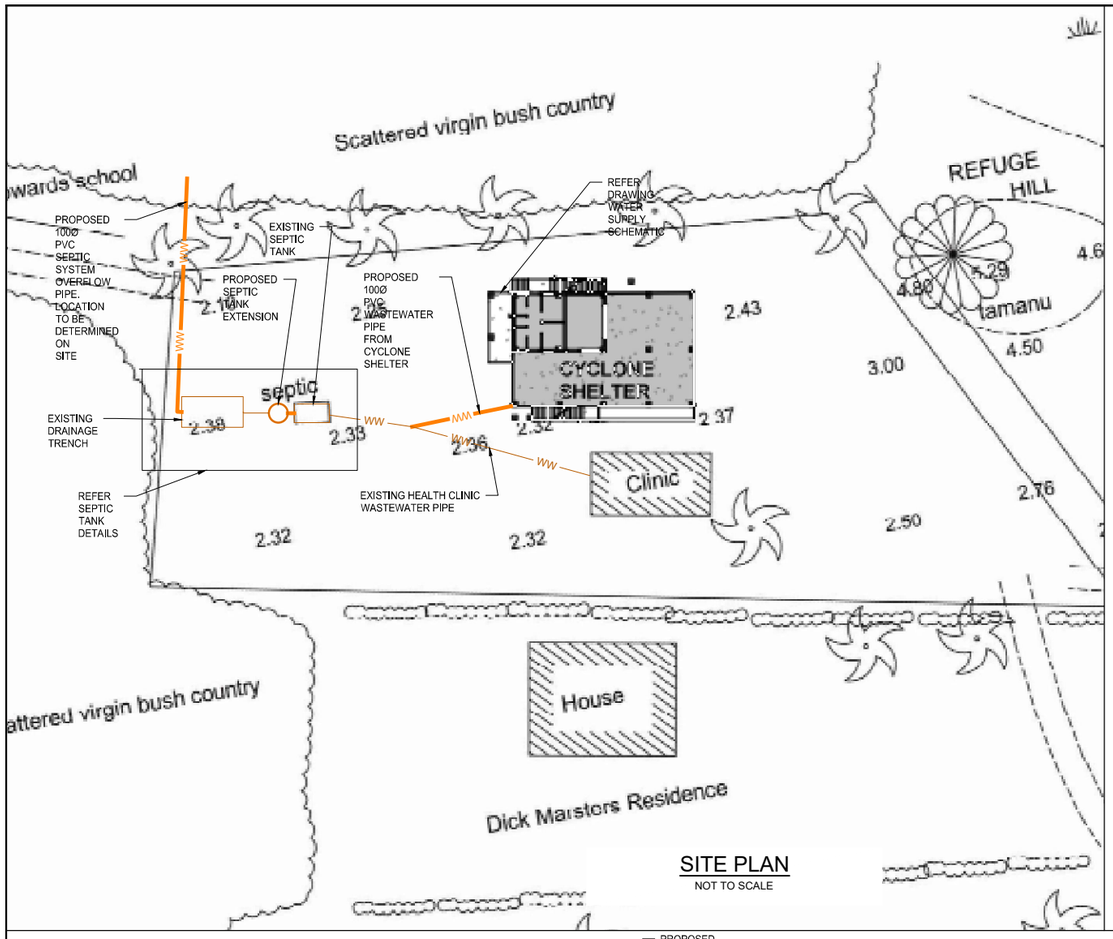


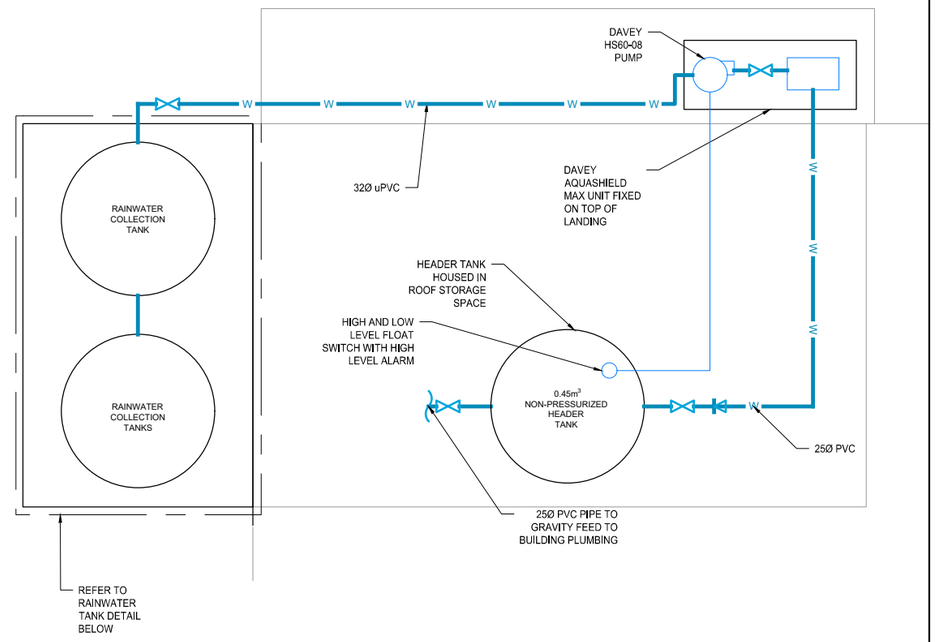
SITE PLAN
NOT TO SCALE

GENERAL NOTES
1. ANY DISCREPANCIES BETWEEN DRAWINGS AND SPECIFICATION TO BE RAISED WITH PRINCIIPAL/ENGINEER
2. PLANS NOT TO BE SCALED
3. ALL EXISTING SERVICES AND SITE TOPOGRAPHY ARE INDICATIVE ONLY. NO SURVEY UNDERTAKEN TO DATE
4. INSTALLATION OF ALL SERVICES TO BE AS PER RELEVANT AS/NZS STANDARDS

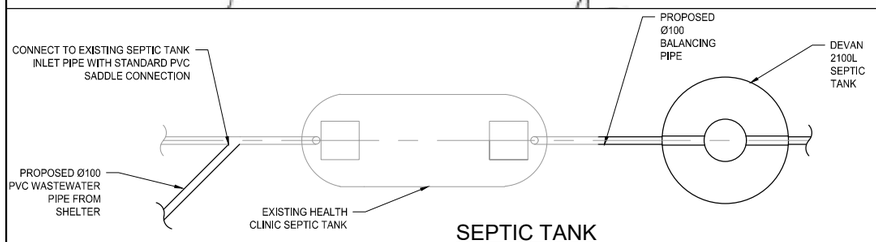
SITE PLAN NOTES
1. SITE PLAN IS INDICATIVE ONLY. ALL DIMENSIONS AND LOCATIONS TO BE CONFIRMED ON SITE AS SITE TOPOGRAPHY AND EXISTING LAYOUT ALLOWS

SEPTIC TANK NOTES:
1. TANK TO BE 2100L DW2100F DEVAN SEPTIC TANK INSTALLED AS PER MANUFACTURERS INSTRUCTIONS
2. BEDDING TO BE PROVIDED TO MINIMUM DEPTH OF 200mm. BEDDING MATERIAL TO BE GAP7-10
3. TANK TO BE BACKFILLED WITH FREE DRAINING GRANULAR MATERIAL WITH A MINIMUM SATURATED DENSITY OF 18kN/m^3. BACKFILL TO BE COMPACTED TO A MINIMUM 95% OF STANDARD DRY DENSITY IN LAYERS OF NO GREATER THAN 200mm. GOOD QUALITY SAND FREE FROM STONES AND ROCK IS SUITABLE FOR BACKFILL MATERIAL.
4. TANK TO HAVE A COVER LEVEL OF 500mm
5. ALL PVC JOINTS BELOW GROUND TO BE RUBBER RING JOINT
6. ENSURE ALL EXISTING UNDERGROUND SERVICES ARE IDENTIFIED AND PROTECTED
7. WORKS ON EXISTING SEPTIC TANK TO BE CO-ORDINATED WITH HEALTH CLINIC
8. PIPES TO BE BEDDED AS PER AS/NZS 3500.1:2015

