

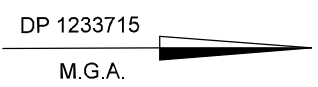
PROPOSED RESOURCE RECOVERY FACILITY

SITE:
 30 LOFTUS ROAD
 YENNORA NSW 2161
 LOT 8 DP1233715

ISSUE DATE: 18-1-2022

SHEET INDEX:

- A00 – COVER SHEET
- A01 – EXISTING SITE AND FLOOR PLAN
- A02 – PROPOSED SITE AND FLOOR PLAN
- A03 – PROPOSED FLOOR PLAN AND EQUIPMENT LAYOUT
- A04 – BUILDING ELEVATIONS
- A05 – BUILDING ELEVATIONS
- A06 – EQUIPMENT ELEVATION A
- A07 – EQUIPMENT ELEVATION B & C
- A08 – FIRE WATER BUNDING AND CATCHMENT PLAN



ISSUE BY	DESCRIPTION	DATE
A	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:



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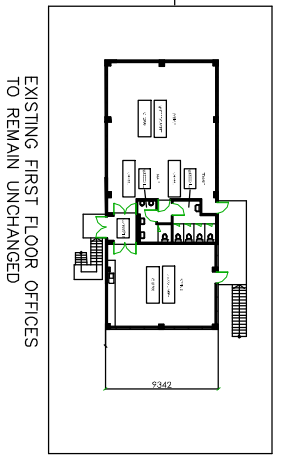
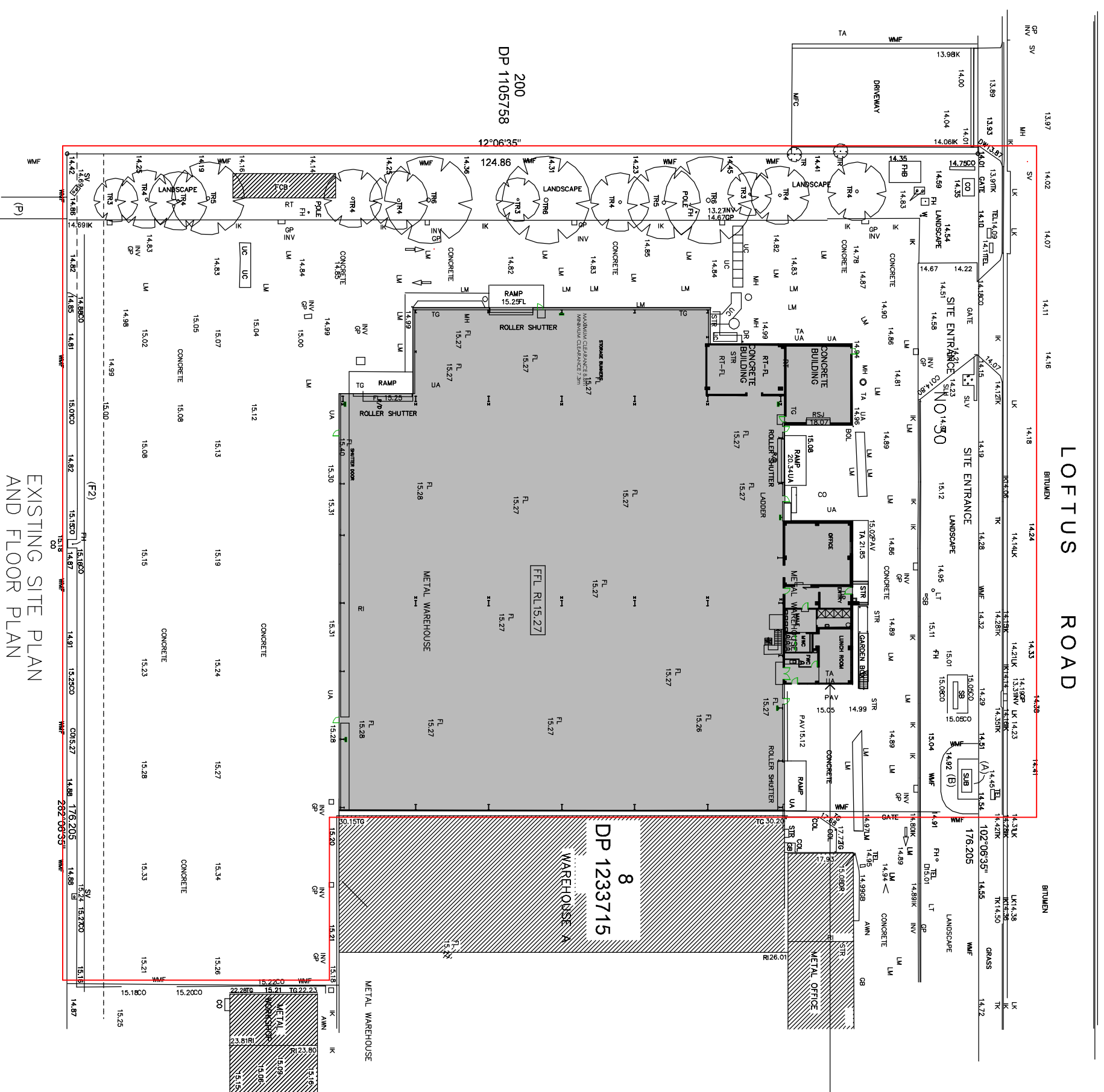
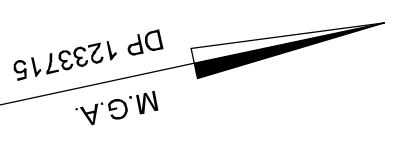
GENERAL NOTES:
 1. ALL DIMENSIONS AND FLOOR AREAS ARE TO BE VERIFIED BY THE BUILDER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 2. LEVELS SHOWN ARE APPROXIMATE UNLESS APPROVED BY REDUCED LEVEL FROM A DETAILLED SAFETY SURVEY.
 3. FENCED DIMENSIONS MUST BE TAKEN IN REFERENCE TO THE SURVEY FROM TO COMMENCEMENT OF ANY BUILD.
 4. ALL BOUNDARY CLEARANCES MUST BE VERIFIED BY THE BUILDER PRIOR TO COMMENCEMENT OF ANY BUILD.
 5. WHERE ENGINEERING DRAWINGS ARE REQUIRED SUCH MUST TAKE PRECEDENCE OVER THIS DRAWING.
 6. FOUNDATIONS TO BE DISCUSSED TO OWNER'S REQUIREMENTS AND AS 3600.3-2003.
 7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY CONSTRUCTION.
 8. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
 9. TYPICAL PROTECTORS TO BE INSTALLED IN ACCORDANCE WITH AS 3600.1-1999 PART 1 NEW BUILDINGS.
 10. SMOKE DETECTORS TO BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE

