

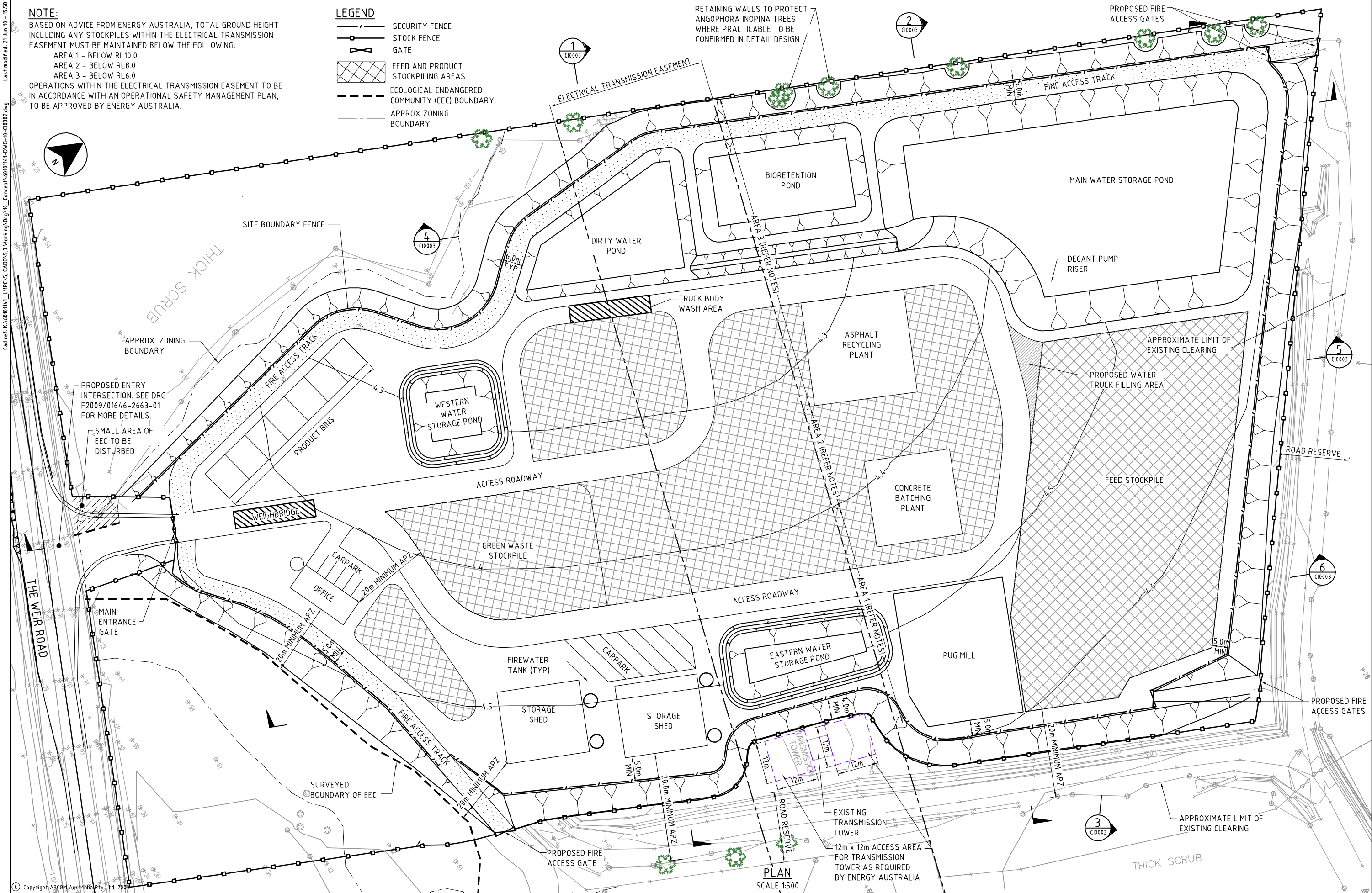
Appendix B

AECOM Concept Design Drawing Package

Cal ref: K:\0101141_LMRCS_CADD\53 Working\0rg\10_Concept\60101141-DWG-10-CI0002.dwg
Last modified: 21 Jun 18 - 15:58

