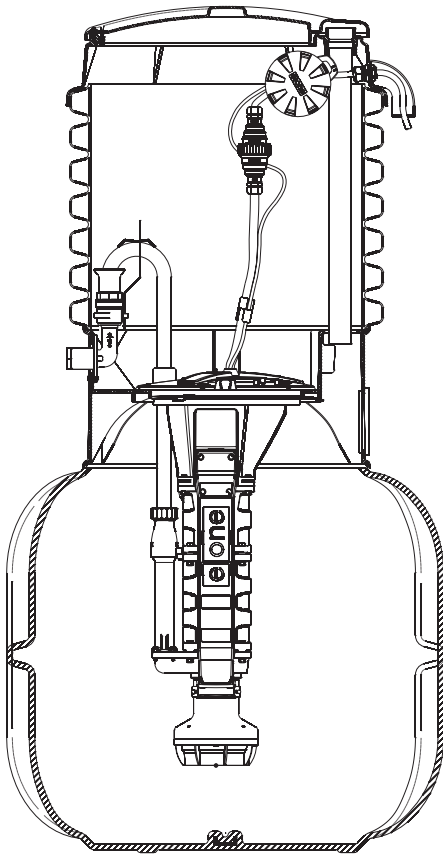


DH151/DR151



General Features

The DH151 or DR151 grinder pump station is a complete unit that includes: the grinder pump, check valve, HDPE (high density polyethylene) tank and controls. The DH151 or DR151 is packaged into a single complete unit, ready for installation.

The DH151 is the “hardwired,” or “wired,” model where a cable connects the motor controls to the level controls through watertight penetrations.

The DR151 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 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 us 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 DH151 or DR151 is ideal for up to two average, single-family homes and can also be used for up to six average single-family homes where codes allow and with the consent of the factory. This model can accommodate flows of 1500 GPD (5678 lpd).

The internal check valve assembly, located in the 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.

Operation 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)

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.

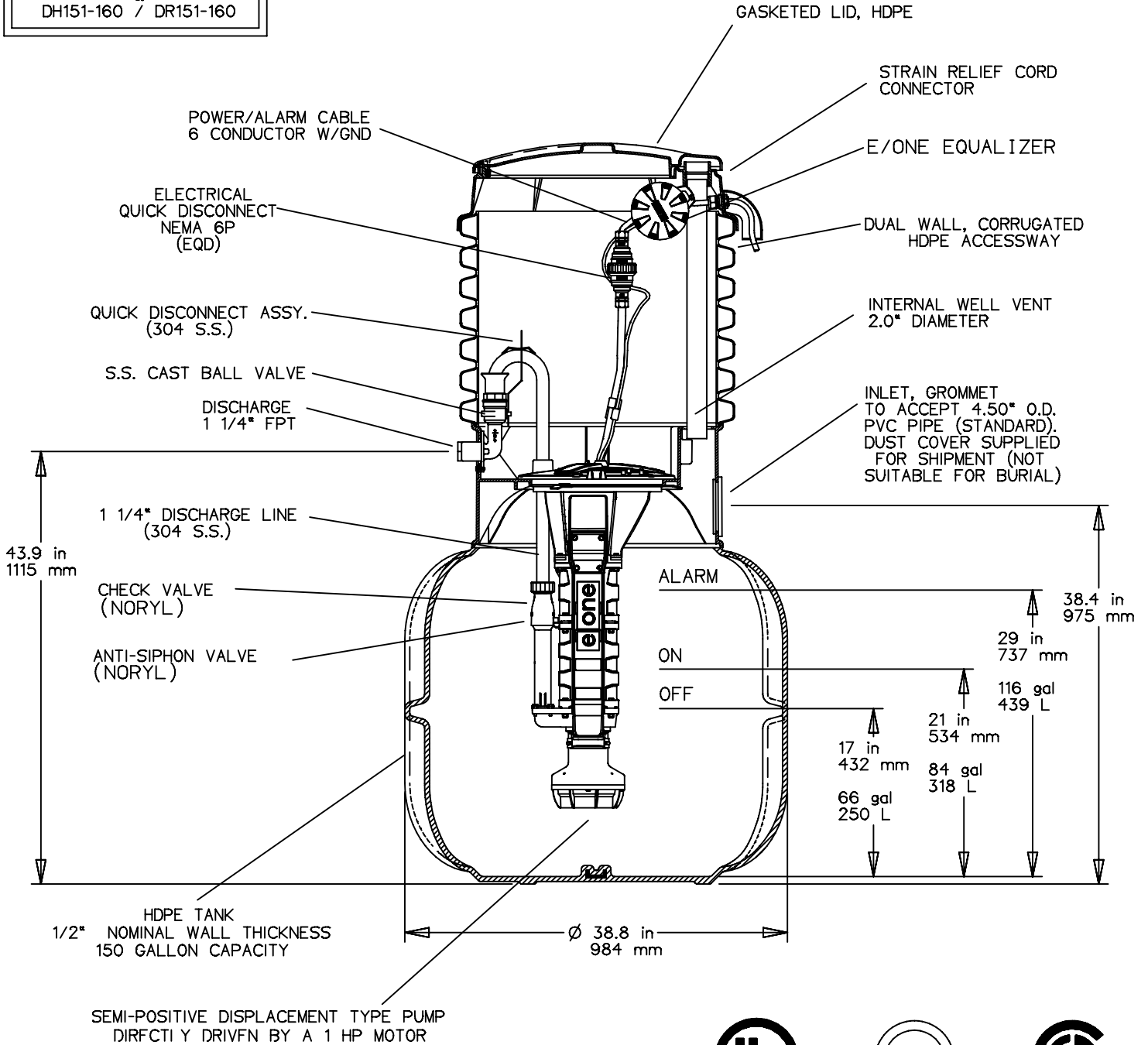
Patent Numbers: 5,752,315
5,562,254 5,439,180

