

DX152

Description

The E/One model DX explosionproof grinder pump is engineered to meet the stringent Factory Mutual™ explosionproof equipment standards for use in locations classified as Class I, Division 1, Group D (approval standards 3600, 3610, and 3615). The DX152 is a 150-gallon capacity grinder pump station that contains two explosionproof grinder pumps. Note: Only the pumps are listed by FM for explosionproof equipment.

General Features

The DX152 comes complete with a self-contained level control system, eliminating troublesome float switches. The pump uses radio frequency identification (RFID) technology to communicate between the level controls and the motor controls. The grinder pumps are automatically activated and run infrequently for very short periods.

The internal check valve assemblies, located in the grinder pumps, are custom-designed for non-clog, trouble-free operation.

- 150 gallons (568 liters) of capacity; polyethylene tank and HDPE lid
- Rated for flows of 3000 gpd (11,356 lpd)
- Available in heights of 129 inches and 160 inches; height adjustment can be performed in the field

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.

Operational Information

Motors

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

Inlet Connections

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

Discharge Connections

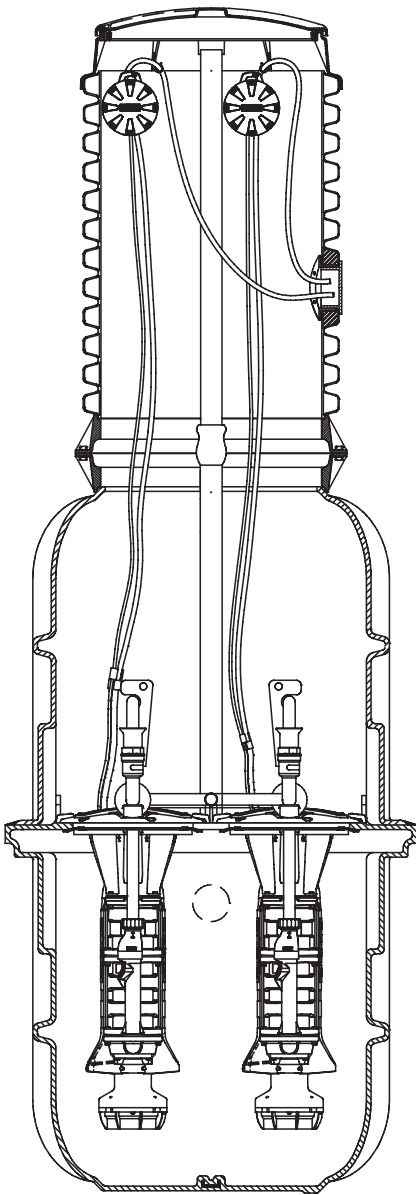
Pump discharge terminates in 1.25-inch NPT female thread. Can easily be adapted to 1.25-inch PVC pipe or any other material required by local codes.

Discharge (per pump)

15 gpm at 0 psig (0.95 lps at 0 m)

11 gpm at 40 psig (0.69 lps at 28 m)

