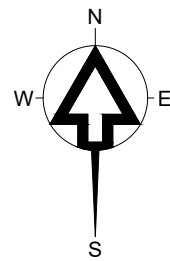


Appendix 25.

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





LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	DRAINAGE LINES

EXISTING DILAPIDATED STRUCTURES

RADIOACTIVE SOILS AREA 'A'

OLD STOCKPILE AREA

EXISTING TAILINGS IN MAIN PIT TO BE COVERED BY BRIDGING SAND THEN PIT TO BE BACKFILLED WITH WASTE ROCK TO RL. 56m WASTE ROCK TO BE CAPPED WITH CLEAN FILL TO RL. 58m

EXISTING MAIN PIT OUTLET CULVERT

EXISTING MAIN PIT BATHYMETRY

DRILL RIG SITE

EXISTING MAIN PIT INLET CULVERT

RADIOACTIVE SOILS AREA 'B'

COPPER EXTRACTION AREA

MAIN NORTH WASTE ROCK DUMP

EXISTING INTERMEDIATE PIT BATHYMETRY

EAST BRANCH FINNISS RIVER DIVERSION DRAIN

EAST BRANCH FINNISS RIVER

SALT IMPACTED AREA 'A'

MAIN WASTE ROCK DUMP LEVEE

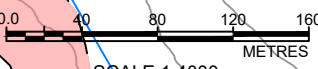
INTERMEDIATE WASTE ROCK DUMP

MAIN WASTE ROCK DUMP

SALT IMPACTED AREA 'C'

SALT IMPACTED AREA 'B'

FITCH CREEK



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

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

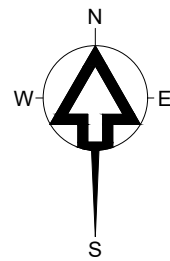


UNIT 5 / 21 PARAP ROAD
 DARWIN
 NT 0820
 AUSTRALIA
 T: 61 8 8998 0100
 F: 61 8 8998 0101
 www.slrconsulting.com

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				
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



LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	PROPOSED WSF FOOTPRINT
	DRAINAGE LINES
	DESIGN CONTOURS (1m INTERVALS)
	INDICATIVE BARGE ANCHOR POINT
	OPERATIONS AND STOCKPILE AREA

INDICATIVE WATER TREATMENT PLANT LOCATION

RADIOACTIVE SOILS AREA 'A'

OLD STOCKPILE AREA

PROPOSED WSF WEST FOOTPRINT

NOMINAL 40m EXCLUSION ZONE AROUND MAIN PIT RIM

EXISTING TAILINGS IN MAIN PIT TO BE COVERED BY BRIDGING SAND THEN PIT TO BE BACKFILLED WITH WASTE ROCK TO RL. 56m WASTE ROCK TO BE CAPPED WITH CLEAN FILL TO RL. 58m

INDICATIVE BARGE ANCHOR POINTS MIN. 50m OFFSET FROM PIT RIM

BARGE

EXISTING MAIN PIT BATHYMETRY

SITE HAULAGE ROAD REFER DRAWING SERIES 'HR' FOR DETAILS (HAUL ROAD DRAWINGS BY MEC MINING)

COPPER EXTRACTION AREA

CONSTRUCT PIT ACCESS RAMP REFER DRAWING 680.10421.MPS.D04 FOR DETAILS

LAYDOWN AREA REFER DRAWING SERIES 'HR' FOR DETAILS (HAUL ROAD DRAWINGS BY MEC MINING)

EXISTING INTERMEDIATE PIT BATHYMETRY

MAIN NORTH WASTE ROCK DUMP

MAIN PIT BACKFILL OPERATIONS AND STOCKPILE AREA FOOTPRINT = 35,600m²

PROPOSED RIVER CROSSING REFER DRAWING SERIES 'C' FOR DETAILS (DIVERSION DRAIN CROSSING DRAWINGS BY PRITCHARD FRANCIS)

EAST BRANCH FINNISS RIVER DIVERSION DRAIN

A D05

SALT IMPACTED AREA 'A'

MAIN WASTE ROCK DUMP LEVEE

INTERMEDIATE WASTE ROCK DUMP

MAIN WASTE ROCK DUMP

FITCH CREEK

RADIOACTIVE SOILS AREA 'B'

SALT IMPACTED AREA 'C'

SALT IMPACTED AREA 'B'



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

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

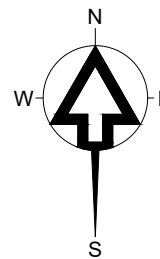


UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrc consulting.com

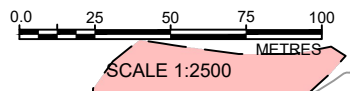
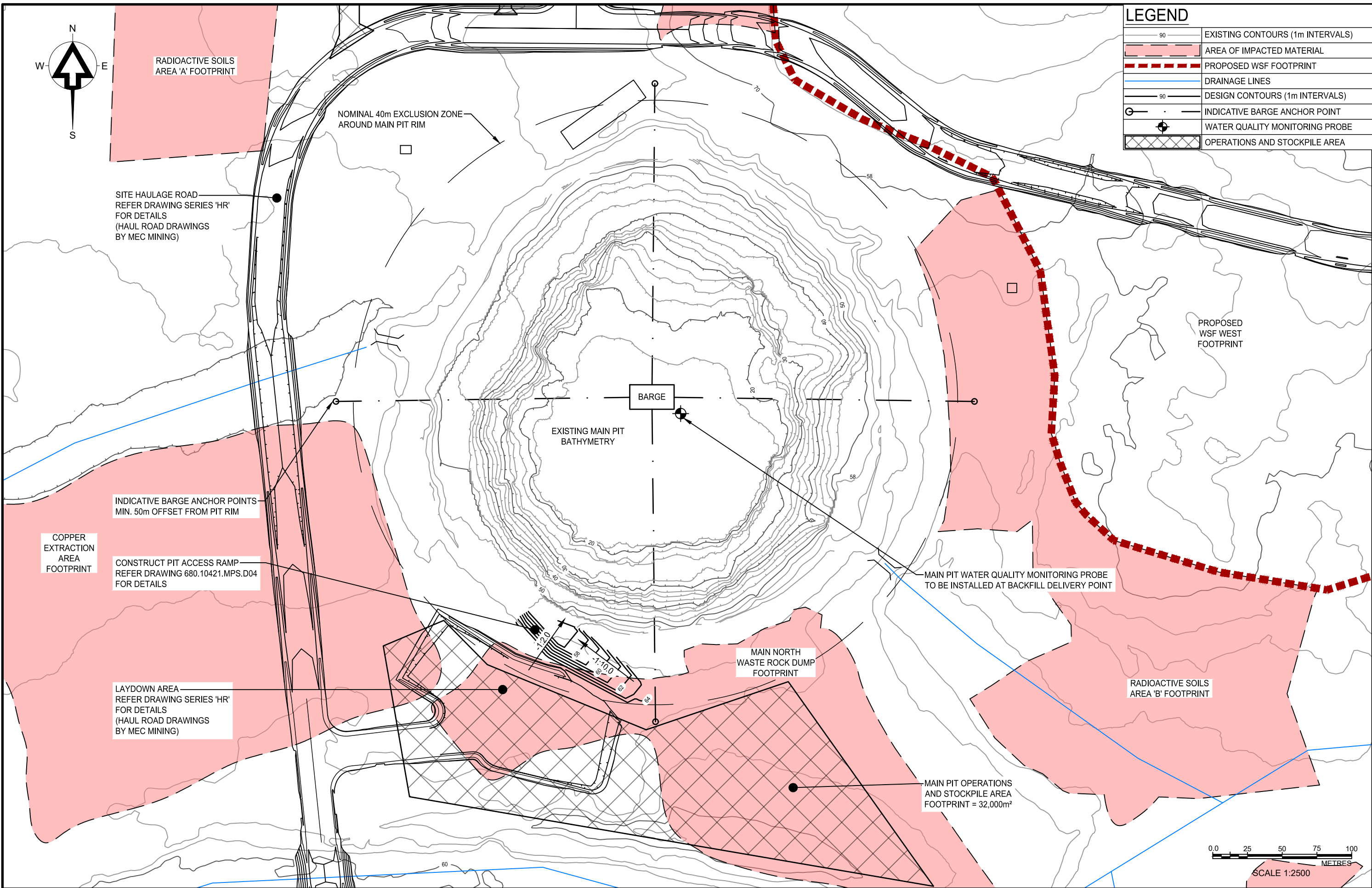
DRAWN J Mugford DATE: 12/06/2020	CHECKED D OToole/B Tarrant DATE: 12/06/2020
DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