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

NA0051P01 Rev A

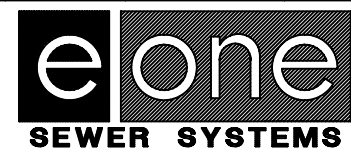
FIELD JOINT REQUIRED
FOR MODELS
DH151-129 / DR151-129
&
DH151-160 / DR151-160

OPTIONS : **DH151** (HARD WIRED LEVEL CONTROLS)
 DR151 (WIRELESS LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS

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

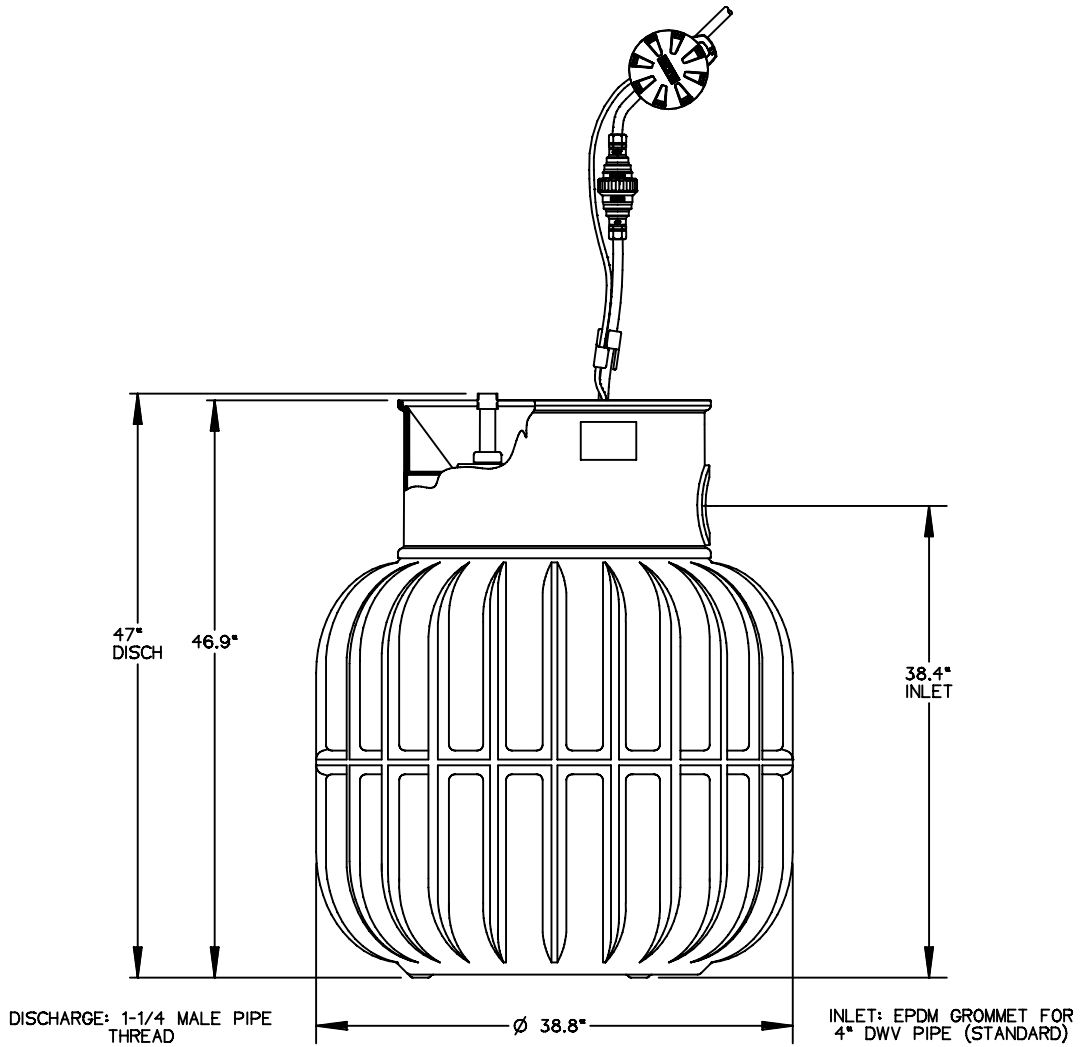


