PLEASURE POINT

ENTRY STATEMENT AND ENTRY ROAD

54 PLEASURE POINT ROAD HOLSWORTHY NSW

LANDSCAPE CONCEPT

29.08.2024

CLIENT REVIEW

ISSUE H

CLIENT:

HODGE DEVELOPMENT PTY LTD

LANDSCAPE ARCHITECT:

HABIT8
Landscape Architecture & Urbanism
SYDNEY (Gadigal country)
BYRON BAY (Bundjalung country)
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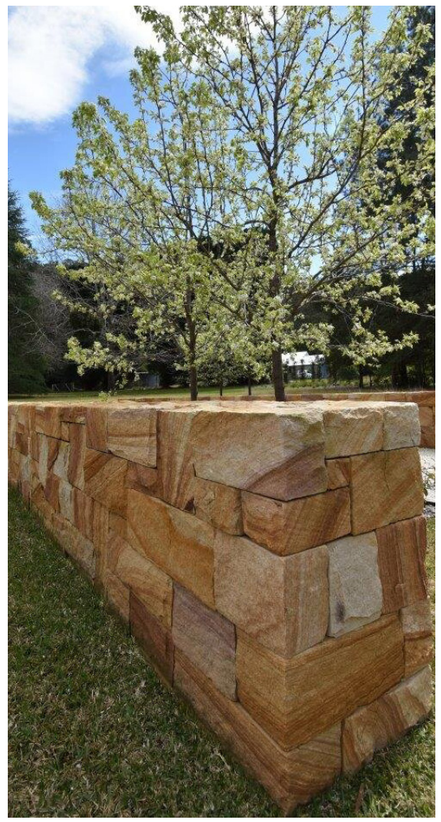


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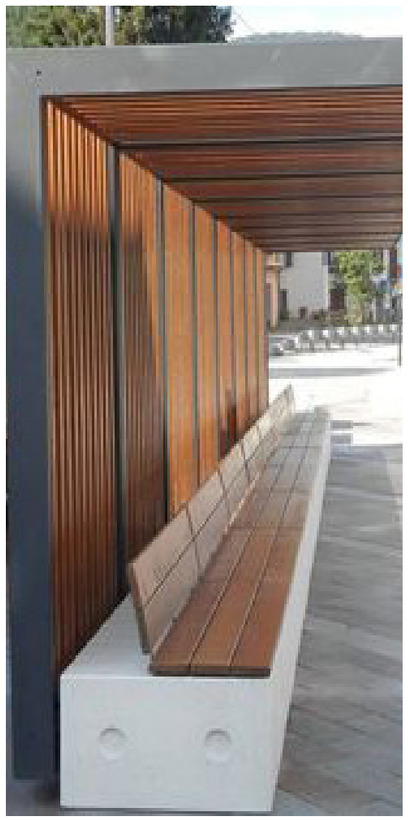
PRECEDENT IMAGES: ENTRY STATEMENTS

















ISSUE	DATE	PURPOSE
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B	07.05.24	CLIENT REVIEW
C	22.05.24	CLIENT REVIEW
D	07.06.24	CLIENT REVIEW
E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PRECEDENT IMAGES: ENTRY STATEMENT

SCALE
NTS

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PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L02	H

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PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD

LANDSCAPE PLAN

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW

DESIGN NOTES

1. NEW 1.5M FOOTPATH
2. NEW 2.5M SHARED PATH
3. NEW 2.5M CYCLE PATH
4. NEW DRIVE WAY LAYBACK
5. NEW 4M LEFT TURN LANE
6. NEW 2X 3.5M TRAFFIC LANE
7. NEW RAISED MEDIAN
8. EXISTING 2X 3.5M TRAFFICE LANE
9. 2M SHOULDER
10. SANDSTONE SIGNAGE WALL
11. SANDSTONE PLINTH WALL
12. FLAGPOLES
13. TIMBER WHARF POSTS
14. PLANTED EMBANKMENT
15. MOUND (WITH NATIVE GRASSES)
16. FEATURE PLANTING
17. 5X RELOCATED CREPE MYRTLE TREES
18. TURF VERGE

KEY

SITE BOUNDARY

PROPOSED TREE PLANTING

EXISTING TREES TO BE RETAINED

"WHARF" POSTS

RELOCATED FLAGPOLES

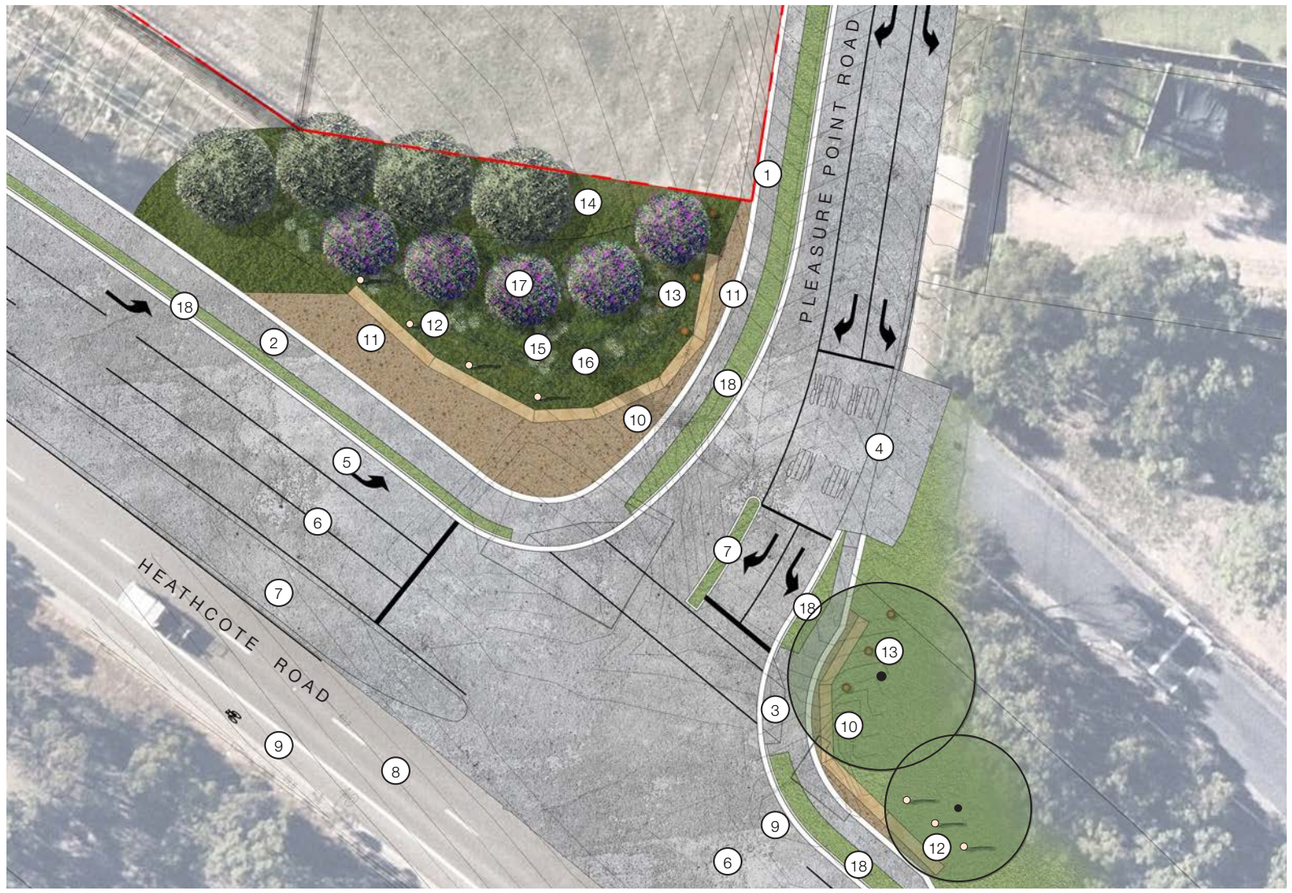
GARDEN BEDS

COMPACTED DECO-GRANITE SURFACE

TURF



KEYPLAN



01 LANDSCAPE PLAN
Scale 1:500@A3

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
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PROJECT
PLEASURE POINT ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PLEASURE POINT ENTRY STATEMENT:
HEATHCOTE ROAD
LANDSCAPE PLAN

SCALE
1:500 @ A3

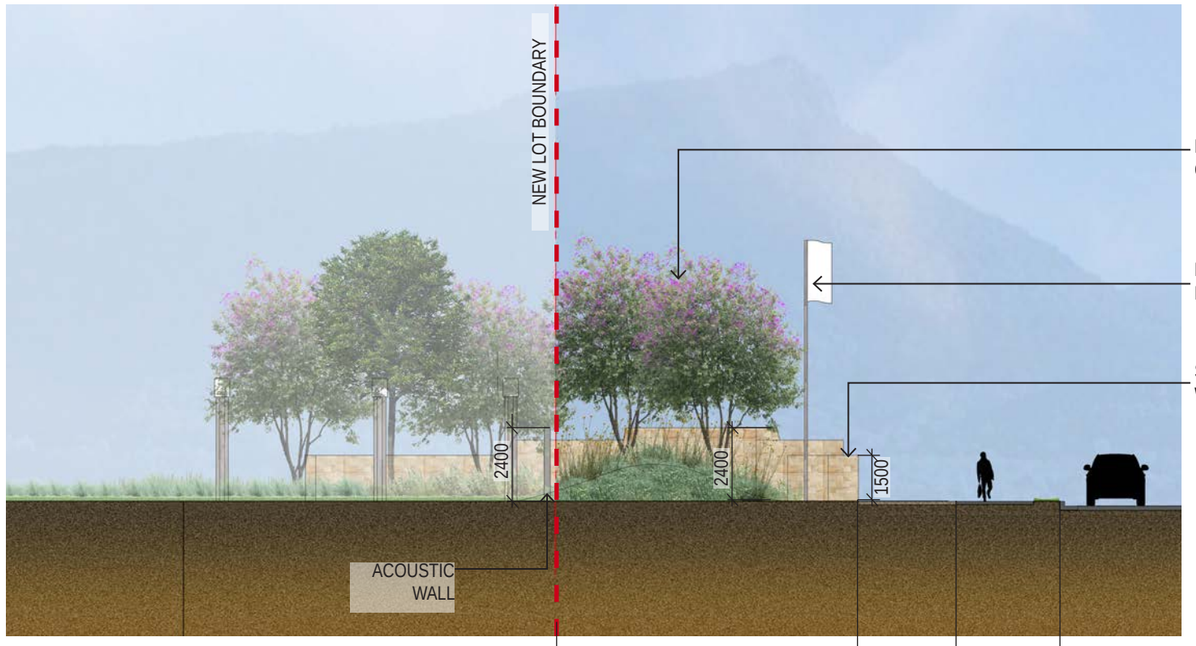
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DG / DF	DV	
PROJECT NO.	DRAWING NO.	REVISION
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LANDSCAPE ARCHITECT

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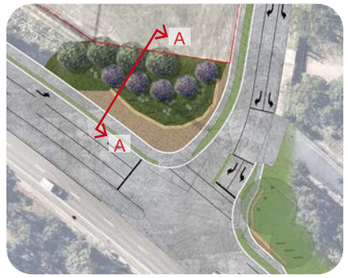
PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD (WEST)

SECTION A-A



01 **SECTION A-A**
Scale 1:200@A3

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
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PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT: HEATHCOTE ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PLEASURE POINT ENTRY STATEMENT:
HEATHCOTE ROAD (WEST)
SECTION A-A

SCALE
1:200 @ A3

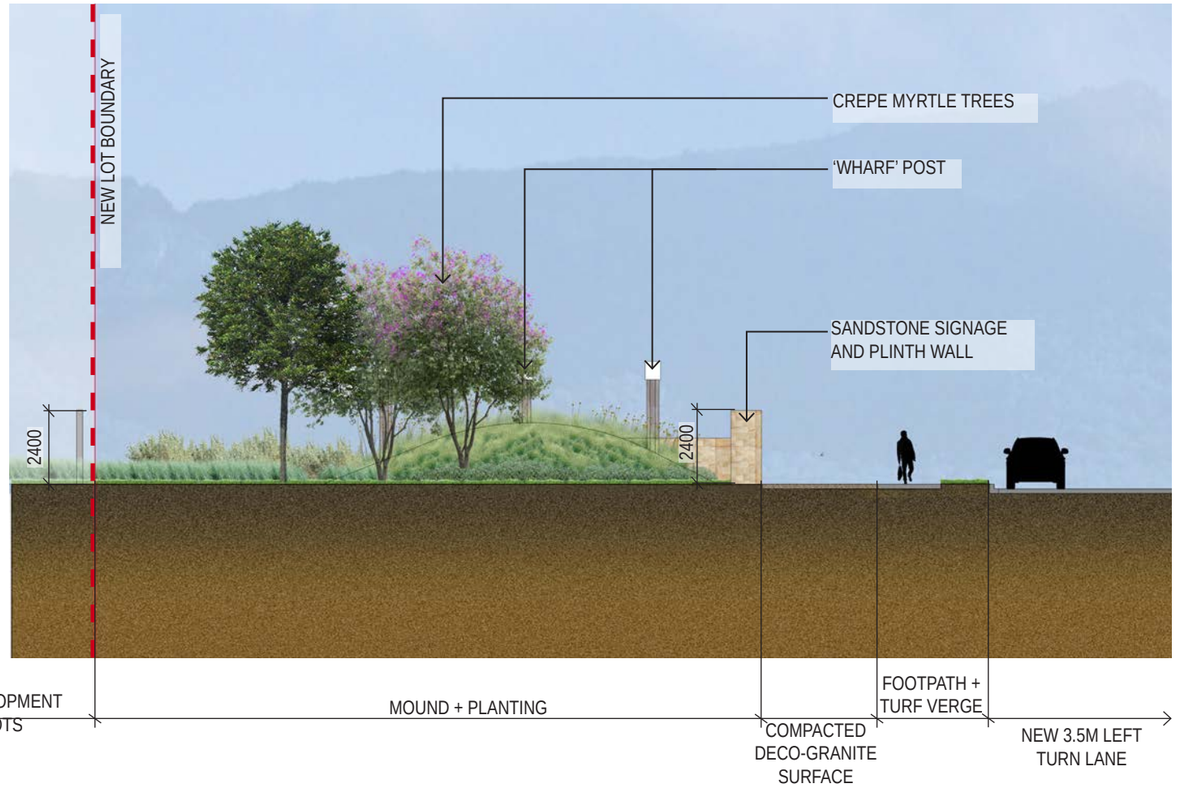
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DG / DF	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L04	H

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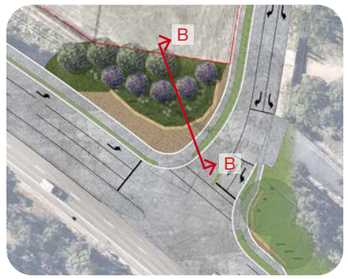
PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD (WEST)

SECTION B-B



01 **SECTION B-B**
Scale 1:200@A3

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
C	22.05.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
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PTY LTD

PROJECT
PLEASURE POINT
ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PLEASURE POINT ENTRY STATEMENT:
HEATHCOTE ROAD
SECTION B-B

SCALE
1:200 @ A3

DRAWN	CHECKED
DG / DF	DV

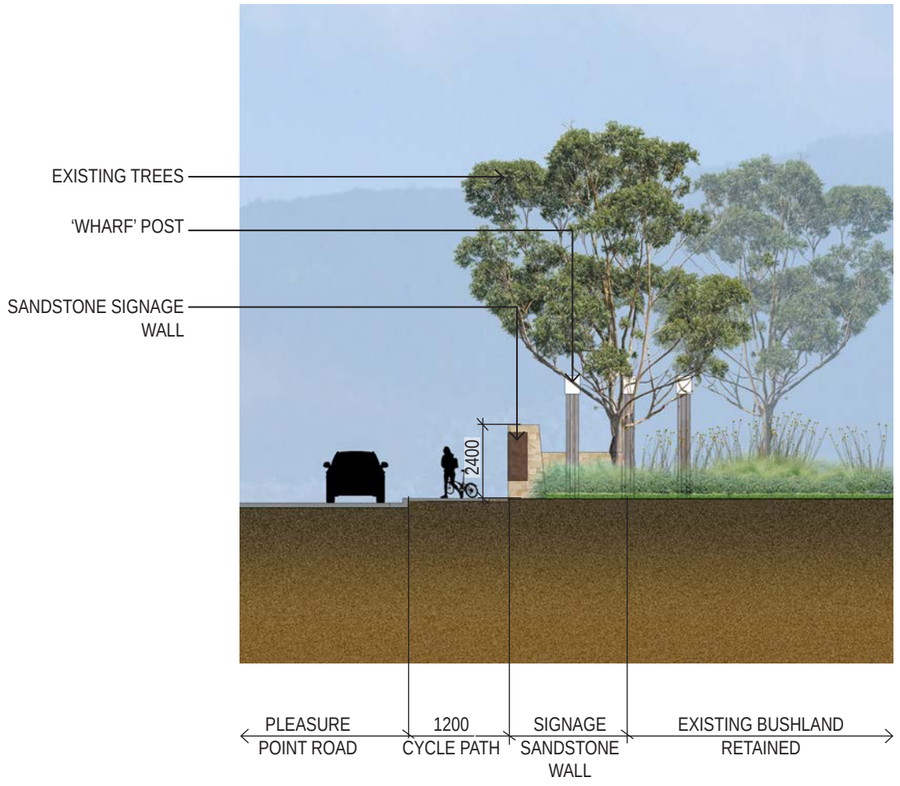
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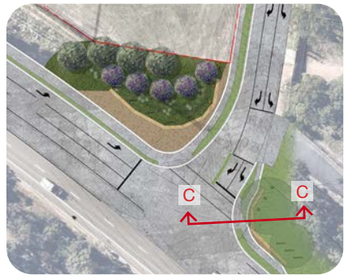
PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD

SECTION C-C



01 SECTION C-C
Scale 1:200@A3

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
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E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PLEASURE POINT ENTRY STATEMENT:
HEATHCOTE ROAD
SECTION C-C

SCALE
1:200 @ A3

DRAWN	CHECKED
DG / DF	DV

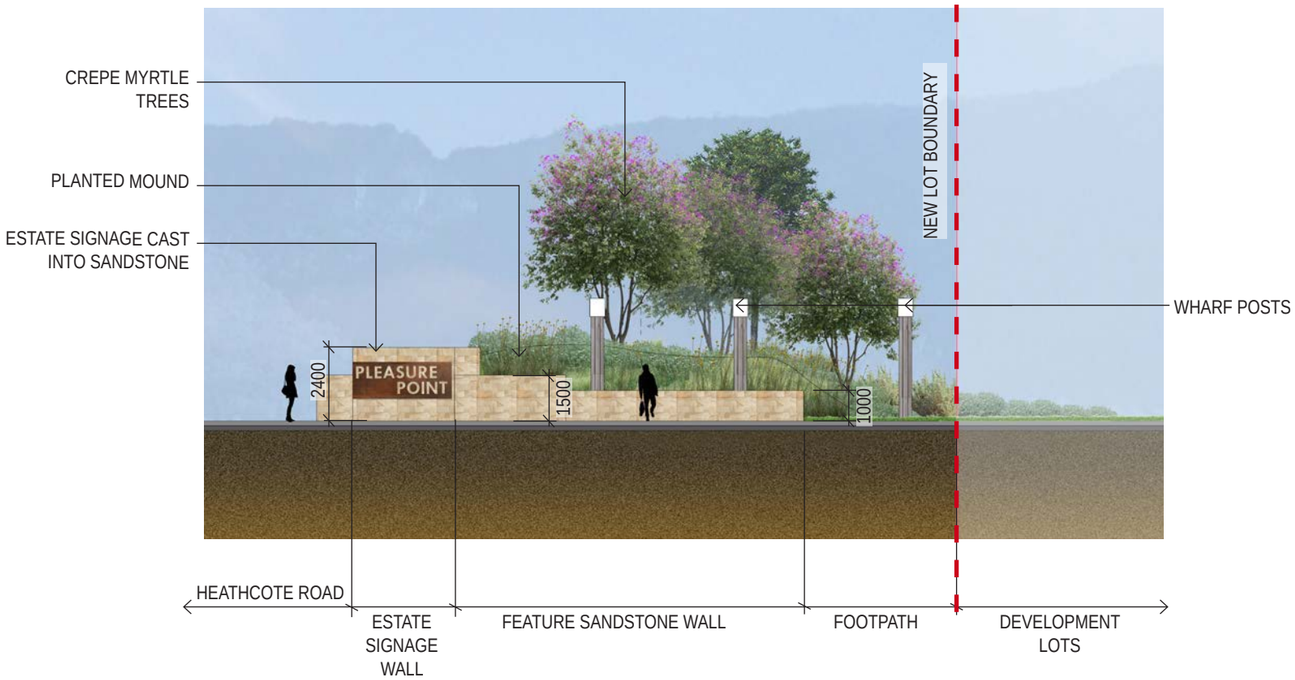
PROJECT NO.	DRAWING NO.	REVISION
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LANDSCAPE ARCHITECT

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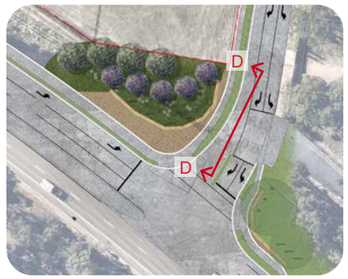
PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD

EASTERN ELEVATION



01 **EASTERN ELEVATION**
Scale 1:200@A3

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
PLEASURE POINT ENTRY STATEMENT:
HEATHCOTE ROAD
EASTERN ELEVATION

SCALE
1:200 @ A3

DRAWN	CHECKED	
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L07	H

LANDSCAPE ARCHITECT

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PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD (WEST)

ARTIST'S IMPRESSION 01



ISSUE	DATE	PURPOSE
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

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PTY LTD

PROJECT

PLEASURE POINT
ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION ENTRY STATEMENT :
HEATHCOTE (WEST)
ARTIST'S IMPRESSION 01

SCALE

NTS

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DG / DF	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L08	H

LANDSCAPE ARCHITECT

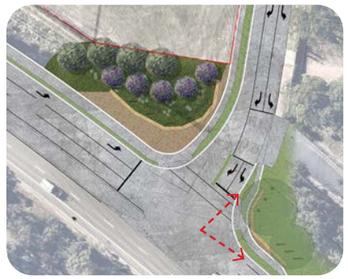
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PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD (EAST SIDE)

ARTIST'S IMPRESSION 02



ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE
DEVELOPMENT
PTY LTD

PROJECT

PLEASURE POINT
ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION ENTRY STATEMENT :
HEATHCOTE (EAST SIDE)
ARTIST'S IMPRESSION 02

SCALE

NTS

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LANDSCAPE ARCHITECT

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PLEASURE POINT ENTRY STATEMENT : HEATHCOTE ROAD

ARTIST'S IMPRESSION 03



ISSUE	DATE	PURPOSE
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E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION ENTRY STATEMENT : HEATHCOTE
ARTIST'S IMPRESSION 03

SCALE

NTS

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LANDSCAPE ARCHITECT

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SUBDIVISION : ENTRY ROAD PLAN

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
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D	07.06.24	CLIENT REVIEW
E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW

KEY

SITE BOUNDARY

PROPOSED STREET TREE PLANTING (EVERGREEN)

PROPOSED MEDIAN TREE PLANTING (EVERGREEN FEATURE FLOWERING)

PROPOSED FEATURE MEDIAN TREE PLANTING (EVERGREEN)

GARDEN BEDS

TURF

DECORATIVE PAVEMENT (EXPOSED AGGREGATE CONCRETE)

CONCRETE PAVEMENT

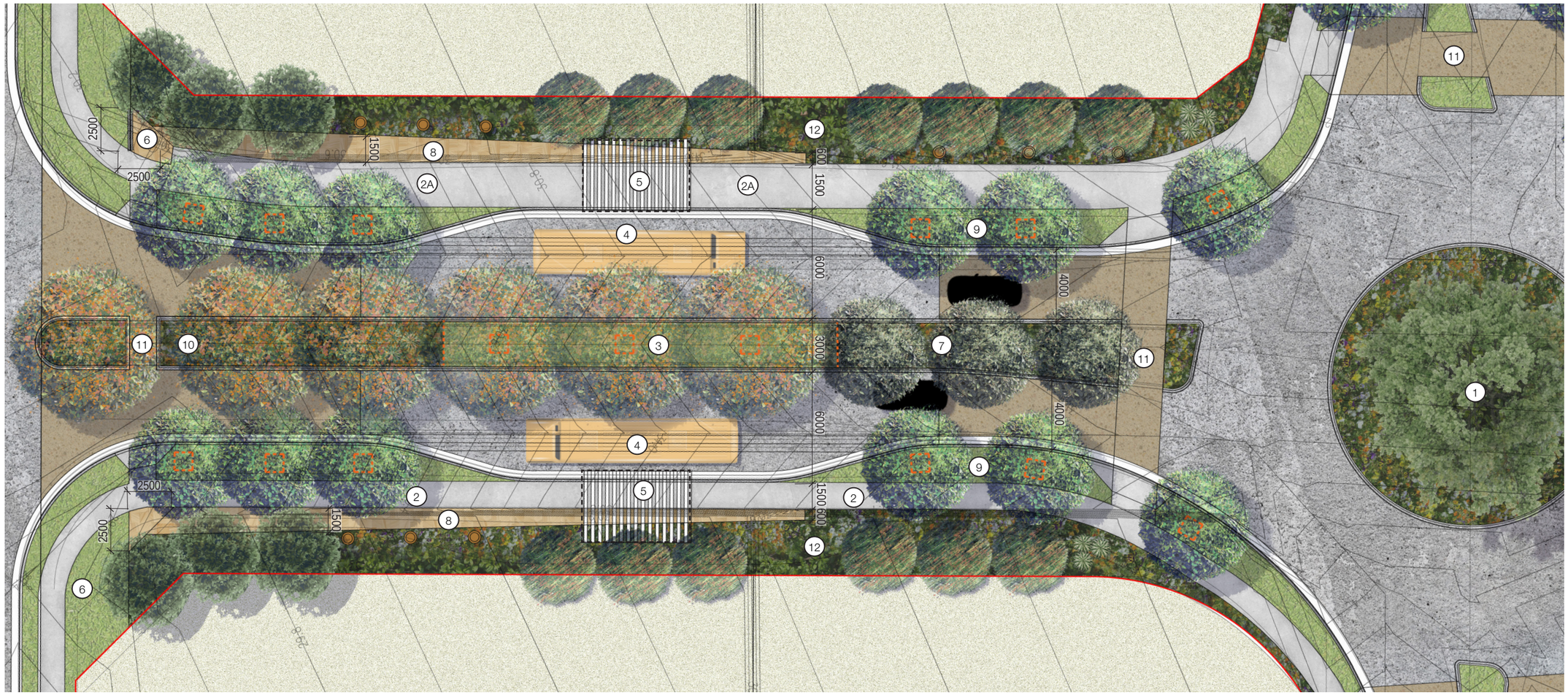
"WHARF" POSTS

DESIGN NOTES

1. ROUNDABOUT FEATURE TREE AND PLANTING
2. 1.5M FOOT PATH
2A. 2.5M FOOT PATH
3. FEATURE TREES IN CENTRAL TURF MEDIAN
4. BUS AREA
5. BUS SHELTER STRUCTURE (8M X 4M)
6. SANDSTONE COLUMN WITH SIGNAGE
7. EVERGREEN TREES IN PLANTED MEDIAN
8. SANDSTONE PLINTH WALL
9. FEATURE TREES
10. ENTRY FEATURE, COLOURFUL TREES IN GARDEN BED
11. PEDESTRIAN CROSSING
12. GARDEN BEDS WITH SCREEN PLANTING



KEYPLAN



01 SUBDIVISION ENTRY ROAD PLAN
Scale 1:250@A3

0 2.5 5 7.5 10 12.5m

SCALE 1:250 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
SUBDIVISION : ENTRY ROAD PLAN

SCALE
1:250 @ A3

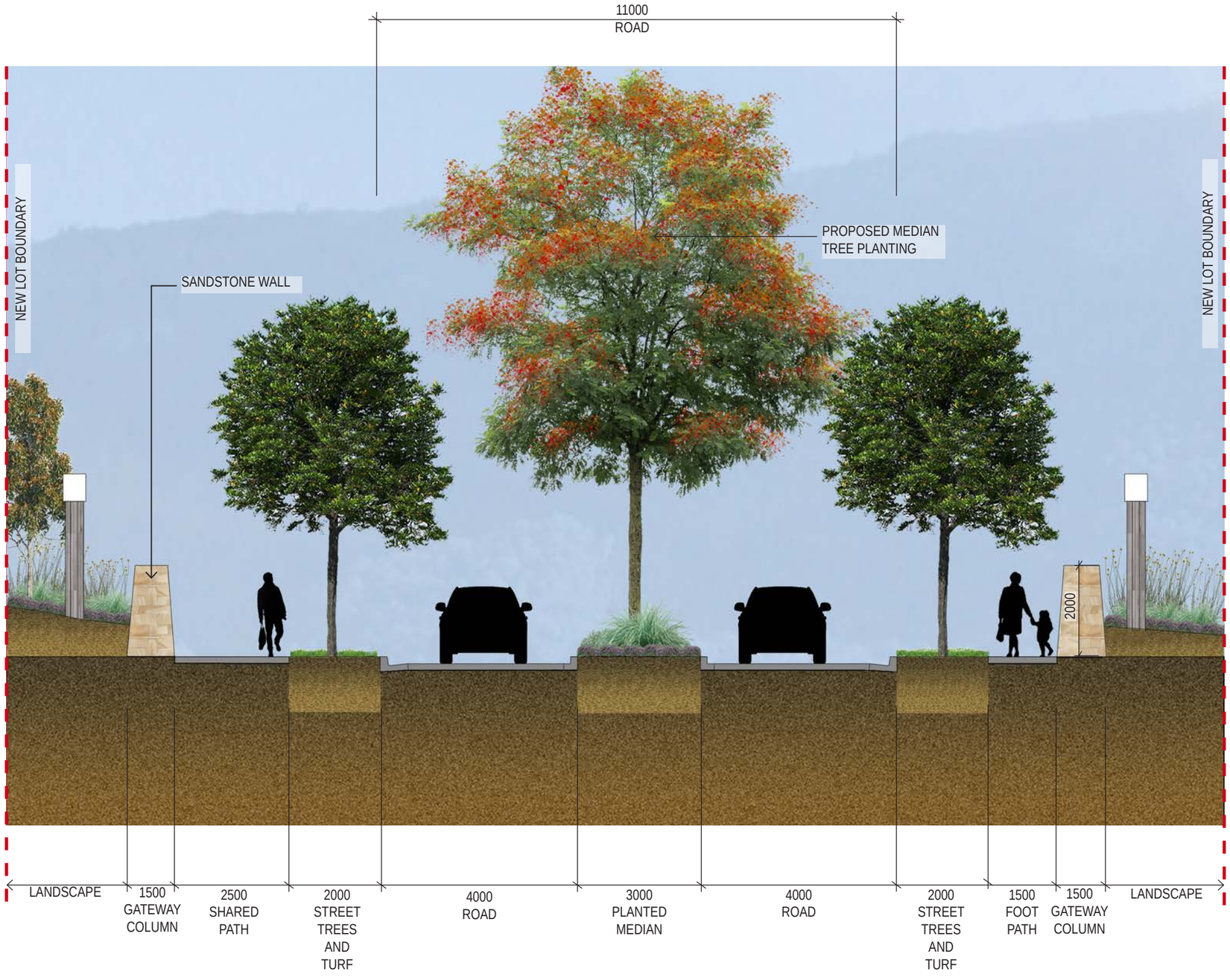
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 11	H

LANDSCAPE ARCHITECT

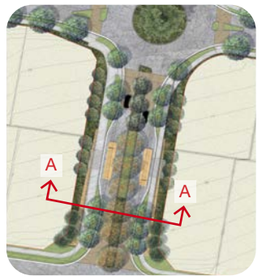
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SUBDIVISION : ENTRY ROAD

SECTION A-A



ISSUE	DATE	PURPOSE
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H	29.08.24	CLIENT REVIEW



KEYPLAN

0 1 2 3 4 5m

SCALE 1:100 AT A3

CLIENT

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PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION : ENTRY ROAD
SECTION A-A

SCALE
1:100 @ A3

DRAWN	CHECKED
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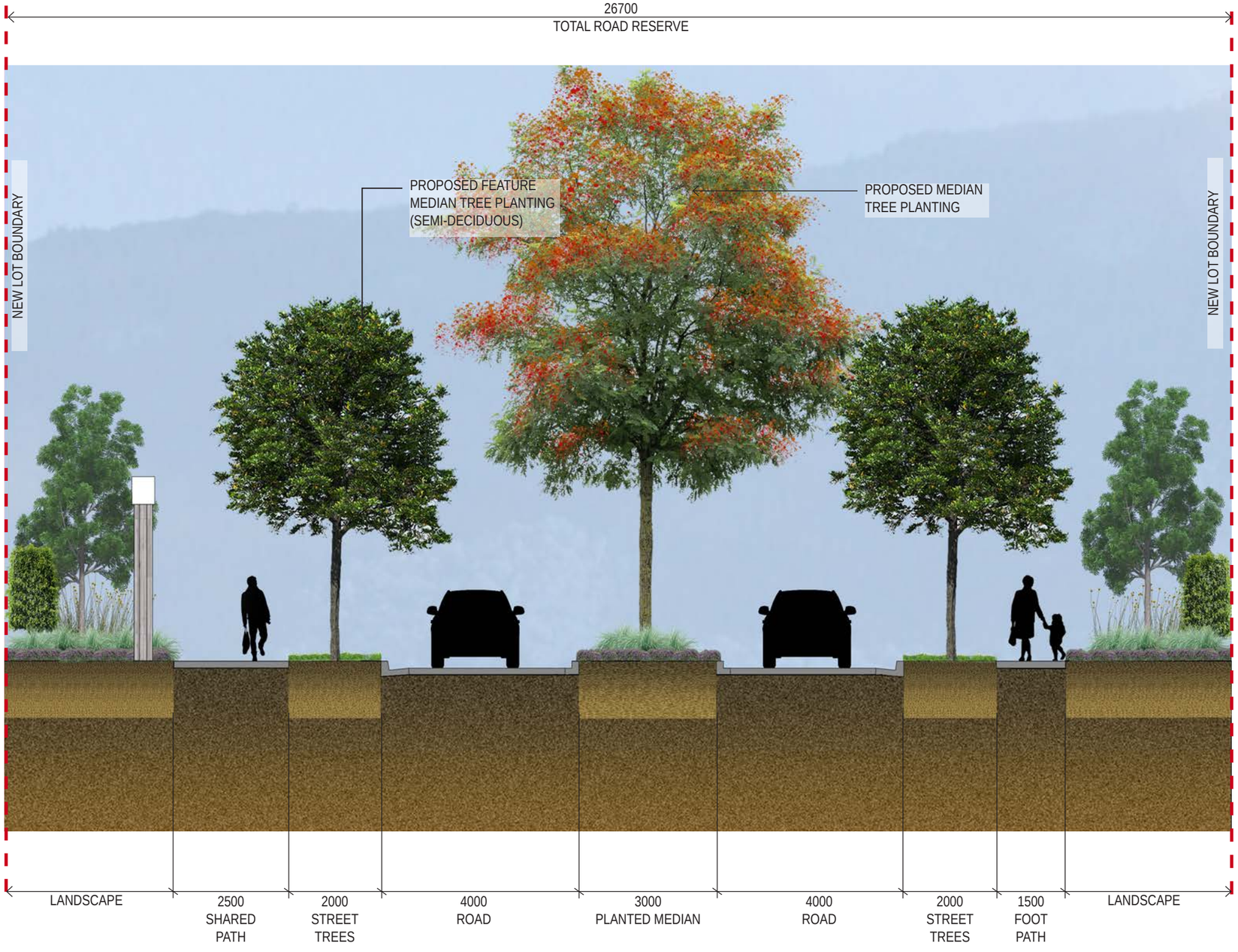
PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 12	H

LANDSCAPE ARCHITECT

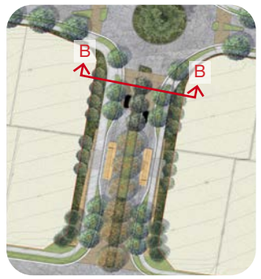
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SUBDIVISION : ENTRY ROAD

SECTION B-B



ISSUE	DATE	PURPOSE
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H	29.08.24	CLIENT REVIEW



KEYPLAN

0 1 2 3 4 5m

SCALE 1:100 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
SUBDIVISION : ENTRY ROAD
SECTION B-B

SCALE
1:100 @ A3

DRAWN	CHECKED
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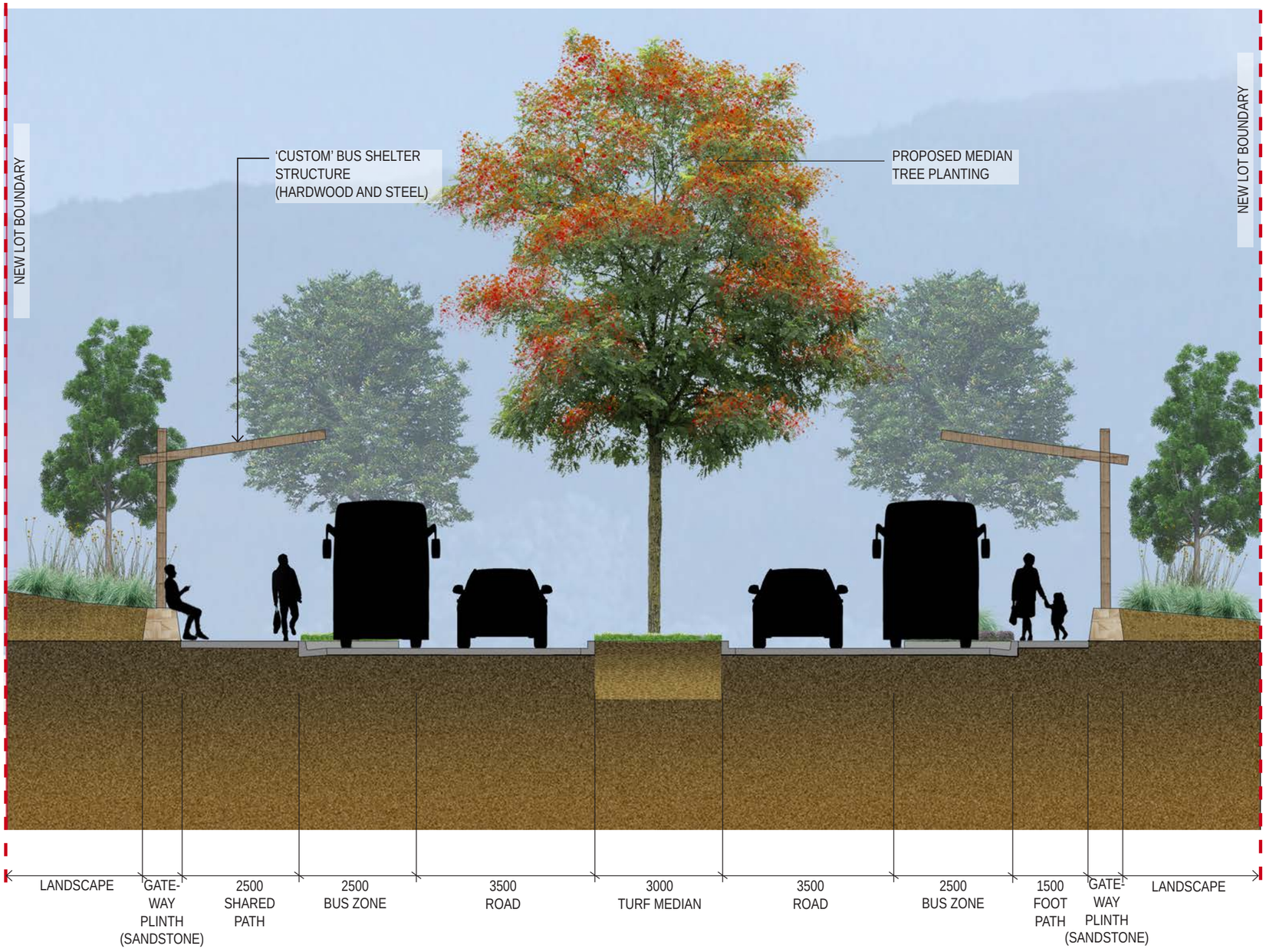
PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 13	H

LANDSCAPE ARCHITECT

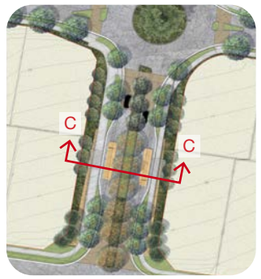
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SUBDIVISION : ENTRY ROAD

SECTION C-C



ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
C	22.05.24	CLIENT REVIEW
D	07.06.24	CLIENT REVIEW
E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

0 1 2 3 4 5m

SCALE 1:100 AT A3

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION : ENTRY ROAD
SECTION C-C

SCALE		
1:100 @ A3		
DRAWN	CHECKED	
DG / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 14	H

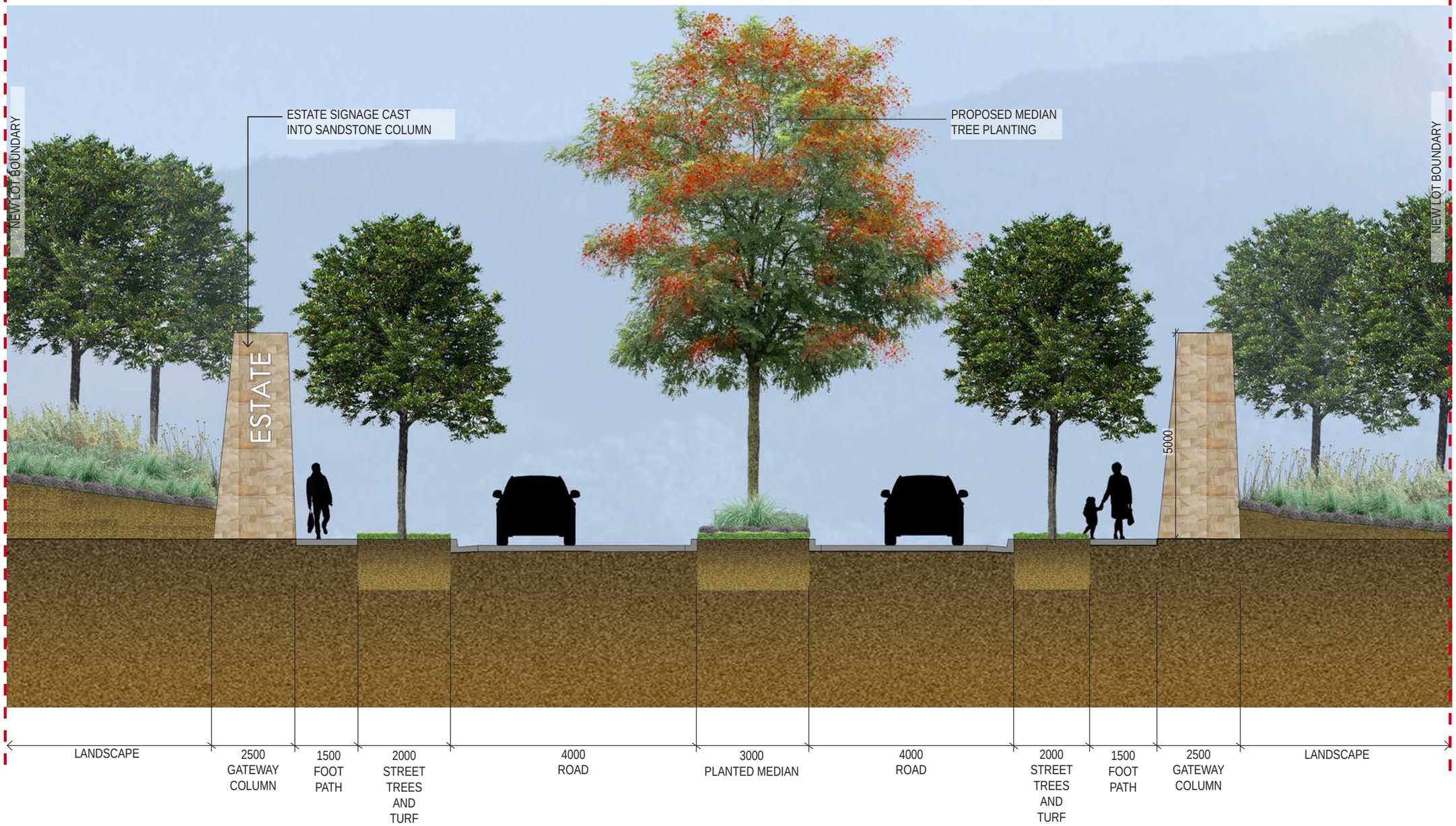
LANDSCAPE ARCHITECT

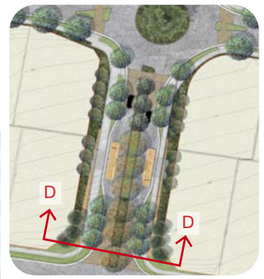
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SUBDIVISION : ENTRY ROAD

SECTION D-D

ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
C	22.05.24	CLIENT REVIEW
D	07.06.24	CLIENT REVIEW
E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW





KEYPLAN

0 1 2 3 4 5m

SCALE 1:100 AT A3

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

SUBDIVISION : ENTRY ROAD
SECTION D-D

SCALE
1:100 @ A3

DRAWN	CHECKED
DG / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 15	H

LANDSCAPE ARCHITECT

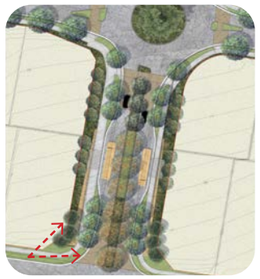
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PLEASURE POINT ENTRY ROAD

ARTIST'S IMPRESSION 01



ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
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E	07.06.24	CLIENT REVIEW
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G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

ENTRY ROAD
ARTIST'S IMPRESSION 01

SCALE

NTS

DRAWN	CHECKED
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 16	H

LANDSCAPE ARCHITECT

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PLEASURE POINT ENTRY ROAD

ARTIST'S IMPRESSION 02



ISSUE	DATE	PURPOSE
A	15.04.24	CLIENT REVIEW
B	07.05.24	CLIENT REVIEW
C	22.05.24	CLIENT REVIEW
D	07.06.24	CLIENT REVIEW
E	07.06.24	CLIENT REVIEW
F	11.06.24	CLIENT REVIEW
G	19.08.24	CLIENT REVIEW
H	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE
DEVELOPMENT
PTY LTD

PROJECT

PLEASURE POINT ENTRY STATEMENT/ ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

ENTRY ROAD
ARTIST'S IMPRESSION 02

SCALE
NTS

DRAWN	CHECKED
DG / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 17	H

LANDSCAPE ARCHITECT

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INDICATIVE PLANT PALETTE : ENTRY STATEMENT / ENTRY ROAD

PLANT IMAGERY

HEATHCOTE ROAD / PLEASURE POINT ROAD



Lagerstroemia indica
CREPE MYRTLE TREE

SUBDIVISION ROUNDABOUT



Magnolia grandiflora
BULL BAY



Ficus rubiginosa
RUSTY FIG

SUBDIVISION ENTRY TREES



Magnolia Exmouth
SOUTHERN MAGNOLIA

STREET TREES

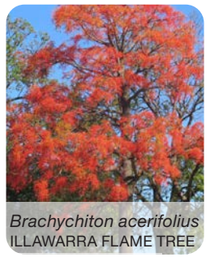


Flindersia australis
CROW'S ASH



Lophostemon confertus

MEDIAN TREES



Brachychiton acerifolius
ILLAWARRA FLAME TREE
SEMI-DECIDUOUS

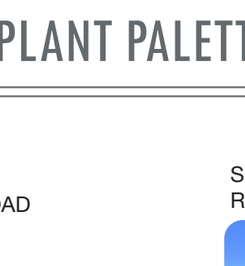


Eucalyptus ficifolia
SUMMER RED
EVERGREEN

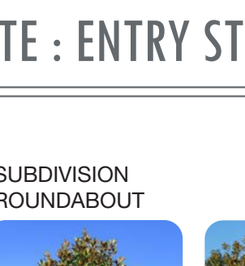
SHRUBS, GROUNDCOVERS & GRASSES



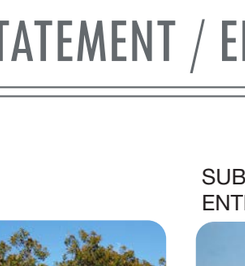
Callistemon viminalis 'Little John'



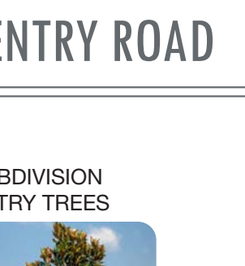
Callistemon viminalis 'White Anzac'



Correa alba
WHITE CORREA



Doryanthes excelsa
GYMEA LILY



Grevillea 'Poorinda Royal Mantle'



Hardenbergia violacea
FALSE SARSAPARILLA



Hibbertia empetrifolia
TRAILING GUINEA-FLOWER



Lomandra 'Tanika'
SPINY-HEAD MAT-RUSH



Poa labillardierei
TUSSOCK



Poa poiformis 'Kingsdale'
BLUE TUSSOCK GRASS

CLIMBERS & CASCADING PLANTS



Casuarina glauca 'Cousin It'



Ficus pumila
CLIMBING FIG



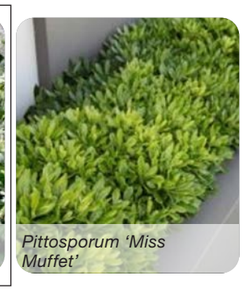
Dichondra argentea 'Silver Falls'



Hibbertia empetrifolia



Trachelospermum jasminoides



Pittosporum 'Miss Muffet'



Rhaphiolepis indica 'Snow Maiden'

PLANT LIST

**Exotic species*

	SPECIES	COMMON NAME	HEIGHT (M)	WIDTH (M)
TREES	*Lagerstroemia indica*	CREPE MYRTLE TREE	6	6
	Magnolia grandiflora	BULL BAY	10	8
	Magnolia Exmouth	SOUTHERN MAGNOLIA	9	8
	Ficus rubiginosa	RUSTY FIG	10	10
	Brachychiton acerifolius	ILLAWARRA FLAME TREE	10	6
	Eucalyptus ficifolia	SUMMER RED	12	15
	Flindersia australis	CROW'S ASH	10	6
	Lophostemon confertus	BRUSH BOX	12	8
SHRUBS, GROUNDCOVERS & GRASSES	*Callistemon viminalis 'Little John'*	BOTTLEBRUSH	1	1
	Callistemon viminalis 'White Anzac'	BOTTLEBRUSH	1	3
	Correa alba	WHITE CORREA	1-1.5	1-1.5
	Doryanthes excelsa	GYMEA LILY	2-4	2-3
	Grevillea 'Poorinda Royal Mantle'	GREVILLEA	0.5	6
	Hardenbergia violacea	FALSE SARSAPARILLA	0.4	2
	Hibbertia empetrifolia	TRAILING GUINEA-FLOWER	0.6	2
	Lomandra longifolia 'Tanika'	SPINY-HEAD MAT-RUSH	0.5	0.65
	Poa labillardierei	TUSSOCK	1.2	0.5
	Poa poiformis 'Kingsdale'	BLUE TUSSOCK GRASS	0.45	0.45
	*Pittosporum tobira "Miss Muffett"**	MISS MUFFET	1	1.5
	*Rhaphiolepis indica 'Snow Maiden'**	INDIAN HAWTHORN	0.6	0.5
CLIMBERS	*Casuarina glauca 'Cousin It'*	SHE-OAK	0.15	1
	*Ficus pumila**	CLIMBING FIG	6	6
	*Dichondra argentea 'Silver Falls'**	SILVER NICKLE VINE	0.1	1.5
	Hibbertia empetrifolia	TRAILING GUINEA-FLOWER	0.6	2

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H	29.08.24	CLIENT REVIEW

CLIENT
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PROJECT
PLEASURE POINT ENTRY STATEMENT / ENTRY ROAD
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
INDICATIVE PLANT PALETTE

SCALE

DRAWN	CHECKED	
DG / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016	L 18	H

LANDSCAPE ARCHITECT

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STREET TREE MASTERPLAN

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



MAIN ENTRY


Angophora costata
SYDNEY RED GUM


Brachychiton acerifolius
FLAME TREE


Lophostemon confertus
BRUSH BOX

CENTRAL SPINE


Eucalyptus ' Summer red'
RED FLOWERING GUM


Acacia floribunda
GOSSAMER WATTLE

RING ROADS


Flindersia australis
CROW'S ASH


Hymenosporum flavum
NATIVE FRANGIPANI


Callistemon hannah ray
HANNAH RAY BOTTLEBRUSH

INFILL ROADS


Tristaniopsis laurina
WATER GUM


Leptospermum petersonii
LEMON-SCENTED TEA TREE

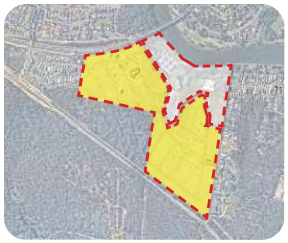

Cupaniopsis anacardioides
BEACH TAMARIND

PLEASURE POINT ROAD


Melaleuca decora
WHITE PAPERBARK


Waterhousea floribunda
WEEPING LILLY PILLY


Banksia integrifolia
COAST BANKSIA



CONTEXT PLAN

0 40 80 120 160 200m

SCALE 1:4000 AT A3

CLIENT
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PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
STREET TREE MASTERPLAN

SCALE
1:4000 @A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L04	G

LANDSCAPE ARCHITECT

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TYPICAL DETAIL CONCEPT PLAN

A: KEY INTERSECTION

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
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E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



01 TYPICAL DETAIL CONCEPT PLAN A
Scale 1:500@A3

KEY

- LOT BOUNDARY
- EDGING
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED REFER TO ARBORIST'S REPORT
- TURF
- GARDEN BEDS
- BITUMEN ROAD
- COLOURED / PATTERNED CONCRETE - PEDESTRIAN CROSSING
- CONCRETE FOOTPATH (BROOM FINISH)

DESIGN NOTES

1. MAIN ENTRY FEATURE TREES
2. NATIVE EVERGREEN TREES
3. FOOTPATH
4. SHARED PATH
5. TURF VERGE
6. FEATURE FIG TREE
7. FEATURE PAVING AT PEDESTRIAN CROSSING
8. PLANTING EMBELLISHMENT AT NODES
9. RESIDENTIAL LOTS



KEYPLAN

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
TYPICAL DETAIL CONCEPT PLAN
A: KEY INTERSECTION

SCALE	
1:500 @ A3	
DRAWN	CHECKED
KM / DF / GP	DV
PROJECT NO.	DRAWING NO. / REVISION
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LANDSCAPE ARCHITECT

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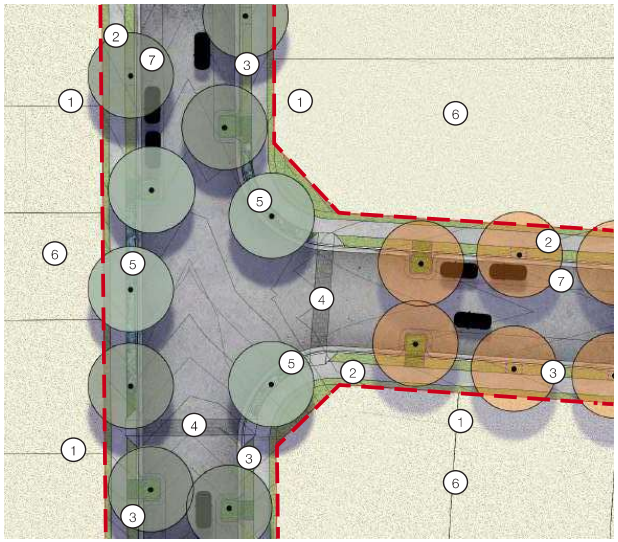
TYPICAL DETAIL CONCEPT PLAN

B:(T-INTERSECTION)
C:(INFILL+RING ROAD)

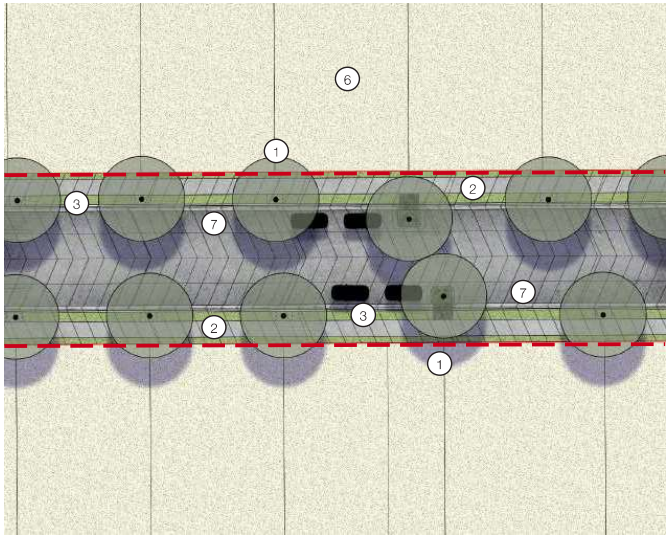
ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN



01 TYPICAL DETAIL CONCEPT PLAN B
Scale 1:500@A3



02 TYPICAL DETAIL CONCEPT PLAN C
Scale 1:500@A3

KEY

- LOT BOUNDARY
- EDGING
- PROPOSED TREE PLANTING
- TURF
- GARDEN BEDS
- BITUMEN ROAD
- COLOURED / PATTERNED CONCRETE - PEDESTRIAN CROSSING
- CONCRETE FOOTPATH (BROOM FINISH)

DESIGN NOTES

1. NATIVE EVERGREEN TREES
2. FOOTPATH
3. TURF VERGE
4. FEATURE PAVING AT PEDESTRIAN CROSSING
5. PLANTING EMBELLISHMENT AT NODES
6. RESIDENTIAL LOTS
7. PARKING BAY

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
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PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
TYPICAL DETAIL CONCEPT PLAN
B: T-INTERSECTION
C: INFILL+RING ROAD

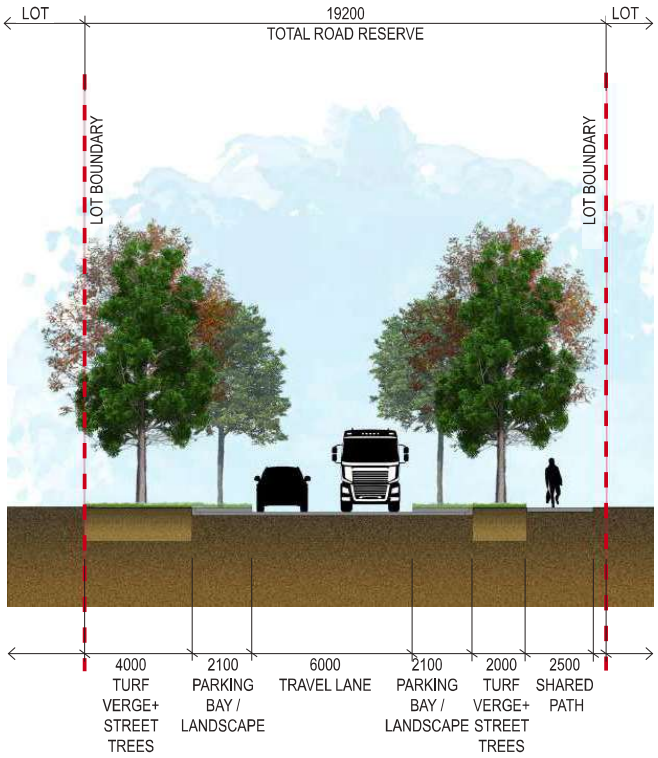
SCALE	
1:500 @ A3	
DRAWN	CHECKED
KM / DF / GP	DV
PROJECT NO.	DRAWING NO. / REVISION
H8-24016-2	L07 / G

LANDSCAPE ARCHITECT

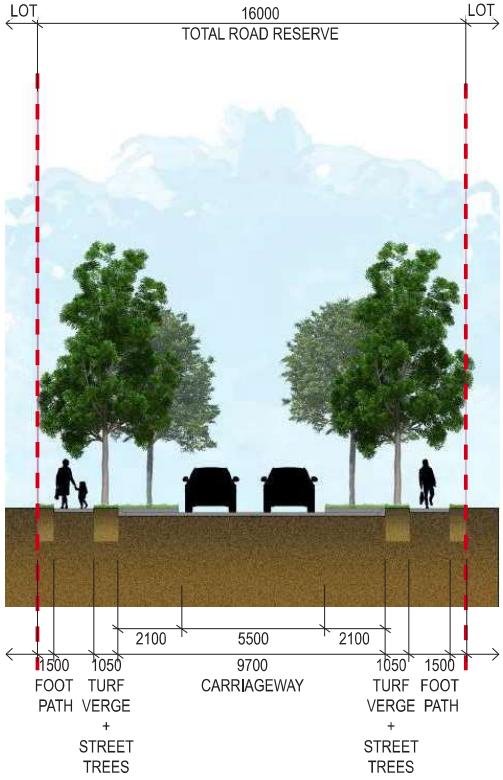
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SECTION E-E: CENTRAL SPINE
SECTION F-F: INFILL + RING ROAD

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



01 **LANDSCAPE SECTION E-E**
Scale 1:200@A3



02 **LANDSCAPE SECTION F-F**
Scale 1:200@A3



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
SECTION E-E:CENTRAL SPINE
SECTION F-F:INFILL + RING ROAD

SCALE
1:200 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L13	G

LANDSCAPE ARCHITECT

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INDICATIVE PLANT PALETTE

ISSUE	DATE	PURPOSE
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F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

PLANT IMAGERY

MAIN ENTRY


Angophora costata
SYDNEY RED GUM


Brachychiton acerifolius
FLAME TREE


Lophostemon confertus
BRUSH BOX

CENTRAL SPINE


Eucalyptus 'Summer red'
RED FLOWERING GUM


Acacia floribunda
GOSSAMER WATTLE

RING ROADS


Flindersia australis
CROW'S ASH


Hymenosporum flavum
NATIVE FRANGIPANI


Callistemon hannah ray
HANNAY RAY BOTTLEBRUSH

INFILL ROADS


Tristaniopsis laurina
WATER GUM


Leptospermum petersonii
LEMON-SCENTED TEA TREE

PLEASURE POINT ROAD


Melaleuca decora
WHITE PAPERBARK


Waterhousea floribunda
WEEPING LILLY PILLY


Banksia integrifolia
COAST BANKSIA


Cupaniopsis anacardioides
BEACH TAMARIND

NOTE:
Plant list sourced from Liverpool DCP 2008

SHRUBS, GROUNDCOVERS & GRASSES


Clematis aristata
TRAVELLER'S JOY


Themeda australis
KANGAROO GRASS


Lomandra longifolia
SPINY-HEADED MAT-RUSH


Dianella longifolia
PALE FLAX LILY


Indigofera australis
NATIVE INDIGO


Westringia fruticosa
COAST ROSEMARY


Doryanthes excelsa
GYMEA LILY


Callistemon citrinus
LEMON SCENTED BOTTLEBRUSH

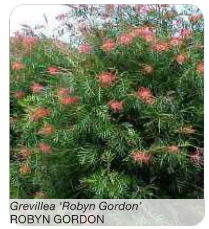

Hardenbergia violacea
PURPLE TWINING PEA


Dichondra repens
KIDNEY WEED


Viola hederacea
IVY-LEAFED VIOLET


Bursaria spinosa
BLACKTHORN


Leptospermum polygalifolium
YELLOW TEA-TREE


Grevillea 'Robyn Gordon'
ROBYN GORDON


Pittosporum 'Miss Muffet'
MISS MUFFET


Callistemon 'Captain Cook'
BOTTLEBRUSH

PLANT LIST

	SPECIES	COMMON NAME
TREES	*Angophora costata*	SYDNEY RED GUM
	Brachychiton acerifolius	FLAME TREE
	Lophostemon confertus	BRUSH BOX
	Eucalyptus 'Summer red'	RED FLOWERING GUM
	Acacia floribunda	GOSSAMER WATTLE
	Flindersia australis	CROW'S ASH
	Hymenosporum flavum	NATIVE FRANGIPANI
	Callistemon hannah ray	HANNAH RAY BOTTLEBRUSH
	Melaleuca decora	WHITE PAPERBANK
	Waterhousea floribunda	WEEPING LILLY PILLY
	Banksia integrifolia	COAST BANKSIA
	Tristaniopsis laurina	WATER GUM
	Leptospermun petersonii	LEMON-SCENTED TEA TREE
	Cupaniopsis anacardioides	BEACH TAMARIND
SHRUBS, GROUNDCOVERS & GRASSES	*Clematis aristata*	TRAVELLER'S JOY
	Themeda australis	KANGAROO GRASS
	Lomandra longifolia	SPINY-HEADED MAT-RUSH
	Dianella longifolia	PALE FLAX LILY
	Indigofera australis	NATIVE INDIGO
	Westringia fruticosa	COAST ROSEMARY
	Doryanthes excelsa	GYMEA LILY
	Callistemon citrinus	LEMON SCENTED BOTTLEBRUSH
	Hardenbergia violacea	PURPLE TWINING PEA
	Dichondra repens	KIDNEY WEED
	Viola hederacea	IVY-LEAFED VIOLET
	Bursaria spinosa	BLACKTHORN
	Leptospermum polygalifolium	YELLOW TEA-TREE
	Grevillea 'Robyn Gordon'	ROBYN GORDON
	Pittosporum 'Miss Muffet'	MISS MUFFET
	Callistemon 'Captain Cook'	BOTTLEBRUSH

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
INDICATIVE PLANT PALETTE

SCALE
NTS

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L14	G

LANDSCAPE ARCHITECT
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300362-CENG-004



STAGING PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE.

