



SITE ANALYSIS

FLOOR AREAS

TOTAL INDUSTRY AREA = 849.2m²
 TOTAL OFFICE/MEZZANINE = 77.1m²
 FUTURE OFFICE = 61.1m²

TOTAL BUILDING AREA = 1111.9m²
 SITE AREA = 5050.0m²
 SITE COVERAGE = 21.9%

CAR PARKING

1 CARSPACE PER 100m² GROSS FLOOR AREA
 TOTAL CARSPACES REQUIRED = 11.1 (12)
 TOTAL CARSPACES PROVIDED = 12

BICYCLE PARKING

1 BICYCLE SPACE PER 150m² GROSS FLOOR AREA
 TOTAL BICYCLE SPACES REQUIRED = 7.4 (8)
 TOTAL CARSPACES PROVIDED = 8

R.P.D.

LOT NUMBER : 28
 REG./SURVEY PLAN NO. : SP195007
 PARISH : MURCHISON
 COUNTY : LIVINGSTONE
 AREA : 5050m²
 WIND SPEED : C1

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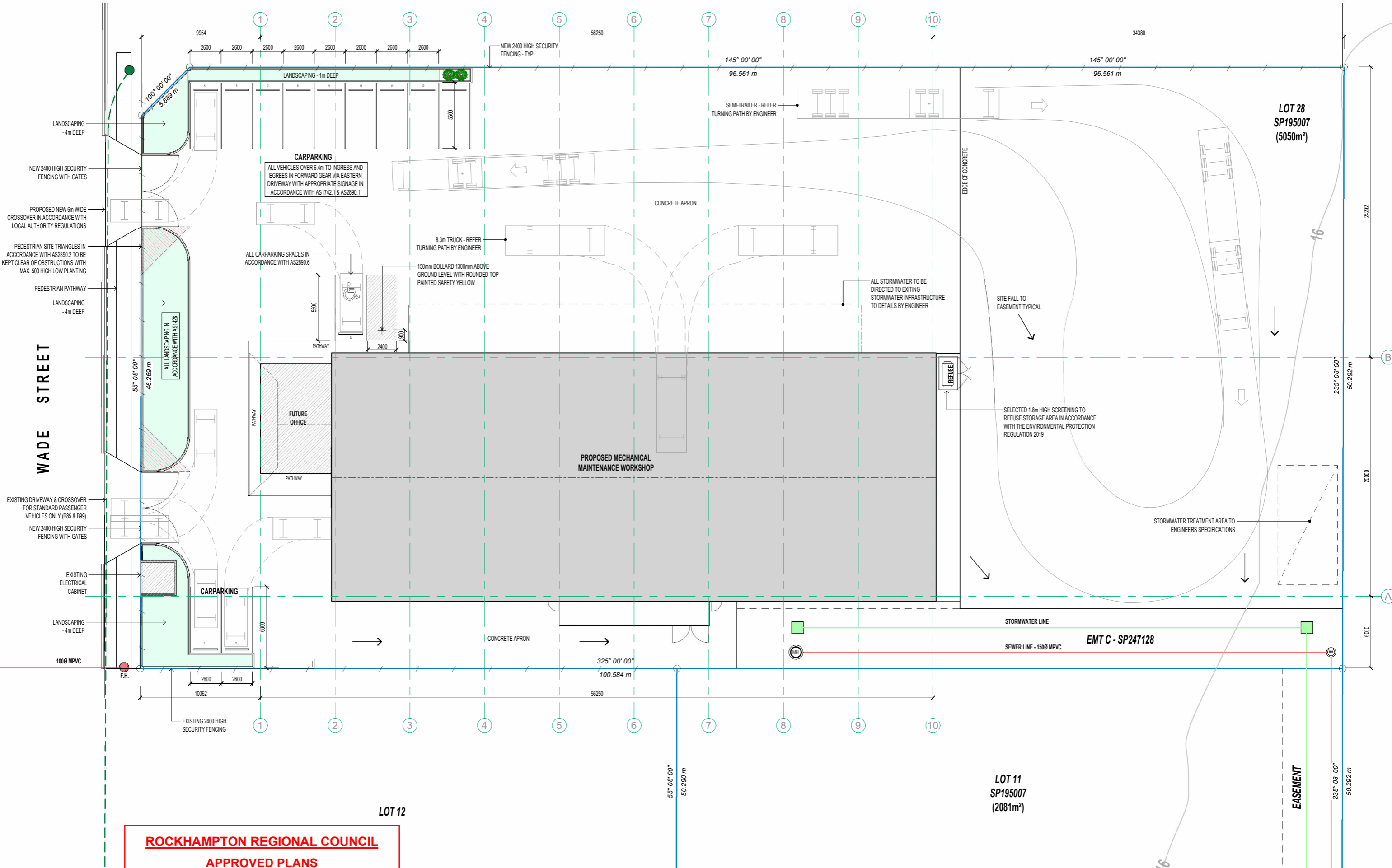
APPROVED PLANS

These plans are approved subject to the current conditions of approval associated with

Development Permit No.: D/185-2023

Dated: 21 June 2024

PROPOSED INDUSTRIAL PROJECT APEX FLEET SERVICES WADE STREET PARKHURST			OVERALL SITE PLAN		DRAWN : N.T.L. CHKD : R.Q. SCALE : As indicated DATE :	PROJECT No. 2301 SHEET No. 01															
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>DRAFT AMENDMENTS</td> <td>12/06/24</td> </tr> <tr> <td>D</td> <td>MCU REVISION</td> <td>24/04/24</td> </tr> <tr> <td>C</td> <td>GENERAL REVISION</td> <td>08/11/23</td> </tr> <tr> <td>B</td> <td>PRELIMINARY LAYOUT</td> <td>30/08/23</td> </tr> <tr> <td>A</td> <td>PRELIMINARY LAYOUT</td> <td>10/08/23</td> </tr> </tbody> </table>	REV	DESCRIPTION	DATE	E	DRAFT AMENDMENTS	12/06/24	D	MCU REVISION	24/04/24	C	GENERAL REVISION	08/11/23	B	PRELIMINARY LAYOUT	30/08/23	A	PRELIMINARY LAYOUT	10/08/23	PH: 49 364 371 Copyright © <small>This plan or any portion thereof may not be reproduced without the express written permission of QFlair Pty Ltd QBCC 1131420</small>	PLAN SIZE: A2	PRINT DATE : 12/06/2024 10:32:59 AM
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D	MCU REVISION	24/04/24																			
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WADE STREET

