



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

August 15, 2014

*Note-These Single-Walled UDCs are also Registered
under EQ-909*

Mr. Jason Stapp
Diamond Z Engineering
5670 State Road
Cleveland OH 44134

Subject: Approval of the S. Bravo Systems
Model B-1000 / B-1000-E Series Fiberglass Containment Sump
File No. EQ-827

Dear Mr. Stapp:

The Office of District and Business Support has concluded its review of the Equipment Approval request dated June 25, 2014, that was submitted for S. Bravo Systems Model B-1000 / B-1000-E Series Single-walled Fiberglass Containment Sump, pursuant to Rules 62-761.500(1)(d)1., 62-761.500(6), and 62-761.850(2), Florida Administrative Code (F.A.C.). The Type FS Secondary Containment Piping is constructed with a steel primary pipe and a fiberglass outer wall. The Model B-1000 / B-1000-E Series Containment Sump is a single-walled fiberglass dispenser sump that provides secondary containment for the piping and connection to the product dispenser beneath the dispensing system.

Based on the information provided by S. Bravo Systems, the Model B-1000 / B-1000-E Series Fiberglass Containment Sump provides environmental protection substantially equivalent to that provided by compliance with the requirements established in Rules 62-761.500(6), and 62-761.500(1)(d)1., F.A.C. The S. Bravo Systems Model B-1000 / B-1000-E Series Fiberglass Containment Sump may be used as a dispenser sump associated with underground storage tank systems.

Pursuant to Rule 62-762.851(2), F.A.C., the request for the use of the S. Bravo Systems Model B-1000 / B-1000-E Series Fiberglass Containment Sump is approved in the State of Florida as a dispenser sump associated with underground and aboveground storage tank systems. The installation and integrity testing procedures for the S. Bravo Systems Model B-1000 / B-1000-E Series Fiberglass Containment Sump shall be made by a Bravo certified installer in accordance with the manufacturer's recommendations.

Please be advised that the above referenced DEP rules are subject to change. If the above rule standards are modified in the future, this order may be modified or rescinded for future upgrades and installations. Additionally, if the product(s) show a consistent pattern of failure(s), and therefore does not provide substantially equivalent environmental protection, the Department may rescind this order.

The Department's Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, F.S., within **21** days of receipt of this Order. Persons who have filed such a petition may seek to mediate the dispute and choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning a hearing and pursuing mediation are set forth below.

Persons affected by this Order have the following options:

- A. If you choose to accept the Department's decision regarding the Order, you do not have to do anything. This Order is final and effective as of the date on the top of the first page of this Order.
- B. If you choose to challenge the decision, you may do the following:
 - 1. File a request for an extension of time to file a petition for hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order. This request should be made if you wish to meet with the Department in an attempt to resolve any disputes without first filing a petition for hearing or negotiate an agreement to mediate; or
 - 2. File a petition for administrative hearing with the Department's Agency Clerk in the Office of General Counsel within **21** days of receipt of this Order.

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation under Section 120.573, F.S., and must negotiate an agreement to mediate within **10** days after the deadline for filing a petition.

How to Request an Extension of Time to File a Petition for Hearing

For good cause shown, pursuant to Rule 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for hearing. Such a request must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant, shall mail a copy of the request to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

How to File a Petition for Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida, 32399-3000, within **21** days of receipt of this Order. Petitioner, if different from the applicant shall mail a copy of the petition to the applicant at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under Sections 120.569 and 120.57, F.S.

Pursuant to Subsection 120.569(2), F.S., and Rule 28-106.201, F.A.C., a petition for administrative hearing shall contain the following information.

- a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any, the site owner's name and address, if different from the petitioner, the DEP facility number, and the name and address of the facility;
- b) A statement of when and how the petitioner received notice of the Department's action or proposed action;
- c) An explanation of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;

- e) A concise statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- f) A statement of the specific rules or statutes the petitioner contends requires reversal or modification of the Department's action or proposed action; and
- g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department's action or proposed action.