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STAGING PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 004 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-004.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

PLEASURE POINT
SUBDIVISION

54 PLEASURE POINT ROAD HOLSWORTHY NSW
LANDSCAPE CONCEPT
29.08.2024
CLIENT REVIEW
ISSUE G

CLIENT:

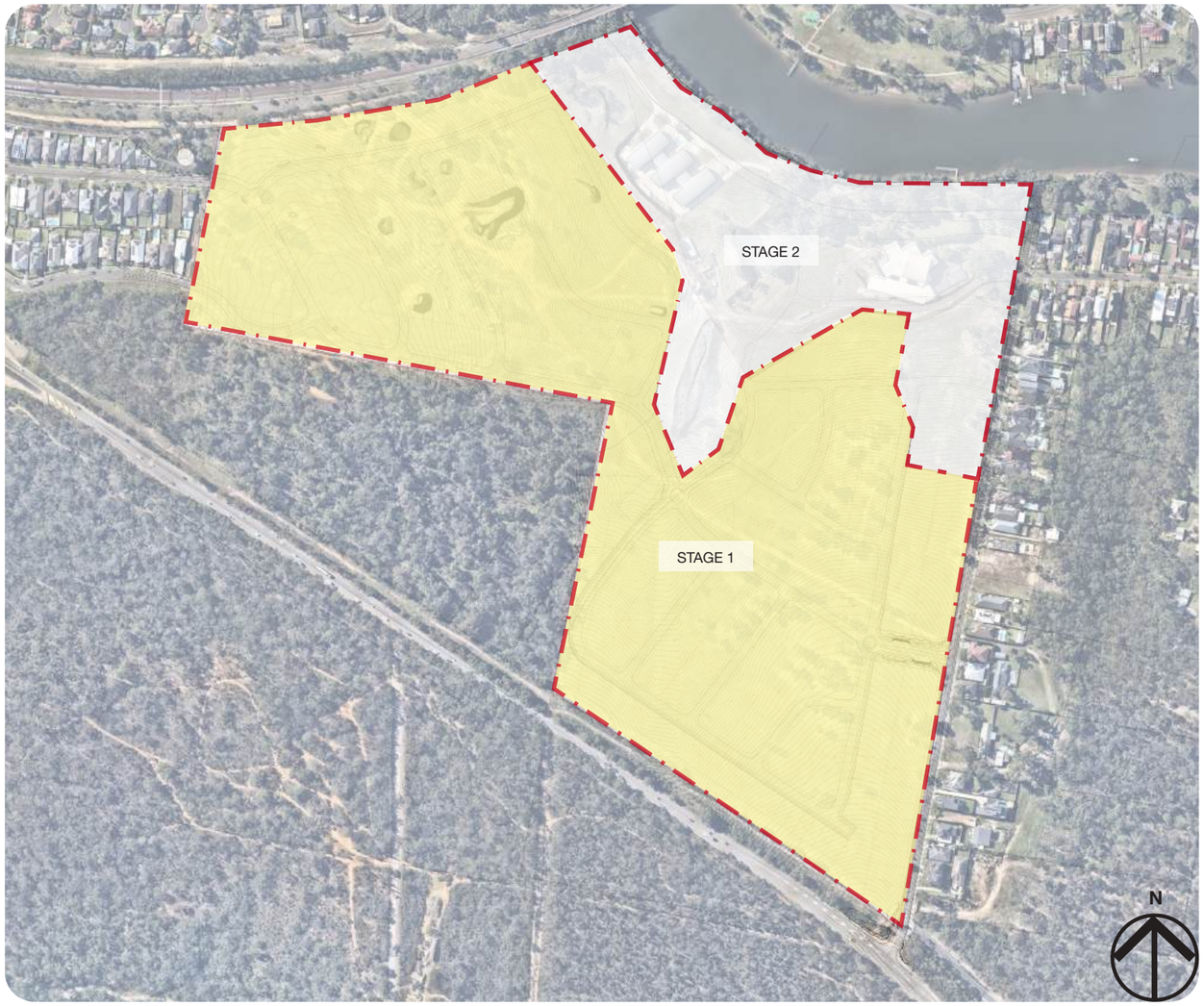
HODGE
DEVELOPMENT
PTY LTD

LANDSCAPE ARCHITECT:

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DRAWING LIST:

L-01 Coversheet
L-02 Landscape Masterplan
L-03 Vegetation Management Zone
L-04 Street Tree Masterplan
L-05 Landscape Concept Plan: Subdivision
L-06 Typical Detail Concept Plan A: Key Intersection
L-07 Typical Detail Concept Plan B: T-Intersection & C: Infill + Ring Road
L-08 Landscape Section A1-A1
L-09 Landscape Section A2-A2
L-10 Landscape Section B-B
L-11 Landscape Section C-C
L-12 Landscape Section D-D
L-13 Section E-E: Central Spine & Section F-F: Infill + Ring Road
L-14 Indicative Plant Palette
L-15 Indicative Plant Palette (Re-Vegetation Zones) 01
L-16 Indicative Plant Palette (Re-Vegetation Zones) 02
L-17 Park and Playground - Landscape Concept Plan
L-18 Park and Playground - Equipment Images
L-19 Park and Playground : Section A-A
L-20 Park and Playground : Section B-B
L-21 Pleasure Point Park and Playground - Artist's Impression 01
L-22 Pleasure Point Park and Playground - Artist's Impression 02
L-23 Indicative Plant Palette : Park and Playground



1:6000 @A3

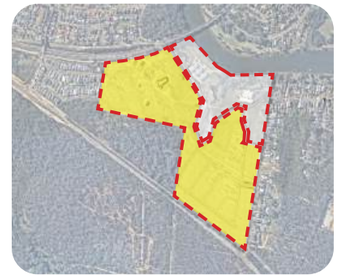
LANDSCAPE MASTERPLAN

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEY

- SITE BOUNDARY - STAGE 1
- SITE BOUNDARY - STAGE 2
- FLOOD LINE
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED REFER TO ARBORIST'S REPORT
- EXISTING TREES TO BE RETAINED REFER TO ARBORIST'S REPORT
- FOOTPATH
- TURF
- GARDEN BEDS
- REVEGETATION ZONE
- EXISTING VEGETATION TO BE RETAINED



CONTEXT PLAN

0 40 80 120 160 200m

SCALE 1:4000 AT A3

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

LANDSCAPE MASTERPLAN

SCALE
1:4000 @A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L02	G

LANDSCAPE ARCHITECT

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VEGETATION MANAGEMENT ZONE

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEY

SITE BOUNDARY

EXTENT OF VMP WORKS

VEGETATION ZONES

MZ1
PCT 4059 NATURAL REGENERATION (0.63 HA)

MZ2
PCT 4059 ASSISTED REGENERATION (0.15 HA)

MZ3
PCT 4059 RECONSTRUCTION (0.96 HA)

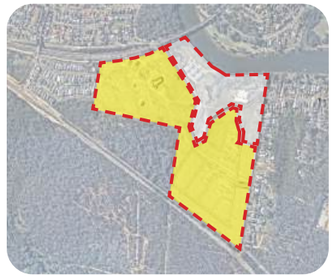
MZ4
PCT 4028 NATURAL REGENERATION (0.02 HA)

MZ5
PCT 4024 ASSISTED REGENERATION (0.61 HA)

MZ6
PCT 4024 RECONSTRUCTION (0.36 HA)

MZ7
SHARED PATH (0.16 HA)

MZ8
BASINS (0.19 HA)



CONTEXT PLAN

0 40 80 120 160 200m

SCALE 1:4000 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
VEGETATION MANAGEMENT ZONE

SCALE
1:4000 @A3

DRAWN	CHECKED	
KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L03	G

LANDSCAPE ARCHITECT

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STREET TREE MASTERPLAN

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



MAIN ENTRY



Angophora costata
SYDNEY RED GUM



Brachychiton acerifolius
FLAME TREE



Lophostemon confertus
BRUSH BOX

CENTRAL SPINE



Eucalyptus ' Summer red'
RED FLOWERING GUM



Acacia floribunda
GOSSAMER WATTLE

RING ROADS



Flindersia australis
CROW'S ASH



Hymenosporum flavum
NATIVE FRANGIPANI



Callistemon hannah ray
HANNAH RAY BOTTLEBRUSH

INFILL ROADS



Tristaniopsis laurina
WATER GUM



Leptospermum petersonii
LEMON-SCENTED TEA TREE



Cupaniopsis anacardioides
BEACH TAMARIND

PLEASURE POINT ROAD



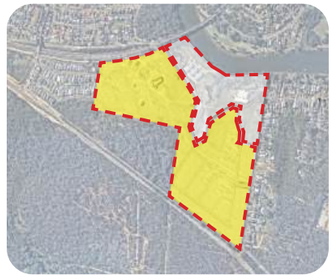
Melaleuca decora
WHITE PAPERBARK



Waterhousea floribunda
WEEPING LILLY PILLY



Banksia integrifolia
COAST BANKSIA



CONTEXT PLAN

0 40 80 120 160 200m

SCALE 1:4000 AT A3

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

STREET TREE MASTERPLAN

SCALE
1:4000 @A3

DRAWN	CHECKED
KM / DF / GP	DV

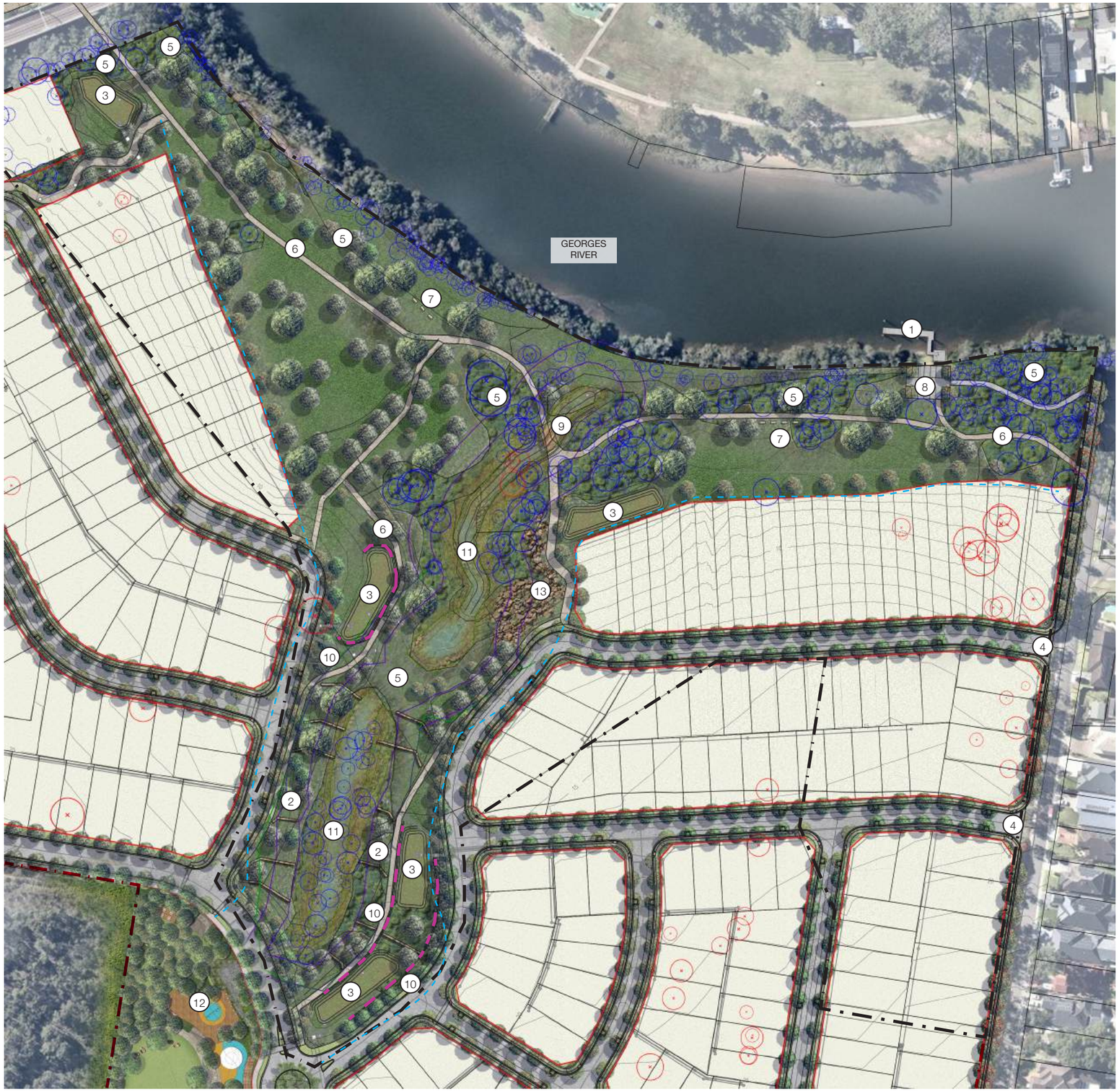
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L04	G

LANDSCAPE ARCHITECT

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LANDSCAPE CONCEPT PLAN : SUBDIVISION

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

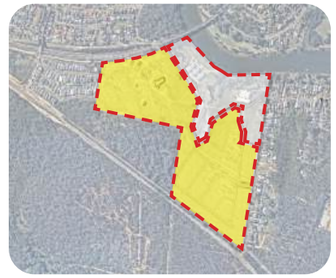


KEY

- SITE BOUNDARY - STAGE 1
- SITE BOUNDARY - STAGE 2
- FLOOD LINE
- PROPOSED RETAINING WALL TO ENGINEER'S DETAILS
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED REFER TO ARBORIST'S REPORT
- EXISTING TREES TO BE RETAINED REFER TO ARBORIST'S REPORT
- FOOTPATH
- TURF
- GARDEN BEDS
- REVEGETATION ZONE
- EXISTING VEGETATION TO BE RETAINED

DESIGN NOTES

1. JETTY AND CANOE RAMP
2. SANDSTONE BOULDER FEATURE WALLS
3. WATER QUALITY BASINS
4. SECONDARY ENTRY (SANDSTONE PLINTHS UNDER 2M HT.)
5. EXISTING FORESHORE AREA
6. FOOT PATH
7. SITTING AREA
8. CAR PARK
9. PEDESTRIAN BRIDGE
10. PROPOSED RETAINING WALL (TO ENGINEER'S DETAILS)
11. RIPARIAN CORRIDOR AREA
12. PARK / PLAYGROUND
13. ROCK LINE BATTER



CONTEXT PLAN

0 20 40 60 80 100m

SCALE 1:2000 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE CONCEPT PLAN: SUBDIVISION

SCALE		
1:2000 @A3		
DRAWN	CHECKED	
KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L05	G

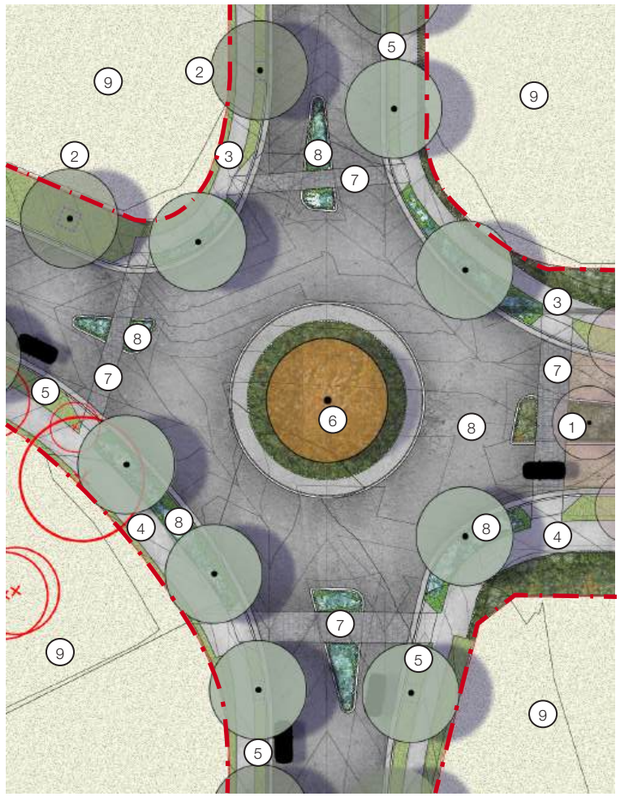
LANDSCAPE ARCHITECT

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TYPICAL DETAIL CONCEPT PLAN

A: KEY INTERSECTION

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



01 **TYPICAL DETAIL CONCEPT PLAN A**
Scale 1:500@A3

KEY

- LOT BOUNDARY
- EDGING
- PROPOSED TREE PLANTING
- EXISTING TREES TO BE REMOVED
  REFER TO ARBORIST'S REPORT
- TURF
- GARDEN BEDS
- BITUMEN ROAD
- COLOURED / PATTERNED CONCRETE - PEDESTRIAN CROSSING
- CONCRETE FOOTPATH (BROOM FINISH)

DESIGN NOTES

1. MAIN ENTRY FEATURE TREES
2. NATIVE EVERGREEN TREES
3. FOOTPATH
4. SHARED PATH
5. TURF VERGE
6. FEATURE FIG TREE
7. FEATURE PAVING AT PEDESTRIAN CROSSING
8. PLANTING EMBELLISHMENT AT NODES
9. RESIDENTIAL LOTS



KEYPLAN

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
TYPICAL DETAIL CONCEPT PLAN
A: KEY INTERSECTION

SCALE
1:500 @ A3

DRAWN	CHECKED	
KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L06	G

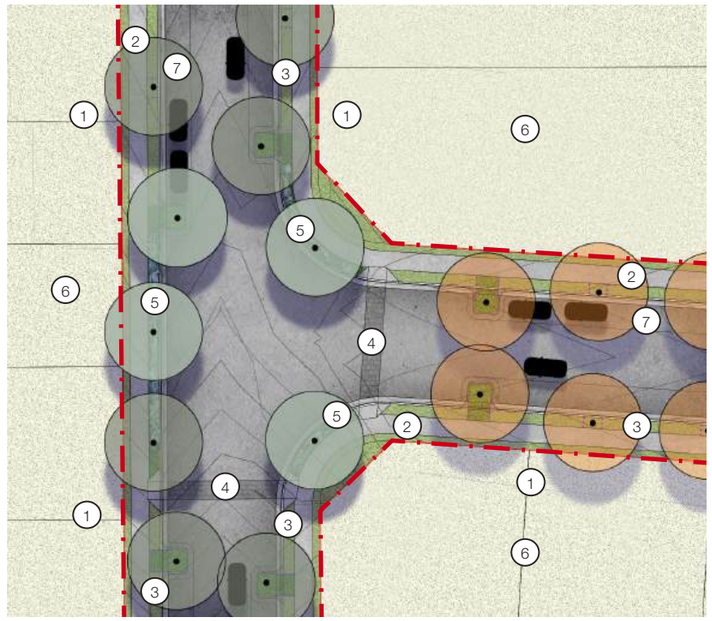
LANDSCAPE ARCHITECT

HABIT8
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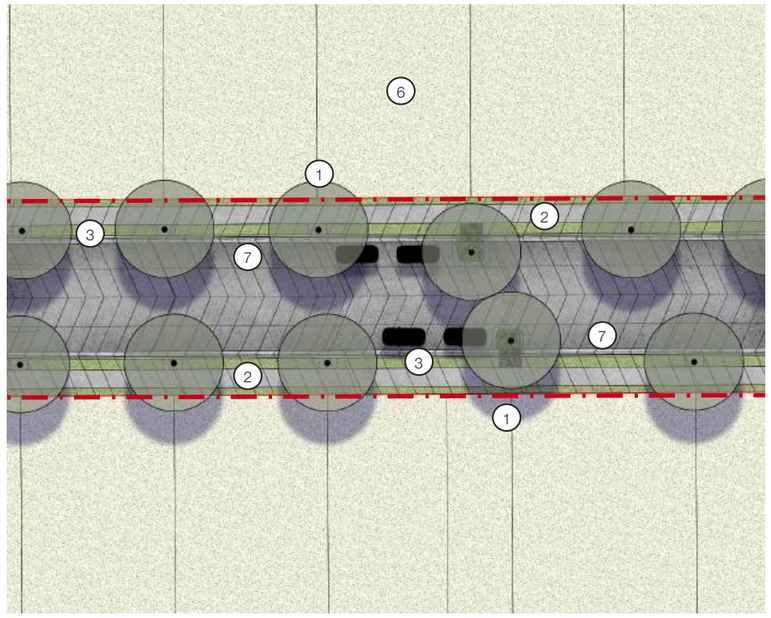
TYPICAL DETAIL CONCEPT PLAN

B:(T-INTERSECTION)
C:(INFILL+RING ROAD)

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



01 **TYPICAL DETAIL CONCEPT PLAN B**
Scale 1:500@A3



02 **TYPICAL DETAIL CONCEPT PLAN C**
Scale 1:500@A3

KEY

- LOT BOUNDARY
- EDGING
- PROPOSED TREE PLANTING
- TURF
- GARDEN BEDS
- BITUMEN ROAD
- COLOURED / PATTERNED CONCRETE - PEDESTRIAN CROSSING
- CONCRETE FOOTPATH (BROOM FINISH)

DESIGN NOTES

1. NATIVE EVERGREEN TREES
2. FOOTPATH
3. TURF VERGE
4. FEATURE PAVING AT PEDESTRIAN CROSSING
5. PLANTING EMBELLISHMENT AT NODES
6. RESIDENTIAL LOTS
7. PARKING BAY



KEYPLAN

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
TYPICAL DETAIL CONCEPT PLAN
B: T-INTERSECTION
C: INFILL+RING ROAD

SCALE
1:500 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L07	G

LANDSCAPE ARCHITECT

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LANDSCAPE SECTION A1-A1

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN



01 LANDSCAPE SECTION A-A
Scale 1:200@A3

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE SECTION A1-A1

SCALE
1:200 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L08	G

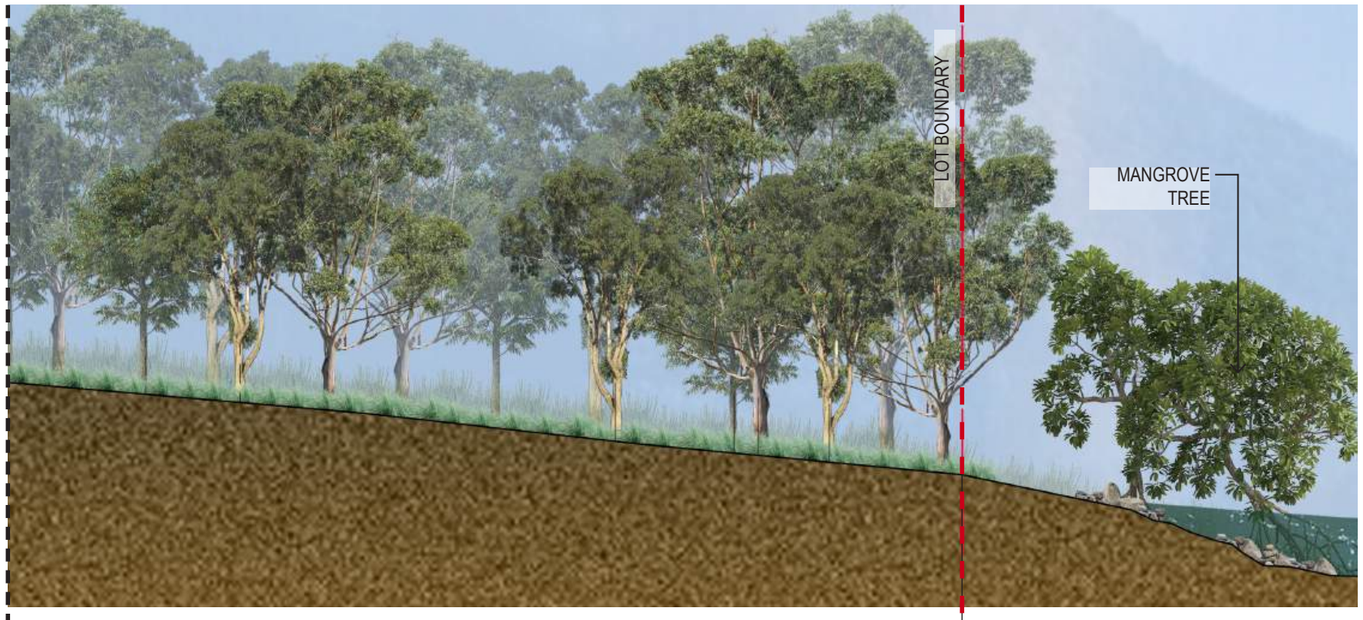
LANDSCAPE ARCHITECT

HABIT8
Landscape Architecture & Urbanism
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MELBOURNE (Wurundjeri country) SE QUEENSLAND (Yugambeh country)
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LANDSCAPE SECTION A2-A2

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW





01 LANDSCAPE SECTION A2-A2
Scale 1:200@A3



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE SECTION A2-A2

SCALE
1:200 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

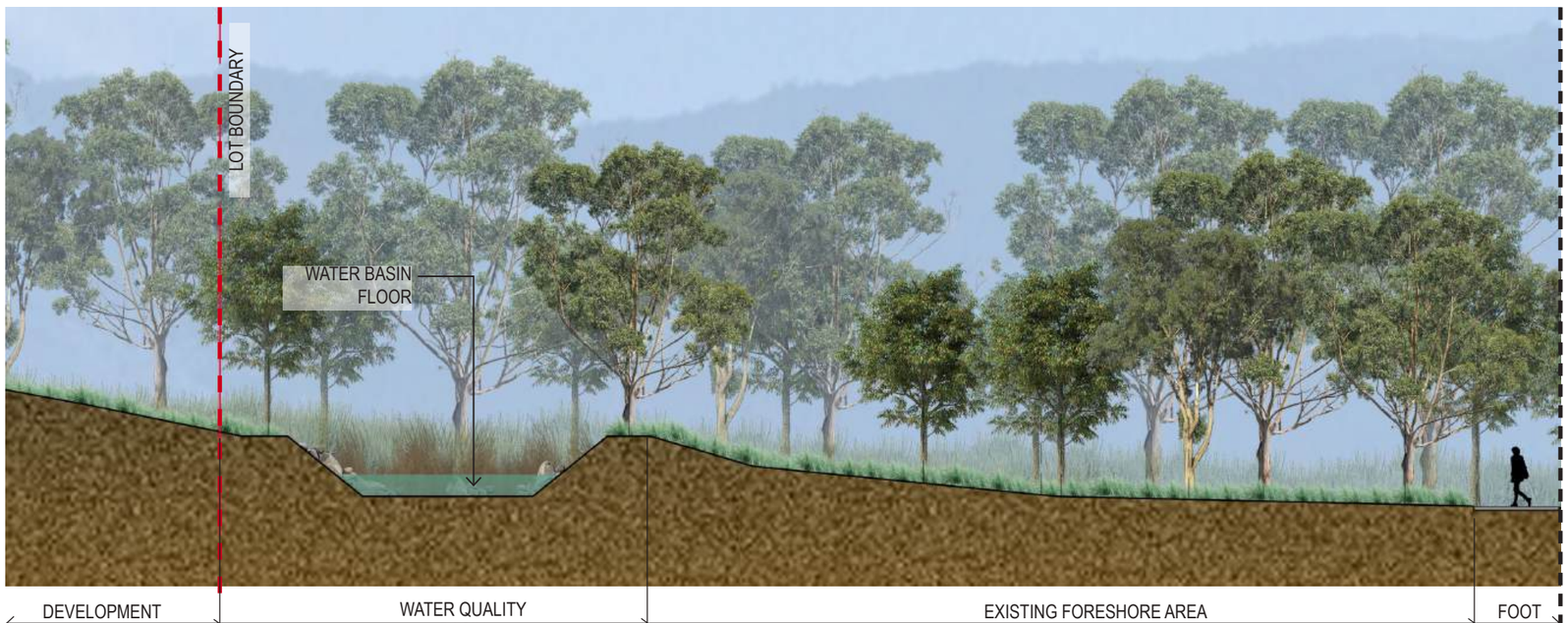
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L09	G

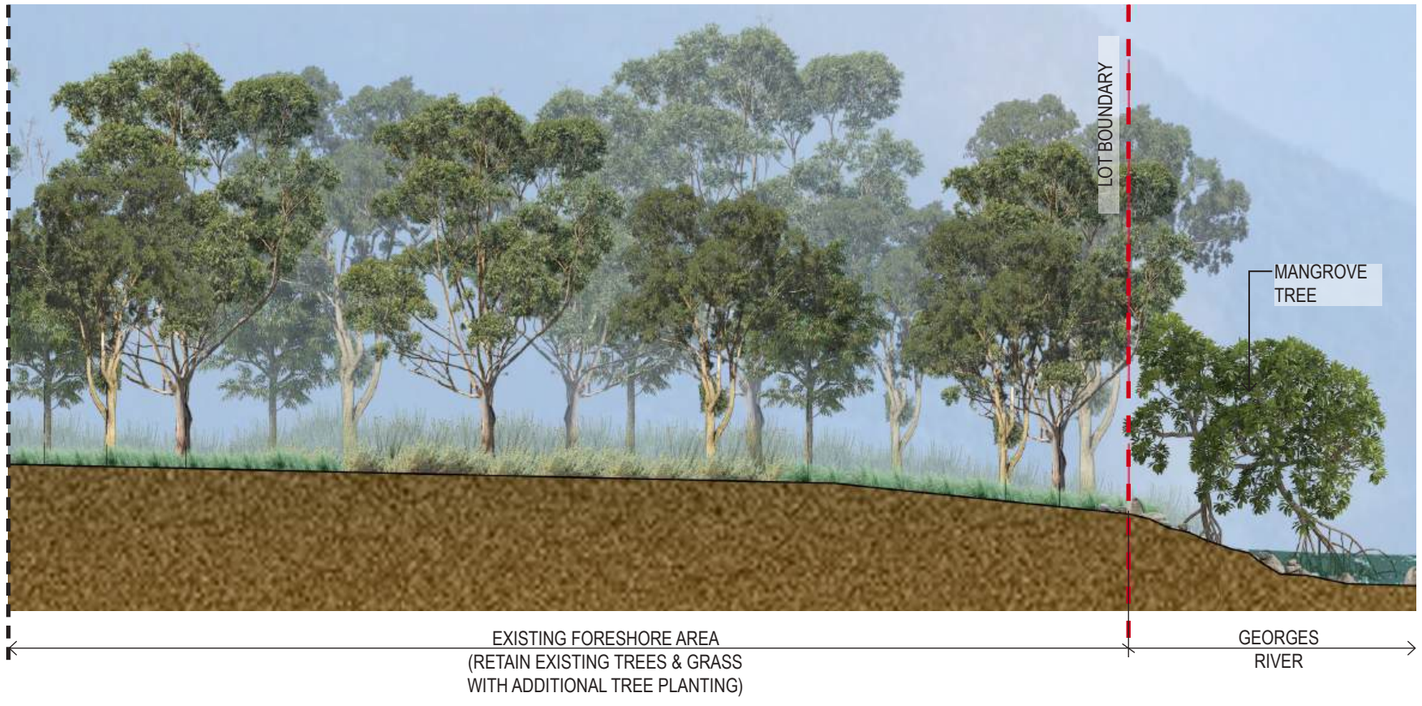
LANDSCAPE ARCHITECT

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LANDSCAPE SECTION B-B

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	05.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW





01 **LANDSCAPE SECTION B-B**
Scale 1:200@A3



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE SECTION B-B

SCALE
1:200 @ A3

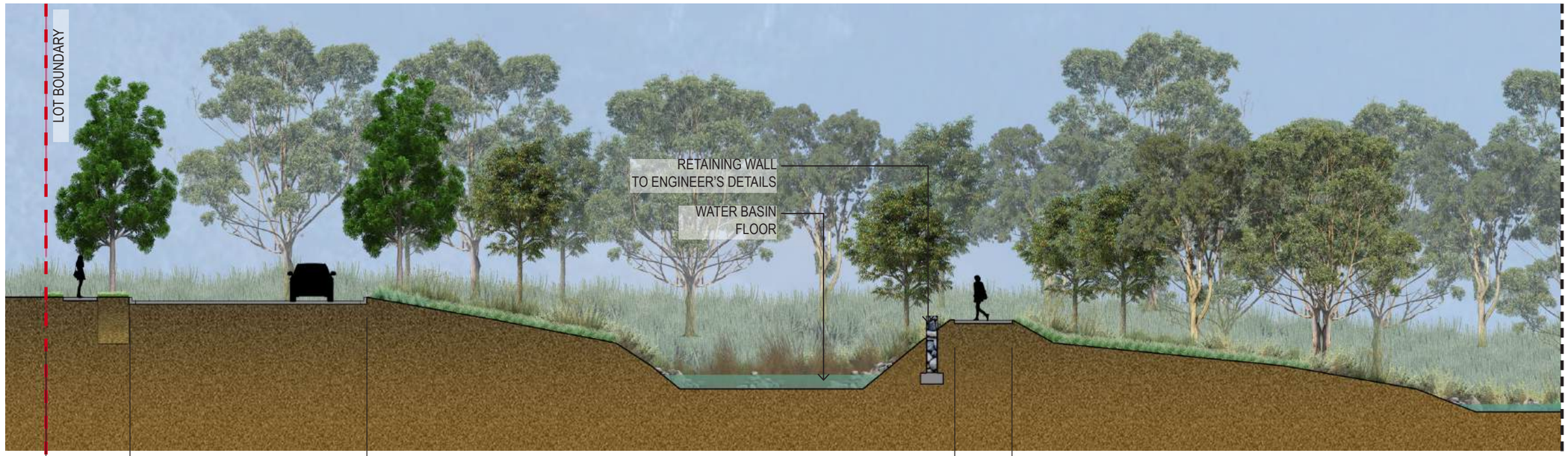
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L010	G

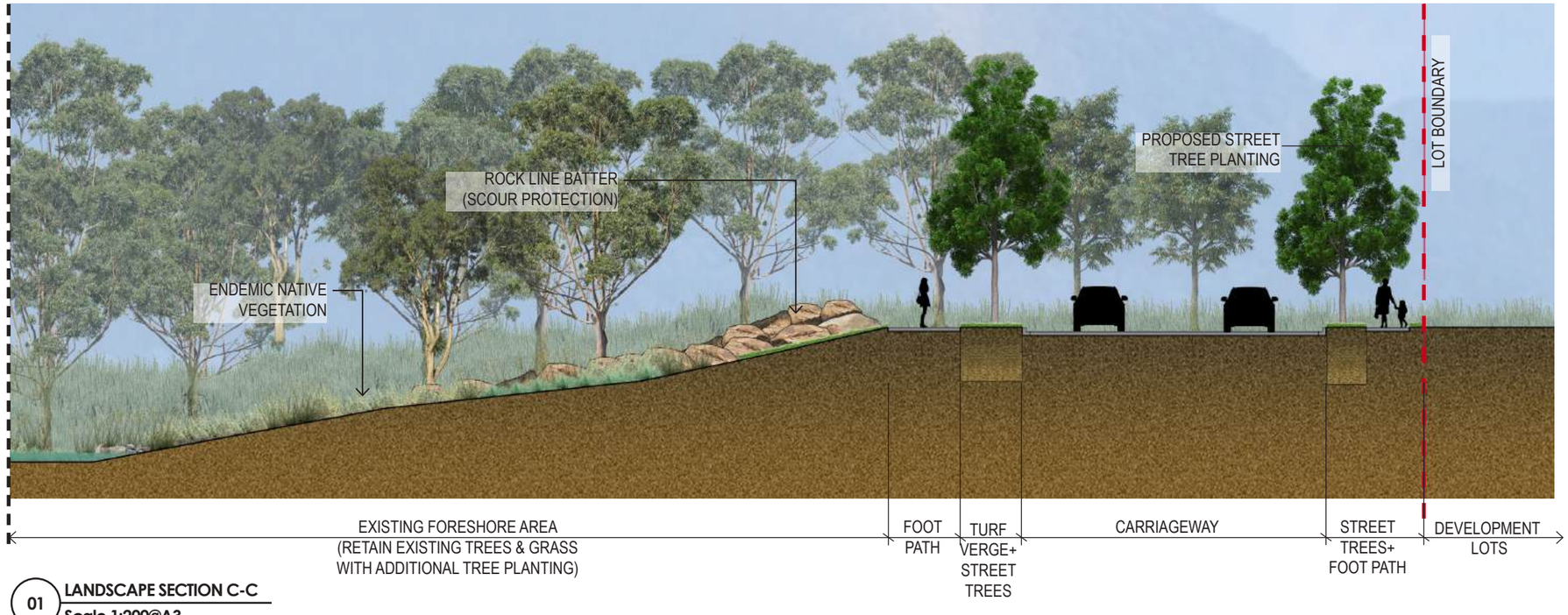
LANDSCAPE ARCHITECT

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LANDSCAPE SECTION C-C

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW





01 **LANDSCAPE SECTION C-C**
Scale 1:200@A3



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
HODGE
DEVELOPMENT
PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE SECTION C-C

SCALE
1:200 @ A3

DRAWN	CHECKED	
KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L11	G

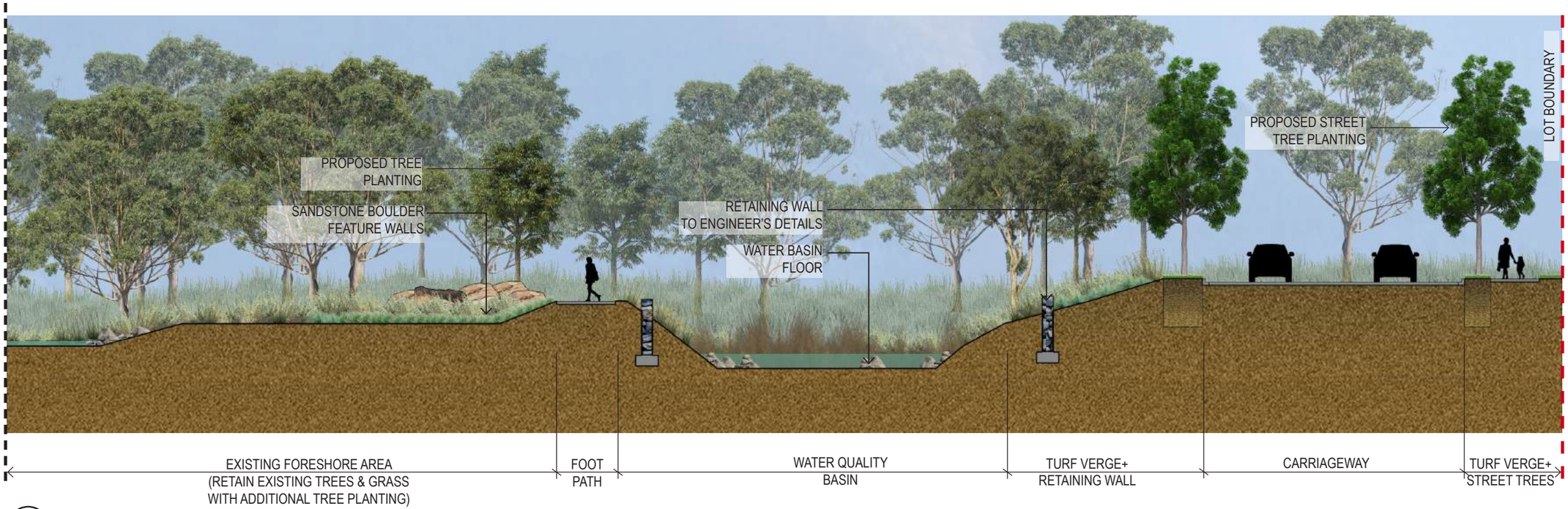
LANDSCAPE ARCHITECT

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LANDSCAPE SECTION D-D

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW





01 LANDSCAPE SECTION D-D
Scale 1:200@A3



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT
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PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
LANDSCAPE SECTION D-D

SCALE
1:200 @ A3

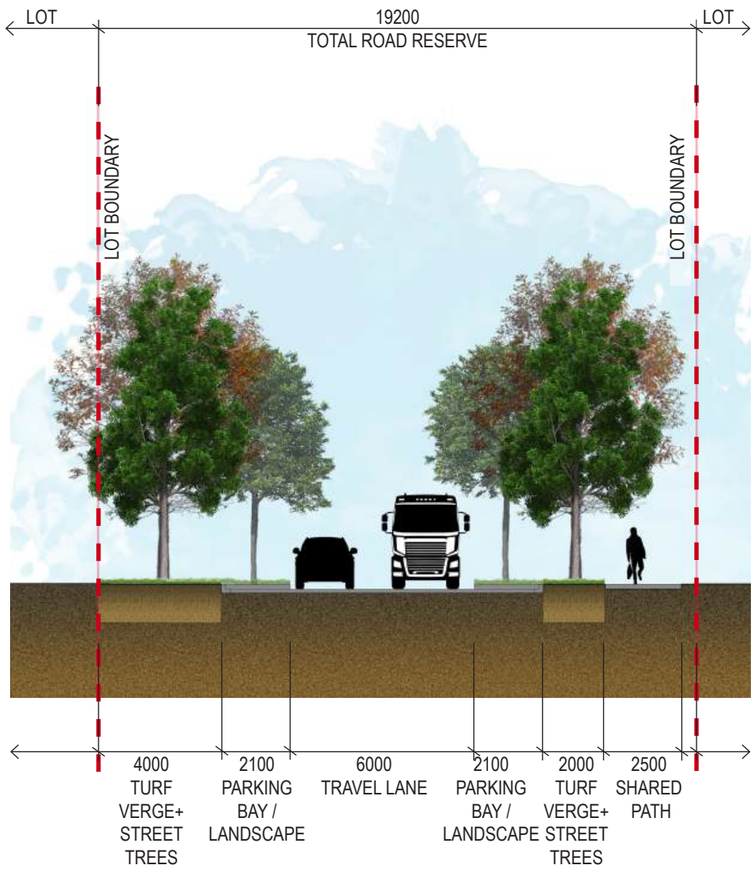
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L12	G

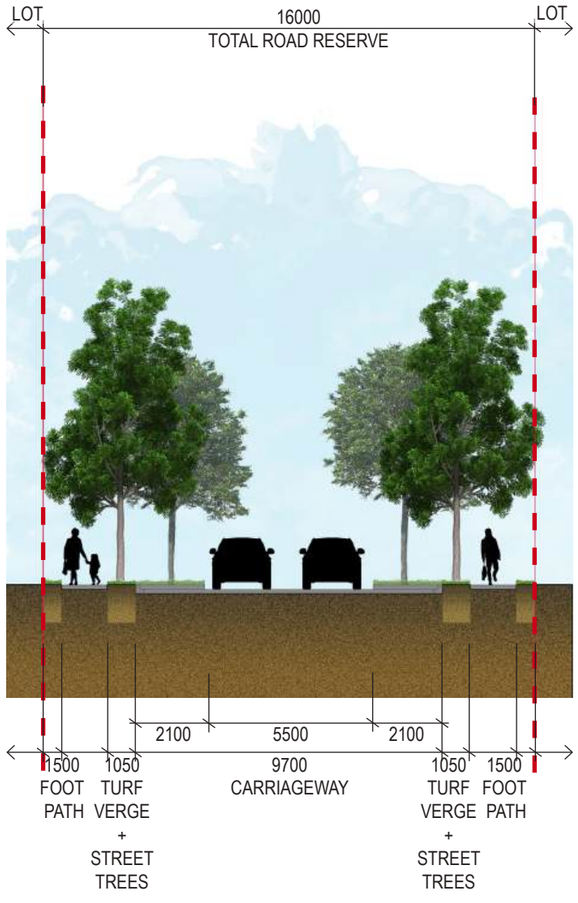
LANDSCAPE ARCHITECT

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SECTION E-E: CENTRAL SPINE
SECTION F-F: INFILL + RING ROAD



01 **LANDSCAPE SECTION E-E**
Scale 1:200@A3



02 **LANDSCAPE SECTION F-F**
Scale 1:200@A3

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN

0 2 4 6 8 10m

SCALE 1:200 AT A3

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HOLSWORTHY NSW

DRAWING TITLE
SECTION E-E:CENTRAL SPINE
SECTION F-F:INFILL + RING ROAD

SCALE
1:200 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L13	G

LANDSCAPE ARCHITECT

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INDICATIVE PLANT PALETTE

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
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D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

PLANT IMAGERY

MAIN ENTRY


Angophora costata
SYDNEY RED GUM


Brachychiton acerifolius
FLAME TREE


Lophostemon confertus
BRUSH BOX

CENTRAL SPINE


Eucalyptus 'Summer red'
RED FLOWERING GUM


Acacia floribunda
GOSSAMER WATTLE

RING ROADS


Flindersia australis
CROW'S ASH


Hymenosporum flavum
NATIVE FRANGIPANI


Callistemon hannah ray
HANNAY RAY BOTTLEBRUSH

INFILL ROADS


Tristaniopsis laurina
WATER GUM


Leptospermum petersonii
LEMON-SCENTED TEA TREE

PLEASURE POINT ROAD


Melaleuca decora
WHITE PAPERBARK


Waterhousea floribunda
WEEPING LILLY PILLY


Banksia integrifolia
COAST BANKSIA


Cupaniopsis anacardioides
BEACH TAMARIND

SHRUBS, GROUNDCOVERS & GRASSES


Clematis aristata
TRAVELLER'S JOY


Themeda australis
KANGAROO GRASS


Lomandra longifolia
SPINY-HEADED MAT-RUSH


Dianella longifolia
PALE FLAX LILY


Indigofera australis
NATIVE INDIGO


Westringia fruticosa
COAST ROSEMARY


Doryanthes excelsa
GYMEA LILY


Callistemon citrinus
LEMON SCENTED BOTTLEBRUSH

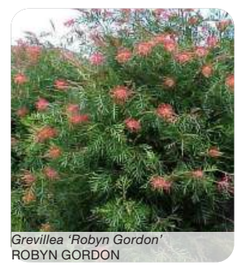

Hardenbergia violacea
PURPLE TWINING PEA


Dichondra repens
KIDNEY WEED


Viola hederacea
IVY-LEAFED VIOLET


Bursaria spinosa
BLACKTHORN


Leptospermum polygalifolium
YELLOW TEA-TREE


Grevillea 'Robyn Gordon'
ROBYN GORDON


Pittosporum 'Miss Muffet'
MISS MUFFET


Callistemon 'Captain Cook'
BOTTLEBRUSH

NOTE:
Plant list sourced from Liverpool DCP 2008

PLANT LIST

	SPECIES	COMMON NAME
TREES	*Angophora costata*	SYDNEY RED GUM
	Brachychiton acerifolius	FLAME TREE
	Lophostemon confertus	BRUSH BOX
	Eucalyptus 'Summer red'	RED FLOWERING GUM
	Acacia floribunda	GOSSAMER WATTLE
	Flindersia australis	CROW'S ASH
	Hymenosporum flavum	NATIVE FRANGIPANI
	Callistemon hannah ray	HANNAH RAY BOTTLEBRUSH
	Melaleuca decora	WHITE PAPERBARK
	Waterhousea floribunda	WEEPING LILLY PILLY
	Banksia integrifolia	COAST BANKSIA
	Tristaniopsis laurina	WATER GUM
	Leptospermun petersonii	LEMON-SCENTED TEA TREE
	Cupaniopsis anacardioides	BEACH TAMARIND
SHRUBS, GROUNDCOVERS & GRASSES	*Clematis aristata*	TRAVELLER'S JOY
	Themeda australis	KANGAROO GRASS
	Lomandra longifolia	SPINY-HEADED MAT-RUSH
	Dianella longifolia	PALE FLAX LILY
	Indigofera australis	NATIVE INDIGO
	Westringia fruticosa	COAST ROSEMARY
	Doryanthes excelsa	GYMEA LILY
	Callistemon citrinus	LEMON SCENTED BOTTLEBRUSH
	Hardenbergia violacea	PURPLE TWINING PEA
	Dichondra repens	KIDNEY WEED
	Viola hederacea	IVY-LEAFED VIOLET
	Bursaria spinosa	BLACKTHORN
	Leptospermum polygalifolium	YELLOW TEA-TREE
	Grevillea 'Robyn Gordon'	ROBYN GORDON
	Pittosporum 'Miss Muffet'	MISS MUFFET
	Callistemon 'Captain Cook'	BOTTLEBRUSH

CLIENT
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PROJECT
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54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
INDICATIVE PLANT PALETTE

SCALE
NTS

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LANDSCAPE ARCHITECT
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INDICATIVE PLANT PALETTE (RE-VEGETATION ZONES) 01

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

PLANT LIST (PCT 3616)

	SPECIES	COMMON NAME
TREES	*Allocasuarina littoralis*	BLACK SHE-OAK
	Angophora bakeri	NARROW-LEAVED APPLE
	Angophora costata	SYDNEY RED GUM
	Corymbia gummifera	RED BLOODWOOD
	Eucalyptus punctata	GREY GUM
	Eucalyptus pilularis	BLACKBUTT
	Eucalyptus oblonga	SANDSTONE STRINGYBARK
	Eucalyptus sparsifolia	NARROW-LEAVED STRINGYBARK
	Eucalyptus crebra	NARROW-LEAVED IRONBARK
	Eucalyptus resinifera	RED MAHOGANY
	Eucalyptus sclerophylla	SCRIBBLY GUM
SHRUBS	*Leptospermum trinervium*	PAPERBARK TEA TREE
	Lissanthe strigosa	PEACH HEATH
	Acacia linifolia	WHITE WATTLE
	Persoonia linearis	NARROW-LEAVED GEEBUNG
GROUNDCOVERS	*Themeda triandra*	RED GRASS
	Aristida vagans	THREEAWN SPEARGRASS
	Microlaena stipoides	WEEPING GRASS
	Panicum simile	TWO COLOUR PANIC
	Austrostipa pubescens	TALL SPEARGRASS
	Phyllanthus hirtellus	THYME SPURGE
	Pomax umbellata	POMAX
	Dianella caerulea	BLUE FLAX-LILY
	Lomandra obliqua	TWISTED MAT-RUSH
	Lomandra multiflora subsp. multiflora	MANY-FLOWERED MAT-RUSH
	Lepidosperma laterale	VARIABLE SWORDSEDGE

PLANT LIST (PCT 4024)

	SPECIES	COMMON NAME
TREES	*Angophora floribunda*	ROUGH BARKED APPLE
	Eucalyptus baueriana	ROUND-LEAVED BOX
	Eucalyptus tereticornis	FOREST RED GUM
SHRUBS	*Acacia decurrens*	EARLY GREEN WATTLE
	Melaleuca nodosa	PRICKLY-LEAVED PAPERBANK
	Melaleuca decoea	WHITE FEATHER HONEYMYRTLE
	Melaleuca styphelioides	PRICKLY PAPERBANK
	Casuarnia glauca	SWAMP SHE-OAK
	Exocarpus cupressiformis	NATIVE CHERRY
	Bursaria spinosa	AUSTRALIAN BLACKTHORN
	Ozothamnus diosmifolius	SAGO BUSH
GROUNDCOVERS	*Microlaena stipoides*	WEEPING MEADOW GRASS
	Entolasia marginata	BORDERED PANIC GRASS
	Cynodon dactylon	BERMUDA GRASS
	Echinopogon ovatus	COMMON HEDGEHOG-GRASS
	Lobelia purpurascens	WHITE ROOT
	Pteridium esculentum	BRACKEN FERN
	Dichondra repens	KIDNEY WEED
	Einadia hastata	BERRY SALTBUSH
	Glycine clandestina	TWINING GLYCINE
	Lomandra longifolia	SPINY-HEAD MAT RUSH
	Echinopogon caespitosus	BUSHY HEDGEHOG GRASS

PLANT IMAGERY





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DRAWING TITLE

INDICATIVE PLANT PALETTE (RE-VEGETATION ZONES) 01

SCALE

NTS

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LANDSCAPE ARCHITECT

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INDICATIVE PLANT PALETTE (RE-VEGETATION ZONES) 02

PLANT LIST (PCT 4059)

	SPECIES	COMMON NAME
TREES	*Eucalyptus resinifera*	RED MAHOGANY
	Angophora floribunda	ROUGH BARKED APPLE
	Eucalyptus punctata	GREY GUM
	Eucalyptus sclerophylla	SCRIBBLY GUM
	Melaleuca linariifolia	NARROW-LEAVED PAPERBANK
	Allocasuarina littoralis	BLACK SHE-OAK
SHRUBS	*Leptospermum polygalifolium*	JELLYBUSH
	Polyscias sambucifolia	ELDERBERRY PANAX
	Dodonaea triquetra	LARGE LEAF HOP BUSH
	Acacia floribunda	GOSSAMER WATTLE
	Acacia longifolia	LONG-LEAVED WATTLE
	Acacia parramattensis	PARRAMATTA WATTLE
	Banksia spinulosa	HAIRPIN BANKSIA
	Bursaria spinosa	AUSTRALIAN BLACKTHORN
	Melaleuca thymifolia	THYME HONEY-MYRTLE
	Epacris pulchella	WALLUM HEATH
	Hibbertia aspera	ROUGH GUINEA FLOWER
GROUNDCOVERS	*Imperata cylindrica*	COGONGRASS
	Entolasia marginata	BORDERED PANIC GRASS
	Microlaena stipoides	WEEPING RICE GRASS
	Poa affinis	TUSSOCK GRASS
	Echinopogon caespitosus	BUSHY HEDGEHOG GRASS
	Oplismenus aemulus	CREEPING BEARD GRASS
	Pteridium esculentum	BRACKEN FERN
	Lomandra longifolia	SPINY-HEAD MAT RUSH
	Lobelia purpurascens	WHITE ROOT
	Dianella caerulea	BLUE FLAX-LILY
	Dichondra repens	KIDNEY WEED
	Glycine microphylla	SMALL-LEAF GLYCINE

PLANT IMAGERY



ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
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54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
INDICATIVE PLANT PALETTE (RE-VEGETATION ZONES) 02

SCALE
NTS

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KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L16	G

LANDSCAPE ARCHITECT
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PARK AND PLAYGROUND - LANDSCAPE CONCEPT PLAN

DESIGN NOTES

1. BIKE PATH
2. SEATING AREA
3. TURF AREA
4. OPEN SPACE (PASSIVE ZONE)
5. SANDSTONE CUBE SEATS
6. FEATURE PAVING
7. BRIDGE
8. PLANTED MOUNDS
9. REUSE SANDSTONE BOULDERS
10. 6m WIDE TURF SWALE WITH TREE PLANTING (IN TURF)
11. BUSH PATH
12. RESIDENTIAL LOTS
13. PIT

A. LOG / BALANCE MAZE
B. SINGLE BAY SWING (BY RUSTIK)
C. PIPE FACTORY PLAY STRUCTURE (BY FLEETWOOD)
D. 2.5 M WIDE DRY CREEK BED AND BRIDGE

NOTE:
TREES TO BE CLEAR OF EQUIPMENT AND FALL ZONES

KEY

- SITE BOUNDARY
- TURF SWALE
- PROPOSED TREE PLANTING
- TURF
- GARDEN BEDS
- EXPOSED AGGREGATE CONCRETE (BIKE PATH)
- COMPACTED DECO-GRANITE SURFACE
- SOFTFALL SURFACE
- BRIDGE / DECK



ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
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F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN

0 5 10 15 20 25m

SCALE 1:500 AT A3

CLIENT
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HOLSWORTHY NSW

DRAWING TITLE
PARK AND PLAYGROUND LANDSCAPE CONCEPT PLAN

SCALE
1:500

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PROJECT NO.	DRAWING NO.	REVISION
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LANDSCAPE ARCHITECT

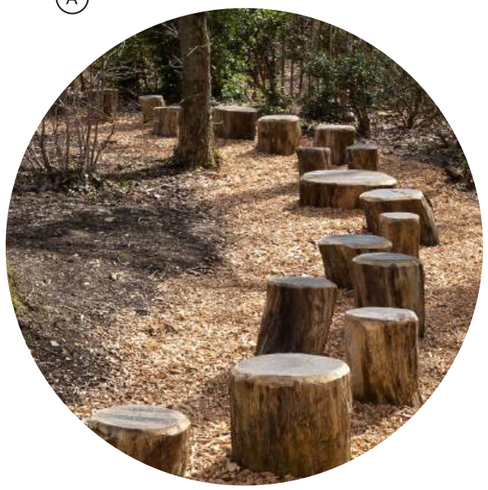
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PARK AND PLAYGROUND - EQUIPMENT IMAGES

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW

A. LOG / BALANCE MAZE
B. SINGLE BAY SWING (BY RUSTIK)
C. PIPE FACTORY PLAY STRUCTURE (BY FLEETWOOD)
D. 2.5 M WIDE DRY CREEK BED AND BRIDGE

A



B



C





D BRIDGE



D DRY CREEK BED



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HOLSWORTHY NSW

DRAWING TITLE
PARK AND PLAYGROUND
PLAYGROUND IMAGES

SCALE
NTS

DRAWN	CHECKED	
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PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L18	G

LANDSCAPE ARCHITECT

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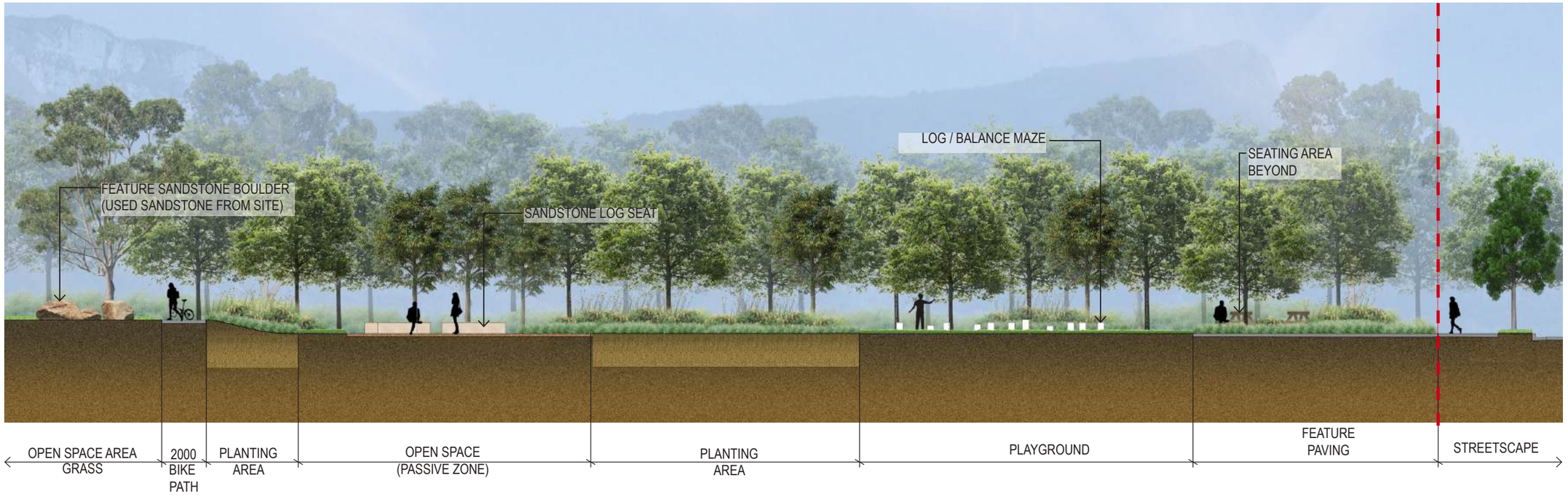
PARK AND PLAYGROUND:

SECTION A-A

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN



0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT

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PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

PARK AND PLAYGROUND
SECTION A-A

SCALE

1:200 @ A3

DRAWN	CHECKED	
KM / DF / GP	DV	
PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L19	G

LANDSCAPE ARCHITECT

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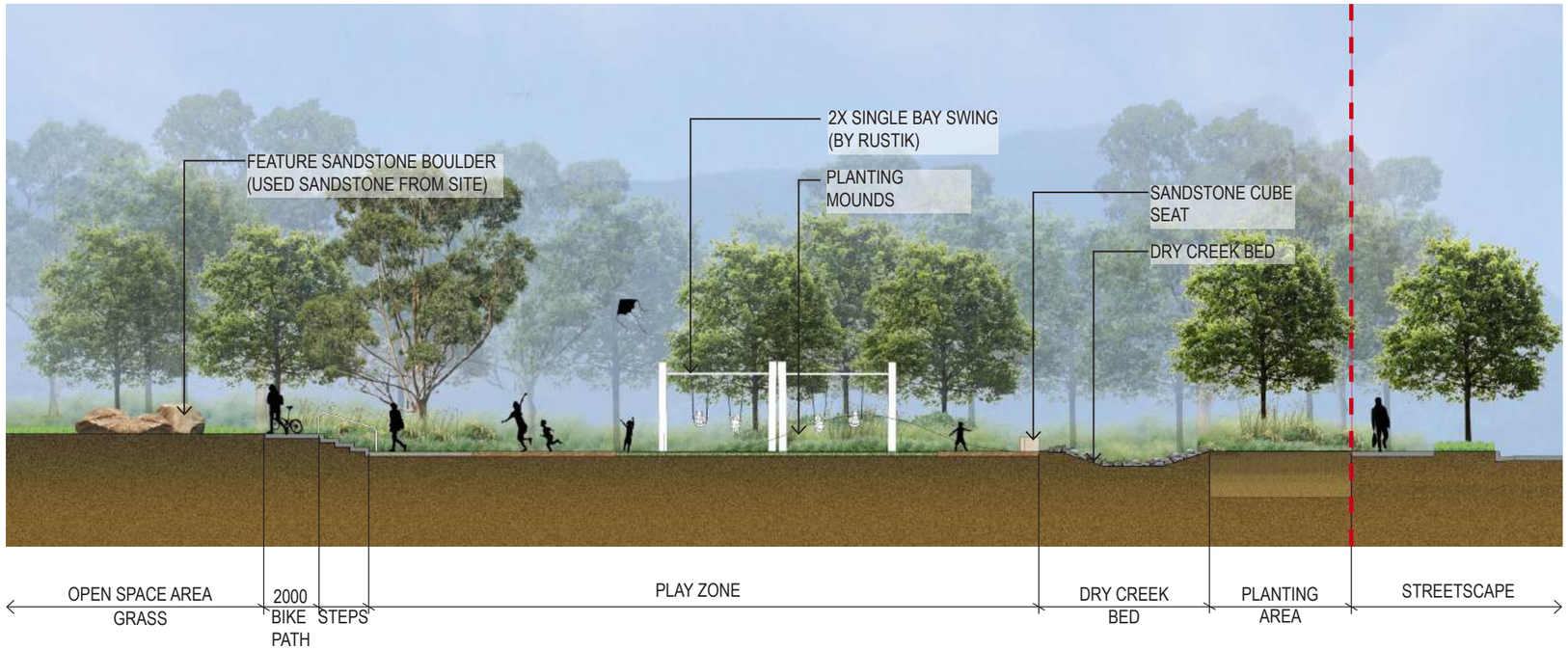
PARK AND PLAYGROUND:

SECTION B-B

ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN



0 2 4 6 8 10m

SCALE 1:200 AT A3

CLIENT

HODGE
DEVELOPMENT
PTY LTD

PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

PARK AND PLAYGROUND
SECTION B-B

SCALE

1:200 @ A3

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L20	G

LANDSCAPE ARCHITECT

HABIT8
Landscape Architecture & Urbanism
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BYRON BAY (Bundjalung country)
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PLEASURE POINT PARK AND PLAYGROUND

ARTIST'S IMPRESSION 01



ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

PARK AND PLAYGROUND
ARTIST'S IMPRESSION 01

SCALE

NTS

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L21	G

LANDSCAPE ARCHITECT

HABIT8
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PLEASURE POINT PARK AND PLAYGROUND

ARTIST'S IMPRESSION 02



ISSUE	DATE	PURPOSE
A	24.05.24	CLIENT REVIEW
B	03.06.24	CLIENT REVIEW
C	07.06.24	CLIENT REVIEW
D	12.06.24	CLIENT REVIEW
E	19.08.24	CLIENT REVIEW
F	20.08.24	CLIENT REVIEW
G	29.08.24	CLIENT REVIEW



KEYPLAN

CLIENT

HODGE DEVELOPMENT PTY LTD

PROJECT

PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE

PARK AND PLAYGROUND
ARTIST'S IMPRESSION 02

SCALE

NTS

DRAWN	CHECKED
KM / DF / GP	DV

PROJECT NO.	DRAWING NO.	REVISION
H8-24016-2	L22	G

LANDSCAPE ARCHITECT

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INDICATIVE PLANT PALETTE : PARK AND PLAYGROUND

PLANT IMAGERY

TURF SWALE TREES


Casuarina glauca
SWAMP SHEOAK


Acacia parramattensis
SYDNEY GREEN WATTLE

PLAYGROUND TREES


Angophora costata
SMOOTH BARKED APPLE


Ficus rubiginosa
RUSTY FIG


Elaeocarpus reticulatus
BLUEBERRY ASH

OPEN SPACE AREA TREES


Flindersia australis
CROW'S ASH


Lophostemon confertus
BRUSH BOX


Eucalyptus piperita
SYDNEY PEPPERMINT

SHRUBS, GROUNDCOVERS & GRASSES


Callistemon viminalis 'Little John'


Callistemon viminalis 'White Anzac'


Banksia spinulosa
HAIRPIN BANKSIA


Doryanthes excelsa
GYMEA LILY


Grevillea 'Poorinda Royal Mantle'


Hardenbergia violacea
FALSE SARSAPARILLA

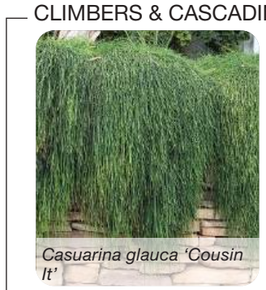

Actinotus helianthi
FLANNEL FLOWER


Dianella revoluta
MAUVE FLAX LILY


Poa labillardierei
TUSSOCK


Dianella caerulea
BLUE FLAX LILY

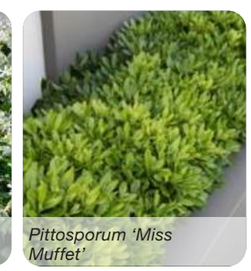
CLIMBERS & CASCADING PLANTS


Casuarina glauca 'Cousin It'


Pandorea pandorana
WONGA VINE


Dichondra argentea 'Silver Falls'


Trachelospermum jasminoides


Pittosporum 'Miss Muffet'


Rhaphiolepis indica 'Snow Maiden'

PLANT LIST

**Exotic species*

	SPECIES	COMMON NAME	HEIGHT (M)	WIDTH (M)
TREES	*Casuarina glauca*	SWAMP SHEOAK	10	8
	Acacia parramattensis	SYDNEY GREEN WATTLE	10	8
	Angophora costata	SMOOTH BARKED APPLE	12	10
	Ficus rubiginosa	RUSTY FIG	10	10
	Elaeocarpus reticulatus	BLUEBERRY ASH	8	6
	Eucalyptus piperita	SYDNEY PEPPERMINT	12	15
	Flindersia australis	CROW'S ASH	10	6
	Lophostemon confertus	BRUSH BOX	12	8
SHRUBS, GROUNDCOVERS & GRASSES	*Callistemon viminalis 'Little John'*	BOTTLEBRUSH	1	1
	Callistemon viminalis 'White Anzac'	BOTTLEBRUSH	1	3
	Banksia spinulosa	HAIRPIN BANKSIA	1-1.5	1-1.5
	Doryanthes excelsa	GYMEA LILY	2-4	2-3
	Grevillea 'Poorinda Royal Mantle'	GREVILLEA	0.5	6
	Hardenbergia violacea	FALSE SARSAPARILLA	0.4	2
	Actinotus helianthi	TRAILING GUINEA-FLOWER	0.6	2
	Dianella revoluta	MAUVE FLAX LILY	0.5	0.65
	Poa labillardierei	TUSSOCK	1.2	0.5
	Dianella caerulea	BLUE FLAX LILY	0.45	0.45
	*Pittosporum tobira "Miss Muffett"**	MISS MUFFET	1	1.5
	*Rhaphiolepis indica 'Snow Maiden'**	INDIAN HAWTHORN	0.6	0.5
CLIMBERS	*Casuarina glauca 'Cousin It'*	SHE-OAK	0.15	1
	Pandorea pandorana	WONGA VINE	6	6
	*Dichondra argentea 'Silver Falls'**	SILVER NICKLE VINE	0.1	1.5
	Hibbertia empetrifolia	TRAILING GUINEA-FLOWER	0.6	2

ISSUE	DATE	PURPOSE
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G	29.08.24	CLIENT REVIEW

CLIENT
HODGE DEVELOPMENT PTY LTD

PROJECT
PLEASURE POINT SUBDIVISION
54 PLEASURE POINT ROAD
HOLSWORTHY NSW

DRAWING TITLE
INDICATIVE PLANT PALETTE

SCALE
NTS

DRAWN
KM / DF / GP

CHECKED
DV

PROJECT NO.
H8-24016-2

DRAWING NO.
L23

REVISION
G

LANDSCAPE ARCHITECT

HABIT8
Landscape Architecture & Urbanism
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BYRON BAY (Bundjalung country)
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300362-CENG-001

CONCEPT ENGINEERING PLANS OF ' PROPOSED SUBDIVISION - STAGES 1-7' LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT



LOCALITY SKETCH
NOT TO SCALE

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: COVER SHEET & LOCALITY SKETCH

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	001	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:43:59PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-001.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-002

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100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: INDEX OF DRAWINGS

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 002 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:02PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-002.DWG

300362-CENG-003



OVERALL PLAN

SCALE 1:2500

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson

Central Coast
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: OVERALL SITE PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	003	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-003.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-004



STAGING PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 / A3 1:5000 (0, 50, 100, 125m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STAGING PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	004	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-004.DWG

300362-CENG-005



NOTE:

TREES SHOWN BASED UPON DETAILED SITE SURVEY SHOWING TREES WITH A DIAMETER OF 300mm OR GREATER. REFER TO BDAR FOR FULL EXTENT OF VEGETATION REMOVAL.

