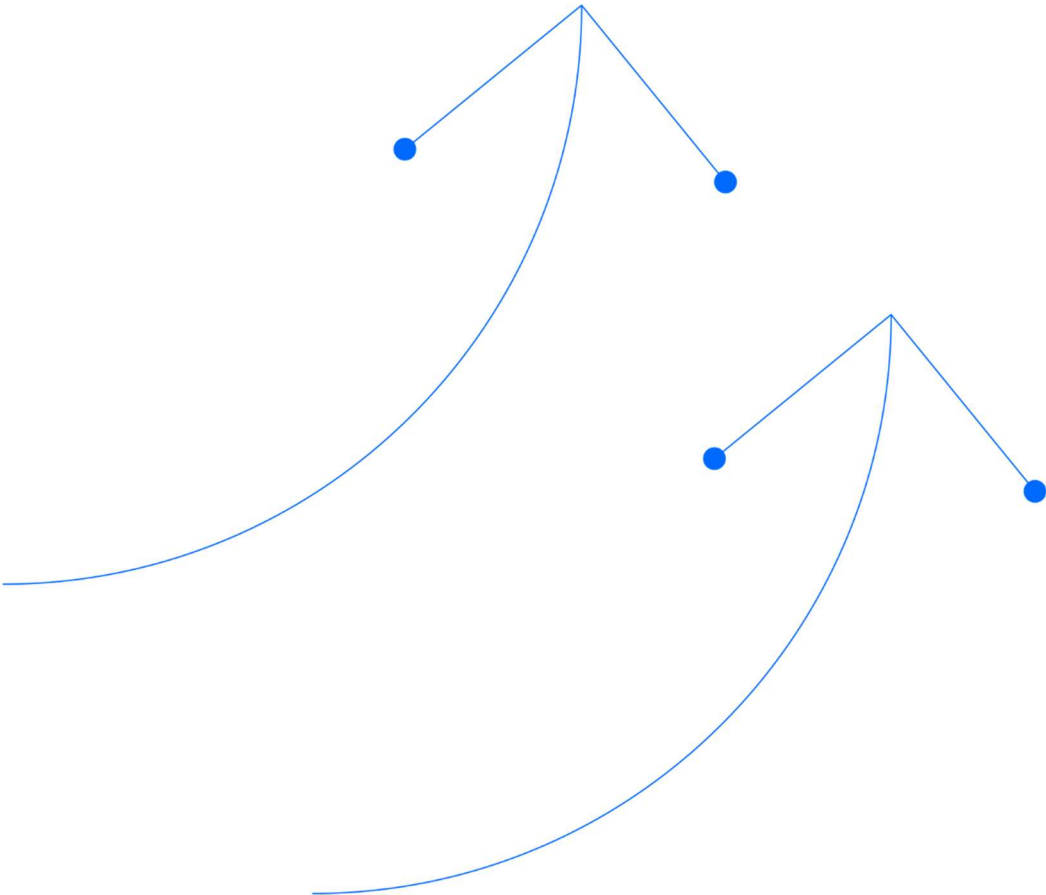


APPENDIX P: ENGINEERING DRAWINGS

April 2026





MAP OVERVIEW
SCALE: NTS

LEGEND

- - - - - HARDSTAND
- WELLPAD BOUNDARY
- · - · - SITE BOUNDARY
- - - - - DISTURBANCE FOOTPRINT
- · - · - PROJECT AREA
- IMPACT MONITORING BORE (IMB)
- CONTROL MONITORING BORE (CMB)

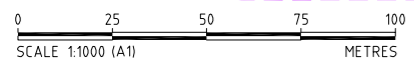
SITE BOUNDARY COORDINATES (GDA94/MGA53)

