Attachment 1

Revised WBCWRR Project Plans

Prepared by Senversa

West Burleigh Construction Waste and Resource Recovery Project

Schedule of Project Plans

Drawing Title	Author	Date	Drawing No.	Rev
Cover Sheet	Senversa	23/10/25	001	3
Master Plan	Senversa	23/10/25	002	3
Existing Site Conditions Plan	Senversa	20/03/25	003	3
Concept Quarry Put Layout Plan	Senversa	23/10/25	004	3
Concept Groundwater System Layout	Senversa	23/10/25	005	3
Concept Landfill Base Layout Plan	Senversa	23/10/25	006	3
Concept Landfill Leachate Collection Layout Plan	Senversa	23/10/25	007	3
Concept Passive Landfill Gas Collection System	Senversa	23/10/25	008	3
Concept Final Landfill Layout	Senversa	23/10/25	009	3
Set-Back Layout	Senversa	23/10/25	010	3
Profiles – Sheet 1	Senversa	23/10/25	020	3
Profiles – Sheet 2	Senversa	23/10/25	021	3
Profiles – Sheet 3	Senversa	23/10/25	022	3
Profiles – Sheet 4	Senversa	23/10/25	023	3
Detail Sheet 1	Senversa	23/10/25	024	3
Detail Sheet 2	Senversa	23/10/25	025	3
Detail Sheet 3	Senversa	23/10/25	026	3
Detail Sheet 4	Senversa	23/10/25	027	3
Detail Sheet 5	Senversa	23/10/25	028	3
Stage Construction Step 1	Senversa	23/10/25	030	3
Stage Construction Step 2	Senversa	23/10/25	031	3

Stage Construction Step 3	Senversa	23/10/25	032	3
Stage Construction Step 4	Senversa	23/10/25	033	3
Stage Construction Step 5	Senversa	23/10/25	034	3
Stage Construction Step 6	Senversa	23/10/25	035	3
Stage Construction Step 7	Senversa	23/10/25	036	3
Stage Construction Step 8	Senversa	23/10/25	037	3
Stage Construction Step 9	Senversa	23/10/25	038	3
Stage Construction Step 10	Senversa	23/10/25	039	3
Stage Construction Step 11	Senversa	23/10/25	040	3
Stage Construction Step 12	Senversa	23/10/25	041	3
Resource Recovery General Layout	Senversa	23/10/25	050	3
Resource Recovery Center General Elevations	Senversa	23/10/25	051	3
Leachate Pond Layout and Sections	Senversa	23/10/2025	060	3
Landfill Gas and Leachate Treatment Compound	Senversa	23/10/2025	061	3
Northern Sediment Basin Layout and Sections	Senversa	23/10/2025	070	3
Eastern Sediment Basin Stage 1 – Layout and Sections	Senversa	23/10/2025	071	3
Eastern Sediment Basin Final – Layout and Sections	Senversa	23/10/2025	072	3
Layout Plan	Entegra	18/12/2024	A01	A
Elevations	Entegra	18/12/2024	A02	A
West Burleigh Quarry Site **Buildings Administration Building General Arrangement**	Boral	21/11/2020	QRS-G-GA-201-02	A
20250625 Generic Site Layout BV300 GA	Beneterra	27/06/2025	SRC.01.SP.01	0
BV300-A04-ASSY-BV300TLA-REV1	Beneterra	18/07/2025	A000	1

WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

KEY MAP (NOT TOT SCALE)

DRAWING LIST

MATERIAL LIST

- UNIT 01 - GENERAL FILL
- UNIT 02 - SELECT FILL
- UNIT 03 - PAVEMENT MATERIAL
- UNIT 10 - GEOSYNTHETIC CLAY LINER
- UNIT 11 - 2 mm HDPE GEOMEMBRANE
- UNIT 12 - CUSHION GEOTEXTILE
- UNIT 13 - SEPARATION GEOTEXTILE
- UNIT 14 - DRAINAGE GEOCOMPOSITE
- UNIT 20 - SAND PROTECTION LAYER
- UNIT 21 - DRAINAGE AGGREGATE
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER
- UNIT 30 - ROCK PROTECTION
- C — UNIT 31 - CULVERTS
- UNIT 40 - CONCRETE
- \ — UNIT 41 - FENCING
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- UNIT 51 - PASSIVE LANDFILL GAS PANEL DRAINS
- GAS — UNIT 52 - PASSIVE LANDFILL GAS VENT
- UNIT 53 - 2 mm LLDPE GEOMEMBRANE
- UNIT 54 - GEOGRID REINFORCEMENT
- UNIT 55 - COVER SOIL
- UNIT 56 - TOPSOIL
- UNIT 57 - VEGETATION

REFERENCES

1. AERIAL IMAGERY DATED 04 OCTOBER 2024 SOURCED SOURCED WITH PERMISSION FROM www.nearmap.com.au.
2. CADASTRAL BOUNDARIES SOURCED WITH PERMISSION FROM ©The State of Queensland 2024 (https://qldspatial.information.qld.gov.au/)
3. INDICATIVE FUTURE RAIL CORRIDOR FROM QUEENSLAND GOVERNMENT DAMS DSISP WEBSITE: https://dams.dsdip.esriaustraliaonline.com.au/damappingsystem/ (IMAGE APPROXIMATELY ALIGNED TO SUIT SITE BOUNDARY AND DIGITISED WITH OFFSET FOR CONSERVATIVE ALIGNMENT)
4. EXISTING SITE SURVEY INFORMATION SUPPLIED BY BORAL IN FILE: pqb47f587e-3D_model.dxf, DATED 2024 MARCH 01
5. REGIONAL SURFACE CONTOURS GENERATED FROM INFORMATION SOURCED FROM GEOSCIENCE AUSTRALIA (https://elevation.fsdf.org.au/) IN ACCORDANCE WITH THE CREATIVE COMMONS 4.0 LICENCE TERMS (https://creativecommons.org/). © COMMONWEALTH OF AUSTRALIA (GEOSCIENCE AUSTRALIA) 2021.
6. PIT EXPANSION SUPPLIED BY BORAL, DATED: 15 AUG 2025 FILE: WBQ_TERMINAL_DIG_FULL_VOID_2508_RL-108_V5_GDA94.dxf
7. MASTER PLAN INFRASTRUCTURE SHOWN FROM INFORMATION PROVIDED ON 28 NOVEMBER 2024 IN ARCADIS FILE: 30170514-DAXA-AA00OP-CV-XRF-DE-DesignBaseWestBurleigh.dwg

NOTES

1. GENERAL NOTES APPLY TO ALL DRAWINGS IN THIS PROJECT SET UNLESS CLEARLY SPECIFIED OTHERWISE.
2. DRAWINGS SHALL BE USED IN CONJUNCTION AND ACCORDANCE WITH ALL RELATED TECHNICAL DOCUMENTATION AND SPECIFICATIONS.
3. ALL LEVELS ARE REFERENCED IN METRES TO AUSTRALIAN HEIGHT DATUM (m AHD).
4. ALL CO-ORDINATES ARE REFERENCED IN METRES TO AHD / MGA '94 ZONE 56.
5. ALL DIMENSIONS ARE IN METRIC UNITS, AS SPECIFIED.
6. CONTRACTOR IS RESPONSIBLE FOR ON-SITE VERIFICATION OF EXISTING STRUCTURES, INCLUDING LOCATIONS AND DIMENSIONS, PRIOR TO COMMENCEMENT OF WORKS.
7. CONTRACTOR IS RESPONSIBLE FOR ON-SITE VERIFICATION OF ALL EXISTING UTILITIES AND SERVICES, INCLUDING LOCATIONS AND DEPTHS, PRIOR TO COMMENCEMENT OF WORKS.
8. DIMENSIONS SHALL NOT BE SCALED FROM DRAWINGS.
9. ALL DRAWINGS MUST BE PRINTED IN COLOUR TO CORRECTLY IDENTIFY ALL FEATURES.
10. THE DESIGN INFORMATION PROVIDED IN THESE DRAWINGS HAS BEEN PREPARED USING FILES AND INFORMATION FROM EXTERNAL PROVIDERS. SENVERSA CANNOT GUARANTEE THE ACCURACY OF THE EXTERNALLY PROVIDED INFORMATION UTILISED TO GENERATE THIS DESIGN.
11. AERIAL IMAGERY, WHERE DISPLAYED, IS APPROXIMATE AND INTENDED FOR INDICATIVE PURPOSES ONLY. IT SHALL NOT BE CONSIDERED AS A VALID SOURCE OF CURRENT SITE CONDITIONS.

STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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CLIENT
BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

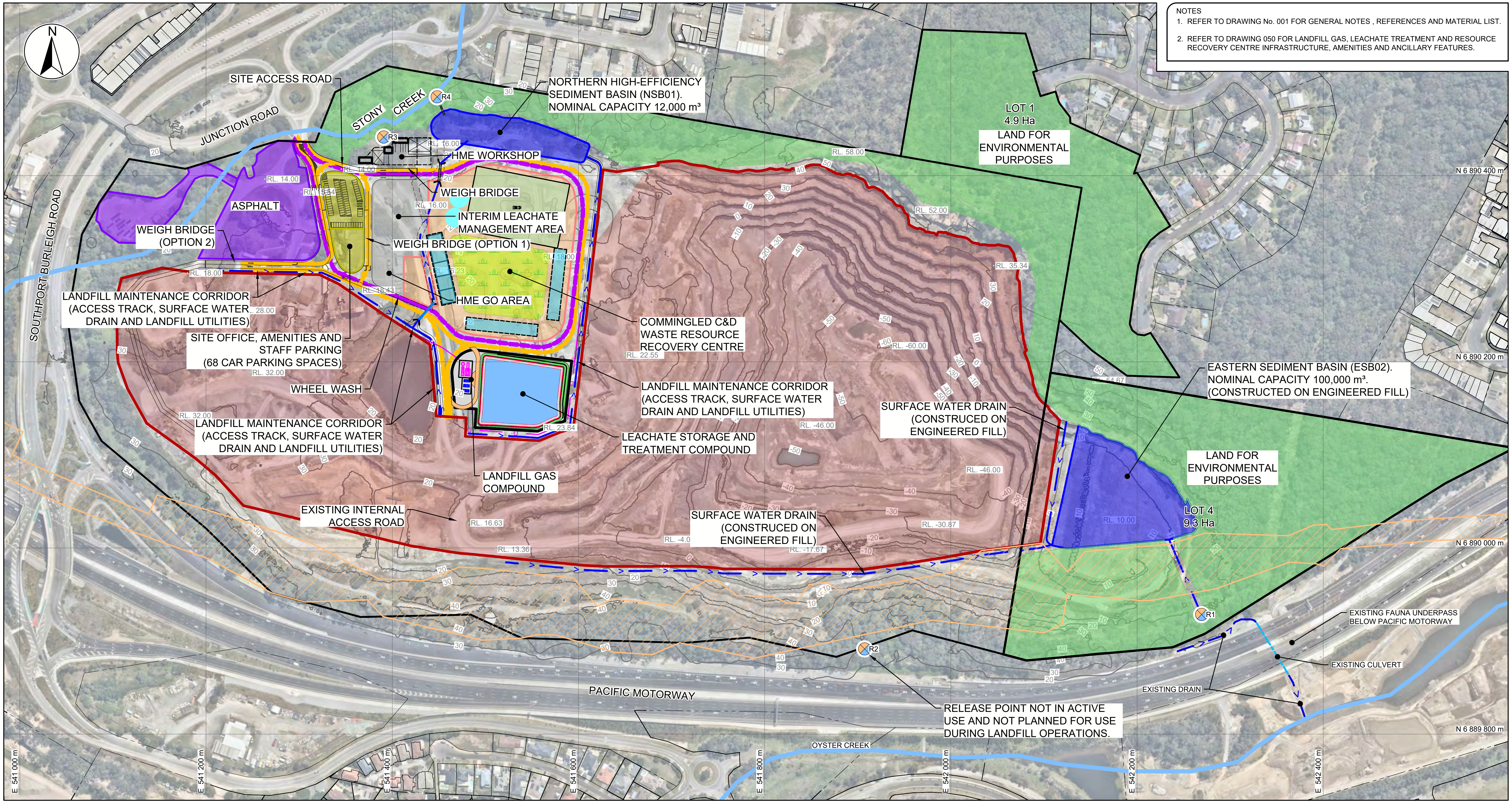
DRAWING TITLE
COVER SHEET

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 001 | REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_001.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING

SITE BOUNDARY
PARCEL BOUNDARIES
INDICATIVE MAPPED FUTURE RAIL CORRIDOR
APPROXIMATE ALIGNMENT OF EXISTING CREEKS
EXISTING SITE CONTOURS (10 m INTERVALS)

CURRENT APPROVED RELEASE POINTS EPPR00810513

R1 RELEASE POINTS

RELEASE POINTS No.	EASTING (m)	NORTHING (m)
R1 - RELEASE POINT 1	542269.30	6889928.52
R2 - RELEASE POINT 2	541907.33	6889891.57
R3 - RELEASE POINT 3	541390.73	6890441.40
R4 - RELEASE POINT 4	541448.14	6890484.63

LEGEND - LANDFILL

STORMWATER DRAIN

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
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AHD / MGA '94 ZONE 56

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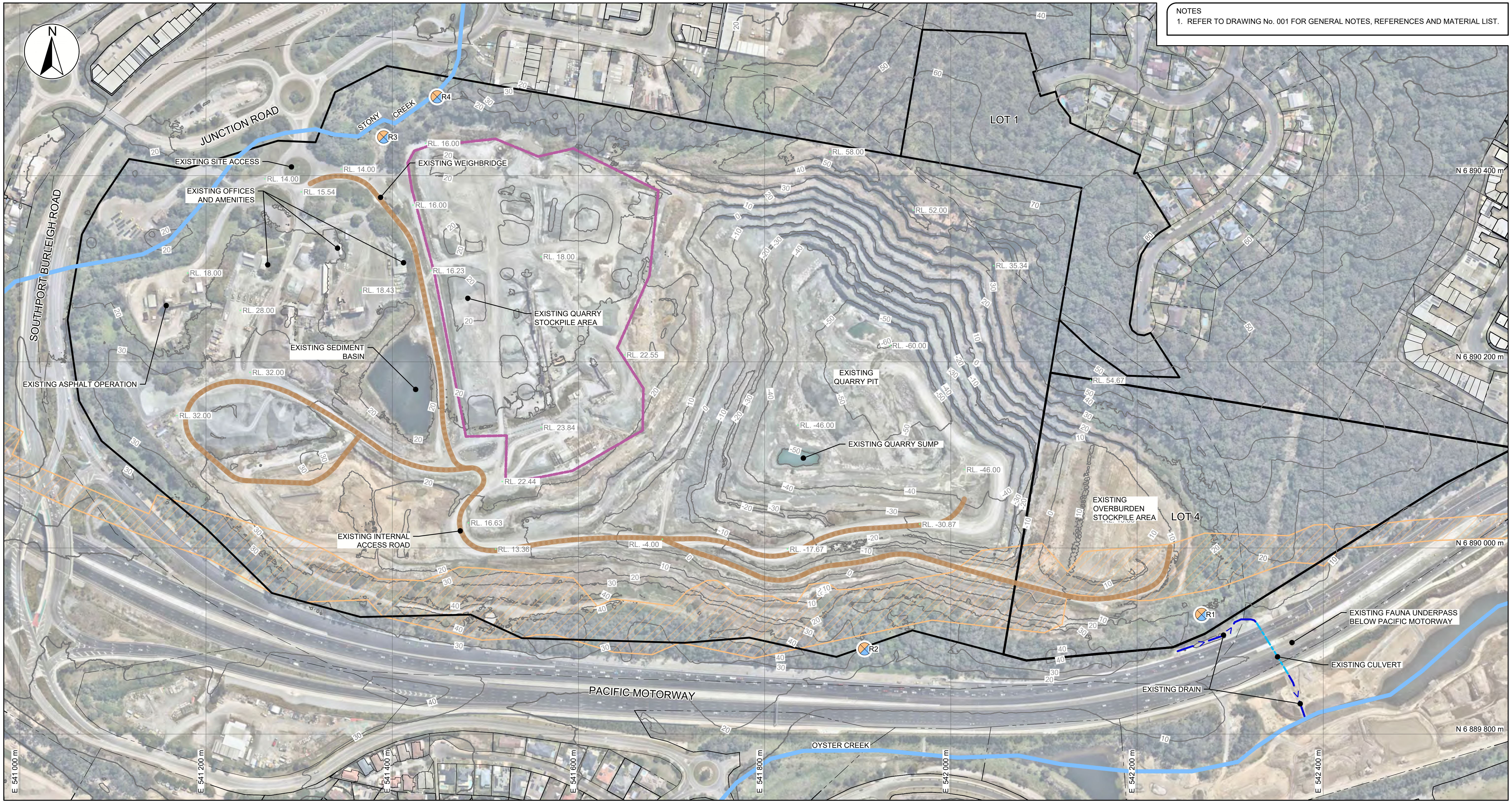
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
MASTER PLAN

PROJECT No. **21365** DELIVERABLE No. **008** DRAWING No. **002** REV **3**

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_002.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



LEGEND - EXISTING

- EXISTING SITE CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- SITE BOUNDARY
- INDICATIVE MAPPED FUTURE RAIL CORRIDOR
- PARCEL BOUNDARIES
- EXISTING INTERNAL ACCESS ROADS
- EXISTING QUARRY PROCESSING AREA
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810523

R1 RELEASE POINTS

RELEASE POINTS No.	EASTING (m)	NORTHING (m)
R1 - RELEASE POINT 1	542269.30	6889928.52
R2 - RELEASE POINT 2	541907.33	6889891.57
R3 - RELEASE POINT 3	541390.73	6890441.40
R4 - RELEASE POINT 4	541448.14	6890484.63

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

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AHD / MGA '94 ZONE 56

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PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
EXISTING SITE CONDITIONS PLAN

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 003 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_004.dwg

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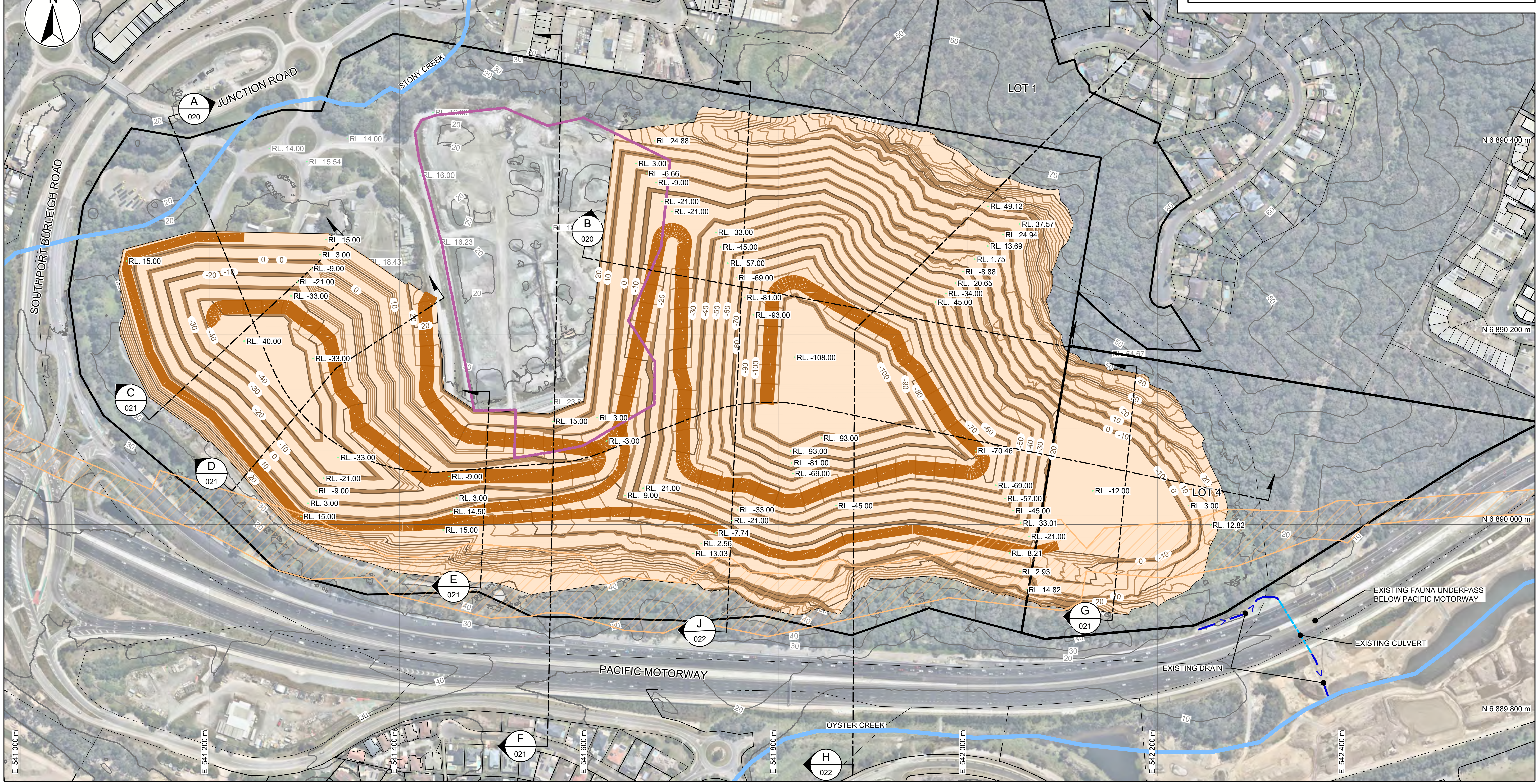
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING QUARRY PROCESSING AREA
- EXISTING SITE SURVEY CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY HAUL ROADS

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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AHD / MGA '94 ZONE 56
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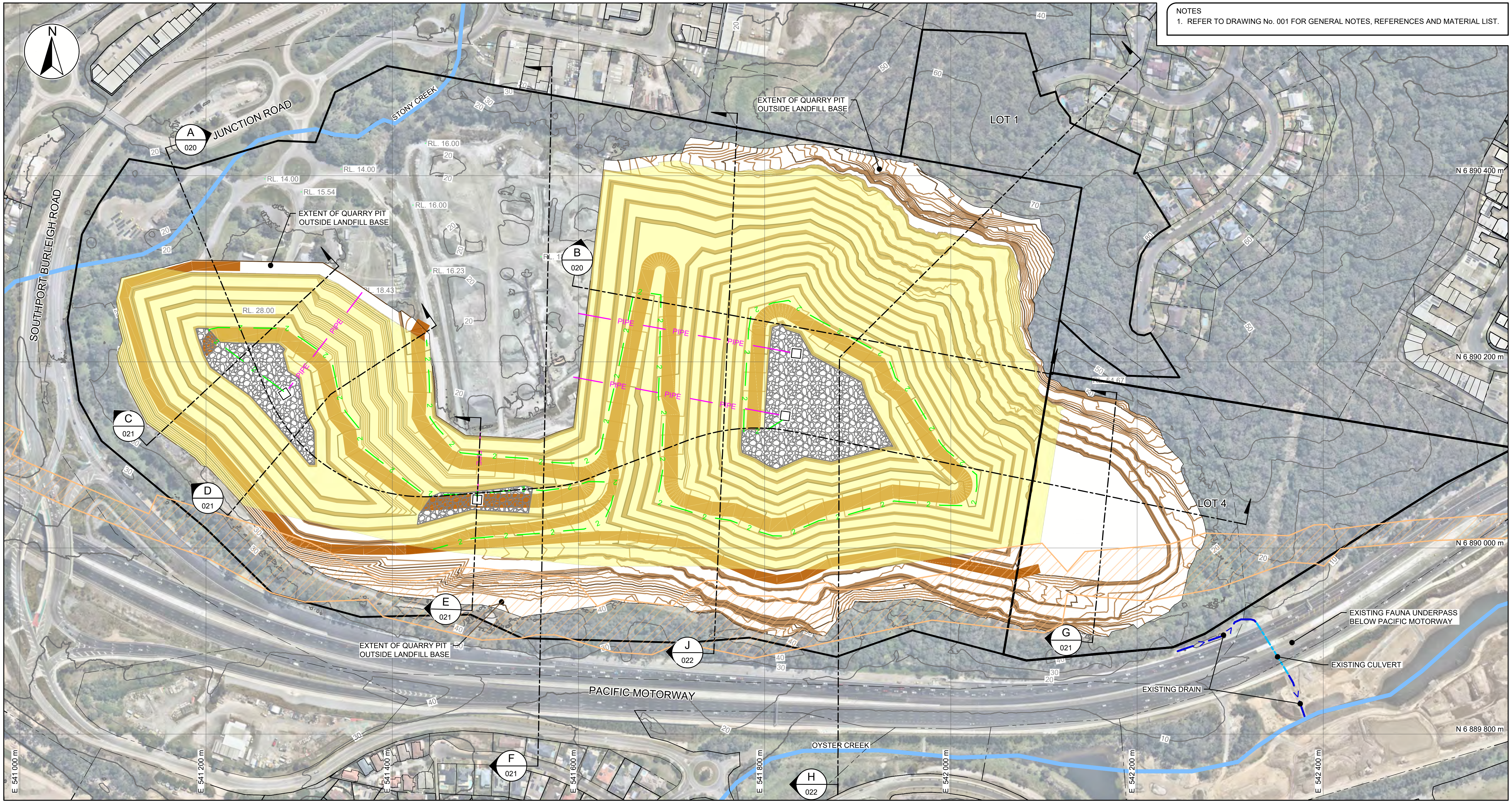
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
CONCEPT QUARRY PIT LAYOUT PLAN

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 004 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_005.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



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LEGEND - EXISTING

- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE SURVEY CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION

- QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)
- INTERNAL QUARRY HAUL ROADS

LEGEND - GROUNDWATER SYSTEM

- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 2 UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE UNIT 24 - DN630 SUMP RISER
- SUMP LOCATIONS

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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AHD / MGA '94 ZONE 56

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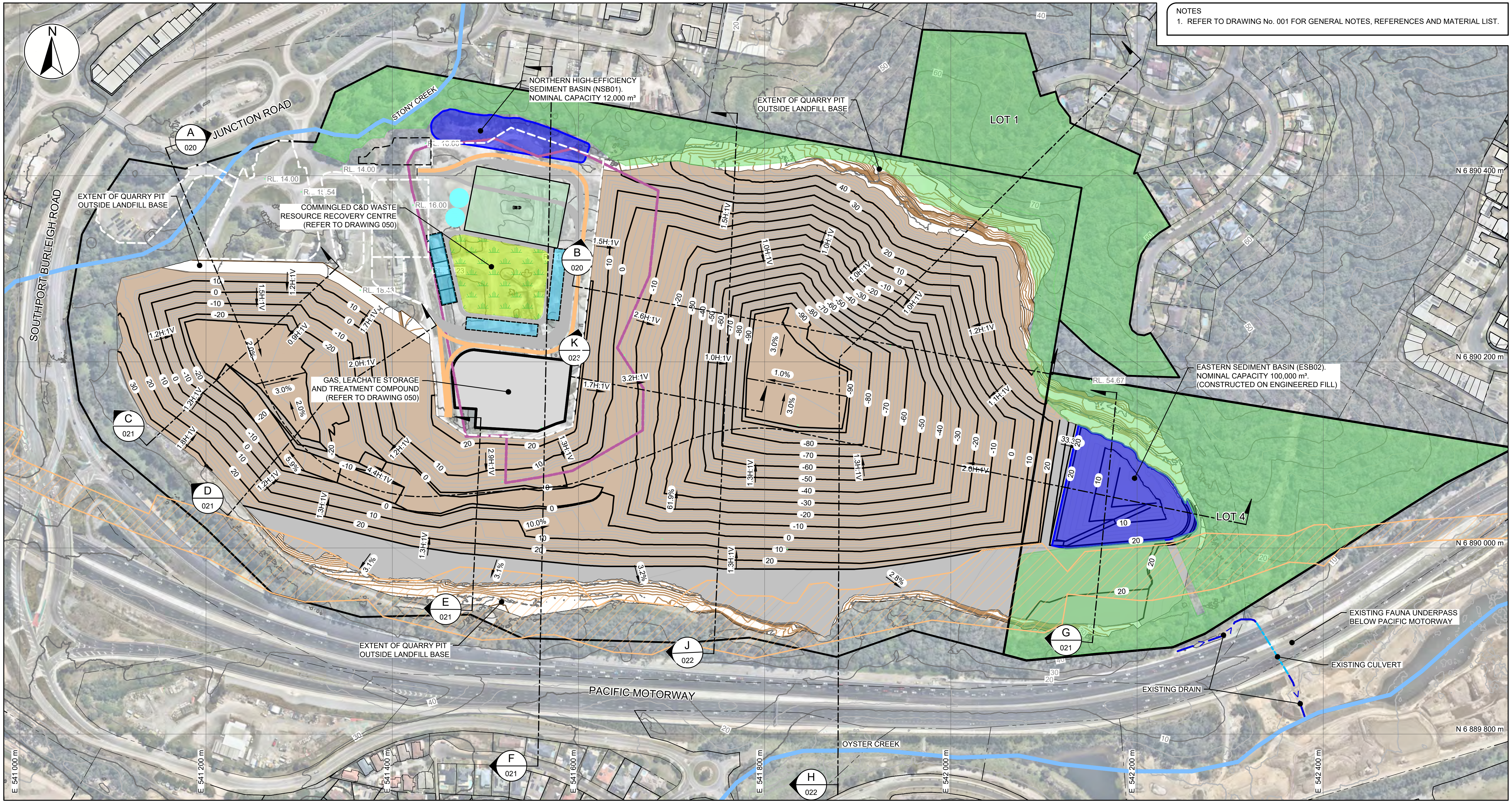
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
CONCEPT GROUNDWATER SYSTEM LAYOUT

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 005 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_006.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



LEGEND - EXISTING	
	SITE BOUNDARY
	PARCEL BOUNDARIES
	INDICATIVE FUTURE RAIL CORRIDOR
	EXISTING QUARRY PROCESSING AREA
	EXISTING SITE SURVEY CONTOURS (10 m INTERVALS)
	EXISTING REGIONAL CONTOURS (10 m INTERVALS)
	APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION	
	QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)

LEGEND - MASTERPLAN	
	MASTERPLAN WORKS EXTENT (REFER TO DRAWING 002)

LEGEND - LANDFILL BASE	
	LANDFILL BASE CONTOURS (2 m INTERVALS)
	EXTENT OF BASELINER
	EXTENT OF GENERAL FILL (RAIL CORRIDOR AND LOT 4 LAND FOR ENVIRONMENTAL PURPOSES)