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



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



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

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

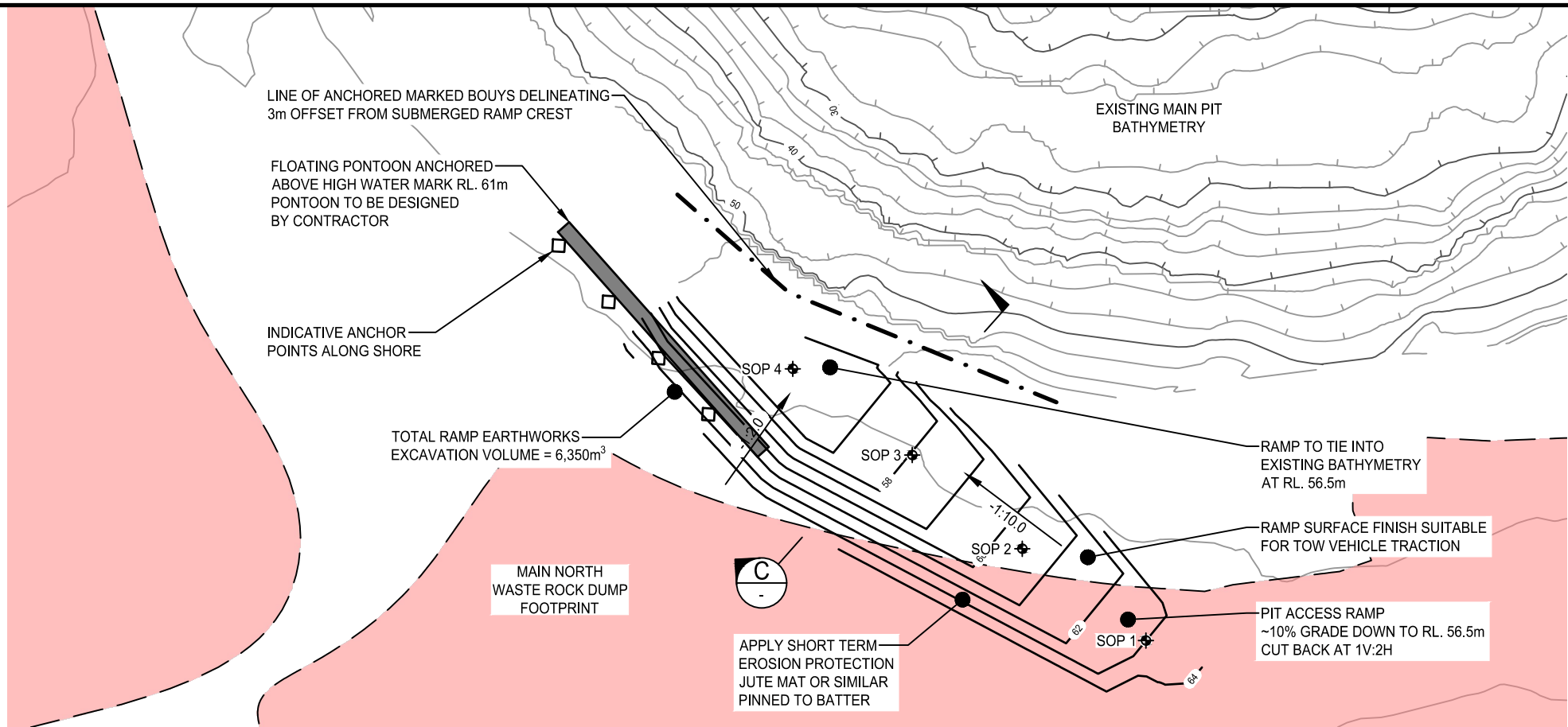
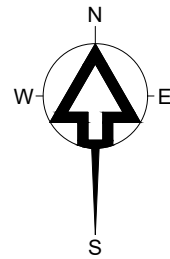


UNIT 5 / 21 PARAP ROAD
 DARWIN
 NT 0820
 AUSTRALIA
 T: 61 8 8998 0100
 F: 61 8 8998 0101
 www.slrconsulting.com

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				
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	Ver. Jan' 2020

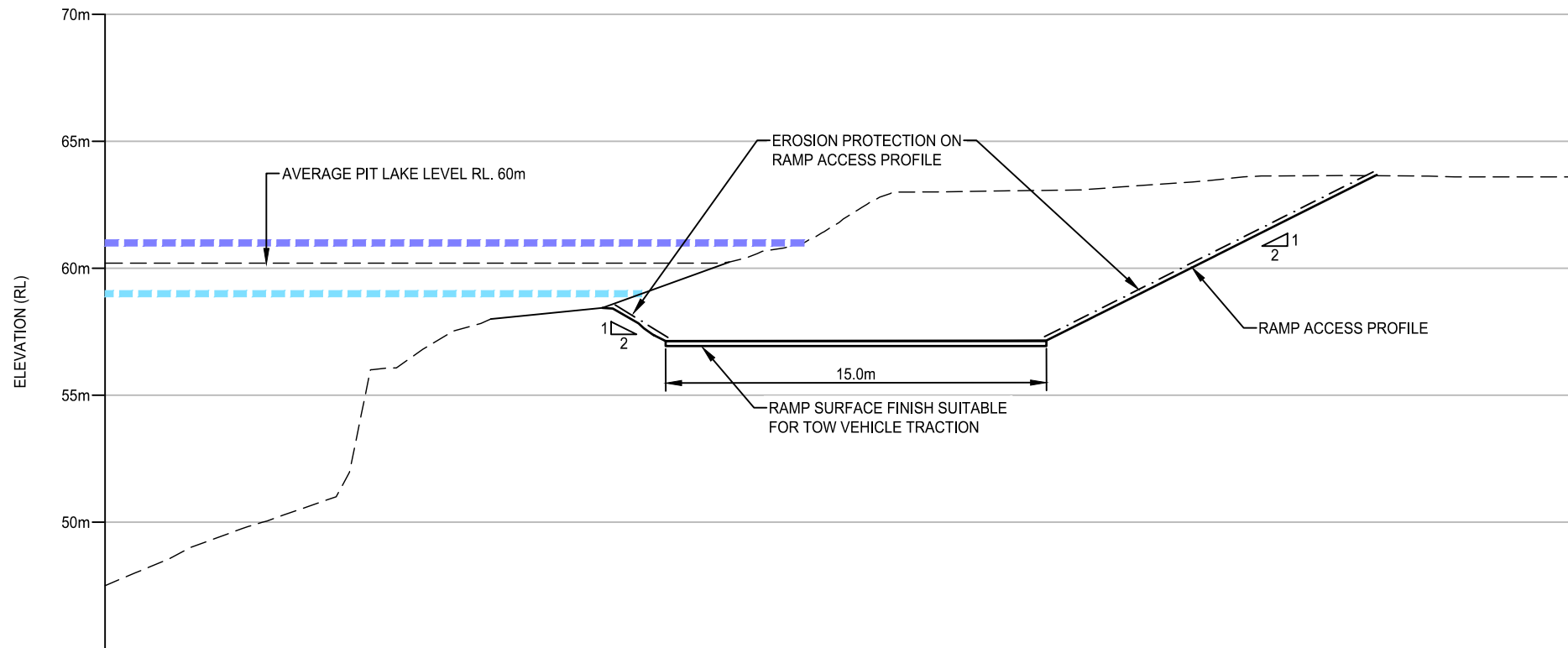


MAIN PIT ENTRY RAMP DETAIL PLAN

SCALE 1 : 1000

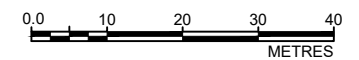
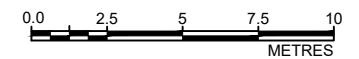
LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	DESIGN CONTOURS (1m INTERVALS)
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE
	PONTOON
	INDICATIVE PONTOON ANCHOR POINTS
	CENTRELINE OF MARKED BOUYIS

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

SCALE 1:250



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



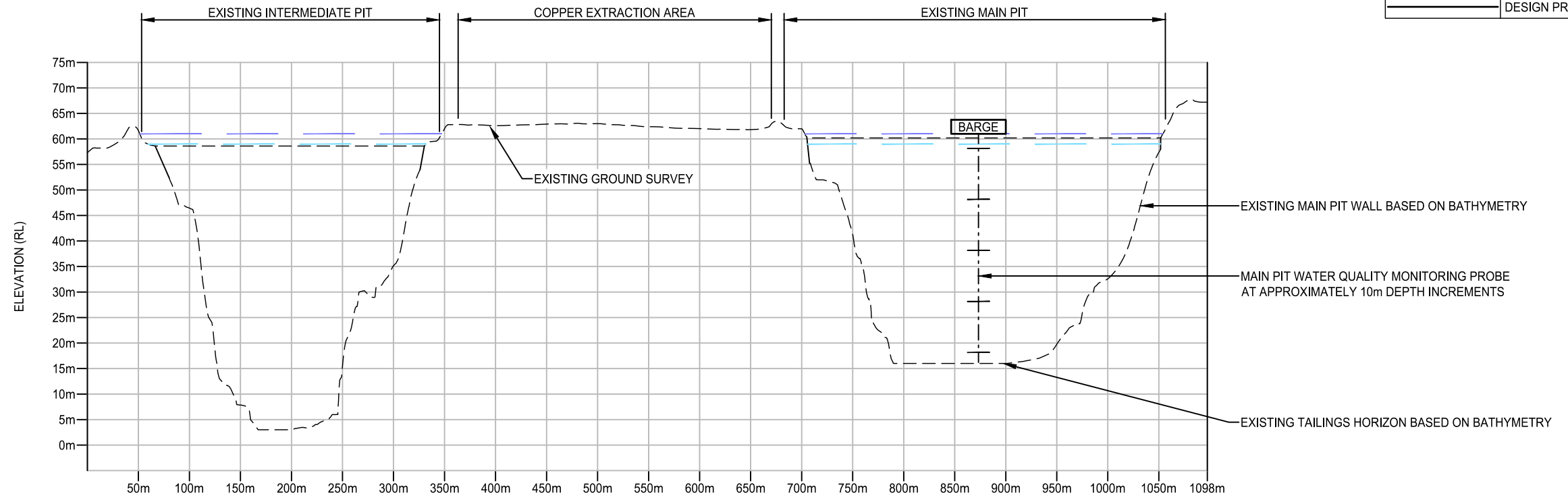
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