Carlo Ranieri & Associates
 STRUCTURAL & CIVIL ENGINEERING
 DESIGN CONSULTANTS
 BUILDING CONSULTANTS
 ENVIRONMENTAL CONSULTANTS
 2051-2053 THE NORTHERN ROAD
 GLENMORE PARK NSW 2745
 TEL: (02)47367966 MOB: 0418262626
 e-mail: carlo@carloranieri.com.au

PROJECT:
 RESOURCE RECOVERY FACILITY
 30 LOFTUS ROAD YENNORA
 LOT 8 DP1233715

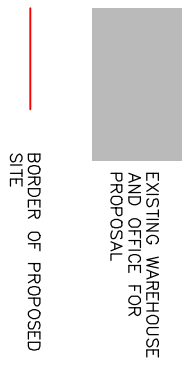
PROJECT NO. 0820
 SCALE 1:100
 SHEET NO./ISSUE A00

DATE: 18-1-2022
 JOB NO. CW/080920



EXISTING SITE PLAN AND FLOOR PLAN

AREAS:
 OFFICE TOTAL 419m²
 MAIN BUILDING 4,142m²
 SITE AREA APPROX 12,112m²



ISSUE BY:	DESCRIPTION:	DATE:	CLIENT:	PROJECT:	PROJECT NO.:
A	FOR ISSUE FOR DEPARTMENT OF PLANNING	19-7-2021	COBRA waste solutions	RESOURCE RECOVERY FACILITY 30 LOFTUS ROAD YENNORA LOT 8 DP1233715	0820
					SCALE
					1:600
					SHEET NO./ISSUE
					A01 A

GENERAL NOTES:
 1. OWNER AND ARCHITECT ARE TO BE ADVISED BY THE SURVEYOR AS TO THE COMMENCEMENT OF ANY BUILDING WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
 2. LEVELS SHOWN ARE APPROXIMATE. DESIGNER'S RESPONSIBILITY IS TO CHECK THE ACCURACY OF THE SURVEY DATA.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 5. DIMENSIONS TO BE CHECKED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY WORK COMMENCES.
 6. DIMENSIONS TO BE CHECKED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY WORK COMMENCES.
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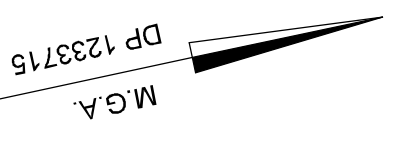
GENERAL NOTES:
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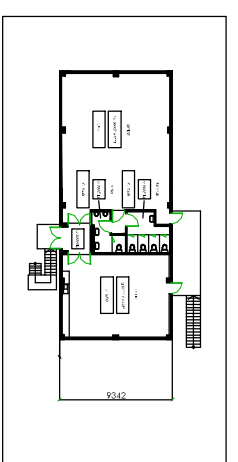
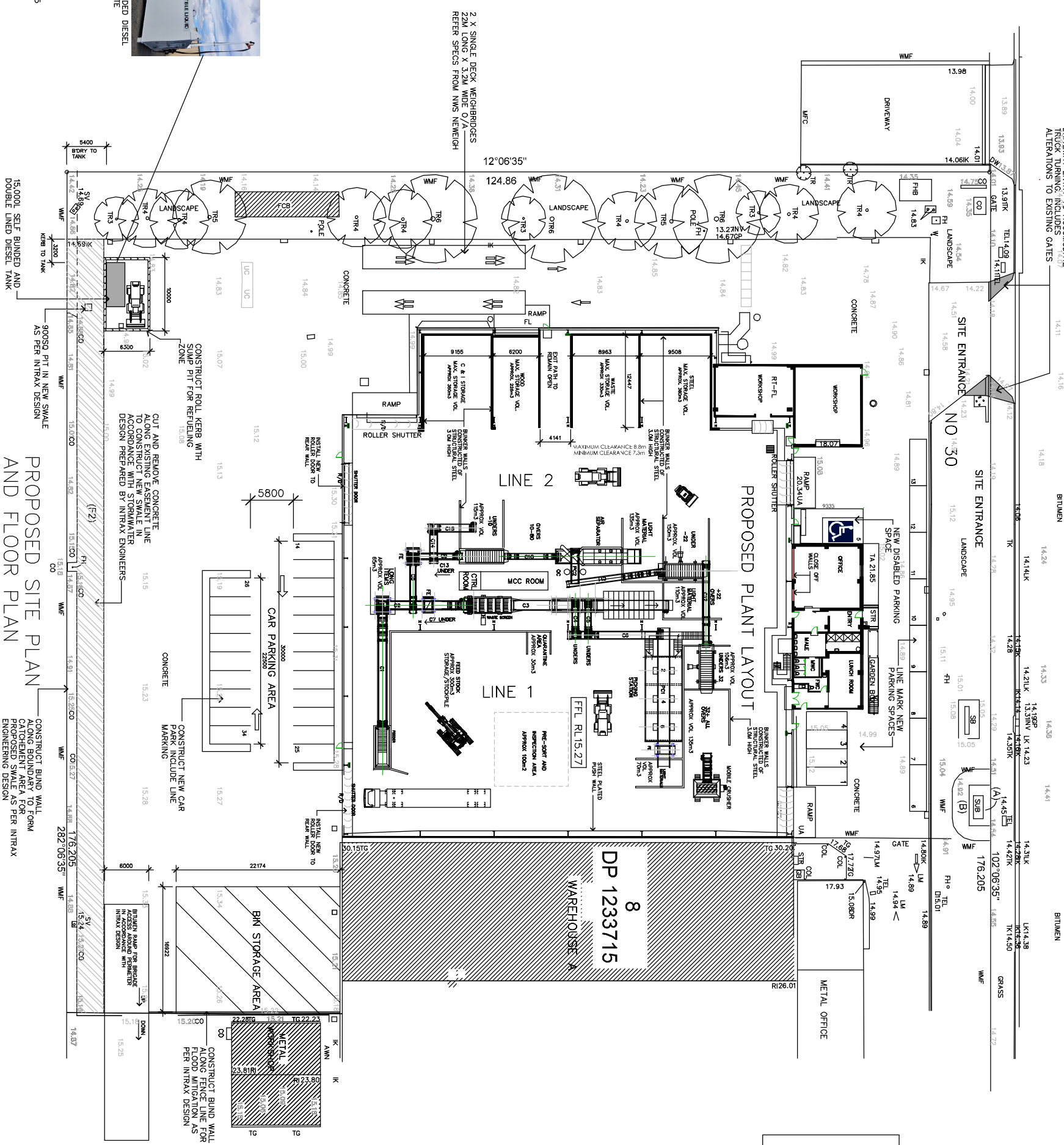
2051-2053 THE NORTHERN ROAD
 GLENMORE PARK NSW 2745
 TEL: (02) 9579 9988 MOB: 0418250283
 WWW: www.carloranieri.com.au