TREE CLEARING PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TREE CLEARING PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 005 REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:25PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-005.DWG

300362-CENG-101

REFER SHEET 102 FOR CONTINUATION

REFER SHEET 103 FOR CONTINUATION

LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER (SW)
- PROPOSED SEWER (S)
- EXISTING STORMWATER (ex SW)
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

ROAD No.7
ROAD No.10
ROAD No.12
ROAD No.9
ROAD No.1
HEATHCOTE ROAD
PLEASURE POINT ROAD

PROPOSED ACOUSTIC WALL. REFER SHEET 202 FOR DETAILS

PROPOSED LANDSCAPE ENTRY FEATURE. REFER LANDSCAPE DRAWINGS FOR DETAILS

EXISTING SERVICES TO BE RELOCATED AS REQUIRED

WIDEN PLEASURE POINT ROAD. REFER SHEET 201 FOR DETAILS

PROPOSED INTERSECTION UPGRADE. SUBJECT TO SEPARATE APPROVAL. REFER TO PLANS PREPARED BY ADW JOHNSON REF: 300362-ESK-001-006_[B] FOR DETAILS

PROPOSED ROUNDABOUT. REFER SHEET 302 FOR DETAILS

PROPOSED BUS STOP/ENTRY FEATURE. REFER SHEET 311 FOR TYPICAL DETAILS

1.5m WIDE FOOTPATH
SA KERB
2.5m WIDE SHARED PATH
SF KERB
1.5m WIDE FOOTPATH

72 D.P. 1134477
71 D.P. 1134477
75 D.P. 1134478
762 D.P. 1217961
77 D.P. 1134478
5 D.P. 239468
83 D.P. 1134481
84 D.P. 1134481
85 D.P. 1134481
172 D.P. 15226
171 D.P. 15226
170 D.P. 15226
169 D.P. 15226
168 D.P. 152

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 (0, 12.5, 25.0m) A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 101 – REV. E

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.
100mm AT FULL SIZE

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:34PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-101.DWG

300362-CENG-101

LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER (SW)
- PROPOSED SEWER (S)
- EXISTING STORMWATER (ex SW)
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

M.G.A.

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

489 D.P. 752034

485 D.P. 752034

792 D.P. 48718

PROPOSED 1.5x2.5m GRATED SURFACE INLET PIT

REFER LANDSCAPE PLANS FOR PARK DETAILS

CONSTRUCT SWALE. REFER SHEET 491 FOR DETAILS

PROPOSED 1.5x2.0m GRATED SURFACE INLET PIT

CONSTRUCT SWALE. REFER SHEET 491 FOR DETAILS

PROPOSED ROUNDABOUT. REFER SHEET 301 FOR DETAILS

PROPOSED BUS BAY

ROAD No.7

2.5m WIDE SHARED PATH

SA KERB

1.5m WIDE FOOTPATH

PROPOSED ACOUSTIC WALL. REFER SHEET 202 FOR DETAILS

HEATHCOTE ROAD

INLET PIT TO CAPTURE OVERLAND FLOWS ALONG HEATHCOTE ROAD & CONVEY TO DOWNSTREAM WATERCOURSE. REFER WCMP FOR FURTHER DETAILS

CONSTRUCT SWALE. REFER SHEET 492 FOR DETAILS

ROAD No.8

ROAD No.1

ROAD No.11

ROAD No.9

2.5m WIDE SHARED PATH

BASIN No.3. REFER SHEET 483 FOR DETAILS

REFER SHEET 104 FOR CONTINUATION

REFER SHEET 101 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 2

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	102	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–101.DWG

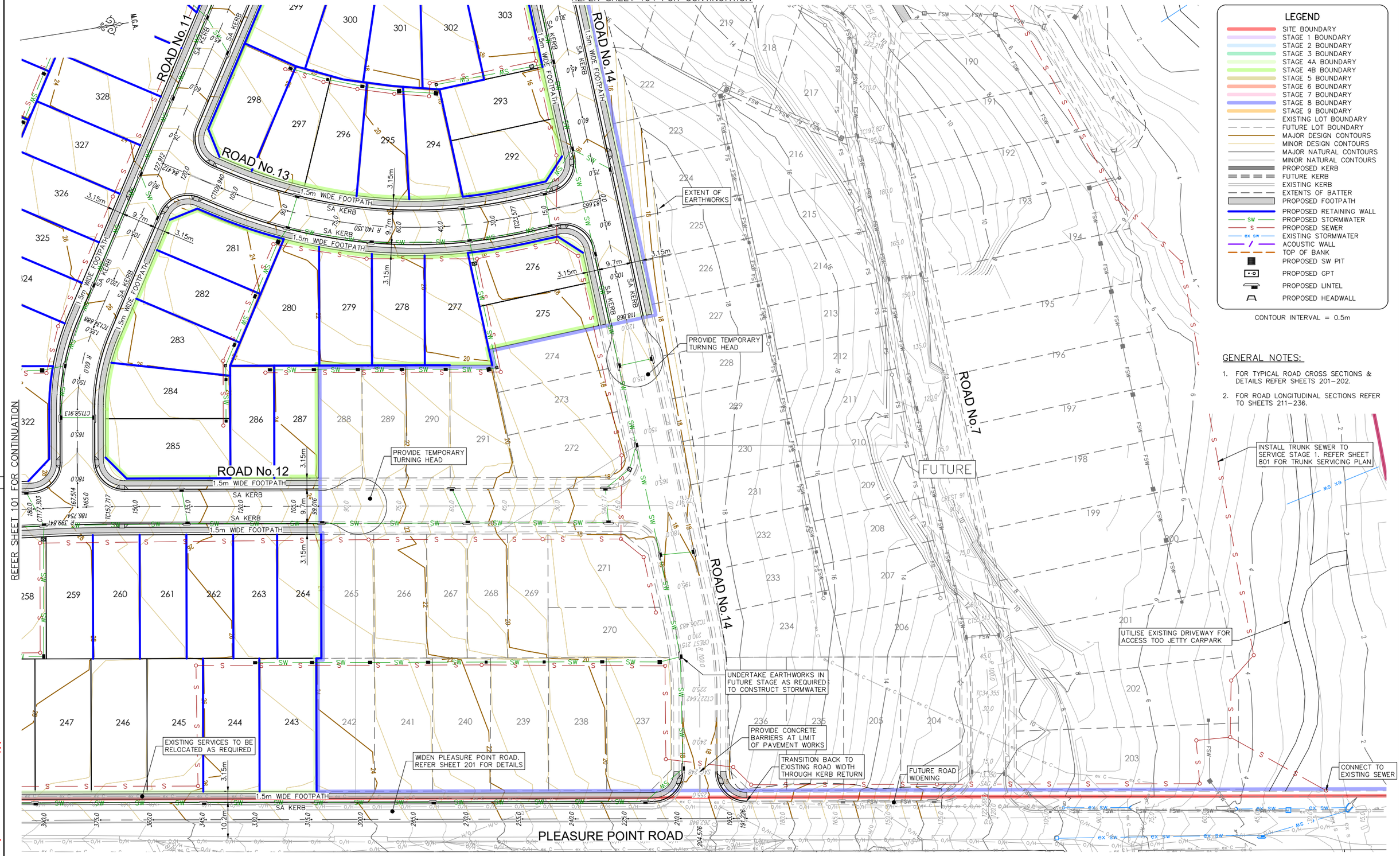
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-101

REFER SHEET 104 FOR CONTINUATION

REFER SHEET 101 FOR CONTINUATION



LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER (SW)
- PROPOSED SEWER (S)
- EXISTING STORMWATER (ex sw)
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 (0, 12.5, 25.0m) A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 103 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:42PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–101.DWG

300362-CENG-101

REFER SHEET 105 FOR CONTINUATION

REFER SHEET 102 FOR CONTINUATION

ROAD No.1

ROAD No.6

ROAD No.3

ROAD No.7

ROAD No.14

1.5m WIDE FOOTPATH

SA KERB

PROPOSED HEADWALL TO DISCHARGE INTO SWALE

PROPOSED TEMPORARY SWALE TO CONVEY OVERLAND FLOWS

PROVIDE TEMPORARY TURNING HEAD

BASIN No.2. REFER SHEET 482 FOR DETAILS

BASIN No.4. REFER SHEET 484 FOR DETAILS

REFER SHEET 471 FOR RIPARIAN CORRIDOR DETAILS

PROVIDE CONCRETE BARRIER AT LIMIT OF PAVEMENT WORKS

FORMALISED CHANNEL TO CONVEY OVERLAND FLOWS. TO BE CONSTRUCTED AS PART OF FUTURE STAGE.

REMOVE REDUNDANT STORMWATER PIT AND PIPE AS PART OF FUTURE WORKS

CONSTRUCT STORMWATER PIT OVER EXISTING STORMWATER PIPE AS PART OF FUTURE WORKS

FUTURE

GEORGES RIVER

M.G.A.

LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- SW PROPOSED STORMWATER
- S PROPOSED SEWER
- ex sw EXISTING STORMWATER
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

REFER SHEET 103 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 104 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:46PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-101.DWG

300362-CENG-101

REFER SHEET 106 FOR CONTINUATION

ROAD No.1

ROAD No.4

ROAD No.5

ROAD No.6

ROAD No.3

RAILWAY CORRIDOR

2
D.P. 1004888

M.G.A.

LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- SW PROPOSED STORMWATER
- S PROPOSED SEWER
- ex sw EXISTING STORMWATER
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

PROPOSED REAR FENCE, REFER SHEET 202 FOR DETAILS

REAR OF LOTS TO DRAIN TOWARDS RAILWAY CORRIDOR TO MAINTAIN EXISTING VEGETATION. EXTENT OF BATTER IS SUBJECT TO DETAILED DESIGN

PROVIDE TEMPORARY TURNING HEAD

BASIN No.5. REFER SHEET 485 FOR DETAILS

FUTURE

PROPOSED 4m WIDE PEDESTRIAN/MAINTENANCE PATH

2.5m WIDE SHARED PATH

1.5m WIDE FOOTPATH

SA KERB

REFER SHEET 104 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Central Coast
5 Pioneer Avenue,
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Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

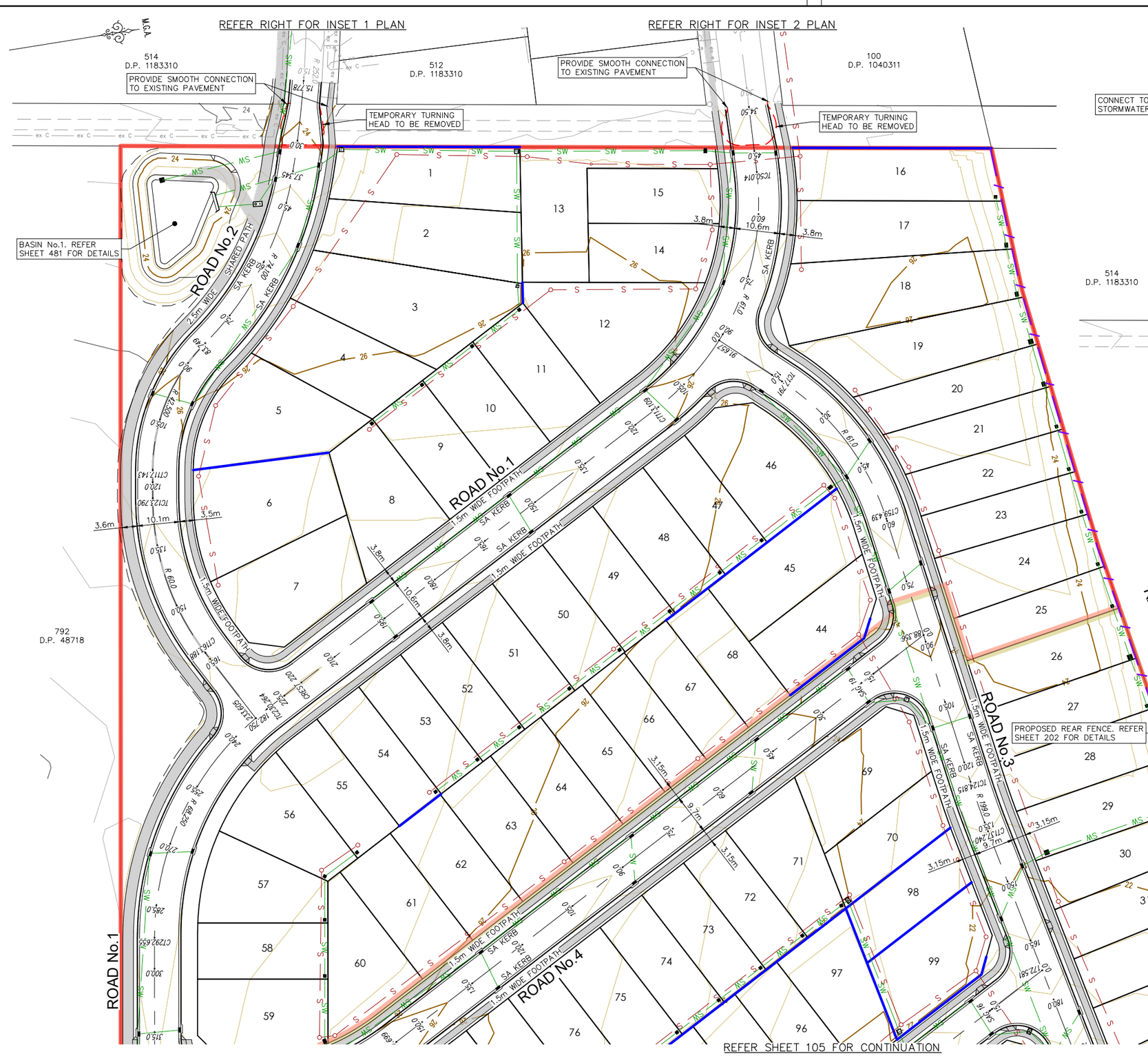
PLAN TITLE: DETAIL PLAN SHEET 5

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 105 – REV. E

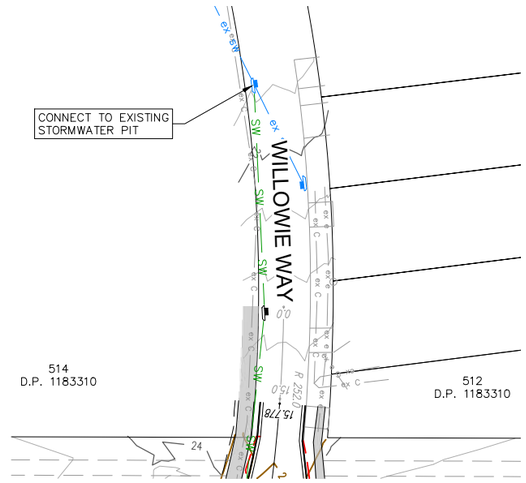
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:44:51PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–101.DWG

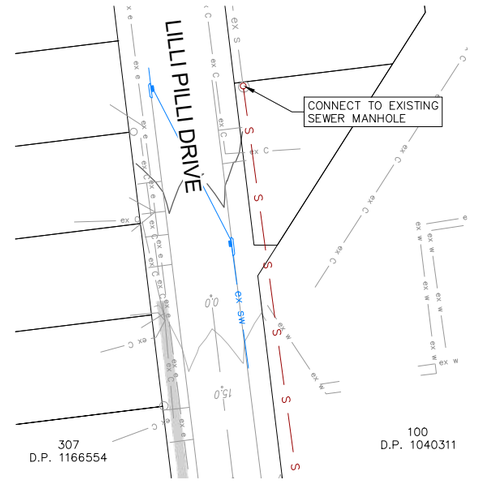
300362-CENG-101



DETAIL PLAN
SCALE 1:500



INSET 1 PLAN
SCALE 1:500



INSET 2 PLAN
SCALE 1:500

REAR OF LOTS TO DRAIN TOWARDS RAILWAY CORRIDOR TO MAINTAIN EXISTING VEGETATION. EXTENT OF BATTER IS SUBJECT TO DETAILED DESIGN

LEGEND

- SITE BOUNDARY
- STAGE 1 BOUNDARY
- STAGE 2 BOUNDARY
- STAGE 3 BOUNDARY
- STAGE 4A BOUNDARY
- STAGE 4B BOUNDARY
- STAGE 5 BOUNDARY
- STAGE 6 BOUNDARY
- STAGE 7 BOUNDARY
- STAGE 8 BOUNDARY
- STAGE 9 BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER (SW)
- PROPOSED SEWER (S)
- EXISTING STORMWATER (ex sw)
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m)

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 6

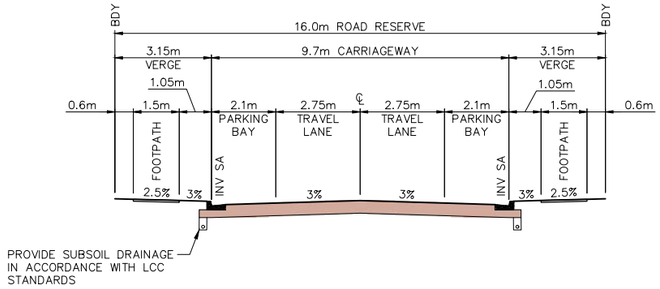
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 106 REV. E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

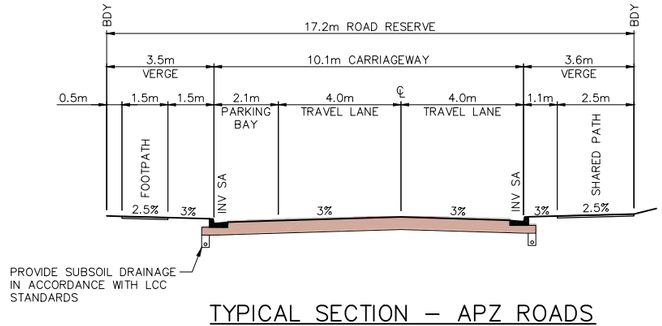
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:00PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-101.DWG

300362-CENG-201



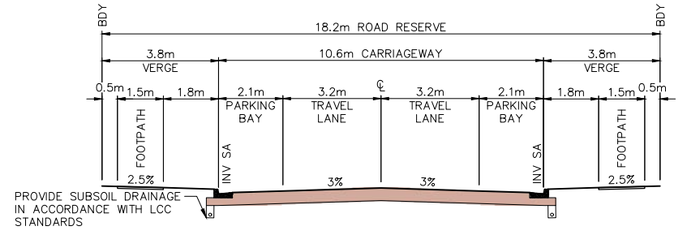
TYPICAL SECTION – LOCAL ROADS

ROAD No.4, ROAD No.5, ROAD No.6, ROAD No.8,
ROAD No.9, ROAD No.10, ROAD No.11, ROAD No.13
ROAD No.14 START TO CH.117.612
ROAD No.12 CH.99.016 TO END
ROAD No.3 START TO CH.300.725
ROAD No.7 CH.673.58 TO END
SCALE 1:100



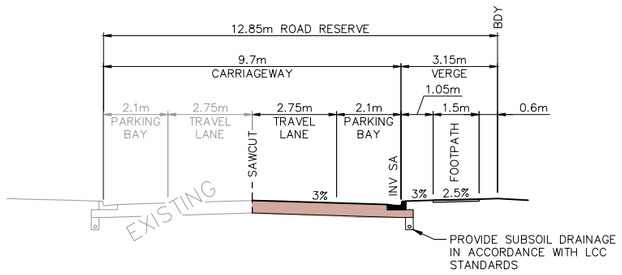
TYPICAL SECTION – APZ ROADS

ROAD No.2
ROAD No.7 CH.484.139 TO CH.673.58
SCALE 1:100



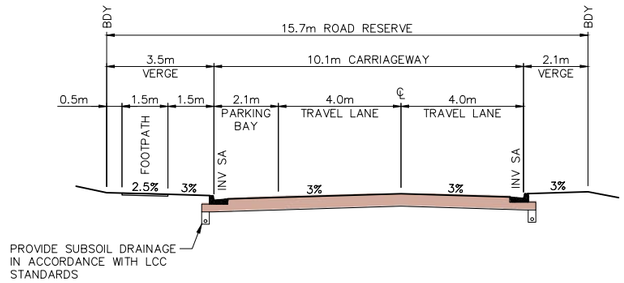
TYPICAL SECTION – COLLECTOR ROADS (JOINING LILLI PILLI ROAD)

ROAD No.1 START TO CH.243.402
SCALE 1:100



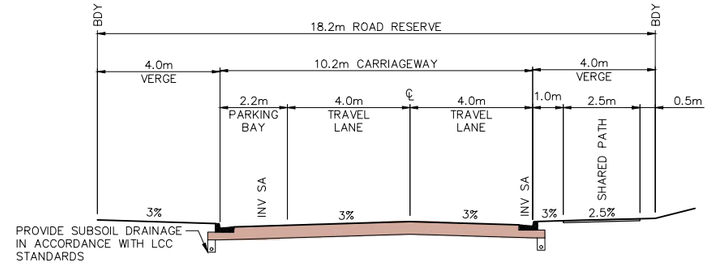
TYPICAL SECTION – LOCAL ROADS (PLEASURE POINT ROAD)

PLEASURE POINT ROAD START TO CH.488.111
SCALE 1:100



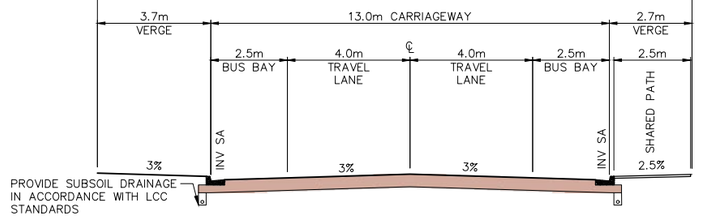
TYPICAL SECTION – PERIMETER ROADS ADJOINING C2 OPEN SPACE

ROAD No.3 CH.584.6057 TO 612.122
ROAD No.7 CH.322.656 TO CH.484.139
SCALE 1:100



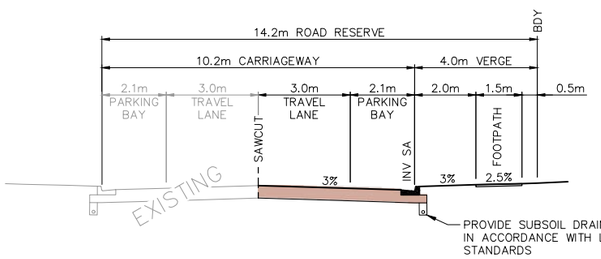
TYPICAL SECTION – COLLECTOR ROADS (WITH SHARED PATH)

ROAD No.1 CH.243.402 TO CH.608.092 & CH.641.635 TO CH.677.738
SCALE 1:100



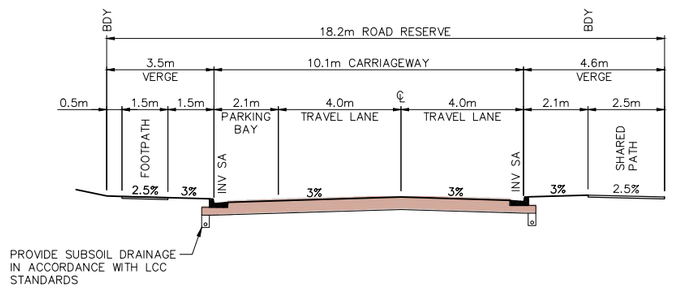
TYPICAL SECTION – COLLECTOR ROADS (WITH SHARED PATH & BUS BAY)

ROAD No.1 CH.608.092 TO CH.641.635
SCALE 1:100



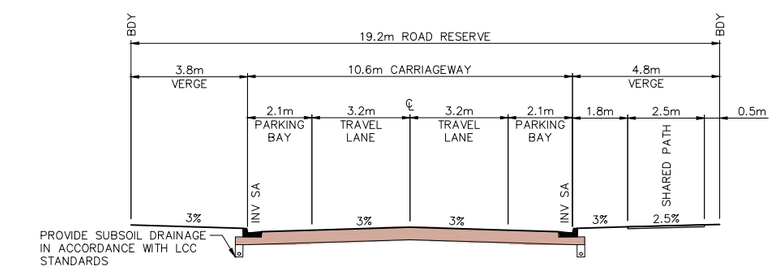
TYPICAL SECTION – COLLECTOR ROADS (PLEASURE POINT ROAD)

ROAD No.1 CH.243.402 TO CH.566.334
SCALE 1:100



TYPICAL SECTION – PERIMETER ROADS ADJOINING C2 OPEN SPACE (WITH SHARED PATH)

ROAD No.3 CH.612.122 TO END
SCALE 1:100



TYPICAL SECTION – COLLECTOR ROADS (WITH SHARED PATH)

ROAD No.1 CH.677.738 TO CH.934.463
SCALE 1:100

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

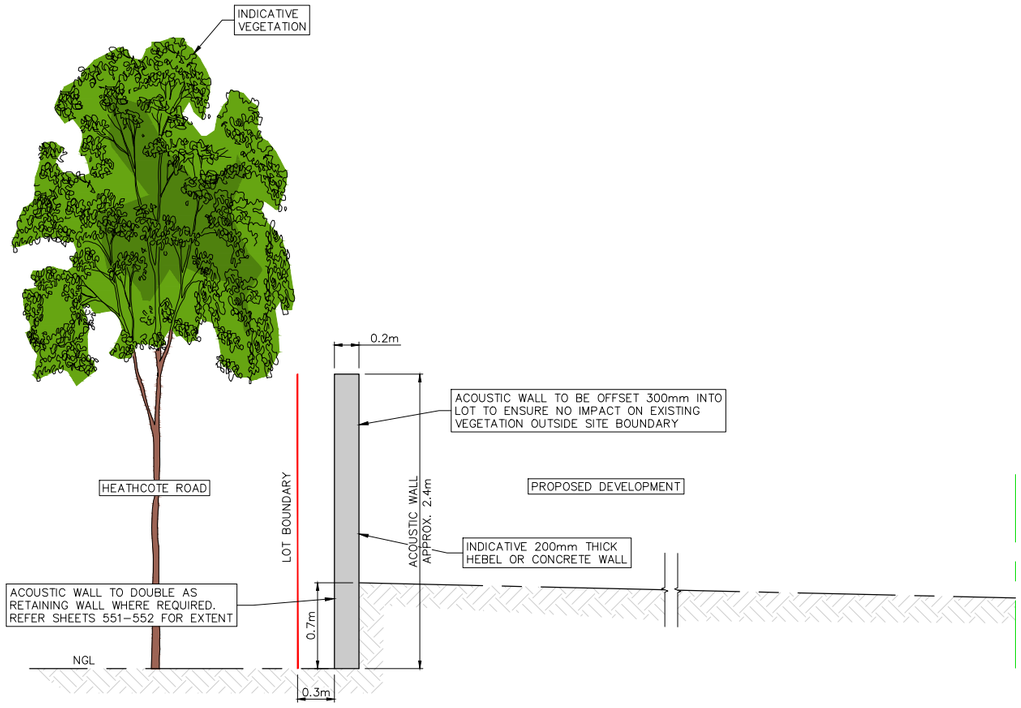
PLAN TITLE: TYPICAL ROAD CROSS SECTIONS & DETAILS SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 201 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-201.DWG

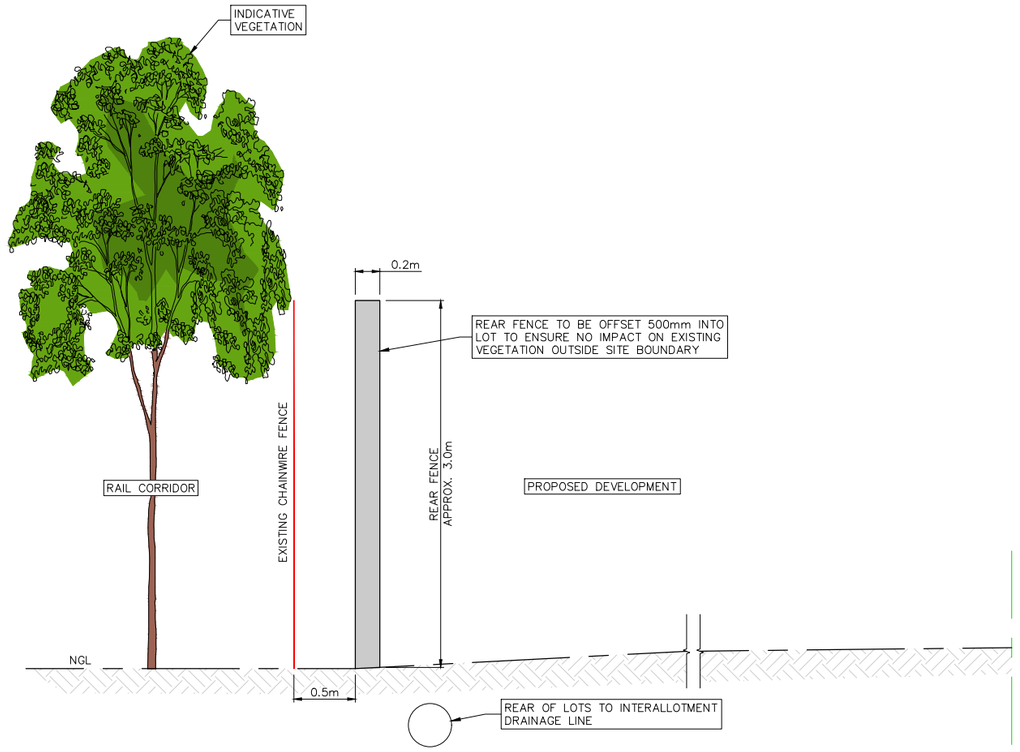
100mm AT FULL SIZE
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300362-CENG-202



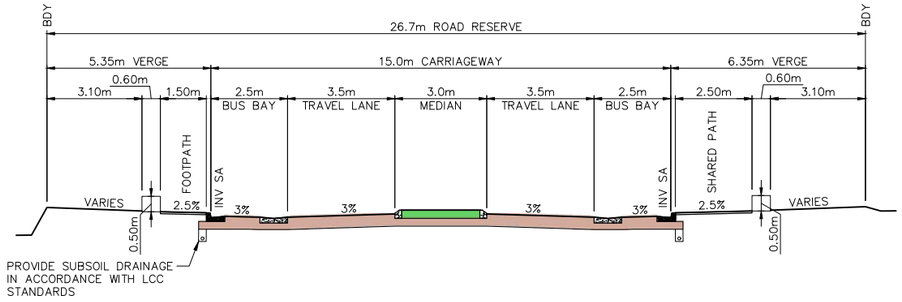
ACOUSTIC WALL DETAIL – HEATHCOTE ROAD

SCALE 1:25



REAR FENCE DETAIL – RAIL CORRIDOR

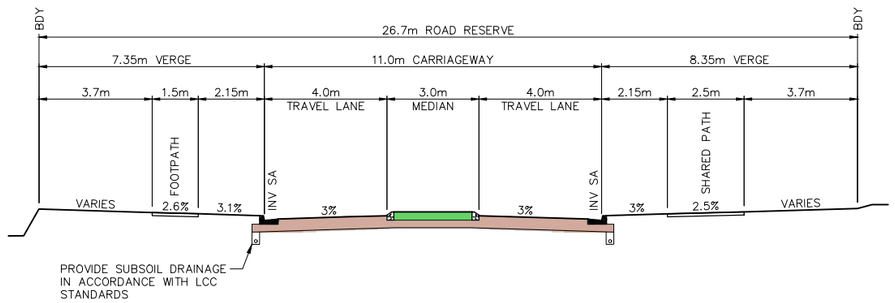
SCALE 1:25



TYPICAL SECTION – COLLECTOR ROAD – ENTRY (WITH BUS BAY)

ROAD No.1 CH.963.996 TO CH.996.440

SCALE 1:100



TYPICAL SECTION – COLLECTOR ROAD – ENTRY

ROAD No.1 (CH.949.148 TO CH.963.9961) & (CH.996.440 TO END)

SCALE 1:100

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:100 — 0 2.5 5.0m — A3 1:200

A1 1:25 — 0 0.25 0.50 0.75 1.00 1.25m — A3 1:50

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TYPICAL ROAD CROSS SECTIONS & DETAILS SHEET 2

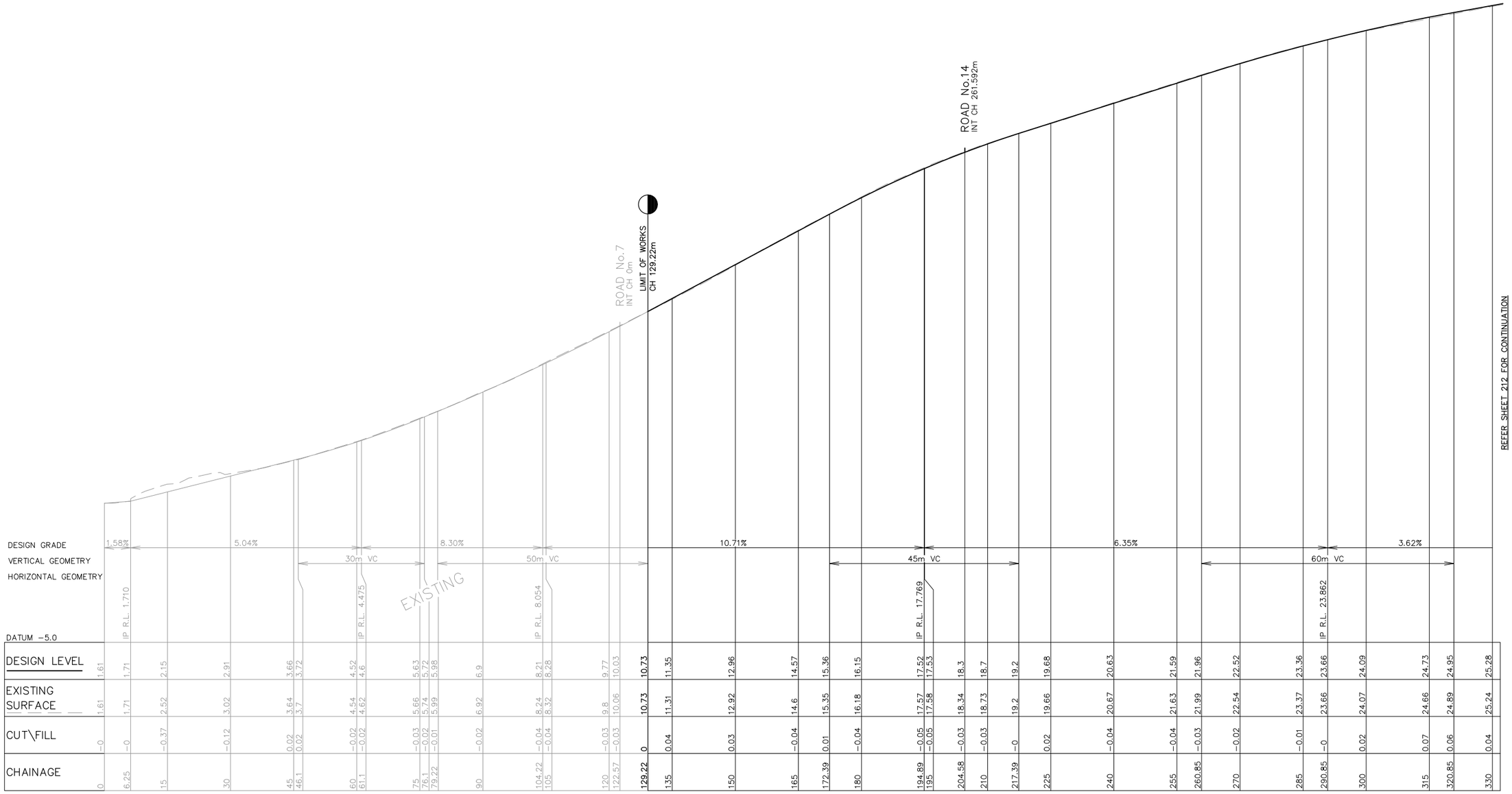
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 202 – REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-202.DWG

300362-CENG-211



LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

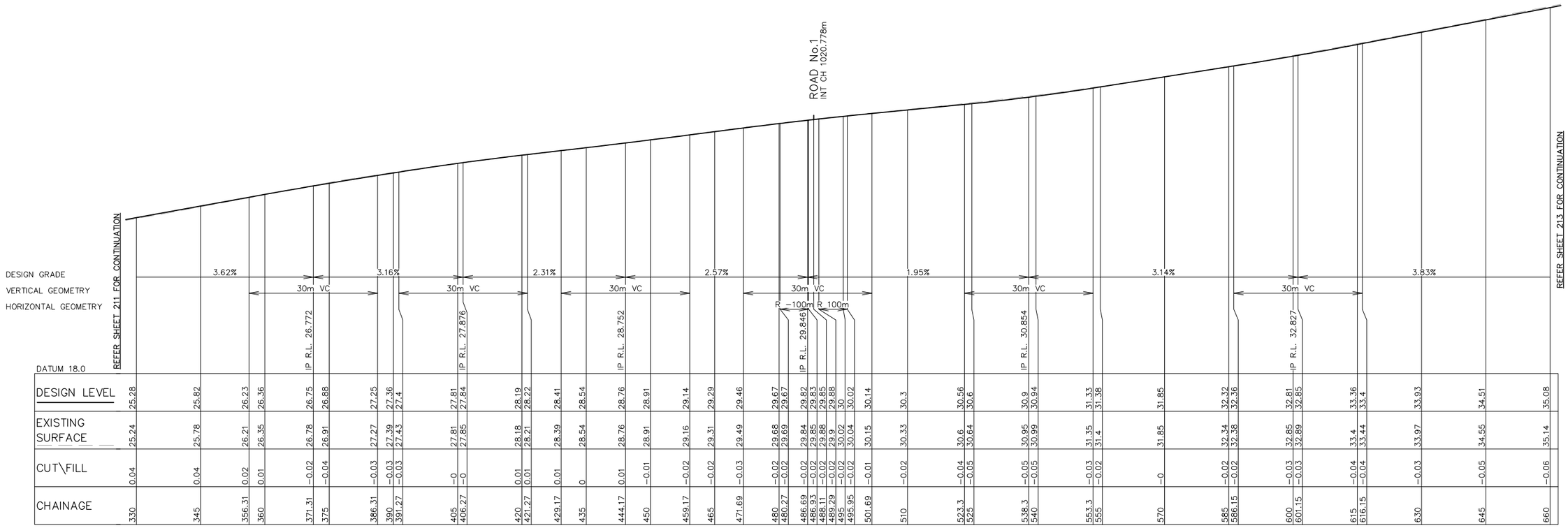
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION PLEASURE POINT ROAD SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 211 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:13PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-211.DWG

100mm AT FULL SIZE
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300362-CENG-212



LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

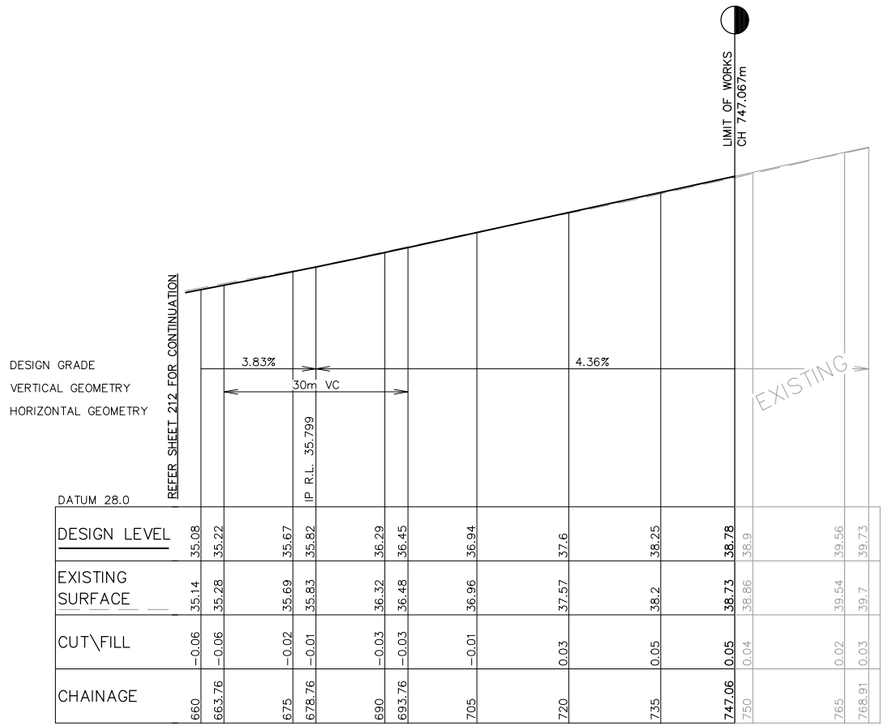
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION PLEASURE POINT ROAD SHEET 2

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	212	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-212.DWG

100mm AT FULL SIZE
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300362-CENG-213



LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

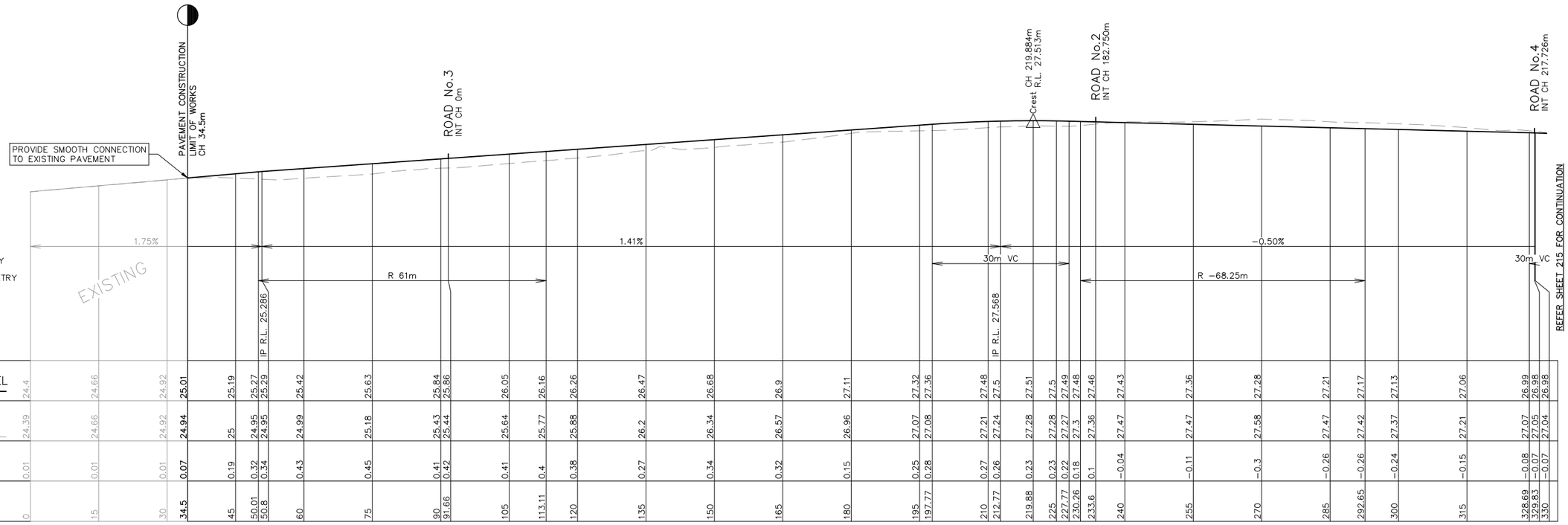
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION PLEASURE POINT ROAD SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 213 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-213.DWG

300362-CENG-214



CHAINAGE	EXISTING SURFACE	CUT\FILL	DESIGN LEVEL
0	24.39	0.01	24.4
15	24.66	0.01	24.66
30	24.92	0.01	24.92
34.5	24.94	0.07	25.01
45	25	0.19	25.19
50.01	24.95	0.32	25.27
50.8	24.95	0.34	25.29
60	24.99	0.43	25.42
75	25.18	0.45	25.63
90	25.43	0.41	25.84
91.66	25.44	0.42	25.86
105	25.64	0.41	26.05
113.11	25.77	0.4	26.16
120	25.88	0.38	26.26
135	26.2	0.27	26.47
150	26.34	0.34	26.68
165	26.57	0.32	26.9
180	26.96	0.15	27.11
195	27.07	0.25	27.32
197.77	27.08	0.28	27.36
210	27.21	0.27	27.48
212.77	27.24	0.26	27.5
219.88	27.28	0.23	27.51
225	27.28	0.23	27.5
227.77	27.27	0.22	27.49
230.26	27.3	0.18	27.48
233.6	27.36	0.1	27.46
240	27.47	-0.04	27.43
255	27.47	-0.11	27.36
270	27.58	-0.3	27.28
285	27.47	-0.26	27.21
292.65	27.42	-0.26	27.17
300	27.37	-0.24	27.13
315	27.21	-0.15	27.06
328.69	27.07	-0.08	26.99
329.83	27.05	-0.07	26.98
330	27.04	-0.07	26.98

LONGITUDINAL SECTION – ROAD No.1 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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5 Pioneer Avenue,
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

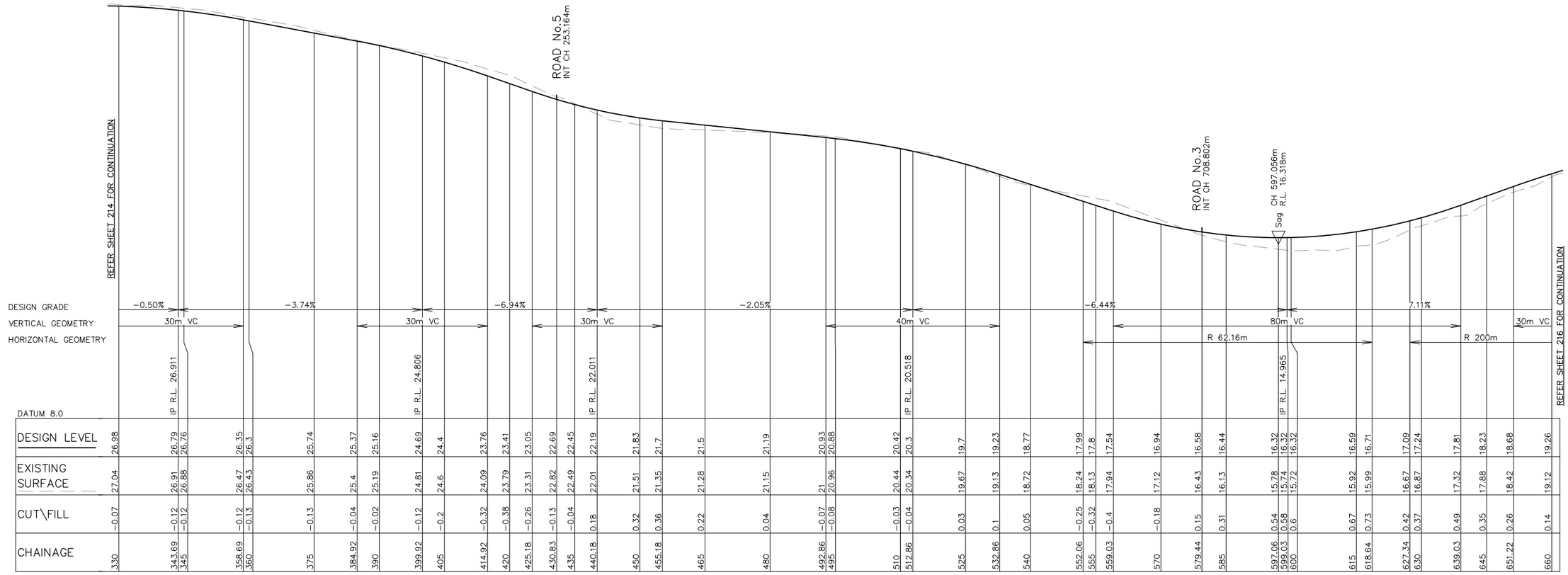
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.1 SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 214 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-214.DWG

300362-CENG-215



LONGITUDINAL SECTION – ROAD No.1 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

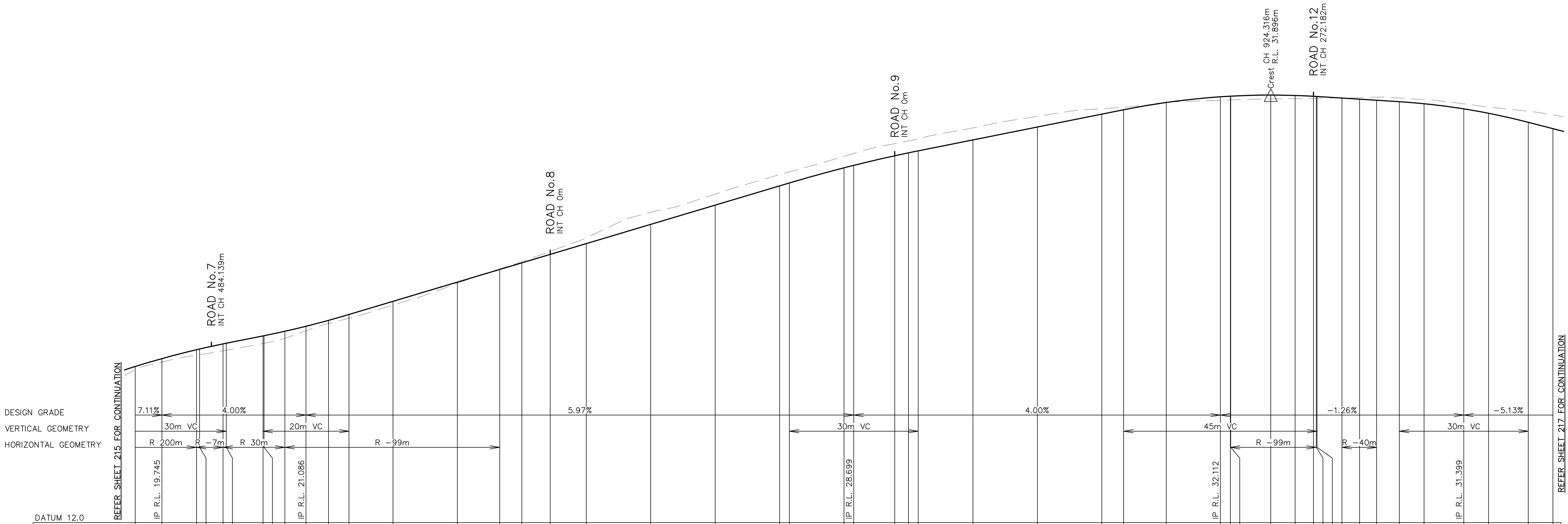
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.1 SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 215 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-215.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-216



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
660	19.26	19.12	0.14
666.22	19.63	19.47	0.16
674.3	20.04	19.79	0.25
675	20.08	19.81	0.26
680.45	20.31	19.99	0.32
681.22	20.34	20.02	0.33
689.76	20.69	20.33	0.35
690	20.7	20.34	0.35
694.85	20.9	20.58	0.33
699.76	21.14	20.92	0.21
705	21.41	21.26	0.15
709.76	21.68	21.51	0.17
720	22.29	22.12	0.17
735	23.19	23.13	0.06
744.85	23.78	23.81	-0.03
750	24.09	24.14	-0.06
756.6	24.48	24.62	-0.14
765	24.98	25.25	-0.27
780	25.88	26.44	-0.56
795	26.77	27.29	-0.51
810	27.67	28.19	-0.53
812.26	27.8	28.33	-0.52
825	28.51	29.04	-0.53
827.26	28.62	29.18	-0.55
836.81	29.07	29.63	-0.56
840	29.21	29.76	-0.55
842.26	29.3	29.86	-0.56
855	29.81	30.37	-0.56
870	30.41	30.91	-0.5
885	31.01	31.26	-0.25
890.08	31.21	31.33	-0.12
900	31.55	31.57	-0.02
912.58	31.82	31.65	0.16
914.92	31.84	31.67	0.17
915	31.85	31.67	0.17
924.32	31.9	31.72	0.18
930	31.88	31.73	0.15
934.27	31.84	31.74	0.09
934.92	31.83	31.75	0.08
935.08	31.83	31.75	0.08
940.89	31.76	31.76	-0.01
945	31.7	31.78	-0.08
948.96	31.65	31.8	-0.15
954.25	31.59	31.76	-0.17
960	31.49	31.68	-0.19
969.25	31.25	31.49	-0.23
975	31.05	31.34	-0.29
984.25	30.63	31.14	-0.52
990	30.33	30.97	-0.64

LONGITUDINAL SECTION – ROAD No.1 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

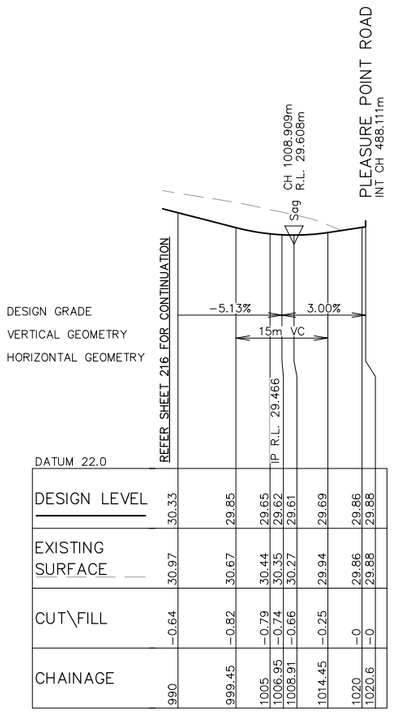
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION
ROAD No.1
SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 216 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:38PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–216.DWG

300362-CENG-217



LONGITUDINAL SECTION – ROAD No.1 – SHEET 4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

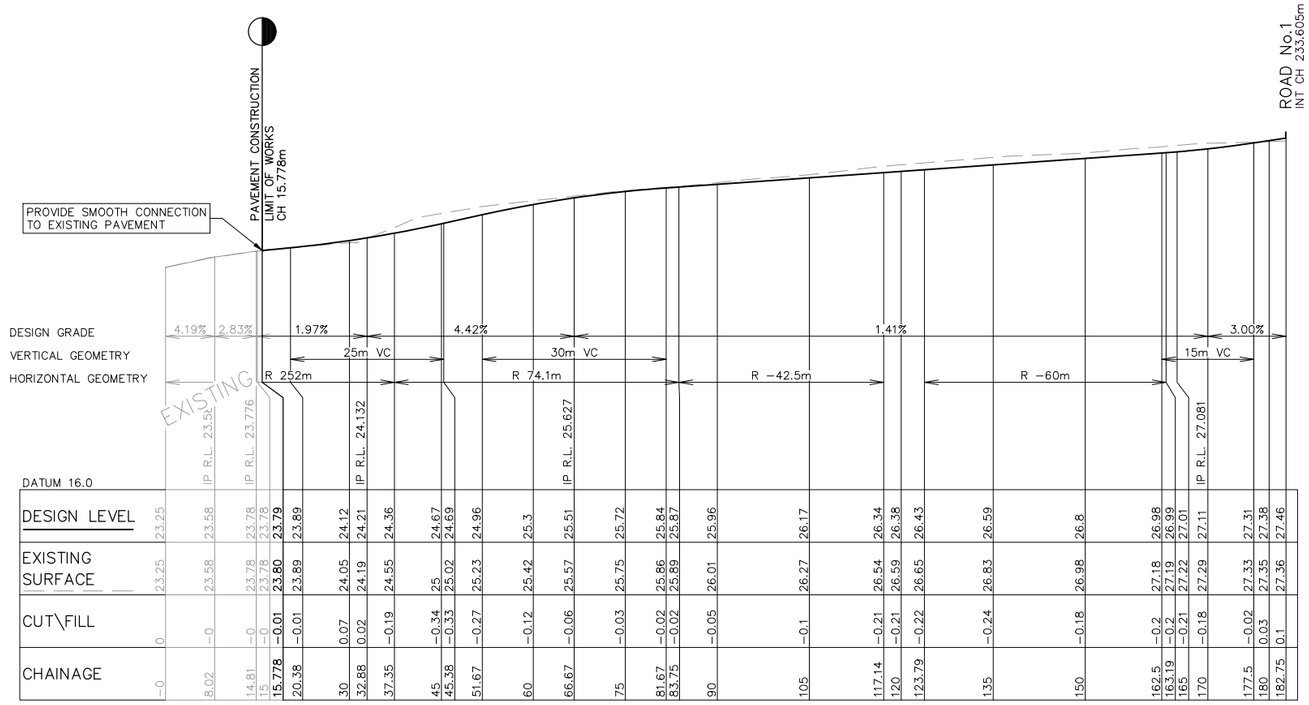
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.1 SHEET 4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 217 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you, do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:43PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-217.DWG

300362-CENG-218



CHAINAGE	EXISTING SURFACE	CUT\FILL	DESIGN LEVEL
0	23.25	0	23.25
8.02	23.58	−0	23.58
14.81	23.78	−0	23.78
15	23.78	−0	23.78
15.778	23.80	−0.01	23.79
20.38	23.89	−0.01	23.89
30	24.05	0.07	24.12
32.88	24.19	0.02	24.21
37.35	24.55	−0.19	24.36
45	25	−0.34	24.67
45.38	25.02	−0.33	24.69
51.67	25.23	−0.27	24.96
60	25.42	−0.12	25.3
66.67	25.57	−0.06	25.51
75	25.75	−0.03	25.72
81.67	25.86	−0.02	25.84
83.75	25.89	−0.02	25.87
90	26.01	−0.05	25.96
105	26.27	−0.1	26.17
117.14	26.54	−0.21	26.34
120	26.59	−0.21	26.38
123.79	26.65	−0.22	26.43
135	26.83	−0.24	26.59
150	26.98	−0.18	26.8
162.5	27.18	−0.2	26.98
163.19	27.19	−0.2	26.99
165	27.22	−0.21	27.01
170	27.29	−0.18	27.11
177.5	27.33	−0.02	27.31
180	27.35	0.03	27.38
182.75	27.36	0.1	27.46

