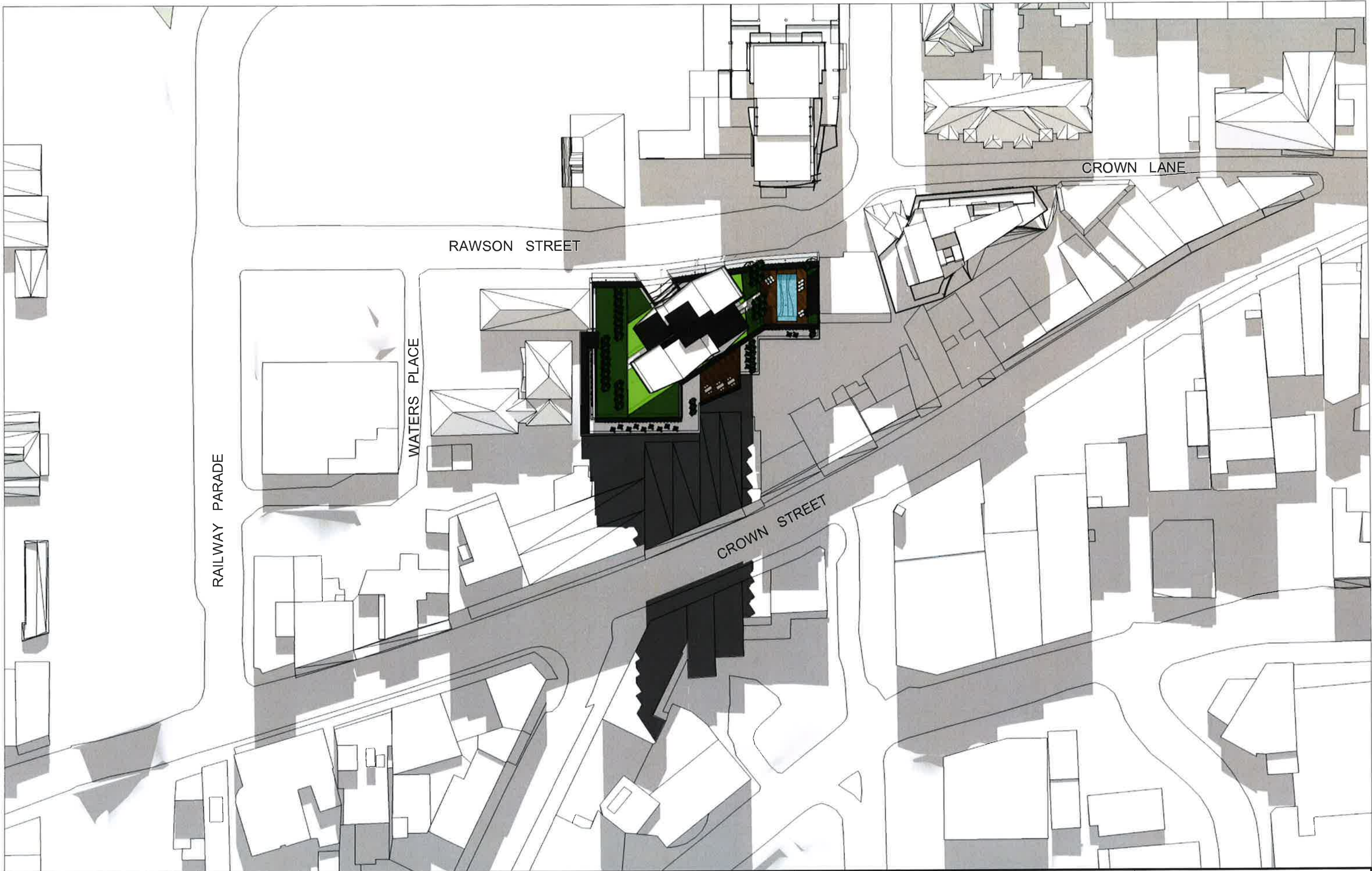




IMPORTANT NOTES:

Do not scale from drawings. All dimensions to be checked on site before commencement of work. All discrepancies to be brought to the attention of the Architect. In girth scale drawings and section dimensions take preference. This drawing is copyright and the property of the author, and must not be retained, copied or used without the express authority of MARCHESE + PARTNERS INTERNATIONAL PTY LTD.

NOT FOR
CONSTRUCTION

REVISION	DATE	DESCRIPTION	BY
A	07/07/2011	DA 505/105/014	FR

marchesepartners

Marchese Partners International Pty Ltd
Level 7, 107 Mount Street, North Sydney, NSW 2060 Australia
P +61 2 9922 4375 F +61 2 9929 5786 E info@marchesepartners.com.au
www.marchesepartners.com.au
Sydney · Brisbane · Melbourne · Canberra · San Diego · San Francisco
ACN 098 552 151 ABN 20 098 552 151