MODEL DH151 / DR151
DETAIL SHEET

NA0051P02

DH151-47

INDOOR UNIT



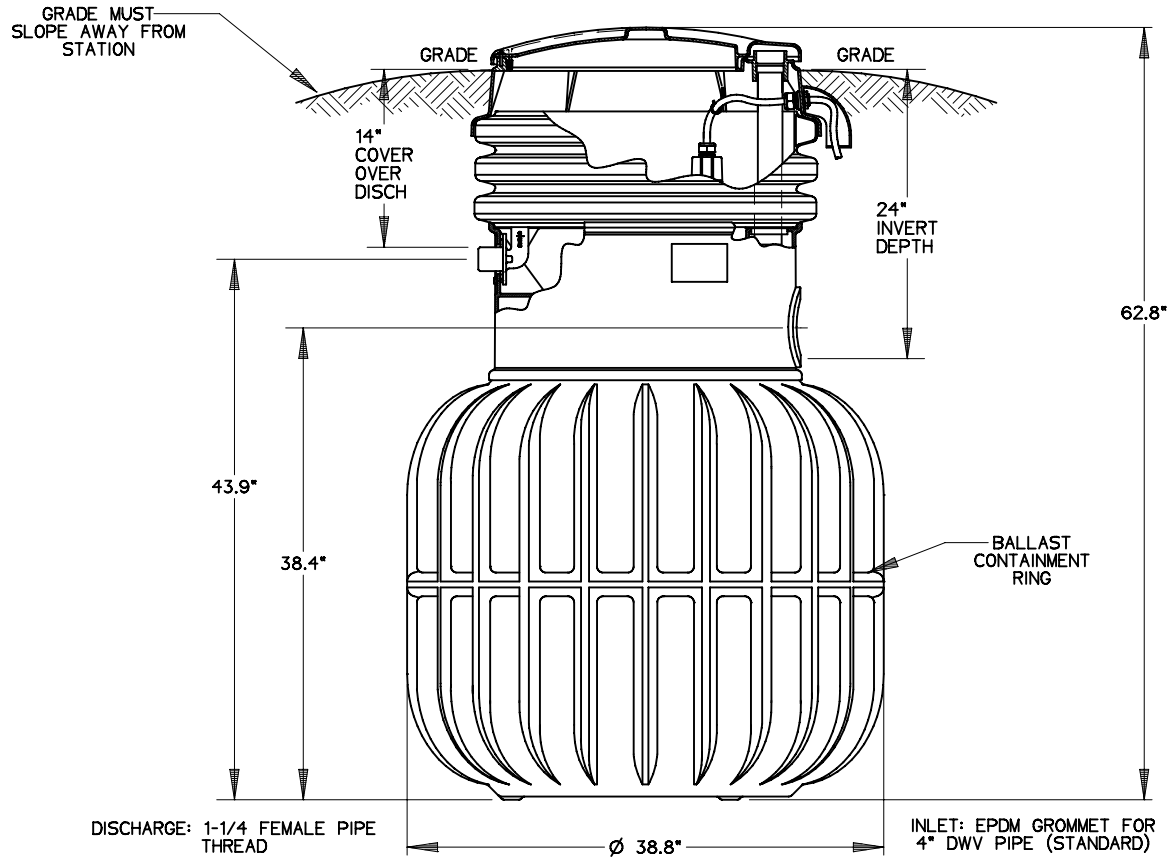
LNT	GAE	04/24/07	-	
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DH151-47


NA0051P03

OPTIONS : **DH151-63** (HARD WIRED LEVEL CONTROLS)
 DR151-63 (WIRELESS LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED
 SEE INSTALLATION INSTRUCTIONS
 FOR DETAILS