LONGITUDINAL SECTION – ROAD No.2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

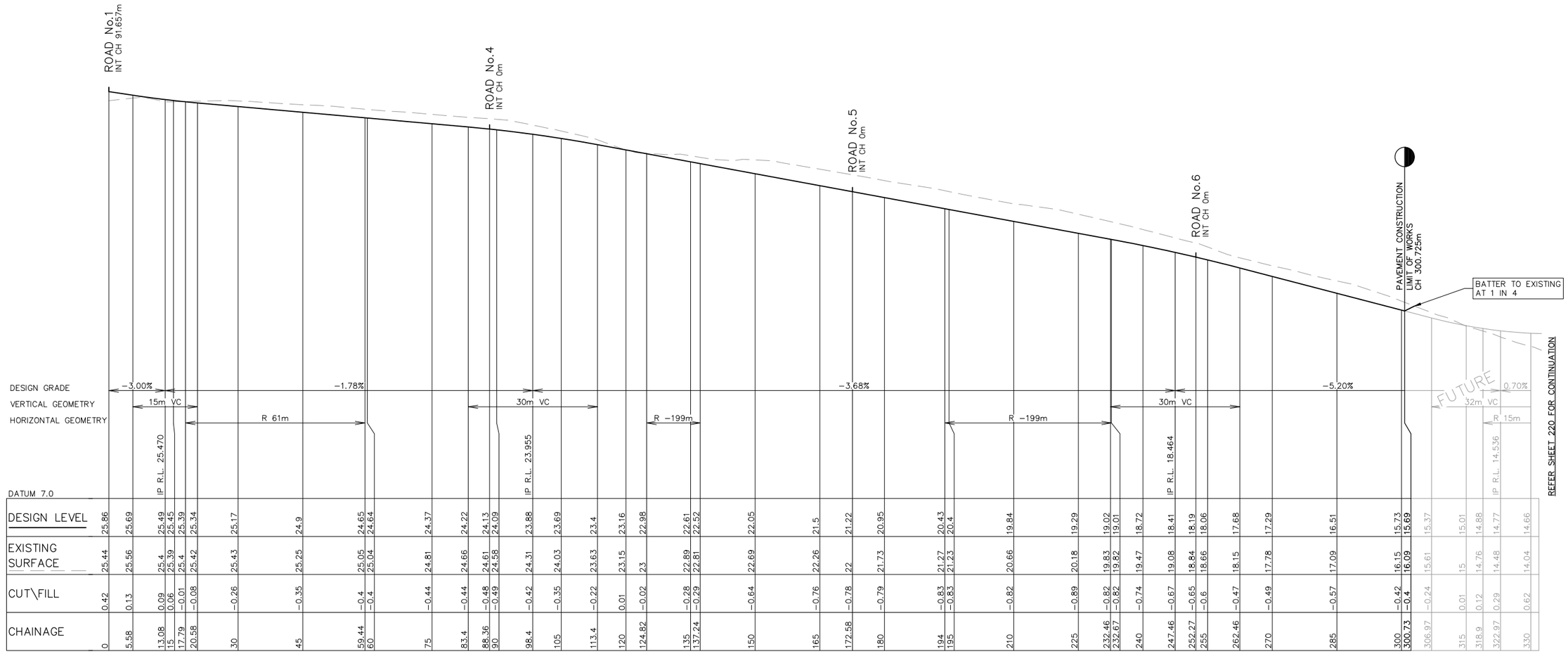
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 218 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-218.DWG

100mm AT FULL SIZE
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300362-CENG-219



LONGITUDINAL SECTION – ROAD No.3 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.3 SHEET 1

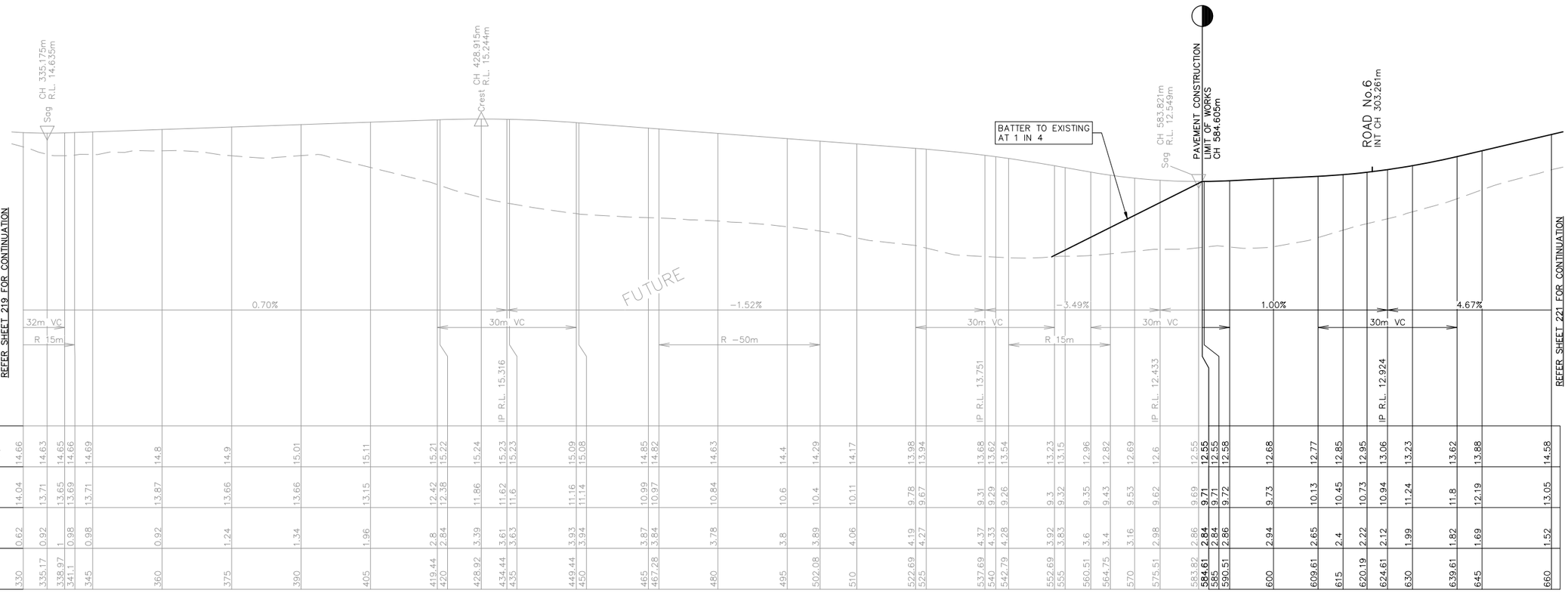
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	219	E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:54PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-219.DWG

300362-CENG-220



LONGITUDINAL SECTION – ROAD No.3 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.3 SHEET 2

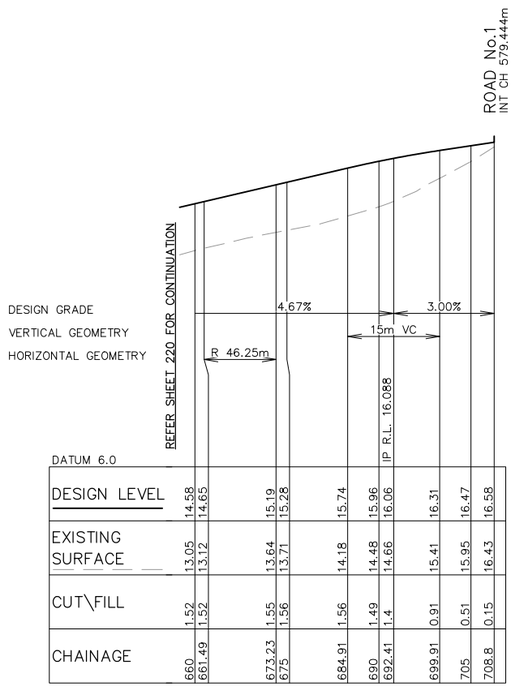
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 220 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:45:59PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-220.DWG

100mm AT FULL SIZE

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300362-CENG-221



LONGITUDINAL SECTION – ROAD No.3 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

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adw johnson
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

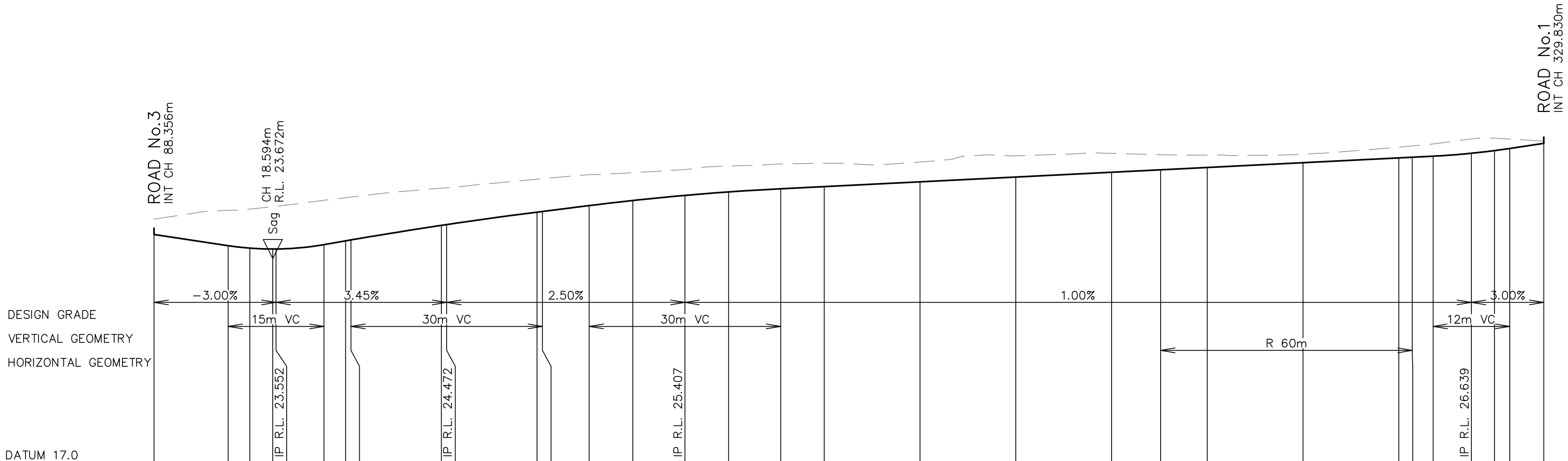
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.3 SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	221	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-221.DWG

300362-CENG-222



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	24.13	24.61	−0.48
11.61	23.78	24.88	−1.1
15	23.7	24.92	−1.22
18.59	23.67	25	−1.32
19.11	23.67	25.01	−1.33
26.61	23.81	25.2	−1.39
30	23.93	25.28	−1.35
30.84	23.96	25.3	−1.34
45	24.41	25.58	−1.16
45.84	24.44	25.59	−1.15
60	24.83	25.86	−1.03
60.84	24.85	25.87	−1.02
68.17	25.03	26	−0.97
75	25.19	26.06	−0.87
83.17	25.35	26.16	−0.81
90	25.46	26.27	−0.81
98.17	25.56	26.34	−0.78
105	25.63	26.36	−0.73
120	25.78	26.4	−0.62
135	25.93	26.59	−0.67
150	26.08	26.67	−0.59
157.7	26.15	26.63	−0.47
165	26.23	26.61	−0.39
180	26.38	26.64	−0.27
195	26.53	26.86	−0.34
197.1	26.55	26.9	−0.35
200.38	26.58	26.96	−0.38
206.38	26.67	27.12	−0.45
210	26.75	27.14	−0.39
212.38	26.82	27.11	−0.29
217.73	26.98	27.05	−0.07

LONGITUDINAL SECTION – ROAD No.4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

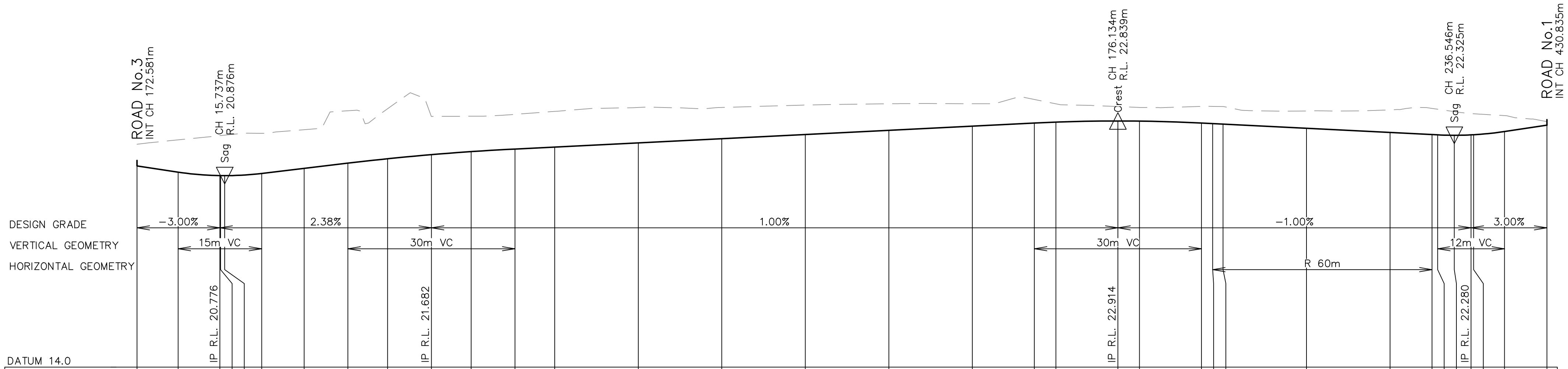
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 222 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:09PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–222.DWG

300362-CENG-223



DESIGN LEVEL	21.22	21	20.88	20.88	20.88	20.96	21.14	21.32	21.48	21.63	21.74	21.83	21.9	22.05	22.2	22.35	22.5	22.65	22.76	22.8	22.84	22.83	22.76	22.74	22.73	22.58	22.43	22.35	22.34	22.33	22.34	22.35	22.46	22.69
EXISTING SURFACE	22	22.16	22.31	22.31	22.33	22.4	22.52	23.21	23.28	23	23.01	23.08	23.18	23.33	23.32	23.41	23.46	23.46	23.61	23.46	23.36	23.33	23.37	23.36	23.36	23.2	23.24	23.29	23.26	23.17	23.11	23.1	23.03	22.82
CUT\FILL	-0.78	-1.16	-1.43	-1.44	-1.45	-1.44	-1.39	-1.88	-1.8	-1.37	-1.27	-1.25	-1.28	-1.27	-1.12	-1.06	-0.95	-0.81	-0.85	-0.66	-0.52	-0.49	-0.6	-0.62	-0.63	-0.62	-0.81	-0.94	-0.92	-0.85	-0.77	-0.75	-0.57	-0.13
CHAINAGE	0	7.38	14.88	15	15.74	22.38	30	37.86	45	52.86	60	67.86	75	90	105	120	135	150	161.13	165	176.13	180	191.13	193.14	195	210	225	232.54	233.55	236.55	239.55	240	245.55	253.16

LONGITUDINAL SECTION – ROAD No.5

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

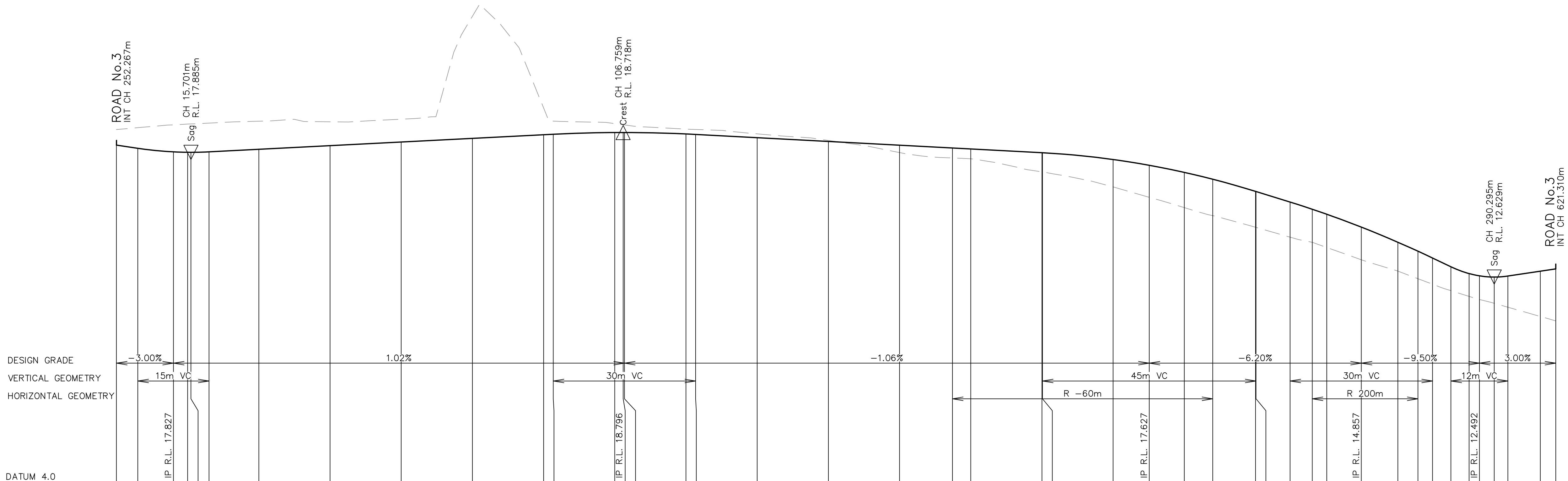
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTION
ROAD No.5

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 223 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:14PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-223.DWG

300362-CENG-224



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	18.19	18.84	−0.65
4.5	18.05	18.92	−0.87
12	17.9	19.04	−1.14
15	17.89	19.07	−1.19
15.7	17.88	19.08	−1.19
19.5	17.9	19.11	−1.21
30	18.01	19.2	−1.18
45	18.16	19.17	−1.01
60	18.32	19.28	−0.96
75	18.47	23.61	−5.14
90	18.62	19.75	−1.13
92.03	18.64	19.2	−0.56
105	18.72	19.09	−0.38
106.76	18.72	19.05	−0.33
107.03	18.72	19.04	−0.32
120	18.66	18.86	−0.21
122.03	18.64	18.85	−0.21
135	18.5	18.66	−0.16
150	18.34	18.38	−0.04
165	18.18	17.87	0.31
176.15	18.07	17.65	0.42
180	18.02	17.61	0.41
195	17.87	17.06	0.8
195.1	17.86	17.06	0.8
210	17.58	16.43	1.15
217.6	17.34	15.99	1.34
225	17.04	15.56	1.48
230.99	16.75	15.22	1.53
240	16.24	14.73	1.51
240.1	16.23	14.72	1.51
247.29	15.79	14.31	1.48
251.96	15.49	14.09	1.39
255	15.28	13.88	1.4
262.29	14.73	13.36	1.38
270	14.09	12.88	1.22
274.23	13.72	12.56	1.16
277.29	13.43	12.33	1.1
281.17	13.06	12.05	1.01
285	12.77	11.81	0.96
287.17	12.68	11.68	1
290.3	12.63	11.52	1.11
293.17	12.67	11.36	1.31
300	12.88	10.97	1.91
303.26	12.97	10.78	2.19

LONGITUDINAL SECTION – ROAD No.6

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

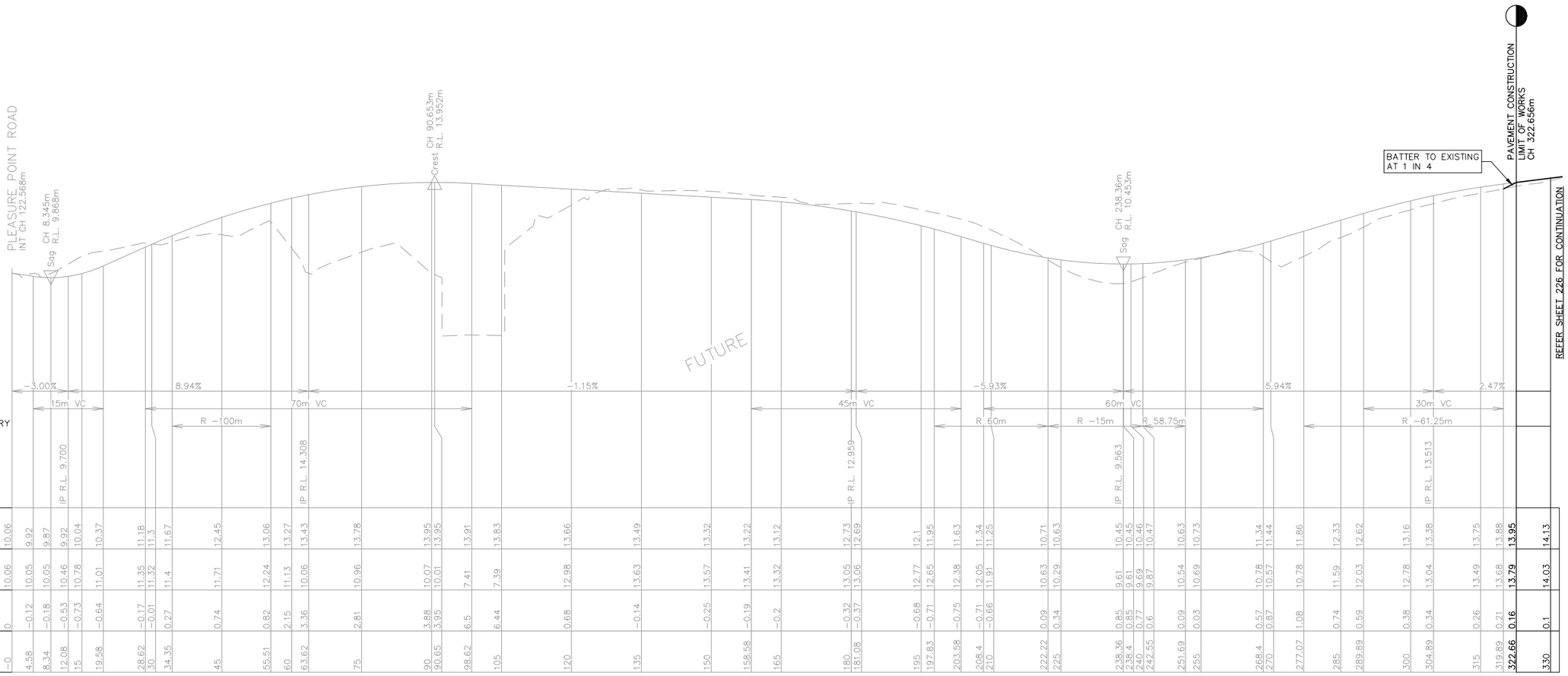
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.6

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	224	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:19PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–224.DWG

300362-CENG-225



LONGITUDINAL SECTION – ROAD No.7 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200
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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

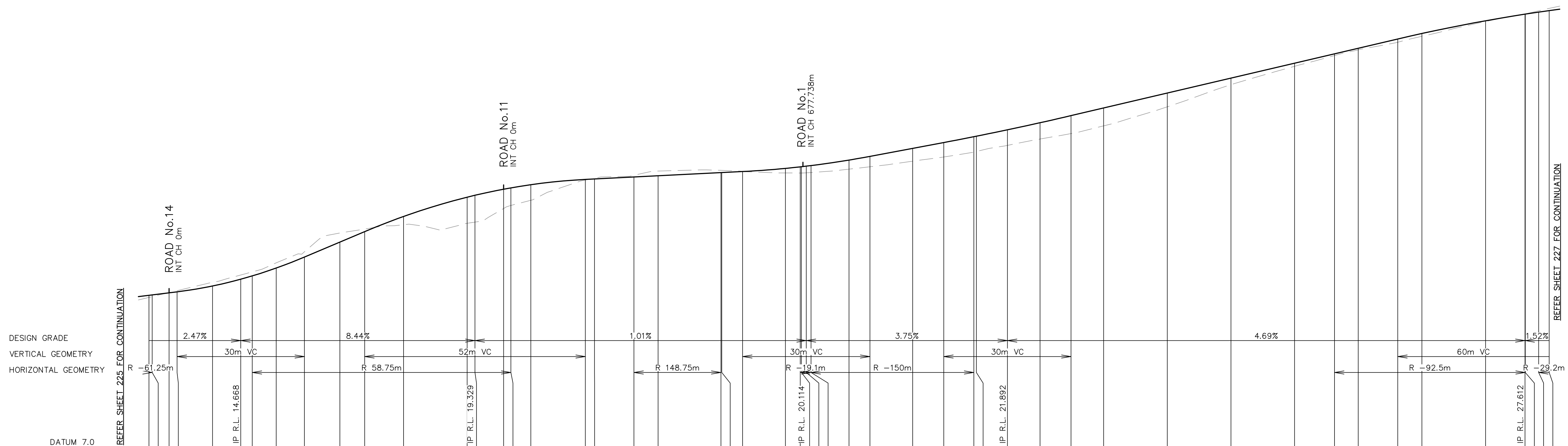
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.7 SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	225	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-225.DWG

300362-CENG-226



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
330	14.13	14.03	0.1
330.77	14.15	14.07	0.08
334.75	14.25	14.26	−0.01
336.64	14.3	14.35	−0.05
345	14.57	14.75	−0.18
351.64	14.89	15.09	−0.2
354.34	15.05	15.24	−0.19
360	15.42	15.66	−0.25
366.64	15.93	16.19	−0.26
375	16.64	17.07	−0.43
380.85	17.13	17.25	−0.12
390	17.85	17.46	0.39
405	18.76	17.53	1.23
406.85	18.85	17.59	1.25
413.6	19.13	18.23	0.9
415.3	19.19	18.37	0.83
420	19.34	18.61	0.73
432.85	19.59	19.56	0.03
435	19.61	19.65	−0.04
444.3	19.71	19.79	−0.08
450	19.76	19.99	−0.22
464.8	19.91	20.02	−0.11
465	19.91	20.02	−0.1
469.91	19.96	19.97	−0
480	20.11	19.9	0.22
483.5	20.18	19.89	0.29
483.76	20.19	19.89	0.3
484.91	20.22	19.9	0.32
486.04	20.24	19.92	0.33
495	20.5	20.07	0.43
499.91	20.68	20.19	0.49
510	21.05	20.45	0.6
517.32	21.33	20.65	0.68
524.4	21.6	20.88	0.72
525	21.63	20.91	0.72
532.32	21.93	21.19	0.73
540	22.26	21.49	0.77
547.32	22.6	21.75	0.85
555	22.96	22.11	0.84
570	23.66	23.01	0.65
585	24.36	24.05	0.31
600	25.07	24.92	0.15
609.41	25.51	25.43	0.08
615	25.77	25.7	0.07
624.3	26.21	26.05	0.15
630	26.46	26.33	0.13
645	27.06	27.03	0.04
654.3	27.37	27.38	−0.01
654.36	27.38	27.38	−0.01
657.52	27.47	27.53	−0.06
660	27.54	27.65	−0.1

LONGITUDINAL SECTION – ROAD No.7 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

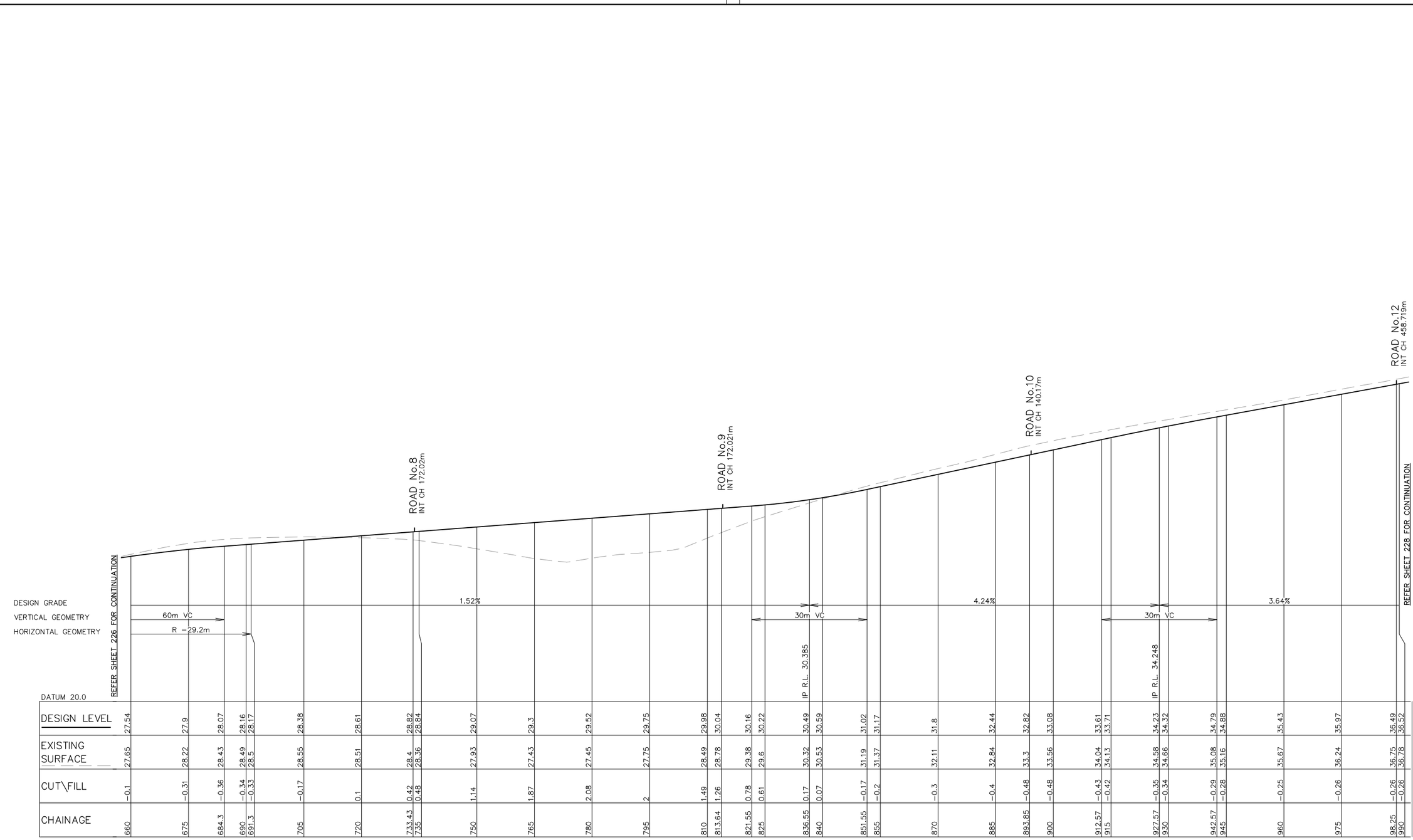
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTION
ROAD No.7
SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 226 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–226.DWG

300362-CENG-227



LONGITUDINAL SECTION – ROAD No.7 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

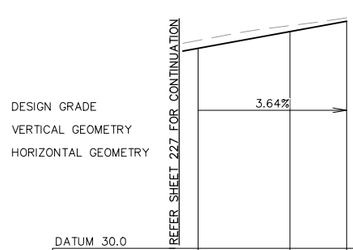
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.7 SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	227	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-227.DWG

300362-CENG-228



DESIGN GRADE			
VERTICAL GEOMETRY			
HORIZONTAL GEOMETRY			
DATUM 30.0			
DESIGN LEVEL	36.52	37.06	37.4
EXISTING SURFACE	36.78	37.26	37.51
CUT\FILL	-0.26	-0.2	-0.11
CHAINAGE	990	1005	1014.25

LONGITUDINAL SECTION – ROAD No.7 – SHEET 4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.7 SHEET 4

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	228	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:38PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-228.DWG

300362-CENG-229



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	24.48	24.62	-0.14
11.96	24.12	24.64	-0.52
15	24.07	24.63	-0.56
15.23	24.07	24.63	-0.56
17.96	24.11	24.62	-0.51
23.96	24.42	24.58	-0.16
30	24.91	24.57	0.34
35.34	25.33	24.58	0.75
45	26.02	24.41	1.61
50.34	26.32	24.28	2.04
60	26.73	24.22	2.51
65.34	26.88	24.21	2.67
75	27.1	24.15	2.96
90	27.45	24.12	3.33
105	27.8	24.55	3.24
105.05	27.8	24.56	3.24
120	28.09	25.11	2.98
120.05	28.09	25.12	2.97
135	28.27	26.19	2.08
135.05	28.27	26.2	2.08
150	28.4	27.07	1.33
155.3	28.45	27.38	1.07
161.3	28.53	27.71	0.82
165	28.62	27.94	0.68
167.3	28.68	28.09	0.59
172.02	28.82	28.39	0.43

LONGITUDINAL SECTION – ROAD No.8

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

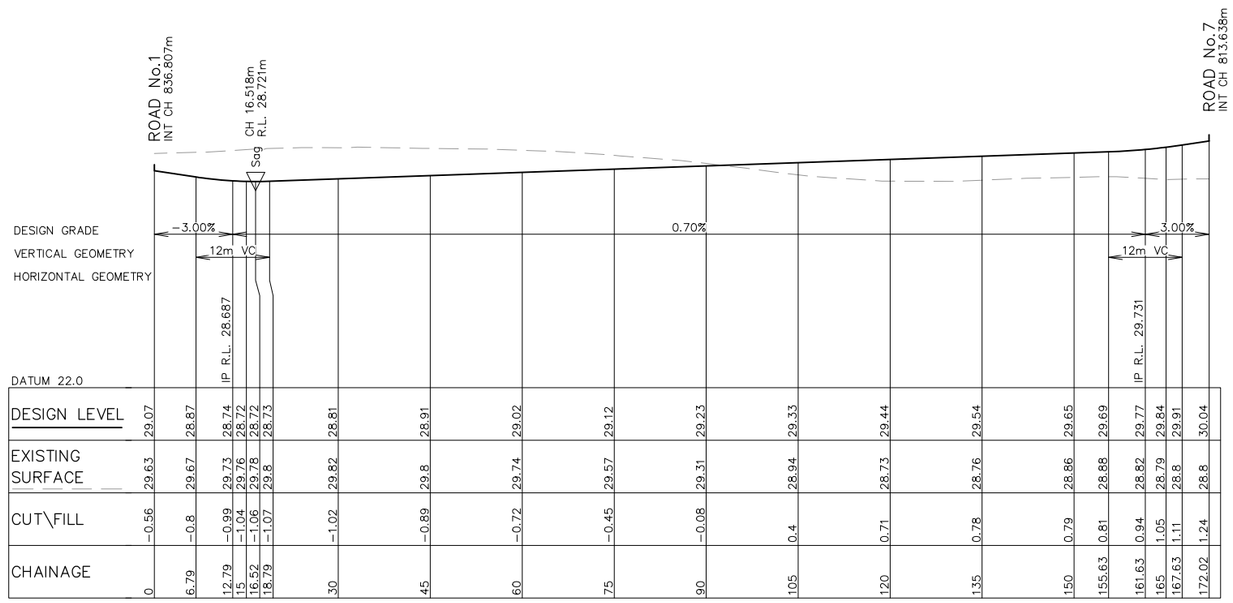
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.8

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 229 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:43PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-229.DWG

300362-CENG-230



LONGITUDINAL SECTION – ROAD No.9

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

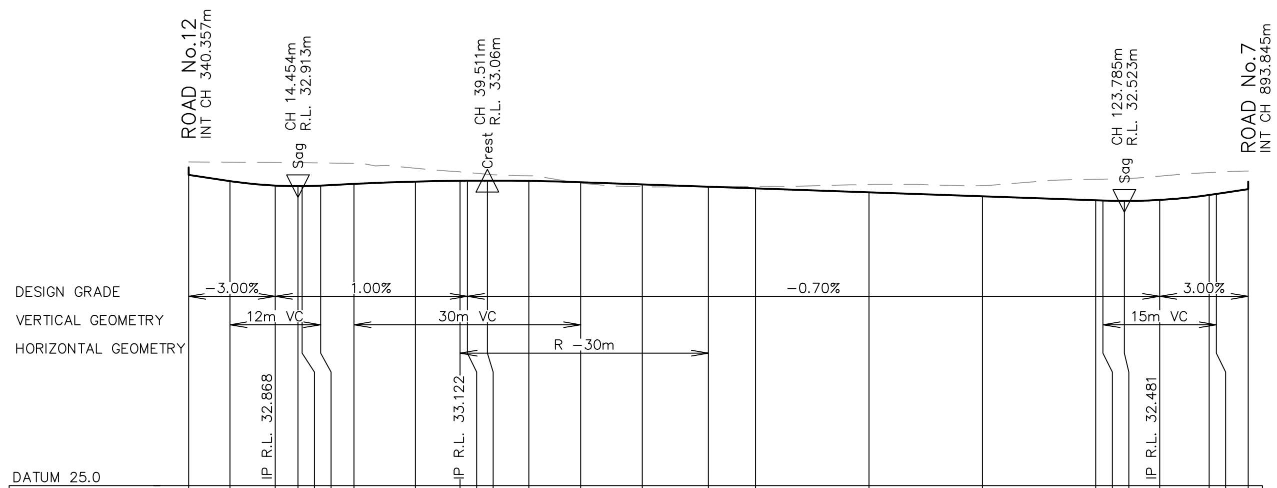
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.9

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 230 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-230.DWG



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	33.21	33.56	−0.34
5.45	33.05	33.55	−0.5
11.45	32.93	33.54	−0.61
14.45	32.91	33.53	−0.62
15	32.91	33.53	−0.62
17.45	32.93	33.53	−0.6
21.86	32.97	33.51	−0.54
30	33.03	33.39	−0.35
35.9	33.06	33.29	−0.23
36.86	33.06	33.28	−0.22
39.51	33.06	33.23	−0.17
45	33.05	33.18	−0.13
51.86	33.02	33	0.02
60	32.96	32.9	0.06
68.75	32.9	32.9	−0
75	32.85	32.9	−0.05
90	32.75	32.96	−0.21
105	32.64	32.92	−0.28
120	32.54	33.1	−0.56
120.95	32.53	33.1	−0.57
123.78	32.52	33.11	−0.59
128.45	32.55	33.18	−0.63
135	32.68	33.27	−0.59
135.95	32.71	33.28	−0.57
140.17	32.83	33.31	−0.48

LONGITUDINAL SECTION – ROAD No.10

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
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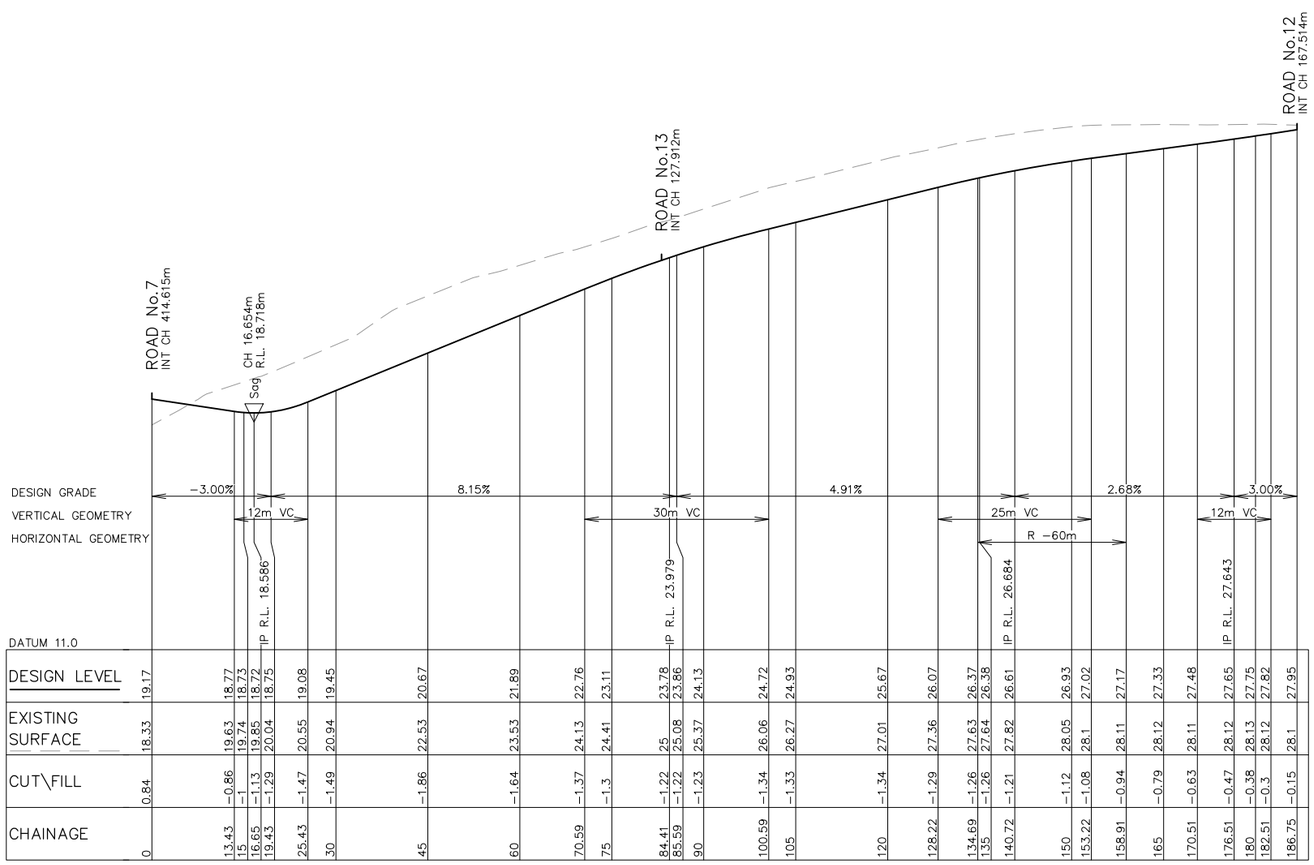
PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTION
ROAD No.10

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362 –	CENG –	231	E

300362-CENG-232



LONGITUDINAL SECTION – ROAD No.11

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

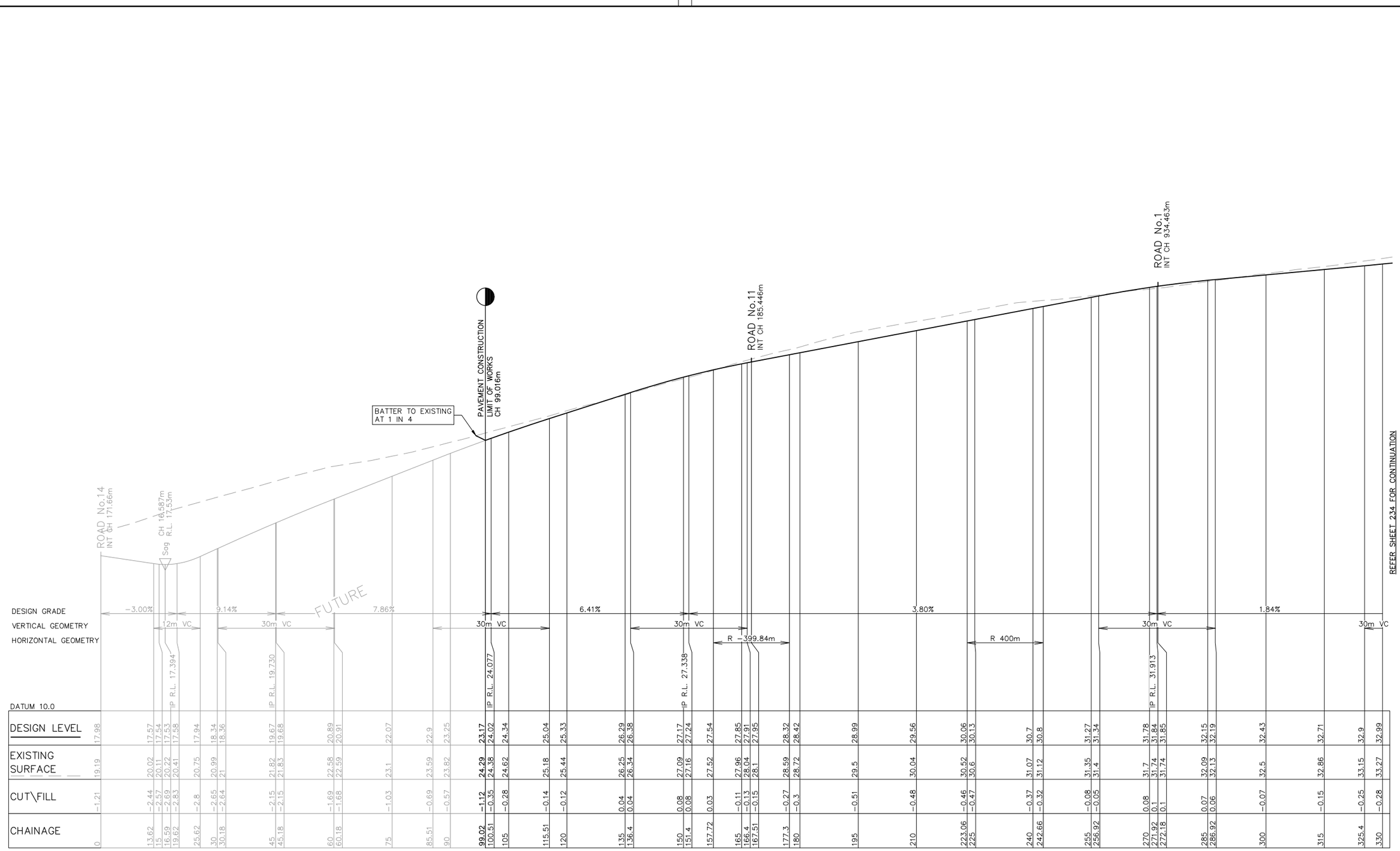
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.11

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	232	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:46:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-232.DWG

100mm AT FULL SIZE
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300362-CENG-233



LONGITUDINAL SECTION – ROAD No.12 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

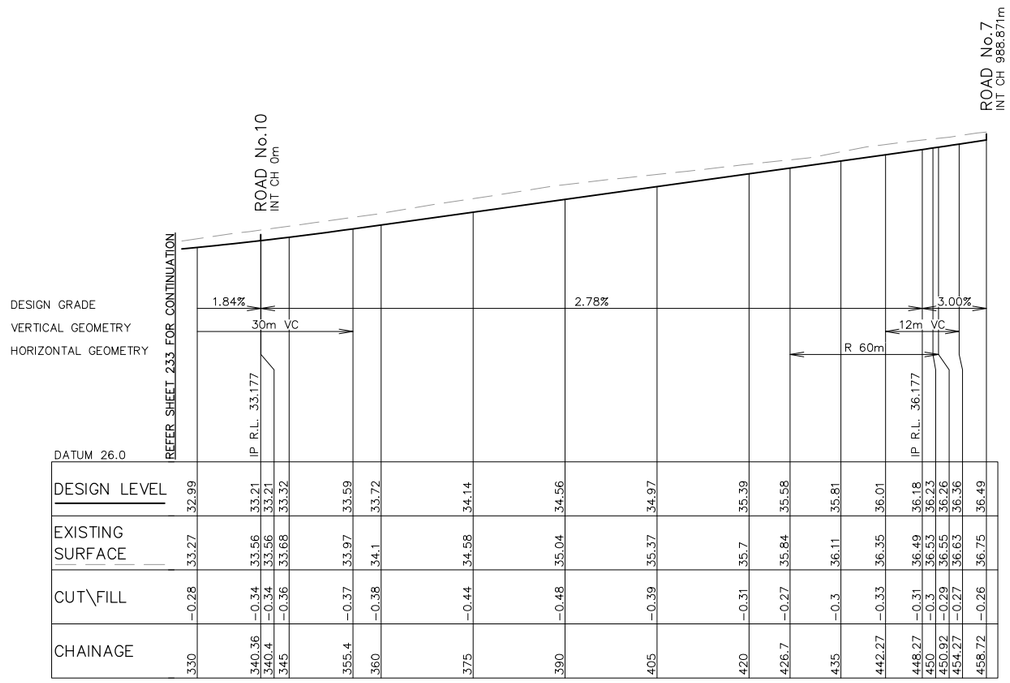
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.12 SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 233 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:03PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-233.DWG

100mm AT FULL SIZE
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300362-CENG-234



LONGITUDINAL SECTION – ROAD No.12 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

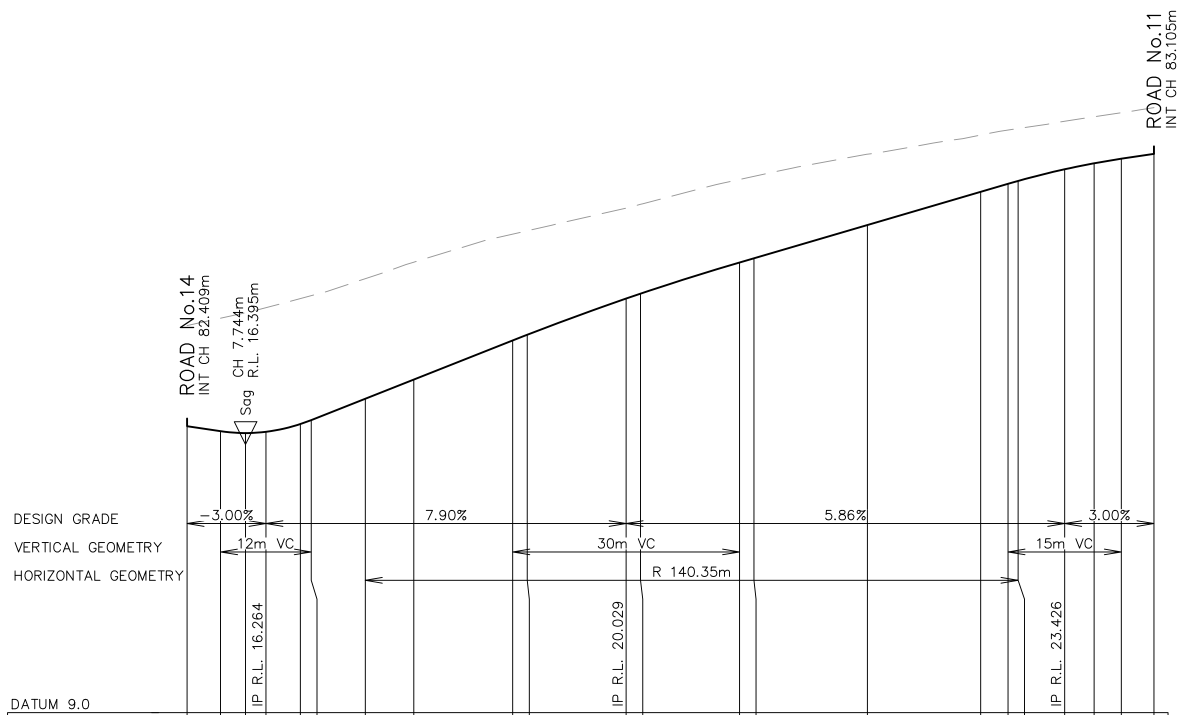
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.12 SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 234 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-234.DWG

100mm AT FULL SIZE

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DESIGN LEVEL	16.58	16.44	16.39	16.43	16.63	16.74	17.3	17.81	18.84	18.99	19.95	20.08	20.91	21.02	21.9	22.78	22.99	23.06	23.37	23.53	23.65	23.78
EXISTING SURFACE	19.24	19.43	19.58	19.71	19.95	20.03	20.48	20.92	21.66	21.75	22.35	22.45	23.11	23.19	23.77	24.28	24.41	24.45	24.64	24.76	24.87	25
CUT\FILL	−2.66	−2.99	−3.18	−3.28	−3.32	−3.29	−3.18	−3.11	−2.82	−2.75	−2.4	−2.36	−2.2	−2.17	−1.87	−1.51	−1.43	−1.39	−1.27	−1.23	−1.22	−1.22
CHAINAGE	0	4.44	7.74	10.44	15	16.44	23.58	30	43.09	45	58.09	60	73.09	75	90	105	108.6	109.94	116.1	120	123.6	127.91

LONGITUDINAL SECTION – ROAD No.13

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

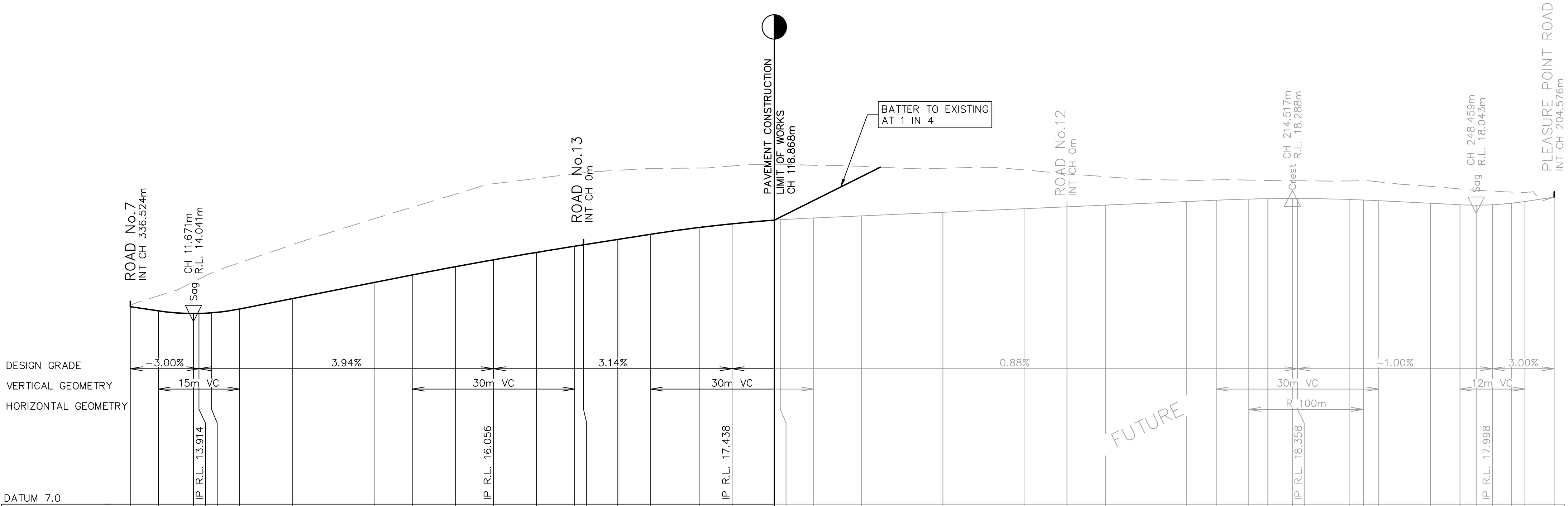
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.13

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	235	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:13PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362−CENG−235.DWG

300362-CENG-236



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	14.29	14.35	−0.05
5.19	14.14	14.69	−0.55
11.67	14.04	15.21	−1.17
12.69	14.04	15.31	−1.27
15	14.07	15.53	−1.47
20.19	14.21	15.92	−1.71
30	14.6	16.59	−1.99
45	15.19	17.54	−2.36
52.05	15.46	17.97	−2.5
60	15.77	18.45	−2.68
67.05	16.03	18.83	−2.81
75	16.3	19.03	−2.73
82.05	16.53	19.2	−2.67
83.67	16.58	19.24	−2.66
90	16.78	19.33	−2.55
96.08	16.97	19.4	−2.43
105	17.22	19.41	−2.2
111.08	17.35	19.49	−2.14
118.87	16.94	19.56	−2.62
120	17.5	19.56	−2.05
126.08	17.57	19.52	−1.94
135	17.65	19.47	−1.83
150	17.78	19.41	−1.63
165	17.91	19.35	−1.43
172.92	17.98	19.19	−1.21
180	18.05	19.09	−1.05
195	18.18	18.96	−0.79
200.46	18.23	18.98	−0.75
206.48	18.27	18.97	−0.7
210	18.28	18.95	−0.67
214.52	18.29	18.95	−0.66
215.46	18.29	18.94	−0.66
225	18.25	18.94	−0.68
227.64	18.23	18.95	−0.72
230.46	18.21	18.9	−0.69
240	18.11	18.74	−0.62
245.46	18.06	18.64	−0.58
248.46	18.04	18.6	−0.55
251.46	18.06	18.56	−0.5
255	18.11	18.53	−0.41
257.46	18.18	18.52	−0.34
262.85	18.34	18.34	0

LONGITUDINAL SECTION – ROAD No.14

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTION ROAD No.14

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 236 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-236.DWG

300362-CENG-301

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- ex sw — EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m

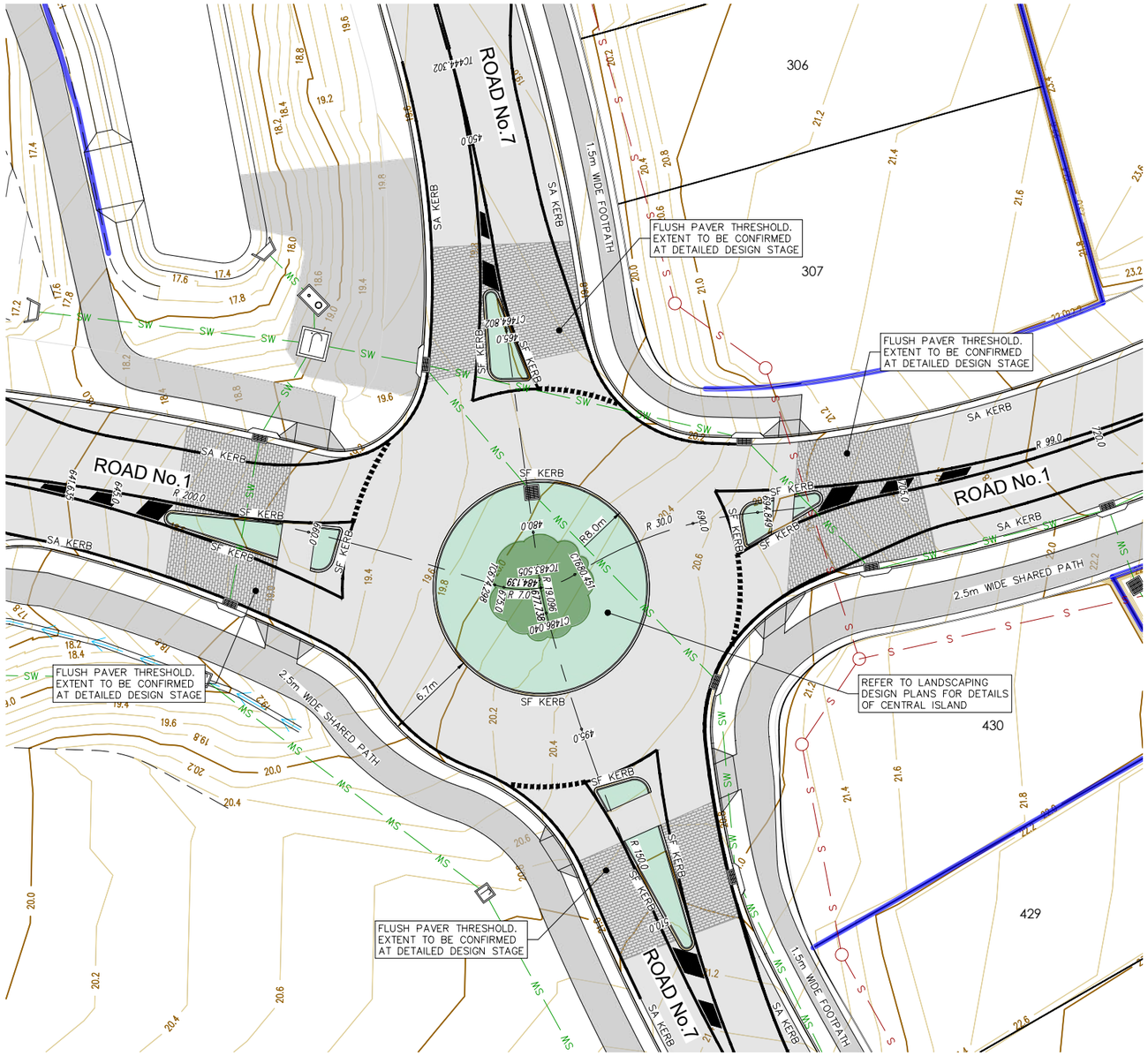
M.G.A.

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.



KEY PLAN
N.T.S.



ROUNDABOUT CONCEPT PLAN – ROAD No.1 & ROAD No.7
SCALE 1:200

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:200 — 0 5.0 10.0m — A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROUNDABOUT CONCEPT PLAN
ROAD No.1 & ROAD No.7

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 301 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:34PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–301.DWG

300362-CENG-302

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- ex sw — EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m

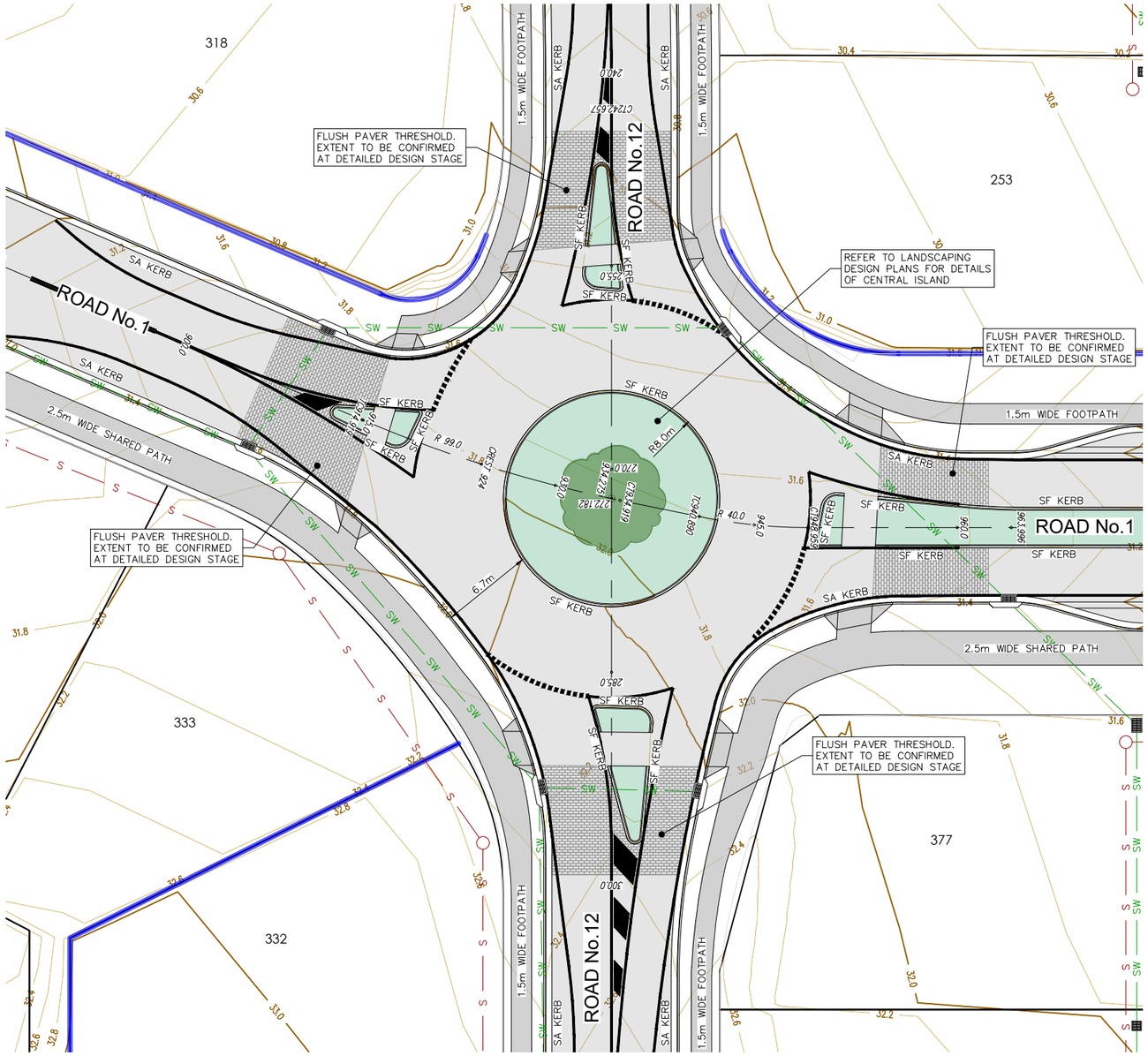
M.G.A.

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.



KEY PLAN
N.T.S.