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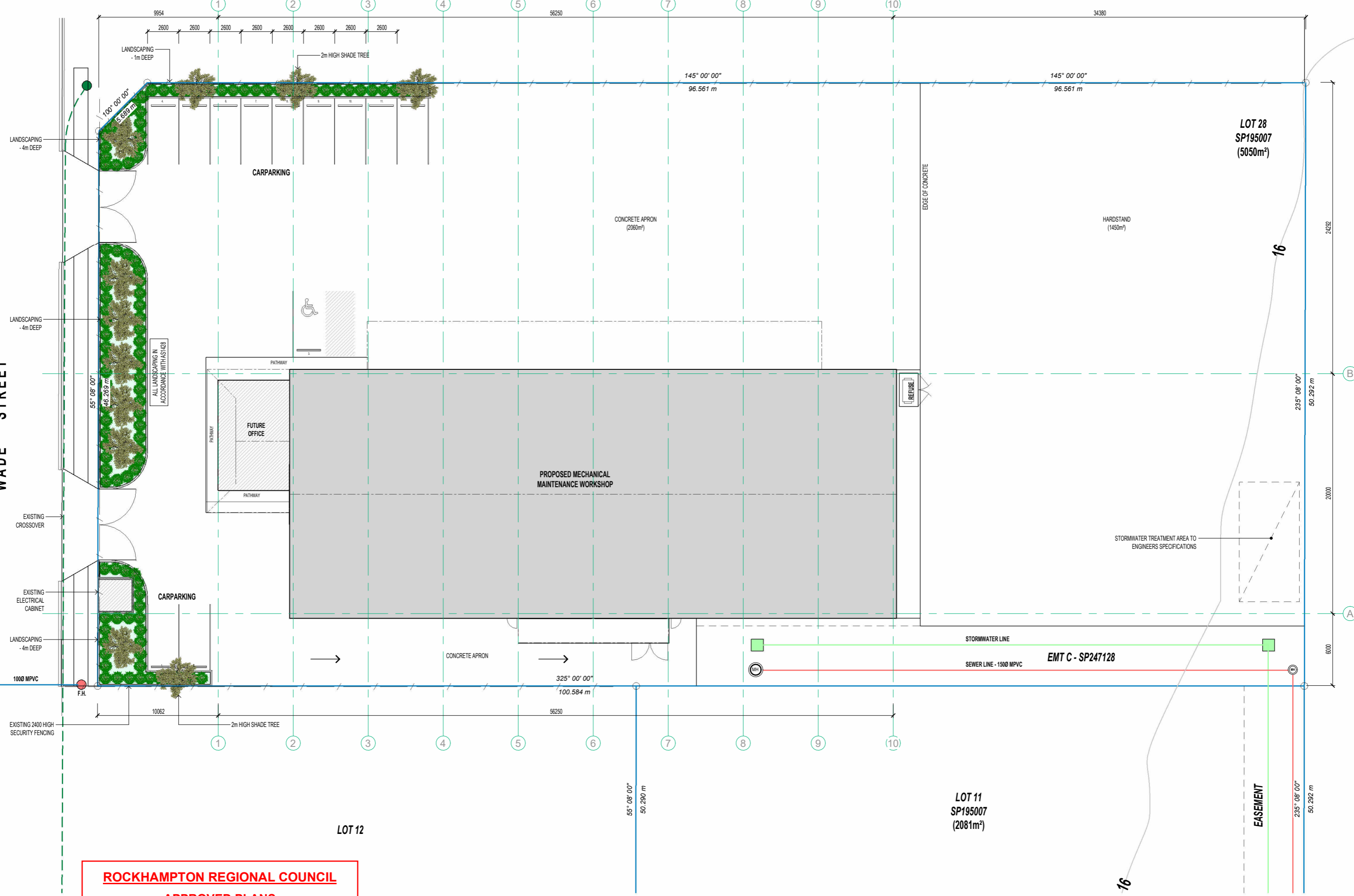
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D	MCU REVISION	24/04/24
C	GENERAL REVISION	08/11/23
B	PRELIMINARY LAYOUT	30/08/23
A	PRELIMINARY LAYOUT	10/08/23

PROPOSED INDUSTRIAL PROJECT
APEX FLEET SERVICES
WADE STREET
PARKHURST

SITE PLAN
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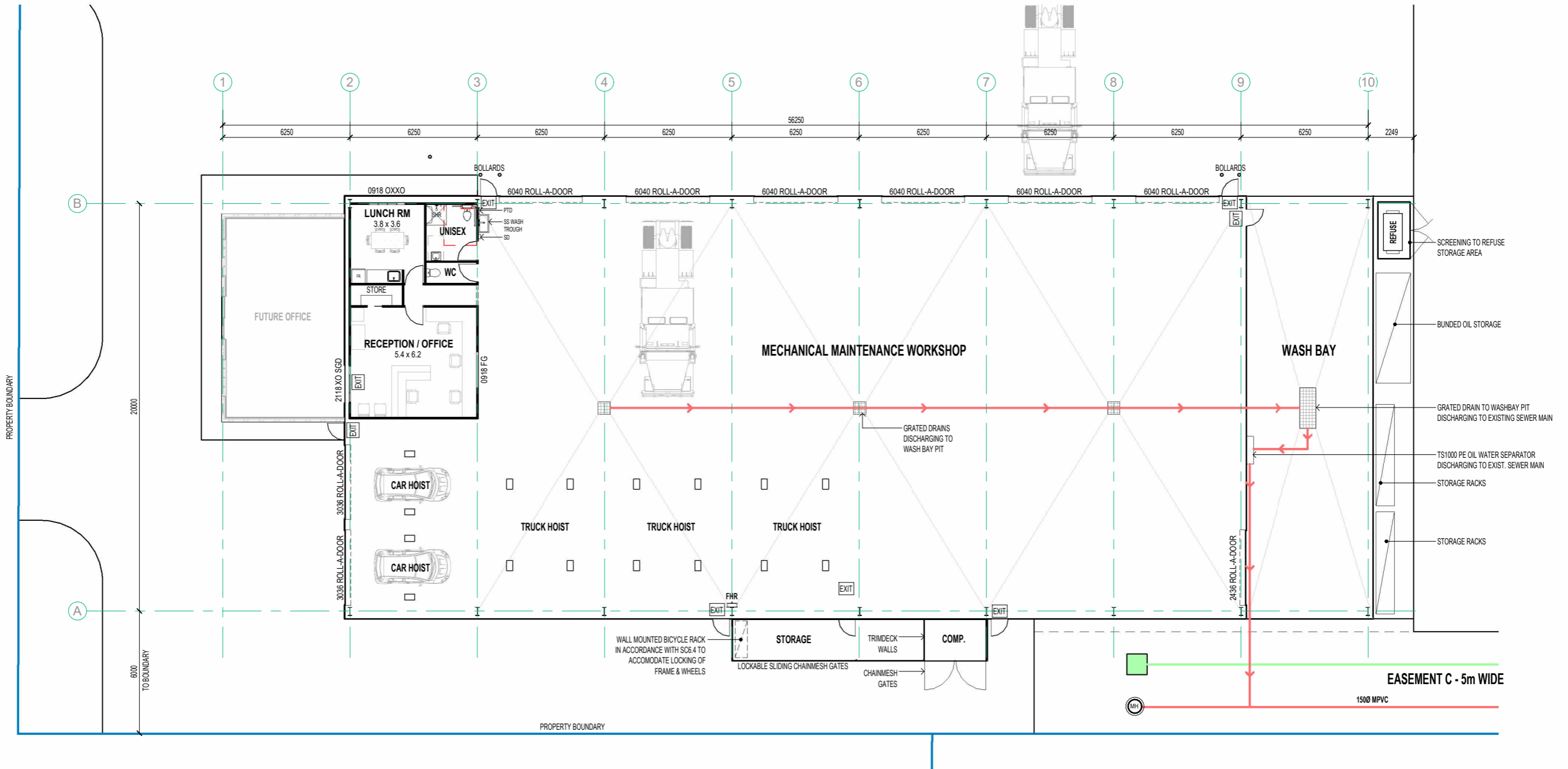
DRAWN :	N.T.L.	 PROJECT No. 2301
CHKD :	R.Q.	
SCALE :	1 : 200	PLAN SIZE: A2 SHEET No. 02
DATE :		

WADE STREET



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		PROPOSED INDUSTRIAL PROJECT		LANDSCAPING PLAN		DRAWN : N.T.L.		PROJECT No.	
		APEX FLEET SERVICES				CHKD : R.Q.		2301	
		WADE STREET		Copyright ©		SCALE : 1 : 200		PLAN SIZE: A2	
		PARKHURST		<small>This plan or any portion thereof may not be reproduced without the express written permission of QFlair Pty Ltd QBCC 1131420</small>		DATE :		SHEET No. 03	
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E	DRAFT AMENDMENTS	12/06/24							
D	MCU REVISION	24/04/24							



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FLOOR AREAS	
FUTURE OFFICE	61.1 m ²
OFFICE	71.6 m ²
WASH BAY	129.9 m ²
WORKSHOP & OFFICE	849.2 m ²
GRAND TOTAL	1111.9 m²

REV	DESCRIPTION	DATE
E	DRAFT AMENDMENTS	12/06/24
D	MCU REVISION	24/04/24
C	GENERAL REVISION	08/11/23
B	PRELIMINARY LAYOUT	30/08/23
A	PRELIMINARY LAYOUT	10/08/23