MAIN PIT ENTRY RAMP DETAIL

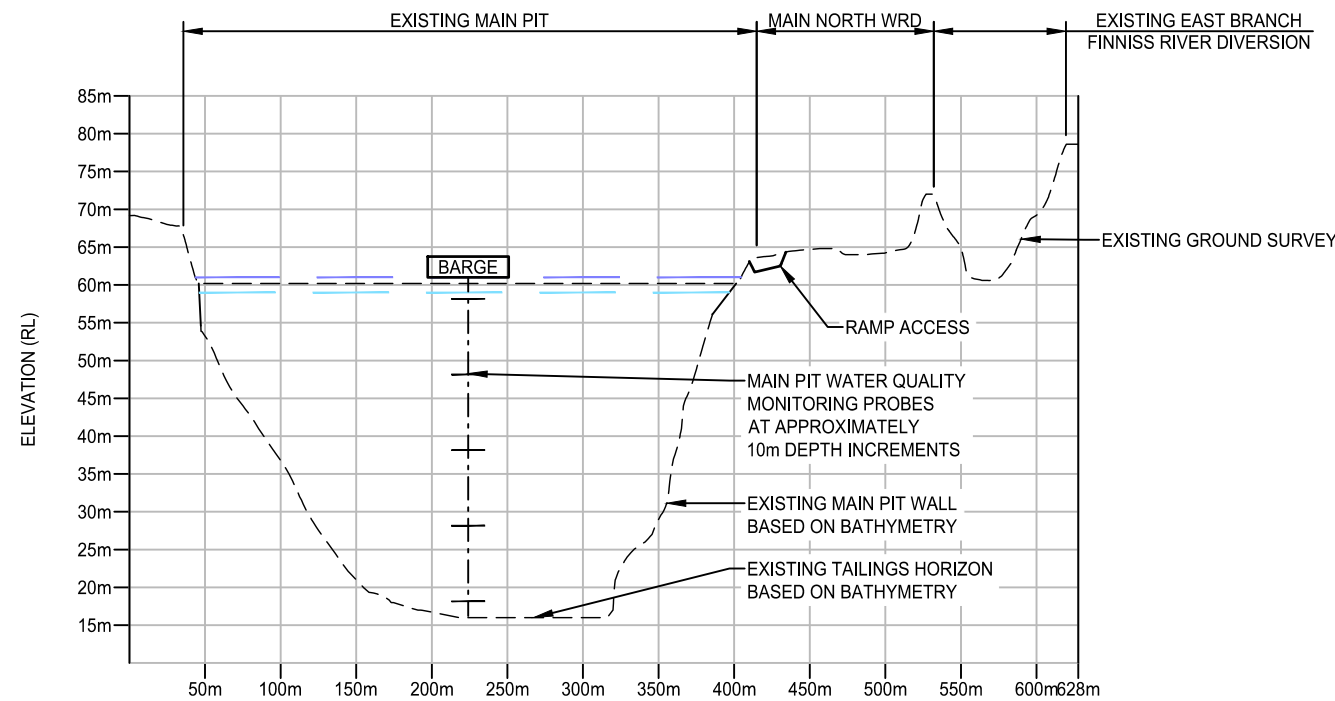
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	04 OF 16	680.10421.MPS.D04	1	A3

Ver. Jan' 2020

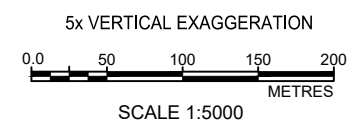
LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE



A-A - LONGSECTION SECTION A D02 SCALE 1:5000



B-B - LONGSECTION SECTION B D02 SCALE 1:5000



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

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

UNIT 5 / 21 PARAP ROAD
 DARWIN
 NT 0820
 AUSTRALIA
 T: 61 8 8998 0100
 F: 61 8 8998 0101
 www.slrconsulting.com

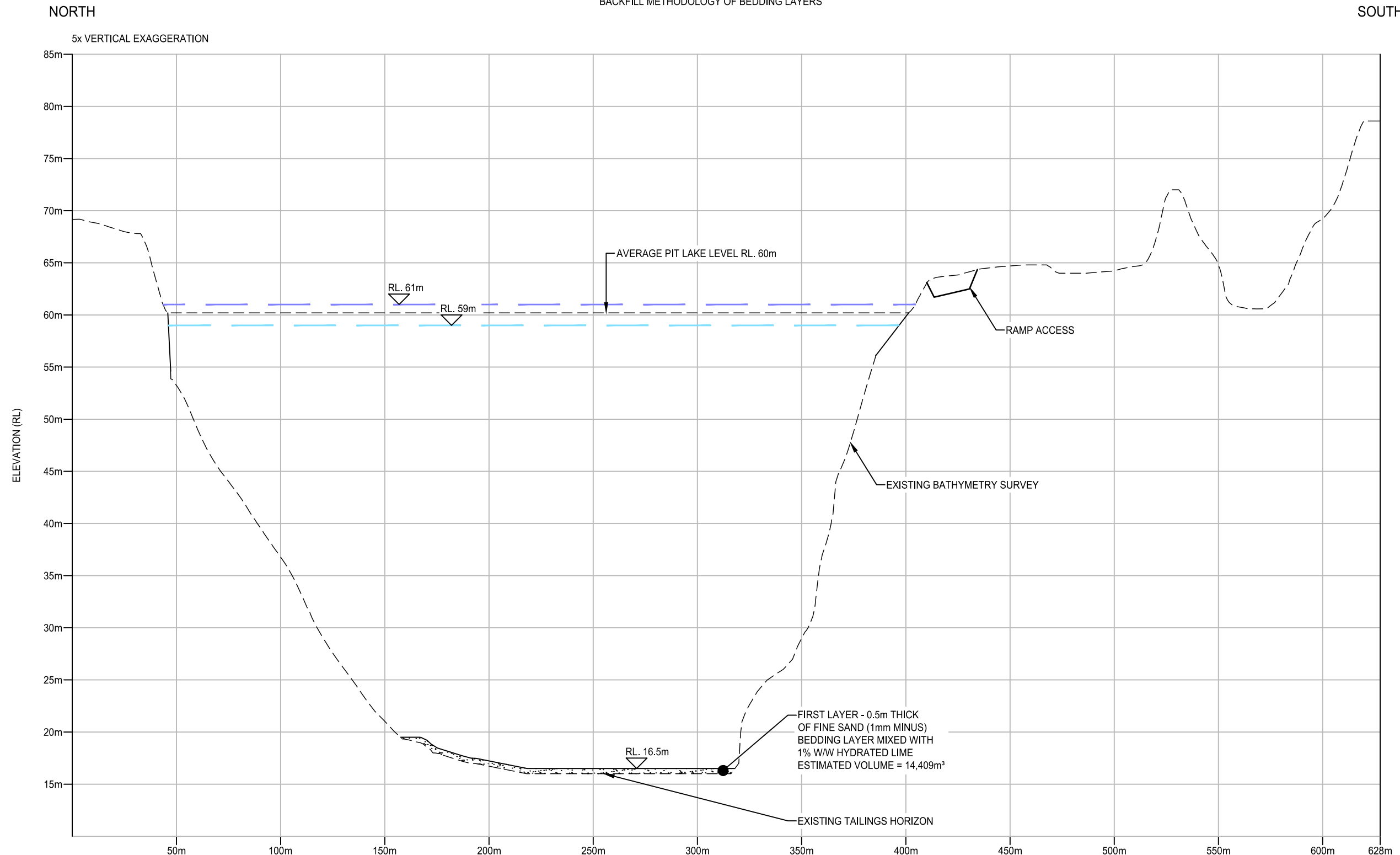
DRAWN J Mugford DATE: 12/06/2020	CHECKED D OToole/B Tarrant DATE: 12/06/2020
DESIGNED B Tarrant DATE: 12/06/2020	CHECKED D OToole DATE: 12/06/2020
DESIGN PROJECT LEADER D OToole DATE: 12/06/2020	NTG PROJECT MANAGER J Hartnett DATE: 12/06/2020



RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
MAIN PIT REHABILITATION SECTIONS				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
N/A	N/A	05 of 16	680.10421.MPS.D05	1
				SHEET SIZE A3

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 **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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

