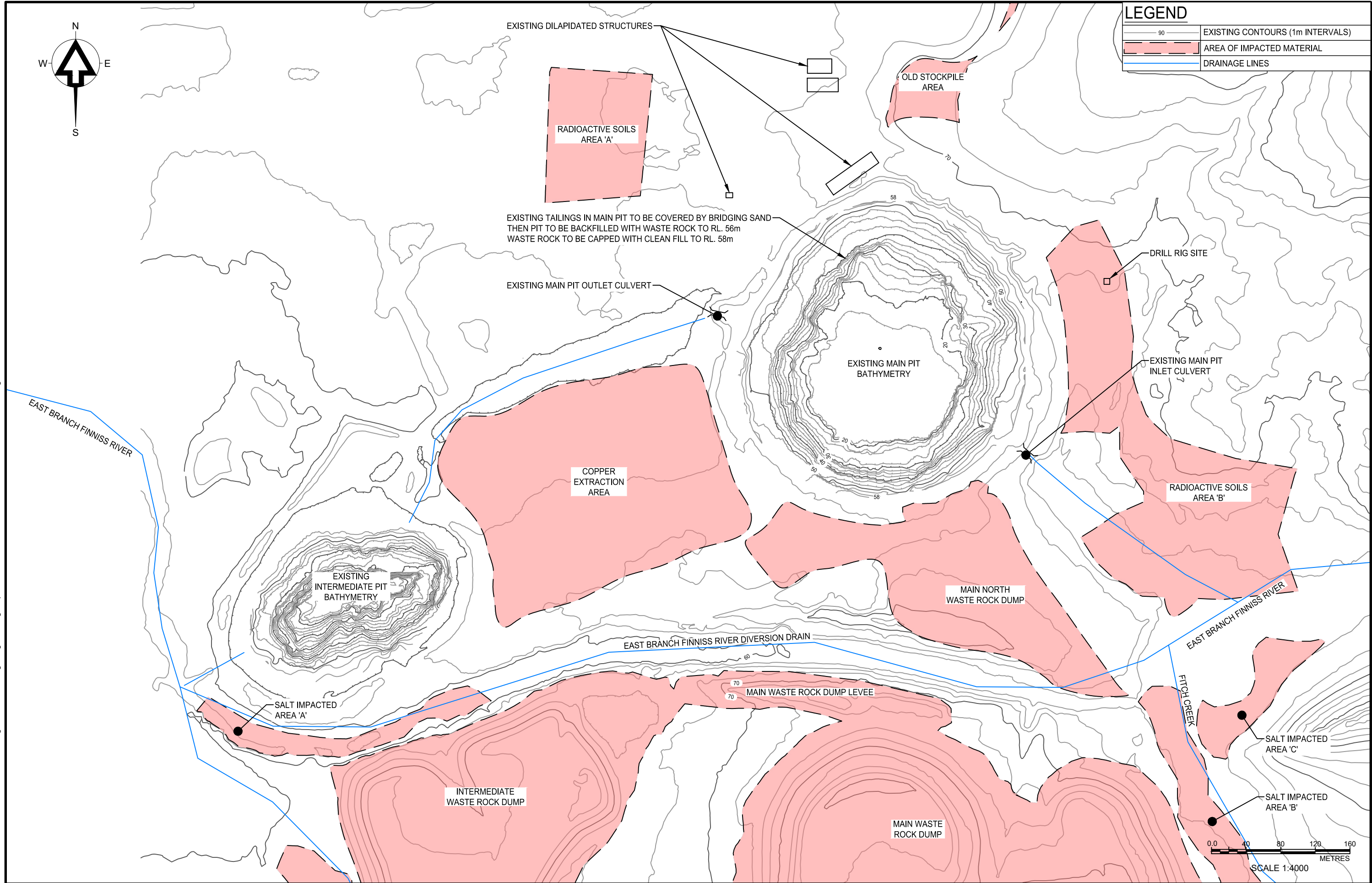


Appendix 25.

SLR Consulting Australia (2020p) *Main Pit Design Drawings*.
Issued to the Department of Primary Industry and Resources,
Northern Territory.

PLOTTED ON: 12Jun/2020 10:41 AM
USER: JORDAN MUGFORD
FILE LOCATION: H:\Projects-SLR\620-BNE\680-DRW\680.10421 - Rum Jungle\CAD\JM-Working\Design Drawings\Implementation Issue - week 08062020\680.10421-MPS-SERIES.dwg



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



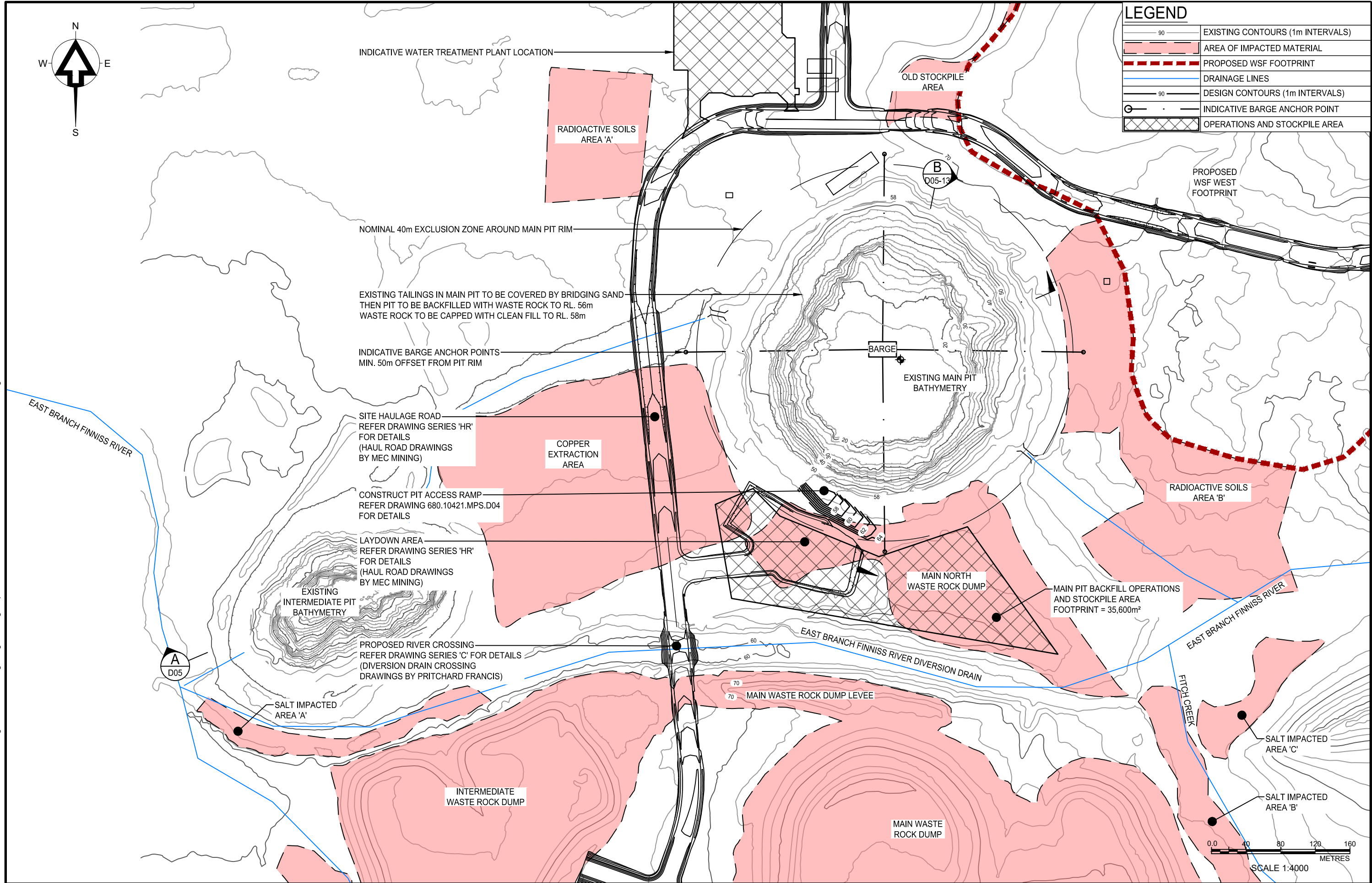
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DRAWN J Mugford DATE: 12/06/2020	CHECKED D OToole/B Tarrant DATE: 12/06/2020
DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

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RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN					
EXISTING MAIN PIT SITE CONDITIONS					
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 01 OF 16	NTG DRAWING No. 680.10421.MPS.D01	AMENDMENT 1	SHEET SIZE A3

PLOTTED ON: 12/06/2020 10:41 AM
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1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
AMENDMENTS		Plot Date: 12/06/2020		



