♦3230 North Cole Street, Lima, Ohio 45801♦Phone: 419-996-4670♦Fax: 419-229-3297♦Website: .allencountyohio.com/san/san.html♦



#### Sanitary Engineering Department

Stephen M. Kayatin, P.E.

### Sanitary Engineer

INSTALLATION REQUIREMENTS

FOR

LOW PRESSURE PUMP SYSTEM SERVING

MULTIPLE FAMILY RESIDENCES

See Drawing GPD 2.0

1. House lateral to be 4” Schedule 40 PVC or SDR 35 PVC

ASTM D 1785 – PVC Schedule 40 – pressure rated

ASTM D 2665 – PVC Drain, Waste and Vent Pipe

ASTM D 3034 – SDR 35 PVC

2. Electric service to be 240v / 1ph / 60 Hz to the pump location.

3. Contractor to contact Allen County Sanitary Engineering Department 48 hours before scheduling start-up.

4. When ordering, the Contractor to determine:

1. Depth of cover over 4” inlet sewer.
2. Lengths of type TC direct bury cable required between pump unit and alarm panel.

5. Bill of Materials:

a. One of following E-One pumps or approved equal by ACSE Dept.:

DH 152-150 gallon tank capacity – 2 to 12 homes

DH 272-275 gallon tank capacity – 13 to 20 homes

DP 502-500 gallon tank capacity – 21 to 24 homes

4” inlet for 4” Schedule 40 PVC pipe

1¼” female NPT threaded outlet

b. Duplex MOD-260-1 alarm panel

1. Type TC direct bury electric cable to service pumps
2. 1¼” x 1½” Stainless Steel bushings
3. 1½” DR 11 HDPE (green stripe pipe) for discharge force main
4. Service Lateral Kit for 1½” SDR 11 HDPE Pipe

Valve Box to be plastic

1. Copperhead #12 AWG EHS green tracer wire installed with 1½” force main between the pump and the pressure main.
2. Corporation stop w/corporation saddle provided by ACSE Dept.
3. E-One Pump Station, appurtenances, and pricing contact information:

Covalen

Office: 877-770-8277

Cell: 574-870-9467

6. Pump Start-up

a. Electrical work to be completed before pump start-up can be scheduled.

b. ACSE Dept. to initiate and complete the start-up of the pump installation.

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