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION: AHD / MGA '94 ZONE 56
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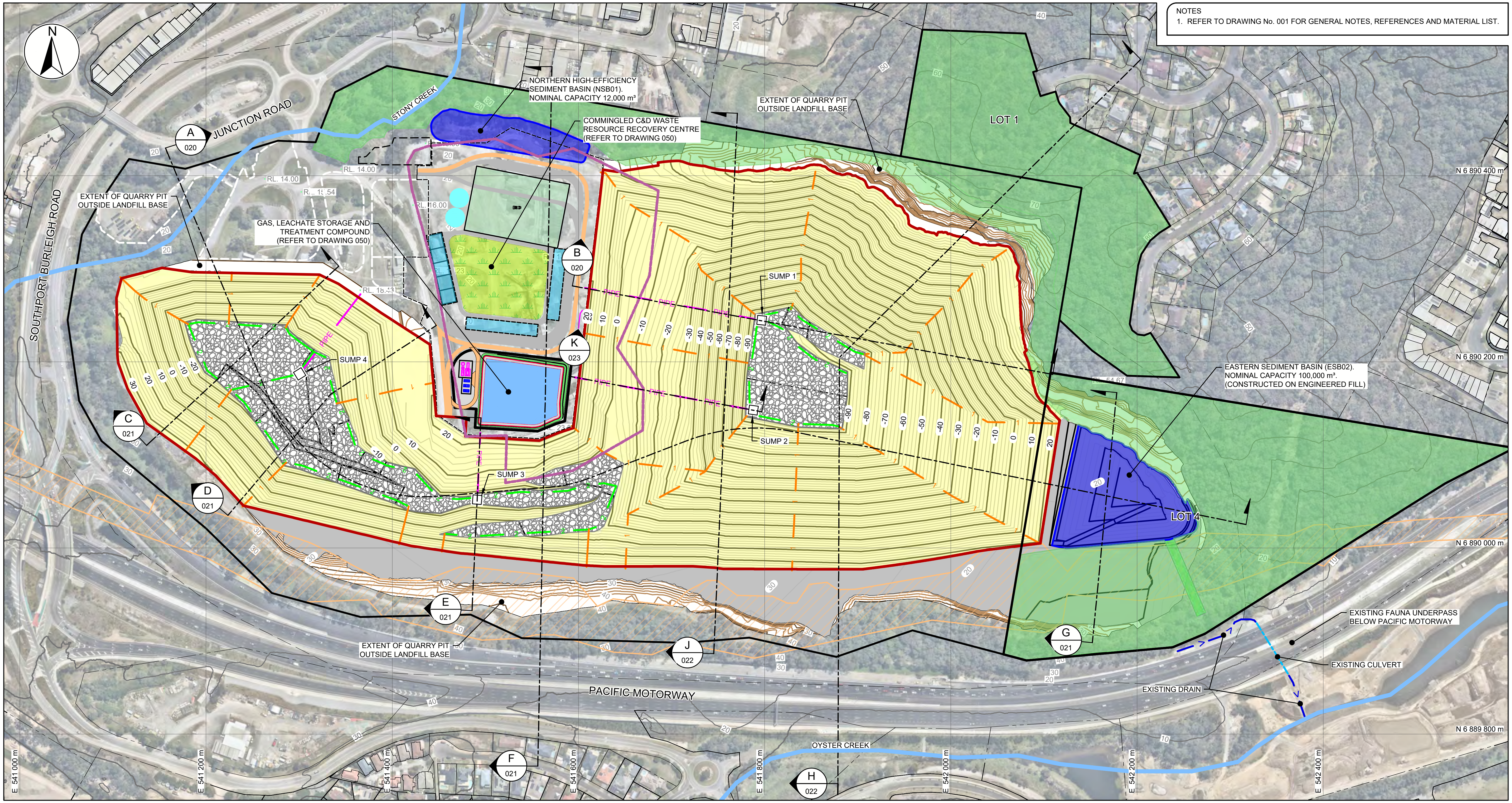
PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

DRAWING TITLE: CONCEPT LANDFILL BASE LAYOUT PLAN

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 006 | REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_007.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



LEGEND - EXISTING
SITE BOUNDARY
PARCEL BOUNDARIES
INDICATIVE FUTURE RAIL CORRIDOR
EXISTING QUARRY PROCESSING AREA
EXISTING SITE CONTOURS (10 m INTERVALS)
EXISTING REGIONAL CONTOURS (10 m INTERVALS)
APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)

LEGEND - MASTERPLAN
LAND FOR ENVIRONMENTAL PURPOSES
MASTERPLAN WORKS EXTENT (REFER TO DRAWING 002)

LEGEND - LANDFILL BASE	
LANDFILL BASE CONTOURS (2 m INTERVALS)	SUMP LOCATIONS
EXTENT OF GENERAL FILL (RAIL CORRIDOR AND LOT 4 LAND FOR ENVIRONMENTAL PURPOSES)	1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
UNIT 21 - DRAINAGE AGGREGATE	2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET	PIPE — UNIT 24 - DN630 SUMP RISER

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56

A3

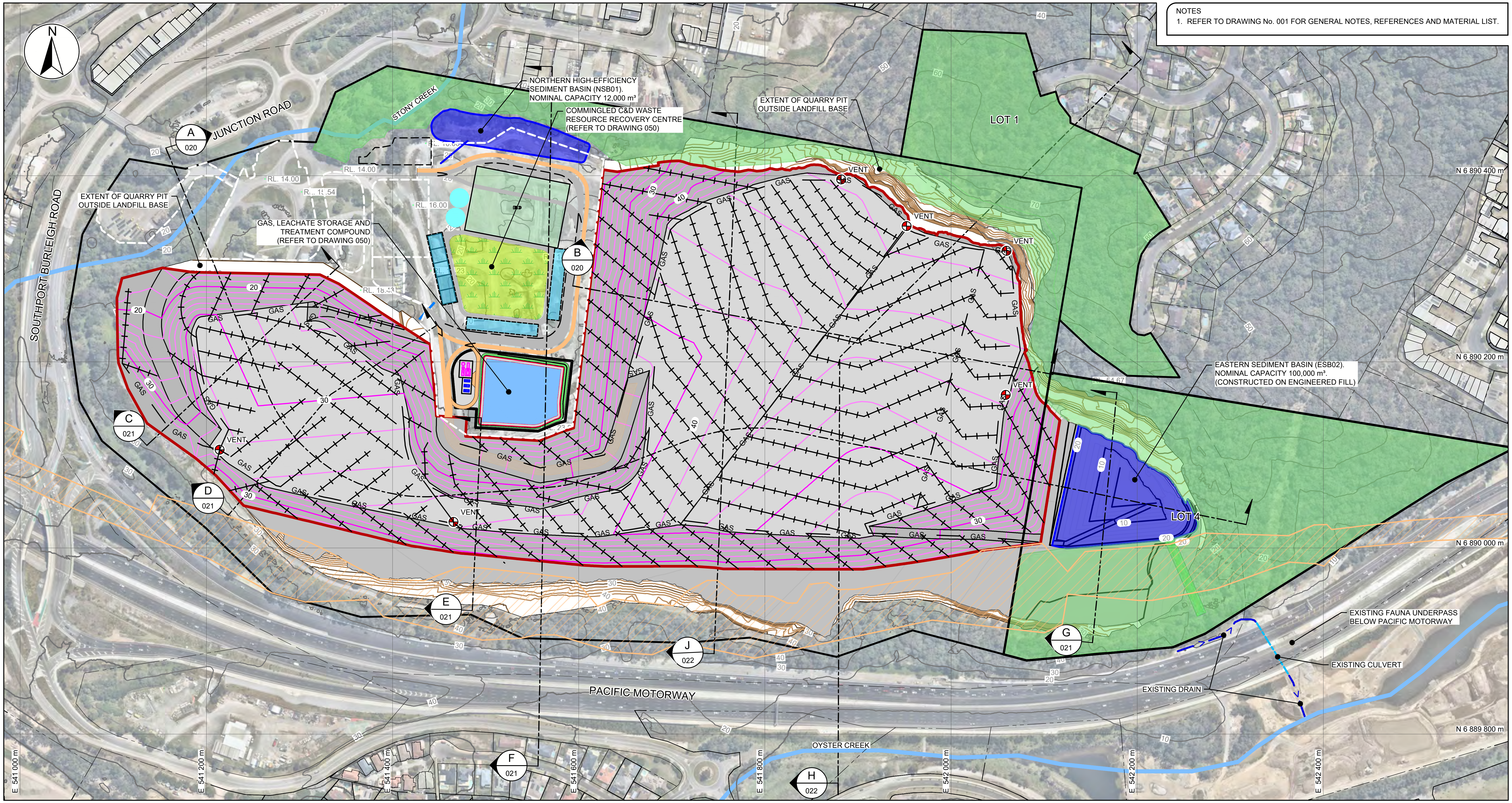
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
CONCEPT LANDFILL LEACHATE COLLECTION LAYOUT PLAN

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 007 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_008.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- EXTENT OF GENERAL FILL (RAIL CORRIDOR AND LOT 4 LAND FOR ENVIRONMENTAL PURPOSES)

LEGEND - TOP OF CAP
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS
- TOP OF CAP - BATTER AREAS
- UNIT 51 - PASSIVE LANDFILL GAS PANEL DRAINS
- GAS — UNIT 52 - PASSIVE LANDFILL GAS VENT
- GAS VENT

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- MASTERPLAN WORKS EXTENT (REFER TO DRAWING 002)

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

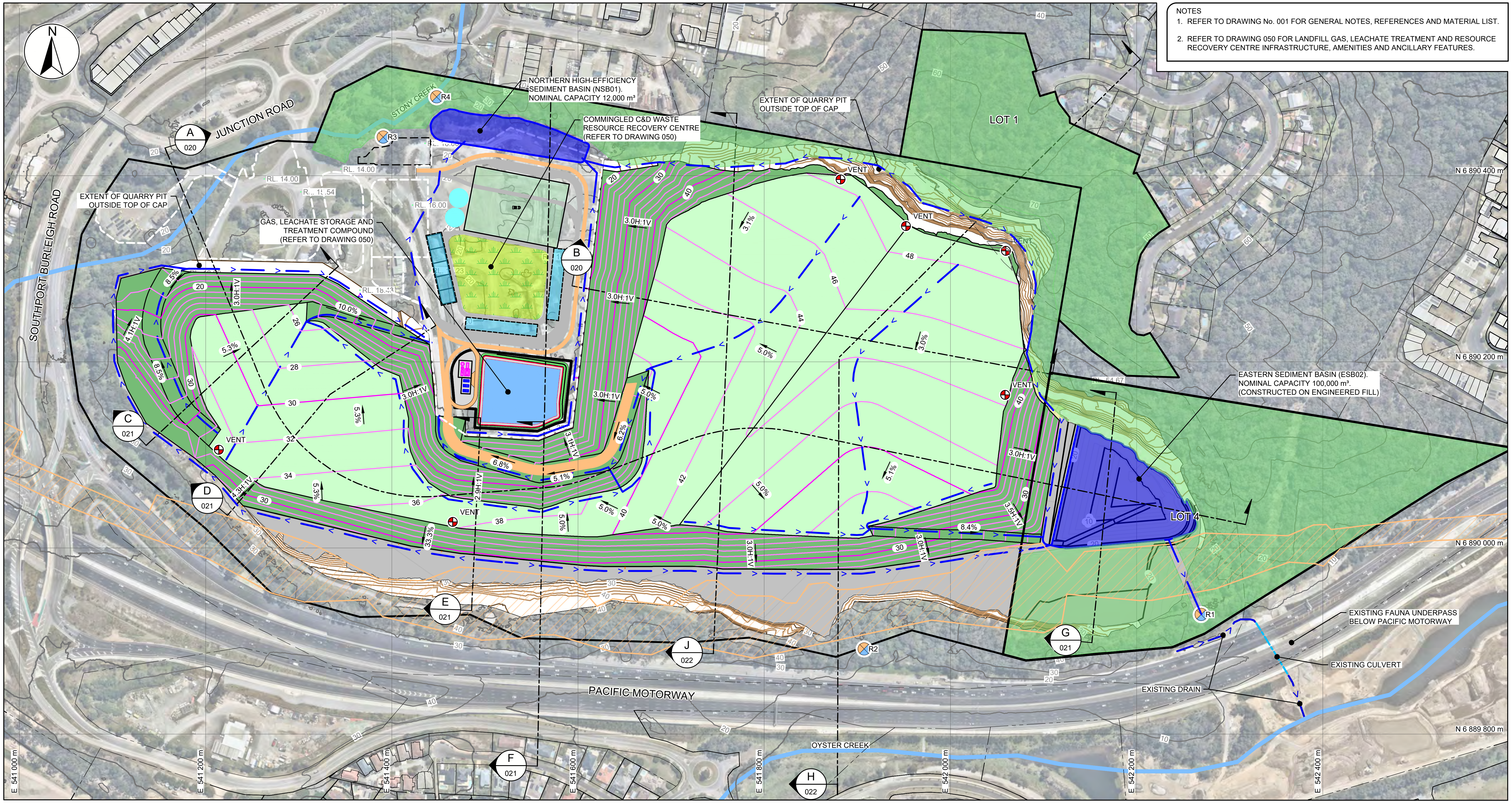
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
CONCEPT PASSIVE LANDFILL GAS COLLECTION SYSTEM

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 008 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_009.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)

CURRENT APPROVED RELEASE POINTS EPPR00810513
- R1 REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - LANDFILL
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- EXTENT OF GENERAL FILL
- PIPE — UNIT 24 - DN630 SUMP RISER
- PERMANENT SEDIMENT BASIN
- STORMWATER DRAIN
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS SUITABLE FOR FUTURE COMMERCIAL/INDUSTRIAL LAND USE
- TOP OF CAP - BATTER AREAS SUITABLE FOR FUTURE GREEN SPACE
- UNIT 03 - PAVEMENT MATERIAL
- GAS VENT

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- MASTERPLAN WORKS EXTENT (REFER TO DRAWING 002)

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED: P. BAKER

MODELLED: P. BAKER

REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH

REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56

A3

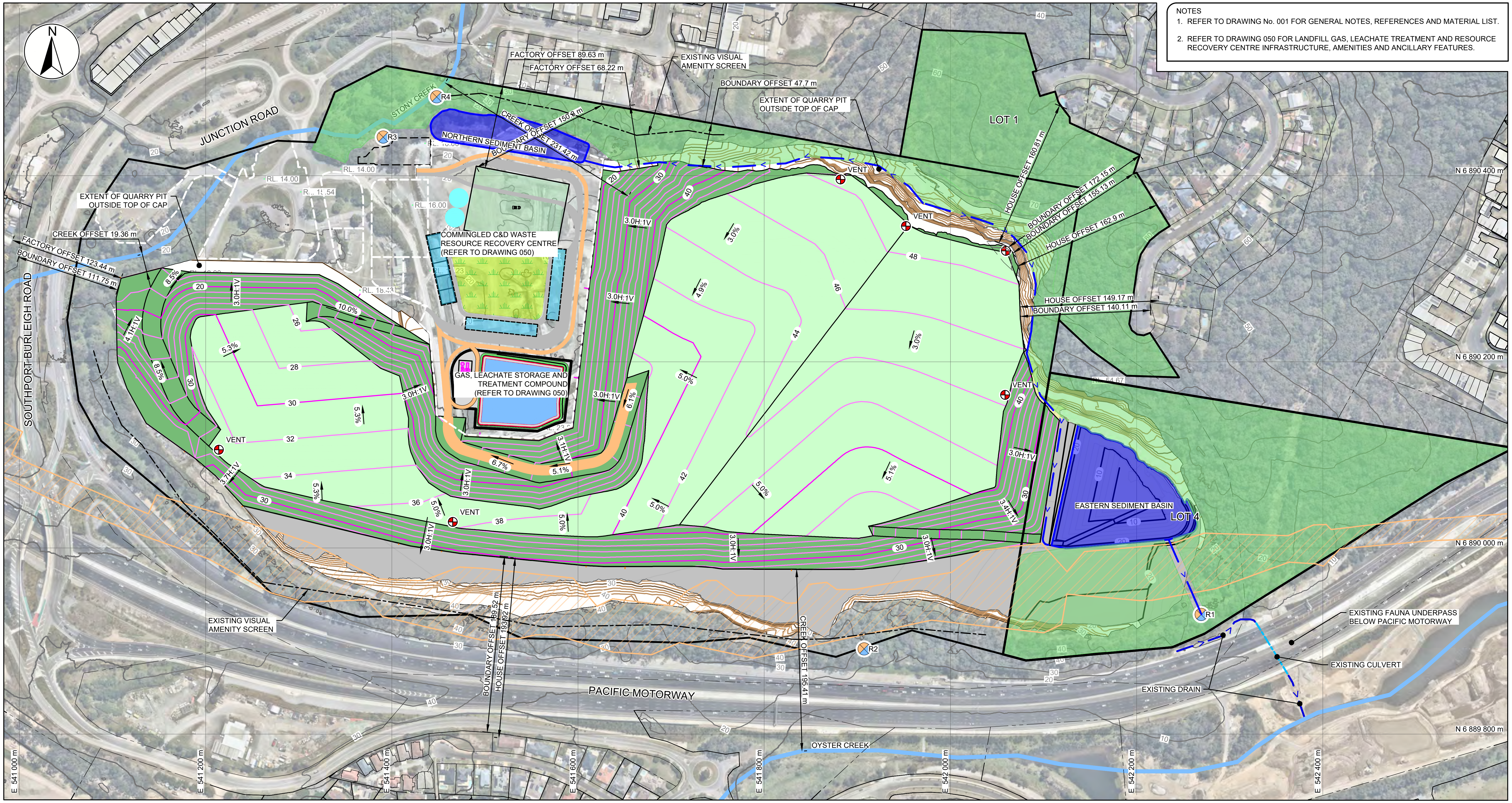
PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

DRAWING TITLE: CONCEPT FINAL LANDFILL LAYOUT

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 009 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_010.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- EXISTING REGIONAL CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (2 m INTERVALS)

CURRENT APPROVED RELEASE POINTS EPPR00810513
- R1 REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - LANDFILL
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- EXTENT OF GENERAL FILL
- PIPE UNIT 24 - DN630 SUMP RISER
- PERMANENT SEDIMENT BASIN
- STORMWATER DRAIN
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS SUITABLE FOR FUTURE COMMERCIAL/INDUSTRIAL LAND USE
- TOP OF CAP - BATTER AREAS SUITABLE FOR FUTURE GREEN SPACE
- UNIT 03 - PAVEMENT MATERIAL
- GAS VENT

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- MASTERPLAN WORKS EXTENT (REFER TO DRAWING 002)

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PREPARED: P. BAKER
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CLIENT: BORAL

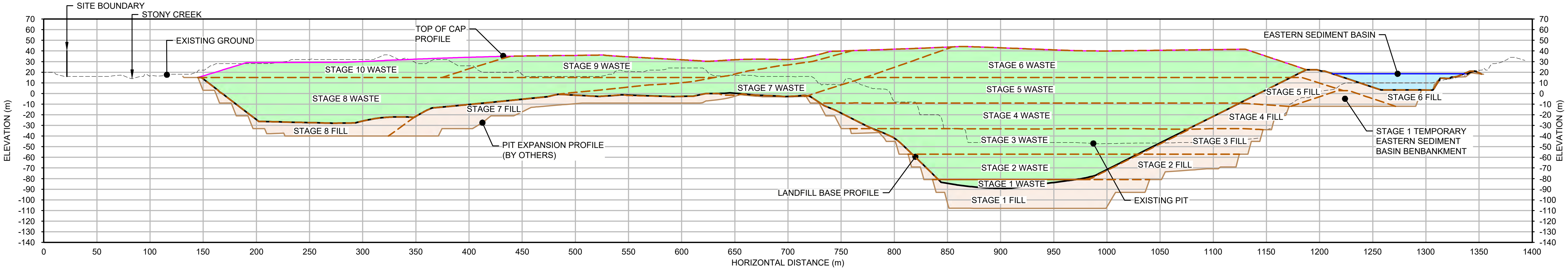
DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

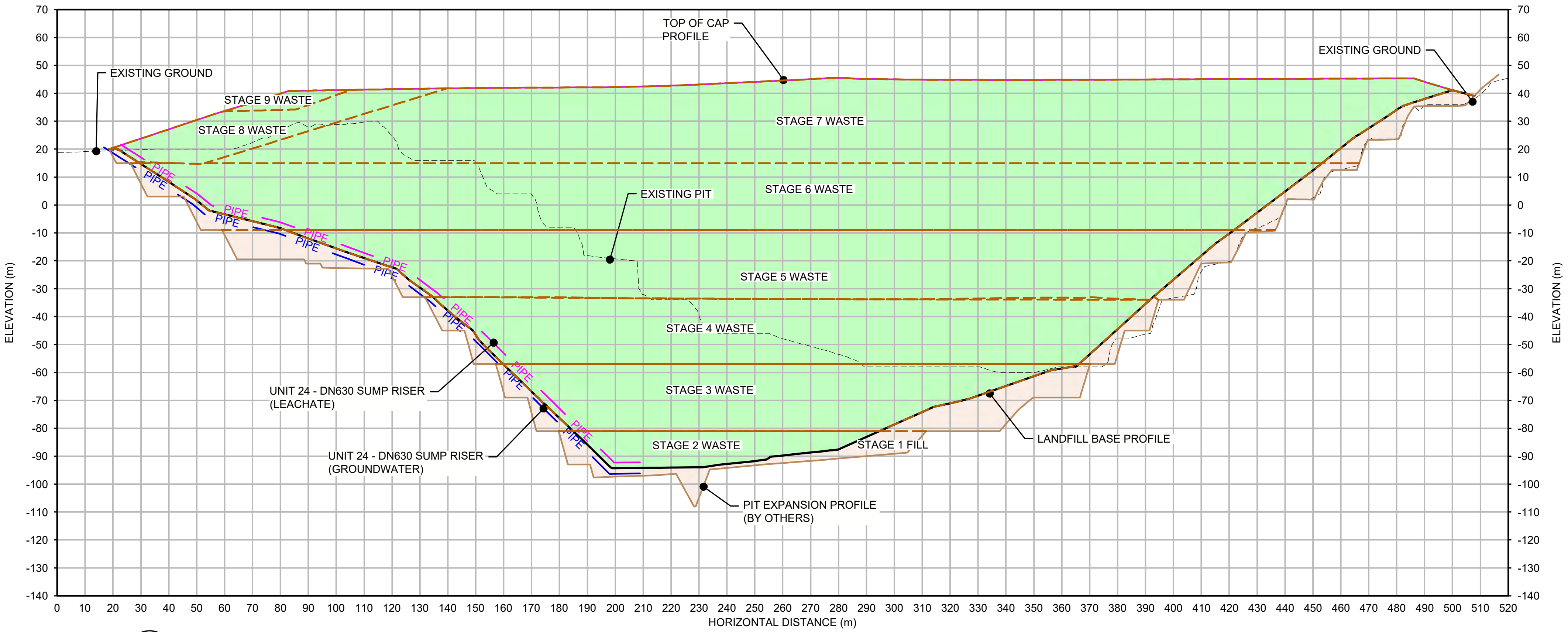
DRAWING TITLE: SET-BACK LAYOUT

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 010 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_011.dwg



SECTION A PROFILE
SCALE 1:4,000 | 004 | 005 | 006 | 007 | 008 | 009



SECTION B PROFILE
SCALE 1:2,000 | 004 | 005 | 006 | 007 | 008 | 009

NOTES

1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWINGS 024 - 026 FOR TYPICAL LANDFILL SECTIONS AND DETAILS.

LEGEND

PROPOSED WASTE

GENERAL FILL

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 25 50 75 100 m
1:2,000 METRES

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56

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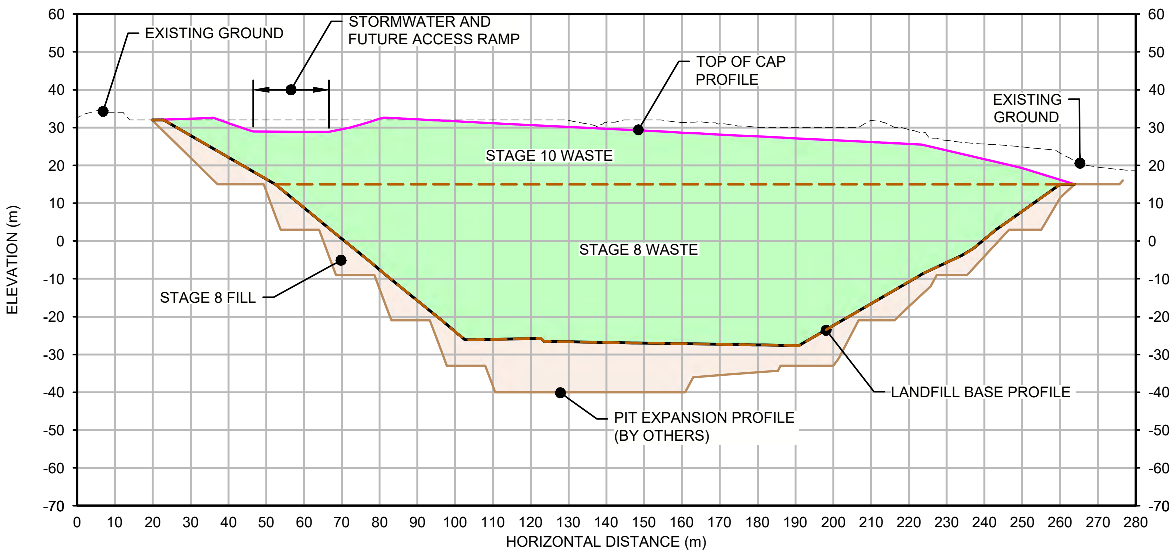
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

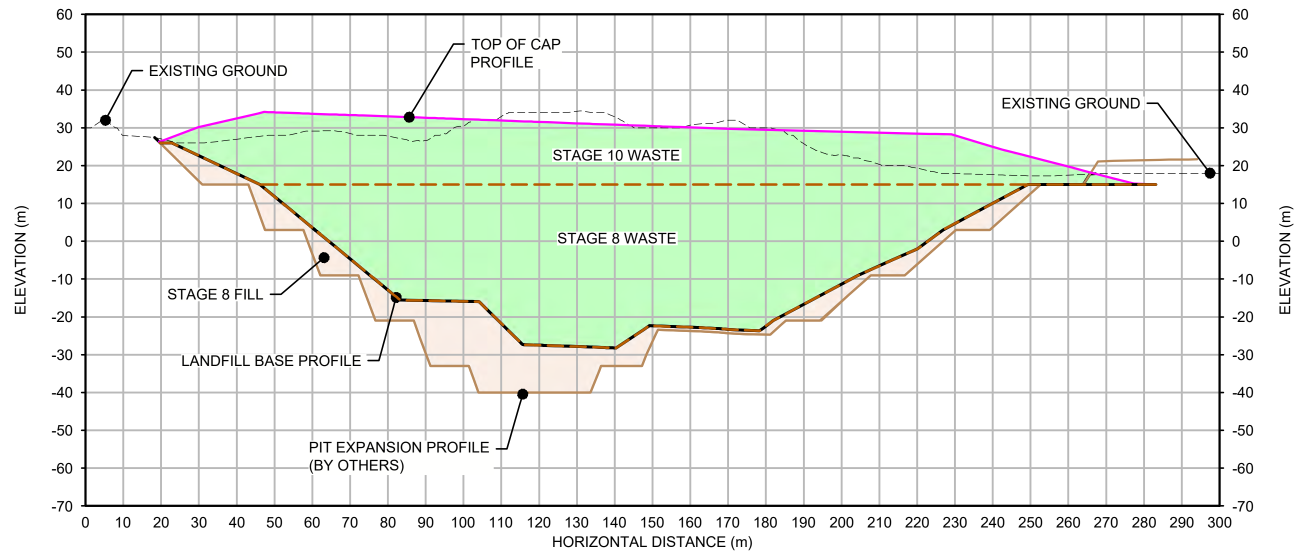
DRAWING TITLE
PROFILES - SHEET 1

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 020 | REV 3

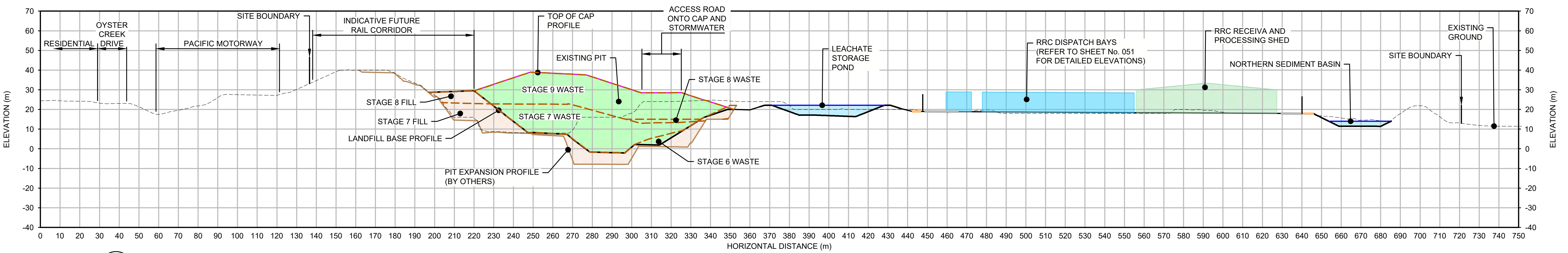
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_023.dwg



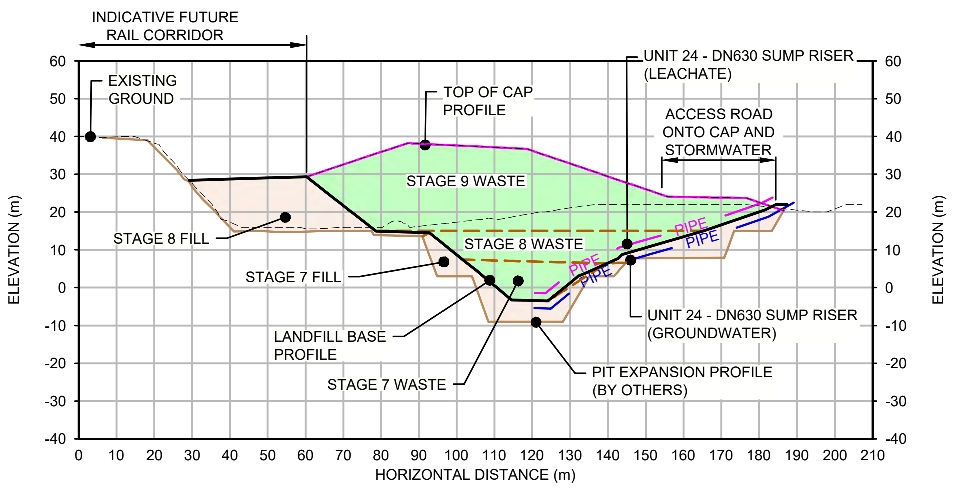
SECTION C PROFILE
SCALE 1:2,000 004 005 006 007 008 009



SECTION D PROFILE
SCALE 1:2,000 004 005 006 007 008 009



SECTION F PROFILE
SCALE 1:2,000 004 005 006 007 008 009



SECTION E PROFILE
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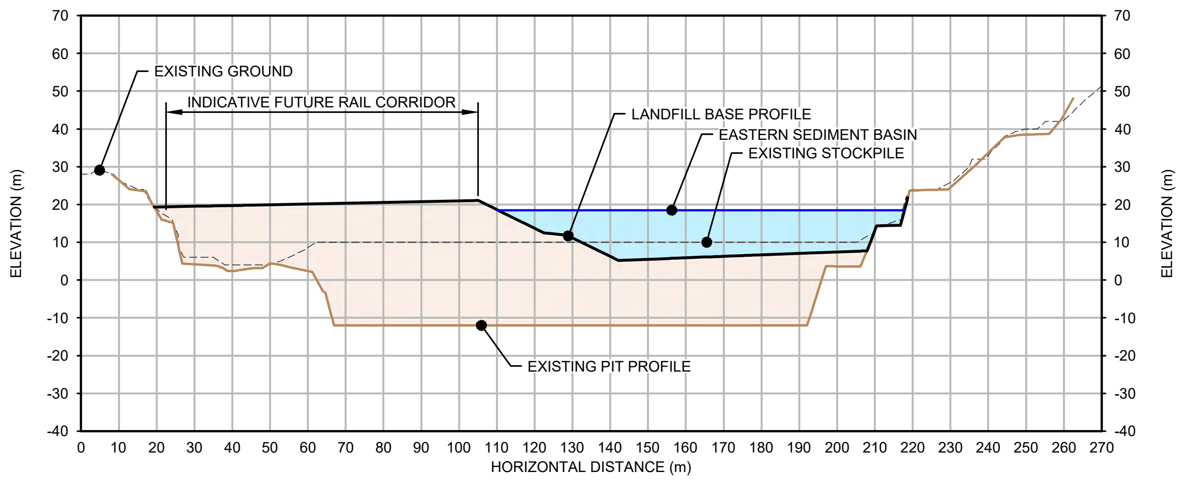

SECTION G PROFILE THROUGH LOT 4
SCALE 1:2,000 004 005 006 007 008 009

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWINGS 024 - 026 FOR TYPICAL LANDFILL SECTIONS AND DETAILS.