CLIENT

HERAYMILA INVESTMENT LIMITED

PROJECT

RESIDENTIAL TOWER
3 Rawson Street,
Wollongong NSW, 2520

DRAWING TITLE

SHADOW STUDY
JUNE 21ST - 12PM

SCALE
1:500 @ A1
1:1000 @ A3

DATE
16.03.2011

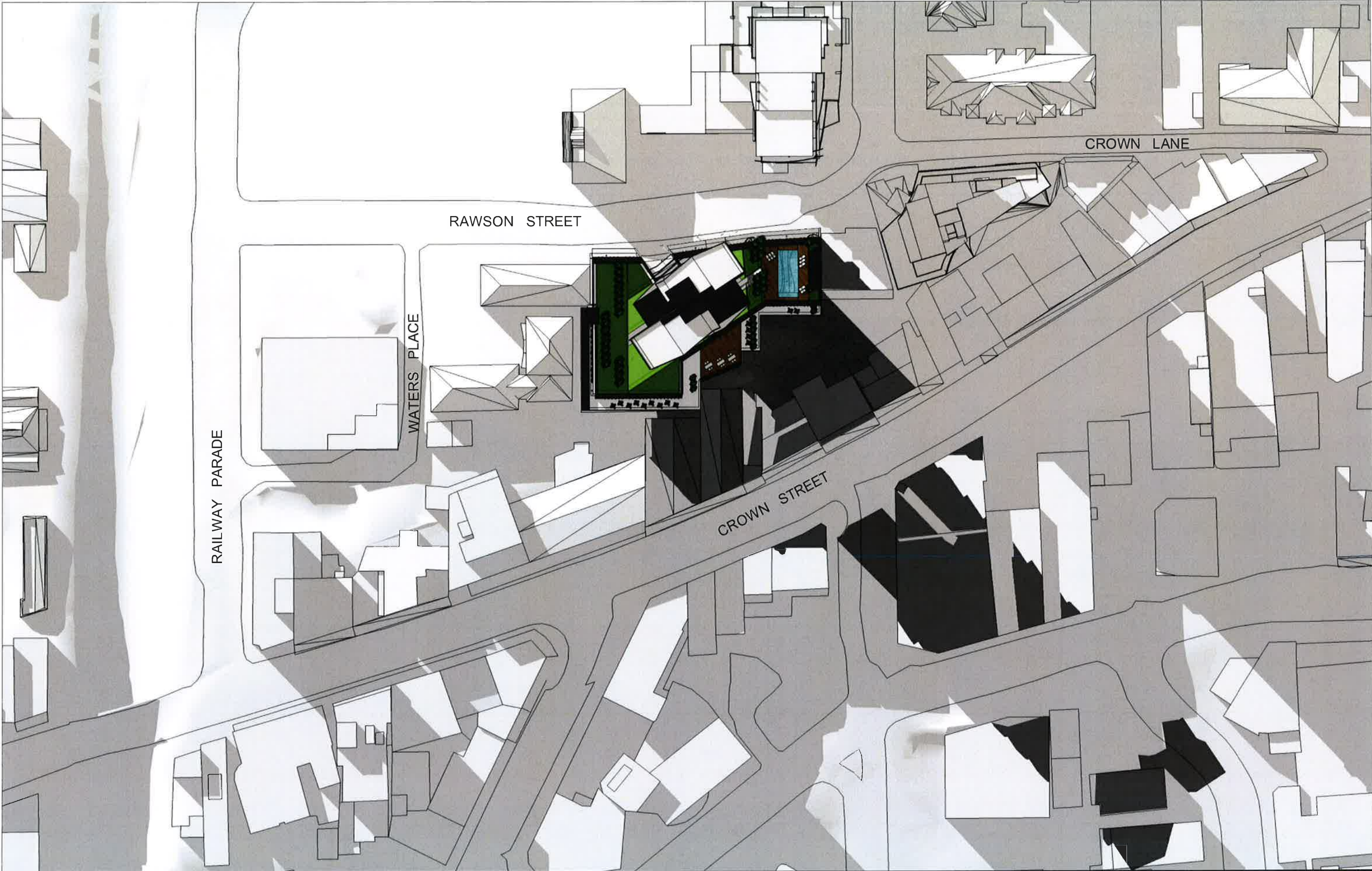
DRAWN
FR

CHECKED

JOB
11004

DRAWING
DA 07.08

REVISION
A



IMPORTANT NOTES:
Do not scale from drawings. All dimensions to be checked on site before commencement of work. All discrepancies to be brought to the attention of the Architect. Larger scale drawings and written dimensions take preference. This drawing is copyright and the property of the author, and must not be retained, copied or used without the express authority of MARCHESE + PARTNERS INTERNATIONAL PTY LTD

NOT FOR
CONSTRUCTION

REVISION	DATE	DESCRIPTION	BY
A	07 SEP 2011	DATE SUBMITTED	PK

marchesepartners

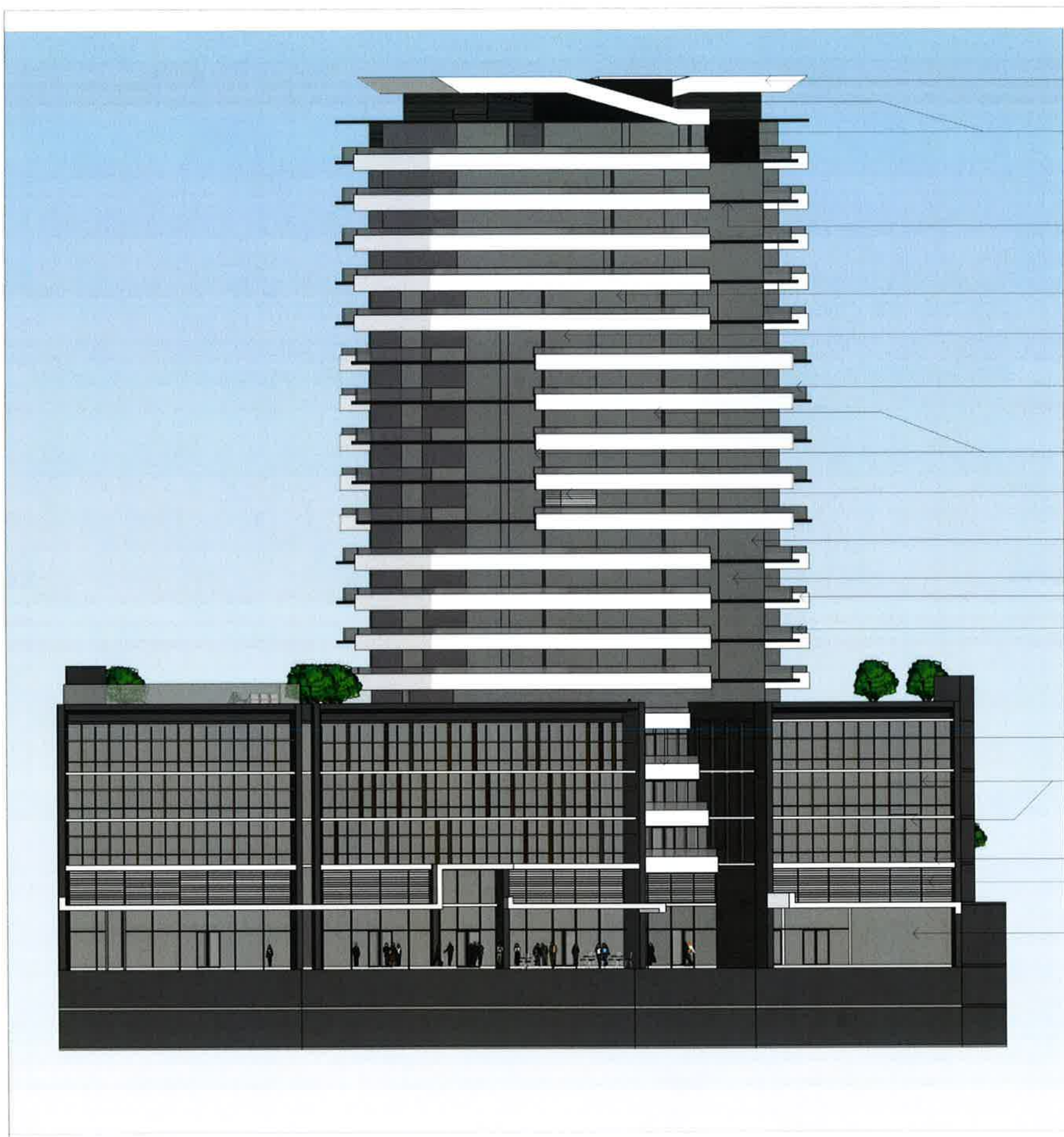
Marchese Partners International Pty Ltd
Level 7, 107 Mount Street, North Sydney, NSW 2060 Australia
P +61 2 9922 4375 F +61 2 9929 5786 E info@marchesepartners.com.au
www.marchesepartners.com.au
Sydney · Brisbane · Melbourne · Canberra · San Diego · San Francisco
ACN 098 552 151 ABN 20 098 552 151