NOTE:
BASED ON ADVICE FROM ENERGY AUSTRALIA, TOTAL GROUND HEIGHT INCLUDING ANY STOCKPILES WITHIN THE ELECTRICAL TRANSMISSION EASEMENT MUST BE MAINTAINED BELOW THE FOLLOWING:
AREA 1 - BELOW RL10.0
AREA 2 - BELOW RL8.0
AREA 3 - BELOW RL6.0
OPERATIONS WITHIN THE ELECTRICAL TRANSMISSION EASEMENT TO BE IN ACCORDANCE WITH AN OPERATIONAL SAFETY MANAGEMENT PLAN, TO BE APPROVED BY ENERGY AUSTRALIA.

- LEGEND**
- SECURITY FENCE
 - STOCK FENCE
 - GATE
 - FEED AND PRODUCT STOCKPIILING AREAS
 - ECOLOGICAL ENDANGERED COMMUNITY (EEC) BOUNDARY
 - APPROX ZONING BOUNDARY



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SCALES:

1:500 FULL SIZE A1

THE SIGNING OF THIS TITLE BLOCK CONFIRMS THE DESIGN AND DRAFTING OF THIS PROJECT HAVE BEEN PREPARED AND CHECKED IN ACCORDANCE WITH THE AECOM QUALITY ASSURANCE SYSTEM TO ISO 9001:2000

DESIGNED	W.WAN	CHECKED	A.KIELNIACZ
DRAWN	M.TARRANT	CHECKED	J.ALLSOP
APPROVED	J.LASKY	DATE	

DESIGNER:

AECOM

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

CLIENT:



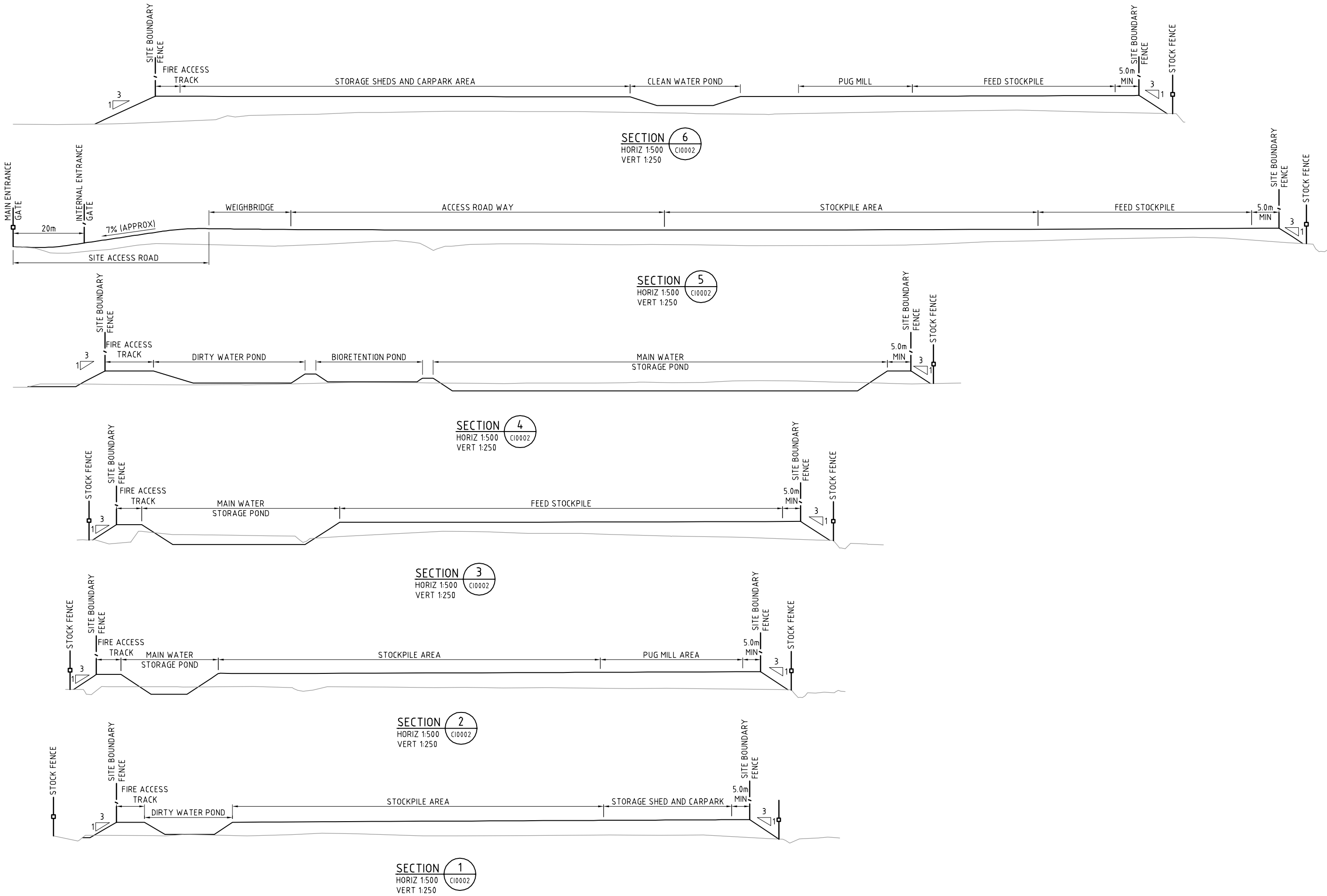
TERALBA SUSTAINABLE RESOURCE CENTRE
GENERAL ARRANGEMENT

STATUS: CONCEPT

DRAWING NO: 60101141-DWG-10-CI0002

REV: 03

REV	BY	DATE	DESCRIPTION	APPD
03	TT	21.06.10	POST ADEQUACY REVIEW VERSION	JL
02	MT	04.11.09	FINAL CONCEPT PLAN	JL
01	J.S.	23.09.09	DRAFT FOR CIVILAKE APPROVAL	JL



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REVISIONS					
No.	BY	DATE	DESCRIPTION	APPD	
03	TT	21.06.10	POST ADEQUACY REVIEW VERSION	JL	
02	MT	04.11.09	FINAL CONCEPT PLAN	JL	
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DRAWN	M.TARRANT	CHECKED	J.ALLSOP		
APPROVED	J.LASKY	DATE			

DESIGNER:

AECOM

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

CLIENT:

