

CONCRETE PIPE DIVISION

Precast Concrete Stormceptor
STC 4501

Installation Guide

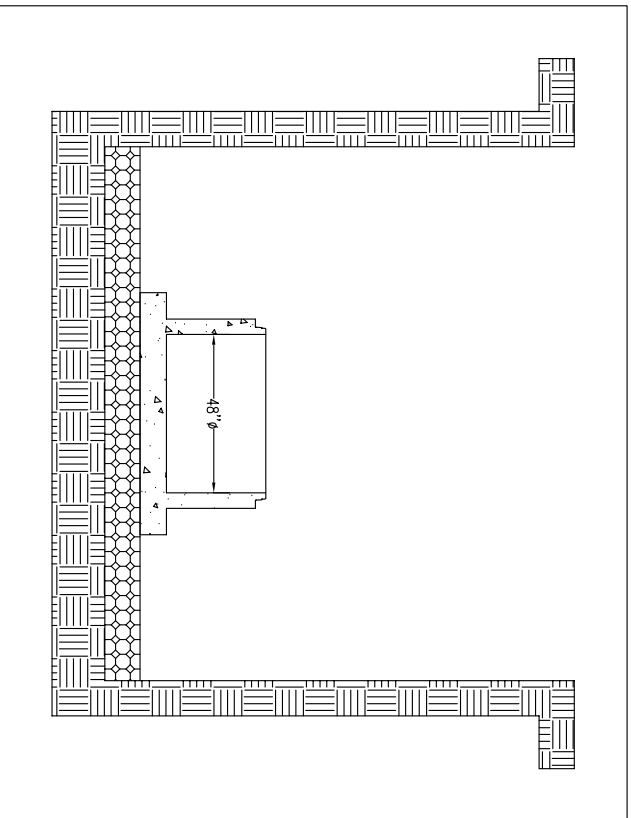
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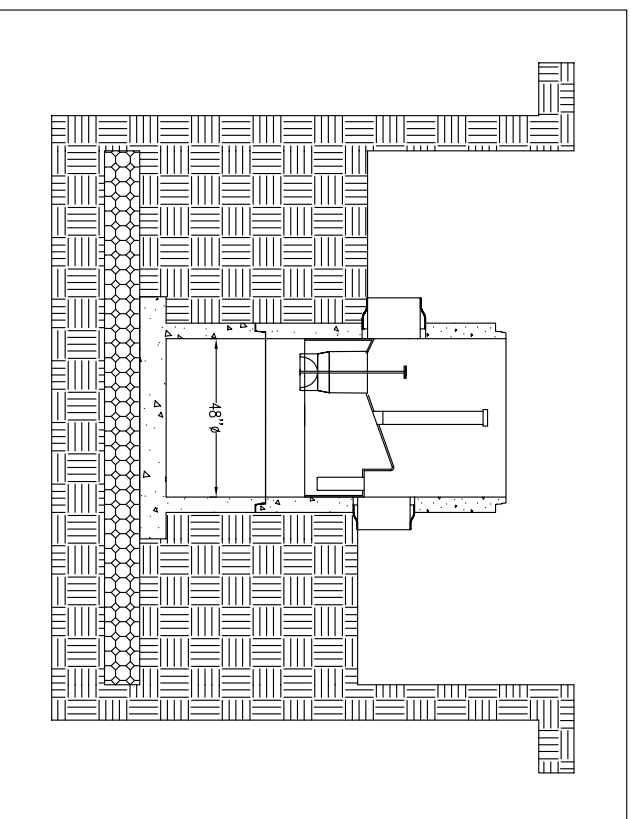
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1. FOLLOW ALL LOCAL, STATE AND FEDERAL SAFETY REGULATIONS AT ALL TIMES DURING THE EXCAVATION AND INSTALLATION OF THE STORMCEPTOR UNIT.
2. ALL PIECES ARE GASKETED. FOR GASKET ASSEMBLY, SEE "PROFILE GASKET ASSEMBLY GUIDELINES" DETAIL.
3. EXCAVATE HOLE TO THE PROPER DEPTH AS SHOWN ON THE ENGINEERED DRAWINGS ALLOWING FOR 3" TO 6" OF SUB-BASE.
4. MEASURE OUTSIDE DEPTH OF BASE, CONTAINMENT CHAMBER, AND RISER WITH INSERT TO PROPOSED INVERT OF STORM LINE, TO VERIFY REQUIRED DEPTH OF EXCAVATION.
5. PLACE GRANULAR SUB-BASE AND COMPACT TO LOCAL/STATE STANDARDS AS PER THE ENGINEERS REQUIREMENTS.
6. SET BASE SECTION AND LEVEL (CHECK ELEVATION).