AD	CAH	07/13/07	A	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE
 SEWER SYSTEMS				
MODEL DH151-63 / DR151-63				
NA0051P04				

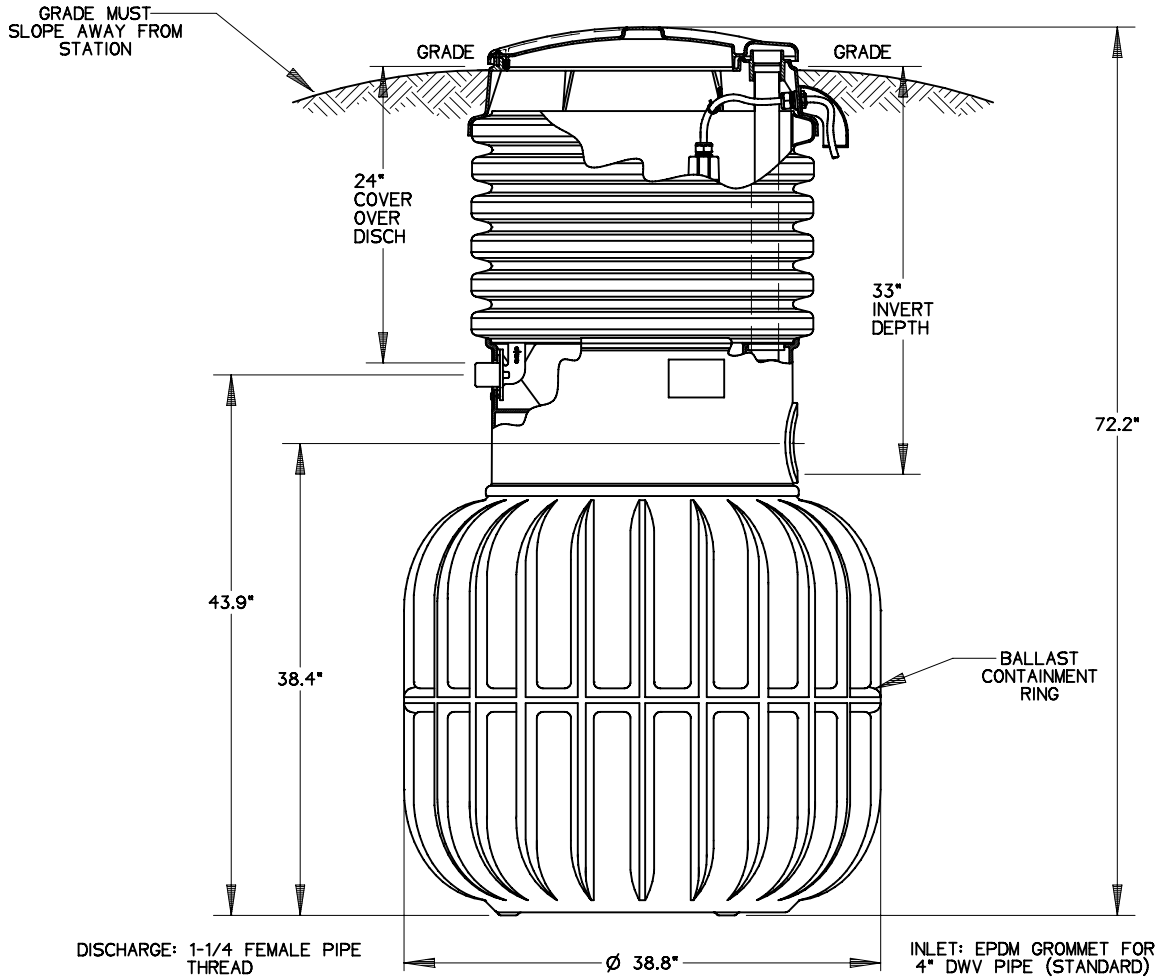
OPTIONS :

DH151-74

(HARD WIRED
LEVEL CONTROLS)