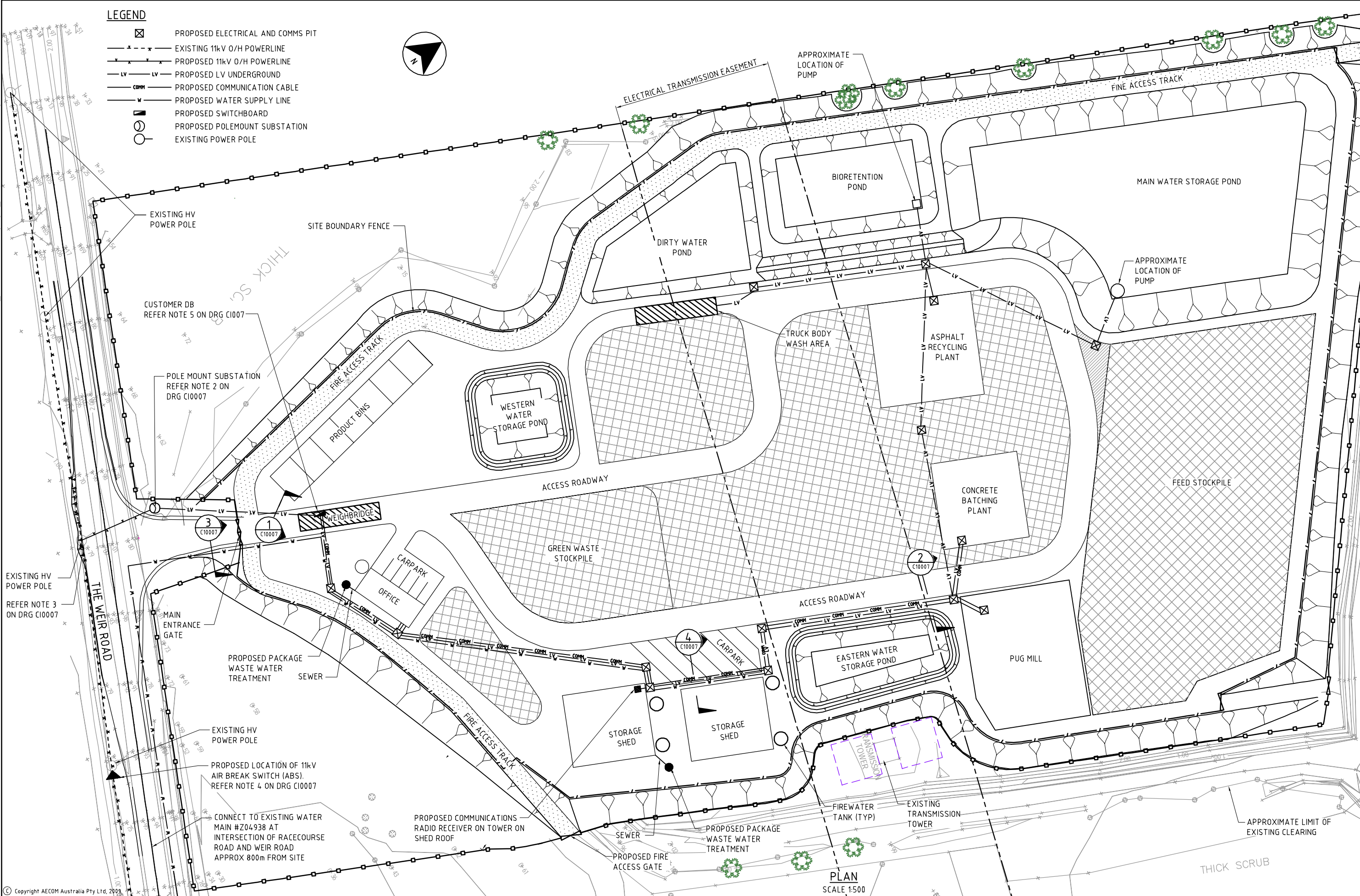
CIVILAKE

TERALBA SUSTAINABLE RESOURCE CENTRE			
EARTHWORKS TYPICAL SECTIONS			
STATUS:	CONCEPT	DRAWING NO:	60101141-DWG-10-CI0003
REV:	03		

Cal ref: K:\0101141_LMRCS_CADD\53 Working\Drwg\10_Concept\60101141-DWG-10-CI0006.dwg
Last modified: 22 Jun 10 - 09:26

LEGEND

- PROPOSED ELECTRICAL AND COMMS PIT
- EXISTING 11kV O/H POWERLINE
- PROPOSED 11kV O/H POWERLINE
- PROPOSED LV UNDERGROUND
- PROPOSED COMMUNICATION CABLE
- PROPOSED WATER SUPPLY LINE
- PROPOSED SWITCHBOARD
- PROPOSED POLEMOUNT SUBSTATION
- EXISTING POWER POLE



