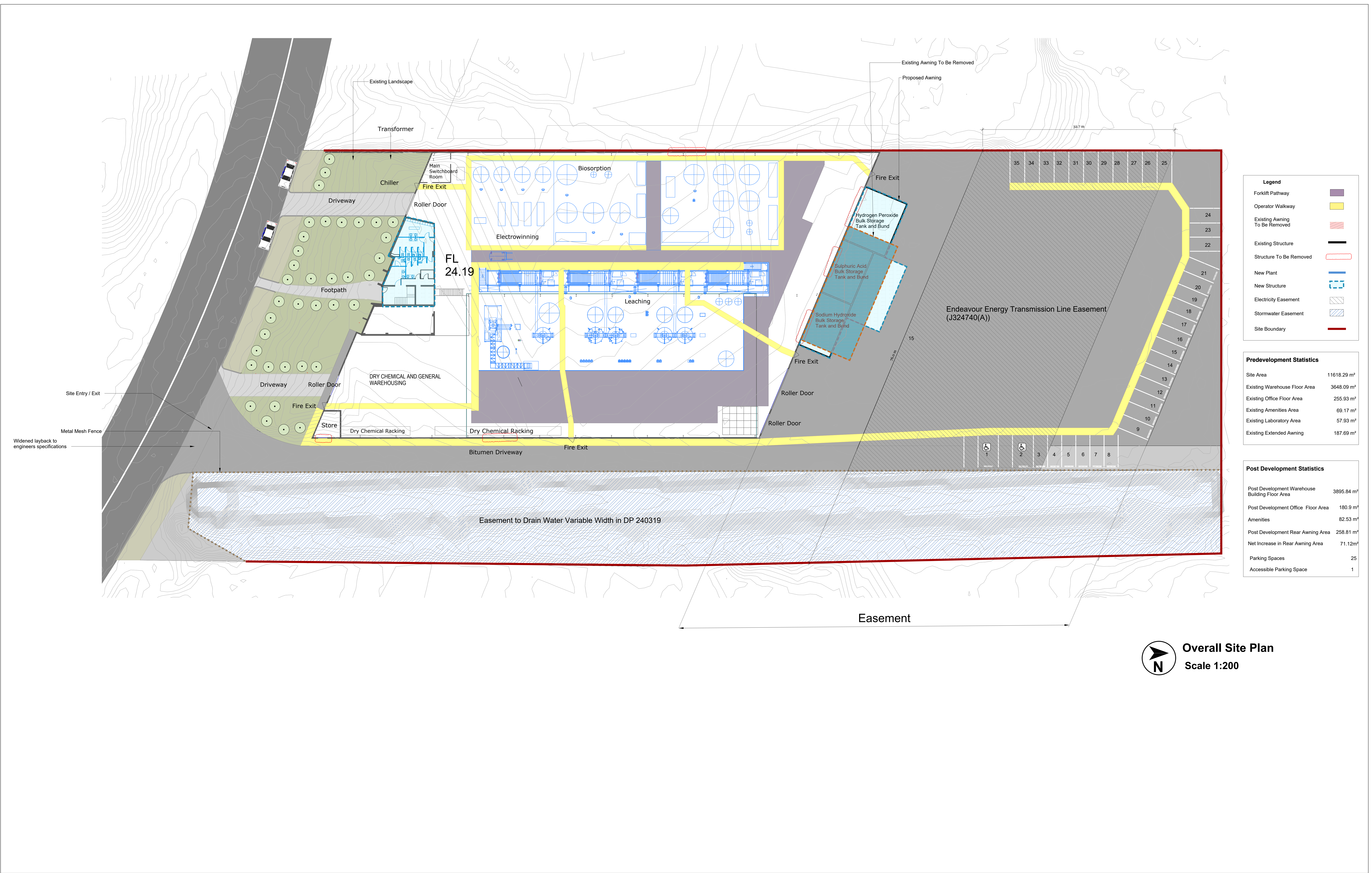
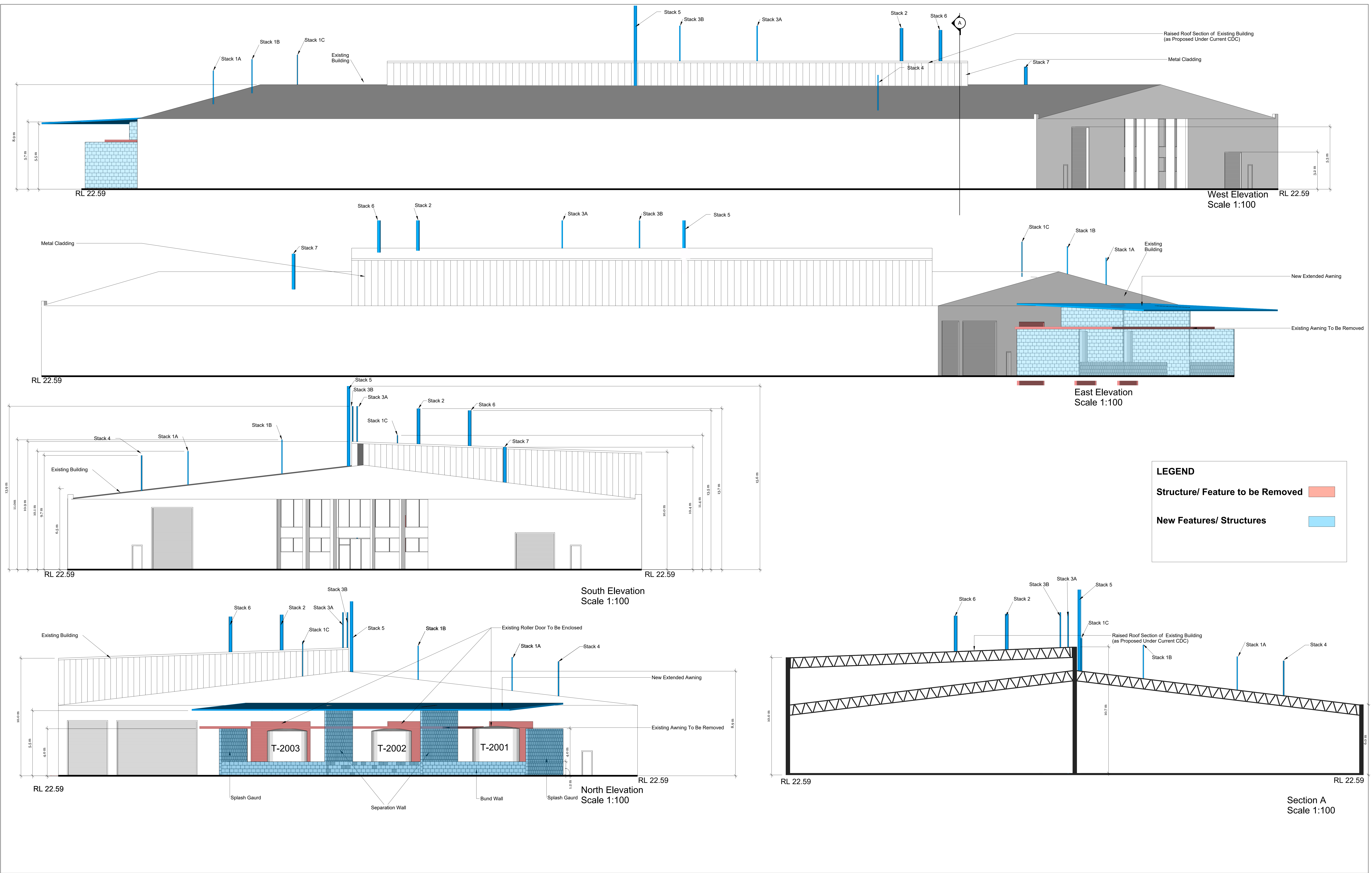
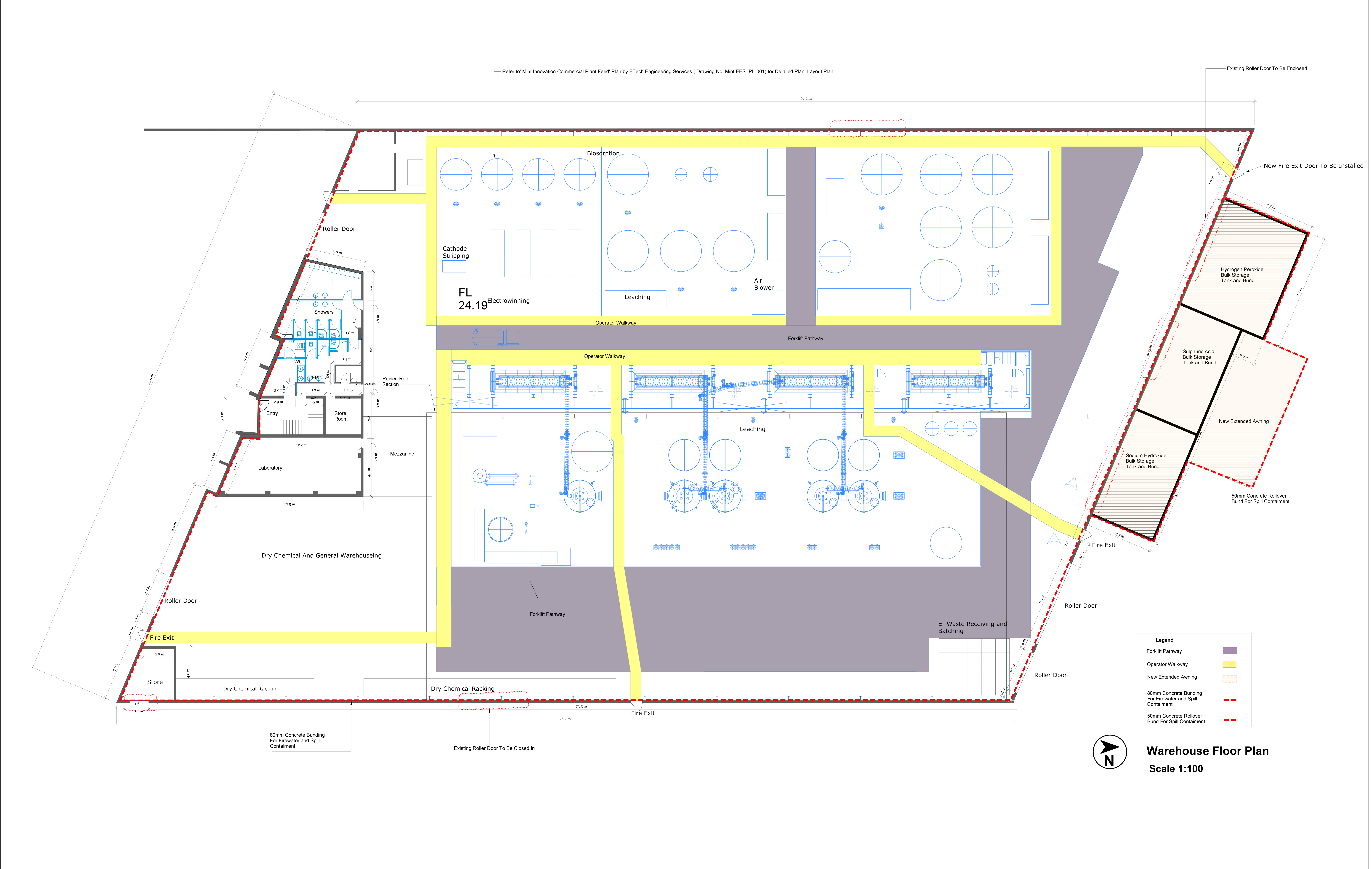




