



PNG POWER Ltd

PO Box 1105 BOROKO NCD, Papua New Guinea

QUOTATION NO.: E4356 / 2023

CONSTRUCTION OF FUEL BUNDWALL AND ASSOCIATED CIVIL WORKS
FOR THE NEW 8MW POWER STATION AT DOBEL, W.H.P., MT. HAGEN.

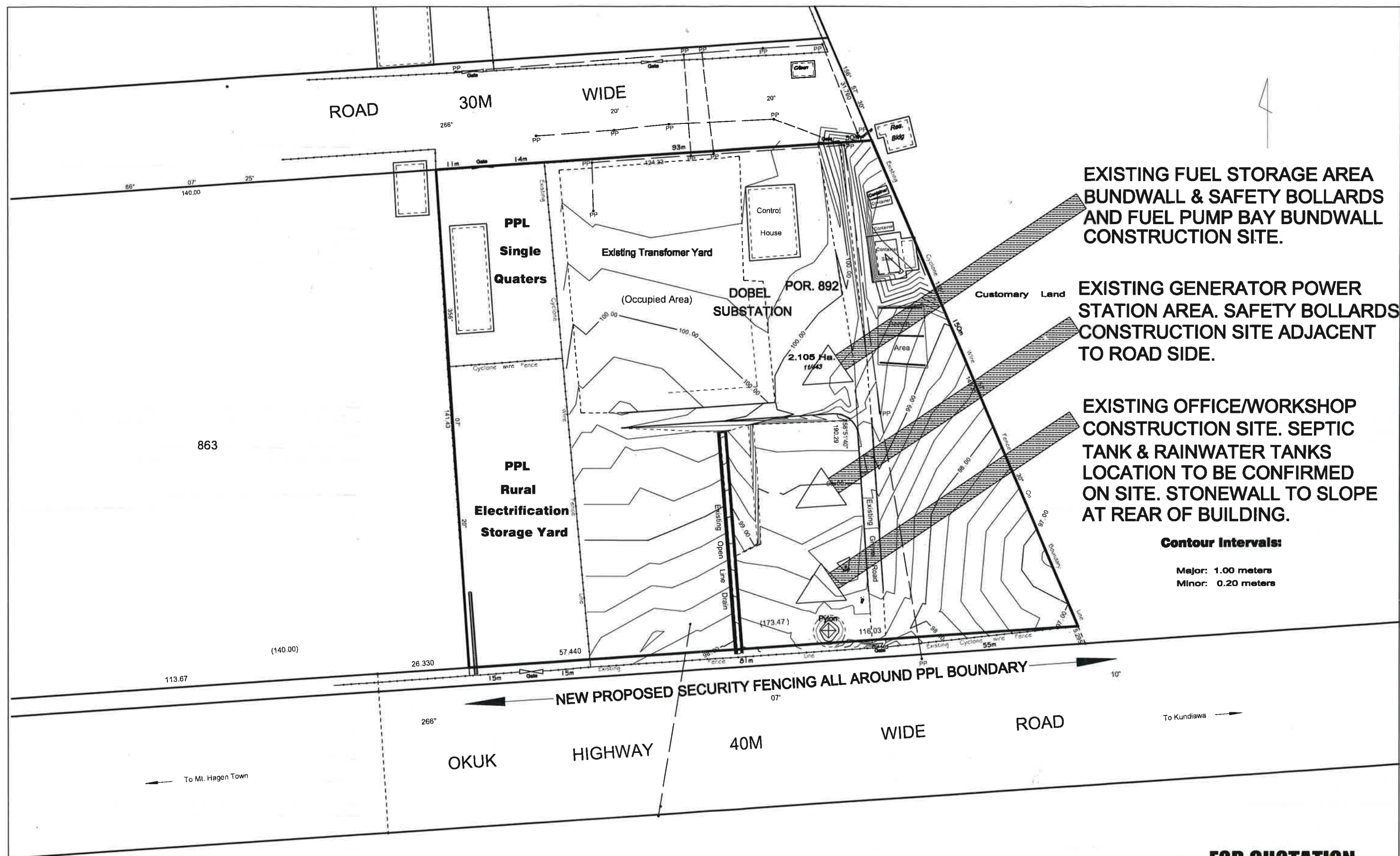
DRAWING INDEX

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FOR QUOTATION

Prepared By:	TLC			Location	DOBEL POWER STATION, W.H.P.
Checked By:	CTO/CCE			Title	COVER & DRAWING INDEX
Checked By:				A1	
Endorsed By:	MGP			Number	GPC-DPS-C03
Approved By:	AGMAD			Revision	

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CAD Filename	Rev.	Revision	By	Chk'd	Date
H:/2023 PROJECTS/ DOBEL / 8MW POWER STATION/ CIVIL WORKS					
Date Plotted:	Scale:				
SEPTEMBER, 2023	1:500				



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Drawn	ST&D	Location	DOBEL POWER STATION, W.H.P.
Designed	TLC	Title	GENERAL SITE LAYOUT PLAN
Checked	CTO/CCE	A1	
Endorsed	MGR	Number	GPC-DPS-C03
Approved	AGMAD	Revision	
			Sheet 01 OF 05