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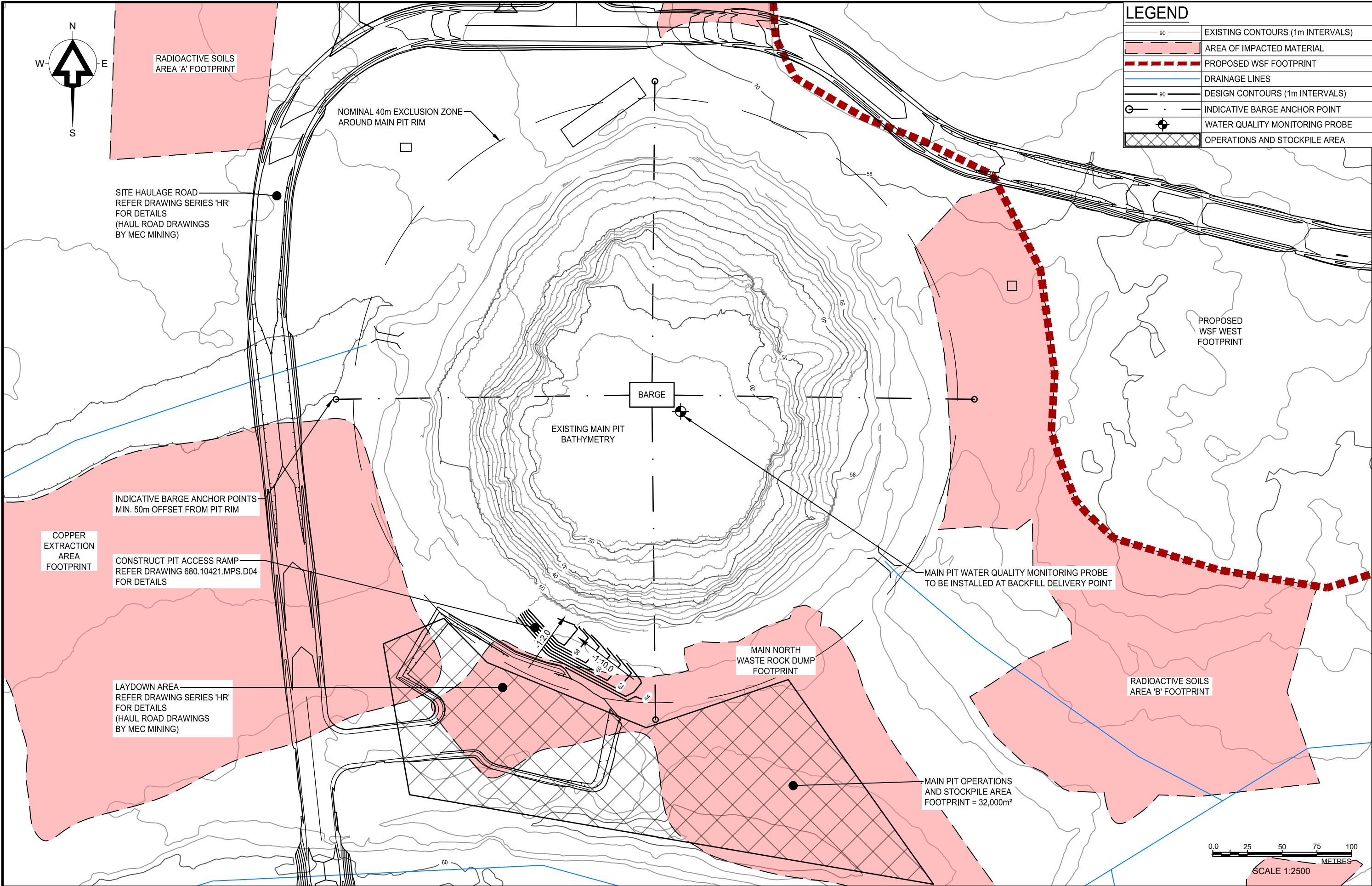
DRAWN J Mugford DATE: 12/06/2020	CHECKED D OToole/B Tarrant DATE: 12/06/2020
DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



**Northern Territory
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RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
MAIN PIT REHABILITATION PLAN				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
N/A	N/A	02 OF 16	680.10421.MPS.D02	1
			SHEET SIZE	A3

PLOTTED ON: 12Jun/2020 10:41 AM
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LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	PROPOSED WSF FOOTPRINT
	DRAINAGE LINES
	DESIGN CONTOURS (1m INTERVALS)
	INDICATIVE BARGE ANCHOR POINT
	WATER QUALITY MONITORING PROBE
	OPERATIONS AND STOCKPILE AREA

No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



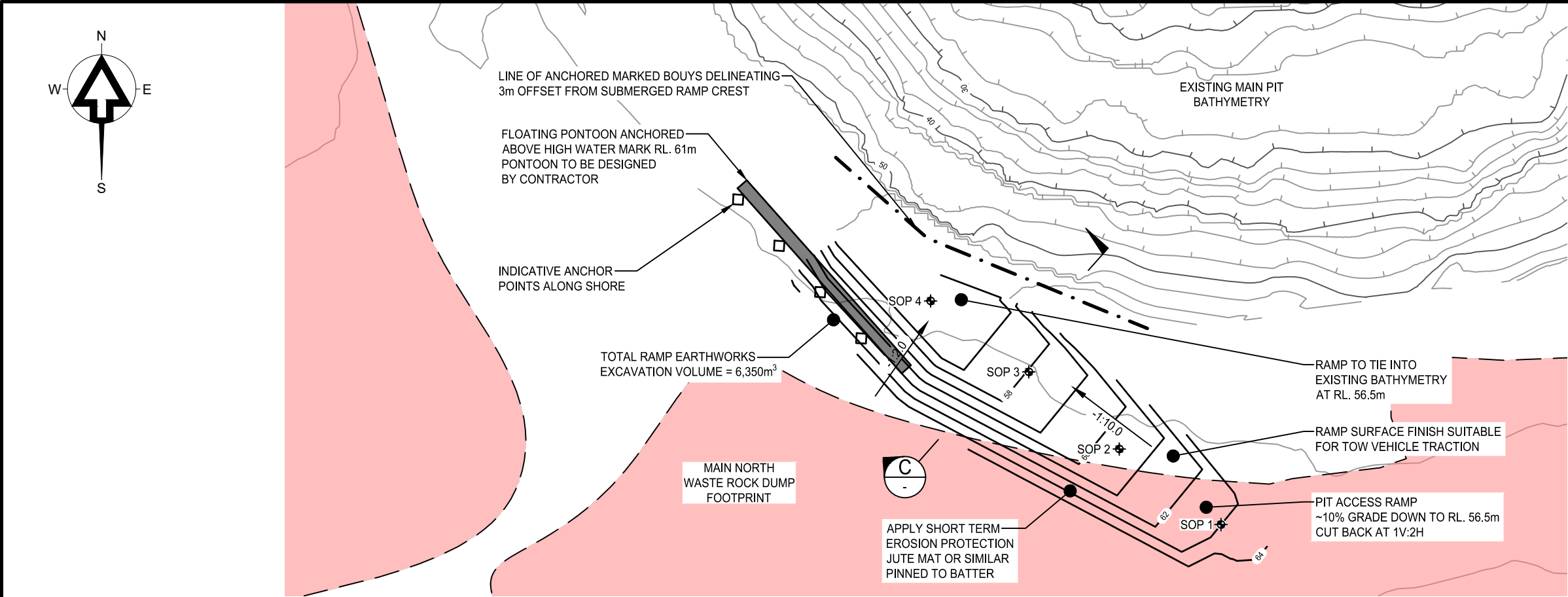
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DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN					
MAIN PIT ACCESS AND LAYDOWN AREA					
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 03 OF 16	NTG DRAWING No. 680.10421.MPS.D03	AMENDMENT 1	SHEET SIZE A3

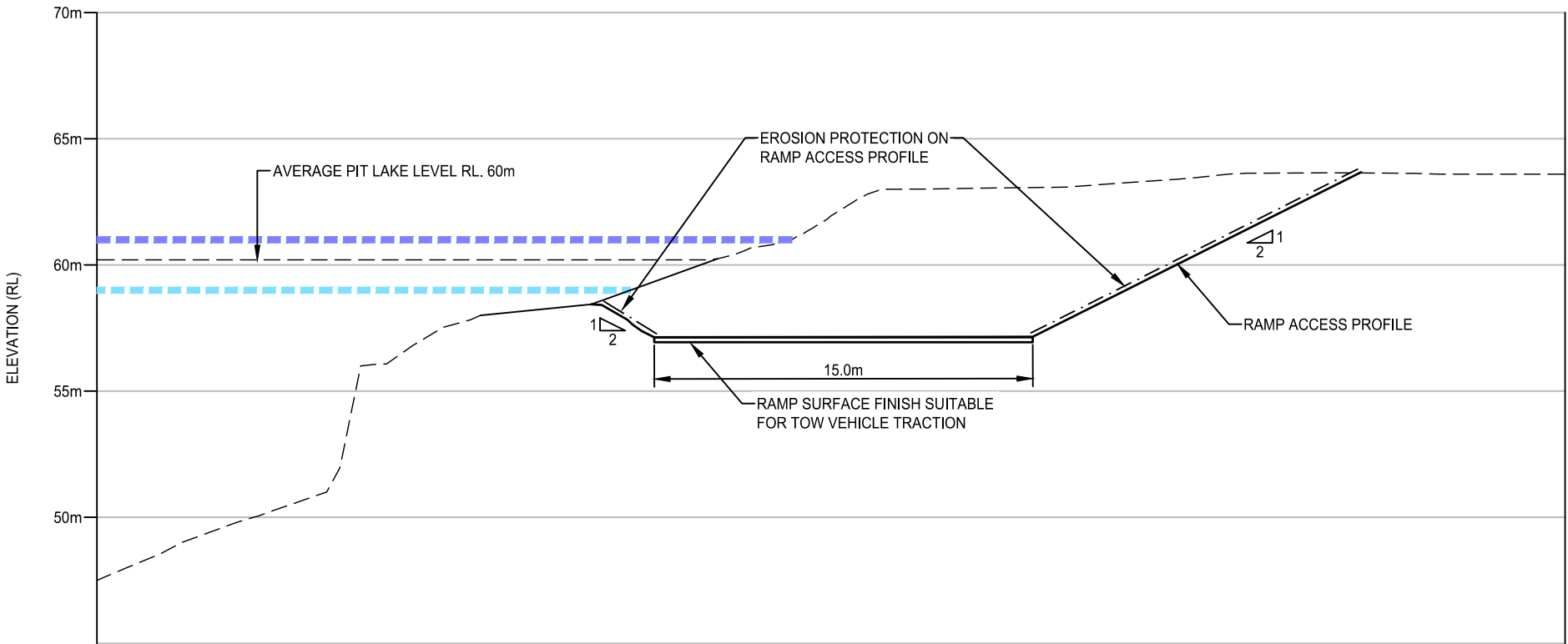
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USER: JORDAN MUGFORD
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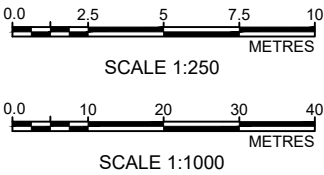
MAIN PIT ENTRY RAMP DETAIL PLAN
SCALE 1 : 1000

LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	DESIGN CONTOURS (1m INTERVALS)
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE
	PONTOON
	INDICATIVE PONTOON ANCHOR POINTS
	CENTRELINE OF MARKED BOUYS

