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TOWN OF COLONIE

DEPARTMENT OF PUBLIC WORKS
DIVISION OF PURE WATERS
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RESIDENTIAL GRINDER PUMP REQUIREMENTS

1. The grinder pump unit can be installed inside or outside of the building. Pump model would depend on installation location (Interior vs. Exterior).
2. The grinder pump control panel must include an alarm circuit containing an audible horn, warning light and reset button.
3. All electrical wiring for pump installation shall conform to applicable electrical code requirements.
4. Discharge piping shall be in accordance with pump manufacturer's/supplier's recommendation. Pipe type shall be PVC SDR 21 rubber gasketed bell and spigot joint pipe for size 1 ½" or larger. For 1 ¼" pipe, PVC Schedule 80 or PVC SDR 21 can be used with PVC compression couplings. Where 1 ¼" PVC bends are necessary, socket type Schedule 40 or Schedule 80 bends are to be used. Bends are to be glued to barrel of pipe outside of trench. 90° bends are not acceptable. Two 45° bends with 2 foot nipple are to be used to make 90° turn.
5. Connection to an existing manhole shall be core and seal boot type.
6. Discharge piping shall be installed with a minimum of 48" cover to prevent freezing. Suitable bedding and backfill material shall be placed to a minimum of 12" above crown of pipe.
7. A single #12 Gauge copper insulated tracer wire, continuous, shall be buried with pipe and terminated above grade at pump control panel for locating pipe in the future.
8. Burial tape labeled "Caution Buried Sewer Below" is to be installed 18"± below finish grade in pipe trench line, centered over pipe.
9. A hydrostatic (water) pressure test must be performed on discharge piping prior to pump connection. The pipe shall be pressurized to 90 psi and witnessed by a Pure Waters inspector.
10. All grinder pump installations shall include a double hand hole trap and fresh air inlet. Exterior pump installations will require a exterior cleanout to be installed on the building drain.
11. Prior to final approval of the grinder pump installation, the following documentation must be submitted to the Pure Waters Office:
 - a. For existing structures, a copy of the UL inspection for all electrical work associated with the pump installation. Not required for new construction.
 - b. Documentation by a representative of the pump manufacturer that the grinder pump was installed in conformance with the manufacturer's requirements and that the system was startup tested with verification of proper alarm activation.