DR151-74

(WIRELESS
LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS



AD	CAH	07/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE

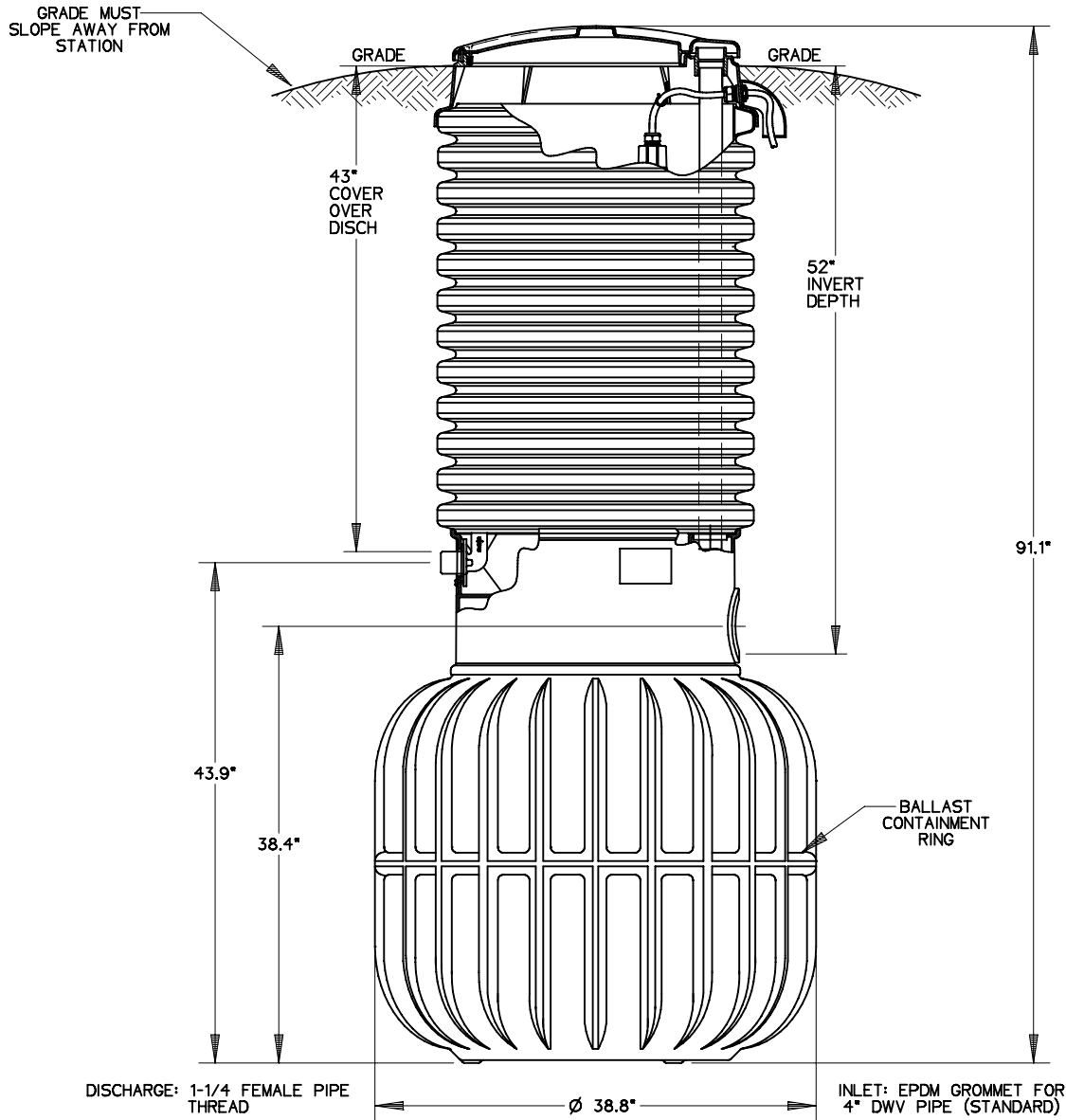


MODEL DH151-74 / DR151-74

NA0051P05

OPTIONS : **DH151-93** (HARD WIRED LEVEL CONTROLS)

DR151-93 (WIRELESS LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS
FOR DETAILS



AD	CAH	7/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DH151-93 / DR151-93