MAIN PIT ENTRY RAMP SETOUT POINT TABLE			
SOP REF	EASTING	NORTHING	ELEVATION
SOP 1	717,846.26	8,563,173.03	63.00
SOP 2	717,825.71	8,563,188.29	60.44
SOP 3	717,807.41	8,563,203.88	58.04
SOP 4	717,787.57	8,563,218.21	56.50



PIT RAMP DETAIL SECTION C-C
SCALE 1:250



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
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AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

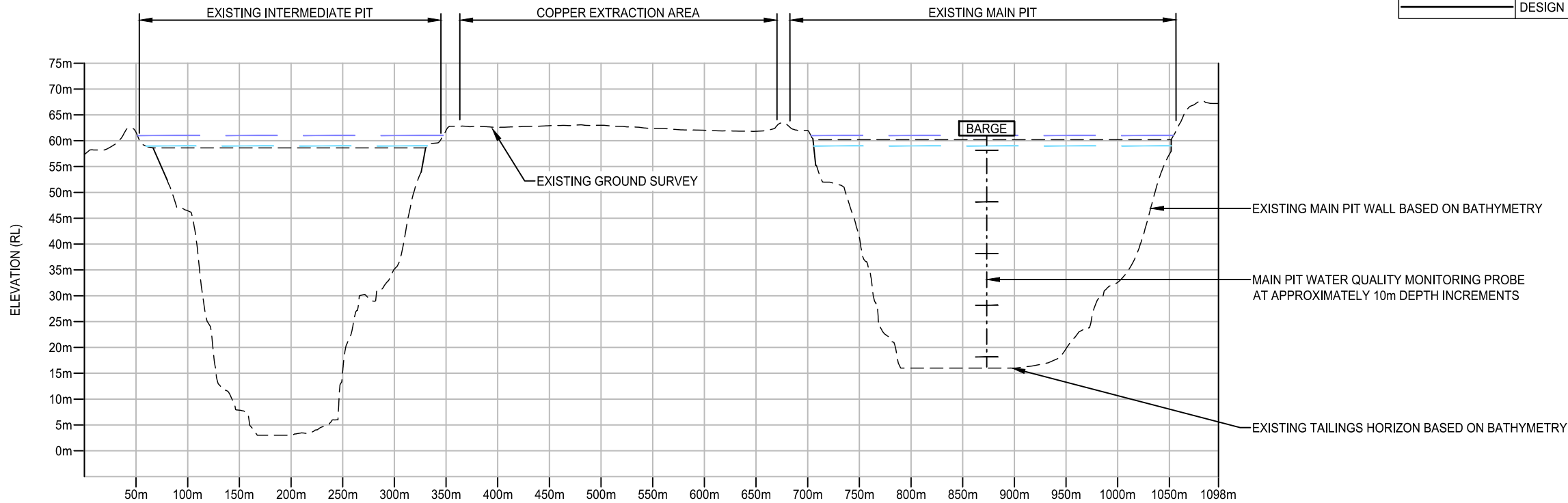


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
MAIN PIT ENTRY RAMP DETAIL				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 04 OF 16	NTG DRAWING No. 680.10421.MPS.D04	AMENDMENT 1
				SHEET SIZE A3

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LEGEND

	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

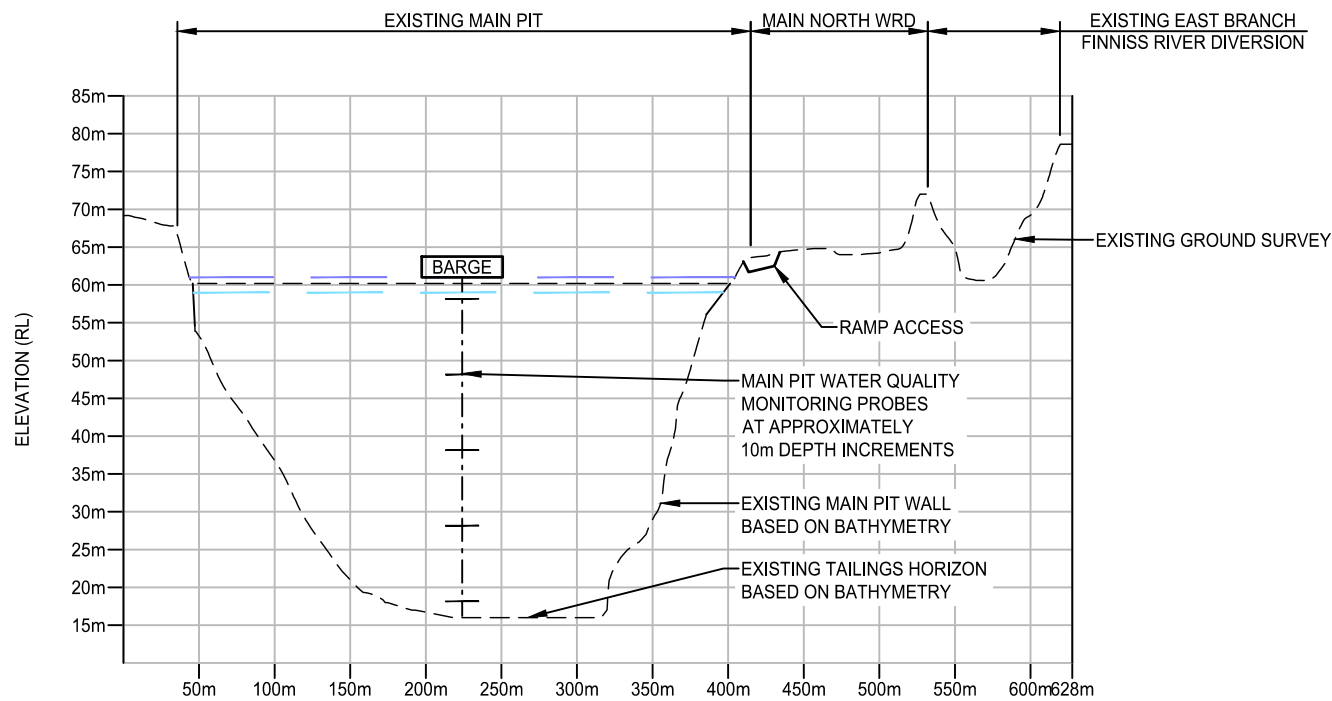


A-A - LONGSECTION

SECTION



SCALE 1:5000

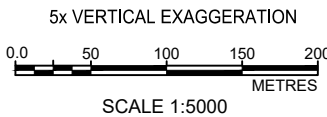


B-B - LONGSECTION

SECTION



SCALE 1:5000



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

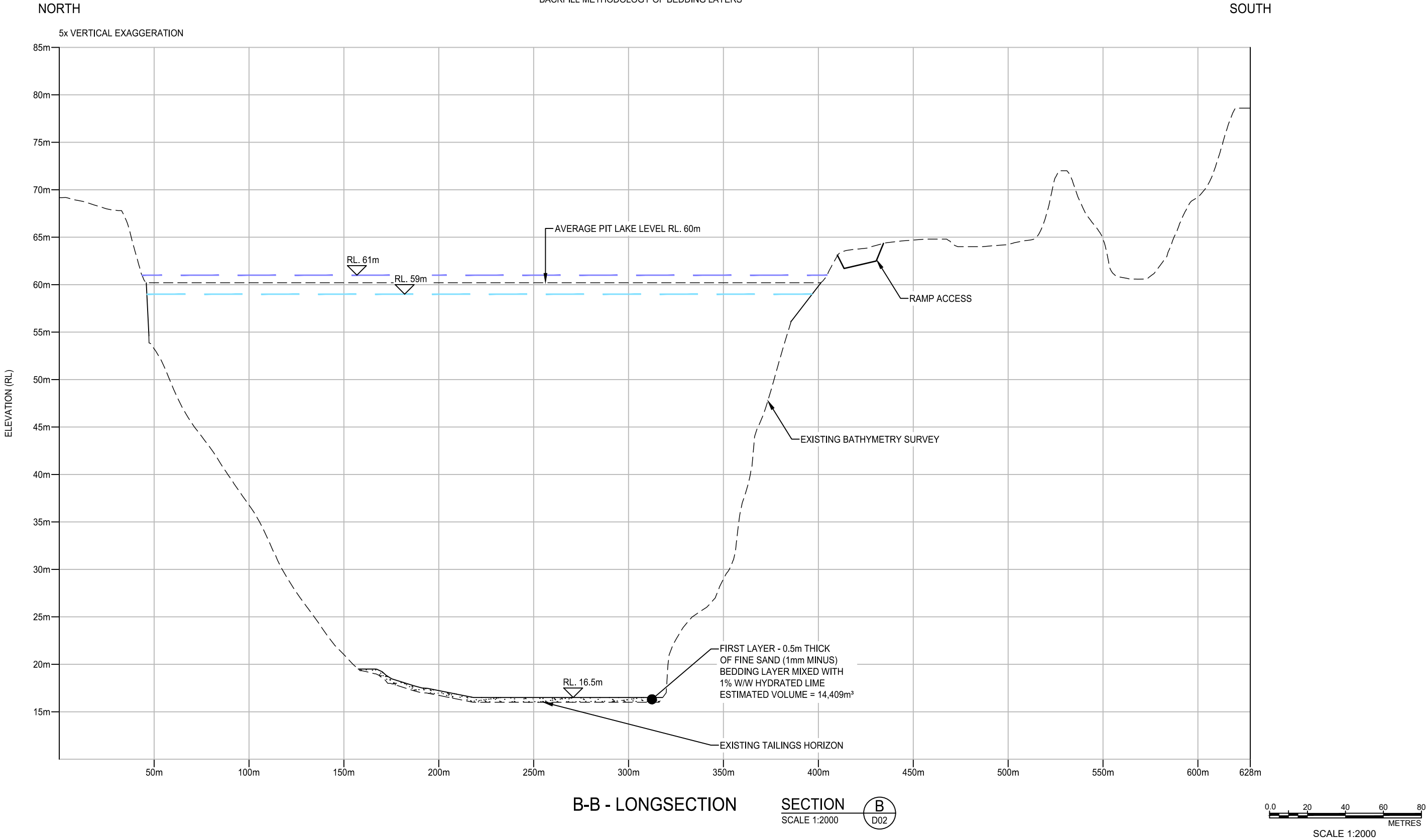
MAIN PIT REHABILITATION SECTIONS

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	05 OF 16	680.10421.MPS.D05	1	A3