LEGEND
PROPOSED WASTE
GENERAL FILL

SCALE / STATUS
NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL
0 25 50 75 100 m
1:2,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56
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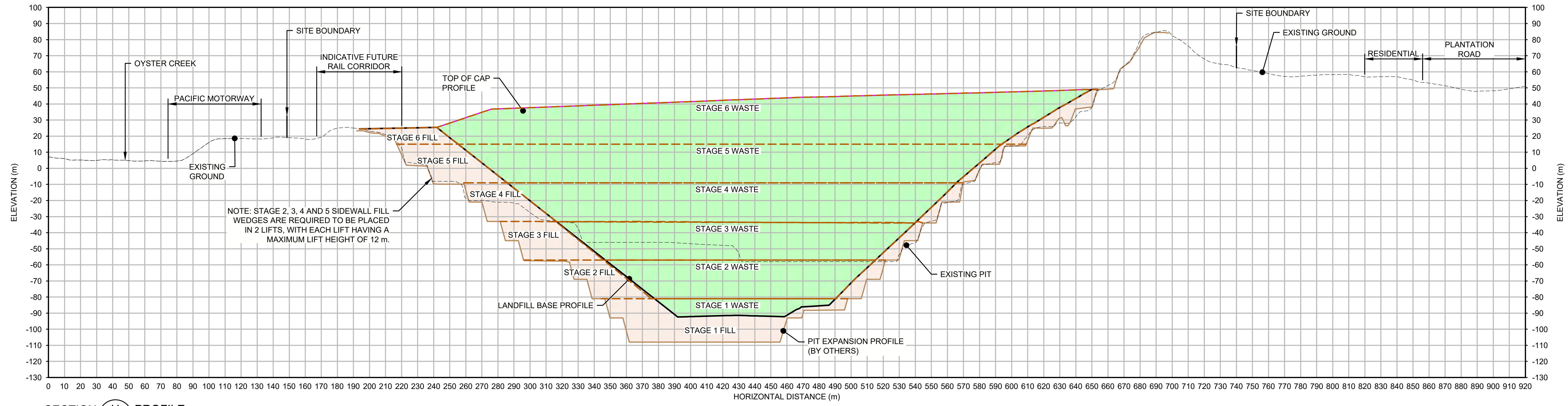
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

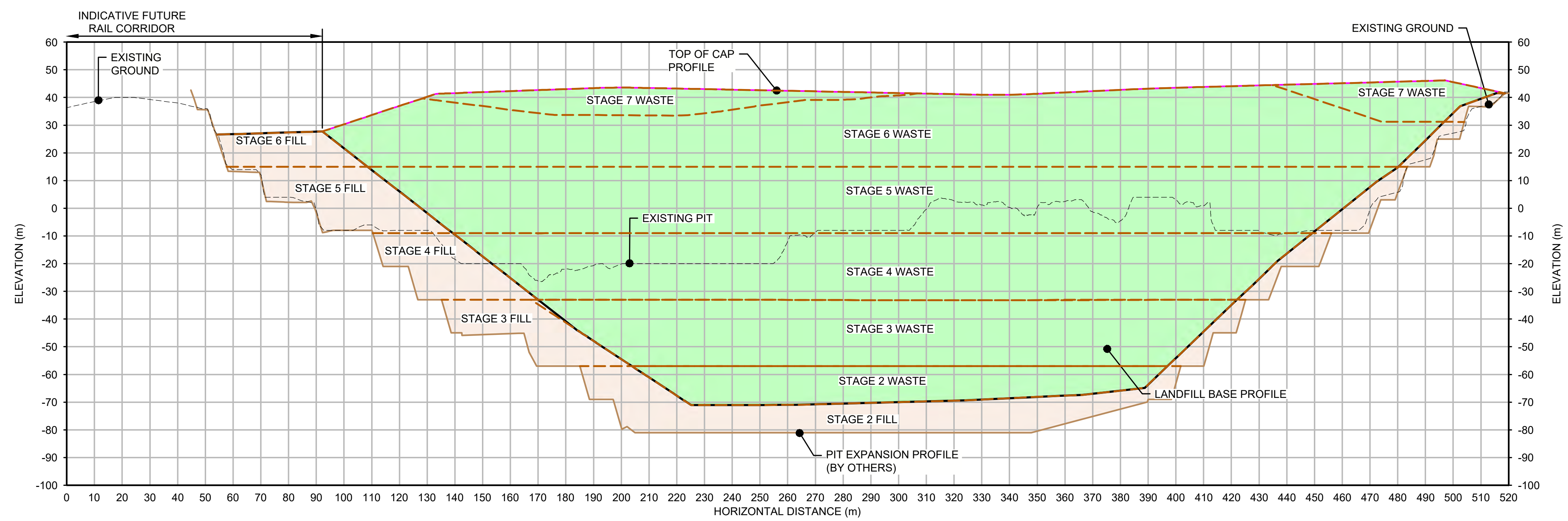
DRAWING TITLE
PROFILES - SHEET 2

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 021 REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_023.dwg



SECTION H PROFILE
SCALE 1:2,500 004 005 006 007 008 009



SECTION J PROFILE
SCALE 1:2,000 004 005 006 007 008 009

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWINGS 024 - 026 FOR TYPICAL LANDFILL SECTIONS AND DETAILS.

LEGEND
PROPOSED WASTE
GENERAL FILL

SCALE / STATUS
NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 25 50 75 100 m
1:2,000 METRES

0 25 50 75 100 125 150 m
1:2,500 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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AHD / MGA '94 ZONE 56

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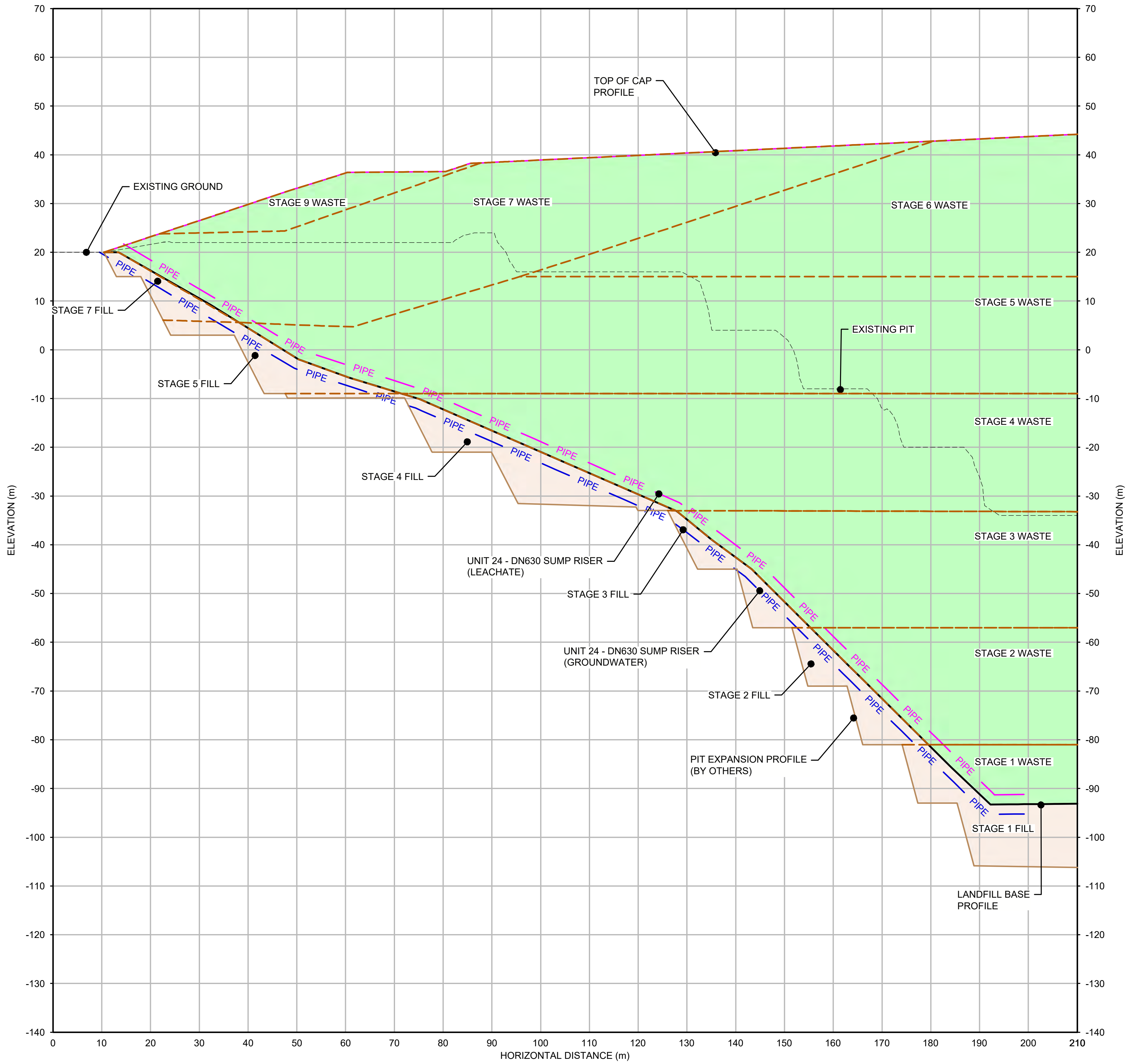
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
PROFILES - SHEET 3

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 022 REV 3

PRINTED DATE: 2025/10/22

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_023.dwg



SECTION K PROFILE
SCALE 1:1,000 006 007

PRINTED BY: YASH KHANDELWAL

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWINGS 024 - 026 FOR TYPICAL LANDFILL SECTIONS AND DETAILS.

LEGEND
PROPOSED WASTE
GENERAL FILL

SCALE / STATUS
NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL
0 10 20 30 40 50 m
1:1,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

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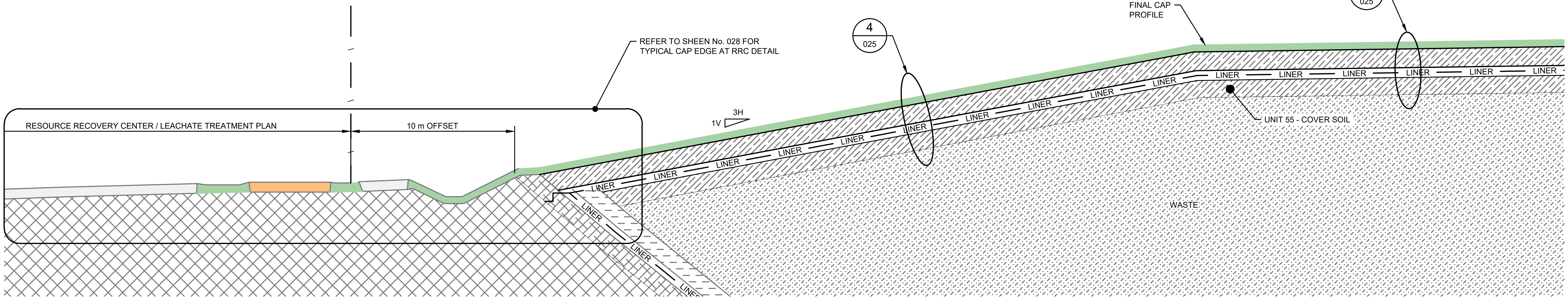
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

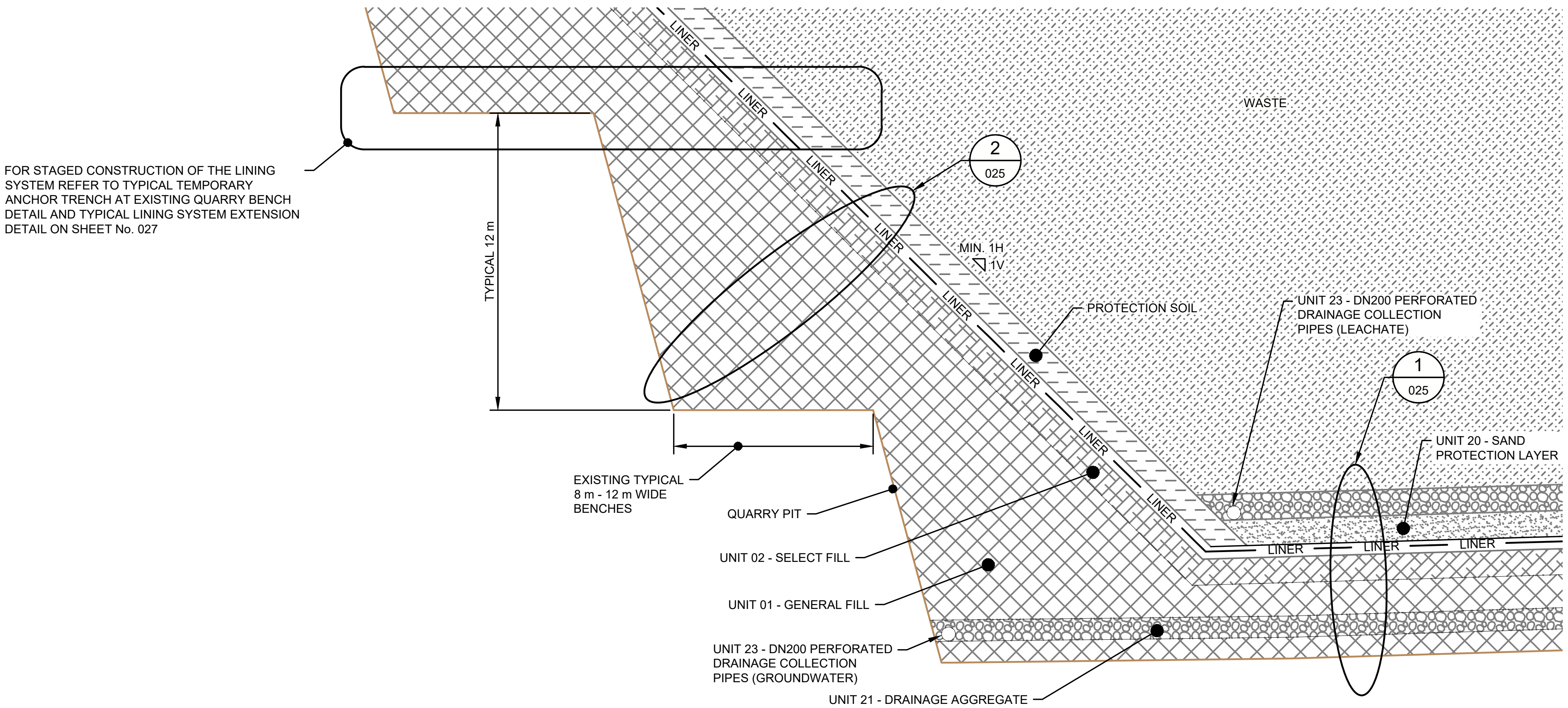
DRAWING TITLE
PROFILES - SHEET 4

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 023 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_023.dwg



TYPICAL LANDFILL CAP STRUCTURE
SCALE 1:250



TYPICAL LANDFILL BASAL STRUCTURE
SCALE 1:250

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 2.5 5 7.5 10 12.5 15 m
1:250 METRES

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED
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MODELLED
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DATUM / PROJECTION
AHD / MGA '94 ZONE 56

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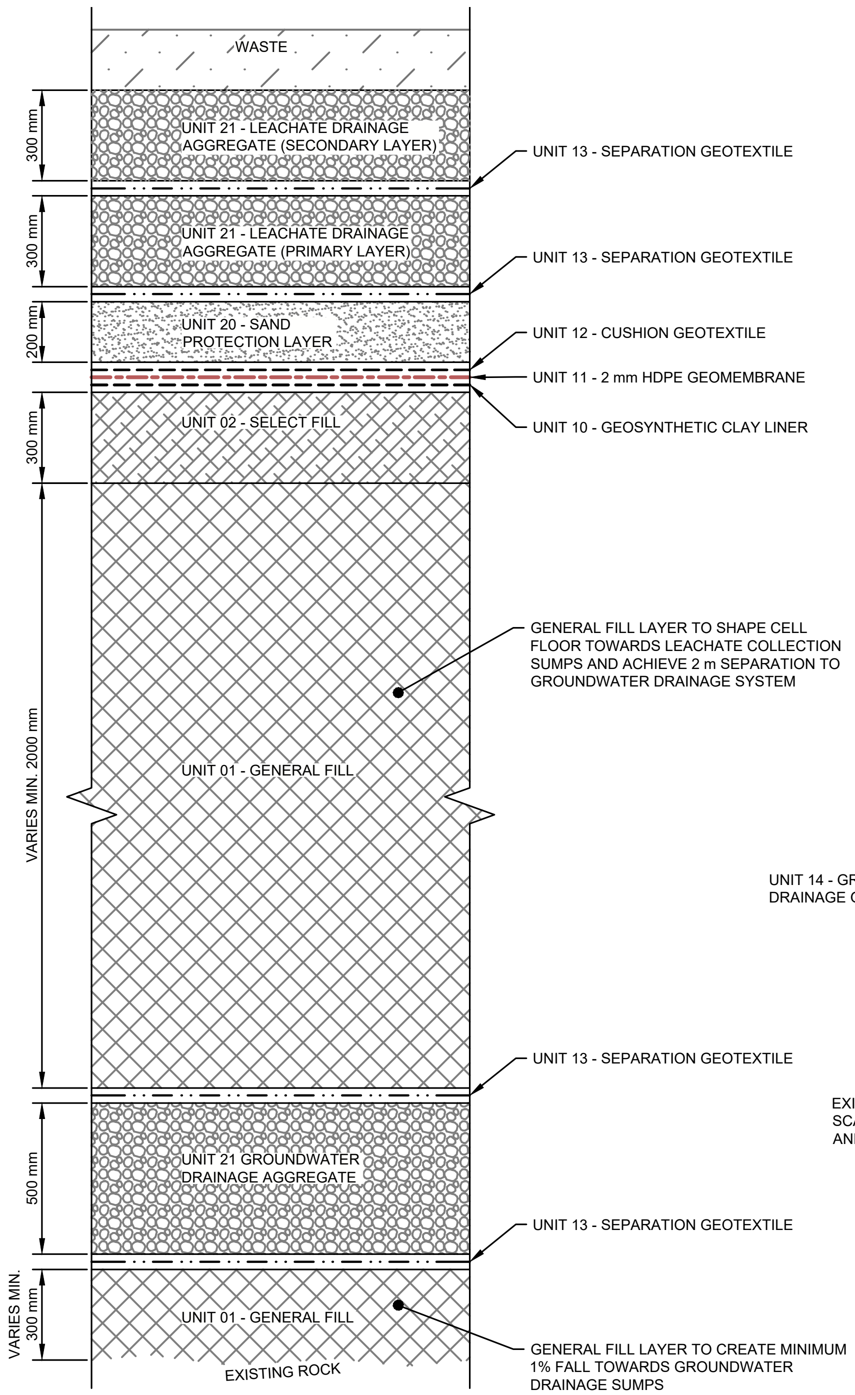
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

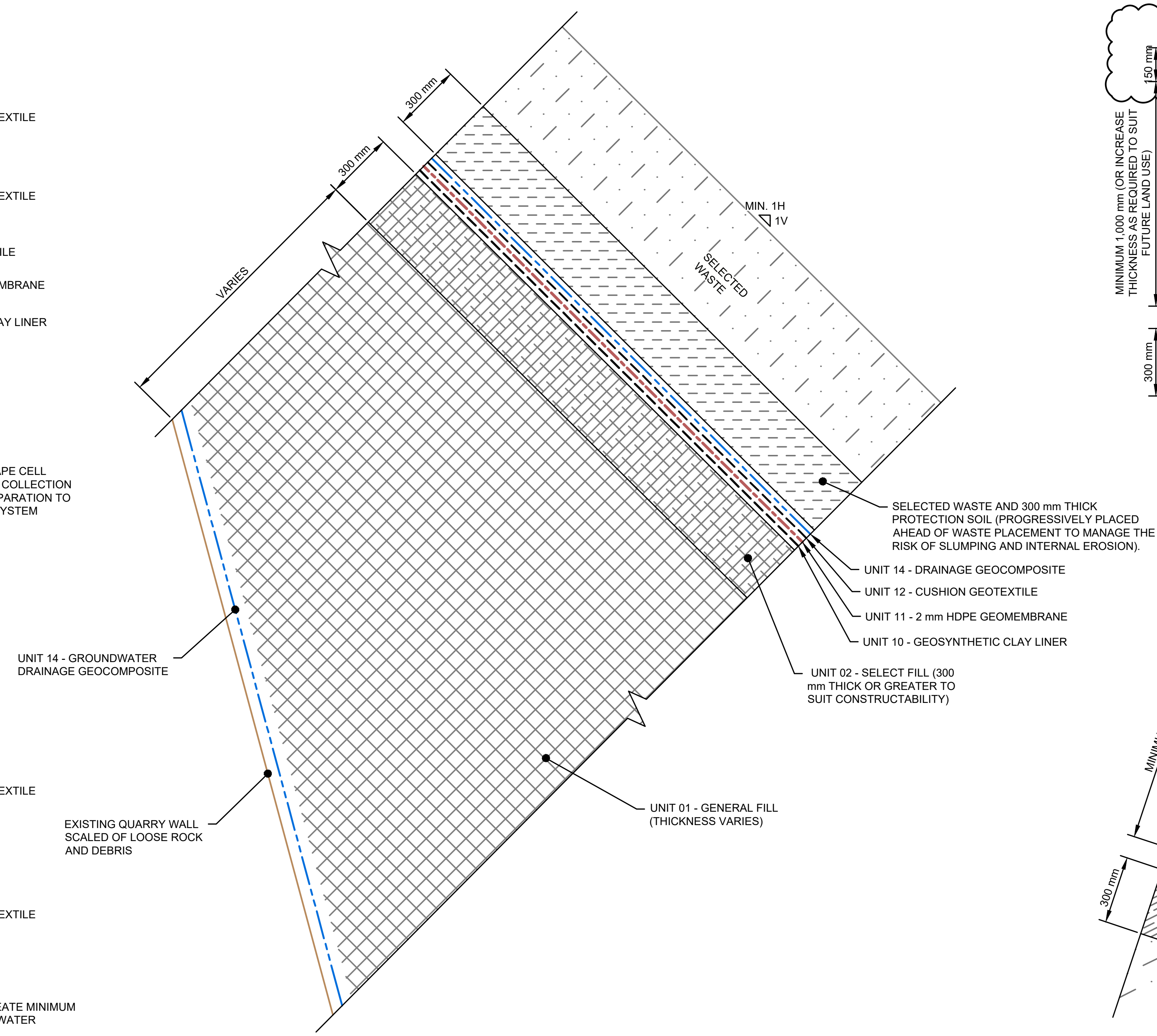
DRAWING TITLE
DETAIL SHEET 1

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 024 REV 3

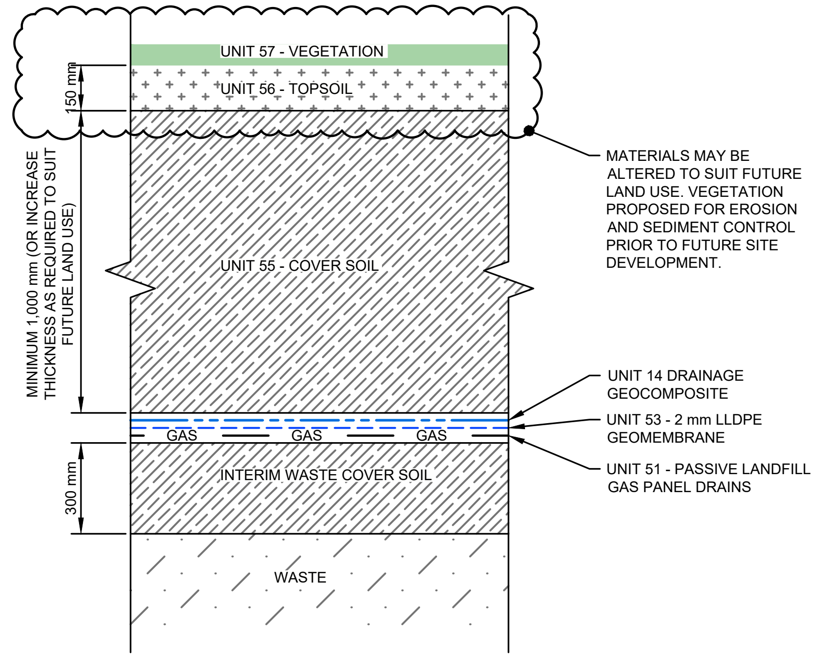
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_027.dwg



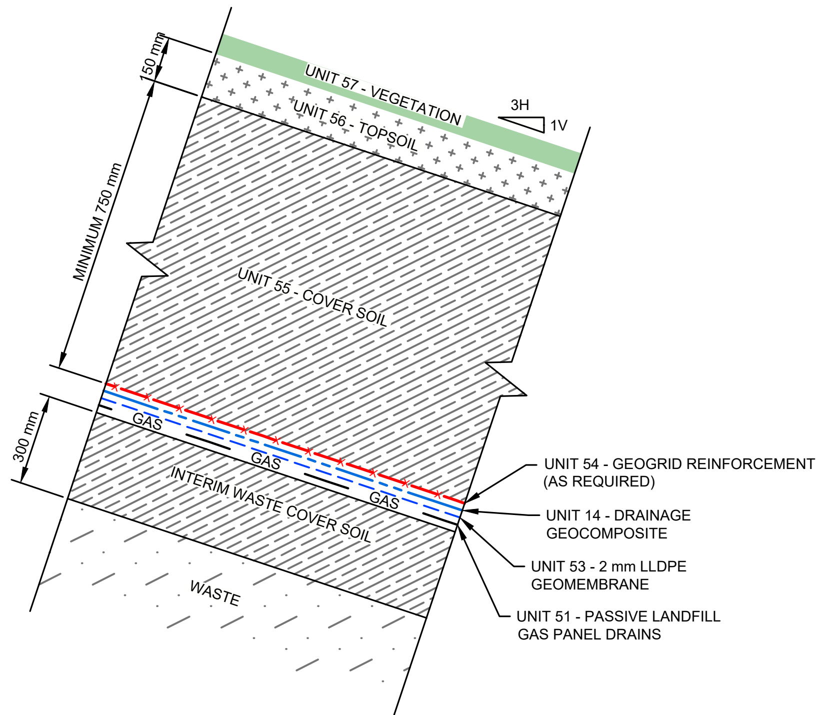
DETAIL 1 TYPICAL LINER PROFILE - LANDFILL FLOOR
SCALE 1:25 024



DETAIL 2 TYPICAL LINER PROFILE - LANDFILL SIDEWALL
SCALE 1:25 024



DETAIL 3 TYPICAL CAPPING PROFILE - PLATEAU
SCALE 1:25 024



DETAIL 4 TYPICAL CAPPING PROFILE - BATTERS
SCALE 1:25 024

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 0.25 0.5 0.75 1 1.25 1.5 m
1:25 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED
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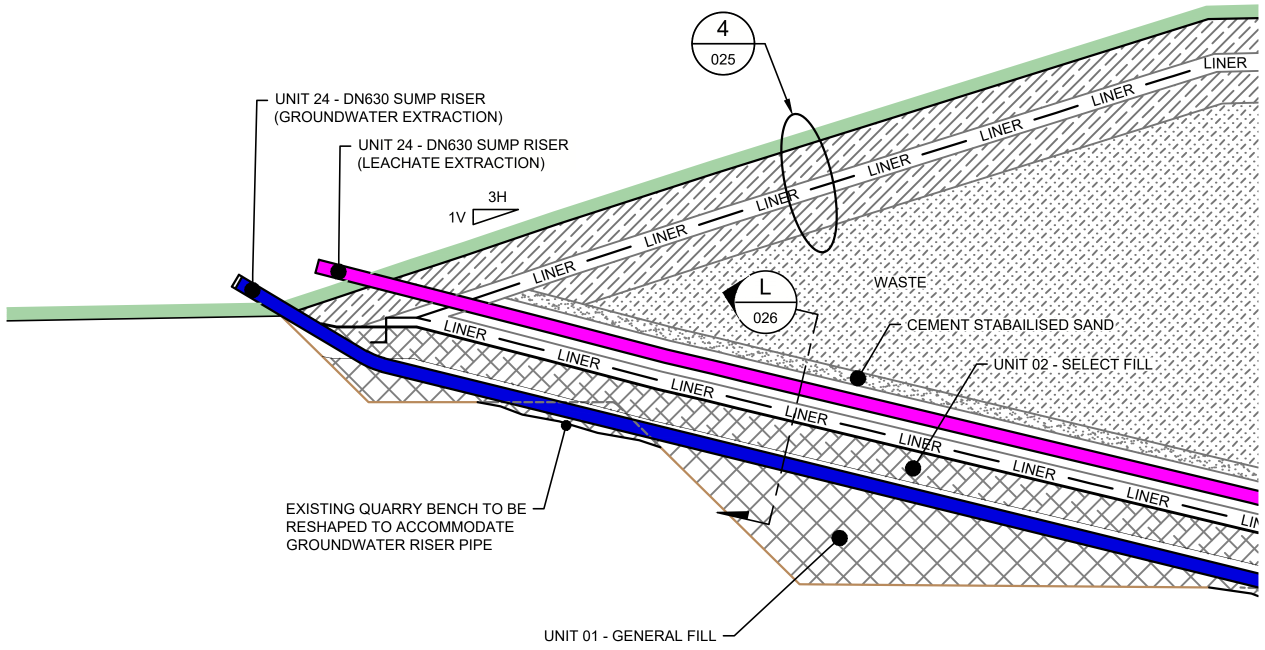
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