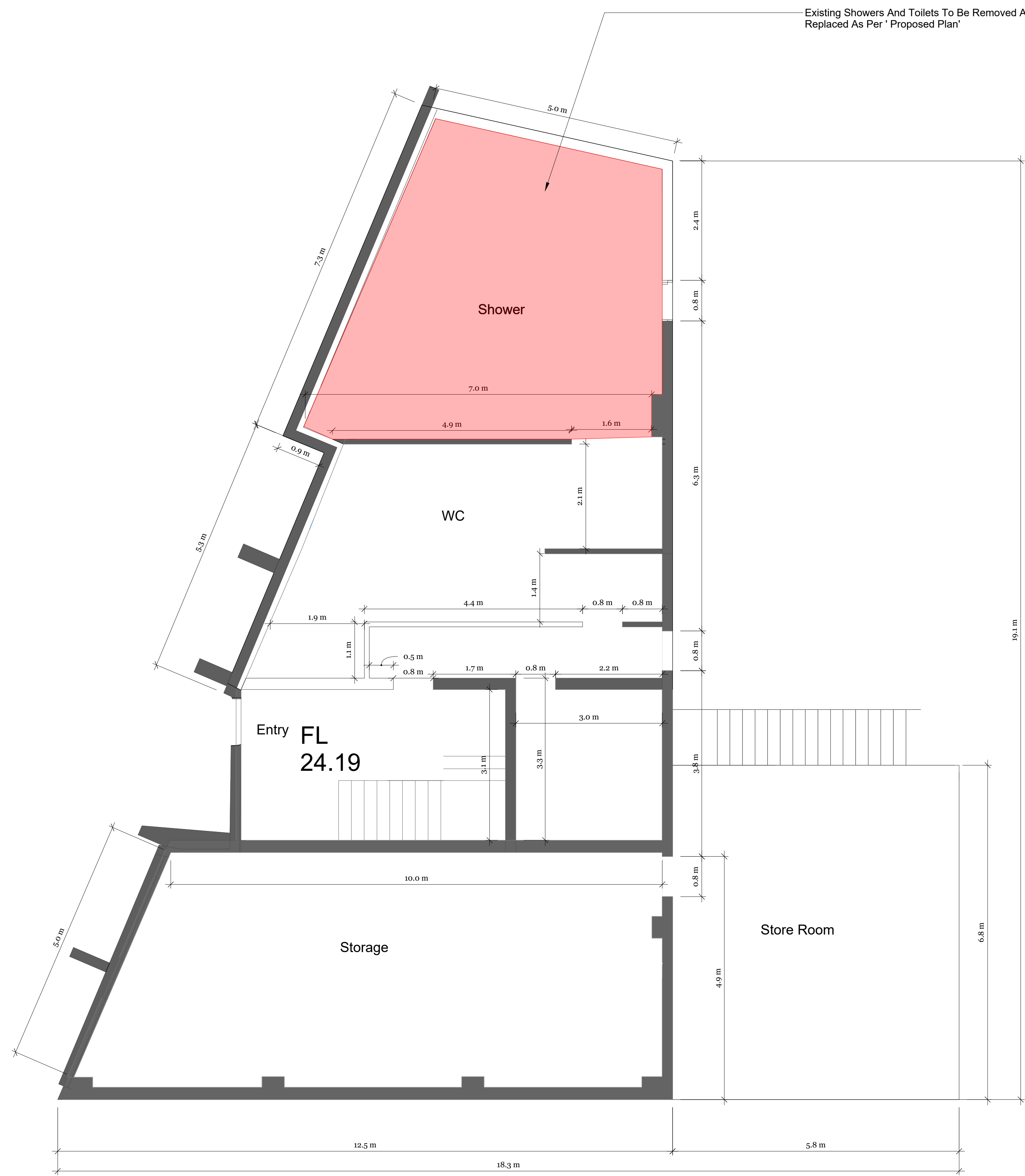
Date	Plan Number	Site Analysis Plan	Jackson Environment and Planning Pty Ltd Strategy Infrastructure Compliance Procurement A: Suite 102, Level 1, 25-29 Berry St, North Sydney NSW 2060 E: admin@jacksonenvironment.com.au T: 02 8056 1849 W: http://www.jacksonenvironment.com.au	Client	Mint Biomining Pty Ltd	01 A
10-25-2021	101	55 Long St, Smithfield NSW Lot 173 DP 548880		Project	Electronic Waste Recycling Facility	
				Title	Site Analysis Plan	
				Scale	1:200	
				Source	Jackson Environment and Planning Pty Ltd	