EXISTING CHAINMESH FENCELINE

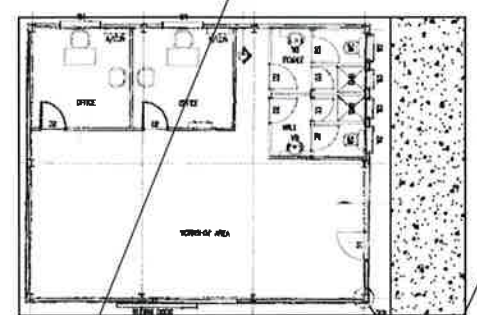
Gate

LOCATION FOR SEPTIC TANK & ABSORPTION PIT TO BE CONFIRMED ON SITE

LOCATION FOR STONEWALL TO EXISTING SLOPE TO BE CONFIRMED ON SITE

TO BE CONFIRMED ON SITE

LOCATION FOR 2X 9,000L RAINWATER TANK FOUNDATIONS TO BE CONFIRMED ON SITE



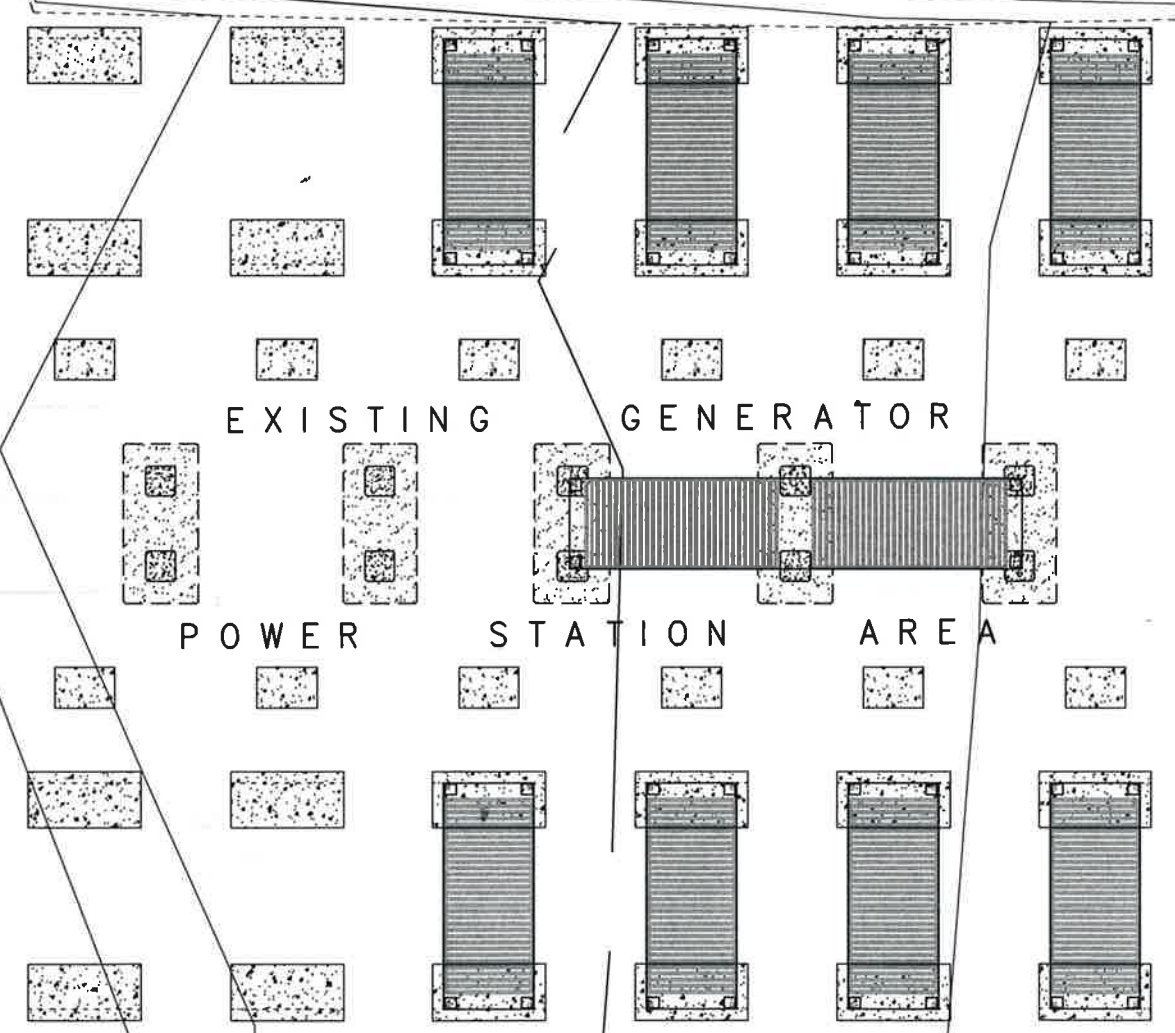
OFFICE / WORKSHOP CONSTRUCTION IN PROGRESS