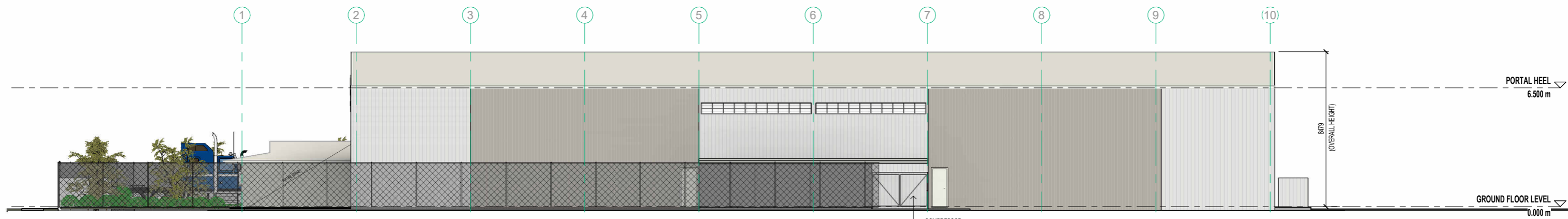
PROPOSED INDUSTRIAL PROJECT
APEX FLEET SERVICES
WADE STREET
PARKHURST

FLOOR PLAN

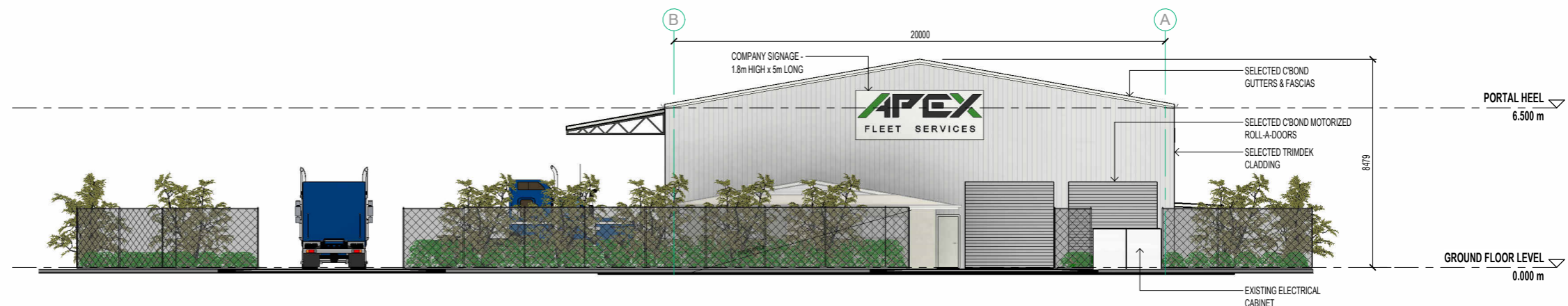
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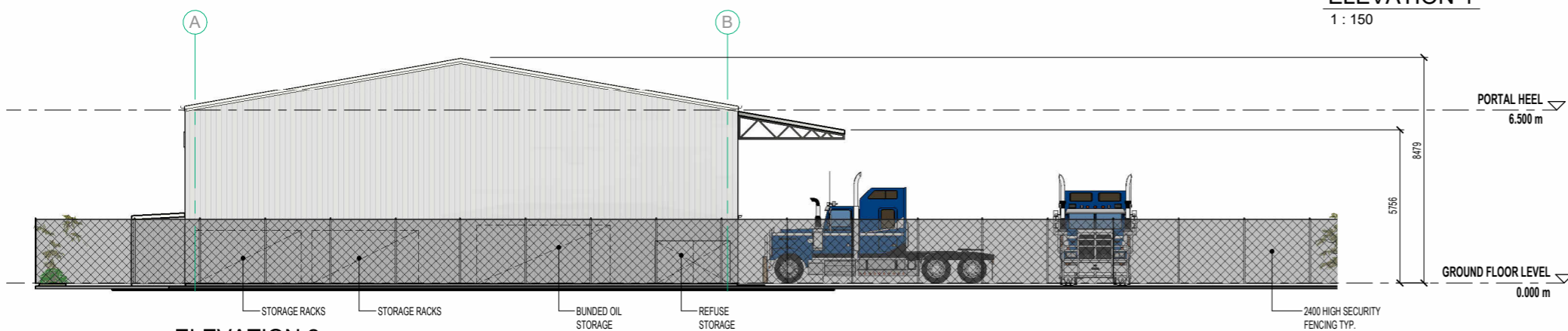
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CHKD :	R.Q.	
SCALE :	1 : 150	SHEET No. 04
DATE :		
PLAN SIZE:	A2	



ELEVATION 1
1 : 150

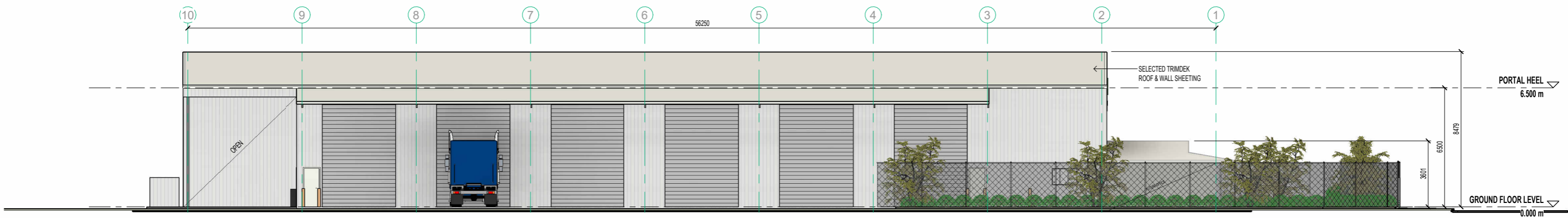


ELEVATION 4
1 : 150



ELEVATION 2
1 : 150

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ELEVATION 3
1 : 150

			PROPOSED INDUSTRIAL PROJECT		ELEVATIONS		DRAWN : N.T.L.		PROJECT No.		
			APEX FLEET SERVICES				CHKD : R.Q.		2301		
			WADE STREET		PH: 49 364 371		SCALE : 1 : 150		PLAN SIZE: A2		
			PARKHURST		Copyright ©		DATE :		SHEET No.		
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REV	DESCRIPTION	DATE									
E	DRAFT AMENDMENTS	12/06/24									
D	MCU REVISION	24/04/24									
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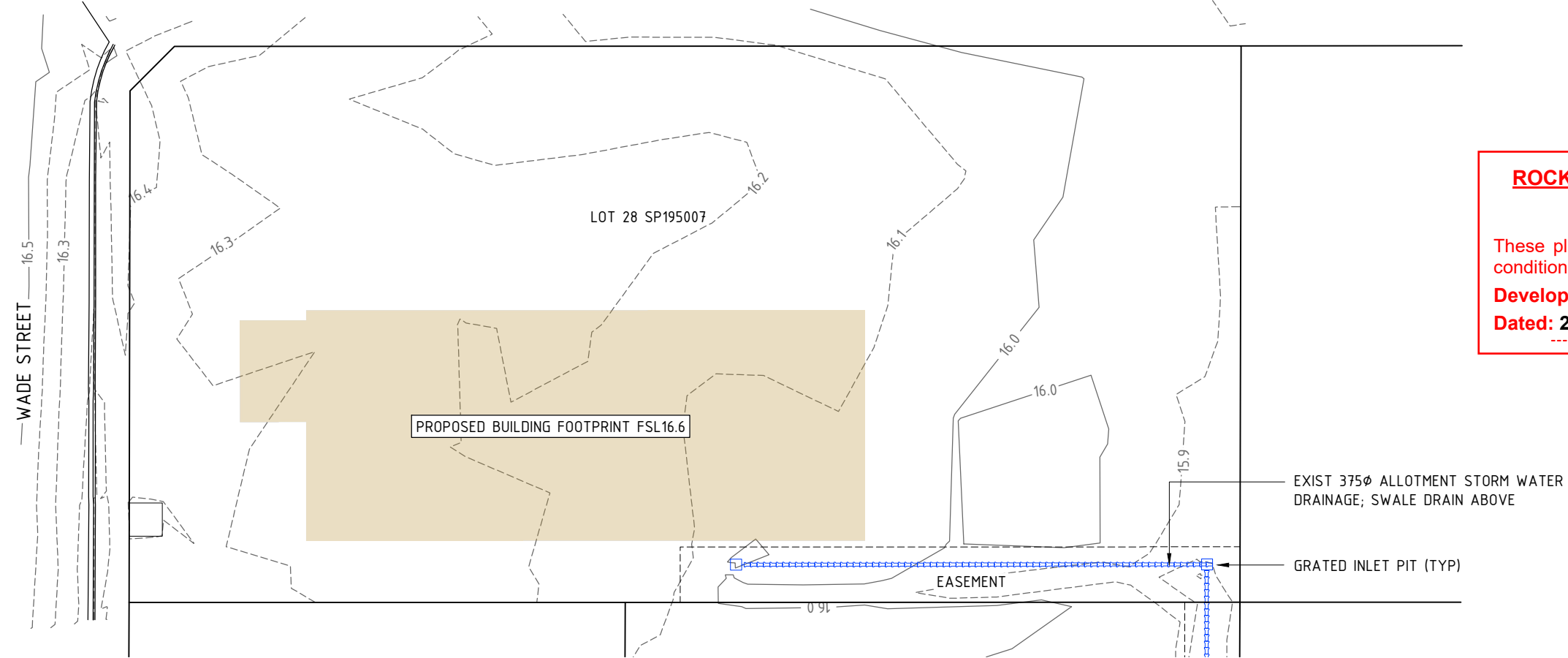
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			APEX FLEET SERVICES				CHKD : R.Q.		2301	
			WADE STREET		PH: 49 364 371		SCALE :		PLAN SIZE: A2	
			PARKHURST		Copyright ©		DATE :		SHEET No. 06	
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REV	DESCRIPTION	DATE								
E	DRAFT AMENDMENTS	12/06/24								
D	MCU REVISION	24/04/24								
C	GENERAL REVISION	08/11/23								
B	PRELIMINARY LAYOUT	30/08/23								
A	PRELIMINARY LAYOUT	10/08/23								