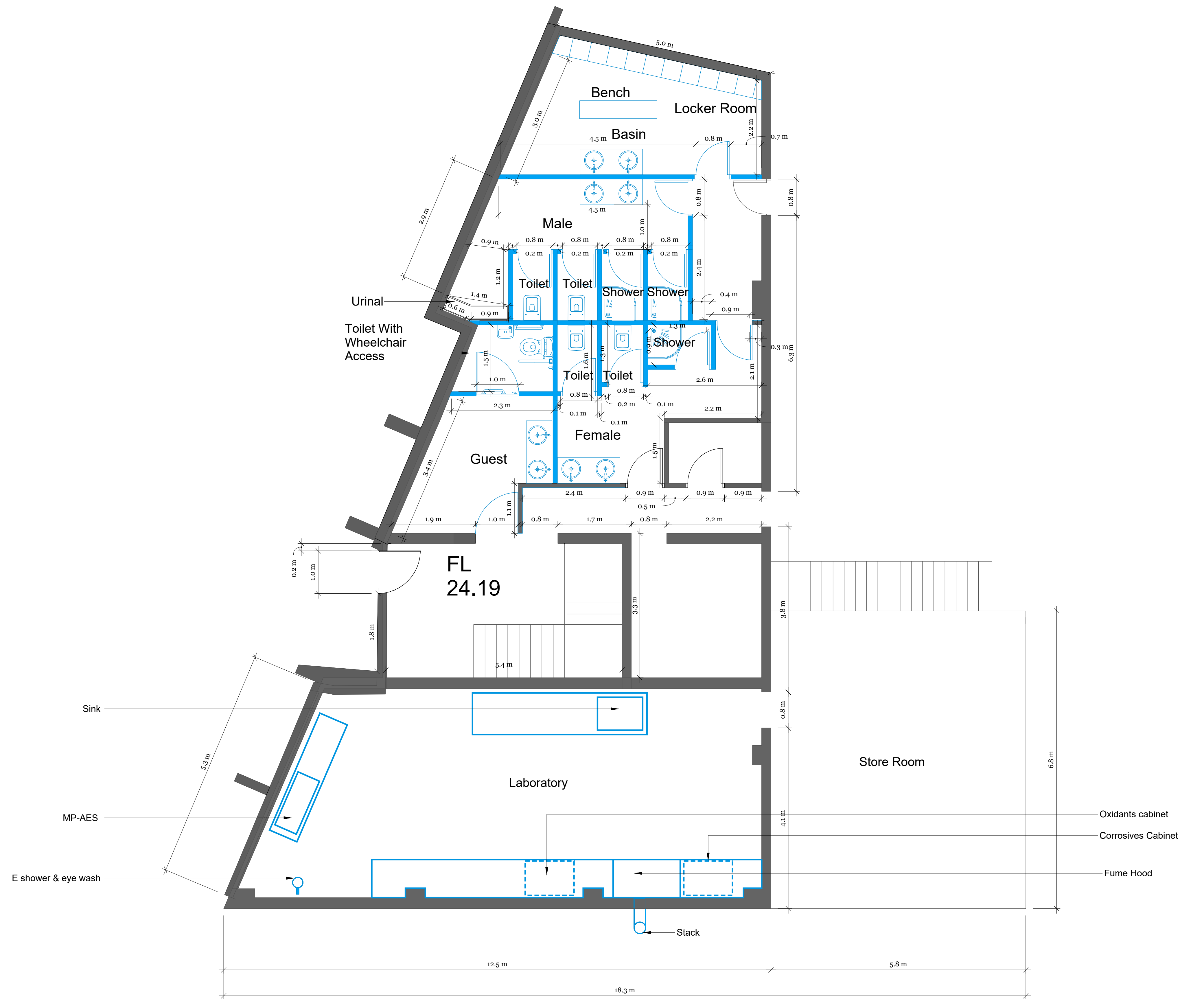
Date	Plan Number	Elevation and Section	Jackson Environment and Planning Pty Ltd		Client	Mint Biomining Pty Ltd	01 A
10-23-2021	106	55 Long St, Smithfield NSW Lot 173 DP 548880	Strategy Infrastructure Compliance Procurement		Project	Electronic Waste Recycling Facility	
			A: Suite 102, Level 1, 25-29 Berry St, North Sydney NSW 2060		Title	Elevation and Section	
			E: admin@jacksonenvironment.com.au		Scale	1:100	
			T: 02 8056 1849		Source	Jackson Environment and Planning Pty Ltd	
W: http://www.jacksonenvironment.com.au							



Date	Plan Number	Warehouse Ground Floor Plan	Jackson Environment and Planning Pty Ltd Strategy Infrastructure Compliance Procurement A: Suite 102, Level 1, 25-29 Berry St, North Sydney NSW 2060 E: admin@jacksonenvironment.com.au T: 02 8056 1849 W: http://www.jacksonenvironment.com.au	Client	Mint Biomining Pty Ltd
08-08-2021	102	55 Long St, Smithfield NSW Lot 173 DP 548880		Project	Electronic Waste Recycling Facility
				Title	Warehouse Ground Floor Plan
				Scale	1:100
				Source	Jackson Environment and Planning Pty Ltd



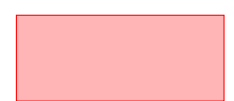
Ground Floor Plan Amenities (Existing)
Scale 1:50



Ground Floor Plan Amenities (Proposed)
Scale 1:50

Legend

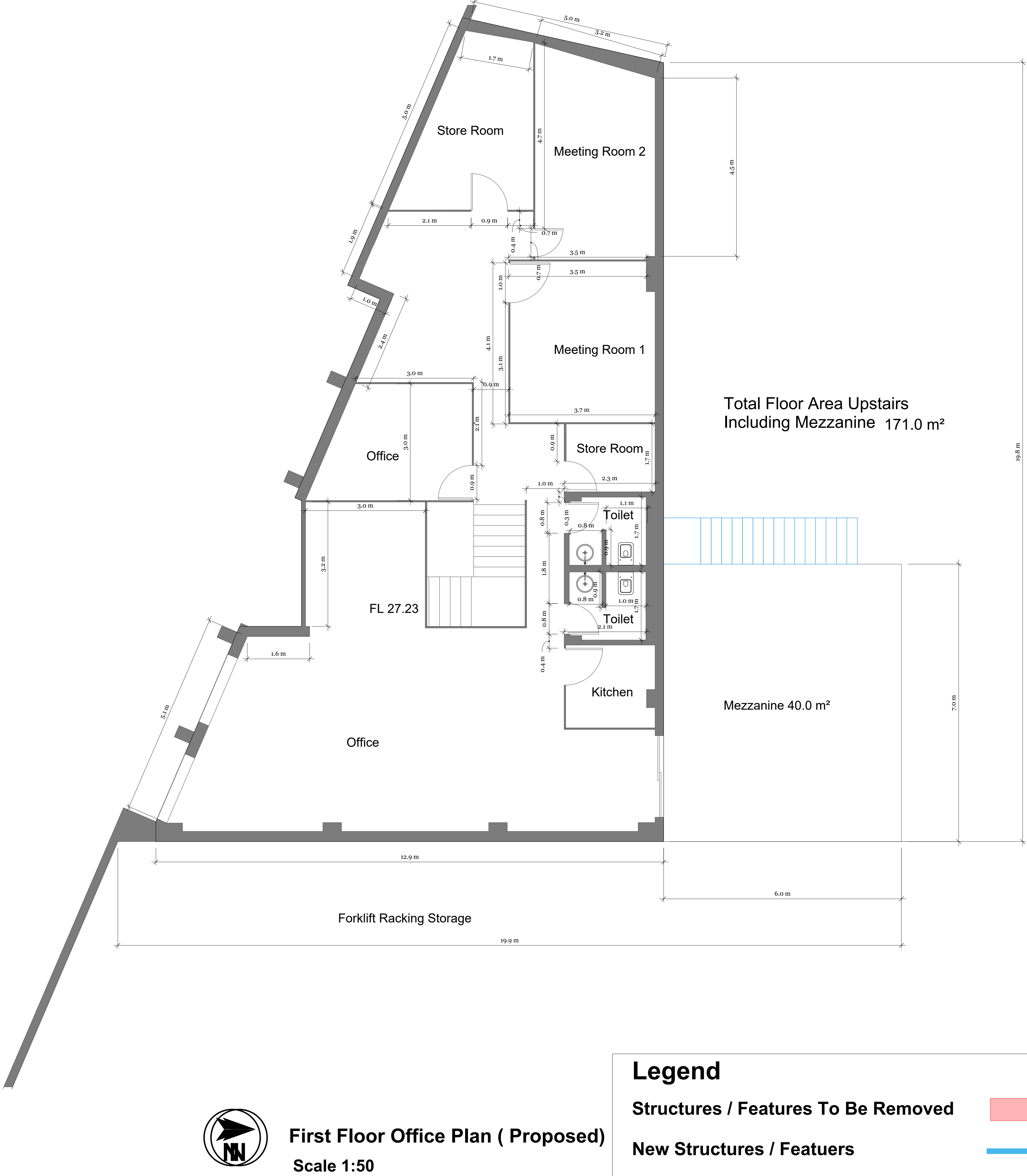
Structures / Features To Be Removed



New Structures / Features



Date	Plan Number	Ground Floor Amenities	Jackson Environment and Planning Pty Ltd Strategy Infrastructure Compliance Procurement A: Suite 102, Level 1, 25-29 Berry St, North Sydney NSW 2060 E: admin@jacksonenvironment.com.au T: 02 8056 1849 W: http://www.jacksonenvironment.com.au	Client	Mint Biomining Pty Ltd	01 A
15-08-2021	103	55 Long St, Smithfield NSW Lot 173 DP 548880		Project	Electronic Waste Recycling Facility	
				Title	Ground Floor Amenities	
				Scale	1:50	
				Source	Jackson Environment and Planning Pty Ltd	