EXISTING ELEVATED HARDSTANDING AREA

CONSTRUCT 2M WIDE ENTRY/EXIT SLAB TO WORKSHOP BAYS

pp

EXISTING TYPE 9 OPEN LINED DRAIN



EXISTING GENERATOR

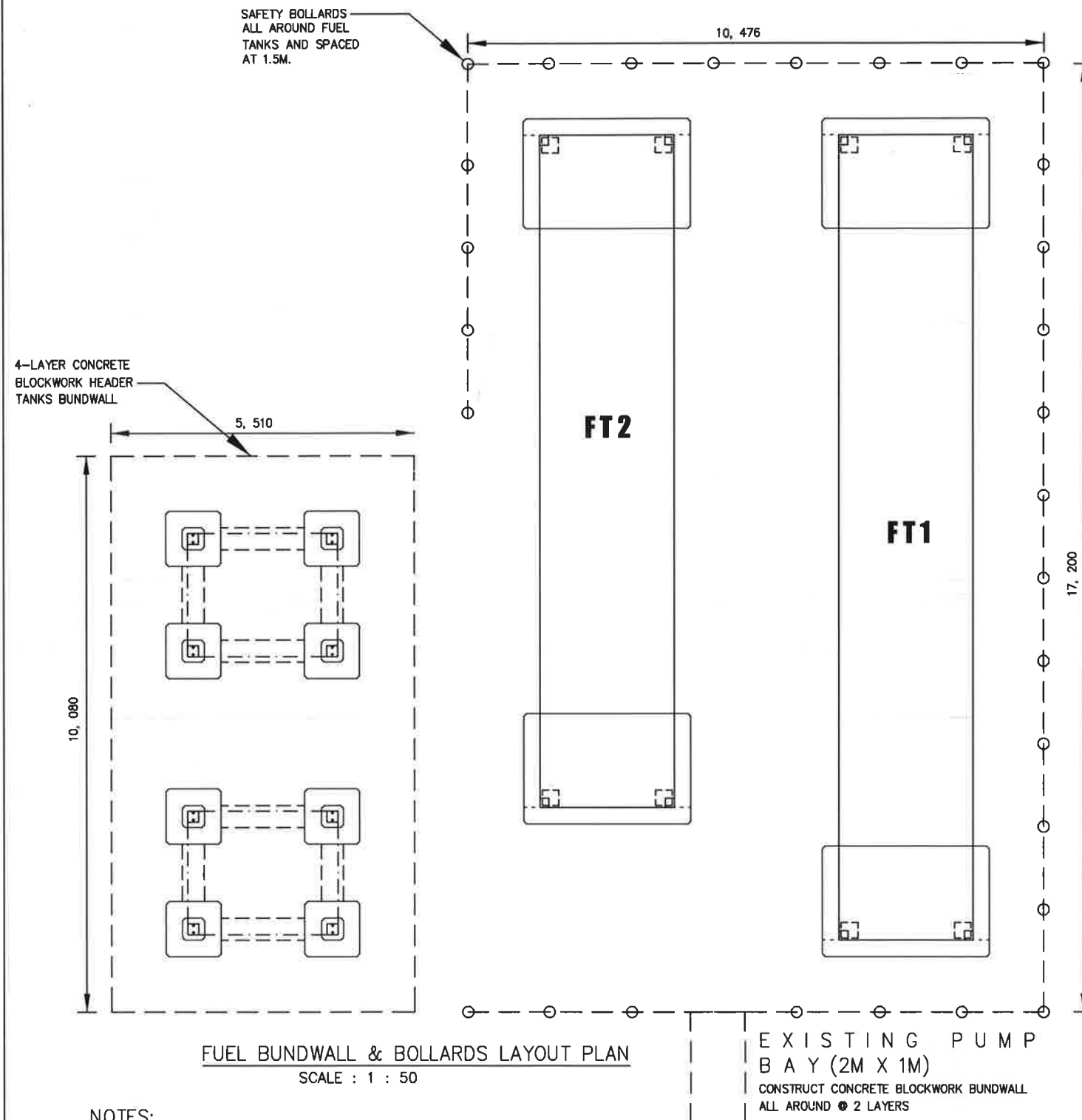
POWER STATION AREA

LOCATION FOR SAFETY BOLLARDS

Existing Gravel Road

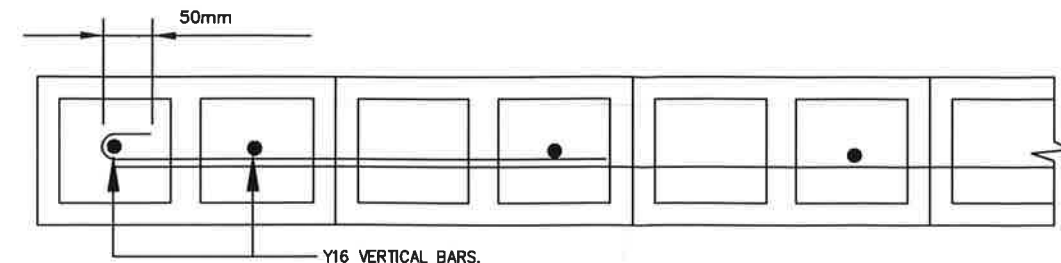
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CAD Filename		Rev.	Revision	By	Chk'd	Date	<div>PNG POWER Ltd P. O. Box 1105, BOROKO 111. NCD. Papua New Guinea Telephone: (675) 324 3317 Facsimile: (675) 323 4982 E-mail: oole@pngpower.com.pg</div>	Drawn	TLC	Location	DOBEL SUB-STATION, W.H.P.	
H:/2023 PROJECTS/ DOBEL / BMW POWER STATION/ CIVIL WORKS								Designed	TLC	Title	ASSOCIATED CIVIL WORKS	
Date Plotted:	Scale:							Checked	CTO/CCE	A1	SITE LAYOUT PLAN	
SEPTEMBER, 2023	1 : 100							Endorsed	MGP	Number	GPC-DPS-C03	
								Approved	AGMAD	Revision	Sheet 02 OF 05	



