

## DH272/DR272

### General Features

The model DH272 or DR272 grinder pump station is a complete unit that includes: two grinder pumps, check valve, FRP (fiberglass reinforced polyester) tank, controls, and alarm panel. A single DH272 or DR272 is ideal for up to six, average single-family homes and can also be used for up to 20 average single-family homes where codes allow and with consent of the factory.

- Rated for flows of 5000 gpd (18,927 lpd)
- 275 gallons (1041 liters) of capacity
- Indoor or outdoor installation
- Standard outdoor heights range from 97 inches to 160 inches

The DH272 is the “hardwired,” or “wired,” model where a cable connects the motor controls to the level controls through watertight penetrations.

The DR272 is the “radio frequency identification” (RFID), or “wireless,” model that uses wireless technology to communicate between the level controls and the motor controls.

### 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 1.25-inch NPT female thread. Can easily be adapted to 1.25-inch PVC pipe or any other material required by local codes.

#### *Discharge*

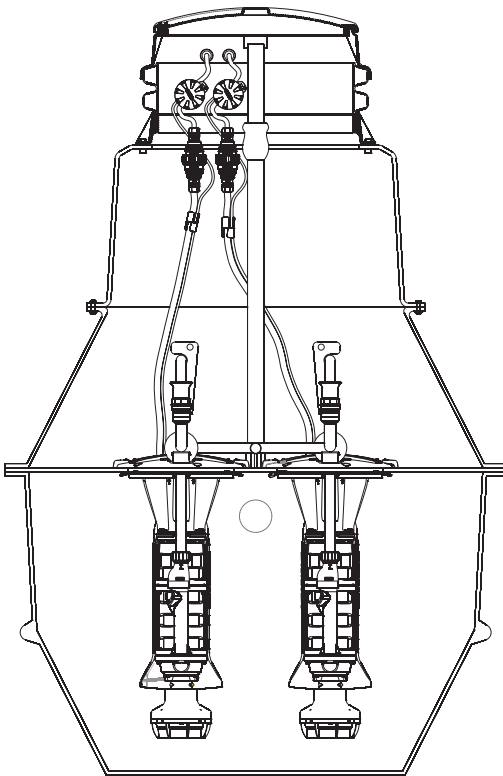
15 gpm at 0 psig (0.95 lps at 0 m)  
11 gpm at 40 psig (0.69 lps at 28 m)  
7.8 gpm at 80 psig (0.49 lps at 56 m)

