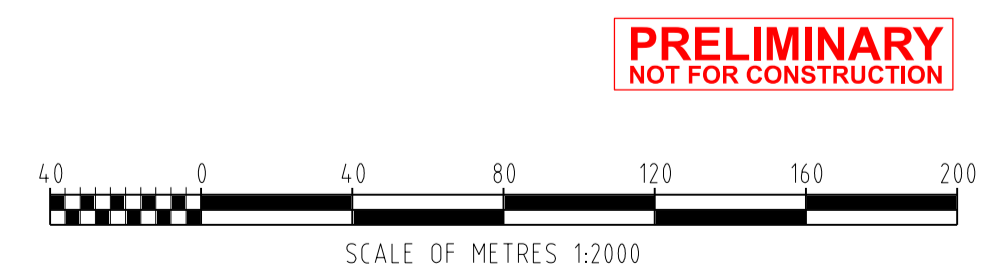


SURVEY	
COORDINATE REF SYSTEM	MGA 94 ZONE 50
HEIGHT DATUM	AHD

- NOTES**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES TO AHD.

LEGEND	
	EXISTING CONTOURS (0.5m INTERVALS)
	DESIGN CONTOURS (0.5m INTERVALS)
	EARTHWORKS CUT
	EARTHWORKS FILL
	EXISTING ACCESS ROADS
	PROPOSED HAUL ROAD ALIGNMENT
	DRAIN MD_DR
	CULVERT
	LEVEE MD_LV
	INTERNAL HME PIT ROADS
	ASPHALT
	PIT SHELL AND BUFFER
	WASTE DUMP AND BUFFER
	TOP SOIL DUMP AND BUFFER
	SEDIMENTATION PONDS MD_SP
	HERITAGE CONSTRAINTS
	ENVIRONMENTAL CONSTRAINTS
	GENERAL FILL WITH 0.2m CAPPING
	GENERAL FILL WITHOUT CAPPING
	SELECT FILL WITH 0.2m CAPPING
	SELECT FILL WITHOUT CAPPING
	MINE WASTE WITH 0.2m CAPPING
	MINE WASTE WITHOUT CAPPING
	MINE WASTE WITH 0.3m CAPPING
	LOW GRADE ORE CAPPING

CENTRAL CRUSHER PAD
SCALE 1:2000



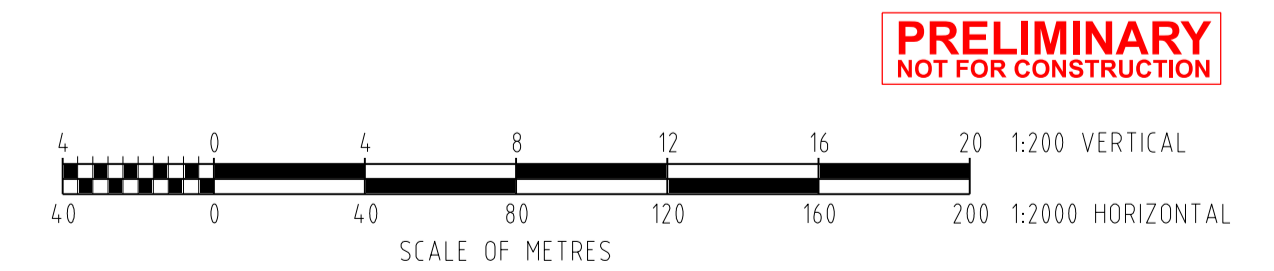
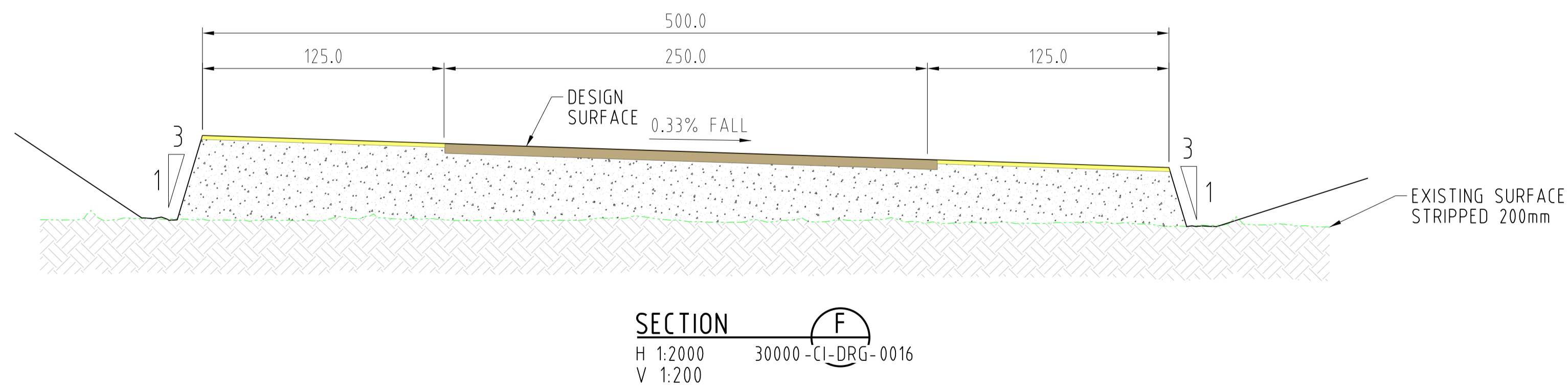
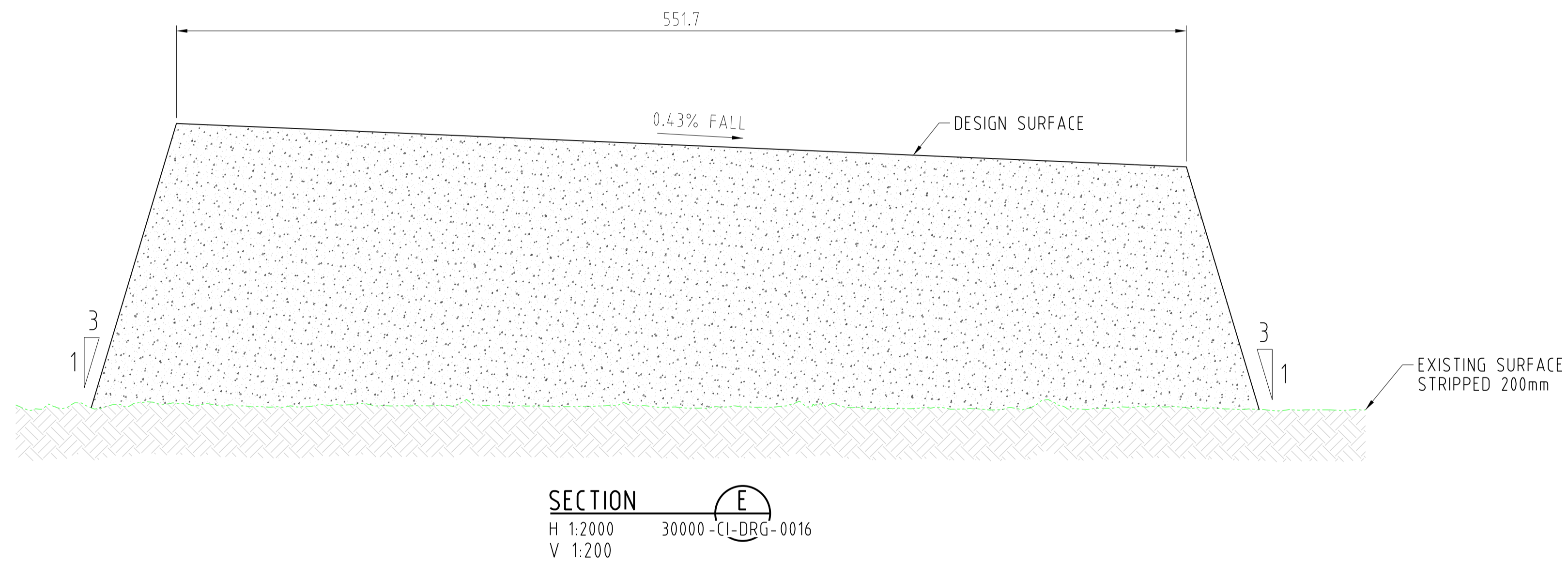
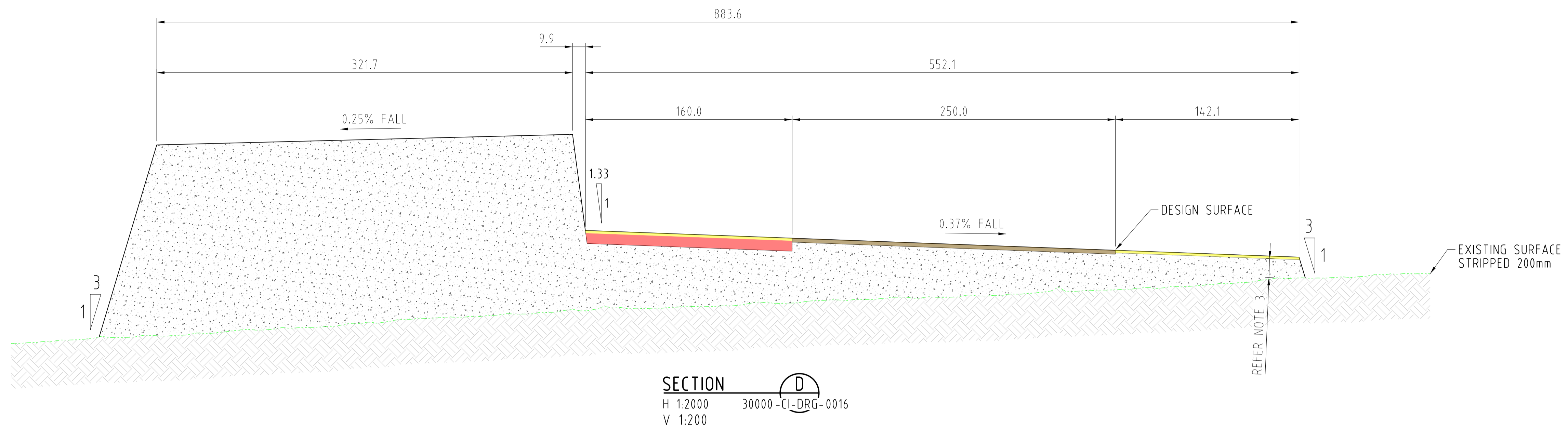
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE	 HANCOCK PROSPECTING <small>HPPH HOUSE 28-42 VENTNOR AVE WEST PERTH WA 6005 P.O. LOCKED BAG NO.2 WEST PERTH WA 6872 ©COPYRIGHT THIS DRAWING IS THE PROPERTY OF HANROY IT SHALL NOT BE COPIED WITHOUT PERMISSION.</small>	SCALE	1:2000	DATE	16.08.2024	MULGA DOWNS MINE BULK EARTHWORKS AND ACCESS ROAD CENTRAL CRUSHER PAD PLAN DRG No MDM-30000-CI-DRG-0016	REV	C	A1
C	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0043-0045	SCHEDULES - CULVERTS, DRAINS AND LEVEES				DRAWN	LC						
B	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0017	CENTRAL CRUSHER PAD - SECTIONS				CHECKED	RH						
A	16.08.24	ISSUED FOR 5% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0008	SEDIMENTATION PONDS - SCHEDULE				ENGINEER	AL						
							MDM-30000-CI-DRG-0001	GENERAL ARRANGEMENT - PLAN - SHEET 6 OF 7	MDM-31300-CI-DRG-0073	INTERNAL HAUL ROAD - PLAN AND PROFILE - SHEET 10 OF 11	APPROVED	AT							
							MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE											

NOTES

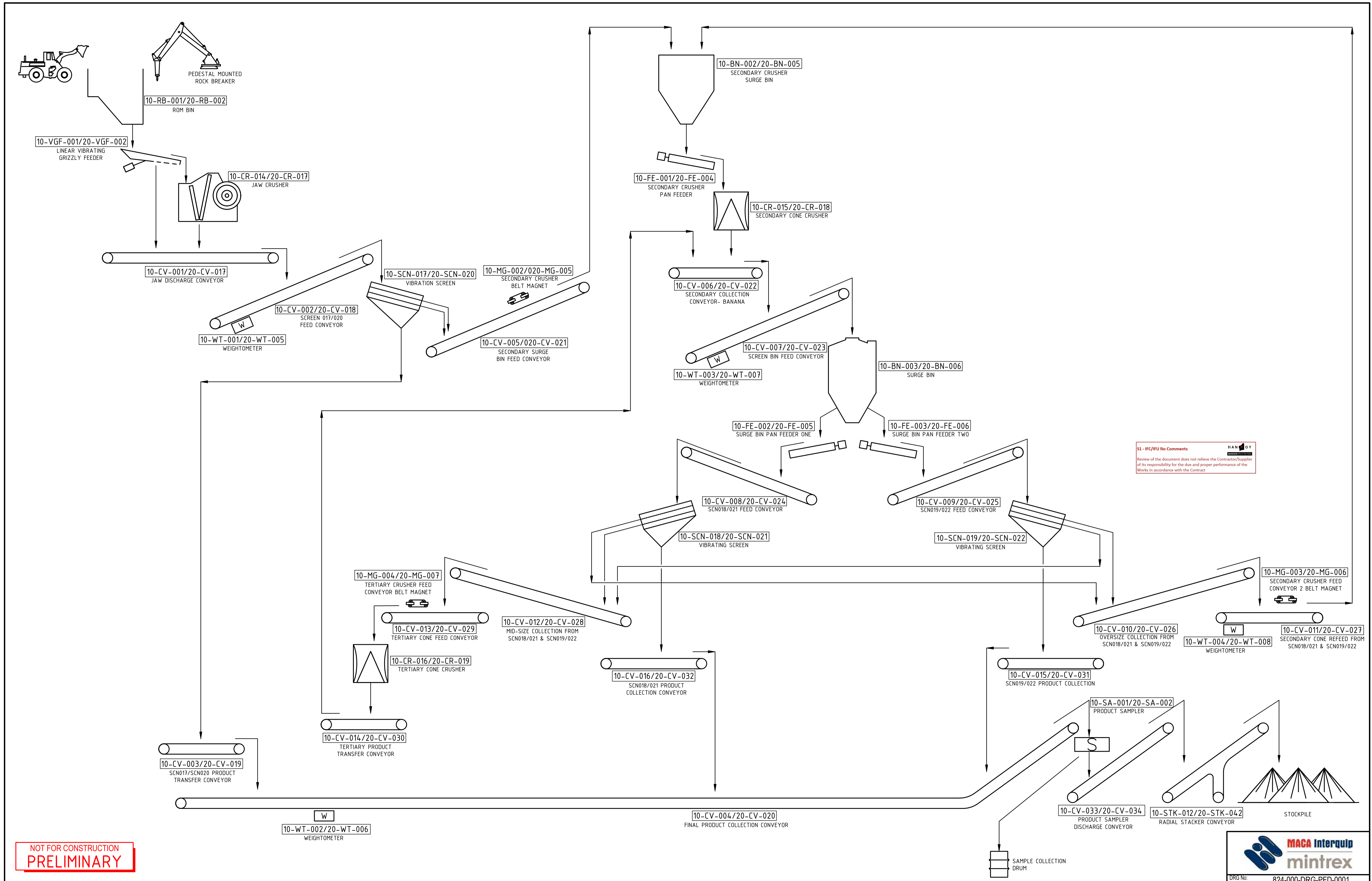
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO AHD.
3. IF MINIMUM MINE WASTE THICKNESS 1m CANNOT BE ACHIEVED, HIGHER QUALITY FILL MATERIAL TO BE FULL DEPTH.

LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GENERAL FILL
	SELECT FILL
	SELECT FILL (REFER NOTE 3)
	CAPPING (0.2m THICK)
	LOW GRADE ORE (0.3m THICK)
	MINE WASTE (MINIMUM 1m THICK REFER NOTE 3)
	NATURAL GROUND



							HAN ROY		<small>HPPI HOUSE 28-42 VENTNOR AVE. WEST PERTH WA 6005 P.O. LOCKED BAG NO.2 WEST PERTH WA 6872</small> <small>©COPYRIGHT THIS DRAWING IS THE PROPERTY OF HAN ROY IT SHALL NOT BE COPIED WITHOUT PERMISSION.</small>		<table border="1"> <tr> <th>SCALE</th> <th>AS SHOWN</th> <th>DATE</th> </tr> <tr> <td>DRAWN</td> <td>LC</td> <td>16.08.2024</td> </tr> <tr> <td>CHECKED</td> <td>RH</td> <td></td> </tr> <tr> <td>ENGINEER</td> <td>AL</td> <td></td> </tr> <tr> <td>APPROVED</td> <td>AT</td> <td></td> </tr> </table>		SCALE	AS SHOWN	DATE	DRAWN	LC	16.08.2024	CHECKED	RH		ENGINEER	AL		APPROVED	AT		<p>MULGA DOWNS MINE BULK EARTHWORKS AND ACCESS ROAD CENTRAL CRUSHER PAD SECTIONS</p>			<p>DRG No MDM-30000-CI-DRG-0017</p>		<p>REV B A1</p>	
SCALE	AS SHOWN	DATE																																
DRAWN	LC	16.08.2024																																
CHECKED	RH																																	
ENGINEER	AL																																	
APPROVED	AT																																	
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE																								
B	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0008	CENTRAL CRUSHER PAD - PLAN																										
A	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE																										



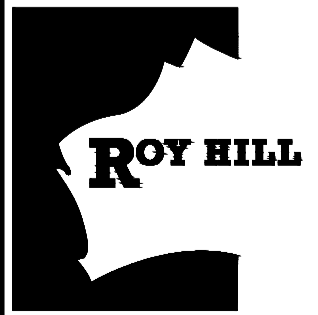
S1 - IFC/NU No Comments
 Review of the document does not relieve the Contractor/Supplier of its responsibility for the due and proper performance of the Works in accordance with the Contract.

NOT FOR CONSTRUCTION
PRELIMINARY



DRG No: 824-000-DRG-PFD-0001

REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
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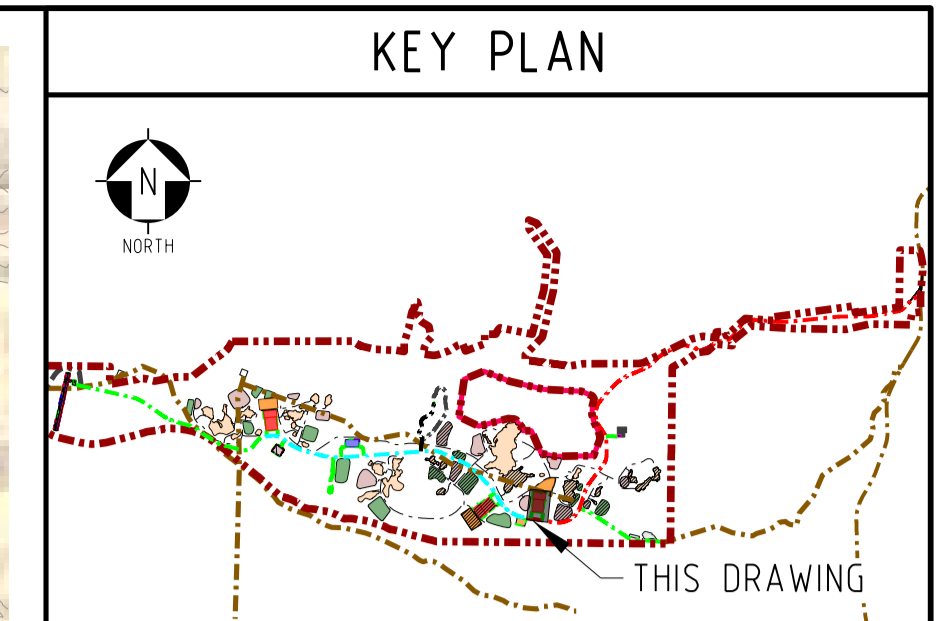
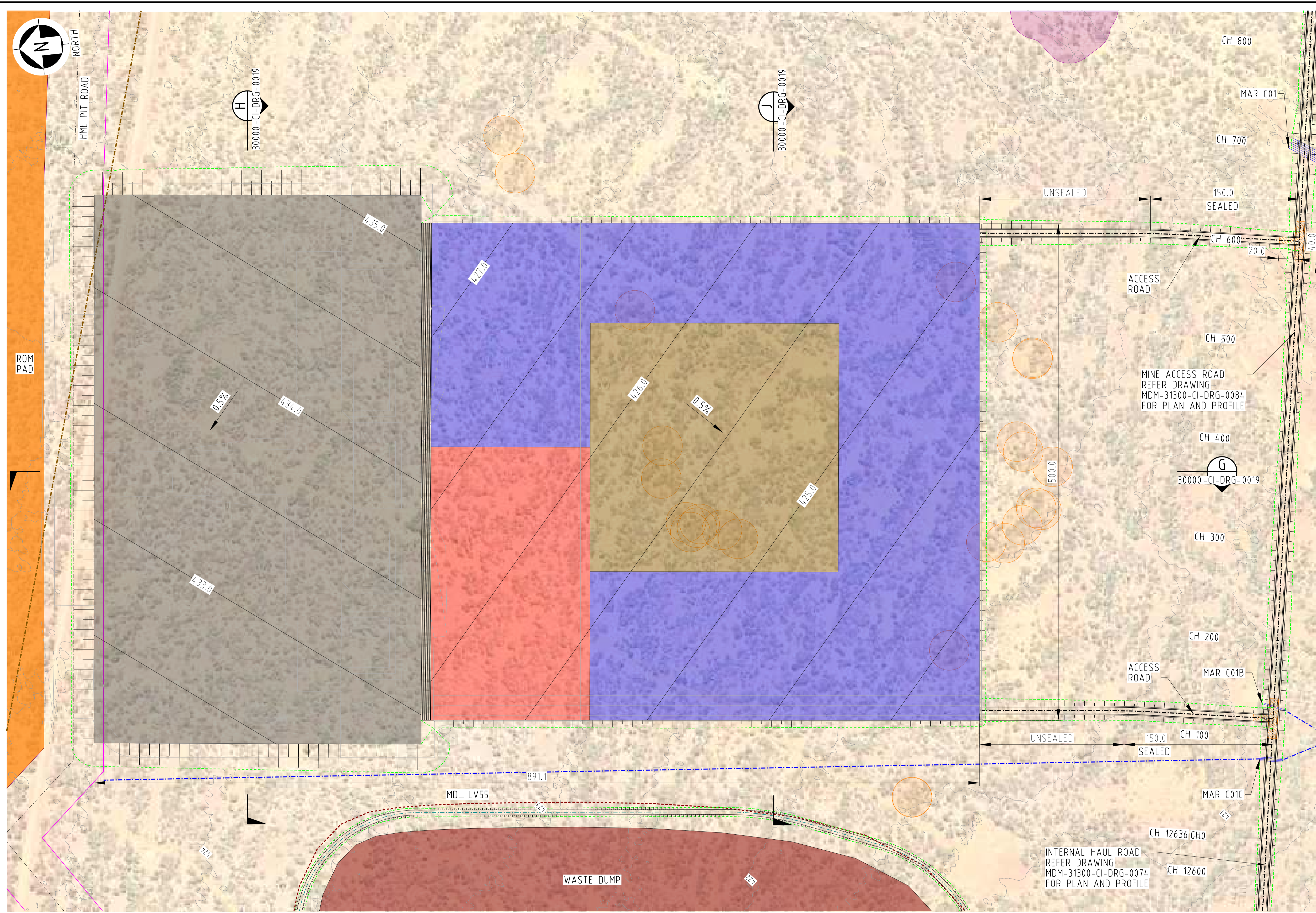
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 Perth Airport WA 6105
 PO Box Locked Bag No. 42
 Welshpool DC WA 6872
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SCALE	NTS	DATE
DRAWN	DF	AUG 2024
CHECKED		
ENGINEER		
APPROVED		

MULGA DOWNS
 5 MTPA CRUSHING PLANT
 OVERALL
 PROCESS FLOW DIAGRAM

DRG No: MDM-20000-PR-PFD-0001

REV 0 A1



SURVEY	
COORDINATE REF SYSTEM	MGA 94 ZONE 50
HEIGHT DATUM	AHD

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES TO AHD.

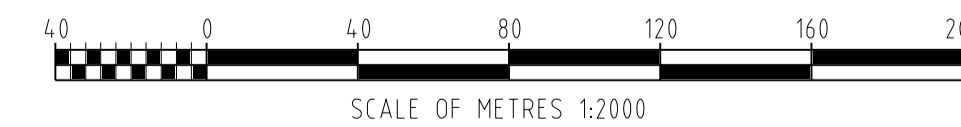
LEGEND

	EXISTING CONTOURS (0.5m INTERVALS)
	DESIGN CONTOURS (0.5m INTERVALS)
	EARTHWORKS CUT
	EARTHWORKS FILL
	EXISTING ACCESS ROADS
	PROPOSED HAUL ROAD ALIGNMENT
	DRAIN MD_DR
	CULVERT
	LEVEE MD_LV
	INTERNAL HME PIT ROADS
	ASPHALT
	PIT SHELL AND BUFFER
	WASTE DUMP AND BUFFER
	TOP SOIL DUMP AND BUFFER
	SEDIMENTATION PONDS MD_SP
	HERITAGE CONSTRAINTS
	ENVIRONMENTAL CONSTRAINTS
	GENERAL FILL WITH 0.2m CAPPING
	GENERAL FILL WITHOUT CAPPING
	SELECT FILL WITH 0.2m CAPPING
	SELECT FILL WITHOUT CAPPING
	MINE WASTE WITH 0.2m CAPPING
	MINE WASTE WITHOUT CAPPING
	MINE WASTE WITH 0.3m LOW GRADE ORE CAPPING

EASTERN CRUSHER PAD

SCALE 1:2000

PRELIMINARY
NOT FOR CONSTRUCTION



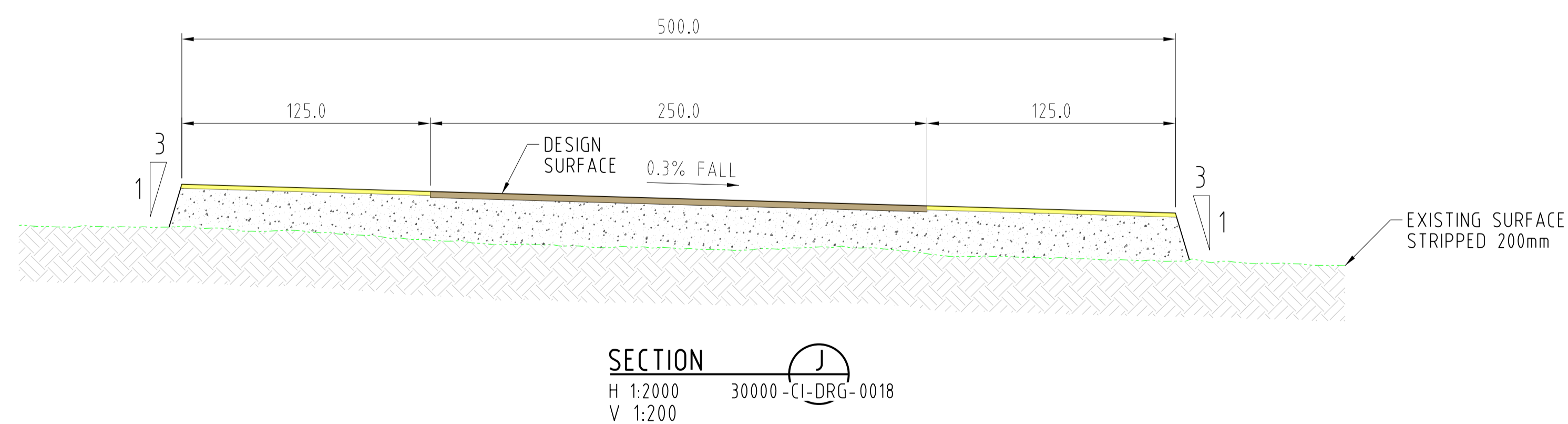
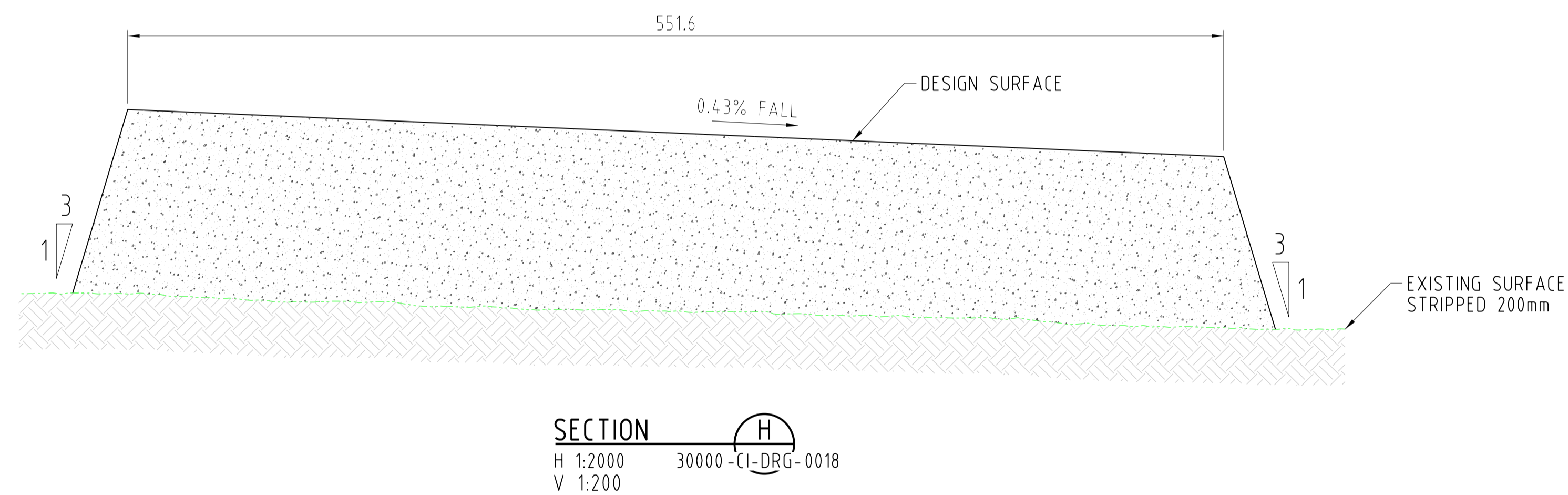
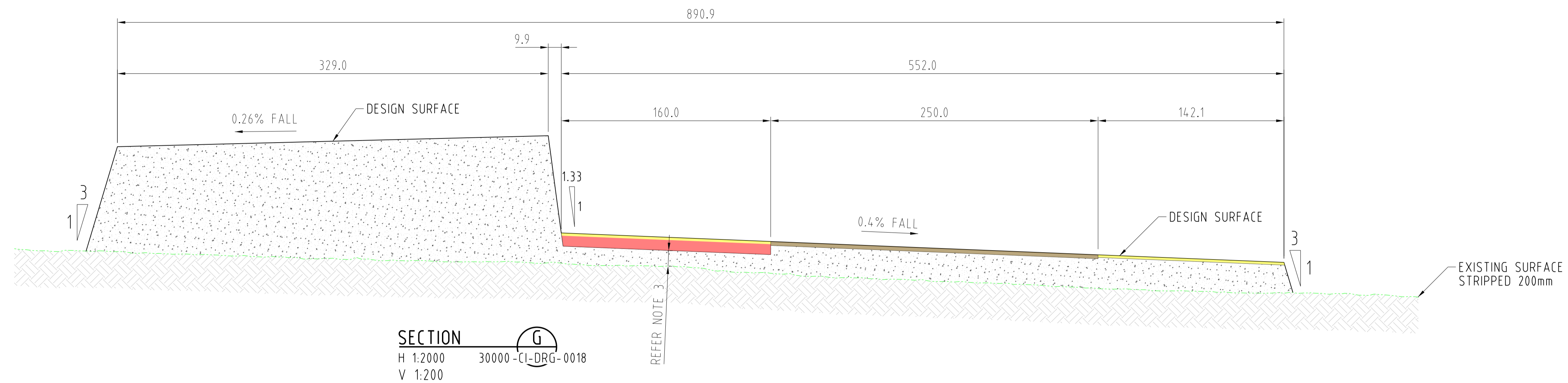
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE	HAN ROY HANCOCK PROSPECTING		SCALE	1:2000	DATE	MULGA DOWNS MINE BULK EARTHWORKS AND ACCESS ROAD EASTERN CRUSHER PAD PLAN					
C	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0019	EASTERN CRUSHER PAD - SECTIONS				DRAWN	LC	16.08.2024	MDM-30000-CI-DRG-0018 REV C A1						
B	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0009	GENERAL ARRANGEMENT - PLAN - SHEET 7 OF 7	MDM-31300-CI-DRG-0084	MINE ACCESS ROAD - PLAN AND PROFILE - SHEET 1 OF 20	CHECKED	RH									
A	16.08.24	ISSUED FOR 5% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE	MDM-31300-CI-DRG-0074	INTERNAL HAUL ROAD - PLAN AND PROFILE - SHEET 11 OF 11	ENGINEER	AL									
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APPROVED	AT	DRG No																			

NOTES

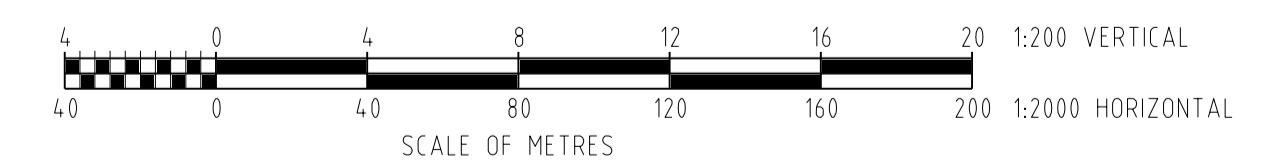
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO AHD.
3. IF MINIMUM MINE WASTE THICKNESS 1m CANNOT BE ACHIEVED, HIGHER QUALITY FILL MATERIAL TO BE FULL DEPTH.

LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GENERAL FILL
	SELECT FILL
	SELECT FILL (REFER NOTE 3)
	CAPPING (0.2m THICK)
	LOW GRADE ORE (0.3m THICK)
	MINE WASTE (MINIMUM 1m THICK REFER NOTE 3)
	NATURAL GROUND



PRELIMINARY
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REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
B	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0018	EASTERN CRUSHER PAD - PLAN		
							MDM-30000-CI-DRG-0009	GENERAL ARRANGEMENT - PLAN - SHEET 7 OF 7		
A	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE		

HAN ROY
HPP1 HOUSE
28-42 VENTNOR AVE.
WEST PERTH WA 6005
P.O. LOCKED BAG NO.2
WEST PERTH WA 6872

HANCOCK PROSPECTING

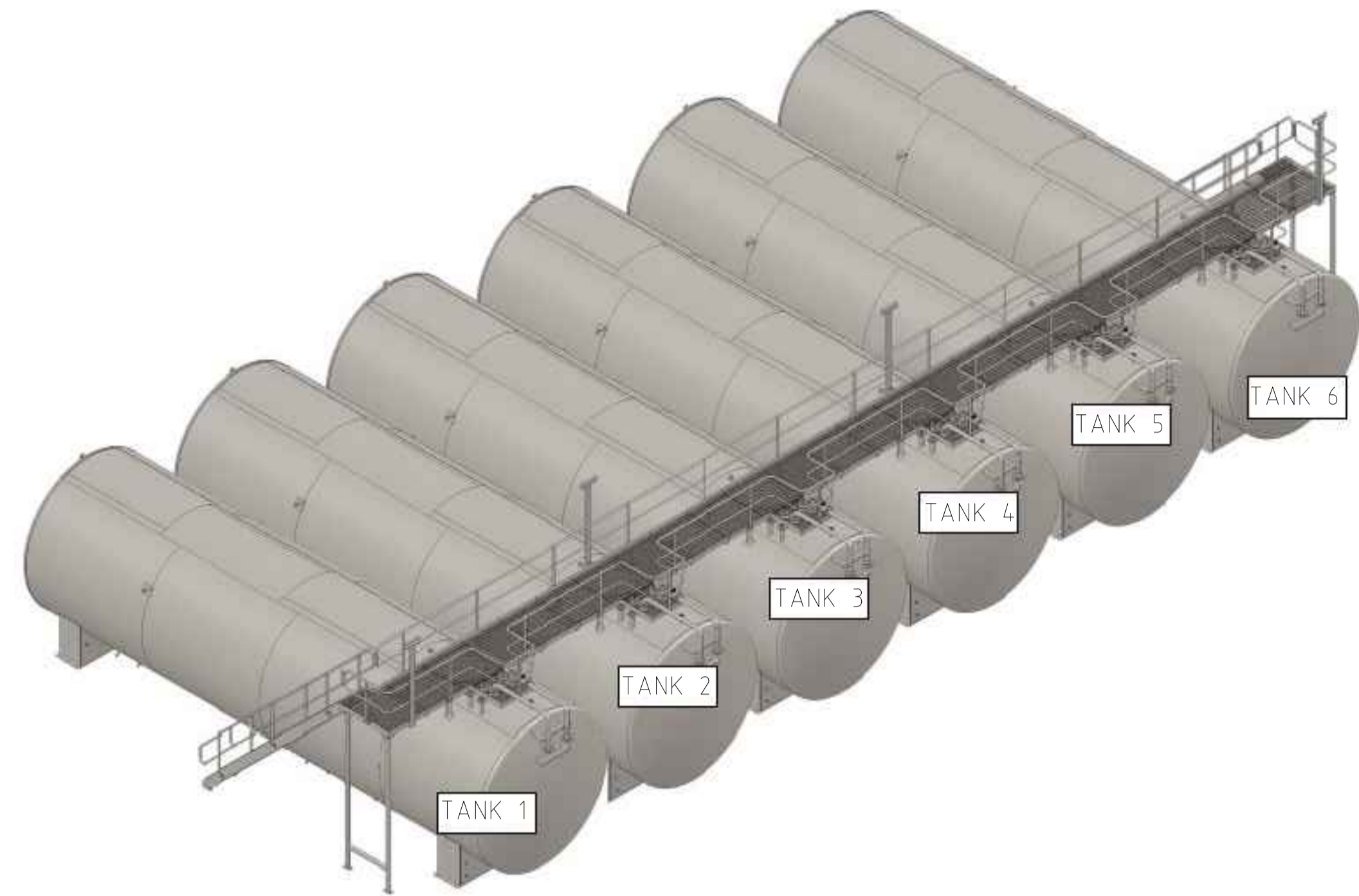
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SCALE	AS SHOWN	DATE
DRAWN	LC	16.08.2024
CHECKED	RH	
ENGINEER	AL	
APPROVED	AT	

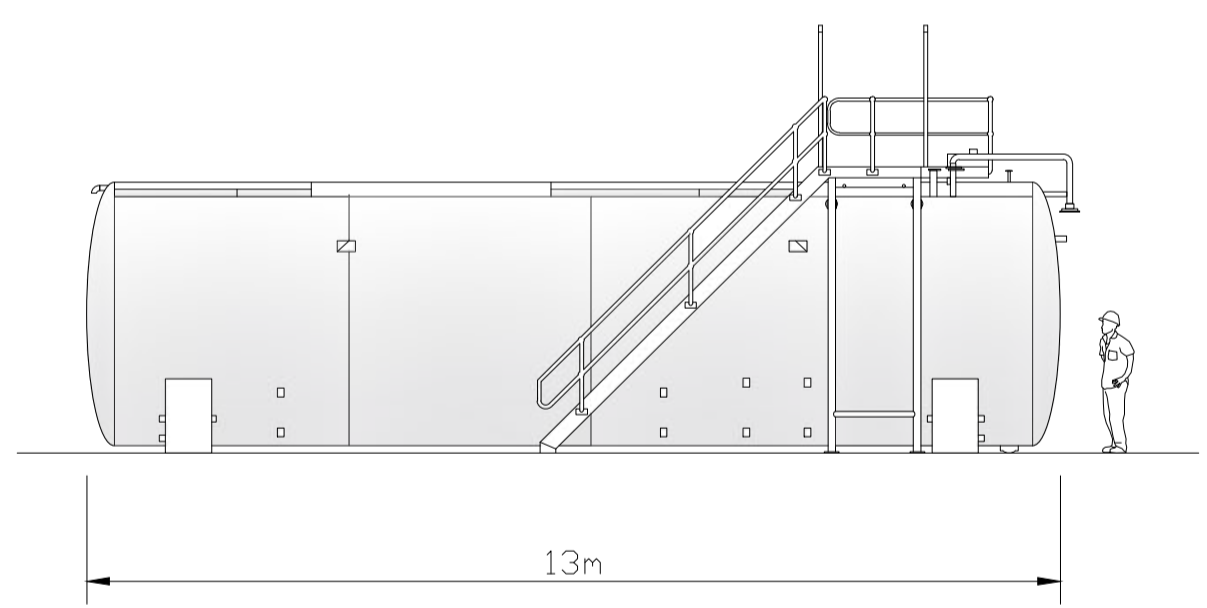
MULGA DOWNS MINE
BULK EARTHWORKS AND ACCESS ROAD
EASTERN CRUSHER PAD
SECTIONS

DRG No: MDM-30000-CI-DRG-0019

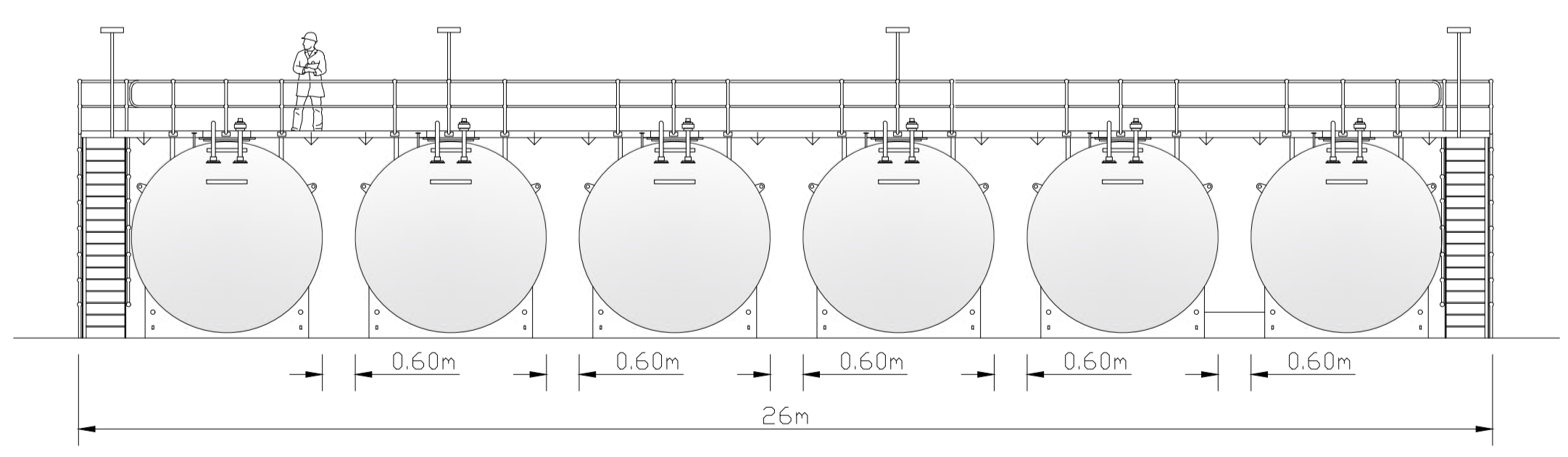
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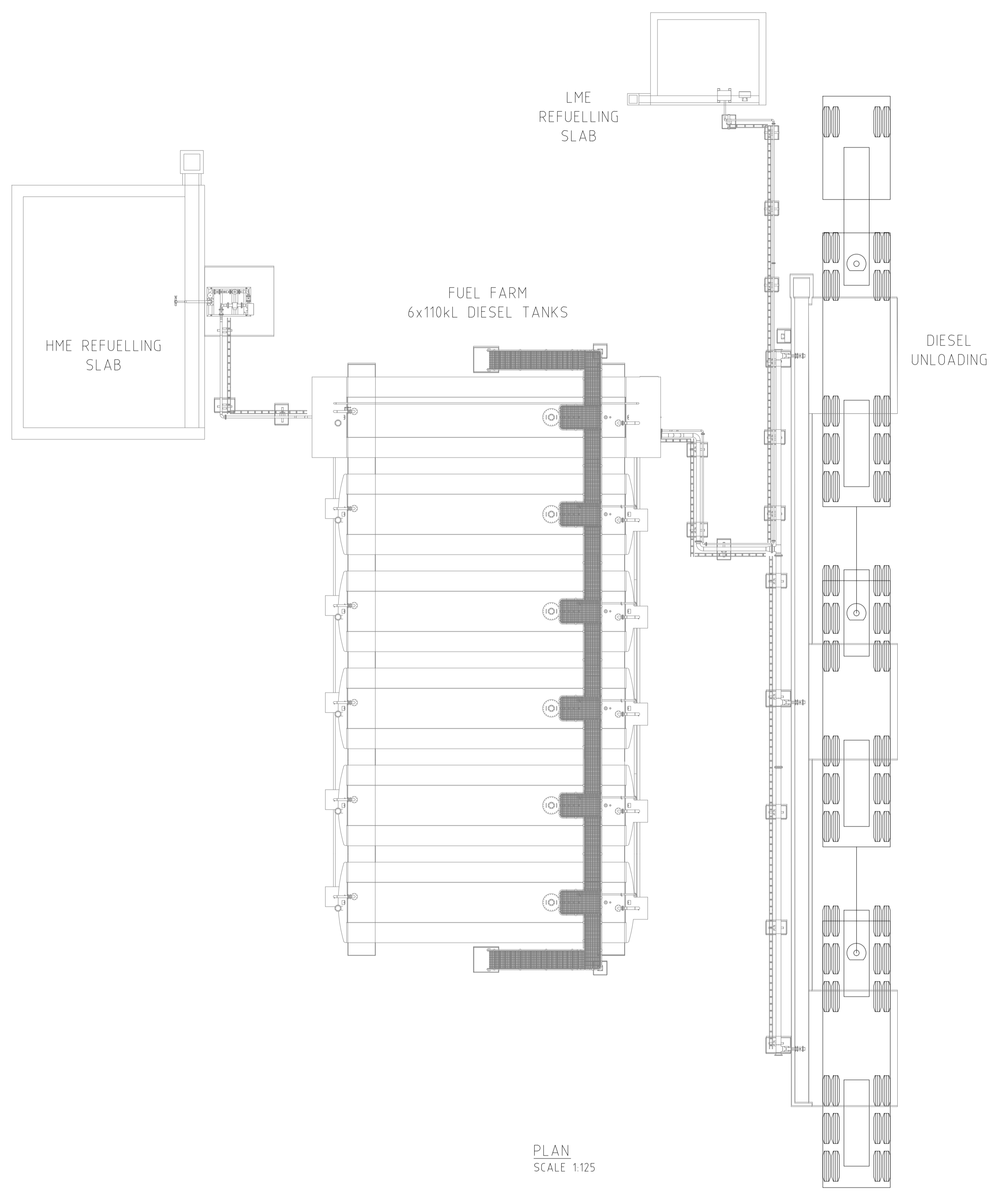
PERSPECTIVE
NTS