PLOTTED ON: 12/06/2020 10:41 AM
USER: JORDAN MUGFORD
FILE LOCATION: H:\Projects-SLR\620-BNE\680-DRW\680.10421 - Rum Jungle\CAD\JM-Working\Design Drawings\Implementation Issue - week 08062020\680.10421-MPS-SERIES.dwg

LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR
BACKFILL METHODOLOGY OF BEDDING LAYERS



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

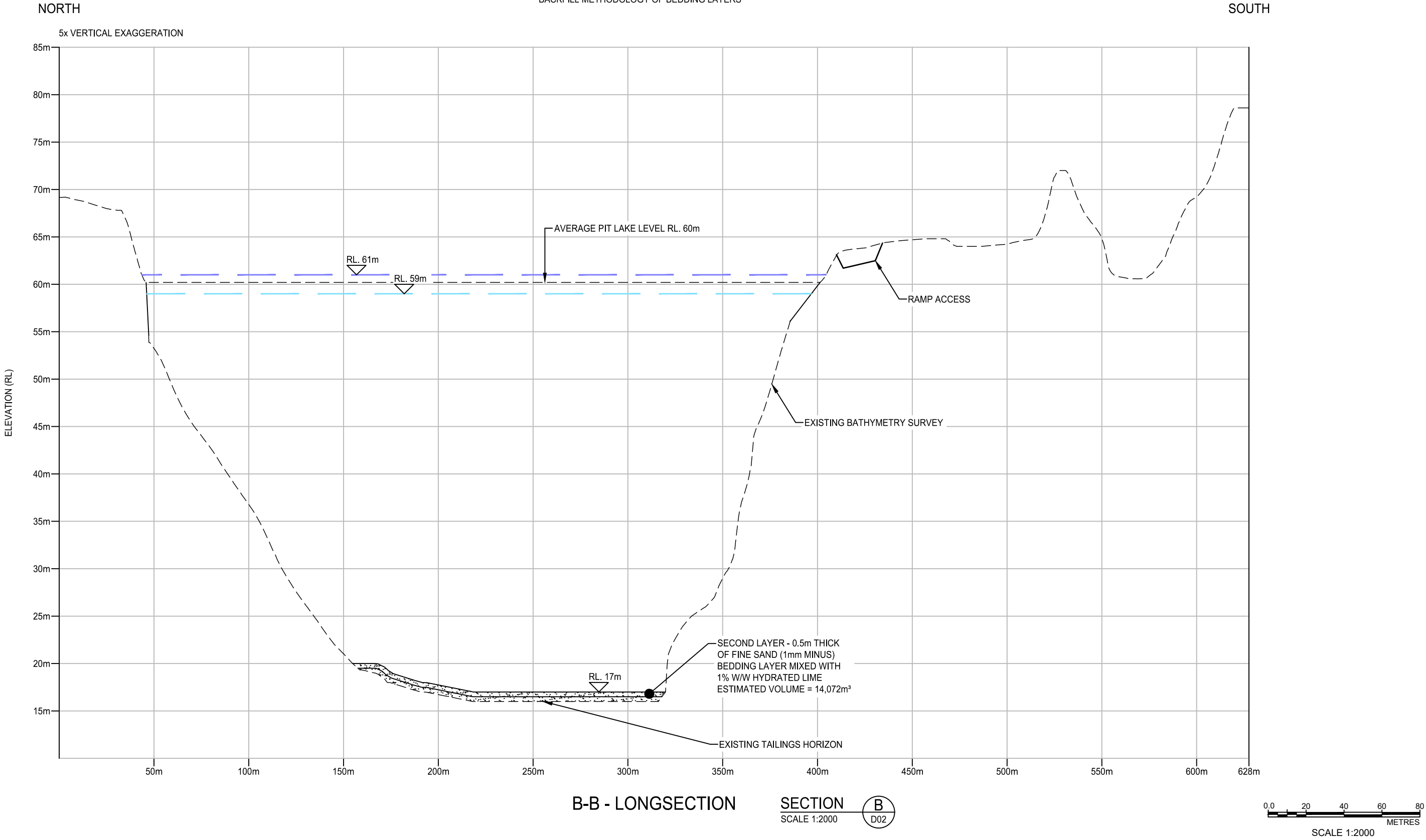


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTION SHEET 1 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 06 OF 16	NTG DRAWING No. 680.10421.MPS.D06	AMENDMENT 1
				SHEET SIZE A3

PLOTTED ON: 12/06/2020 10:41 AM
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LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR
BACKFILL METHODOLOGY OF BEDDING LAYERS



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

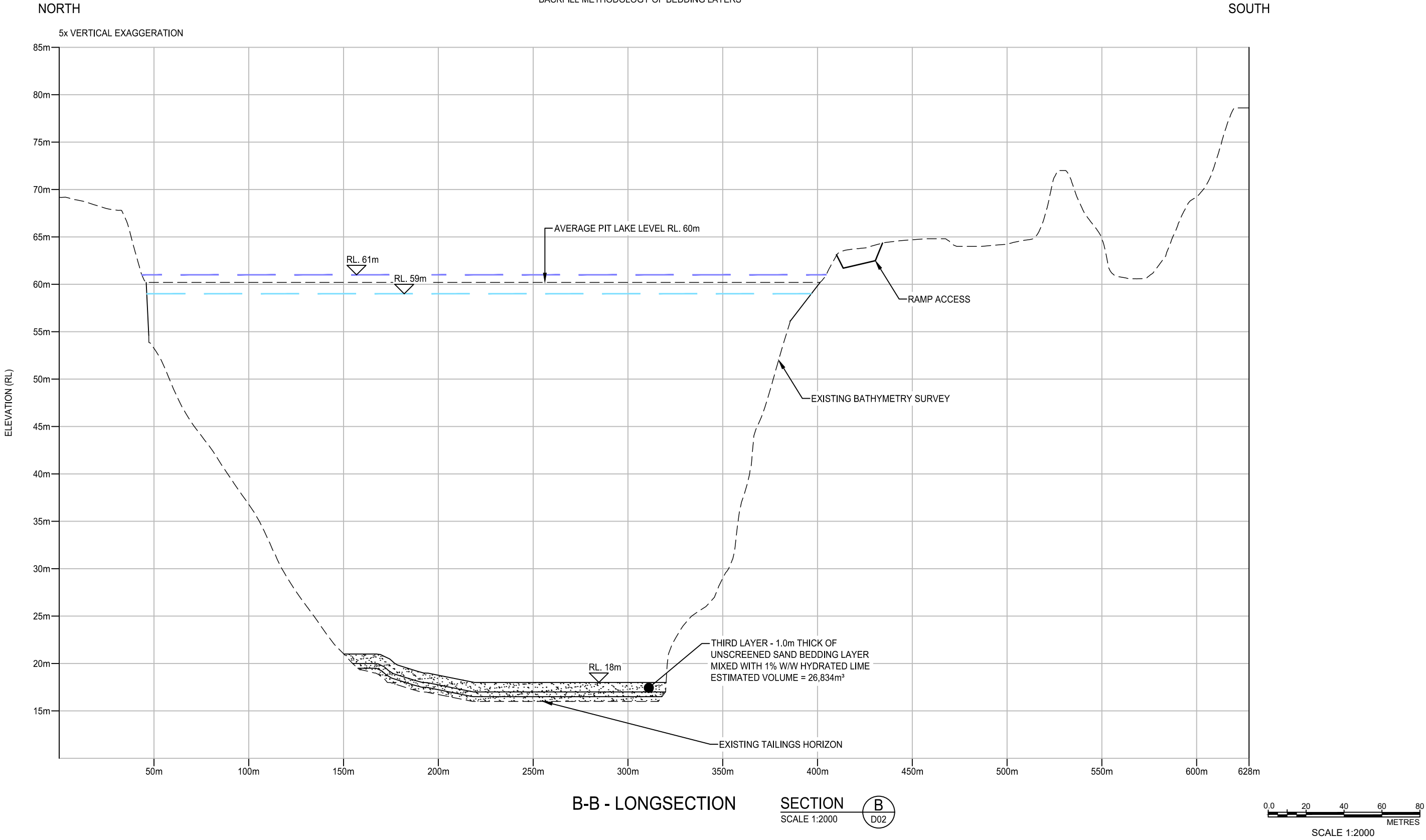


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTION SHEET 2 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 07 OF 16	NTG DRAWING No. 680.10421.MPS.D07	AMENDMENT 1
				SHEET SIZE A3

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FILE LOCATION: H:\Projects-SLR\620-BNE\680-DRW\680.10421 - Rum Jungle\CAD\JM-Working\Design Drawings\Implementation Issue - week 08\62020\680.10421-MPS-SERIES.dwg

LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR
BACKFILL METHODOLOGY OF BEDDING LAYERS

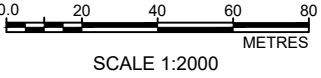


B-B - LONGSECTION

SECTION
SCALE 1:2000

B

D02



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
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B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



