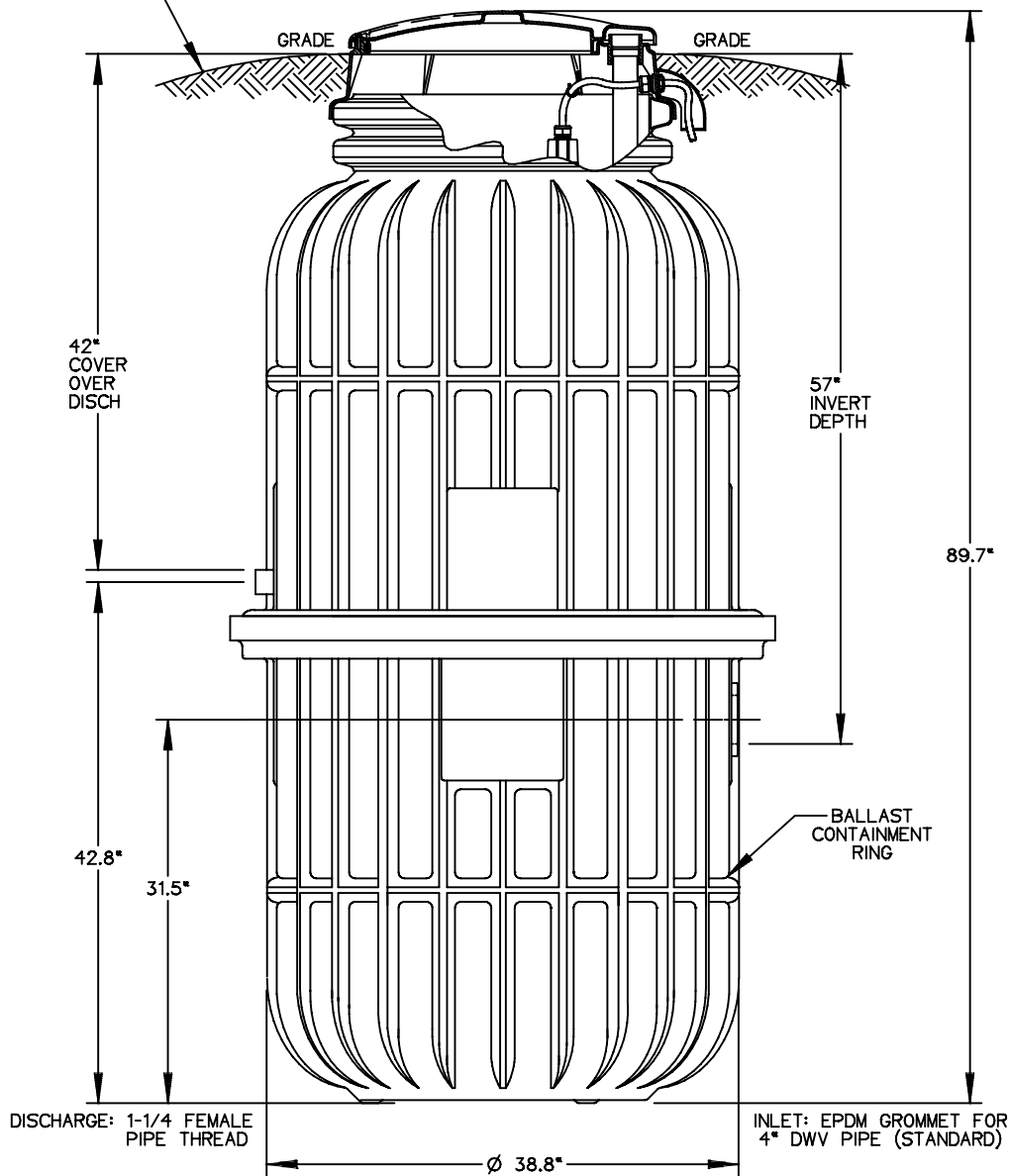
OPTIONS : **DH152 -93**

(HARD WIRED
LEVEL CONTROLS)