How to Pursue Mediation

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for hearing). The agreement must contain all the information required by Rule 28-106.404, F.A.C. The agreement, signed by all parties, must be received by the Agency Clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000 within **10** days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

Pursuant to Rule 28-106.404, F.A.C., an agreement to mediate must include the following.

- (i) The name, address, and telephone number of the persons who may attend the mediation, (also the DEP facility number, the name and address of the facility if applicable);
- (ii) The name, address, and telephone number of the mediator agreed to by the parties;
- (iii) How the costs and fees associated with the mediation will be allocated (the Department will not pay any of the costs of mediation);
- (iv) The agreement of the parties regarding the confidentiality of discussions and documents introduced during mediation to the extent authorized by law;
- (v) The date, time, and place of the first mediation session;
- (vi) The name of the party's representative who shall have authority to settle or recommend settlement; and
- (vii) The signature of the parties.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within **21** days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57, F.S. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., are resumed.

This Order is final and effective as of the date on the top of the first page of this Order. Timely filing a petition for administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or mediation settlement.

Mr. Jason Stapp, EQ-827

August 15, 2014

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Judicial Review

Any party to this Order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Agency Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department (see below).

Questions

Any questions regarding the Department's review of your equipment approval should be directed to John Svec at (850)245-8845. Questions regarding legal issues should be referred to Rebecca Robinette, Office of General Counsel, at (850)245-2242. Contact with any of the above does not constitute a petition for administrative hearing, a request for a time extension to file a petition for hearing or an agreement to mediate.

Sincerely,



John A. Coates, PE, Assistant Division Director
Division of Waste Management

JAC/js

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52 Florida Statutes,
with the designated Department Clerk, receipt of
which is hereby acknowledged.



Expired certificate

X



Judith Pennington

Signed by: judith.a.pennington@dep.state.fl.us

Clerk

Date

(or Deputy Clerk)