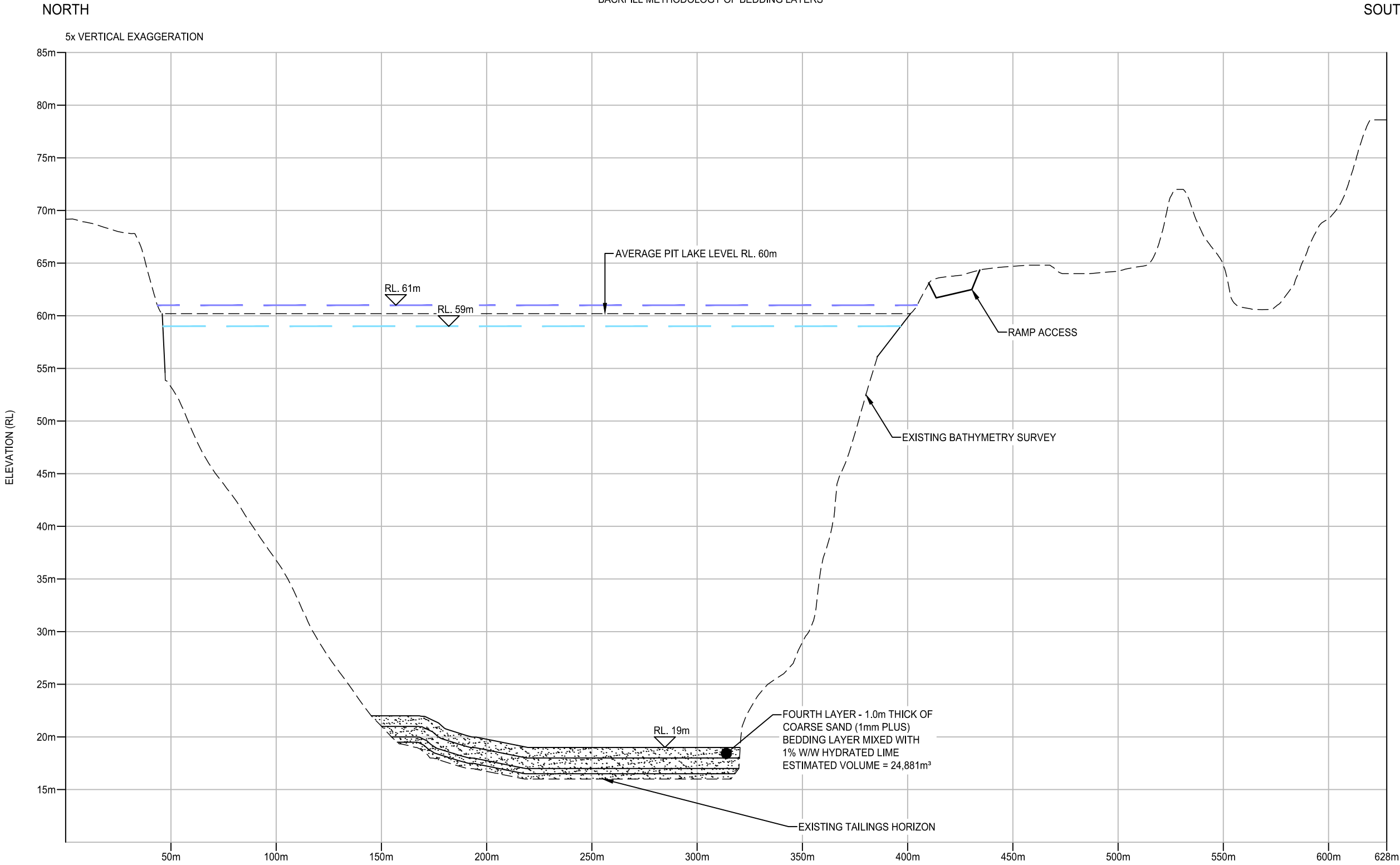
RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTION SHEET 3 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 08 OF 16	NTG DRAWING No. 680.10421.MPS.D08	AMENDMENT 1
				SHEET SIZE A3

PLOTTED ON: 12/06/2020 10:41 AM
USER: JORDAN MUGFORD
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LEGEND

	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

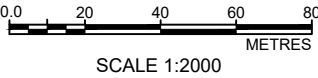
NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR
BACKFILL METHODOLOGY OF BEDDING LAYERS



B-B - LONGSECTION

SECTION
SCALE 1:2000

B
D02



1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
AMENDMENTS		Plot Date: 12/06/2020		



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RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

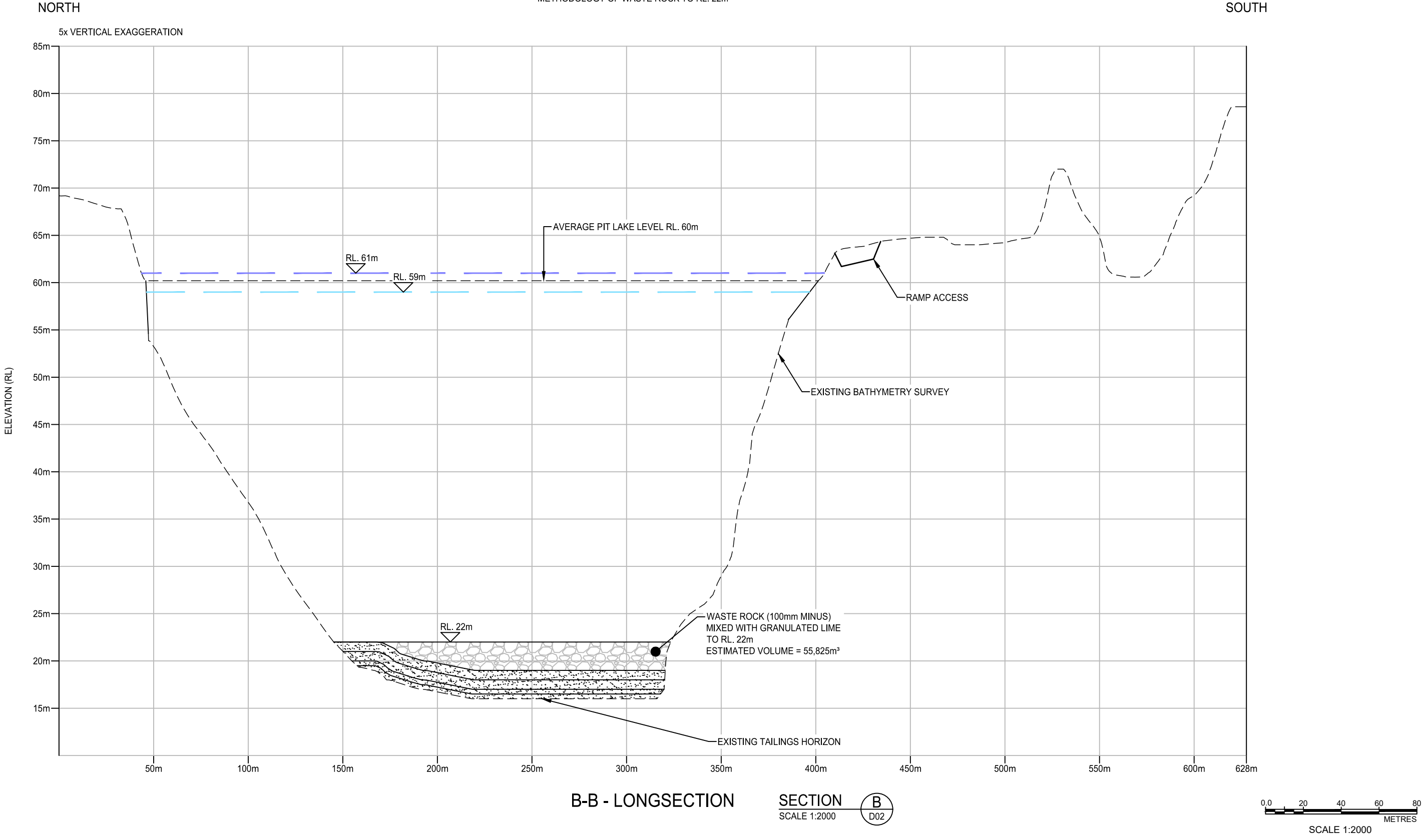
TYPICAL MAIN PIT BACKFILL SECTION
SHEET 4 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
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PLOTTED ON: 12/06/2020 10:41 AM
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LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR BACKFILL
METHODOLOGY OF WASTE ROCK TO RL. 22m



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

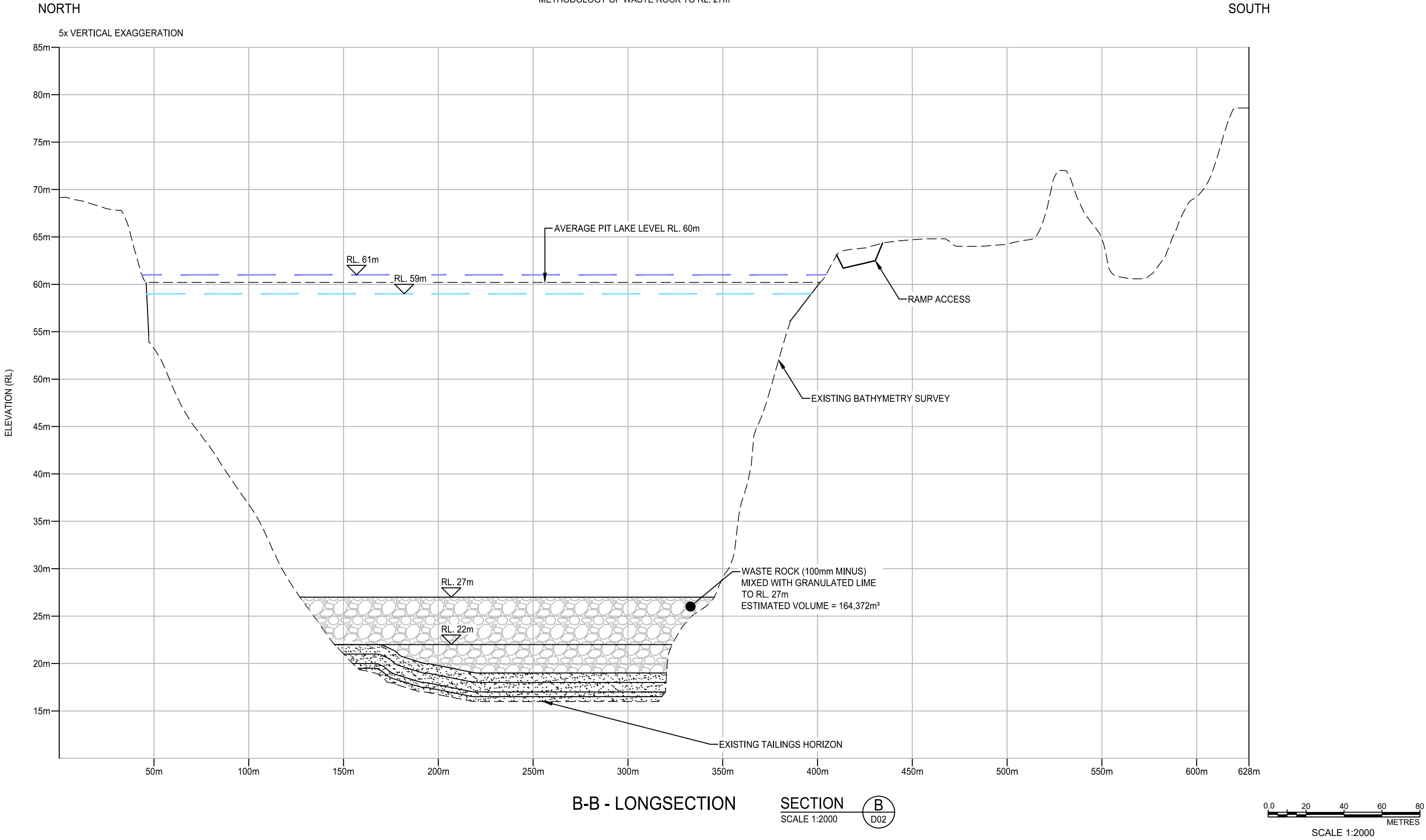


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTION SHEET 5 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 10 OF 16	NTG DRAWING No. 680.10421.MPS.D10	AMENDMENT 1
				SHEET SIZE A3