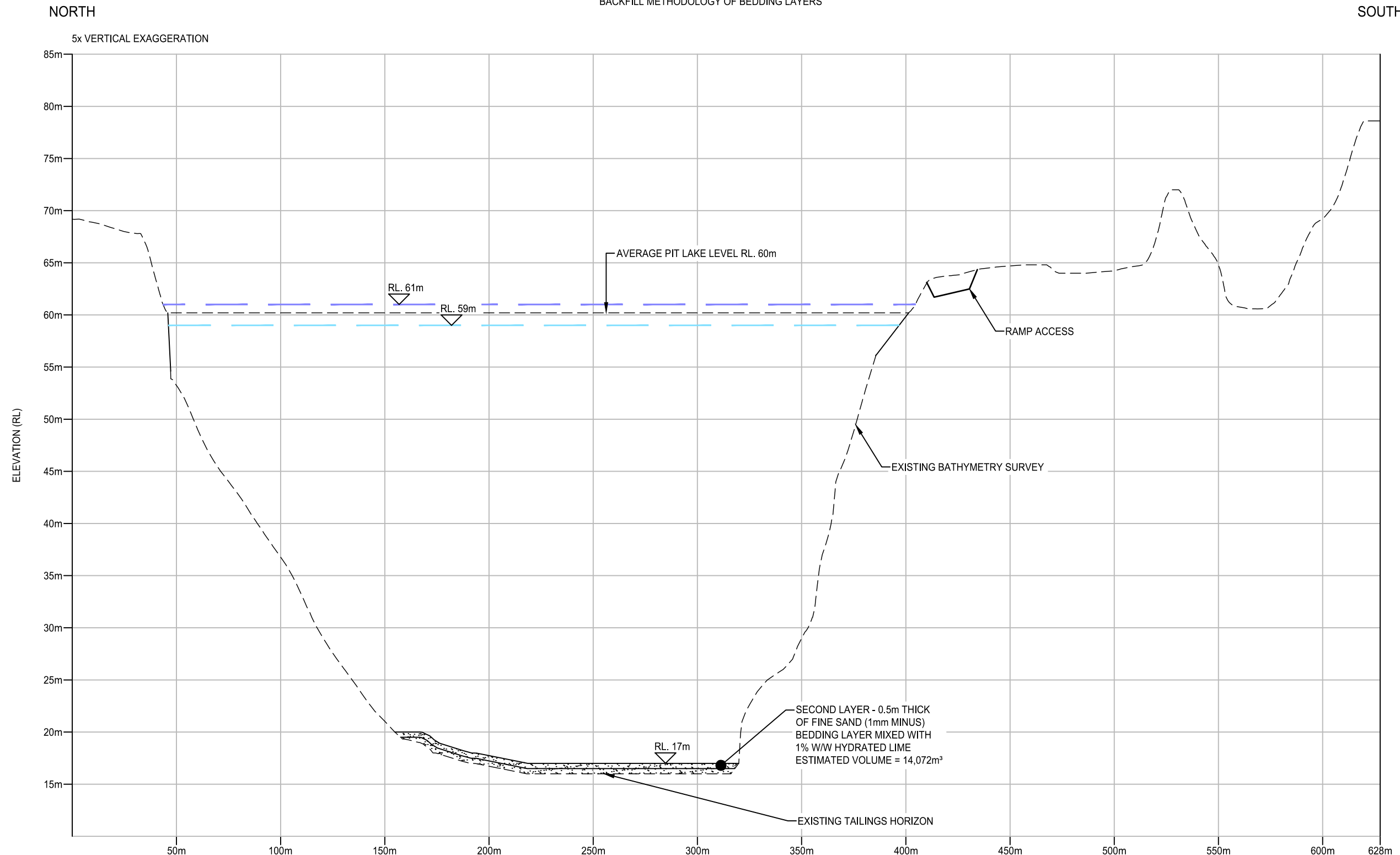
TYPICAL MAIN PIT BACKFILL SECTION
SHEET 1 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	06 OF 16	680.10421.MPS.D06	1	A3

Ver. Jan' 2020

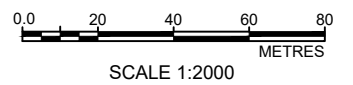
LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

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



B-B - LONGSECTION

SECTION **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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

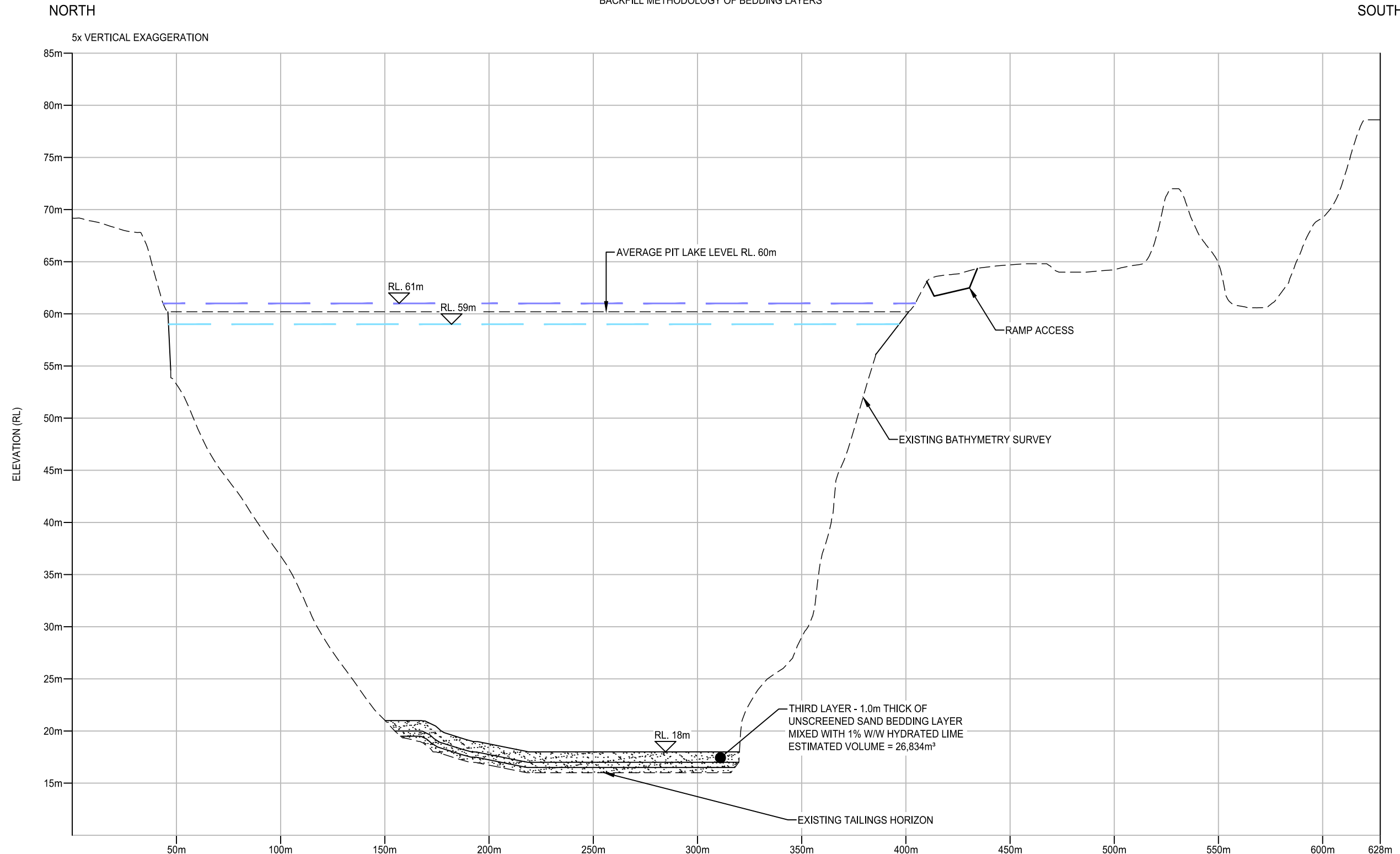
TYPICAL MAIN PIT BACKFILL SECTION
SHEET 2 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	07 OF 16	680.10421.MPS.D07	1	A3

Ver. Jan' 2020

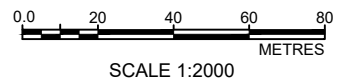
LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE

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



B-B - LONGSECTION

SECTION **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



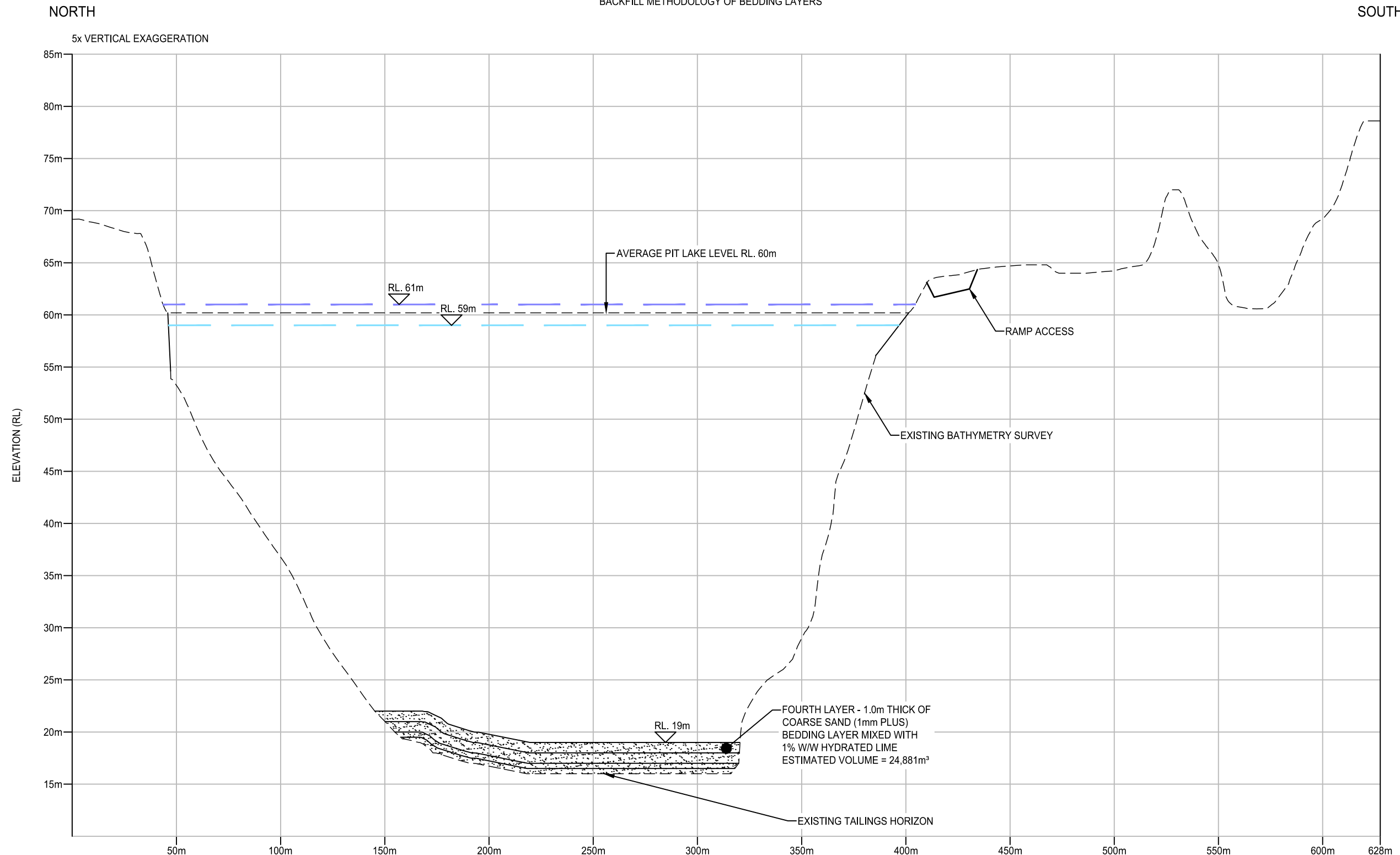
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