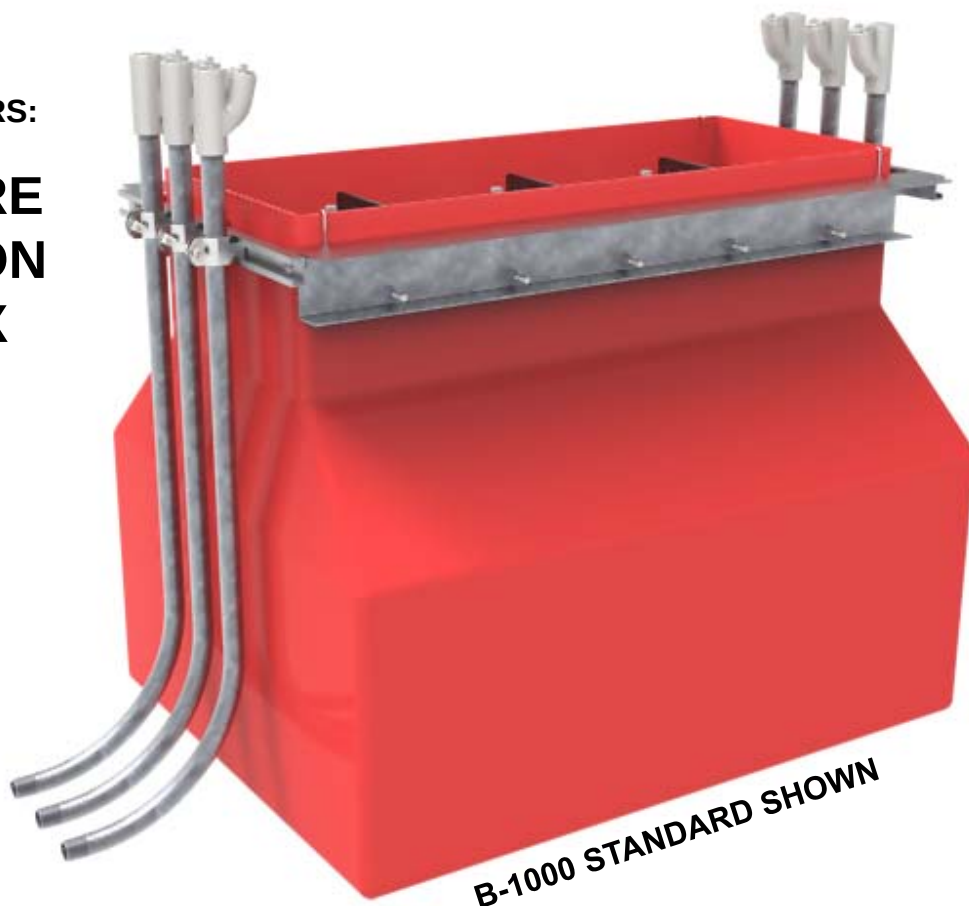
INSTALLATION INSTRUCTIONS

B-1000 / B-1000-E SERIES

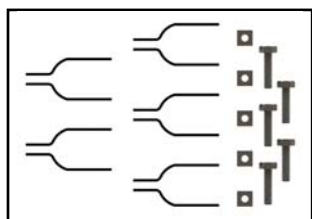
SINGLEWALL FIBERGLASS CONTAINMENT SUMP

FOR
DISPENSERS:

ENCORE
OVATION
HELIX

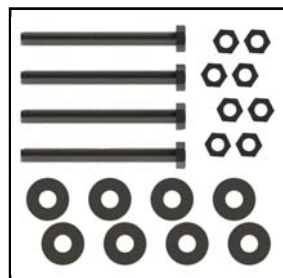


B-1000 STANDARD SHOWN



INCLUDED

5X STRUT-STYLE CLAMPS
FOR ELECTRICAL OFFSET
AREAS



INCLUDED

4X 1/2"Ø CONCRETE
ANCHORING BOLTS FOR
DISPENSER + FASTENERS

ii-B1000-13B

MANDATORY

The B-1000 Series SingleWall UDC from S. Bravo Systems, Inc. **MUST** be installed by a **Bravo Certified Installer**. Get Certified at www.sbravo.com/cert

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NOTICE

***By installing this product, you agree to the warranty terms found at :
www.sbravo.com/warranty***

SAFETY FIRST! S. Bravo Systems, Inc. urges you to carefully adhere to the normal safety procedures and precautions followed by your company. Please follow the mandates and compliances decreed by OSHA, local, State and federal regulations regarding the use of this product.

LIMITED WARRANTY

All containment systems sold by S. Bravo Systems, Inc. are warranted to be free from defects in material and workmanship for a period of one year from date of purchase. This warranty will be limited to the repair and replacement of Bravo parts only and will exclude all claims for labor or consequential damage. No other express warranties given and no affirmation of S. Bravo Systems, Inc., or its agents and/or representatives, by words or action, will constitute a warranty. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

This warranty is void if there is any evidence of modification, abuse, negligence, or improper installation. If any fittings or components, other than S. Bravo Systems approved fittings or components, are used in conjunction with any S. Bravo Systems product, the warranty pertaining to these products is immediately void.

CORROSION WARRANTY

Model	Term	Limitations
B-1000-XX	30 years	None. Can be exposed / submerged in fuel indefinitely.
B-1000-E-XX	3 years	Fuel must be removed within 30 days of exposure.

A) LEVELING AND CUT-DOWN

A.1) Determine where the concrete grade will be and any island elevations. Run & secure a grade line or other means of elevation measurement and reference.

NOTICE

DO NOT PLACE SUMPS ON ANY RIGID SURFACE DURING LEVELING, INSTALLATION OR CONCRETE POURING.

