

Newcastle



# **CITY OF NEWCASTLE**

# PUBLIC VOICE COMMITTEE

Councillors,

In accordance with section 367 of the Local Government Act, 1993 notice is hereby given that a Public Voice Committee will be held on:

DATE: Tuesday 17 September 2019

- **TIME:** 5.30pm
- VENUE: Council Chambers 2nd Floor City Hall 290 King Street Newcastle NSW 2300

J Bath Chief Executive Officer

### City Administration Centre 282 King Street NEWCASTLE NSW 2300

Tuesday 10 September 2019

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## PUBLIC VOICE COMMITTEE 17 September 2019

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#### PUBLIC VOICE SESSIONS

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	RESIDENTIAL ACCOMMODATION (MULTI-UNIT), DEMOLITION	
	AND STRATA SUBDIVISION	

Public Voice Committee Meeting 17 September 2019

#### PUBLIC VOICE SESSIONS

ITEM-1	PV 17/09/19 - DA2019/00058 - 131 MARSHALL STREET KOTARA - RESIDENTIAL ACCOMMODATION (MULTI- UNIT), DEMOLITION AND STRATA SUBDIVISION
APPLICANT: OWNER: REPORT BY: CONTACT:	CC & JD INVESTMENTS PTY LTD CC & JD INVESTMENTS PTY LTD GOVERNANCE DIRECTOR GOVERNANCE/ MANAGER REGULATORY, PLANNING AND ASSESSMENT

#### BACKGROUND

An application has been received seeking consent to demolish а dwelling house associated and structures, construction of nine x twostorey townhouses. associated retaining walls earthworks, and landscaping, lot consolidation and strata subdivision.

A copy of the submitted plans for the proposed development is appended at **Attachment A**.

The application will be referred to the Development Applications Committee for determination, due to the number of objections received.



Subject Land: 131 Marshall Street Kotara

The application was publicly notified in accordance with City of Newcastle's (CN) public participation policy, with 39 submissions being received.

The concerns raised by the objectors in respect of the proposed development are broad in nature, as described below

#### 1.0 THE SITE

The site is located at 131 Marshall Street Kotara and is legally described as Lots A and B in Deposited Plan 402667. The land is regular in shape, with a combined area of 2,398m<sup>2</sup> and a 30m wide frontage to Marshall Street.

A 5m high acoustic barrier fence is located at the rear of the site (eastern boundary) to minimise impacts from Charlestown Road, Inner City Bypass. A 6m wide easement crosses the site in a north to south direction across the two lots, following

### CITY OF NEWCASTLE

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a drainage path. The front and rear portions of the site fall toward the drainage path, which itself generally falls from the south side to the north side of the land.

The site is located within a mine subsidence district, though it is not affected by any subsidence restrictions. The site is not identified as being flood prone, however, a localised flood impact study has been undertaken to calculate the water flows through the drainage easement.

### 2.0 THE PROPOSAL

The applicant seeks consent for the demolition of the dwelling and associated structures on the site, construction of nine x two-storey townhouses, associated retaining walls and earthworks, landscaping, lot consolidation and strata subdivision. A bridge is proposed to connect four dwellings at the rear of the site to the front of the site, with five dwellings proposed for the front portion of the site.

A copy of the submitted plans is included at **Attachment A**. The various steps in the processing of the application to date are outlined in the Processing Chronology attached at **Attachment B**.

### 3.0 PUBLIC NOTIFICATION

The application was publicly notified in accordance with CN's public participation policy. The notification period was extended due to the Christmas holiday period and included properties located within the Lake Macquarie Local Government Area. Thirty-nine submissions have been received.

The concerns raised by the objectors in respect of the proposed development are summarised as follows:

#### a) Statutory and Policy Issues

- i) Zoning objectives
- ii) Permissibility

#### b) Amenity Issues

- i) Increased noise
- ii) Loss of view and outlook
- iii) Loss of privacy

#### c) Design and Aesthetic Issues

- i) Density and number of dwellings proposed
- ii) Bulk and scale
- iii) Building height
- iv) Character

#### d) Traffic and Parking Issues

- i) Increased demand for on street parking
- ii) Increased traffic within the street

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### e) Environmental

- i) Impact on existing stormwater and sewerage system
- ii) Water quality
- iii) Rubbish will fill the creek
- iv) Excessive water run off
- v) Tree removal
- vi) Potential for flooding
- vii) Design of bridge with central supporting structure will disturb the creek bed
- viii) The proposed construction will impact on noise and dust/air pollution

#### f) Miscellaneous

- i) Waste management
- ii) Garbage collection
- iii) Loss of property value

### 4.0 DEVELOPMENT OFFICER PLANNING ASSESSMENT

The submitted application has been assigned to Senior Development Officer, William Toose, for assessment.

The site of the proposed development is located within the R2 – Low Density Residential zone within the land use table of the Newcastle Local Environmental Plan 2012 (NLEP 2012). The development is permissible with development consent as multi dwelling housing, which is a type of residential accommodation.

The development results in a Floor Space Ratio (FSR) of 0.46:1 which is under the maximum FSR of 0.6:1 for the site.

Some parts of the development exceed the 8.5m building height development standard of NLEP 2012 by a maximum of 722mm (ie 8.5% variation), with these exceedances being limited to a small portion of the roof form for three of the proposed dwellings.

All significant trees located within close proximity to the drainage easement are proposed to be retained. A Biodiversity Assessment Report has been prepared to assess the impact of the development on listed threatened species, populations, ecological communities and their habitats. The results of the report concluded there was a negligible loss of native vegetation and no impact on any threatened species.

The design of the bridge is to be amended to be a single span structure with all supporting elements located outside the drainage easement, instead of having a central supporting structure within the easement.

