

Our Reference: C5211

7 July 2022

Ipswich City Council
1 Nicholas Street
PO Box 191
Ipswich QLD 4305

**PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL**

Approval no: DEV2023/1418

Date: 31 August 2023



Attention: Michael Simmons

**7001 Grampian Drive, Deebing Heights
MEDQ Delegate Further Information Request (FIR) – 17522/2021/PDA**

Dear Michael,

The following letter has been prepared in response to the further information request from Ipswich City Council (17522/2021/PDA) dated 26/05/2022.

Feedback and requested additional information:

The submission of the Traffic Assessment report prepared by HTC and dated 17 May 2022 is acknowledged, however the applicant is requested to submit an amended Traffic Assessment report addressing the following:

- (a) The dimensions for the lanes, medians, raised islands and footpaths for the proposed amended road design must be clearly identified on the plan/s.*
- (b) The widening of the right turn lane has reduced the through lane which will impact on traffic movements especially at the bend for refuse vehicles/buses/HRV and AV. It should be noted that AV has been approved for the Shopping Centre (Development Approval 24/2013/PDA) over the close by commercial site. As such, provide turning templates of largest anticipated vehicles along Spring Drive when the right turn lane is completely occupied.*
- (c) The submitted turning templates are confusing as they are overlapping, and it is not clear if it is for B99 or refuse vehicle. As such, turning templates (specifically for refuse vehicles) that are not overlapping must be submitted and the size of the vehicles must be clearly illustrated on the plans.*
- (d) The line marking, refuse islands and kerb lines must be clearly illustrated with respect to turning templates to ensure the paths are contained within the lanes and comply with AS 2890 series. The turning templates must be continuous from the Grampian Drive intersection to ensure they are contained within the lane and not encroaching onto any external structures and cycle lanes.*
- (e) The turning templates must be signed by a RPEQ.*

c5211-220701-let-further issues response



Response

- (a) Please refer to the attached sketch C5211-CR02-REVC and C5211-CR04-REVC indicating the dimension of proposed lanes, medians, raised islands and footpaths.
- (b) Please refer to the attached sketch C5211-CR08-REVA indicating the manoeuvre of an AV whilst the right-hand turn lane is completely occupied. In order to accommodate the movement, the cycle lane has been adjusted to the south. Ensuring that adequate land width results for both the central aisle and the cycle lane the central chevron extent has been reduced. Also attached is original approval 6921/2018/OW showing the previously approved lane width and line marking location and set out. These alterations to the traffic lane to accommodate the movement of the AV would be required irrespective and independent of the proposed new right turn lane within the central median for childcare centre access. That is, the proposed right turn lane does not alter the AV path requirement.
- (c) Within attached sketch C5211-CR09-REVA and C5211-CR10-REVA refuse vehicle and B99 movements are shown.
- (d) Within attached sketch C5211-CR09-REVA and C5211-CR10-REVA refuse vehicle and B99 movements are shown.
- (e) RPEQ certification has been added to each movement shown on the attached sketches.

We trust the information provided within the attached reporting and sketches satisfies the request for further information from Council. Please do not hesitate to contact myself to discuss further.

Yours faithfully,

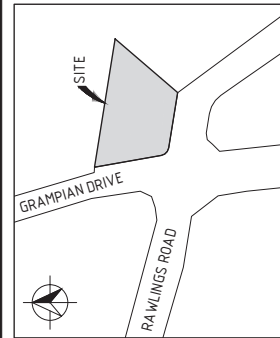
Milanovic Neale Consulting Engineers



Jordan Hughes
Civil Office Manager



RPEQ 15650
Jon Neale
Managing Director



LOCALITY PLAN
SCALE 1:2500

NOT FOR CONSTRUCTION

ROADWORKS NOTES

- 1 ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2 ALL LEVELS ARE TO THE TOP OF KERB AND CHANNEL.
- 3 ROAD WIDTH DIMENSIONS REFER TO NOMINAL KERB LINE.
- 4 CO-ORDINATES FOR KERB/KEB & CHANNEL REFER TO NOMINAL KERB LINE OF CHANNEL RESPECTIVELY.
- 5 EXISTING SURFACE LEVELS ARE BASED ON ALL DIGITISED EARTHWORKS AREAS WITHIN FOOTPATH AREA. EXCESS TOPSOIL SHALL BE DISPOSED OFF-SITE.
- 6 ALL TEMPORARY AND PERMANENT SIGNAGE AND UNIFORMING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARDS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- 7 ALL DIMENSIONS ARE TO BE CHECKED ON-SITE BEFORE WORK COMMENCES.
- 8 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWING.
- 9 DURING CONSTRUCTION BARRIERS, LIGHTS & SIGNS SHALL BE MAINTAINED TO ENSURE SAFE PASSAGE OF TRAFFIC AND PEDESTRIANS.
- 10 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH S.A.A. CODES & BY-LAWS AND DIMENSIONS OF THE RELEVANT LOCAL AUTHORITY AND WORKPLACE HEALTH AND SAFETY REQUIREMENTS.
- 11 THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL ADJACENT PROPERTY OWNERS AND RESIDENTS OF ANY WORKS TO BE UNDERTAKEN AND FOR COMMENCING WORK. FOR LOCATING ALL EXISTING SERVICES AND FOR REPAIR OF ANY SERVICES DAMAGED AS A RESULT OF THE WORKS.
- 12 DAMAGED FOOTPATH AND PRIVATE PROPERTY SHALL BE REPAIRED TO ORIGINAL CONDITION PRIOR TO THE COMMENCEMENT OF WORK.
- 13 CONTRACTOR TO VERIFY ALL INVERT LEVELS, SURFACE LEVELS, COVER OVER DRAINAGE LINES, AND MINIMUM FALLS ARE CORRECT & OBTAINABLE PRIOR TO COMMENCEMENT OF WORK.
- 14 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REQUIREMENTS OF THE ACT AND WORKPLACE HEALTH AND SAFETY ACT 2011. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE ACT AND IN PARTICULAR THE CONTRACTOR IS TO DISOBEY THE REQUIREMENTS OF THE SPECIFICATION PROJECT ARE FULFILLED.
- 15 ALL MANHOLE AND GULLIES DEEPER THAN 200mm SHALL BE FITTED WITH STEP IRONS. REFER TO STANDARD DRAWINGS.
- 16 CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK. THE REQUIREMENTS OF THE ACT AND WORKPLACE HEALTH AND SAFETY ACT 2011. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE ACT AND IN PARTICULAR THE CONTRACTOR IS TO DISOBEY THE REQUIREMENTS OF THE SPECIFICATION PROJECT ARE FULFILLED.

