

DO NOT SCALE FROM DRAWING

- ### EARTHWORKS PHASING
- STAGE 1: SITE PREPARATION**
- SOIL STRIP TO COMPOUND, INCLUDING TEMPORARY TOPSOIL STORAGE
 - INSTALL PRE-EARTHWORKS DRAINAGE PER SURFACE WATER MANAGEMENT PLAN/PPP
- STAGE 2: COMPOUND AND ACCESS SETUP**
- EXCAVATE COMPOUND TO FORMATION
 - FORM ACCESS TRACK
 - IMPORT STONE FOR COMPOUND AND ACCESS TRACK
- STAGE 3: TEMPORARY HAUL ROADS AND PLATFORMS**
- FORM TEMPORARY HAUL ROADS
 - SOIL STRIP PLATFORM (CELLS A TO D), INCLUDING TEMPORARY TOPSOIL STORAGE
- STAGE 4: BULK EARTHWORKS**
- CUT AND FILL OPERATIONS TO CREATE THE PLATFORM (CELLS A TO D)
 - FORM LANDSCAPING BUNDS AS EXCAVATION WORKS PROGRESS
- STAGE 5: FINAL SURFACING AND REINSTATEMENT**
- IMPORT AND PLACE TOP 1 METRE OF STONE FOR THE PLATFORM
 - REINSTATE COMPOUND
 - FINAL DRESSING TO LANDSCAPING BUNDS

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- ### EARTHWORKS STRATEGY LEGEND
- CUT
 - FILL (CLASS 1/2)
 - FILL (LANDSCAPE)
 - TEMPORARY TOPSOIL STORAGE
 - TEMPORARY HAUL ROAD

- ### LAYOUT KEY
- SCREENING BUND
 - ACCESS TRACK
 - EXTENT OF TRACK EARTHWORKS
 - SECURITY FENCE

- ### DRAINAGE LEGEND
- SWALE
 - EXISTING WATERCOURSES/DRAINS

- ### KEY
- PLANNING APPLICATION BOUNDARY (AREA - c. 77.86Ha)

- ### EARTHWORKS KEY
- 1:3.5 FILL SLOPE
 - 1:3.5 CUT SLOPE

- ### OVERHEAD LINE KEY
- 400kV ALYTH TO EMMOCK
 - 400kV WESTFIELD TO EMMOCK
 - 275kV TEALING TO EMMOCK (WEST)
 - 275kV TEALING TO EMMOCK (EAST)
 - KINTORE TO TEALING 400 KV

- ### MATERIAL HANDLING SEQUENCE
1. TOPSOIL FROM COMPOUND AND ACCESS TRACK TO TEMP. SOIL STORAGE AREA
 2. U/S SUBSOILS FROM COMPOUND TO LANDSCAPE BUNDS
 3. SUITABLE SUBSOILS FROM COMPOUND TO ACCESS TRACK
 4. IMPORTED STONE TO COMPOUND AND ACCESS TRACK
 5. TOPSOIL STRIP FROM PLATFORM CELL 1A/2A TO 1D/2D TO TEMP. SOIL STORAGE AREA
 6. U/S SUBSOILS FROM PLATFORM CELLS 1A-1D TO LANDSCAPE BUNDS
 7. SUITABLE SUBSOILS AND ROCK FROM CELLS 1A-1D TO CELLS 2A-2D
 8. SURPLUS SUITABLE SOILS AND ROCK FROM CELLS 1A-1D TO LANDSCAPE BUNDS
 9. IMPORT STONE TO PLATFORM CELLS 1A/1D TO 1D/2D
 10. TOPSOILS FROM SOIL STORAGE AREA TO LANDSCAPE BUNDS
 11. SUBSOILS AND TOPSOILS FROM SOIL STORAGE AREA TO COMPOUND REINSTATEMENT

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LOCATION	CUT			Available Fill (based on reuse & bulking factors upper/lower bound average)		EARTHWORKS MOVEMENTS						FILL		
	Topsoil Volume (m³)	Subsoil volume	Rock Volume	Available Class 1/2 General Fill (m³)*	Available landscaping fill (m³)*	Class 1/2 to Cell 2A	Class 1/2 to Cell 2B	Class 1/2 to Cell 2C	Class 1/2 to Cell 2D	Class 1/2 to access track	Fill material to temp stockpile for later compound reinstatement	Surplus Fill to landscape bunds	Total Class 1/2 fill required (m³)	Total Landscape Fill required (m³)
CELL 1A	11,000	175,500	25,500	111,500	110,500	61,000					87,500	73,500	-	-
CELL 1B	12,000	157,000	15,500	93,500	100,000		68,000					125,500	-	-
CELL 1C	11,500	139,500	26,500	94,000	93,500			76,000				111,500	-	-
CELL 1D	9,500	83,000	32,500	70,000	62,500				39,000			93,500	-	-
CELL 2A	8,000	-	-	-	11,000							11,000	61,000	-
CELL 2B	10,000	-	-	-	13,500							13,500	68,000	-
CELL 2C	11,000	-	-	-	15,000							15,000	76,000	-
CELL 2D	7,000	-	-	-	9,500							9,500	39,000	-
COMPOUND	9,000	78,500	-	40,500	52,500					9,000		84,000	-	87,500
ACCESS TRACK	1,600	-	-	-	2,500							2,500	9,000	-
BUND 1	-	-	-	-	-							-	-	202,500
BUND 2	-	-	-	-	-							-	-	18,500
BUND 3	-	-	-	-	-							-	-	10,600
BUND 4	-	-	-	-	-							-	-	21,500
BUND 5	-	-	-	-	-							-	-	4,500
BUND 6	-	-	-	-	-							-	-	85,000
BUND 7	-	-	-	-	-							-	-	45,000
BUND 8	-	-	-	-	-							-	-	23,000
BUND 9	-	-	-	-	-							-	-	21,500
SWALE	-	-	-	-	-							-	-	-
WIDER LANDSCAPE AREA	-	-	-	-	-							-	-	65,000

- ### NOTES:
- SOIL MOVEMENTS ARE INDICATIVE AT THIS STAGE AND SUBJECT TO CHANGE FOLLOWING FINALISATION OF DETAILED DESIGN AND CONSTRUCTION STAGE PLANNING.
 - MATERIAL QUANTITIES ARE APPROXIMATE AND BASED ON AVERAGE OF MATERIAL RE-USE AND BULKING FACTORS UPPER BOUND AND LOWER BOUND.
 - MATERIAL RE-USE AND BULKING FACTORS BASED ON ASSUMED VALUES. ACTUAL RE-USE POTENTIAL OF EXCAVATED MATERIALS SUBJECT TO WEATHER CONDITIONS AND MATERIAL ACCEPTABILITY WILL VARY THROUGHOUT THE YEAR.
 - TOPSOIL BASED ON 300mm AVERAGE DEPTH ACROSS THE SITE

REV	DATE	DRWN BY	CHKD BY	APPD BY	REMARKS
P01	07.11.24	SF	SF	-	FOR PLANNING APPLICATION ONLY
TRANSMISSION					
PROJECT TITLE					
LT382 - EMMOCK 400 kV SUBSTATION					
DRAWING TITLE					
EARTHWORKS PHASING PLAN PLANNING APPLICATION					
SHEET NUMBER					
EMM04-LT382-OMS-EWKS-XX-D-C-0002					
REV	STATUS	SIZE	SCALE	SHEET NUMBER	
P01	S2	A1	1:2500	01 of 01	