### ATTACHMENTS

Public Voice Committee Meeting 17 September 2019

- Attachment A: Submitted Plans Under Separate Cover 131 Marshall Street Kotara
- Attachment B: Processing Chronology 131 Marshall Street Kotara

Attachment A Submitted Plans - Under Separate Cover - 131 Marshall Street Kotara

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Public Voice Committee Meeting 17 September 2019

#### Attachment B

THE CITY OF NEWCASTLE Report to Public Voice Committee Meeting on 17 September 2019



#### PROCESSING CHRONOLOGY

#### DA2019/00058 - 131 MARSHALL STREET KOTARA

- 18 January 2019 Development application submitted
- 22 January 2019 Public notification



## PUBLIC VOICE COMMITTEE MEETING

## 17 September 2019

## ATTACHMENTS DISTRIBUTED UNDER SEPARATE COVER

**REPORTS BY COUNCIL OFFICERS** 

Attachment A - PlansDA2019/00058 - 131 Marshall Street KotaraResidential accommodation (multi-unit), demolition<br/>and strata subdivision

## DISTRIBUTED UNDER SEPARATE COVER



# Dowling Kotara Development

129 - 131 Marshall St Kotara NSW

# Development Application

SYDNEY CENTRAL CDAST NEWCASTLE

# **Council Maps**



Height of Building - 8.5m



Land Zoning - R2 Low Density Residential



Floor Space Ratio - 0.6:1



Acid Sulphate - Class 5



## **Preliminary Summary** LEP

### SITE ZONE: R2 Low Density Residential

#### Objectives of zone 1

. To provide for the housing needs of the community within a low density residential environment.

· To enable other land uses that provide facilities or services to meet the day to day needs of residents.

. To accommodate a diversity of housing forms that respects the amenity, heritage and character of surrounding development and the quality of the environment.

#### 2 Permitted without consent

Environmental protection works; Home occupations

#### Permitted with consent 3

Boarding houses; Child care centres; Community facilities; Dwelling houses; Educational establishments; Emergency services facilities; Exhibition homes; Exhibition villages; Flood mitigation works; Group homes; Home-based child care; Hospitals; Neighbourhood shops; Recreation areas; Residential accommodation; Respite day care centres; Roads; Tourist and visitor accommodation

#### Prohibited 4

Any development not specified in item 2 or 3

PERMITTED SITE FSR: 0.6:1

ACHIEVED SITE FSR: 0.46:1

#### SITE HEIGHT LIMIT: 8.5m

**BUSHFIRE CONTROLS - Within Vegetation Buffer** 

#### 4.1A Exceptions to minimum lot sizes for certain residential development

(1) The objective of this clause is to encourage housing diversity without adversely impacting on residential amenity.

(2) This clause applies to development on land in the following zones:

(a) Zone R2 Low Density Residential,

(3) Development consent may be granted to a single development application for development to which this clause applies that is both of the following:

(a) the subdivision of land into 2 or more lots,

(b) the erection of an attached dwelling, a semi-detached dwelling or a dwelling house on each lot resulting from the subdivision that does not have an existing dwelling on it, if the size of each lot is equal to or greater than 200 square metres.

SITE AREA: 2.398m<sup>2</sup>

ALLOWABLE GFA: 1,438.8m<sup>2</sup>

TOTAL GFA: 1,113m<sup>2</sup>

MINIMUM LANDSCAPE: 30% 719m<sup>2</sup>

-DEEP SOIL: 15% 360m<sup>2</sup>

#### CAR PARKING

RESIDENTIAL ACCOMMODATION						
Attached Dwellings, Mutit Dwelling Housing, Residential Flat Buildings, Shop Top Housing	City wide (excluding Newcastle City Centre and Renewal Corridors): Minimum of 1 space per 1, 2 or 3 bedroom dwelling. Minimum 1 space for the first 5 dwellings plus 1 space for every 5 thereafter or part	Bike parking of 1 space per dwelling is required unless separate storage is provided (Council determine the required class of security) 1 space per 10 dwellings (Class 3) for visitors	1 space per 20 car spaces			

#### A. Frontage widths

#### Performance criteria

- Sites are wide enough to accommodate new development that respects the desired character of the surrounding area, the amenity of adjoining development and provides good internal site amenity
- Development in the R3, R4 or B4 zones does not result in isolated sites that have less than the minimum developable site frontage

Residential development Type	Site Frontage Width			
Zone	R2*	R3, R4 or B4		
Dual Occupancy /attached dwellings	12m	12m		
Multi-dwelling with basement car park	15m	15m		
Multi-dwelling row housing	18m	15m		
Residential Flat Building				

B. Front setbacks

#### Performance criteria

- Setbacks are consistent with the existing or intended local streetscape
- Garages and carports are integrated into a development and do not dominate the 2
- 3. Setbacks provide suitable space for site landscaping
- Setbacks provide suitable privacy and amenity for the building occupants

#### Acceptable Solutions

#### The following controls apply to all forms of residential development

- Compliance with the locality specific controls in section 6 of this DCP. Where there are no locality specific controls front setbacks are:
- (a) In established areas the proposed building is setback the average distance of buildings within 40m either side of the lot on the same primary road (see Figure 1). The setback on a corner lot (secondary road) is 2m.

(b) If there is no established building line, the front setback is:

Road Type	Front Setback			
Zone	R2	R3, R4 or B4		
Primary road	4.5m	4.5 m		
Corner lot (secondary road)	2m 2m			
Classified road	As defined in any applicable Environmental Planning Instrument, or if none exists 9m.			

- Entries to a basement car park, garage or carport are setback at least 1m behind the front 2. building line. Where the building line is less than 4.5m, the entry to the basement car park, garage or carport is setback at least of 5.5m from the boundary with the road
- An articulation zone that extends 1.5m from the building line into the setback from the primary road may be provided where the setback from the primary road is 3m or greater. The articulation zone is a maximum 25% width of the lot at the building line. See **Figure 2**.

#### C. Side and rear setbacks

#### Performance criteria

- Development is consistent with and complements the desired built form prevailing in the street and local area
- Setbacks maintain the amenity and privacy of public spaces and adjoining dwellings and 2. their private open space.
- 3 Significant views from adjoining properties are maintained
- Sufficient landscape and deep soil areas are provided around the development to conserve existing trees and to accommodate intensive new landscaping

#### Acceptable solutions

#### The following controls apply to all forms of residential development

- 1. Compliance with the locality specific controls in section 6 of the DCP. Where there are no locality specific controls, side and rear setbacks are
  - (a) In the R2 Low Density Residential Zone:
    - Side setbacks are a minimum of 900mm from each boundary up to a height of 4.5m, then at an angle of 4:1 up to the maximum permitted height unde Newcastle Local Environmental Plan 2012 (see Figure 3).
    - Rear setbacks are a minimum of 3m for walls up to 4.5m in height and 6m for walls greater than 4.5m height.