DR152 -93

(WIRELESS
LEVEL CONTROLS)

GRADE MUST
SLOPE AWAY FROM
STATION



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS



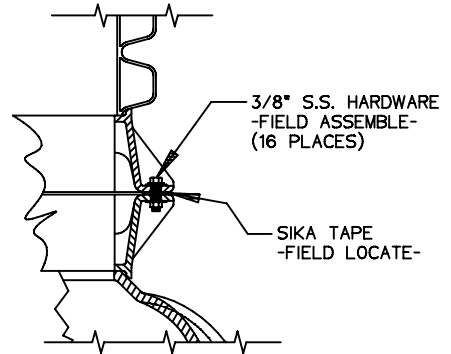
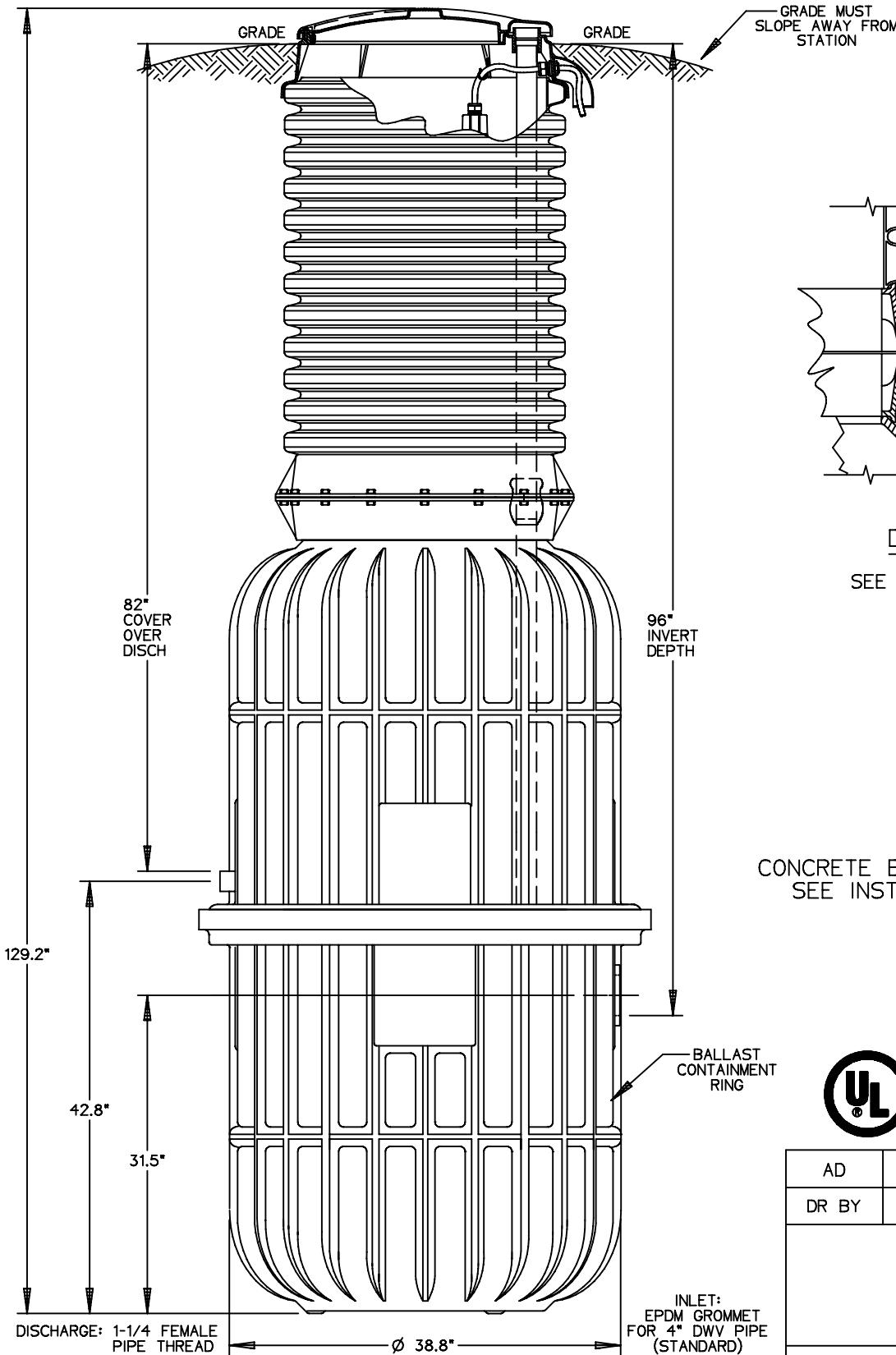
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MODEL DH152-93 / DR152-93