WORKPLACE HEALTH AND SAFETY NOTE

ALL WORKS UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE NEAREST OFFICE OF THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION ON THE ACT AND REGULATIONS.

DIAL BEFORE YOU DIG

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS SUPPLIED. NO POT HOLE HAS BEEN UNDERTAKEN TO VERIFY EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY INFORMATION TO VERIFY THE DESIGN.

EXISTING SERVICES NOTE

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REAL PROPERTY DESCRIPTION
LOT 803 ON RP#

DRAWN	DATE
JH	SEPT 2021
CHECKED	APPROVED
JHU	Stable
DRAWING NO.	REV.
C5211 - CR01	D

ROADWORKS LAYOUT PLAN

144 GRAMPIAN DRIVE, DEEBING HEIGHTS

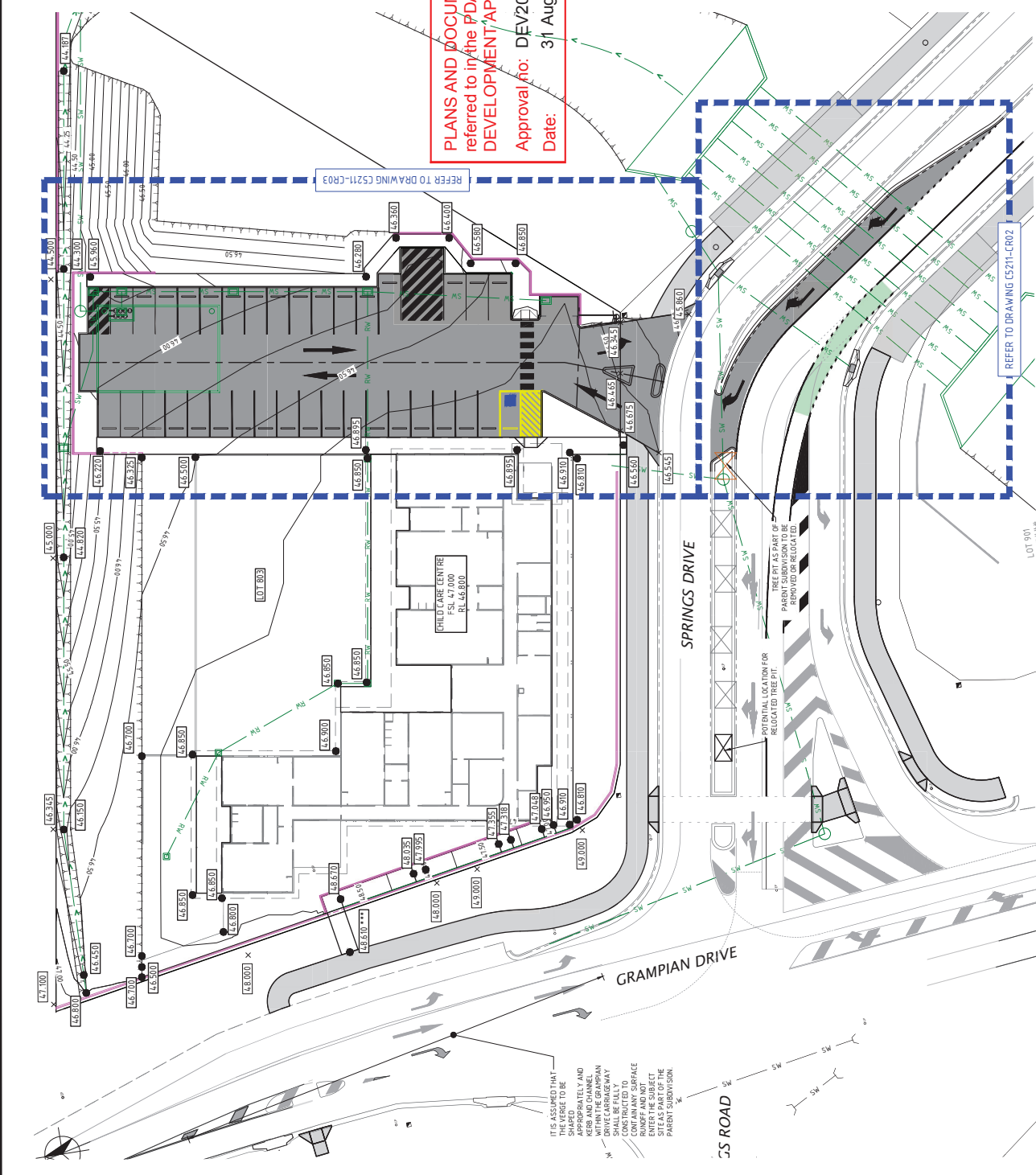
OTIOSUM PTY LTD

CLIENT



CIVIL
STRUCTURAL
TRAFFIC
PROJECT MANAGEMENT
MILANOVC NEALE
CONSULTING ENGINEERS
BRISBANE
PH No. (07) 325 1877 PH No. (07) 328 6663
SYDNEY
PH No. (02) 827 901 PH No. (02) 827 901

REV.	DESCRIPTION	DATE	INT.
A	PRELIMINARY ISSUE	29/09/21	JH
B	REVISED ISSUE	10/05/22	JH
C	REVISED ISSUE	10/05/22	JH
D	REVISED ISSUE	10/05/22	JH



PLAN
SCALE 1:250

SCALE 1:250 (A1) 0 5 10 15m
SCALE BEFORE REDUCTION

SCALE 1:2500 (A1) 0 50 100 150m
SCALE BEFORE REDUCTION

LEGEND

ROPOSED TYPE SMS KERB



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2023/1418
Date: 31 August 2023