1. G24-02-01-CIV1 (SITE PLAN).DWG LAST MODIFIED 15/APRIL/2024

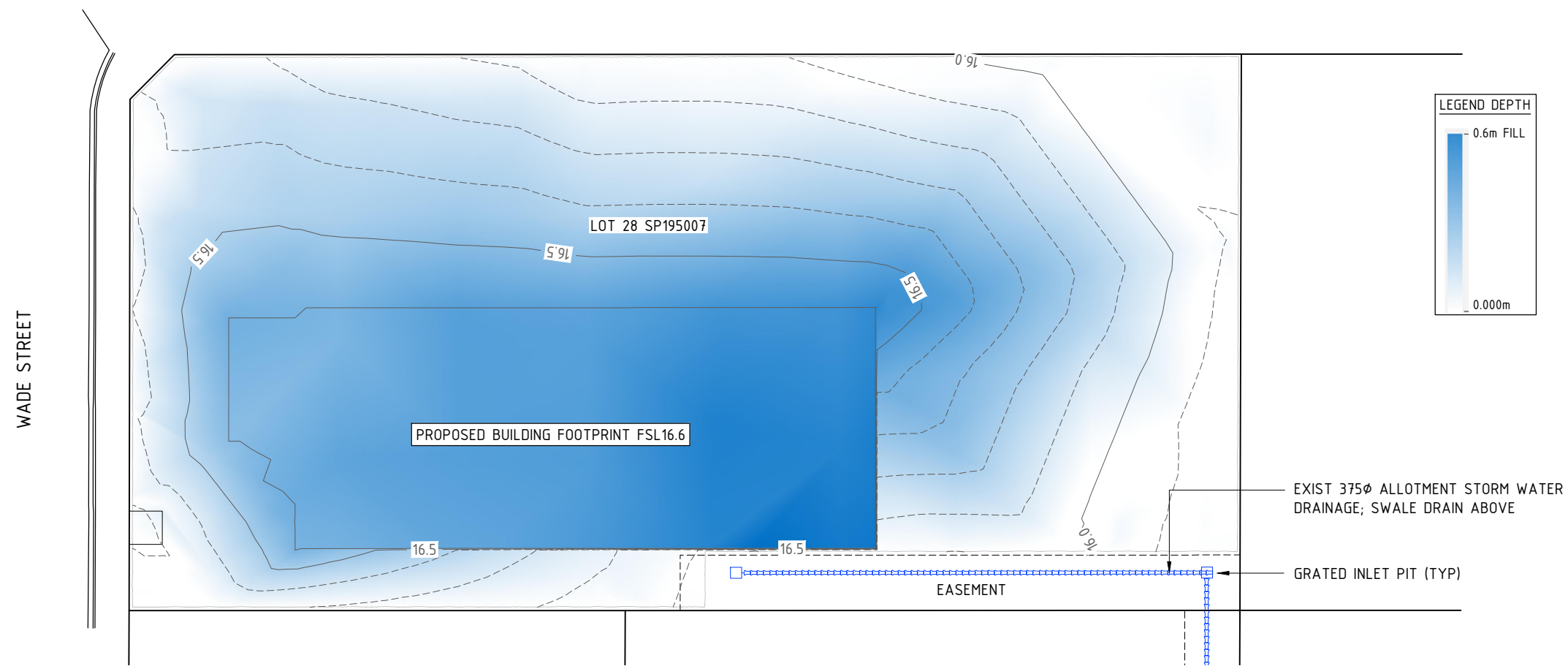
NOTE
THE DETAILS SHOWN ON THIS PLAN ARE PRELIMINARY & SUBJECT TO DETAIL DESIGN.

CSG 
capricorn survey group (cq)
132 victoria parade, rockhampton
ph: 0749275199
email: reception@csgcq.com.au
DATUM MGA2020 ZONE 56;
HXGN SMARTNET
CONTOURS 0.1m

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EXISTING SITE TERRAIN DETAILS