PLOTTED ON: 12/06/2020 10:41 AM
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LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR BACKFILL
METHODOLOGY OF WASTE ROCK TO RL. 27m



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

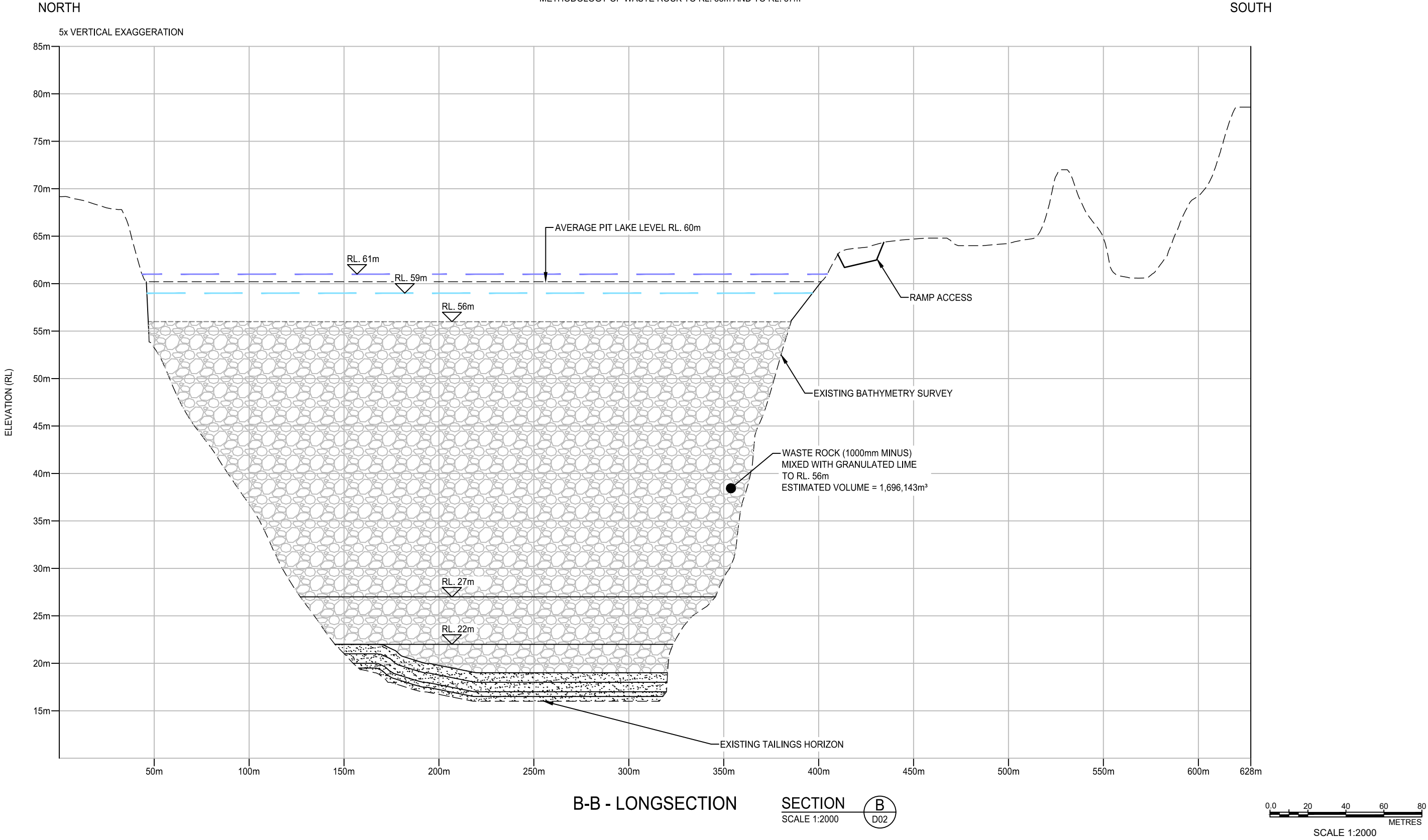


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTIONS SHEET 6 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 11 OF 16	NTG DRAWING No. 680.10421.MPS.D11	AMENDMENT 1
				SHEET SIZE A3

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LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

NOTE:
REFER DRAWING 680.10421.MPS.D14 FOR BACKFILL
METHODOLOGY OF WASTE ROCK TO RL. 35m AND TO RL. 57m



B-B - LONGSECTION
SECTION B
SCALE 1:2000

No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DRAWN
J Mugford
DATE: 12/06/2020

DESIGNED
B Tarrant
DATE: 12/06/2020

DESIGN PROJECT LEADER
D OToole
DATE: 12/06/2020

CHECKED
D OToole/B Tarrant
DATE: 12/06/2020

CHECKED
D OToole
DATE: 12/06/2020

NTG PROJECT MANAGER
J Hartnett
DATE: 12/06/2020



**Northern Territory
Government**

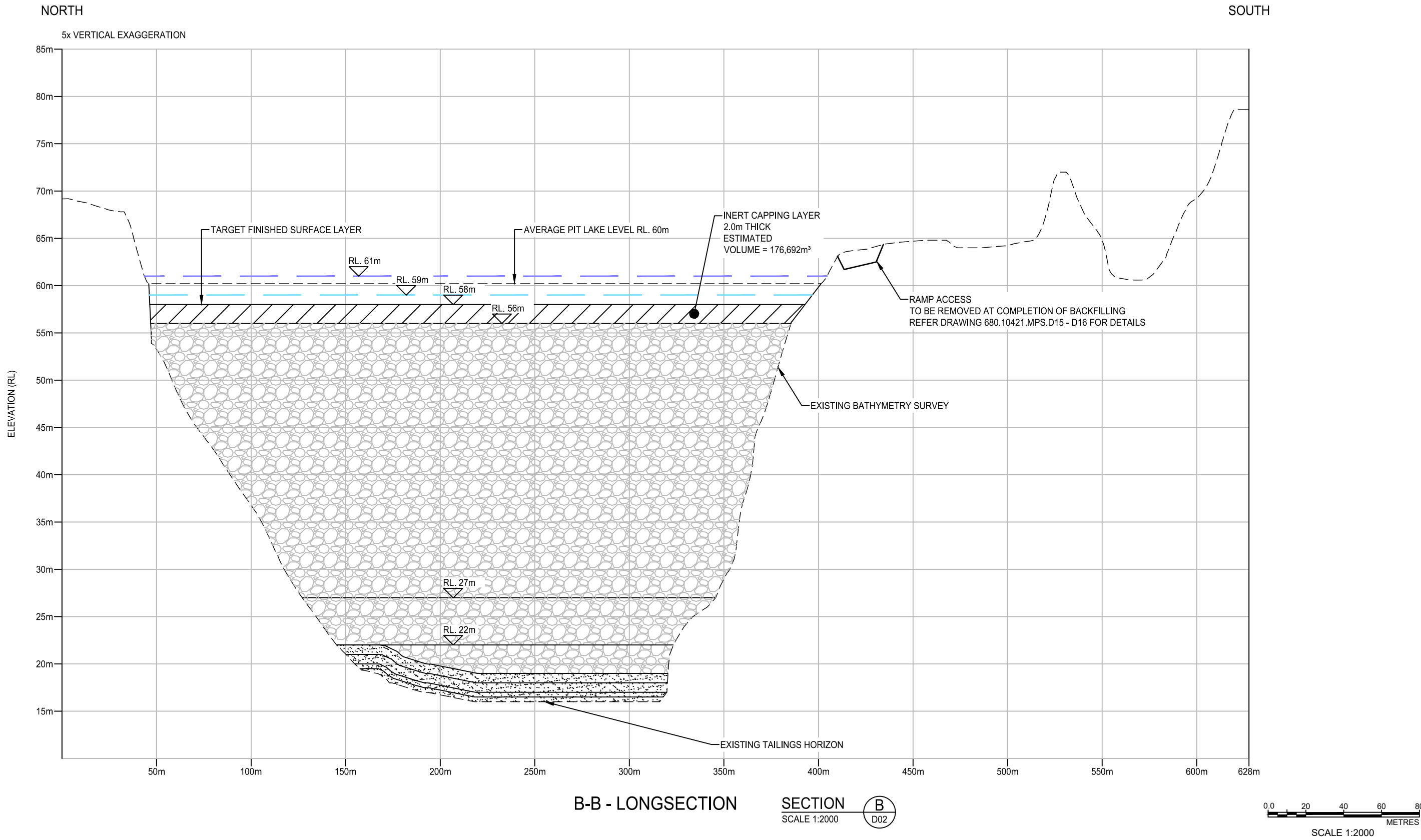
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

**TYPICAL MAIN PIT BACKFILL SECTION
SHEET 7 OF 8**

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	12 OF 16	680.10421.MPS.D12	1	A3