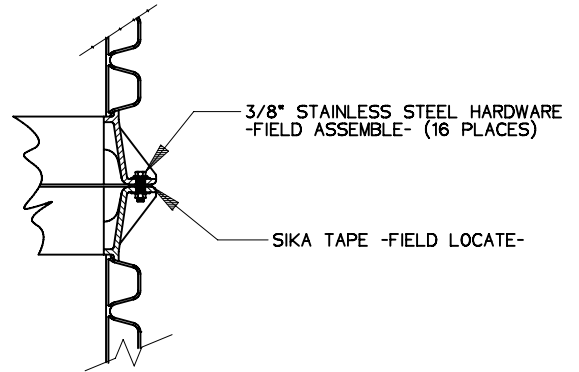
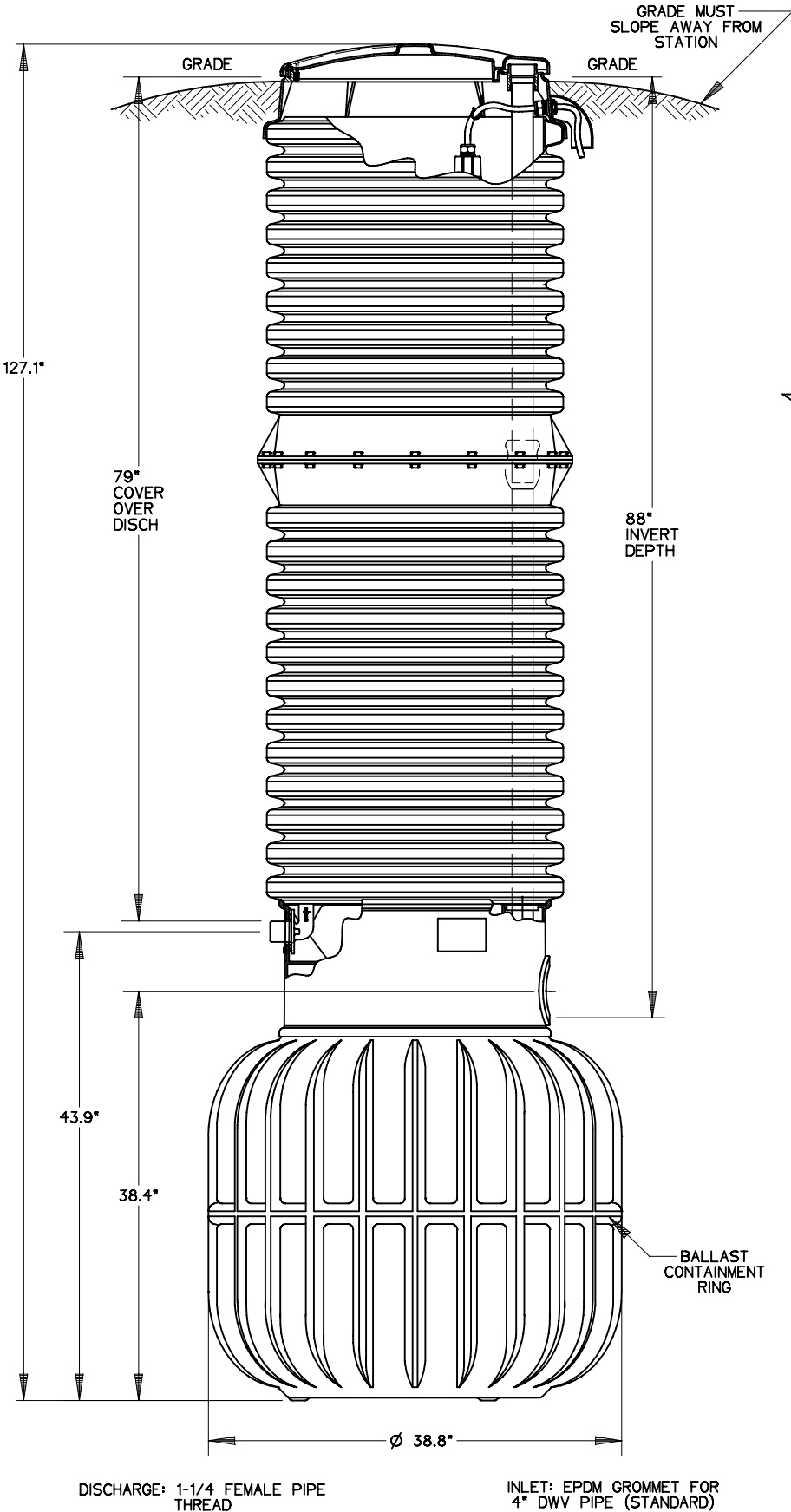
NA0051P06

OPTIONS : **DH151-129**

(HARD WIRED
LEVEL CONTROLS)

DR151-129

(WIRELESS
LEVEL CONTROLS)



DETAIL, FIELD JOINT

SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED
SEE INSTALLATION INSTRUCTIONS FOR DETAILS



AD	CAH	07/13/07	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DH151-129 / DR151-129

