NOTES:

1. Area around pump station shall be graded to prevent surface water flowing onto or over pump station cover slabs.
2. Vent pipe to be installed 500mm beyond concrete slab or driveway.

TYPICAL LAYOUT FOR PUMP STATION SITES
ACCESSIBLE FROM ADJACENT ROADWAY

ALTERNATIVE LAYOUT FOR PUMP STATION SITES
NOT ACCESSIBLE FROM ADJACENT ROADWAY

TYPICAL SITE LAYOUT
NOTES:

1. If valve chamber is in ground water, precast concrete panels should be used in lieu of concrete blocks. Vent pipe to be installed 500mm beyond concrete slab or driveway.
2. Suction clearance from wetwell invert must be according to manufacturers recommendations.
3. Expand concrete surface coating to have 1 primer + 2 top coats.
NOTES:
1. Unless stated otherwise all pipework to be DI or stainless steel (Schedule 10).
2. All stainless steel shall be 316 quality.
3. All nuts, bolts and washers shall be 316 stainless steel, and coated to prevent 'binding' prior to installation.
4. Denso-tape wrap protects all buried flanges, gibault joints and SS fasteners.
5. Pumps are to be Flygt type.
6. All DI pipe fittings and valves to be nylon coated.
7. No stainless steel pipe outside of wet well and valve chamber.
8. 750mm between pump centres is for standard Flygt 150mm MT pumps. Manufacturers recommendations for pump clearances must be followed.
NOTES:
1. Base plate to be fabricated entirely from 316 stainless steel.
2. Pedestal bolt dimensions must be confirmed by pump manufacturer.
3. All metal fasteners to be 316 stainless steel.

DETAIL A
PEDESTAL BASE PLATE
Typical for Flygt 100 & 150mm MT Pump
Other sizes will be necessary for larger pedestal sizes

DETAIL B
PEDESTAL MOUNTING
(For Flygt 150mm MT Pump)

DETAIL C
CONNECTION VALVE
CHAMBER TO WET WELL

DETAIL D
WET WELL RISER
CONNECTION
NOTES:

1. All dimensions must be agreed with electrical contractor.
NOTES:
1. All dimensions shown are a minimum.
2. Large pumps may require greater dimensioning which will need Council approval.
3. Location of plinth to be agreed on site in consultation with Council representative.
4. Location of safety hole to be agreed on site in consultation with Council representative.
NOTES:
1. The entire frame is to be constructed of stainless steel.
DETAIL
CHAMBER LID
PADLOCK BOX DETAIL

HANDLE DETAIL
ALTERNATE RISING MAIN ENTRY TO RECEIVING MANHOLE
NOTES:

1. Protective cage to be approved by the Engineer, and is to be powder coated to match electrical control cabinet. No galvanised pipework to be used.

2. RPZ must be a minimum of 300mm above top of concrete plinth.
NOTES:
1. Sensor may be externally powered or may be line powered so connections will vary.

KEY:
- Telemetry enclosure terminal
- Interface terminal rail
NOTES:

1. Sensor may be externally powered or may be line powered so connections will vary.

KEY:
- Telemetry enclosure terminal
- Interface terminal rail
NOTES:
1. Microtherm contact in well flygt pumps.

KEY:
- Overload to be set on auto reclose.
- 12Vdc Control +ve Orange cable
- Common (12Vdc -0v) Brown cable
- Kingfisher digital Input Pink cable
- 230V. control Red cable
- Generator control Violet cable
- Kingfisher analog inputs Grey cable
NOTES:
1. If sensor loop is externally powered then connect to B2 instead of B3.

KEY:
- Telemetry enclosure terminal
- Interface terminal rail