**Dowling Kotara Development** 



129 -131 Marshall St Kotara Kotara, NSW 2289

#### Figure 3: Side setbacks in the R2 Low Density Residential Zone



#### D. Landscaped Area

The following controls apply to all forms of residential development

1. Landscaped areas are provided as follows

Zone	Minimum landscaped area (% of site area)	Minimum deep soil zone (% of site area)
R2 zone	30%	15%
R2 zone - Moderate Growth Precinct	25%	12%
R3 zone	25%	12%
R4 and B4 zones	20%	10%

- 2. Landscaped areas have a minimum width of 1.5m and the following items are excluded from the landscaped area calculation
  - (a) paving wider than 1m, impervious or otherwise
  - (b) structures such as air conditioning units, awnings, decks, patios, garden sheds, hot water systems, LPG storage tanks, water tanks and the like.
- 3. A minimum 25% of the front setback is landscaped area.
- 4. A minimum 3m wide landscaped area is located along the rear boundary
- 5. Landscaped areas are distributed throughout the site and incorporated into both private open
- Landscaped areas take advantage of existing site conditions and respond to significant site features such as:
- (a) significant landscape features including existing trees
- (b) change of levels
- (c) views.
- One large tree or two medium sized trees are provided for every 90m<sup>2</sup> of landscaped area.
- A medium sized tree with a minimum mature height of 5m is provided in the front setback. 8 where the setback is greater than 3m.
- Landscaping is consistent with Section 7.02 Landscape, Open Space and Visual Amenity of this DCP.

#### E. Private open space

#### Performance criteria

Private open space and balconies are located and sized to enhance residential amenity and

#### Acceptable solutions

#### The following controls apply to all residential flat buildings

- Compliance with the standards for 'Private open space and balconies' in the Apartment Design Guide, for all residential flat buildings required to comply with that standard.
- 2. For residential flat buildings that are not required to comply with the Apartment Design Guide, each dwelling has
  - (a) A minimum area of private open space as follows

Dwelling size	Private Open Space
1 bedroom	8m <sup>2</sup>
2 + bedrooms	12m <sup>2</sup>
Ground floor dwellings	16m <sup>2</sup>

- (b) The minimum dimension of the included area is 2m, excluding any storage space.
- Primary private open space and balconies are located adjacent to living room, dining room or kitchen to extend the living space. (C)
- (d) 50% of the minimum required private open space is covered to provide shade and protection from rain
- (e) Balconies and terraces above ground floor level are orientated towards the street or rear of the site and not to a side boundary.

#### The following controls apply to all other forms of residential development

- Compliance with the standards for 'private open space' in State Environmental Planning Policy (Affordable Rental Housing) 2009 for all boarding houses.
- For all other residential development:
  - (a) All dwellings have at least 16m<sup>2</sup> private open space.
  - (b) The minimum dimension of the included area is 3m, excluding any storage space, rainwater tanks, air-conditioning units or other similar structures
  - Primary private open space and balconies are located adjacent to the living room, (C) dining room or kitchen
  - 50% of the minimum required private open space is covered to provide shade and



LEP & DCP Summary

# **BASIX CERTIFICATE TO GO HERE**



Dowling Kotara Development

18096 129 -131 Marshall St Kotara Kotara, NSW 2289











Dowling Kotara Development



Ground Floor Plan and the second sec







**Dowling Kotara Development** 

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Dowling Kotara Development <sup>rogeran</sup> 18096 129 -131 Marshall St Kotara Kotara, NSW 2289







01 <u>Marshall Street (West) El</u>evation SCALE 1:250 @ A3

02 Rear (East) Elevation SCALE 1:250 @ A3



Dowling Kotara Development

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rify all dimensions on site, refer any

Elevations 1

E E 11.01.19

chlecture PTY LTD check and verify all ading with the work, do not scale draw

drawing # DA-201 AS SHOWN











Dowling Kotara Development







01 Internal Driveway North Elevation







**Dowling Kotara Development** 















Dowling Kotara Development





![](_page_20_Figure_0.jpeg)

![](_page_20_Picture_1.jpeg)

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<sup>poped®</sup> 18096 129 -131 Marshall St Kotara Kotara, NSW 2289

![](_page_20_Picture_5.jpeg)

![](_page_21_Picture_0.jpeg)

01 8.5m Height Plane SCALE 1:250 @ A3

![](_page_21_Picture_2.jpeg)

![](_page_21_Picture_3.jpeg)

![](_page_21_Picture_4.jpeg)

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![](_page_21_Picture_7.jpeg)

![](_page_21_Picture_9.jpeg)

![](_page_22_Picture_0.jpeg)

![](_page_22_Picture_1.jpeg)

FIXED LOUVRE SCREENING - DARK

![](_page_22_Picture_3.jpeg)

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![](_page_22_Picture_8.jpeg)

![](_page_23_Picture_0.jpeg)

![](_page_23_Picture_1.jpeg)

![](_page_23_Picture_2.jpeg)

![](_page_23_Picture_3.jpeg)

O3 View 3: Looking North from Southern Site

![](_page_23_Picture_5.jpeg)

Dowling Kotara Development

129 -131 Marshall St Kotara Kotara, NSW 2289

![](_page_23_Picture_8.jpeg)

![](_page_23_Picture_10.jpeg)