CLIENT
HERAYMILA INVESTMENT LIMITED

PROJECT
RESIDENTIAL TOWER
3 Rawson Street,
Wollongong NSW, 2520

DRAWING TITLE
SHADOW STUDY
JUNE 21ST - 3PM

SCALE 1:500 @ A1 1:1000 @ A3	DATE 16.03.2011	DRAWN FR	CHECKED
JOB 11004	DRAWING DA 07.09	REVISION A	



(A) PATCH AND PAINT TO CONCRETE (OFF WHITE)

(F) FIXED ANODIZED ALUMINIUM LOUVRE TO PLANT AREA

(B) PATCH AND PAINT TO CONCRETE (CHARCOAL BLACK)

(C) POWDERCOATED ALUMINIUM FRAME

(D) GREY TINTED GLASS FOR WINDOW TO BASIX REPORT

(E) FRAMELESS GLASS BALUSTRADE TO 1.2M FROM LEVEL FINISH (REFER TO PEDESTRIAN WIND ENVIRONMENT STATEMENT)

FIXED PRIVACY SCREEN PANEL TO FULL HEIGHT (REFER TO PEDESTRIAN WIND ENVIRONMENT STATEMENT)

(F) FIXED ANODIZED ALUMINIUM LOUVRE TO PLANT AREA

(C) POWDERCOATED ALUMINIUM FRAME

(D) GREY TINTED GLASS FOR WINDOW TO BASIX REPORT

(A) PATCH AND PAINT (OFF WHITE) CONCRETE BALUSTRADE

(E) FRAMELESS GLASS BALUSTRADE - 1.2M FROM FINISHED FLOOR (REFER TO PEDESTRIAN WIND ENVIRONMENT STATEMENT)

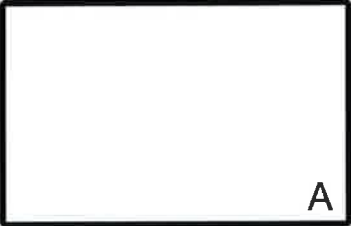
(A) PATCH AND PAINT (OFF WHITE) CONCRETE BALUSTRADE

(G) ANODIZED ALUMINIUM SUNSHADING PANELS TO OFFICE OPENINGS

(A) PATCH AND PAINT TO CONCRETE (OFF WHITE)

(F) FIXED ANODIZED ALUMINIUM LOUVRE TO P1

(H) ROLLER SHUTTER DOOR TO GARAGE ENTRY





IMPORTANT NOTES:
Do not scale from drawings. All dimensions to be checked on site before commencement of work. All discrepancies to be brought to the attention of the Architect. Larger scale drawings and written dimensions take precedence. This drawing is copyright and the property of the author, and must not be retained, copied or used without the express authority of MARCHESE + PARTNERS INTERNATIONAL PTY LTD.

**NOT FOR
CONSTRUCTION**

REVISION	DATE	DESCRIPTION	BY
A	07/07/2011	DATE SUBMISSION	FR

marchesepartners

Marchese Partners International Pty Ltd
Level 7, 107 Mount Street, North Sydney, NSW 2060 Australia
P +61 2 9922 4375 F +61 2 9929 5786 E info@marchesepartners.com.au
www.marchesepartners.com.au
Sydney · Brisbane · Melbourne · Canberra · San Diego · San Francisco
ACN 098 552 151 ABN 20 098 552 151

CLIENT
HERAYMILA INVESTMENT LIMITED

PROJECT
**RESIDENTIAL TOWER
3 Rawson Street,
Wollongong NSW, 2520**

DRAWING TITLE
PHOTOMONTAGES

SCALE	DATE	DRAWN	CHECKED
NTS	16.03.2011	FR	
JOB	DRAWING	REVISION	
11004	DA 09.01	A	

PLANTING PALLET

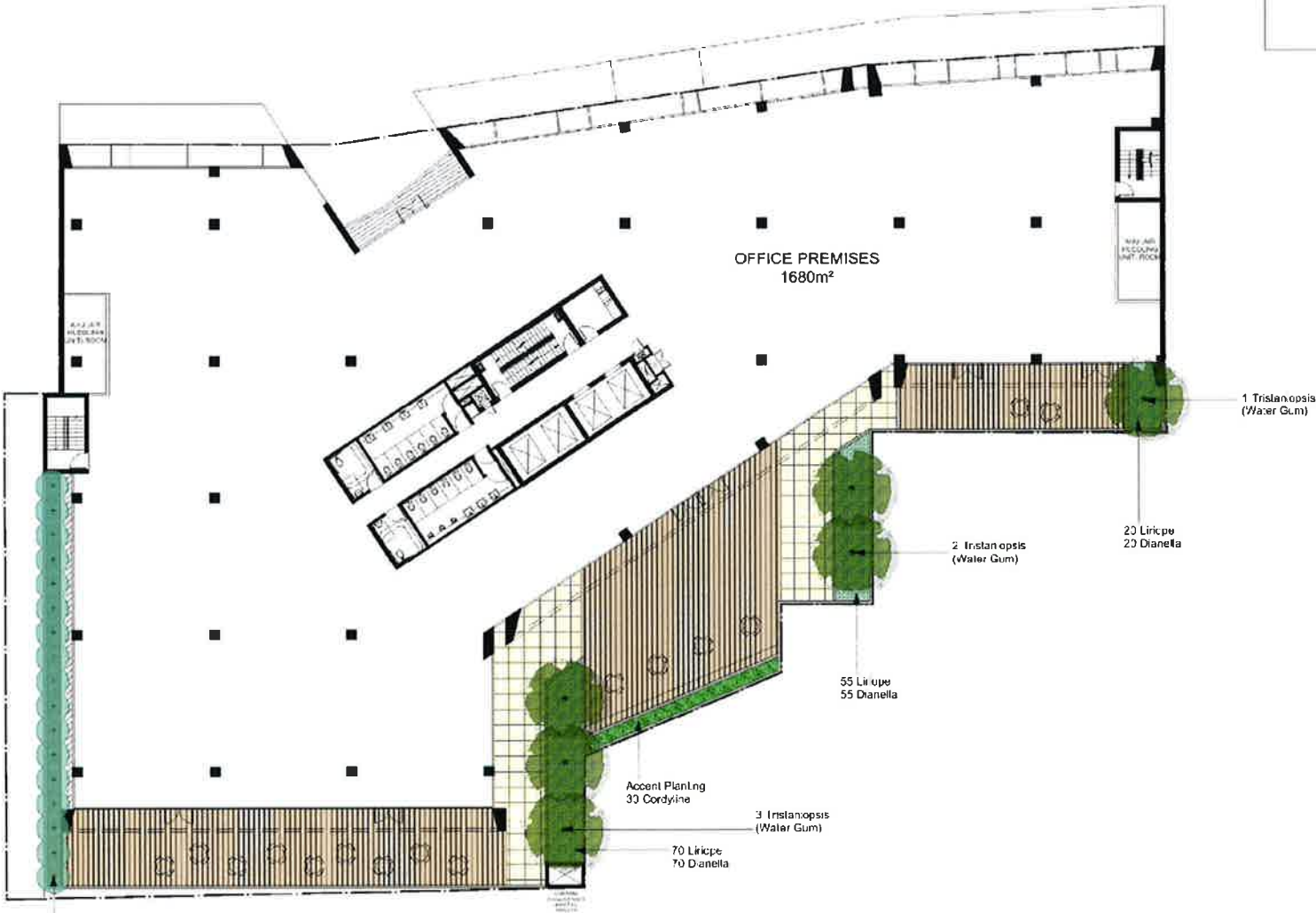
Cordyline stricta (Cordyline)