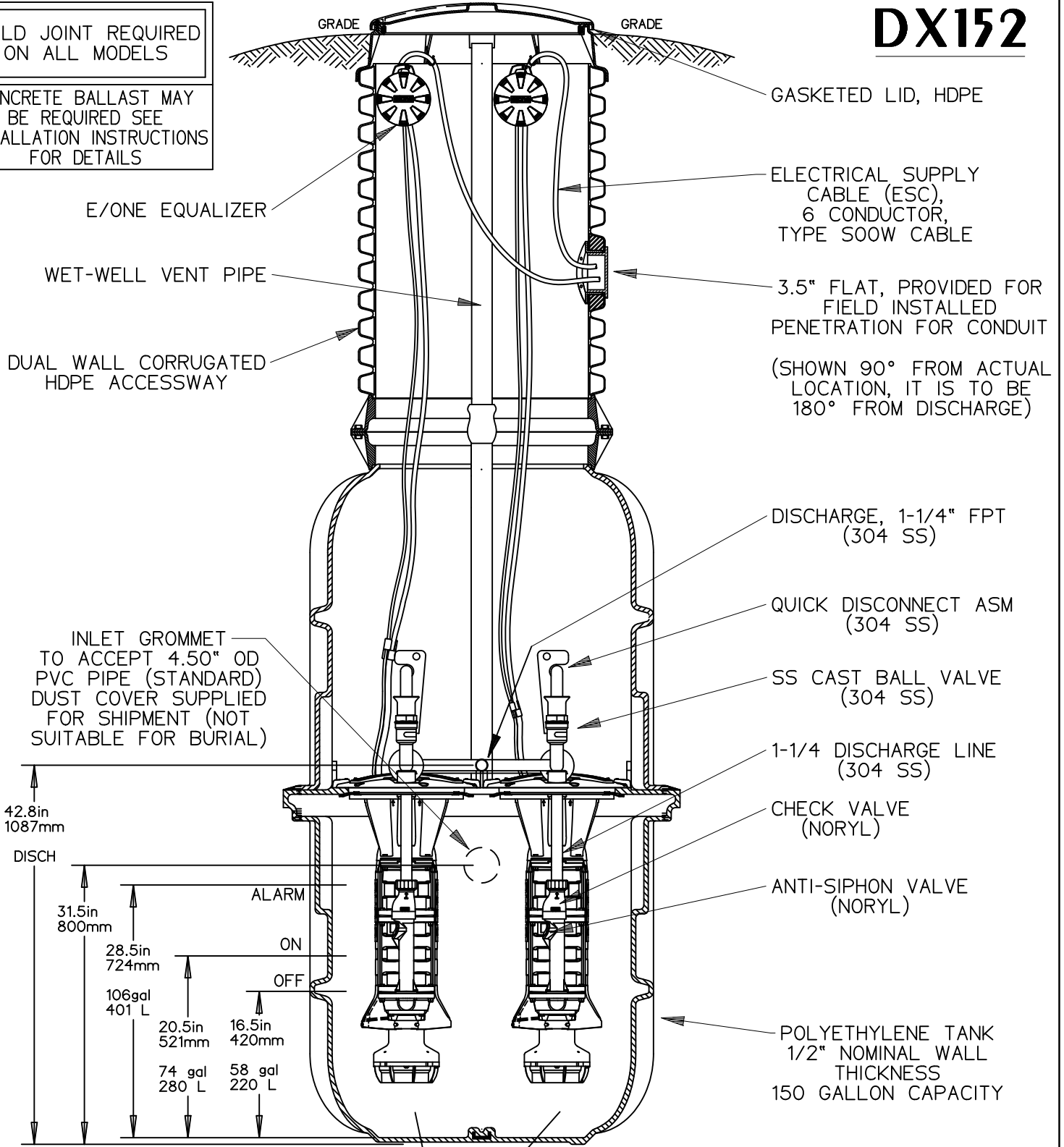
7.8 gpm at 80 psig (0.49 lps at 56 m)



DX152

FIELD JOINT REQUIRED
ON ALL MODELS

CONCRETE BALLAST MAY
BE REQUIRED SEE
INSTALLATION INSTRUCTIONS
FOR DETAILS



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

42.8in
1087mm

DISCH

31.5in
800mm

28.5in
724mm

106gal
401 L

20.5in
521mm

16.5in
420mm

74 gal
280 L

58 gal
220 L

ALARM
ON
OFF

GRADE

GRADE

GASKETED LID, HDPE

ELECTRICAL SUPPLY
CABLE (ESC),
6 CONDUCTOR,
TYPE SOOW CABLE

3.5" FLAT, PROVIDED FOR
FIELD INSTALLED
PENETRATION FOR CONDUIT

(SHOWN 90° FROM ACTUAL
LOCATION, IT IS TO BE
180° FROM DISCHARGE)

DISCHARGE, 1-1/4" FPT
(304 SS)

QUICK DISCONNECT ASM
(304 SS)

SS CAST BALL VALVE
(304 SS)

1-1/4 DISCHARGE LINE
(304 SS)

CHECK VALVE
(NORYL)

ANTI-SIPHON VALVE
(NORYL)

POLYETHYLENE TANK
1/2" NOMINAL WALL
THICKNESS
150 GALLON CAPACITY

SEMI-POSITIVE DISPLACEMENT TYPE PUMP
EACH DIRECTLY DRIVEN BY 1 HP MOTOR
CLASS I, DIV 1, GROUP D

NOTE:
THE PUMP ASSEMBLIES ARE LISTED BY ETL TO FACTORY MUTUAL (FM)
STANDARDS FOR CLASS I, DIVISION 1, GROUP D, THE LEVEL CONTROL
SYSTEM, INTEGRAL TO THE PUMP, IS INTRINSICALLY SAFE
(THE STATION IS NOT PART OF THE LISTING)
- ALSO AVAILABLE APPROVED BY CSA FOR CLASS 1, DIVISION 1,
GROUP D