POINT	EASTING (m)	NORTHING (m)
1	469388	8169707
2	469889	8169708
3	469889	8169409
4	469389	8169409

TOPSOIL STRIPPING & GRAVEL CAP AREA ESTIMATES

DESCRIPTION	DIMENSIONS (m)	AREA (m ²)	STRIP DEPTH (mm)	TOPSOIL VOLUME (m ³)	ASSUMED GRAVEL DEPTH (mm)	GRAVEL VOLUME (m ³)
LAYDOWN	125(L)* 75(W)	9375	100	938	150	1406
CAMPSITE	80(L)* 80(W)	6400	100	640	150	960
HARDSTAND & RIG/FRAC FOOTPRINT	220(L)* 135(W)	29700	100	2970	150	4455
TANK PADS (APPRAISAL)	144(L)* 144(W)	20736	100	2074	150	3110
TANK PADS (FUTURE EXPANSION)	MULTIPLE	42000	100	4200	150	6300
TOTAL				10821		16232

NEWCASTLE SOUTH CONCEPT SITE PLOT PLAN
SCALE: 1:1000



DRN:	ELB	SANTOS Q.A.:	
DATE:	25/06/25	PROJ NO.:	
SCALE:	1:1000	RE NAME:	
CHKD:	ALH	RE NO.:	
ENG:	JAL	RE COMPANY:	FYFE

1	17/10/25	JWS	MXC	JAL					RE-ISSUED FOR APPROVAL (PMC-NA-000163)
0	25/06/25	ELB	ALH	JAL					ISSUED FOR APPROVAL (PMC-NA-000163)
No	DATE	DRN	CHKD	ENG	SANTOS Q.A.	PROJ NO.	RE NAME	RE NO.	RE COMPANY
					DESCRIPTION	DRG No.	SUBJECT		