TYPICAL MAIN PIT BACKFILL SECTION
SHEET 3 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	08 of 16	680.10421.MPS.D08	1	A3

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 **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



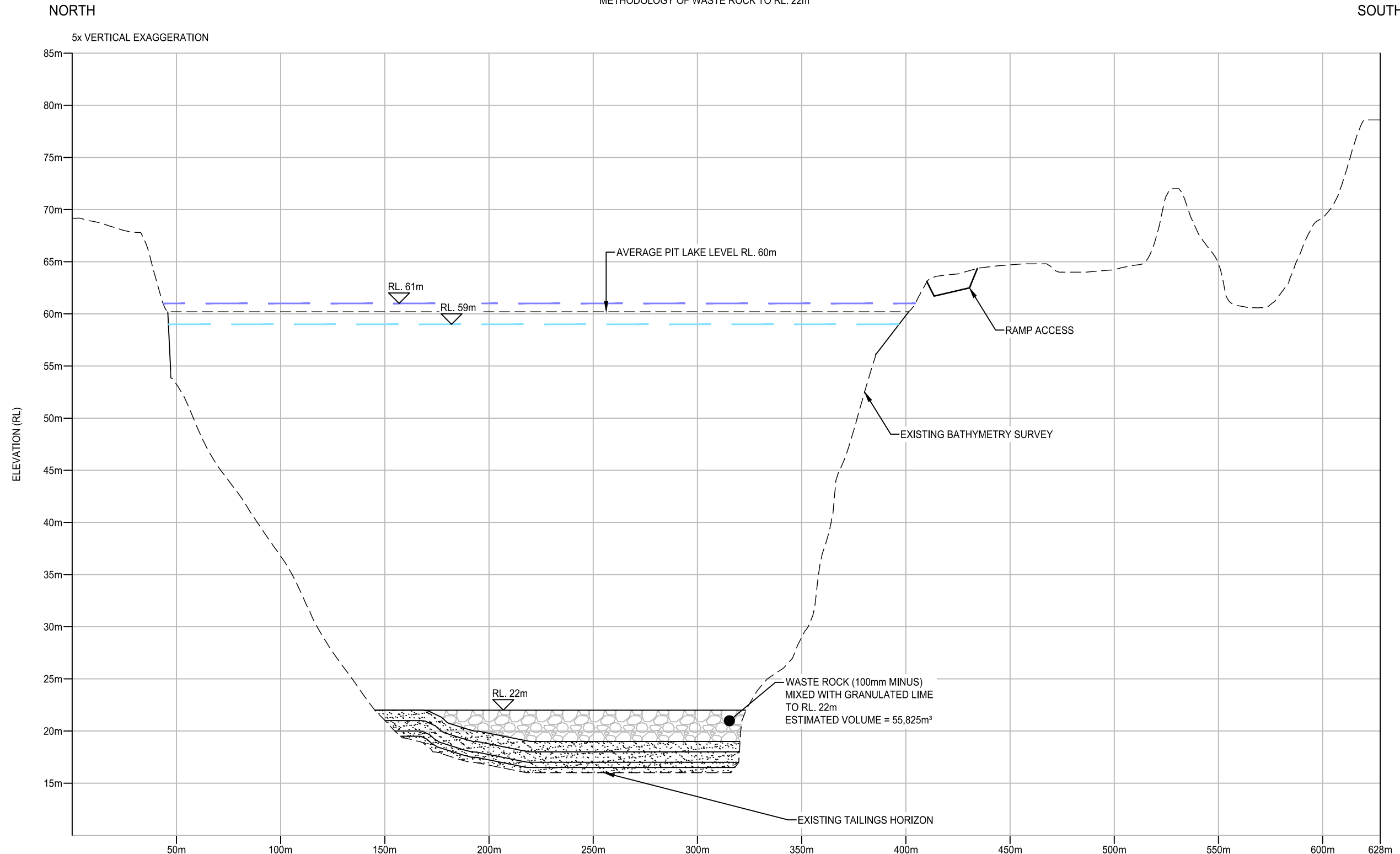
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

TYPICAL MAIN PIT BACKFILL SECTION
SHEET 4 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	09 OF 16	680.10421.MPS.D09	1	A3

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



B-B - LONGSECTION

SECTION **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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

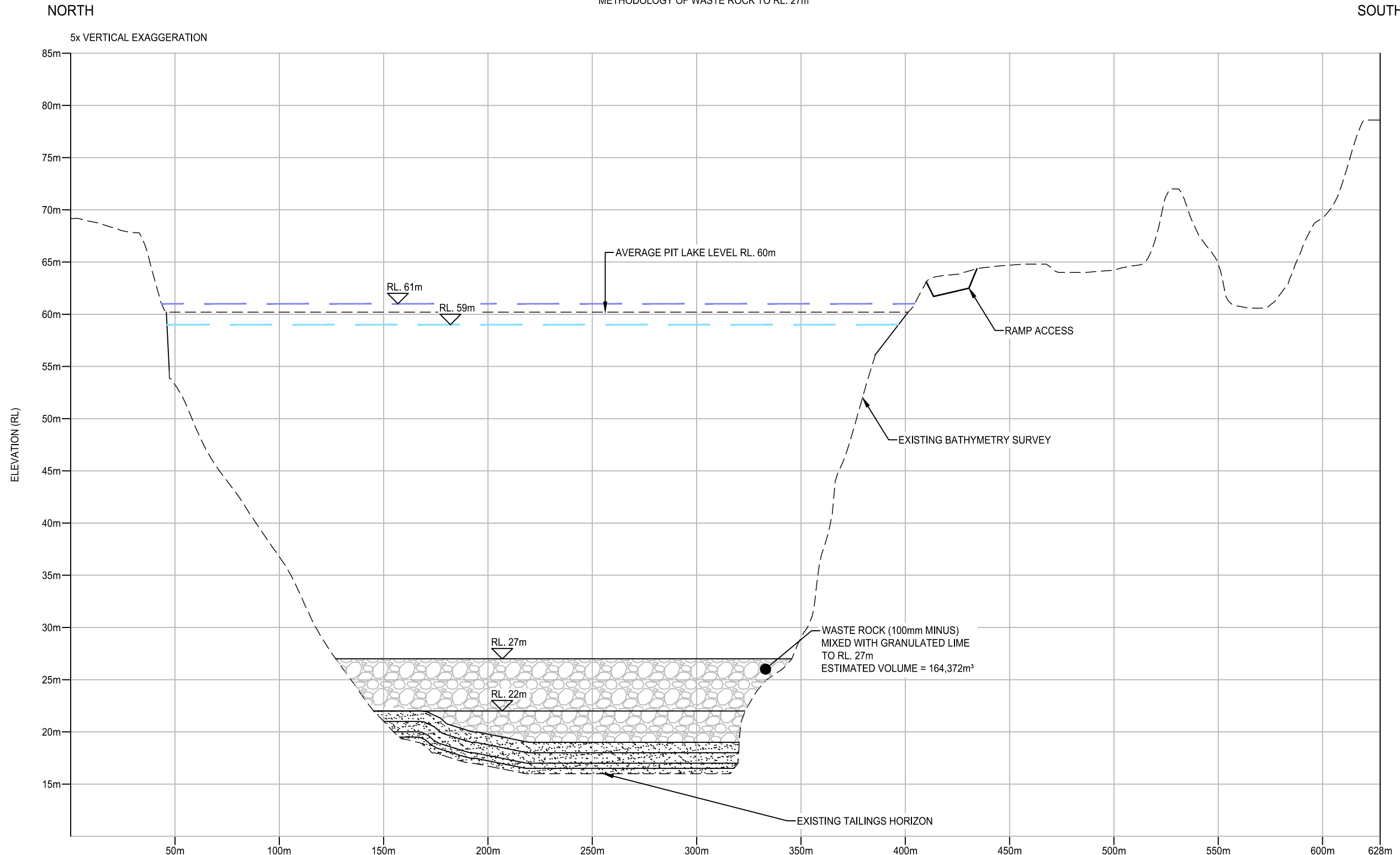
TYPICAL MAIN PIT BACKFILL SECTION
SHEET 5 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	10 OF 16	680.10421.MPS.D10	1	A3