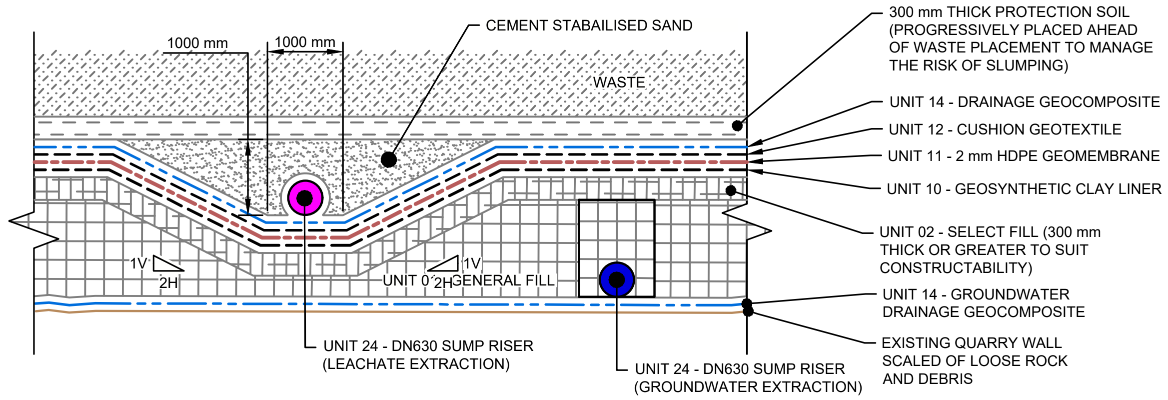
DRAWING TITLE
DETAIL SHEET 2

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 025 | REV 3

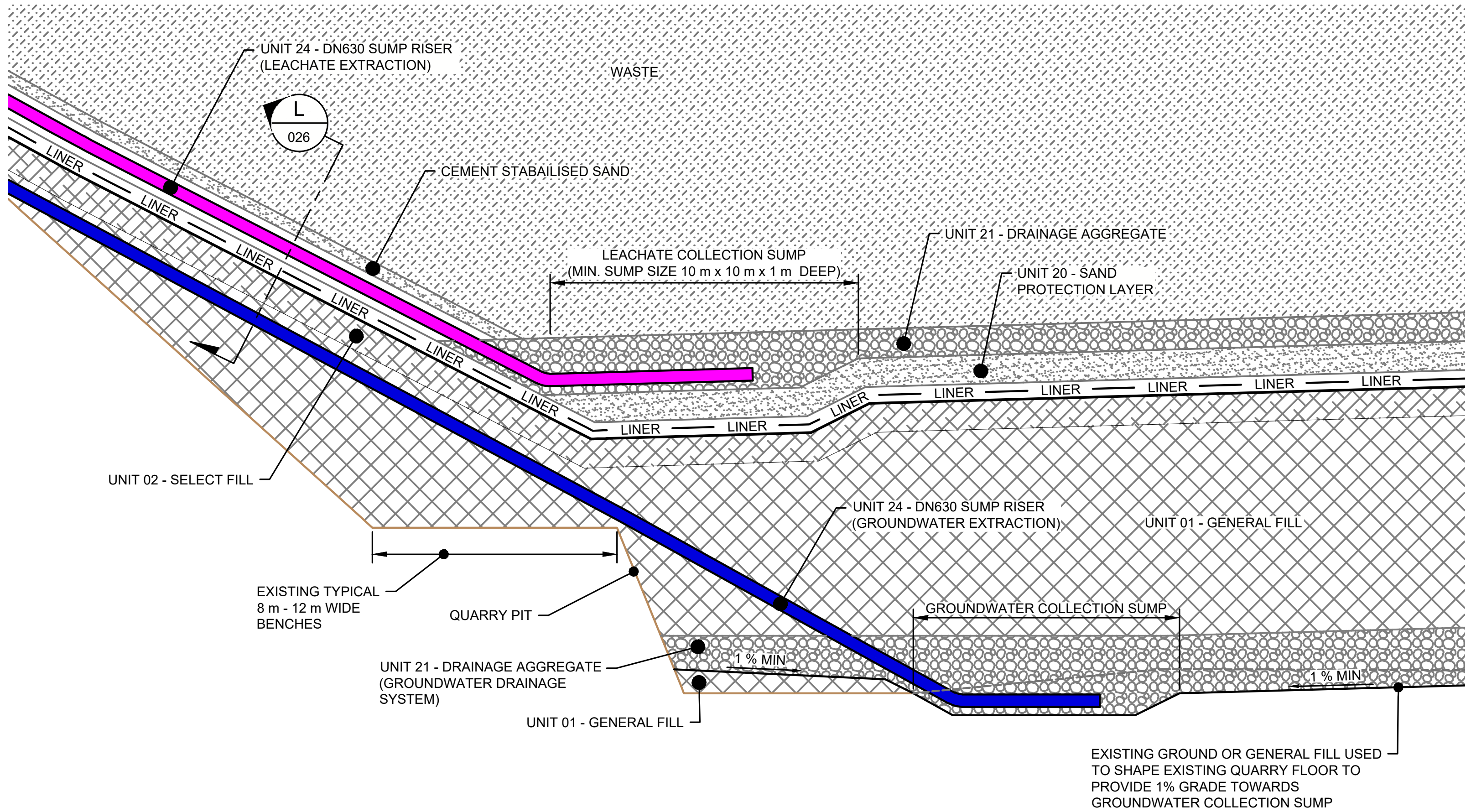
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_027.dwg



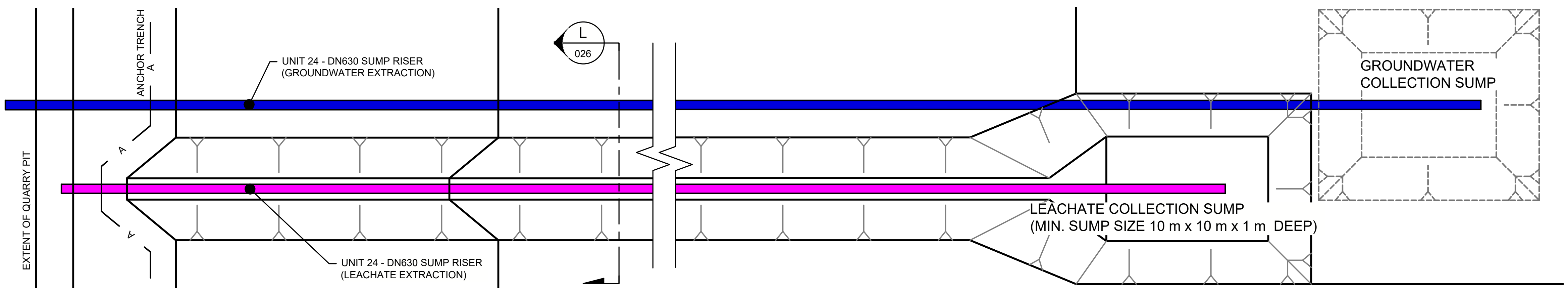
TYPICAL LEACHATE AND GROUNDWATER
EXTRACTION RISER PIPES AT SURFACE
SCALE 1:250



SECTION L 026 LEACHATE AND GROUNDWATER EXTRACTION RISER
PIPES RECESSED INTO LANDFILL SIDESLOPES
SCALE 1:100



TYPICAL LEACHATE AND GROUNDWATER
EXTRACTION RISER PIPES AT SUMPS
SCALE 1:250



TYPICAL LAYOUT OF LEACHATE AND GROUNDWATER SUMPS
SCALE 1:250

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 1 2 3 4 5 m
1:100 METRES

0 2.5 5 7.5 10 12.5 15 m
1:250 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

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AHD / MGA '94 ZONE 56

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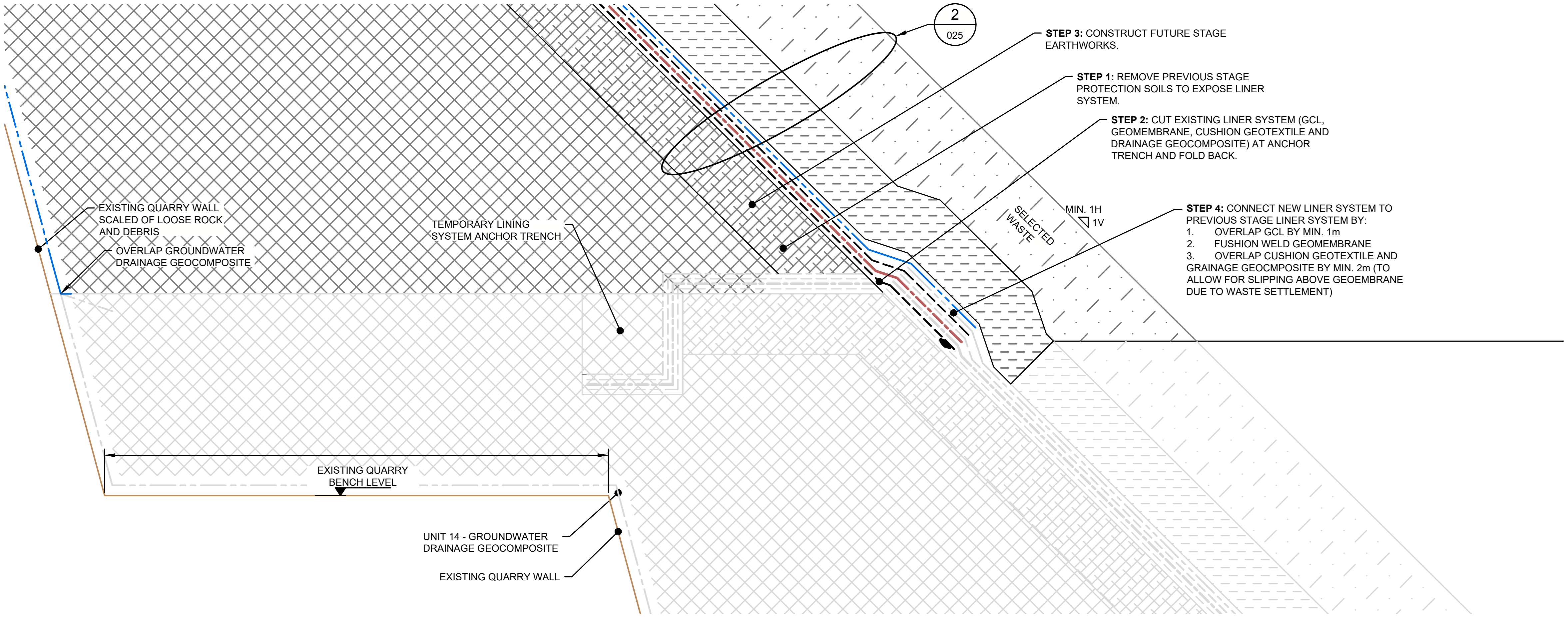
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

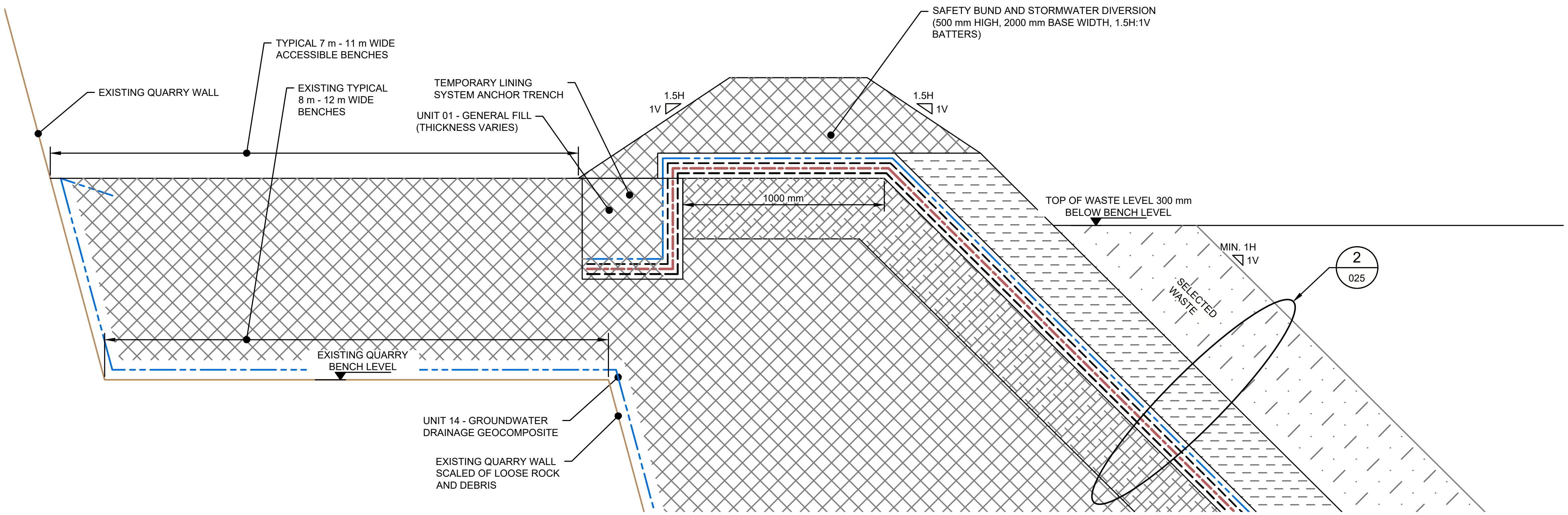
DRAWING TITLE
DETAIL SHEET 3

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 026 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_027.dwg



TYPICAL LINING SYSTEM EXTENSION DETAIL
SCALE 1:25



TYPICAL TEMPORARY ANCHOR TRENCH AT EXISTING QUARRY BENCH DETAIL
SCALE 1:25

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.

SCALE / STATUS
NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL
0 0.25 0.5 0.75 1 1.25 1.5 m
1:25 METRES

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

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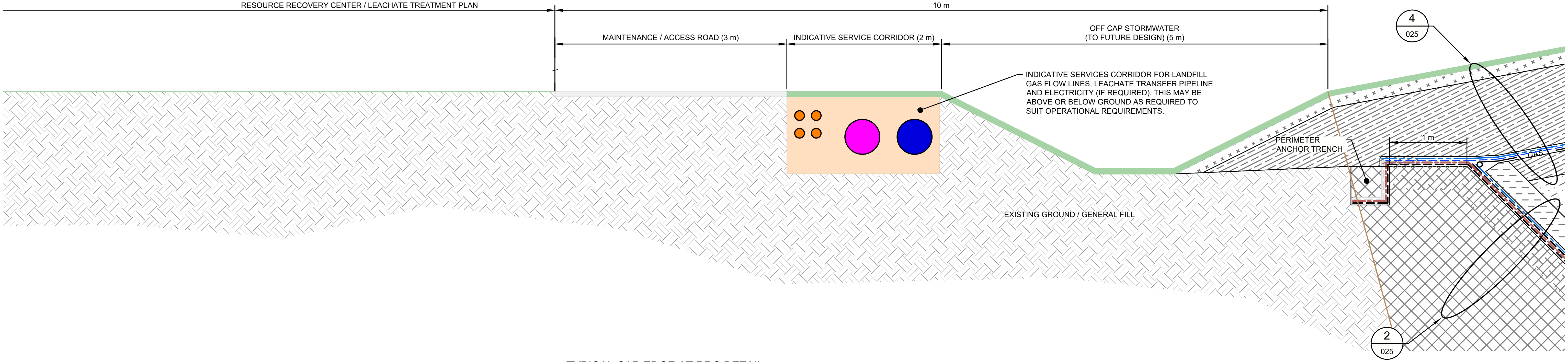
CLIENT
BORAL
DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

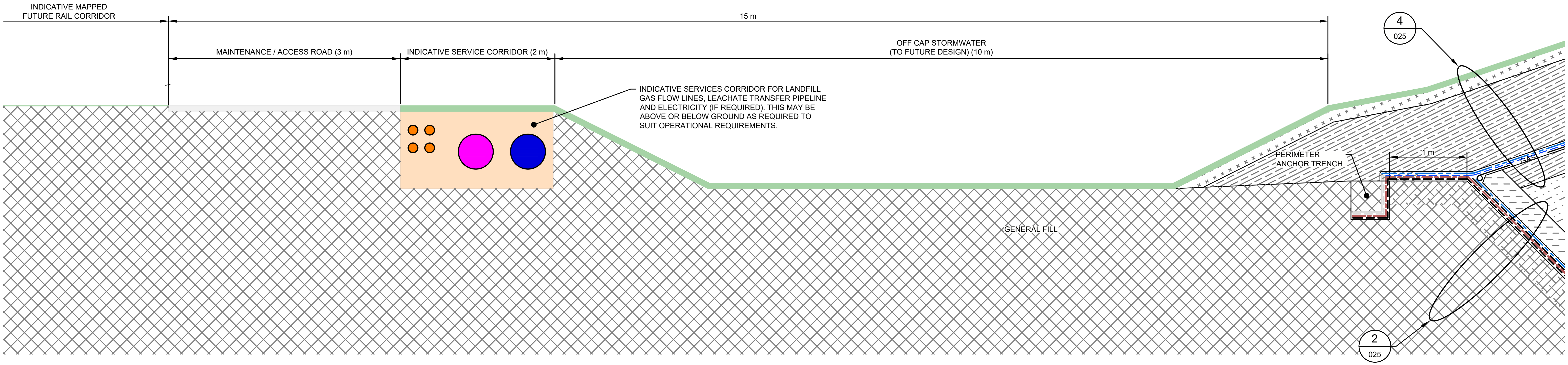
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN
DRAWING TITLE
DETAIL SHEET 4
PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 027 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_027.dwg



TYPICAL CAP EDGE AT RRC DETAIL

SCALE 1:50



TYPICAL CAP EDGE DETAIL TO MAPPED RAIL CORRIDOR

SCALE 1:50

NOTES

1. REFER TO DRAWING No. 001 FOR GENERAL NOTES , REFERENCES AND MATERIAL LIST.

SCALE / STATUS

NOT FOR CONSTRUCTION

ISSUED FOR APPROVAL

0 0.5 1 1.5 2 2.5 m

1:50 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

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BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56

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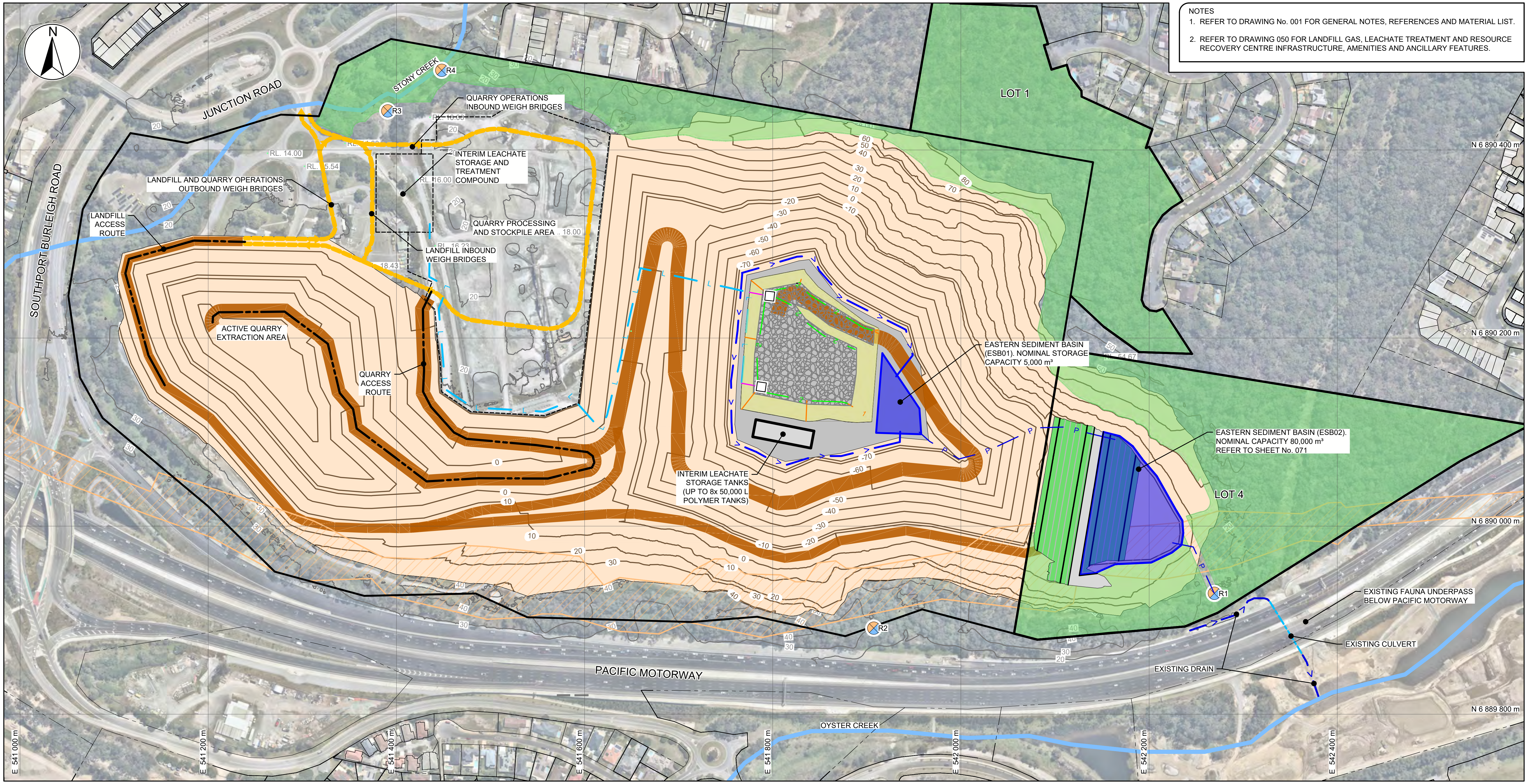
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
DETAIL SHEET 5

PROJECT No. **21365** DELIVERABLE No. **008** DRAWING No. **028** REV **3**

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_027.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
SITE BOUNDARY
PARCEL BOUNDARIES
INDICATIVE FUTURE RAIL CORRIDOR
EXISTING SITE CONTOURS (10 m INTERVALS)
APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
EXTENT OF QUARRY PIT EXPANSION
INTERNAL QUARRY / LANDFILL HAUL ROADS

CURRENT APPROVED RELEASE POINTS EPPR00810513

R1	RELEASE POINTS	REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - LANDFILL BASE
LANDFILL BASE CONTOURS (2 m INTERVALS)
GENERAL FILL
UNIT 21 - DRAINAGE AGGREGATE
UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
SUMP LOCATIONS
1 UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
2 UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
PIPE UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
TEMPORARY STORMWATER BASIN
STORMWATER DRAIN
SURFACE PUMP MAIN TO SEDIMENT BASIN
TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

LEGEND - MASTERPLAN
LANDFILL / QUARRY ACCESS TRAFFIC FLOW

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED: P. BAKER
MODELLED: P. BAKER
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REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

PROJECT TITLE:
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE:
STAGE CONSTRUCTION STEP 1

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 030 | REV 3

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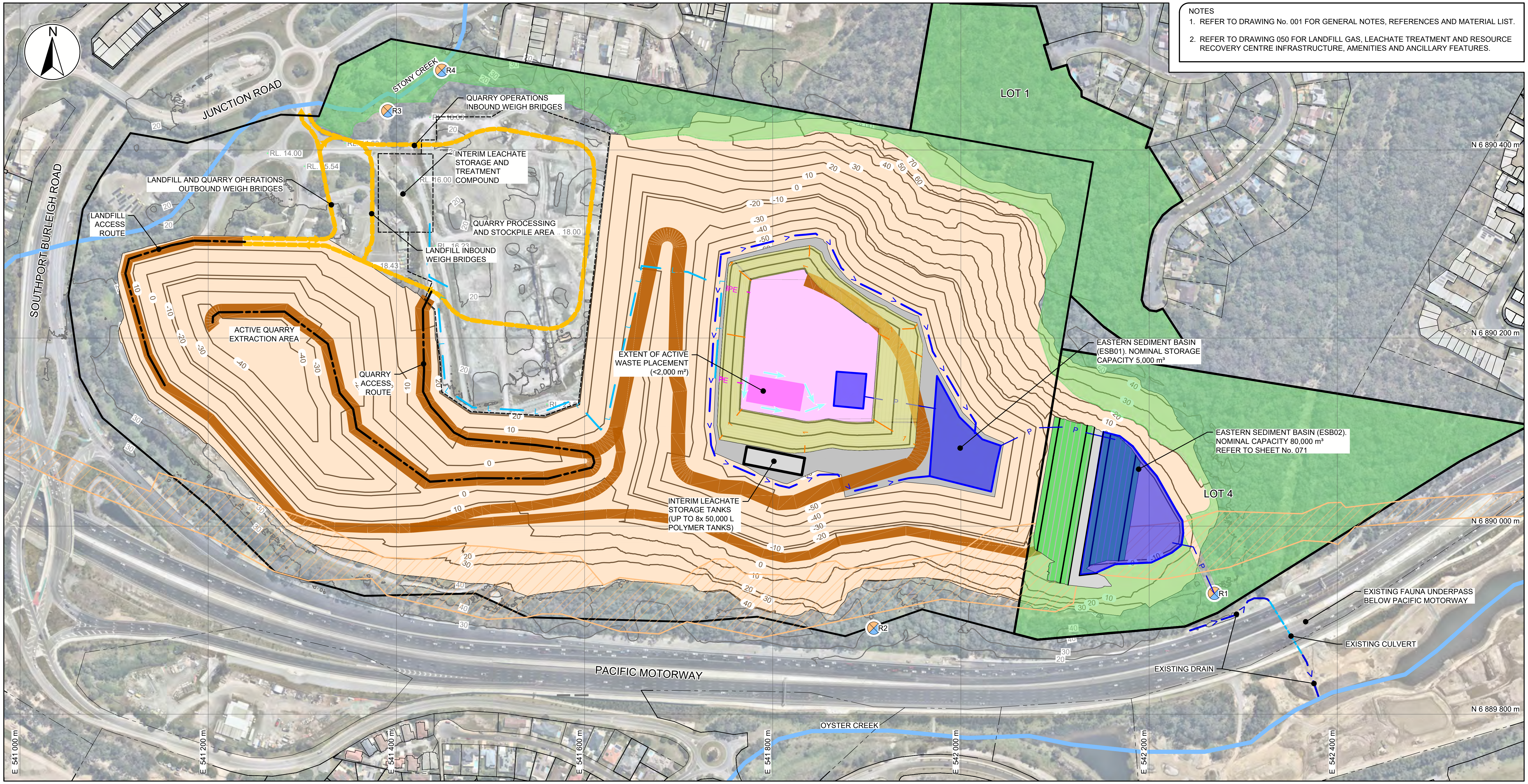
PRINTED DATE: 2025/10/22
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_030.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

CURRENT APPROVED RELEASE POINTS EPPR00810513

R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- EXTENT OF COVERED WASTE
- STORMWATER BASIN
- STORMWATER DRAIN
- SURFACE PUMP MAIN TO SEDIMENT BASIN

LEGEND - MASTERPLAN
- LANDFILL / QUARRY ACCESS TRAFFIC FLOW

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56

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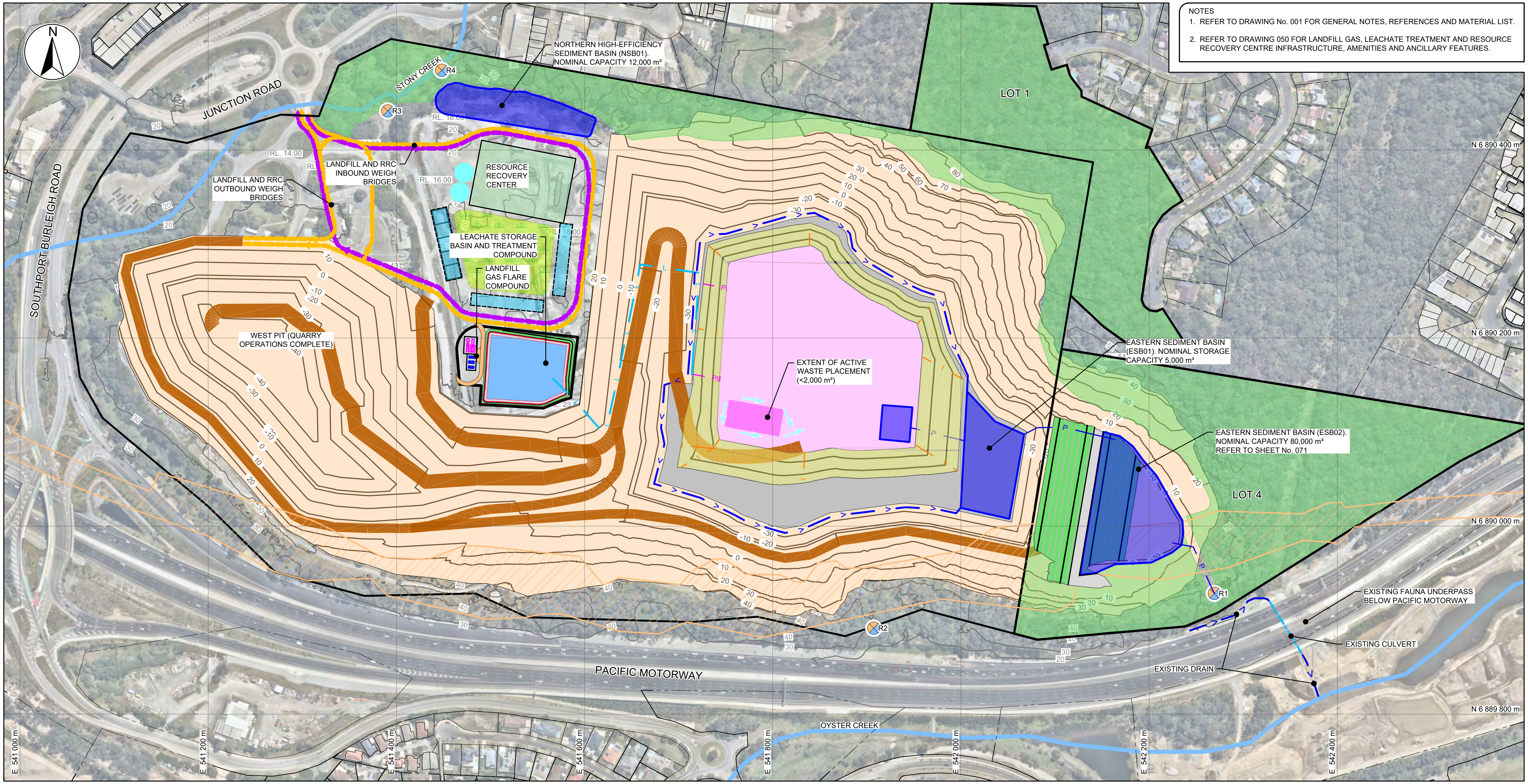
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 2