DATE: 19-7-2021
 JOB NO. CW/080920

PROJECT NO. 0820
 SCALE 1:600
 SHEET NO./ISSUE A01 A



LOFTUS ROAD



EXISTING FIRST FLOOR OFFICES
TO REMAIN UNCHANGED

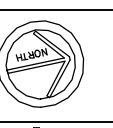
AREAS:
OFFICE TOTAL 419m²
MAIN BUILDING 4,142m²
SITE AREA APPROX 12,112m²

NOTE:
CAR PARKING AS PER THE FOLLOWING REQUIREMENTS:
ALLOWANCE OF 1 SPACE PER 40m² OF OFFICE
COUNCIL DCP
TOTAL MIN. 25 PARKING SPACES REQUIRED INCLUDES 1 X DISABLED
SITE ALLOWANCE OF 34 SPACES HAS BEEN PROVIDED IN
ACCORDANCE WITH STAFFING AND OPERATIONAL REQUIREMENT
PARKING BAYS 5.5M X 2.5M AS PER AUSTRALIAN STANDARDS

ISSUE BY	DESCRIPTION	DATE	CLIENT:	GENERAL NOTES:	PROJECT:	PROJECT NO.
CR	ISSUE FOR DEPARTMENT OF PLANNING	8-9-2020		<p>1. ALL WORK TO BE ACCORDANCE WITH THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>2. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>3. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>4. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>5. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>6. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>7. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>8. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>9. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p> <p>10. THIS DESIGN AND THE ASSOC. DOCUMENTATION IS SUBJECT TO COPYRIGHT LAWS AND MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM CR & ASSOC.</p>	<p>RESOURCE RECOVERY FACILITY 30 LOFTUS ROAD YENNORA LOT 8 DP1233715</p>	0820
CR	AMEND BIN STORAGE	11-9-2020				
CR	AMEND CAR PARKING	14-9-2020				
CR	AMEND CAR PARKING AND FLOOR PLAN	10-5-2021				
CR	ISSUE FOR DEPARTMENT OF PLANNING	19-7-2021				
CR	ISSUE FOR DEPARTMENT OF PLANNING	19-7-2021				
CR	ISSUE FOR DEPARTMENT OF PLANNING	26-7-2021				
CR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022				
CR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022				
CR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022				



NOTE: TYPICAL SELF-BUNDED DIESEL TANK TO BE USED ON SITE

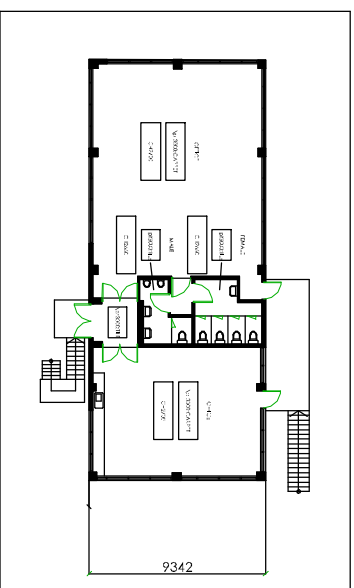
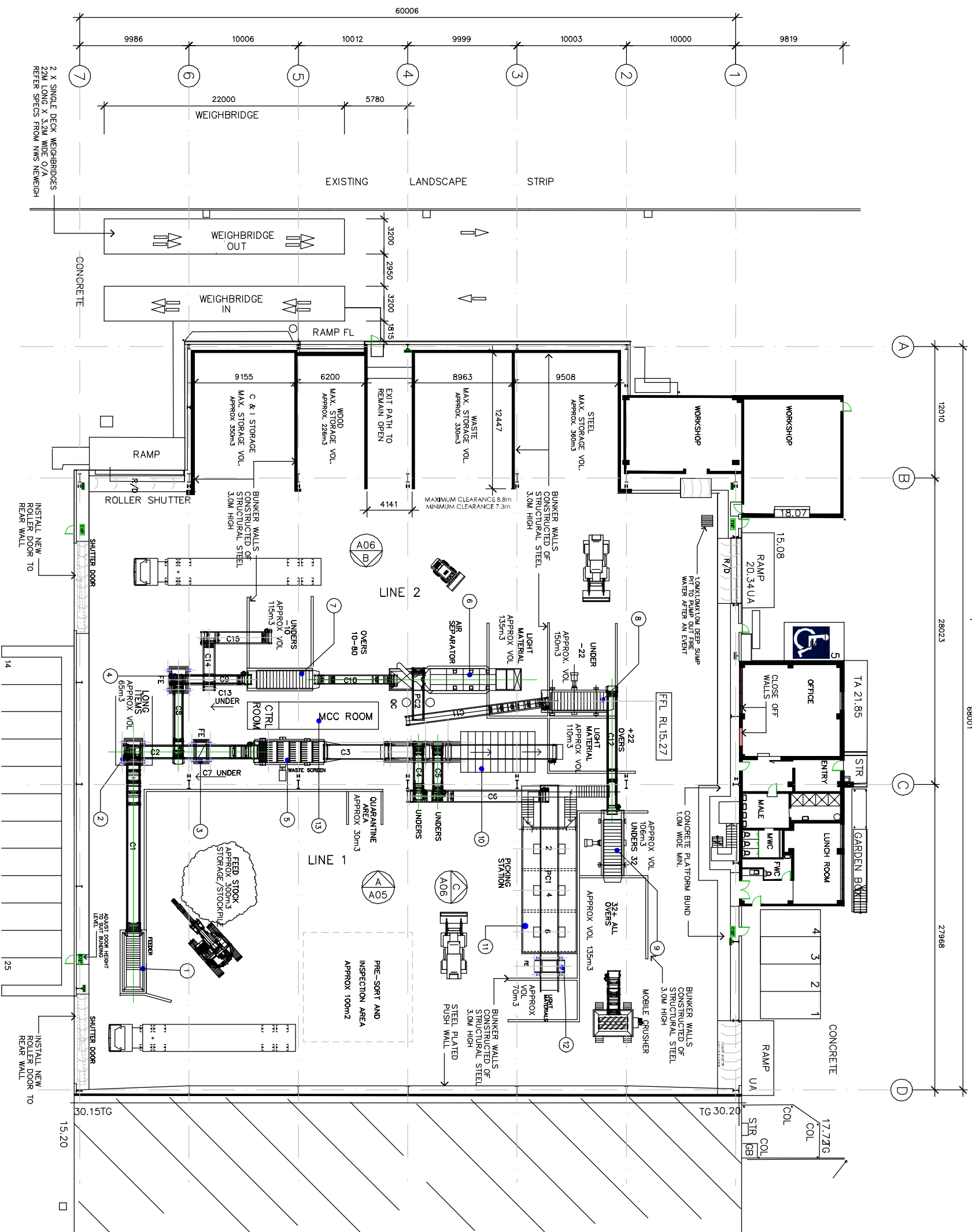