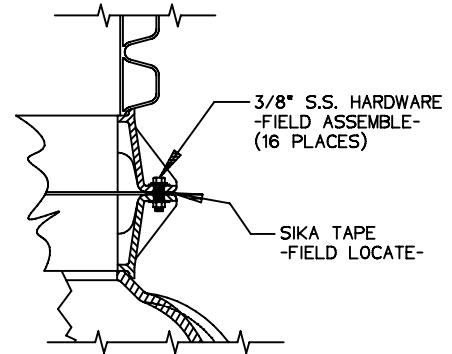
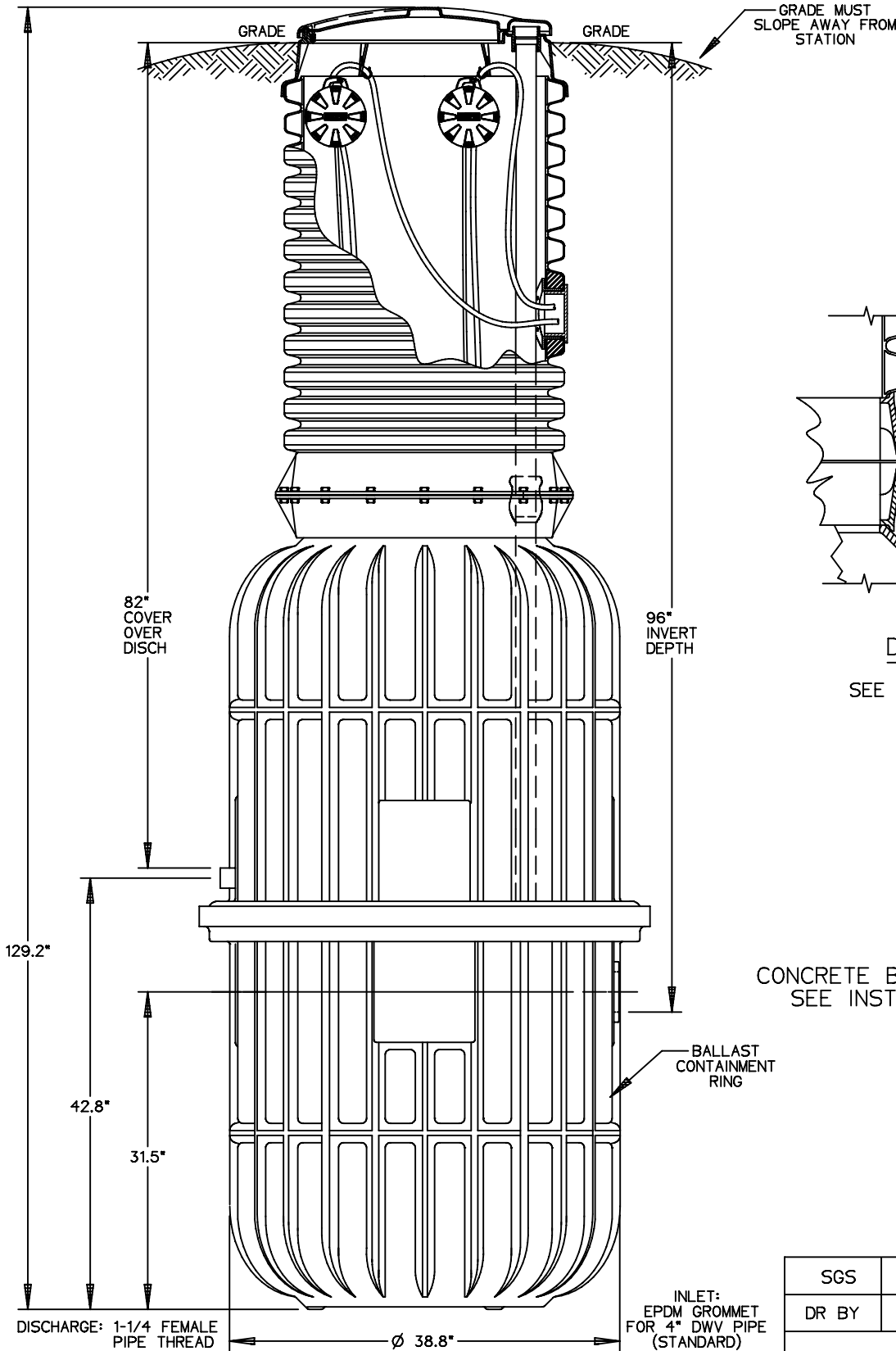
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DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DX152, EXPLOSIONPROOF PUMP
DETAIL SHEET