### Accessories

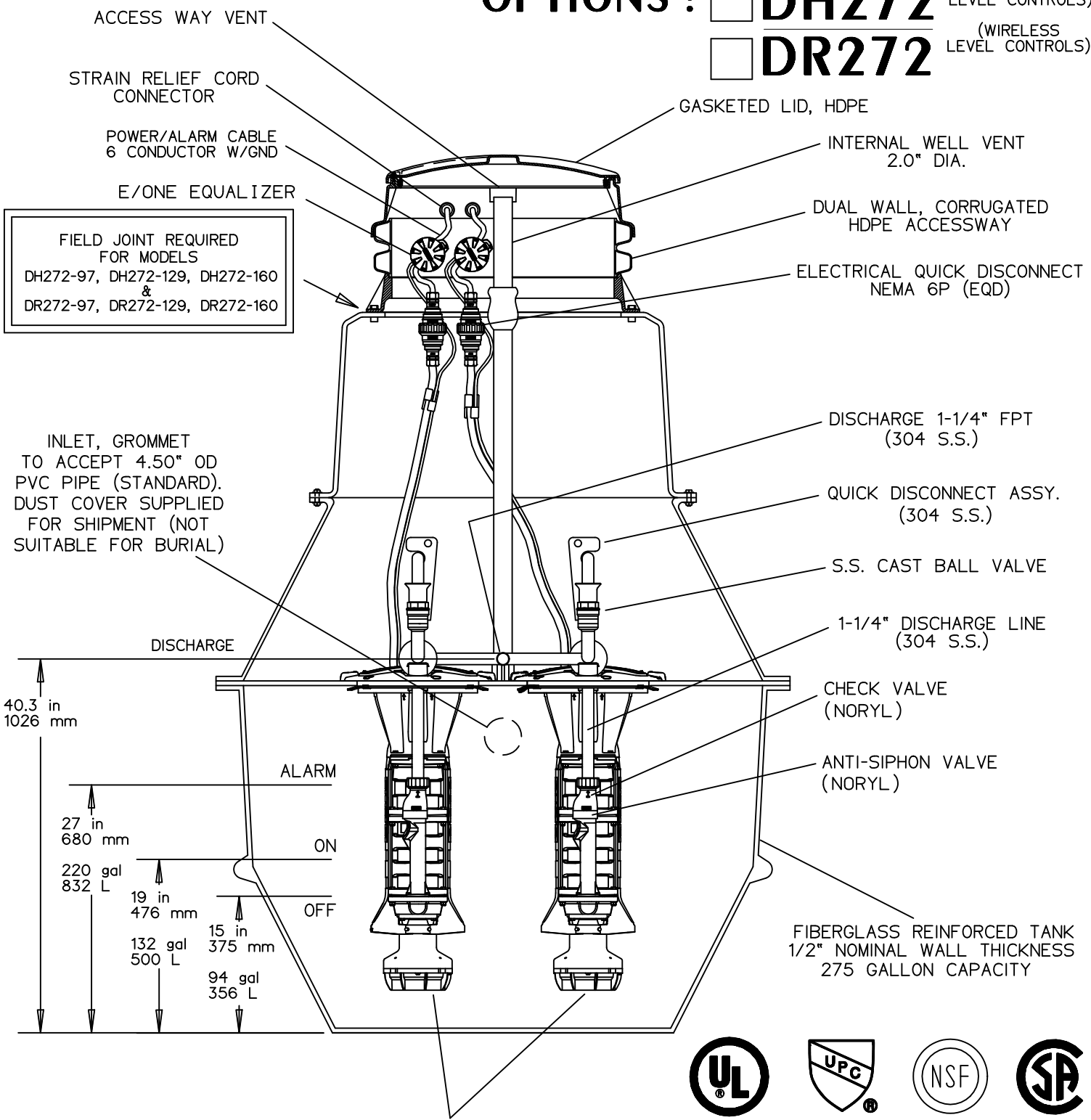
E/One requires that the Uni-Lateral, E/One’s own stainless steel check valve, be installed between the grinder pump station and the street main for added protection against backflow.

Alarm panels are available with a variety of options, from basic monitoring to advanced notice of service requirements.

The Remote Sentry is ideal for installations where the alarm panel may be hidden from view.



**OPTIONS :**  **DH272** (HARD WIRED LEVEL CONTROLS)  
 **DR272** (WIRELESS LEVEL CONTROLS)



FIELD JOINT REQUIRED FOR MODELS  
 DH272-97, DH272-129, DH272-160  
 &  
 DR272-97, DR272-129, DR272-160

INLET, GROMMET TO ACCEPT 4.50" OD PVC PIPE (STANDARD). DUST COVER SUPPLIED FOR SHIPMENT (NOT SUITABLE FOR BURIAL)

40.3 in  
1026 mm

27 in  
680 mm

220 gal  
832 L

19 in  
476 mm

132 gal  
500 L

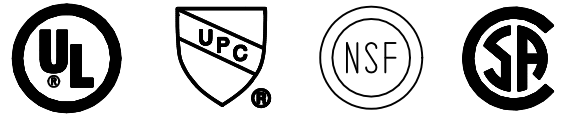
15 in  
375 mm

94 gal  
356 L

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

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY



|       |       |          |       |       |
|-------|-------|----------|-------|-------|
| AD    | CH    | 10/20/10 | E     |       |
| DR BY | CHK'D | DATE     | ISSUE | SCALE |

