



UTILITY DEPARTMENT

June 8, 2012

Revised May, 23-2017

CITY OF PALM COAST/ UTILITY DEPARTMENT
2 UTILITY DR.
PALM COAST, FL 32137

City of Palm Coast Residential Gravity Sewer tie-in Inspection Information / Requirements

The Sewer Tie-in Inspection is to assure all connections are properly connected and the following City of Palm Coast Utility standards are used.

- 1) A sewer Tie-in cannot be cut into a cleanout stack pipe, have a vertical drop or connect into an adjacent lots sewer service line.
- 2) A Tie-in must be to the correct side of a shared wye.
- 3) The Utility Division does not allow 90-degree bends or hard 90-degree tees in the sewer piping.
- 4) For bends greater than a 45-degree use a combination of bends 45 degree or smaller with a minimum 3" separation.
- 5) For the Utility's Service Line Tie-in Cleanout use a Tee Wye or Wye placed horizontally with the wye side up and a bend no greater than 45 degrees to make a vertical stack pipe to the cleanout body and flush mounted threaded cap. This assures piping access in a direction away from the building and does not restrict the utilities ability to perform maintenance on the sewer service lines.
 - The Cleanout will be located inside the easement adjacent to the right of way and as close to the tie in as reasonably possible.
 - The Cleanout Riser and wye will be in the horizontal run before the piping turns down to the service tie in depth.
 - Cleanouts are not allowed to be on an adjacent property
 - Install 4" PVC piping between the Tie-in and the resident's house.



UTILITY DEPARTMENT

- 6) When connecting to a 6" Single service for a residential lot a 6"X 4" Eccentric Reducer installed by the plumber with the flow channel side at the bottom to maintain a consistent flow channel.
- Install Tie-in piping directly into the pipe bell or use a coupling at the end of the existing lateral stub or the wye.
 - For **Clay pipe**, use the correct **CLAY to PVC** Gasket and be fully homed or inserted.

See the attached residential sewer connection detail

- 7) In several areas such as **Wild Oaks** subdivision, the **Tidelands** and the most northern subdivision of **Grand Haven**. In areas, a **6" cleanout stack with cap installed** above grade during subdivision construction for each service location.
- At these locations, the plumber is to tie-in at the bottom Wye of the riser pipe with a 6" X 4" Eccentric Reducer.
 - The Plumber shall cut the 6" cleanout riser pipe and Install a 6" cleanout body with a flush mounted threaded cap and set flush to final grade.

See the attached detail for the proper installation for the existing 6" Tie-in Cleanout.

City of Palm Coast Residential Sewer tie-in to a PEP Tank Information / Requirements

- 8) Place the PEP Tank Cleanout within 3' from the end of the tank. A pep tank tie-in usually does not require bends to the tie-in depth. Previously stated gravity sewer tie in Requirements 1) thru 5) will also apply.
- No plantings or driveways may be placed within 4 ½' from the sides of the lid, 3' in front or 9' behind the PEP Tank lid.
 - The Panel will be within 5' of front corner of the building minimum of 3' and 5' above grade maximum with a 3' x 3' Limited Planting Zone and on same side of the lot as the pep tank.
 - All PEP Tanks and Panels Must be located outside of any fenced areas.

See the attached detail for Water Meter; PEP Tank and Panel Clear Zone also PEP tank tie-in



UTILITY DEPARTMENT

The Builder or Plumber must call in a request using the 9450 Utility Sewer Tie-in Inspection Code. The tie-in inspection is a visual inspection performed the day requested, while the hole is open and all piping is exposed. This will require effective communication between the plumber and the city inspector to limit the time the excavation is open.

- This process is required in an effort to maintain safety, control ground water intrusion, and avoid cave-ins or other conditions that may require the immediate backfilling of the excavation.
- **The inspection fails** if the tie-in is backfilled or not visible before the inspection, and must be called back in for re-inspection with a fee.

On the day of the inspection, the plumber will call the city inspector and coordinate the expected time that the tie-in will be ready for the inspection.

- Tie-in Inspections scheduled between the hours of **7:30am and 3:30pm.**
- Please call the tie-in inspector between **7:30 am and 9 am** the day of the inspection to coordinate a time for inspection.
- To avoid a failed inspection the plumber should **immediately** call the inspector to cancel or reschedule the inspection if they cannot meet coordinated time.

**For help with a Sewer tie in you may contact the Construction Site Inspectors
Construction Management and Engineering Division**

Martin Bacon --- # 386-986-2356

Jim Nichols --- # 386-986-3767

Lawrence Fitzgerald --- # 386-214-3376

Danny Spencer --- # 386-986-2640

Please contact these inspectors for sewer tie-in inspections only!