

# B-600 Commercial Series

TRANSITION SUMP INSTALLATION MANUAL

## *SINGLE WALL TRANSITION SUMPS*

FOR STANDARD MODELS B-630, B-640, B-650 AND VARIATIONS  
WALKOVER LID - **PEDESTRIAN TRAFFIC ONLY**



ii-B600-Commercial-SW-11A

**S. Bravo Systems, Inc. - The Leader in Secondary Containment**



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11A

# MANDATORY

The B-600 SingleWall Piping / Transition Sump Series from S. Bravo Systems, Inc. **MUST** be installed by, and only by, **Bravo Certified Installation Contractors**. Details can be found at [www.sbravo.com/cert.htm](http://www.sbravo.com/cert.htm)

# IMPORTANT

**READ THESE INSTRUCTIONS - KEEP FOR FUTURE REFERENCE**

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## REQUIRED TOOLS

(NOT PROVIDED)

Power/air Sanders. Acetone to clean up tools/applicators. Power Cutting Tools.

## RECOMMENDED

### Bravo Sand Kits

Bravo sand kits are sized to the fitting types you have and provide the best possible grind quality.

# NOTICE

- ***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, tampering, negligence or improper installation.***
- ***For assistance please call Bravo for technical support at (800) 28-BRAVO. Outside the U.S.A. please call (323) 888-4133.***

**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.

## 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.

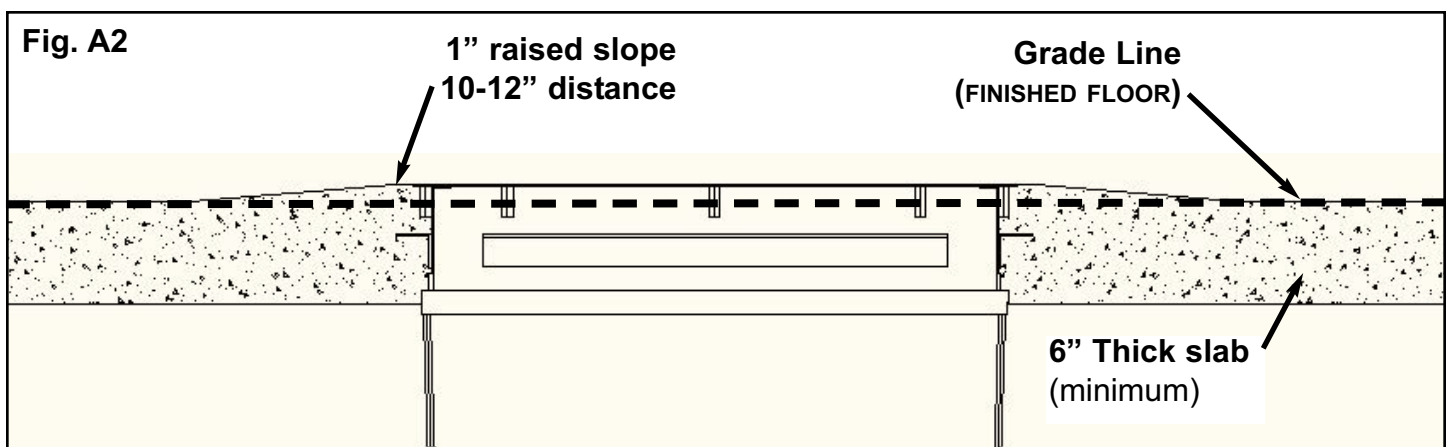
## A - SUMP POSITIONING & SECURING

**A.1** - Determine the permanent position of the B600 Commercial Series Sump according to your specs. During positioning, leave the access cover dry-fit to the top of the transition sump. Rest the sump on a bed of peagravel to position it and make it level. **DO NOT SET THIS SUMP ON TOP OF A RIGID MATERIAL SUCH AS CONCRETE. THE SUMP MAY ONLY BE PLACED ON PEAGRAVEL**

### IMPORTANT

**A.2** - The top of Access Cover (when dry - fit) needs to be 1" INCH above the planned grade (finished floor). plan to slope your concrete away from the edge of the sump 10-12 inches in all directions to mitigate water travel over the top. **Fig A2.**

**A.3** - Using local hardware, frame or scaffold the box into a permanent fixed position to prevent any shifting or movement prior to pouring of concrete. Ensure that you have full access to the sump wall(s) where you will be installing your entry fittings. Also make sure that the backfill is under the sump.