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TEL: (02)47367966 MOB: 0418292626
E-MAIL: carlo@carloronieri.com.au

PROJECT:
RESOURCE RECOVERY FACILITY
30 LOFTUS ROAD YENNORA
LOT 8 DP1233715

DATE: 18-1-2022
JOB NO. CW/080920
SHEET NO. A02



EXISTING FIRST FLOOR OFFICES
TO REMAIN UNCHANGED

MAIN EQUIPMENT LEGEND

1	MAIN FEEDER
2	PROCESS START POINT
3	LONG ITEMS SEPARATOR
4	FE MAGNET 1
5	FE MAGNET 2
6	WASTE SCREEN 1
7	ABP AIR SEPARATOR 1
8	FLIP FLOW SCREEN 2
9	FLIP FLOW SCREEN 3
10	NHOT DDS AIR SEPARATOR 2
11	PICKING STATION
12	FE MAGNET 3
13	MCC / CONTROL ROOM

NOTE: MATERIAL TRANSPORT TO EQUIPMENT VIA CONVEYORS C#

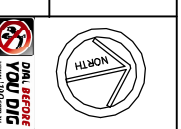
AREAS:
OFFICE TOTAL 419m²
MAIN BUILDING 4,142m²
SITE AREA APPROX 12,112m²

**PROPOSED FLOOR PLAN
AND EQUIPMENT LAYOUT**
SCALE 1:200

ISSUE BY	DESCRIPTION	DATE
GR	ISSUE FOR DEPARTMENT OF PLANNING	8-9-2020
GR	ISSUE FOR DEPARTMENT OF PLANNING	21-5-2021
GR	ISSUE FOR DEPARTMENT OF PLANNING	19-7-2021
GR	ISSUE FOR DEPARTMENT OF PLANNING	26-7-2021
GR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:

2 X SINGLE DECK WEIGHBRIDGES
22M LONG X 3.2M WIDE C/A
REFER SPECS FROM NWS NEWWEIGH



GENERAL NOTES:

1. ALL DIMENSIONS AND FLOOR AREAS ARE TO BE VERIFIED BY THE BUILDER PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER IMMEDIATELY UPON DISCOVERY.
2. FOUNDATION DIMENSIONS MUST BE TAKEN IN PREFERENCE TO EXISTING DIMENSIONS.
3. ALL BOUNDARY DIMENSIONS MUST BE VERIFIED BY THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY BUILDING WORKS.
4. ALL DIMENSIONS AND FLOOR AREAS ARE TO BE VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY COMMENCEMENT OF WORK.
5. DIMENSIONS TO BE OBTAINED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
6. TRAFFIC PROTECTION TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1905 PART 1 NEW BUILDINGS.
7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY COMMENCEMENT OF WORK.
8. TRAFFIC PROTECTION TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1905 PART 1 NEW BUILDINGS.
9. TRAFFIC PROTECTION TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1905 PART 1 NEW BUILDINGS.
10. SMOKE DETECTORS TO BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE

DRAWING: PROPOSED FLOOR PLAN AND EQUIPMENT LAYOUT

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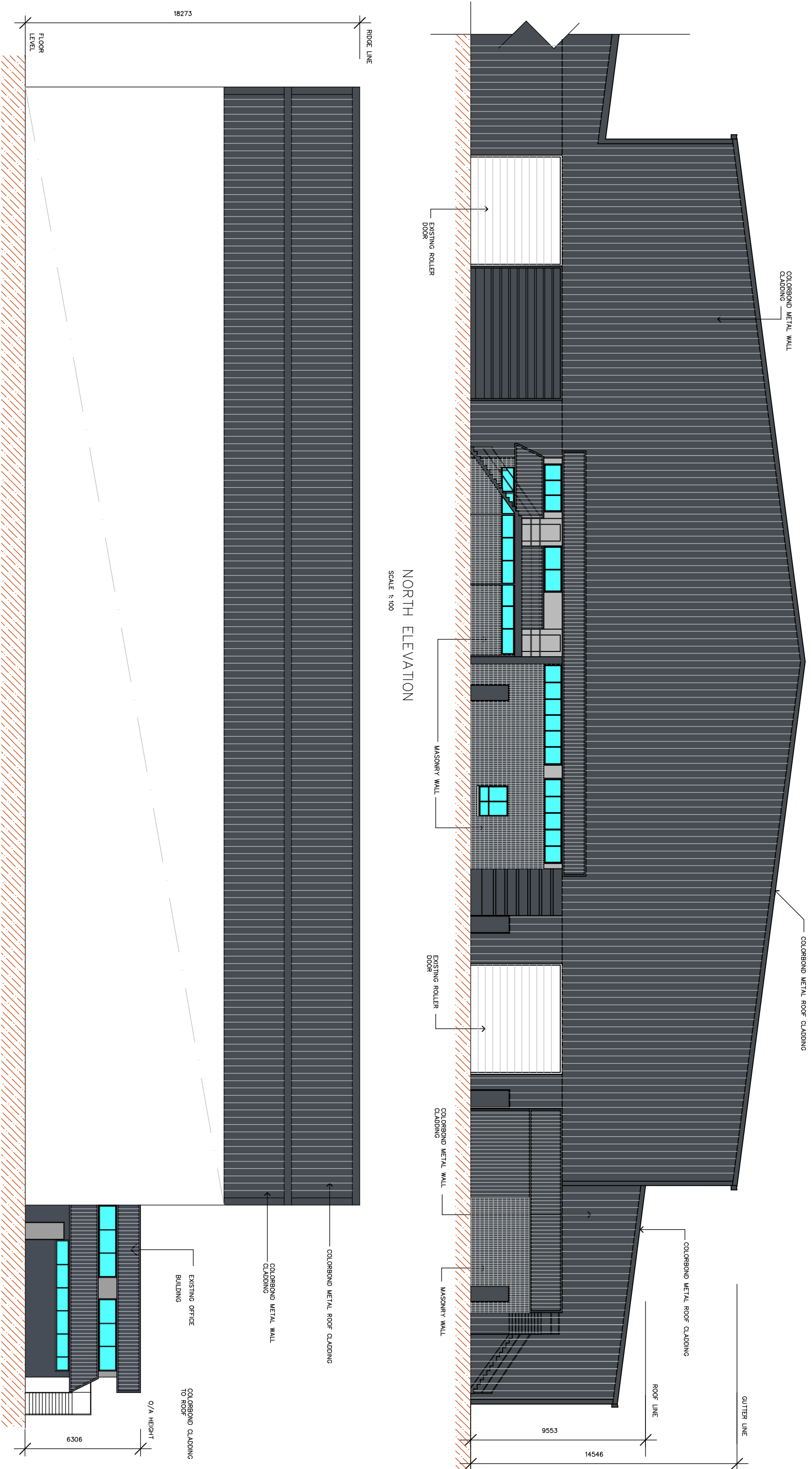
2051-2053 THE NORTHERN ROAD
GLENHURST PARK NSW 2225
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E-MAIL: carlo@carloranieri.com.au