ROUNDABOUT CONCEPT PLAN – ROAD No.1 & ROAD No.12
SCALE 1:200

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:200 — 0 5.0 10.0m — A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROUNDABOUT CONCEPT PLAN ROAD No.1 & ROAD No.12

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 302 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:47:50PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-302.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-311

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- ex sw — EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED LINTEL

CONTOUR INTERVAL = 0.2m

M.G.A.

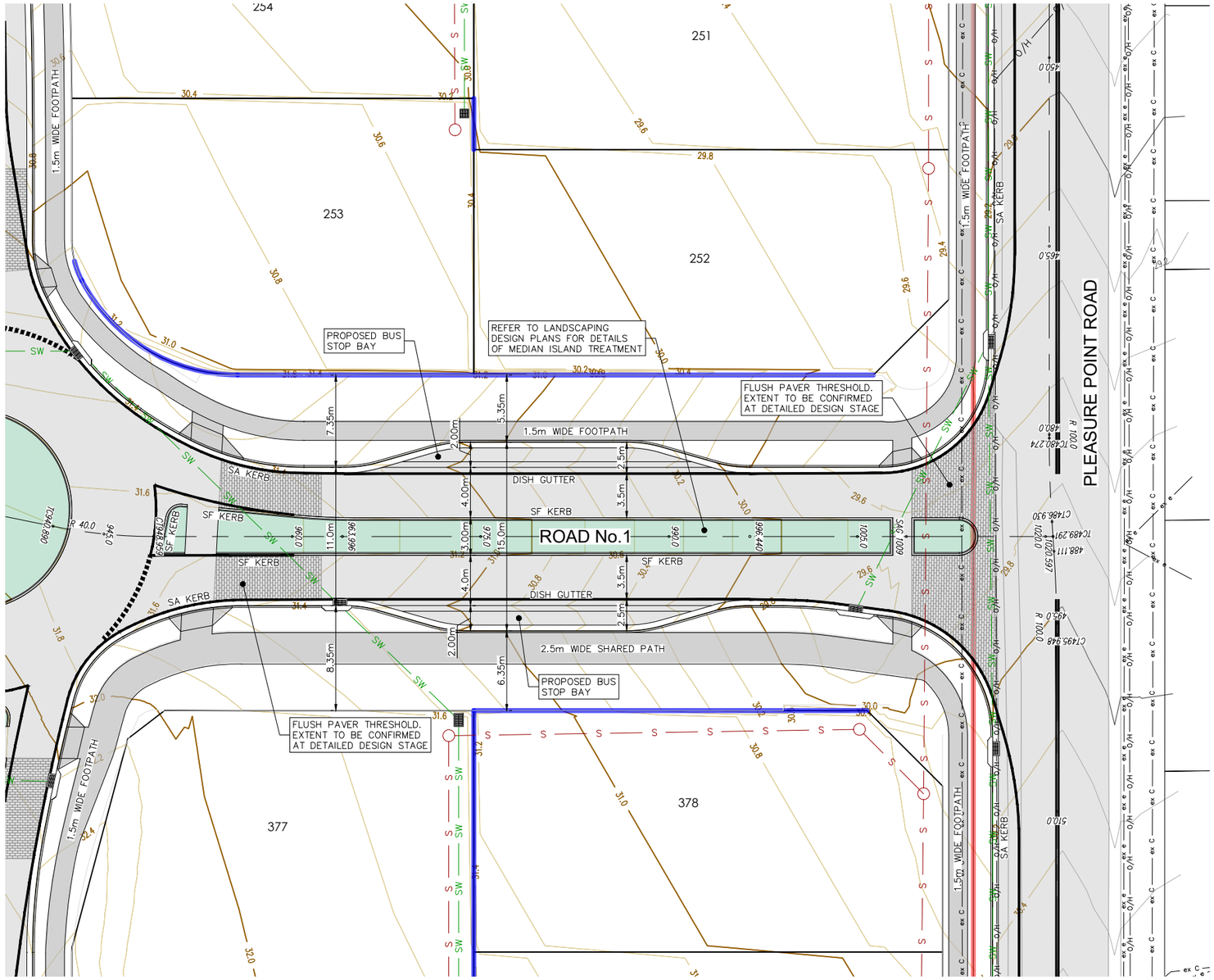
GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS & DETAILS REFER SHEETS 201–202.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 211–236.



KEY PLAN

N.T.S.



ENTRY DETAIL PLAN

SCALE 1:200

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:200 — 0 5.0 10.0m — A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ENTRY DETAIL PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	311	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:05PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-311.DWG

300362-CENG-401

REFER SHEET 402 FOR CONTINUATION



STORMWATER DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN
SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 401 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:16PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-401

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- PROPOSED KERB
- FUTURE KERB
- PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- FSW — FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PIT LABEL
- FUTURE PIT LABEL

CONTOUR INTERVAL = 0.5m

M.G.A.

489 D.P. 752034

485 D.P. 752034

792 D.P. 48718

2 D.P. 875804

HEATHCOTE ROAD

ROAD No.7

ROAD No.8

ROAD No.9

ROAD No.1

ROAD No.11

PROVIDE 1.5x2.0m GRATED SURFACE INLET PIT

PROPOSED SWALE DRAIN

INLET PIT TO CAPTURE OVERLAND FLOWS ALONG HEATHCOTE ROAD & CONVEY TO DOWNSTREAM WATERCOURSE

BASIN No.3. REFER SHEET 483 FOR DETAILS

REFER SHEET 404 FOR CONTINUATION

REFER SHEET 401 FOR CONTINUATION

STORMWATER DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN
SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 402 – REV. E

100mm AT FULL SIZE

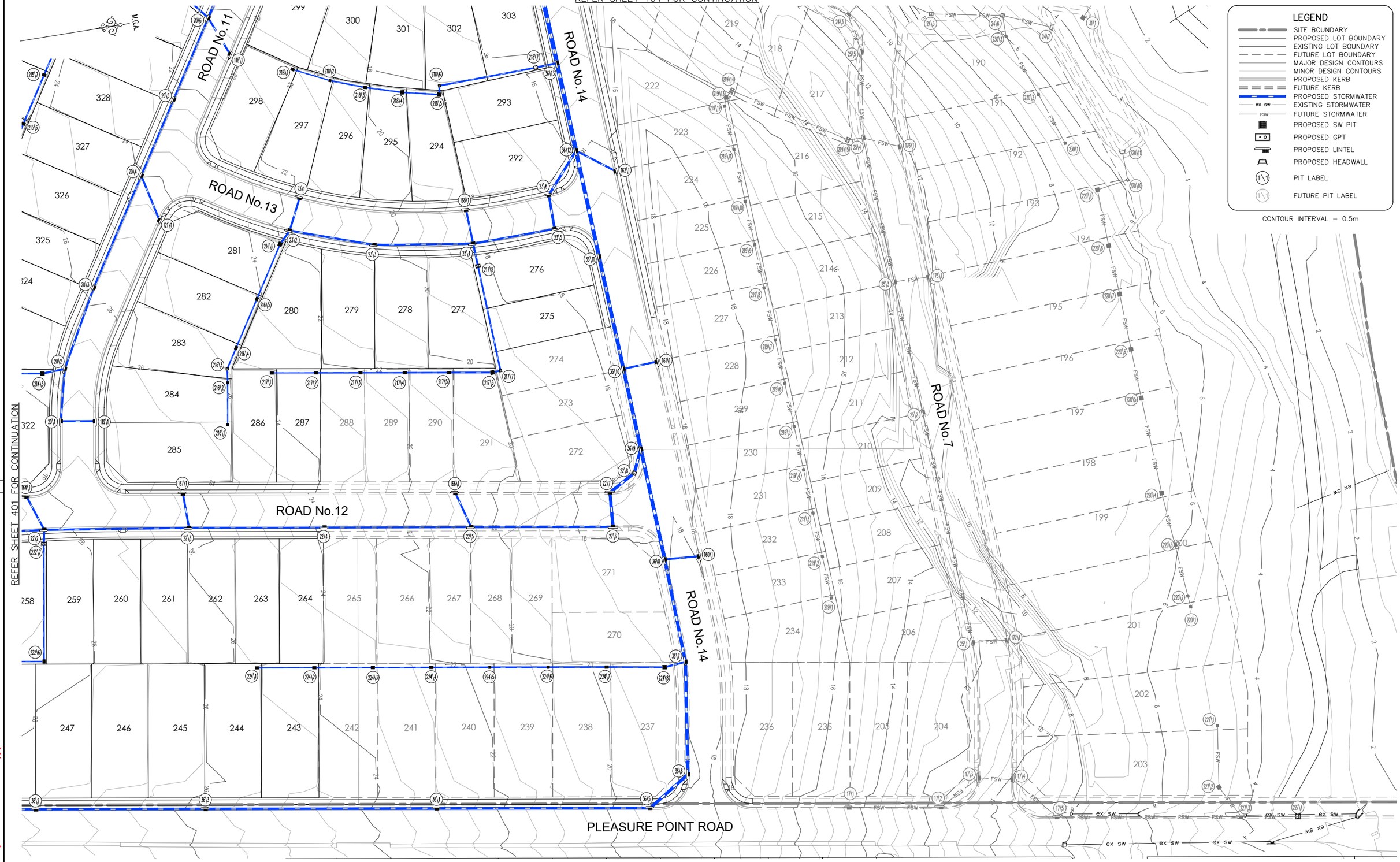
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:19PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

300362-CENG-401

REFER SHEET 404 FOR CONTINUATION

REFER SHEET 401 FOR CONTINUATION



STORMWATER DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 403 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:22PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

300362-CENG-401

REFER SHEET 405 FOR CONTINUATION

REFER SHEET 402 FOR CONTINUATION

ROAD No.1

ROAD No.6

ROAD No.3

ROAD No.7

ROAD No.14

PROPOSED HEADWALL TO DISCHARGE INTO SWALE

PROPOSED TEMPORARY SWALE TO CONVEY OVERLAND FLOWS

PROVIDE STUB FOR FUTURE CONNECTION

BASIN No.2. REFER SHEET 482 FOR DETAILS

BASIN No.4. REFER SHEET 484 FOR DETAILS

FORMALISED CHANNEL TO CONVEY OVERLAND FLOWS. TO BE CONSTRUCTED AS PART OF FUTURE STAGE. REFER SHEET 491 FOR DETAILS

REMOVE REDUNDANT STORMWATER PIT AND PIPE AS PART OF FUTURE WORKS

CONSTRUCT STORMWATER PIT OVER EXISTING STORMWATER PIPE AS PART OF FUTURE WORKS

GEORGES RIVER

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- PROPOSED KERB
- FUTURE KERB
- PROPOSED STORMWATER
- EXISTING STORMWATER
- FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PIT LABEL
- FUTURE PIT LABEL

CONTOUR INTERVAL = 0.5m

REFER SHEET 403 FOR CONTINUATION

STORMWATER DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
5 Pioneer Avenue,
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN SHEET 4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 404 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

300362-CENG-401

REFER SHEET 406 FOR CONTINUATION



REFER SHEET 404 FOR CONTINUATION

STORMWATER DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN SHEET 5

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 405 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:29PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

300362-CENG-401

REFER INSET FOR CONTINUATION

514
D.P. 1183310

512
D.P. 1183310

307
D.P. 1166554

100
D.P. 1040311

BASIN No.1. REFER SHEET 481 FOR DETAILS

ROAD No.1

ROAD No.2

ROAD No.3

ROAD No.4

792
D.P. 48718

MAKE SMOOTH CONNECTION TO EXISTING STORMWATER PIT

WILLOWIE WAY

M.G.A.

514
D.P. 1183310

512
D.P. 1183310

INSET PLAN
SCALE 1:500

RAILWAY CORRIDOR

1008
D.P. 1027287

1018
D.P. 1027287

1017
D.P. 1027287

1016
D.P. 1027287

1015
D.P. 1027287

2
D.P. 1004888

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- PROPOSED KERB
- FUTURE KERB
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex sw)
- FUTURE STORMWATER (fsw)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PIT LABEL
- FUTURE PIT LABEL

CONTOUR INTERVAL = 0.5m

REFER SHEET 405 FOR CONTINUATION

STORMWATER DETAIL PLAN
SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER DETAIL PLAN SHEET 6

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

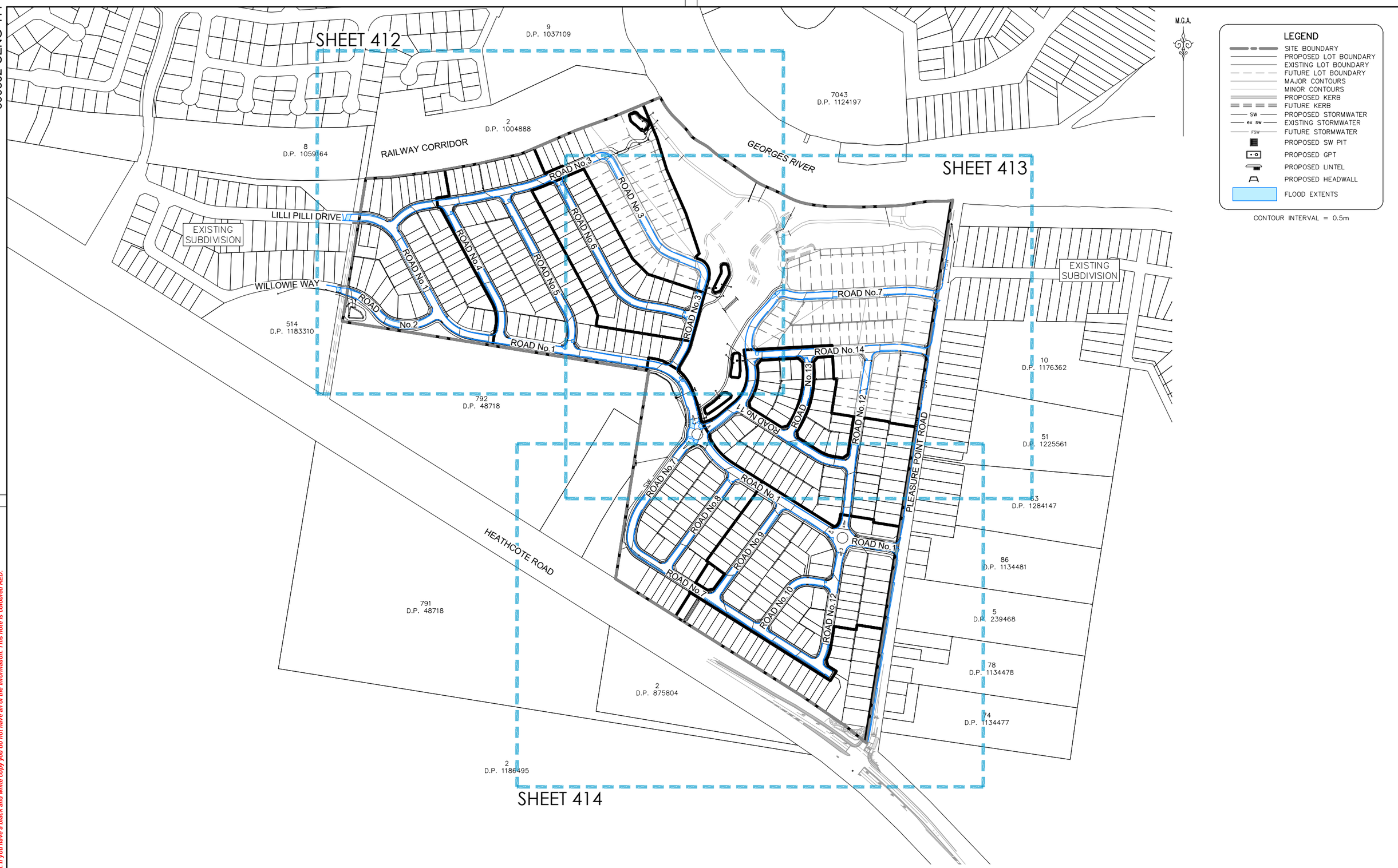
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 406 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:35PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-401.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-411



OVERALL 5 YEAR FLOOD WIDTHS PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: OVERALL 5 YEAR ARI FLOOD WIDTHS PLAN

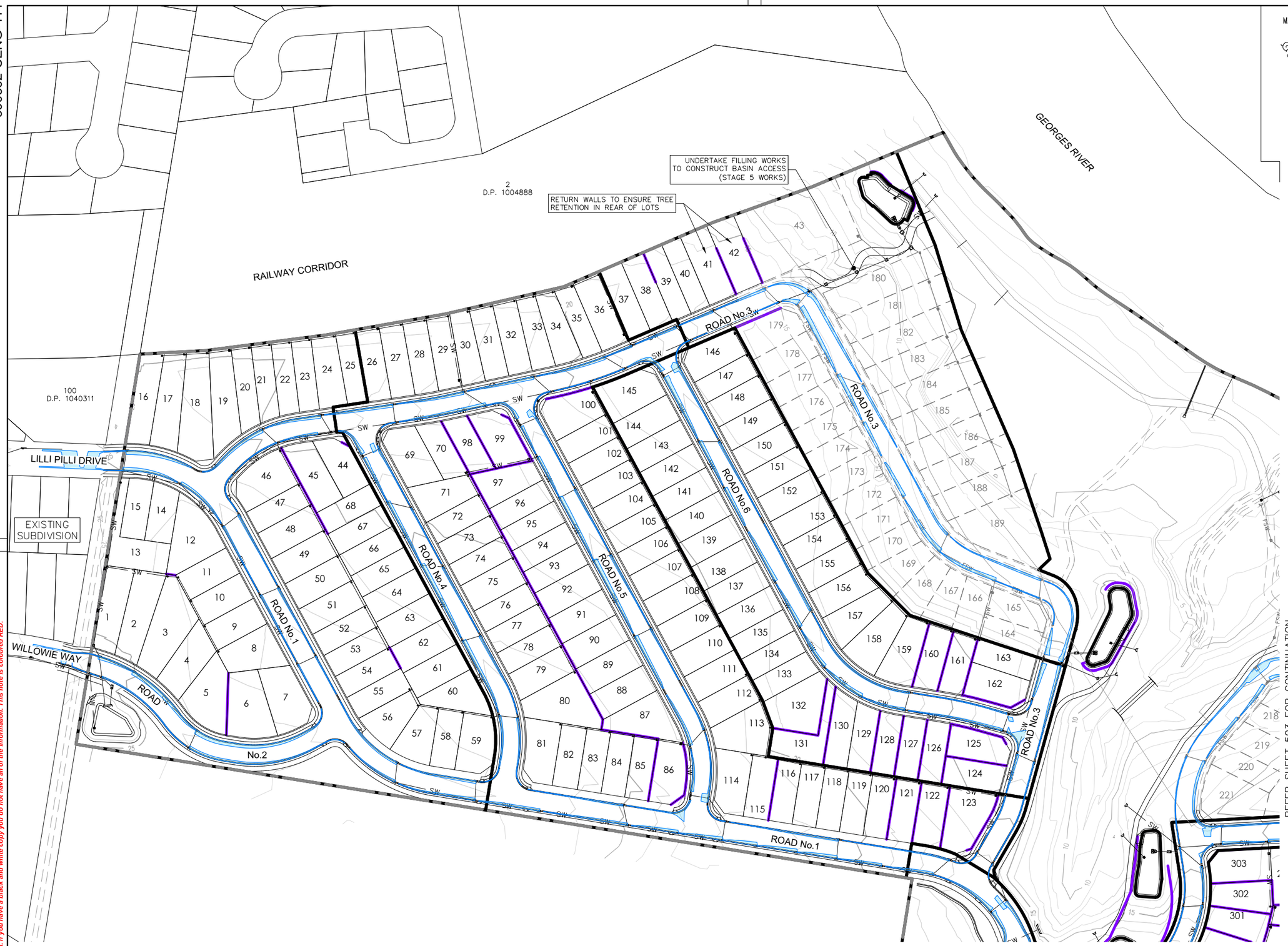
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 411 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:42PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-411.DWG

100mm AT FULL SIZE

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300362-CENG-411



5 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

REFER SHEET 503 FOR CONTINUATION

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 5 YEAR ARI FLOOD WIDTHS DETAIL PLAN SHEET 1

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 412 REV. E

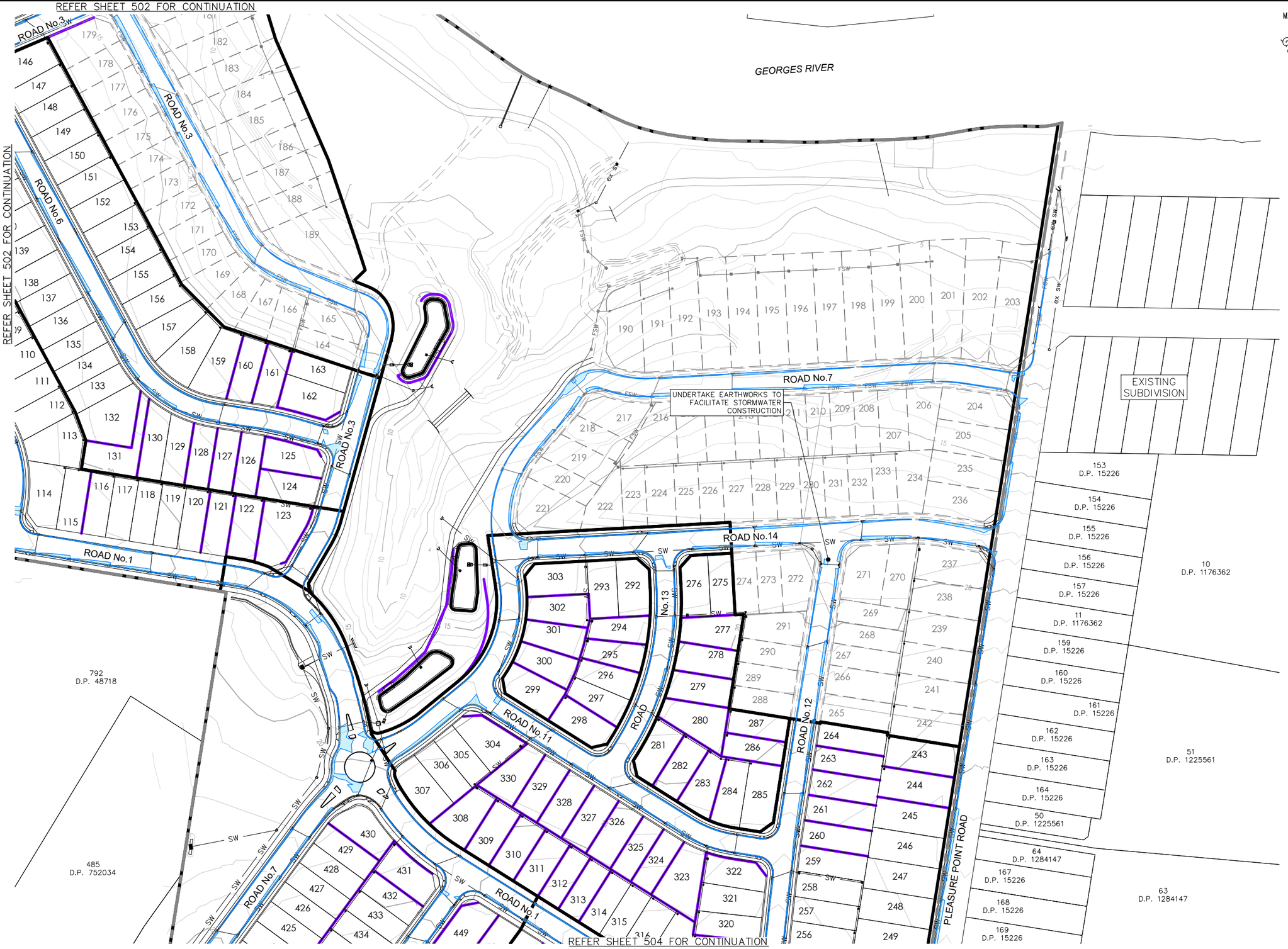
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:45PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-411.DWG

300362-CENG-411

REFER SHEET 502 FOR CONTINUATION

REFER SHEET 502 FOR CONTINUATION



REFER SHEET 504 FOR CONTINUATION

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- PROPOSED KERB
- FUTURE KERB
- SW — PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- FSW — FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- FLOOD EXTENTS

CONTOUR INTERVAL = 0.5m

5 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 5 YEAR ARI FLOOD WIDTHS DETAIL PLAN SHEET 2

SURVEYED: ADW Johnson

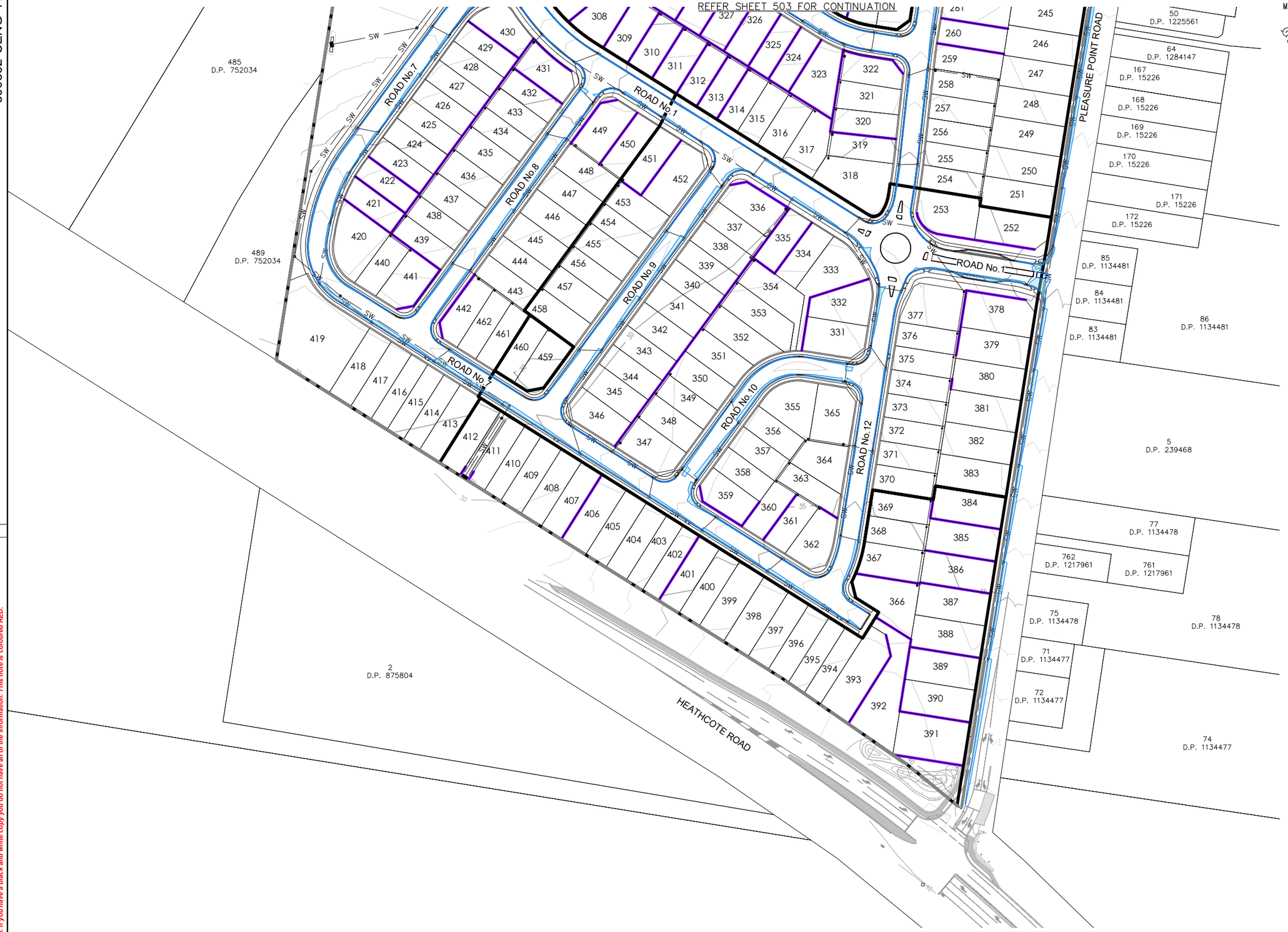
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 413 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:49PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-411.DWG

300362-CENG-411

REFER SHEET 503 FOR CONTINUATION



M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- PROPOSED KERB
- FUTURE KERB
- SW — PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- fsw — FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- FLOOD EXTENTS

CONTOUR INTERVAL = 0.5m

5 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 5 YEAR ARI FLOOD WIDTHS DETAIL PLAN
SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 414 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:48:52PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-411.DWG

100mm AT FULL SIZE

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300362-CENG-415

SHEET 415

SHEET 416

SHEET 417

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- PROPOSED KERB
- FUTURE KERB
- SW — PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- FSW — FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- FLOOD EXTENTS

CONTOUR INTERVAL = 0.5m

9 D.P. 1037109

7043 D.P. 1124197

2 D.P. 1004888

8 D.P. 1059164

RAILWAY CORRIDOR

GEORGES RIVER

LILLI PILLI DRIVE

EXISTING SUBDIVISION

WILLOWIE WAY

514 D.P. 1183310

792 D.P. 48718

ROAD No.1

ROAD No.2

ROAD No.3

ROAD No.4

ROAD No.5

ROAD No.6

ROAD No.7

ROAD No.8

ROAD No.9

ROAD No.10

ROAD No.11

ROAD No.12

ROAD No.13

ROAD No.14

EXISTING SUBDIVISION

10 D.P. 1176362

51 D.P. 1225561

63 D.P. 1284147

86 D.P. 1134481

5 D.P. 239468

78 D.P. 1134478

74 D.P. 1134477

PLEASURE POINT ROAD

HEATHCOTE ROAD

791 D.P. 48718

2 D.P. 875804

2 D.P. 1186495

OVERALL 100 YEAR FLOOD WIDTHS PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

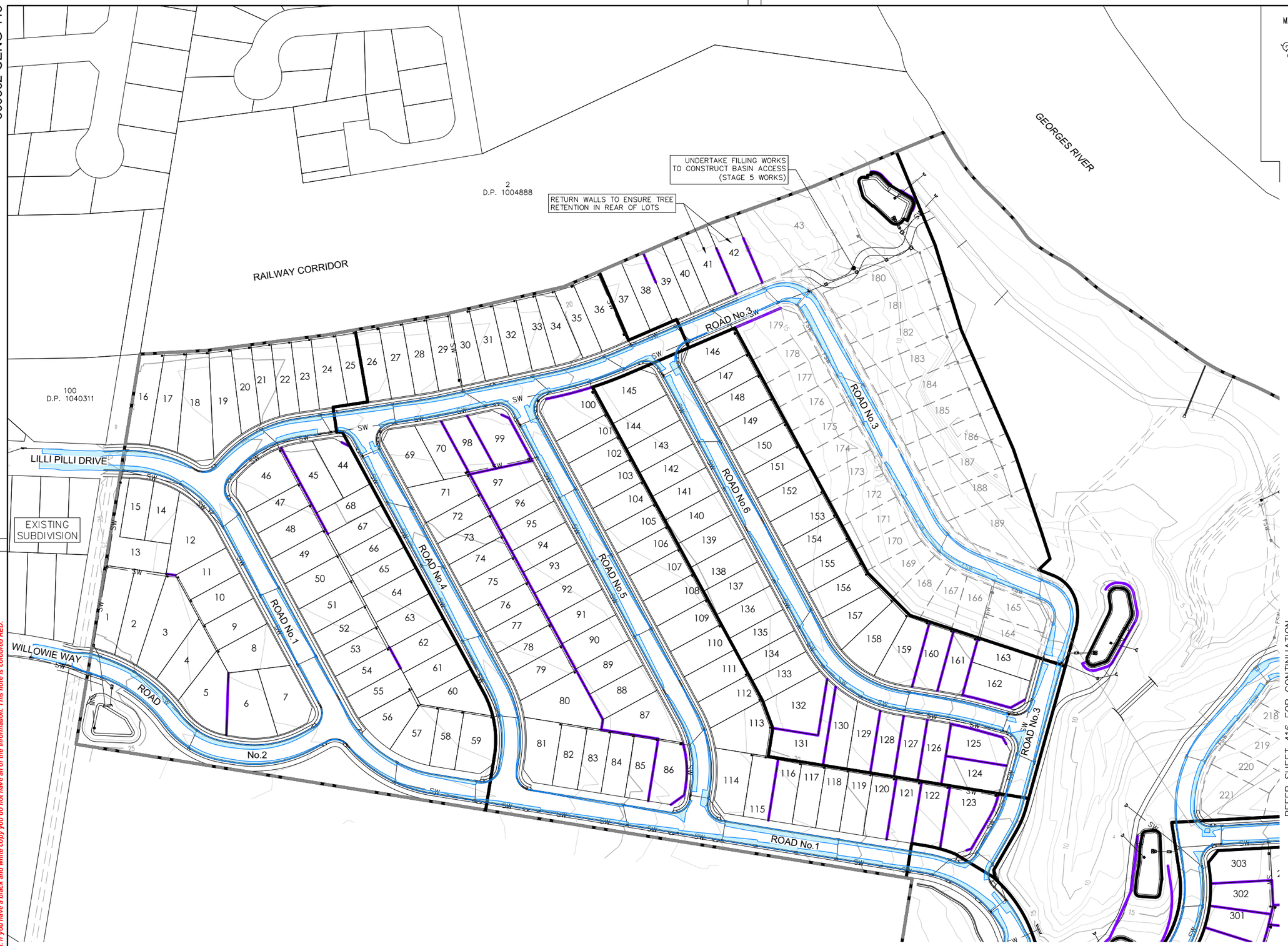
PLAN TITLE: OVERALL 100 YEAR ARI FLOOD WIDTHS PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 415 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:00PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-415.DWG

300362-CENG-415



100 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

REFER SHEET 416 FOR CONTINUATION

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

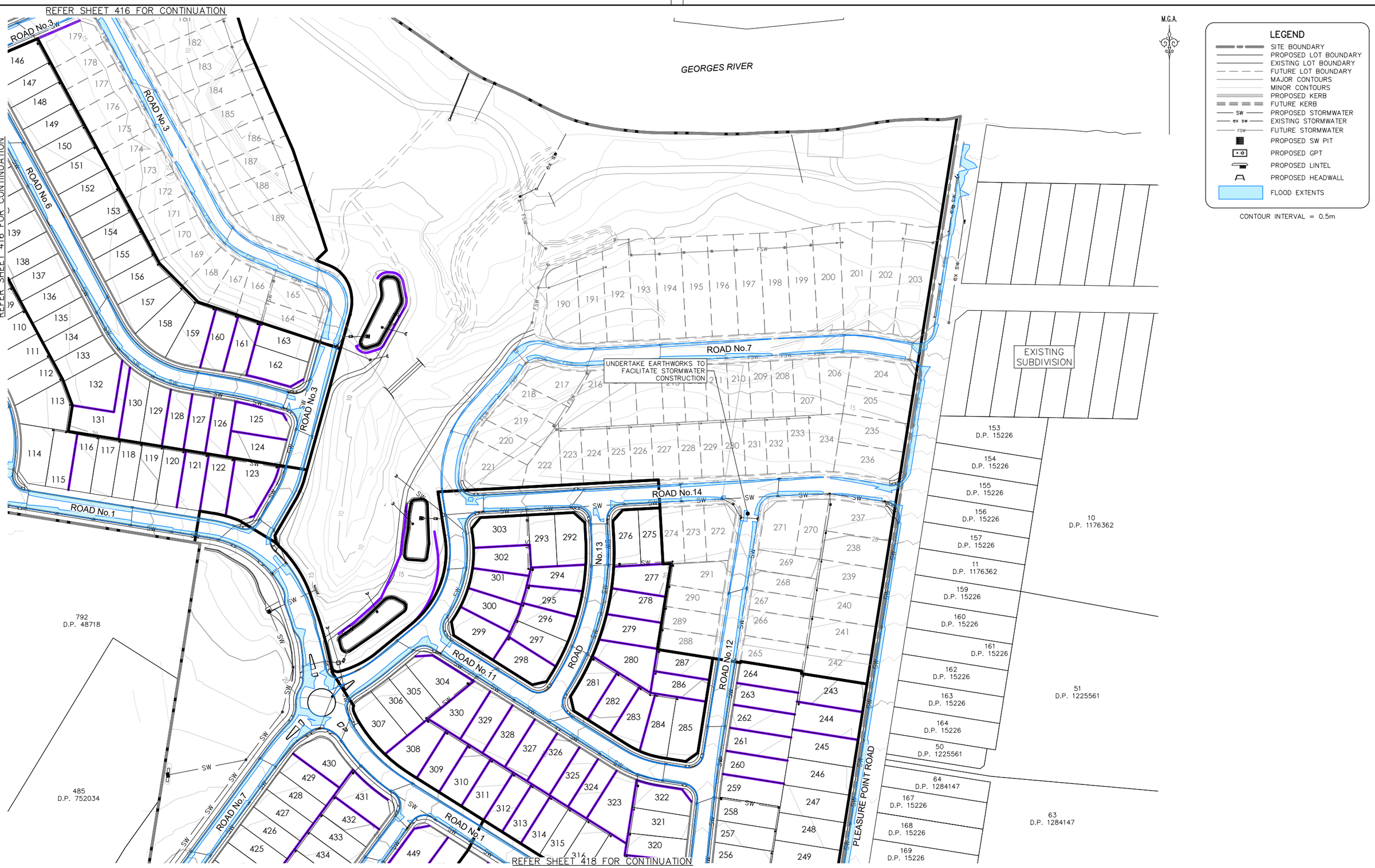
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 100 YEAR FLOOD ARI WIDTHS DETAIL PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 416 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:03PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-415.DWG

300362-CENG-415



100 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Tuggerah N.S.W. 2259
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 100 YEAR FLOOD ARI WIDTHS DETAIL PLAN SHEET 2

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362	CENG	417	E

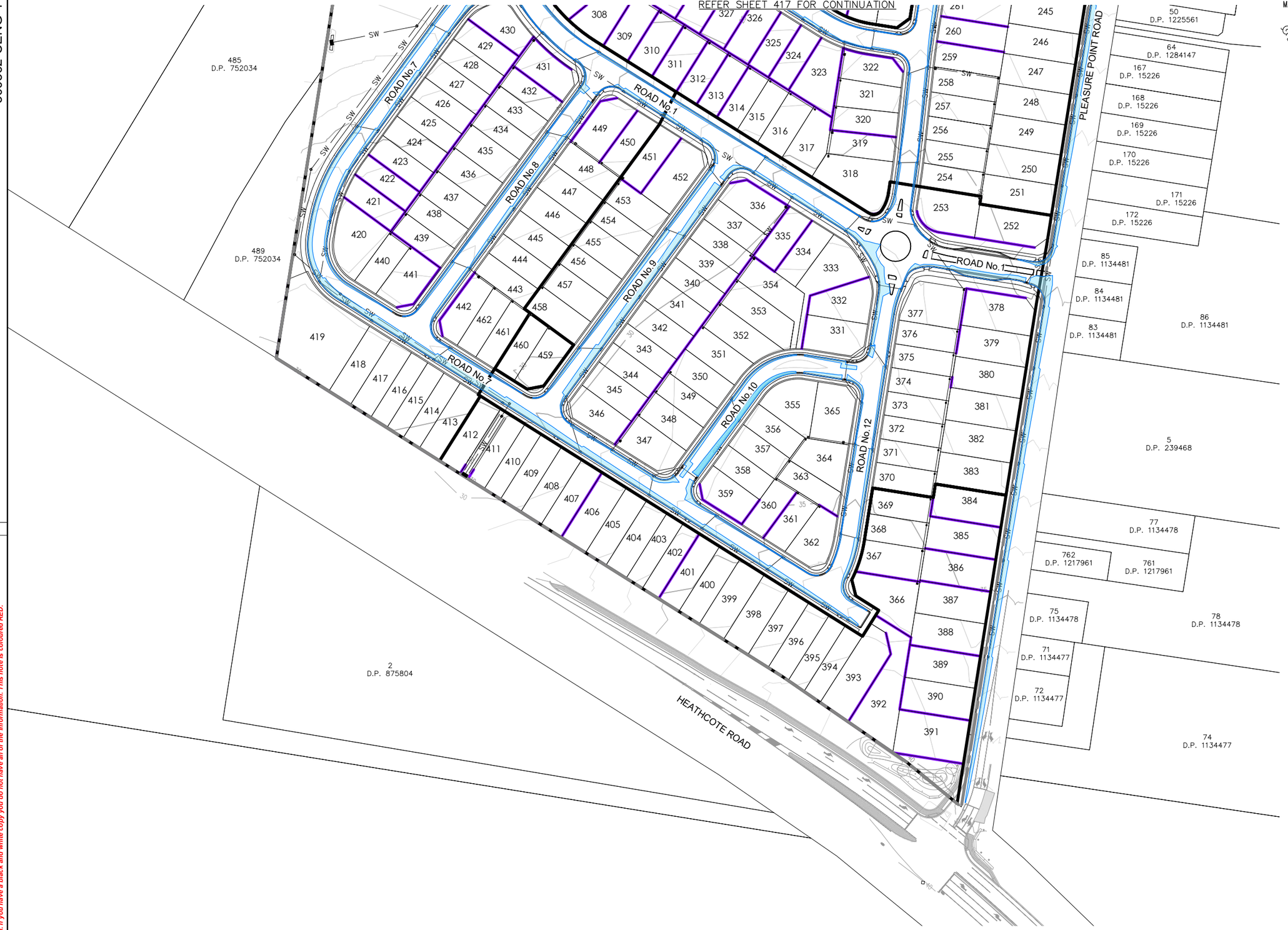
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:07PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-415.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-415

REFER SHEET 417 FOR CONTINUATION



100 YEAR FLOOD WIDTHS PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: 100 YEAR FLOOD ARI WIDTHS DETAIL PLAN
SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 418 REV. E

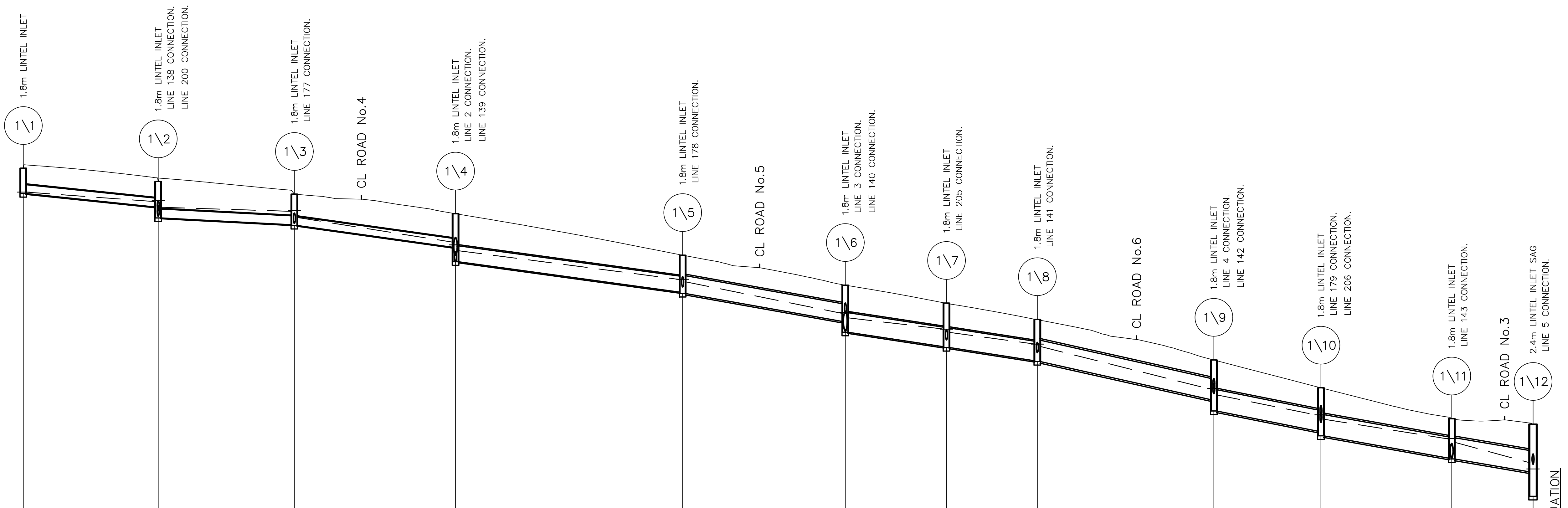
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-415.DWG

300362-CENG-421

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	1\1–1\2	1\2–1\3	1\3–1\4	1\4–1\5	1\5–1\6	1\6–1\7	1\7–1\8	1\8–1\9	1\9–1\10	1\10–1\11	1\11–1\12
VELOCITY (m/s)	0.065	1.512	1.997	1.502	1.436	1.877	2.106	1.819	2.096	2.226	2.254
PIPE FLOW (m3/s)	0.007	0.167	0.221	0.537	0.635	1.004	1.126	1.157	1.333	1.416	1.434
PIPE SIZE (mm) & CLASS	375ø RCP 3	375ø RCP 3	375ø RCP 4	675ø RCP 3	750ø RCP 4	825ø RCP 3	825ø RCP 3	900ø RCP 4	900ø RCP 3	900ø RCP 3	900ø RCP 4
GRADE %	2.00%	1.00%	2.71%	2.68%	3.45%	2.88%	2.92%	4.34%	3.80%	3.43%	3.16%
PIPE DISTANCE	28.51	28.77	34.05	48.00	34.37	21.39	19.19	37.29	22.63	27.63	17.19

DATUM R.L. 4

	1\1	1\2	1\3	1\4	1\5	1\6	1\7	1\8	1\9	1\10	1\11	1\12
DESIGN SURFACE LEVEL	25.28	24.71	24.18	23.35	21.60	20.33	19.57	18.89	17.17	15.99	14.69	14.46
DEPTH SURFACE TO INVERT	1.07	1.08 / 1.54	1.29 / 1.32	1.42 / 2.03	1.56 / 1.61	1.54 / 1.99	1.85 / 1.88	1.75 / 1.78	1.68 / 2.15	1.84 / 2.03	1.67 / 1.7	2.02 / 3.05
H.G.L. LEVELS	24.26	23.86 23.91 / 23.62	23.45 23.49 / 23.19	22.15 22.04 / 21.79	20.57 20.58 / 20.48	19.14 19.17 / 18.95	18.48 / 18.34	17.85 / 17.74	15.93 15.97 / 15.70	14.83 14.85 / 14.67	13.83 13.85 / 13.70	12.82 12.56 / 11.97
INVERT LEVEL	24.21	23.63 / 23.18	22.89 / 22.86	21.93 / 21.32	20.04 / 19.98	18.80 / 18.35	17.73 / 17.70	17.14 / 17.11	15.49 / 15.02	14.16 / 13.96	13.02 / 12.99	12.44 / 11.41
PIPE CHAINAGE	0.00	28.51	57.28	91.32	139.32	173.69	195.07	214.27	251.55	274.19	301.82	319.01

REFER SHEET 422 FOR CONTINUATION

LINE 1

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

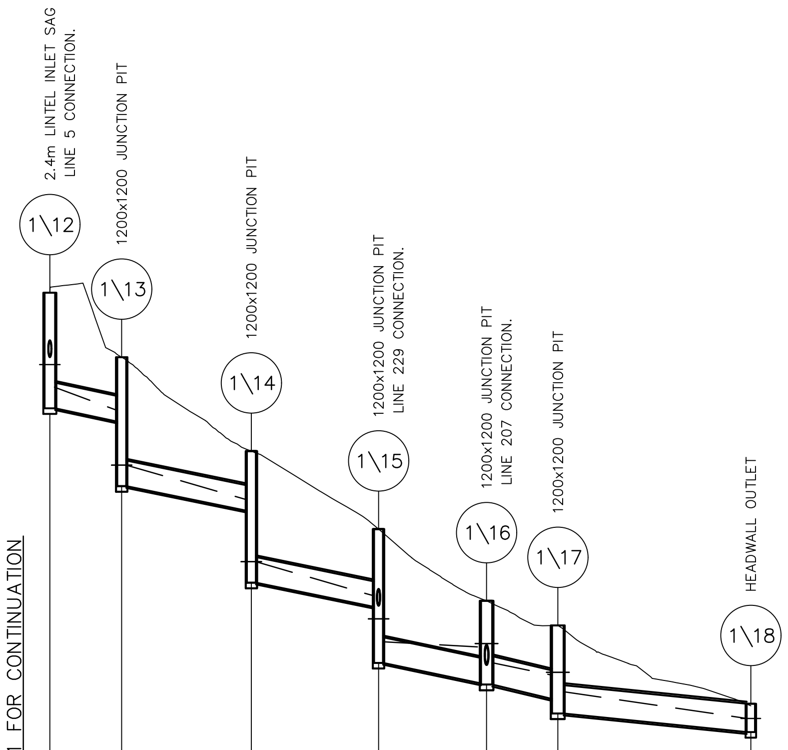
PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 1

PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	421	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–421.DWG

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.

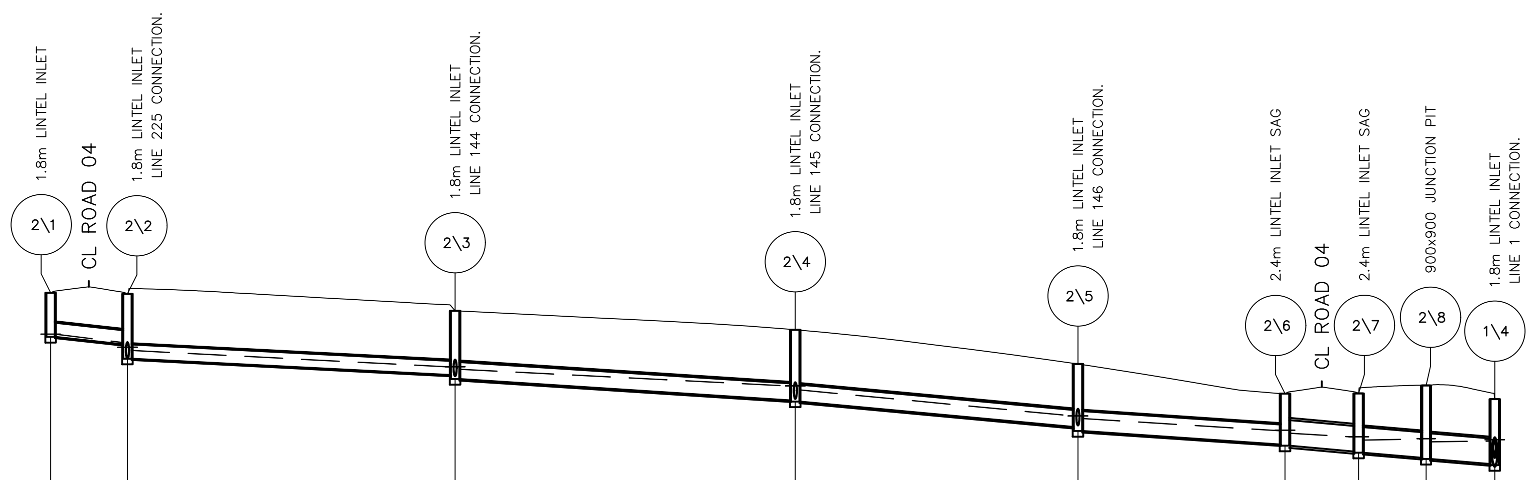


REFER SHEET 421 FOR CONTINUATION

	1\12–1\13	1\13–1\14	1\14–1\15	1\15–1\16	1\16–1\17	1\17–1\18
VELOCITY (m/s)	2.162	2.154	2.138	2.174	1.953	1.945
PIPE FLOW (m3/s)	1.547	1.541	1.530	1.556	1.726	1.719
PIPE SIZE (mm) & CLASS	(2x)675ø RCP 3	(2x)675ø RCP 3	(2x)675ø RCP 3	(2x)675ø RCP 3	(2x)750ø RCP 3	(2x)750ø RCP 3
GRADE %	3.70%	3.80%	3.80%	3.80%	4.00%	1.92%
PIPE DISTANCE	9.51	17.16	16.84	14.30	9.44	25.54

DATUM R.L. −6

	1\12	1\13	1\14	1\15	1\16	1\17	1\18
DESIGN SURFACE LEVEL	14.46	12.76	10.28	8.22	6.32	5.67	3.60
DEPTH SURFACE TO INVERT	2.02 / 3.05	1.7 / 3.41	1.58 / 3.48	2.06 / 3.54	2.19 / 2.22	1.94 / 2.33	0.75
H.G.L. LEVELS	12.82 12.56 / 11.97	11.35 / 9.91	8.99 / 7.35	6.45 5.84 / 5.24	5.10 5.19 / 4.68	4.35 4.43 / 3.92	3.21
INVERT LEVEL	12.44 / 11.41	11.06 / 9.35	8.70 / 6.80	6.16 / 4.68	4.13 / 4.10	3.73 / 3.34	2.85
PIPE CHAINAGE	319.01	328.52	345.68	362.52	376.82	386.25	411.79



	2\1–2\2	2\2–2\3	2\3–2\4	2\4–2\5	2\5–2\6	2\6–2\7	2\7–2\8	2\8–1\4
VELOCITY (m/s)	0.094	0.802	0.852	1.201	1.100	0.761	0.793	0.790
PIPE FLOW (m3/s)	0.010	0.089	0.136	0.191	0.238	0.272	0.284	0.283
PIPE SIZE (mm) & CLASS	375ø RCP 4	375ø RCP 3	450ø RCP 3	450ø RCP 3	525ø RCP 3	675ø RCP 4	675ø RCP 3	675ø RCP 3
GRADE %	1.95%	1.00%	1.26%	1.80%	1.30%	1.62%	1.50%	1.50%
PIPE DISTANCE	10.16	43.35	45.01	37.39	27.39	9.75	8.92	9.08

DATUM R.L. 9

	2\1	2\2	2\3	2\4	2\5	2\6	2\7	2\8	1\4
DESIGN SURFACE LEVEL	26.17	26.14	25.69	25.19	24.28	23.50	23.50	23.72	23.35
DEPTH SURFACE TO INVERT	1.17	1.34 / 1.72	1.7 / 1.81	1.87 / 1.9	1.67 / 1.77	1.35 / 1.38	1.54 / 1.57	1.92 / 1.95	1.72 / 1.75
H.G.L. LEVELS	25.07	24.85 24.73 / 24.64	24.20 24.21 / 24.14	23.70 23.70 / 23.60	22.91 / 22.84	22.51 22.53 / 22.45	22.35 22.36 / 22.27	22.29 22.30 / 22.22	22.24 22.28 / 22.07
INVERT LEVEL	25.00	24.80 / 24.42	23.99 / 23.89	23.32 / 23.29	22.61 / 22.51	22.15 / 22.12	21.96 / 21.93	21.80 / 21.77	21.63 / 21.60
PIPE CHAINAGE	0.00	10.16	53.51	98.52	135.90	163.29	173.04	181.96	191.04

LINE 2

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 422 — REV. E

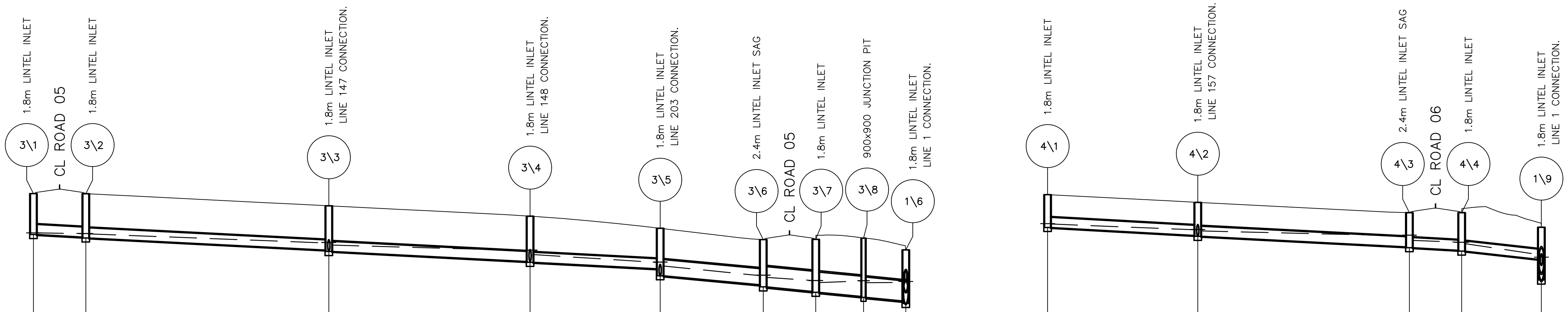
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:27PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–422.DWG

100mm AT FULL SIZE
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300362-CENG-423

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



LINE 3

DATUM R.L. 6

Pit	Design Surface Level	Depth Surface to Invert (in)	Depth Surface to Invert (out)	H.G.L. Levels (in)	H.G.L. Levels (out)	Invert Level (in)	Invert Level (out)	Pipe Chainage
3\1	22.42		1.52		20.96		20.90	0.00
3\2	22.42	1.61	1.64	20.94	20.92	20.80	20.77	9.70
3\3	21.96	1.64	1.69	20.59 20.61	20.51	20.32	20.27	54.77
3\4	21.58	1.68	1.71	20.31 20.32	20.16	19.90	19.87	92.10
3\5	21.13	1.5	1.76	19.87 19.88	19.73	19.63	19.37	116.22
3\6	20.71	1.68	1.75	19.37 19.39	19.31	19.03	18.96	135.33
3\7	20.72	1.93	1.96	19.19	19.11	18.79	18.76	145.06
3\8	20.77	2.16	2.19	19.18 19.19	19.11	18.60	18.57	153.93
1\6	20.33	1.9	1.99	19.12 19.16	18.94	18.43	18.35	161.76

Pipe	Velocity (m/s)	Pipe Flow (m3/s)	Pipe Size (mm) & Class	Grade %	Pipe Distance
3\1 – 3\2	0.067	0.007	375ø RCP 4	1.00%	9.70
3\2 – 3\3	0.389	0.043	375ø RCP 3	1.00%	45.07
3\3 – 3\4	0.929	0.103	375ø RCP 3	1.00%	37.32
3\4 – 3\5	1.386	0.153	375ø RCP 3	1.00%	24.12
3\5 – 3\6	1.093	0.309	600ø RCP 3	1.76%	19.11
3\6 – 3\7	0.756	0.334	750ø RCP 3	1.76%	9.74
3\7 – 3\8	0.774	0.342	750ø RCP 3	1.76%	8.87
3\8 – 1\6	0.771	0.341	750ø RCP 3	1.76%	7.83

LINE 4

DATUM R.L. 2

Pit	Design Surface Level	Depth Surface to Invert (in)	Depth Surface to Invert (out)	H.G.L. Levels (in)	H.G.L. Levels (out)	Invert Level (in)	Invert Level (out)	Pipe Chainage
4\1	18.38		1.22	17.30	17.29		17.16	0.00
4\2	18.09	1.23	1.26	17.08 17.09	17.03	16.86	16.83	27.85
4\3	17.71	1.27	1.3	16.85 16.88	16.68	16.44	16.41	67.09
4\4	17.71	1.4	1.43	16.61	16.56	16.31	16.28	76.79
1\9	17.17	1.19	1.96	16.16 16.06	15.89	15.98	15.21	91.57

Pipe	Velocity (m/s)	Pipe Flow (m3/s)	Pipe Size (mm) & Class	Grade %	Pipe Distance
4\1 – 4\2	0.287	0.032	375ø RCP 3	1.07%	27.85
4\2 – 4\3	0.677	0.075	375ø RCP 3	1.00%	39.25
4\3 – 4\4	1.208	0.133	375ø RCP 4	1.00%	9.70
4\4 – 1\9	1.296	0.143	375ø RCP 4	2.06%	14.78

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 3

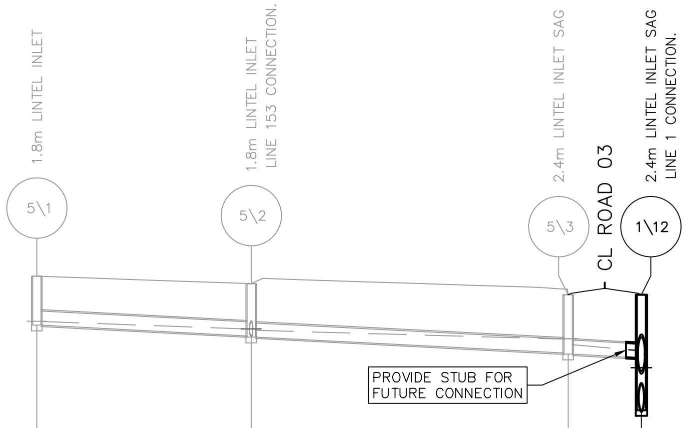
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 423 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:35PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-423.DWG

300362-CENG-424

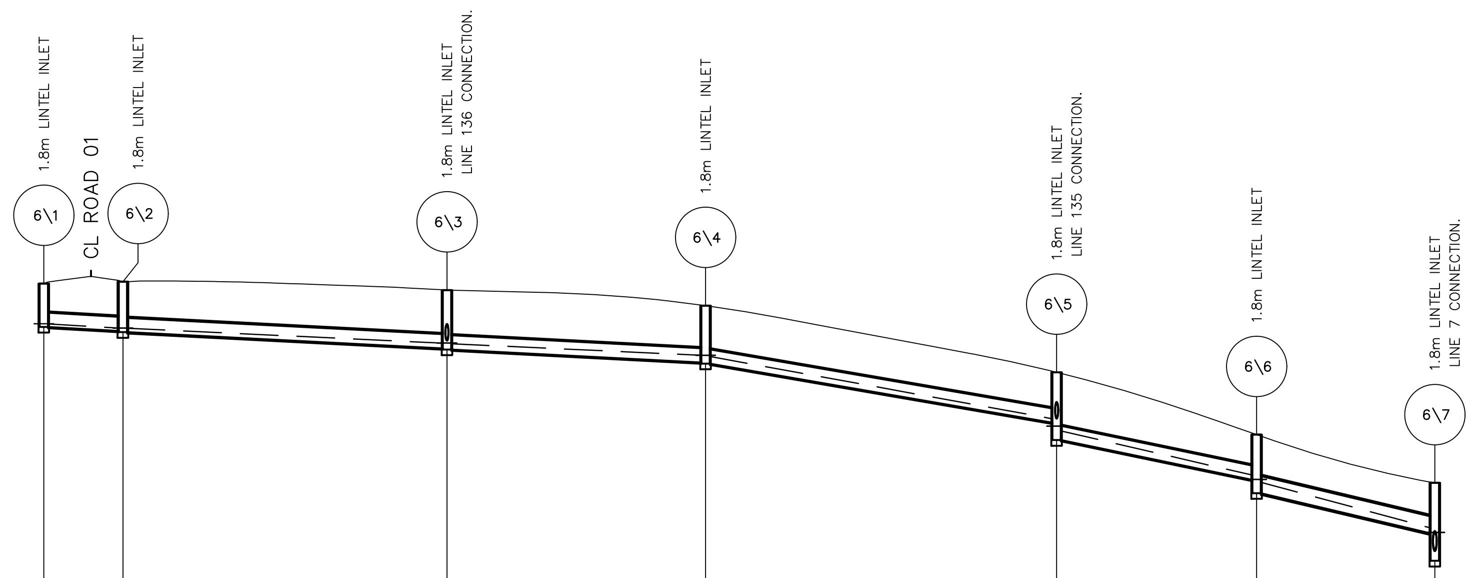
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.168		0.560		1.049	
PIPE FLOW (m3/s)		0.019		0.062		0.116	
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		375ø RCP 4	
GRADE %		1.01%		1.00%		1.00%	
DATUM R.L.	−2						
DESIGN SURFACE LEVEL	14.96		14.76		14.46		14.46
DEPTH SURFACE TO INVERT	1.3		1.38 / 1.41		1.54 / 1.57		1.67 / 3.05
H.G.L. LEVELS	13.76 / 13.76		13.56 / 13.56 / 13.52		13.29 / 13.30 / 13.14		12.99 / 12.56 / 11.97
INVERT LEVEL	13.66		13.37 / 13.34		12.92 / 12.89		12.80 / 11.41
PIPE DISTANCE & PIPE CHAINAGE	0.00	28.37	28.37	41.95	70.33	9.70	80.03

