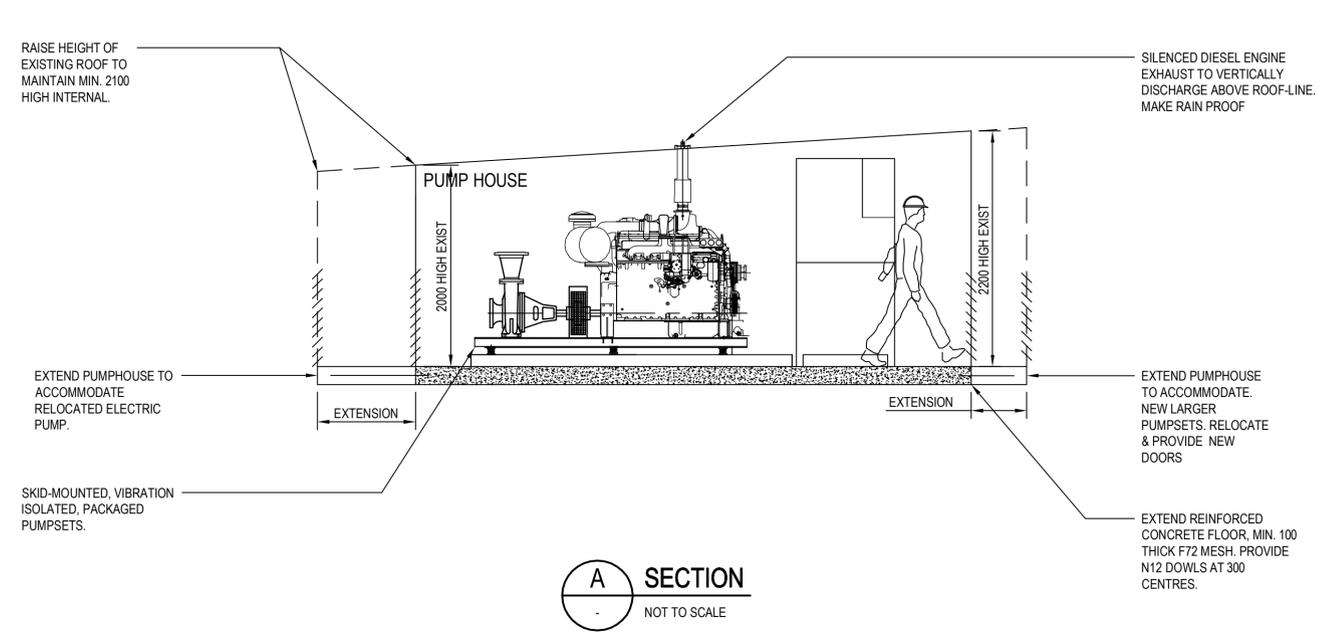
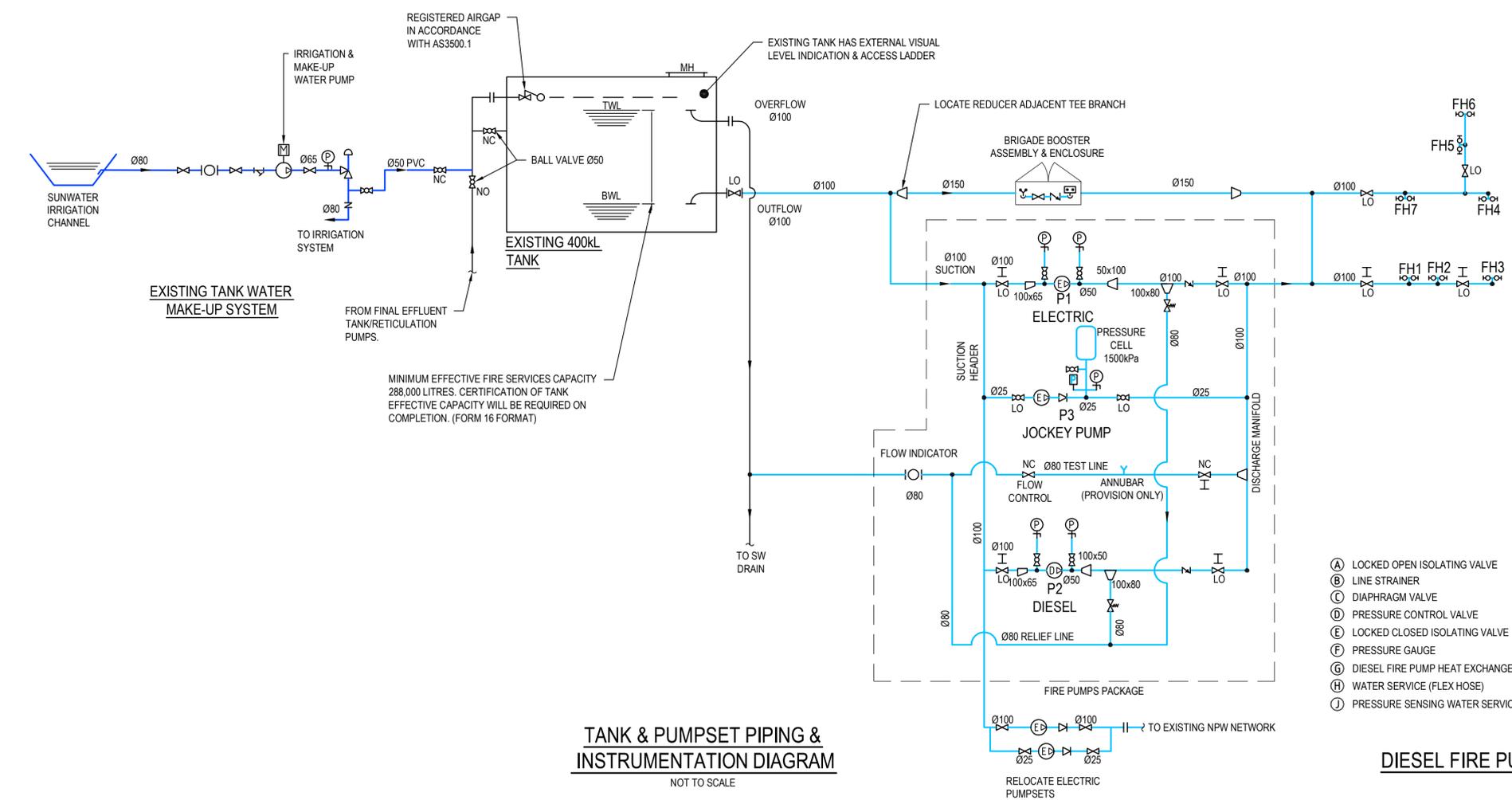