INDICATIVE SITE BULK EATHWORKS PROFILE



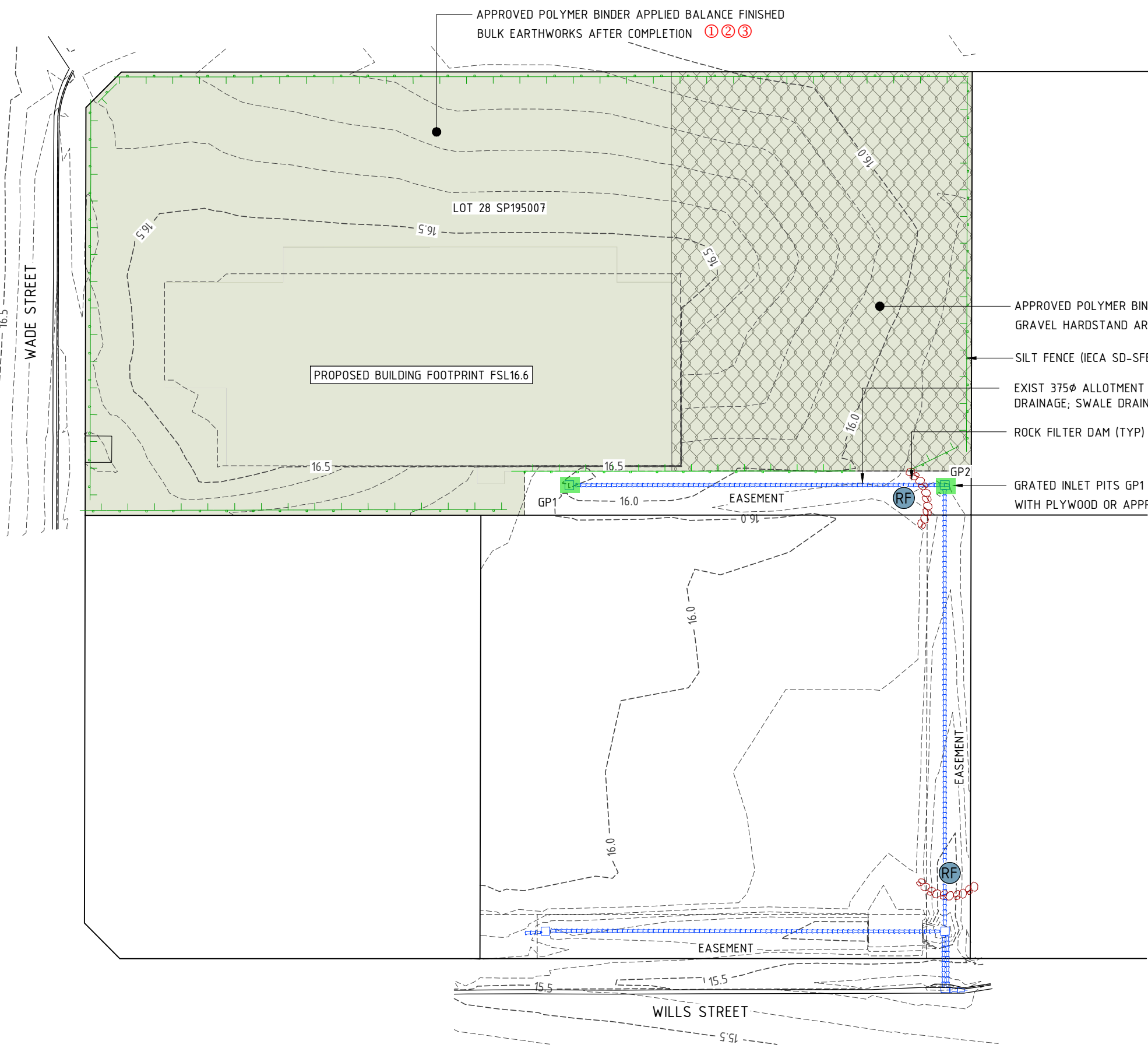
REDRIDGE ENGINEERING GROUP

PROPERTY DESCRIPTION:
LOT LOT 28 SP195007
COUNCIL REFERENCE:
D/185-2023

DRAWN	ASC	DATE	04/24
DESIGN	ASC	DATE	04/24
 Capricorn Survey Group Pty Ltd			
ACN 054 355 252 PH: 0417726918 email: adslu3d8@tpg.com.au			
RPEQ 4321 AUTHORISED FOR ISSUE		DATE 15/04/2024	
REDRIDGE ENGINEERING GROUP			
APEX FLEET SERVICES INDUSTRIAL PROJECT WADE ST INFORMATION REQUEST RESPONSE SITE BULK EARTHWORKS			
FILE NO	G2402-01-CIV1.DWG		
JOB NO	G2402/1		
SCALE	0 1500 HORZ. 10 AT		A3 SIZE
DRAWING NUMBER	ISSUE	SHEET NO.	
2402-CIV1	3	1	



2. G2402-01-CIV2 (ESC)DWG LAST MODIFIED 14/April/2024



- APPROVED POLYMER BINDER APPLIED TO COMPACTED GRAVEL HARDSTAND AREA AFTER COMPLETION ①②③
- SILT FENCE (IECA SD-SFB-1) ①②
- EXIST 375Ø ALLOTMENT STORM WATER DRAINAGE; SWALE DRAIN ABOVE
- ROCK FILTER DAM (TYP) (IECA S-RFB-1) ①②
- GRADED INLET PITS GP1 & GP2; COVER INLET GRATES WITH PLYWOOD OR APPROVED EQUIVALENT ①②

ROCKHAMPTON REGIONAL COUNCIL

APPROVED PLANS

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Development Permit No.: D/185-2023

Dated: 21 June 2024



REDRIDGE ENGINEERING GROUP

PROPERTY DESCRIPTION:
 LOT LOT 28 SP195007
 COUNCIL REFERENCE:
 D/185-2023

- SEQUENCING**
- ① PRIOR TO COMMENCEMENT OF EARTHWORKS
 - ② DURING & AFTER COMPLETION OF EARTHWORKS & FOR DURATION OF CONSTRUCTION PERIOD
 - ③ AFTER COMPLETION OF CONSTRUCTION & FOR DURATION OF MAINTENANCE PERIOD

EROSION & SEDIMENT CONTROL MANAGEMENT - CONCEPT

SITE CHARACTERISTICS

TOTAL DISTURBED AREA: 0.5HA
 DURATION OF DISTURBANCE: MAX 5 DAYS. FILLING ONLY.
 ESTIMATED SOIL LOSS (t/ha/yr): 30 (IECA GUIDELINES)
 SOIL LOSS CLASS: 1; LOW RISK (IECA GUIDELINES)
 SEDIMENT BASIN REQUIRED: NO (IECA GUIDELINES)

NOTES

- THE DETAILS SHOWN ON THIS PLAN ARE PRELIMINARY & SUBJECT TO DETAIL DESIGN.
- ALL ESC DEVICES TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH IECA AUSTRALASIA BEST PRACTICE EROSION & SEDIMENT CONTROL MANUALS, IN PARTICULAR BOOKS 4 & 6.2.

DRAWN	ASC	DATE	04/24
DESIGN	ASC	DATE	04/24
 © Capricorn Survey Group Pty Ltd ACN 054 355 252 PH: 0417726918 email: adslu3d8@tpg.com.au			
RPEQ 4321 AUTHORISED FOR ISSUE		DATE 15/04/2024	
REDRIDGE ENGINEERING GROUP APEX FLEET SERVICES INDUSTRIAL PROJECT WADE ST INFORMATION REQUEST RESPONSE CONSTRUCTION EROSION & & SEDIMENT CONTROL CONCEPT			
FILE NO: G2402-01-CIV2.DWG			
JOB NO: G2402/1			
SCALE		1:500 HORZ. 10 ^{AT} A3 SIZE	
DRAWING NUMBER	ISSUE	SHEET NO.	
2402-CIV2	2	2	

LEGEND	
	ROOF AREA (IMPERVIOUS)
	SEALED CARPARK AREA (IMPERVIOUS)
	UNSEALED HARDSTAND (PERVIOUS)

