

## 5.02 LIFT STATION DESIGN CRITERIA

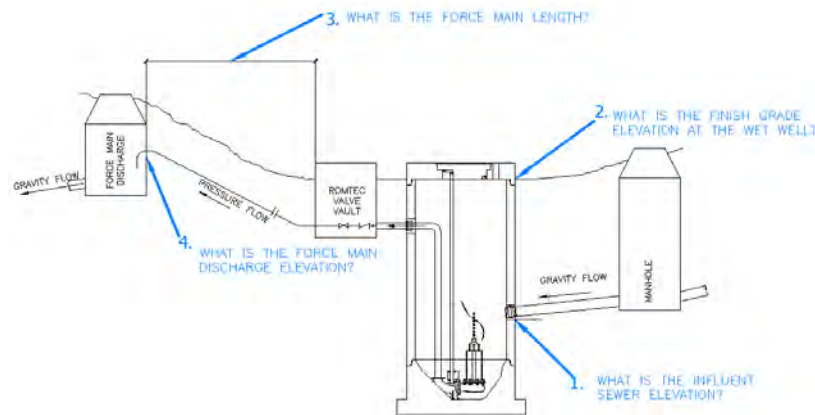
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

### PART 1: PROJECT CONTACT INFORMATION

|  |   |                              |                             |                              |
|--|---|------------------------------|-----------------------------|------------------------------|
| Date:  | <u>8/12/2016</u>                        |                              |                             |                              |
| Project Name:                                      | <u>McCormick Woods</u>                  |                              |                             |                              |
| Information here in provided by:                   | <u></u>                                 |                              |                             |                              |
| Name:  | <u></u>                                 |                              |                             |                              |
| Email Address:                                     | <u></u>                                 |                              |                             |                              |
| Telephone:   | <u></u>                                 |                              | Phone Ext: <u></u>          |                              |
| Project Site Address:                              | <u>Port Orchard, WA</u>                 |                              |                             |                              |
| ACAD site plan drawing available at this time?     | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Final Project Owner and/or Operator:               | <u>?</u>                                |                              |                             |                              |
| Governing Sewer or Water Authority:                | <u>?</u>                                |                              |                             |                              |
| Does Authority have a lift station standard?       | <input checked="" type="checkbox"/> No  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |
| Does this project require "Buy America" materials? | <input checked="" type="checkbox"/> No  | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> N/A |

### PART 2: DESIGN DATA

*Note: The drawing below is purely to represent elevations. It does not reflect the design of the lift station.*



|   |   |                                      |                                       |                               |
|---|---|--------------------------------------|---------------------------------------|-------------------------------|
| Source of Water:  | <u>?</u>  |                                      |                                       |                               |
| Water Type:   | <u>Stormwater</u>                               |                                      |                                       |                               |
| Peak design inflow (max flow to lift station):            | <u>85 g.p.m.</u>                                |                                      |                                       |                               |
| Pumping Rate:   | <u>100 g.p.m. (GREATER THAN PEAK INFLOW)</u>    |                                      |                                       |                               |
| 1. Influent sewer elevation:                              | <u>301.72 ft.</u>                               |                                      |                                       |                               |
| 2. Finish grade elevation at wet well:                    | <u>316 ft.</u>                                  |                                      |                                       |                               |
| 3. Force main length:                                     | <u>1630 ft.</u>                                 |                                      |                                       |                               |
| 4. Force main discharge elevation:                        | <u>384 ft.</u>                                  |                                      |                                       |                               |
| Force main diameter:                                      | <u>4 in. inside dia.</u>                        |                                      |                                       |                               |
| Force main material (PVC, DI, etc.):                      | <u>HDPE SDR 11</u>                              |                                      |                                       |                               |
| Force Main is:  | <input checked="" type="checkbox"/> New         | <input type="checkbox"/> New         | <input type="checkbox"/> Existing     |                               |
| Force Main Discharge (manhole, pressure force main, etc.) | <u>?</u>  |                                      |                                       |                               |
| Standby generator:  | <input checked="" type="checkbox"/> Permanent   | <input type="checkbox"/> Permanent   | <input type="checkbox"/> Portable     | <input type="checkbox"/> N/A  |
| Generator fuel:   | <input checked="" type="checkbox"/> Diesel      | <input type="checkbox"/> Diesel      | <input type="checkbox"/> Natural Gas  |                               |
| Power Supply:   | <input checked="" type="checkbox"/> 480V        | <input type="checkbox"/> 480V        | <input type="checkbox"/> 240V         | <input type="checkbox"/> 208V |
| Power Supply:   | <input checked="" type="checkbox"/> Three-Phase | <input type="checkbox"/> Three-Phase | <input type="checkbox"/> Single-phase |                               |
| Is lift station a classified space?                       | <input checked="" type="checkbox"/> Yes         | <input type="checkbox"/> Yes         | <input type="checkbox"/> No           |                               |