UNIT TYPE A.1 GLAZING SCHEDULE								
ID Number	Width	Height	View from Opening Side	Home Story	Location	Glazing Type/ Shading Features	U-Value	SHGC
W01	850	1,030	H	Ground Floor	Laundry	Shade Louvres over		
W02	1,810	1,200	TH FG	Ground Floor	Living	Shade hood over		
W03	1,810	1,200	FG TH	Ground Floor	Living	Shade hood over		
W04	850	2,050		First Floor	Bed 3			
W05	1,065	2,950	FG	First Floor	Stair	Shade hood over		
W06	1,065	2,950	FG	First Floor	Stair	Shade hood over		
W07	850	2,050	FG	First Floor	Living	Shade louvres over		
W08	610	1,030	TH	First Floor	Bed 2	Shade hood over		
W09	1,810	1,030	ĨĦ <b>Ĭ</b> ĒĞ	First Floor	Bed 2	Shade hood over		
W10	2,650	1,030	TH FG TH	First Floor	Master	Shade hood over		

UNIT TYPE A.2 GLAZING SCHEDULE									
ID Number	Width	Height	View from Opening Side	Home Story	Location	Glazing Type/ Shading Features	U-Value	SHGC	
W01	1,570	1,200	FG TH	Ground Floor	Living	Shade hood over			
W02	850	2,050		First Floor	Bed 3				
W03	1,570	2,050	FG TH FG	First Floor	Stair				
W04	1,570	1,030	TH FG	First Floor	Bed 3	Shade hood over			
W05	2,650	1,030	TH FG TH	First Floor	Master	Shade hood over			

![](_page_24_Picture_3.jpeg)

![](_page_24_Picture_5.jpeg)

![](_page_24_Picture_7.jpeg)

UNIT TYPE B.1 GLAZING SCHEDULE								
ID Number	Width	Height	View from Opening Side	Home Story	Location	Glazing Type/ Shading Features	U-Value	SHGC
W01	850	750	FG	Ground Floor	Stair	Shade hood over		
W02	850	2,400		Ground Floor	Living			
W03	1,810	2,500	(H /          /     /   /   / /   / / FG	Ground Floor	Dining	Shade hood over		
W04	850	2,050		Ground Floor	Kitchen			
W05	850	600	Ħ	Ground Floor	wc	Shade louvres over		
W06	850	1,460	H	First Floor	Study	Shade louvres over		
W07	850	2,100		First Floor	Stair	Shade hood over		
W08	1,810	1,030	¥H ₽G	First Floor	Living			
W09	1,810	1,030	FG	First Floor	Bathroom	Shade hood over		
W10	850	1,030	TH	First Floor	Bathroom	Shade hood over		

UNIT TYPE B.1 GLAZING SCHEDULE									
ID Number	Width	Height	View from Opening Side	Home Story	Location	Glazing Type/ Shading Features	U-Value	SHGC	
W11	1,810	1,030	TH FG	First Floor	Bed 2				
W12	1,210	600	FG KH	First Floor	Bed 2				
W13	850	2,050	FG	First Floor	Bed 3	Shade louvres over			
W14	850	2,050	FG	First Floor	Walk in robe to master				
W15	1,210	600	FG	First Floor	Ensuite to master				
W16	2,170	1,030	TH JFG TH	First Floor	Master				

![](_page_25_Picture_2.jpeg)

![](_page_25_Picture_4.jpeg)

![](_page_25_Picture_7.jpeg)

#### PLANFORM 1 (A3)

![](_page_26_Figure_3.jpeg)

## FLOOR PLAN - GROUND LEVEL

 ALL DIMENSIONS AND AREAS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO COUNCIL APPROVAL, CONSTRUCTION, FINAL SURVEY AND REGISTRATION OF THE PLAN AT THE LAND REGISTRY SERVICES NSW.
 DESIGN POSITION AND DIMENSIONS FOR PROPOSED UNITS DERIVED FROM ISSUE A OF SITE AND FLOOR PLANS (SHEETS A-101 TO A-102 OF CKDS ARCHITECTURE DRAWING No. 18096, REVISION E, DATED 11/01/19)

PRELIMINARY ONLY

![](_page_27_Figure_4.jpeg)

![](_page_27_Figure_5.jpeg)

#### NOTE:

- 1. (CY) DENOTES COURTYARD
- 2. (D) DENOTES DECK
- 3. (P) DENOTES PATIO
- 4. THE STRATUM OF EACH COURTYARD IS LIMITED TO 3 METRES BELOW AND 5 METRES ABOVE THE UPPER SURFACE OF THE CONCRETE GROUND FLOOR LEVEL OF THE ADJOINING UNIT EXCEPT WHERE COVERED WITHIN THIS HEIGHT LIMIT.
- 5. THE STRATUM OF EACH PATIO IS LIMITED FROM ITS UPPER TILED FLOOR SURFACE TO 5 METRES ABOVE EXCEPT WHERE COVERED WITHIN THIS HEIGHT LIMIT.
- 6. THE STRATUM OF EACH DECK IS LIMITED FROM ITS UPPER TIMBER SURFACE TO 5 METRES ABOVE EXCEPT WHERE COVERED WITHIN THIS HEIGHT LIMIT.
- AREAS ARE APPROXIMATE ONLY AND FOR PURPOSES OF THE STRATA SCHEMES DEVELOPMENT ACT 2015. THEY SHOULD NOT BE USED FOR LEASING PURPOSES.

SURVEYOR		PLAN OF SUBDIVISION OF LOTS A & B IN DP402667	L.G.A.:	NEWCASTLE	Registered	
Name:	MARK NICHOLAS SCANLON		Locality:	KOTARA		SP
Date:	*****		Reduction Ratio	: 1:250		
Reference:	B1878SP		Lengths are in	metres		

(CY) 2 (D) (D) (D) (CY) PT 7 PT 8 PT 9 (CY) (175m²) (105m²) (146m²)  $\sim$ Total 247m² Total 177m² Total 218m<sup>2</sup> (P) (CY) (CY)

![](_page_27_Figure_16.jpeg)

# FLOOR PLAN - LEVEL ONE

 ALL DIMENSIONS AND AREAS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO COUNCIL APPROVAL, CONSTRUCTION, FINAL SURVEY AND REGISTRATION OF THE PLAN AT THE LAND REGISTRY SERVICES NSW.
 DESIGN POSITION AND DIMENSIONS FOR PROPOSED UNITS DERIVED FROM ISSUE A OF SITE AND FLOOR PLANS (SHEETS A-101 TO A-102 OF CKDS ARCHITECTURE DRAWING No. 18096, REVISION E, DATED 11/01/19)

PRELIMINARY ONLY

![](_page_28_Figure_4.jpeg)

![](_page_28_Figure_5.jpeg)

![](_page_28_Figure_6.jpeg)

![](_page_28_Figure_7.jpeg)

### NOTE:

1. AREAS ARE APPROXIMATE ONLY AND FOR PURPOSES OF THE STRATA SCHEMES DEVELOPMENT ACT 2015. THEY SHOULD NOT BE USED FOR LEASING PURPOSES.