NOTES GENERAL

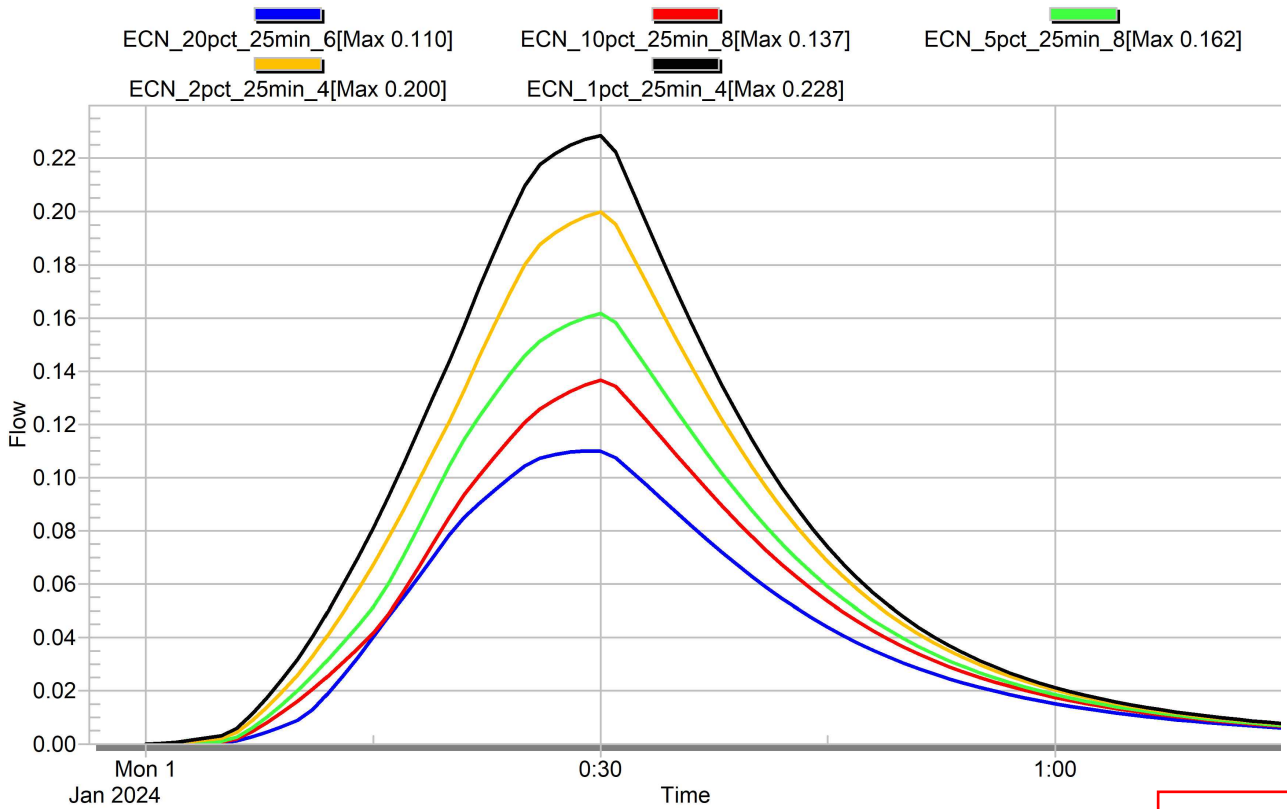
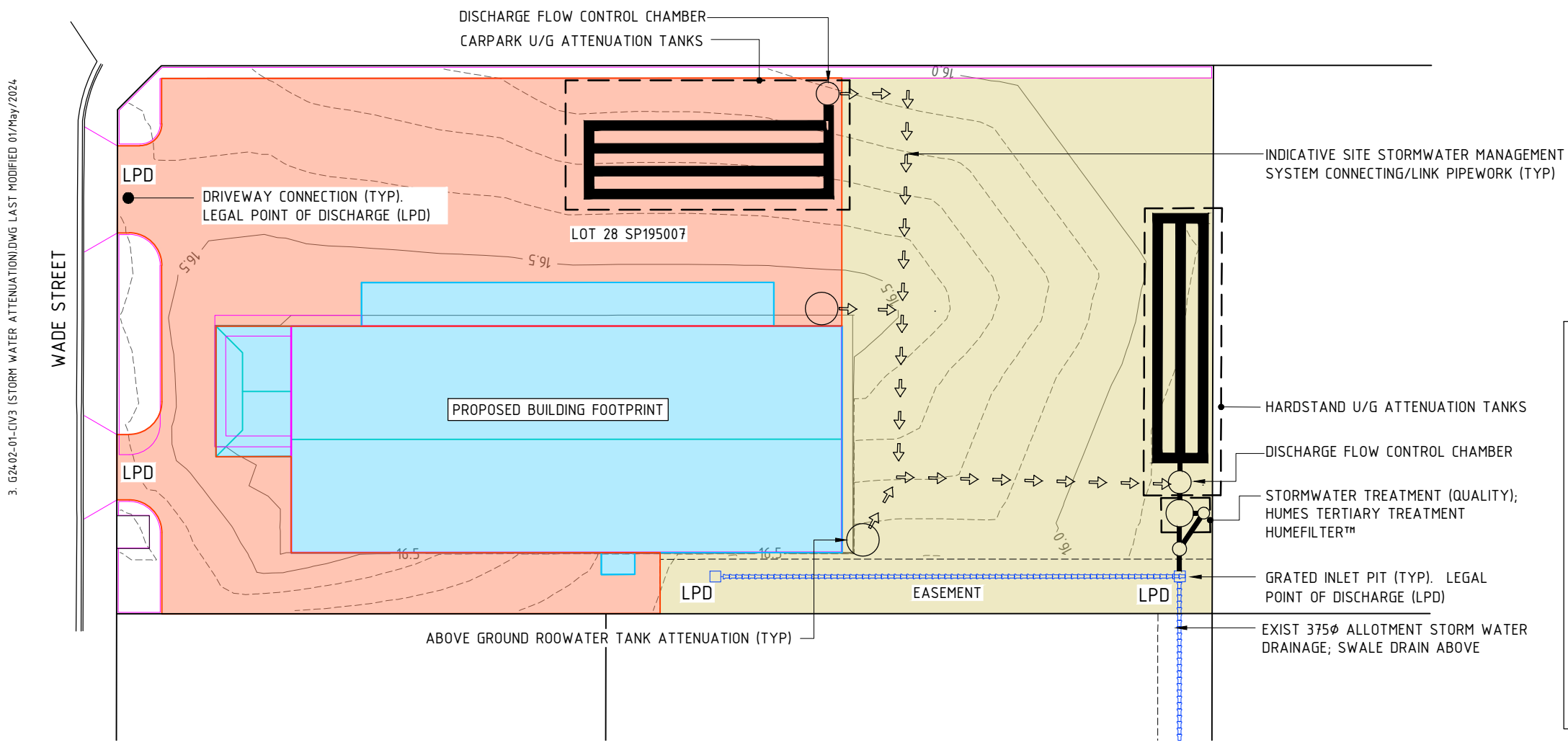
- THE DETAILS SHOWN ON THIS PLAN ARE PRELIMINARY & SUBJECT TO DETAIL DESIGN.
- ALL SITE STORMWATER TO BE COLLECTED IN U/G PIPE & SURFACE DRAINAGE SYSTEMS & DIRECTED TO LEGAL POINTS OF DISCHARGE (LPD) VIA STORM WATER MANAGEMENT SYSTEMS (QUANTITY & QUALITY).
- INTERNAL U/G PIPE & SURFACE DRAINAGE SYSTEMS NOT SHOWN & SUBJECT TO DETAIL DESIGN.

NOTES STORM WATER FLOW MODELLING

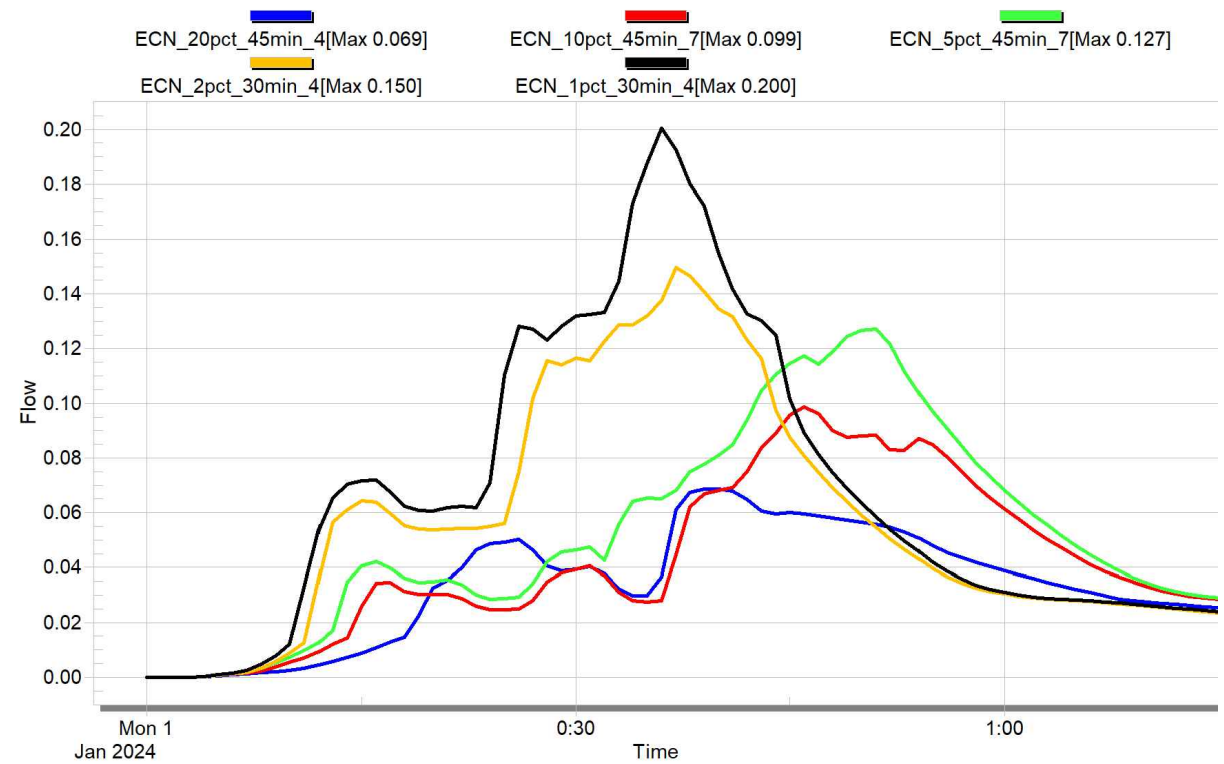
1D HYDRAULIC MODELING AS PER CURRENT AR&R 2019; AR&R RAINFALL 2016 IFD DATA & TEMPORAL PATTERNS; XPSTORM COMPUTER PACKAGE

- LAURENSEN ROUTING METHOD
- LAND USAGE INDUSTRIAL.
- LOSS MODELS - UNIFORM LOSS & SEPARATE IMPERVIOUS AND PERVIOUS AREAS. PERVIOUS AREAS INITIAL LOSS 0mm, CONTINUING LOSS 2.5mm/hr; IMPERVIOUS AREA INITIAL & CONTINUING LOSS 0mm.

FOR THE NOMINATED AEP A RANGE OF STORM DURATIONS HAVE BEEN SELECTED FOR ANALYSIS, EACH STORM COMPRISING AN ASSEMBLY OF 10 DIFFERENT PATTERNS. THE PEAK FLOW FOR EACH ENSEMBLE HAS BEEN STATISTICALLY ANALYSED AND THE WORST CASE PEAK MEDIAN FLOW HAS BEEN ADOPTED AS THE DESIGN STORM/FLOW.



DESIGN PEAK FLOWS AT LPD - PRE DEVELOPMENT



DESIGN PEAK FLOWS AT LPD - POST DEVELOPMENT WITH ATTENUATION

LEGEND DESIGN STORMS:

ENSEMBLE NAME (ECN) - NAME ASSIGNED TO A GROUP OF 10 ARR2016 STORM PATTERNS ADOPTED FOR ANALYSIS FOR EACH NOMINATED AEP AND STORM DURATION.