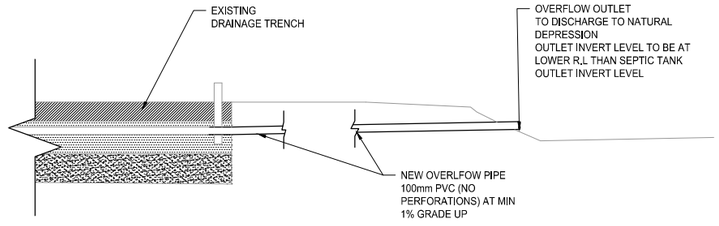
WATER SUPPLY NOTES
1. ALL PIPES EXPOSED TO SUNLIGHT TO BE UV RESISTANT MARLEY uPVC
2. ALL PVC JOINTS ABOVE GROUND TO BE SOLVENT CEMENT JOINTS
3. ALL PIPES MATERIALS TO BE MINIMUM PN12.5
4. ALL COMPONENTS TO BE MINIMUM OF PN16
5. ALL COMPONENTS TO BE INSTALLED AS PER THE MANUFACTURERS INSTRUCTIONS
6. PUMP CONTROL NOTES:
   - 6.1. PUMP TO SWITCH ON WHEN HEADER TANK FLOAT SWITCH INDICATES BELOW 20% DESIRED CAPACITY
   - 6.2. PUMP TO SWITCH OFF WHEN HEADER TANK FLOAT SWITCH INDICATES 95% CAPACITY OR WHEN RAINWATER COLLECTION TANK FLOAT SWITCH INDICATES BELOW 5% CAPACITY
   - 6.3. HIGH LEVEL ALARM WHEN HEADER TANK EXCEEDS ABOVE 98% CAPACITY
7. RAINWATER COLLECTION TANKS TO HAVE STAINLESS STEEL STRAPS (REFER TO STRUCTURAL DRAWINGS)



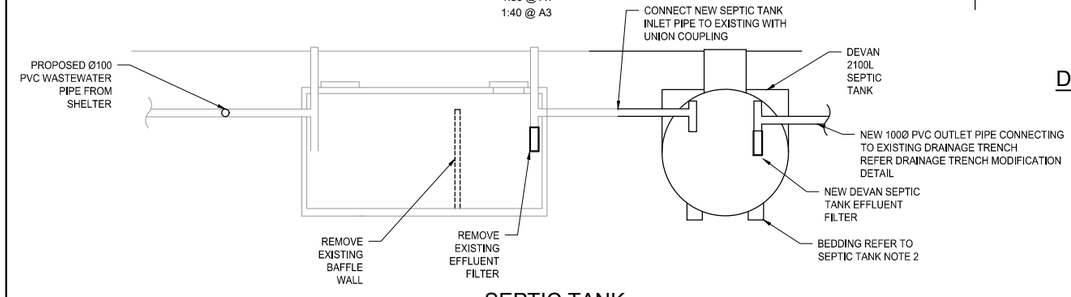
WATER SUPPLY SCHEMATIC
NOT TO SCALE



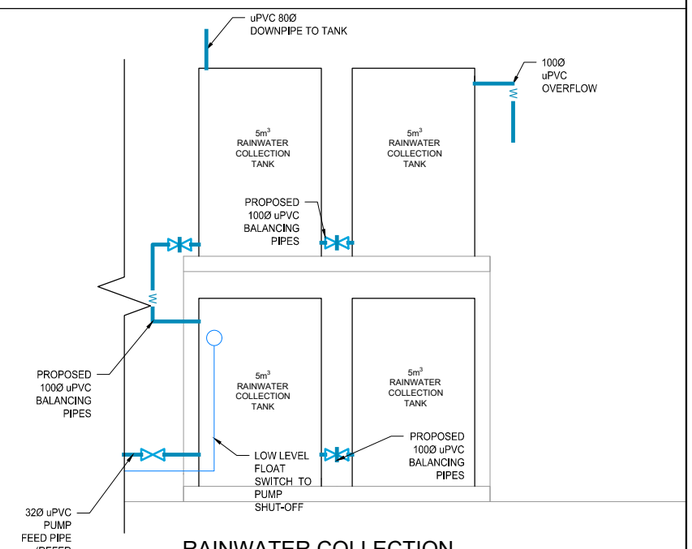
SEPTIC TANK PLAN
1:80 @ A1
1:40 @ A3



DRAINAGE TRENCH MODIFICATION
1:80 @ A1
1:40 @ A3



SEPTIC TANK SIDE ELEVATION
1:80 @ A1
1:40 @ A3



RAINWATER COLLECTION TANKS DETAIL A
1:80 @ A1
1:40 @ A3

Revision		App	Date
0	FOR CLIENT COMMENT	JT	31/10/17

Surveyed		
Designed	JT	31/10/17
Drawn	JT	31/10/17
Reviewed	RE	31/10/17
Approved	SG	31/10/17

Client: GOVERNMENT OF THE COOK ISLANDS INFRASTRUCTURE COOK ISLANDS

Project Title: PALMERSTON ISLAND NEW CYCLONE SHELTER

Sheet Title: DRAINAGE AND WATER SUPPLY

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Scale (A3 Original): SCALE AS NOTED

Project No	Sheet	Revision
710471	C400	0

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