

## 5.02 LIFT STATION DESIGN CRITERIA



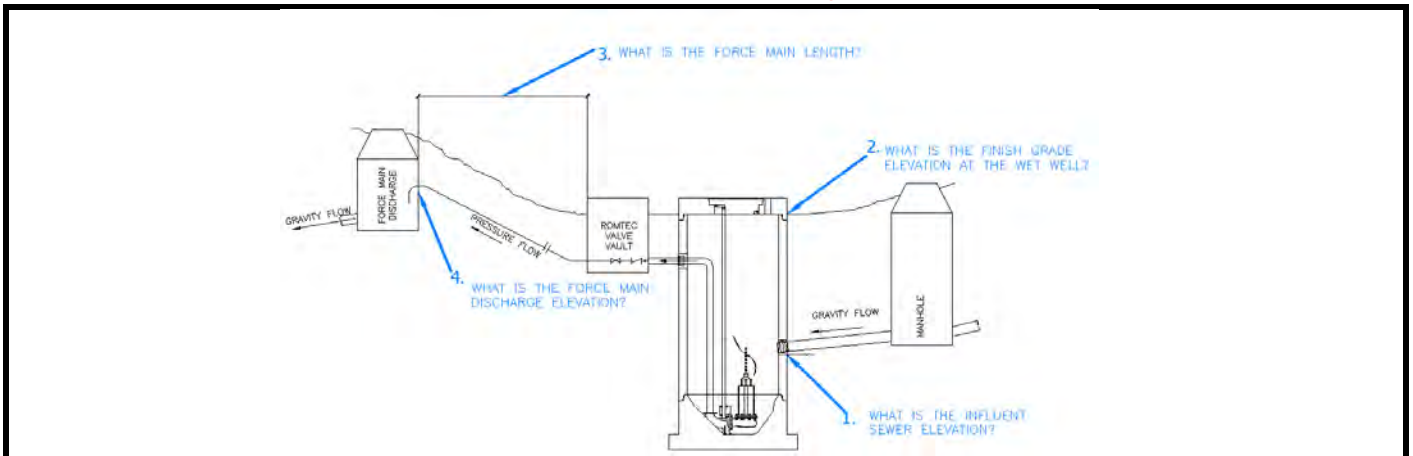
Romtec Utilities has designed this Scope of Supply and Design Submittal based on the following information:

### PART 1: PROJECT CONTACT INFORMATION

Date:	<u>2/23/2016</u>		
Project Name:	<u>Magnolia Pacific Stormwater</u>		
Information here in provided by:	_____		
Name:	_____		
Email Address:	_____		
Telephone:	_____	Phone Ext:	_____
Project Site Address:	<u>Santa Ana, CA</u>		
ACAD site plan drawing available at this time?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Final Project Owner and/or Operator:	?		
Governing Sewer or Water Authority:	?		
Does Authority have a lift station standard?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Does this project require "Buy America" materials?	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

### 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:	?		
Water Type:	<u>Stormwater</u>		
Peak design inflow (max flow to lift station):	<u>3146 g.p.m.</u>		
Pumping Rate:	<u>3146 g.p.m.</u>		
1. Influent sewer elevation:	<u>70.69 ft.</u>		
2. Finish grade elevation at wet well:	<u>77.7 ft.</u>		
3. Force main length:	<u>221 ft.</u>		
4. Force main discharge elevation:	<u>80.5 ft.</u>		
Force main diameter:	<u>14 in. inside dia.</u>		
Force main material (PVC, DI, etc.):	<u>PVC C905 DR18</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.)	?		
Standby generator:	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Permanent	<input type="checkbox"/> Portable
Generator fuel:		<input type="checkbox"/> Diesel	<input type="checkbox"/> Natural Gas
Power Supply:	<input checked="" type="checkbox"/> 480V	<input type="checkbox"/> 480V	<input type="checkbox"/> 240V
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"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No