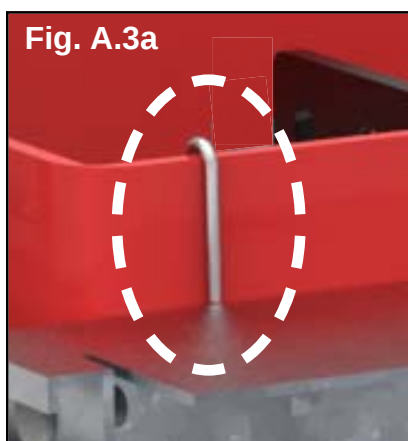
IF **NOT** CUTTING DOWN HEIGHT IN THE FIELD: **SKIP TO STEP A.4**

IF YOU WILL NEED TO CUT DOWN SUMP HEIGHT: PROCEED TO STEP A.2

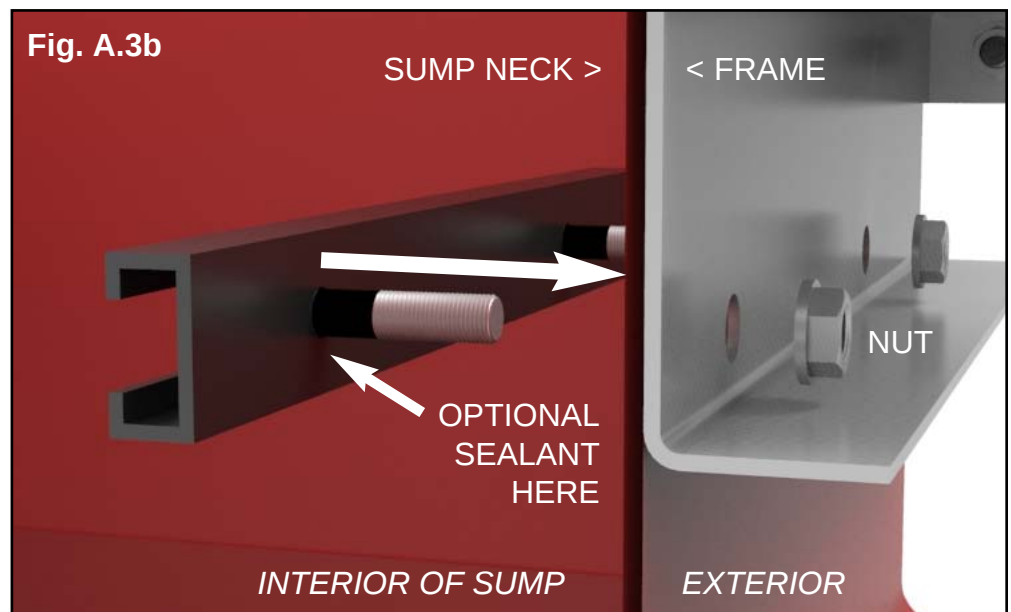
A.2) You may need to adjust the sump's overall height before hanging and/or securing it for entry fitting installation and piping. The B-1000 series features graduation marks on both ends and a label indicating inches of height. Use this guide to help quickly determine how tall each sump needs to be. Similarly to a polyethylene UDC, you must cut-down the neck to change the height of the sump. The Anchor Frame hangs on hooks from the top edge of the UDC. **BE CAREFUL** not to cut the neck down so much that the frame can not hang from the top cut edge. When you have determined how much you need to cut from each sump, if at all, proceed to cut them square across the top.

A.3) **SKIP THIS STEP IF YOU DID NOT CUT THE SUMP's HEIGHT.** If the sump was cut down, you need to remove the C-Channel and anchoring bars on the sides of the UDC. You can not leave the bracketing in place where it was originally installed. After the top edge is cut square, simply set the steel frame over the neck, level it and make sure all the hanging hooks are in contact (Fig. A.3a). Using the holes in this frame as a template, drill new holes through the neck of the sump on both sides. When all holes have been drilled, install each C-channel bar through the inside holes and fasten on the outside (Fig. A.3b).

OPTIONAL: Sealing the Anchor Bars. You can seal the bars and bolts to the sump wall with a sealant (Fig. A.3b). Tremco brand Vulkem 116 (polyurethane sealant) is factory recommended.