NA0202P02

DX152-129



DETAIL, FIELD JOINT

SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED SEE INSTALLATION INSTRUCTIONS FOR DETAILS

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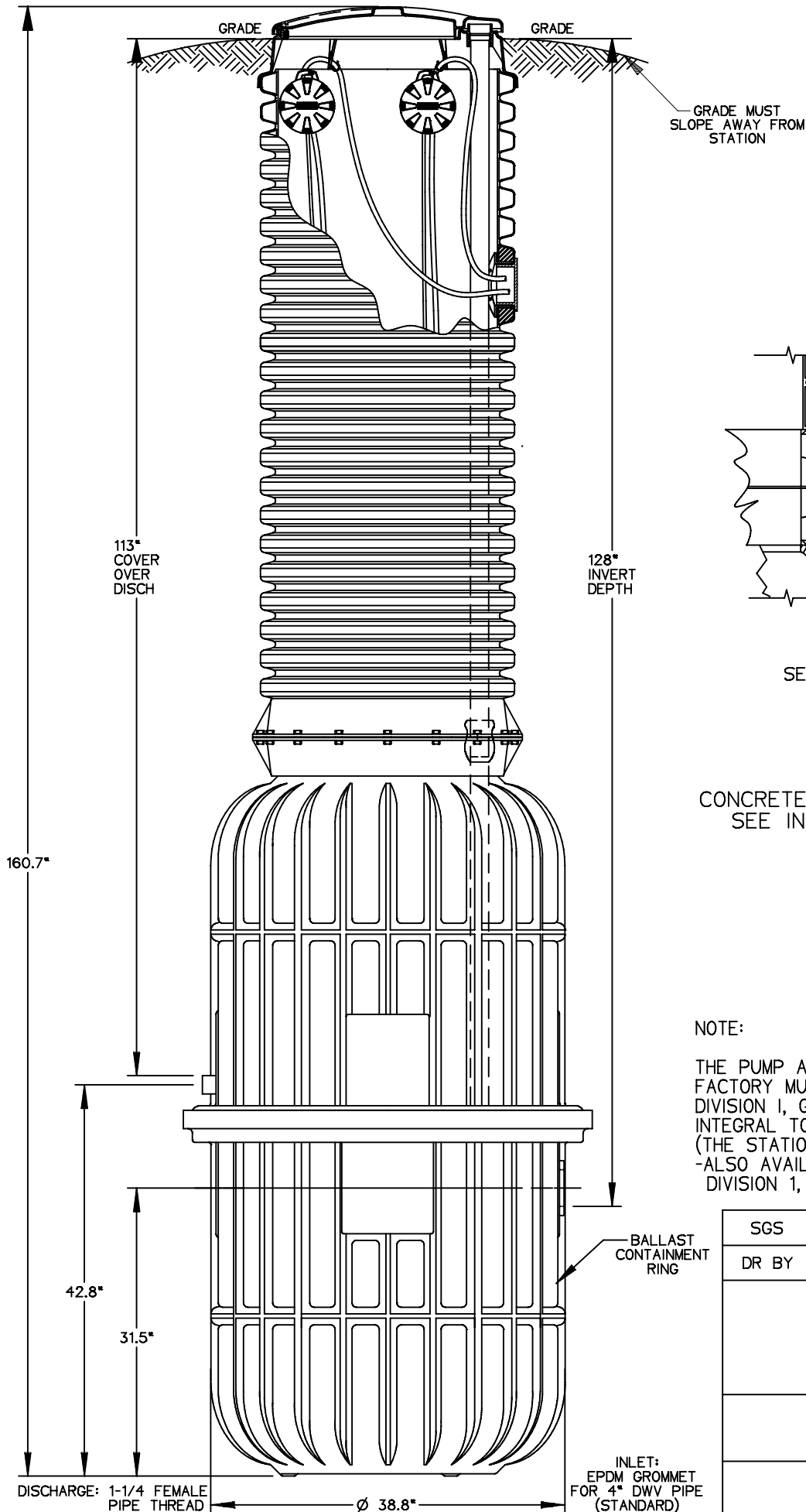
SGS	CAH	12/3/10	A	1/16
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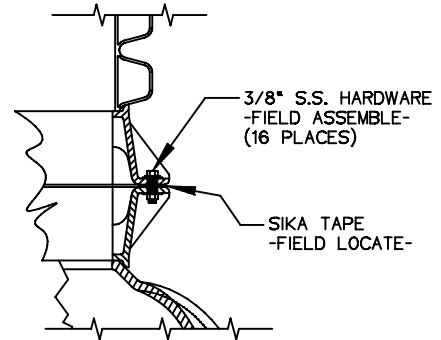
MODEL DX152-129
EXPLOSIONPROOF PUMP

NA0202P03

DX152-160



GRADE MUST SLOPE AWAY FROM STATION



DETAIL, FIELD JOINT
SEE INSTALLATION INSTRUCTIONS
FOR FURTHER DETAILS

CONCRETE BALLAST MAY BE REQUIRED
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SGS	CAH	12/3/10	A	1/16
DR BY	CHK'D	DATE	ISSUE	SCALE



MODEL DX152-160
EXPLOSIONPROOF PUMP

NA0202P04