LINE 5



REFER SHEET 425 FOR CONTINUATION

VELOCITY (m/s)		0.115		0.188		0.397		0.610		0.964		1.039	
PIPE FLOW (m3/s)		0.013		0.021		0.044		0.067		0.107		0.165	
PIPE SIZE (mm) & CLASS		375ø RCP 4		375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 4		450ø RCP 3	
GRADE %		1.03%		1.00%		1.01%		3.36%		3.98%		4.51%	
DATUM R.L.	6												
DESIGN SURFACE LEVEL	27.08		27.13		26.91		26.50		24.73		23.09		21.81
DEPTH SURFACE TO INVERT	1.15		1.3 / 1.33		1.54 / 1.57		1.5 / 1.53		1.33 / 1.79		1.2 / 1.55		1.34 / 2.06
H.G.L. LEVELS	26.01		25.90		25.51 / 25.49		25.18 / 25.15		23.50 / 23.31 / 23.18		22.01 / 21.90 / 21.82		20.62 / 20.50 / 20.15
INVERT LEVEL	25.93		25.82 / 25.79		25.37 / 25.34		24.99 / 24.96		23.40 / 22.94		21.89 / 21.54		20.48 / 19.75
PIPE DISTANCE & PIPE CHAINAGE	0.00	10.46	10.46	42.87	53.33	34.21	87.54	46.44	133.99	26.45	160.44	23.57	184.01

LINE 6

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 4

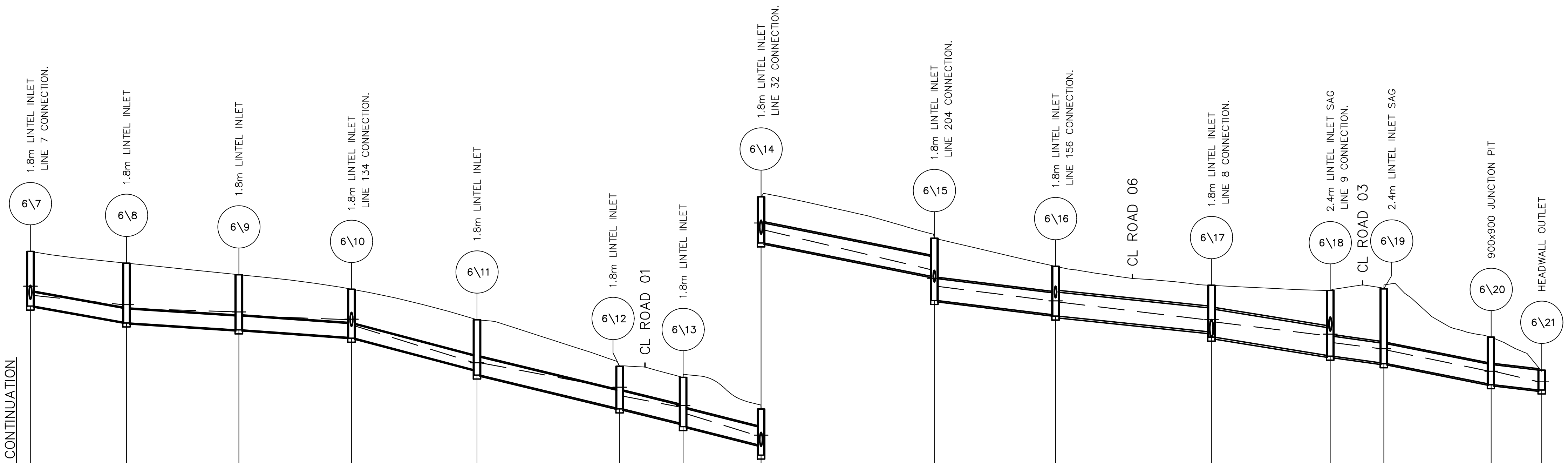
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 424 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:43PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-424.DWG

300362-CENG-425

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



REFER SHEET 424 FOR CONTINUATION

DATUM R.L. −2

Pit	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE CHAINAGE
6\7	21.81	1.34 / 2.06	20.62 / 20.50 / 20.15	20.48 / 19.75	184.01
6\8	21.37	2.23 / 2.26	19.80 / 19.66	19.14 / 19.11	202.16
6\9	20.93	2.08	19.53 / 19.39	18.85	223.35
6\10	20.39	1.82 / 1.85	19.24 / 19.26 / 19.01	18.57 / 18.54	244.61
6\11	19.23	1.89 / 2.09	17.62	17.35 / 17.15	268.30
6\12	17.48	1.58 / 1.61	16.64 / 16.69 / 16.36	15.90 / 15.87	295.21
6\13	17.06	1.73 / 1.86	15.94 / 15.99 / 15.69	15.33 / 15.20	307.19
6\14	15.87	1.35 / 1.74	14.85 / 14.88 / 14.62	14.52 / 14.13	321.91
6\15	14.31	1.43 / 2.35	13.12 / 12.80 / 12.50	12.87 / 11.96	354.61
6\16	13.25	1.82 / 1.88	11.94 / 11.90	11.42 / 11.37	377.49
6\17	12.53	1.75 / 1.96	11.22 / 11.23 / 11.15	10.78 / 10.58	406.92
6\18	12.34	2.45 / 2.48	10.63 / 10.69 / 10.37	9.89 / 9.86	429.33
6\19	12.40	2.79 / 2.82	10.14 / 10.09	9.61 / 9.58	439.43
6\20	10.58	1.76 / 1.79	9.30	8.82 / 8.79	459.71
6\21	9.34	0.75	8.89	8.59	469.25

Pipe	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
6\7 – 6\8	1.625	0.352	525ø RCP 3	3.35%	18.14
6\8 – 6\9	1.848	0.400	525ø RCP 3	1.23%	21.19
6\9 – 6\10	2.032	0.440	525ø RCP 3	1.33%	21.26
6\10 – 6\11	2.320	0.502	525ø RCP 3	5.03%	23.69
6\11 – 6\12	1.504	0.538	675ø RCP 3	4.63%	26.92
6\12 – 6\13	1.612	0.577	675ø RCP 3	4.49%	11.97
6\13 – 6\14	1.644	0.588	675ø RCP 3	4.67%	14.72
6\14 – 6\15	1.429	0.632	750ø RCP 3	3.85%	32.70
6\15 – 6\16	1.472	0.787	825ø RCP 3	2.34%	22.88
6\16 – 6\17	1.286	0.818	900ø RCP 4	2.00%	29.43
6\17 – 6\18	1.207	1.046	1050ø RCP 3	3.06%	22.42
6\18 – 6\19	1.539	1.359	(2x)750ø RCP 4	2.49%	10.10
6\19 – 6\20	1.554	1.373	(2x)750ø RCP 3	3.76%	20.27
6\20 – 6\21	1.541	1.361	(2x)750ø RCP 3	2.10%	9.54

LINE 6 (CONTINUED)

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804, HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 5

SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

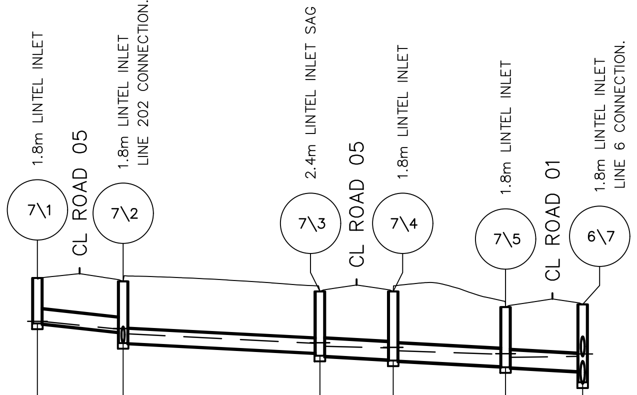
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 425 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:51PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362−CENG−425.DWG

300362-CENG-426

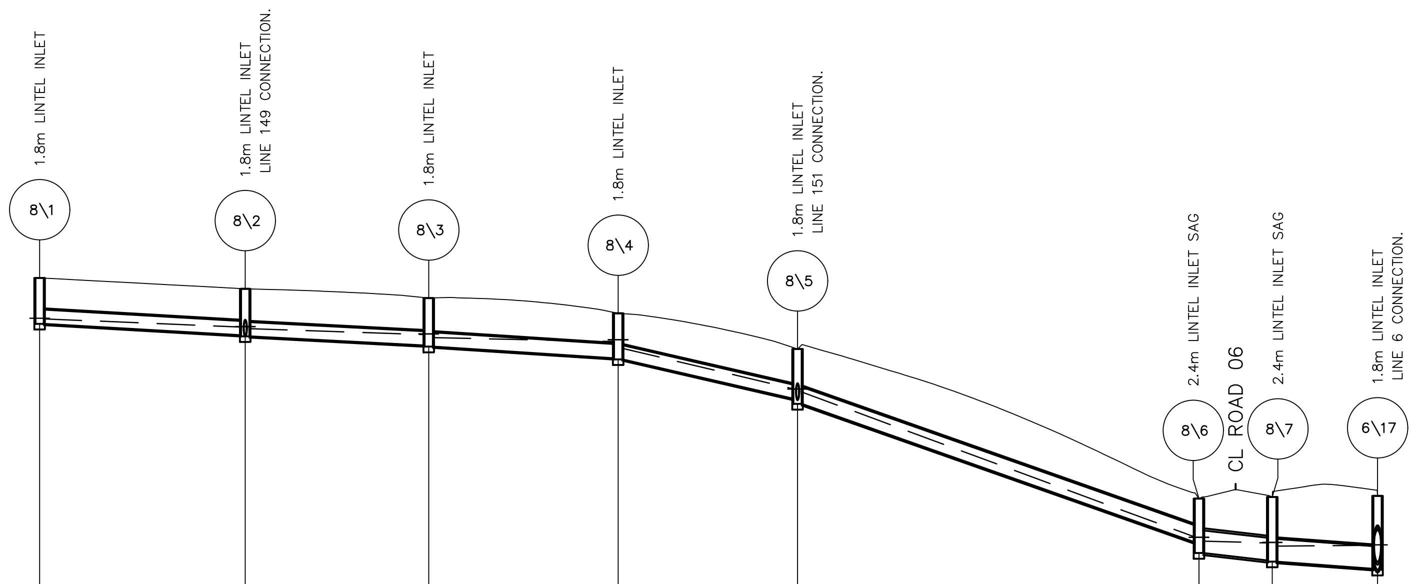
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	7\1		7\2		7\3		7\4		7\5		6\7
VELOCITY (m/s)		0.058		0.995		0.804		0.854		0.881	
PIPE FLOW (m3/s)		0.006		0.110		0.128		0.136		0.140	
PIPE SIZE (mm) & CLASS		375ø RCP 4		375ø RCP 3		450ø RCP 4		450ø RCP 3		450ø RCP 4	
GRADE %		2.00%		1.00%		1.00%		1.00%		1.00%	
DATUM R.L.	6										
DESIGN SURFACE LEVEL	22.51		22.42		22.15		22.15		21.74		21.81
DEPTH SURFACE TO INVERT	1.2	1.34	1.63	1.62	1.7	1.8	1.83	1.56	1.59	1.76	2.06
H.G.L. LEVELS	21.36	21.16 21.17	21.03	20.78 20.80	20.70	20.66 20.68	20.59	20.49 20.51	20.41	20.44 20.50	20.15
INVERT LEVEL	21.31	21.08	20.79	20.53	20.45	20.36	20.33	20.18	20.15	20.05	19.75
PIPE DISTANCE & PIPE CHAINAGE	0.00	11.33	11.33	26.03	37.37	9.70	47.07	14.87	61.93	10.20	72.13

LINE 7



	8\1		8\2		8\3		8\4		8\5		8\6		8\7		6\17
VELOCITY (m/s)		0.303		0.692		0.944		1.415		1.265		0.840		0.894	
PIPE FLOW (m3/s)		0.033		0.076		0.104		0.156		0.201		0.237		0.253	
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 3		450ø RCP 3		600ø RCP 4		600ø RCP 3	
GRADE %		1.10%		1.00%		1.22%		4.40%		6.90%		2.03%		1.36%	
DATUM R.L.	0														
DESIGN SURFACE LEVEL	18.30		18.01		17.76		17.36		16.42		12.46		12.50		12.53
DEPTH SURFACE TO INVERT	1.22	1.23	1.26	1.25	1.28	1.19	1.22	1.32	1.45	1.16	1.44	1.68	1.71	1.93	1.96
H.G.L. LEVELS	17.23 17.21	17.00 17.01	16.96	16.80 16.82	16.72	16.61 16.66	16.44	15.36	15.28	11.44 11.44	11.34	11.29 11.30	11.20	11.22 11.23	11.15
INVERT LEVEL	17.08	16.78	16.75	16.51	16.48	16.17	16.14	15.10	14.96	11.30	11.02	10.82	10.79	10.60	10.58
PIPE DISTANCE & PIPE CHAINAGE	0.00	27.20	27.20	24.26	51.46	25.06	76.52	23.74	100.27	53.09	153.36	9.70	163.06	13.93	176.99

LINE 8

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 6

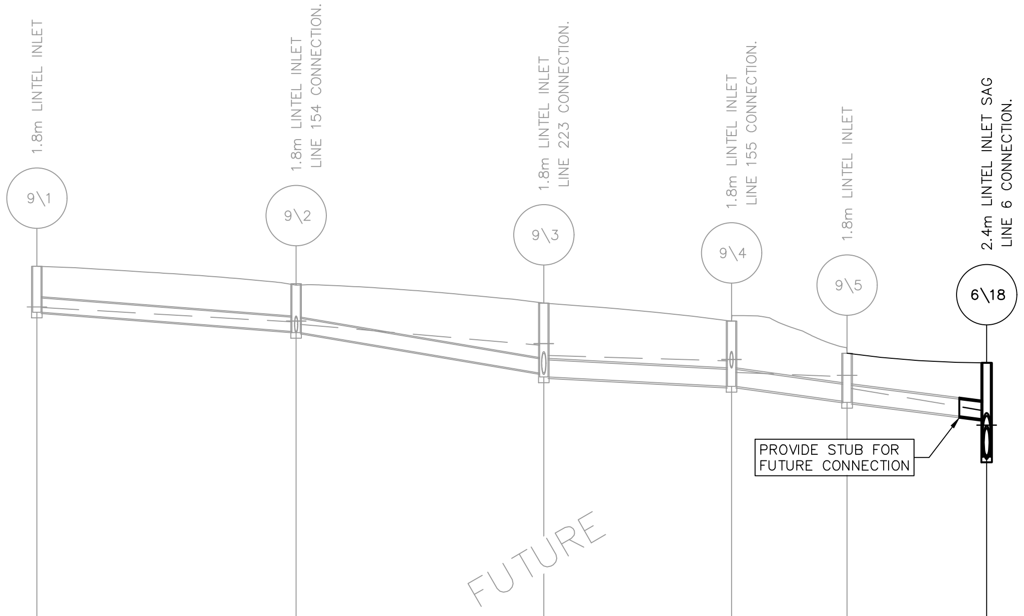
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 426 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:49:59PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-426.DWG

300362-CENG-427

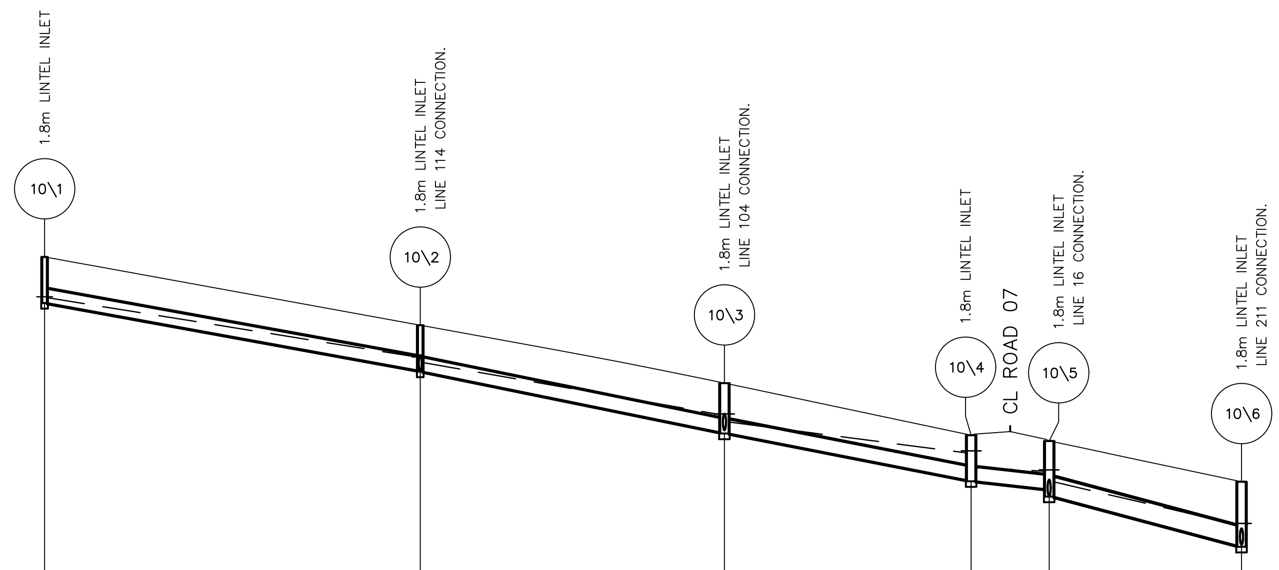
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.278		0.797		1.649		1.755		1.766
PIPE FLOW (m3/s)		0.031		0.088		0.262		0.279		0.281
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		450ø RCP 3		450ø RCP 3		450ø RCP 3
GRADE %		1.48%		3.26%		1.00%		2.57%		2.40%
DATUM R.L.	−2									
DESIGN SURFACE LEVEL	14.89		14.43		13.92		13.44		12.59		12.34
DEPTH SURFACE TO INVERT	1.21		1.26 / 1.29		1.85 / 1.95		1.73		1.27 / 1.3		1.49 / 2.48
H.G.L. LEVELS	13.82 / 13.80		13.42 / 13.44 / 13.36		12.81 / 12.85 / 12.53		12.39 / 12.43 / 12.09		11.97 / 12.01 / 11.66		11.08 / 10.69 / 10.37
INVERT LEVEL	13.68		13.17 / 13.14		12.07 / 11.96		11.72		11.32 / 11.29		10.85 / 9.86
PIPE DISTANCE & PIPE CHAINAGE	0.00	34.31	34.31	32.78	67.09	24.84	91.93	15.30	107.23	18.47	125.70

LINE 9



VELOCITY (m/s)		0.355		0.977		1.552		1.950		1.534	
PIPE FLOW (m3/s)		0.039		0.108		0.171		0.215		0.332	
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 3		525ø RCP 3	
GRADE %		3.59%		4.00%		3.78%		2.00%		5.11%	
DATUM R.L.	17										
DESIGN SURFACE LEVEL	36.95		35.14		33.61		32.22		32.07		30.99
DEPTH SURFACE TO INVERT	1.22		1.2 / 1.23		1.31 / 1.34		1.19 / 1.22		1.27 / 1.47		1.69 / 1.72
H.G.L. LEVELS	35.89 / 35.87		34.29 / 34.30 / 34.15		32.77 / 32.79 / 32.57		31.75 / 31.81 / 31.37		31.27 / 31.31 / 30.99		29.86 / 29.89 / 29.69
INVERT LEVEL	35.72		33.94 / 33.91		32.30 / 32.27		31.04 / 31.01		30.80 / 30.60		29.30 / 29.27
PIPE DISTANCE & PIPE CHAINAGE	0.00	49.70	49.70	40.24	89.94	32.64	122.58	10.32	132.89	25.44	158.34

LINE 10

REFER SHEET 428 FOR CONTINUATION

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 7

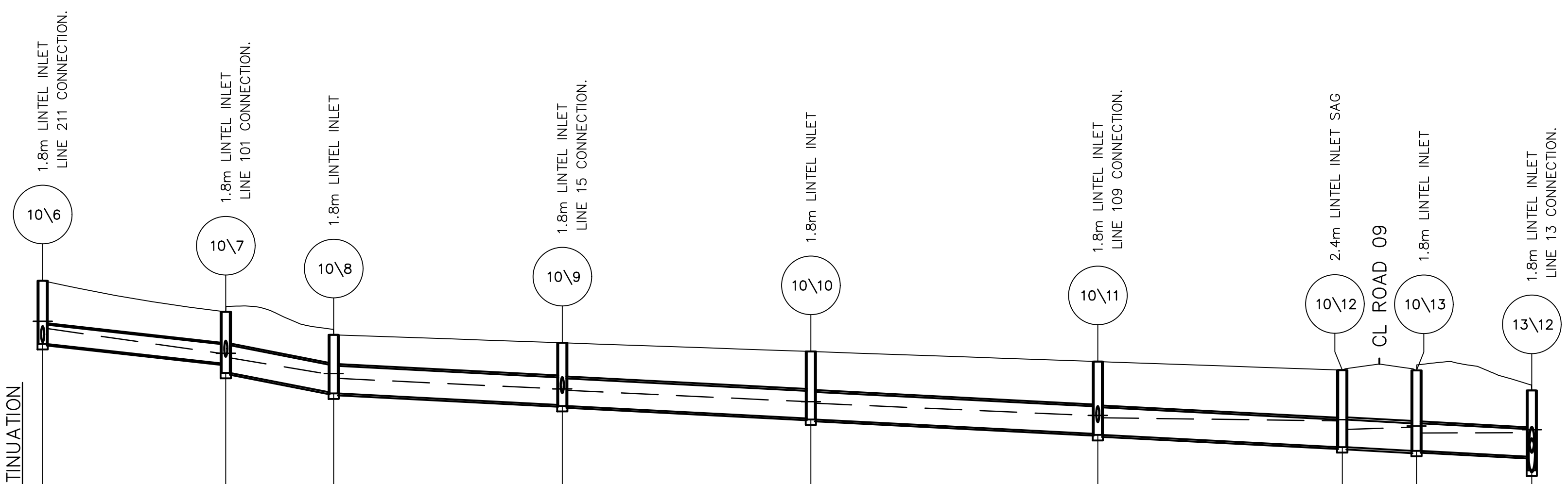
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	427	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:07PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362−CENG−427.DWG

300362-CENG-428

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



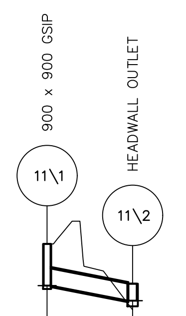
REFER SHEET 427 FOR CONTINUATION

	10\6–10\7	10\7–10\8	10\8–10\9	10\9–10\10	10\10–10\11	10\11–10\12	10\12–10\13	10\13–13\12
VELOCITY (m/s)	1.790	1.003	1.009	1.092	1.168	1.281	1.374	1.388
PIPE FLOW (m3/s)	0.387	0.443	0.446	0.482	0.516	0.566	0.607	0.613
PIPE SIZE (mm) & CLASS	525ø RCP 3	750ø RCP 3	750ø RCP 3	750ø RCP 3	750ø RCP 3	750ø RCP 3	750ø RCP 4	750ø RCP 3
GRADE %	2.13%	3.63%	1.00%	1.00%	1.00%	1.00%	1.00%	1.01%
PIPE DISTANCE	24.92	14.68	31.11	33.83	39.05	33.27	10.11	15.69

DATUM R.L.

	10\6	10\7	10\8	10\9	10\10	10\11	10\12	10\13	13\12
DESIGN SURFACE LEVEL	30.99	30.15	29.52	29.30	29.06	28.79	28.56	28.55	28.00
DEPTH SURFACE TO INVERT	1.69 / 1.72	1.41 / 1.66	1.57 / 1.6	1.69 / 1.72	1.82 / 1.85	1.97 / 2	2.1	2.19	1.8 / 2.18
H.G.L. LEVELS	29.86 / 29.89 / 29.69	29.01 / 29.02 / 28.89	28.44 / 28.46 / 28.33	28.05 / 28.01	27.70 / 27.66	27.32 / 27.26	27.17 / 27.21 / 26.94	27.00 / 27.04 / 26.84	26.85 / 26.93 / 26.47
INVERT LEVEL	29.30 / 29.27	28.74 / 28.48	27.95 / 27.92	27.61 / 27.58	27.24 / 27.21	26.82 / 26.79	26.46	26.36	26.20 / 25.82
PIPE CHAINAGE	158.34	183.26	197.94	229.05	262.88	301.92	335.19	345.30	360.98

LINE 10 (CONTINUED)



	11\1–11\2
VELOCITY (m/s)	0.000
PIPE FLOW (m3/s)	0.000
PIPE SIZE (mm) & CLASS	450ø RCP 3
GRADE %	3.53%
DATUM R.L.	2
PIPE DISTANCE	11.34

	11\1	11\2
DESIGN SURFACE LEVEL	17.20	16.15
DEPTH SURFACE TO INVERT	1.1	0.45
H.G.L. LEVELS	16.10	15.70
INVERT LEVEL	16.10	15.70
PIPE CHAINAGE	0.00	11.34

LINE 11

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

adw johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 8

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 428 REV. E

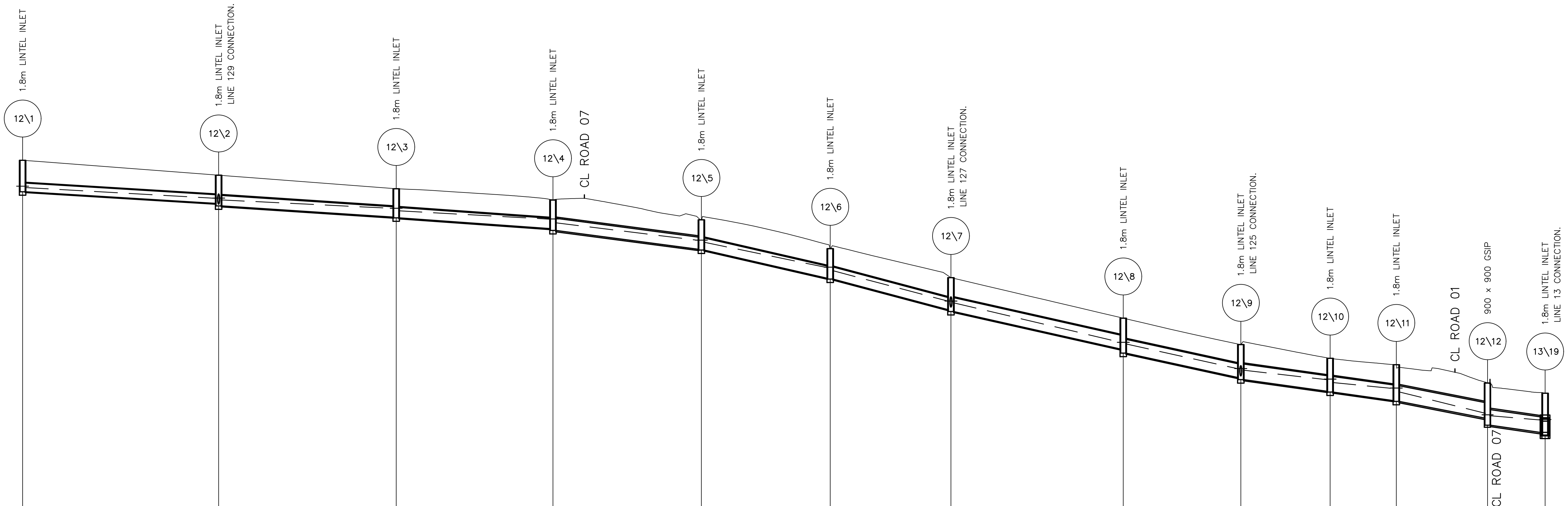
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–428.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



Pipe	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
12\1 – 12\2	0.563	0.062	375ø RCP 3	1.19%	42.39
12\2 – 12\3	0.847	0.135	450ø RCP 3	1.27%	38.39
12\3 – 12\4	1.170	0.186	450ø RCP 3	1.38%	33.88
12\4 – 12\5	1.099	0.238	525ø RCP 4	2.54%	32.10
12\5 – 12\6	1.159	0.251	525ø RCP 3	4.39%	27.85
12\6 – 12\7	1.321	0.286	525ø RCP 3	5.08%	26.11
12\7 – 12\8	1.181	0.334	600ø RCP 3	4.35%	37.26
12\8 – 12\9	1.312	0.371	600ø RCP 3	4.17%	25.40
12\9 – 12\10	1.146	0.410	675ø RCP 3	2.63%	19.31
12\10 – 12\11	1.180	0.422	675ø RCP 3	2.59%	14.30
12\11 – 12\12	1.173	0.420	675ø RCP 4	3.68%	19.73
12\12 – 13\19	1.166	0.417	675ø RCP 4	2.63%	12.44

DATUM R.L. 9

Pit	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE CHAINAGE
12\1	29.56	1.36	28.44 / 28.38	28.20	0.00
12\2	28.91	1.22 / 1.32	27.92, 27.93 / 27.85	27.70 / 27.59	42.39
12\3	28.33	1.23 / 1.26	27.48, 27.49 / 27.38	27.10 / 27.07	80.78
12\4	27.84	1.24 / 1.31	27.02, 27.03 / 26.86	26.61 / 26.53	114.66
12\5	26.99	1.28 / 1.31	26.10, 26.11 / 26.02	25.71 / 25.68	146.75
12\6	25.75	1.28 / 1.31	24.92, 24.95 / 24.79	24.46 / 24.43	174.60
12\7	24.49	1.38 / 1.46	23.47, 23.48 / 23.41	23.11 / 23.03	200.71
12\8	22.74	1.33 / 1.51	21.70 / 21.63	21.41 / 21.23	237.97
12\9	21.60	1.43 / 1.51	20.56, 20.57 / 20.50	20.18 / 20.09	263.37
12\10	21.01	1.43 / 1.46	20.09, 20.11 / 19.97	19.58 / 19.55	282.68
12\11	20.73	1.55 / 1.58	19.70, 19.73 / 19.56	19.18 / 19.15	296.99
12\12	19.95	1.52 / 1.82	18.64, 18.57 / 18.53	18.43 / 18.12	316.72
13\19	19.50	1.71 / 1.81	18.34, 18.37 / 18.19	17.80 / 17.70	329.16

LINE 12

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 9

SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 429 | REV. E

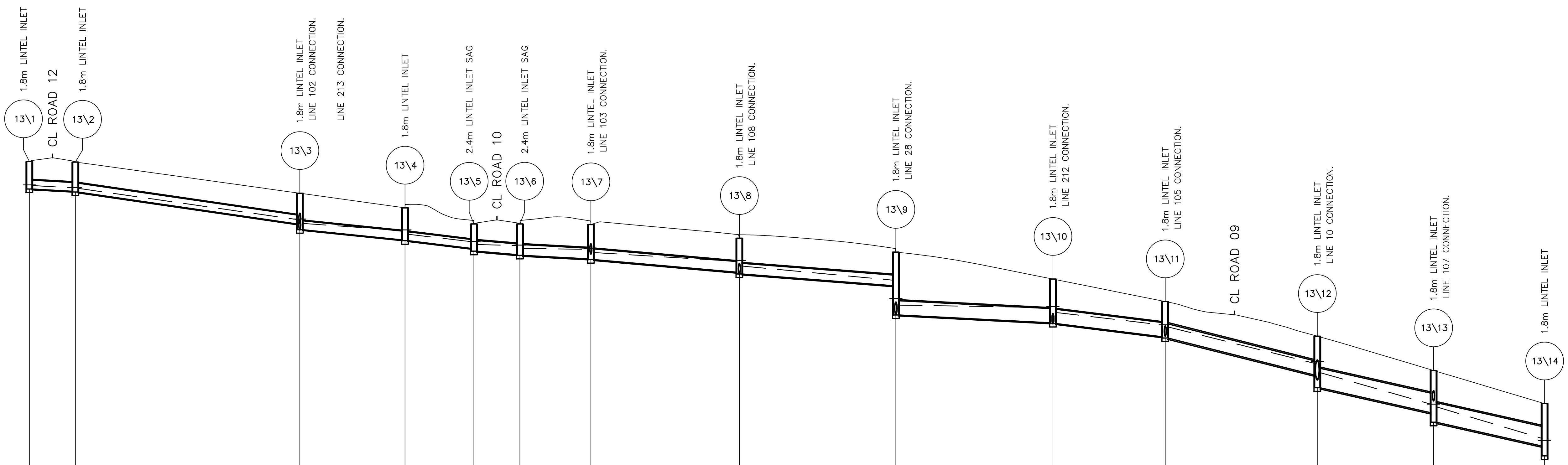
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-429.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



Segment	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
13\1 – 13\2	0.379	0.042	375ø RCP 4	1.00%	9.72
13\2 – 13\3	0.428	0.047	375ø RCP 3	2.84%	47.38
13\3 – 13\4	1.185	0.131	375ø RCP 3	1.95%	22.21
13\4 – 13\5	1.217	0.134	375ø RCP 3	2.25%	14.55
13\5 – 13\6	1.014	0.161	450ø RCP 4	1.50%	9.70
13\6 – 13\7	1.069	0.170	450ø RCP 3	1.00%	14.99
13\7 – 13\8	1.134	0.180	450ø RCP 3	1.70%	31.35
13\8 – 13\9	1.415	0.225	450ø RCP 3	1.50%	33.05
13\9 – 13\10	1.416	0.400	600ø RCP 3	1.00%	33.16
13\10 – 13\11	1.786	0.505	600ø RCP 3	2.38%	23.72
13\11 – 13\12	1.849	0.523	600ø RCP 4	4.87%	32.10
13\12 – 13\13	2.113	1.129	825ø RCP 3	4.31%	24.54
13\13 – 13\14	2.182	1.167	825ø RCP 3	4.30%	23.44

DATUM R.L. 14

Pit	PIPE CHAINAGE	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL
13\1	0.00	35.38	1.16	34.39 / 34.37	34.22
13\2	9.72	35.36	1.24 / 1.27	34.27 / 34.25	34.12 / 34.09
13\3	57.10	34.04	1.3 / 1.54	32.93 / 32.95 / 32.77	32.74 / 32.50
13\4	79.31	33.42	1.35 / 1.38	32.46 / 32.49 / 32.31	32.07 / 32.04
13\5	93.86	32.74	1.03 / 1.15	32.00 / 31.88	31.71 / 31.59
13\6	103.56	32.74	1.3 / 1.33	31.83 / 31.85 / 31.71	31.45 / 31.42
13\7	118.55	32.72	1.45 / 1.48	31.67 / 31.69 / 31.54	31.27 / 31.24
13\8	149.89	32.14	1.43 / 1.51	31.16 / 31.21 / 30.96	30.70 / 30.63
13\9	182.94	31.55	1.42 / 2.65	30.37 / 29.59 / 29.31	30.13 / 28.90
13\10	216.10	30.41	1.85 / 1.88	29.21 / 29.25 / 29.00	28.57 / 28.54
13\11	239.82	29.47	1.49 / 1.54	28.48 / 28.48 / 28.40	27.97 / 27.92
13\12	271.92	28.00	1.64 / 2.18	26.85 / 26.93 / 26.47	26.36 / 25.82
13\13	296.46	26.55	1.79 / 2.18	25.13 / 25.13 / 25.02	24.77 / 24.37
13\14	319.90	25.15	1.79 / 2.21	23.68 / 23.60 / 23.59	23.36 / 22.95

LINE 13

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

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DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 10

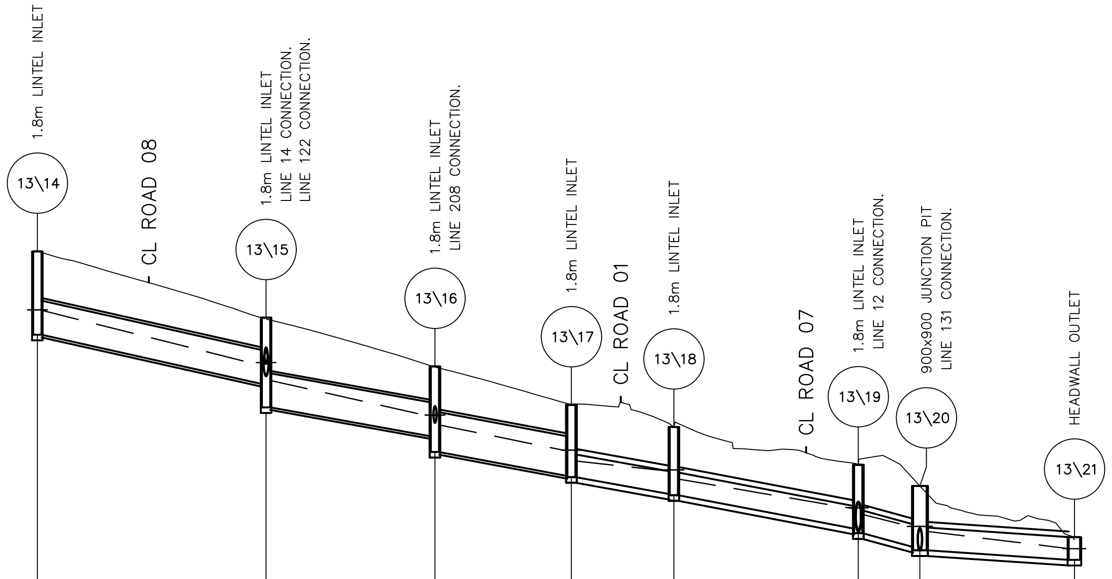
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 430 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:31PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-430.DWG

300362-CENG-431

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.

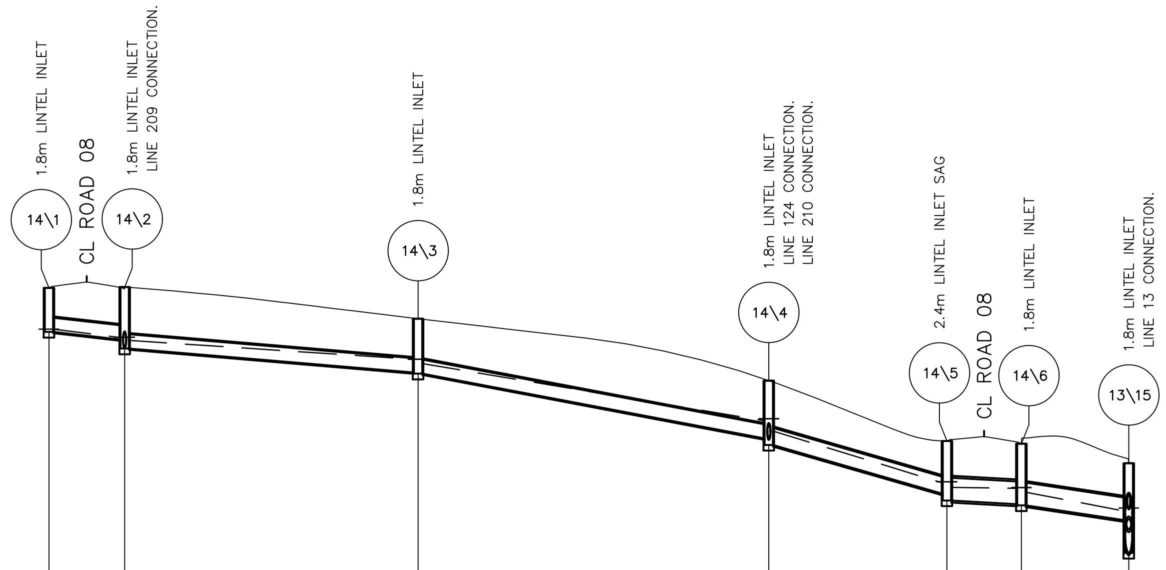


Pit	13\14	13\15	13\16	13\17	13\18	13\19	13\20	13\21
DESIGN SURFACE LEVEL	25.15	23.40	22.11	21.09	20.50	19.50	18.95	17.59
DEPTH SURFACE TO INVERT	1.79 / 2.21	1.76 / 2.37	1.85 / 2.26	1.88 / 1.91	1.77 / 1.8	1.69 / 1.81	1.62 / 1.7	0.6
H.G.L. LEVELS	23.68 / 23.60 / 23.59	22.13 / 22.21 / 21.74	20.78 / 20.82 / 20.56	19.87 / 19.90 / 19.61	19.33 / 19.37 / 19.13	18.34 / 18.37 / 18.19	17.86 / 17.87 / 17.74	17.29
INVERT LEVEL	23.36 / 22.95	21.64 / 21.02	20.26 / 19.84	19.21 / 19.18	18.73 / 18.70	17.81 / 17.70	17.33 / 17.24	16.99
PIPE CHAINAGE	319.90	350.17	372.52	390.58	404.15	428.55	436.70	457.15

DATUM R.L. 5

Segment	13\14–13\15	13\15–13\16	13\16–13\17	13\17–13\18	13\18–13\19	13\19–13\20	13\20–13\21
VELOCITY (m/s)	1.869	2.290	1.817	1.451	1.454	1.815	1.851
PIPE FLOW (m3/s)	1.189	1.457	1.574	1.567	1.570	1.960	1.998
PIPE SIZE (mm) & CLASS	900ø RCP 4	900ø RCP 3	1050ø RCP 3	1800x600ø BOX CULVERT	1800x600ø BOX CULVERT	1800x600ø BOX CULVERT	1800x600ø BOX CULVERT
GRADE %	4.31%	3.43%	3.52%	3.31%	3.63%	4.50%	1.24%
PIPE DISTANCE	30.26	22.36	18.06	13.56	24.41	8.15	20.45

LINE 13 (CONTINUED)



Pit	14\1	14\2	14\3	14\4	14\5	14\6	13\15
DESIGN SURFACE LEVEL	28.04	28.05	27.22	25.58	23.98	23.91	23.40
DEPTH SURFACE TO INVERT	1.17	1.38 / 1.62	1.42 / 1.45	1.53 / 1.7	1.39 / 1.57	1.6 / 1.63	1.51 / 2.37
H.G.L. LEVELS	26.94	26.72 / 26.73 / 26.65	26.14 / 26.03	24.52 / 24.57 / 24.24	22.87 / 22.90 / 22.76	22.73 / 22.75 / 22.63	22.13 / 22.21 / 21.74
INVERT LEVEL	26.87	26.67 / 26.43	25.80 / 25.77	24.05 / 23.88	22.59 / 22.41	22.31 / 22.28	21.89 / 21.02
PIPE CHAINAGE	0.00	10.01	48.81	95.20	118.75	128.59	142.79

DATUM R.L. 10

Segment	14\1–14\2	14\2–14\3	14\3–14\4	14\4–14\5	14\5–14\6	14\6–13\15
VELOCITY (m/s)	0.097	0.788	1.179	1.706	0.999	1.020
PIPE FLOW (m3/s)	0.011	0.087	0.130	0.271	0.282	0.288
PIPE SIZE (mm) & CLASS	375ø RCP 4	375ø RCP 3	375ø RCP 3	450ø RCP 3	600ø RCP 4	600ø RCP 3
GRADE %	2.00%	1.64%	3.70%	5.49%	1.00%	2.78%
PIPE DISTANCE	10.01	38.80	46.38	23.55	9.85	14.19

LINE 14

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

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DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 11

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 431 — REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-431.DWG

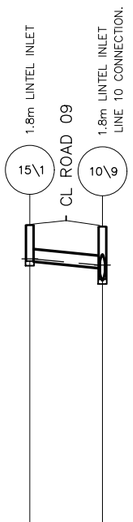
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-432

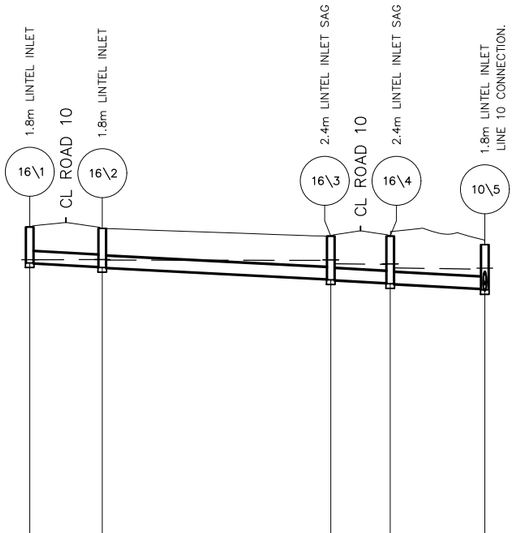
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



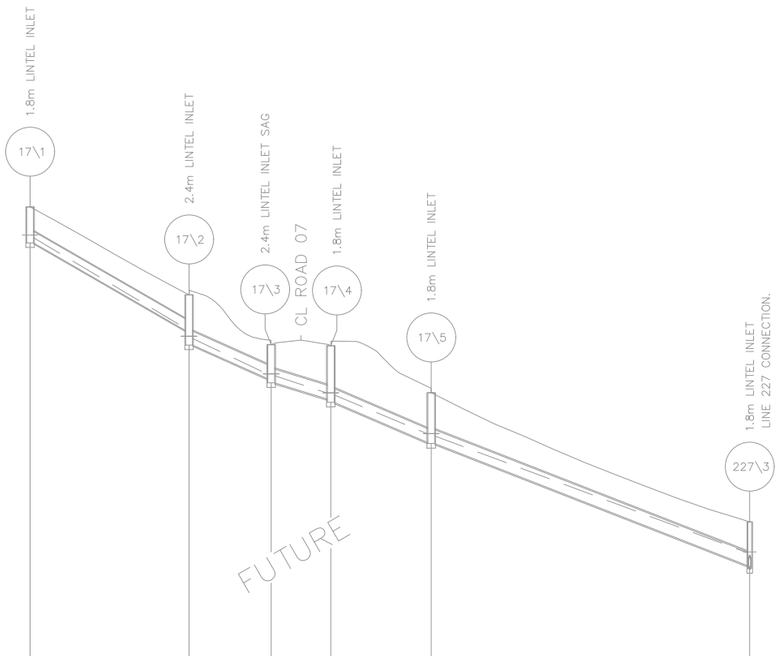
VELOCITY (m/s)		0.091	
PIPE FLOW (m3/s)		0.010	
PIPE SIZE (mm) & CLASS		375ø RCP 4	
GRADE %		1.82%	
DATUM R.L.		14	
DESIGN SURFACE LEVEL		29.35	29.30
DEPTH SURFACE TO INVERT		1.17	1.34 1.72
H.G.L. LEVELS		28.25	28.05 28.01
INVERT LEVEL		28.18	27.96 27.58
PIPE DISTANCE & PIPE CHAINAGE	0.00	11.84	11.84

LINE 15



VELOCITY (m/s)	0.100	0.458	0.938	1.040	
PIPE FLOW (m3/s)	0.011	0.051	0.104	0.115	
PIPE SIZE (mm) & CLASS	375ø RCP 4	375ø RCP 3	375ø RCP 4	375ø RCP 3	
GRADE %	1.00%	1.00%	1.00%	1.00%	
DATUM R.L.	17				
DESIGN SURFACE LEVEL	32.65	32.60	32.35	32.35	32.07
DEPTH SURFACE TO INVERT	1.17 1.24	1.27 1.4	1.43 1.53	1.56 1.43	1.47
H.G.L. LEVELS	31.58 31.58	31.57 31.56 31.58	31.45 31.43 31.45	31.31 31.37 31.37	30.99
INVERT LEVEL	31.47 31.36	31.33 30.95	30.92 30.83 30.80	30.64	30.60
PIPE DISTANCE & PIPE CHAINAGE	0.00 11.83	11.83 37.28	49.11 9.70	58.81 15.42	74.23

LINE 16



VELOCITY (m/s)	0.490	0.609	0.698	0.754	0.786	
PIPE FLOW (m3/s)	0.054	0.097	0.111	0.120	0.125	
PIPE SIZE (mm) & CLASS	375ø RCP 3	450ø RCP 3	450ø RCP 4	450ø RCP 3	450ø RCP 3	
GRADE %	11.04%	8.21%	5.45%	8.01%	7.68%	
DATUM R.L.	-6					
DESIGN SURFACE LEVEL	14.31	11.45	9.82	9.79	8.25	4.04
DEPTH SURFACE TO INVERT	1.17	1.17 1.64	1.11 1.24	1.74 1.85	1.62 1.65	1.43 1.52
H.G.L. LEVELS	13.40 13.31	10.35 10.09 10.03	8.86 8.87 8.81	8.24 8.25 8.18	6.91 6.92 6.85	3.03 3.07 2.83
INVERT LEVEL	13.14	10.28 9.81	8.71 8.58	8.05 7.94	6.63 6.60	2.61 2.52
PIPE DISTANCE & PIPE CHAINAGE	-25.93 25.93	0.00 13.39	13.39 9.72	23.11 16.39	39.50 51.95	91.45

LINE 17

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000; A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 12

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 432 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-432.DWG

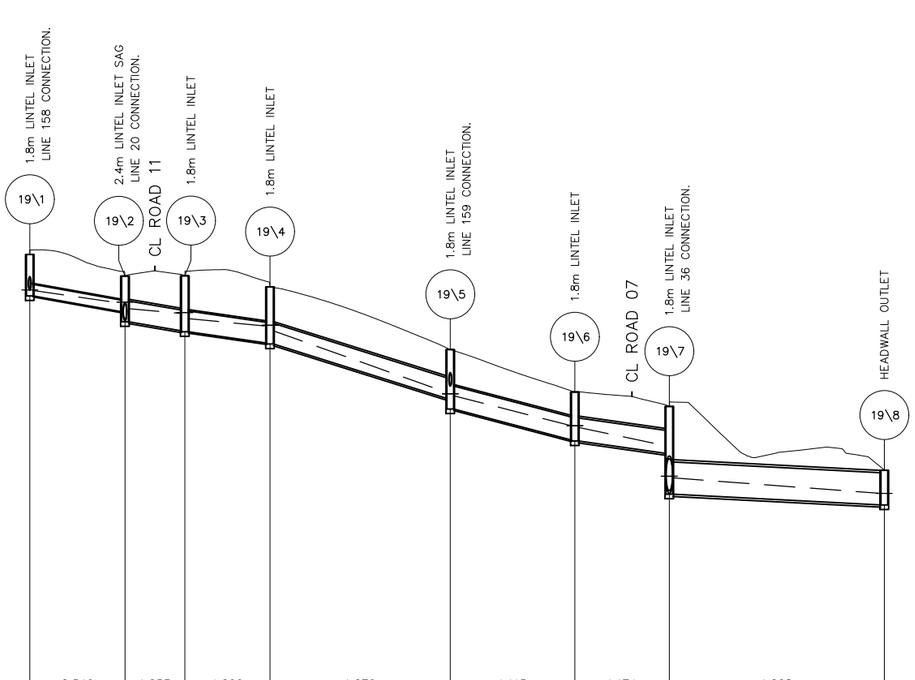
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-433

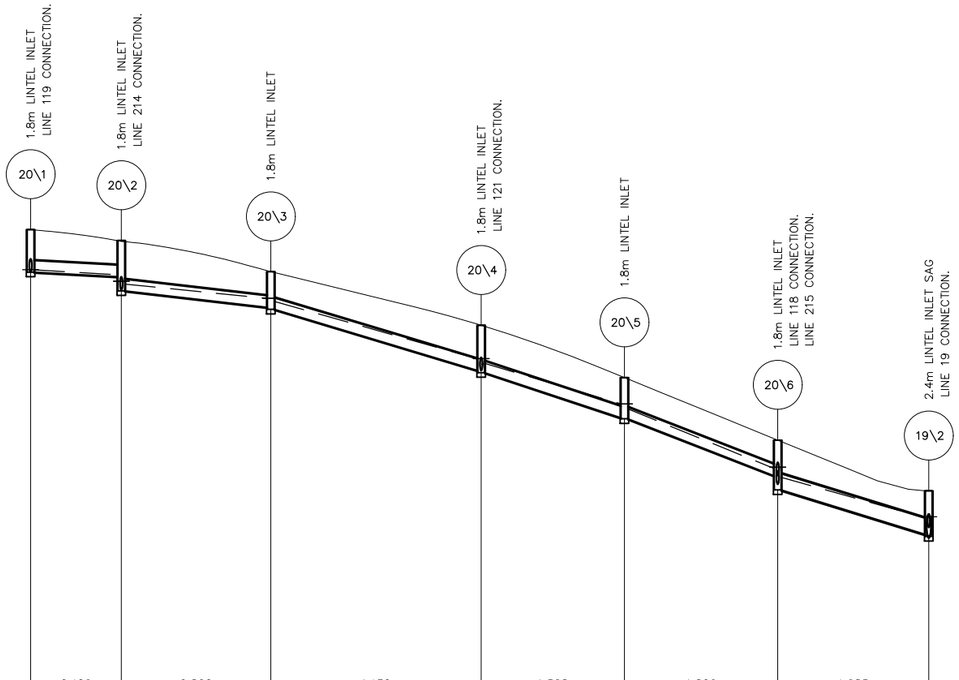
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	19\1		19\2		19\3		19\4		19\5		19\6		19\7		19\8	
VELOCITY (m/s)	0.546		1.253		1.266		1.276		1.115		1.174		1.028			
PIPE FLOW (m3/s)	0.060		0.448		0.453		0.457		0.493		0.519		1.780			
PIPE SIZE (mm) & CLASS	375ø RCP 3		675ø RCP 4		675ø RCP 3		675ø RCP 4		750ø RCP 3		750ø RCP 4		(2x)900x1050ø RCP 3			
GRADE %	3.33%		3.04%		2.65%		6.05%		4.98%		2.64%		1.00%			
DATUM R.L.	0															
DESIGN SURFACE LEVEL	19.25		18.55		18.56		18.20		16.15		14.77		14.30		12.21	
DEPTH SURFACE TO INVERT	1.35	1.16	1.49	1.79	1.82	1.83	1.86	1.6	1.94	1.56	1.59	1.53	2.86		1.13	
H.G.L. LEVELS	18.09	18.08	17.66 17.70	17.48	17.33 17.36	17.16	16.91 16.94	16.76	14.75 14.71	14.64	13.66	13.62	13.01 12.02	11.97	11.46	
INVERT LEVEL	17.90		17.38	17.06	16.76	16.73	16.36	16.33	14.55	14.21	13.20	13.17	12.76	11.44	11.09	
PIPE DISTANCE & PIPE CHAINAGE	0.00	15.52		15.52	9.76	25.28	13.90	39.18	29.40	68.58	20.32	88.90	15.40	104.30	35.07	139.37

LINE 19



	20\1		20\2		20\3		20\4		20\5		20\6		19\2	
VELOCITY (m/s)	0.106		0.820		1.130		1.528		1.806		1.685			
PIPE FLOW (m3/s)	0.012		0.091		0.125		0.169		0.199		0.365			
PIPE SIZE (mm) & CLASS	375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 3		525ø RCP 3			
GRADE %	1.00%		2.21%		5.82%		6.31%		7.44%		5.89%			
DATUM R.L.	7													
DESIGN SURFACE LEVEL	27.06		26.71		25.69		23.94		22.24		20.20		18.55	
DEPTH SURFACE TO INVERT	1.39	1.18	1.64	1.17	1.23	1.48	1.54	1.31	1.34	1.16	1.62	1.42	1.49	
H.G.L. LEVELS	25.75	25.59 25.38	25.29	24.82 24.82	24.72	22.84 22.86	22.70	21.38	21.22	19.27 19.32	18.98	17.66 17.70	17.48	
INVERT LEVEL	25.67	25.53	25.06	24.53	24.46	22.47	22.40	20.92	20.89	19.03	18.58	17.12	17.06	
PIPE DISTANCE & PIPE CHAINAGE	0.00	14.81	14.81	24.38	39.18	34.32	73.50	23.37	96.87	25.00	121.87	24.63	146.50	

LINE 20

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:500 — 0 12.5 25.0m — A3 1:1000

A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 13

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 433 REV. E

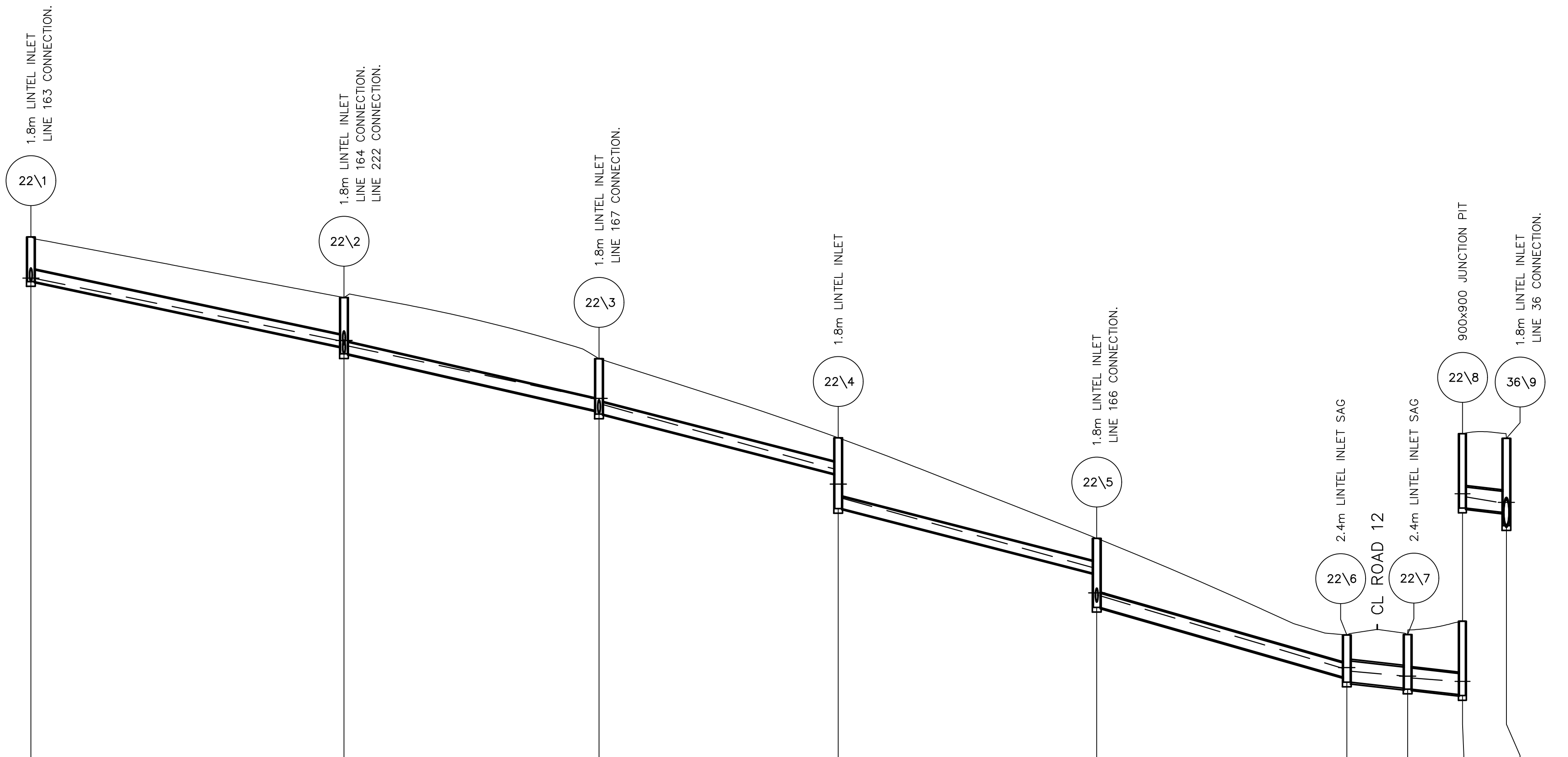
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:50:56PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-433.DWG

300362-CENG-434

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	22\1 – 22\2	22\2 – 22\3	22\3 – 22\4	22\4 – 22\5	22\5 – 22\6	22\6 – 22\7	22\7 – 22\8	22\8 – 36\9
VELOCITY (m/s)	0.206	1.099	1.570	1.963	1.754	0.873	0.914	0.911
PIPE FLOW (m3/s)	0.023	0.121	0.173	0.217	0.279	0.313	0.327	0.326
PIPE SIZE (mm) & CLASS	375ø RCP 3	375ø RCP 3	375ø RCP 3	375ø RCP 3	450ø RCP 3	675ø RCP 4	675ø RCP 3	675ø RCP 3
GRADE %	4.15%	4.45%	5.00%	5.00%	5.58%	2.00%	2.00%	2.00%
PIPE DISTANCE	50.12	40.83	38.29	41.38	40.03	9.74	8.78	7.03

	22\1	22\2	22\3	22\4	22\5	22\6	22\7	22\8	36\9
DATUM R.L.	8							2	
DESIGN SURFACE LEVEL	30.09	28.15	26.19	23.66	20.45	17.36	17.37	17.80	17.65
DEPTH SURFACE TO INVERT	1.43	1.57 / 1.8	1.66 / 1.77	1.15 / 2.26	1.12 / 2.21	1.35 / 1.51	1.72 / 1.75	2.35 / 2.38	2.37 / 2.8
H.G.L. LEVELS	28.77 / 28.77	26.76 26.78 / 26.61	24.91 24.93 / 24.73	22.66 22.18 / 21.73	19.51 18.70 / 18.61	16.28 16.31 / 16.20	16.04 / 15.98	15.86 15.87 / 15.78	15.57 15.60 / 15.44
INVERT LEVEL	28.66	26.58 / 26.35	24.53 / 24.42	22.51 / 21.40	19.33 / 18.24	16.01 / 15.85	15.65 / 15.62	15.45 / 15.42	15.28 / 14.85
PIPE CHAINAGE	0.00	50.12	90.95	129.25	170.63	210.66	220.40	229.18	236.21

LINE 22

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 14

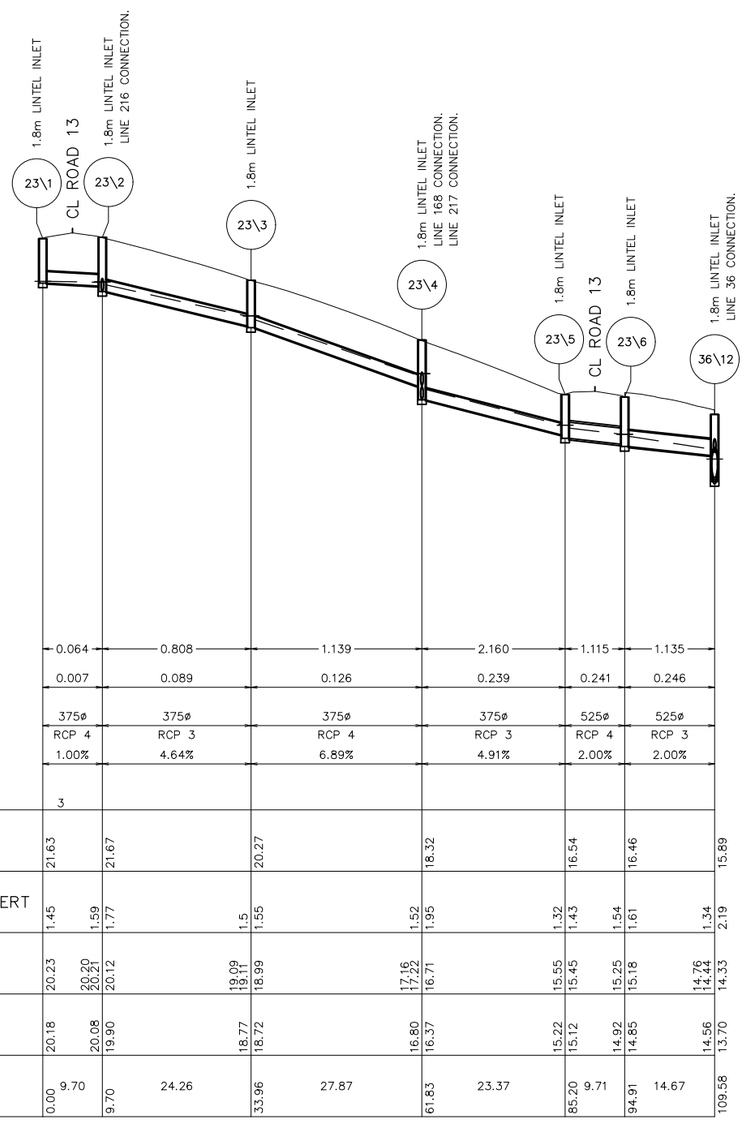
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	434	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-434.DWG