SURVEYOR		PLAN OF SUBDIVISION OF LOTS A & B IN DP402667	L.G.A.:	NEWCASTLE	Registered	
Name:	MARK NICHOLAS SCANLON		Locality:	KOTARA		SP
Date:	*****		Reduction Ratio	:1:250		0.
Reference:	B1878SP		Lengths are in	metres		

![](_page_29_Figure_0.jpeg)

15TH SEPTEMBER 2015

![](_page_29_Picture_3.jpeg)

![](_page_30_Figure_0.jpeg)

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![](_page_30_Picture_3.jpeg)

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![](_page_31_Figure_0.jpeg)

	PIT SCHEDULE									
	PIT No.	SIZE	TYPE	SURFACE LEVEL S.L.	INVERT LEVEL I.L.					
	P1	600×600	GRATED PIT	86.80	86.20					
	P2	600×600	GRATED PIT	86.05	85.60					
	P3	600×600	GRATED PIT	84.30	82.50					
	Ρ4		NOT USED							
53996.	P5	600×600	GRATED PIT	83.75	83.15					
ΔΤΙνεί γ	P6	450×450	GRATED PIT	86.10	85.50					
	P7	450×450	GRATED PIT	85.30	84.70 (PIPE IL)					
	P8	450×450	GRATED PIT	84.50	84.00 (PIPE IL)					
	P9	450×450	GRATED PIT	83.25	82.70 (PIPE IL)					
	P10	450×450	GRATED PIT	86.20	85.60					
	P11	600×600	GRATED PIT	83.20	82.90 (PIPE IL)					
	P12	450×450	GRATED PIT	83.80	83.20 (PIPE IL)					
	P13	450x450	GRATED PIT	83.50	82.90 (PIPE IL)					
	P14	450×450	GRATED PIT	82.60	82.00 (PIPE IL)					

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![](_page_32_Figure_0.jpeg)

# STORMWATER PLAN SHEET 2

NPIPE	STORMWATER N 1. REFER TO D	<u>NOTES</u> RAWING CO4	
CAL	LEGEND		
		DENOTES STORMWATER PIPE	SETUDIT AND ALIGNMENT OF       ALL SETUDIT, DIMENSIONS         WALLS TO BOUNDARY TO       AND RL'S TO ARCHITECTS         ARCHITECTS DETAILS TYPICAL       SPECIFICATION & DETAILS
	83	DENOTES EXISTING CONTOUR	NOTE DETENTION TANK 1 - INTERNAL DIMENSION 2400×1500 SI REFER TO PLAN. II 80.40.
RE-USE PIPE FOR TOILETS AND LAUNDRIES TO HYDRAULIC ENGINEERS	\$ *	DENOTES EXISTING LEVELS	POLISHING CHAMBER SL REFER TO PLAN, IL 80.00. REFER TO DRAWING CO4 FOR DETAILS.
DETAILS TYPICAL	+ \$5.80	DENOTES DESIGN SPOT LEVELS	NOTE DETENTION TANK 2 - INTERNAL DIMENSION 2000×2000 SL REFER TO PLAN, IL 81.00.
ND portuge X	К1	DENOTES 120 HIGH KERB U.N.O.	POLISHING CHAMBER SL REFER TO PLAN, IL 80.00. REFER TO DRAWING CO4 FOR DETAILS.
A O L	RW1	DENOTES RETAINING WALL TO ARCH DETAILS	NOTE ALL DOWNPIPES FROM EACH UNIT TO CONNECT TO EACH UNITS SLIMLINE ABOVE GROUND WATER STORAGE TANK TYPICAL
	LRW	DENOTES LANDSCAPE RETAINING WALL TO ARCH DETAILS	NOTE DRIVEWAY GRADES TO CURRENT COUNCIL
	W1	DENOTES MASONRY WALL TO ARCH DETAILS	REQUIREMENTS. BUILDER TO CONFIRM GRADES PRIOR TO CONSTRUCTION OF DRIVEWAY
	RW1(u)	DENOTES RETAINING WALL UNDER PAVEMENT TO ARCHITECTS DETAILS	NOTE VEHICLE BARRIERS TO BE PROVIDED IN ACCORDANCE WITH BCA AND AUSTRALIAN
	DEB	DENOTES DROPPED EDGE BEAM TO BUILDING SLAB OR PAVEMENT	STANDARDS TYPICAL
с с Ш		DENOTES DIRECTION OF SURFACE FLOWS	$\frac{\text{AREA CALCULATIONS}}{\text{TOTAL SITE AREA} = 2398 \text{m}^2$
		DENOTES 600x600 MANHOLE PIT LID	SITE STORAGE REQUIREMENTS SITE STORAGE REQUIRED = 30m <sup>3</sup> (TABLE (B.5.2 DCP50)
A A A A A A		DENOTES SCOUR PROTECTION	DRAW DOWN PROPOSE TO STORE ROOF RAINWATER IN UNDERGROUND TANK
		DENOTES 4000 LITRE WATER STORAGE TANK LOCATED UNDER RAISED DECK, STORING ROOF RAINWATER TO MANUFACTURERS SPECIFICATION. TANK SHALL BE FITTED WITH A FIRST	IN TOILETS AND LAUNDRIES. MAIN DRAW DOWN: 9/3 BEDROOMS - 2.3m <sup>3</sup> TOTAL DRAW DOWN - 20.7m <sup>3</sup> DRIVEWAY TOTAL AREA - 450m <sup>2</sup>
		TOILETS AND LAUNDRIES AND A DIVERSION SWITCH TO MAINS SUPPLY ON TANK BEING EMPTY	SITE DISCHARGE CONTROLS
		BACK FLOW PREVENTION TO MAINS WATER SHALL BE PROVIDED. TANK TO OVERFLOW TO STORMWATER SYSTEM.	PROVIDE 1 x 4000 LITRE ABOVE GROUND WATER STORAGE TA WITH 3m <sup>3</sup> USE AS RE-USE. PROVIDE ADDITIONAL IN-GROUND RETENTION TANK WITH CAPAC
	O <sup>\$P</sup>	DENOTES 600¢ REINFORCED BORED PIER TO BE FOUNDED INTO NATURAL GROUND, TBC BY GEOTECHNICAL ENGINEER AT BULK EXCAVATION STAGE REFER TO DETAILS	LANDSCAPING FALL ALL PAVED AREAS TO GRASSED OR LANDSCAPED AREA
		DENOTES 250 MIN THICK	OVERFLOW PROVIDE HIGH LEVEL OVERFLOW FROM STORMWATER SYSTEM
NORTH		B/WAYS T&B, THROUGHOUT UNLESS NOTED OR DETAILED OTHERWISE	NOT FOR CONSTRUCT
		DRIVEWAY	
7050     2000       2.8%     12.5%	6340 23.6%	5220     2000       24%     12.5%	5100     2000     4000       6     5.9%     12.5%     6.25
RAL			
86.05 = 85.80			
		_84.30	
		83.05	82 50 82 25
			<u> </u>