Ver. Jan' 2020

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



B-B - LONGSECTION

SECTION **B**
SCALE 1:2000



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

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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



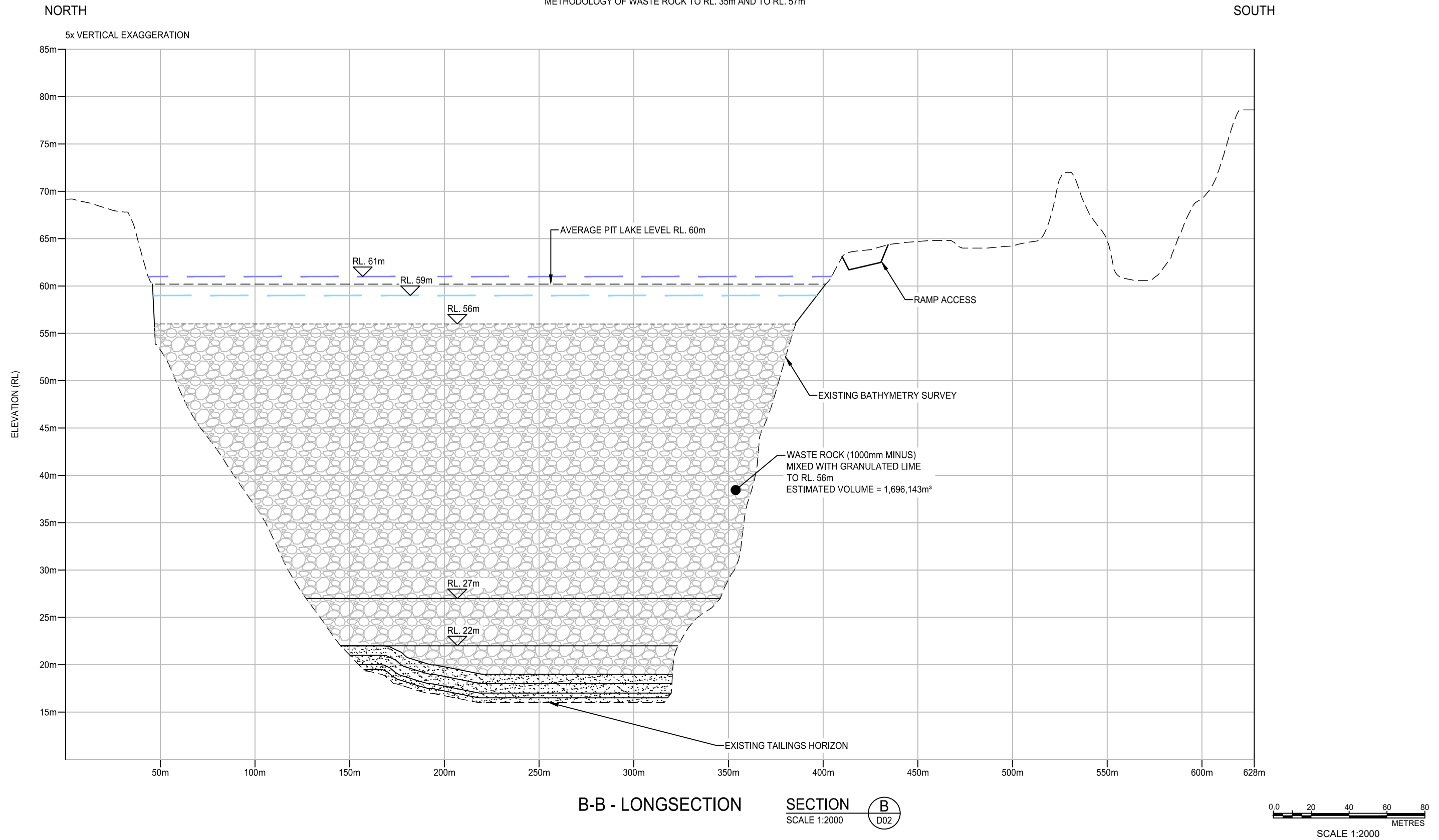
RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

TYPICAL MAIN PIT BACKFILL SECTIONS
SHEET 6 OF 8

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
N/A	N/A	11 OF 16	680.10421.MPS.D11	1	A3

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



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

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



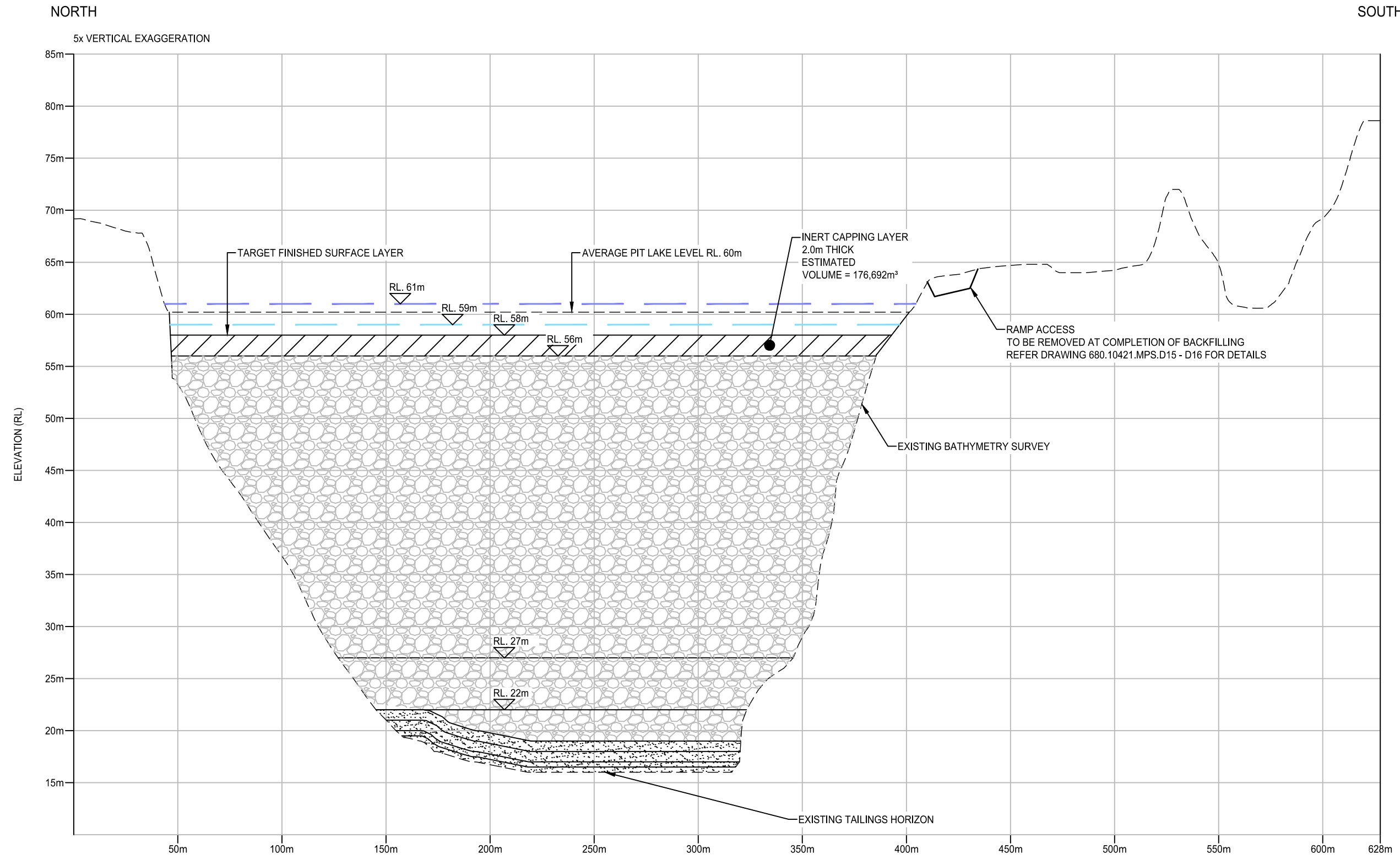
UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



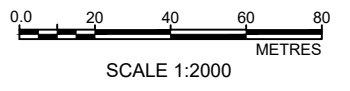
RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTION SHEET 7 OF 8				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
N/A	N/A	12 OF 16	680.10421.MPS.D12	1
				SHEET SIZE A3

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



B-B - LONGSECTION

SECTION **B**
SCALE 1:2000



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

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



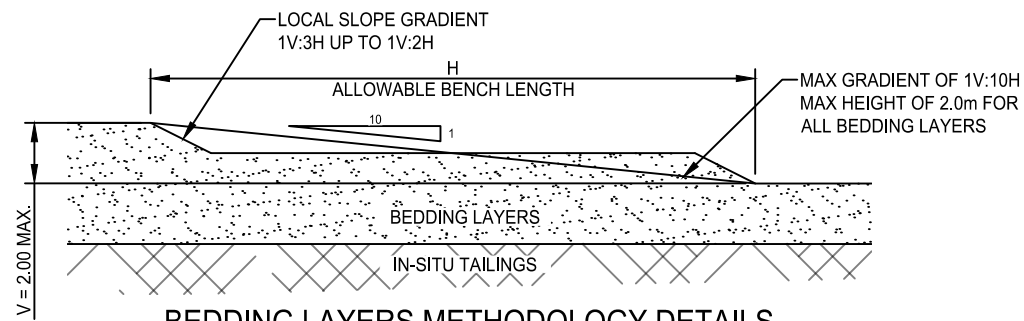
UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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