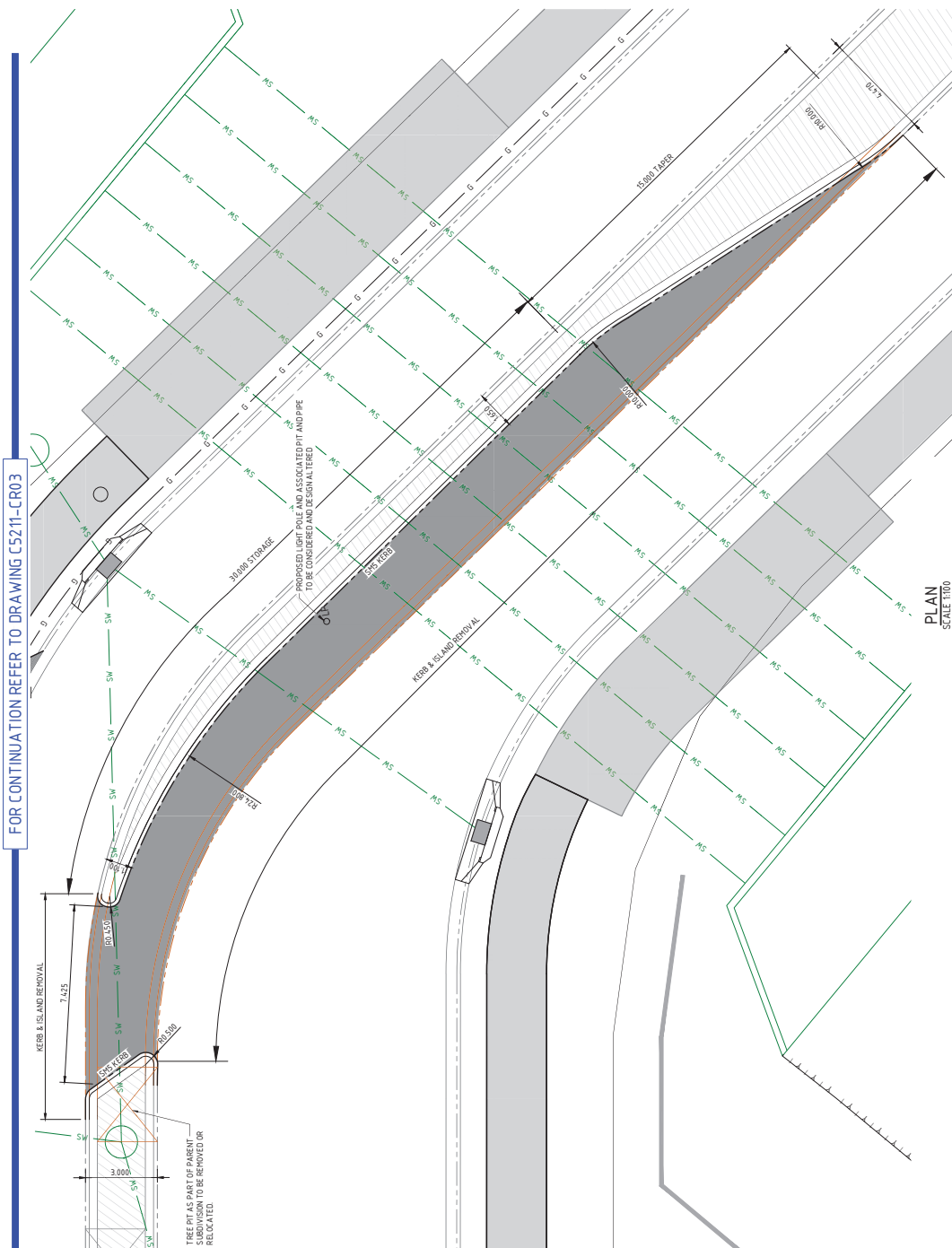
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DIAL BEFORE YOU DIG:

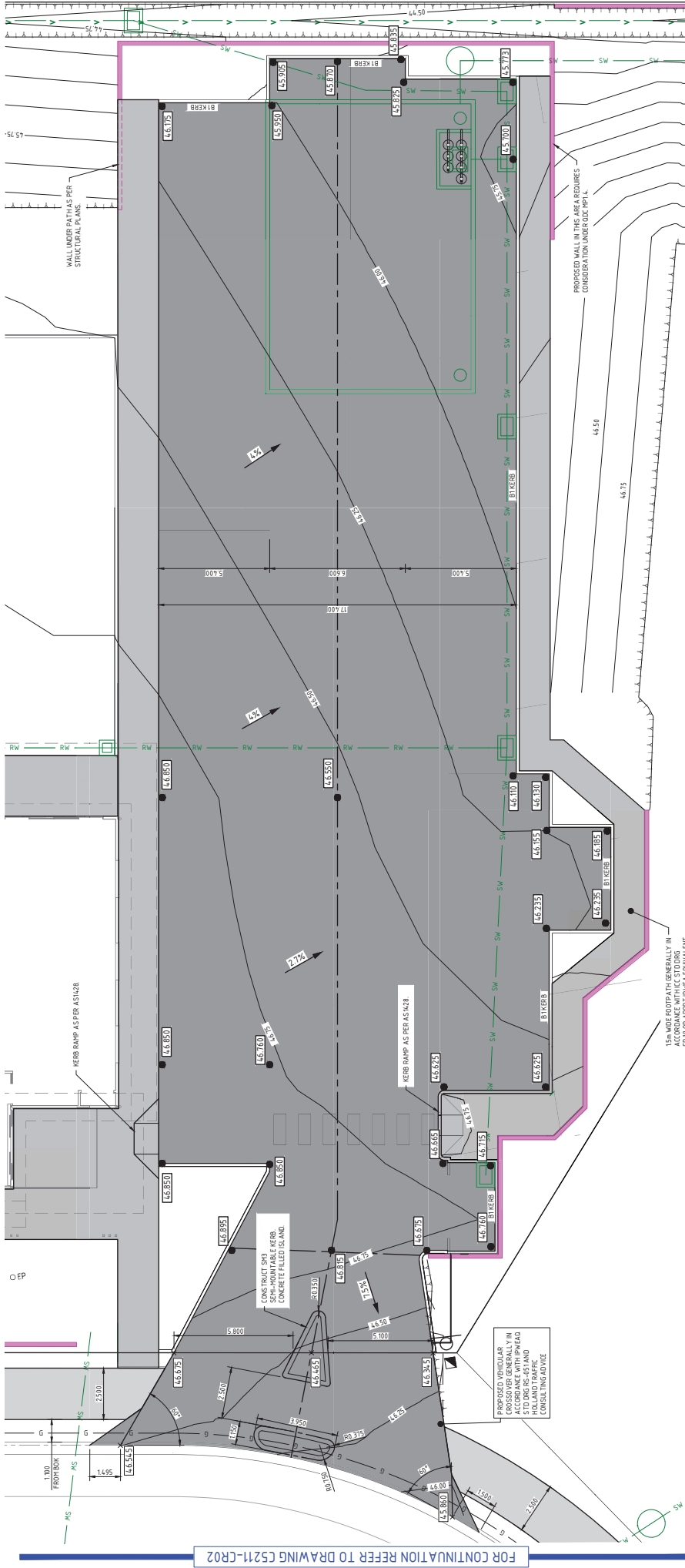
EXISTING SERVICES NOTE:
THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS
CONSTRUCTED INFORMATION OR FIELD SURVEY. IF MADE AVAILABLE TO MAKE A
FIELD SURVEY, THE LOCATION OF UNDERGROUND SERVICES ARE NOTED WITH
THEIR RESPECTIVE CLASS IN ACCORDANCE WITH A343-84-016, THE AUSTRALIAN
STANDARDS FOR CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION (SUI).
FIELD SURVEY HAS BEEN UNDERTAKEN TO VERIFY EXISTING SERVICE LOCATION
AND DEPTH. THE LOCATION OF EXISTING SERVICES ARE NOTED WITH THE
SURVEY AND POT HOLE AS REQUIRED, TO CONFORM THE NATURE AND LOCATION
OF THE SERVICE, AND VERIFY THE DEPTH OF THE DESIGN.

SCALE 1:100 (A1)
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(SCALE BEFORE REDUCTION)

REV	DESCRIPTION	DATE	BY		
		06.03.22	JH		
		12.03.22	SH		
		03.07.22	SH		
MILANOVIC NEALE CONSULTING ENGINEERS					
CIVIL STRUCTURAL PROJECT MANAGEMENT					
BRISBANE SYDNEY PH No. (07) 3235 1877 PH No. (07) 32816493					
GOLD COAST PH No. 1300 827 901					
CONTACT DETAILS E: info@milanovicneale.com.au W: www.mnc.com.au					
JAS-RAZ GSS					
CLIENT		OTIOSUM PTY LTD			
PROJECT		144 GRAMPIAN DRIVE, DEEBING HEIGHTS			
TITLE		EXTERNAL ROADWORKS LAYOUT PLAN			
DRAWING NO.	DATE	DESIGNED	JH		
DRAWING NO.	DATE	CHECKED	JHU		
DRAWING NO.		C5211 - CR02			
REV.		APR 2022			



NOT FOR CONSTRUCTION



LEGEND

- EXTERNAL FOOTPATH AS PART OF PARENT SUB-DIVISION
- PROPOSED INTERNAL FOOTPATH
- PROPOSED PAVEMENT
- PROPOSED DESIGN CONTOURS
- PROPOSED STORMWATER DRAINAGE
- PROPOSED RETAINING WALL
- BY STRUCTURAL CONSULTANT
- EXISTING SURFACE LEVEL
- PROPOSED SURFACE LEVEL
- PROPOSED INTEGRATED BI KERB
- REFER DETAIL ON DRG CS211-CR07

NOTE:
ARCHITECT TO CONSIDER AND SPECIFY BALUSTADING
IN ACCORDANCE WITH THE BUILDING CODES
AND AS/NZS 4586:2018.

WORKPLACE HEALTH AND SAFETY NOTE:
ALL WORKS UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE NEAREST OFFICE OF THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION ON THE ACT AND REGULATIONS. 1300 355 355

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E	REVISED ISSUE	17.07.22	SH
F	REVISED ISSUE	17.07.22	SH
G	REVISED ISSUE	17.07.22	SH
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K	REVISED ISSUE	17.07.22	SH
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Q	REVISED ISSUE	17.07.22	SH
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W	REVISED ISSUE	17.07.22	SH
X	REVISED ISSUE	17.07.22	SH
Y	REVISED ISSUE	17.07.22	SH
Z	REVISED ISSUE	17.07.22	SH

MILANOVC NEALE
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SYDNEY
PH No. (02) 921 9011
GO2 CONSULTING
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CIVIL STRUCTURAL
TRAFFIC
PROJECT MANAGEMENT