AEP - ANNUAL EXCEEDANCE PROBABILITY AS DEFINED IN ARR2016.

20pct_25min_6(Max 0.11) - "20% AEP_25 MIN STORM DURATION_ PATTERN NUMBER 6(PEAK FLOW m³/s)"

THE WORS MEDIAN STORM AND PATTERN IS ADOPTED FOR THE DESIGN STORM

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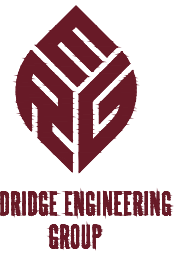
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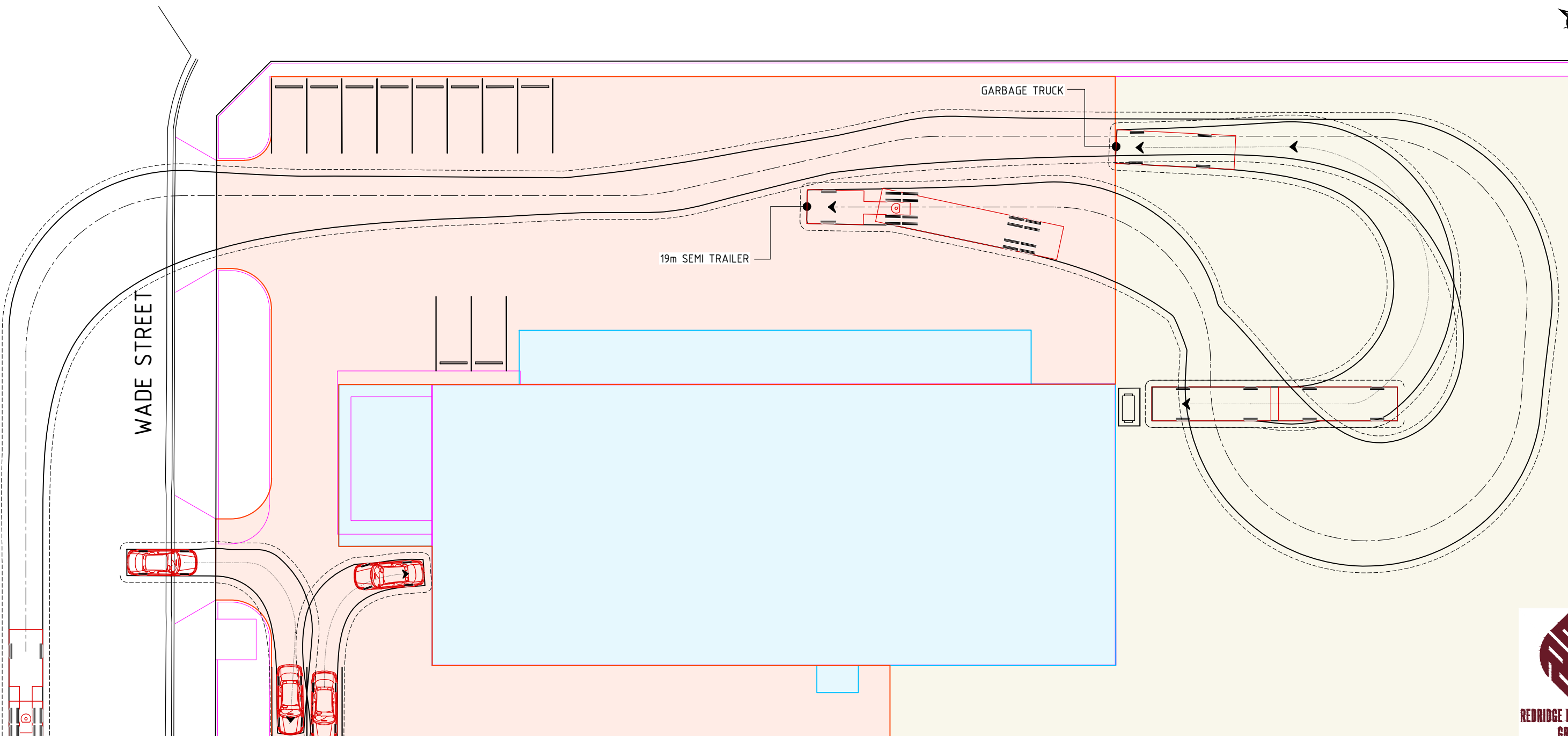
Dated: 21 June 2024

PROPERTY DESCRIPTION:
 LOT LOT 28 SP195007
 COUNCIL REFERENCE:
 D/185-2023



DRAWN	ASC	DATE	04/24
DESIGN	ASC	DATE	04/24
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RPEQ 4321	AUTHORISED FOR ISSUE		DATE 15/04/2024
REDRIDGE ENGINEERING GROUP APEX FLEET SERVICES INDUSTRIAL PROJECT WADE ST INFORMATION REQUEST RESPONSE STORM WATER PEAK FLOW ATTENUATION			
FILE NO	G2402-01-CIV3.DWG		
JOB NO	G2402/1		
SCALE	0 1500 HORZ. 10 A1 A3 SIZE		
DRAWING NUMBER	2402-CIV3	ISSUE	SHEET NO. 4 3

3. G2402-01-CIV3 (STORM WATER ATTENUATION).DWG LAST MODIFIED 07/May/2024



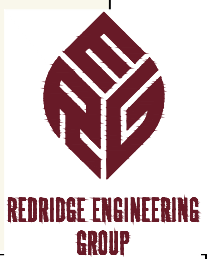
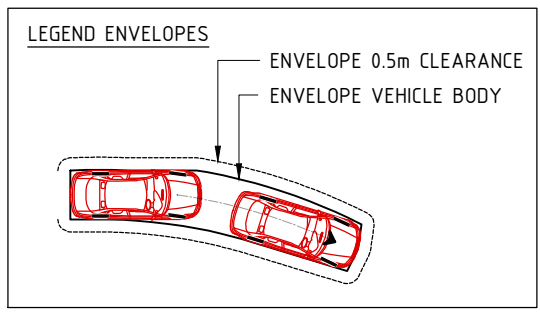
WADE STREET

GARBAGE TRUCK

19m SEMI TRAILER

CAR (TYP)

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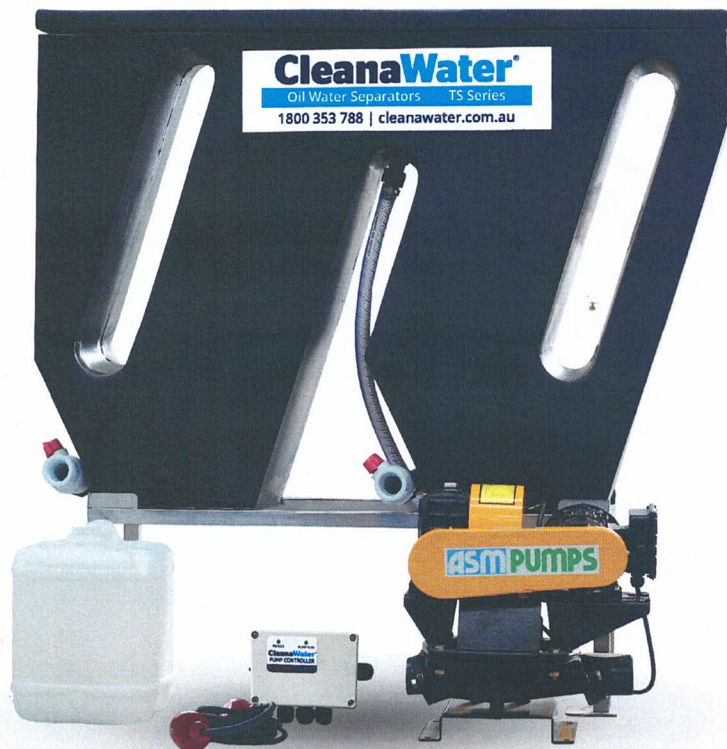
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DESIGN	ASC	DATE	04/24
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RPEQ 4321		DATE 15/04/2024	
REDRIDGE ENGINEERING GROUP APEX FLEET SERVICES INDUSTRIAL PROJECT WADE ST INFORMATION REQUEST RESPONSE VEHICLE TURNING PATHS			
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JOB NO	G2402/1		
SCALE	NOT TO SCALE	AT	A3 SIZE
DRAWING NUMBER	ISSUE	SHEET NO	
2402-CIV4	3	4	

PROPERTY DESCRIPTION:
 LOT LOT 28 SP195007
 COUNCIL REFERENCE:
 D/185-2023

CleanaWater®

Industrial Water Treatment and Recycling Specialists

TS1000 PE Oil Water Separator



ROCKHAMPTON REGIONAL COUNCIL

APPROVED PLANS

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Dated: 21 June 2024

 1800 353 788

www.cleanawater.com.au



bulbeckgroup

Why are they used?