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LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY.
1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
AMENDMENTS				
Plot Date: 12/06/2020				



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DRAWN J Mugford DATE: 12/06/2020	CHECKED D OToole/B Tarrant DATE: 12/06/2020
DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020

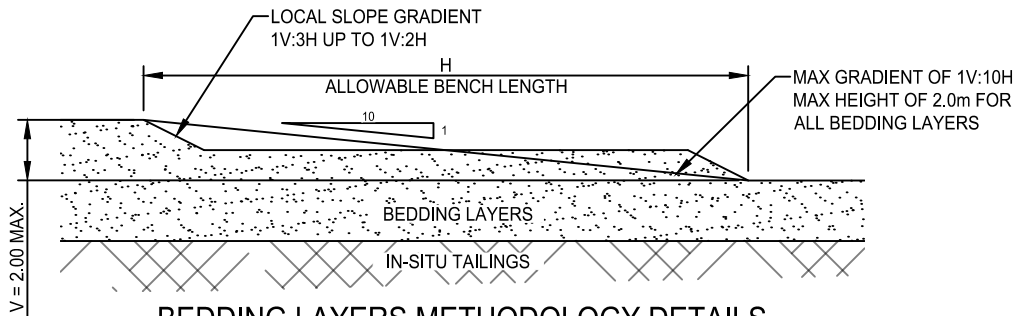


RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTIONS SHEET 8 OF 8				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 13 OF 16	NTG DRAWING No. 680.10421.MPS.D13	AMENDMENT 1
				SHEET SIZE A3

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NOTE:

REFER DRAWING 680.10421.MPS.D06 - D09 FOR
RELEVANT MAIN PIT SECTIONS

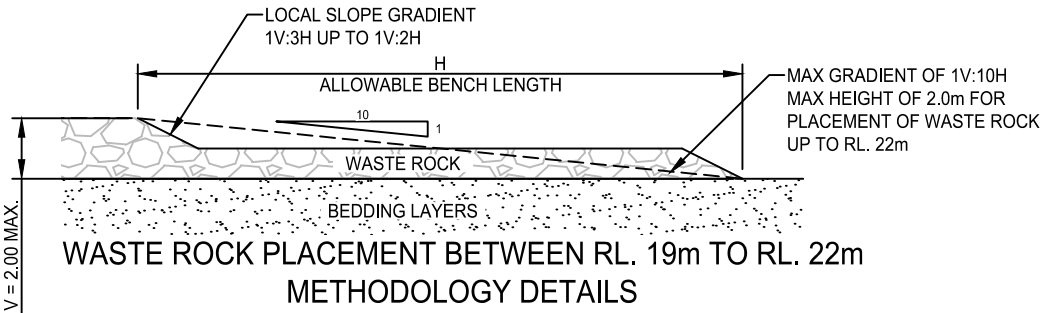


BEDDING LAYERS METHODOLOGY DETAILS

SCALE 1 : 250

NOTE:

REFER DRAWING 680.10421.MPS.D10 FOR
RELEVANT MAIN PIT SECTIONS

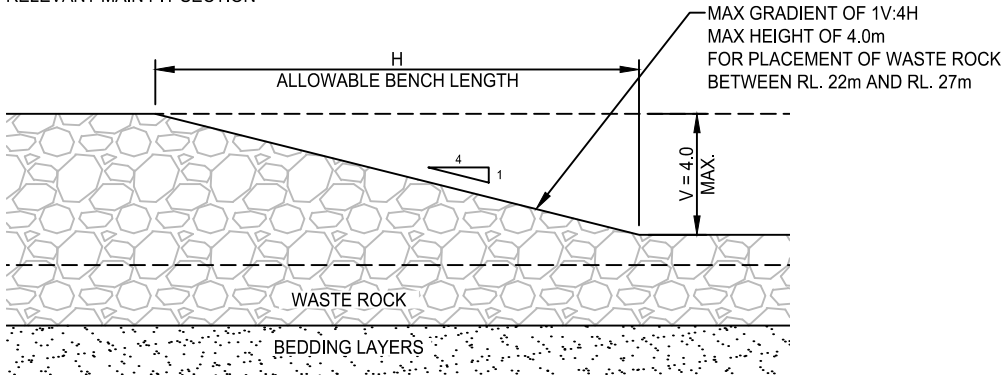


WASTE ROCK PLACEMENT BETWEEN RL. 19m TO RL. 22m
METHODOLOGY DETAILS

SCALE 1 : 250

NOTE:

REFER DRAWING 680.10421.MPS.D11 FOR
RELEVANT MAIN PIT SECTION



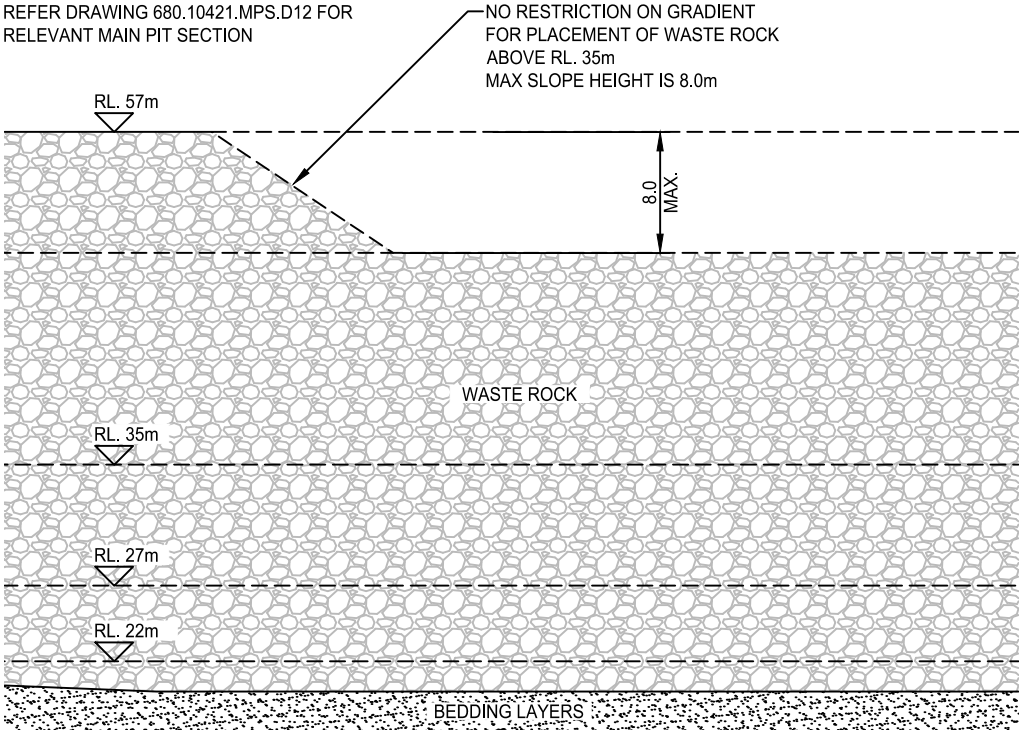
WASTE ROCK PLACEMENT BETWEEN RL. 22m TO RL. 27m
METHODOLOGY DETAILS

SCALE 1 : 250

BACKFILL MATERIAL	RL FROM (m AHD)	RL TO (m AHD)	V MAX (m)	V MAX (MIN AREA)	(V:H) MAX	(V:H) MAX (MIN AREA)
BEDDING SAND	16	22	2	20m x 20m	1V:10H	100m x 100m
WASTE ROCK	19	22	2	20m x 20m	1V:10H	100m x 100m
WASTE ROCK	22	27	4	20m x 20m	1V:4H	100m x 100m
WASTE ROCK	27	35	8	20m x 20m	1V:3H	100m x 100m
WASTE ROCK / INERT CAPPING LAYER	35	-	8	100m x 100m	-	100m x 100m

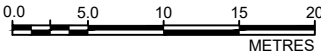
NOTE:

REFER DRAWING 680.10421.MPS.D12 FOR
RELEVANT MAIN PIT SECTION

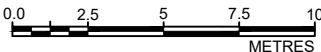


WASTE ROCK PLACEMENT ABOVE RL. 35m
METHODOLOGY DETAILS

SCALE 1 : 500



SCALE 1:500



SCALE 1:250

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Plot Date: 12/06/2020				



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DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