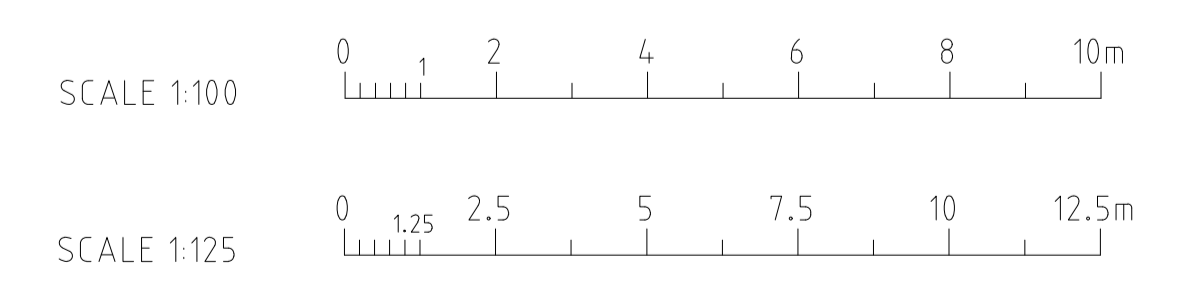
SIDE ELEVATION
SCALE 1:100



FRONT ELEVATION
SCALE 1:100



PLAN
SCALE 1:125



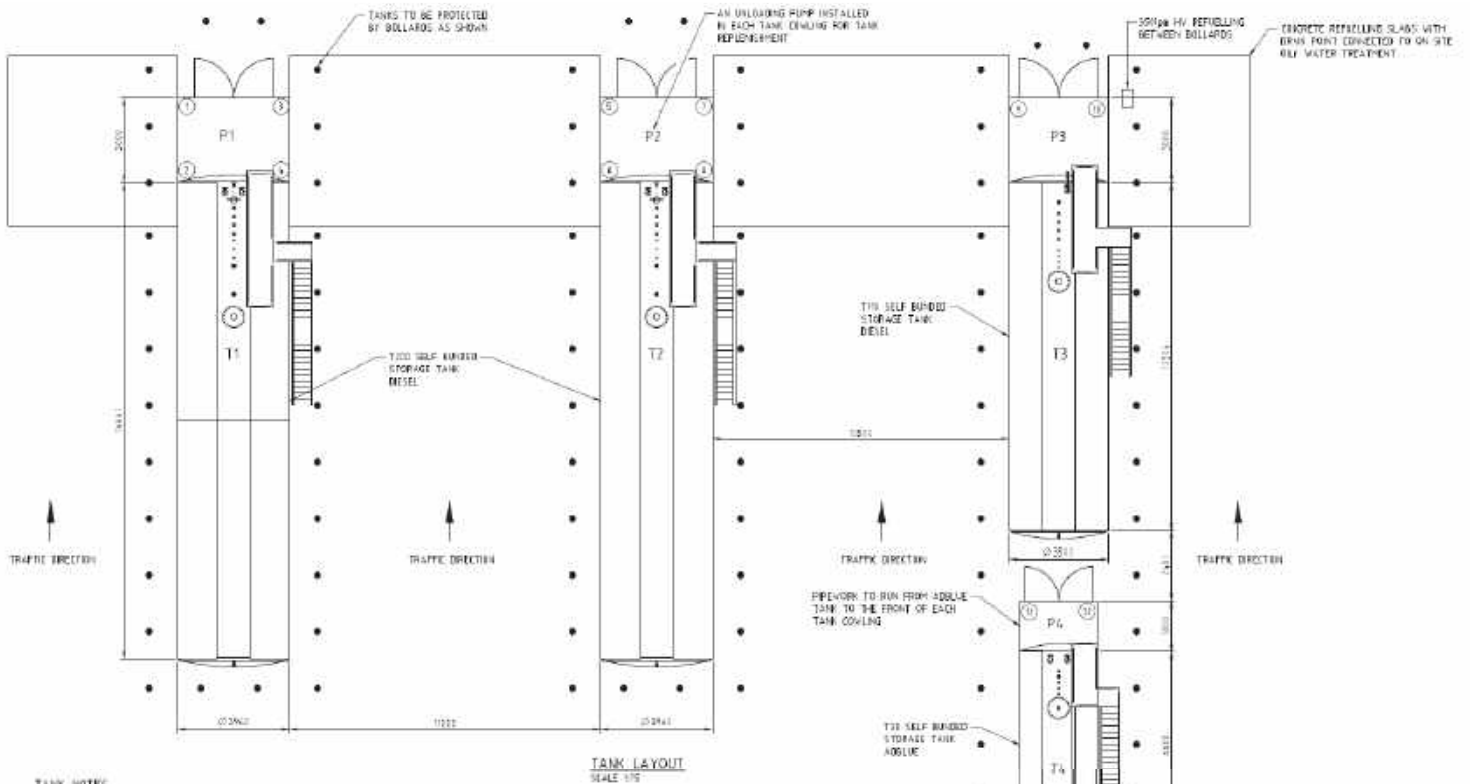
											5 Whitham Road Perth Airport WA 6105 PO Box Locked Bag No. 42 Welshpool DC WA 6872 © Copyright This drawing is the property of Roy Hill. It shall not be copied without permission.			SCALE DRAWN FR 14.06.23 CHECKED ENGINEER APPROVED		DATE 14.06.23		MULGA DOWN MINE FUEL FARM CONCEPTUAL LAYOUT			
A	01.11.24	ISSUE FOR TENDER		FR								DRG No	MDM-20000-ST-DRG-0003		REV	1	A1				
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE											

Schematics and tank fuel farm design and layout

Full scale diagrams supplied with our submission files

110kl Tank spec
 Length 15.58m long
 Diameter 3.644m
 Weight empty 20.5t

200kl Tank spec
 Length 20.12m
 Diameter 3.988m
 Weight empty 31t



TANK NOTES

TANK 1

- 4 x 15HP STP POSITIONS 1, 2, 3 & 4
- 1 x TANKER UNLOADING PUMP 805-177C-T233V
- 4 x HOSES AND HPM-NOZZLES
- 1 x 200L SELF BUNDED STORAGE TANK
- 4 REMOTE LITRE DISPLAY KIT, METERS SOLENOID VALVE
- TANK GAUGING MODULE x 1
- PROSES-FLOATING x 4
- RISES x 4
- 4 x BOWSERS

TANK 2

- 4 x 15HP STP POSITIONS 5, 6, 7 & 8
- 1 x TANKER UNLOADING PUMP 805-177C-T233V
- 4 x HOSES AND HPM-NOZZLES
- 1 x 200L SELF BUNDED STORAGE TANK
- 4 REMOTE LITRE DISPLAY KIT, METERS SOLENOID VALVE
- 4 x BOWSERS

TANK 3

- 2 x 15HP STP POSITIONS 9 & 10
- 1 x TANKER UNLOADING PUMP 805-177C-
- 2 x HOSES AND HPM-NOZZLES
- 1 x 100L SELF BUNDED STORAGE TANK
- 2 REMOTE LITRE DISPLAY KIT, METERS SOLENOID VALVE
- 2 x BOWSERS - COMPAC

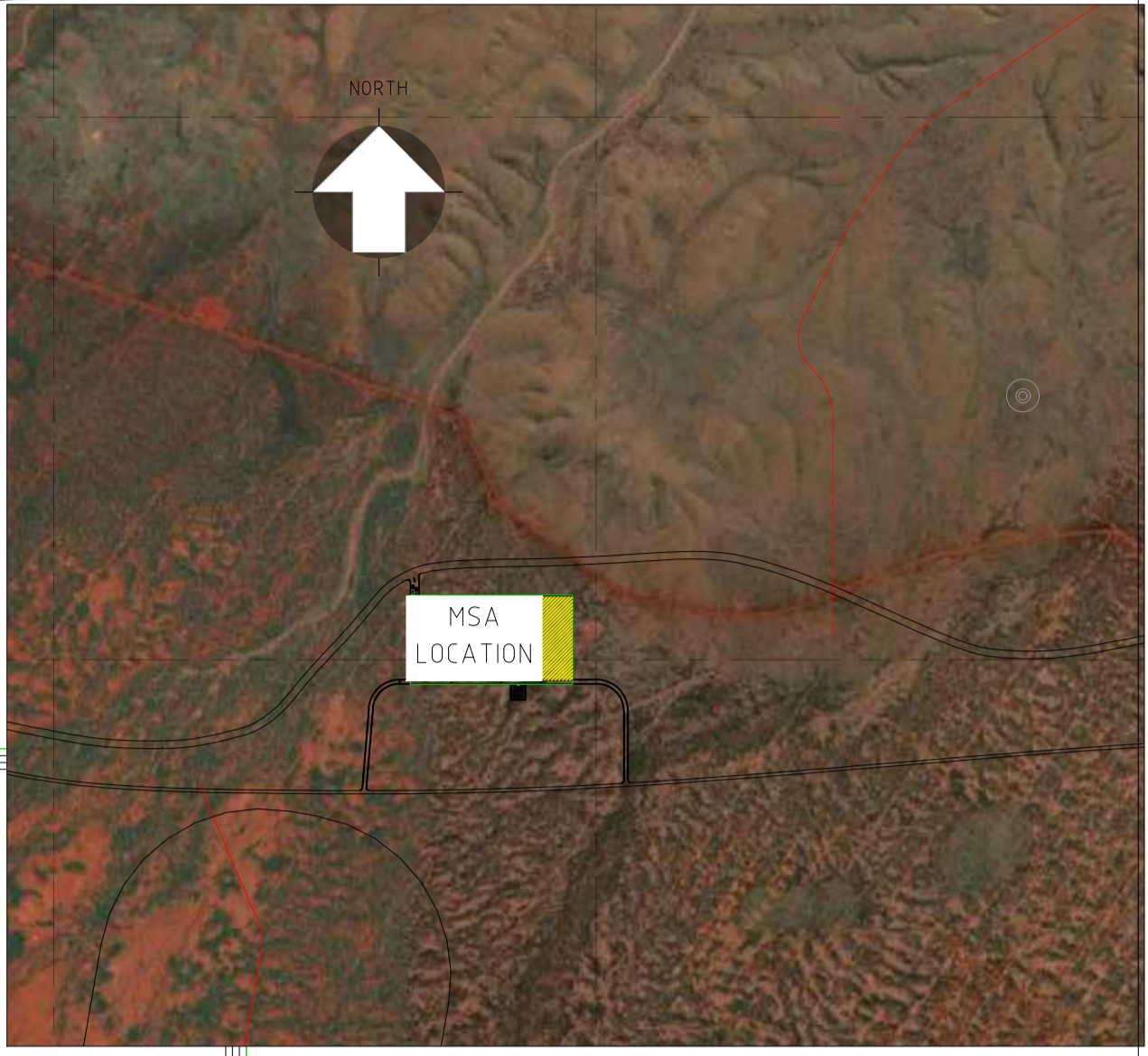
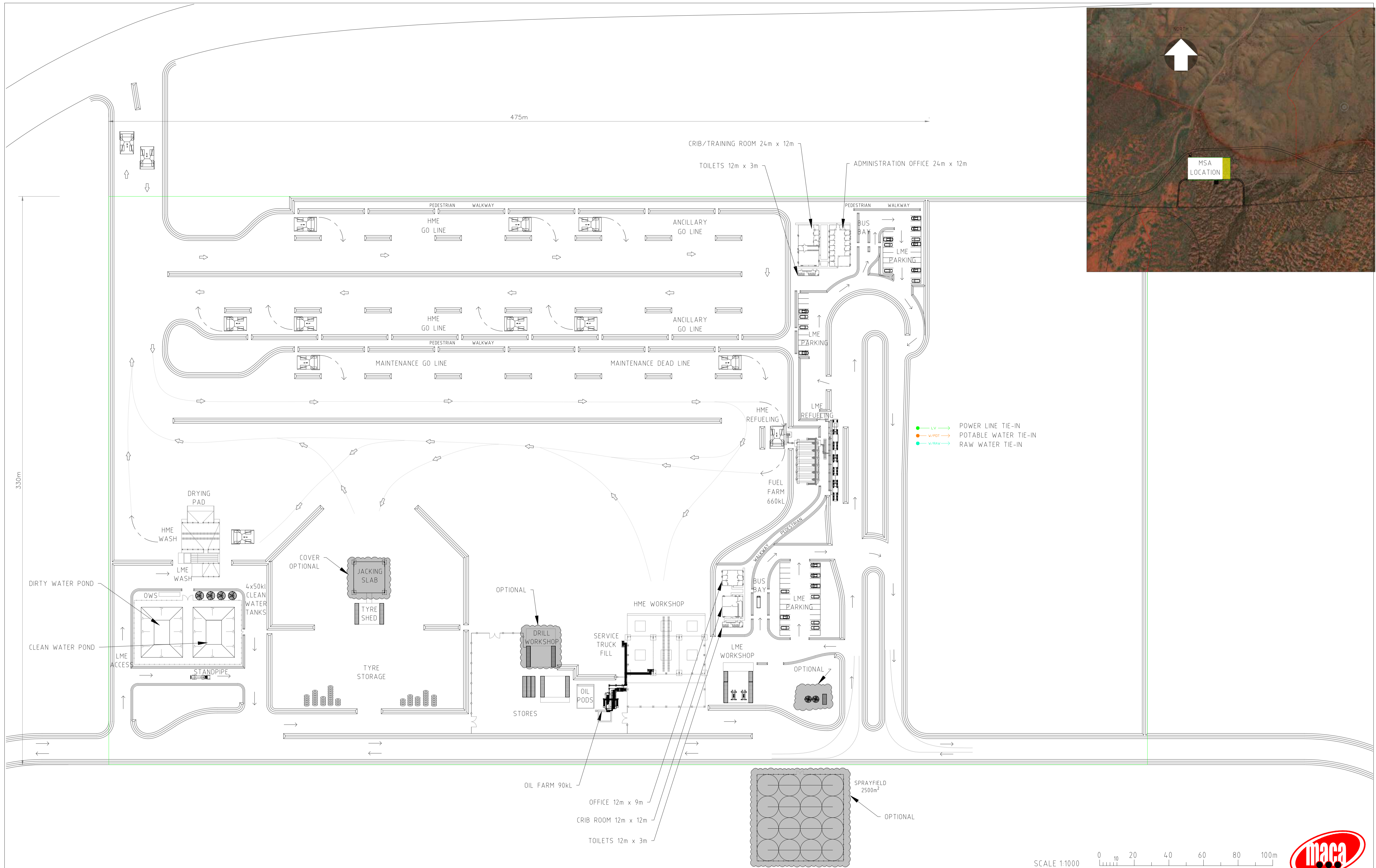
TANK 4 - DOUBLE

- 2 x 15HP STP STAINLESS STEEL POSITIONS 11 & 12
- 1 x TANKER UNLOADING PUMP 505P-4-55KW/3P WEC
- 4 x HOSES AND HPM-NOZZLES
- 1 x 35L SELF BUNDED STORAGE TANK
- 4 REMOTE LITRE DISPLAY KIT, METERS SOLENOID VALVE
- UNDERGROUND PIPEWORK
- 1 x 15HP STP STAINLESS STEEL SPARE

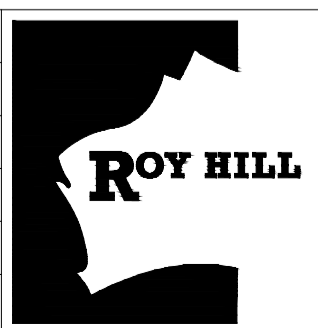
HEAVY VEHICLE REFUELLING - 1 MTR400 DISPENSER INCLUDING METER ETC
 50mm HOSE WITH BANLAW NOZZLE AND BANLAW SWIVEL

LOCATION OF ELECTRICAL CONTAINER TO BE FINALISED

HOSE No	TYPE	FLOW RATE - LITRE/MIN
1	HOSE AND NOZZLE	140
2	HOSE AND NOZZLE	140
3	HOSE AND NOZZLE	140
4	HOSE AND NOZZLE	140
5	HOSE AND NOZZLE	140
6	HOSE AND NOZZLE	140
7	HOSE AND NOZZLE	140
8	HOSE AND NOZZLE	140
9	HOSE AND NOZZLE	130/82 VIA H-Li SWITCH
10	HOSE AND NOZZLE	40



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
A	01.11.24	ISSUE FOR TENDER	FR							