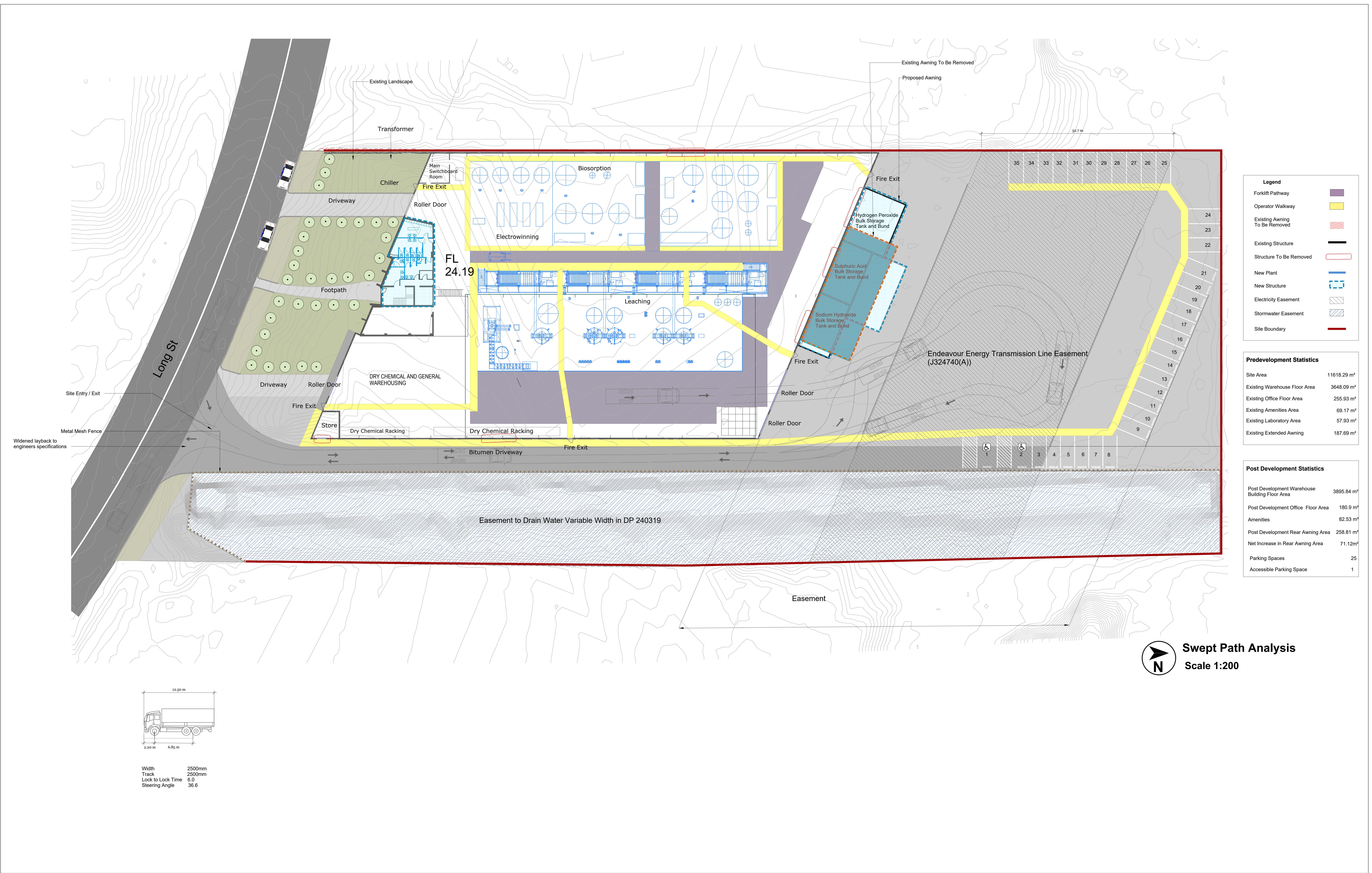


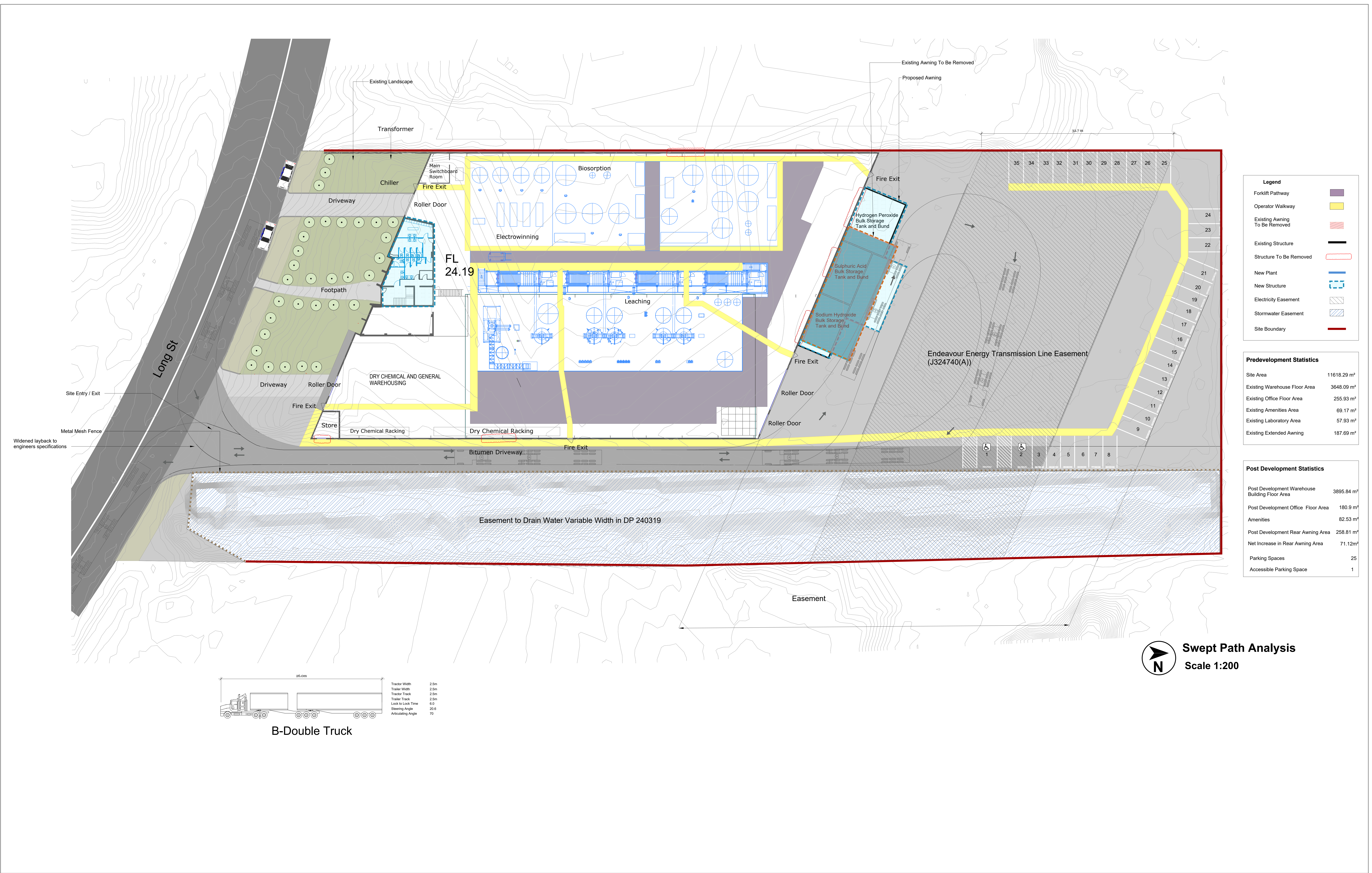
Legend

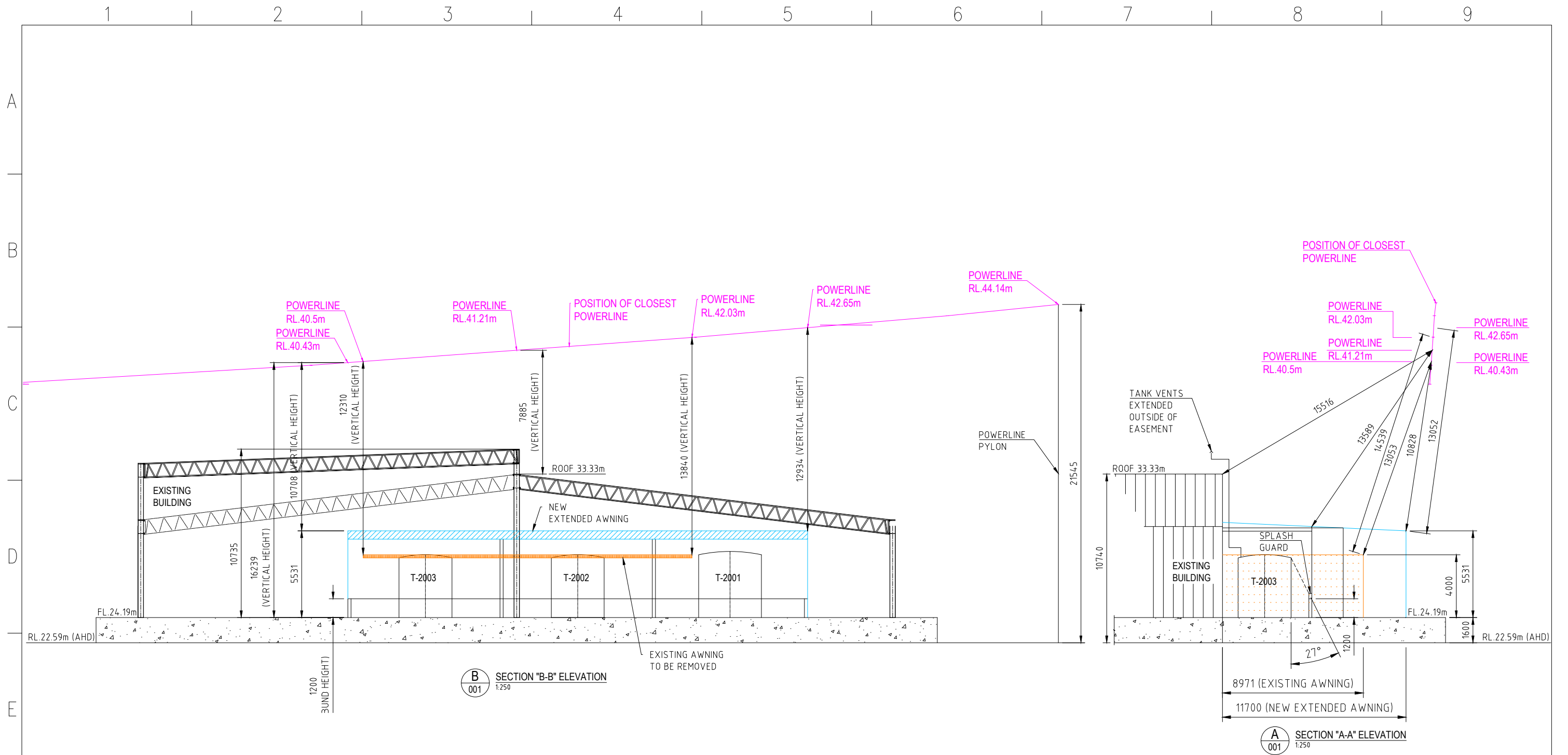
Structures / Features To Be Removed

New Structures / Features

Date	Plan Number	First Floor Office Floor Plan	Jackson Environment and Planning Pty Ltd		Client	Mint Biomining Pty Ltd	01
10-08-2021	104	55 Long St, Smithfield NSW Lot 173 DP 548880	Strategy Infrastructure Compliance Procurement		Project	Electronic Waste Recycling Facility	
			A: Suite 102, Level 1, 25-29 Berry St, North Sydney NSW 2060		Title	First Floor Office Floor Plan	
			E: admin@jacksonenvironment.com.au		Scale	1:50	
			T: 02 8056 1849		Source	Jackson Environment and Planning Pty Ltd	
			W: http://www.jacksonenvironment.com.au				A







LEGEND:

- EXISTING AWNING TO BE REMOVED
- NEW EXTENDED AWNING

NOTES:

- ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