## B - PENETRATION FITTINGS

**B.1** - Remove access cover and plan out your entry fitting positions. Proceed to hole-saw your sump and install your entry fittings. Bravo highly recommends using the F-Series or FF-Series all-fiberglass entry fittings. (more info at [www.sbravo.com / fs](http://www.sbravo.com/fs))

### IMPORTANT IT IS RECOMMENDED THAT YOU ABRASIVE THE SUMP WALLS FLAT WITH A BRAVO SAND KIT FOR YOUR FITTINGS

**B.2** - Refer to your pipe manufacturer's Installation Instructions to install piping and/or vent lines.

**B.3 - AST Compression Fittings.** If you have AST fittings installed to the top of the sump or you are field installing them, simply loosen the compression nut and slide your riser piping through the fitting into the sump to the elevation you require. The compression gasket is pre-greased by the factory. Use the Bravo Compression nut tool (**Part No. WR-3**) to torque down the compression nut **1/4 to 1/2 turns past hand-tight. Do not overtorque this compression nut.**

# C - WATER TESTING SUMP / FITTINGS

## IMPORTANT

*It is recommended that all piping and conduits be connected at this time. Clear all debris & materials from the transition sump. All field installed penetration fittings must be water-leak tested.*

**C.1-** To test your sump and the field installed fittings, first ensure that a bed of backfill is under the sump to completely support its weight while it is filled with water. Do not hang the sump from beams or scaffolding.

**C.2-** Fill the box with water to **2 inches** above the highest fitting. Visually observe for leaks, paying particular attention to any entry fittings installed to the sump walls. If there are no leaks, proceed to remove the water.

If a fracture or leak is found in the sump wall, proceed to **Step D** (below) for repair instructions.

If a leak is found at a penetration fitting and they are Bravo brand, **call Tech Support immediately.**

## D - IF ANY LEAKS ARE FOUND!!

**A:** Locate leak point(s) and mark with marker so you can locate it / monitor it.

**B: FOR FIBERGLASS REPAIRS:** Abrade a 3" diameter area centered on the leak point until flow coat is gone and natural resin/fiberglass material can be seen. Dust with shop brush or compressed air and do not use shop towels or acetone. Use your fiberglass pipe manufacturers adhesive or a repair kit by Bravo Systems to repair the sump wall surface. Make sure area is properly abraded, completely clean and dry before repair. For anything larger than pinhole leaks or cracks you must call Bravo Tech Support.

**C:** Follow adhesive manufacturers instructions for proper cure times. Allow a full and complete cure before continuing to water test.

**D:** Water test your repair job again and inspect the entire sump, not only your repair.

## E - Backfill and Pouring the Concrete

**THIS SUMP IS NOT RATED FOR VEHICLE TRAFFIC !!**

**E.1** - Prepare site for concrete pouring. Backfill with peagravel around transition sump. Place your peagravel in such a way that the concrete poured around the sump is even and within the dimensions shown in Fig. E.1.

A concrete pad must be set 360° around the transition sump a minimum of 6" thick from the grade line. Do not forget the 1" slope from the raised transition sump to mitigate water travel over the top of the sump. Fig. E1.

### **▲ CRITICAL**

**BOLLARDS ARE MANDATORY** if your transition sump is installed in an area with vehicle traffic.

**DO NOT SET THIS SUMP ON TOP OF A RIGID MATERIAL SUCH AS CONCRETE. THE SUMP MAY ONLY BE PLACED ON PEAGRAVEL**

**E.2** - The concrete should wrap 360° around the transition sump a minimum of 12" away in each direction. Fig. E2.

**EXISTING SITES:** When attempting to set your transition sump as close to a structural wall or other barrier as possible, the minimum requirement between a fiberglass wall and barrier is two (2") inches of pea-gravel. This rule applies to all vertical walls and the bottom of Bravo transition sumps. When there is concern of lateral load or possible crushing force from a wall, you can substitute the pea-gravel between the sump and the wall with sand or low-density styrofoam planks. When installed next to a load-bearing wall or structure, you should maintain a gap between the concrete encasing the Bravo Transition Sump and the wall. This gap should be sealed with backerrod and sika-flex to keep the sump independent of the wall.

