

## UEP HOOKUP INSTRUCTIONS

NOTE: Section & Table references are from the Florida Building Code – Plumbing

For questions related to procedures for hook-up call 239-242-3632.

*Please be aware that the permittee is responsible for any damage to City infrastructure, including the roadside swales, pavement, etc. All damage, including replacement of damaged bioswale media, must be repaired prior to final inspection and closure of the permit.*

### **WATER HOOK UP - 2023 FLORIDA BUILDING CODE - PLUMBING - SECTION 312.5 for TESTS AND INSPECTIONS and SECTION 610.1 for DISINFECTION OF POTABLE WATER SYSTEMS**

1. A permit is required. One permit will be issued for both water and sewer hook-up. The plumber or the homeowner can obtain permits for new construction and existing structures from the Utilities Customer Service/Billing Division at 1015 Cultural Park Blvd.
2. No cross connection between a potable water supply and any non-potable water supply is permitted. (Existing well and City potable water shall be separate.)
3. Schedule 40 or Schedule 80 PVC, ASTM D 1785 shall be run from the meter to the building. Please refer to Water Service Minimum  $\frac{3}{4}$ " in Section 603, and Separation Water Service and Sewer in Section 603.2. Pipe labeling shall face upward for viewing at time of inspection.
4. Pipe must be at least 12" deep after final grade. Please refer to guidelines set forth in the Water Supply Test, Section 312.5.
5. Dual check valve installed by City on meter must not be removed.
6. Shut off valve must be installed where the water line enters the building.
7. A vacuum breaker on the sprinkler system is required if the potable water is hooked to the sprinkler system.
8. Properly notarized affidavits are required certifying that the person performing the connection has properly completed the water test and disinfection. The notarized affidavits must be submitted to Customer Billing Services.
9. Commercial, industrial, and multi-family (3 or more units) sites are required to install an RPZ Backflow Preventer at the service connection immediately following the water meter. The units shall be maintained by the property owner at their expense. Certification is required at the time of installation. Annual testing is required thereafter. Only American Water Works Association or State Certified Backflow Preventer Testers are allowed to test and certify the backflow preventers. Record keeping of the test reports will be maintained by the City of Cape Coral. All certification reports should be sent to 1800 Everest Parkway, Utilities Division, Collections and Distribution Construction Office, or emailed at [ucinfo@capecoral.net](mailto:ucinfo@capecoral.net). Please call 239.574.0851 to arrange for an inspection.
10. Submission of the Potable Water and/or Gravity Sewer Test Affidavit and the Affidavit of Chlorination will automatically schedule the water/sewer inspections for the next business day depending on the volume of inspections requested. These forms can be found by entering Affidavit of Chlorination or Gravity Sewer in the search index on the City's website [www.capecoral.gov](http://www.capecoral.gov). **LEAVE THE TRENCH OPEN UNTIL THE INSPECTION HAS BEEN APPROVED.**
11. For dual water (irrigation) connections, please refer to "Materials" for non-potable water in Appendix F, Part IV, A (1) Purple Pipe.

### **SANITARY SEWER HOOK UP - 2023 FLORIDA BUILDING CODE - PLUMBING - SECTION 312.6 - TESTS AND INSPECTIONS**

1. A permit is required. One permit will be issued for both water and sewer hookup. The plumber or the homeowner can obtain permits for new construction and existing structures from the Utilities Customer Service/Billing Division at 1015 Cultural Park Blvd.
2. The permit issued must be posted in plain view. The permit must state the name of the installer and will be signed by the inspector upon completion.
3. An accessible two-way cleanout shall be installed not less than 18" from the building and every 80' thereafter.
4. The 4" sewer pipe shall have a minimum of  $\frac{1}{8}$ " fall per foot as set forth in table 704.1
5. Bends cannot exceed 45 degrees. A combination of bend can be used to achieve proper direction.
6. Pipe shall be approved for non-pressure sewer use and marked ASTM D 3034 – PVC SDR 35 minimum or PS 50 minimum. Pipe shall be laid so that any identifying markings face upward for viewing at time of inspection.
7. The electronic marker shall be replaced in its proper position at the connection to the City service lateral.
8. Pipe shall be buried with 12" of cover. After inspection, clean fill shall be used to backfill. Please refer to guidelines set forth in the Gravity Sewer Test Section 312.6, Trench and Back Fill Section 306, Joints, Section 705.

9. A properly notarized affidavit certifying that the person performing the connection has properly completed the gravity test is required. The notarized affidavit must be submitted to Customer Billing Services.
10. Submission of the Water/Sewer affidavit will automatically schedule the Water/Sewer inspections for the next business day depending on the volume of inspections requested. This form can be found by entering Gravity Sewer in the search index on the City's website [www.capecoral.gov](http://www.capecoral.gov). **LEAVE THE TRENCH OPEN UNTIL THE INSPECTION HAS BEEN APPROVED.**
11. Once the inspection of the sewer hookup is complete, contact the Lee County Health Department (239-690-2100) concerning the septic tank abandonment inspection.

## **DUAL WATER (IRRIGATION) HOOK UP** - 2023 FLORIDA BUILDING CODE: APPENDIX F, PART IV: MATERIALS

1. The most practical way to use irrigation water is through an in ground automatic sprinkler system. When the service box is installed, a 1" PVC fitting will be provided. The customer will then install a pipe (1" schedule 40 PVC is acceptable) from the service box to the sprinkler control feed. This pipe must be buried at least 12" deep. You must disconnect your irrigation system from the well piping before connecting to the City's irrigation water. It is not allowed for the City's irrigation water to be used for drinking, bathing, filling swimming pools or direct contact watering of edible crops, which are not peeled, skinned, or cooked. It may NOT be piped into any residences or piped to any other hose connection.
2. PVC pipe should comply with one of the following standards ASTM D 1785, ASTM D 2241, AWWA C-900, or AWWA C- 905. SDR-PR pipe shall have a minimum wall thickness as required by SDR-26. All pipe used with effluent water systems shall be designated for non-potable use by either label or by the industry standard color purple.
3. All solvent-weld PVC fittings shall, at a minimum, meet the requirements of Schedule 40 as set forth in ASTM D 2466.
4. Threaded PVC pipe fittings shall meet the requirements of Schedule 40 as set forth in ASTM D 2464.
5. PVC gasket fittings shall conform to ASTM D 3139. Gaskets shall conform to ASTM F 477.
6. PVC flexible pipe should be pressure rated as described in ASTM D 2740 with standard outside diameters compatible with PVC IPS solvent-weld fittings.
7. PVC cement should meet ASTM D 2564. PVC cleaner-type should meet ASTM F 656.
8. For dual water inspections included on a 'Utility Hookup' permit, submission of the Potable Water and/or Gravity Sewer Test Affidavit and the Affidavit of Chlorination will automatically schedule the dual water inspection for the next business day depending on the volume of inspections requested. These forms can be found by entering Affidavit of Chlorination or Gravity Sewer in the search index on the City's website [www.capecoral.gov](http://www.capecoral.gov). For dual water inspections included on a 'Dual Water' permit, the inspection will need to be scheduled using either IVR or via the internet. See inspection scheduling procedures below. **LEAVE THE TRENCH OPEN UNTIL THE INSPECTION HAS BEEN APPROVED.**