

## 3.0 **INSTALLATION**

### 3.1 INTRODUCTION:

This document establishes the installation procedures for the Bioclere secondary wastewater treatment system. It is recommended that these procedures be reviewed and approved by the engineer of record to ensure compatibility with specific site characteristics.

Aquapoint, Inc. assigns a project manager for each installation. Aquapoint can also arrange for the transportation of the system if it is desired.

Aquapoint provides onsite supervision of the installation, the fresh water commissioning of the Bioclere system and certification that the system is operational. Effective execution of these procedures requires coordination with the site contractor.

We request that the site contractor contact AWTE at 508-998-7577 to coordinate delivery, installation schedule and fresh water commissioning of the system.

### 3.2 PROCEDURE:

- A. Locate Bioclere from site engineering plans.
- B. Excavate to 18" below clarifier. De-water excavation if required.
- C. Add 12" (1.00 ft.) of clean 3/8" peastone.
- D. Install pre-cast mounting pad approximately centered to Bioclere location. (See AWT3014 Rev. C)
- E. Check to ensure mounting pad is level and elevation is correct.
- F. Carefully lower Bioclere into position with proper rigging and lifting techniques.
- G. Orient and align Bioclere to inlet and outlet directions. Check if Bioclere is level.
- H. Fill Bioclere with clean fresh water to bottom of outlet pipe to stabilize unit.
- I. If Bioclere is installed in groundwater refer to anchoring requirements on site plan and/or contact site engineer.
- J. If Bioclere is not installed in groundwater backfill excavation with clean 3/8" peastone and/or sand to within 12" of the inlet pipe. Check level of Bioclere.  
NOTE: Use care while backfilling to prevent Bioclere movement and/or damage to Bioclere.
- K. Install inlet, outlet and vent/test port piping.  
NOTE: Some installations specify vent piping back through building.
- L. Install recycle piping from Bioclere back to the inlet end of primary (septic) tank. The recycle line is 1-1/2" (2" for 36 series models) Schedule 40 PVC from the Bioclere to the outside of septic tank and Schedule 80 PVC inside the septic tank. Schedule 80 PVC to be installed against inside wall and at 2 the septic tanks liquid depth terminating with a 90° elbow. (See drawing AWT1012 Revision C)
- M. Install wiring with water tight conduit from control location to Bioclere.
- N. Back fill around Bioclere with sand and/or peastone to final grade.
- O. Install control box in protected location, connect power feed and Bioclere wiring.  
(See drawing AWT1005 Rev. F)