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 031 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_031.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL / QUARRY ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- EXTENT OF COVERED WASTE
- STORMWATER BASIN
- STORMWATER DRAIN
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- L TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRGS. 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

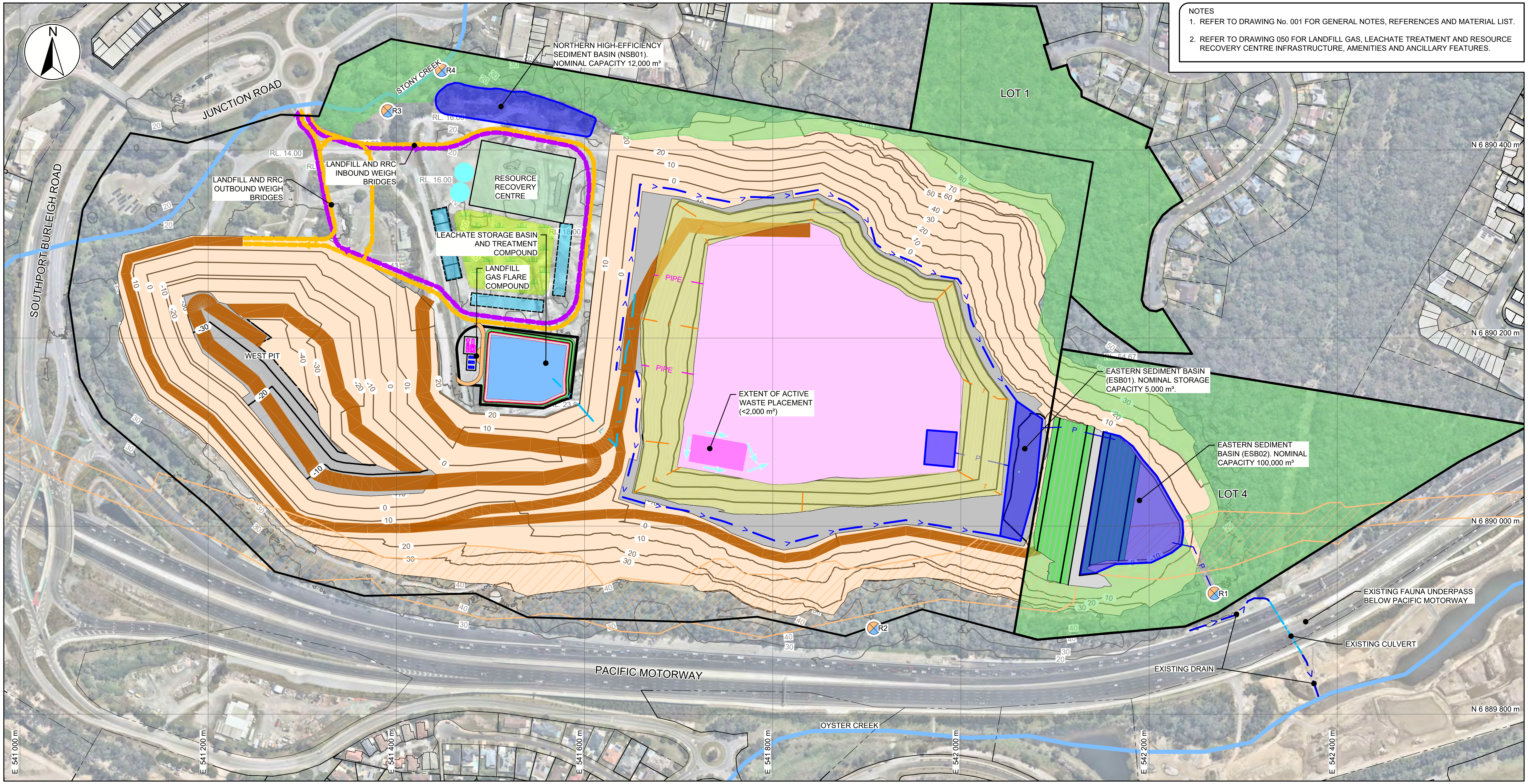
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 3

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 032 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_032.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRGS. 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- EXTENT OF COVERED WASTE
- STORMWATER BASIN
- STORMWATER DRAIN
- SURFACE PUMP MAIN TO SEDIMENT BASIN
- TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

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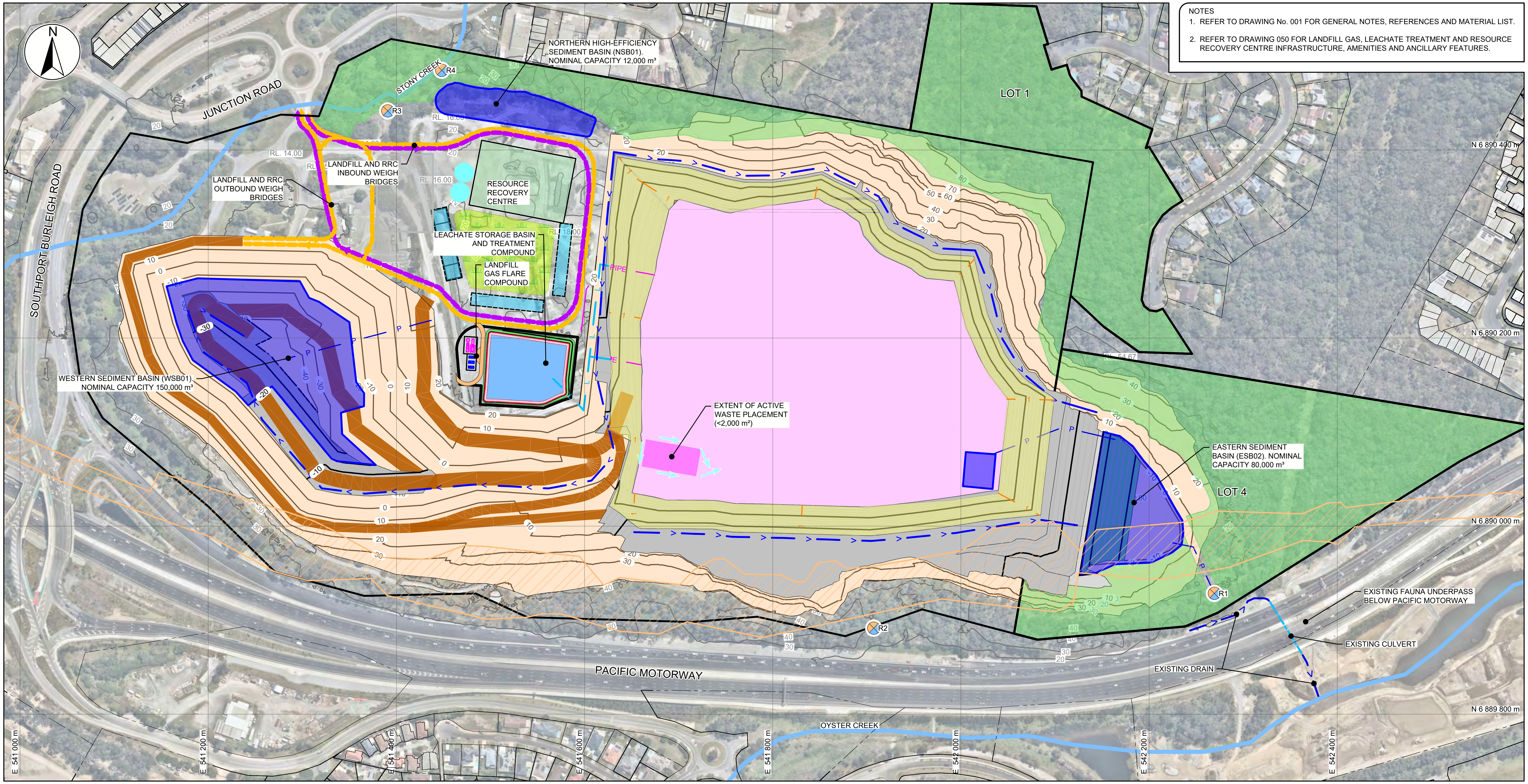
DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 4

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 033 REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_033.dwg



NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- EXTENT OF COVERED WASTE
- STORMWATER BASIN
- STORMWATER DRAIN
- SURFACE PUMP MAIN TO SEDIMENT BASIN
- TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

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MODELLED
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REGISTRATION No. 30032

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BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56
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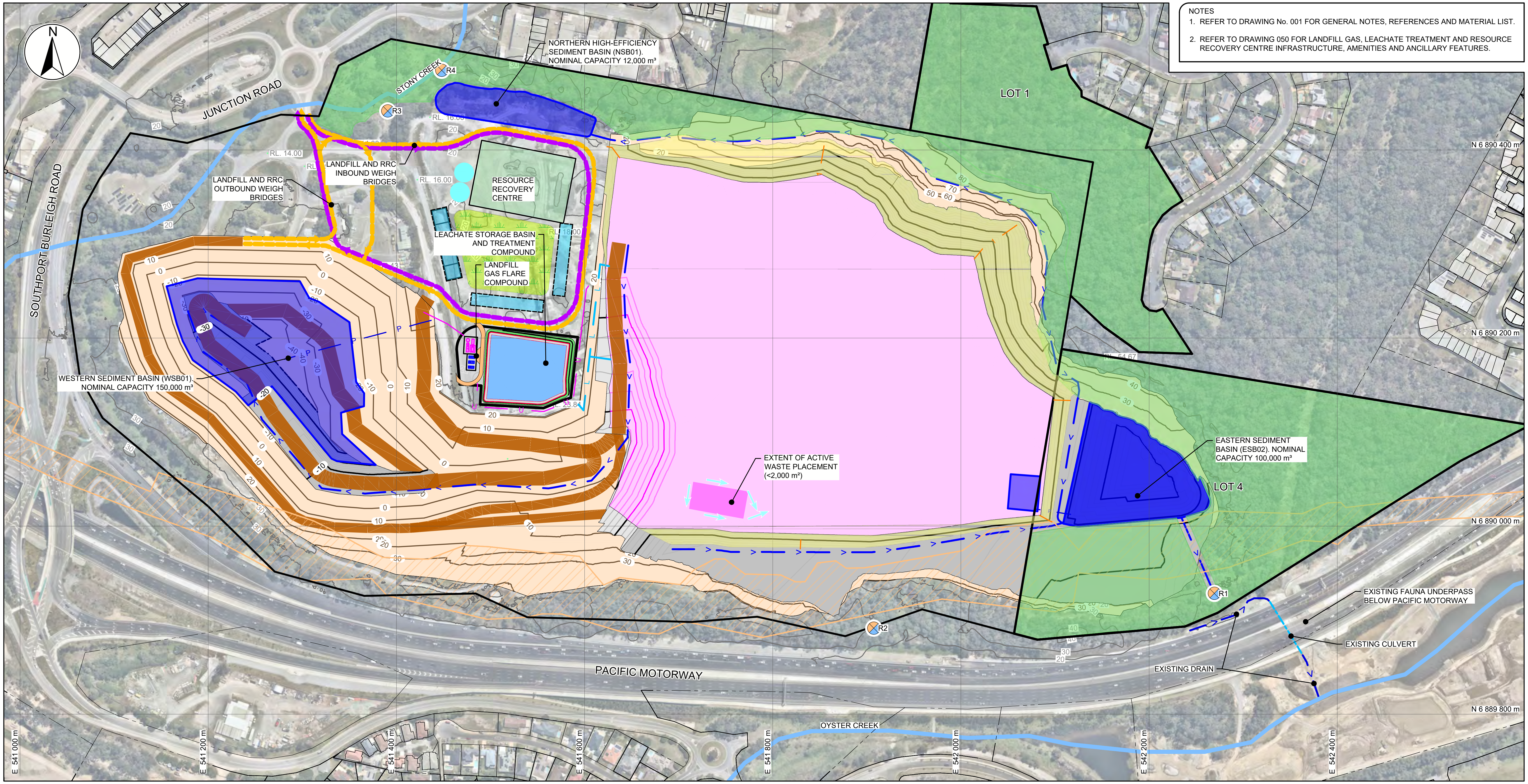
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 5

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 034 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_034.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY/ LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS)
- EXTENT OF COVERED WASTE
- STORMWATER BASIN
- > STORMWATER DRAIN
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

PREPARED: P. BAKER
MODELLED: P. BAKER
REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

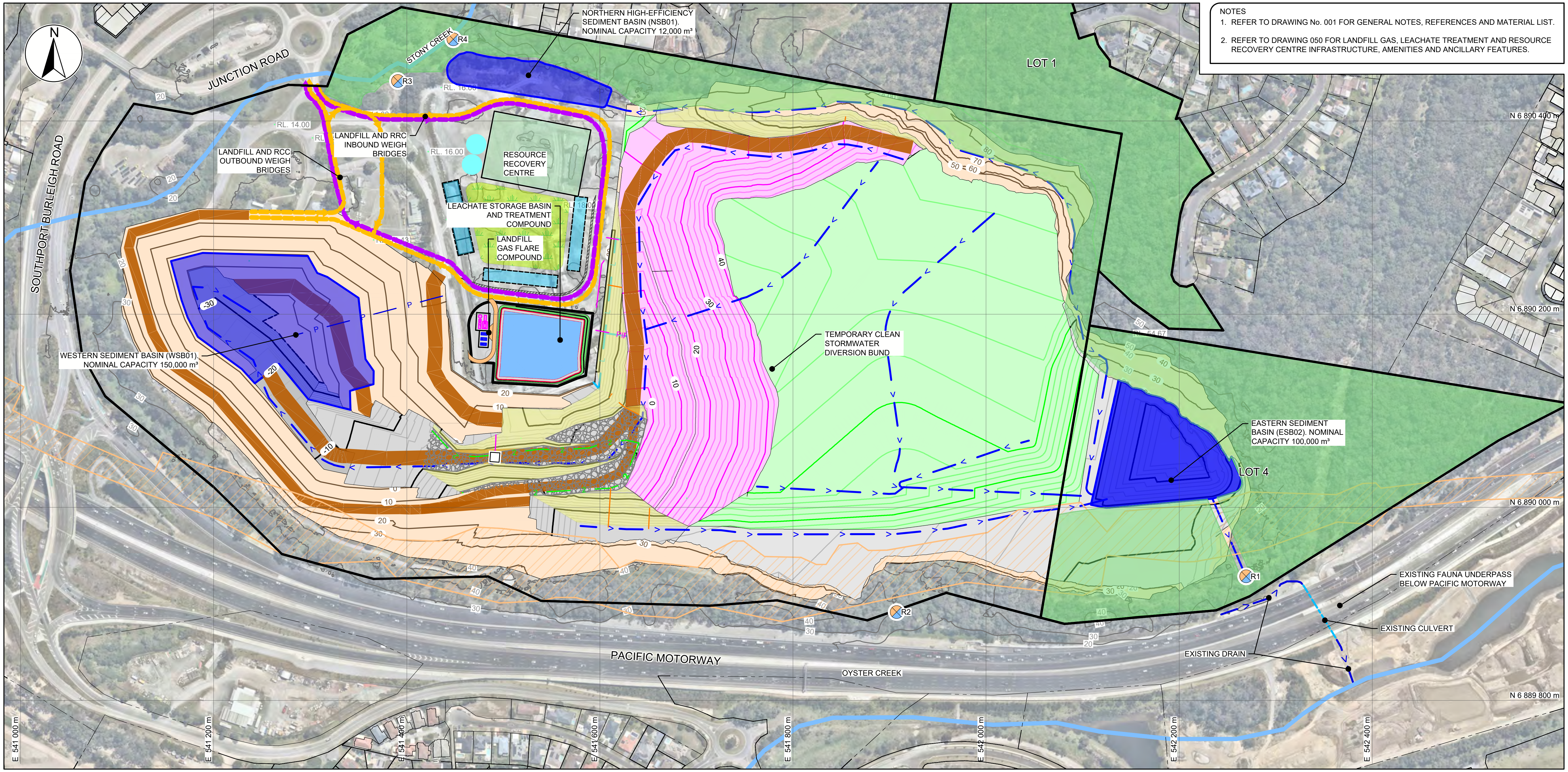
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 6

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 035 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_035.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL USE
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS) EXTENT OF COVERED WASTE
- TOP OF CAP CONTOURS (2 m INTERVALS)
- STORMWATER BASIN
- > STORMWATER DRAIN ON REHAB CAP
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT
- GAS VENT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

PREPARED: P. BAKER
MODELLED: P. BAKER
REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 7

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 036 REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_036.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER
- SUMP LOCATION

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS) EXTENT OF COVERED WASTE
- TOP OF CAP CONTOURS (2 m INTERVALS)
- PERMANENT STORMWATER BASIN
- > STORMWATER DRAIN ON REHAB CAP
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT
- GAS VENT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PRINTED DATE: 2025/10/22

PREPARED: P. BAKER
MODELLED: P. BAKER
REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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www.senversa.com.au

CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

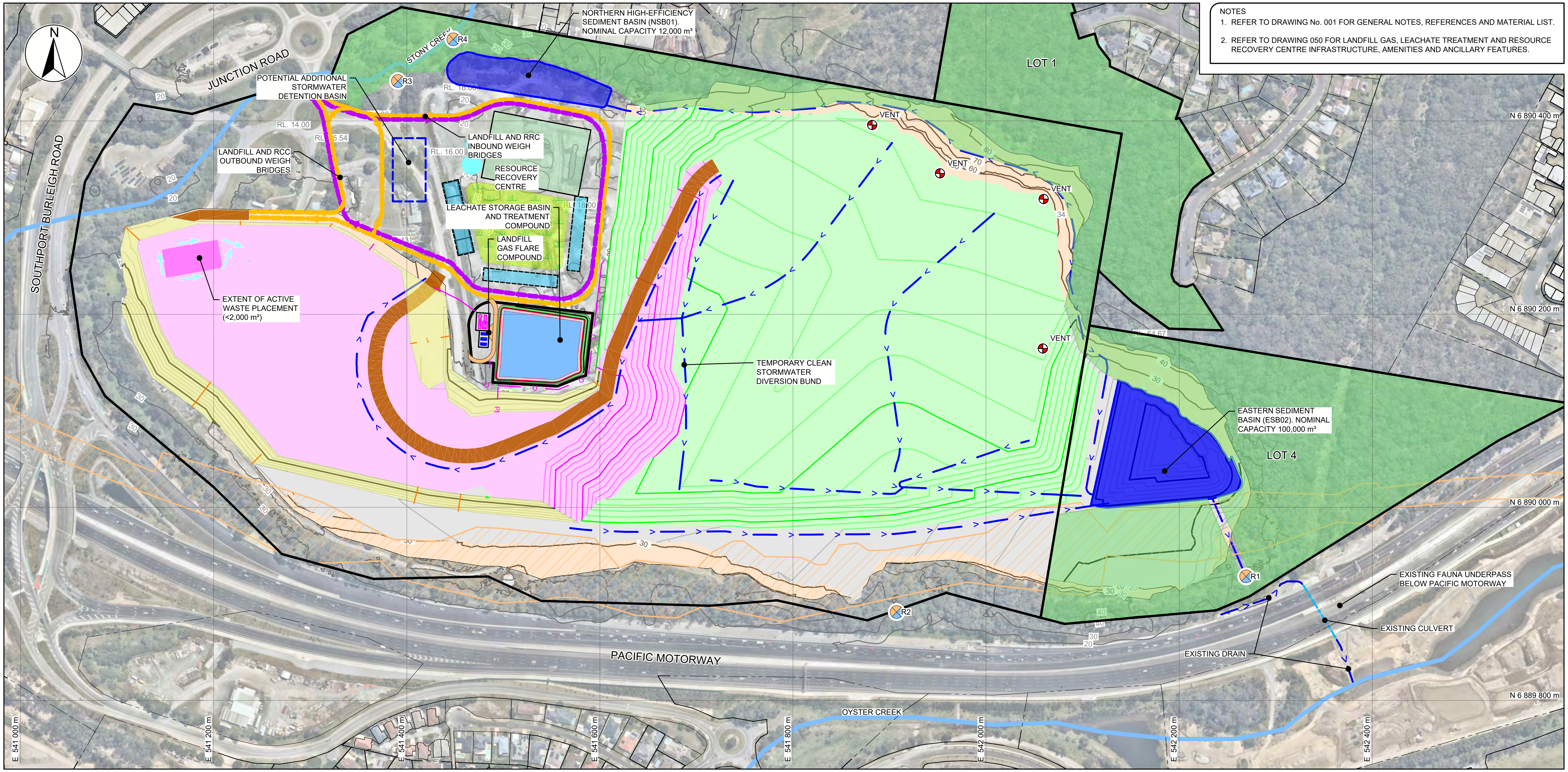
PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

DRAWING TITLE: STAGE CONSTRUCTION STEP 8

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 037 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_037.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS) EXTENT OF COVERED WASTE
- TOP OF CAP CONTOURS (2 m INTERVALS)
- PERMANENT STORMWATER BASIN
- > STORMWATER DRAIN ON REHAB CAP
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT
- GAS VENT
- > STORMWATER CHANNEL ON REHAB CAP

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED
P. BAKER

MODELLED
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REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND
S. WAURICH
REGISTRATION No. 30032

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CLIENT
BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

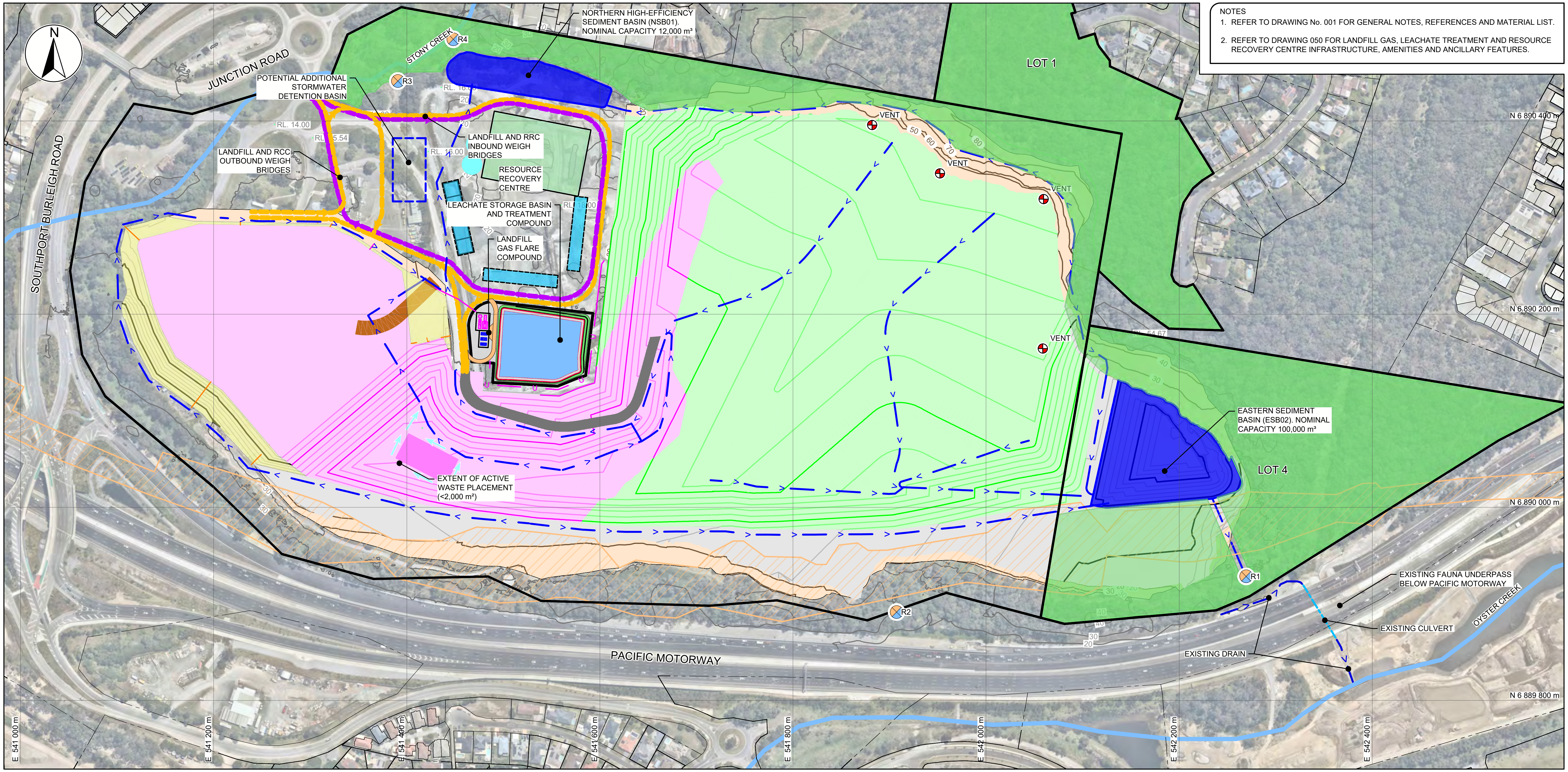
DRAWING TITLE
STAGE CONSTRUCTION STEP 9

PROJECT No. 21365 DELIVERABLE No. 008 DRAWING No. 038 REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_038.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- UNIT 21 - DRAINAGE AGGREGATE
- UNIT 50 - GEOCOMPOSITE DRAINAGE BLANKET
- 1 — UNIT 22 - DN160 PERFORATED DRAINAGE COLLECTION PIPES
- 2 — UNIT 23 - DN200 PERFORATED DRAINAGE COLLECTION PIPES
- PIPE — UNIT 24 - DN630 SUMP RISER

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS) EXTENT OF COVERED WASTE
- TOP OF CAP CONTOURS (2 m INTERVALS)
- PERMANENT STORMWATER BASIN
- > STORMWATER DRAIN ON REHAB CAP
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT
- GAS VENT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED: P. BAKER
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REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 10

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 039 | REV 3

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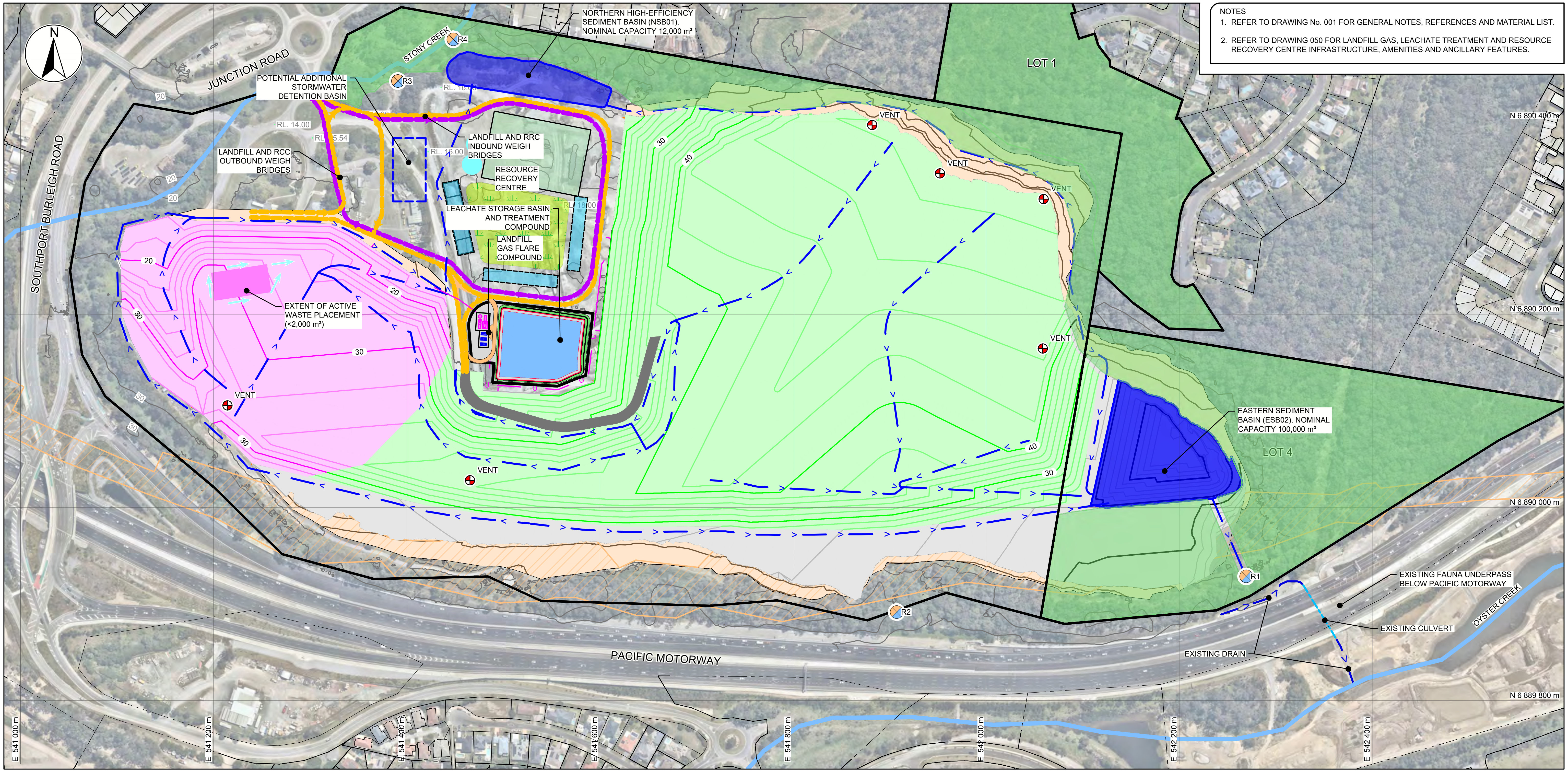
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_039.dwg



NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

CURRENT APPROVED RELEASE POINTS EPPR00810513
R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL ACCESS TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL

LEGEND - LANDFILL STAGING
- TOP OF WASTE CONTOURS (2 m INTERVALS) EXTENT OF COVERED WASTE
- TOP OF CAP CONTOURS (2 m INTERVALS)
- PERMANENT STORMWATER BASIN
- STORMWATER DRAIN ON REHAB CAP
- P SURFACE PUMP MAIN TO SEDIMENT BASIN
- U LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT
- GAS VENT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
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PRINTED DATE: 2025/10/22

PREPARED P. BAKER
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DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
STAGE CONSTRUCTION STEP 11

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 040 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_040.dwg

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION

LEGEND - MASTERPLAN
- LAND FOR ENVIRONMENTAL PURPOSES
- LANDFILL TRAFFIC FLOW
- RRC TRAFFIC FLOW

LEGEND - LANDFILL BASE
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL

CURRENT APPROVED RELEASE POINTS EPPR00810513
- R1 RELEASE POINTS — REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

LEGEND - TOP OF CAP
- TOP OF CAP CONTOURS (2 m INTERVALS)
- STORMWATER BASINS
- STORMWATER DRAIN ON REHAB CAP
- LANDFILL UTILITIES (GAS, LEACHATE AND POWER)
- GAS VENT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 50 100 150 200 m
1:4,000 METRES