COM ACT DETAILS
E: mail@milcne.com.au
W: www.milcne.com.au

JAS ANZ
S&S

OTIOSUM PTY LTD

CLIENT

144 GRAMPIAN DRIVE, DEEBING HEIGHTS

PROJECT

INTERNAL PAVEMENT LAYOUT PLAN

TITLE

DESIGNED SH JH
CHECKED JHU
APPROVED JHU
DATE APR 2022
REV C
DRAWING No C5211 - CR03

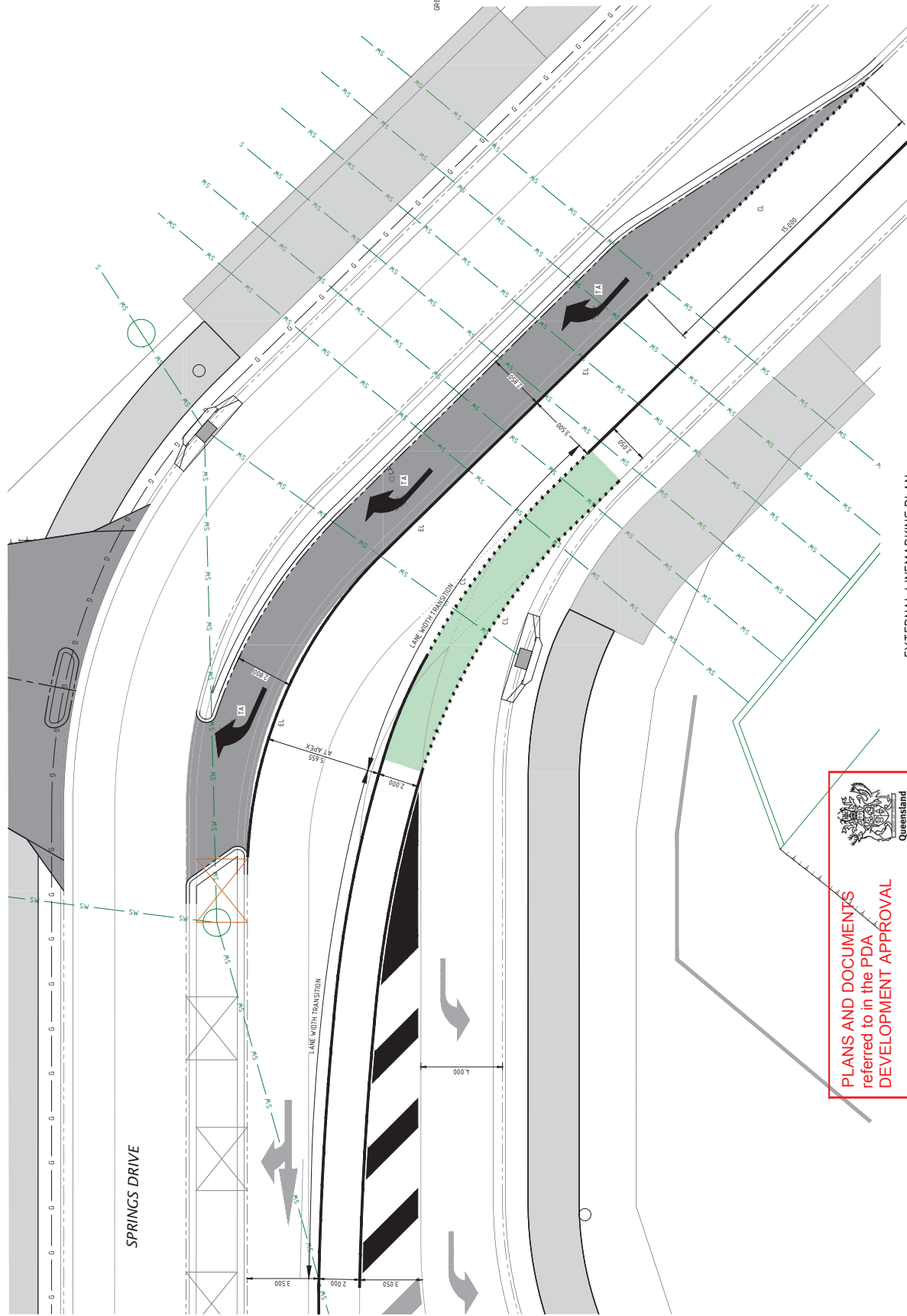
NOT FOR CONSTRUCTION

PAVEMENT MARKING LEGEND

DESCRIPTION	WIDTH	CODE
EDGE LINES	100	EL
CONTINUITY LINES	200	CL
STRAIGHT ARROW	6000mm	SA
TURN ARROW	4000mm	TA
EXISTING LINE MARKING		FLM



R1-2A

GREEN SURFACE TREATMENT
IN RIFYCIFI AND F

EXTERNAL LINEMARKING PLAN
SCALE 1:100



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DIAL BEFORE YOU DIG:
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CONSTRUCTED INFORMATION NO POT HOLLING HAS BEEN UNDERTAKEN TO VERIFY
EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS
RESPONSIBILITY TO UNDERTAKE POT HOLLING TO VERIFY THE DESIGN

EXISTING SERVICES NOTE:

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION ON FIELD SURVEY, IF MADE AVAILABLE TO THE ENGINEER. THE LOCATION OF UNDERGROUND SERVICES ARE NOTED BY THE TYPE DESIGN. THE LOCATION OF UNDERGROUND SERVICES ARE NOTED BY THEIR RESPECTIVE CLASS IN ACCORDANCE WITH AS54-88:2019. THE AUSTRALIAN STANDARDS FOR CLASSIFICATION OF SUB-SURFACE UTILITY INFORMATION (SUL) NO.107 - HOLDING HAS BEEN UNDERTAKEN TO DETERMINE EXISTING SERVICE LOCATION INFORMATION. THIS IS THE CONSIDERED MOST ACCURATE TO UNDER TAKE FOR THE SURVEY AND DESIGN. THE ENGINEER HAS CONSIDERED THE LOCATION AND LOCATION OF ALL SERVICES AND VERIFY THE DESIGN.

SCALE 1"=100' (A-1)

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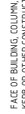
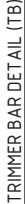
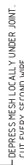
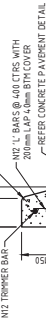
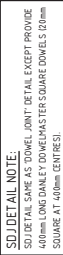
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INTERNAL LINEMARKING PLAN
SCALE 1:250