![](_page_32_Picture_3.jpeg)

FULL SIZE O

EVELOPMENT A	T:	DC	NOT SCALE	DRAWING	
)P 402667.		DRAWN	ENGINEER DM	No in SET	SHEET
		L'UL	F.M.	IZ	AI
SHALL SIREEI,		SCALES	JOB No	DRAWING No	ISSUE
		1:100	190172	C05	2
ON ORIGINAL 0 1 2	3 4	5 6 7 8	3 9 10 1	1 12 13 1	4 15 cm

![](_page_32_Figure_7.jpeg)

# JCTION

SYSTEM DISCHARGING TO THE KERB.

PED AREAS.

DRAGE TANK FOR RE-USE PER UNIT TH CAPACITY OF 12.0m<sup>3</sup>. CHAMBER WITH AREA OF 4.0m<sup>2</sup>.

PIT SCHEDULE.

IND TANKS AND RE-USE

NOTE MPC CONSULTING ENGINEERS CAN CONFIRM CHITECTS THAT THE LOCATION AND DEPTH OF THE PROPOSED UNDERGROUND DETENTION TANKS DETAILS WILL NOT ADVERSELY AFFECT ANY NEW OR EXISTING BUILDING FOUNDATIONS WHEN THE TANK IS EMPTY TYPICAL NOTE BUILDER TO PROVIDE ADEQUATE SHORING IN ORDER TO MAINTAIN STABILITY OF EXISTING NEIGHBOURING STRUCTURES AND FENCES DURING EXCAVATION WORKS TYPICAL <u>NOTE</u> PROVIDE EXTRA SLEEPERS UNDER BOUNDARY FENCE TO RETAIN SOIL AS REQUIRED (400 MAX RETAINING) TYPICAL NOTE ALL STRIP DRAINS AND AG LINES BEHIND RETAINING WALLS (RW1) AND KERBS (K1) TO CONNECT TO STORMWATER SYSTEM TYPICAL <u>NOTE</u> REFER TO DRAWING CO3 FOR

![](_page_33_Figure_0.jpeg)

EVELOPMENT AT.						D	O NC	DT S	<b>SCAI</b>	.E C	RAV	VING			
DP 402667,			DRAW	/N		ENGI	NEER		N	o in SE	T	1	SHEET		
		C.H.			P.M	•		1	2			A1			
SHALL STR	EEI,			SCAL	ES		JOB	No		DI	DRAWING No			ISSUE	
				1:20			19(	017	2	0	06			2	
N ORIGINAL O	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15 d	cm

![](_page_34_Figure_0.jpeg)

DATE

DATE OF RELEASE

RESPONSIBLE PRINCIPAL SIGNATURE

ISSUE

REASON FOR ISSUE

![](_page_34_Figure_1.jpeg)

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itained	Suite 3, Level 1, 16 Telford Street, NEWCASTLE EAST, NSW 2300		CLIENT	PROJECT PROPOSED UNIT DEVELOPMENT AT:	DC	D NOT SCALE	DRAWING	
nt of in whole		PO BOX 553 THE JUNCTION, NSW 2291 Tel: (02) 4927 5566		LOTS A AND B, DP 402667,	drawn <b>C.H.</b>	ENGINEER <b>P.M.</b>	No in SET <b>12</b>	SHEET A1
rmission titutes	VGINEERS	Fax: (02) 4927 5577 Email: admin@mpceng.com.au Web: www.mpcconsultingengineers.com.au A.C.N. 098 542 575 Fax: (02) 4927 5577 Email: admin@mpceng.com.au Web: www.mpcconsultingengineers.com.au SHEET 2		NO.129 – 131 MARSHALL STREET, KOTARA	scales 1:100	<sup>JOB</sup> № <b>190172</b>	DRAWING No	ISSUE <b>2</b>
				FULL SIZE ON ORIGINAL 0 1 2 3 4	5 6 7 8	8 9 10	11 12 13 1	4 15 cm

# MARSHALL STREET RESIDENTIAL DEVELOPMENT

# JANUARY 2019

![](_page_35_Picture_2.jpeg)

LOCATION MAP

# **Drawing Schedule**

Name	Drawing Number	Revision
Cover Sheet	L000	I
Landscape Plan	L101	I
Precedent Images	L201	G
Indicative Plant Schedule	L301	G

# Site Calculations

Item	Area
Total Site	2398m
Deep Soil Planting Zones	892m <sup>2</sup>

# **Council Guidelines**

City of Newcastle

-Newcastle City Council DCP 2012 7.02 Landscape, Open Space and Visual Amenity -Newcastle City Council Technical Manual Landscape 2015

![](_page_35_Picture_11.jpeg)

MARSHALL STREET RESIDENTIAL DEVELOPMENT 129-131 MARSHALL STREET, KOTARA NSW

1/28 Adelaide Street • PO Box 4400 • East Gosford • NSW 2250 • P: 02 4302 0477 • M: 0419 190 388 • ABN 12 129 231 269

# Site Description:

The subject site is located at Lots A & B (DP 402667) and the street address is 129-131 Marshall Street Kotara NSW.