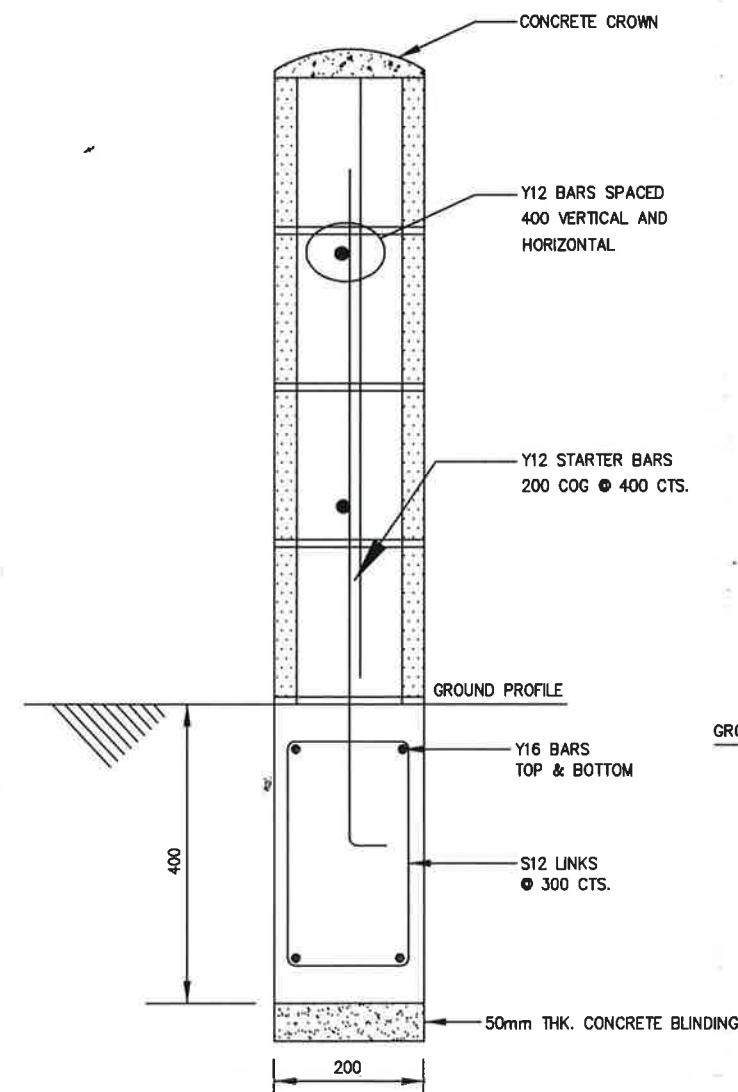
NOTES:

1. CONCRETE TO BE 28MPa AFTER 28 DAYS.
2. ALL LOCATIONS/DIMENSIONS SHALL BE CONFIRMED ON SITE WITH THE SUPERINTENDANT PRIOR TO CONSTRUCTION.
3. ALL BUNDWALL BLOCKWORKS AND BOLLARDS SHALL BE PAINTED WITH TWO COATS UNDERCOAT AND FINAL COAT YELLOW AND BLACK.
4. ANY EXCESS 19MM AGGREGATE SHALL BE RE-USED AND PLACED AROUND THE SAFETY BOLLARDS AND TOP UP WHERE NECESSARY.
5. SAFETY BOLLARDS SHALL ALSO BE INSTALLED ALONG THE GENERATOR BAYS ADJACENT TO THE ACCESS ROAD @ 1.5M INTERVALS AND COVERING ALL 6X GENERATOR BAYS.
6. A SMALL BUNDWALL (2 LAYERS) SHALL BE CONSTRUCTED FOR THE EXISTING FUEL PUMP BAY TOGETHER WITH A SMALL SHED TO STOP ANY RAINWATER BUILD UP INSIDE THE BUNDWALL.