5 Whitham Road
Perth Airport WA 6105
PO Box Locked Bag No. 42
Welshpool DC WA 6872

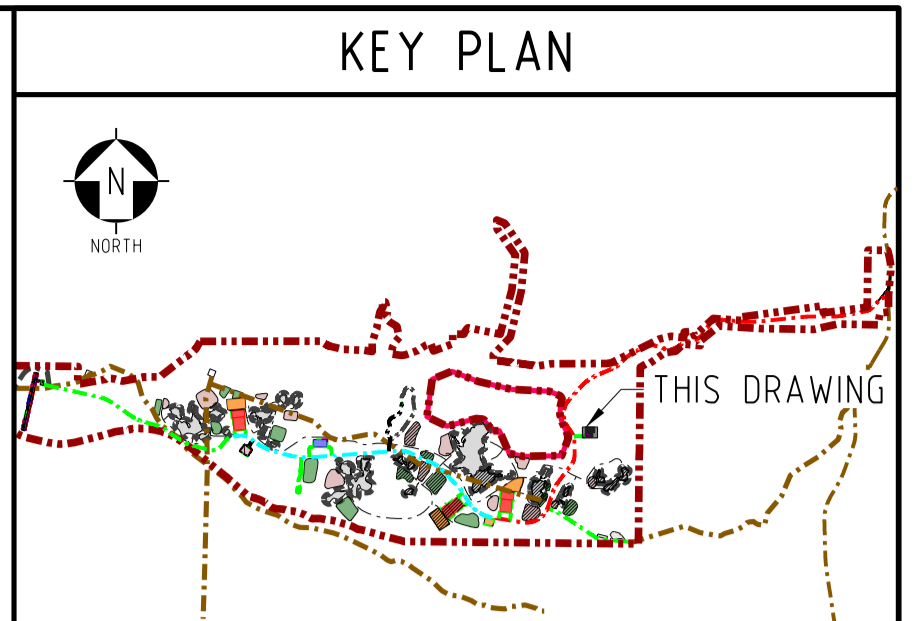
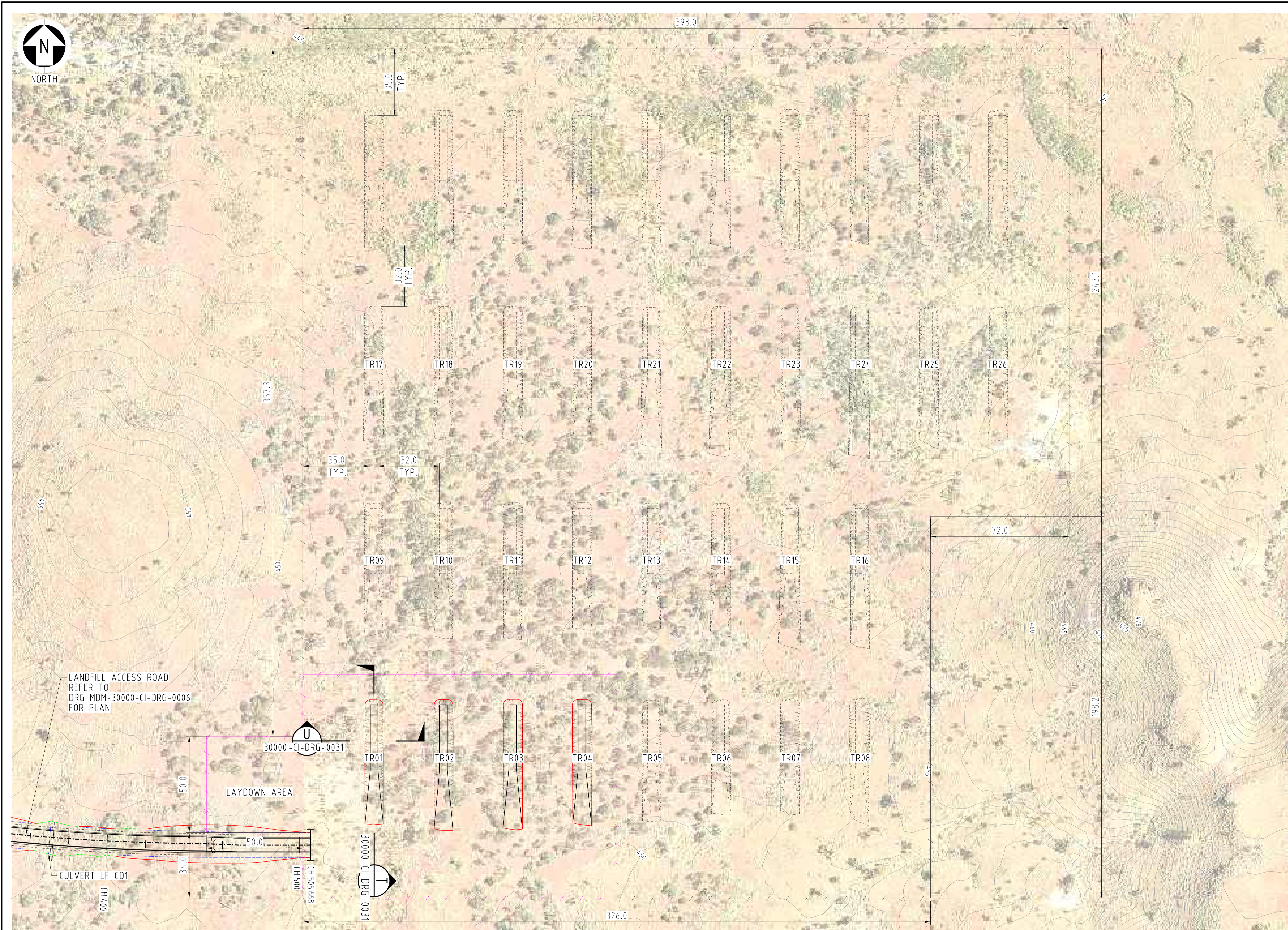
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SCALE	1:1000	DATE
DRAWN	FR	14.06.23
CHECKED		
ENGINEER		
APPROVED		

MULGA DOWN MINE
GENERAL ARRANGEMENT

DRG No MDM-20000-ST-DRG-0001

REV 1 A1

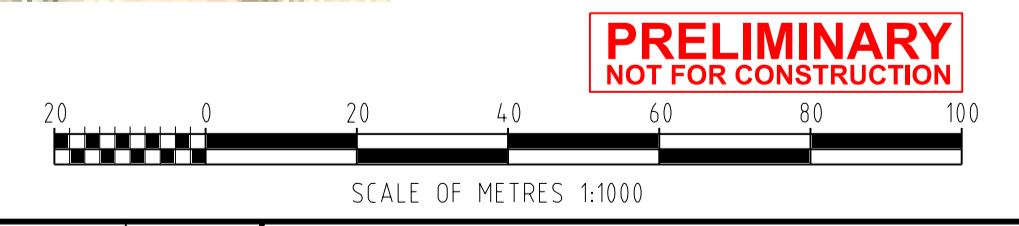


SURVEY	
COORDINATE REF SYSTEM	MGA 94 ZONE 50
HEIGHT DATUM	AHD

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES TO AHD
 - NOMINAL TRENCH VOLUME 1150M³

LEGEND	
	EXISTING CONTOURS (1m)
	LANDFILL FENCE
	FUTURE LANDFILL FENCE
	EARTHWORKS CUT
	LANDFILL TRENCH FOR CAPEX
	FUTURE LANDFILL TRENCH

LANDFILL PLAN
SCALE 1:1000



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						MDM-30000-CI-DRG-0043-0044	SCHEDULES - CULVERTS, DRAINS AND LEVEES			
						MDM-30000-CI-DRG-0031	LANDFILL - SECTIONS			
B	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0006	GENERAL ARRANGEMENT - PLAN - SHEET 4 OF 7		
A	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE		
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE

HAN ROY
HPP1 HOUSE
28-42 VENTNOR AVE.
WEST PERTH WA 6005
P.O. LOCKED BAG NO.2
WEST PERTH WA 6872

HANCOCK PROSPECTING

SCALE 1:1000 DATE 16.08.2024
DRAWN LC
CHECKED RH
ENGINEER AL
APPROVED AT

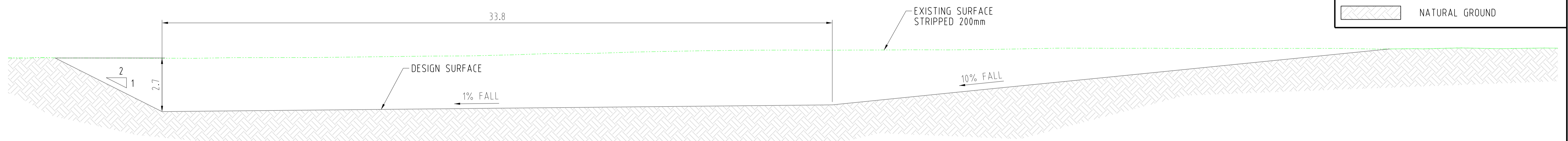
MULGA DOWNS MINE BULK EARTHWORKS AND ACCESS ROAD LANDFILL PLAN		REV B	A1
DRG No	MDM-30000-CI-DRG-0030		

NOTES

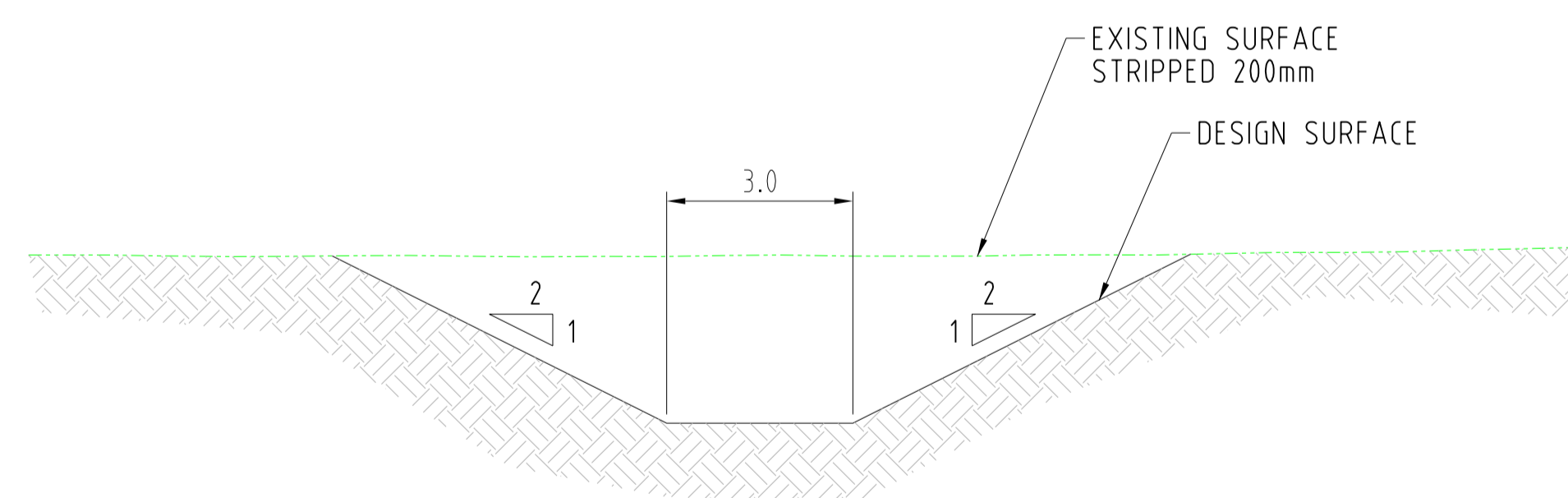
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2. ALL LEVELS ARE IN METRES TO AHD.
3. IF MINIMUM MINE WASTE THICKNESS 1m CANNOT BE ACHIEVED, HIGHER QUALITY FILL MATERIAL TO BE FULL DEPTH.

LEGEND

- DESIGN SURFACE
- - - EXISTING SURFACE
- █ GENERAL FILL
- █ SELECT FILL
- █ SELECT FILL (REFER NOTE 3)
- █ CAPPING (0.2m THICK)
- █ LOW GRADE ORE (0.3m THICK)
- █ MINE WASTE (MINIMUM 1m THICK REFER NOTE 3)
- █ NATURAL GROUND

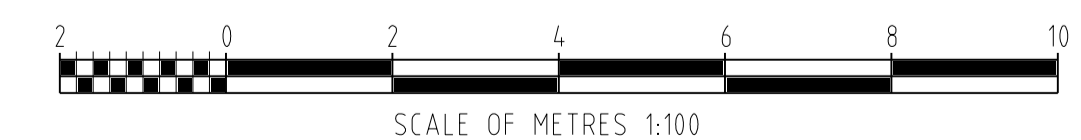


SECTION T
1:100 30000-CI-DRG-0030



SECTION U
1:100 30000-CI-DRG-0030

PRELIMINARY
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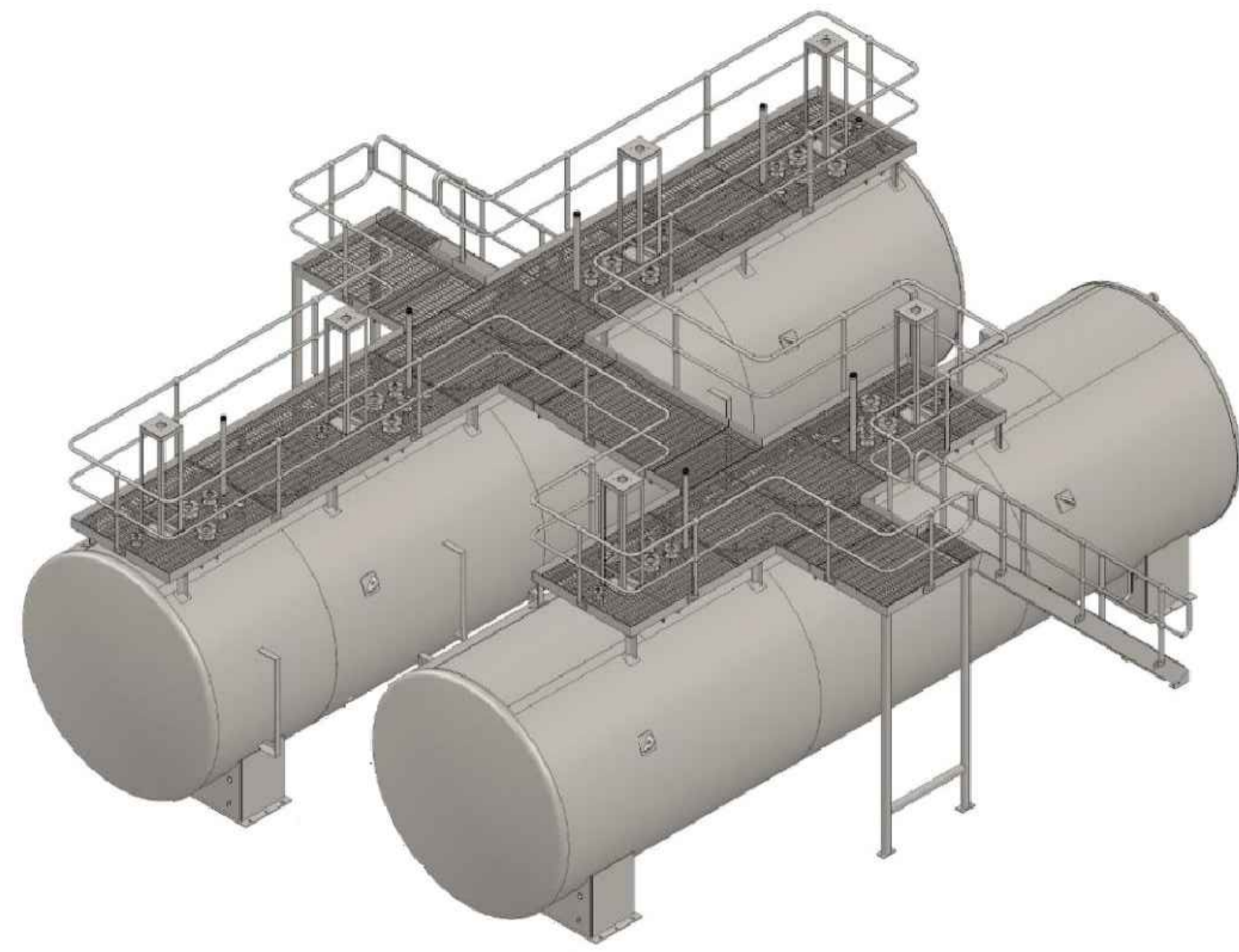