PROJECT: RESOURCE RECOVERY FACILITY
30 LOFTUS ROAD YENNORA
LOT 8 DP1233715

DATE: 18-1-2022

JOB NO. CW/080920

PROJECT NO. 0820
SCALE 1:200
SHEET NO./ISSUE A03/E



NORTH ELEVATION
SCALE 1:100

EAST ELEVATION
SCALE 1:100

ISSUE BY	DESCRIPTION	DATE
A	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:



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GENERAL NOTES:

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5. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY BUILDING WORK COMMENCES.
6. TO BE INSTALLED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY BUILDING WORK COMMENCES.
8. TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1-1999 PART 1 NEW BUILDINGS.
9. TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1-1999 PART 1 NEW BUILDINGS.
10. SMOKE DETECTORS TO BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE

DRAWING: BUILDING ELEVATIONS

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 ENVIRONMENTAL CONSULTANTS

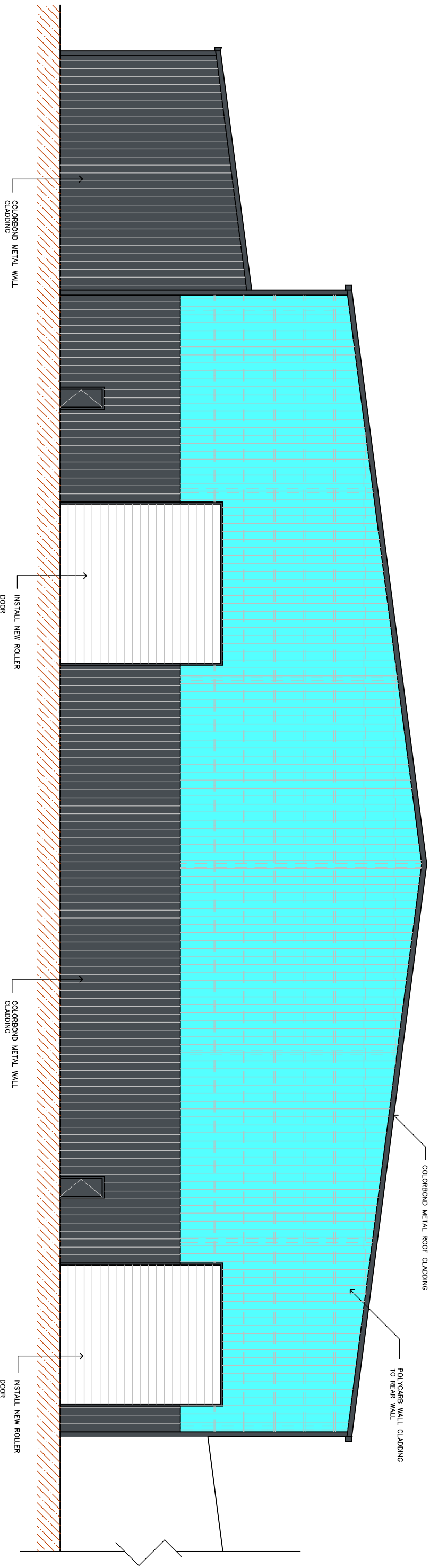
2081-2083 THE NORTHERN ROAD
 GLENMORE PARK NSW 2745
 TEL: (02) 4736 9169 MOB: 04 16282626
 E-MAIL: carlo@carloranieri.com.au

PROJECT:
 RESOURCE RECOVERY FACILITY
 30 LOFTUS ROAD YENNORA
 LOT 8 DP1233715

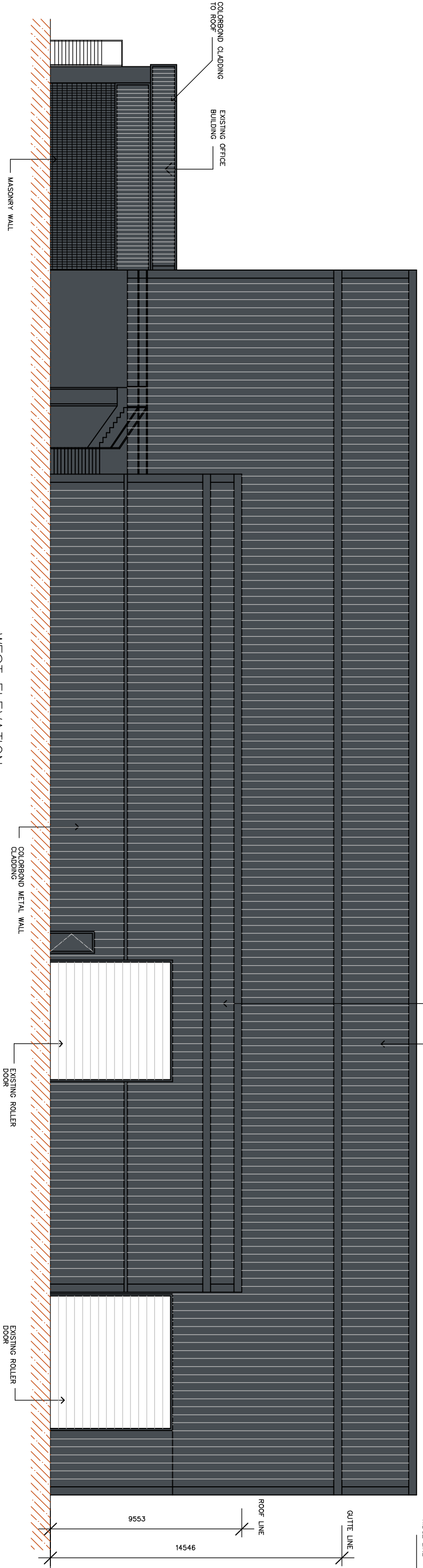
DATE: 18-1-2022

JOB NO. CW/080920

PROJECT NO. 0820
 SCALE 1:100
 SHEET NO./ISSUE A04 A



SOUTH ELEVATION
SCALE 1:100



WEST ELEVATION
SCALE 1:100

ISSUE BY	DESCRIPTION	DATE
A	CR ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:



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GENERAL NOTES:

1. ALL DIMENSIONS AND FLOOR AREAS ARE TO BE VERIFIED BY THE BUILDER PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT AT THE ONSET OF CONSTRUCTION.
2. ALL DIMENSIONS MUST BE TAKEN IN ACCORDANCE WITH THE DIMENSIONING SYSTEM SET OUT IN THE DRAWINGS.
3. FINISH DIMENSIONS MUST BE TAKEN IN PREFERENCE TO SQUARED DIMENSIONS.
4. ALL BOUNDARY CLEARANCES MUST BE VERIFIED BY THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY WORK.
5. WHERE ENGINEERING DRAWINGS ARE REQUIRED SUCH MUST TAKE PRECEDENCE OVER THIS DRAWING.
6. STRUCTURES TO BE DEMOLISHED TO BE DEMOLISHED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY NEW CONSTRUCTION.
7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY CONSTRUCTION.
8. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
9. TRAP PROTECTIONS TO BE INSTALLED IN ACCORDANCE WITH AS/NZS 1949 PART 1 NEW BUILDINGS.
10. SMOKE DETECTORS TO BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.