TANK & PUMPSET LAYOUT
SCALE 1:50

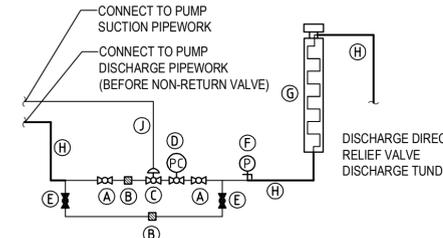


A SECTION
NOT TO SCALE



TANK & PUMPSET PIPING & INSTRUMENTATION DIAGRAM
NOT TO SCALE

- (A) LOCKED OPEN ISOLATING VALVE
- (B) LINE STRAINER
- (C) DIAPHRAGM VALVE
- (D) PRESSURE CONTROL VALVE
- (E) LOCKED CLOSED ISOLATING VALVE
- (F) PRESSURE GAUGE
- (G) DIESEL FIRE PUMP HEAT EXCHANGER
- (H) WATER SERVICE (FLEX HOSE)
- (I) PRESSURE SENSING WATER SERVICE



DIESEL FIRE PUMPSET COOLING LOOP SCHEMATIC
NOT TO SCALE

GENERAL SYMBOLS

- PIPE CONTINUATION
- TEE (NODE)
- FLOW DIRECTION
- (E) ELECTRIC PUMP
- (D) DIESEL PUMP
- (G) PRESSURE GAUGE
- VERTICAL PIPE/RISER

VALVE SYMBOLS

- ⊘ ISOLATING VALVE
- ⊘ STRAINER
- ⊘ BALL FLOAT VALVE
- ⊘ BALL VALVE
- ⊘ CONCENTRIC REDUCER
- ⊘ ECCENTRIC REDUCER
- ⊘ ISOLATION VALVE, INDICATING TYPE
- ⊘ PRESSURE RELIEF VALVE
- ⊘ NON-RETURN VALVE
- ⊘ FLOW INDICATOR
- ⊘ IRRIGATION & MAKE-UP WATER PUMP
- NC NORMALLY CLOSED
- NO NORMALLY OPENED
- LO LOCKED OPEN
- ⊘ INDICATING (OPEN/CLOSED) TYPE VALVE

FIRE SYMBOLS

- ⊘ PILLAR HYDRANT, DUAL OUTLET
Ø65 QLD ROUND THREAD
- ⊘ BOOSTER
- ⊘ BRIGADE SUCTION

FIRE LEGEND

- HYD NEW FIRE HYDRANT MAIN (UNDER GROUND)
- NEW FIRE HYDRANT MAIN (ABOVE GROUND)
- EXISTING NON-POTABLE WATER

TANK & PUMPHOUSE NOTES

1. REFER TO F001 FOR DETAILED NOTES RE: TANKS & PUMPS
2. LAYOUTS SHOWN ARE INDICATIVE ONLY. FINAL LAYOUT OF NEW & RELOCATED PUMPS, SUCTION & DISCHARGE MANIFOLDS, SHALL BE ARRANGED TO SUIT NEW PUMP MANUFACTURER'S EQUIPMENT/SKID LAYOUT AND CONFIGURATION.
3. ALLOWANCE MUST BE MADE FOR ACCESS AND MAINTENANCE TO TANKS AND PUMP HOUSE, TO THE SATISFACTION OF THE MANUFACTURER'S AND THE COLLEGE.
4. SEE MANUFACTURERS DETAILS FOR PUMP DIMENSIONS
5. PUMPHOUSE TO BE WEATHER PROOF TO AS 2419.1
6. PROVIDE EMERGENCY LIGHTING WITHIN THE PUMPHOUSE TO AS/NZS 2293.1. PROVIDE AN INTERNAL COMBINED NON-MAINTAINED (SUSTAINED) EMERGENCY LUMINAIRE, PIERLITE MODEL PWP236M OR EQUIVALENT, 2x36W WEATHER PROOF FLOOR, SURFACE MOUNTED CENTRAL TO THE ROOM. PROVIDE POWER CIRCUIT FROM THE PUMPHOUSE DB, WITH A MANUAL SWITCH ADJACENT MAIN ACCESS DOOR.
7. TYPE 6 COUPLINGS FOR BRIGADE SUCTION ON BOOSTER ASSEMBLY SHALL BE QLD ROUND THREAD, 3 THREADS PER INCH, 112mm COVENTRY FITTINGS.