SCALE OF METRES 1:100

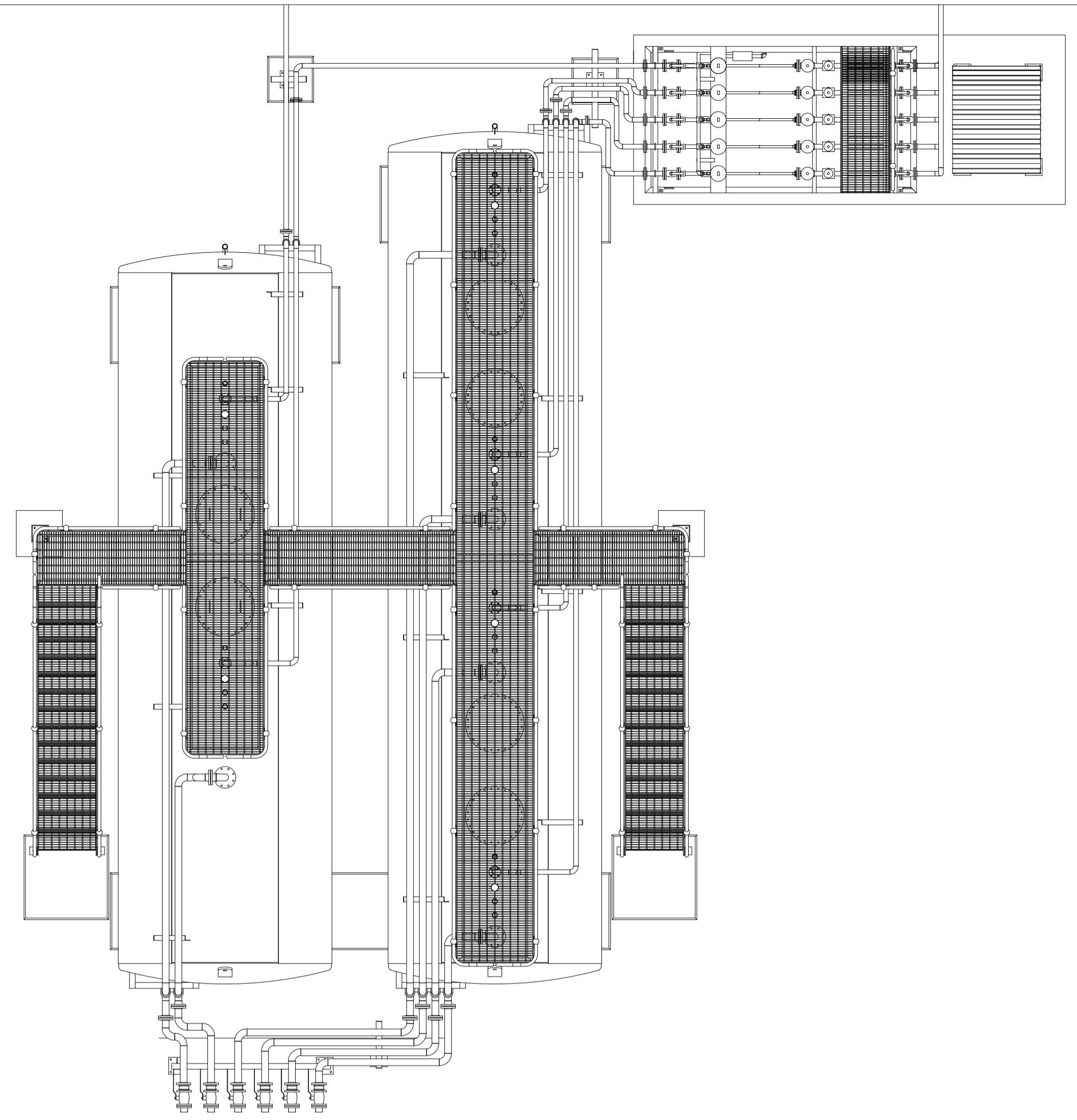


RP23251

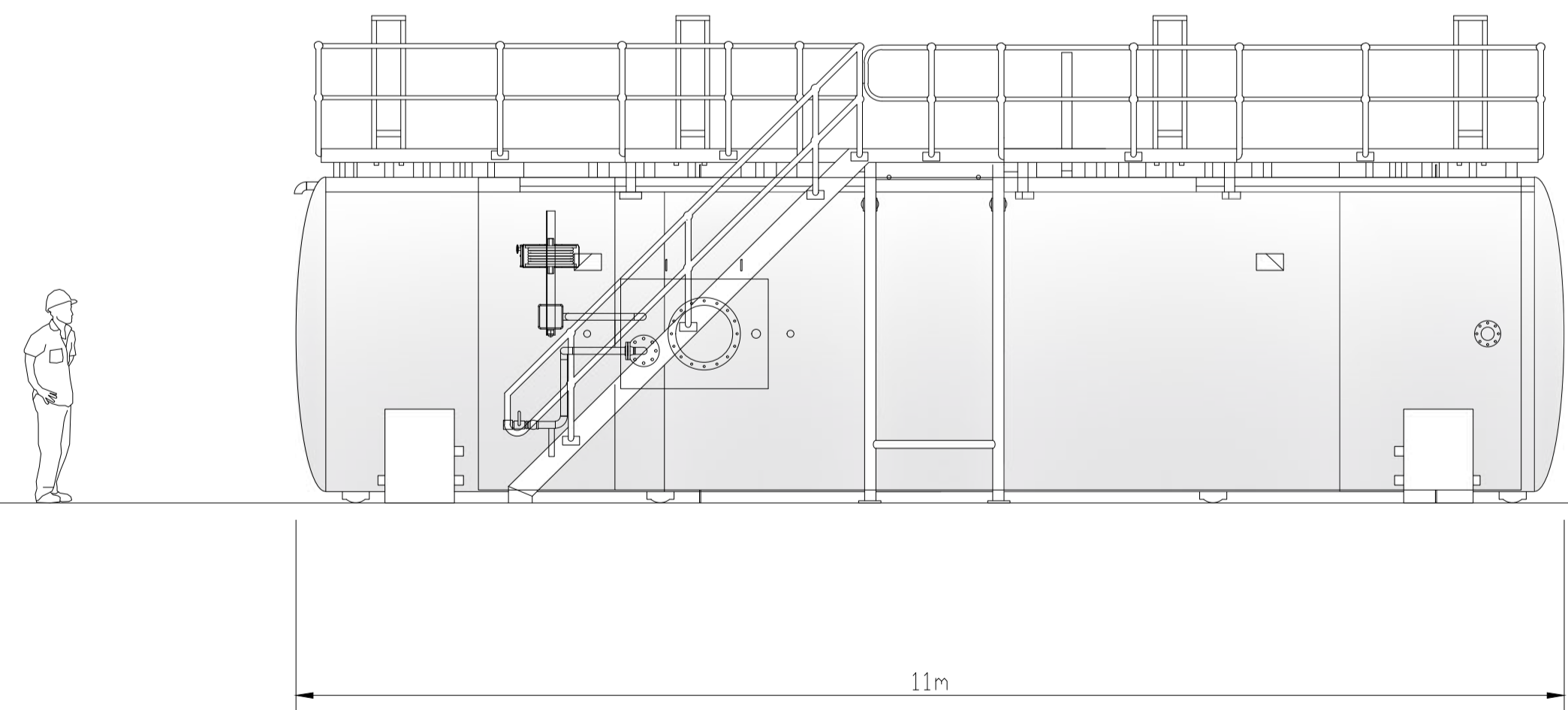
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							MDM-30000-CI-DRG-0030	LANDFILL - PLAN			<small>HPPI HOUSE 20-42 VENTNOR AVE, WEST PERTH WA 6005 P.O. LOCKED BAG NO.2 WEST PERTH WA 6872</small> <small>©COPYRIGHT THIS DRAWING IS THE PROPERTY OF HANCOCK IT SHALL NOT BE COPIED WITHOUT PERMISSION.</small>				MDM-30000-CI-DRG-0031						
B	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0006	GENERAL ARRANGEMENT - PLAN - SHEET 4 OF 7				DRAWN	LC	16.08.2024							
A	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE				CHECKED	RH								
											ENGINEER	AL									
											APPROVED	AT									



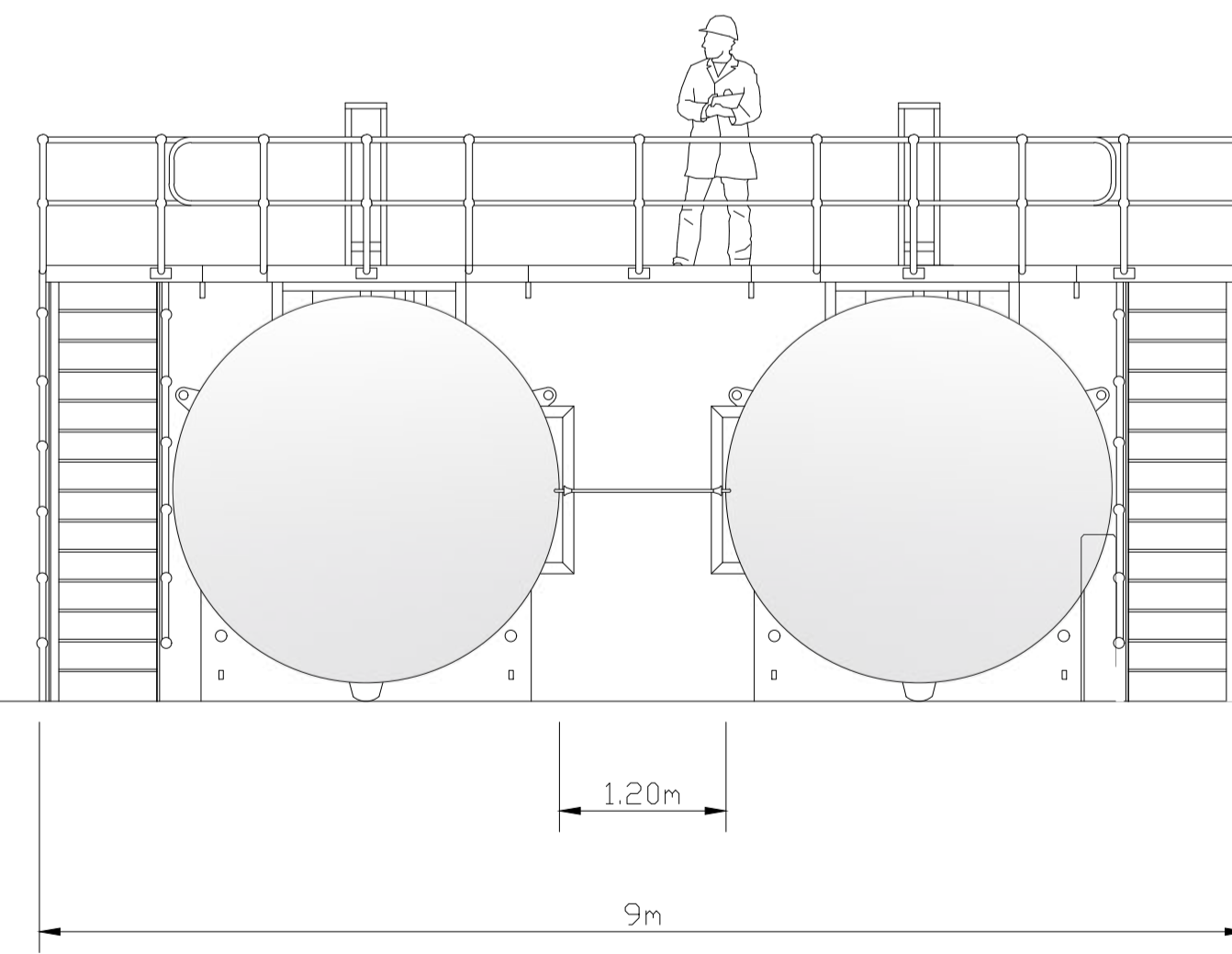
PERSPECTIVE
NTS



PLAN
SCALE 1:50



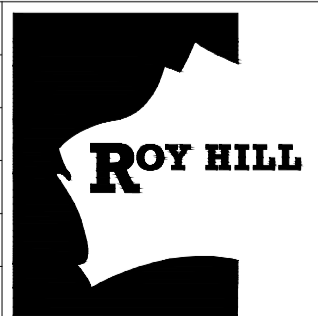
SIDE ELEVATION
SCALE 1:50



REAR ELEVATION
SCALE 1:50



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
A	01.11.24	ISSUE FOR TENDER	FR							



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SCALE	1:50	DATE	
DRAWN	FR	14.06.23	
CHECKED			
ENGINEER			
APPROVED			
Legacy Drawing No.			

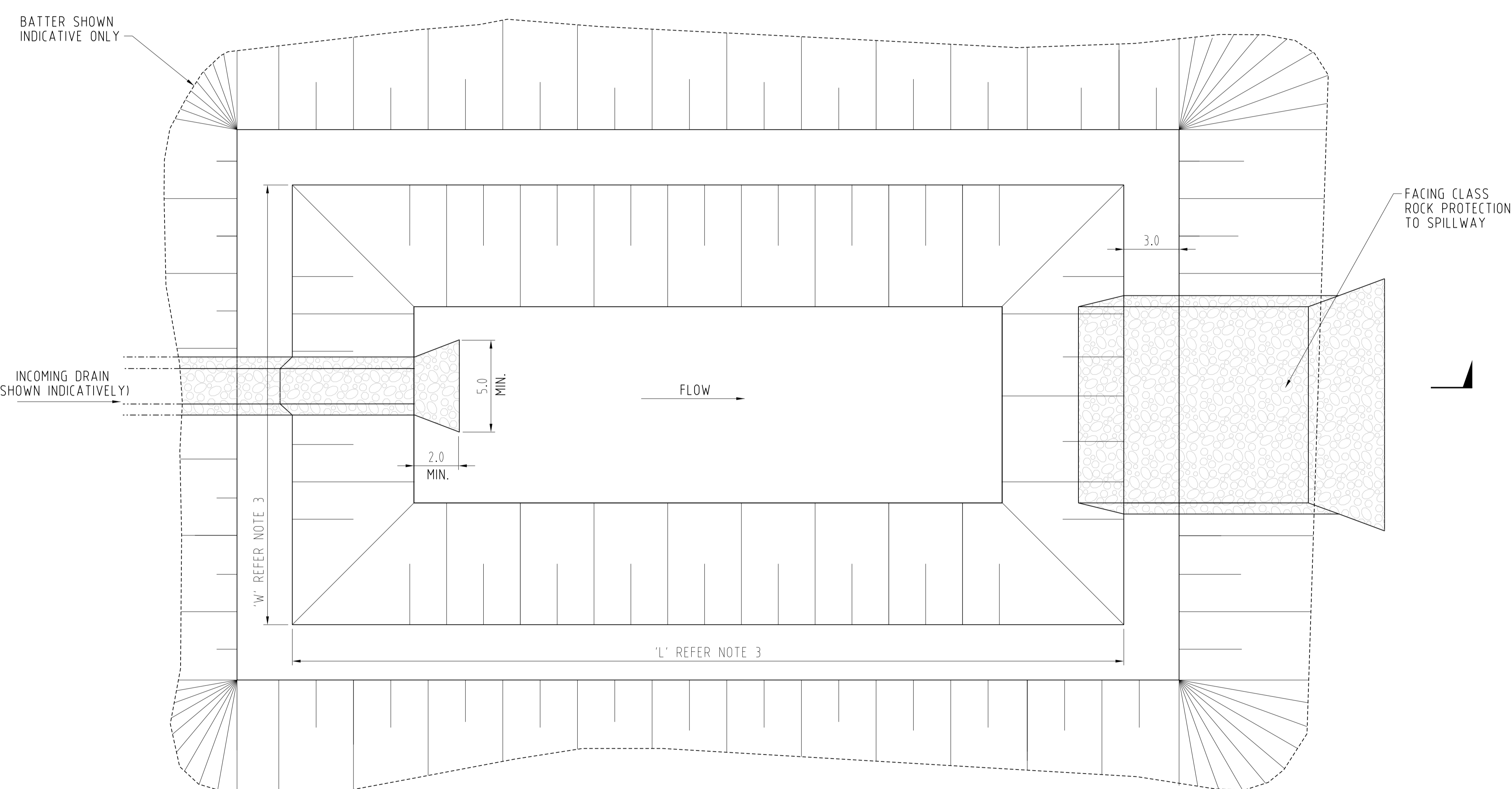
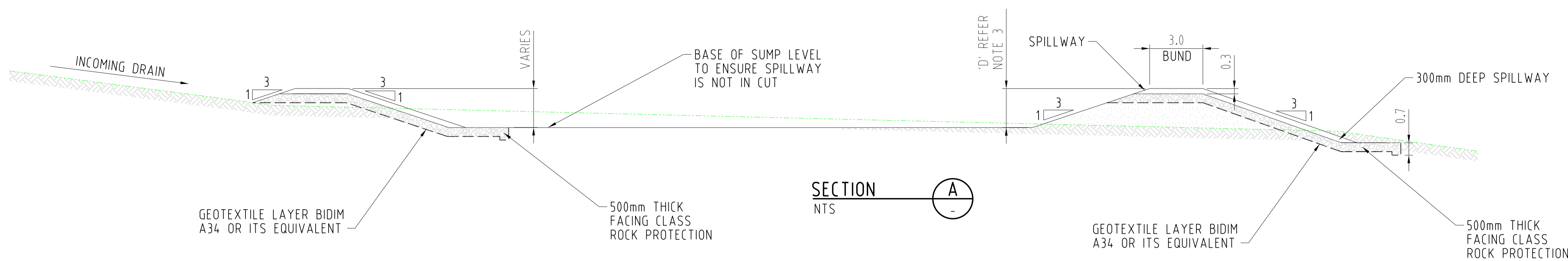
MULGA DOWN MINE	
LUBE FARM CONCEPTUAL LAYOUT	
DRG No	MDM-20000-ST-DRG-0004
REV	1
A1	

NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO AHD.
3. REFER TO SEDIMENTATION POND SCHEDULE ON DRAWING MDM-30000-CI-DRG-0011 FOR DIMENSIONS.

LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	EMBANKMENT FILL
	NATURAL GROUND
	FACING CLASS ROCK PROTECTION

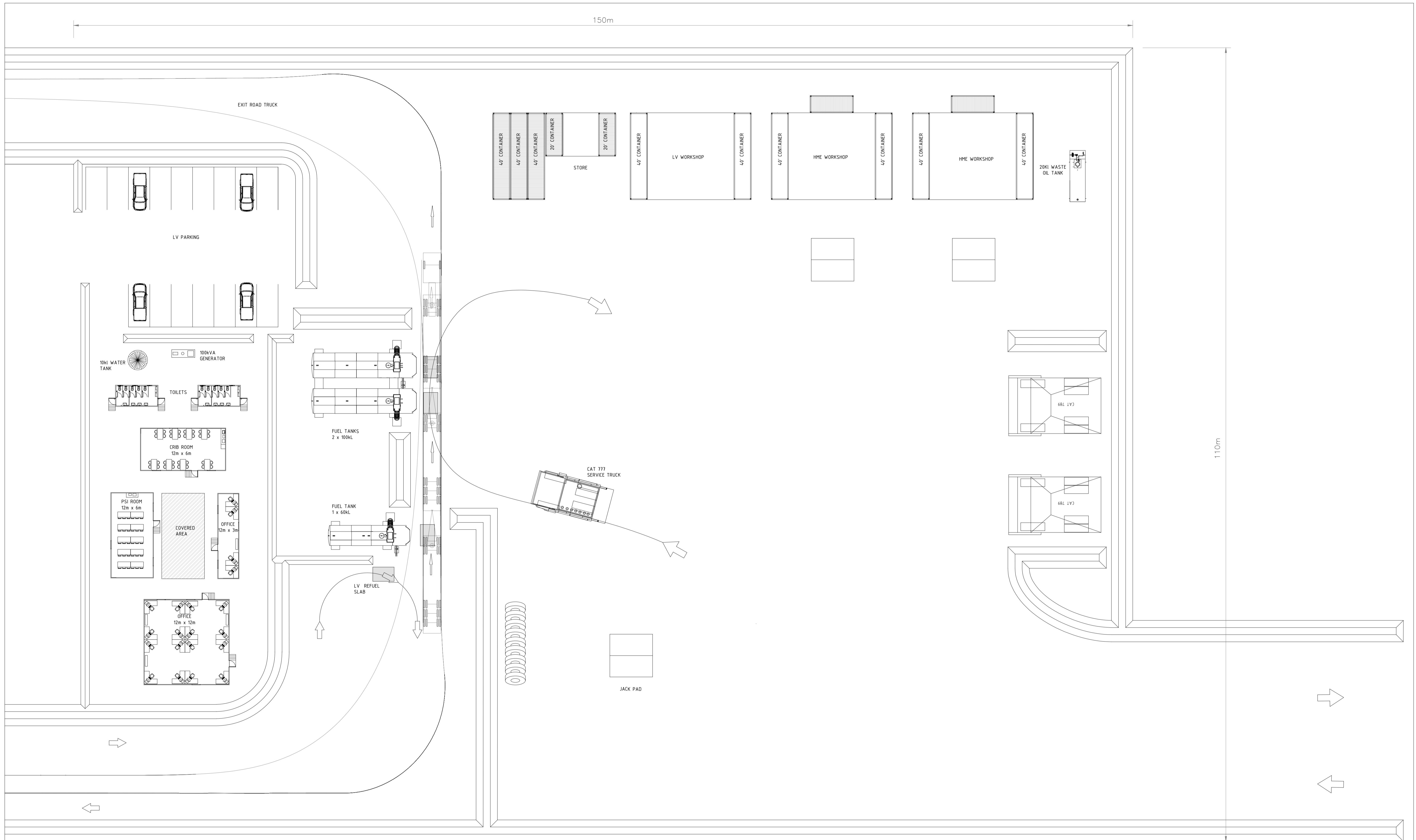


PLAN - SEDIMENTATION POND
SCALE: NTS

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							<p>HANCOCK PROSPECTING</p> <p>HPPL HOUSE 20-42 VENTNOR AVE. WEST PERTH WA 6005 P.O. LOCKED BAG NO.2 WEST PERTH WA 6872</p> <p>©COPYRIGHT THIS DRAWING IS THE PROPERTY OF HANROY. IT SHALL NOT BE COPIED WITHOUT PERMISSION.</p>		SCALE	AS SHOWN	DATE	MULGA DOWNS MINE BULK EARTHWORKS AND ACCESS ROAD SEDIMENTATION PONDS PLAN - SHEET 1 OF 1		
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV			REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No			
A	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0011	SEDIMENTATION PONDS - SCHEDULE			04.12.2024			
							MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE						



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
A	29.10.24	ISSUE FOR TENDER	FR							



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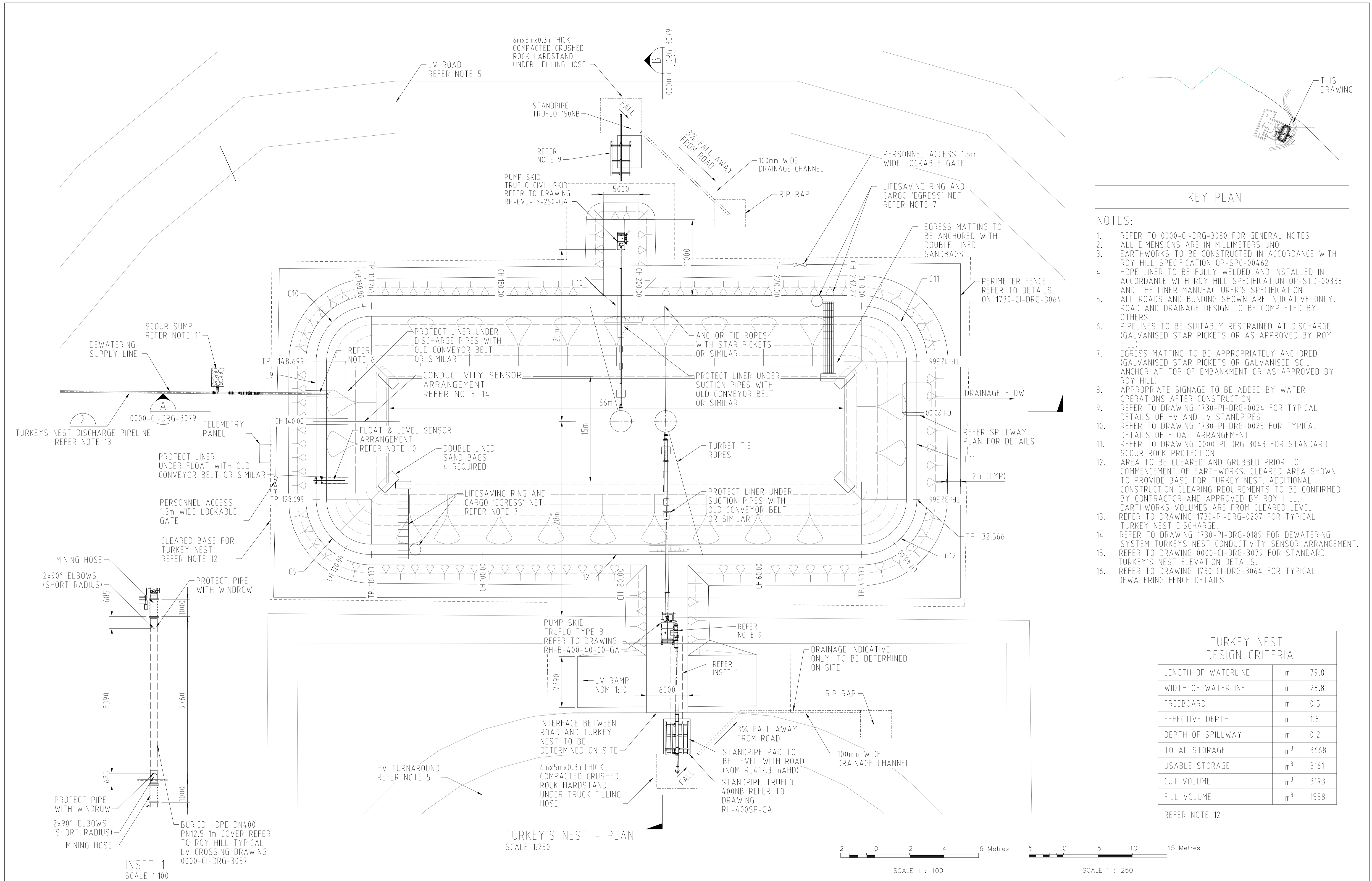
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SCALE	1:250	DATE	
DRAWN	FR	21.10.24	
CHECKED			
ENGINEER			
APPROVED			

MULGA DOWN MINE
TEMPORARY FACILITIES
GENERAL LAYOUT

DRG No MDM-20000-ST-DRG-0018

REV 1 A1



KEY PLAN

- NOTES:**
- REFER TO 0000-CI-DRG-3080 FOR GENERAL NOTES
 - ALL DIMENSIONS ARE IN MILLIMETERS UNO
 - EARTHWORKS TO BE CONSTRUCTED IN ACCORDANCE WITH ROY HILL SPECIFICATION OP-SPC-00462
 - HDPE LINER TO BE FULLY WELDED AND INSTALLED IN ACCORDANCE WITH ROY HILL SPECIFICATION OP-STD-00338 AND THE LINER MANUFACTURER'S SPECIFICATION
 - ALL ROADS AND BUNDING SHOWN ARE INDICATIVE ONLY. ROAD AND DRAINAGE DESIGN TO BE COMPLETED BY OTHERS
 - PIPELINES TO BE SUITABLY RESTRAINED AT DISCHARGE (GALVANISED STAR PICKETS OR AS APPROVED BY ROY HILL)
 - EGRESS MATTING TO BE APPROPRIATELY ANCHORED (GALVANISED STAR PICKETS OR GALVANISED SOIL ANCHOR AT TOP OF EMBANKMENT OR AS APPROVED BY ROY HILL)
 - APPROPRIATE SIGNAGE TO BE ADDED BY WATER OPERATIONS AFTER CONSTRUCTION
 - REFER TO DRAWING 1730-PI-DRG-0024 FOR TYPICAL DETAILS OF HV AND LV STANDPIPES
 - REFER TO DRAWING 1730-PI-DRG-0025 FOR TYPICAL DETAILS OF FLOAT ARRANGEMENT
 - REFER TO DRAWING 0000-PI-DRG-3043 FOR STANDARD SCOUR ROCK PROTECTION
 - AREA TO BE CLEARED AND GRUBBED PRIOR TO COMMENCEMENT OF EARTHWORKS. CLEARED AREA SHOWN TO PROVIDE BASE FOR TURKEY NEST. ADDITIONAL CONSTRUCTION CLEARING REQUIREMENTS TO BE CONFIRMED BY CONTRACTOR AND APPROVED BY ROY HILL. EARTHWORKS VOLUMES ARE FROM CLEARED LEVEL
 - REFER TO DRAWING 1730-PI-DRG-0207 FOR TYPICAL TURKEY NEST DISCHARGE
 - REFER TO DRAWING 1730-PI-DRG-0189 FOR DEWATERING SYSTEM TURKEY'S NEST CONDUCTIVITY SENSOR ARRANGEMENT. REFER TO DRAWING 0000-CI-DRG-3079 FOR STANDARD TURKEY'S NEST ELEVATION DETAILS.
 - REFER TO DRAWING 1730-PI-DRG-3064 FOR TYPICAL DEWATERING FENCE DETAILS

TURKEY NEST DESIGN CRITERIA			
LENGTH OF WATERLINE	m	79.8	
WIDTH OF WATERLINE	m	28.8	
FREEBOARD	m	0.5	
EFFECTIVE DEPTH	m	1.8	
DEPTH OF SPILLWAY	m	0.2	
TOTAL STORAGE	m ³	3668	
USABLE STORAGE	m ³	3161	
CUT VOLUME	m ³	3193	
FILL VOLUME	m ³	1558	

REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
4	11/04/24	RE-ISSUED AS STANDARD TURKEY'S NEST SITE PLAN	DF	DO	LP	KSC	1730-PI-DRG-0189	CONDUCTIVITY SENSOR ARRANGEMENT		
3	12/02/24	DRAWING REPLAED BY 1730-CI-DRG-2867	DF	DO	RF	CN	1730-PI-DRG-0207	TYPICAL TURKEY'S NEST DISCHARGE PIPELINE		
2	12/10/21	RENUMBERED TO 0000-CI-DRG-3039	DO	GJS	RF	SW	1730-PI-DRG-0025	FLOAT ARRANGEMENT TYPICAL		
1	01/12/17	RE-ISSUED FOR USE	GJS	CN	CN	SW	1730-PI-DRG-0024	HV/LV STANDPIPE TYPICAL	1730-CI-DRG-3064	TYPICAL FENCE DETAILS
0	02/02/16	ISSUED FOR USE	CNC	CN	CN	-	0000-CI-DRG-3080	GENERAL NOTES	0000-CI-DRG-3079	STANDARD TURKEY'S NEST ELEVATION DETAILS