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DESIGNED	W.WAN	CHECKED	A.KIELNIACZ
DRAWN	M.TARRANT	CHECKED	J.ALLSOP
APPROVED	J.LASKY	DATE	

DESIGNER:

AECOM

AECOM Australia Pty Ltd A.B.N. 20 093 846 925

CLIENT:



TERALBA SUSTAINABLE RESOURCE CENTRE

COMBINED SERVICES
PLAN

STATUS: CONCEPT

DRAWING NO: 60101141-DWG-10-CI0006

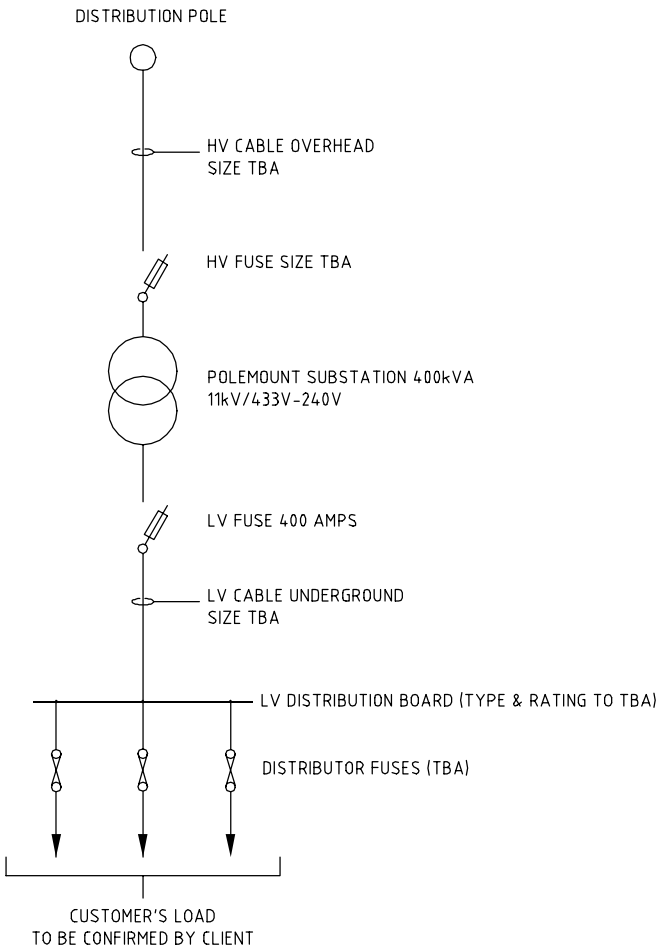
REV: 03

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02	MT	04.11.09	FINAL CONCEPT PLAN	JL	
01	J.S.	23.09.09	DRAFT FOR CIVILAKE APPROVAL	JL	

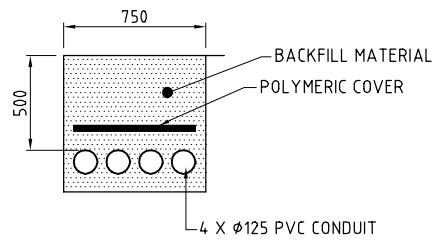
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Last modified: 21 Jun 10 - 15:58