- REFER TO DIMENSIONS, SURVEY ELEVATIONS OF SITE BOUNDARIES AND EXISTING BUILDINGS ON ORIGINAL PLANS.
- REFER TO C&A SURVEYORS DWG NO.18204-21 DET FOR PARTIAL DETAIL SURVEY OF BUILDING AND LOCATION OF NEAREST HIGH VOLTAGE POWER LINE.
- ALL PROCESS VESSELS AND BULK STORAGE TANKS TO HAVE SECONDARY CONTAINMENT BUND TO APPROPRIATE STANDARDS.
- TANKER UNLOADING TO HAVE SECONDARY CONTAINMENT BUND.
- OUTDOOR BULK STORAGE TANKS AND BUND SEPARATION TO CONSIDER AS 3780 AND AS 4326 REQUIREMENTS.
- DRY CHEMICAL STORAGE TO CONSIDER SEPARATION DISTANCES FOR INCOMPATIBLE MATERIALS.

FOR INFORMATION

REV	DATE	DESCRIPTION	BY	CHK	APP
B	11.AUG.2021	FOR INFORMATION	LL	NM	NM
A	19.JUL.2021	FOR INFORMATION	LL	NM	NM

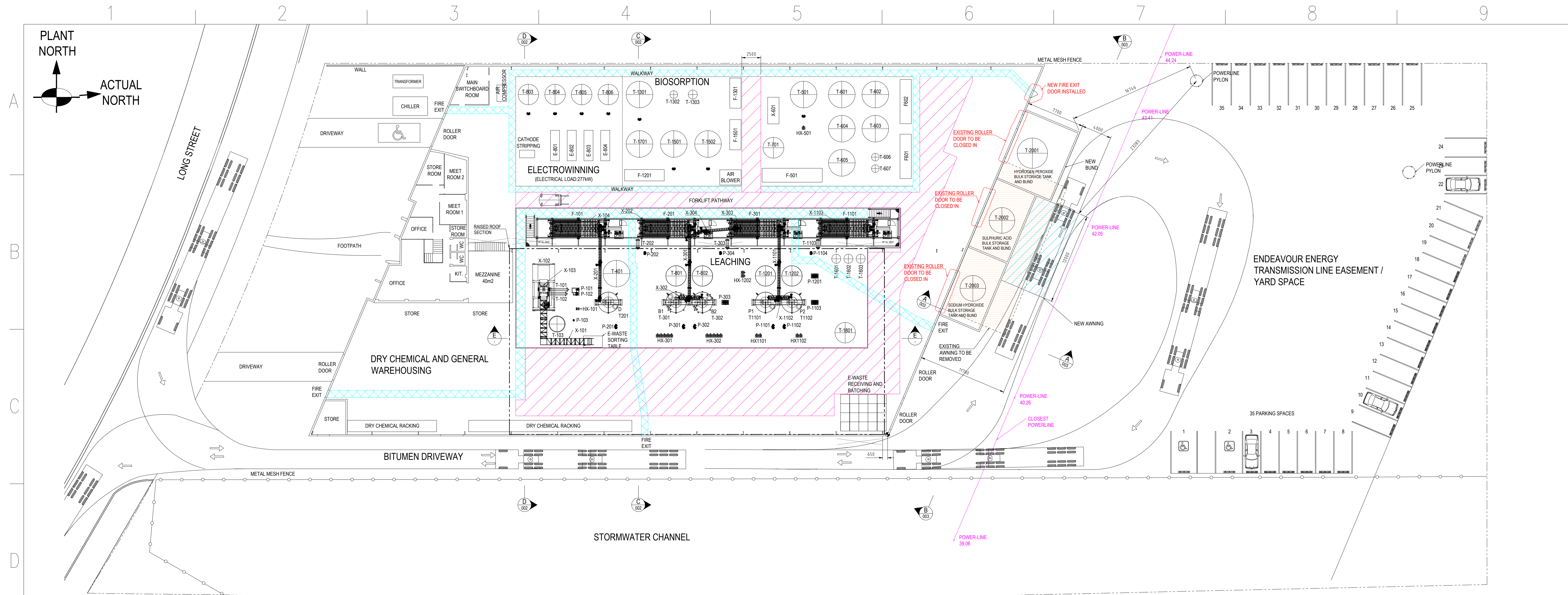


PROJECT
MINT INNOVATION COMMERCIAL
PLANT FEED

TITLE
PROPOSED BULK STORAGE TANK
ELEVATION VIEW
(SHOWING TO CLOSEST POWERLINES)