R1-2A

Queensland
Government

DRAWN	JH	DESIGNED	CA	DATE	APRIL 2020
CHECKED	JHU	APPROVED	 RPEQ 15450		
DRAWING No.		C5211 - CR05		REV.	B



PAVEMENT CONSTRUCTION NOTES

- 1 UNLOAD, SORT OR OTHERWISE DEFILTERIOUS MATERIAL AT SUBSTATION.
- 2 SHALL BE EXCAVATED AND REPLACED WITH IMPROVED MATERIAL, WITH A MINIMUM OF 10%.
- 3 MATERIAL EXPOSED FROM OTHER AREAS SHALL NOT BE USED AS FILL FOR THIS PROJECT.
- 4 SELECT FILL UNDERAPPROPRIATE TO BE PLACED AND COMPACTED IN 200mm MAXIMUM LAYER. THE MINUS IS PLACED TO 95% MODIFIED COMPACTION
- 5 ALL COMPACTION TO BE SUBJECT TO TESTING IN ACCORDANCE WITH CONSTRUCTION
- 6 ALL WORKS ARE TO BE GRADED TO PROVIDE DRAINAGE DURING CONSTRUCTION
- 7 SUBGRADE IS TO BE COMPACTED TO OPTIMUM MOISTURE CONTENT TO AVERAGE 8% STANDARD FOR THE TOP 300mm x 95% STANDARD
- 8 ALL FINISHES IN ROADWAYS ARE TO BE BACKFILLED TO BUCKLE LEVEL USING APPROVED MATERIAL, WITH A MINIMUM OF 10%. THIS BACKFILL SHALL BE PLACED IN LAYERS NOT EXCEEDING 300mm COARSE MATERIALS ONLY MUST UNDERGO COMPACTION. COMPACTION TESTS EVERY 500g CARBON THERMO ONE IN FIVE TESTS TO BE LOCATED
- 9 EVERY 10M PART THROUGH ONE IN FIVE TESTS TO BE LOCATED
- 10 STOPWORK IMMEDIATELY, REPORT TO FREEZE DANGER, OR OUTLET SUCH AS STOPWORK IMMEDIATELY, REPORT TO FREEZE DANGER, OR OUTLET

CONCRETE NOTES

- | | |
|-----|--|
| 1 | ALL CONCRETE SUPPLY AND WORK SHALL MEET THE REQUIREMENTS OF A33.000. |
| 2 | CONCRETE CURE SHALL BE NOT2. |
| 3 | AGGREGATE FORT CONCRETE SHALL BE CLEAN AND FREE OF CLAY |
| 4 | NO ADJUVANTS TO THE CONCRETE SHALL BE PERMITTED WITHOUT THE |
| 5 | PROB APPROVAL OF THE SUPERINTENDENT |
| 6 | COMPLIANCE OF CONCRETE SUPPLY SHALL BE IN ACCORDANCE WITH |
| 7 | THE REQUIREMENTS OF SECTION 20.00 OF A33.000. |
| 8 | CONCRETE SURFACE SHALL BE BROUGHT HMOOTH. |
| 9 | CONCRETE SHALL NOT BE PLACED WHENEVER HOT DRY WIND CONDITIONS |
| 10 | EXIST. |
| 11 | CONCRETE PLACED IN TEMPERATURES OVER 25 CENTIGRADE SHALL |
| 12 | IMMEDIATELY AFTER PLACEMENT BE COVERED WITH AN EVAPORATION |
| 13 | RETARDANT AND OR SHADING CO. APPROVED BY THE ARCHITECT. |
| 14 | CONCRETE SHALL BE PLACED IN A SINGLE LIFT. |
| 15 | DRAWINGS AND SURVEYING TRACK CONCRETE JOINTS SHALL BE SAWN |
| 16 | WITHIN 24 HOURS OF CONCRETE PLACEMENT. ALL JOINTS SHALL BE |
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| 87 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 88 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
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| 94 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 95 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 96 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 97 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 98 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 99 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |
| 100 | SAWED TO THE FULL DEPTH OF THE PLACEMENT. JOINTS SHALL BE |

JOINTING NOTES

1. ALL DOWELS TO BE CONSTRUCTED AT MINIMUM SPACING SPECIFIED.
2. DOWELS TO BE CONSTRUCTED PERPENDICULAR TO JOINT.
3. CONTRACTOR TO ENSURE MINIMUM 50mm COVER TO OUTER MOST REINFORCING BAR.
4. REFER SITE CONDITIONS FOR LOCATIONS OF ISOLATION JOINTS IF-AL
5. SPACING/DOWEL JOINTS (CONCRETE POUS) TO BE NO GREATER THAN 24.0m.
6. SAWN JOINTS TO BE EVENLY SPACED BETWEEN CONCRETE POUS AT NORMAL 1.0m - 1.0m SPACINGS.
7. CONTRACTOR TO PROVIDE TRIMMED-BARS, AT ALL SERVIENTS PITS, RE-ENTRANT CORNERS, AND AS DIRECTED-ON-SITE.

WORKPLACE HEALTH AND SAFETY NOTE:

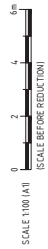
ALL WORKS UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE NEAREST OFFICE OF THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PHONE No. 1300 362 178.

DIAL BEFORE YOU DIG:

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS
CONSTRUCTED INFORMATION. NO POT HOLE HAS BEEN UNDERTAKEN TO VERIFY
EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS
RESPONSIBILITY TO IDENTIFY AND NOT HOLDING TO VERIFY THE DESIGN.

EXISTING SERVICES NOTE:

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION OR FIELD SURVEY. IF MADE AVAILABLE TO MINE AT THE TIME OF DESIGN, THE LOCATION OF UNDERGROUND SERVICES ARE NOTED WITH THEIR RESPECTIVE CLASS IN ACCORDANCE WITH ASS448:2019. THE AUSTRALIAN STANDARDS FOR CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION (SUI) NO POT HOLING HAS BEEN ENTERED TO VERIFY EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKE FURTHER SURVEY AND POT HOLING AS REQUIRED, TO CONFIRM THE NAT USE AND LOCATION