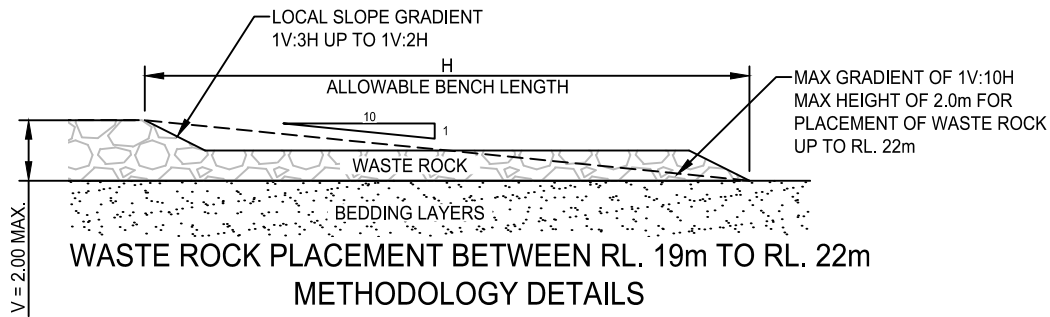
RUM JUNGLE REHABILITATION STAGE 2A DETAILED ENGINEERING DESIGN				
TYPICAL MAIN PIT BACKFILL SECTIONS SHEET 8 OF 8				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
N/A	N/A	13 OF 16	680.10421.MPS.D13	1
				SHEET SIZE A3

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



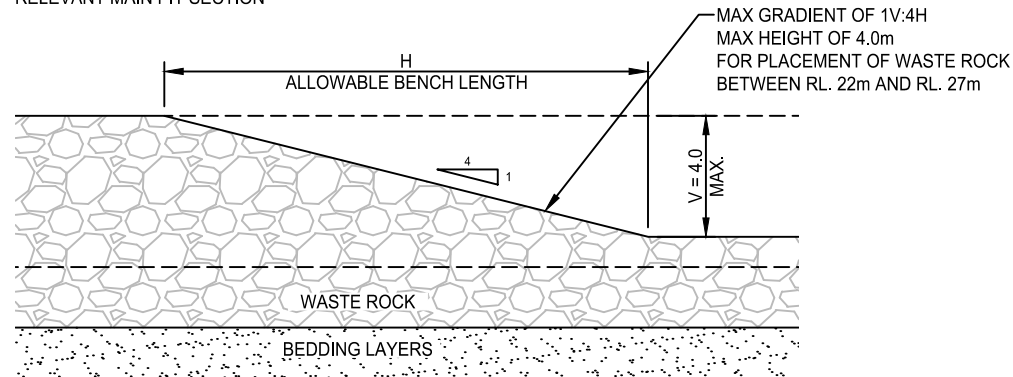
BEDDING LAYERS METHODOLOGY DETAILS
SCALE 1 : 250

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

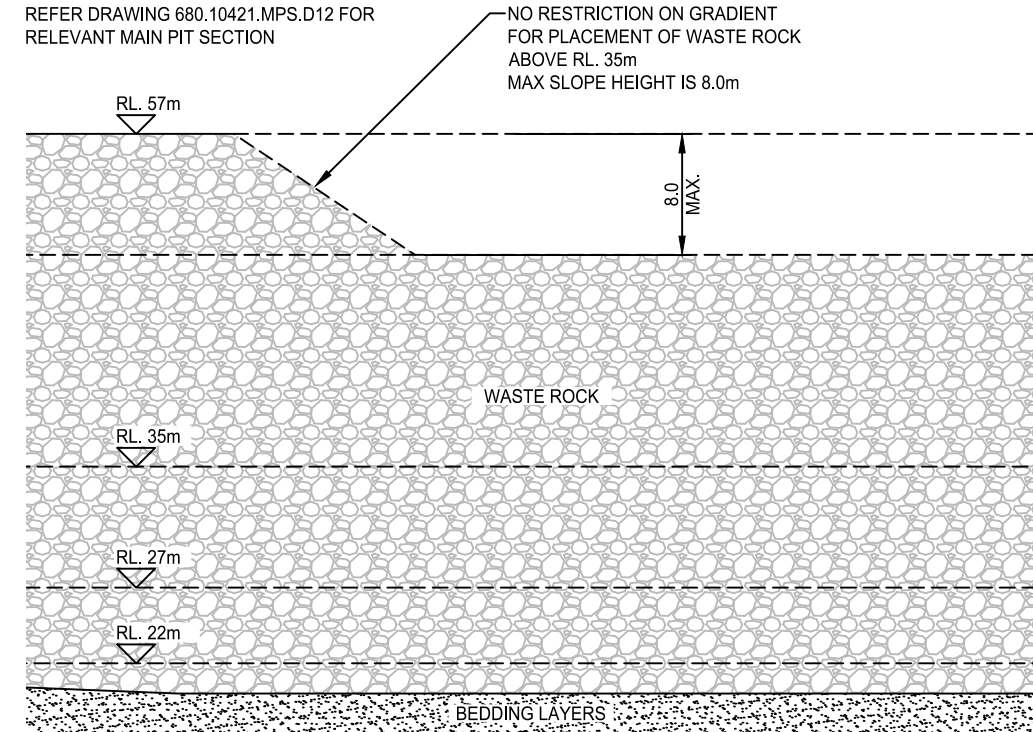
NOTE:
REFER DRAWING 680.10421.MPS.D11 FOR
RELEVANT MAIN PIT SECTION



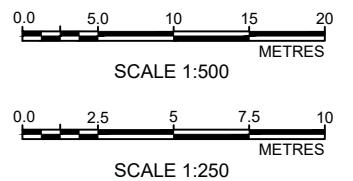
**WASTE ROCK PLACEMENT BETWEEN RL. 22m TO RL. 27m
METHODOLOGY DETAILS**
SCALE 1 : 250

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



PLOTTED ON: 12/06/2020 10:42 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



UNIT 5 / 21 PARAP ROAD
DARWIN
NT 0820
AUSTRALIA
T: 61 8 8998 0100
F: 61 8 8998 0101
www.slrconsulting.com

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

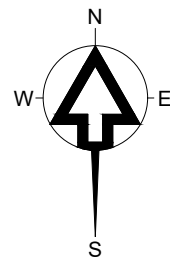


RUM JUNGLE REHABILITATION
STAGE 2A DETAILED ENGINEERING DESIGN

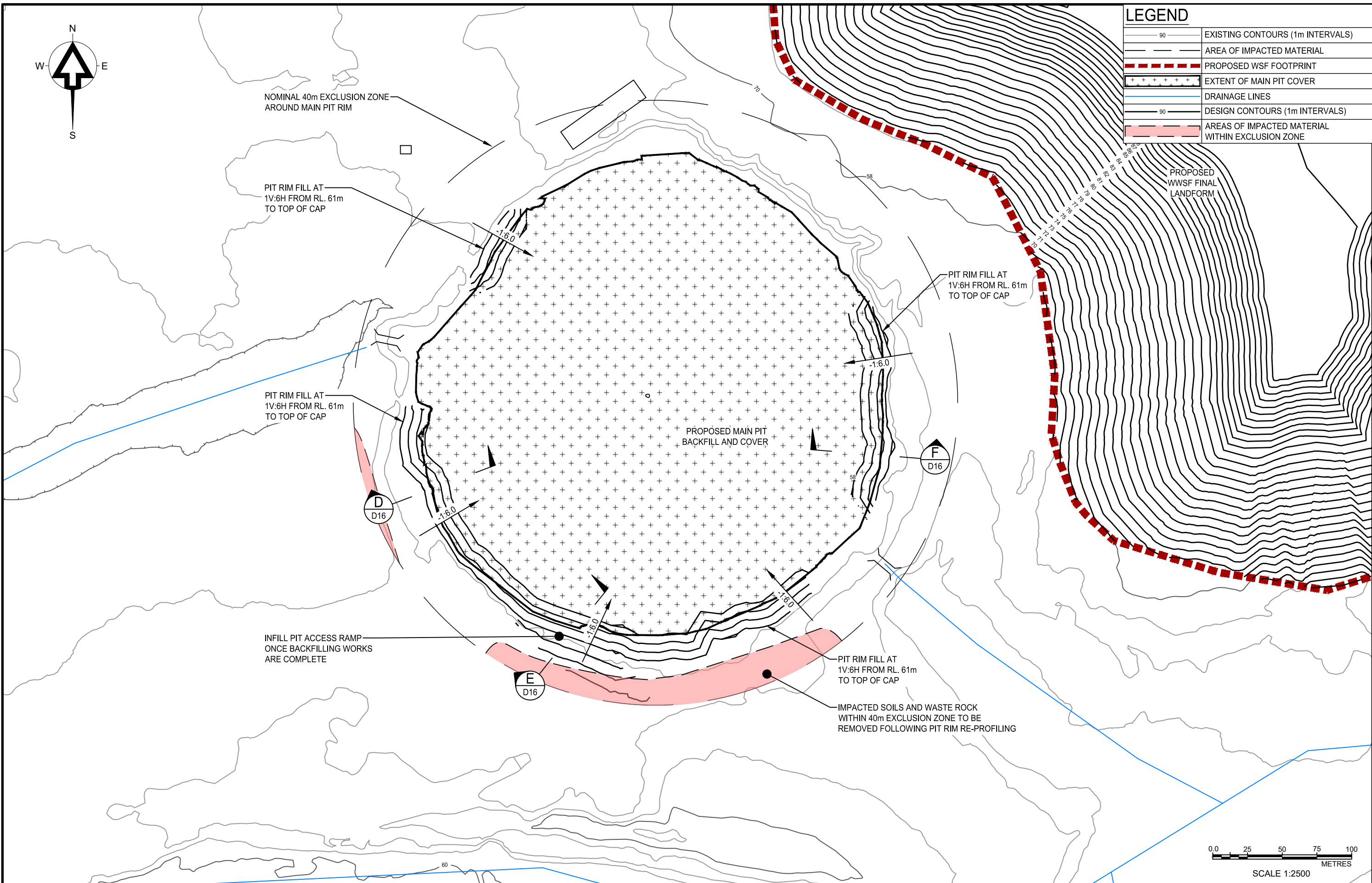
MAIN PIT BACKFILL METHODOLOGY DETAILS

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

Ver. Jan' 2020



LEGEND	
	EXISTING CONTOURS (1m INTERVALS)
	AREA OF IMPACTED MATERIAL
	PROPOSED WWSF FOOTPRINT
	EXTENT OF MAIN PIT COVER
	DRAINAGE LINES
	DESIGN CONTOURS (1m INTERVALS)
	AREAS OF IMPACTED MATERIAL WITHIN EXCLUSION ZONE