Tristanopsis laurina (Water Gum)

Metrosideros colina 'Thomas' (NZ Christmas Bush)

Linope muscari 'Isabella' (Pink Turf Lily)

Dianella 'Silver Border' (Silver Border)



Botanical Name	Common Name	Pot Size	Height (m)	Quantity
TREES				
Metrosideros colina 'Thomas'	NZ Christmas Bush	75L	4.5	17
Tristanopsis laurina	Water Gum	200L	6.0	6
SHRUBS/ACCENT				
Cordyline stricta	Cordyline	200mm	2.3	33
GROUNDCOVERS				
Dianella 'Silver Border'	Silver Border	150mm	0.5	145
Linope muscari 'Isabella'	Pink Turf Lily	150mm	0.4	145

LEGEND

Tristanopsis laurina (Water Gum)

Metrosideros colina 'Thomas' (NZ Christmas Bush)

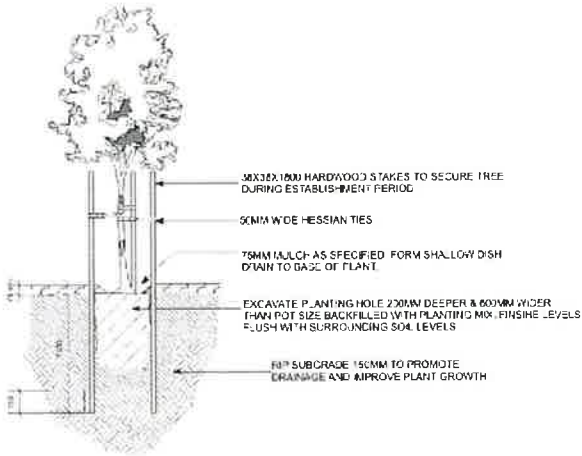
Cordyline stricta (Cordyline)

Dianella 'Silver Border' (Silver Border)

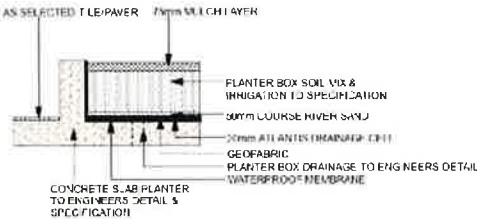
Linope muscari 'Isabella' (Pink Turf Lily)