DRAWN	DESIGNED	DATE
JH	CA	APRIL 2022
CHECKED	APPROVED	
JHU		

REV. *S. Hede*
RREQ 15650

DRAWING NO. C5211 - CR07

B

INTERNAL PAVEMENT DETAILS

144 GRAMPIAN DRIVE, DEEBING
HEIGHTS

OTIOSUM PTY LTD



JAS-ANZ
www.jas-anz.com.au

MILANOVIC NEALE
CONSULTING ENGINEERS

**CIVIL
STRUCTURAL
TRAFFIC
PROJECT MANAGEMENT**

BRISBANE IP SWICH GOLD COAST SYDNEY

REV.	DESCRIPTION	DATE	INIT.
A	RPT RESPONSE	06.05.22	JH
B	RPT RESPONSE	12.05.22	SH

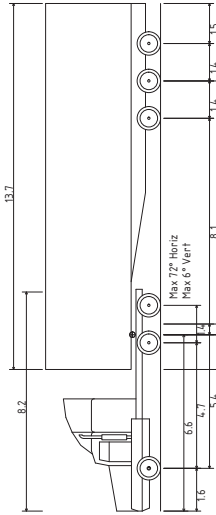
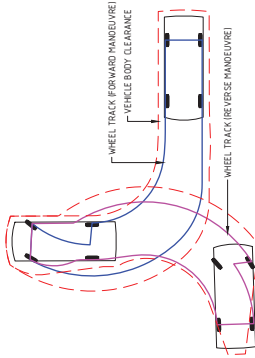
NOT FOR CONSTRUCTION

SPRINGS DRIVE

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1418
Date: 31 August 2023

PLAN
SCALE 1:100



AV – Articulated Vehicle	19,000m
Overall Length	2,500m
Overall Width	4,301m
Overall Body Height	0,418m
Min Body Ground Clearance	2,500m
Track Width	6,00s
Lock-to-lock time	12,500m
Curb to Curb Turning Radius	

WORKPLACE HEALTH AND SAFETY NOTE:
ALL WORKS UNDERTAKEN BY THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE NEAREST OFFICE OF THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PHONE NO: 1300 362 728.

DIAL BEFORE YOU DIG:
THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS
CONSTRUCTED INFORMATION. NO POT HOLLING HAS BEEN UNDERTAKEN TO VERIFY
EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS
RESPONSIBILITY TO UNDERTAKE POT HOLLING TO VERIFY THE DESIGN.

EXISTING SERVICES NOTE:

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION OR FIELD SURVEY. IF MADE AVAILABLE TO PENCE AT THE TIME OF DESIGN, THE LOCATION OF UNDERGROUND SERVICES NOTED WITHIN THEIR RESPECTIVE CLASS IN ACCORDANCE WITH ASS488:2019, THE AUSTRALIAN STANDARD FOR UNDERGROUND SERVICES, SHOULD BE USED TO VERIFY THE LOCATION. NO POT HOLE HAS BEEN IDENTIFIED TAKEN TO VERIFY THIS LINE SERVICE LOCATIONS AND DEPTHS IT IS THE CONTRACTORS RESPONSIBILITY TO UNDERTAKE FURTHER SURVEY AND POT HOLEING AS REQUIRED, TO CONFIRM THE NATURE AND LOCATION OF THESE SERVICES AND VERIFY THE DESIGN.

REV	DESCRIPTION	DATE	INIT.
A	RFT RESPONSE	01/07/22	SJH

CONTACT DETAILS
E mail@mince.com.au
W www.mince.com.au

JAS-ANZ


SGS


CLIENT

MILANOVIC NEALE CONSULTING ENGINEERS

CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT

BRISBANE PH No. (07) 3255 1077

IPSWICH PH No. (07) 3281 6603

SYDNEY PH No. 1300 927 901

GOLD COAST PH No. 1300 927 901

144 GRAMPIAN DRIVE, DEEBING
HEIGHTS

OTIOSUM PTY LTD

TITLE

VEHICLE SWEEP PATHS - SHEET 1
OF 3

DRAWN	SH	DESIGNED	JHU	DATE	JUN 2022
CHECKED	JIN	APPROVED	 RPEP 15650		
DRAWING NO.			REV.		
C5211 - CR08			A		

SCALE 1:100 (A1)

0 2 4 6m

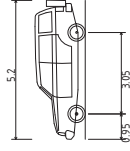
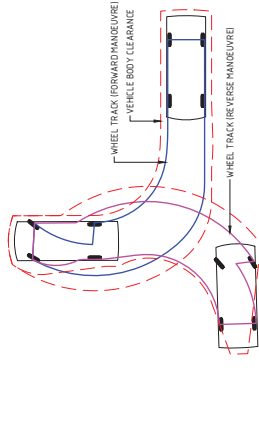
15' 0" 30' 0" 45' 0" 60' 0"