7. INSTALL SECTION OF STORMCEPTOR UNIT WITH FACTORY INSTALLED INSERT (CHECK ELEVATION AND VERIFY THAT UNIT IS LEVEL).
8. INSTALL STORMCEPTOR INTERNAL PIPING (SEE DOWN PIPE INSTRUCTIONS).
9. PLUG AND GROUT LIFTING HOLES IF PRESENT.
10. BACKFILL UNIT TO THE INLET AND OUTLET PIPES USING COMPACTED GRANULAR FILL OR MATERIAL APPROVED BY THE ENGINEER. COMPACTION DENSITY AND LIFT HEIGHT SHOULD CONFORM TO LOCAL/STATE GUIDELINES.

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STC 450i

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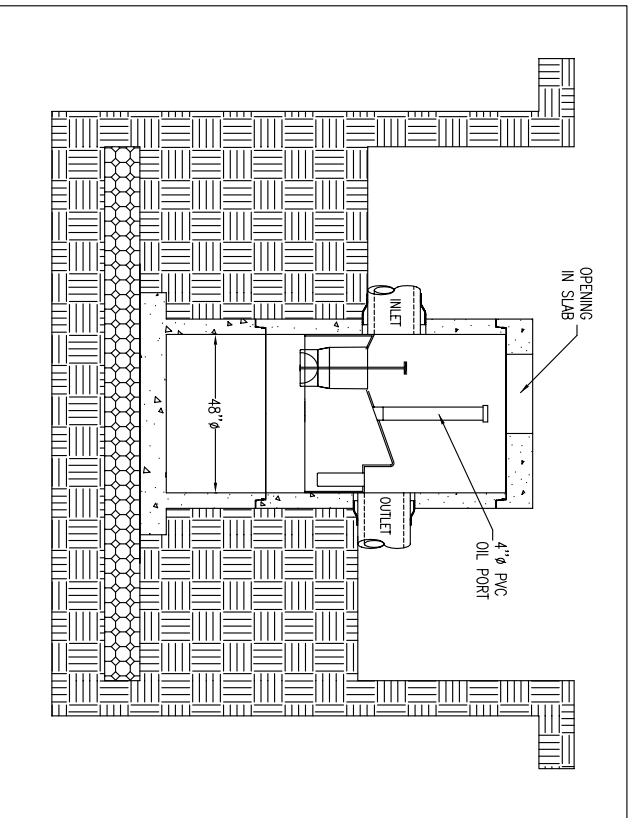
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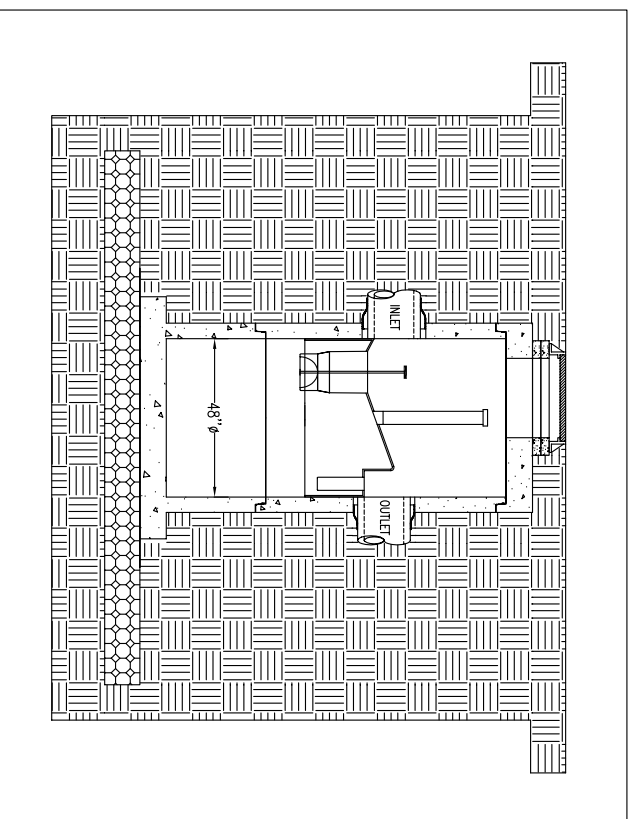
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11. INSTALL INLET (IF PRESENT) AND OUTLET STORM DRAIN PIPE.
12. IF FLEXIBLE CONNECTION IS USED, TIGHTEN THE CONNECTOR OVER THE PIPE TO THE MANUFACTURER'S RECOMMENDED TORQUE.
13. INSTALL ADDITIONAL RISER SECTION(S) IF NECESSARY.
14. INSTALL TOP SLAB SUCH THAT THE OPENING IN THE SLAB ALLOWS ACCESS TO BOTH THE OIL PORT AND THE INLET DROP PIPE.