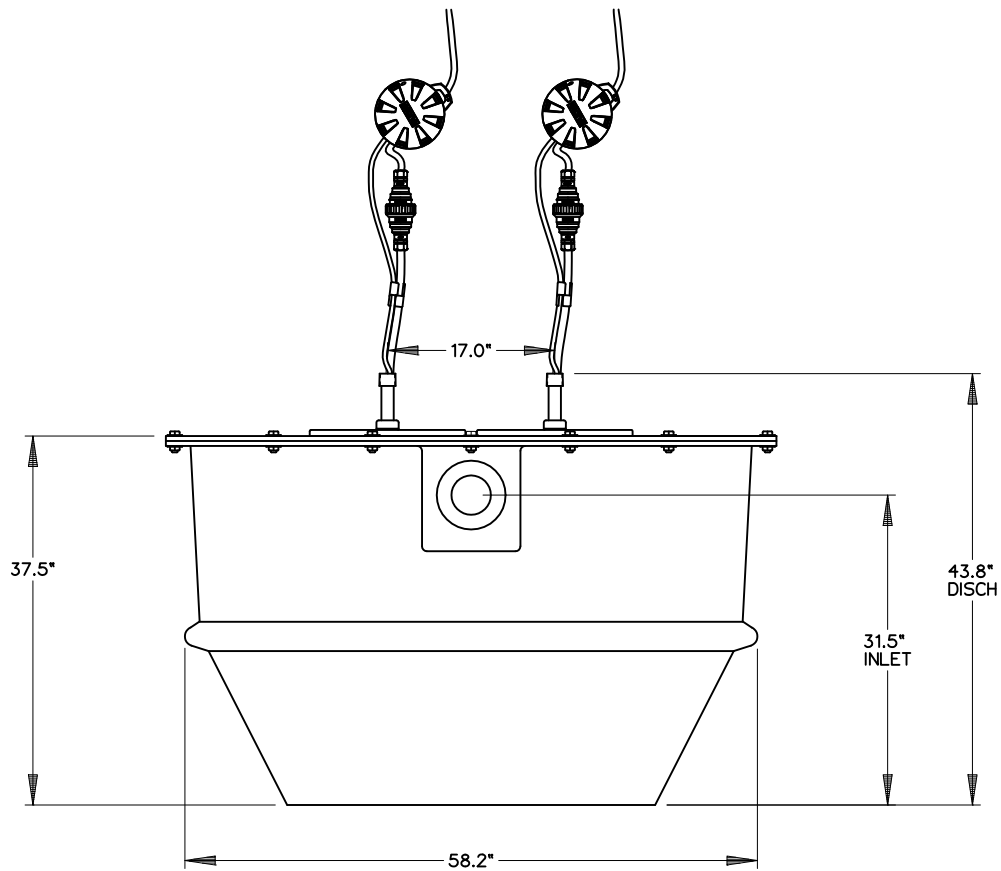


MODEL DH272 / DR272  
 DETAIL SHEET

NA0053P02

# DH272-38

## INDOOR UNIT



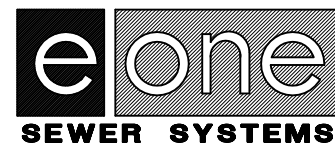
DISCHARGE: 1-1/4 MALE  
PIPE THREAD

INLET: EPDM GROMMET FOR  
4" DWV PIPE (STANDARD)