AREA NUMBER 1052 - EP161
NEWCASTLE SOUTH - McARTHUR APPRAISAL
SITE PLOT PLAN
LAYOUT

Santos DRAWING No. 1052-040-LDD-0001 REV 1



MAP OVERVIEW
SCALE: NTS

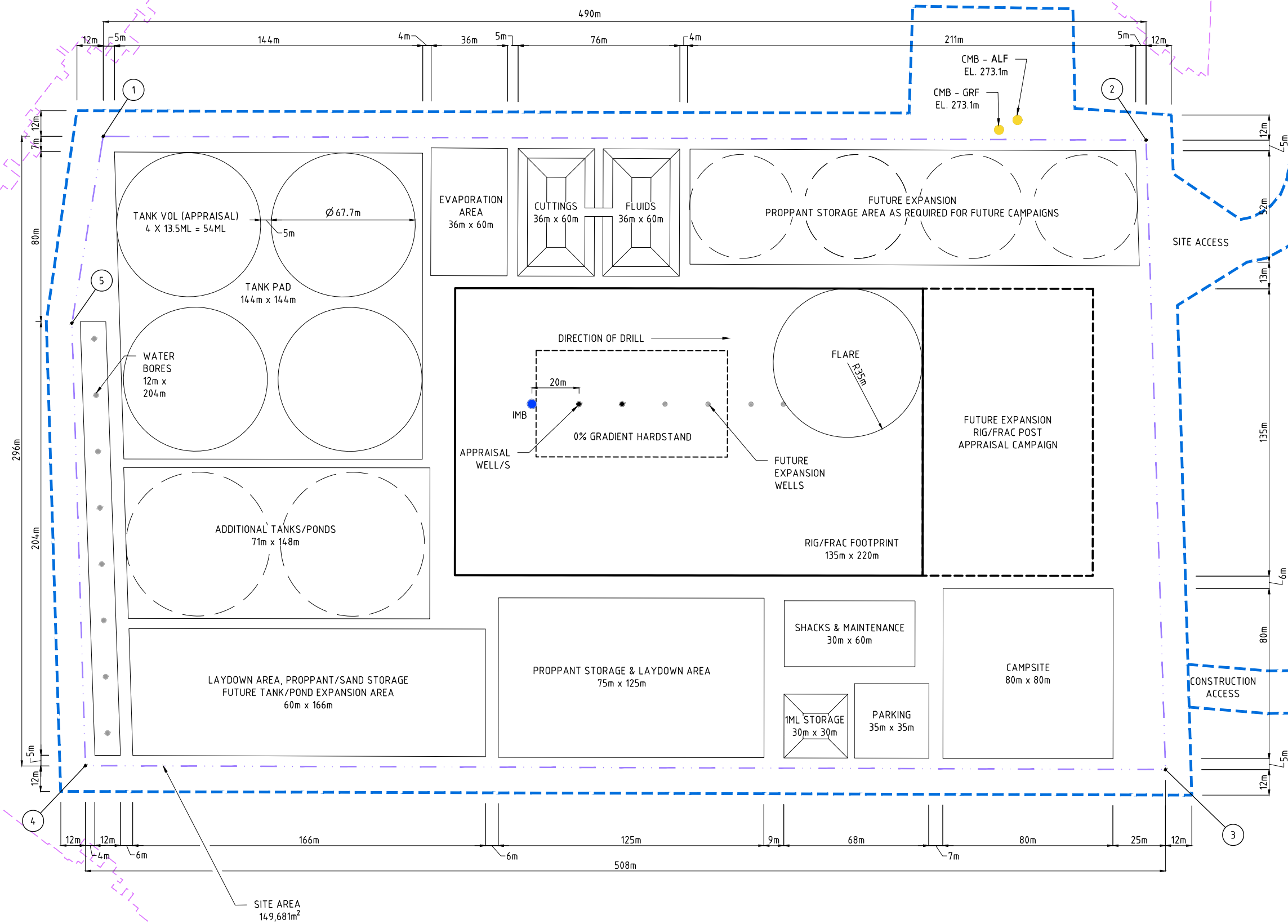
LEGEND

- HARDSTAND
- WELLPAD BOUNDARY
- SITE BOUNDARY
- DISTURBANCE FOOTPRINT
- PROJECT AREA
- IMPACT MONITORING BORE (IMB)
- CONTROL MONITORING BORE (CMB)

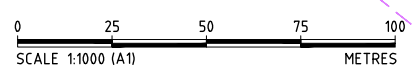
CONTROL MONITORING BORES (GDA94/MGA53)		
POINT	EASTING (m)	NORTHING (m)
ALF - ANTHONY LAGOON FORMATION	459036	8181384
GRF - GUM RIDGE FORMATION	459045	8181380

SITE BOUNDARY COORDINATES (GDA94/MGA53)		
POINT	EASTING (m)	NORTHING (m)
1	458773	8181713
2	459075	8181327
3	458848	8181137
4	458535	8181537
5	458695	8181671

TOPSOIL STRIPPING & GRAVEL CAP AREA ESTIMATES						
DESCRIPTION	DIMENSIONS (m)	AREA (m ²)	STRIP DEPTH (mm)	TOPSOIL VOLUME (m ³)	GRAVEL DEPTH (mm)	GRAVEL VOLUME (m ³)
LAYDOWN	125 (L)* 75 (W)	9375	100	938	150	1406
CAMPSITE	80 (L)* 80 (W)	6400	100	640	150	960
HARDSTAND & RIG/FRAC FOOTPRINT	220 (L)* 135 (W)	29700	100	2970	150	4455
TANK PADS (APPRAISAL)	144 (L)* 144 (W)	20736	100	2074	150	3110
TANK PADS (FUTURE EXPANSION)	MULTIPLE	42000	100	4200	150	6300
TOTAL				10821		16232