The existing topography of the site is relatively steep with a cross fall from the approximate high point RL 88.19 located on the north-west corner to the approximate low point RL 79.81 located mid-site in a creek line with a fall of approximately 8.39 metres. The site rises again to the east to the approximate high point of RL 84.82.

A brick cottage occupies #131 Marshall street with a metal shed to the rear of the property and will be demolished as part of this proposal. Two mature Norfolk Island Pines are located mid-site and are to be retained and protected as a part of this proposal. Tall Shrubs, vegetation and lawn areas comprise #129 Marshall street and will be removed as a part of this proposal.

Local Context/Character:

The existing street character is predominantly single and double storey residential houses.

Marshall street has few existing street tree plantings and the street character is predominantly wide turf verges and existing vegetation occurs within the front garden areas of the residential lots and are predominantly exotic species.

The only apparent infrastructure services associated with the subject site are overhead powerlines located on the west side of Marshall Street. The subject site is located to close proximity to the Kotara commercial precinct, Kotara Railway Station and the Newcastle Inner City Bypass is located immediately to the east of the residential townhouses.

## **Proposed Development:**

The proposed development will include a two storey, 9 unit residential flat building. There is a driveway and bridge crossing that runs east-west throught the centre of the development.

There are private open space areas associated with this development and are as follows:

## Private Open Space:

Private open space terrace and courtyard areas have been provided for each of the units on site and are in accordance with the minimum area requirements with Council's DCP & NSW Planning & Environment.

- The landscape intent for these private open space terrace areas will include the following: Private terrace or courtyard areas for the each of the units that can be used for outdoor entertaining,
- Suitable screening between courtyard areas of each unit for privacy,
- Landscape buffer zone between the private open space terrace areas and any common open space areas for privacy

## Percentage

37%

![](_page_35_Picture_32.jpeg)

following:

- development

• Implementation of some indigenous species to encourage canopy corridor links and bio-diversity

- skin irritations

All proposed plant species selection has been considered in terms of soil types, species hardiness and on-going watering maintenance requirements. Predominantly low water use species (both native & exotic) have been grouped in regard to watering requirements and to reduce reliance on use of potable water.

# **Planting Design Strategy:**

The planting design strategy for this residential flat building development to include the

Tree planting within appropriate deep soil zones to reduce bulk & scale of the

Evergreen tree planting to provide shade & amenity

• Deciduous tree planting to allow for solar access & seasonal change

• A broad planting palette to include a variety native species & exotic species to provide colour, texture, aroma & form

With the proposed landscape design for this development we would implement the following safety planting initiatives:

 Avoid planting tree species that are prone to potential limb drop Avoid planting species close to paths and hard paved areas that are known for excessive

flower and foliage drop that may cause potential slip hazards • Avoid planting species that are known for invasive root structure that may cause damage

to existing infrastructure and damage paths & hard paved areas, which may cause potential trip hazards

• Avoid planting species that are known to be toxic or may cause respiratory, allergy and/or

Shrub species, sizing & locations are to ensure that passive surveillance is maintained at building, carpark & driveway entries path and all plantings are to be layered to with smaller groundcovers and shrubs adjacent to paths and buildings in accordance with Crime Prevention Through Environmental Design (CPTED) principles.

![](_page_36_Figure_0.jpeg)

![](_page_36_Picture_1.jpeg)

MARSHALL STREET RESIDENTIAL DEVELOPMENT 129-131 MARSHALL STREET, KOTARA NSW

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DRAWING NAME LANDSCAPE PLAN

![](_page_36_Picture_8.jpeg)

CLIENT J DOWLING PROJECT NO 18141 DRAWING NO L101 SCALE 1:100 @ B1

**REVISION** I **DATE** 17.01.19

0 1 2 3 4 5m

![](_page_36_Picture_13.jpeg)

![](_page_37_Picture_0.jpeg)

STEPPED PAVERS IN TURF AND MASS PLANTED GROUNDCOVERS

![](_page_37_Picture_2.jpeg)

![](_page_37_Picture_3.jpeg)

BIRD ATTRACTING FLOWERS

![](_page_37_Picture_5.jpeg)

INDIGENOUS SPECIES

![](_page_37_Picture_7.jpeg)

![](_page_37_Picture_8.jpeg)

**GRAVEL MULCH** 

![](_page_37_Picture_10.jpeg)

MARSHALL STREET RESIDENTIAL DEVELOPMENT 129-131 MARSHALL STREET, KOTARA NSW

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# DRAWING NAME PRECEDENT IMAGES

# DRY CREEK BED & NATIVE GRASSES

ALL SCREEN SHRUBS

![](_page_37_Picture_18.jpeg)

![](_page_37_Picture_19.jpeg)

![](_page_37_Picture_20.jpeg)

![](_page_37_Picture_21.jpeg)

![](_page_37_Picture_22.jpeg)

![](_page_37_Picture_23.jpeg)

![](_page_37_Picture_24.jpeg)

FOLD AWAY CLOTHES LINE

CLIENT J DOWLING PROJECT NO 18141 DRAWING NO L201 SCALE NA

**REVISION** G **DATE** 17.01.19

![](_page_37_Picture_29.jpeg)