PRINTED BY: YASH KHANDELWAL

PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED: P. BAKER

MODELLED: P. BAKER

REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56

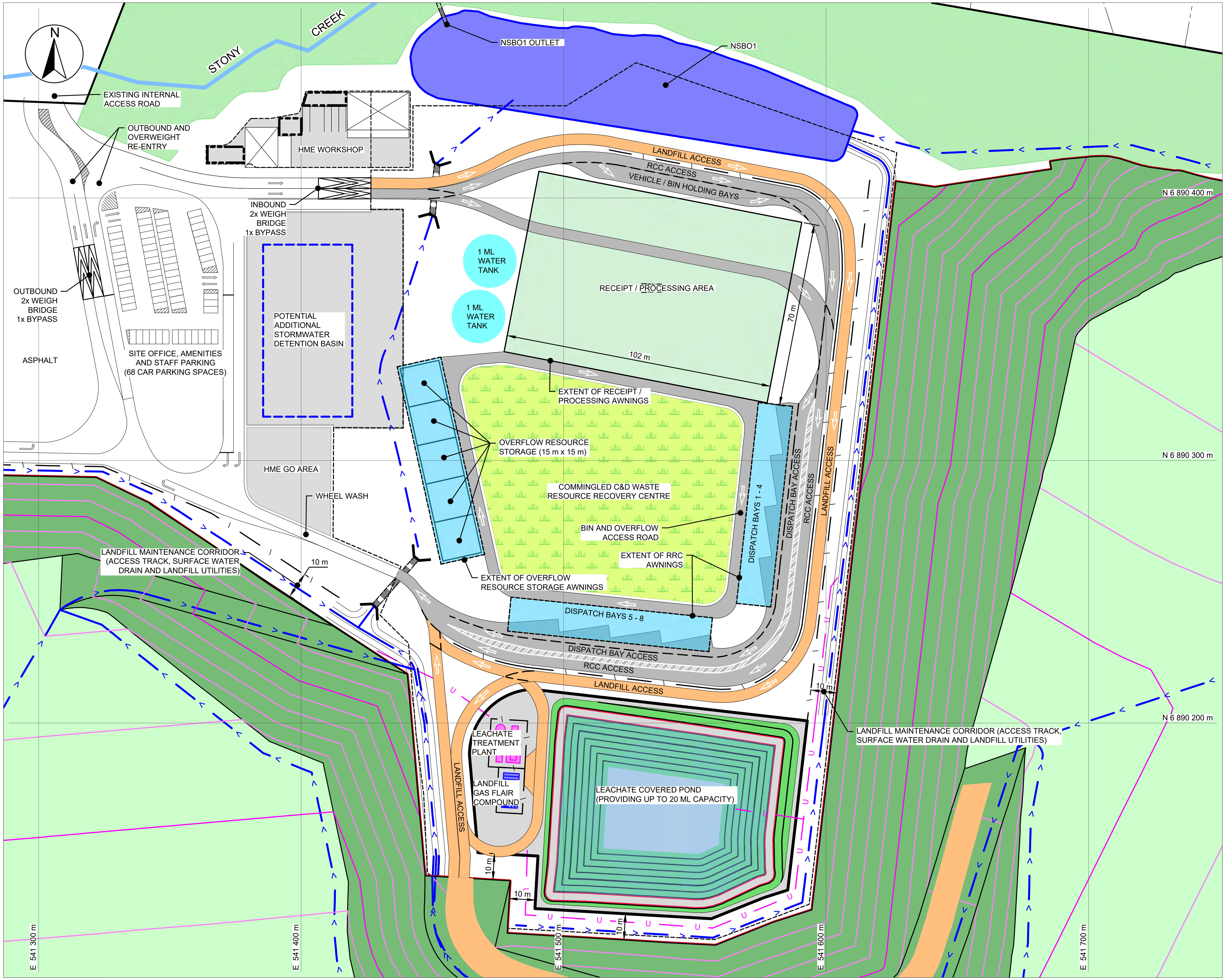
A3

PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

DRAWING TITLE: STAGE CONSTRUCTION STEP 12

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 041 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_041.dwg



LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - TOP OF CAP
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS SUITABLE FOR FUTURE COMMERCIAL/INDUSTRIAL LAND USE
- TOP OF CAP - BATTER AREAS SUITABLE FOR FUTURE GREEN SPACE
- STORMWATER DRAIN
- UNIT 03 - PAVEMENT MATERIAL

LEGEND - STORMWATER MANAGEMENT AND UTILITIES
- PERMANENT STORMWATER BASIN
- CULVERT AND ENDWALLS
- LANDFILL UTILITIES (GAS, LEACHATE AND POWER)

LEGEND - RECYCLING AND RECOVERY CENTRE
- LANDSCAPED AREA
- FENCELINE

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 002 FOR MASTERPLAN AREA EXTENTS.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 10 20 30 40 50 m
1:1,500 METRES

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PRINTED DATE: 2025/10/22

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	PRELIMINARY CONCEPT DESIGN	PM/PB	SW	JSB	2025.03.20

PREPARED
P. BAKER

MODELLED
P. BAKER

REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND
S. WAURICH
REGISTRATION No. 30032

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BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56

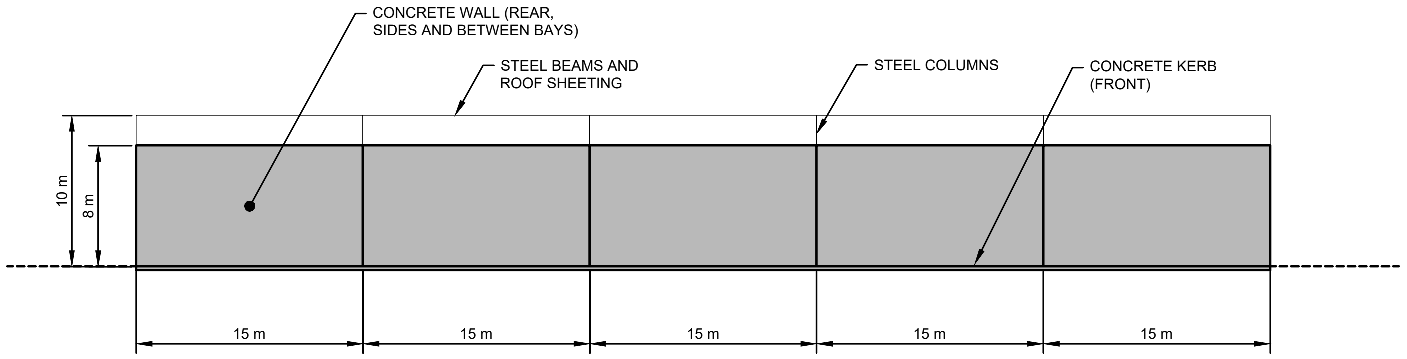
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

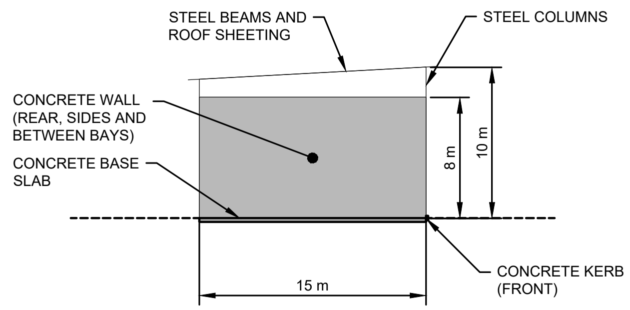
DRAWING TITLE
RESOURCE RECOVERY CENTER GENERAL LAYOUT

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 050 | REV 3

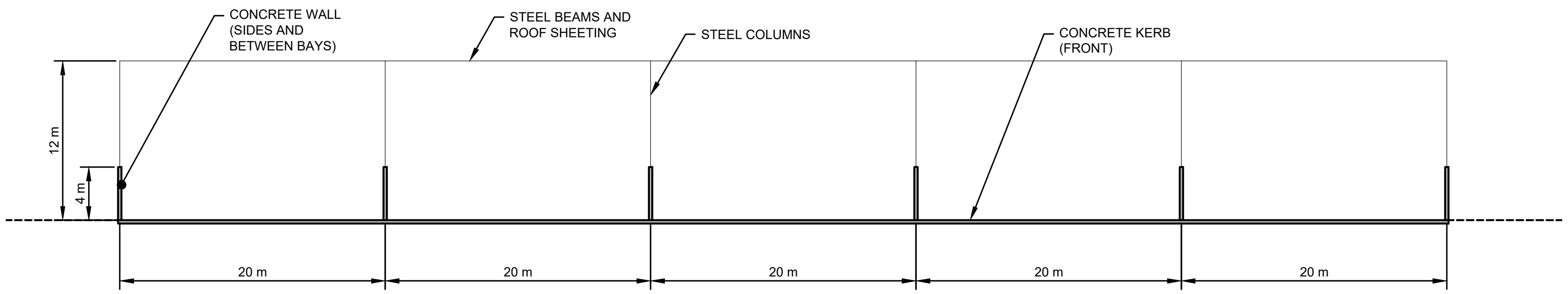
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_050.dwg



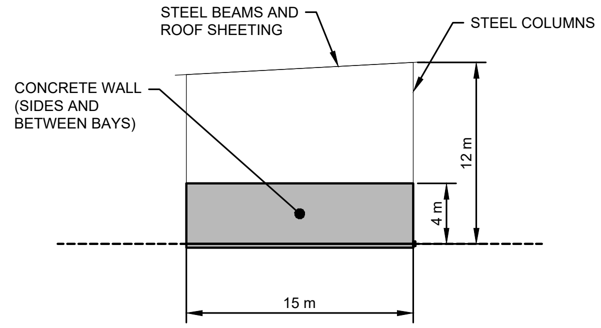
RRC STORAGE BAYS - FRONT ELEVATION
SCALE 1:500



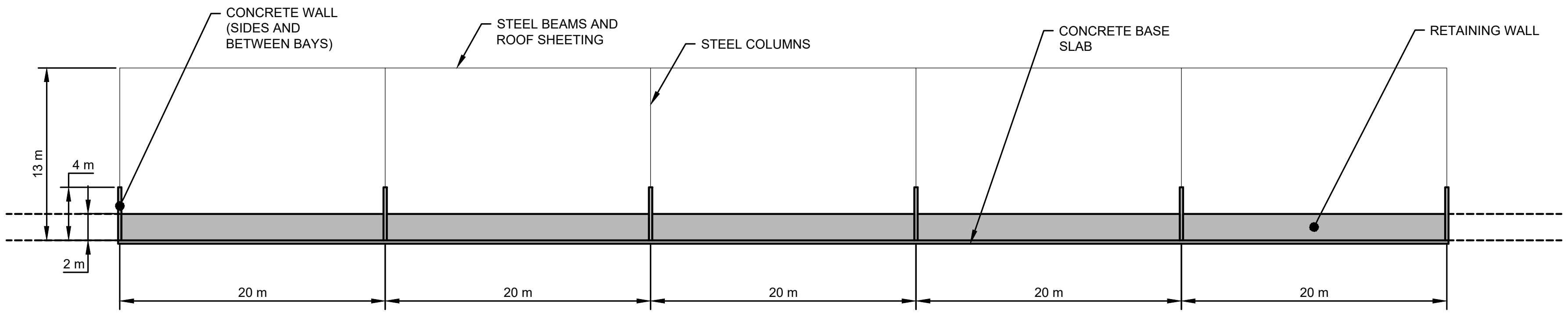
RRC STORAGE BAYS - SIDE ELEVATION
SCALE 1:500



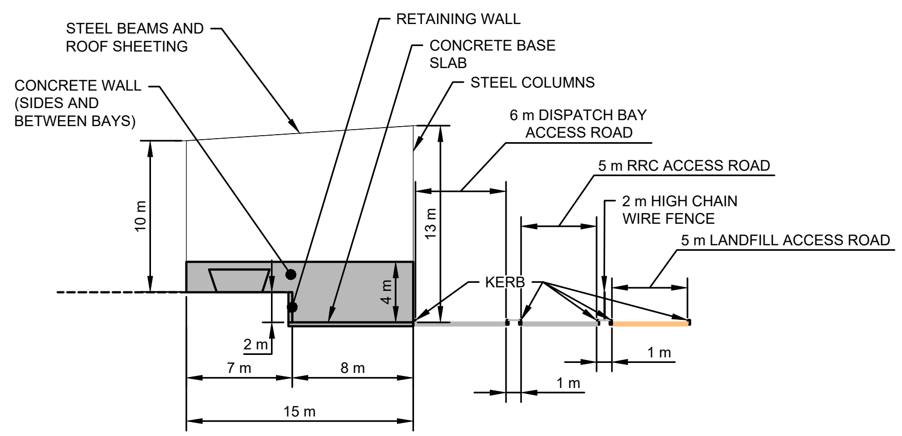
RRC DISPATCH BAYS - FRONT ELEVATION (OPTION 1)
SCALE 1:500



RRC DISPATCH BAYS - SIDE ELEVATION (OPTION 1)
SCALE 1:500



RRC DISPATCH BAYS - FRONT ELEVATION (OPTION 2)
SCALE 1:500



RRC DISPATCH BAYS - SIDE ELEVATION (OPTION 2)
SCALE 1:500

PRINTED BY: YASH KHANDELWAL

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 5 10 15 20 25 m
1:500 METRES

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PRINTED DATE: 2025/10/22

PREPARED
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MODELLED
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REGISTRATION No. 30032

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www.senversa.com.au

CLIENT
BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56

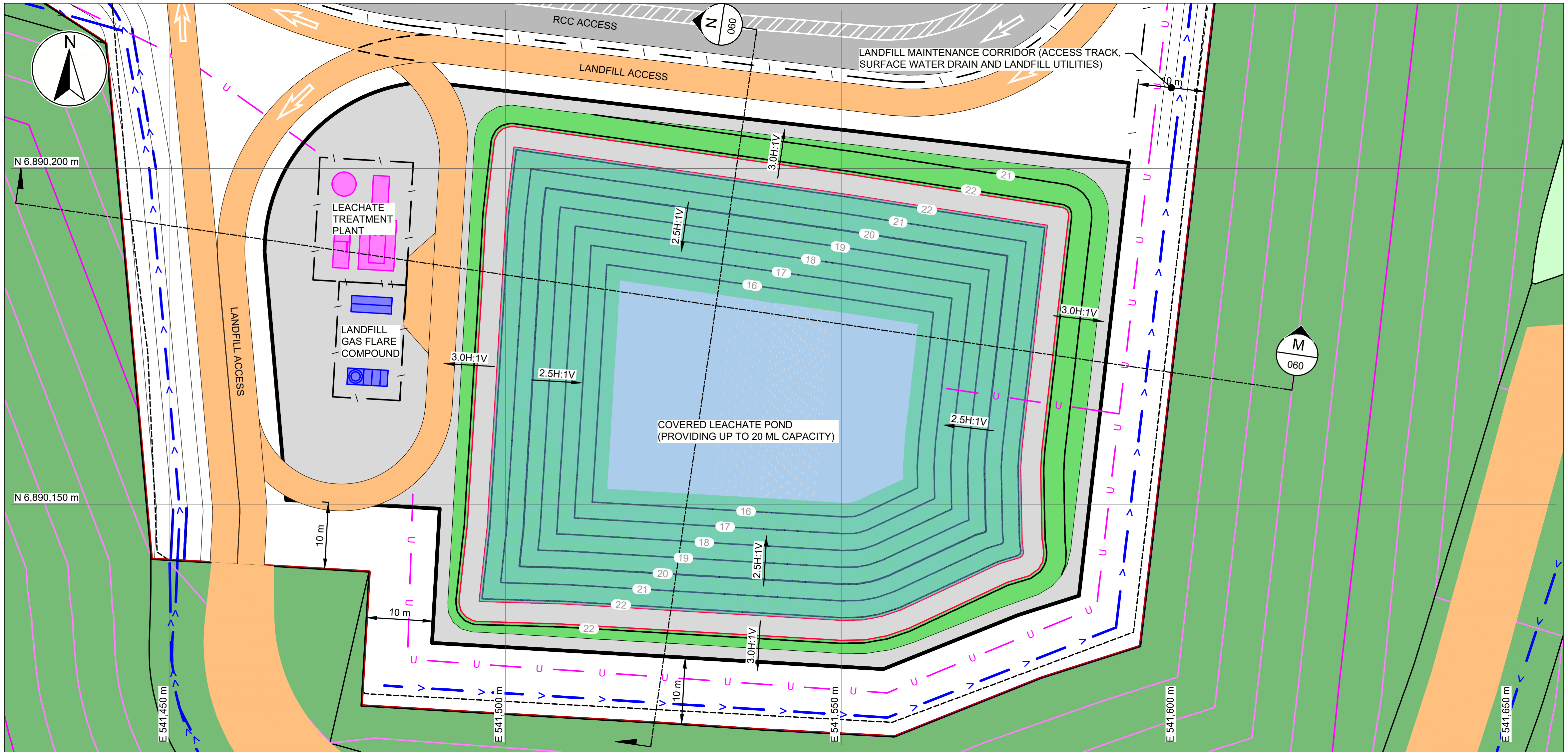
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
RESOURCE RECOVERY CENTER GENERAL ELEVATIONS

PROJECT No. 21365 | DRAWING No. 051 | REV 3

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_051.dwg



LEGEND - EXISTING

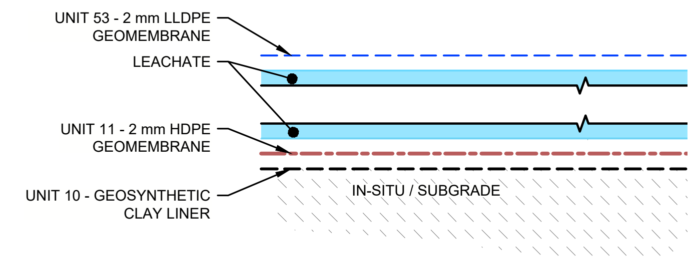
- SITE BOUNDARY
- PARCEL BOUNDARIES
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - TOP OF CAP

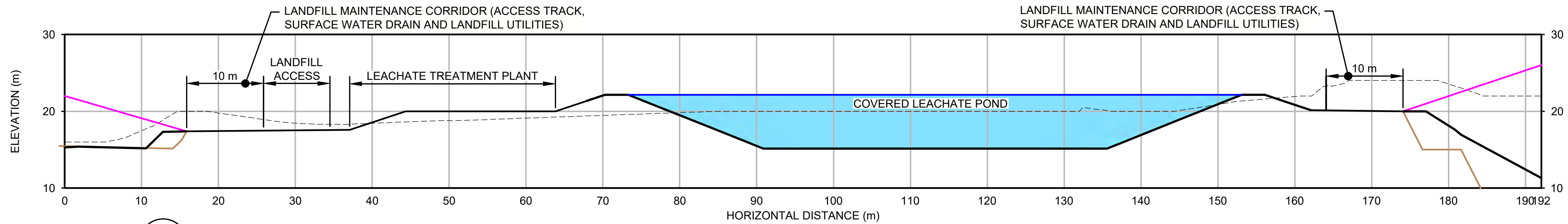
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS SUITABLE FOR FUTURE COMMERCIAL/INDUSTRIAL LAND USE
- TOP OF CAP - BATTER AREAS SUITABLE FOR FUTURE GREEN SPACE
- STORMWATER DRAIN
- UNIT 03 - PAVEMENT MATERIAL

LEGEND - STORMWATER MANAGEMENT AND UTILITIES

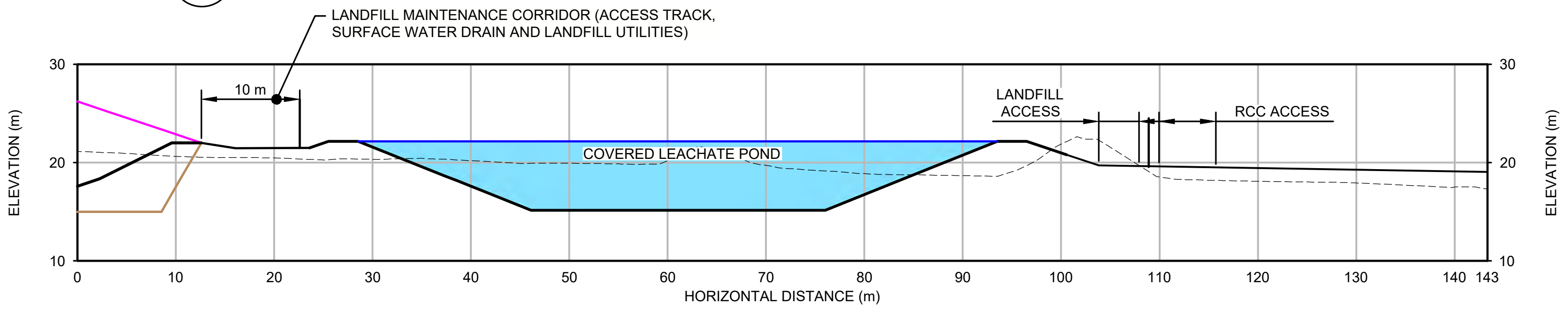
- PERMANENT STORMWATER BASIN
- CULVERT AND ENDWALLS
- LANDFILL UTILITIES (GAS, LEACHATE AND POWER)



TYPICAL LEACHATE POND LINER PROFILE
SCALE 1:25



SECTION M (060) LEACHATE POND - WEST TO EAST
SCALE 1:750



SECTION N (060) LEACHATE POND - SOUTH TO NORTH
SCALE 1:750

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 002 FOR MASTERPLAN AREA EXTENTS.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 0.25 0.5 0.75 1 1.25 1.5 m
1:25 METRES
0 10 20 30 m
1:750 METRES

PRINTED BY: YASH KHANDELWAL
PRINT DATE: 2025/10/23

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PREPARED
P. BAKER

MODELLED
P. BAKER

REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND
S. WAURICH
REGISTRATION No. 30032

senversa
www.senversa.com.au

CLIENT
BORAL

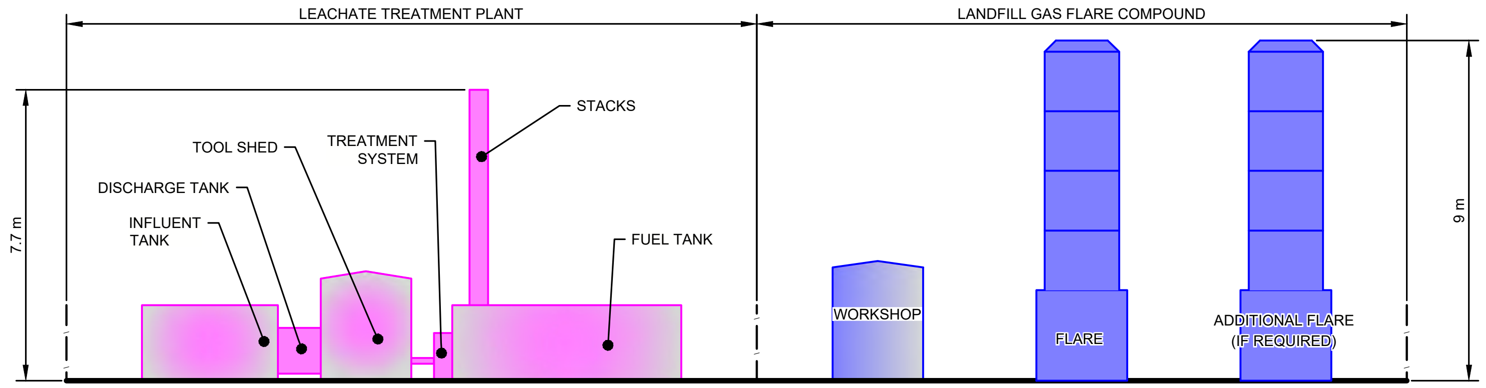
DATUM / PROJECTION
AHD / MGA '94 ZONE 56
A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
LEACHATE POND LAYOUT AND SECTIONS

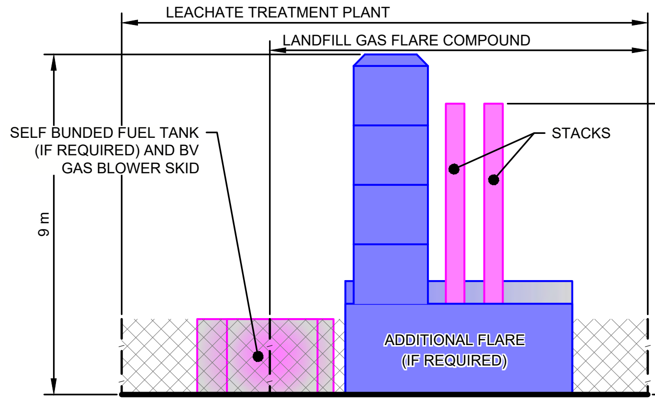
PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 060 | REV 3

FILE LOCATION: C:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_060.dwg



WEST ELEVATION

SCALE 1:200



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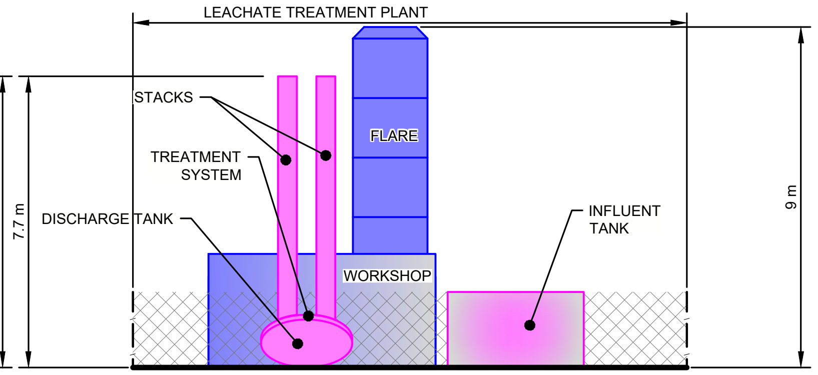
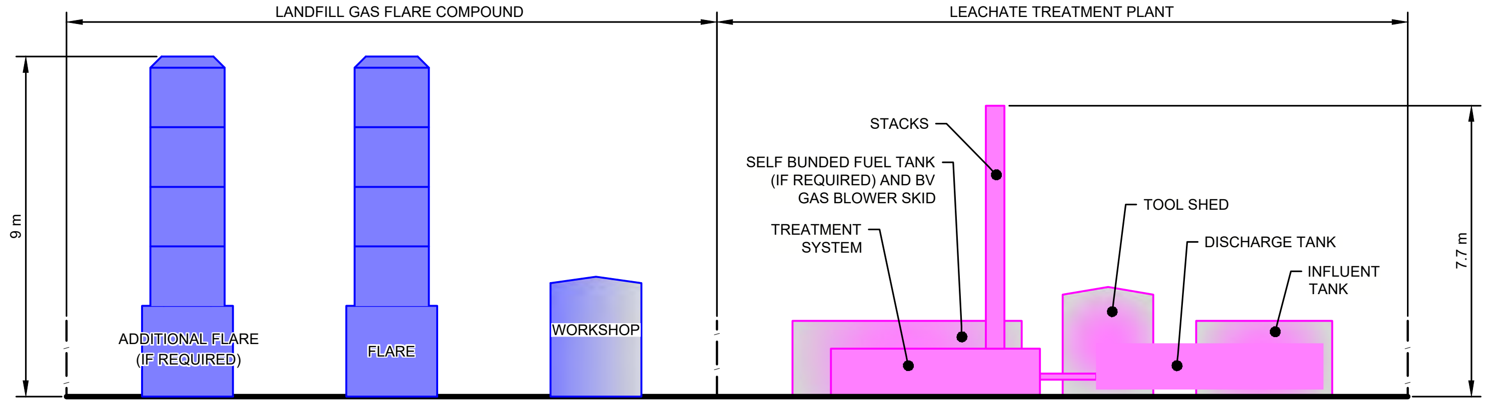
SCALE 1:200



NORTH ELEVATION

SCALE 1:200



EAST ELEVATION

SCALE 1:200

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 002 FOR MASTERPLAN AREA EXTENTS.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 2.5 5 7.5 10 m
1:200 METRES

3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				
REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE

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DATUM / PROJECTION
AHD / MGA '94 ZONE 56

A3

PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

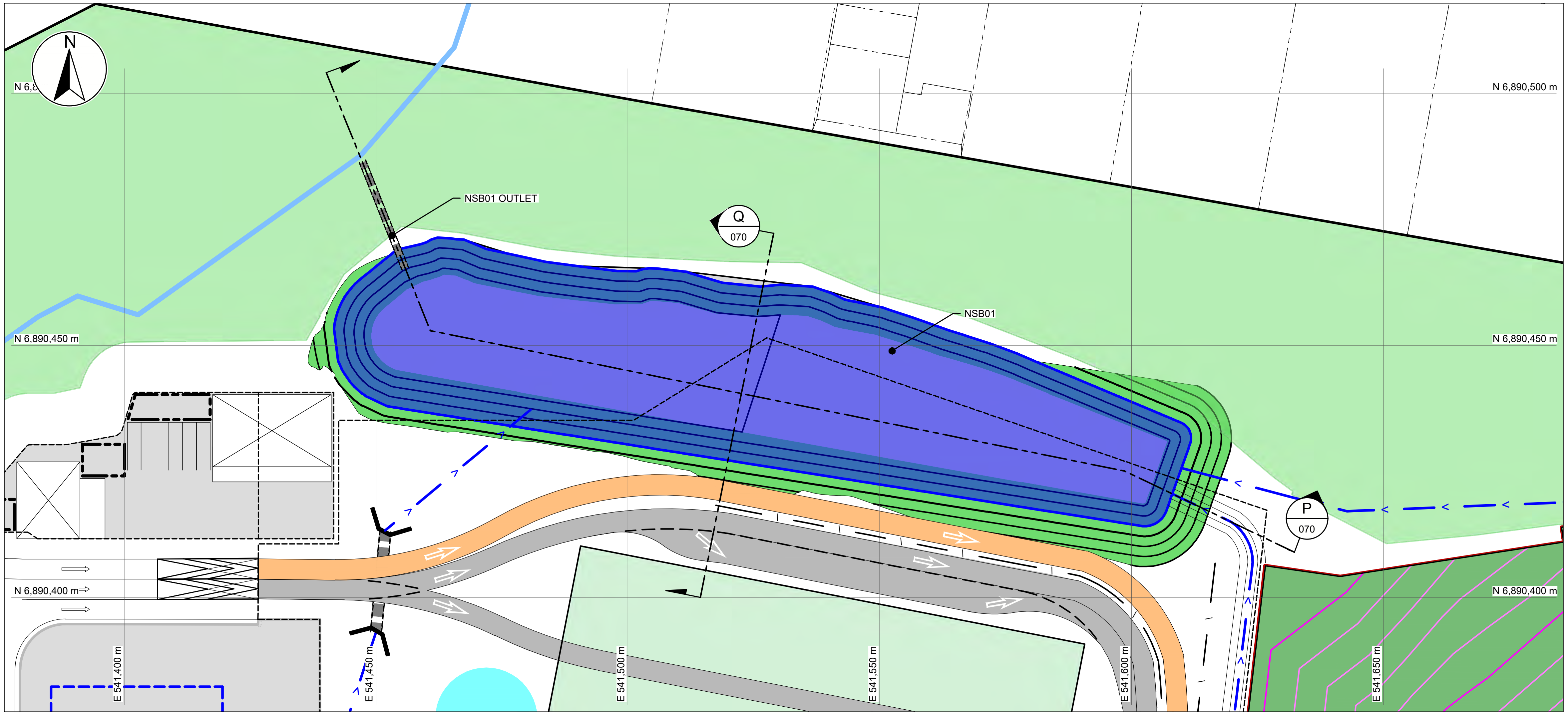
DRAWING TITLE
LANDFILL GAS AND LEACHATE TREATMENT COMPOUND

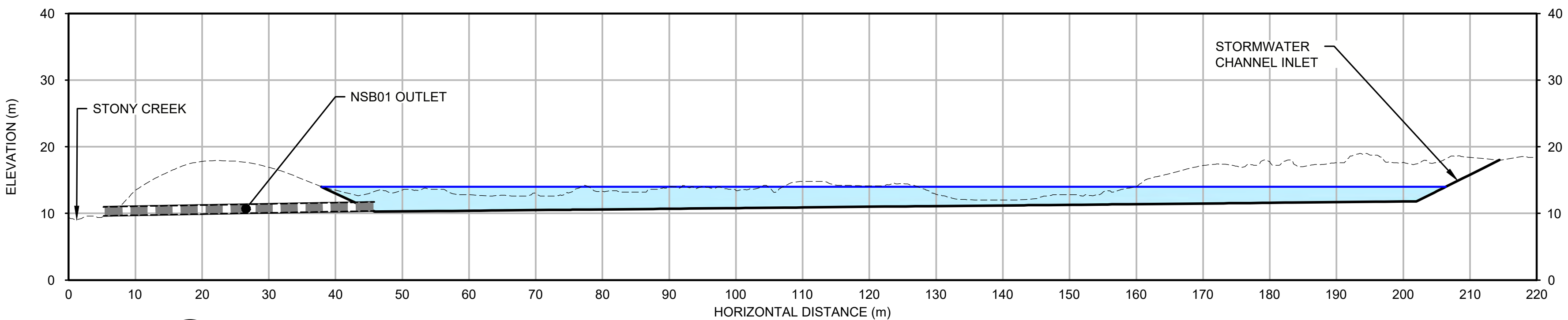
PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 061 | REV 3

PRINTED BY: YASH KHANDELWAL

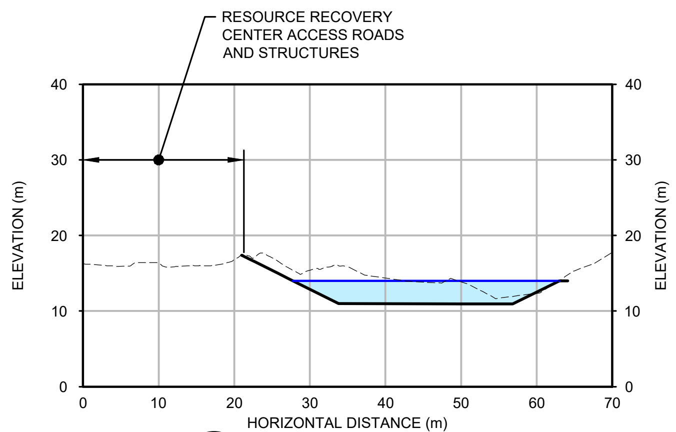
PRINTED DATE: 2025/10/22

FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_061.dwg





SECTION P 070 NORTHERN SEDIMENT POND LONGSECTION
SCALE 1:1,000



SECTION Q 070 NORTHERN SEDIMENT POND CROSS SECTION
SCALE 1:1,000

LEGEND - EXISTING

- SITE BOUNDARY
- PARCEL BOUNDARIES
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - TOP OF CAP

- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS SUITABLE FOR FUTURE COMMERCIAL/INDUSTRIAL LAND USE
- TOP OF CAP - BATTER AREAS SUITABLE FOR FUTURE GREEN SPACE
- STORMWATER DRAIN
- UNIT 03 - PAVEMENT MATERIAL

LEGEND - STORMWATER MANAGEMENT AND UTILITIES

- PERMANENT STORMWATER BASIN
- CULVERT AND ENDWALLS
- LANDFILL UTILITIES (GAS, LEACHATE AND POWER)

NOTES

1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 002 FOR MASTERPLAN AREA EXTENTS.