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OPTIONS : **DH152 -129** (HARD WIRED LEVEL CONTROLS)
 DR152 -129 (WIRELESS LEVEL CONTROLS)



DETAIL, FIELD JOINT

SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS



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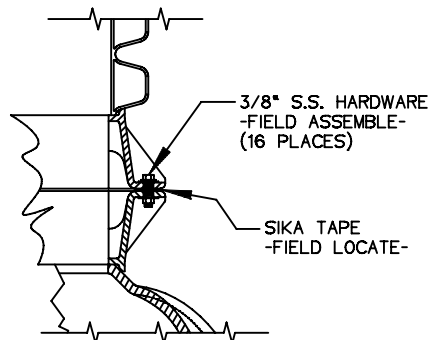
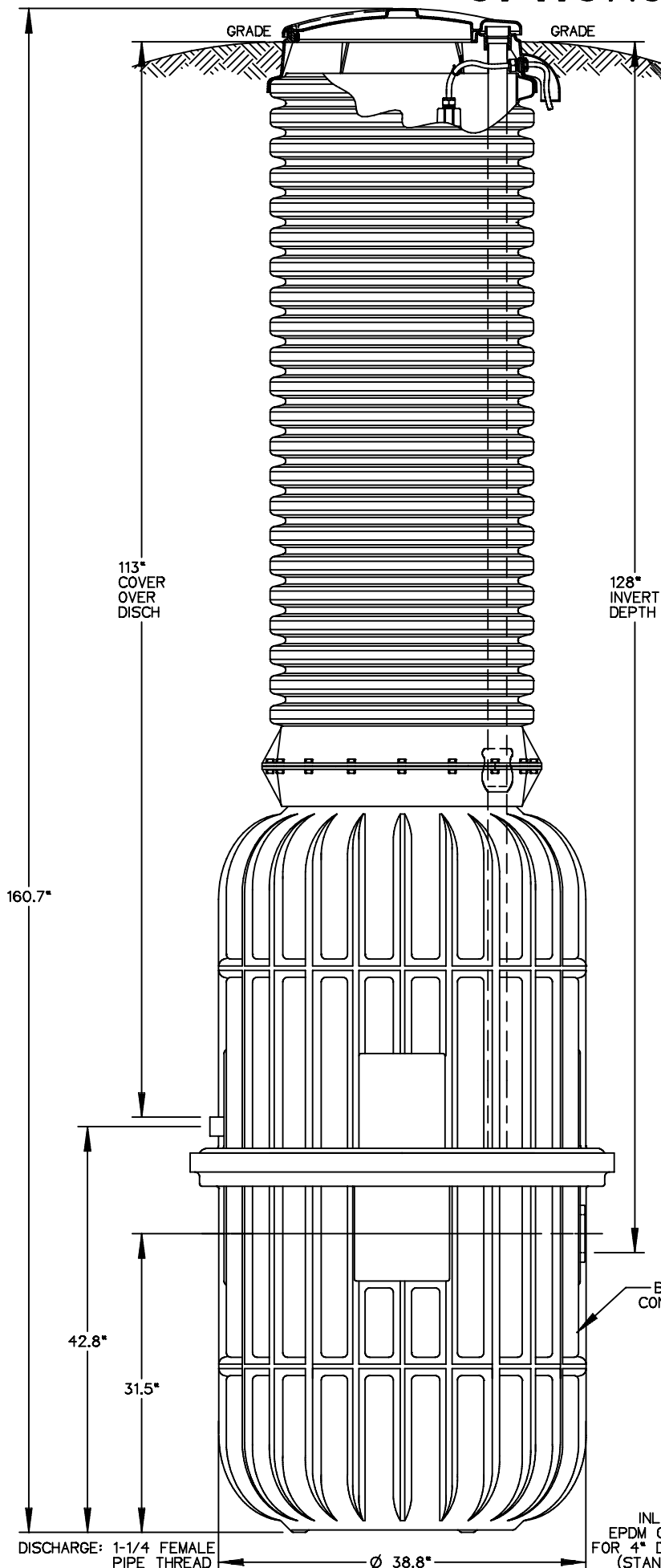
MODEL DH152-129 / DR152-129