JIBERA SOUTH CONCEPT SITE PLOT PLAN
SCALE: 1:1000



26/02/26		ELB	MME	JAL	RE-ISSUED FOR APPROVAL (PMC-NA-000163)		DRN: ELB	SANTOS Q.A.:
17/10/25		JWS	MXC	JAL	RE-ISSUED FOR APPROVAL (PMC-NA-000163)		DATE: 25/06/25	PROJ NO.:
25/06/25		ELB	ALH	JAL	ISSUED FOR APPROVAL (PMC-NA-000163)		SCALE: 1:1000	RE NAME:
No	DATE	DRN	CHKD	ENG	SANTOS Q.A.	PROJ NO.	CHKD: ALM	RE NO.:
							ENG: JAL	RE COMPANY: FYFE
					1052-040-LDD-0004		CIVIL AND EROSION & SEDIMENT CONTROL LAYOUT	
					DRG No.		SUBJECT	
							A.B.N. 12 131 271 648	

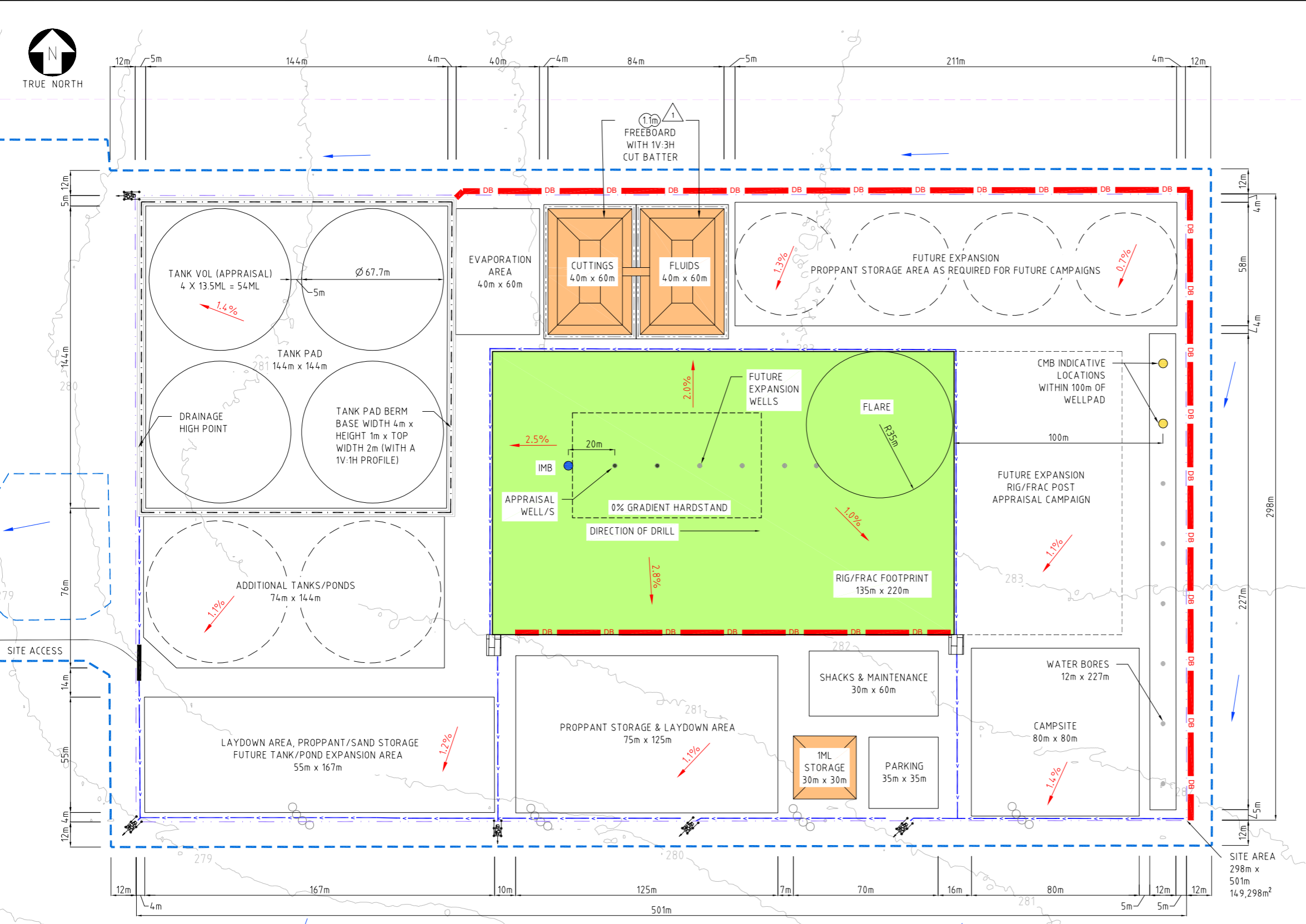
AREA NUMBER 1052 - EP161
JIBERA SOUTH - McARTHUR APPRAISAL
SITE PLOT PLAN
LAYOUT