As Selected Tile

Hardwood/Composite Decking



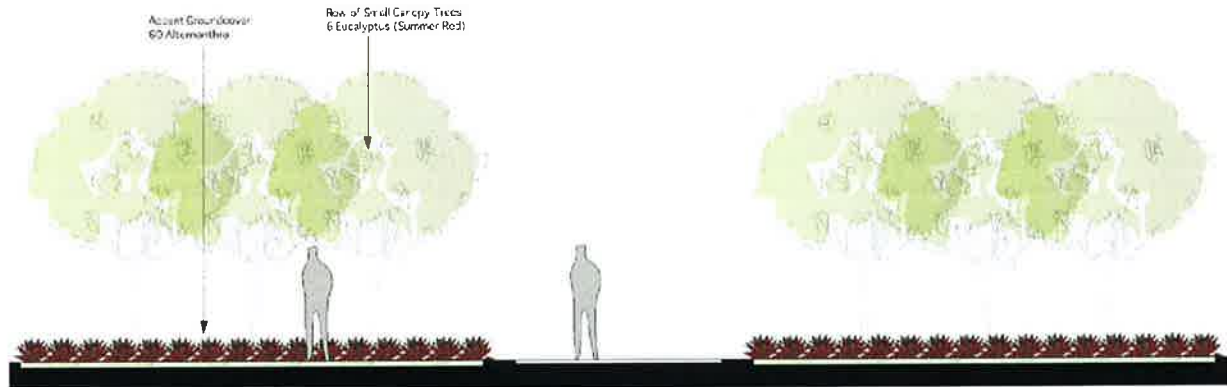
Typical Tree Planting Detail



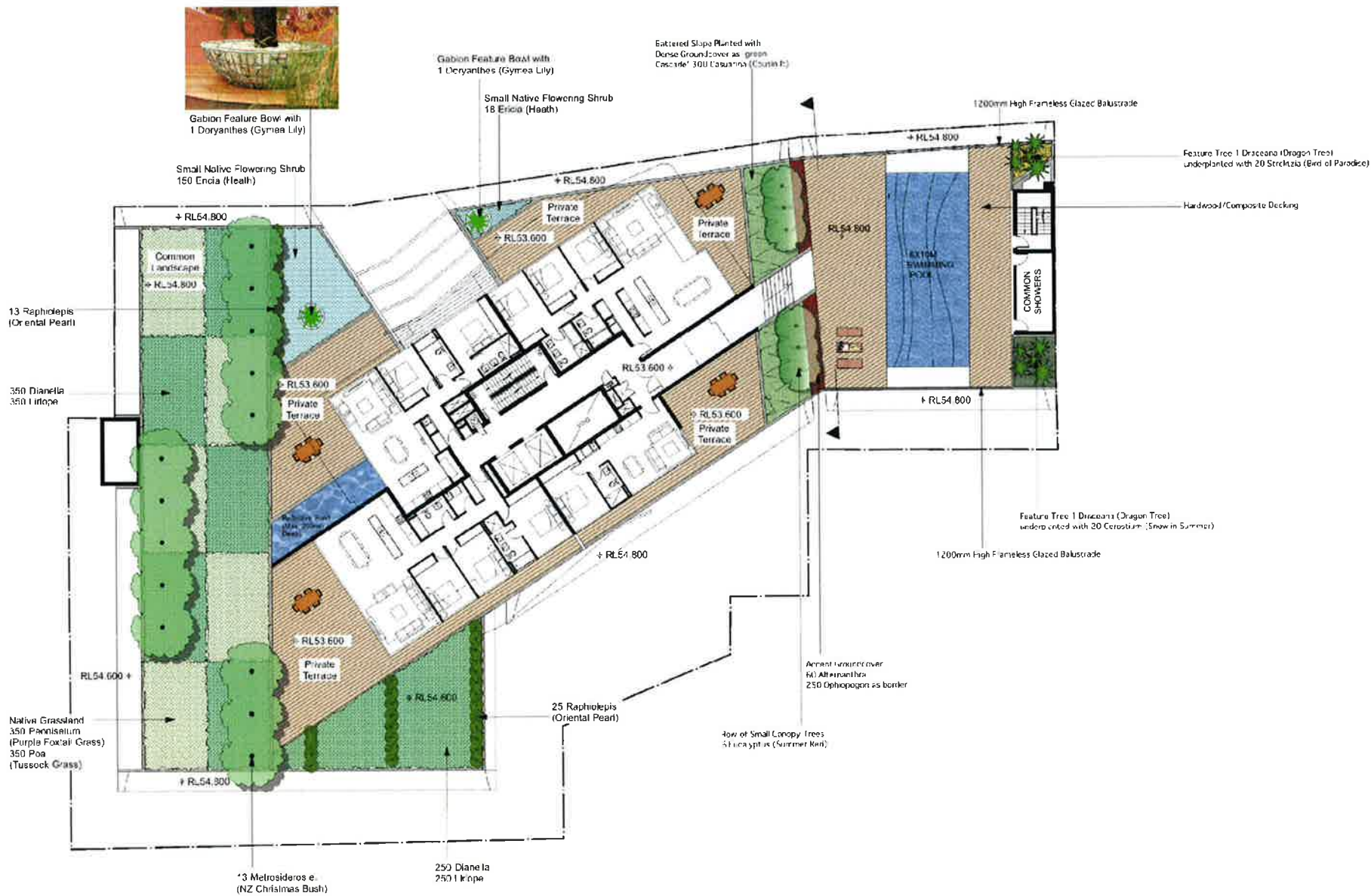
Typical On Slab Planter Detail



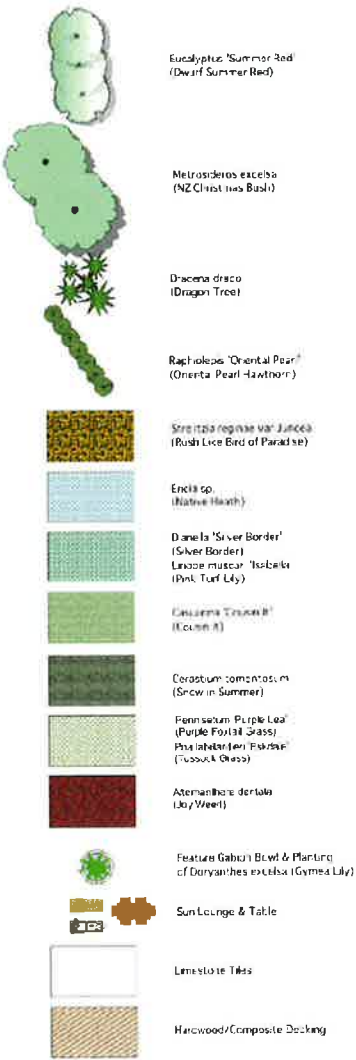
AMENDMENTS		
ISSUE	AMENDMENT	DATE
A	Issue for Comment	15.06.11
B	Issue for DA Approval	17.06.11