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OPTIONS : **DH152 -160** (HARD WIRED LEVEL CONTROLS)

DR152 -160 (WIRELESS LEVEL CONTROLS)

GRADE MUST SLOPE AWAY FROM STATION



DETAIL, FIELD JOINT
SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS



AD	CAH	7/13/07	A	1/16
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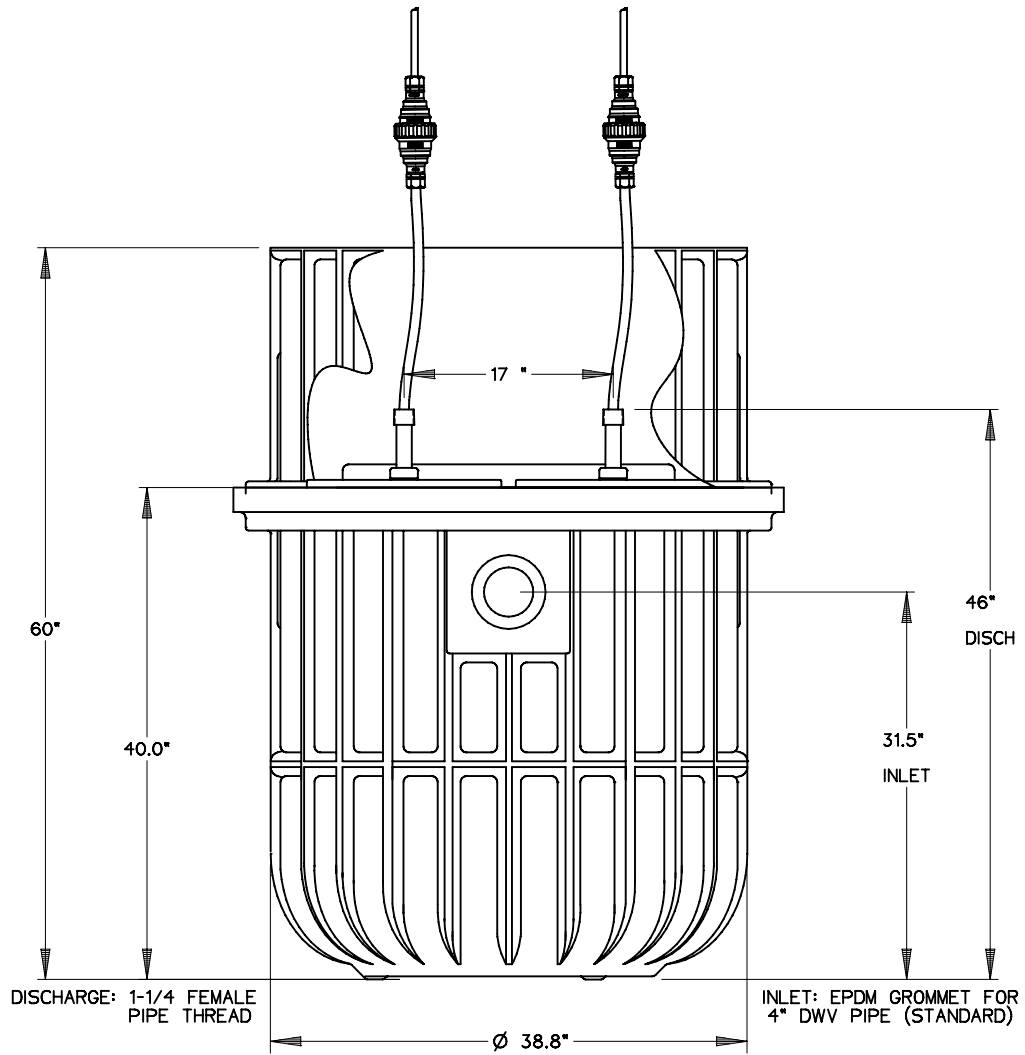
MODEL DH152-160 / DR152-160