Santos

DRAWING No. 1052-040-LDD-0003
REV 2



MAP OVERVIEW
SCALE: NTS



LEGEND

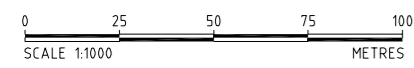
- CUT
- FILL
- HARDSTAND (0% GRADIENT)
- WELLPAD BOUNDARY
- SITE BOUNDARY
- DISTURBANCE FOOTPRINT
- PROJECT AREA
- TANK PAD BERMS
- PIT/SUMP BERMS
- 1m CONTOUR - NATURAL SURFACE
- TYPE 3: U-SHAPED SEDIMENT TRAP WITH STABILISED ROCK DISSIPATOR
- SUPPLEMENTARY TYPE 3: ROCK CHECK DAM
- DB --- DIVERSION BANKS
- CROSS DRAINAGE / TRAFFICABLE DRAIN
- WHOA-BOY / TRAFFICABLE DRAIN
- SITE DRAIN
- FALL --- CROSS FALL / DIRTY WATER
- CLEAN WATER
- IMPACT MONITORING BORE (IMB)
- CONTROL MONITORING BORE (CMB)

CUT/FILL VOLUME ESTIMATES					
DESCRIPTION	DIMENSIONS (m)	SLOPE/BATTER	AREA (m ²)	STORAGE CAPACITY (m ³)	CUT/FILL (m ³)
HARDSTAND & RIG/FRAC FOOTPRINT	220(L)*135(W)	AS SHOWN	29700	N/A	23000
CUTTINGS (1.5m FB)	60(L) ₁ *40(W) ₁ , 33(L) ₂ *13(W) ₂ , 3(D)	1V:3H	2400	2400	-3600
FLUIDS (1.5m FB)	60(L) ₁ *40(W) ₁ , 33(L) ₂ *13(W) ₂ , 3(D)	1V:3H	2400	2400	-3600
1ML STORAGE	30(L) ₁ *30(W) ₁ , 12(L) ₂ *12(W) ₂ , 3(D)	1V:3H	900	1000	-1400
ESTIMATED REQUIRED FILL					14400

NEWCASTLE SOUTH CONCEPT PLAN
SCALE: 1:1000

NOTES:

1. LEASE LEVEL TOLERANCE IN THE RIG PAD AREA IS TO BE MAINTAINED. THE AREA SHALL BE LEVELLED, AND GROUND COMPACTION SHALL BE FIRM ENOUGH TO SUPPORT THE RIG. A MINIMUM COMPACTED FILL DEPTH OF 150mm USING APPROVED SELECT FILL IS REQUIRED.
2. RIG HARDSTAND AREA (REFER TO STANDARD LEASE LAYOUT) SHALL HAVE A MINIMUM BEARING CAPACITY OF 192kPa. EXCAVATE TO A DEPTH OF 700mm BELOW THE FINISHED LEASE PAD LEVEL AND BACKFILL USING APPROVED MATERIAL WITH A HIGH SOAKED STABILITY RATING. BACKFILL SHALL BE COMPACTED IN 200mm LAYERS TO A MINIMUM OF 95% STANDARD MAXIMUM DRY DENSITY.
3. SLOPE ON SKIDDING LOCATIONS SHALL NOT EXCEED 1 DEGREE IN THE DIRECTION OF THE SKID PATH. PROVIDE A 4m WIDE FLAT AREA AROUND ALL PITS.
4. CONSTRUCT A 300mm HIGH COMPACTED BUND AND INSTALL FENCING AROUND ALL SIDES OF THE PITS (TEMPORARY FENCE ON THE LEASE SIDE). FINAL FENCE TYPE TO BE CONFIRMED.
5. LEASES SHALL BE FENCED, WITH THE LEASE ENTRY EQUIPPED WITH A GATE OR GRID.
6. WELLSITE SHALL BE FREE-DRAINING WHERE PRACTICABLE.
7. ALL EROSION AND SEDIMENT CONTROLS TO BE INSTALLED PER IECA BEST PRACTICE GUIDELINES.



DRN: ELB		SANTOS Q.A.:	
DATE: 25/06/25		PROJ NO.:	
SCALE: 1:1000		RE NAME:	
CHKD: ALH		RE NO.:	
ENG: JAL		RE COMPANY: FYFE	

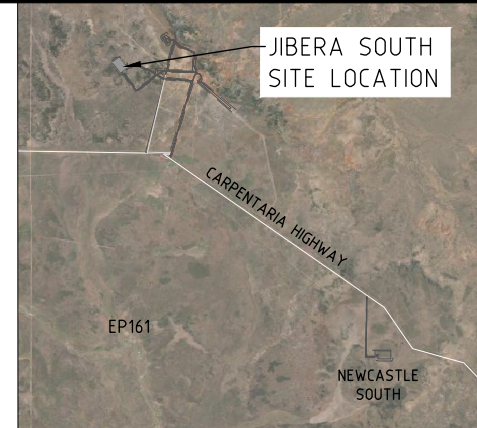
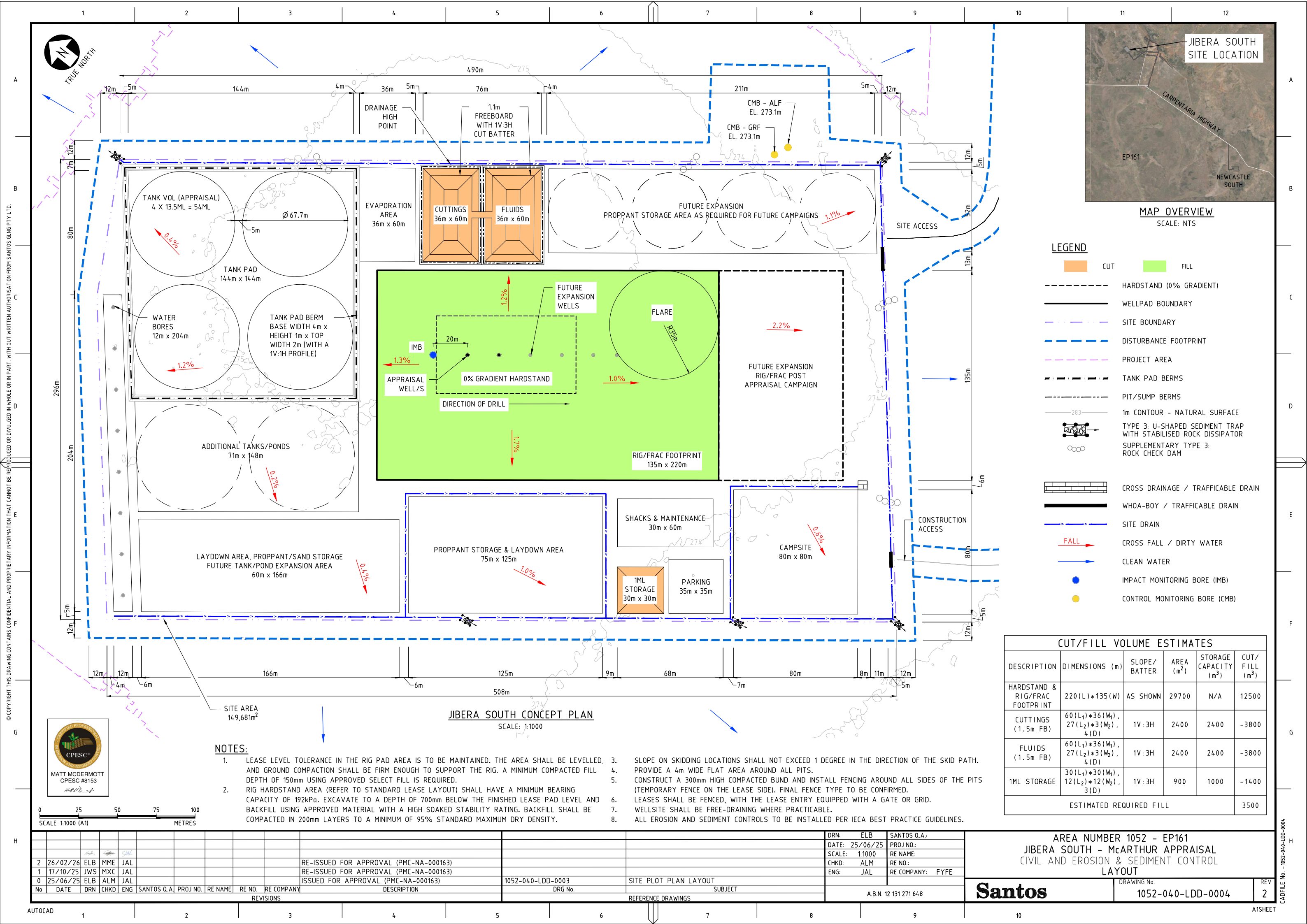
1	17/10/25	JWS	MXC	JAL	RE-ISSUED FOR APPROVAL (PMC-NA-000163)				
0	25/06/25	ELB	ALH	JAL	ISSUED FOR APPROVAL (PMC-NA-000163)	1052-040-LDD-0001			
No	DATE	DRN	CHKD	ENG	SANTOS Q.A.	PROJ NO.	RE NAME	RE NO.	RE COMPANY
					DESCRIPTION	DRG No.			