DRAWING: BUILDING ELEVATIONS

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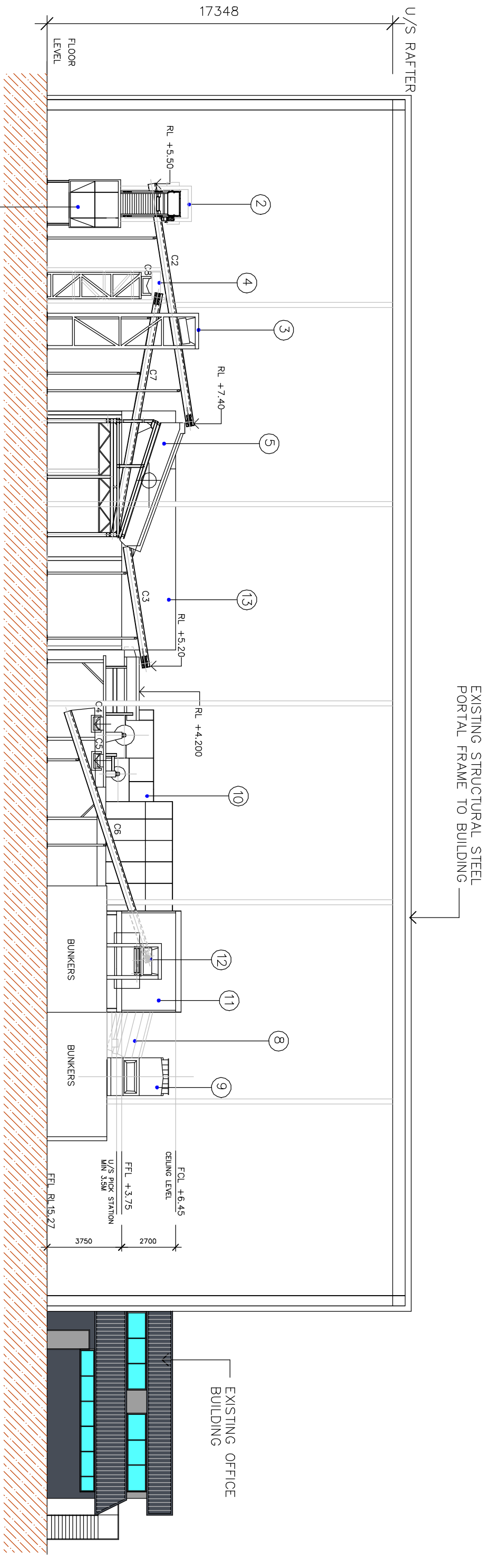
2051-2053 THE NORTHERN ROAD
CLERMONT PARK NSW 2724
TEL: (02)4747966 MOB: 0418256225
E-MAIL: carlo@carloranieri.com.au

PROJECT: RESOURCE RECOVERY FACILITY
30 LOFTUS ROAD YENNORA
LOT 8 DP1233715

DATE: 18-1-2022

JOB NO. CW/080920

PROJECT NO. 0820
SCALE 1:100
SHEET NO./ISSUE A05/A



MAIN EQUIPMENT LEGEND

1	MAIN FEEDER PROCESS START POINT
2	LONG ITEMS SEPERATOR
3	FE MAGNET 1
4	FE MAGNET 2
5	WASTE SCREEN 1
6	ABP AIR SEPERATOR 1
7	FLIP FLOW SCREEN 1
8	FLIP FLOW SCREEN 2
9	FLIP FLOW SCREEN 3
10	NIHOT DDS AIR SEPERATOR 2
11	PICKING STATION
12	FE MAGNET 3
13	MCC / CONTROL ROOM

NOTE: MATERIAL TRANSPORT TO EQUIPMENT VIA CONVEYORS 'C#'

EQUIPMENT ELEVATION

SCALE 1:100

A
A02

ISSUE BY	DESCRIPTION	DATE
A GR	ISSUE FOR DEPARTMENT OF PLANNING	8-9-2020
B GR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:

COBRO WASTE SOLUTIONS

GENERAL NOTES:

- ALL DIMENSIONS AND TOLERANCES ARE TO BE TAKEN FROM THE BUILDING FRAME TO THE COMPONENTS UNLESS SPECIFIED OTHERWISE.
- LEVELS SHOWN ARE APPROXIMATE UNLESS ACCOMPANIED BY REDUCED LEVELS FROM A DETAILED SURVEY.
- FORMED DIMENSIONS MUST BE TAKEN IN PREFERENCE TO SQUARE FROM A DETAILED SURVEY.
- WHERE DIMENSIONS ARE SHOWN IN PARENTHESES, THEY ARE TO BE TAKEN FROM THE COMMENCEMENT OF ANY BUILDING WORK.
- WHERE DIMENSIONS ARE SHOWN IN BRACKETS, THEY ARE TO BE TAKEN FROM THE COMMENCEMENT OF ANY BUILDING WORK.
- STAKEOUTS TO BE OBTAINED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY BUILDING WORK COMMENCES.
- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
- THESE DRAWINGS ARE TO BE INSTALLED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.
- THESE DRAWINGS ARE TO BE INSTALLED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS.