PLOTTED ON: 12/06/2020 10:42 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



UNIT 5 / 21 PARAP ROAD
 DARWIN
 NT 0820
 AUSTRALIA
 T: 61 8 8998 0100
 F: 61 8 8998 0101
 www.slrconsulting.com

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



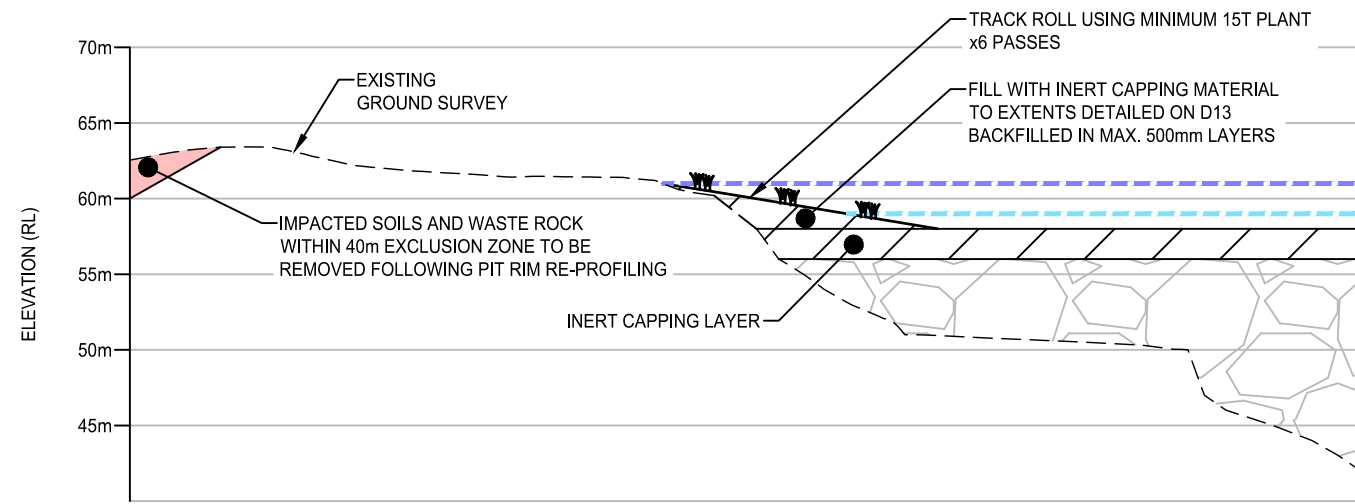
Northern Territory Government

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

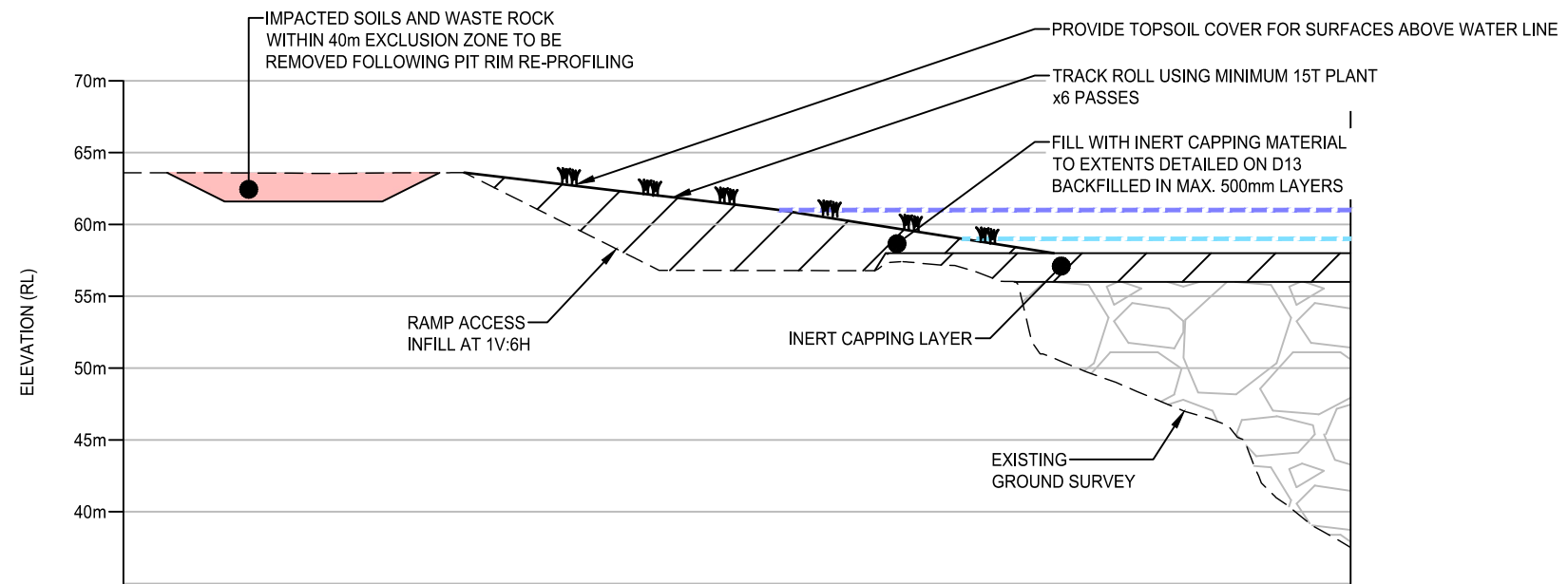
Ver. Jan' 2020

PLOTTED ON: 12/06/2020 10:42 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

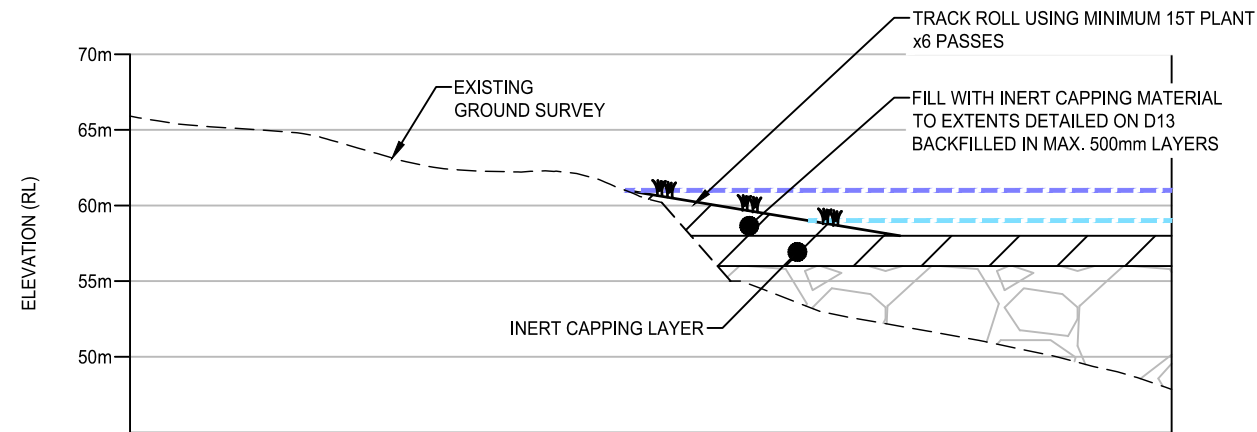
LEGEND	
	EXISTING SURVEY PROFILE
	TOP WATER LEVEL - DRY SEASON
	TOP WATER LEVEL - WET SEASON
	DESIGN PROFILE
	AREAS OF IMPACTED MATERIALS WITHIN EXCLUSION ZONE



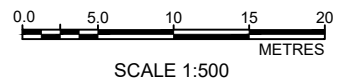
D - D - SECTION SECTION **D**
 SCALE 1:500 D15



E - E - SECTION SECTION **E**
 SCALE 1:500 D15



F - F - SECTION SECTION **F**
 SCALE 1:500 D15



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



UNIT 5 / 21 PARAP ROAD
 DARWIN
 NT 0820
 AUSTRALIA
 T: 61 8 8998 0100
 F: 61 8 8998 0101
 www.slrconsulting.com

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				
RE-PROFILING INFILL - TYPICAL SECTIONS				
NTG PROJECT No. N/A	NTG ASSET No. N/A	SHEET No. 16 of 16	NTG DRAWING No. 680.10421.MPS.D16	AMENDMENT 1
				SHEET SIZE A3