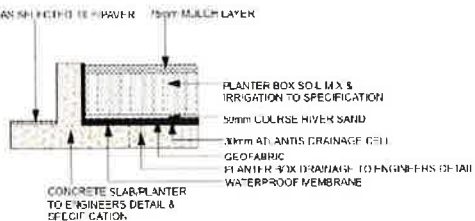
ELEVATION - Pool Terrace
Scale 1:50



LEGEND



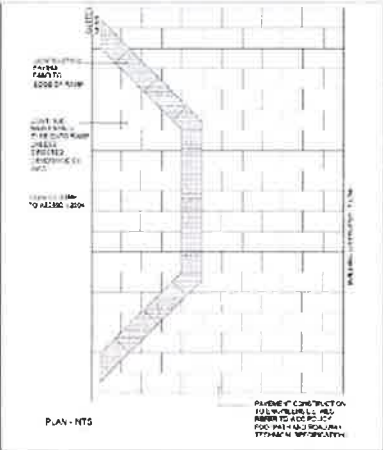
Typical On Slab Planter Detail



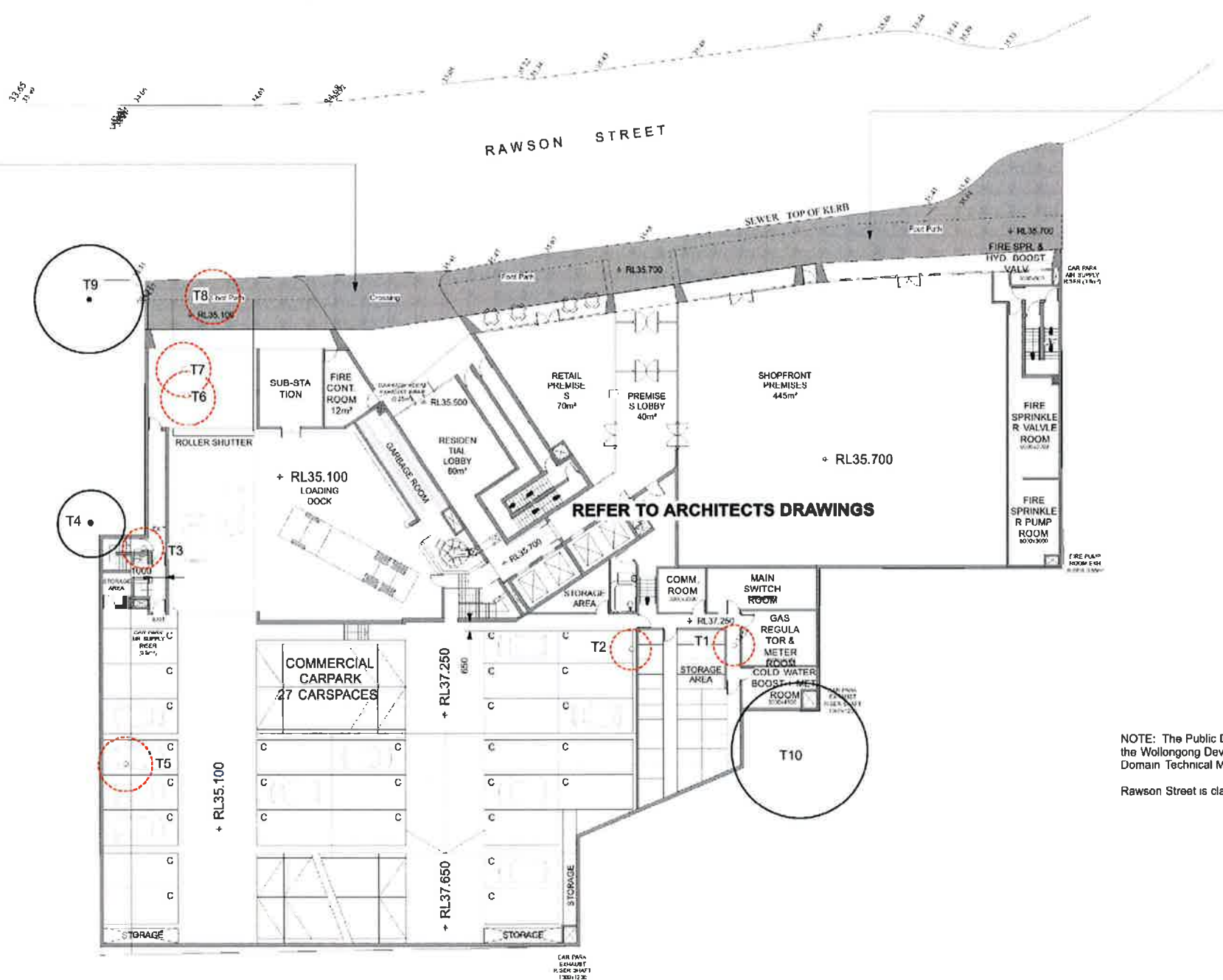
LEVEL 4 LANDSCAPE PLAN
Scale 1:200



TYPE 2 - CIVIC STREET CROSSING

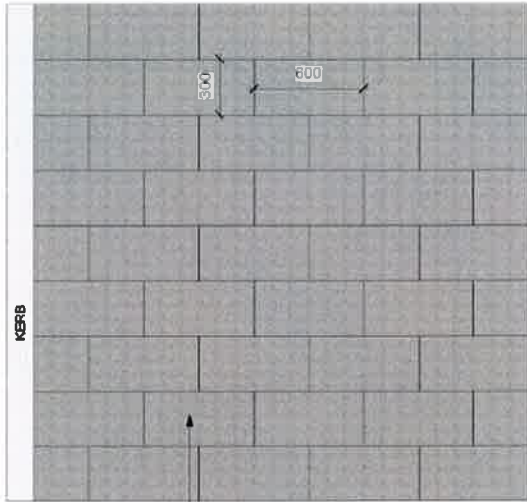


CROSSING - CIVIC STREET (Type 2)
(Source: DCP 2009 - Appendix 2 Wollongong City Centre Public Domain Technical Manual)



GROUND FLOOR PLAN (1:200)

TYPE 2 - CIVIC STREET PAVEMENT

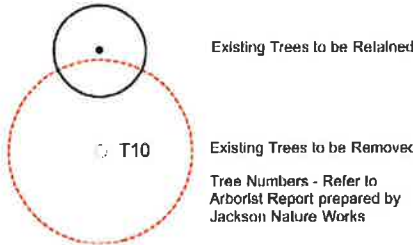


600x300x40mm 'Bassalt Dark' by Wilmid Pty Ltd (or approved equivalent) - exfoliated finish

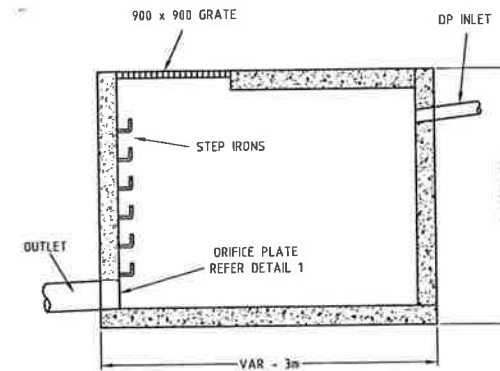
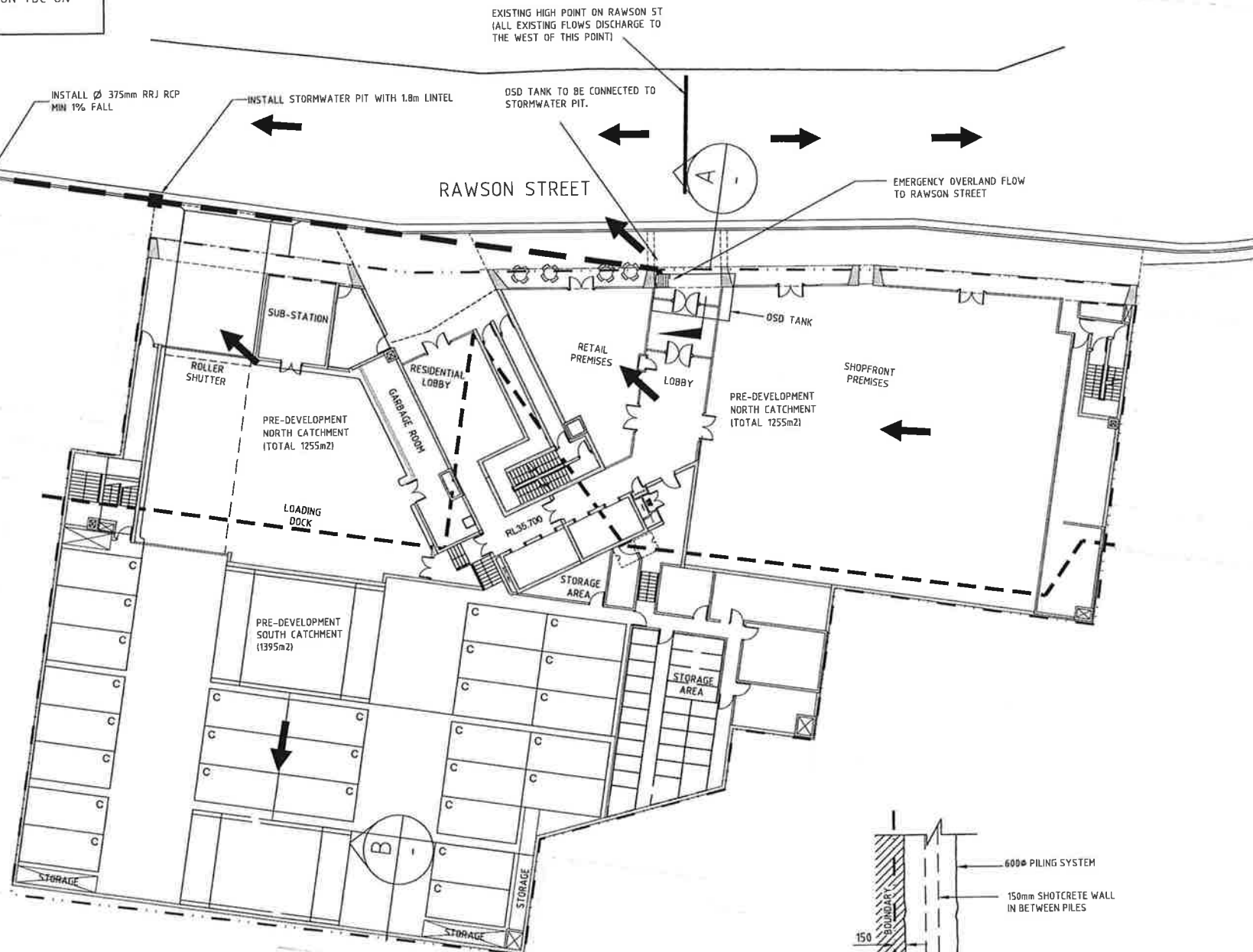
NOTE: The Public Domain (Streetscape) pavement is to be implemented in accordance with the Wollongong Development Control Plan 2009 - Appendix 2 - Wollongong City Centre Public Domain Technical Manual. Subject to Engineers Details & Specifications.