PROJECT:

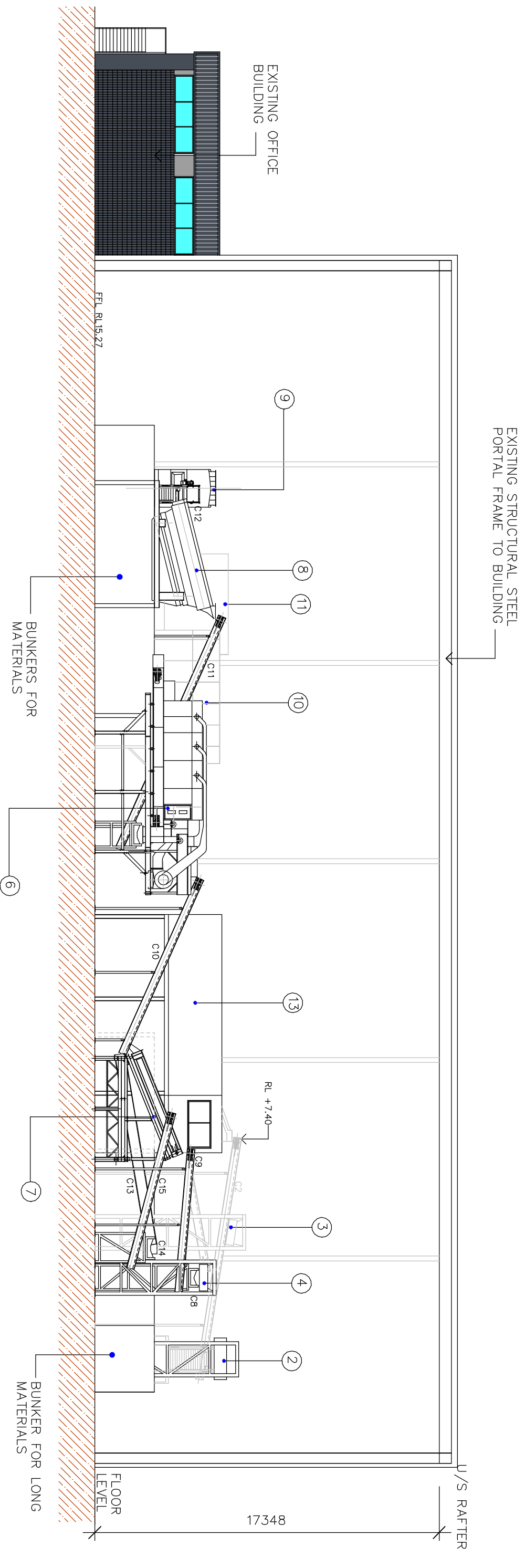
RESOURCE RECOVERY FACILITY
30 LOFTUS ROAD YENNORA
LOT 8 DP1233715

CLIENT:

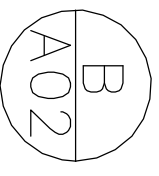
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PROJECT NO.	0820
SCALE	1:100
SHEET NO./ISSUE	A06/B
DATE	18-1-2022
JOB NO.	CW/080920



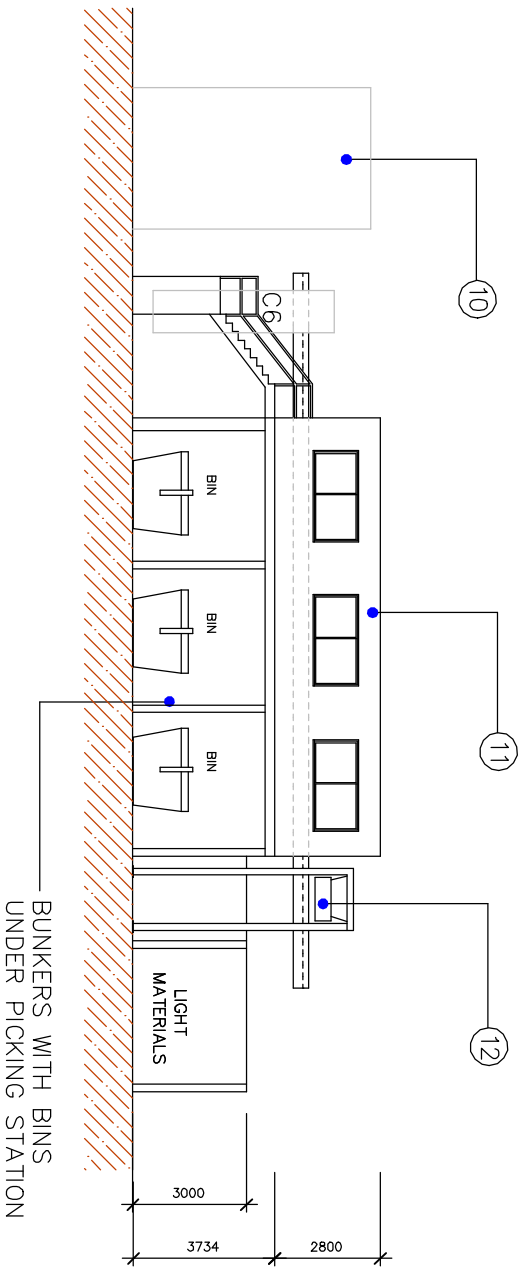
EQUIPMENT ELEVATION
SCALE 1:100



MAIN EQUIPMENT LEGEND	
1	MAIN FEEDER PROCESS START POINT
2	LONG ITEMS SEPERATOR
3	FE MAGNET 1
4	FE MAGNET 2
5	WASTE SCREEN 1
6	ABP AIR SEPERATOR 1
7	FLIP FLOW SCREEN 1
8	FLIP FLOW SCREEN 2
9	FLIP FLOW SCREEN 3
10	NIHOT DDS AIR SEPERATOR 2
11	PICKING STATION
12	FE MAGNET 3
13	MCC / CONTROL ROOM

NOTE: MATERIAL TRANSPORT TO EQUIPMENT VIA CONVEYORS 'C#'

EQUIPMENT ELEVATION
SCALE 1:100



ISSUE BY	DESCRIPTION	DATE
A GR	ISSUE FOR DEPARTMENT OF PLANNING	8-9-2020
B GR	ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