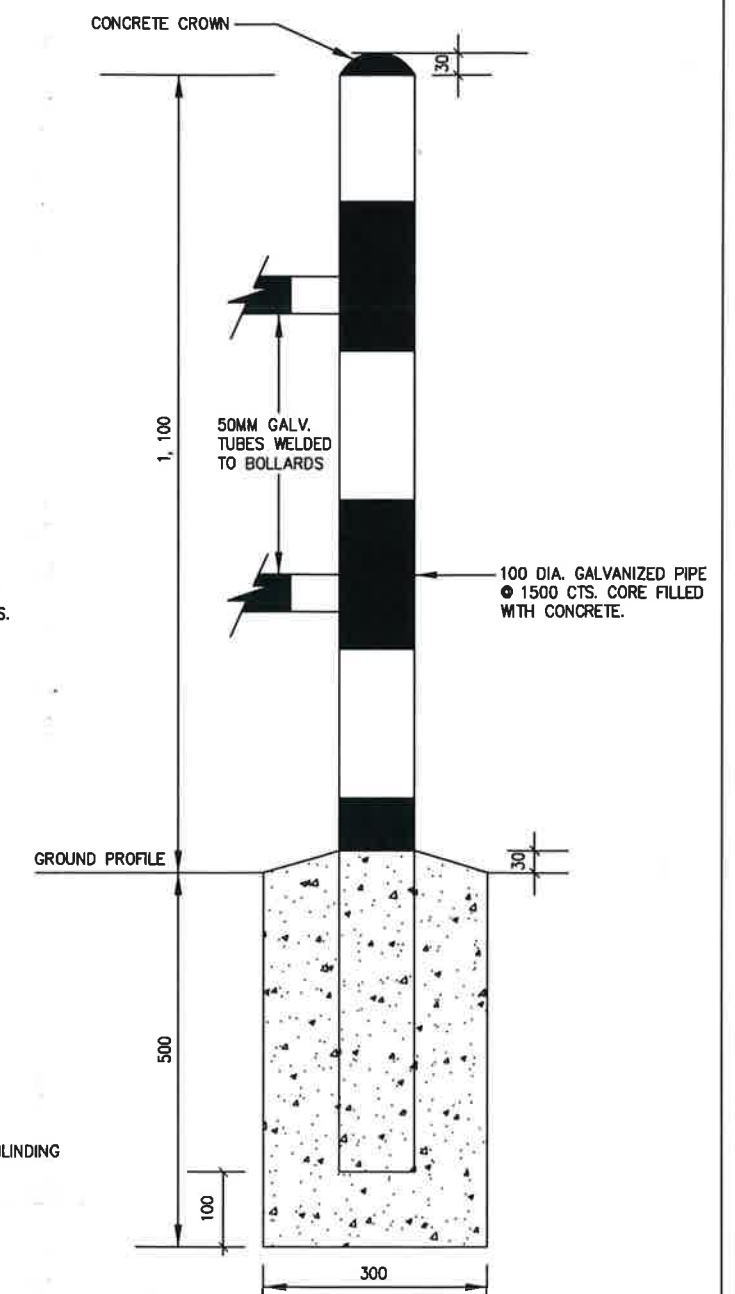
TYPICAL DETAIL AT WALL ENDS

Scale 1 : 5



BUNDWALL TYPICAL DETAIL

SCALE 1 : 5



BOLLARD TYPICAL DETAIL

SCALE 1 : 5

FOR QUOTATION

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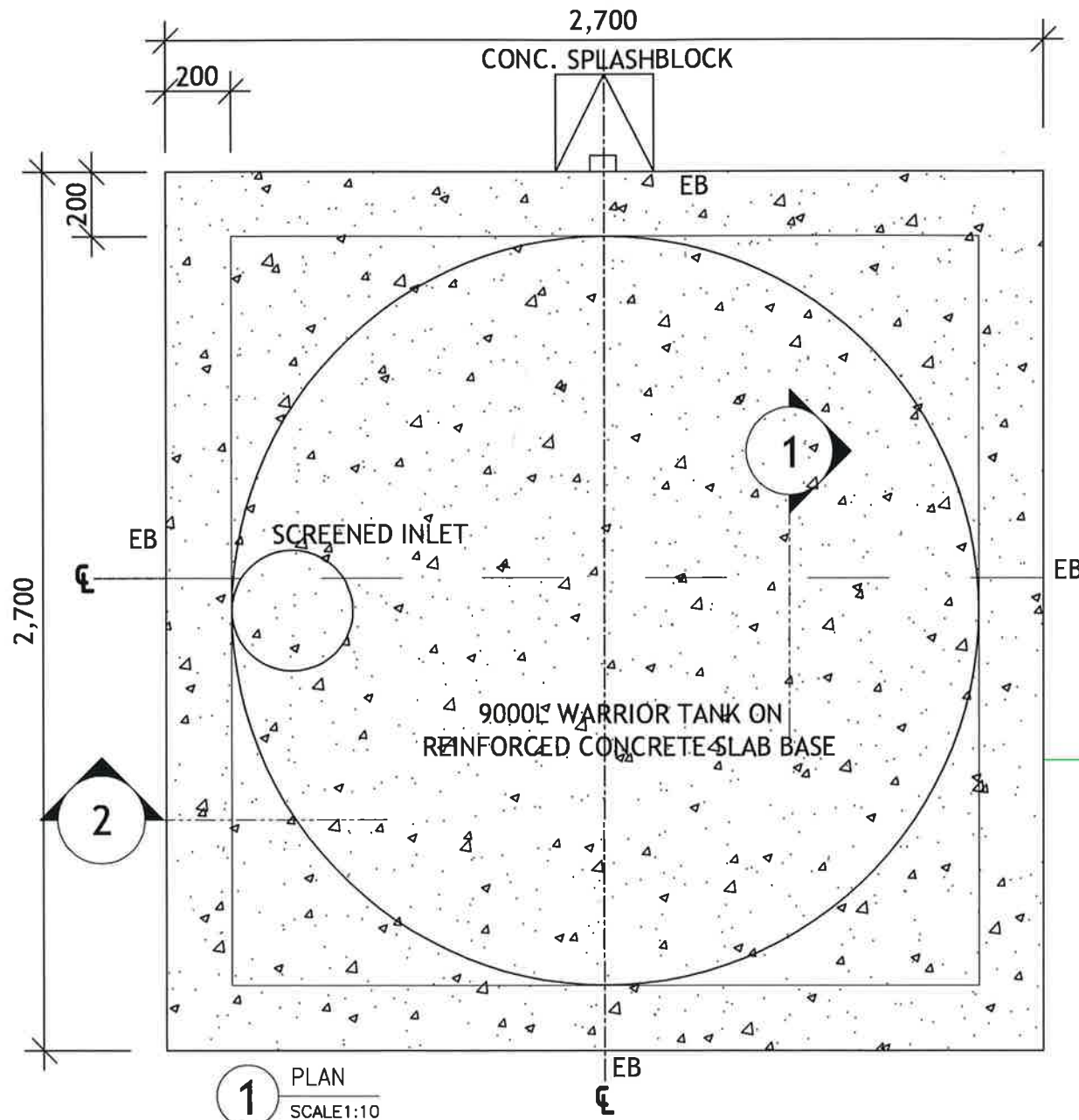
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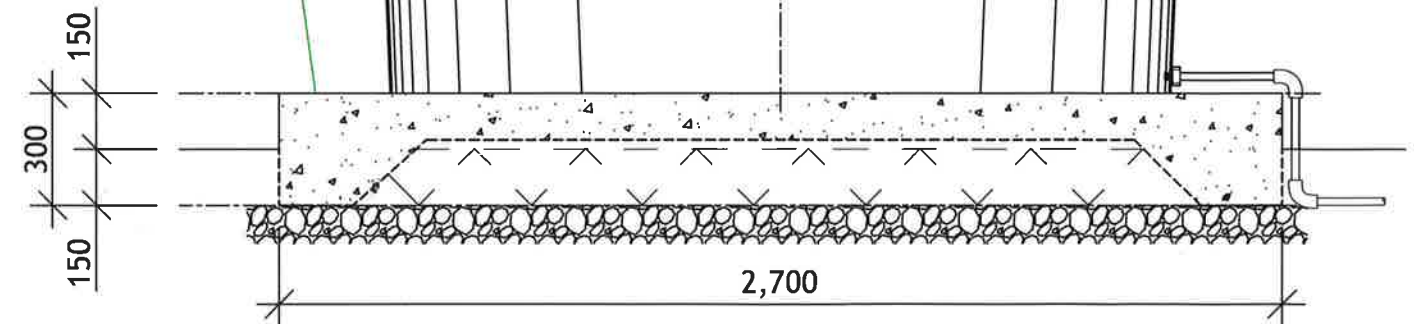
Drawn	TLC	Location	DOBEL POWER STATION, W.H.P.
Designed	TLC	Title	FUEL BUNDWALL & SAFETY BOLLARDS PLAN AND DETAILS
Checked	CTO/CCE	A1	
Endorsed	MGP	Number	GPC-DPS-C03
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NOTE:
EB - EDGE BEAM
CJ - CONSTRUCTION JOINT