HANGING HOOKS



A.4) IF ISLANDS WILL BE FORMED: use angle stock or other material to hang the UDC from the metal framing on the long sides. The top of the metal frame should be set 1/4" above the concrete floor of the island and sloped away when concrete is poured. Secure the UDC at the right elevation and orientation so it does not move during installation.

A.5) IF NO ISLANDS WILL BE FORMED: the top of the UDC's metal frame should be 1" above the concrete traffic pad (grade) and sloped away an appropriate distance when concrete is poured. Secure the UDC at the right elevation and orientation so it does not move during installation.

A.6) Shovel a wide bed of pea-gravel under each UDC to support its weight and help prevent movement / shifting during installation of piping and other components.

B) PIPING AND ENTRY FITTINGS

B.1) Determine piping centerlines and mark sump walls for entry fitting locations. Plan your fitting locations so that the O.D. (outer diameters) of all fittings are 1" away from any edges or corners.

B.2) Install all product entry fittings together with your piping. If using bonded (glued) fiberglass entry fittings, **DO NOT SUBSTITUTE RECOMMENDED ADHESIVES** and allow for the full cure time for all entry fittings. If installing during winter, follow the Winter Warning guidelines included in the fitting installation manuals.

B.3) Install all brackets, shear valves, flex connectors and any other piping components.

C) TESTING FITTING INTEGRITY

C.1) This will be a water (lake) test. **Sump must be supported from the bottom by pea-gravel.**



IT IS CRITICAL THAT YOU ALLOWED ALL FRP FITTINGS TO PROPERLY AND FULLY CURE AT THE RECOMMENDED TEMPERATURE BEFORE TESTING.

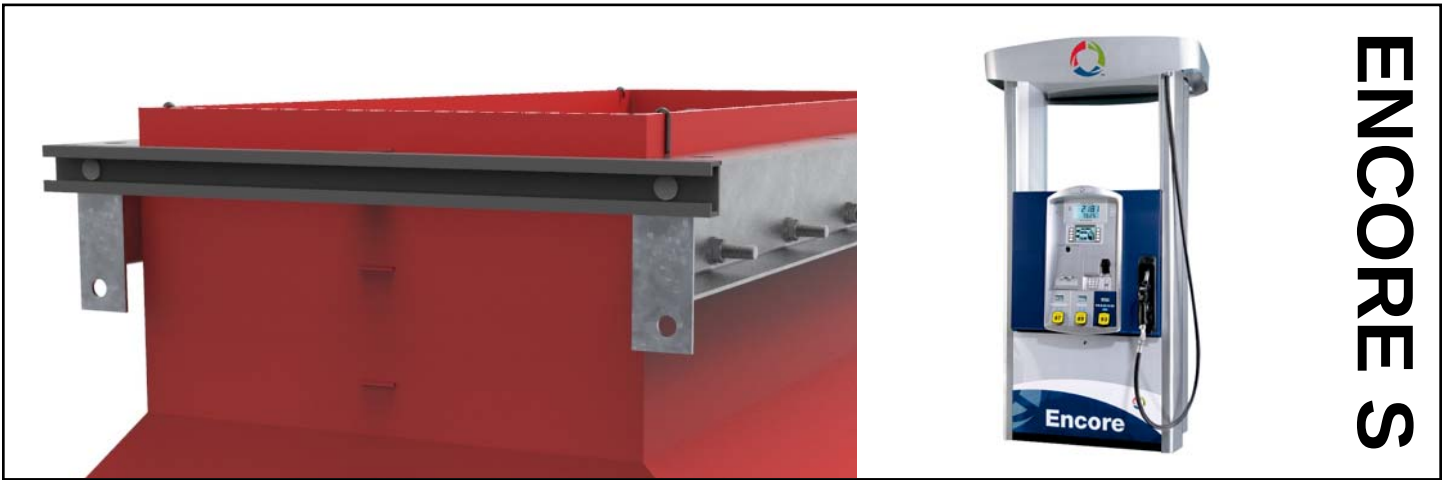
C.2) Ensure that substantial pea gravel or available site backfill material is under each UDC and helping to support its weight. Fill the sump with water and monitor for one hour. Inspect all penetration fittings thoroughly both inside and outside each sump. **Follow all local regulations.**

IF THE SUMP IS DAMAGED DURING INSTALLATION, CONTACT THE FACTORY FOR REPAIR INSTRUCTIONS AND MATERIALS.