Image	Botanical Name	Common Name	Mature Height (m.)	Mature Spread (m.)	Pot Size
Indigeno	us Canony Trees				
margeno	Angophera costata	Smoothed Barked Apple	15	10	751
01	Brachychiton acerifolius	Illawarra Elame Tree	15	5	751
01	Corvmbia gummifera	Red Blood Wood	15	10	751
	oorymbia gammiera		10	10	10L
Feature 7	Trees		-		
	Buckinghamia celsissima	Ivory Curl Flower	6	3	45L
	Ceratopetalum gummiferum	NSW Christmas Bush	6	1.5	45L
02	Elaeocarpus reticulatus	Blueberry Ash	10	5	75L
	Tibouchina 'Alstonville'	libouchina/Lisiandra	6	3	45L
03	Tristaniopsis 'Luscious'	Luscious Water Gum	8	5	75L
04	Waterhousia 'Sweeper'	Weeping Lilly Pilly	10	7	75L
Screenin	a Shrubs > 1.5m				
05	Brevnia cernua 'Ironstone Bange'	Coffee Bush	2	15	300mm
00	Metrosideros collina 'Fiji Fire'	Fiji Fire NZ Christmas Bush	15	1.5	300mm
	Photinia x fraseri 'Red Bobin'	Red Bobin Photinia	3	2	300mm
	Ranhiolenis indica 'Cosmic White'	Cosmic White Indian Hawthorn	1 7	15	300mm
06	Syziaium australe 'Pinnacle'	Pinnacle Marrow Lilly Pilly	7.5	1.5	300mm
00	Syzigiuini australe Finnacie	Fininacie Nanow Liny Filiy	7.5	1.5	30011111
Shrubs <	: 1.5m				
	Cordyline australis Çoral'	Red NZ Cabbage Tree	1.2	8	200mm
	Correa 'Canberra Bells'	Canberra Bells Correa	0.7	0.7	200mm
	Phormium 'Yellow Wave'	Yellow Wave NZ Flax	1.5	1.5	200mm
	Westringia 'Zena'	Zena Coastal Rosemary	0.9	0.9	200mm
Mass Pla	Inted Groundcovers				
08	Anigozanthus 'Ruby Velvet'	Ruby Velvet Kangaroo Paw	0.4	0.3	140mm
	Convolvulus cneorum	Silver Bush	0.5	1	140mm
09	Hardenbergia violacea 'Meema'	Meema Snake Vine	0.5	2	140mm
	Myoporum parvifolum Ýareena'	Yareena Creeping Boobialla	0.1	1	140mm
	Phormium tenax 'Bronze Baby'	Bronze Baby Flax	0.75	0.8	140mm
	Poa labillardieri 'Kingsdale'	Blue Tussock Grass	0.45	0.45	140mm
	Rhagodia spinescens 'Aussie Flat Bush'	Salt Bush	0.5	1	140mm
	der Planting				
10	Dianella caerulea 'l ittle Jess'	Little less Flax Lilv	0.4	0.4	140mm
10	Lirione muscari 'Isabella'	Isabella Fine Leaf Lirione	0.4	0.5	140mm
4.4	Linope muscan isabella		0.4	0.5	140mm
10	Viele bedereese	Lomanora Wingarra	0.4	0.0	140mm
13	VIOIA NEGERACEA	Nalive violet	0.1	0.3	14011111
Shade To	plerant Planting				
	Asplenium australasicum	Birds Nest Fern	1	1	140mm
14	Blechnum nudum	Fishbone Water Fern	0.7	0.5	140mm
	Doodia aspera	Rasp Fern	0.2	0.4	140mm
	Macrozamia communis	Burrawang	1	1.5	140mm
	Philodendron 'Xanadu'	Xanadu Dwarf Philodendron	0.8	0.8	140mm
	Pteris tremula	Tender Brake	1	0.8	140mm
Climbers	3				
15	Cissus antartica	Kangaroo Vine	6		140mm
16	Pandorea jasminoides	Bower of Beauty	5		140mm
	Pyrostegia venusta	Orange Trumpet Vine	10		140mm
Native G	rasses				
	Dianella revoluta	Blue Flax-lilv	0.4	0.4	75mm
	Ficinia nodosa	Knobby Club Rush	1	0.8	75mm
	Lomandra longifolia	Mat Rush	0.8	0.6	75mm
	Stipa sp.	Speargrass	1	1	75mm

![](_page_38_Picture_1.jpeg)

MARSHALL STREET RESIDENTIAL DEVELOPMENT 129-131 MARSHALL STREET, KOTARA NSW

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# Comments

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![](_page_38_Picture_7.jpeg)

![](_page_38_Picture_8.jpeg)

![](_page_38_Picture_9.jpeg)

![](_page_38_Picture_10.jpeg)

![](_page_38_Picture_11.jpeg)

![](_page_38_Picture_12.jpeg)

![](_page_38_Picture_13.jpeg)

![](_page_38_Picture_14.jpeg)

![](_page_38_Picture_15.jpeg)

![](_page_38_Picture_17.jpeg)

![](_page_38_Picture_18.jpeg)

![](_page_38_Picture_19.jpeg)

![](_page_38_Picture_20.jpeg)

![](_page_38_Picture_21.jpeg)

![](_page_38_Picture_22.jpeg)

![](_page_38_Picture_23.jpeg)

# INDICATIVE PLANTING SCHEDULE

CLIENT J DOWLING PROJECT NO 18141 DRAWING NO L301 SCALE NA

**REVISION** G **DATE** 17.01.19

![](_page_39_Figure_0.jpeg)

EVELOPMENT AT:							DO NOT SCALE DRAWING										
OP 402667, SHALL STREET,			DF	DRAWN C.H. SCALES		ENC P.I	ENGINEER P.M. JOB No		N (	No in SET 12 DRAWING No			SHEET A1 ISSUE				
			S			JOB											
						1:	100		19	017	2	T	01			0	
N ORIGINAL	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	cm

![](_page_40_Figure_0.jpeg)

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![](_page_40_Picture_2.jpeg)

EVELOPMENT AT:		DO NOT SCALE DRAWING								
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![](_page_41_Figure_0.jpeg)

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JRNING PATH ENTRY PLANS	No.129 - 131
IEET 3	KOTARA

![](_page_42_Figure_0.jpeg)

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![](_page_42_Picture_3.jpeg)

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![](_page_43_Figure_0.jpeg)

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![](_page_43_Picture_3.jpeg)

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			SCALES		JOB No		DRAWING No		ISSUE	
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N ORIGINAL 0 1	2 3	4	5 6	7 8	8 9	10	11 12	13 1	14 15	cm

![](_page_44_Figure_0.jpeg)

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JRNING PATH EXIT PLANS	No.129 - 13
HEET 3	KOTARA