300362-CENG-435

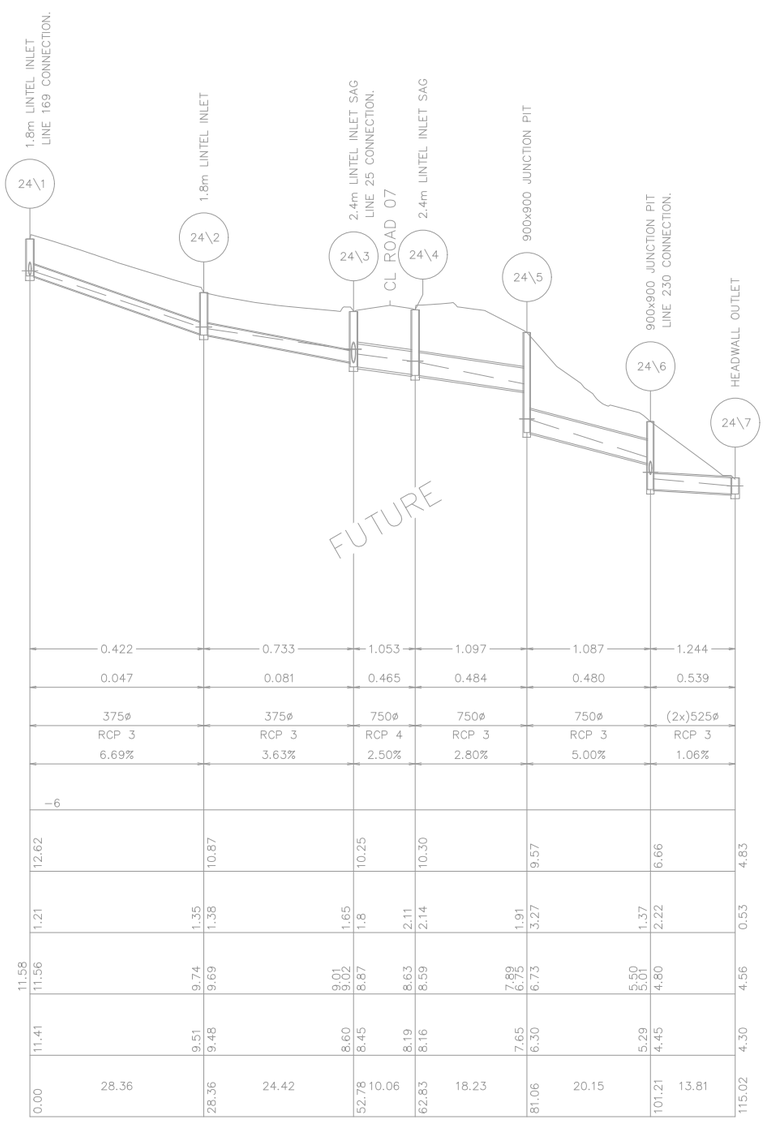
NOTES:

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2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)	0.064		0.808		1.139		2.160		1.115	1.135			
PIPE FLOW (m3/s)	0.007		0.089		0.126		0.239		0.241	0.246			
PIPE SIZE (mm) & CLASS	375ø RCP 4		375ø RCP 3		375ø RCP 4		375ø RCP 3		525ø RCP 4	525ø RCP 3			
GRADE %	1.00%		4.64%		6.89%		4.91%		2.00%	2.00%			
DATUM R.L.	3												
DESIGN SURFACE LEVEL	21.63		21.67		20.27		18.32		16.54	16.46			15.89
DEPTH SURFACE TO INVERT	1.45	1.59	1.77	1.5	1.55	1.52	1.95	1.32	1.43	1.54	1.61	1.34	2.19
H.G.L. LEVELS	20.23	20.20	20.12	19.09	19.11	18.99	17.16	17.22	16.71	15.55	15.45	15.25	15.18	14.76	14.44	14.33
INVERT LEVEL	20.18	20.08	19.90	18.77	18.72	16.80	16.37	15.22	15.12	14.92	14.85	14.56	13.70
PIPE DISTANCE & PIPE CHAINAGE	0.00	9.70	9.70	24.26	33.96	27.87	61.83	23.37	85.20	9.71	94.91	14.67	109.58

LINE 23



VELOCITY (m/s)	0.422		0.733		1.053	1.097		1.087		1.244			
PIPE FLOW (m3/s)	0.047		0.081		0.465	0.484		0.480		0.539			
PIPE SIZE (mm) & CLASS	375ø RCP 3		375ø RCP 3		750ø RCP 4	750ø RCP 3		750ø RCP 3		(2x)525ø RCP 3			
GRADE %	6.69%		3.63%		2.50%	2.80%		5.00%		1.06%			
DATUM R.L.	-6												
DESIGN SURFACE LEVEL	12.62		10.87		10.25	10.30		9.57		6.66			4.83
DEPTH SURFACE TO INVERT	1.21	1.35	1.38	1.65	1.8	2.11	2.14	1.91	3.27	1.37	2.22	0.53	
H.G.L. LEVELS	11.58	11.56	9.74	9.69	9.01	9.02	8.87	8.63	8.59	7.89	6.73	5.50	5.01	4.80	4.56	
INVERT LEVEL	11.41	9.51	9.48	8.60	8.45	8.19	8.16	7.65	6.30	5.29	4.45	4.30	
PIPE DISTANCE & PIPE CHAINAGE	0.00	28.36	28.36	24.42	52.78	10.06	62.83	18.23	81.06	20.15	101.21	13.81	115.02

LINE 24

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:500 — 0 12.5 25.0m — A3 1:1000

A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

PROJECT

PROPOSED SUBDIVISION

PLAN TITLE

STORMWATER LONGITUDINAL SECTIONS
SHEET 15

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362	CENG	435	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:12PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-435.DWG

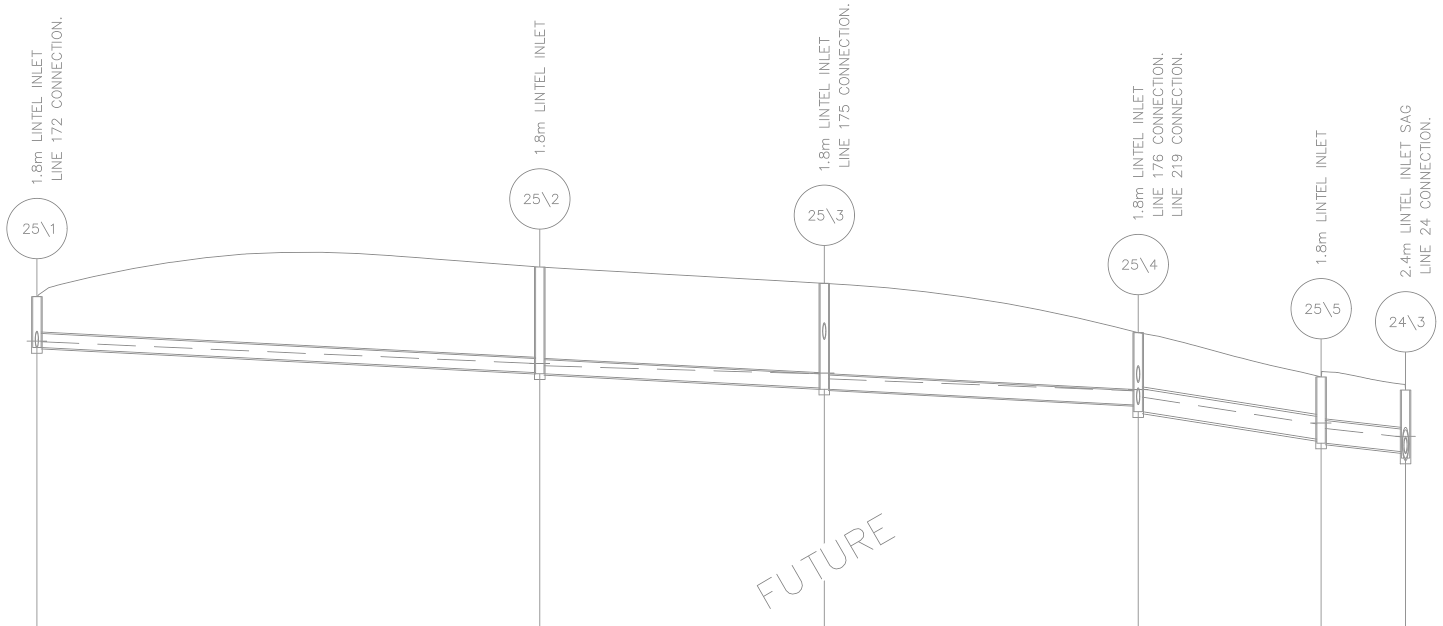
100mm AT FULL SIZE

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300362-CENG-436

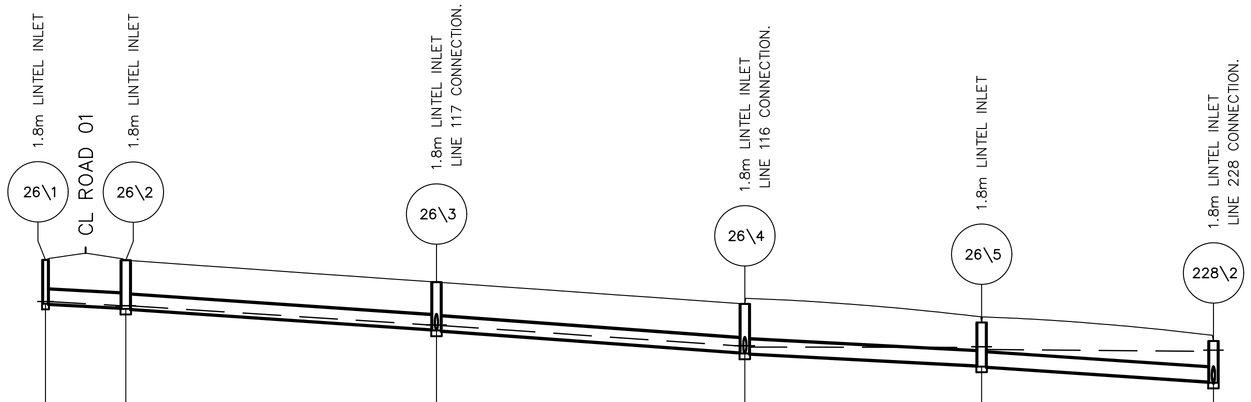
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	25\1		25\2		25\3		25\4		25\5		24\3
VELOCITY (m/s)		0.411		0.767		1.245		1.232		1.246	
PIPE FLOW (m3/s)		0.045		0.085		0.137		0.348		0.352	
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		375ø RCP 3		600ø RCP 4		600ø RCP 3	
GRADE %		1.00%		1.00%		1.00%		3.00%		2.04%	
DATUM R.L.	−4										
DESIGN SURFACE LEVEL	12.72		13.50		13.07		11.77		10.59		10.25
DEPTH SURFACE TO INVERT	1.35		2.79 / 2.82		2.77 / 2.8		1.91 / 2.09		1.65 / 1.75		1.63 / 1.8
H.G.L. LEVELS	11.54 / 11.52		10.95 / 10.89		10.67 / 10.69 / 10.54		10.23 / 10.26 / 10.06		9.35 / 9.37 / 9.23		9.01 / 9.02 / 8.87
INVERT LEVEL	11.37		10.71 / 10.68		10.30 / 10.27		9.85 / 9.67		8.95 / 8.84		8.61 / 8.45
PIPE DISTANCE & PIPE CHAINAGE	0.00	66.53	66.53	37.64	104.17	41.53	145.70	24.20	169.89	11.17	181.06

LINE 25



	26\1		26\2		26\3		26\4		26\5		228\2
VELOCITY (m/s)		0.058		0.116		0.313		0.509		0.771	
PIPE FLOW (m3/s)		0.006		0.013		0.035		0.056		0.085	
PIPE SIZE (mm) & CLASS		375ø RCP 4		375ø RCP 3		375ø RCP 3		375ø RCP 3		375ø RCP 3	
GRADE %		1.00%		1.32%		1.42%		1.00%		1.30%	
DATUM R.L.	11										
DESIGN SURFACE LEVEL	27.14		27.13		26.55		25.98		25.49		25.00
DEPTH SURFACE TO INVERT	1.16		1.25 / 1.28		1.25 / 1.28		1.28 / 1.31		1.14 / 1.17		1.07 / 1.1
H.G.L. LEVELS	26.04		25.93		25.42 / 25.41		24.86 / 24.87 / 24.84		24.83 / 24.84 / 24.77		24.72 / 24.75 / 24.45
INVERT LEVEL	25.98		25.88 / 25.85		25.30 / 25.27		24.70 / 24.67		24.35 / 24.32		23.92 / 23.89
PIPE DISTANCE & PIPE CHAINAGE	0.00	10.62	10.62	41.10	51.72	40.79	92.51	31.33	123.83	30.67	154.51

LINE 26

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

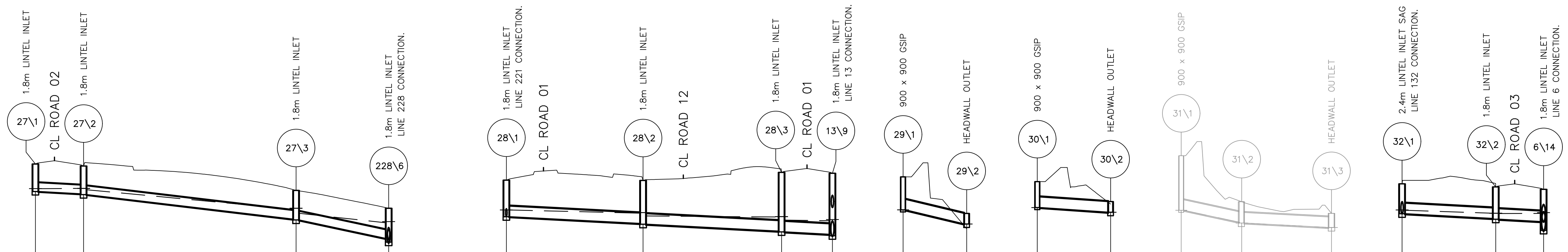
PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 16

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 436 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:20PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–436.DWG

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



LINE 27

	27\1		27\2		27\3		228\6
VELOCITY (m/s)		0.186		0.733		1.355	
PIPE FLOW (m3/s)		0.021		0.081		0.150	
PIPE SIZE (mm) & CLASS		375ø RCP 4		375ø RCP 3		375ø RCP 3	
GRADE %		1.00%		2.32%		4.03%	
DATUM R.L.	10						
DESIGN SURFACE LEVEL	25.95		25.86		24.83		24.07
DEPTH SURFACE TO INVERT	1.17		1.18 / 1.21		1.22 / 1.25		1.29 / 1.44
H.G.L. LEVELS	24.90 / 24.90		24.91 / 24.86		24.03 / 24.07 / 23.86		23.45 / 23.50 / 23.07
INVERT LEVEL	24.78		24.68 / 24.65		23.60 / 23.57		22.78 / 22.63
PIPE DISTANCE & PIPE CHAINAGE	0.00	10.23	10.23	45.11	55.34	19.66	75.00

LINE 28

	28\1		28\2		28\3		13\9
VELOCITY (m/s)		1.041		1.064		1.064	
PIPE FLOW (m3/s)		0.166		0.169		0.169	
PIPE SIZE (mm) & CLASS		450ø RCP 4		450ø RCP 4		450ø RCP 4	
GRADE %		1.00%		1.00%		1.00%	
DATUM R.L.	16						
DESIGN SURFACE LEVEL	31.26		31.25		31.59		31.55
DEPTH SURFACE TO INVERT	1.55		1.83 / 1.86		2.5 / 2.53		2.6 / 2.65
H.G.L. LEVELS	30.00		29.86 / 29.88 / 29.74		29.70 / 29.71 / 29.56		29.54 / 29.59 / 29.31
INVERT LEVEL	29.71		29.42 / 29.39		29.10 / 29.07		28.96 / 28.90
PIPE DISTANCE & PIPE CHAINAGE	0.00	29.03	29.03	29.41	58.44	10.80	69.24

LINE 29

	29\1		29\2
VELOCITY (m/s)		0.000	
PIPE FLOW (m3/s)		0.000	
PIPE SIZE (mm) & CLASS		450ø RCP 3	
GRADE %		4.44%	
DATUM R.L.	−5		
DESIGN SURFACE LEVEL	10.40		8.85
DEPTH SURFACE TO INVERT	1.4		0.45
H.G.L. LEVELS	9.00		8.40
INVERT LEVEL	9.00		8.40
PIPE DISTANCE & PIPE CHAINAGE	0.00	13.51	13.51

LINE 30

	30\1		30\2
VELOCITY (m/s)		0.000	
PIPE FLOW (m3/s)		0.000	
PIPE SIZE (mm) & CLASS		450ø RCP 3	
GRADE %		1.28%	
DATUM R.L.	−3		
DESIGN SURFACE LEVEL	12.20		11.35
DEPTH SURFACE TO INVERT	1.1		0.45
H.G.L. LEVELS	11.10		10.90
INVERT LEVEL	11.10		10.90
PIPE DISTANCE & PIPE CHAINAGE	0.00	15.57	15.57

LINE 31

	31\1		31\2		31\3
VELOCITY (m/s)		0.000		0.000	
PIPE FLOW (m3/s)		0.000		0.000	
PIPE SIZE (mm) & CLASS		450ø RCP 3		450ø RCP 3	
GRADE %		4.00%		1.00%	
DATUM R.L.	−12				
DESIGN SURFACE LEVEL	4.30		2.35		1.85
DEPTH SURFACE TO INVERT	2.32		0.88 / 0.91		0.6
H.G.L. LEVELS	1.98		1.47 / 1.44		1.25
INVERT LEVEL	1.98		1.47 / 1.44		1.25
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.84	12.84	19.07	31.90

LINE 32

	32\1		32\2		6\14
VELOCITY (m/s)		0.306		0.315	
PIPE FLOW (m3/s)		0.049		0.050	
PIPE SIZE (mm) & CLASS		450ø RCP 3		450ø RCP 4	
GRADE %		1.01%		1.00%	
DATUM R.L.	1				
DESIGN SURFACE LEVEL	16.11		15.97		15.87
DEPTH SURFACE TO INVERT	1.27		1.34 / 1.37		1.37 / 1.74
H.G.L. LEVELS	15.00 / 14.98		14.86 / 14.85		14.85 / 14.88 / 14.62
INVERT LEVEL	14.83		14.63 / 14.60		14.50 / 14.13
PIPE DISTANCE & PIPE CHAINAGE	0.00	19.89	19.89	10.15	30.04

NOT FOR CONSTRUCTION

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

adw johnson
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5 Pioneer Avenue,
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

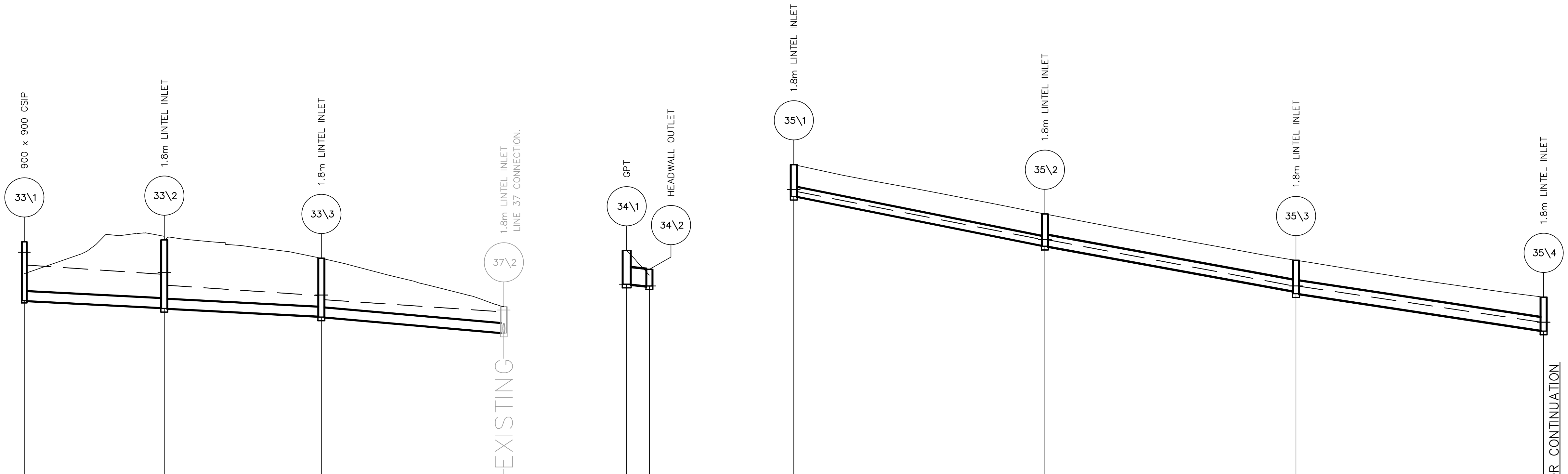
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 17

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 437 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-437.DWG

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



REFER SHEET 440 FOR CONTINUATION

LINE 33

	33\1		33\2		33\3		37\2 (EXISTING)
VELOCITY (m/s)		2.236		2.252		2.251	
PIPE FLOW (m3/s)		0.247		0.249		0.249	
PIPE SIZE (mm) & CLASS		375ø RCP 3		375ø RCP 3		375ø RCP 3	
GRADE %		1.00%		1.00%		1.71%	
DATUM R.L.	8						
DESIGN SURFACE LEVEL	24.00		24.07		23.33		21.36
DEPTH SURFACE TO INVERT	2.4		2.76 / 2.79		2.36 / 2.39		1.06 / 1.08
H.G.L. LEVELS	23.57 / 23.05		22.68 / 22.76 / 22.23		21.81 / 21.83 / 21.64		21.15 / 21.22 / 20.65
INVERT LEVEL	21.60		21.32 / 21.29		20.97 / 20.94		20.30 / 20.28
PIPE DISTANCE & PIPE CHAINAGE	0.00	28.49	28.49	31.95	60.44	37.14	97.58

LINE 34

	34\1		34\2
VELOCITY (m/s)		0.000	
PIPE FLOW (m3/s)		0.000	
PIPE SIZE (mm) & CLASS		675ø RCP 3	
GRADE %		1.58%	
DATUM R.L.	3		
DESIGN SURFACE LEVEL	18.64		17.88
DEPTH SURFACE TO INVERT	1.37		0.68
H.G.L. LEVELS	17.27		17.20
INVERT LEVEL	17.27		17.20
PIPE DISTANCE & PIPE CHAINAGE	0.00	4.62	4.62

LINE 35

	35\1		35\2		35\3		35\4
VELOCITY (m/s)		0.672		0.894		0.954	
PIPE FLOW (m3/s)		0.074		0.142		0.207	
PIPE SIZE (mm) & CLASS		375ø RCP 3		450ø RCP 3		525ø RCP 3	
GRADE %		3.91%		3.57%		2.96%	
DATUM R.L.	17						
DESIGN SURFACE LEVEL	36.14		34.13		32.25		30.75
DEPTH SURFACE TO INVERT	1.29		1.28 / 1.31		1.25 / 1.36		1.35 / 1.38
H.G.L. LEVELS	35.13 / 35.04		33.09 / 33.08		31.20 / 31.19		29.73 / 29.71
INVERT LEVEL	34.85		32.85 / 32.82		30.99 / 30.89		29.39 / 29.36
PIPE DISTANCE & PIPE CHAINAGE	0.00	51.11	51.11	51.10	102.21	50.39	152.60

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 18

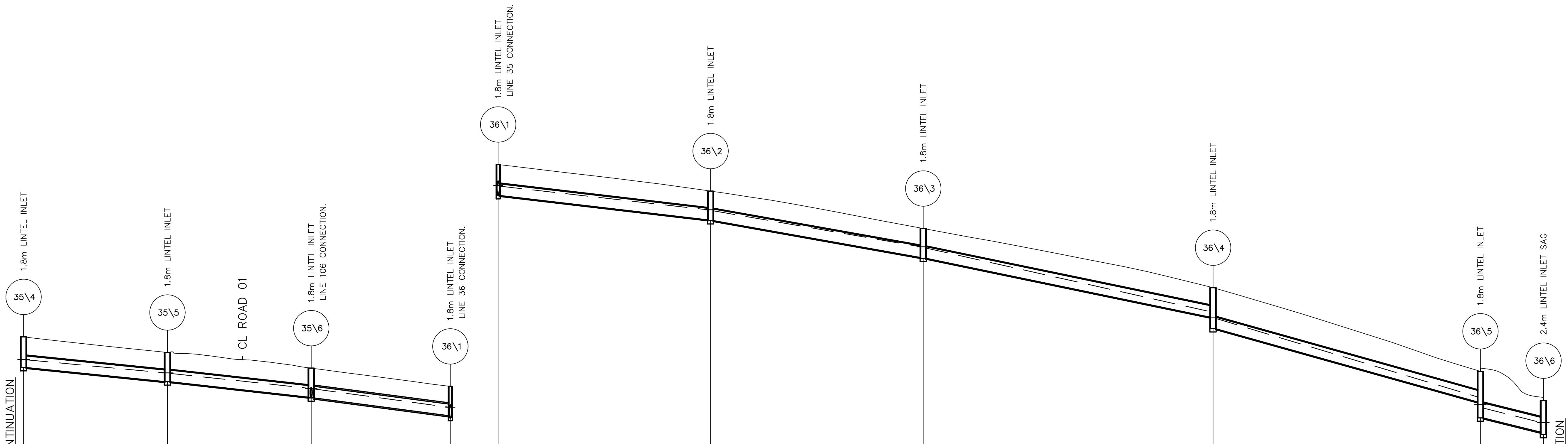
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 438 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:37PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–438.DWG

300362-CENG-439

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



REFER SHEET 439 FOR CONTINUATION

LINE 35 (CONTINUED)

	35\4 – 35\5	35\5 – 35\6	35\6 – 36\1
VELOCITY (m/s)	1.236	1.446	1.657
PIPE FLOW (m3/s)	0.267	0.313	0.359
PIPE SIZE (mm) & CLASS	525ø RCP 3	525ø RCP 3	525ø RCP 4
GRADE %	1.96%	2.15%	2.56%

DATUM R.L.	35\4	35\5	35\6	36\1
DESIGN SURFACE LEVEL	30.75	30.04	29.33	28.52
DEPTH SURFACE TO INVERT	1.35 / 1.38	1.31 / 1.32	1.31 / 1.34	1.32 / 1.4
H.G.L. LEVELS	29.73 / 29.71	29.12 / 29.10	28.43 / 28.40	27.58 / 27.54
INVERT LEVEL	29.39 / 29.36	28.73 / 28.72	28.02 / 28.00	27.19 / 27.12
PIPE CHAINAGE	152.60	185.00	217.38	248.71

PIPE DISTANCE	35\4 – 35\5	35\5 – 35\6	35\6 – 36\1
	32.40	32.38	31.33

LINE 36

	36\1 – 36\2	36\2 – 36\3	36\3 – 36\4	36\4 – 36\5	36\5 – 36\6
VELOCITY (m/s)	1.826	2.043	2.263	2.289	1.386
PIPE FLOW (m3/s)	0.395	0.442	0.490	0.495	0.496
PIPE SIZE (mm) & CLASS	525ø RCP 3	525ø RCP 3	525ø RCP 3	525ø RCP 3	675ø RCP 3
GRADE %	2.30%	3.48%	4.08%	5.50%	4.58%

DATUM R.L. 7

	36\1	36\2	36\3	36\4	36\5	36\6
DESIGN SURFACE LEVEL	28.52	27.32	25.63	22.96	19.19	17.87
DEPTH SURFACE TO INVERT	1.4	1.3 / 1.33	1.31 / 1.34	1.34 / 1.85	1.39 / 2.1	1.43 / 1.52
H.G.L. LEVELS	27.58 / 27.54	26.47 / 26.43	24.80 / 24.75	21.88 / 21.63 / 21.58	18.03 / 17.69 / 17.54	16.88 / 16.78
INVERT LEVEL	27.12	26.02 / 25.99	24.32 / 24.29	21.63 / 21.12	17.80 / 17.09	16.44 / 16.35
PIPE CHAINAGE	0.00	47.83	95.74	160.99	221.22	235.41

PIPE DISTANCE	36\1 – 36\2	36\2 – 36\3	36\3 – 36\4	36\4 – 36\5	36\5 – 36\6
	47.83	47.90	65.26	60.23	14.19

REFER SHEET 440 FOR CONTINUATION

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 19

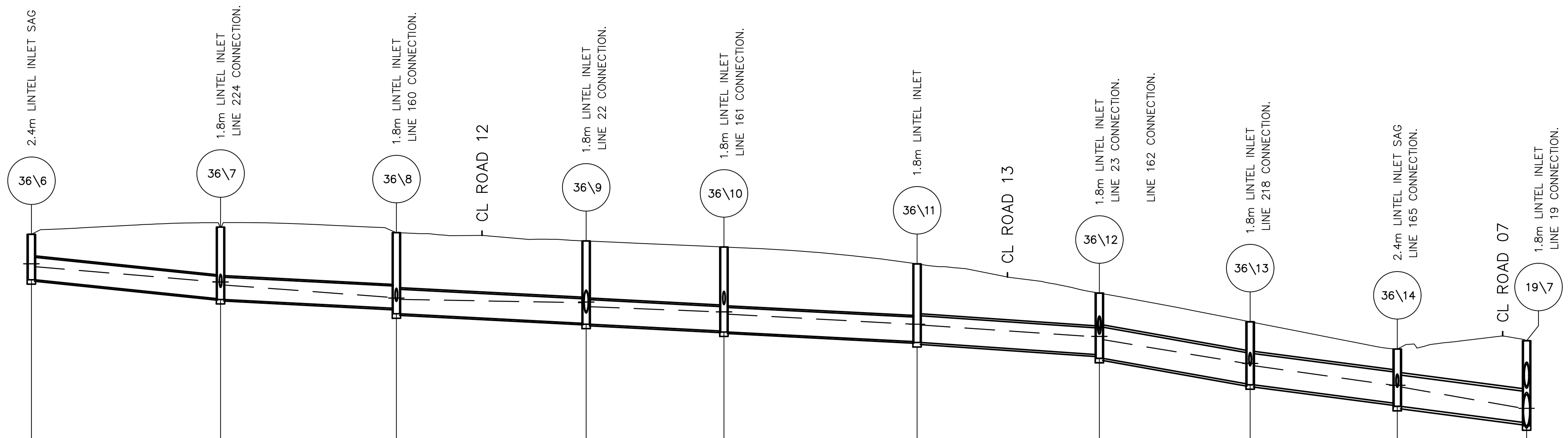
SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 439 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:45PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-439.DWG

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



REFER SHEET 439 FOR CONTINUATION

Pipe run	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
36\6 – 36\7	1.142	0.504	750ø RCP 3	2.00%	31.77
36\7 – 36\8	1.404	0.620	750ø RCP 3	1.00%	29.51
36\8 – 36\9	1.218	0.651	825ø RCP 3	1.00%	31.86
36\9 – 36\10	1.768	0.945	825ø RCP 3	1.00%	23.14
36\10 – 36\11	1.823	0.974	825ø RCP 3	1.00%	32.41
36\11 – 36\12	1.554	0.989	900ø RCP 3	1.33%	30.62
36\12 – 36\13	1.413	1.224	1050ø RCP 3	3.40%	25.31
36\13 – 36\14	1.491	1.291	1050ø RCP 3	2.50%	24.71
36\14 – 19\7	1.517	1.314	1050ø RCP 4	2.50%	21.70

DATUM R.L. −1

Pit	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE CHAINAGE
36\6	17.87	1.43 / 1.52	16.88 / 16.78	16.44 / 16.35	235.41
36\7	18.11	2.4 / 2.43	16.27 / 16.17	15.71 / 15.68	267.18
36\8	17.93	2.54 / 2.73	15.75 / 15.73 / 15.69	15.39 / 15.20	296.70
36\9	17.65	2.77 / 2.8	15.57 / 15.60 / 15.44	14.88 / 14.85	328.56
36\10	17.44	2.82 / 2.85	15.27 / 15.19	14.62 / 14.59	351.70
36\11	16.88	2.61 / 2.64	14.85 / 14.82	14.27 / 14.24	384.11
36\12	15.89	2.06 / 2.19	14.42 / 14.44 / 14.33	13.83 / 13.70	414.73
36\13	14.93	2.09 / 2.12	13.53 / 13.54 / 13.46	12.84 / 12.81	440.04
36\14	14.02	1.82 / 1.93	12.80 / 12.74	12.20 / 12.09	464.74
19\7	14.30	2.75 / 2.86	12.02 / 11.97	11.55 / 11.44	486.45

LINE 36 (CONTINUED)

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

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DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 20

SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

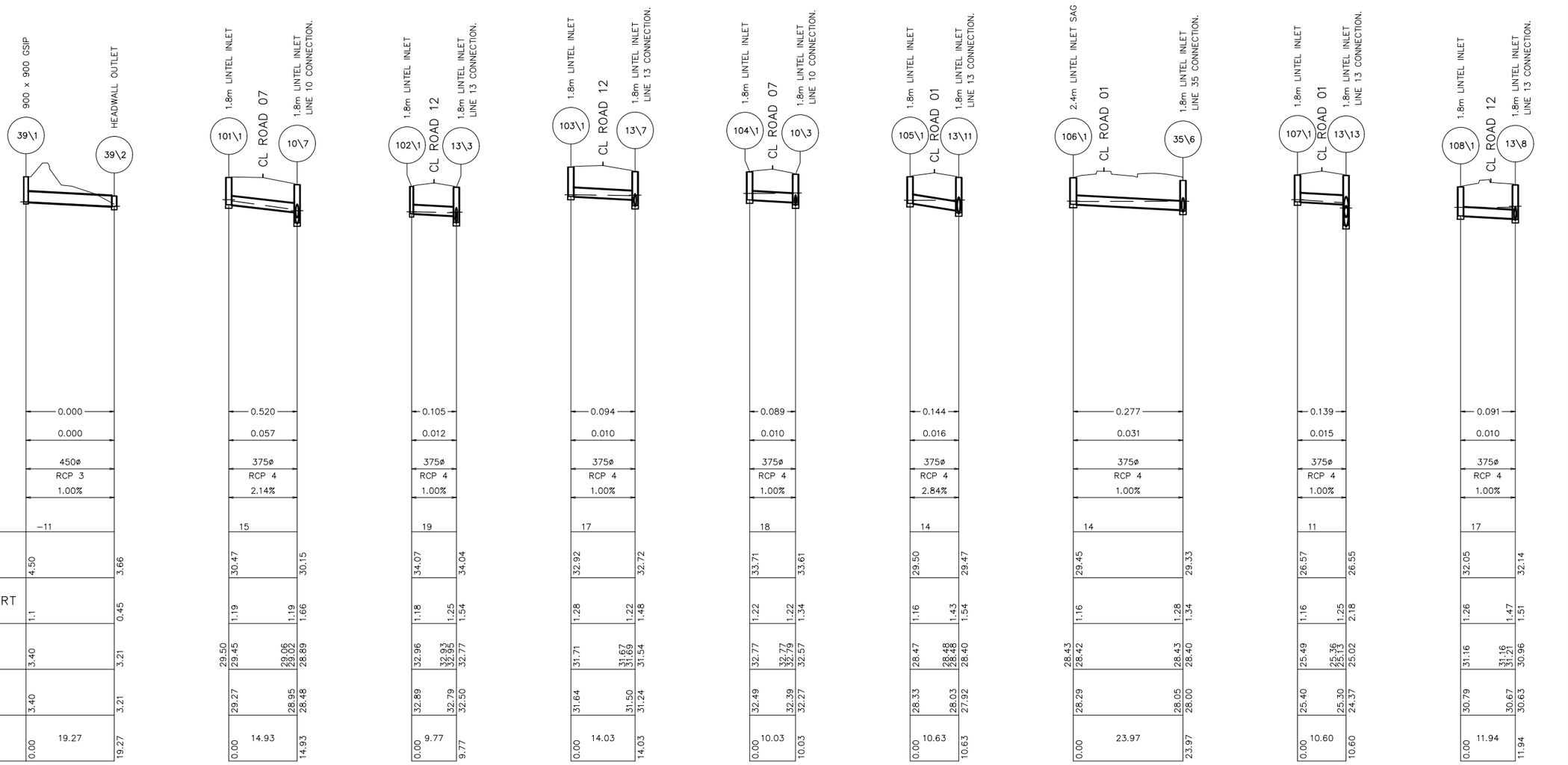
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 440 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:51:53PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-440.DWG

300362-CENG-441

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	LINE 39			LINE 101			LINE 102			LINE 103			LINE 104			LINE 105			LINE 106			LINE 107			LINE 108		
VELOCITY (m/s)	0.000			0.520			0.105			0.094			0.089			0.144			0.277			0.139			0.091		
PIPE FLOW (m3/s)	0.000			0.057			0.012			0.010			0.010			0.016			0.031			0.015			0.010		
PIPE SIZE (mm) & CLASS	450ø RCP 3			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4		
GRADE %	1.00%			2.14%			1.00%			1.00%			1.00%			2.84%			1.00%			1.00%			1.00%		
DATUM R.L.	-11			15			19			17			18			14			14			11			17		
DESIGN SURFACE LEVEL	4.50		3.66	30.47		30.15	34.07		34.04	32.92		32.72	33.71		33.61	29.50		29.47	29.45		29.33	26.57		26.55	32.05		32.14
DEPTH SURFACE TO INVERT	1.1		0.45	1.19		1.66	1.18		1.54	1.28		1.48	1.22		1.34	1.16		1.54	1.16		1.34	1.16		2.18	1.26		1.51
H.G.L. LEVELS	3.40		3.21	29.50 29.45		29.06 29.02	32.96	32.93 32.95	32.77	31.71	31.67 31.69	31.54	32.77	32.76 32.76	32.57	28.47	28.48 28.48	28.40	28.43 28.42		28.43	25.49	25.36 25.13	25.02	31.16	31.16 31.21	30.96
INVERT LEVEL	3.40		3.21	29.27		28.95 28.48	32.89	32.79	32.50	31.64	31.50	31.24	32.49	32.39	32.27	28.33	28.03	27.92	28.29	28.05	28.00	25.40	25.30	24.37	30.79	30.67	30.63
PIPE DISTANCE & PIPE CHAINAGE	0.00	19.27	19.27	0.00	14.93	14.93	0.00	9.77	9.77	0.00	14.03	14.03	0.00	10.03	10.03	0.00	10.63	10.63	0.00	23.97	23.97	0.00	10.60	10.60	0.00	11.94	11.94

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 21

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 441 REV. E

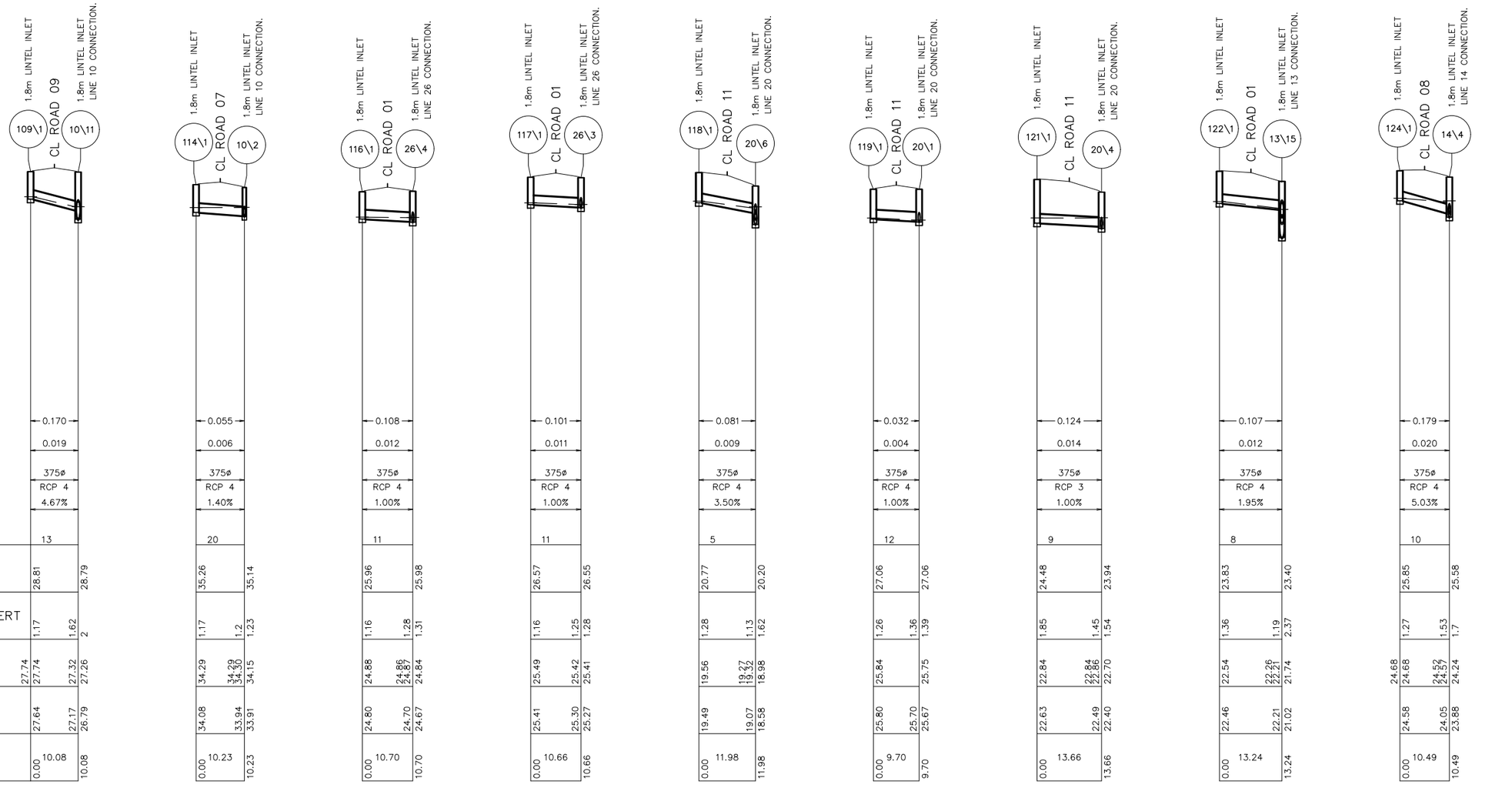
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:01PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-441.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-442

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	LINE 109			LINE 114			LINE 116			LINE 117			LINE 118			LINE 119			LINE 121			LINE 122			LINE 124		
VELOCITY (m/s)	0.170			0.055			0.108			0.101			0.081			0.032			0.124			0.107			0.179		
PIPE FLOW (m3/s)	0.019			0.006			0.012			0.011			0.009			0.004			0.014			0.012			0.020		
PIPE SIZE (mm) & CLASS	375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 4			375ø RCP 3			375ø RCP 4			375ø RCP 4		
GRADE %	4.67%			1.40%			1.00%			1.00%			3.50%			1.00%			1.00%			1.95%			5.03%		
DATUM R.L.	13			20			11			11			5			12			9			8			10		
DESIGN SURFACE LEVEL	28.81		28.79	35.26		35.14	25.96		25.98	26.57		26.55	20.77		20.20	27.06		27.06	24.48		23.94	23.83		23.40	25.85		25.58
DEPTH SURFACE TO INVERT	1.17	1.62	2	1.17	1.2	1.23	1.16	1.28	1.31	1.16	1.25	1.28	1.28	1.13	1.62	1.26	1.36	1.39	1.85	1.45	1.54	1.36	1.19	2.37	1.27	1.53	1.7
H.G.L. LEVELS	27.74	27.74	27.32	27.26	34.29	34.30	34.15	24.88	24.86	24.84	25.49	25.42	25.41	19.56	19.27	19.32	18.98	25.84	25.80	25.75	22.84	22.86	22.70	22.54	22.26	22.21	21.74	24.68	24.68	24.57	24.24
INVERT LEVEL	27.64		27.17	26.79	34.08		33.94	33.91	24.80		24.70	24.67	25.41		25.30	25.27	19.49		19.07	18.58	25.80	25.70	25.67	22.63	22.49	22.40	22.46	22.21	21.02	24.58	24.05	23.88
PIPE DISTANCE & PIPE CHAINAGE	0.00	10.08	10.08	0.00	10.23	10.23	0.00	10.70	10.70	0.00	10.66	10.66	0.00	11.98	11.98	0.00	9.70	9.70	0.00	13.66	13.66	0.00	13.24	13.24	0.00	10.49	10.49						

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 22

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 442 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:09PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-442.DWG

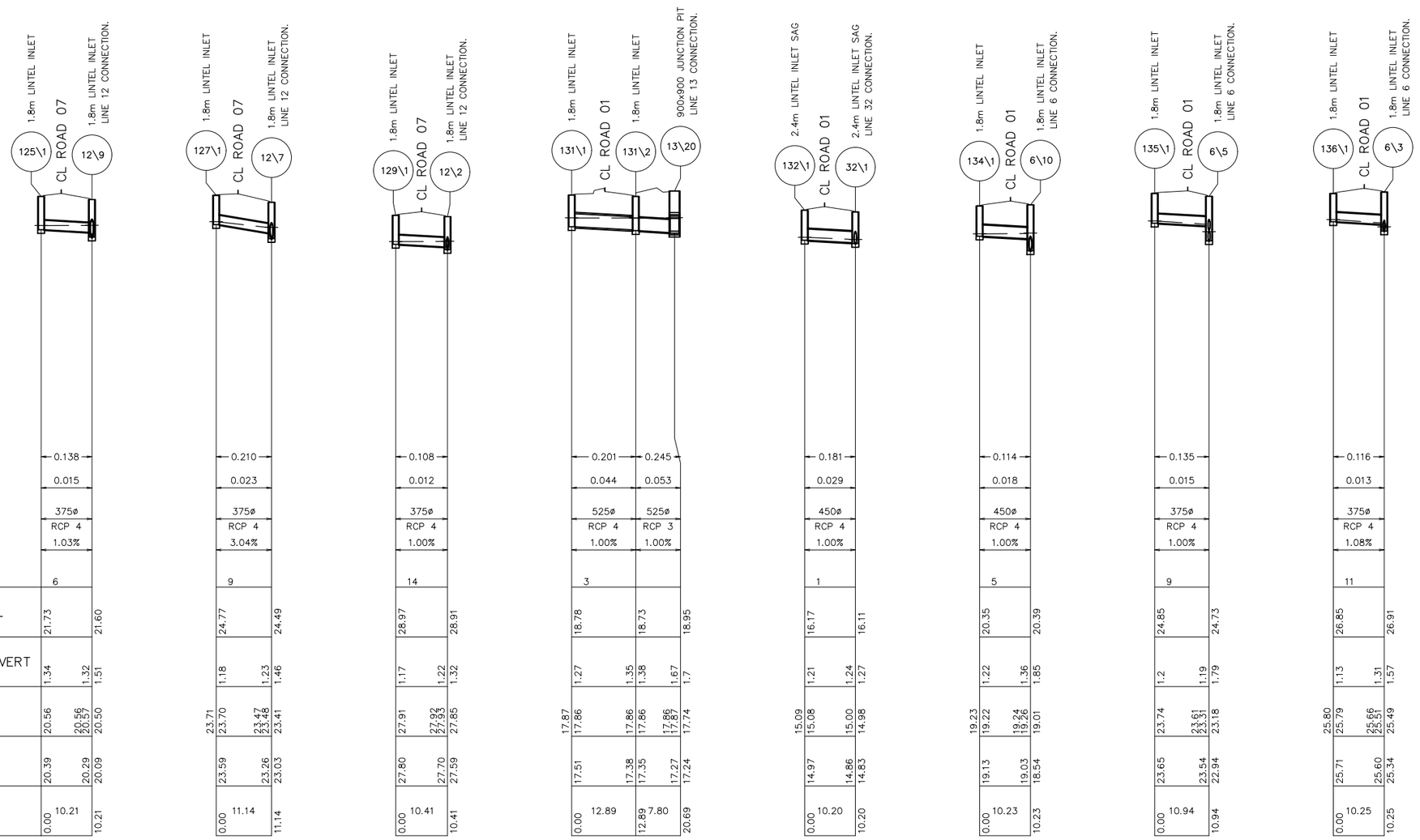
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-443

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	LINE 125		LINE 127		LINE 129		LINE 131		LINE 132		LINE 134		LINE 135		LINE 136	
VELOCITY (m/s)	0.138		0.210		0.108		0.201	0.245	0.181		0.114		0.135		0.116	
PIPE FLOW (m3/s)	0.015		0.023		0.012		0.044	0.053	0.029		0.018		0.015		0.013	
PIPE SIZE (mm) & CLASS	375ø RCP 4		375ø RCP 4		375ø RCP 4		525ø RCP 4	525ø RCP 3	450ø RCP 4		450ø RCP 4		375ø RCP 4		375ø RCP 4	
GRADE %	1.03%		3.04%		1.00%		1.00%	1.00%	1.00%		1.00%		1.00%		1.08%	
DATUM R.L.	6		9		14		3		1		5		9		11	
DESIGN SURFACE LEVEL	21.73	21.60	24.77	24.49	28.97	28.91	18.78	18.73	16.17	16.11	20.35	20.39	24.85	24.73	26.85	26.91
DEPTH SURFACE TO INVERT	1.34	1.32 1.51	1.18	1.23 1.46	1.17	1.22 1.32	1.27	1.35 1.38 1.67 1.7	1.21	1.24 1.27	1.22	1.36 1.85	1.2	1.19 1.79	1.13	1.31 1.57
H.G.L. LEVELS	20.56	20.56 20.57 20.50	23.71 23.70	23.47 23.48 23.41	27.91	27.92 27.93 27.85	17.87 17.86	17.86 17.86 17.86 17.87 17.74	15.09 15.08	15.00 14.98	19.23 19.22	19.24 19.26 19.01	23.74	23.61 23.31 23.18	25.80 25.79	25.66 25.51 25.49
INVERT LEVEL	20.39	20.29 20.09	23.59	23.26 23.03	27.80	27.70 27.59	17.51	17.38 17.35 17.27 17.24	14.97	14.86 14.83	19.13	19.03 18.54	23.65	23.54 22.94	25.71	25.60 25.34
PIPE DISTANCE & PIPE CHAINAGE	0.00 10.21	10.21	0.00 11.14	11.14	0.00 10.41	10.41	0.00 12.89	12.89 7.80 20.69	0.00 10.20	10.20	0.00 10.23	10.23	0.00 10.94	10.94	0.00 10.25	10.25

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 23

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 443 | REV. E

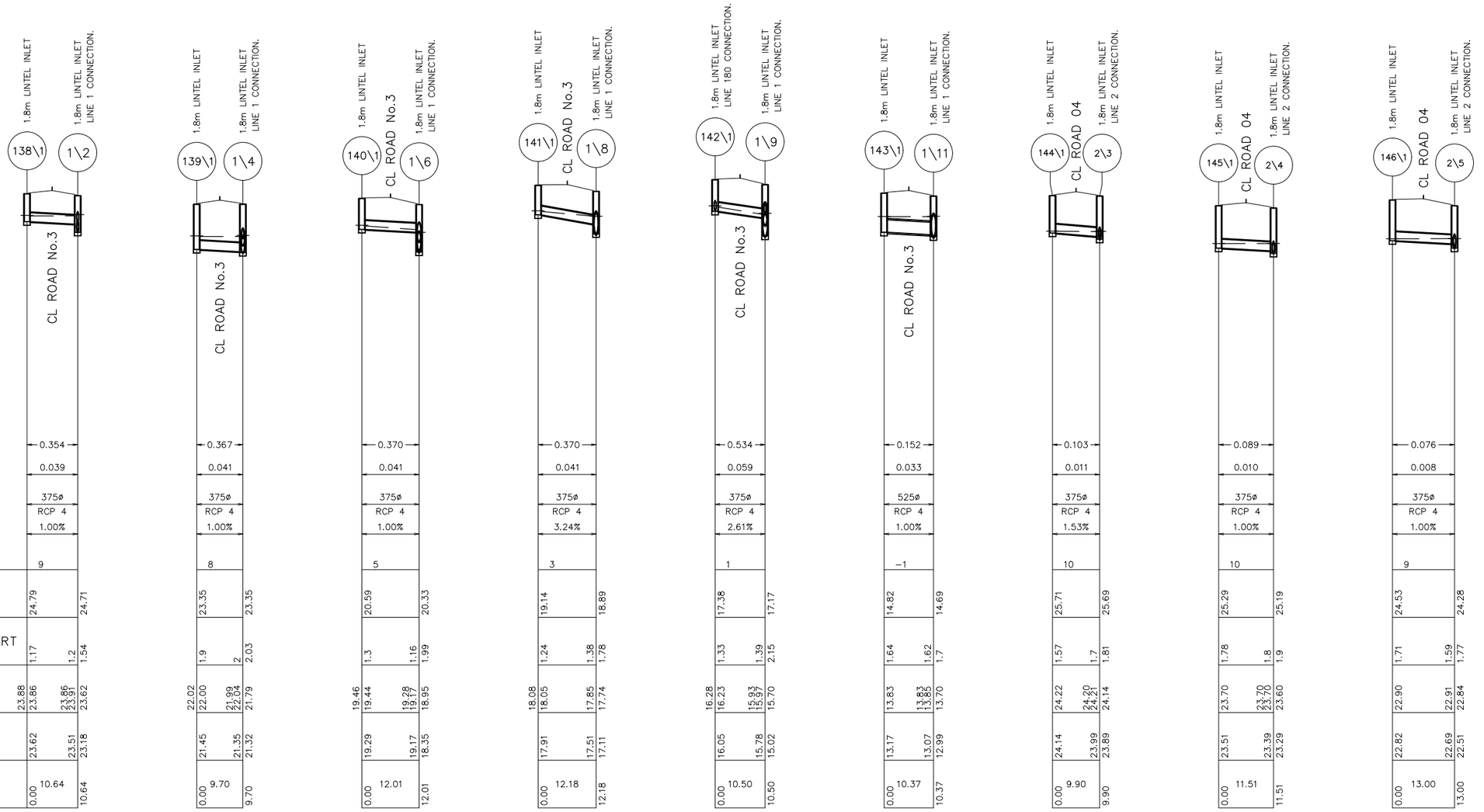
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:17PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-443.DWG

100mm AT FULL SIZE
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300362-CENG-444

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
5 Pioneer Avenue,
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 24

PROJECT No. 300362 − DISCIPLINE CENG − NUMBER 444 REV. E

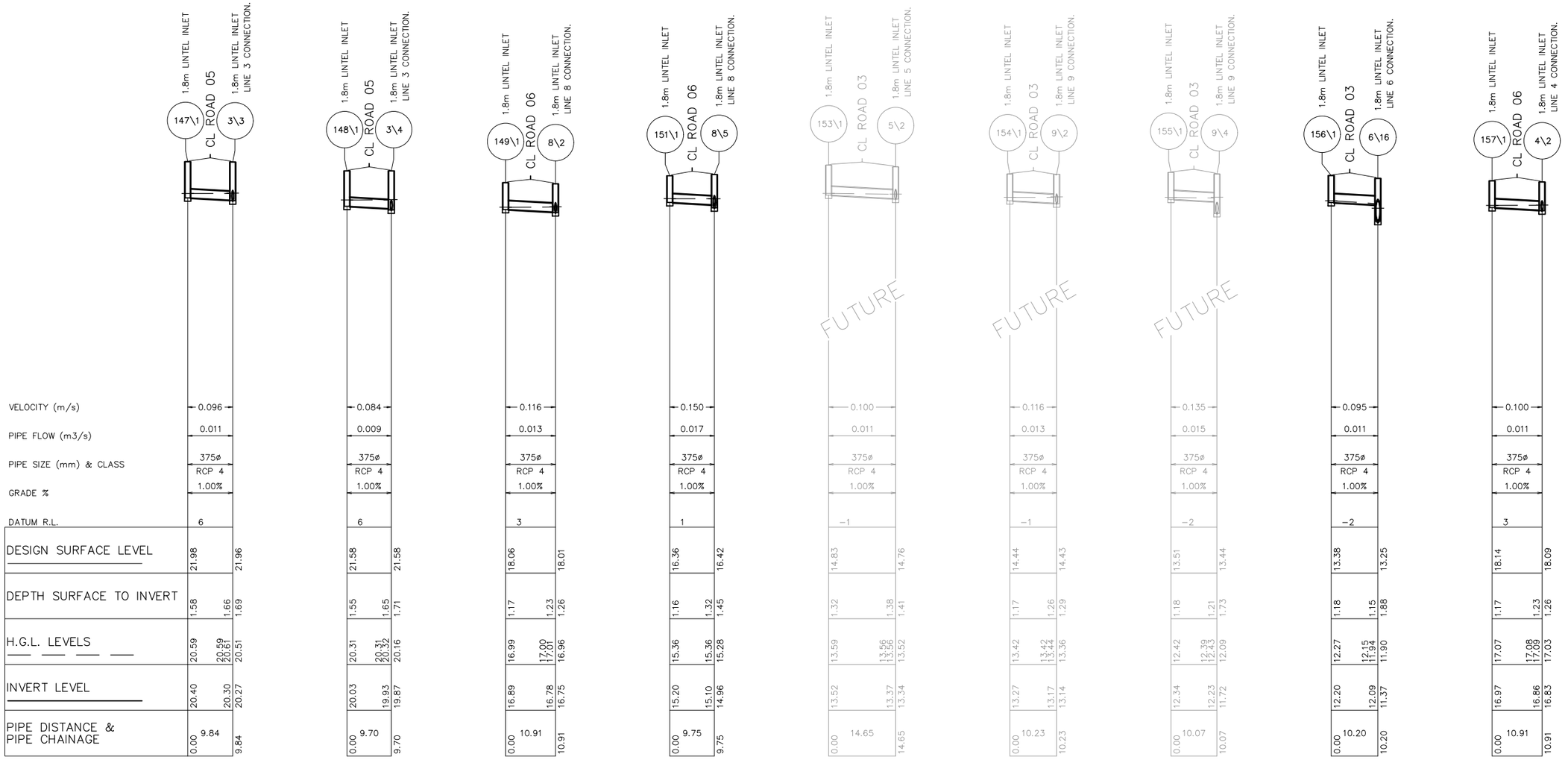
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:25PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362−CENG−444.DWG

100mm AT FULL SIZE
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300362-CENG-445

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 25

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 445 REV. E

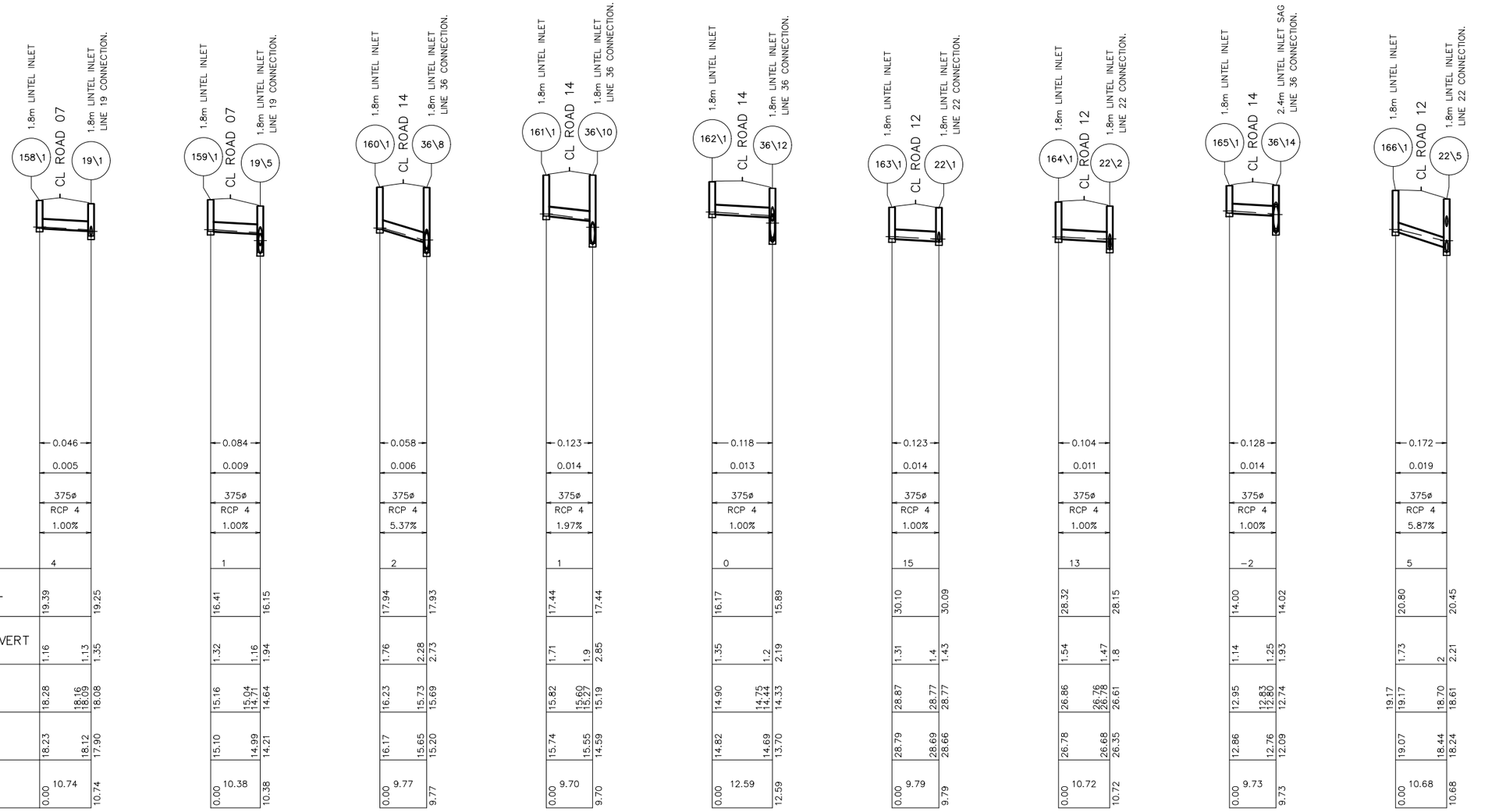
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-445.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-446

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	LINE 158	LINE 159	LINE 160	LINE 161	LINE 162	LINE 163	LINE 164	LINE 165	LINE 166
VELOCITY (m/s)	0.046	0.084	0.058	0.123	0.118	0.123	0.104	0.128	0.172
PIPE FLOW (m3/s)	0.005	0.009	0.006	0.014	0.013	0.014	0.011	0.014	0.019
PIPE SIZE (mm) & CLASS	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4
GRADE %	1.00%	1.00%	5.37%	1.97%	1.00%	1.00%	1.00%	1.00%	5.87%
DATUM R.L.	4	1	2	1	0	15	13	−2	5
DESIGN SURFACE LEVEL	19.39 — 19.25	16.41 — 16.15	17.94 — 17.93	17.44 — 17.44	16.17 — 15.89	30.10 — 30.09	28.32 — 28.15	14.00 — 14.02	20.80 — 20.45
DEPTH SURFACE TO INVERT	1.16 — 1.13 — 1.35	1.32 — 1.16 — 1.94	1.76 — 2.28 — 2.73	1.71 — 1.9 — 2.85	1.35 — 1.2 — 2.19	1.31 — 1.4 — 1.43	1.54 — 1.47 — 1.8	1.14 — 1.25 — 1.93	1.73 — 2 — 2.21
H.G.L. LEVELS	18.28 — 18.16 — 18.09 — 18.08	15.16 — 15.04 — 14.71 — 14.64	16.23 — 15.73 — 15.69	15.82 — 15.60 — 15.27 — 15.19	14.90 — 14.75 — 14.44 — 14.33	28.87 — 28.77 — 28.77	26.86 — 26.76 — 26.78 — 26.61	12.95 — 12.83 — 12.80 — 12.74	19.17 — 19.17 — 18.70 — 18.61
INVERT LEVEL	18.23 — 18.12 — 17.90	15.10 — 14.99 — 14.21	16.17 — 15.65 — 15.20	15.74 — 15.55 — 14.59	14.82 — 14.69 — 13.70	28.79 — 28.69 — 28.66	26.78 — 26.68 — 26.35	12.86 — 12.76 — 12.09	19.07 — 18.44 — 18.24
PIPE DISTANCE & PIPE CHAINAGE	0.00 — 10.74 — 10.74	0.00 — 10.38 — 10.38	0.00 — 9.77 — 9.77	0.00 — 9.70 — 9.70	0.00 — 12.59 — 12.59	0.00 — 9.79 — 9.79	0.00 — 10.72 — 10.72	0.00 — 9.73 — 9.73	0.00 — 10.68 — 10.68

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000; A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804, HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 26