JOB NO.	2020003
SCALE	1:300
DRAWN	LL
CHECKED	NM
APPROVED	NM
DATE	11.AUG.2021

ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE	DWG. NO. MINT-EES-PL-003	REV. B
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PLOT PLAN
1:250

LEGEND:

- FORKLIFT PATHWAY
- OPERATOR WALKWAY
- EXISTING AWNING TO BE REMOVED
- NEW EXTENDED AWNING

SITE ADDRESS:
LOT 173 DP548880
NO.55, LONG STREET, SMITHFIELD,
NSW, AUSTRALIA

- NOTES:
1. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
 2. REFER TO DIMENSIONS, SURVEY ELEVATIONS OF SITE BOUNDARIES AND EXISTING BUILDINGS ON ORIGINAL PLANS.
 3. REFER TO C&A SURVEYORS DWG NO.18204-21 DET FOR PARTIAL DETAIL SURVEY OF BUILDING AND LOCATION OF NEAREST HIGH VOLTAGE POWER LINE.
 4. ALL PROCESS VESSELS AND BULK STORAGE TANKS TO HAVE SECONDARY CONTAINMENT BUND TO APPROPRIATE STANDARDS.
 5. TANKER UNLOADING TO HAVE SECONDARY CONTAINMENT BUND.
 6. OUTDOOR BULK STORAGE TANKS AND BUND SEPARATION TO CONSIDER AS 3780 AND AS 4326 REQUIREMENTS.
 7. DRY CHEMICAL STORAGE TO CONSIDER SEPARATION DISTANCES FOR INCOMPATIBLE MATERIALS.

Tag No	Description	Motor Rating, kW	Noise, dBA
P-102	Undersized Ewaste Filter Press Feed Pump (DN50)	(pneumatic)	75
P-1101	Precious Metal Reactor 1 Recirculating Pump (DN50)	(pneumatic)	75
P-1102	Precious Metal Reactor 2 Recirculating Pump (DN50)	(pneumatic)	75
P-1103	Precious Metal Filter Press Feed Pump (DN80)	(pneumatic)	75
P-1201	Pre-biosorption Recirculation Pump (DN50)	(pneumatic)	75
P-1202	Pre-biosorption Filter Press Feed Pump (DN80)	(pneumatic)	75
P-1301	Biosorption Pump (DN80)	(pneumatic)	75
P-1501	NaOH Neutralization Feed Pump (DN80)	(pneumatic)	75
P-201	Displacement Filter Press Feed Pump (DN80)	(pneumatic)	75
P-301	Piranha Reactor 1 Recirculating Pump (DN50)	(pneumatic)	75
P-302	Piranha Reactor 2 Recirculating Pump (DN50)	(pneumatic)	75
P-303	Piranha Filter Press Feed Pump (DN80)	(pneumatic)	75
P-401	Displacement Recycle Solution Pump (DN80)	(pneumatic)	75
P-501	MgO Neutralization Pump (DN80)	(pneumatic)	75
P-502	Displacement Recycle Solution Pump	(pneumatic)	75
P-602	Ca(OH)2 Slurry Feed Pump (DN80)	(pneumatic)	75
P-603	MgSO4 and Ca(OH)2 Recirculating Pump (DN50)	(pneumatic)	75
P-604	Grey Water Feed Pump (DN80)	(pneumatic)	75
P-605	CaSO4 Recirculating Pump 1 (DN50)	(pneumatic)	75
P-606	CaSO4 Recirculating Pump 2 (DN50)	(pneumatic)	75
P-701	Electrowinning Feed Pump (DN50)	(pneumatic)	75
P-702	Electrowinning Discharge Pump (DN50)	(pneumatic)	75
P-802	Piranha Recycle Solution Pump(DN50)	(pneumatic)	75

Tag No	Description	Motor Rating, kW	Noise, dBA
C-1801	Oilless Scroll Compressor	75	66
X-1801	Air cooled modular chiller	411	74
P-103	Water recirculating pump	1.5	65
X-101	Size reduction feed conveyor	4.4	65
X-102	Dual Stage E-waste Hammer Mill	374	80
F-101	Hammer Mill Filter Press	15	65
F-1101	PML Filter Press	15	65
F-201	Displacement Filter Press	15	65
F-301	Piranha Filter Press	15	65
M-1101	Precious Metal Reactor 1 Agitator	22	65
M-1102	Precious Metal Reactor 2 Agitator	22	65
M-1103	Foam breaker	3	65
M-1104	Foam breaker	3	65
M-201	Displacement Reactor Agitator	22	65
M-301	Piranha Reactor 1 Agitator	22	65
M-302	Piranha Reactor 2 Agitator	22	65
M-303	Foam breaker	3	65
M-304	Foam breaker	3	65
X-104	Size reduction live bottom bin	4.4	65
X-104	Rotary Vibrating Screen	1.1	75
X-1101	PML loading conveyor	8	65
X-1102	PML discharge transfer conveyor	2.2	65
X-1103	PML live bottom bin	4.4	65
X-201	Displacement loading conveyor	8	65
X-202	Displacement live bottom bin	4.4	65
X-301	Piranha loading conveyor	8	65
X-302	Piranha discharge transfer conveyor	2.2	65
X-303	Piranha live bottom bin	4.4	65
X-304	Piranha return transfer conveyor	4	65
(Rectifier)	Copper Electrowinning Cell	277	42
P-803	Electrowinning circulation pump	1.5	65
P-804	Electrowinning circulation pump	1.5	65

Tag No	Description	Motor Rating, kW	Noise, dBA
P-805	Electrowinning circulation pump	1.5	65
P-806	Electrowinning circulation pump	1.5	65
C-1802	Blower for FP drying air #1	90	78
C-1803	Blower for FP drying air #2	90	78
F-1201	CYA Filter Press	5	65
F-1301	Biosorption Filter Press	1.5	65
F-1501	M(OH) Filter Press	1.5	65
F-501	M(OH) Filter Press	9	65
F-601	Gypsum Filter Press	9	65
F-601	Gypsum Filter Press	9	65
M-501	Magnesium Hydroxide Tank Agitator	12	65
M-601	Citric Acid Agitator	3	65
M-602	Ca(OH)2 Slurry Agitator	9	65
M-603	MgSO4 and Ca(OH)2 Mixing Tank Agitator	9	65
M-604	CaSO4 Precipitation Tank Agitator	9	65
P-601	Powder mixing pump	11	65
X-601	CaSO4 and Mg(OH)2 Separation Centrifuge	140	78

FOR INFORMATION

REV	DATE	DESCRIPTION	BY	CHK	APP
B	28 OCT 2021	FOR INFORMATION	LL	NM	NM
A	22 JUL 2021	FOR INFORMATION	LL	NM	NM

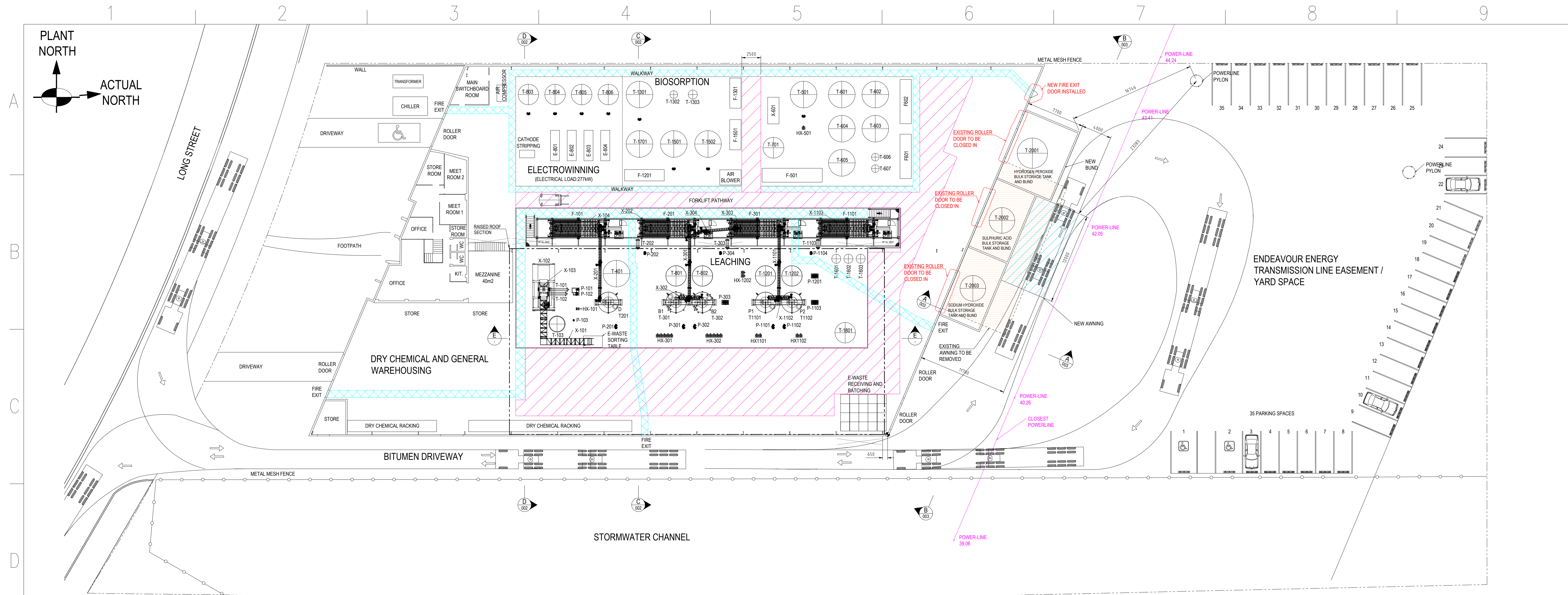
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MINT INNOVATION COMMERCIAL
PLANT FEED