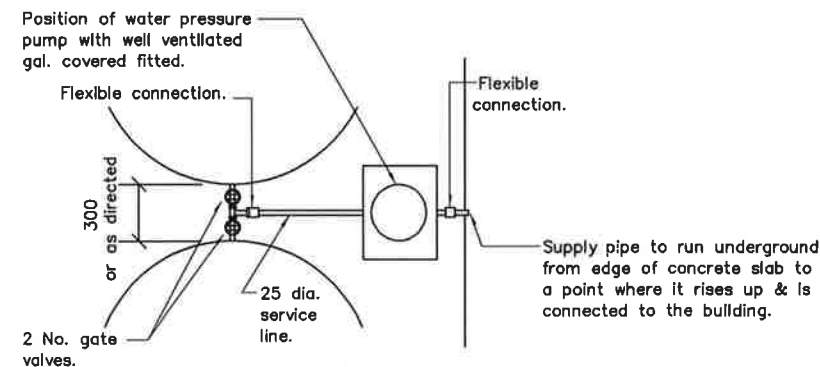
2 ELEVATION
SCALE 1:10

150MM THK. REINFORCED
CONC. FLOOR SLAB

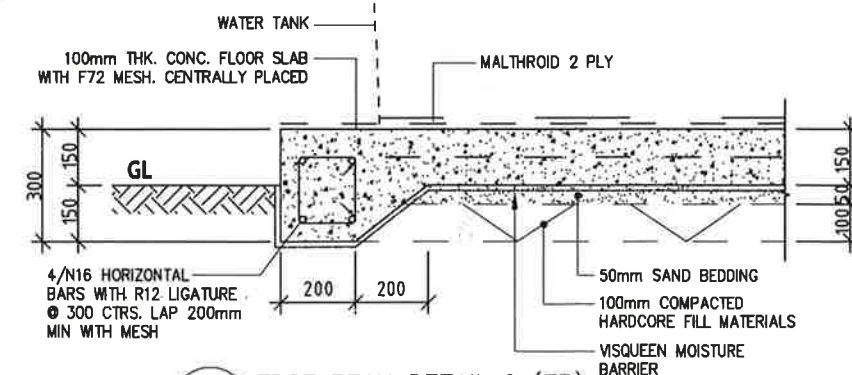


NOTES:

1. CONCRETE TO BE 28MPa AFTER 28 DAYS.
2. TANK INLETS SHALL BE RAISED AND FITTED WITH GAUZE STRAINERS.
3. ALL LOCATIONS/DIMENSIONS SHALL BE CONFIRMED ON SITE WITH THE SUPERINTENDANT PRIOR TO CONSTRUCTION.
4. ALL PIPING CONNECTIONS AND ACCESSORIES SHALL BE PROVIDED AND TANKS SHALL BE CONNECTED TO ALLOW ANY OVERFLOW TO FILL EITHER TANKS.
5. THE CONTRACTOR SHALL ALSO HOOK UP THE EXISTING WATER SUPPLY TO THE WORKSHOP/OFFICE BUILDING.
6. 19MM TAP WITH THREADED SPOUT SHALL BE INSTALLED AT DESIRED LOCATION TOGETHER WITH A 300X300 CONCRETE SPLASH PAD DIRECTLY UNDER OVERFLOW.
7. A SUITABLE WATER PRESSURE PUMP SHALL BE CONNECTED TO THE TANKS AS SHOWN. THE PUMP SHALL BE MOUNTED ON A CONCRETE PAD AND ENCLOSED IN A STEEL CAGE SHED WITH GATE LOCK MECHANISM.