Rawson Street is classified as Street Type 2 - Civic Street

LEGEND



NOTE:
1. EXACT OSD TANK LOCATION TBC ON ARCHITECTURAL PLANS.



SECTION A
OSD TANK
NOT TO SCALE

LEGEND:

- SITE BOUNDARY
- PRE-DEVELOPMENT CATCHMENT BOUNDARY
- PRE-DEVELOPMENT FLOW DIRECTION
- PROPOSED STORMWATER PIPE (SIZE AS SPECIFIED ON PLAN)
- PROPOSED STORMWATER PIT (SIZE AS SPECIFIED ON PLAN)

PRE AND POST DEVELOPMENT CATCHMENT DISTRIBUTION

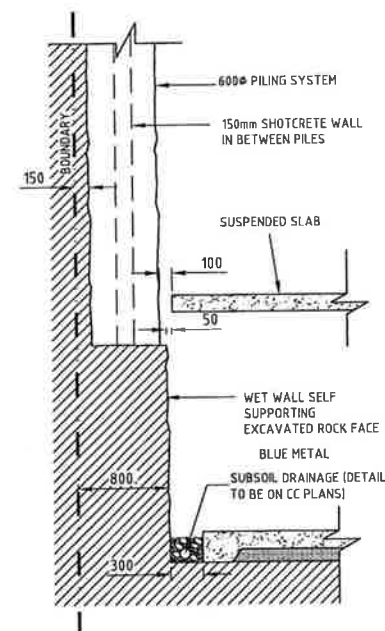
PRE-DEVELOPMENT		POST-DEVELOPMENT	
CATCHMENT DETAILS		CATCHMENT DETAILS	
TOTAL CATCHMENT AREA	2650 m2	TOTAL CATCHMENT AREA (INCLUDING VERTICAL CATCHMENTS)	3657m2
RAWSON ST CATCHMENT AREA	1255 m2	IMPERVIOUS FRACTION	100%
IMPERVIOUS FRACTION RAWSON ST (APPROX. 995m2)	80%	AREA DRAINING TO OSD	3657m2
PEAK FLOW RAWSON ST (5 YR ARI)	66.0 L/s	STORAGE AVAILABLE IN OSD TANK	32m3 (ie. 32000L)
PEAK FLOW RAWSON ST (100YR ARI)	105.0 L/s	TOTAL PEAK FLOW (5 YR ARI)	66.0 L/s
		TOTAL PEAK FLOW (100YR ARI)	105.0 L/s

OSD CALCULATIONS

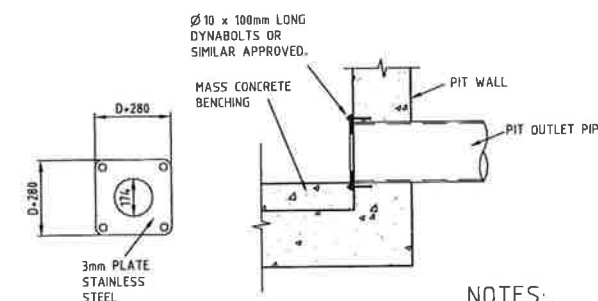
OSD CATCHMENT AREA	3657 m2
PRE-DEVELOPMENT IMPERVIOUS AREA	995 m2
POST-DEVELOPMENT IMPERVIOUS AREA	3657 m2
Q 5YR	66.0 L/s
Q 100YR	105.0 L/s
V 5YR	18.4 m3
V 100YR	32.0 m3

NOTE:

- OSD VOLUME INCREASED AND PSD FOR SITE REDUCED TO RAWSON ST CATCHMENT FLOWS TO ENSURE NOT ADVERSE EFFECT ON SYSTEM CAUSED BY DIRECTING ALL FLOWS INTO RAWSON ST.
- WBNM USED TO MODEL OSD DUE TO CHANGING CATCHMENT SIZE BETWEEN PRE AND POST DEVELOPMENT SCENARIO.



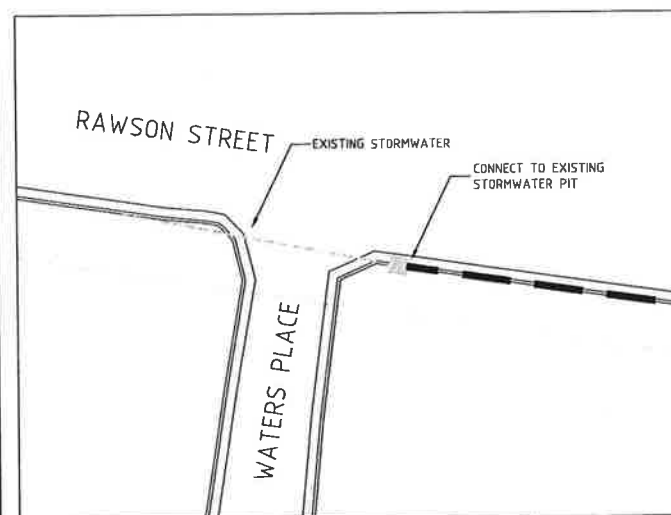
SECTION B
BASEMENT SECTION DETAIL
NOT TO SCALE



DETAIL 1
TYPICAL ORIFICE PLATE
NOT TO SCALE

NOTES:

- SURCHARGE/INSPECTION OPENING TO BE LOCATED OVER OUTLET PIPE
- HOLE IN ORIFICE PLATE TO BE PRECISION CUT WITH SHARP EDGES TO SPECIFIED SIZE
- OUTLET PIPE IS TO BE CAST INTO WALL OF PIT
- OSD TANK ORIFICE PLATE - 174mm DIA



INSERT A-A

Rev	Date	Description	Des.	Verif.	Appr.
4	16/11/11	REVISED TO COUNCIL COMMENTS	JMW	LJD	LJD
3	27/10/11	UPDATED OSD DETAILS	ROH	LJD	LJD
2	13/09/11	UPDATE DRAINAGE ALONG RAWSON STREET	MAH	LJD	LJD

© Cardno Limited All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



ABN: 95 001 145 035
Level 1, 43 Burrell Street, Wollongong, NSW Australia 2500
Phone: (+61 8) 4228 6153 Fax: (+61 2) 4228 6811
Email: CFR@cardno.com.au Web: www.cardno.com.au

Drawn	JMA	Date	27/06/2011
Checked	CJG	Date	27/06/2011
Designed	LJD	Date	27/06/2011
Verified	LJD	Date	27/06/2011
Approved	LJD	Date	27/06/2011

Client: CAVERSTOCK GROUP PTY LTD
3 RAWSON STREET WOLLONGONG
GROUND FLOOR DRAINAGE CONCEPT PLAN

Status	FOR APPROVAL		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
DATUM	REGISTER	Scale	Size
AHD		1:200	A1
Drawing Number			Revision
FR111063-01-1001			4

[illegible]

© Cardno Limited All Rights Reserved
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the retainer. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.