Northern Territory
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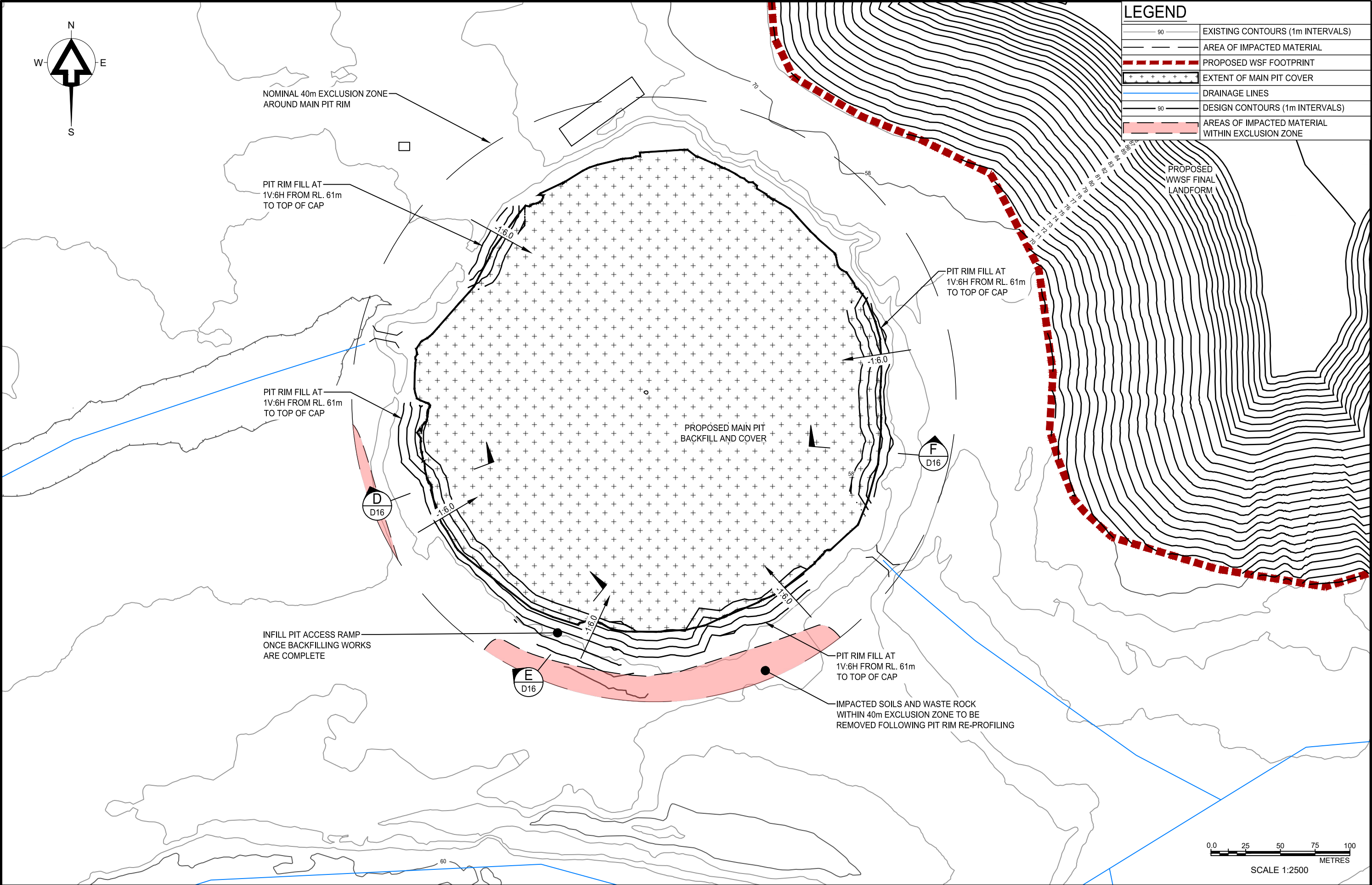
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

MAIN PIT BACKFILL METHODOLOGY DETAILS

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	14 OF 16	680.10421.MPS.D14	1	A3

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1	ISSUED FOR IMPLEMENTATION	12/06/20	JM	SLR
B	ISSUED FOR EXTERNAL REVIEW	05/05/20	JM	SLR
A	ISSUED FOR CLIENT APPROVAL	30/04/20	JM	SLR
No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
AMENDMENTS		Plot Date: 12/06/2020		



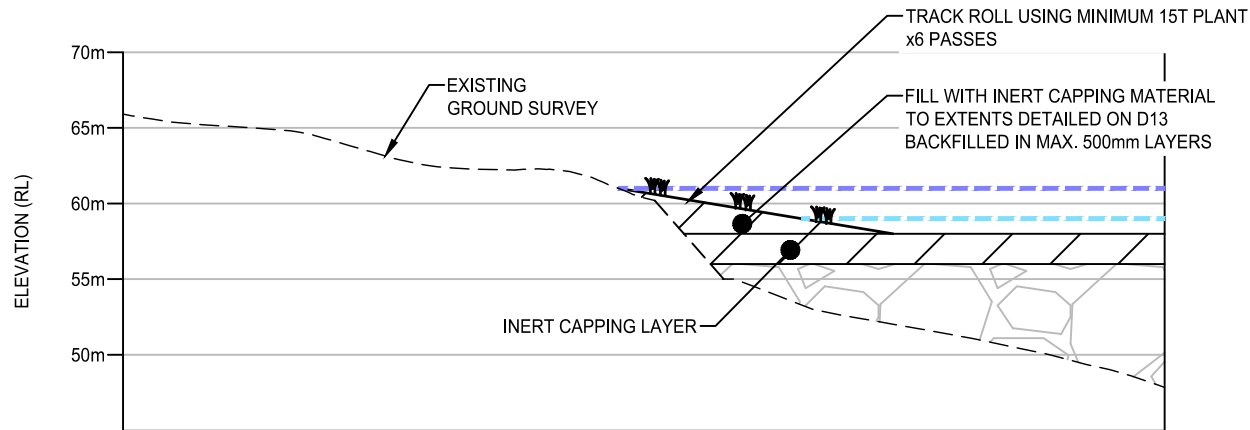
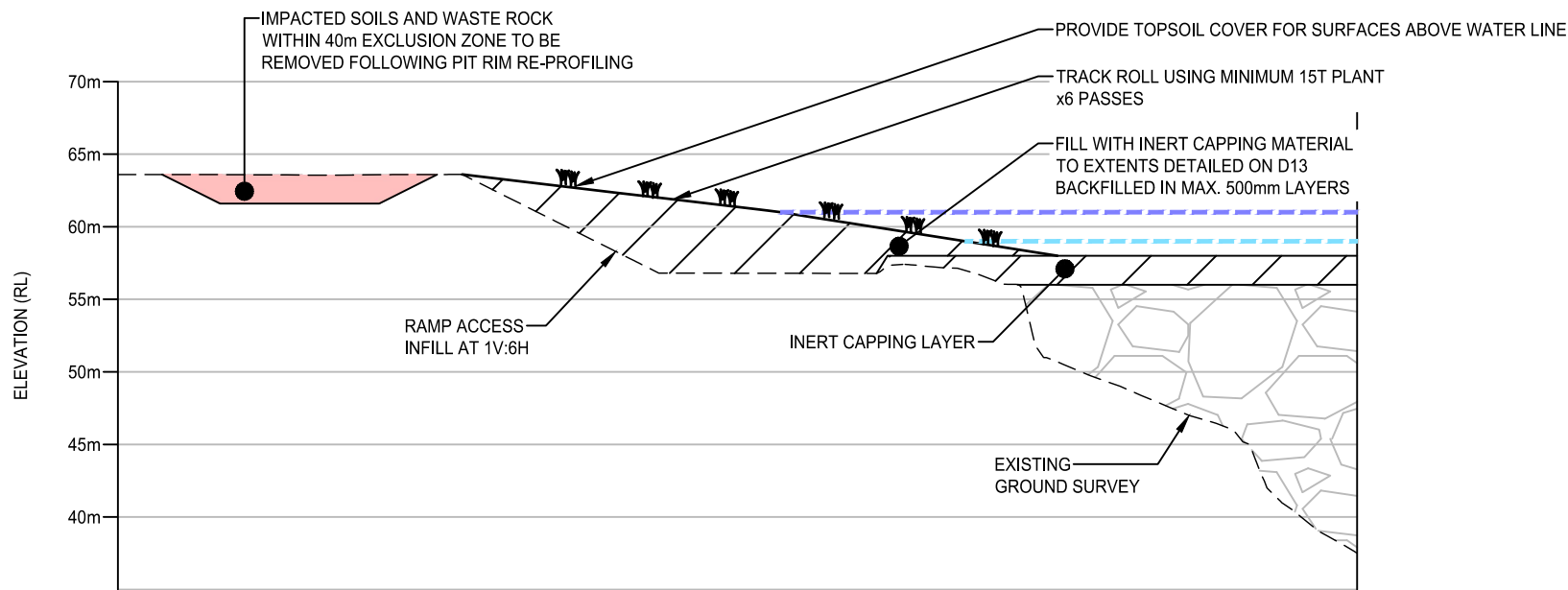
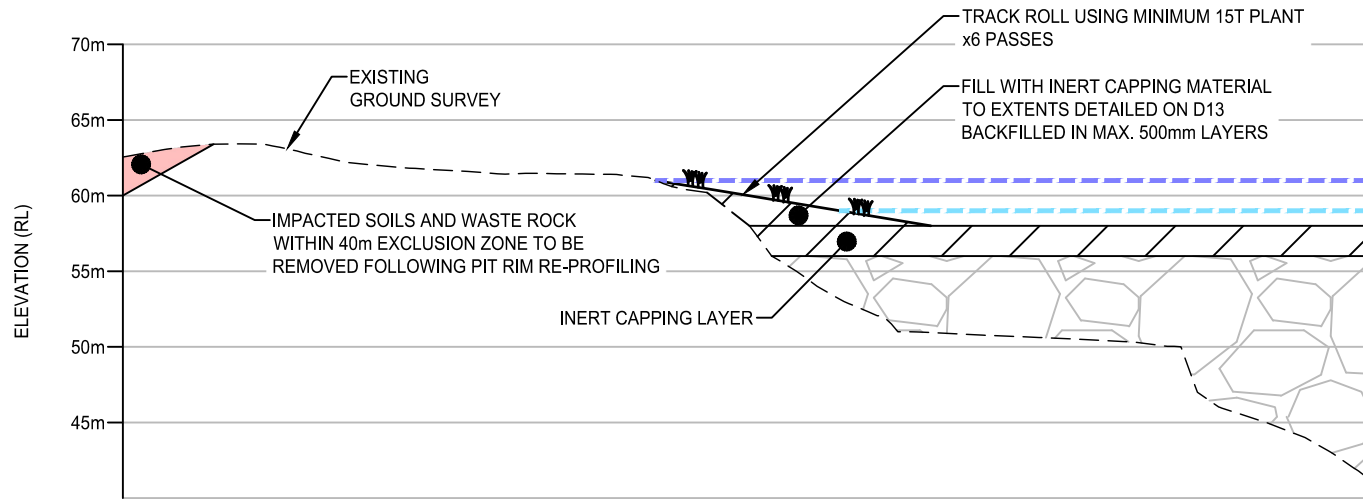
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DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



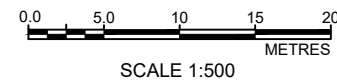
RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN					
RE-PROFILING INFILL LAYOUT PLAN					
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	15 of 16	680.10421.MPS.D15	1	A3

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LEGEND

	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE
	AREAS OF IMPACTED MATERIALS WITHIN EXCLUSION ZONE



No.	DESCRIPTION	DATE	INIT.	DEPT/COMPANY
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RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

RE-PROFILING INFILL - TYPICAL SECTIONS

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	16 OF 16	680.10421.MPS.D16	1	A3

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