MINT INNOVATION COMMERCIAL PLANT
PLOT PLAN
(SHOWING OPERATIONAL EQUIPMENT LIST)

JOB NO.	2020003	ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE	REV.	B
SCALE	1:250	DWG. NO.	MINT-EES-PL-001B	
DRAWN	LL			
CHECKED	NM			
APPROVED	NM			
DATE	28 OCT 2021			



PLOT PLAN
1:250

LEGEND:

- FORKLIFT PATHWAY
- OPERATOR WALKWAY
- EXISTING AWNING TO BE REMOVED
- NEW EXTENDED AWNING

SITE ADDRESS:
LOT 173 DP548880
NO.55, LONG STREET, SMITHFIELD,
NSW, AUSTRALIA

- NOTES:
- ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
 - REFER TO DIMENSIONS, SURVEY ELEVATIONS OF SITE BOUNDARIES AND EXISTING BUILDINGS ON ORIGINAL PLANS.
 - REFER TO C&A SURVEYORS DWG NO.18204-21 DET FOR PARTIAL DETAIL SURVEY OF BUILDING AND LOCATION OF NEAREST HIGH VOLTAGE POWER LINE.
 - ALL PROCESS VESSELS AND BULK STORAGE TANKS TO HAVE SECONDARY CONTAINMENT BUND TO APPROPRIATE STANDARDS.
 - TANKER UNLOADING TO HAVE SECONDARY CONTAINMENT BUND.
 - OUTDOOR BULK STORAGE TANKS AND BUND SEPARATION TO CONSIDER AS 3780 AND AS 4326 REQUIREMENTS.
 - DRY CHEMICAL STORAGE TO CONSIDER SEPARATION DISTANCES FOR INCOMPATIBLE MATERIALS.

Tag No	Description	Contents	Volume (L)
T-101	Process Tank	Water	300
T-102	Process Tank	Water	300
T-103	Process Tank	Water	6,000
T-201	Process Tank	Dilute Sulphuric Acid Solution and metal sulphates	15,000
T-202	Process Tank	Dilute Sulphuric Acid Solution and metal sulphates	300
T-301	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	15,000
T-302	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	15,000
T-303	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	300
T-401	Process Tank	Dilute Sulphuric Acid Solution and metal sulphates	30,000
T-501	Process Tank	Dilute Sulphuric Acid Solution and metal hydroxides	30,000
T-502	Process Tank	Water and metal sulphates and hydroxides	300
T-601	Process Tank	MgSO4 solution	25,000
T-602	Process Tank	CaSO4 Solution	30,000
T-603	Process Tank	CaSO4 Solution	30,000
T-604	Process Tank	Grey water	30,000
T-605	Process Tank	Grey water	30,000
T-606	Process Tank	Ca(OH)2 Slurry	400
T-607	Process Tank	Ca(OH)2 Slurry	400
T-701	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	15,000
T-801	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	15,000
T-802	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	15,000
T-803	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	20,000
T-804	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	20,000
T-805	Process Tank	Dilute Sulphuric Acid and Hydrogen Peroxide Solution	20,000

Tag No	Description	Contents	Volume (L)
T-806	Process Tank	Dilute Sulfuric Acid and Hydrogen Peroxide Solution	20,000
T-1101	Process Tank	Dilute Trichloroisocyanuric Acid	18,000
T-1102	Process Tank	Dilute Trichloroisocyanuric Acid	18,000
T-1103	Process Tank	Dilute Trichloroisocyanuric Acid	300
T-1201	Process Tank	Dilute Trichloroisocyanuric Acid and Hydrogen Peroxide	30,000
T-1202	Process Tank	Dilute Trichloroisocyanuric Acid and Hydrogen Peroxide	30,000
T-1301	Process Tank	Dilute Trichloroisocyanuric Acid, Hydrogen Peroxide, Microbes	30,000
T-1302	Process Tank	Microbes	100
T-1303	Process Tank	Dilute filter cellulose	500
T-1501	Process Tank	Grey water	35,000
T-1502	Process Tank	Grey water	35,000
T-1601	Process Tank	Sodium Hydroxide Solution	3,000
T-1602	Process Tank	Sodium Hydroxide Solution	3,000
T-1603	Process Tank	Sodium Hydroxide Solution	3,000
T-1701	Process Tank	Grey water	30,000
T-1801	Process Tank	Water	20,000
T-2001	Hydrogen peroxide bulk tank	60% Hydrogen Peroxide	50,000
T-2002	Sulphuric acid bulk storage tank	98% Sulphuric Acid	30,000
T-2003	Sodium hydroxide bulk storage tank	50% Sodium Hydroxide	30,000

FOR INFORMATION

REV	DATE	DESCRIPTION	BY	CHK	APP
B	28 OCT 2021	FOR INFORMATION	LL	NM	NM
A	22 JUL 2021	FOR INFORMATION	LL	NM	NM

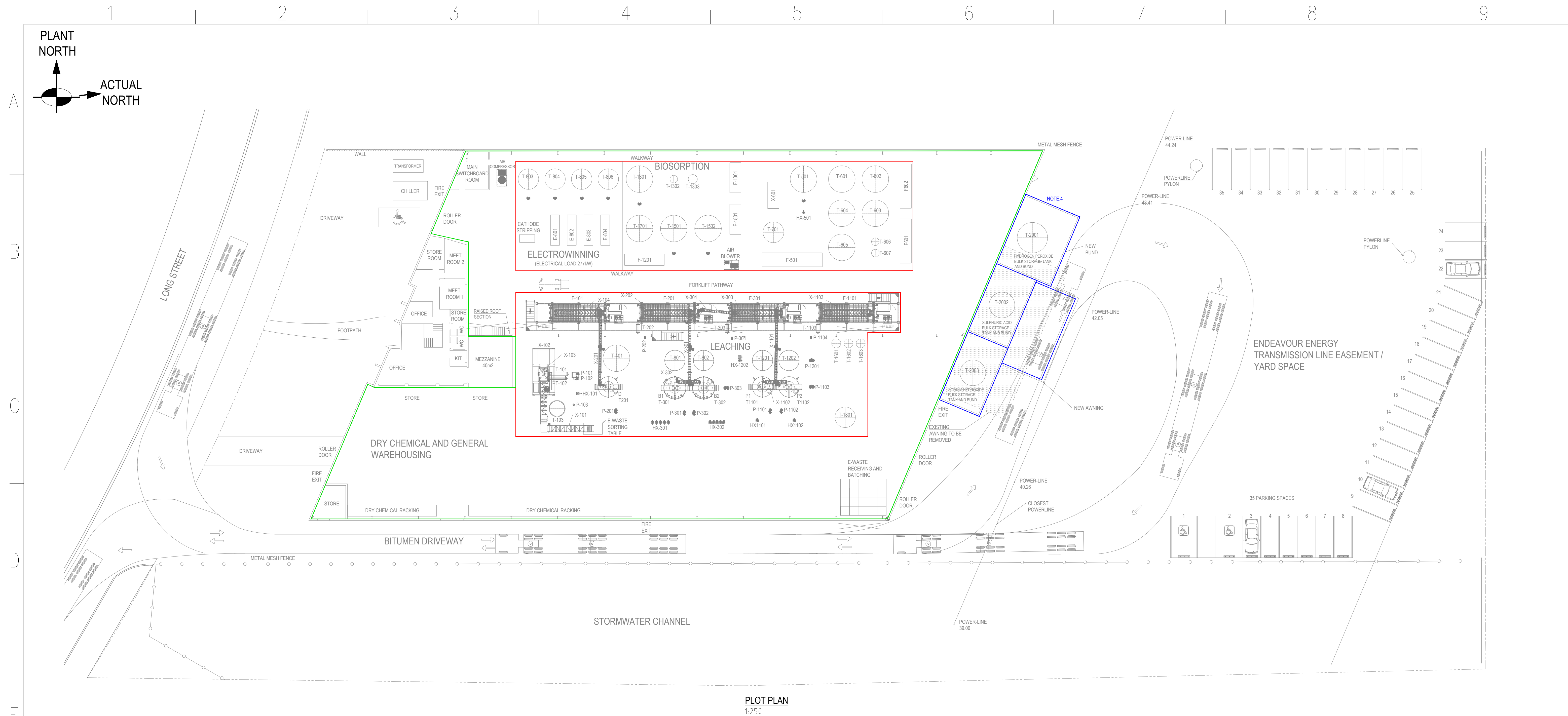
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PROJECT
MINT INNOVATION COMMERCIAL
PLANT FEED