Drawn	JMA	Date	27/06/2011
Checked	CJG	Date	27/06/2011
Designed	LJD	Date	27/06/2011
Verified	LJD	Date	27/06/2011
Approved	LJD	Date	27/06/2011

11	Client	CAVERSTOCK GROUP PTY LTD
11		3 RAWSON STREET WOLLONGONG
11		
11		8.8M MEDIUM RIGID VEHICLE
11		AUTOTRACK LAYOUT PLAN

Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES			
DATUM AHD	REGISTER 10/10/10	Scale 1:200	Size A1
Drawing Number FR111063-01-1002			Revision 1

DATE PLOTTED 27 October 2011 15:11 PM BY RAJIA HANNAM

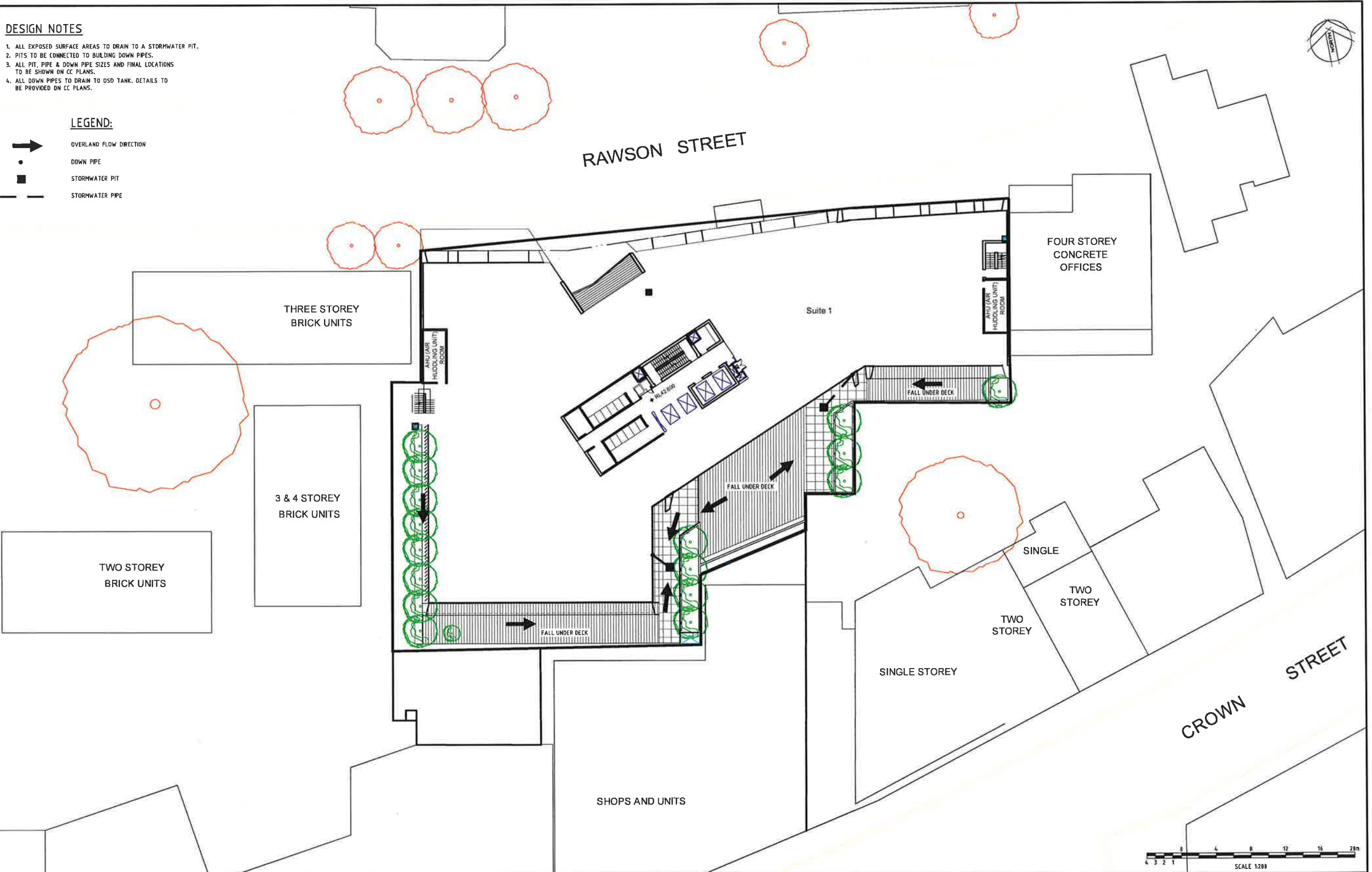
XREF's: x111063-01_Level_1_Base
CAD FILE: U:\2011\111-063-01 - RXT - Rawson ST TIA and Civic\Drawing\Build\1004 - Level 1 Drainage Concept Plan.dwg

DESIGN NOTES

1. ALL EXPOSED SURFACE AREAS TO DRAIN TO A STORMWATER PIT.
2. PITS TO BE CONNECTED TO BUILDING DOWN PIPES.
3. ALL PIT, PIPE & DOWN PIPE SIZES AND FINAL LOCATIONS TO BE SHOWN ON CC PLANS.
4. ALL DOWN PIPES TO DRAIN TO OSD TANK. DETAILS TO BE PROVIDED ON CC PLANS.

LEGEND:

- OVERLAND FLOW DIRECTION
• DOWN PIPE
■ STORMWATER PIT
— STORMWATER PIPE



SCALE 1:200

Rev	Date	Description	Des	Verif	Appr
2	13/09/11	UPDATE DRAINAGE ALONG RAWSON STREET	MAH	LJD	LJD

© Cardno Limited All Rights Reserved.
This document is produced by Cardno Limited solely for the benefit of and use by the client in accordance with the terms of the contract. Cardno Limited does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

Cardno
Shaping the Future
ABN 95 001 545 895
Level 1, 47 Boral Street, Wollongong, NSW Australia 2540
Phone: 041 21 4328 433 Fax: 041 21 4328 881
Email: info@cardno.com.au Web: www.cardno.com.au

Drawn	MAH	Date	25/10/2011
Checked	CJG	Date	27/06/2011
Designed	LJD	Date	27/06/2011
Verified	LJD	Date	27/06/2011
Approved	LJD	Date	27/06/2011

Client **CAVERSTOCK GROUP PTY LTD**
3 RAWSON STREET WOLLONGONG
LEVEL 1
DRAINAGE CONCEPT PLAN

Status			
FOR APPROVAL			
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
DATUM	REGISTER	Scale	Size
AHD	—	1:200	A1
Drawing Number			Revision
FR111063-01-1004			0