

# VILLAGE OF CORRALES

## GUIDE

### Items to consider when hooking up to the Village of Corrales Wastewater System

- A well planned project will illuminate unnecessary cost and time some items to consider area follows:
1. **Application**-Is application complete? Yes/ no.
  2. **Payment**-Has payment been received from property owner? Yes /no.
  3. Is the property Commercial or residential
  4. **Site Plan** -Has a site plan been provided? Yes/ no.
  5. **Right of Way Access and Easements**-Has applicant provided all necessary easements to the Village to include ditch crossing? Yes /no
  6. **Contractor**-Who will be installing the STEP System for the property owner? Name and phone number of contractor/ plumber.
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7. **Electrician**-Who is the Electrician that will connect the system? Name and Phone number.
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8. **Permits**
    - The Electrician will be required to obtain a permit from Construction Industries Division and an inspection from the State will be required from the breaker to the control panel this is a separate inspection.
    - The Wastewater Operator will inspect and verify that the pumps, floats and control panel are in working order. The said inspection will require water in the STEP system to verify that the said equipment is functioning per manufacture recommendations.
  9. **Location and Depth**
    - All lateral connections from the main to the service valve are at a depth of 4'.
    - No service shall be installed less than 3' in depth. NO EXCEPTIONS
  10. **Excavation and Backfill**
    - All excavation should be planned ahead with a traffic control plan to prevent potential incidents from occurring.
    - Use Traffic devices to alert traffic, Traffic Cones, Barrels, Orange Fencing, and Warning Signs.
    - The backfill shall be select backfill. If native soils are rocky, and or clay, the pipe shall be bedded with fine sand and or crushed gravel over and under the pipe.
  11. **Pipe**
    - PVC Schedule 80 or SDR-21 with solvent welded joints is normally used in conjunction with schedule 80 fittings. SDR-7 HDPE may also be used. It is

recommended that the location of the service be identified to reduce potential damage to the service by mechanical excavation.

- If the pipe is being installed during the winter months verify that the glue and primer are not frozen. This will cause leaks due to the solvent welded joints not bonding.

#### **12. Warning Tape and Tracer Wire**

- “Warning Tape and Tracer Wire is required from the Step system to the Service Connection.
- The warning tape shall be 4” Wide, green in color with the following “Non-Potable water” or “Sewer Line” and shall be installed 18” above the service line.
- Tracer wire shall be 10 gage solid wire coated and will be secured to pipe, one end will be exposed at the STEP system and the other end will be placed inside the valve box and folded to the top of valve box.

**13. Check Valve and Ball Valves-** A Check Valve shall be installed with a vault prior to the service connection, (the vault needs to be centered to allow access for operation of the ball valves, in order to remove the check valve unions are required between the valves and the check valve) to the Villages Forced Main. The location will be out of high traffic locations. (Note: The vault needs to be centered to allow access for operation of the ball valves, in order to remove the check valve unions are required between the valves and the check valve).

**14. Operation and Maintenance Manuals-**Has property owner received Operations and Maintenance Manuals, Installation Manuals Trouble shooting Guide for the STEP System.

#### **15. Existing Septic Tanks**

- Is the existing septic tank permitted with the New Mexico Environmental Department? Yes/ no.
- Is the Septic Tank Concrete or Fiberglass?
- Is the Septic Tank a Single Chamber, Double Chamber or a Holding Tank?
- If the septic tank exists it will have to be emptied to check for cracks. A careful inspection of the septic tank is required, as septic tanks often leak infiltration can occur in areas of high water table and or exfiltration can occur.
- If the tank is cracked it will have to be replaced and brought up to code.

#### **16. New Septic Tanks**

- When a new septic tank is installed in areas where ground water will be above the septic tank floor the septic tank will be secured against floatation.
- Septic tanks shall be doubled chambered, the inlet/ out shall be water tight to prevent leakage.
- Provide specifications to the Village on the construction of the new septic tank.

#### **17. Septic Raisers**

- Septic Raisers shall be secured to prohibit desired removal. Unauthorized removal of the septic risers should be discouraged though the use of “Tamper – Resistant Construction or Locking Devices”

- Septic Risers shall be sealed with a water proof caulking to prevent any potential leakage and shall be secured and with screws so that riser will not be removed.

### 18. Separation Requirements

The separation of potable water and wastewater lines shall be at least 10' horizontal separation.

- Pressure sewer lines and potable water lines shall be identified by color code warning tape.
- Where pressure sewer mains are installed on one side of the street, and service line connections from the opposite side of the street it will be installed by boring if the street is surfaced, or installed within a bored casing in heavily traffic areas.

### 19. Grease Traps

- Grease traps will not be connected to any STEP System no exceptions.
- Fatty oils, grease and petroleum oils will not be permitted to be discharged into the system.
- Business with grease trap will be required to maintain manifest grease traps and keep the grease trap in compliance with state and local (Village) requirements.
- OR
- If a commercial business has a grease trap it is the responsibility of the property owner to demonstrate that the grease trap is in compliance will all Environmental Department Regulations

### 20. Inspection(s)

- The Village will pay for the first inspection.
- **If additional inspections are required the owner will be responsible to pay the Village an additional \$50.00 per inspection.** Inspections shall be performed by the Wastewater Operator.
- How about pre-inspections.

### 21. Security

- The MCC panel shall be secured with a lock to prevent tampering.
- If possible in high traffic areas it is recommended to install a security fence (chain link) around the system to prevent tampering with the system.