REAL PROPERTY DESCRIPTION
LOT 803 ON RP##

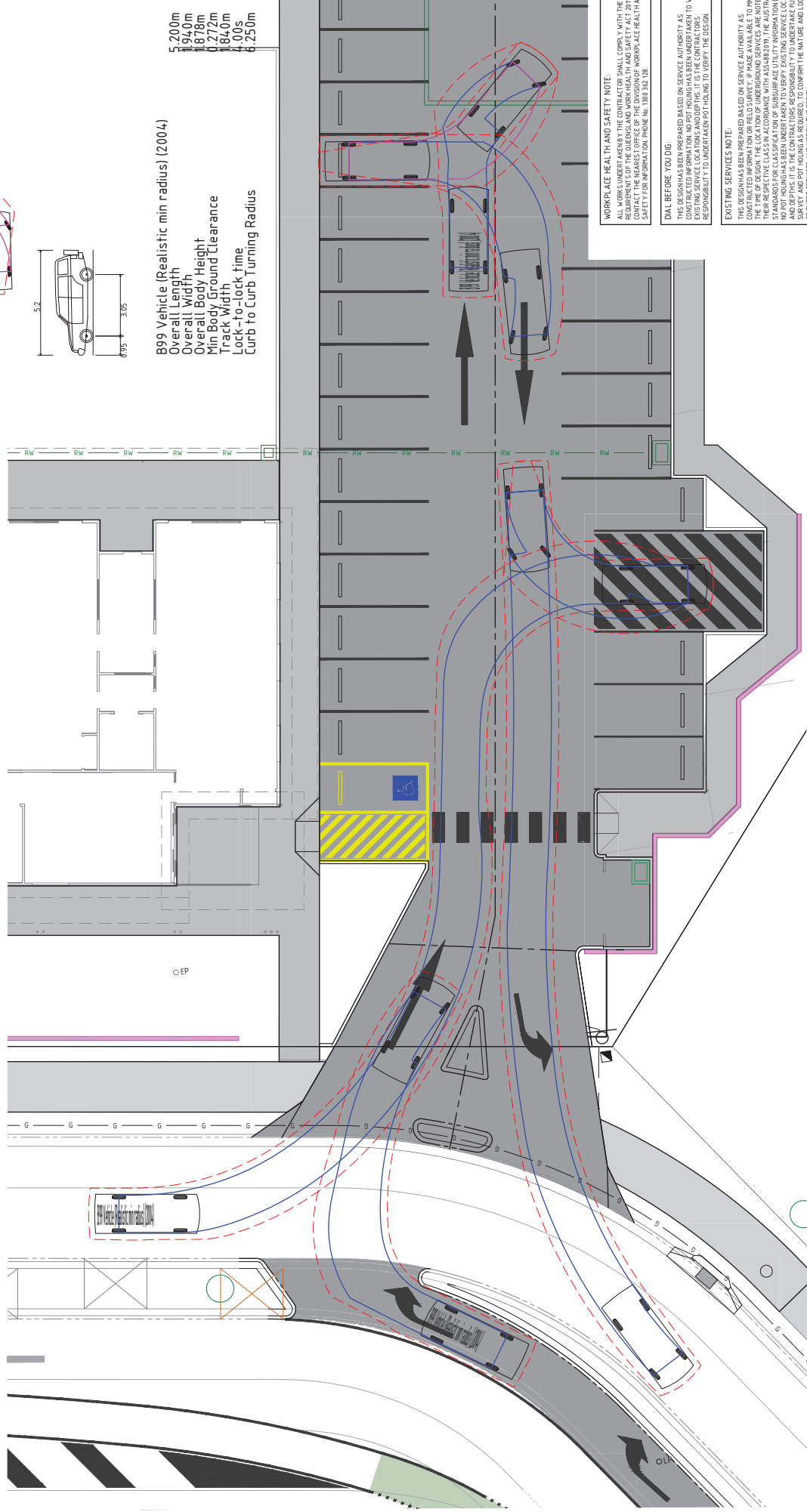
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PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1418
Date: 31 August 2023



053 Vehicle (transit) min (radius) (2004)	5,200mm
Overall Length	1,940mm
Overall Width	1,878mm
Overall Body Height	0,272m
Min Body Ground Clearance	184,0mm
Track Width	4,00s
Lock-to-lock time	6,250mm
Curb to Curb Turning Radius	



EXISTING SERVICES NOTE:

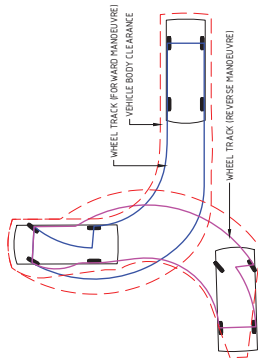
THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION OR FIELD SURVEY. IF MADE AVAILABLE TO MAKE THE DESIGN OF THE PROJECT MORE ACCURATE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS AND INFORMATION FROM THE CITY OF CHICAGO, ILLINOIS DEPARTMENT OF PUBLIC WORKS, DIVISION OF STREET LIGHTS, AND THE CHICAGO POLICE DEPARTMENT, DIVISION OF TRAFFIC ENGINEERING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS AND INFORMATION FROM THE CHICAGO POLICE DEPARTMENT, DIVISION OF TRAFFIC ENGINEERING, AND THE CHICAGO POLICE DEPARTMENT, DIVISION OF TRAFFIC ENGINEERING.

[illegible]

DO NOT SCALE FROM DRAWING
ALL SCALES ARE AS SHOWN (A1)

Technical drawing of the REFUSE TRUCK ACCO 2350. The drawing includes a side profile view and a front view. The side profile view shows the truck's body with dimensions: 10.4m for the overall length, 4.386m for the overall width, 5.503m for the overall body height, 1.513m for the min body ground clearance, 0.867m for the track width, and 0.33m for the lock-to-lock turning radius. The front view shows the truck's body with dimensions: 10.400m for the overall length, 3.500m for the overall width, 3.751m for the overall body height, 0.304m for the min body ground clearance, 2.500m for the track width, and 9.500m for the lock-to-lock turning radius.

Dimension	Value
Overall Length	10.400m
Overall Width	3.500m
Overall Body Height	3.751m
Min Body Ground Clearance	0.304m
Track Width	2.500m
Lock-to-Lock turning Radius	9.500m



Queensland Government

PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2023/1418
Date: 31 August 2023

WORKPLACE HEALTH AND SAFETY NOTE:

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DIAL BEFORE YOU DIGIT

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CONSTRUCTED INFORMATION. NO POT HOLLING HAS BEEN UNDERTAKEN TO VERIFY
EXISTING SERVICE LOCATIONS AND DEPTHS. IT IS THE CONTRACTORS
RESPONSIBILITY TO UNDERTAKE POT HOLLING TO VERIFY THE DESIGN.

EXISTING SERVICES NOTE:

THIS DESIGN HAS BEEN PREPARED BASED ON SERVICE AUTHORITY AS CONSTRUCTED INFORMATION OR FIELD SURVEY, IF MADE AVAILABLE TO MINE ENGINEERS. THE TIME OF DESIGN, THE LOCATION OF UNDERGROUND SERVICES ARE NOTED WITHIN THE DESIGN. THE DESIGN IS BASED ON THE ASSUMPTION THAT THE CONTRACTOR'S RESPONSIBILITY FOR CLASSIFICATION OF SUBSURFACE UTILITY INFORMATION IS IN ACCORDANCE WITH ASS 488.09.19. THE AUSTRALIAN STANDARDS FOR SPECIFICATION OF SUBSURFACE UTILITY INFORMATION IS IN ACCORDANCE WITH ASS 488.09.19. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING SERVICE LOCATION AND DEPTHS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERTAKE FURTHER SURVEY AND POT HOLEING AS REQUIRED, TO CONFORM THE NATURE AND LOCATION OF THESE SERVICES AND VERIFY THE DESIGN.

SCALE 1:200 (A1)

[illegible]