TYPICAL TWIN WATER TANK
CONNECTION DETAIL.
SCALE: NTS



3 EDGE BEAM DETAIL 2 (EB)
SCALE 1:10

FOR QUOTATION

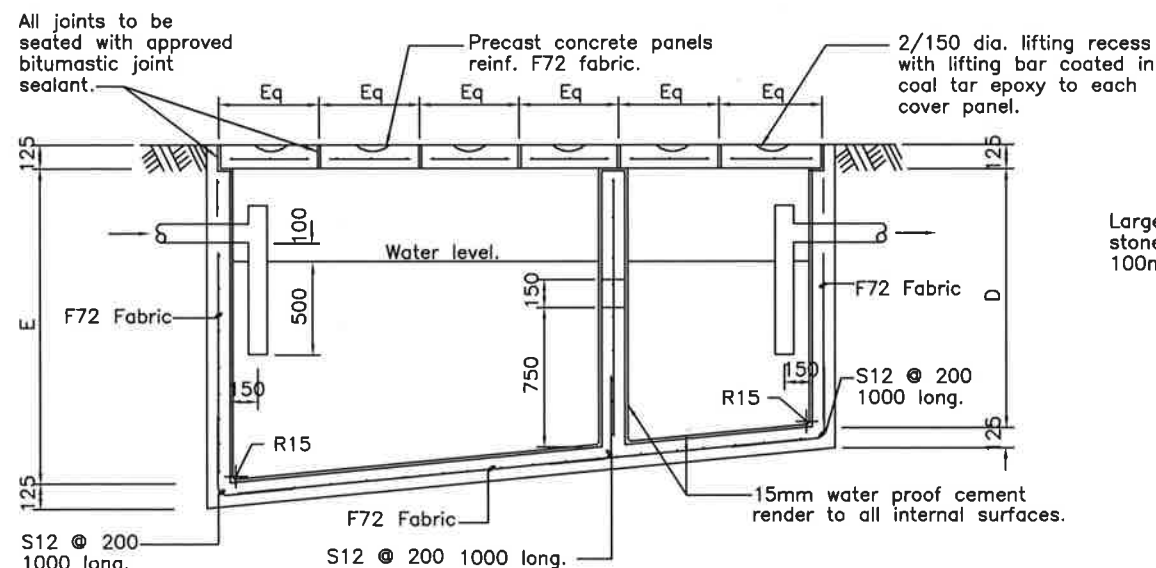
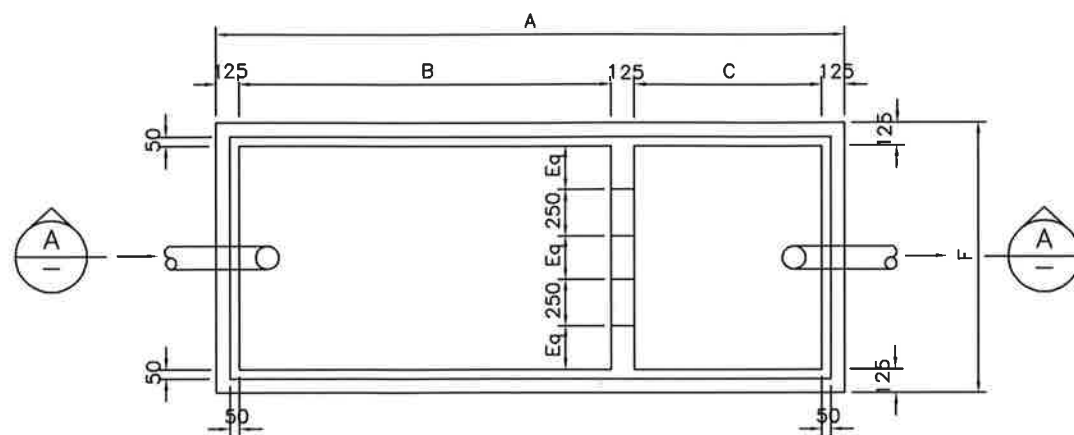
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Drawn	TLC	Location	DOBEL POWER STATION, W.H.P.
Designed	TLC	Title	RAINWATER TANKS FOUNDATION PLAN & DETAILS
Checked	CTO/CCE	A1	
Endorsed	MGP	Number	GPC-DPS-C03
Approved	AGMAD	Revision	
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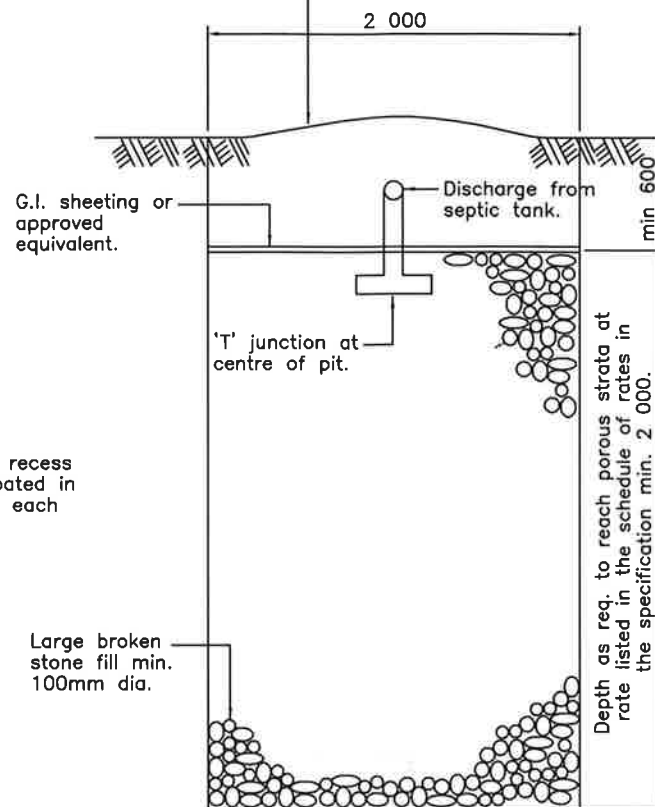