AREA NUMBER 1052 - EP161
NEWCASTLE SOUTH - McARTHUR APPRAISAL
CIVIL AND EROSION & SEDIMENT CONTROL
LAYOUT

Santos

DRAWING No. 1052-040-LDD-0002

REV 1



MAP OVERVIEW
SCALE: NTS

LEGEND

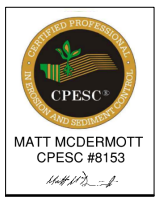
- CUT
- FILL
- HARDSTAND (0% GRADIENT)
- WELLPAD BOUNDARY
- SITE BOUNDARY
- DISTURBANCE FOOTPRINT
- PROJECT AREA
- TANK PAD BERMS
- PIT/SUMP BERMS
- 1m CONTOUR - NATURAL SURFACE
- TYPE 3: U-SHAPED SEDIMENT TRAP WITH STABILISED ROCK DISSIPATOR
- SUPPLEMENTARY TYPE 3: ROCK CHECK DAM
- CROSS DRAINAGE / TRAFFICABLE DRAIN
- WHOA-BOY / TRAFFICABLE DRAIN
- SITE DRAIN
- CROSS FALL / DIRTY WATER
- CLEAN WATER
- IMPACT MONITORING BORE (IMB)
- CONTROL MONITORING BORE (CMB)