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 10 20 30 40 50 m
1:1,000 METRES

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PRINTED DATE: 2025/10/22

PREPARED
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CLIENT
BORAL

DATUM / PROJECTION
AHD / MGA '94 ZONE 56

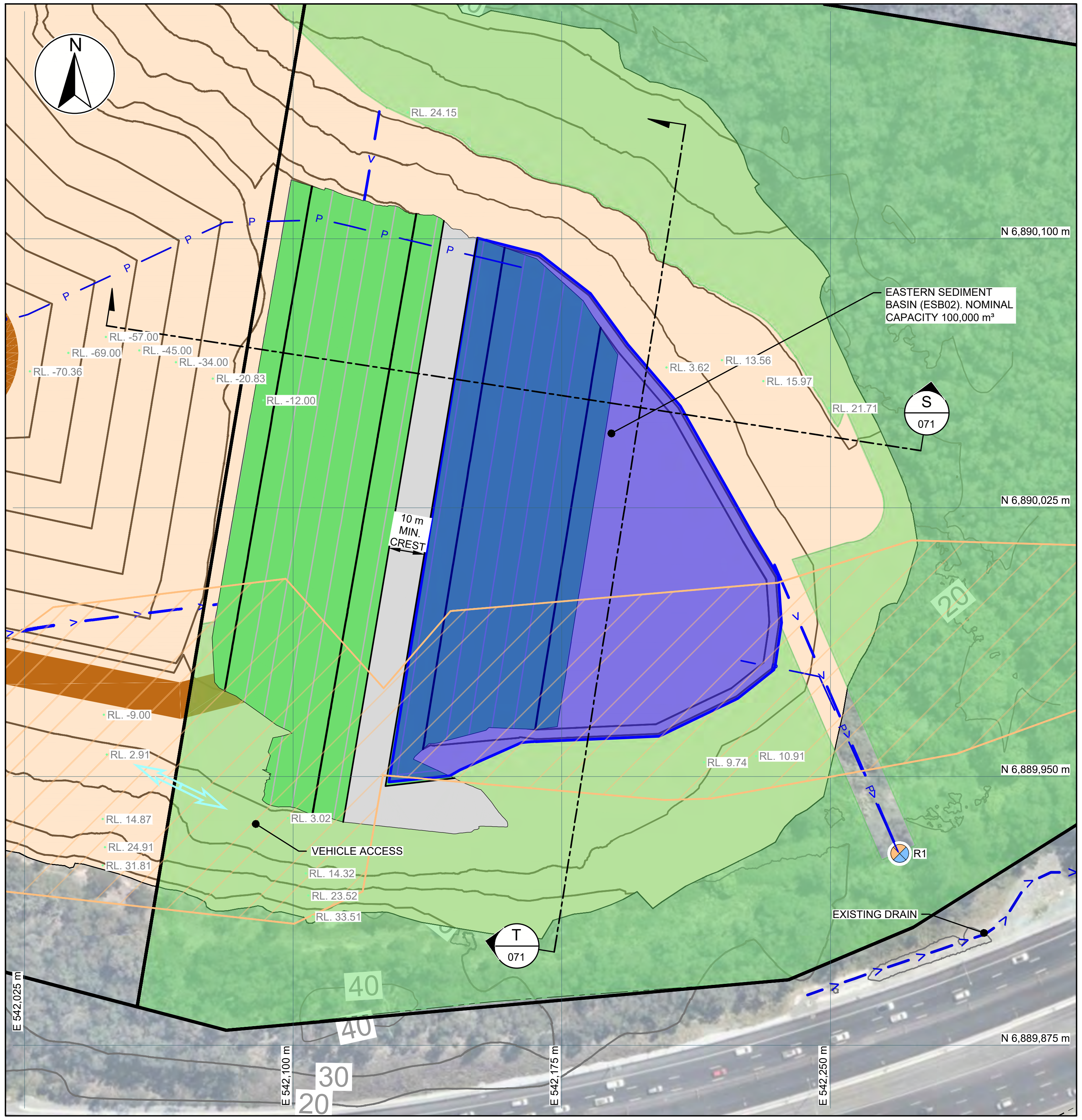
A3

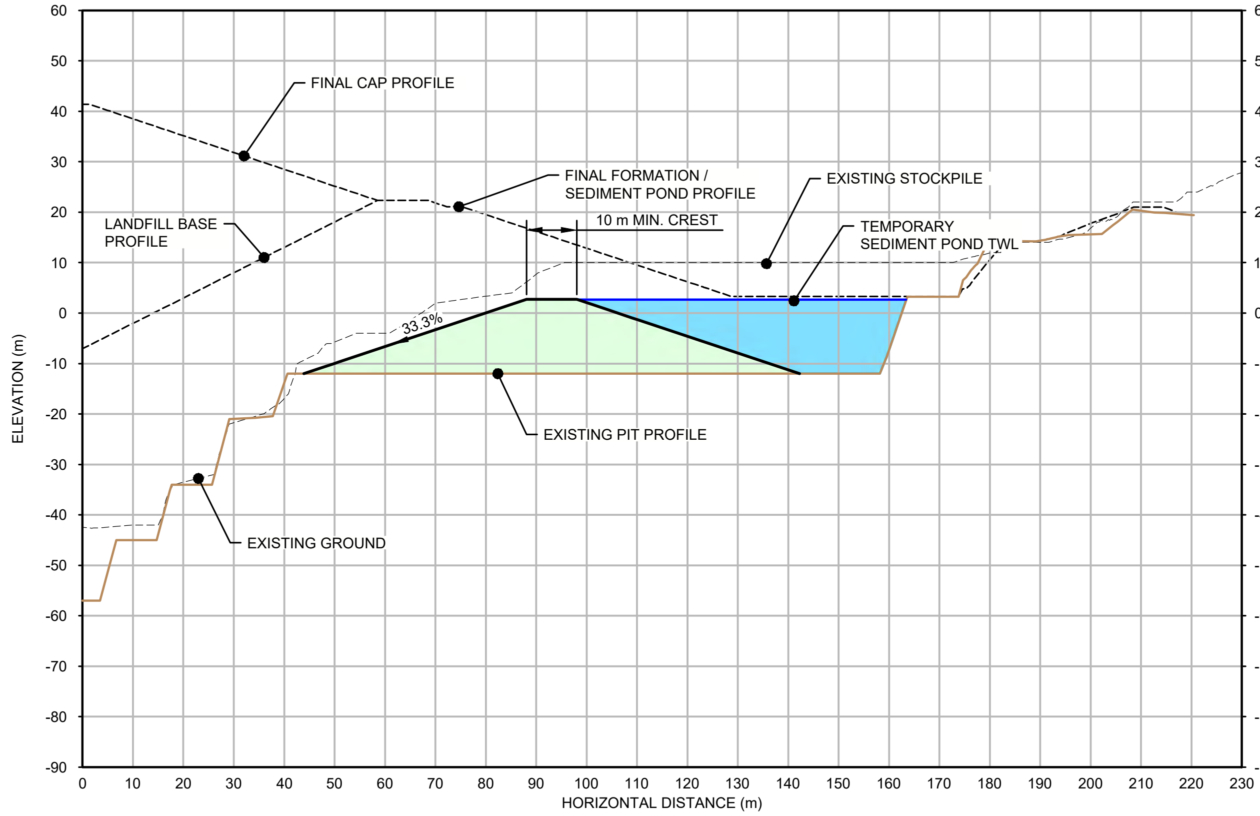
PROJECT TITLE
WEST BURLEIGH CONSTRUCTION
WASTE AND RESOURCE RECOVERY PROJECT
CONCEPT DESIGN

DRAWING TITLE
NORTHERN SEDIMENT BASIN LAYOUT AND SECTIONS

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 070 | REV 3

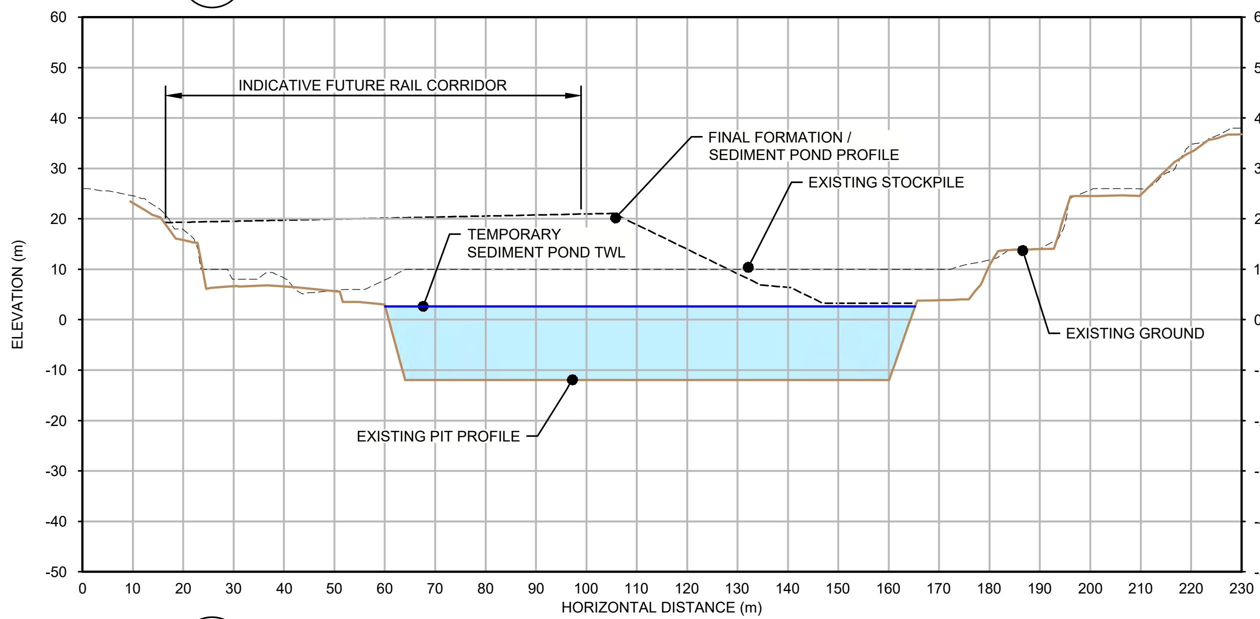
FILE LOCATION: c:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_070.dwg





SECTION S 071 EASTERN SEDIMENT POND STAGE 1 - WEST TO EAST

SCALE 1:1,500



SECTION T 071 EASTERN SEDIMENT POND STAGE 1 - SOUTH TO NORTH

SCALE 1:1,500

LEGEND - EXISTING

- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION

- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND - STAGE 1 EASTERN SEDIMENT POND

- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL

LEGEND - LANDFILL STAGING

- TEMPORARY STORMWATER BASIN
- STORMWATER DRAIN
- SURFACE PUMP MAIN TO SEDIMENT BASIN
- TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 10 20 30 40 50 m
1:1,500 METRES

CURRENT APPROVED RELEASE POINTS EPPR00810513

R1	RELEASE POINTS	REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

NOTES

1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

PRINTED BY: YASH KHANDELWAL

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PREPARED: P. BAKER

MODELLED: P. BAKER

REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH

REGISTRATION No. 30032

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CLIENT: BORAL

DATUM / PROJECTION: AHD / MGA '94 ZONE 56

A3

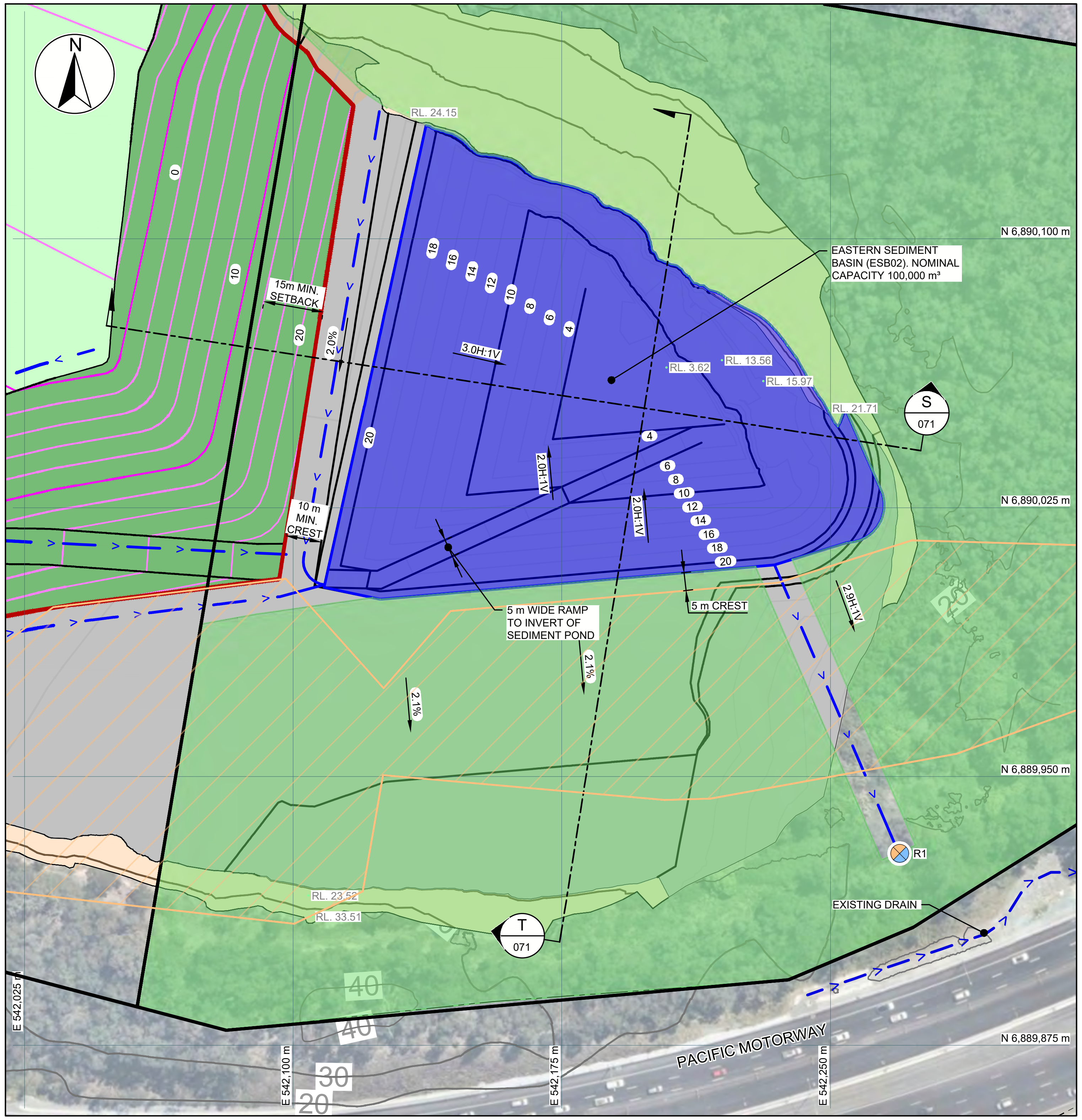
PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

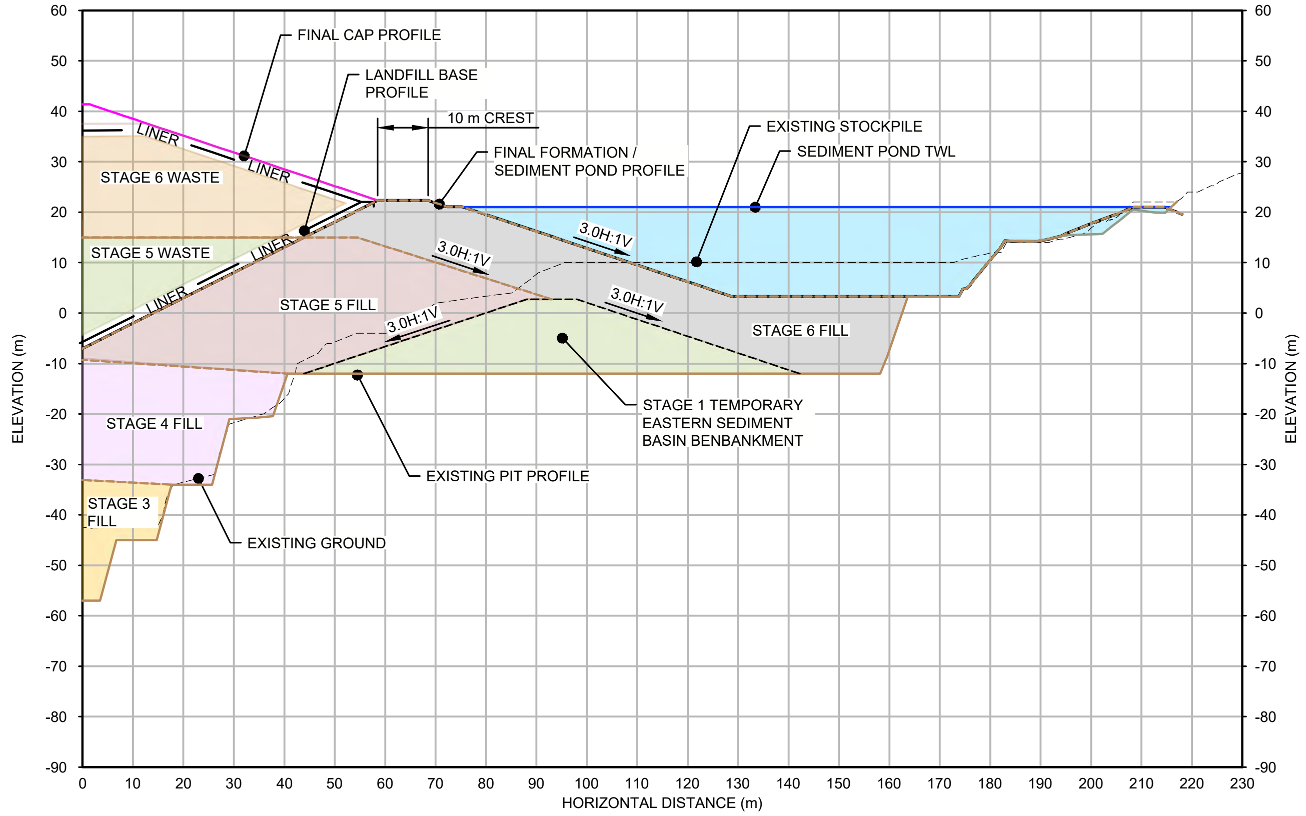
DRAWING TITLE: EASTERN SEDIMENT BASIN STAGE 1 - LAYOUT AND SECTIONS

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 071 | REV 3

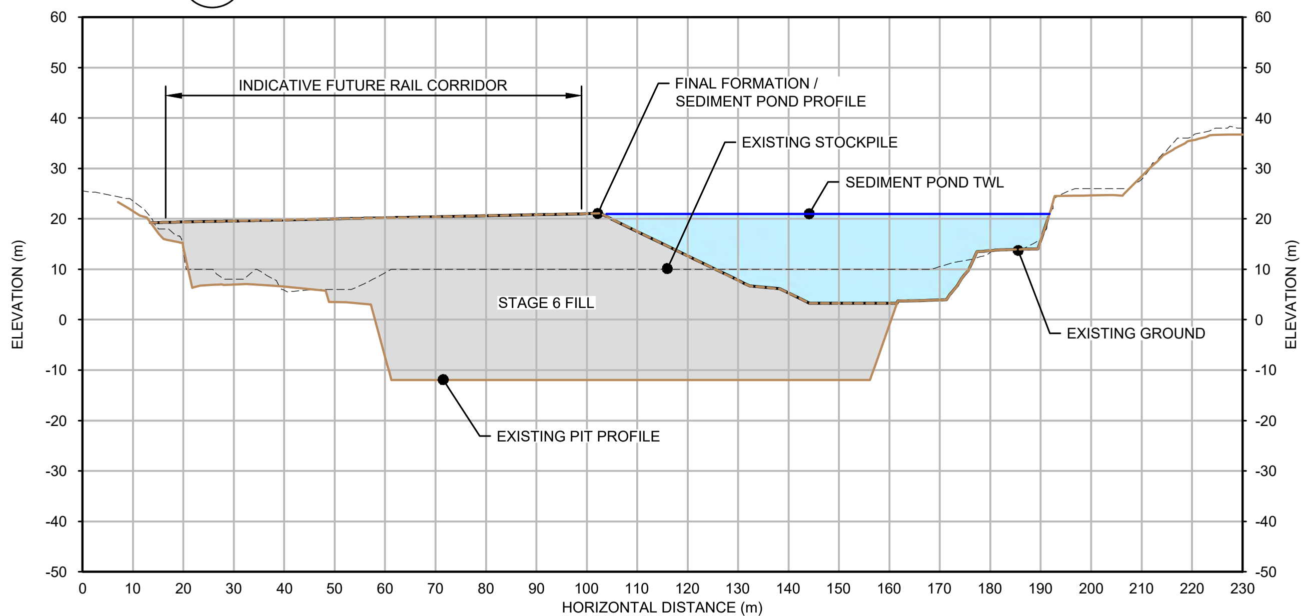
PRINTED DATE: 2025/10/22

FILE LOCATION: C:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_071.dwg





SECTION U 072 EASTERN SEDIMENT POND FINAL - WEST TO EAST
SCALE 1:1,500



SECTION R 072 EASTERN SEDIMENT POND FINAL - SOUTH TO NORTH
SCALE 1:1,500

LEGEND - EXISTING
- SITE BOUNDARY
- PARCEL BOUNDARIES
- INDICATIVE FUTURE RAIL CORRIDOR
- EXISTING SITE CONTOURS (10 m INTERVALS)
- APPROXIMATE ALIGNMENT OF EXISTING CREEKS

LEGEND - PIT EXPANSION
- QUARRY PIT EXPANSION CONTOURS (10 m INTERVALS)
- EXTENT OF QUARRY PIT EXPANSION
- INTERNAL QUARRY / LANDFILL HAUL ROADS

LEGEND
- LANDFILL BASE CONTOURS (2 m INTERVALS)
- GENERAL FILL
- TOP OF CAP CONTOURS (2 m INTERVALS)
- TOP OF CAP - PLATEAU AREAS
- TOP OF CAP - BATTER AREAS

LEGEND - LANDFILL STAGING
- STORMWATER BASIN
- STORMWATER DRAIN
- SURFACE PUMP MAIN TO SEDIMENT BASIN
- TEMPORARY LEACHATE PUMPED MAIN TO STORAGE TANKS AND TREATMENT PLANT

SCALE / STATUS

NOT FOR CONSTRUCTION
ISSUED FOR APPROVAL

0 10 20 30 40 50 m
1:1,500 METRES

CURRENT APPROVED RELEASE POINTS EPPR00810513

R1	RELEASE POINTS	REFER TO DRAWINGS 002 AND 003 FOR THE COORDINATE LOCATIONS OF CURRENT APPROVED RELEASE POINTS

NOTES
1. REFER TO DRAWING No. 001 FOR GENERAL NOTES, REFERENCES AND MATERIAL LIST.
2. REFER TO DRAWING 050 FOR LANDFILL GAS, LEACHATE TREATMENT AND RESOURCE RECOVERY CENTRE INFRASTRUCTURE, AMENITIES AND ANCILLARY FEATURES.

REV	DESCRIPTION	PREPARED	REVIEWED	APPROVED	DATE
3	REVISED CONCEPT DESIGN	PB	SW	JSB	2025-10-23
2	NOT PREVIOUSLY ISSUED				

PREPARED: P. BAKER
MODELLED: P. BAKER
REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND: S. WAURICH
REGISTRATION No. 30032

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CLIENT: BORAL
DATUM / PROJECTION: AHD / MGA '94 ZONE 56
A3

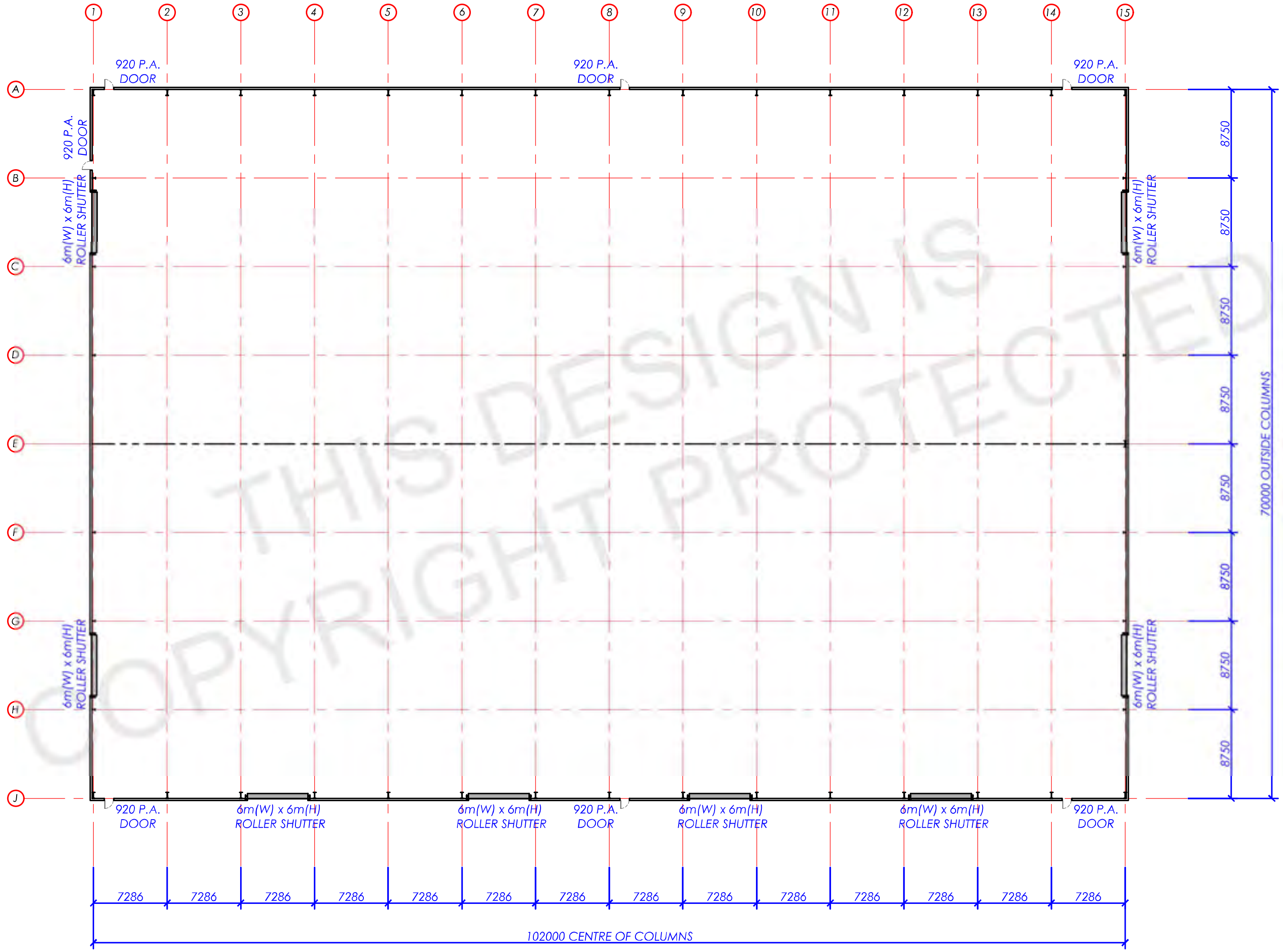
PROJECT TITLE: WEST BURLEIGH CONSTRUCTION WASTE AND RESOURCE RECOVERY PROJECT CONCEPT DESIGN

DRAWING TITLE: EASTERN SEDIMENT BASIN FINAL - LAYOUT AND SECTIONS

PROJECT No. 21365 | DELIVERABLE No. 008 | DRAWING No. 072 | REV 3

PRINTED BY: YASH KHANDELWAL
PRINTED DATE: 2025/10/22
FILE LOCATION: C:\Users\yash.khandelwal\DC\ACCDocs\Senversa\BRL_Ibis\project files\9_projects\21365_project_ibis\008\1_DWG\21365_008_072.dwg

PROPOSED 102 x 70 x 15m INDUSTRIAL SHED FOR SENVERSA



Entegra SIGNATURE STRUCTURES IN YOUR WORLD.