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DH152-57

BUILDERS MODEL

STRAIGHT DISCHARGE



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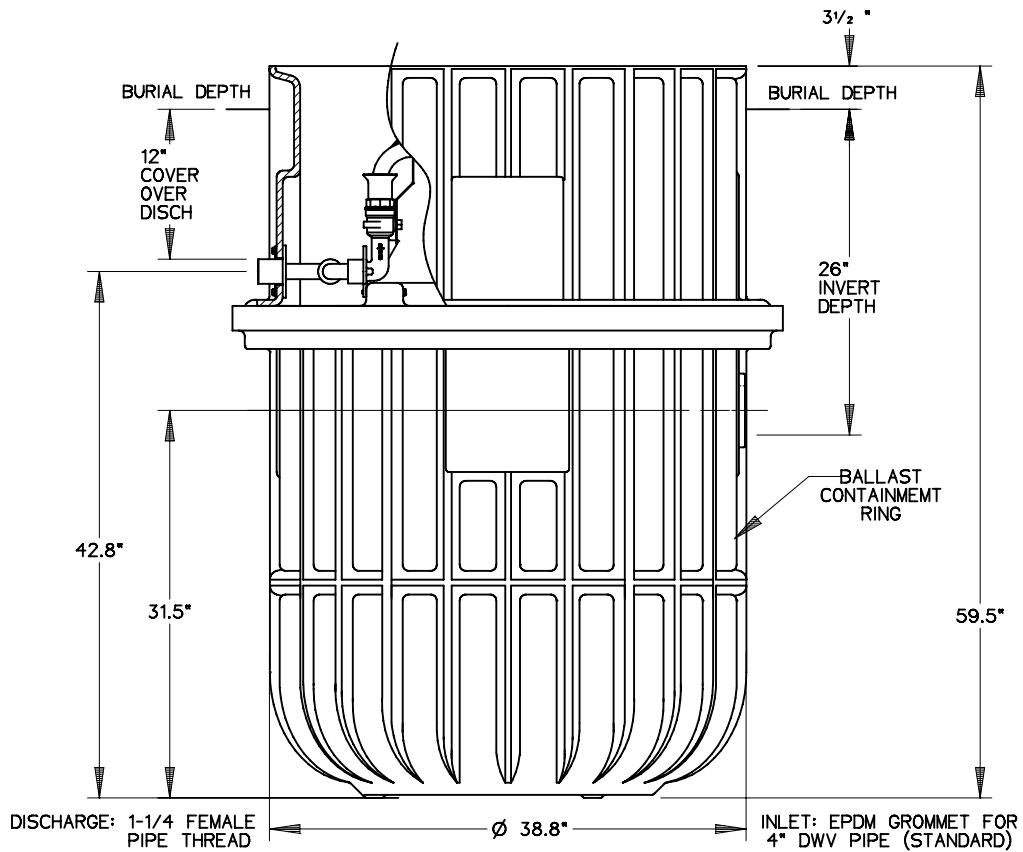
MODEL DH152-57
BUILDERS

NA0052P07

DH152-57

BUILDERS MODEL

DISCHARGE VALVE



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DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DH152-57
BUILDERS

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