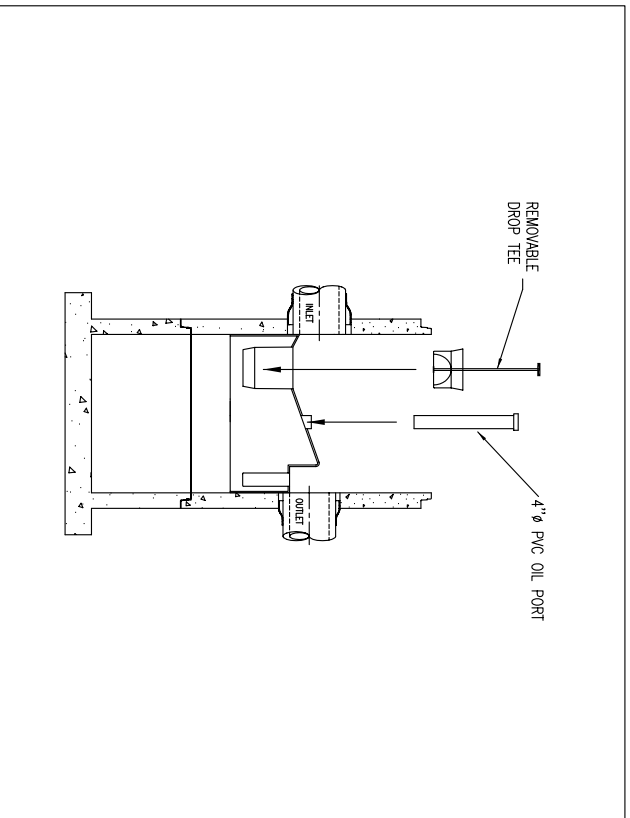


15. INSTALL AND SET GRADE ADJUSTMENT RINGS IN A FULL BED OF MORTAR (AS REQUIRED).
16. INSTALL FRAME AND GRATE AT THE FINISHED GRADE ELEVATION IN A FULL BED OF MORTAR.
17. BACKFILL UNIT UP TO FINISHED GRADE USING COMPACTED GRANULAR FILL OR MATERIAL APPROVED BY THE ENGINEER. COMPACTION DENSITY AND LIFT HEIGHT SHOULD CONFORM TO LOCAL/STATE GUIDELINES.

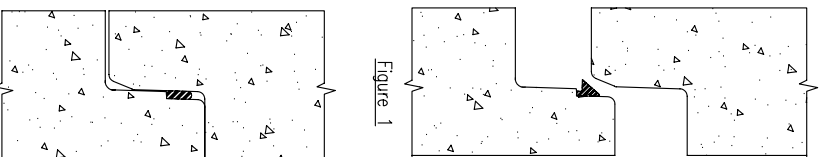
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- DOWN PIPE & VENT PIPE INSTALLATION INSTRUCTIONS**
1. INSTALL 12"Ø GRATED COVER AND 4"Ø TEE FROM THE TOP OF THE DISC INSERT (NOTE: TEE SHOULD BE INSTALLED SUCH THAT OPENINGS ARE FACING SIDE WALLS).
 2. GLUE INTO PLACE WITH CHEMREX 948.
 3. IF NOT ALREADY ATTACHED, ATTACH 4"Ø PVC OIL PORT (EXTENDS TO SURFACE) TO PROVIDED FRP COUPLING WITH CHEMREX 948. IF OIL PORT EXTENDS TO COVER, CUT AS REQUIRED.



PROFILE GASKET ASSEMBLY GUIDELINES

1. The precast Stormceptor section should be handled with care to avoid any damage to the bell or spigot end.
2. Clean all dirt and debris from the spigot and bell surfaces.
3. Place the profile gasket on the step of the cleaned spigot. The fin of the gasket should point towards the shoulder of the spigot. (See Figure 1)
4. After the gasket is seated on the spigot, the gasket will need to be equalized. Insert a smooth round rod between the gasket and the spigot. Run the rod around the entire circumference of the joint several times to equalize the gasket. Take care not to cut or damage the gasket.
5. Apply joint lubricant to the inner surface of the bell including the leading edge. Lubricate the spigot and gasket.
6. Align the Stormceptor units and gently push the joint home. (See Figure 2)

IF JOINTING PROBLEMS ARISE CONTACT THE STORMCEPTOR REPRESENTATIVE IMMEDIATELY. DO NOT TRY AND FORCE THE JOINT HOME AS THIS MAY CAUSE DAMAGE TO THE JOINT.

Figure 2