NA0051P07

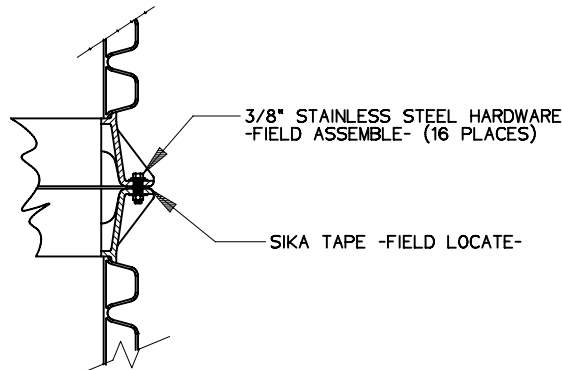
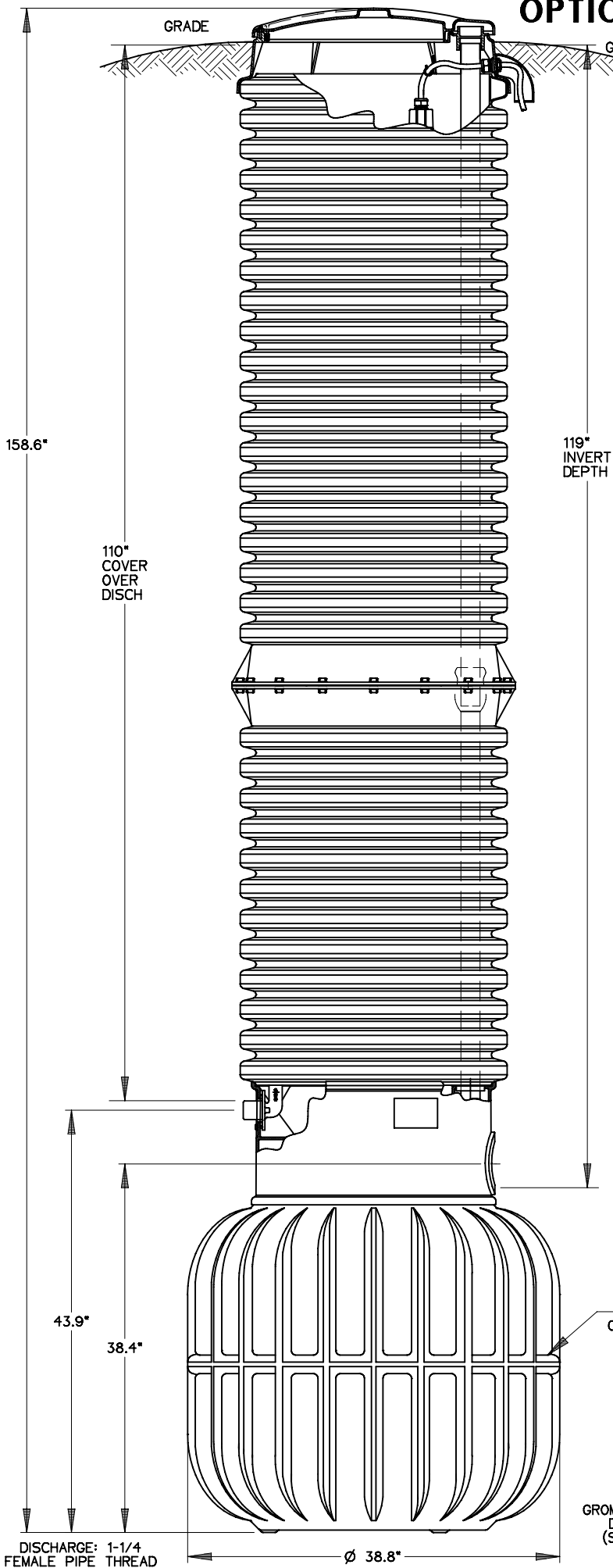
OPTIONS : **DH151-160**

(HARD WIRED
LEVEL CONTROLS)

DR151-160

(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	B	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