NOTES:

UNLESS OTHERWISE STATED ALL DIMENSIONS IN MILLIMETERS

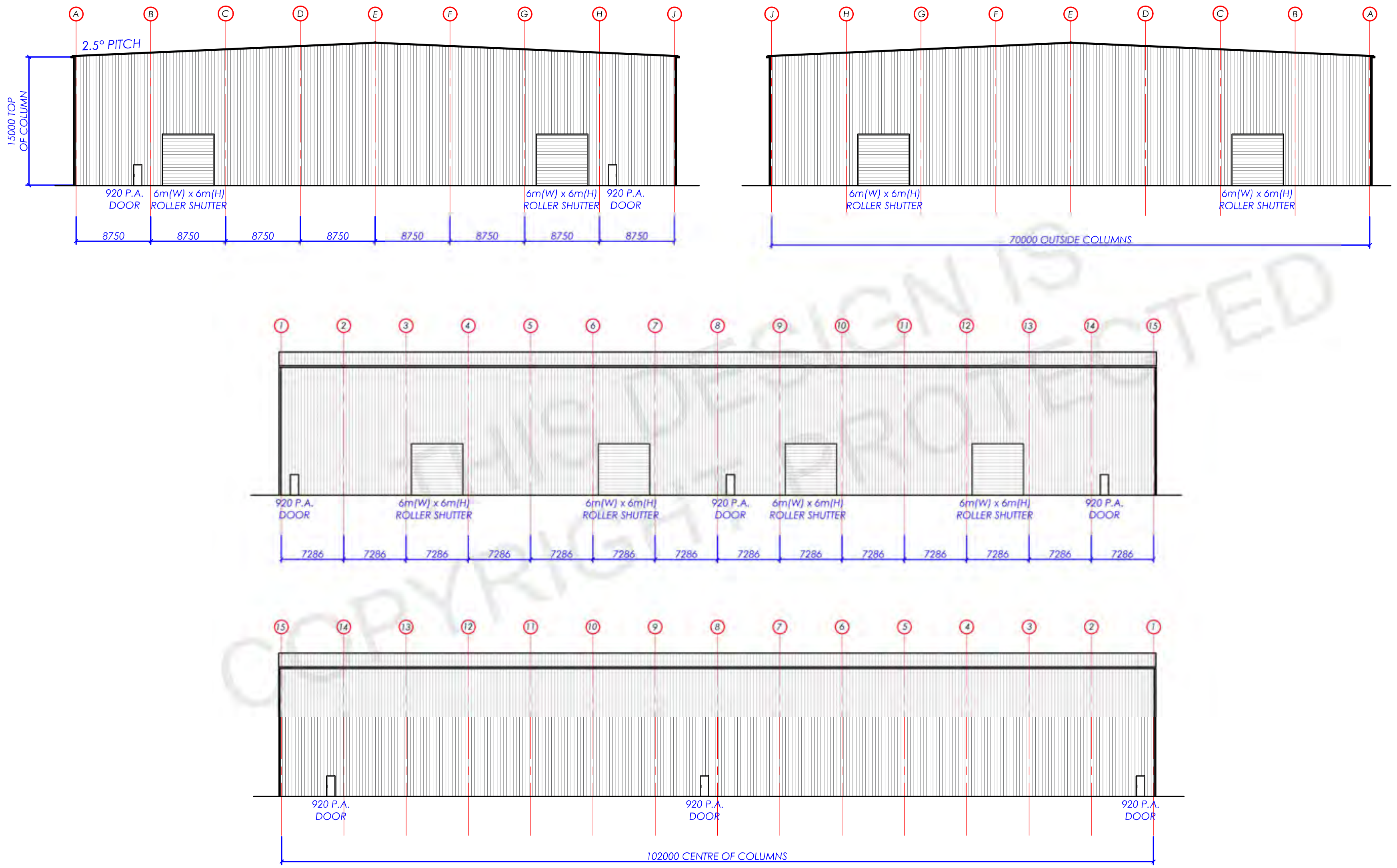
REV NO:	DESCRIPTION	DATE:
A		
B		
C		
D		

DRAWN:
CHECKED.
APPROVED.
ISSUED.

DRAWING NAME: LAYOUT PLAN

DRAWING NO:	SHEET:	REV:	SIZE:
	A01	A	A3
PAGE: 1 OF 2	**SCALE:** 1:475	**DATE:** 18/12/2024	

PROPOSED 102 x 70 x 15m INDUSTRIAL SHED FOR SENVERSA



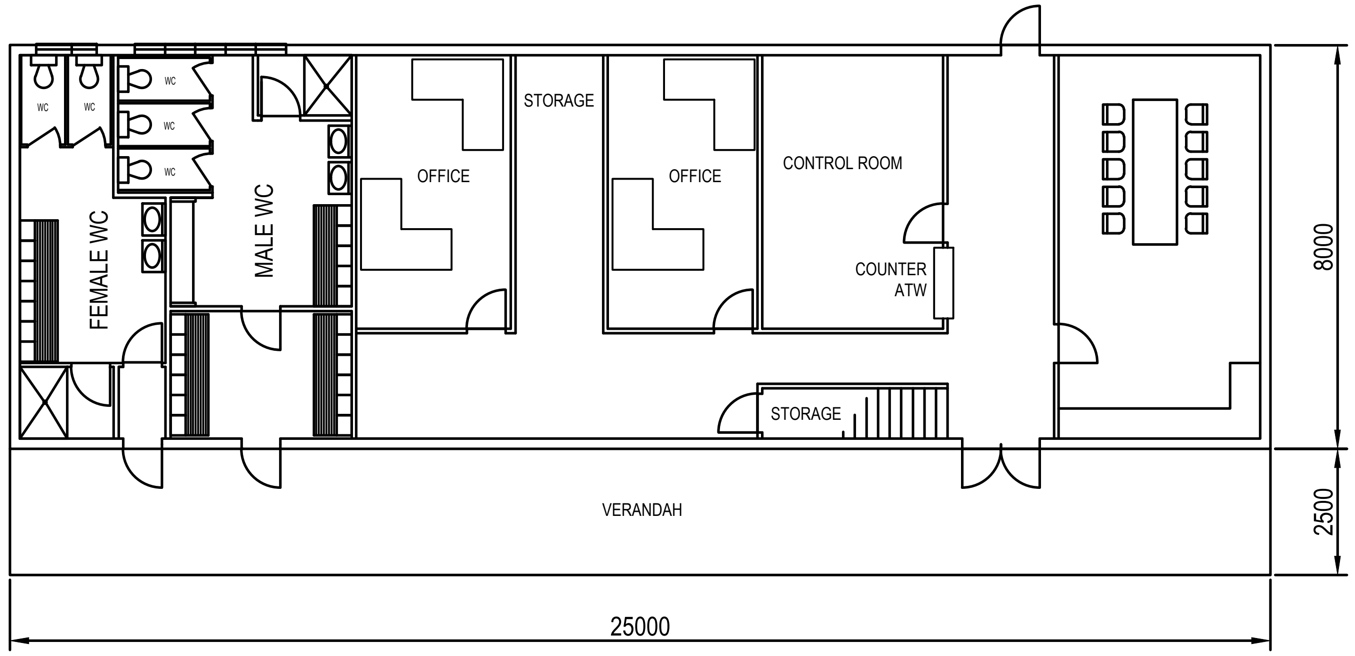
Entegra SIGNATURE STRUCTURES IN YOUR WORLD.

NOTES:

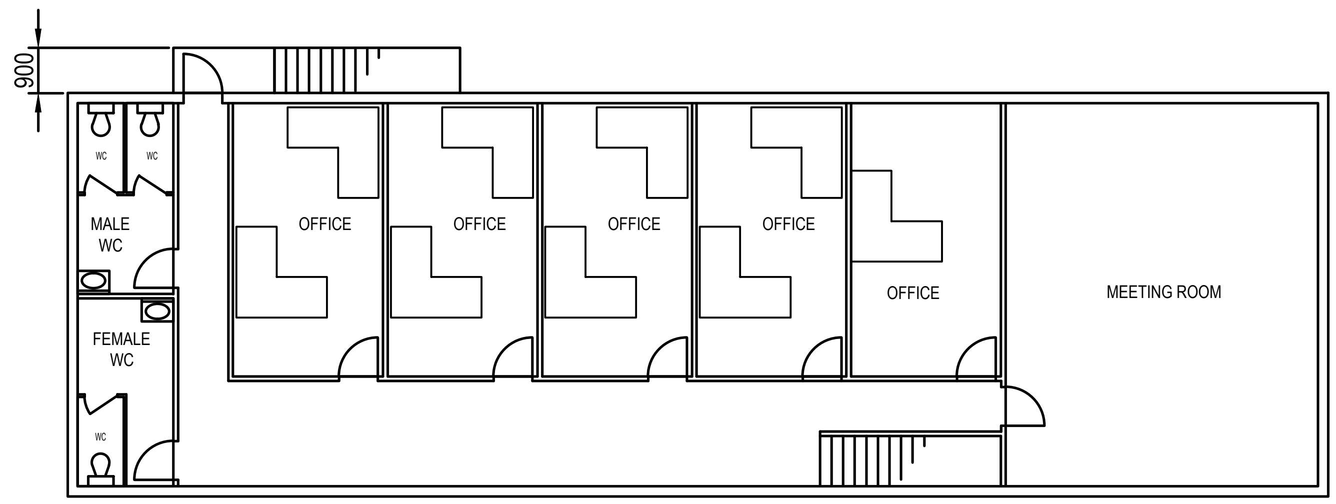
UNLESS OTHERWISE STATED ALL DIMENSIONS IN MILLIMETERS

REV NO:	DESCRIPTION	DATE:
A		
B		
C		
D		

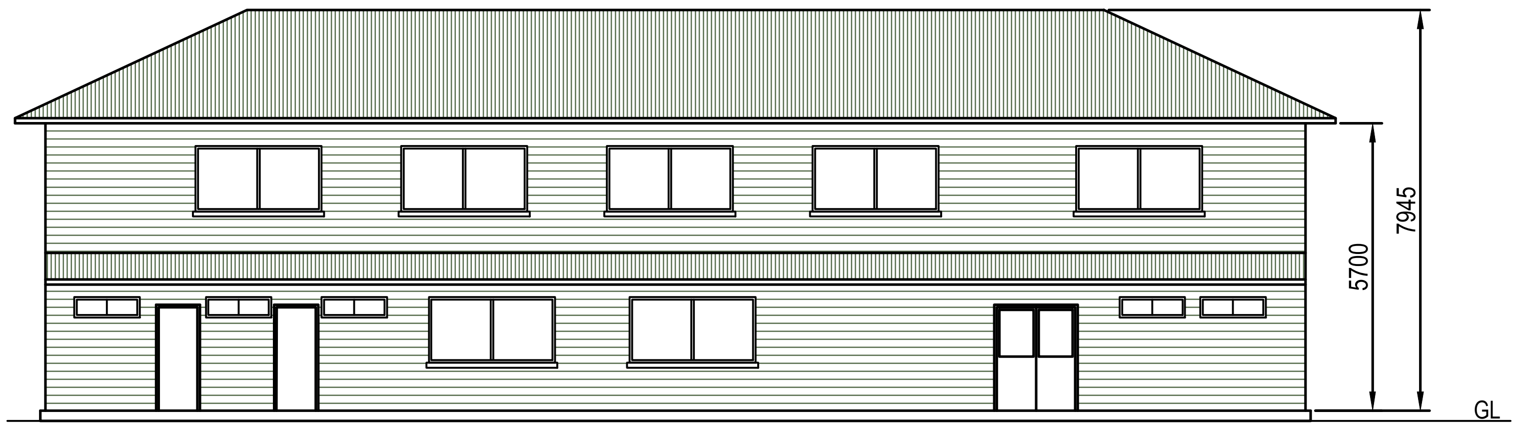
DRAWN:	**DRAWING NAME:** ELEVATIONS			
CHECKED.	**DRAWING NO:**	**SHEET:** A02	**REV:** A	**SIZE:** A3
APPROVED.				
ISSUED.	**PAGE:** 2 OF 2	**SCALE:** 1:450	**DATE:** 18/12/2024	



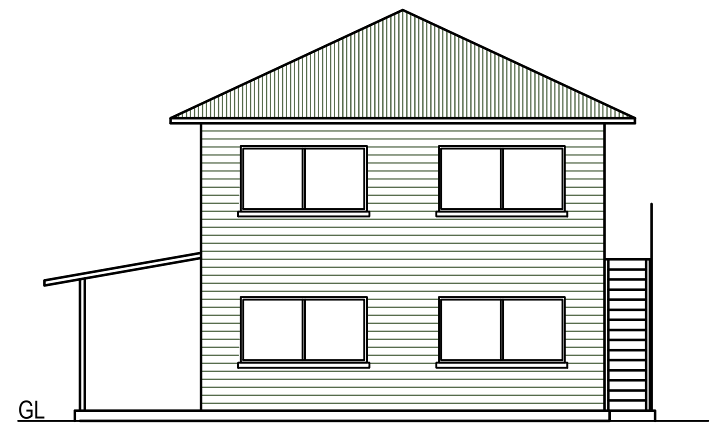
FLOOR PLAN - GROUND LEVEL



FLOOR PLAN - LEVEL 1



FRONT ELEVATION



END ELEVATION

REV.	DATE	BY	APP	REVISION
A	12/11/25	MJS		INITIAL ISSUE

STATUS: PRELIMINARY

DRAWN: M. Smith	DATE: 21/11/20		
CHECKED:	DATE:		
ENGINEER:	DATE:		
APPROVED:	DATE:		

BORAL Building something great

BORAL ENGINEERING

Taylor Avenue New Berrima NSW 2577
Locked Bag 4 New Berrima NSW 2577

SCALE:	1:150
JOB No:	GCQ201
ALPHA NUM:	
SHEET	A3

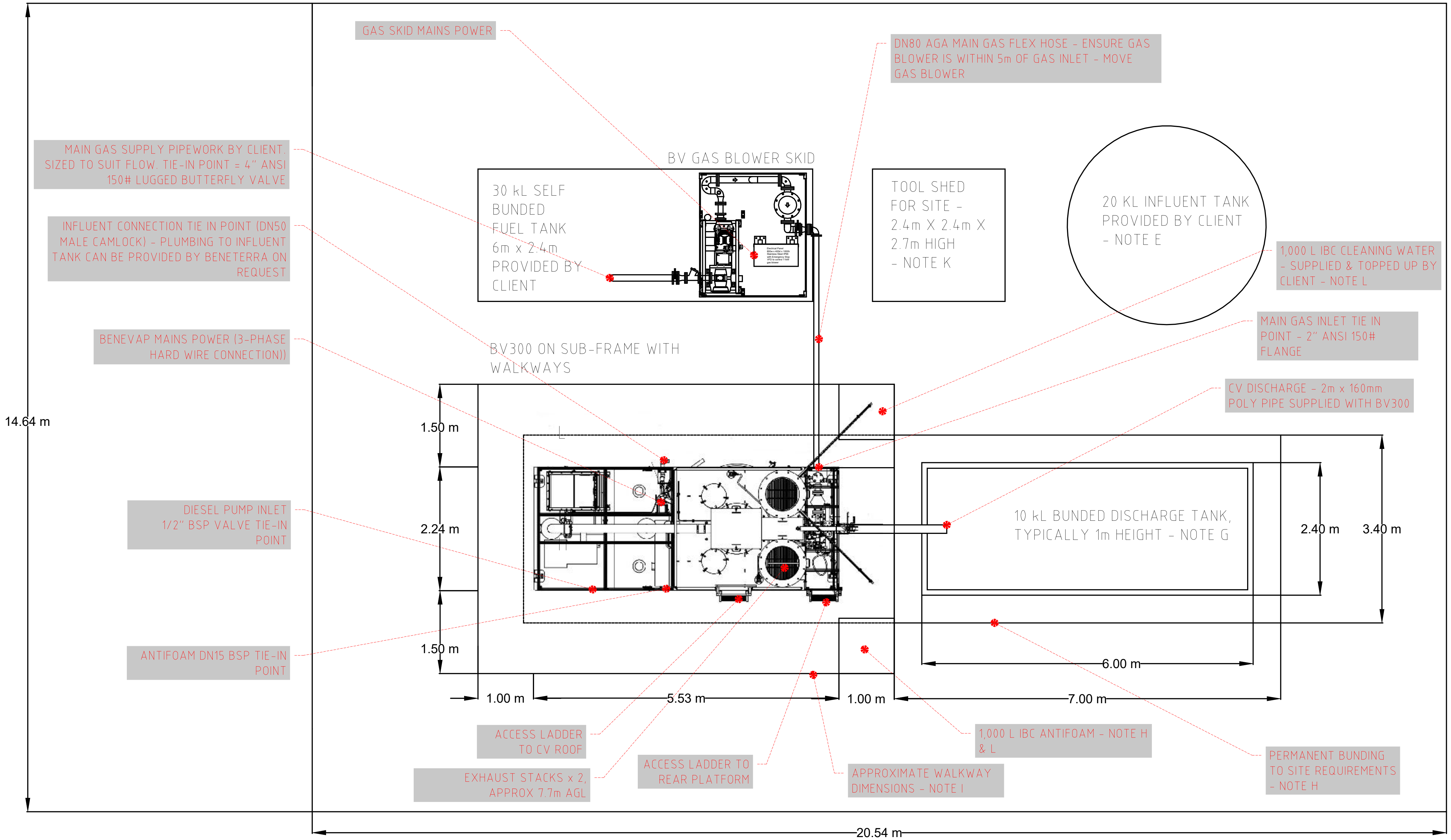
PLANT:	
PROJECT:	WEST BURLEIGH QUARRY
SECTION:	SITE
SUB SECTION:	BUILDINGS
TITLE:	ADMINISTRATION BUILDING
CLASSIFICATION:	GENERAL ARRANGEMENT

DRAWING No: QRS-G-GA-201-02

WORKS No:

REV. A

BV300 LAYOUT ON SUB-FRAME WITH WALKWAYS AND BV GAS BLOWER



SUGGESTED LEVEL PAD AREA FOR PROJECT:
1. LENGTH = 21m
2. WIDTH = 15m
3. ALLOWS FOR A LEVEL 3m EWP ACCESS EITHER SIDE OF THE SITE LENGTH
4. SEE NOTE F BELOW WRT SURFACE PREP

A - BV150 APPROXIMATE WEIGHT:
1. UNLADEN - 7,500 kg's
2. LADEN WITH LEACHATE - 10,500 kg's
3. DESIGN SUB-FRAME FOR - 13,125 kg's OPERATING WEIGHTor 18,125 kg's IF CV IS TOTALLY FULL.

B - LFG FLOW RATE AT 50% METHANE:
1. APPROX 320 SCMH @ STP 15C & 1atm PER BV300 UNIT, 30kPa GAS SUPPLY PRESSURE. CORRELATES TO APPROX 394 M3/H ACTUAL PER BV300 UNIT @ 40C AND -12kPa VACUUM (GAUGE PRESS) INTO GAS BLOWER, DEPENDANT ON SITE RETICULATION CONDITIONS.

C - #2 DIESEL FLOW RATE:
1. APPROX 142 LPH @ 36.9 MJ/L PER BV300 UNIT, 600kPa SUPPLY PRESSURE

D - POWER REQUIREMENTS:
1. EACH BV300 UNIT WILL DRAW APPROX 54kW ON FULL LOAD AND APPROX 45kW AT RUN LOAD - 25% SAFETY MARGIN MUST BE ADDED WHEN SIZING POWER SUPPLY
2. GAS BLOWER ELECTRICAL MAINS REQUIREMENT ARE ADDITIONAL WITH 15kW MOTORS EACH AND PANEL DRAW.

E - LEACHATE SUPPLY:
1. TANK TO BE WITHIN 20m FROM THE INFLUENT TIE-IN POINT.
2. TOP OF TANK SHOULD BE HIGHER THAN 1M ABOVE GROUND LEVEL AT THE BENEVAP UNIT.
3. NO HIGH POINTS BETWEEN INFLUENT TANK AND INFLUENT PUMP ON THE BENEVAP.
4. IF A LIFTING SUCTION IS PRESENT FOR THE INFLUENT SUPPLY THE LIFT MUST BE NO MORE THAN 5m WORST CASE SCENARIO AND THIS CALCULATION SHOULD BE CHECKED BEFORE THE PROJECT IS AGREED BETWEEN THE CLIENT AND BENETERRA.
5. FOR LIFTING ARRANGEMENTS A TURRET SUCTION SETUP SHOULD BE INSTALLED TO AID PUMP LIFT ABILITY.

F - LEVEL SURFACE:
1. A LEVEL SURFACE MUST BE PROVIDED ACCROSS THE SITE WITH SUFFICIENT ACCESS FOR AN EWP TO OPERATE NEXT TO THE BENEVAP.
2. NO SHARP STONES OR ROCKS. BIDDUM / GEOFAB TO BE PROVIDED UNDERNEATH THE BUNDS - BENETERRA CAN PROVIDE GEOFAB UPON REQUEST

G - RESIDUAL:
1. IT IS THE CLIENT'S RESPONSIBILTY TO REMOVE RESIDUAL FROM THE DISCHARGE TANK.
2. DISCHARGE VOLUMES VARY FROM SITE TO SITE BUT WILL RANGE BETWEEN 4800-8000 L/d AND TYPICALLY AN EXTRA 3,000 L EACH WEEK FOR THE FULL DISCHARGE..
3. RESIDUAL CAN BE TAKEN TO THE ACTIVE TIP FACE IN SOME INSTANCES BY A WATER TRUCK OR PUMP SYSTEM.
4. IF REQUIRED, BENETERRA CAN RECOMMEND A SUBMERSIBLE PUMP FOR THE DISCHARGE TANK TO TRANSFER TO ADJACENT STORAGE TANKS ONLY.

H - BUNDING REQUIREMENTS:
1. BUNDS WILL BE REQUIRED FOR THE DISCHARGE TANK AND UNDERNEATH THE BENEVAP, AS WELL AS THE ANTIFOAM IBC, AND SITE BUNDING REQUIREMENTS SHOULD DRIVE THE BUND VOLUMES.
2. THESE ARE GENERALLY THE CLIENT'S RESPONSIBILITY, BUT BENETERRA CAN QUOTE ON SUPPLYING THEM, APART FROM LONG-TERM CONCRETE / BLOCK LINED BUNDS.

I - SUB-FRAME / PLATFORMS/ WALKWAYS / HANDRAILS:
1. A PERMANENT BENEVAP SETUP WILL REQUIRE A SUB-FRAME WITH PLATFORMS AND WALKWAYS TO BE INSTALLED.
2. THESE ARE GENERALLY THE CLIENT'S RESPONSIBILITY, BUT BENETERRA CAN QUOTE ON SUPPLYING THEM OR THE DRAWINGS TO FABRICATE THEM.
3. THE WALKWAYS MUST INCORPORATE A WASH TROUGH FOR CLEANING THE STACK CHEVRONS WITH A DRAIN TO THE DISCHARGE TANK.

J - LIGHTING REQUIREMENTS FOR PERMANENT SITES:
1. LIGHTING IS REQUIRED FOR ALL PERMANENT SITES TO MAKE THE SITE MORE ORGANISED AND EFFECTIVE.
2. LIGTING MUST BE PROVIDED FROM ALL FOUR CORNERS OF THE SITE SETUP.

K - SPARES STORAGE AND SHED FOR PERMANENT SITES:
1. FOR PERMANENT SITES A LOCKED SPARES STORAGE SHED WILL BE SET UP ON SITE BY BENETERRA IN COLABORATION WITH THE CLIENT.
2. THE SHED WILL HAVE A WORK BENCH WITH A VICE INSIDE IT TO FACILITATE REPAIR WORK.

L - ANTIFOAM & CLEANING WATER REQUIREMENTS:
1. ANTIFOAM WILL BE REUQIRED TO CONTROL THE FOAMING IN THE PROCESS.
2. BENETERRA WILL WORK WITH THE CLIENT TO DETERMINE THE CORRECT ANTIFOAM TYPE TO USE FOR THE PROJECT.
3. THE PROCUREMENT OF ANTIFOAM IS GENERALLY THE CLIENT'S RESPONSIBILTY, BUT BENETERRA CAN ASSIST WITH THIS.
4. THE CLIENT MUST SUPPLY AND KEEP A 1,000 L TANK / IBC TOPPED UP WITH WATER ON SITE FOR THE DURATION OF THE PROJECT

DRAWING NO.	REFERENCE DRAWING TITLE	REV	DATE	REVISION DESCRIPTION	DRAWN	DWG CHECK	DESIGN	ENG DES CHECK	DRAFT SUPER	PROJECT APPROVAL
		0	25.06.27	ISSUED FOR REVIEW	RVN	SH	RVN			

PREPARED FOR:
CLIENT NAME
LANDFILL NAME
ROAD NAME

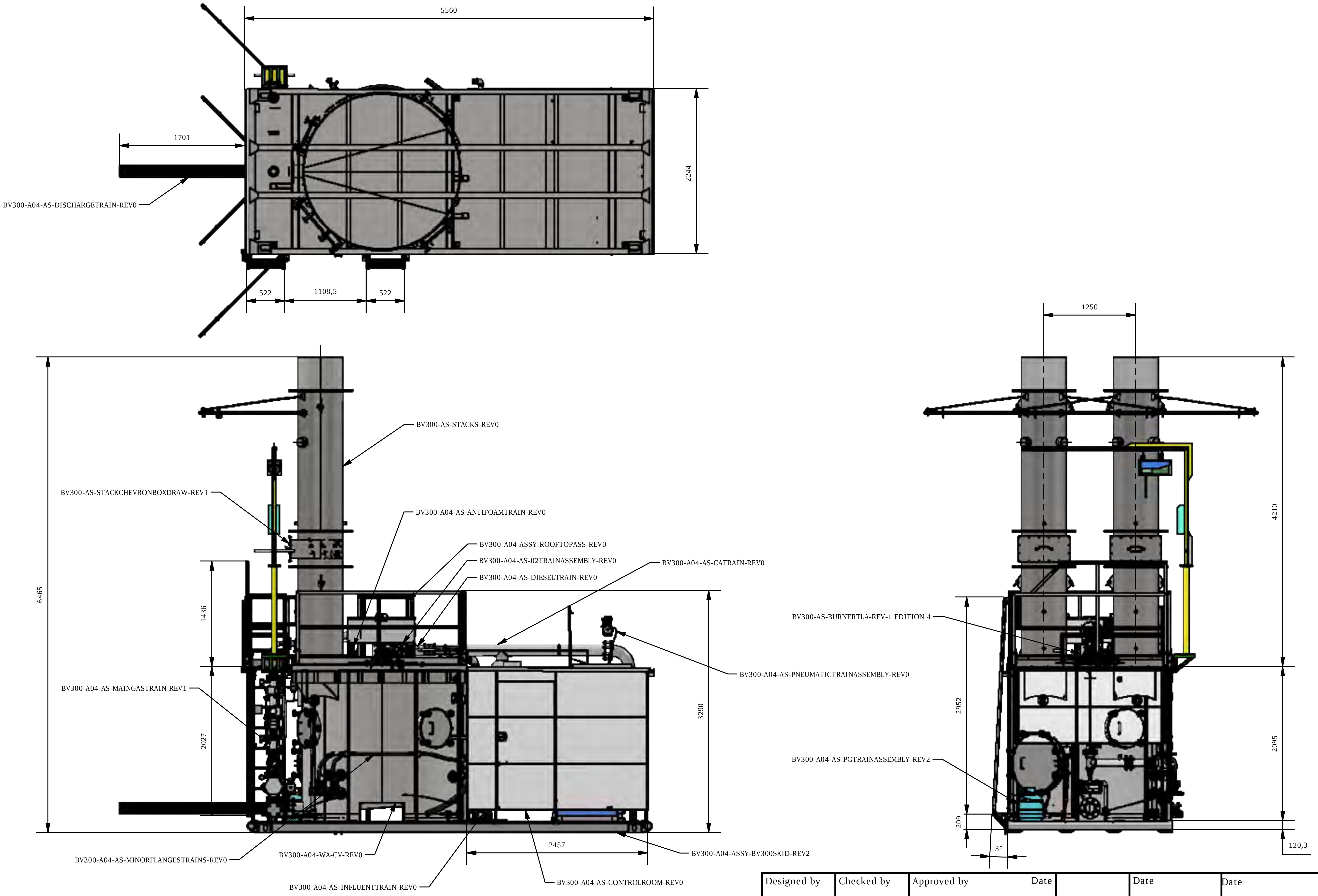
PREPARED BY:
BENETERRA
BRISBANE OFFICE
LEVEL 4,
300 ANN ST
BRISBANE QLD 4000
T: 07 3236 5145
E: info@beneterra.com.au
W: www.beneterra.com.au

PROJECT: BRC.01
DRAWING OFFICE: BRISBANE

	BY	DATE
DRAWN	RVN	25.06.27
DWG CHECK	SH	25.06.27
DESIGN	RVN	25.06.27
ENG DES CHECK		
DRAFT. SUPER.		
PROJECT APPROVAL		

TITLE:
CLEINT NAME
LANDFILL NAME - ROAD NAME
BENEVAP UNIT - BV300 SERIAL NUMBER
PROPOSED SITE LAYOUT

PROJECT NO.: SRC.01
DRAWING NO.: SRC.01.SP.01
REVISION: 0
MOD NO.:
SCALE: NTS
CADFILE: 20250625 Generic Site Layout BV300 GA Rev0.dwg
A3



Designed by	Checked by	Approved by	Date		Date	Date
RVN	AB	SH	18/07/2025		18/07/2025	WorkInProgress

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	Edition	Sheet
BV300-A04-ASSY-BV300TLA-REV1	1	1 / 1