TITLE
MINT INNOVATION COMMERCIAL PLANT
PLOT PLAN (SHOWING PROCESS TANK LIST)

JOB NO. 2020003	ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE		REV. B
SCALE 1:250	DWG. NO. MINT-EES-PL-001A		
DRAWN LL			
CHECKED NM			
APPROVED NM			
DATE 28 OCT 2021			



SITE ADDRESS:
LOT 173 DP548880
NO.55, LONG STREET, SMITHFIELD,
NSW, AUSTRALIA

- NOTES:
1. PROCESS BUND AS SHOWN IN RED.
 2. PROCESS BUND WALL HEIGHT TO BE COMPLIANT WITH LOCAL REGULATION AND CREST LOCUS LIMIT.
 3. FIRE WATER BUND AS SHOWN IN GREEN.
 4. OUTDOOR BULK STORAGE AND TANKER UNLOADING AREA BUNDS SHOWN IN BLUE.

FOR INFORMATION

REV	DATE	DESCRIPTION	BY	CHK	APP
D	28 OCT 2021	FOR INFORMATION	LL	NM	NM
C	12 OCT 2021	FOR INFORMATION	LL	NM	NM
B	25 AUG 2021	FOR INFORMATION	LL	NM	NM
A	17 AUG 2021	FOR INFORMATION	LL	NM	NM

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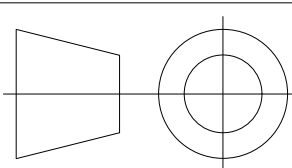
PROJECT
MINT INNOVATION COMMERCIAL
PLANT FEED

TITLE
MINT INNOVATION COMMERCIAL PLANT
PROCESS SECONDARY CONTAINMENT

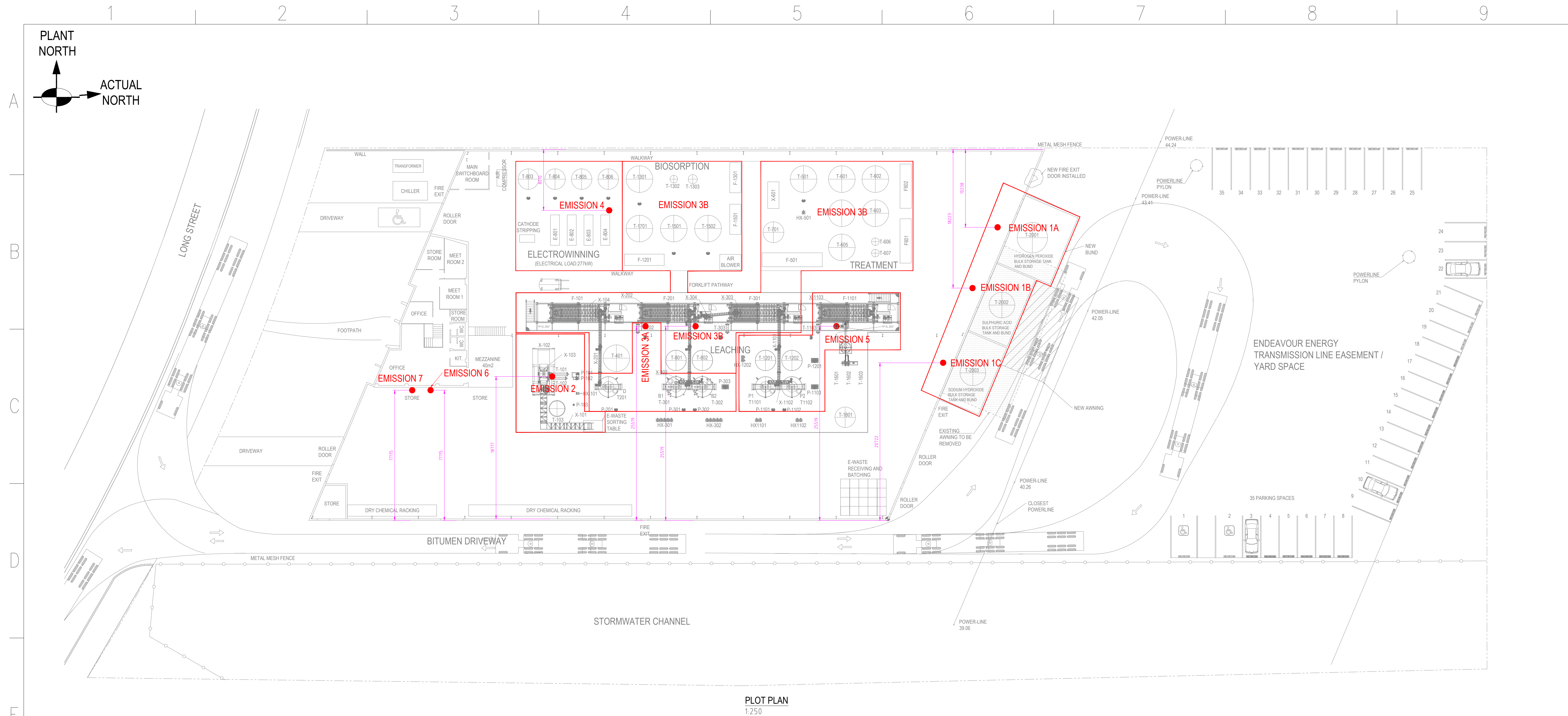
JOB NO.	2020003
SCALE	1:250
DRAWN	LL
CHECKED	NM
APPROVED	NM
DATE	28 OCT 2021

ALL DIMENSIONS
IN MILLIMETERS
UNLESS NOTED
OTHERWISE

DWG. NO.
MINT-EES-PL-001



REV.
D



PLOT PLAN
1:250

SITE ADDRESS:
LOT 173 DP548880
NO.55, LONG STREET, SMITHFIELD,
NSW, AUSTRALIA

- NOTES:
- 1. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
 - 2. REFER TO DIMENSIONS, SURVEY ELEVATIONS OF SITE BOUNDARIES AND EXISTING BUILDINGS ON ORIGINAL PLANS.
 - 3. REFER TO C&A SURVEYORS DWG NO.18204-21 DET FOR PARTIAL DETAIL SURVEY OF BUILDING AND LOCATION OF NEAREST HIGH VOLTAGE POWER LINE.
 - 4. ALL PROCESS VESSELS AND BULK STORAGE TANKS TO HAVE SECONDARY CONTAINMENT BUND TO APPROPRIATE STANDARDS.
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 - 7. DRY CHEMICAL STORAGE TO CONSIDER SEPARATION DISTANCES FOR INCOMPATIBLE MATERIALS.

D	2 NOV 2021	FOR INFORMATION-EMISSIONS	LL	NM	NM
C	28 OCT 2021	FOR INFORMATION-EMISSIONS	LL	NM	NM
B	16 AUG 2021	FOR INFORMATION-EMISSIONS	LL	NM	NM
A	21 JUL 2021	FOR INFORMATION-EMISSIONS	LL	NM	NM
REV	DATE	DESCRIPTION	BY	CHK	APP
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CLIENT

PROJECT

MINT INNOVATION COMMERCIAL
PLANT FEED

TITLE

MINT INNOVATION COMMERCIAL PLANT
PLOT PLAN SHOWING EMISSIONS POINT

JOB NO.	2020003	ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE		REV. D
SCALE	1:250	DWG. NO.		
DRAWN	LL	MINT-EES-PL-001		
CHECKED	NM			
APPROVED	NM			
DATE	2 NOV 2021			