CUT/FILL VOLUME ESTIMATES				
DESCRIPTION	DIMENSIONS (m)	SLOPE/BATTER	AREA (m ²)	CUT/FILL (m ³)
HARDSTAND & RIG/FRAC FOOTPRINT	220(L)*135(W)	AS SHOWN	29700	N/A
CUTTINGS (1.5m FB)	60(L ₁)*36(W ₁), 27(L ₂)*3(W ₂), 4(D)	1V:3H	2400	2400 -3800
FLUIDS (1.5m FB)	60(L ₁)*36(W ₁), 27(L ₂)*3(W ₂), 4(D)	1V:3H	2400	2400 -3800
1ML STORAGE	30(L ₁)*30(W ₁), 12(L ₂)*12(W ₂), 3(D)	1V:3H	900	1000 -1400
ESTIMATED REQUIRED FILL				3500

JIBERA SOUTH CONCEPT PLAN
SCALE: 1:1000

NOTES:

- LEASE LEVEL TOLERANCE IN THE RIG PAD AREA IS TO BE MAINTAINED. THE AREA SHALL BE LEVELLED, AND GROUND COMPACTION SHALL BE FIRM ENOUGH TO SUPPORT THE RIG. A MINIMUM COMPACTED FILL DEPTH OF 150mm USING APPROVED SELECT FILL IS REQUIRED.
- RIG HARDSTAND AREA (REFER TO STANDARD LEASE LAYOUT) SHALL HAVE A MINIMUM BEARING CAPACITY OF 192kPa. EXCAVATE TO A DEPTH OF 700mm BELOW THE FINISHED LEASE PAD LEVEL AND BACKFILL USING APPROVED MATERIAL WITH A HIGH SOAKED STABILITY RATING. BACKFILL SHALL BE COMPACTED IN 200mm LAYERS TO A MINIMUM OF 95% STANDARD MAXIMUM DRY DENSITY.
- SLOPE ON SKIDDING LOCATIONS SHALL NOT EXCEED 1 DEGREE IN THE DIRECTION OF THE SKID PATH.
- PROVIDE A 4m WIDE FLAT AREA AROUND ALL PITS.
- CONSTRUCT A 300mm HIGH COMPACTED BUND AND INSTALL FENCING AROUND ALL SIDES OF THE PITS (TEMPORARY FENCE ON THE LEASE SIDE). FINAL FENCE TYPE TO BE CONFIRMED.
- LEASES SHALL BE FENCED, WITH THE LEASE ENTRY EQUIPPED WITH A GATE OR GRID.
- WELLSITE SHALL BE FREE-DRAINING WHERE PRACTICABLE.
- ALL EROSION AND SEDIMENT CONTROLS TO BE INSTALLED PER IECA BEST PRACTICE GUIDELINES.



SCALE 1:1000 (A1)
METRES

No	DATE	DRN	CHKD	ENG	SANTOS Q.A.	PROJ NO.	RE NAME	RE NO.	RE COMPANY	DESCRIPTION	1052-040-LDD-0003	DRG No.	SITE PLOT PLAN LAYOUT	REFERENCE DRAWINGS	SUBJECT	A.B.N. 12 131 271 648
2	26/02/26	ELB	MME	JAL						RE-ISSUED FOR APPROVAL (PMC-NA-000163)						
1	17/10/25	JWS	MXC	JAL						RE-ISSUED FOR APPROVAL (PMC-NA-000163)						
0	25/06/25	ELB	ALM	JAL						ISSUED FOR APPROVAL (PMC-NA-000163)						

AREA NUMBER 1052 - EP161
JIBERA SOUTH - McARTHUR APPRAISAL
CIVIL AND EROSION & SEDIMENT CONTROL LAYOUT

Santos

DRN: ELB
DATE: 25/06/25
SCALE: 1:1000
CHKD: ALM
ENG: JAL

SANTOS Q.A.:
PROJ NO.:
RE NAME:
RE NO.:
RE COMPANY: FYFE

DRAWING No. 1052-040-LDD-0004
REV 2