NOTE: DIMENSIONS ARE FOR REF ONLY

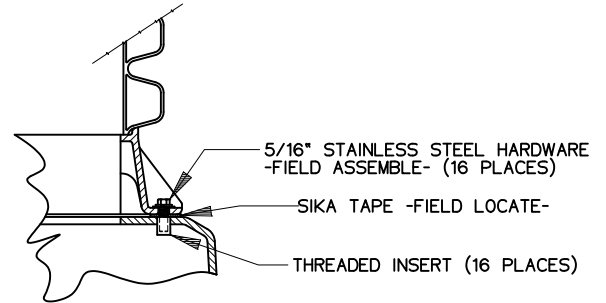
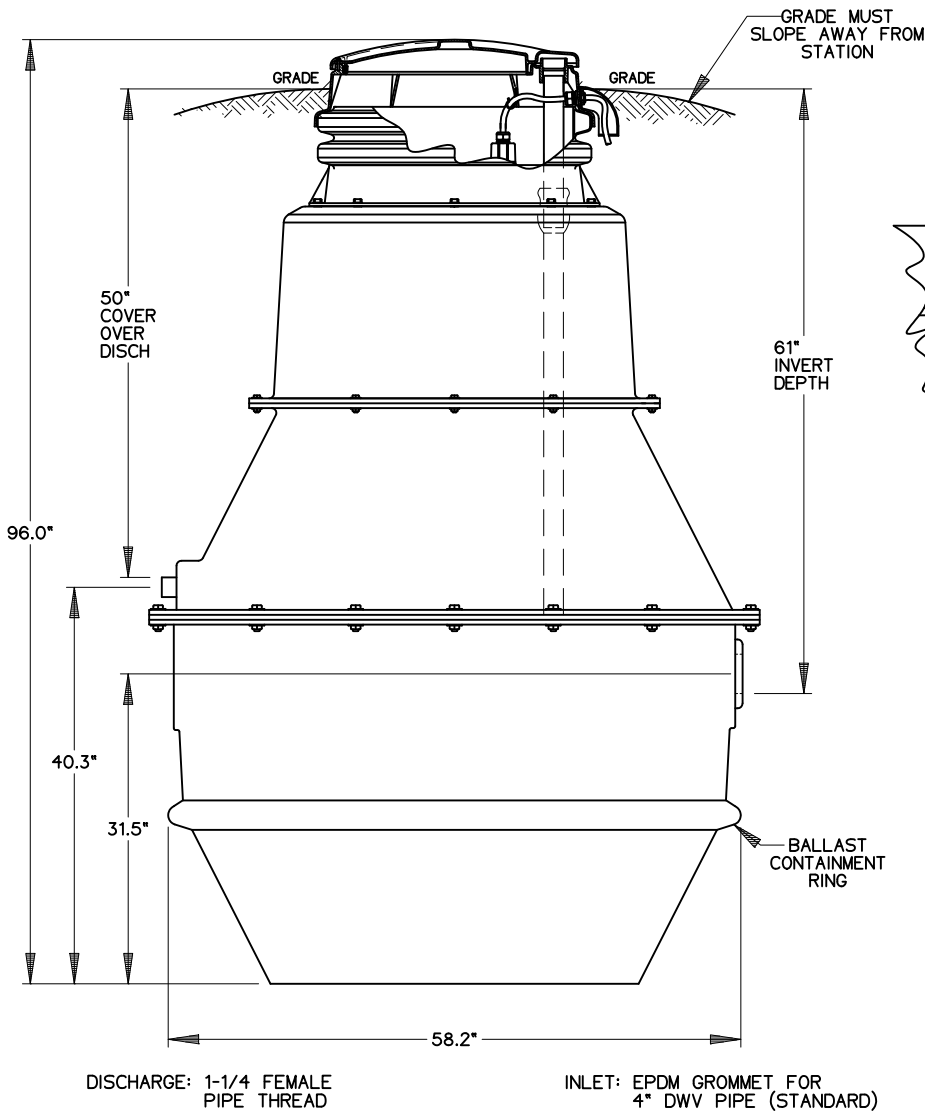
|       |       |          |       |       |
|-------|-------|----------|-------|-------|
| SGS   | CAH   | 06/27/07 | C     | 1/20  |
| DR BY | CHK'D | DATE     | ISSUE | SCALE |



MODEL DH272-38

NA0053P03

**OPTIONS :**  **DH272-97** (HARD WIRED LEVEL CONTROLS)  
 **DR272-97** (WIRELESS LEVEL CONTROLS)



CONCRETE BALLAST MAY BE REQUIRED  
 SEE INSTALLATION INSTRUCTIONS  
 FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY



