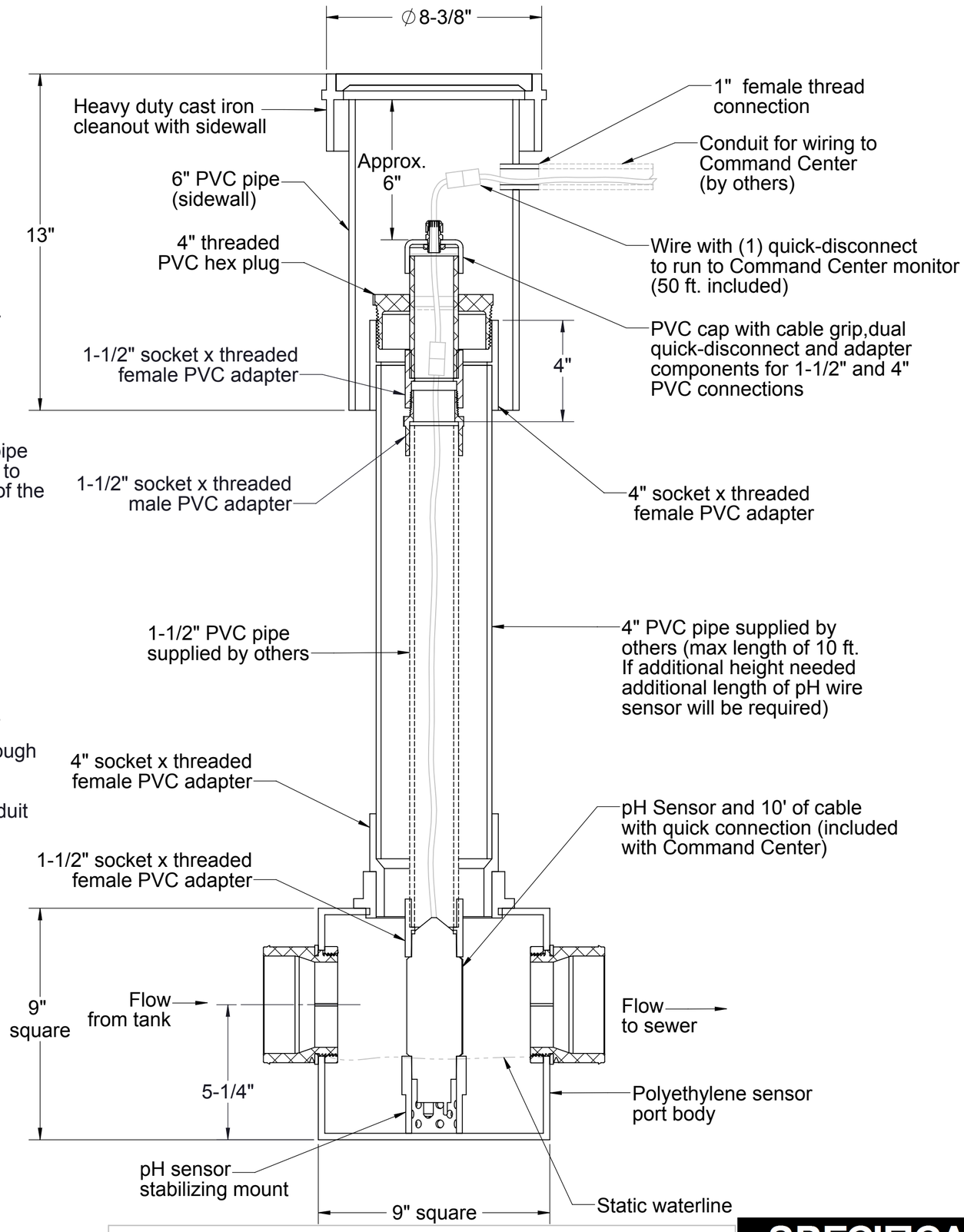
Installation Guidelines:

1. Connect outlet piping from upstream tank (neutralization tank) to one of the 4” plain end connections on the body of the Sensor Placement Kit (SPK-B) using a flexible coupling. It does not matter which 4” plain end connection you use as they are interchangeable.
2. Connect the other 4” plain end connection to the piping which leads to the sewer using a flexible coupling.
3. Establish the finished grade where top of cast iron cleanout will sit. Leaving about 6” between the bottom of the cast iron cleanout cover and the top of the 1-1/2” PVC cap, measure the length of 4” PVC pipe needed to connect the two 4” PVC hub adapters. (4” PVC pipe by others).
4. Glue one end of the 4” PVC pipe to the 4” PVC hub adaptor on the top of the sensor port body.
5. Glue the other end of the 4” PVC pipe to the upper 4” PVC hub adapter.
6. Take a measurement from the top of the upper 4” PVC hub adaptor to the inside bottom of the sensor port body. Adjust this measurement to account for the length of the pH sensor assembly (pH sensor, stabilizing mount and 1-1/2” hub adapter all - 4 inches). Cut a length of 1-1/2” PVC pipe per the above dimension and assemble the parts together WITHOUT glue to make sure the pH sensor stabilizing mount sits on or just above the floor of the sensor port body when the 4” PVC threaded plug is placed back into the adapter.
7. Once measurements are correct, push wire from pH sensor through the 1-1/2” PVC pipe and glue pipe and pH sensor assembly together.
8. Connect the other end of the pH sensor wire to the quick-disconnect in the assembly containing the 4” threaded PVC plug. Now, the other end of the 1-1/2” PVC pipe may be glued to the 1-1/2” PVC fitting in the 4” threaded PVC plug.
9. Remove the protective rubber cap from the bottom of the pH sensor. Connect the stabilizing mount to the bottom of the pH sensor.
   a. **Caution:** Take special care not to damage the glass tip on the pH sensor!!
   b. Place this new pH sensor and 1-1/2” PVC pipe assembly down through the upper 4” PVC hub adaptor and thread the plug into the adaptor.
10. Once final placement of the cast iron cleanout is established, connect conduit to 1” female connection provided in the sidewall of the cleanout.
11. Connect upper quick-disconnect to wire (50 ft. provided with kit) that leads to the Command Center monitoring cabinet.



MODEL NUMBER: SPK-B			
DESCRIPTION: BELOW GRADE SENSOR PLACEMENT KIT INSTALLATION GUIDE			
DWG BY: RS	**DATE:** 3/1/17	**REV:**	**ECO:**

SPECIFICATION SHEET

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