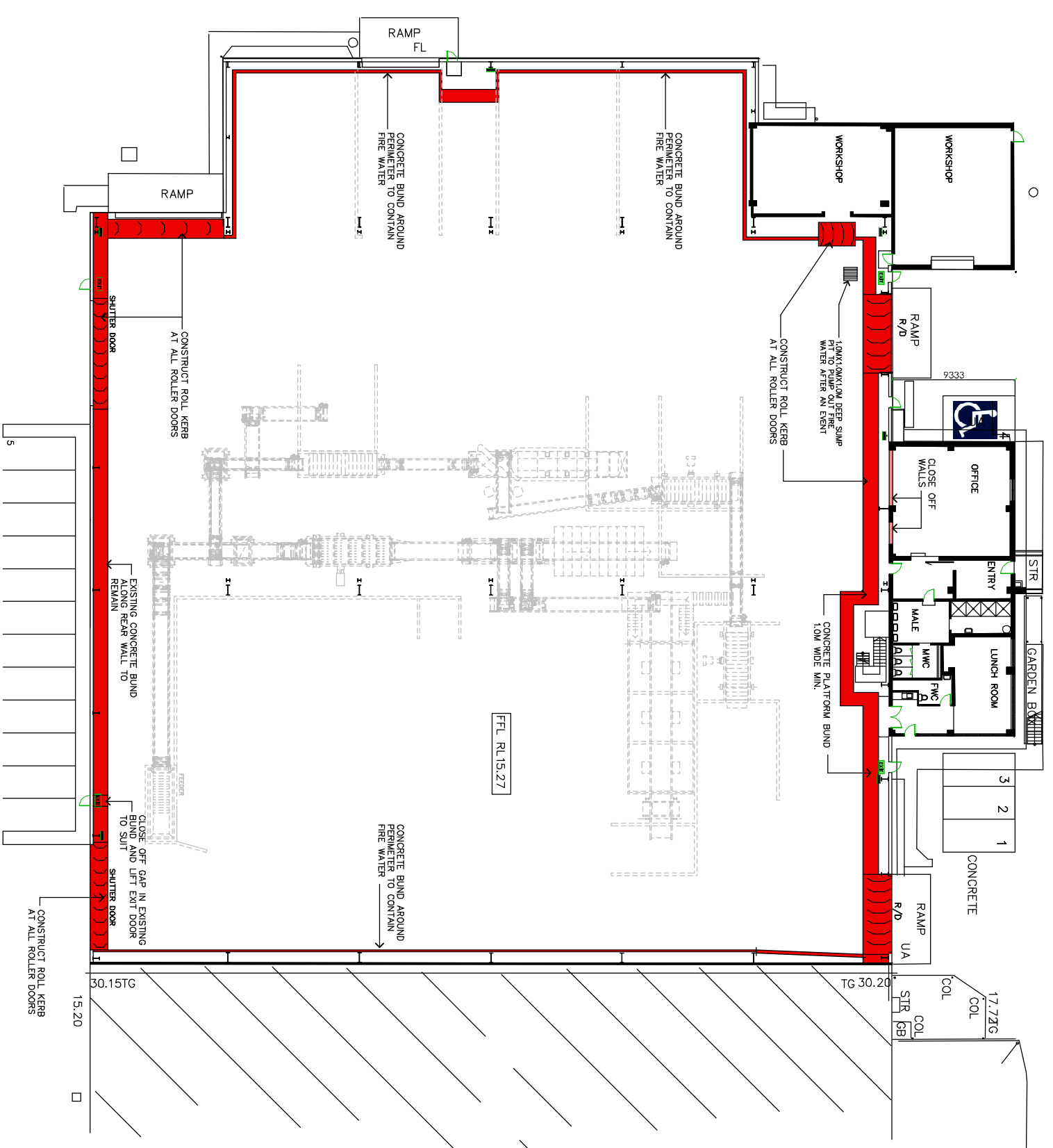
CLIENT:
cobra
waste solutions



GENERAL NOTES:
1. ALL DIMENSIONS AND FLOOR LEVELS ARE TO BE TAKEN FROM THE FINISHED FLOOR TO THE COMPLETION OF THE BUILDING.
2. LEVELS SHOWN ARE APPROXIMATE UNLESS ACCOMPANIED BY REDUCED LEVELS FROM A DETAILED SURVEY BUILDING WORK.
3. TYPED DIMENSIONS MUST BE TAKEN IN PREFERENCE TO SCALING FROM A COMMERCIAL OR ANY BUILDING WORK.
4. WHERE DIMENSIONS ARE SHOWN IN RED, THEY TAKE PRECEDENCE OVER THE DRAWING.
5. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
6. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
7. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
8. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS, TYPICAL BUILDING WORK CODES AND AS SHOWN.
9. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
10. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
11. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
12. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.
13. DIMENSIONS TO BE OBTAINED TO CONCRETE REINFORCEMENT AND AS SHOWN.

Carlo Ronieri & Associates
STRUCTURAL & CIVIL ENGINEERING
DESIGN CONSULTANTS
ENVIRONMENTAL CONSULTANTS
DRAWING:
EQUIPMENT ELEVATION B & C

PROJECT:
RESOURCE RECOVERY FACILITY
30 LOFTUS ROAD YENNORA
LOT 8 DP1233715
DATE: 18-1-2022
JOB NO. CW/080920
PROJECT NO. 0820
SCALE 1:100
SHEET NO. A07
ISSUE B



FIRE WATER STORAGE CALCULATIONS:

SPRINKLERS = 2899L/MIN FOR 90MIN
= 260,910L OR 261m³

HYDRANT WATER = 10L/s X 60 = 600L/MIN
90MIN DURATION FOR 2 HYDRANTS 108m³

TOTAL WATER STORAGE REQUIREMENT
BASED ON 90MIN DURATION = 369m³

CATCHMENT AREA 3,607m²
369m²/3607m² = 0.102m HIGH BUND

BUND HEIGHT TO BE MINIMUM 125mm HIGH
ALLOWS FOR 450m³ OF STORAGE

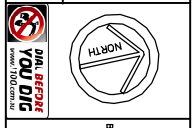
**PROPOSED BUNDING PLAN
FOR FIRE WATER CATCHMENT**

SCALE 1:200

ISSUE BY	DESCRIPTION	DATE
A	CR ISSUE FOR DEPARTMENT OF PLANNING	18-1-2022

CLIENT:

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- GENERAL NOTES:**
1. DOOR AREAS ARE TO BE VERIFIED BY THE BUILDER PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORKS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
 2. LEVELS SHOWN ARE APPROXIMATE UNLESS ACCOMPANIED BY REDDED LEVELS FROM A DETAILED SURVEY.
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
 4. ALL BOUNDARY CONDITIONS MUST BE VERIFIED BY THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY BUILDING WORKS.
 5. WHERE NECESSARY, DIMENSIONS ARE TO BE VERIFIED BY THE SURVEYOR PRIOR TO COMMENCEMENT OF ANY BUILDING WORKS.
 6. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY BUILDING WORKS COMMENCE.
 7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH RELEVANT AUTHORITIES BEFORE ANY BUILDING WORKS COMMENCE.
 8. THERE ARE TO BE RETAINED IN ACCORDANCE WITH AS/NZS 4576:2012 - 180 PART 1 NEW BUILDINGS TO SHOW DECISIONS TO BE RETAINED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH THE

Carlo Ranieri & Associates
STRUCTURAL & CIVIL ENGINEERING
BUILDING CONSULTANTS
ENVIRONMENTAL CONSULTANTS

2051-2053 THE NORTHERN ROAD
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DRAWING: PROPOSED BUNDING PLAN
FOR FIRE WATER CATCHMENT

PROJECT:	DATE:	JOB NO.	PROJECT NO.
RESOURCE RECOVERY FACILITY 30 LOFTUS ROAD YENNORRA LOT 8 DP1233715	18-1-2022	CW/080920	0820
			SCALE 1:200
			SHEET NO/ISSUE A08 A