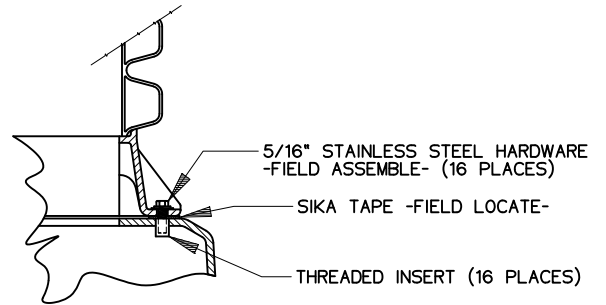
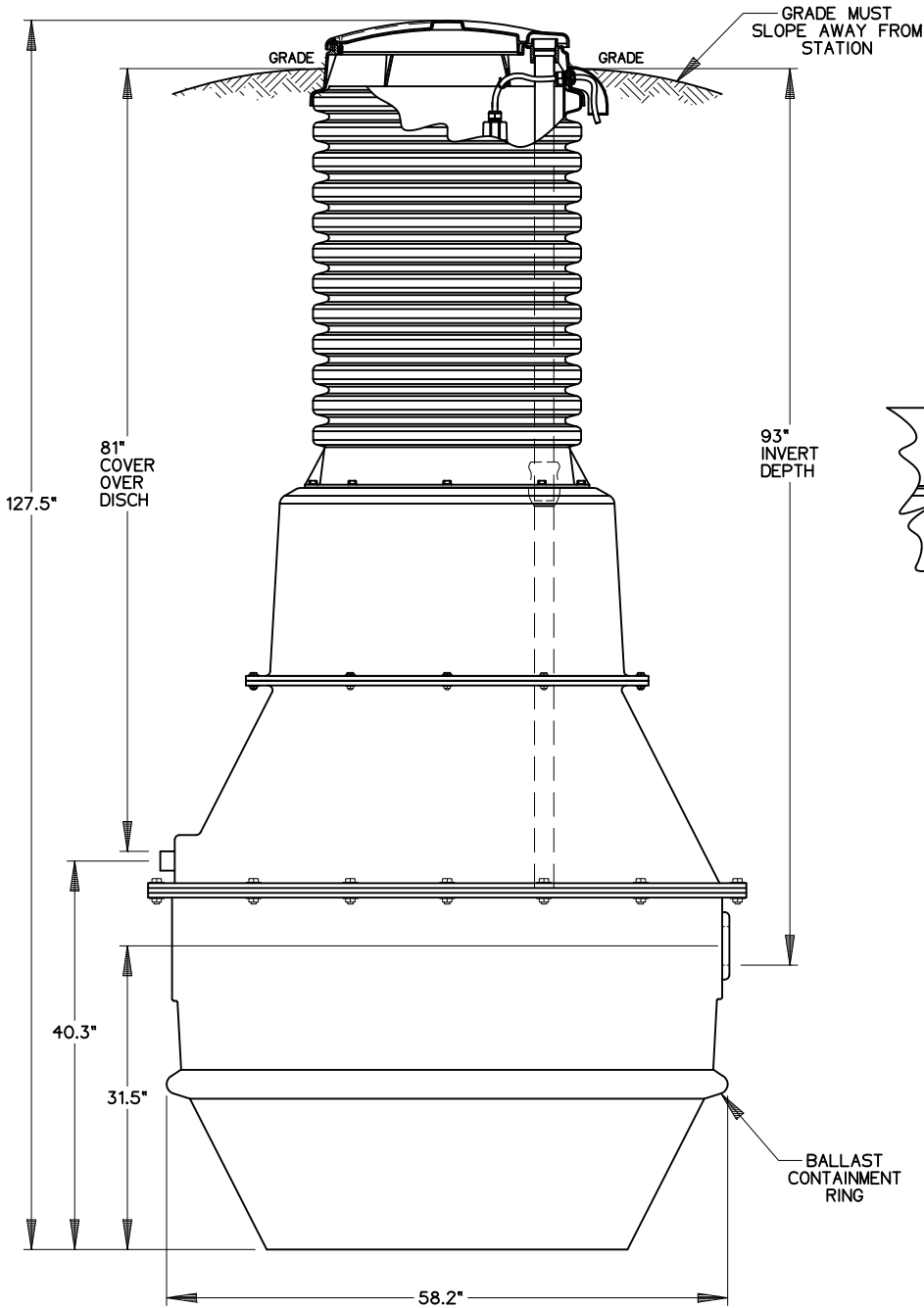
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| AD    | CAH   | 7/13/07 | C     | 1/20  |
| DR BY | CHK'D | DATE    | ISSUE | SCALE |



MODEL DH272-97 / DR272-97

NA0053P04

**OPTIONS :**  **DH272 -129** (HARD WIRED LEVEL CONTROLS)  
 **DR272 -129** (WIRELESS LEVEL CONTROLS)



DISCHARGE: 1-1/4 FEMALE PIPE THREAD

INLET: EPDM GROMMET FOR 4" DWV PIPE (STANDARD)

CONCRETE BALLAST MAY BE REQUIRED  
 SEE INSTALLATION INSTRUCTIONS  
 FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY



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|-------|-------|---------|-------|-------|
| AD    | CAH   | 7/13/07 | C     | 1/20  |
| DR BY | CHK'D | DATE    | ISSUE | SCALE |