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SCALE AS NOTED DATE

DRAWN CNC 09/07/15

CHECKED CN 09/07/15

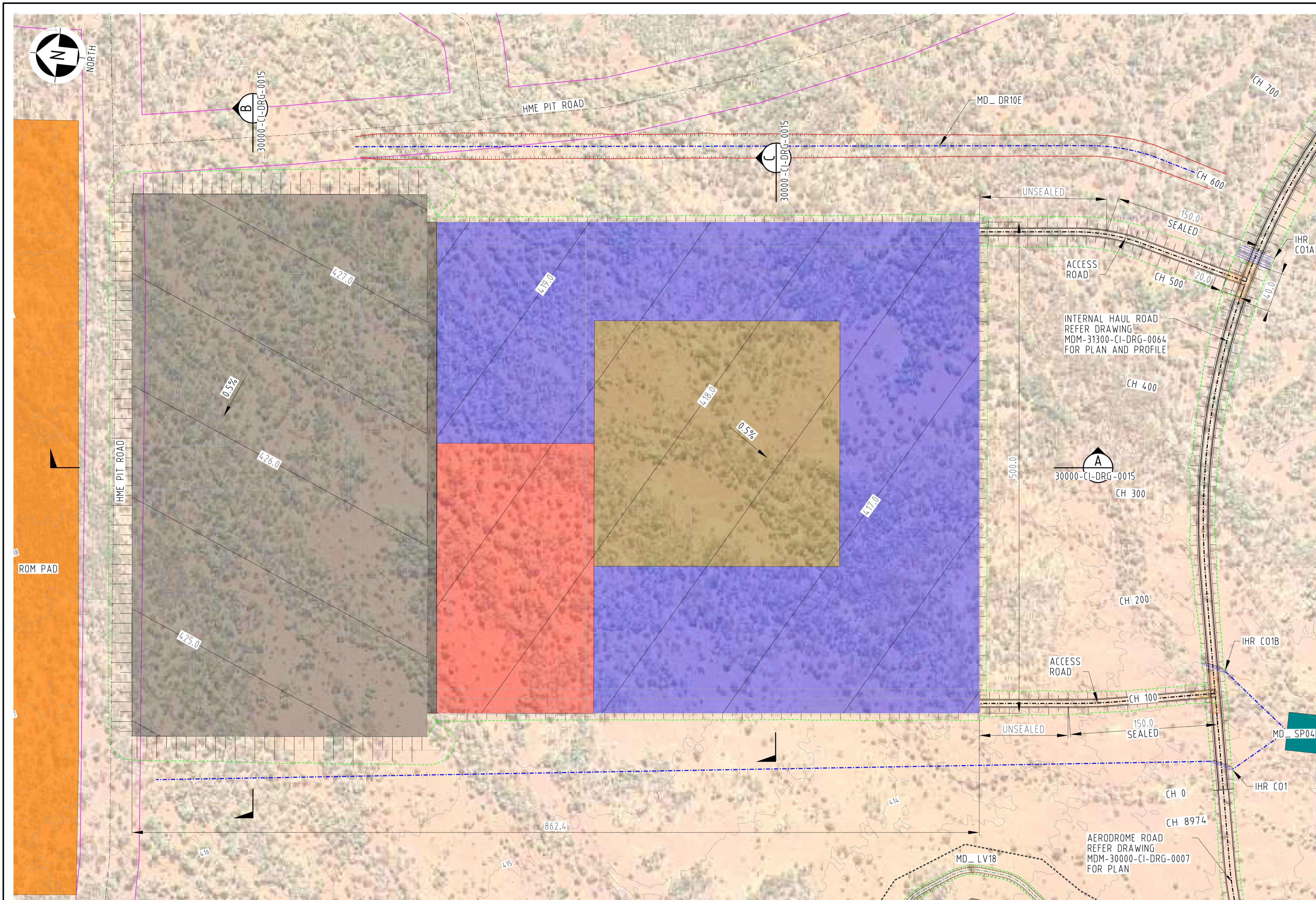
ENGINEER CN 09/07/15

APPROVED SW 09/07/15

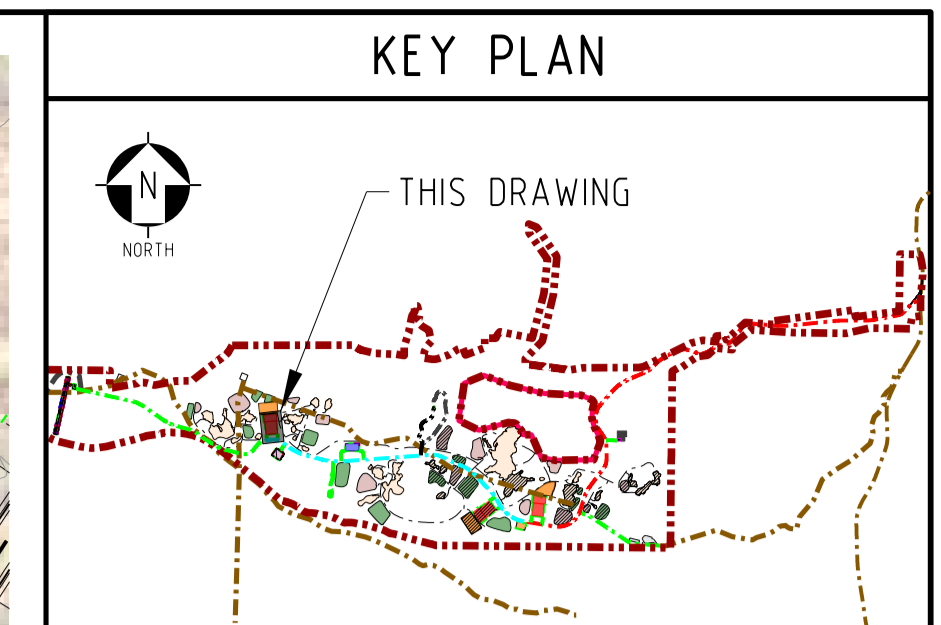
Legacy Drawing No 0100-CI-00011

ROY HILL IRON ORE PROJECT
RAW WATER SYSTEMS
STANDARD TURKEY'S NEST
PLAN

DRG No 0000-CI-DRG-3039 REV 4 A1



WESTERN CRUSHER PAD
SCALE 1:2000

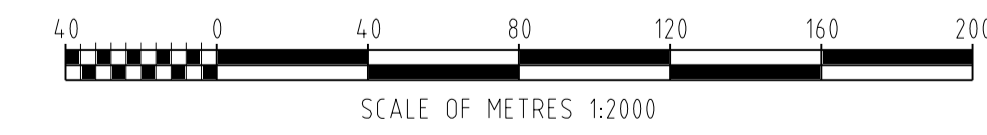


SURVEY	
COORDINATE REF SYSTEM	MGA 94 ZONE 50
HEIGHT DATUM	AHD

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES TO AHD.

LEGEND

	EXISTING CONTOURS (0.5m INTERVALS)
	DESIGN CONTOURS (0.5m INTERVALS)
	EARTHWORKS CUT
	EARTHWORKS FILL
	EXISTING ACCESS ROADS
	PROPOSED HAUL ROAD ALIGNMENT
	DRAIN MD_DR
	CULVERT
	LEVEE MD_LV
	INTERNAL HME PIT ROADS
	ASPHALT
	PIT SHELL AND BUFFER
	WASTE DUMP AND BUFFER
	TOP SOIL DUMP AND BUFFER
	SEDIMENTATION PONDS MD_SP
	HERITAGE CONSTRAINTS
	ENVIRONMENTAL CONSTRAINTS
	GENERAL FILL WITH 0.2m CAPPING
	GENERAL FILL WITHOUT CAPPING
	SELECT FILL WITH 0.2m CAPPING
	SELECT FILL WITHOUT CAPPING
	MINE WASTE WITH 0.2m CAPPING
	MINE WASTE WITHOUT CAPPING
	MINE WASTE WITH 0.3m LOW GRADE ORE CAPPING



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REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE	SCALE	DATE	DRG No	REV	A1
							MDM-30000-CI-DRG-0015	WESTERN CRUSHER PAD - SECTIONS			1:2000	16.08.2024	MDM-30000-CI-DRG-0014	C	A1
							MDM-30000-CI-DRG-0011	SEDIMENTATION PONDS - SCHEDULE							
C	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0007	GENERAL ARRANGEMENT - PLAN - SHEET 5 OF 7							
B	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0004	GENERAL ARRANGEMENT - PLAN - SHEET 2 OF 7	MDM-31300-CI-DRG-0064	INTERNAL HAUL ROAD - PLAN AND PROFILE - SHEET 1 OF 11					
A	16.08.24	ISSUED FOR 5% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE	MDM-30000-CI-DRG-0043-0045	SCHEDULES - CULVERTS, DRAINS AND LEVEES					



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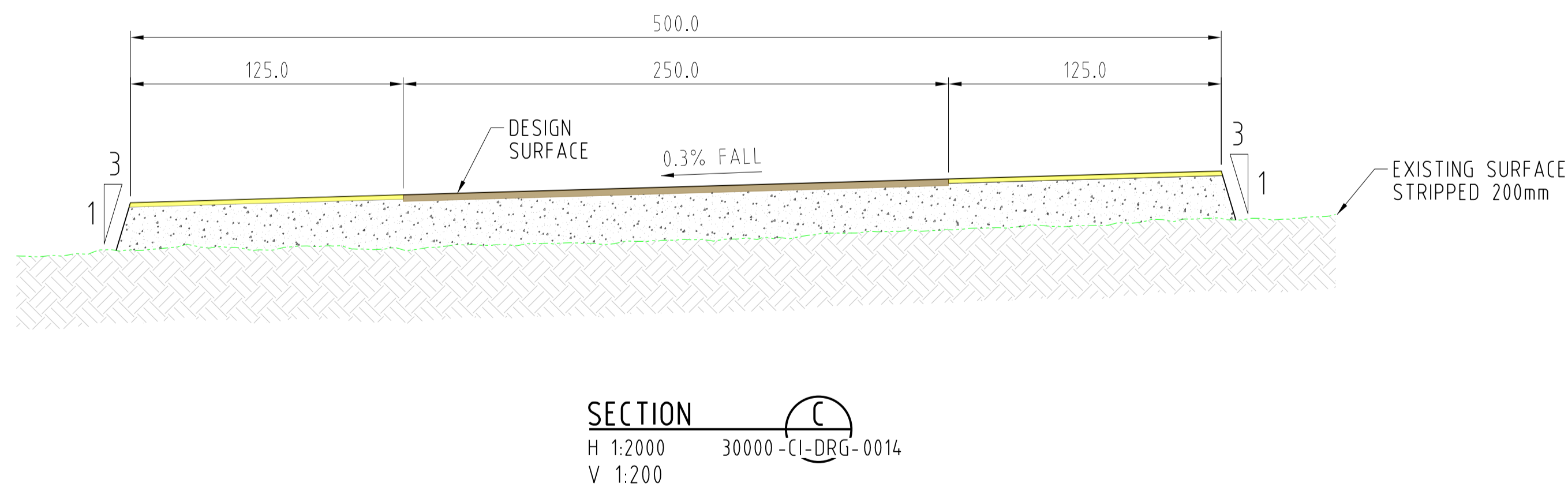
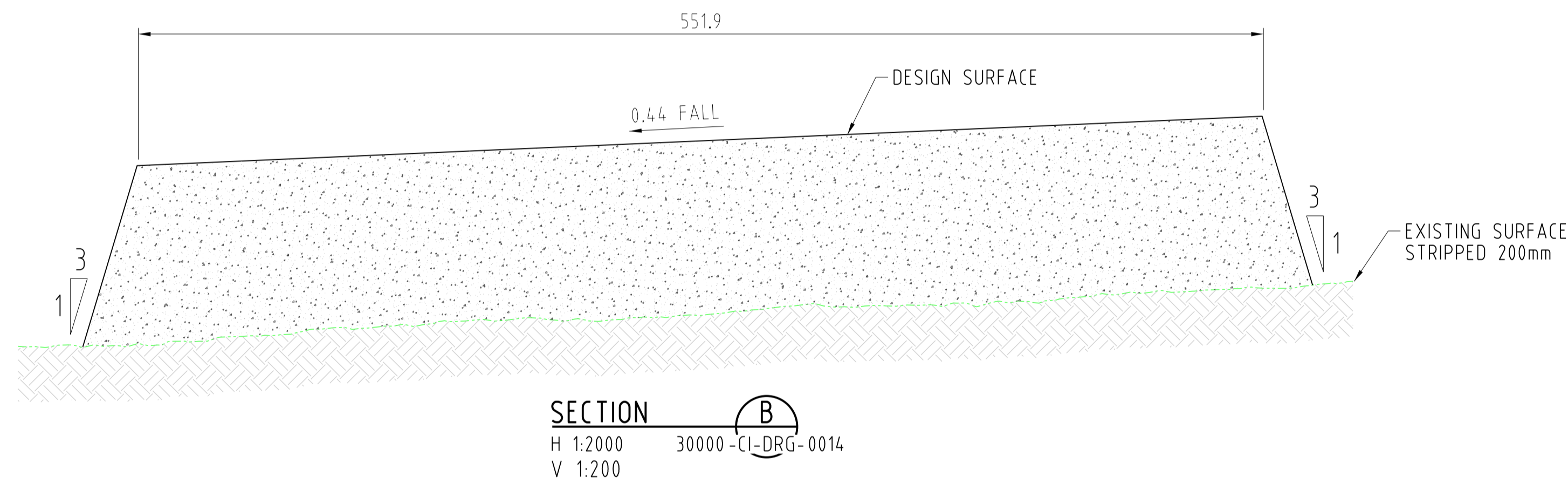
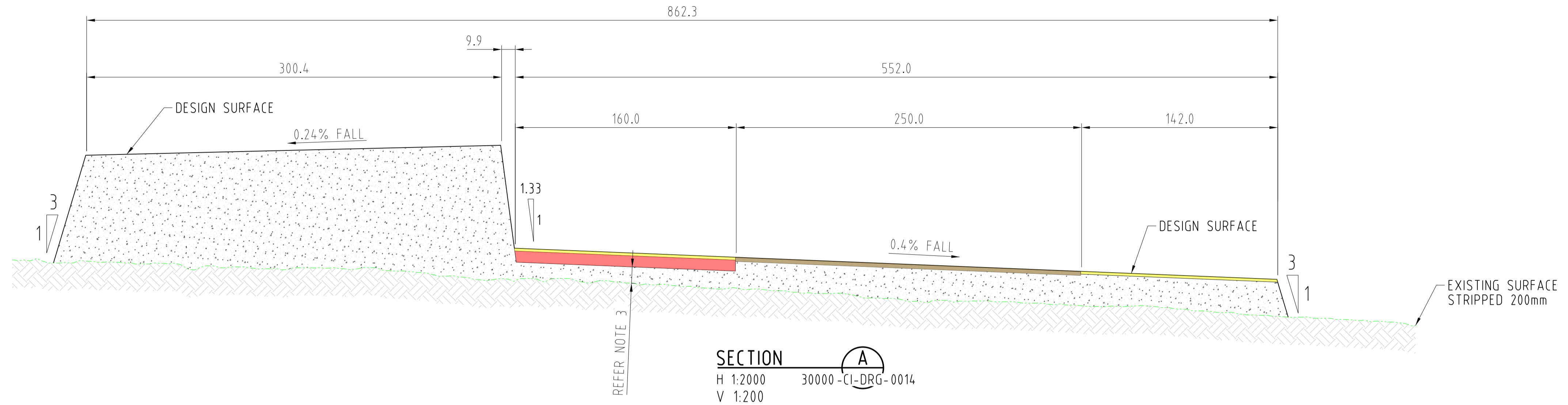
MULGA DOWNS MINE
BULK EARTHWORKS AND ACCESS ROAD
WESTERN CRUSHER PAD
PLAN
MDM-30000-CI-DRG-0014

NOTES

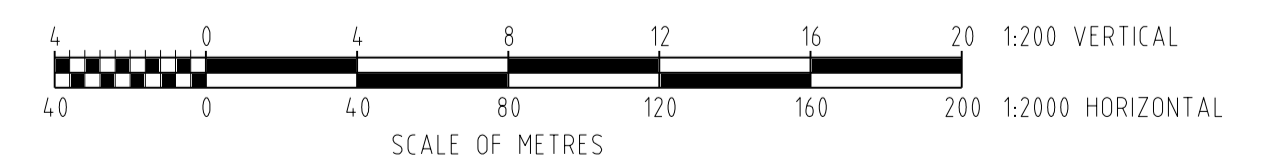
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE IN METRES TO AHD.
3. IF MINIMUM MINE WASTE THICKNESS 1m CANNOT BE ACHIEVED, HIGHER QUALITY FILL MATERIAL TO BE FULL DEPTH.

LEGEND

	DESIGN SURFACE
	EXISTING SURFACE
	GENERAL FILL
	SELECT FILL
	SELECT FILL (REFER NOTE 3)
	CAPPING (0.2m THICK)
	LOW GRADE ORE (0.3m THICK)
	MINE WASTE (MINIMUM 1m THICK REFER NOTE 3)
	NATURAL GROUND



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REV	DATE	REVISION DESCRIPTION	DRAWN	CHECK	ENGINEER	APPRV	REF DRAWING No	REFERENCE DRAWING TITLE	REF DRAWING No	REFERENCE DRAWING TITLE
B	03.02.25	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0004	WESTERN CRUSHER PAD - PLAN		
							MDM-30000-CI-DRG-0004	GENERAL ARRANGEMENT - PLAN - SHEET 2 OF 7		
A	16.10.24	ISSUED FOR 30% REVIEW	LC	RH	AL	AT	MDM-30000-CI-DRG-0001	LOCALITY PLAN - COVER PAGE		

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HANCOCK PROSPECTING

SCALE	AS SHOWN	DATE
DRAWN	LC	16.08.2024
CHECKED	RH	
ENGINEER	AL	
APPROVED	AT	

DRG No: MDM-30000-CI-DRG-0015

MULGA DOWNS MINE
BULK EARTHWORKS AND ACCESS ROAD
WESTERN CRUSHER PAD
SECTIONS

DRG No: MDM-30000-CI-DRG-0015

REV: B A1