D) ELECTRICAL CONDUIT LINES

D.1) The B-1000 series features an electrical offset design, allowing you to run conduit up alongside the sump and into the side panels of the dispenser. The positions and quantity will differ based on the dispenser being used. Bravo provides five (5) strut-style clamps and fasteners. More must be ordered through a Bravo equipment distributor.

D.2) Note the default elevation of the conduit-less C-Channel for each dispenser below.



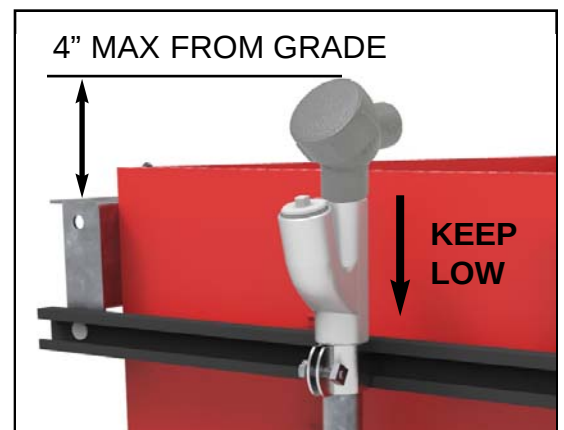
D.3) Install conduits to the C-Channel bars on the exterior of the UDC using provided strut-style clamps.

D.4) For Wayne-Vac equipped dispensers, install 3/4" electrical seal-offs and capped elbow fittings so that they are no more than 4" (four inches) above the finish floor.

If using 1" conduit and fittings, **Appleton** brand components or equivalent in total height are highly recommended.

1" Sealoff - Part number **EYS-36**

1" Capped elbow - Part number **ELBY-100**



E) BACKFILL & CONCRETING

E.1) Ensure all sumps have been water tested, and that the integrity of all entry fittings have been verified. Backfill around all UDC's with available backfill material. Pea-gravel is recommended. Also ensure that the access ports of any electrical conduit fittings will not be covered by concrete.

E.2) Pour concrete and finish the top grade of traffic pad and islands (if applicable) per the slope away guidelines in Steps A.4 and A.5.

F) SHEAR VALVE ADJUSTMENT

F.1 - Align dispenser riser pipe to the product shear valve and seal using a UL pipe / thread sealant. Nipples and unions are typically required. Also connect electrical and any vapor lines.

F.2 - Adjust fastener components of the bracketing system until all shear valves / lines are aligned and held securely in position.

- Closely adhere to all directions and warnings indicated on the product or contained in these instructions.

- Warranty is void if there is any evidence of modification, abuse, negligence or improper installation.

If you have any problems with Bravo Systems Containment Systems, components, or accessories, Call Bravo Systems Immediately:

1-800-28-BRAVO (1-323-888-4133) support@sbravo.com

WARRANTY

All containment systems sold by S. Bravo Systems, Inc. are warranted to be free from defects in material and workmanship for a period of one year from date of purchase. This warranty will be limited to the repair and replacement of Bravo parts only and will exclude all claims for labor or consequential damage. The F-Series Rigid Fiberglass Penetration Fittings (F-Series-D) for DoubleWall Installations are only warranted when installed by a Bravo Certified DoubleWall Installer. No other express warranties given and no affirmation of S. Bravo Systems, Inc., or its agents and/or representatives, by words or action, will constitute a warranty. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

This warranty is void if there is any evidence of modification, abuse, negligence, or improper installation. If any fittings or components, other than S. Bravo Systems approved fittings or components, are used in conjunction with any S. Bravo Systems product, the warranty pertaining to these products is immediately void.