MODEL DH272-129 / DR272-129

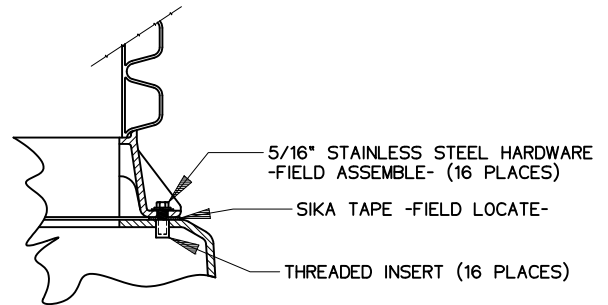
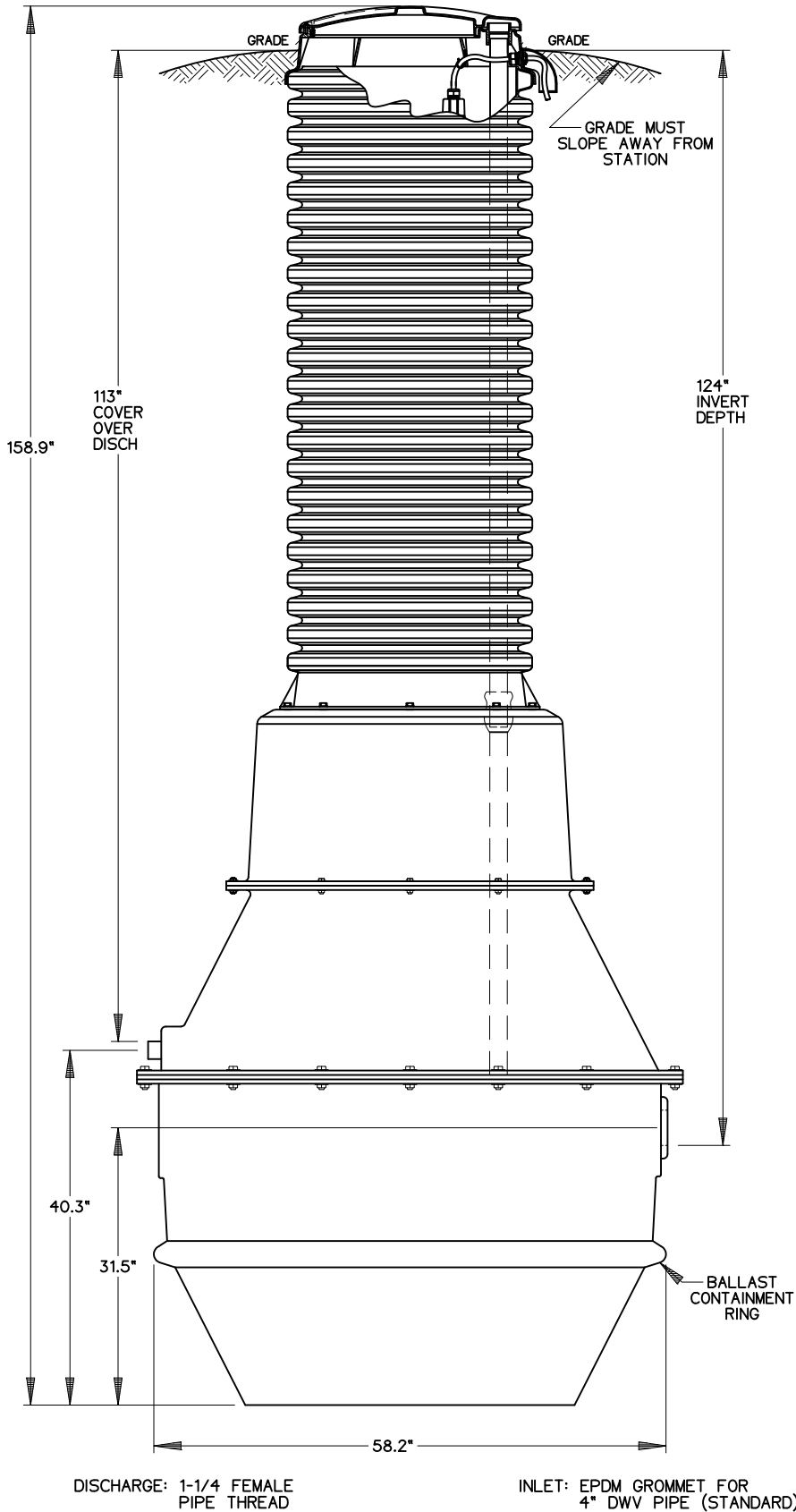
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OPTIONS :  **DH272 -160**

(HARD WIRED  
LEVEL CONTROLS)

**DR272 -160**

(WIRELESS  
LEVEL CONTROLS)



DETAIL, FIELD JOINT

SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

NOTE: DIMENSIONS ARE FOR REF ONLY



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



MODEL DH272-160 / DR272-160

NA0053P06