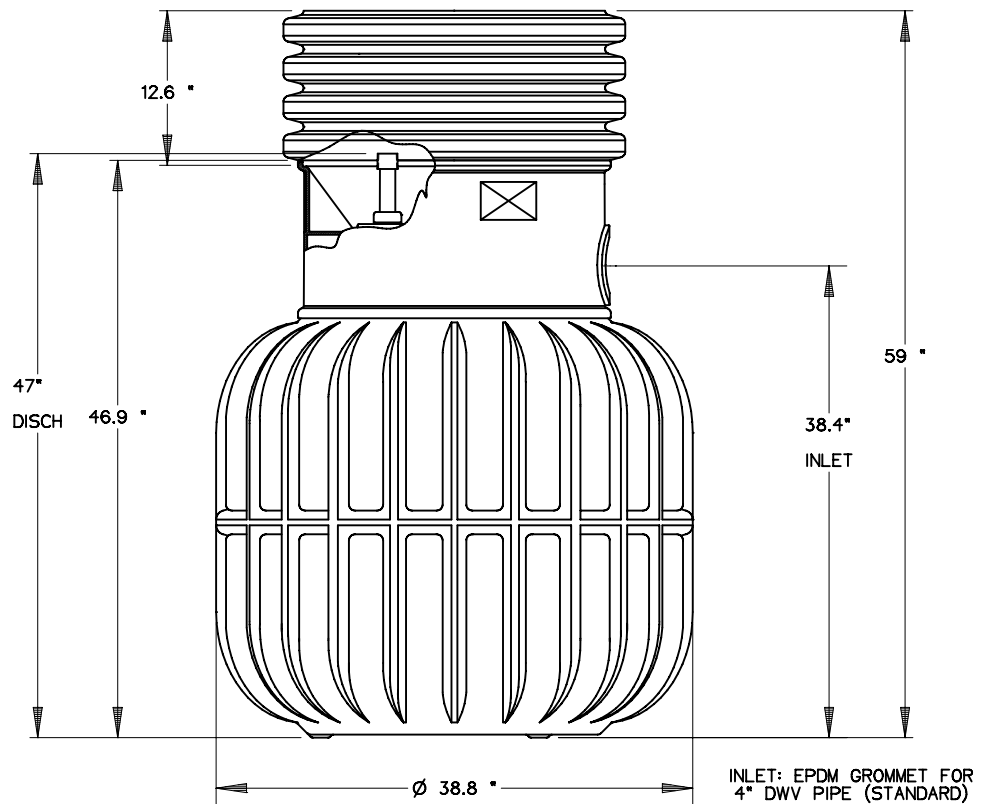
MODEL DH151-160 / DR151-160

NA0051P08

DH151-59

BUILDERS MODEL

STRAIGHT DISCHARGE

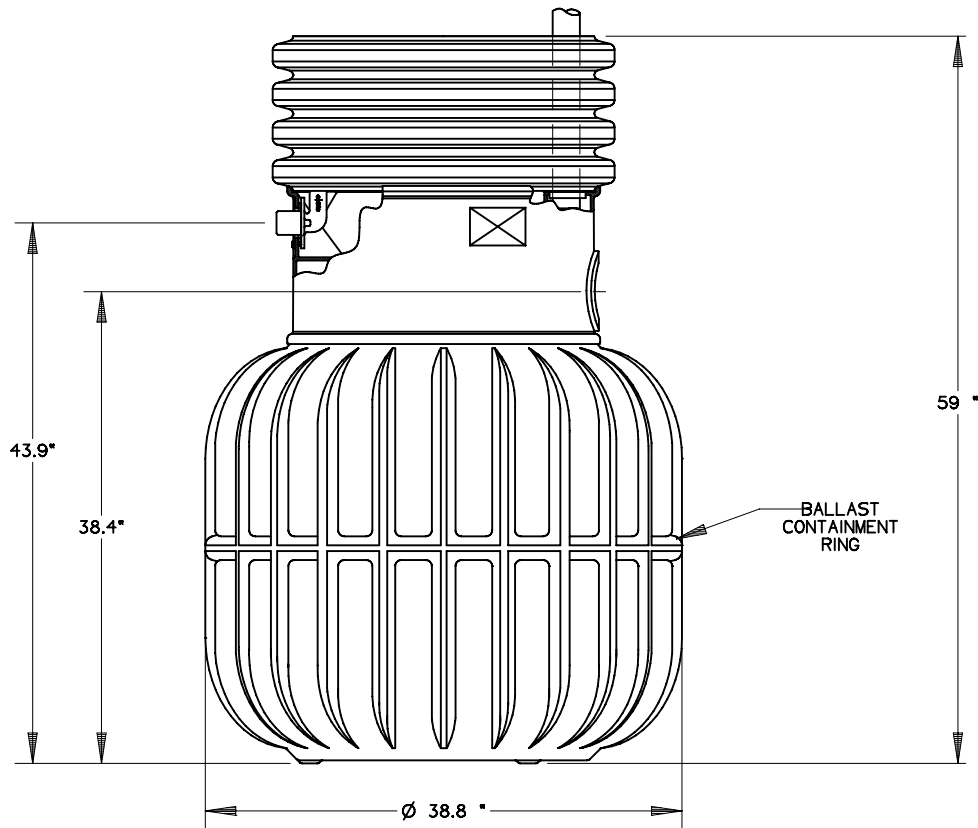



AD	CAH	06/27/07	A	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE
MODEL DH151-59 BUILDERS				
NA0051P09				

DH151-59

BUILDERS MODEL

OUTSIDE TYPE DISCHARGE



AD	CAH	06/27/07	A	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE
 SEWER SYSTEMS				
MODEL DH151-59 BUILDERS				
NA0051P10				