SECTION A-A
SCALE: 1 : 20

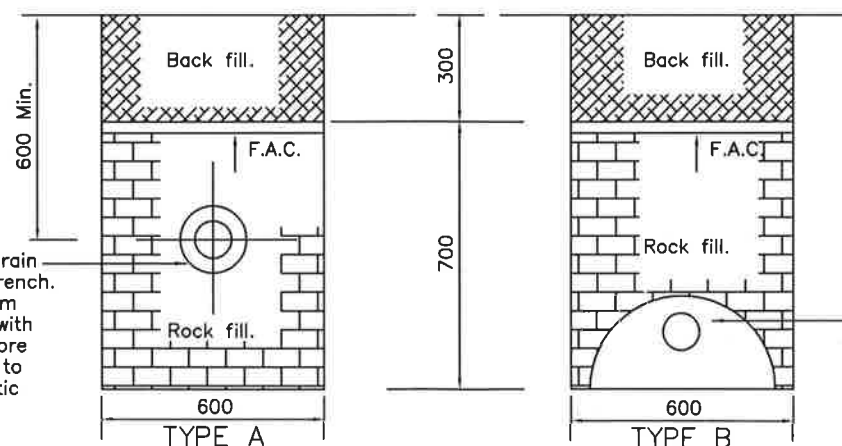
SEPTIC TANK DETAILS					
A	B	C	D	E	F
3 975	2 400	1 200	1 500	1 700	1 450

100 dia. A.G. drain full length of trench. Joints left 10mm open & cover with galv. strips before filling. Connect to drain from septic tank.

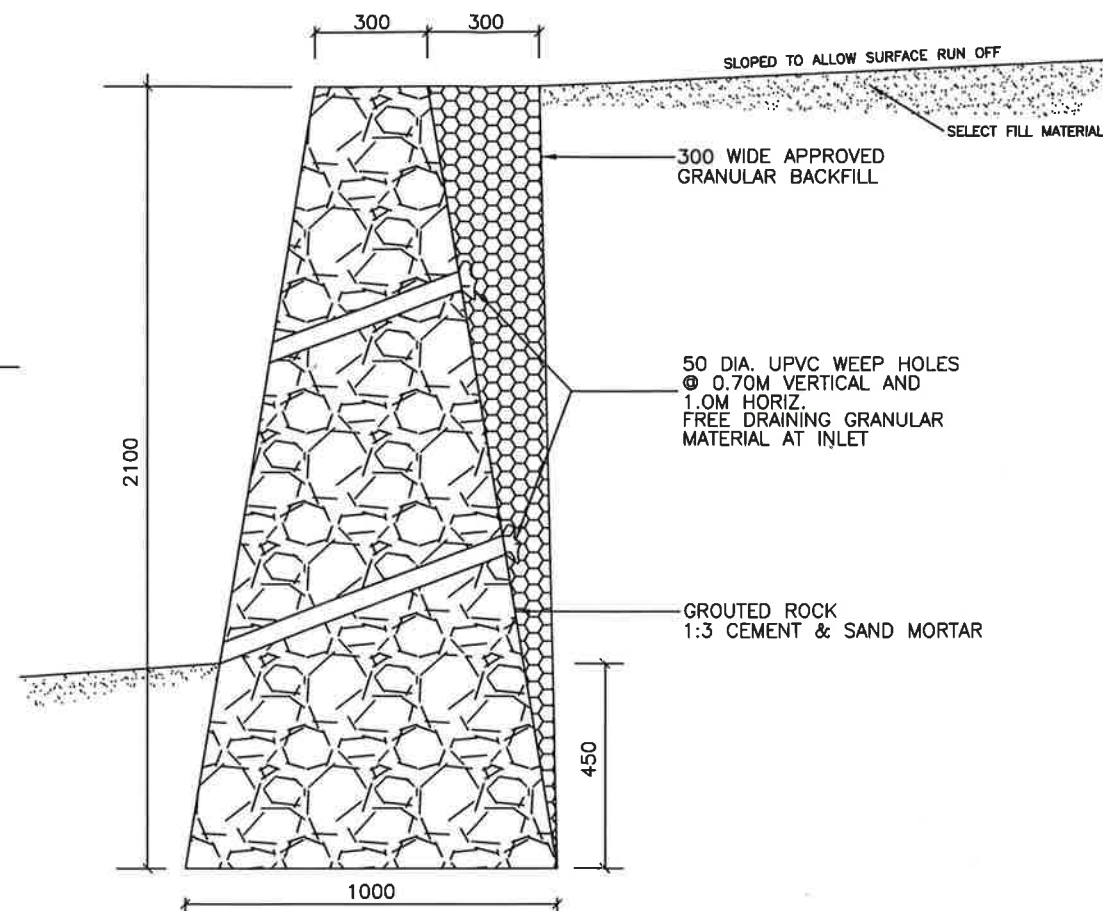
Replacement soil to be raised for future settlement as per specification.



TYPICAL CROSS SECTION
SCALE: 1 : 20



ABSORPTION TRENCH
SCALE: 1 : 10



STONEWALL TYPICAL DETAIL
SCALE 1 : 10

STONEWALL NOTES:

1. ALL STONE USED IN WALL TO BE SOUND AND DURABLE AND FROM AN APPROVED SOURCE.
2. WALL TO BE FULLY GROUTED WITH 20 MPA MORTAR.
3. WALL SHAPE TO BE MAINTAINED BY PROFILES AND STRING LINES.
4. PLACE SELECTED STONES ON EXPOSED FACE. CLEAN ALL MORTAR FROM STONE FACE AND RECESS MORTAR TO APPRAVAL BEFORE SETTING TAKES PLACE. CLEAN UP ON COMPLETION.
5. PLACE LARGE STONE OVER INLET TO AVOID LOSS OF FILTER MATERIALS.

SEPTIC TANK NOTES:

1. ALL DRAINAGE PIPES TO BE 100 DIA. P.V.C LAID TO A MIN FALL OF 1:60.
2. LOCATION OF ABSORPTION TRENCH SHALL BE DETERMINED ON SITE.
3. TRENCH SHALL BE 10M IN LENGTH OR AS DETERMINED ON SITE.

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Designed	TLC	Title	SEPTIC TANK, ABSORPTION PIT & STONEWALL PLAN & DETAILS
Checked	CTO/CCE	A1	
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