CleanaWater's TS series oil water separator packages are installed to remove oils, grease and free hydrocarbons from waste water. They are a standard, low cost, pre-treatment system for industrial applications commonly used in Australasia.



Features

- Small footprint - install to tight spaces
- Available with a selection of upgrades to suit site specific requirements
- Utilises MPK coalescing media technology which is less prone to premature blockage
- No filter bag consumables required
- Removes hydrocarbons to 30ppm to exceed water authority regulations
- Commonly used as primary treatment for water recycling

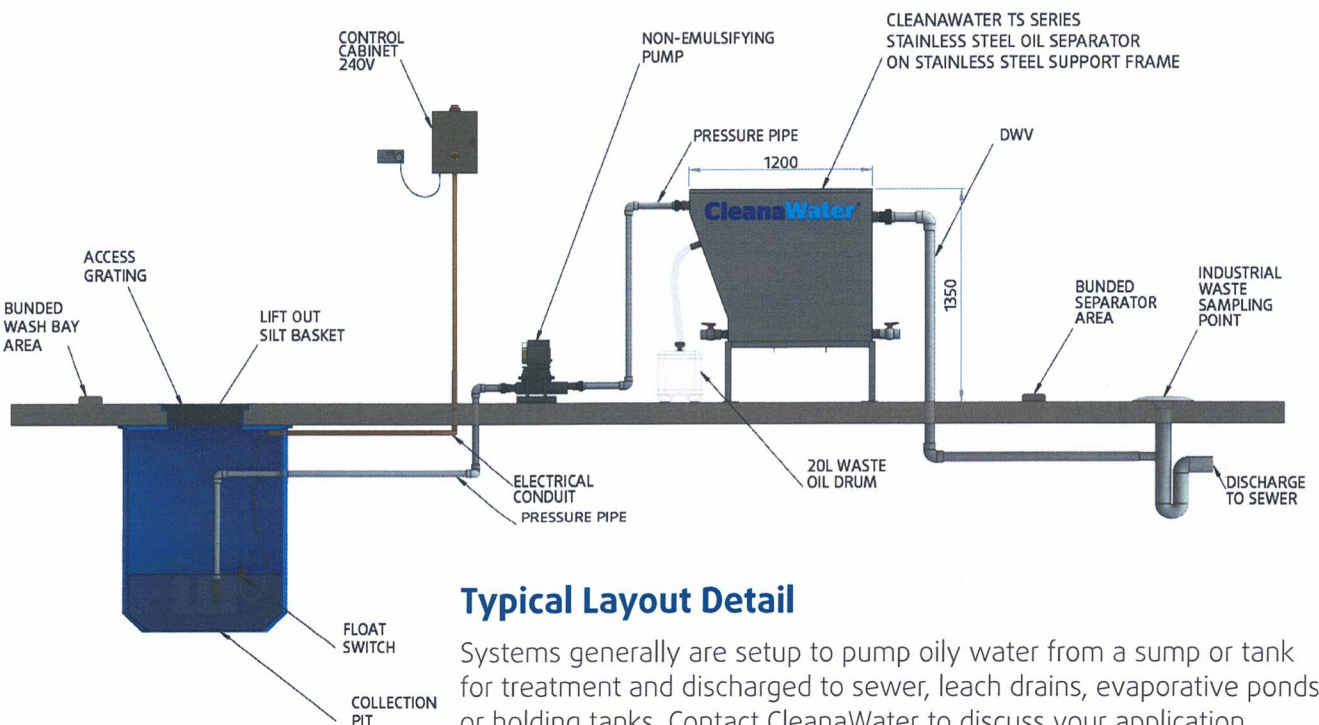
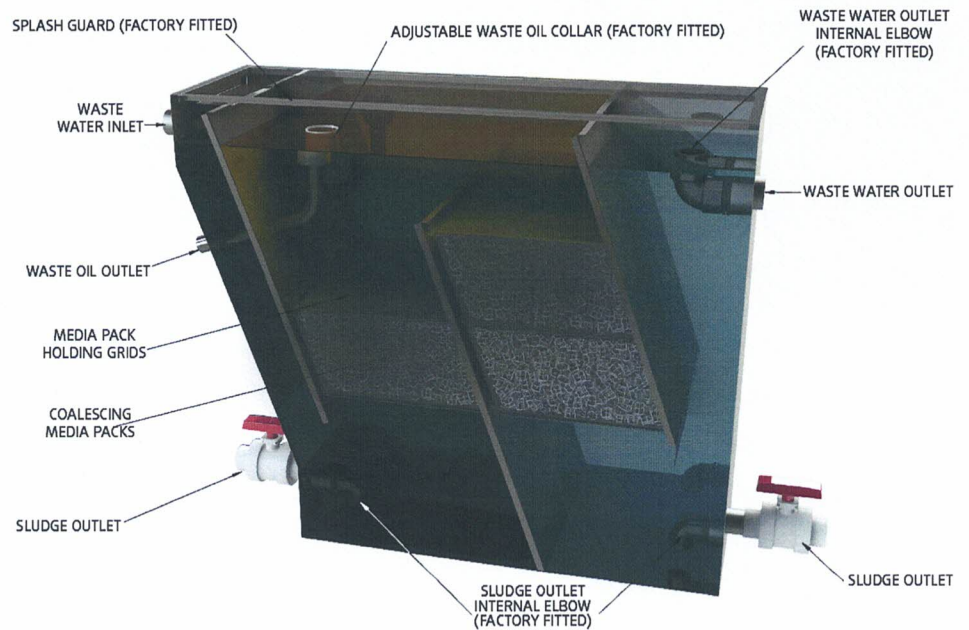
Benefits

- Approved and appraised by all major metropolitan and regional authorities
- Turn key packages - easy and quick to install
- Avoid costly fines from authorities
- Avoid compromising the daily operations of your business
- Weatherproof for outdoor installation
- Automated operation and no consumables required
- Average working life of 20+ years

TS1000 PE Oil Water Separator

How do they work?

Coalescing media packs are positioned in two stages to force free oil droplets to collide with the surface of the media. Upon impact the droplets rise to the surface and are skimmed off into a waste oil container.



Typical Layout Detail

Systems generally are setup to pump oily water from a sump or tank for treatment and discharged to sewer, leach drains, evaporative ponds or holding tanks. Contact CleanaWater to discuss your application.

Common Applications

- Wash Down Bays
- Small to Large Industrial & Mechanical Workshops
- Mining Workshops
- Mining LV/HV Wash Down Bays
- Refuelling Areas
- Construction Sites
- Transformer Bunds
- Commercial Car Washes
- Vehicle & Equipment Wash Down Bays
- Truck & Heavy Vehicle Bays
- Service Stations
- AQIS Wash Down Facilities
- Hire Equipment Branches
- Food and Beverage Plants

Standard Inclusions List

Item	Standard
CleanaWater Oil Water Separator	✓
Non-Emulsifying Pump	✓
Float Switch	✓
Control Panel 240V	✓
Stainless Steel Support Frame	✓
20 Litre Waste Oil Drum	✓



*Additional accessories available to suit your specific application. Contact CleanaWater to discuss your requirements on 1800 353 788.



Specifications

Model	TS1000 PE
System Info	
Dimensions	1349mm long x 360mm wide x 981mm high
Nominal Litres per Hour	1,000 Litres per hour
Maximum Litres per Hour	3,000 Litres per hour
Material	
Construction	Polyethylene
Shipping Weight/ Operating Weight	30kg / 380kg
Pump Model	Diaphragm
Power	
Power Requirement	240V 10 amp
Power Usage	0.37kW
Performance	
Typical TPH Influent	< 5000-6000ppm*
Typical TPH Discharge (treated)	< 30ppm*

* TPH, oil and grease results are typical and based on free hydrocarbons only, emulsified hydrocarbons may affect discharge results and additional filtration may be required.