NOTES

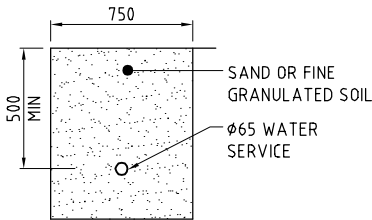
1. LOCATIONS OF ALL PROPOSED SERVICES SHOWN ARE INDICATIVE ONLY AND ARE TO BE CONFIRMED DURING DETAILED DESIGN.
2. PROPOSED LOCATION OF POLE MOUNT SUBSTATION IS INDICATIVE ONLY. FOR SUBSTATION POLE & EARTHING DETAILS REFER TO EA STANDARD DRAWING 566089& 566126.
3. EXISTING HV POLE TO BE AUGMENTED TO ACCOMMODATE PROPOSED OVERHEADS MAINS TEE OFF TO POLE MOUNT SUBSTATION. FOR POLE TEE OFF CONSTRUCTION REFER EA STANDARD DRAWING 513917.
4. PROPOSED 11kV ABS TO BE MOUNTED ON EXISTING HV POLE. FOR ABS ARRANGENT REFER EA STANDARD DRAWING 175902.
5. PROPOSED LOCATION OF CUSTOMER DISTRIBUTION BOARD IS INDICATIVE ONLY. FINAL LOCATION TO BE ADVISED. INSTALLATION TO COMPLY WITH SERVICE AND INSTALLATION RULES OF NSW AND AS/NZ 3000 WIRING RULES.
6. ELECTRICAL / COMMUNICATIONS PITS TO BE INSTALLED AT CHANGE IN DIRECTIONS AND AT A MAXIMUM INTERVAL OF 80m FOR STRAIGHT SECTIONS. LOCATONS AND NUMBER OF PITS TO BE CONFIRMED BY CLIENT
7. HV POWER SUPPLY TO SITE SUBJECT TO LEVEL 3 DESIGN AND ENERGY AUSTRALIA APPROVAL
8. WATER SUPPLY TO SITE SUBJECT TO HUNTER WATER FEASABILITY STUDY AND APPROVAL
9. APPROPRIATE SERVICES PROTECTION TO BE INSTALLED WHERE SERVICES CROSS ROADS OR ACCESS WAYS



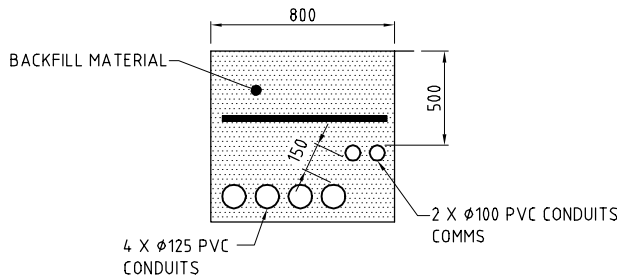
SINGLE LINE DIAGRAM



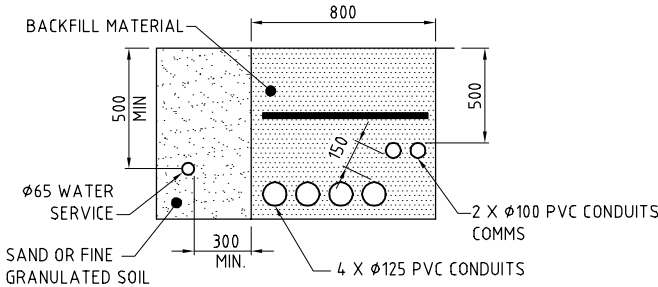
SECTION 1 LV CABLE TRENCH
N.T.S.



SECTION 3 WATER TRENCH
N.T.S.





SECTION 2 COMBINED TRENCH LV & COMMS
N.T.S.



SECTION 4 COMBINED TRENCH WATER, LV & COMMS
N.T.S.

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REVISIONS								DESIGNED	W.WAN	CHECKED	A.KIELNIA CZ	 		COMBINED SERVICES DETAILS					
	03	TT	21.06.10	POST ADEQUACY REVIEW VERSION			DRAWN	M.TARRANT	CHECKED	J.ALLSOP									
	02	MT	04.11.09	FINAL CONCEPT PLAN		JL	APPROVED	J.LASKY	DATE										
	01	J.S.	23.09.09	DRAFT FOR CIVILAKE APPROVAL		JL													
	No.	BY	DATE	DESCRIPTION							APPD								
												AECOM Australia Pty Ltd A.B.N. 20 093 846 925		STATUS: CONCEPT		DRAWING NO: 60101141-DWG-10-CI0007		REV: 03	

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