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 446 REV. E

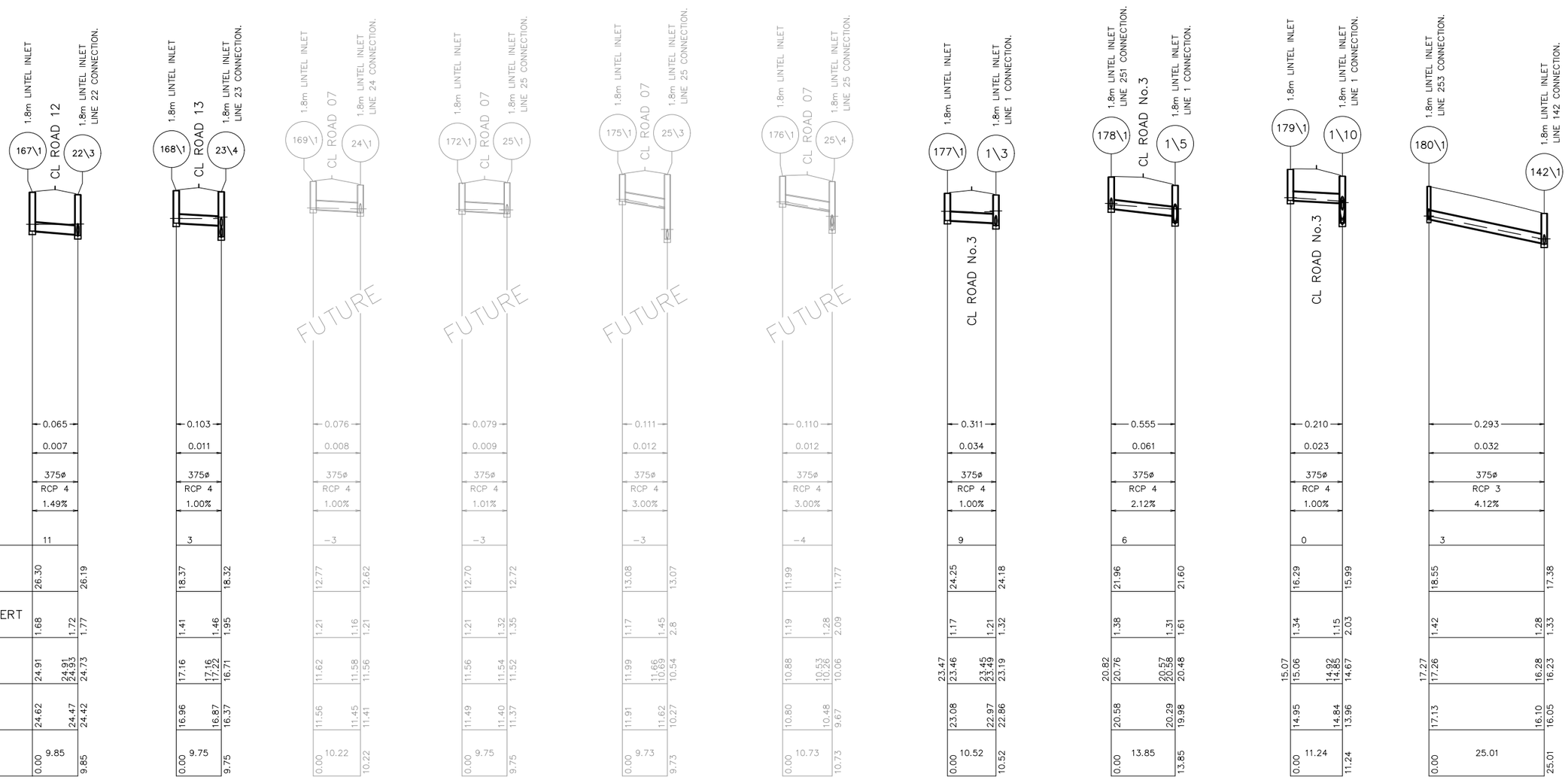
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:42PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-446.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-447

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	LINE 167	LINE 168	LINE 169	LINE 172	LINE 175	LINE 176	LINE 177	LINE 178	LINE 179	LINE 180
VELOCITY (m/s)	0.065	0.103	0.076	0.079	0.111	0.110	0.311	0.555	0.210	0.293
PIPE FLOW (m3/s)	0.007	0.011	0.008	0.009	0.012	0.012	0.034	0.061	0.023	0.032
PIPE SIZE (mm) & CLASS	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 4	375ø RCP 3
GRADE %	1.49%	1.00%	1.00%	1.01%	3.00%	3.00%	1.00%	2.12%	1.00%	4.12%
DATUM R.L.	11	3	−3	−3	−3	−4	9	6	0	3
DESIGN SURFACE LEVEL	26.30 / 26.19	18.37 / 18.32	12.77 / 12.62	12.70 / 12.72	13.08 / 13.07	11.99 / 11.77	24.25 / 24.18	21.96 / 21.60	16.29 / 15.99	18.55 / 17.38
DEPTH SURFACE TO INVERT	1.68 / 1.72 / 1.77	1.41 / 1.46 / 1.95	1.21 / 1.16 / 1.21	1.21 / 1.32 / 1.35	1.17 / 1.45 / 2.8	1.19 / 1.28 / 2.09	1.17 / 1.21 / 1.32	1.38 / 1.31 / 1.61	1.34 / 1.15 / 2.03	1.42 / 1.28 / 1.33
H.G.L. LEVELS	24.91 / 24.91 / 24.93 / 24.73	17.16 / 17.16 / 17.22 / 16.71	11.62 / 11.58 / 11.56	11.56 / 11.54 / 11.52	11.99 / 11.66 / 10.69 / 10.54	10.88 / 10.53 / 10.26 / 10.06	23.47 / 23.46 / 23.45 / 23.49 / 23.19	20.82 / 20.76 / 20.57 / 20.58 / 20.48	15.07 / 15.06 / 14.92 / 14.85 / 14.67	17.27 / 17.26 / 16.28 / 16.23
INVERT LEVEL	24.62 / 24.47 / 24.42	16.96 / 16.87 / 16.37	11.56 / 11.45 / 11.41	11.49 / 11.40 / 11.37	11.91 / 11.62 / 10.27	10.80 / 10.48 / 9.67	23.08 / 22.97 / 22.86	20.58 / 20.29 / 19.98	14.95 / 14.84 / 13.96	17.13 / 16.10 / 16.05
PIPE DISTANCE & PIPE CHAINAGE	0.00 / 9.85 / 9.85	0.00 / 9.75 / 9.75	0.00 / 10.22 / 10.22	0.00 / 9.75 / 9.75	0.00 / 9.73 / 9.73	0.00 / 10.73 / 10.73	0.00 / 10.52 / 10.52	0.00 / 13.85 / 13.85	0.00 / 11.24 / 11.24	0.00 / 25.01 / 25.01

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 27

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 447 – REV. E

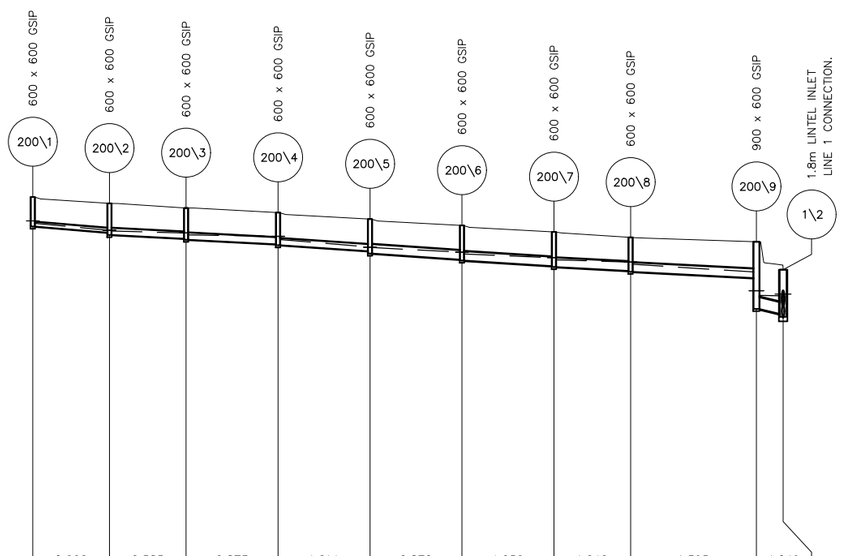
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:50PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-447.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-448

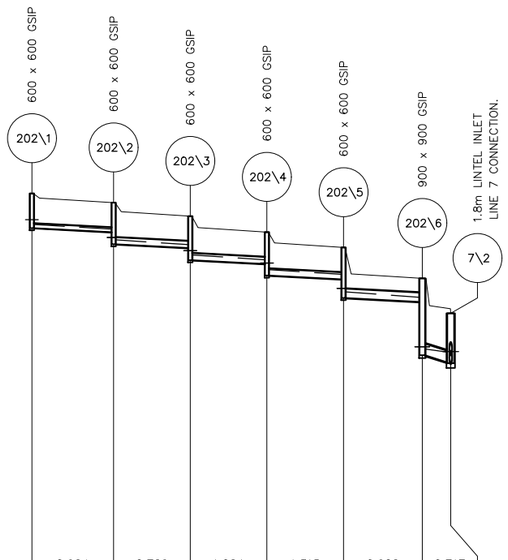
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.662	0.585	0.873	1.214	0.870	1.056	1.242	1.395	1.049	
PIPE FLOW (m3/s)		0.012	0.023	0.035	0.048	0.061	0.075	0.088	0.099	0.116	
PIPE SIZE (mm) & CLASS		150ø	225ø	225ø	225ø	300ø	300ø	300ø	300ø	375ø	
		PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	RCP 3	
GRADE %		1.60%	1.00%	1.00%	1.30%	1.34%	1.20%	1.00%	1.00%	3.73%	
DATUM R.L.		10									
DESIGN SURFACE LEVEL		27.08	26.87	26.72	26.57	26.36	26.15	25.94	25.76	25.62	24.71
DEPTH SURFACE TO INVERT		0.96	0.95	1.03 1	1.03 1.03	1.06 1.05	1.12 1.11	1.14 1.11	1.09 1.12	1.18 2.19	1.44 1.54
H.G.L. LEVELS	26.30	26.22	26.00	25.97 25.91	25.85 25.80	25.69 25.46 25.44	25.43 25.28	25.22 25.10	25.03 24.96	24.89 24.64 24.63	23.87 23.86 23.81 23.62
INVERT LEVEL		26.12	25.92	25.85 25.72	25.69 25.54	25.51 25.32	25.24 25.04	25.01 24.83	24.80 24.68	24.65 24.44	23.44 23.27 23.18
PIPE DISTANCE & PIPE CHAINAGE		0.00	12.50	12.50 12.50	25.00 15.00	40.00 15.00	55.00 15.00	70.00 15.00	85.00 12.50	97.50 20.52	118.02 4.35 122.38

LINE 200



		0.924	0.729	1.024	1.315	0.902	0.717		
		0.016	0.029	0.041	0.052	0.064	0.079		
		150ø	225ø	225ø	225ø	300ø	375ø		
		PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	PVC-U SN8	RCP 3		
		1.00%	1.00%	1.00%	1.00%	1.00%	5.00%		
		9							
		26.33	26.03	25.59	25.07	24.57	23.56		22.42
		1.13	0.96	1.35 1.04	1.43 1.04	1.41 1.04	1.65 0.77	2.51 1.6	1.63
	25.47	25.32	25.17 24.89	24.82 24.66 24.46	24.32 24.16 24.06	23.84 23.68 23.23	23.12 22.94 22.33	21.26 21.16 21.17	21.03
		25.20	25.07	24.67 24.55	24.15 24.03	23.65 23.53	22.92 22.79	21.05 20.82	20.79
		0.00	13.33	13.33 12.50	25.83 12.50	38.33 12.50	50.83 12.85	63.68 4.63	68.31

LINE 202

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 28

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 448 REV. E

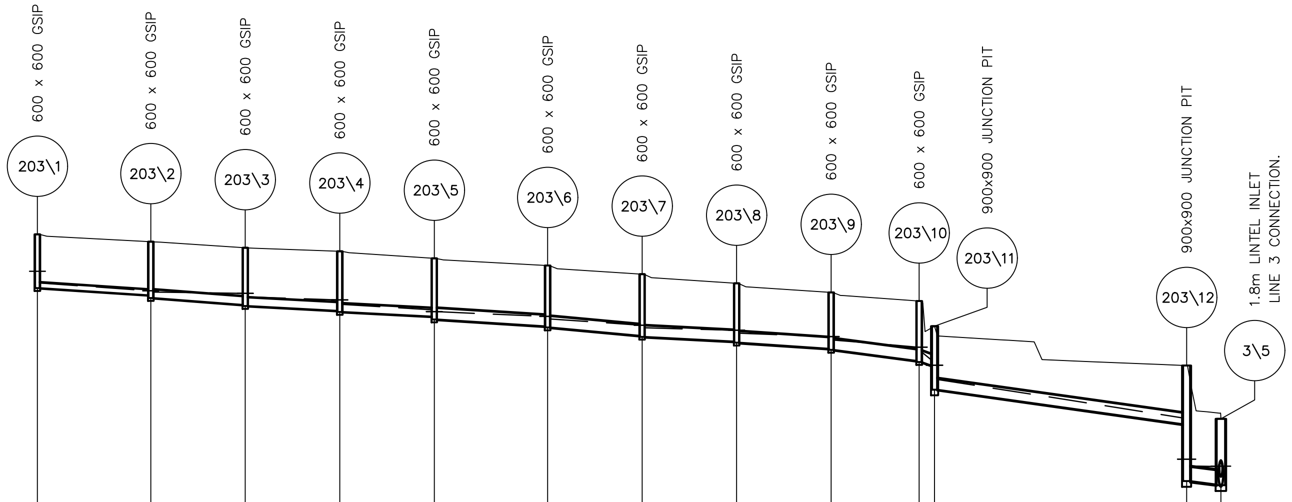
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:52:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-448.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-449

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



Pipe	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %
203\1 – 203\2	1.277	0.023	150ø PVC-U SN8	1.25%
203\2 – 203\3	0.919	0.037	225ø PVC-U SN8	1.45%
203\3 – 203\4	1.204	0.048	225ø PVC-U SN8	1.00%
203\4 – 203\5	1.486	0.059	225ø PVC-U SN8	1.00%
203\5 – 203\6	0.993	0.070	300ø PVC-U SN8	1.21%
203\6 – 203\7	1.179	0.083	300ø PVC-U SN8	1.75%
203\7 – 203\8	1.332	0.094	300ø PVC-U SN8	1.00%
203\8 – 203\9	1.485	0.105	300ø PVC-U SN8	1.28%
203\9 – 203\10	1.636	0.116	300ø uPVC-SN8	2.50%
203\10 – 203\11	1.831	0.129	300ø PVC-U SN8	5.00%
203\11 – 203\12	1.829	0.129	300ø PVC-U SN8	2.75%
203\12 – 3\5	1.151	0.127	375ø RCP 3	2.00%

DATUM R.L. 8

Pipe	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE DISTANCE & PIPE CHAINAGE
203\1 – 203\2	26.01	1.42 / 1.42	25.03, 24.72 / 24.52	24.59 / 24.40	0.00, 15.00
203\2 – 203\3	25.81	1.49 / 1.51	24.48 / 24.45	24.32 / 24.14	15.00, 12.50
203\3 – 203\4	25.65	1.54 / 1.58	24.35 / 24.28	24.11 / 23.99	27.50, 12.50
203\4 – 203\5	25.56	1.61 / 1.54	24.16 / 24.01	23.96 / 23.83	40.00, 12.50
203\5 – 203\6	25.37	1.62 / 1.61	23.96 / 23.84	23.76 / 23.58	52.50, 15.00
203\6 – 203\7	25.18	1.64 / 1.63	23.77 / 23.61	23.55 / 23.33	67.50, 12.50
203\7 – 203\8	24.95	1.66 / 1.54	23.54 / 23.47	23.30 / 23.17	80.00, 12.50
203\8 – 203\9	24.71	1.57 / 1.49	23.39 / 23.30	23.14 / 22.98	92.50, 12.50
203\9 – 203\10	24.47	1.52 / 1.58	23.21 / 23.03	22.95 / 22.66	105.00, 11.65
203\10 – 203\11	24.24	1.61 / 1.05	22.90 / 22.67, 22.54	22.63 / 22.53	116.65, 2.03
203\11 – 203\12	23.58	1.68 / 1.55	22.17 / 21.15, 20.06	21.90 / 20.98	118.68, 33.34
203\12 – 3\5	22.54	3.06 / 1.74	19.88 / 19.87, 19.88	19.48 / 19.39	152.02, 4.53
3\5	21.13	1.76	19.73	19.37	156.56

LINE 203

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m); A1 1:100 / A3 1:200 (0, 2.5, 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 29

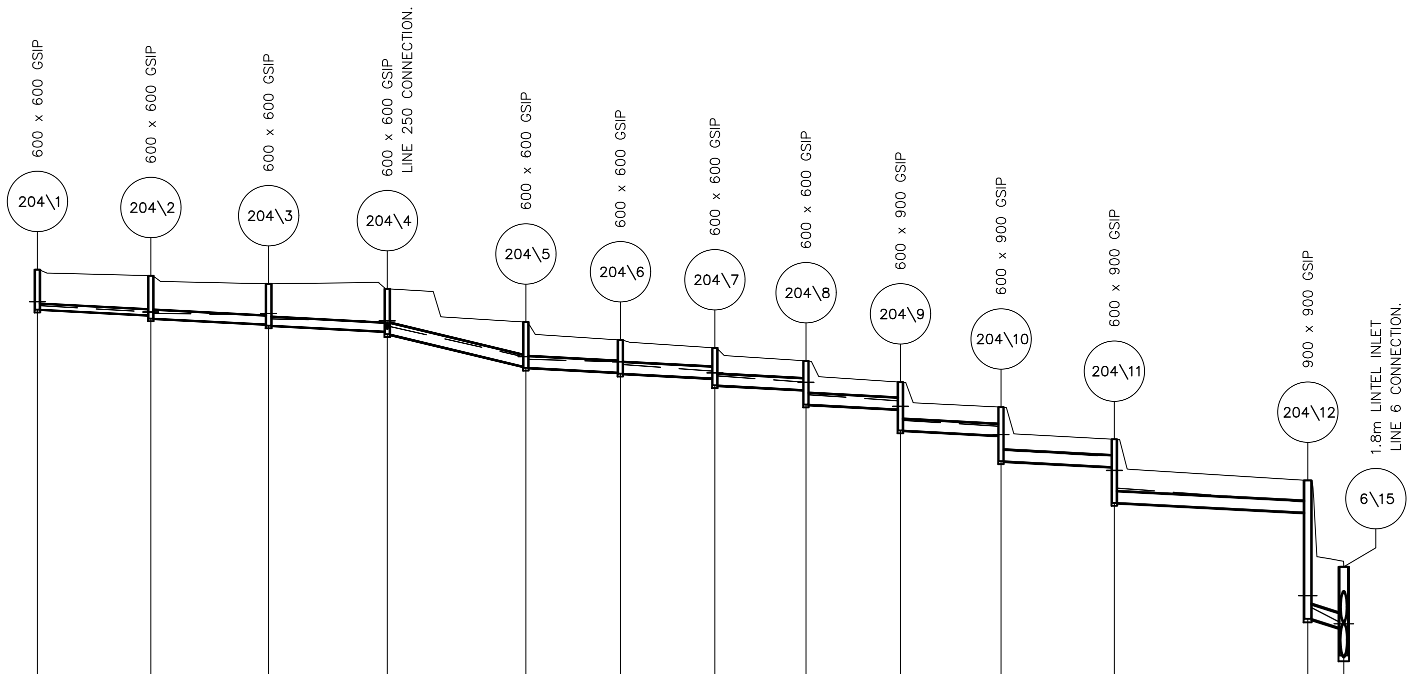
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362	CENG	449	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:07PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-449.DWG

300362-CENG-450

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



	204\1–204\2	204\2–204\3	204\3–204\4	204\4–204\5	204\5–204\6	204\6–204\7	204\7–204\8	204\8–204\9	204\9–204\10	204\10–204\11	204\11–204\12	204\12–6\15	6\15
VELOCITY (m/s)	0.745	0.661	1.104	1.024	1.181	1.340	1.497	1.653	1.808	1.971	2.153	1.544	
PIPE FLOW (m3/s)	0.013	0.026	0.044	0.072	0.083	0.095	0.106	0.117	0.128	0.139	0.152	0.171	
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3	
GRADE %	1.00%	1.00%	1.00%	4.66%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	5.00%	
DATUM R.L.	2												
DESIGN SURFACE LEVEL	22.16	22.00	21.79	21.66	20.78	20.30	20.09	19.75	19.19	18.53	17.68	16.59	14.31
DEPTH SURFACE TO INVERT	1.06 / 1.05	1.13 / 1.07	1.1 / 1.13	1.2 / 1.18	1.21 / 0.86	0.89 / 0.81	0.99 / 0.77	1.16 / 0.72	1.28 / 0.75	1.43 / 0.73	1.68 / 0.85	3.66 / 1.61	2.35
H.G.L. LEVELS	21.31, 21.21 / 21.04	21.01 / 20.97, 21.00	20.86 / 20.80, 20.81	20.66 / 19.86	19.79 / 19.72	19.65 / 19.48, 19.44	19.35 / 19.18	18.86 / 18.69, 18.55	18.18 / 18.02, 17.80	17.39 / 17.22, 16.86	16.39 / 16.02, 13.54	13.23 / 12.84, 12.80	12.50
INVERT LEVEL	21.11 / 20.96	20.87 / 20.71	20.68 / 20.53	20.45 / 19.60	19.57 / 19.44	19.41 / 19.29	19.10 / 18.98	18.59 / 18.47	17.91 / 17.78	17.09 / 16.94	16.00 / 15.74	12.93 / 12.69	11.96
PIPE DISTANCE & PIPE CHAINAGE	0.00 / 15.00	15.00 / 15.57	30.57 / 15.71	46.28 / 18.34	64.62 / 12.50	77.12 / 12.50	89.62 / 12.05	101.67 / 12.50	114.17 / 13.30	127.47 / 15.00	142.47 / 25.58	168.05 / 4.76	172.82

LINE 204

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 30

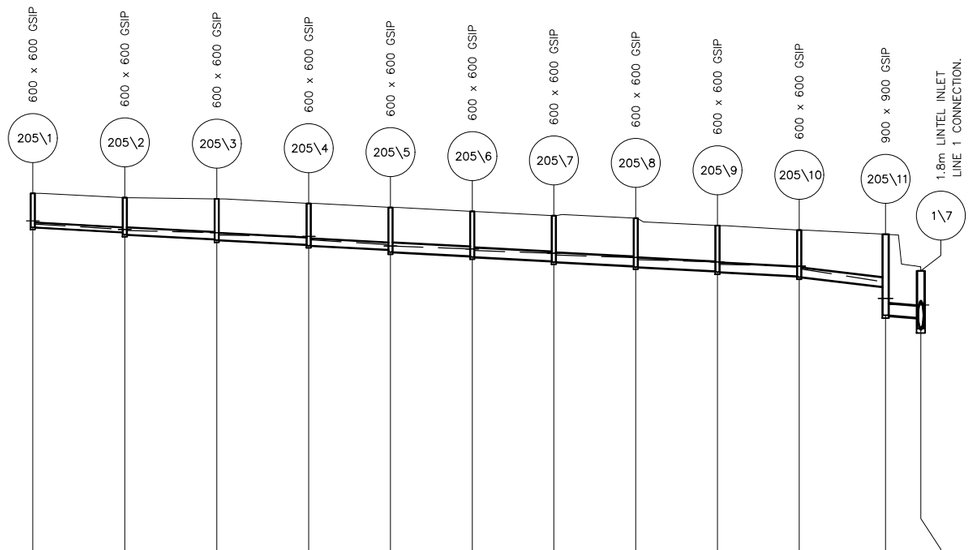
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362 –	CENG –	450	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-450.DWG

300362-CENG-451

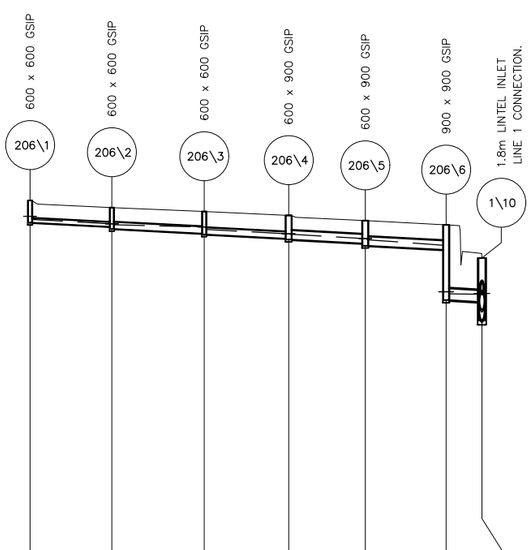
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.745	0.658	0.980	1.298	0.888	1.044	1.193	1.346	1.497	1.647	1.192
PIPE FLOW (m3/s)		0.013	0.026	0.039	0.052	0.063	0.074	0.084	0.095	0.106	0.116	0.132
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø uPVC-SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø uPVC-SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3
GRADE %		1.08%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	2.27%	1.37%
DATUM R.L.	5											
DESIGN SURFACE LEVEL		22.10	21.96	21.92	21.77	21.64	21.51	21.37	21.29	21.05	20.90	20.77
DEPTH SURFACE TO INVERT		1.11 1.13	1.2 1.31	1.34 1.34	1.37 1.38	1.45 1.46	1.49 1.48	1.51 1.56	1.59 1.49	1.52 1.5	1.53 1.72	2.64 1.53
H.G.L. LEVELS	21.20	21.10 20.93	20.89 20.82	20.74 20.70	20.59 20.43	20.39 20.29	20.24 20.15	20.09 20.01	19.94 19.87	19.79 19.73	19.64 19.22	18.68 18.46
INVERT LEVEL		21.00 20.83	20.76 20.61	20.58 20.43	20.40 20.27	20.19 20.06	20.03 19.89	19.86 19.73	19.70 19.57	19.54 19.40	19.37 19.05	18.48 18.13
PIPE DISTANCE & PIPE CHAINAGE		0.00 15.00	15.00 15.00	30.00 15.00	45.00 13.34	58.34 13.34	71.68 13.30	84.98 13.36	98.34 13.33	111.67 13.33	125.00 14.09	139.09 5.75
												144.84

LINE 205



VELOCITY (m/s)		0.745	0.658	0.980	0.731	0.889	0.700	
PIPE FLOW (m3/s)		0.013	0.026	0.039	0.052	0.063	0.077	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3	
GRADE %		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	
DATUM R.L.	1							
DESIGN SURFACE LEVEL		17.87	17.64	17.51	17.38	17.21	17.07	15.99
DEPTH SURFACE TO INVERT		0.73 0.63	0.7 0.72	0.75 0.76	0.79 0.74	0.82 0.81	2.45 1.43	2.03
H.G.L. LEVELS	17.35	17.25 17.11	17.08 17.00	16.93 16.78	16.77 16.63	16.59 16.41	14.83 14.81	14.66
INVERT LEVEL		17.15 17.01	16.94 16.79	16.76 16.62	16.59 16.47	16.39 16.26	14.62 14.57	13.96
PIPE DISTANCE & PIPE CHAINAGE		0.00 13.34	13.34 15.07	28.41 13.77	42.18 12.50	54.68 13.19	67.87 5.84	73.70

LINE 206

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
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Phone: (02) 4305 4300
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 31

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 451 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-451.DWG

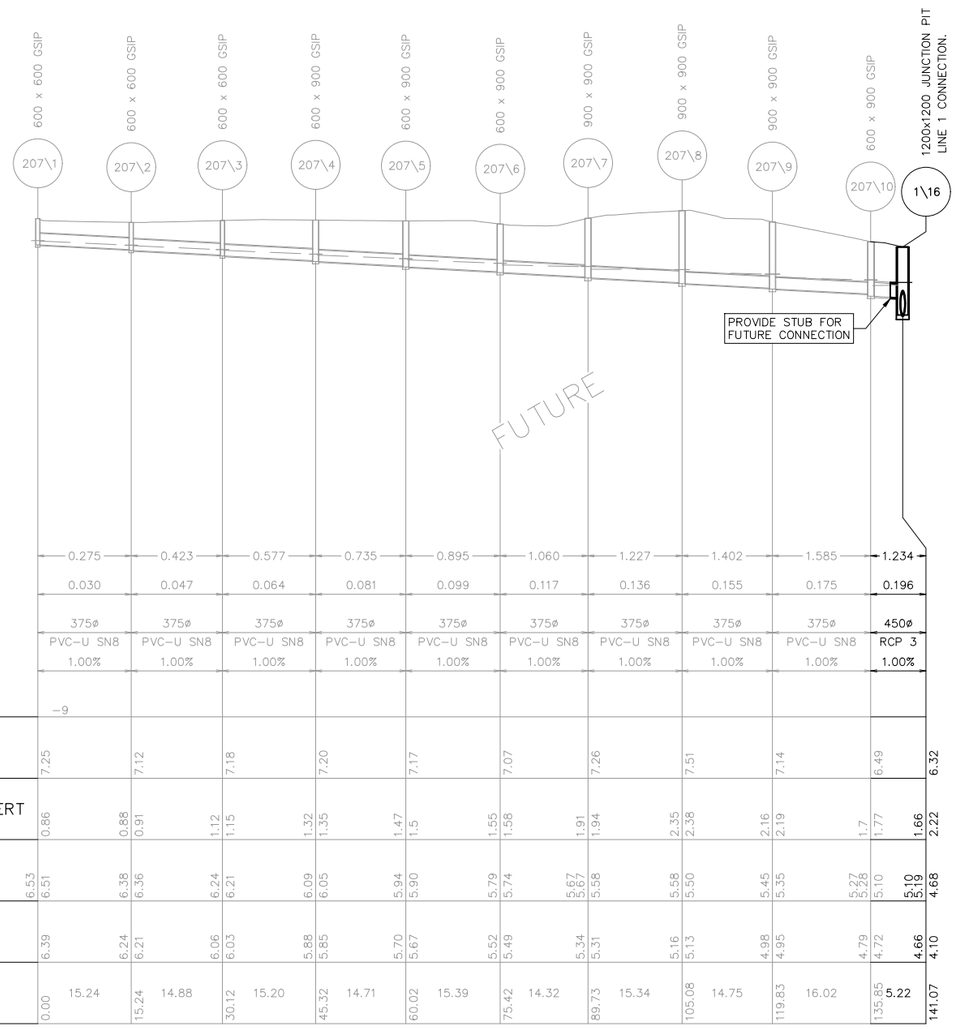
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-452

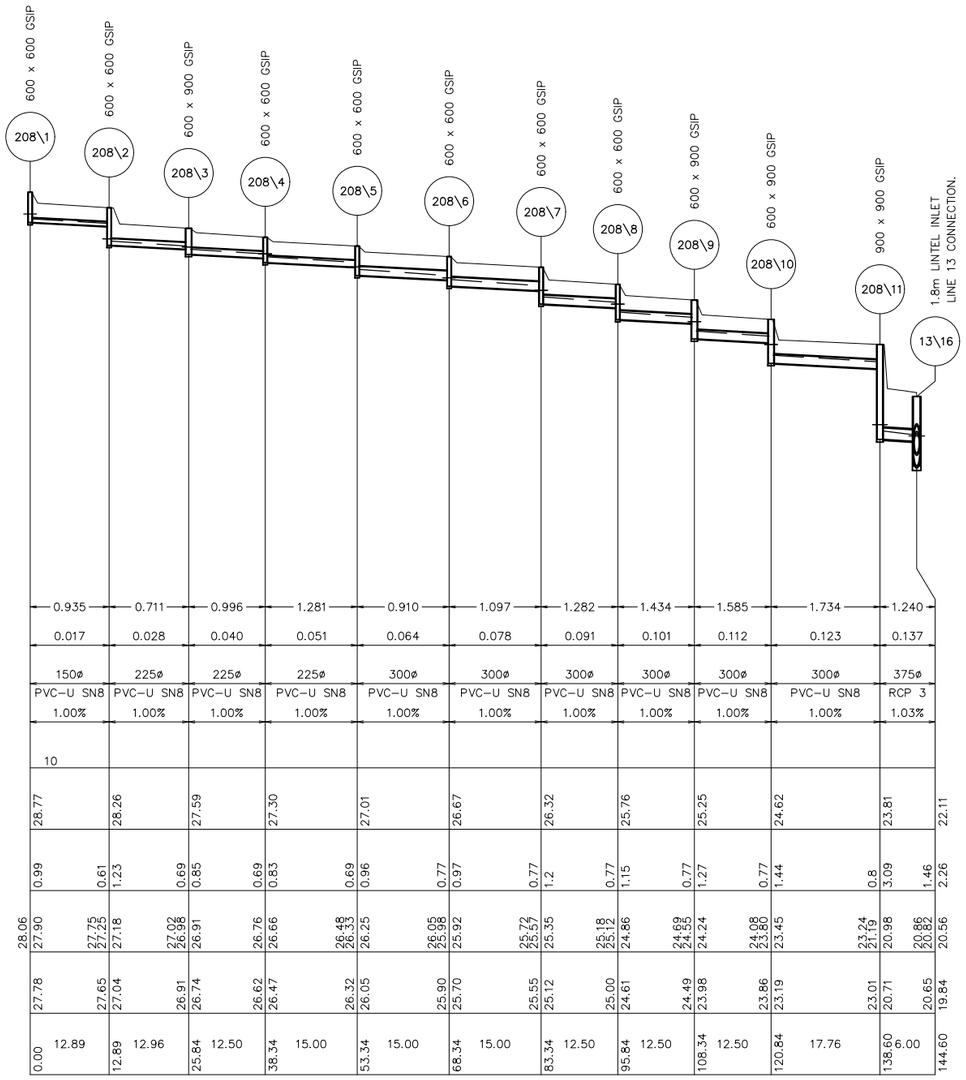
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)	0.275	0.423	0.577	0.735	0.895	1.060	1.227	1.402	1.585	1.234	
PIPE FLOW (m3/s)	0.030	0.047	0.064	0.081	0.099	0.117	0.136	0.155	0.175	0.196	
PIPE SIZE (mm) & CLASS	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	375ø PVC-U SN8	450ø RCP 3	
GRADE %	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	
DATUM R.L.	−9										
DESIGN SURFACE LEVEL	7.25	7.12	7.18	7.20	7.17	7.07	7.26	7.51	7.14	6.49	6.32
DEPTH SURFACE TO INVERT	0.86	0.88	0.91	1.12	1.15	1.32	1.35	1.47	1.5	1.55	1.58	1.91	1.94	2.35	2.38	2.16	2.19	1.7	1.77	1.66	2.22
H.G.L. LEVELS	6.53	6.51	6.38	6.36	6.24	6.21	6.09	6.05	5.94	5.90	5.79	5.74	5.67	5.67	5.58	5.58	5.50	5.45	5.35	5.27	5.28	5.10	5.19	4.68
INVERT LEVEL	6.39	6.24	6.21	6.06	6.03	5.88	5.85	5.70	5.67	5.52	5.49	5.34	5.31	5.16	5.13	4.98	4.95	4.79	4.72	4.66	4.10
PIPE DISTANCE & PIPE CHAINAGE	0.00	15.24	15.24	14.88	30.12	15.20	45.32	14.71	60.02	15.39	75.42	14.32	89.73	15.34	105.08	14.75	119.83	16.02	135.85	5.22	141.07

LINE 207



VELOCITY (m/s)	0.935	0.711	0.996	1.281	0.910	1.097	1.282	1.434	1.585	1.734	1.240
PIPE FLOW (m3/s)	0.017	0.028	0.040	0.051	0.064	0.078	0.091	0.101	0.112	0.123	0.137
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3
GRADE %	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.03%
DATUM R.L.	10										
DESIGN SURFACE LEVEL	28.77	28.26	27.59	27.30	27.01	26.67	26.32	25.76	25.25	24.62	23.81	22.11
DEPTH SURFACE TO INVERT	0.99	0.61	1.23	0.69	0.85	0.69	0.83	0.69	0.96	0.77	0.97	0.77	1.2	0.77	1.15	0.77	1.27	0.77	1.44	0.8	3.09	1.46	2.26
H.G.L. LEVELS	28.06	27.90	27.75	27.25	27.18	27.02	26.98	26.91	26.76	26.66	26.48	26.33	26.25	26.05	25.98	25.92	25.72	25.57	25.35	25.18	25.12	24.86	24.69	24.55	24.24	24.08	23.80	23.45	23.24	21.19	20.98	20.86	20.82	20.56
INVERT LEVEL	27.78	27.65	27.04	26.91	26.74	26.62	26.47	26.32	26.05	25.90	25.70	25.55	25.12	25.00	24.61	24.49	23.98	23.86	23.19	23.01	20.71	20.65	19.84
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.89	12.89	12.96	25.84	12.50	38.34	15.00	53.34	15.00	68.34	15.00	83.34	12.50	95.84	12.50	108.34	12.50	120.84	17.76	138.60	6.00	144.60

LINE 208

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:500 0 12.5 25.0m A3 1:1000

A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 32

PROJECT No. 300362 − DISCIPLINE CENG − NUMBER 452 REV. E

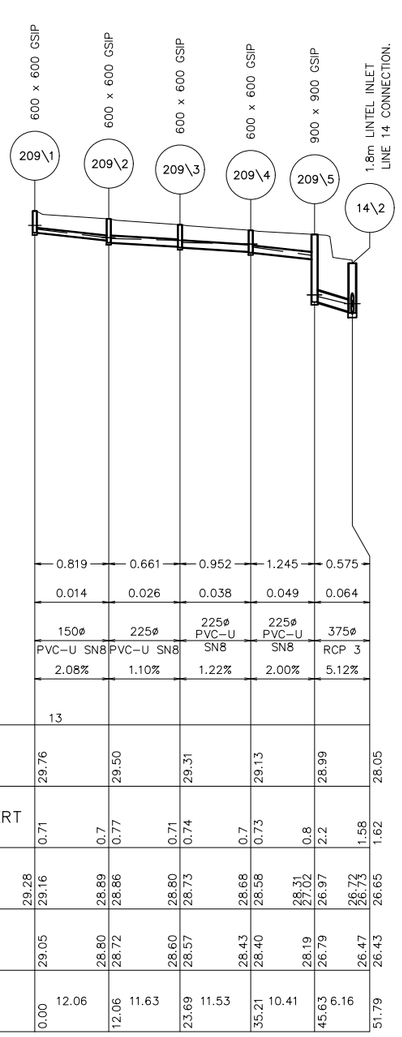
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:31PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-452.DWG

300362-CENG-453

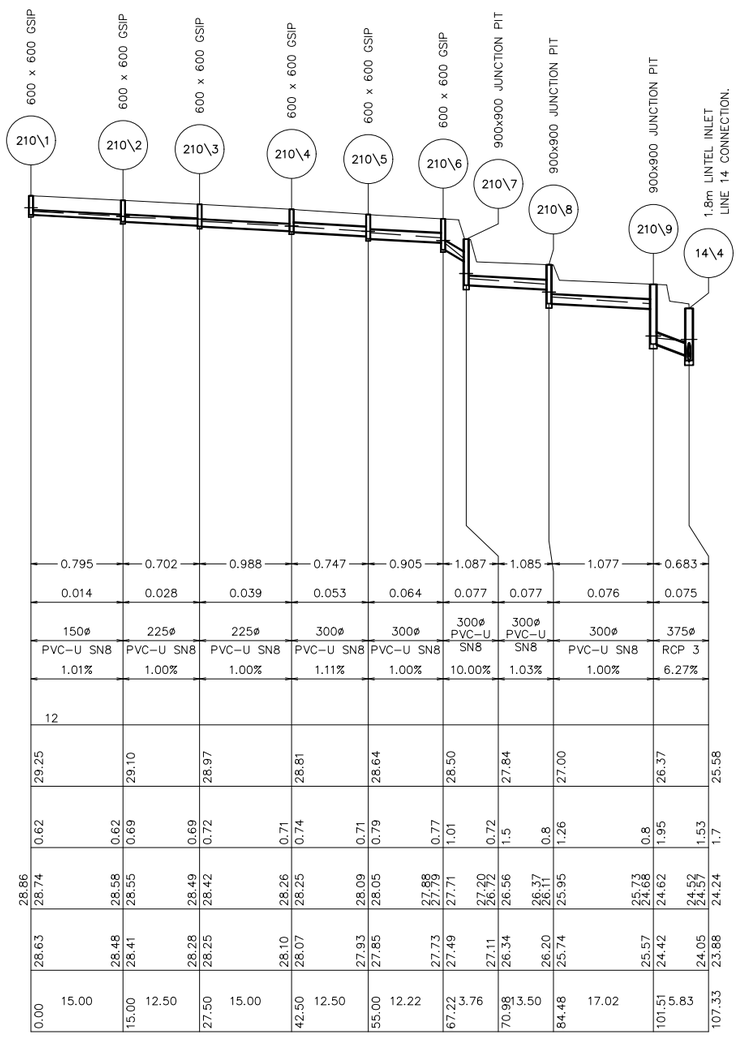
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



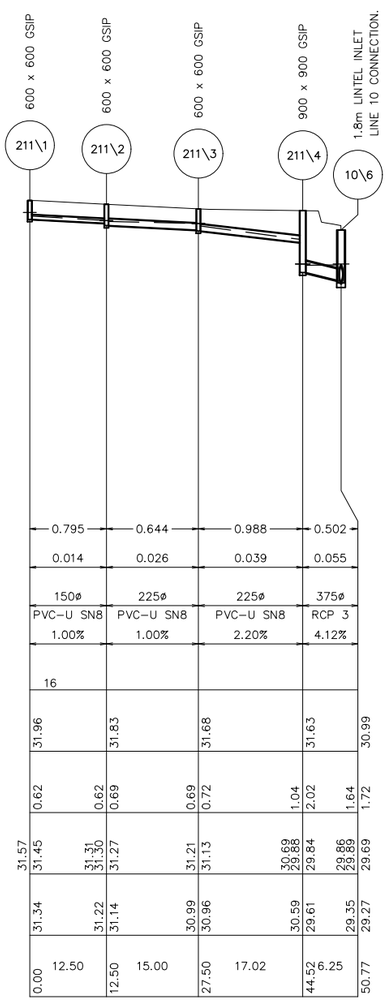
VELOCITY (m/s)		0.819	0.661	0.952	1.245	0.575	
PIPE FLOW (m3/s)		0.014	0.026	0.038	0.049	0.064	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3	
GRADE %		2.08%	1.10%	1.22%	2.00%	5.12%	
DATUM R.L.		13					
DESIGN SURFACE LEVEL	29.28	29.76	29.50	29.31	29.13	28.99	28.05
DEPTH SURFACE TO INVERT		0.71 0.7	0.77 0.71	0.74 0.7	0.73 0.8	2.2 1.58	1.62
H.G.L. LEVELS		29.16 28.89	28.86 28.80	28.73 28.68	28.58 28.31 27.02	26.97 26.72 26.73	26.65
INVERT LEVEL		29.05 28.80	28.72 28.60	28.57 28.43	28.40 28.19	26.79 26.47	26.43
PIPE DISTANCE & PIPE CHAINAGE		0.00 12.06	12.06 11.63	23.69 11.53	35.21 10.41	45.63 6.16	51.79

LINE 209



VELOCITY (m/s)		0.795	0.702	0.988	0.747	0.905	1.087	1.085	1.077	0.683	
PIPE FLOW (m3/s)		0.014	0.028	0.039	0.053	0.064	0.077	0.077	0.076	0.075	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3	
GRADE %		1.01%	1.00%	1.00%	1.11%	1.00%	10.00%	1.03%	1.00%	6.27%	
DATUM R.L.		12									
DESIGN SURFACE LEVEL	28.86	29.25	29.10	28.97	28.81	28.64	28.50	27.84	27.00	26.37	25.58
DEPTH SURFACE TO INVERT		0.62	0.62	0.69	0.72	0.71	0.74	0.77	1.01 0.72	1.5 0.8	1.26 0.8	1.95 1.53	1.7
H.G.L. LEVELS		28.74	28.58	28.55	28.49	28.42	28.26	28.25	28.09	28.05	27.88 27.79	27.71 27.20 26.92	26.56 26.37 26.11	25.95	25.73 24.68	24.62 24.52 24.37	24.24
INVERT LEVEL		28.63	28.48	28.41	28.28	28.25	28.10	28.07	27.93	27.85	27.73	27.49	27.11	26.34	26.20	25.74	25.57	24.42	24.05	23.88
PIPE DISTANCE & PIPE CHAINAGE		0.00 15.00	15.00 12.50	27.50 15.00	42.50 12.50	55.00 12.22	67.22 3.76	70.98 13.50	84.48 17.02	101.51 5.83	107.33

LINE 210



VELOCITY (m/s)		0.795	0.644	0.988	0.502	
PIPE FLOW (m3/s)		0.014	0.026	0.039	0.055	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3	
GRADE %		1.00%	1.00%	2.20%	4.12%	
DATUM R.L.		16				
DESIGN SURFACE LEVEL	31.57	31.96	31.83	31.68	31.63	30.99
DEPTH SURFACE TO INVERT		0.62	0.62	0.69	0.69	0.72	1.04	2.02	1.64	1.72
H.G.L. LEVELS		31.45	31.31 31.30	31.27	31.21	31.13	30.69 29.88	29.84	29.86 29.69	29.69
INVERT LEVEL		31.34	31.22	31.14	30.99	30.96	30.59	29.61	29.35	29.27
PIPE DISTANCE & PIPE CHAINAGE		0.00 12.50	12.50 15.00	27.50 17.02	44.52 6.25	50.77

LINE 211

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000; A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 33

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 453 REV. E

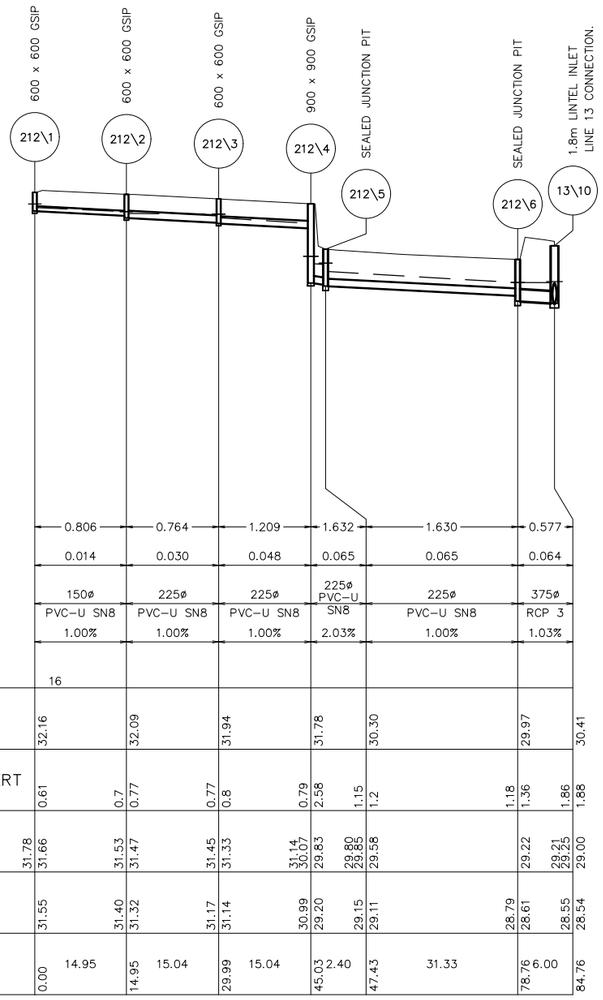
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-453.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-454

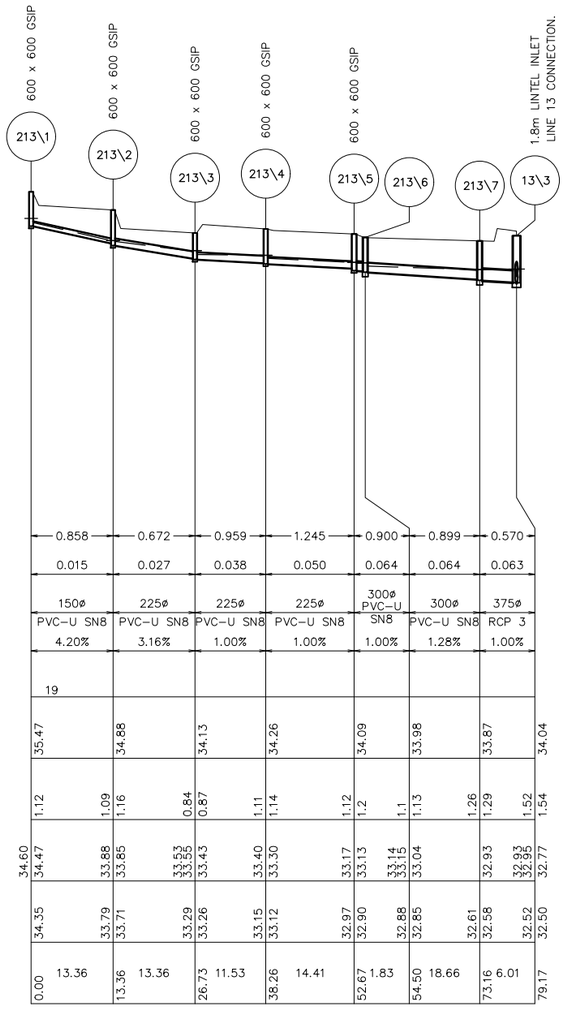
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



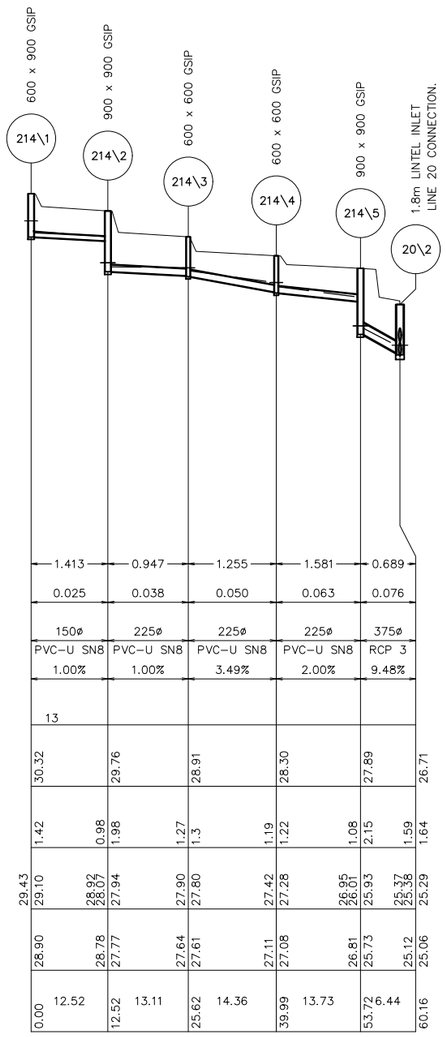
VELOCITY (m/s)		0.806	0.764	1.209	1.632	1.630	0.577	
PIPE FLOW (m3/s)		0.014	0.030	0.048	0.065	0.065	0.064	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3	
GRADE %		1.00%	1.00%	1.00%	2.03%	1.00%	1.03%	
DATUM R.L.	16							
DESIGN SURFACE LEVEL	32.16	32.09	31.94	31.78	30.30	29.97	30.41	
DEPTH SURFACE TO INVERT	0.61	0.7 / 0.77	0.77 / 0.8	0.79 / 2.58	1.15 / 1.2	1.18 / 1.36	1.86 / 1.88	
H.G.L. LEVELS	31.78 / 31.66	31.53 / 31.47	31.45 / 31.33	31.14 / 30.07 / 29.83	29.80 / 29.65 / 29.58	29.22	29.21 / 29.25 / 29.00	
INVERT LEVEL	31.55	31.40 / 31.32	31.17 / 31.14	30.99 / 29.20	29.15 / 29.11	28.79 / 28.61	28.55 / 28.54	
PIPE DISTANCE & PIPE CHAINAGE	0.00	14.95 / 14.95	15.04 / 29.99	15.04 / 45.03	2.40 / 47.43	31.33 / 78.76	6.00 / 84.76	

LINE 212



VELOCITY (m/s)		0.858	0.672	0.959	1.245	0.900	0.899	0.570	
PIPE FLOW (m3/s)		0.015	0.027	0.038	0.050	0.064	0.064	0.063	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3	
GRADE %		4.20%	3.16%	1.00%	1.00%	1.00%	1.28%	1.00%	
DATUM R.L.	19								
DESIGN SURFACE LEVEL	35.47	34.88	34.13	34.26	34.09	33.98	33.87	34.04	
DEPTH SURFACE TO INVERT	1.12	1.09 / 1.16	0.84 / 0.87	1.11 / 1.14	1.12 / 1.2	1.1 / 1.13	1.26 / 1.29	1.52 / 1.54	
H.G.L. LEVELS	34.60 / 34.47	33.88 / 33.85	33.53 / 33.55 / 33.43	33.40 / 33.30	33.17 / 33.13	33.14 / 33.15 / 33.04	32.93	32.95 / 32.77	
INVERT LEVEL	34.35	33.79 / 33.71	33.29 / 33.26	33.15 / 33.12	32.97 / 32.90	32.88 / 32.85	32.61 / 32.58	32.52 / 32.50	
PIPE DISTANCE & PIPE CHAINAGE	0.00	13.36 / 13.36	13.36 / 26.73	11.53 / 38.26	14.41 / 52.67	1.83 / 54.50	18.66 / 73.16	6.01 / 79.17	

LINE 213



VELOCITY (m/s)		1.413	0.947	1.255	1.581	0.689	
PIPE FLOW (m3/s)		0.025	0.038	0.050	0.063	0.076	
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3	
GRADE %		1.00%	1.00%	3.49%	2.00%	9.48%	
DATUM R.L.	13						
DESIGN SURFACE LEVEL	30.32	29.76	28.91	28.30	27.89	26.71	
DEPTH SURFACE TO INVERT	1.42	0.98 / 1.98	1.27 / 1.3	1.19 / 1.22	1.08 / 2.15	1.59 / 1.64	
H.G.L. LEVELS	29.43 / 29.10	28.92 / 28.07 / 27.94	27.90 / 27.80	27.42 / 27.28	26.95 / 26.01 / 25.93	25.37 / 25.38 / 25.29	
INVERT LEVEL	28.90	28.78 / 27.77	27.64 / 27.61	27.11 / 27.08	26.81 / 25.73	25.12 / 25.06	
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.52 / 12.52	13.11 / 25.62	14.36 / 39.99	13.73 / 53.72	6.44 / 60.16	

LINE 214

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 (0, 12.5, 25.0m) A3 1:1000; A1 1:100 (0, 2.5, 5.0m) A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 34

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 454 REV. E

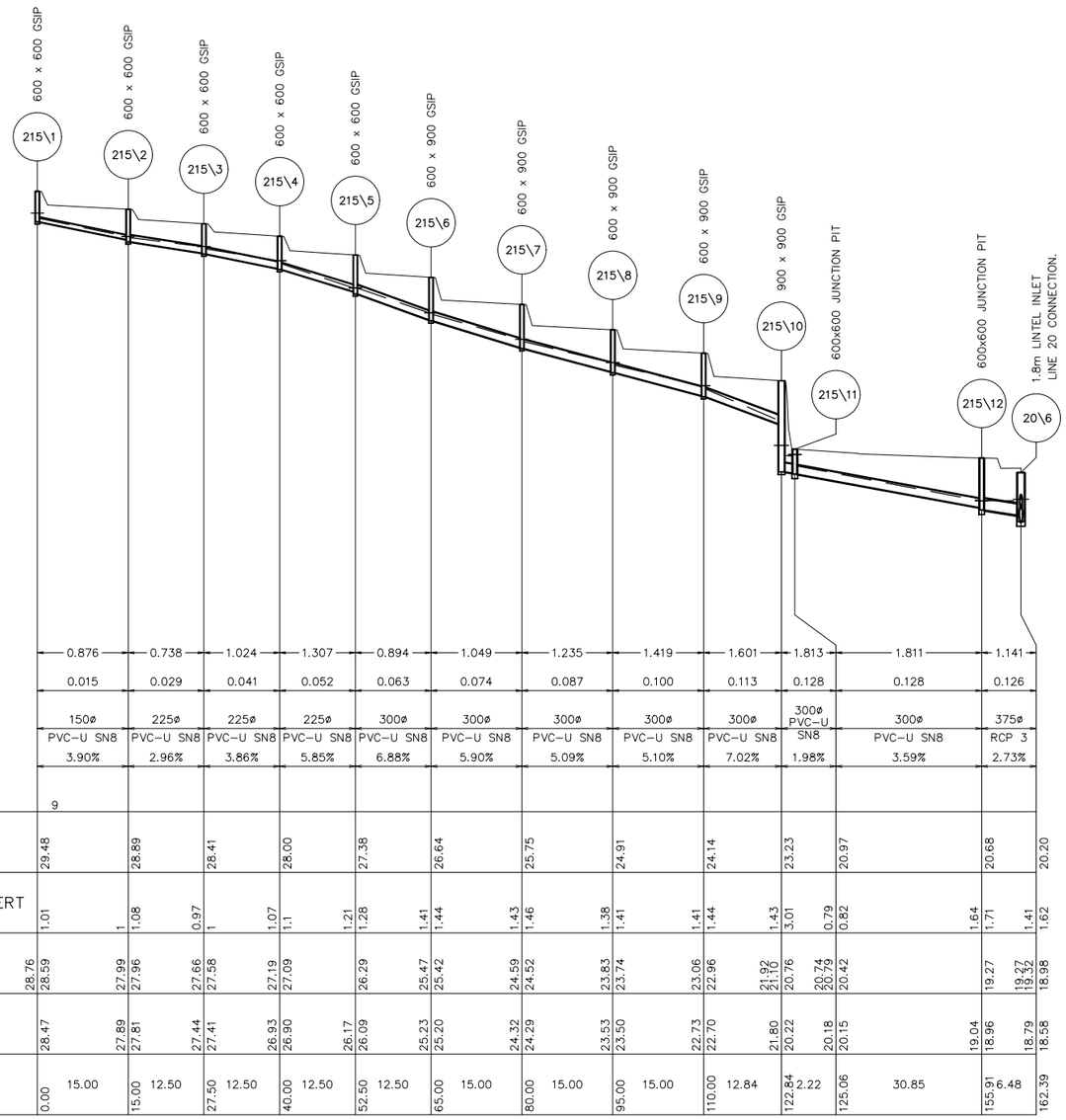
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:47PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-454.DWG

100mm AT FULL SIZE
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300362-CENG-455

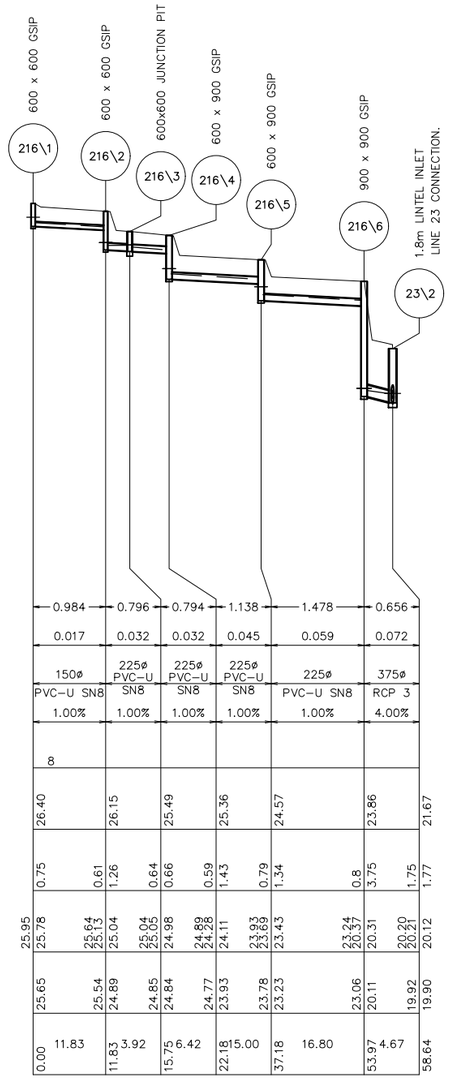
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.876	0.738	1.024	1.307	0.894	1.049	1.235	1.419	1.601	1.813	1.811	1.141
PIPE FLOW (m3/s)		0.015	0.029	0.041	0.052	0.063	0.074	0.087	0.100	0.113	0.128	0.128	0.126
PIPE SIZE (mm) & CLASS		150ø PVC–U SN8	225ø PVC–U SN8	225ø PVC–U SN8	225ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	300ø PVC–U SN8	375ø RCP 3
GRADE %		3.90%	2.96%	3.86%	5.85%	6.88%	5.90%	5.09%	5.10%	7.02%	1.98%	3.59%	2.73%
DATUM R.L.	9												
DESIGN SURFACE LEVEL		29.48	28.89	28.41	28.00	27.38	26.64	25.75	24.91	24.14	23.23	20.97	20.68
DEPTH SURFACE TO INVERT		1.01	1.08	0.97 1	1.07	1.1 1.21	1.28 1.41	1.44 1.43	1.46 1.38	1.41 1.41	1.44 1.43	3.01 0.79	0.82 1.64
H.G.L. LEVELS	28.76	28.59	27.99	27.96	27.66	27.58	27.19	27.09	26.29	25.47	25.42	24.59	24.52
INVERT LEVEL		28.47	27.89	27.81	27.44	27.41	26.93	26.90	26.17	26.09	25.23	25.20	24.32
PIPE DISTANCE & PIPE CHAINAGE		0.00 15.00	15.00 12.50	27.50 12.50	40.00 12.50	52.50 12.50	65.00 15.00	80.00 15.00	95.00 15.00	110.00 12.84	122.84 2.22	125.06 30.85	155.91 6.48

LINE 215



VELOCITY (m/s)		0.984	0.796	0.794	1.138	1.478	0.656	
PIPE FLOW (m3/s)		0.017	0.032	0.032	0.045	0.059	0.072	
PIPE SIZE (mm) & CLASS		150ø PVC–U SN8	225ø PVC–U SN8	225ø PVC–U SN8	225ø PVC–U SN8	225ø PVC–U SN8	375ø RCP 3	
GRADE %		1.00%	1.00%	1.00%	1.00%	1.00%	4.00%	
DATUM R.L.	8							
DESIGN SURFACE LEVEL		26.40	26.15	25.49	25.36	24.57	23.86	21.67
DEPTH SURFACE TO INVERT		0.75	0.61 1.26	0.64 0.66	0.59 1.43	0.79 1.34	0.8 3.75	1.75 1.77
H.G.L. LEVELS	25.95	25.78	25.64 25.13	25.04 25.05	24.98	24.89 24.28	24.11	23.93 23.69	23.43	23.24 20.37	20.31	20.20 20.21	20.12
INVERT LEVEL		25.65	25.54	24.89	24.85	24.84	24.77	23.93	23.78	23.23	23.06	20.11	19.92	19.90
PIPE DISTANCE & PIPE CHAINAGE		0.00 11.83	11.83 3.92	15.75 6.42	22.18 15.00	37.18 16.80	53.97 4.67	58.64

LINE 216

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 (0, 12.5, 25.0m) A3 1:1000; A1 1:100 (0, 2.5, 5.0m) A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS
SHEET 35

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 455 REV. E

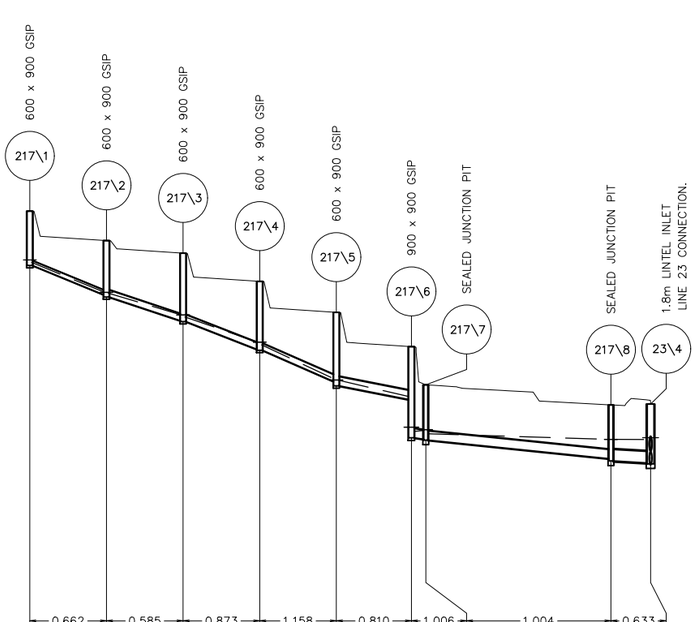
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:53:55PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-455.DWG

100mm AT FULL SIZE
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300362-CENG-456

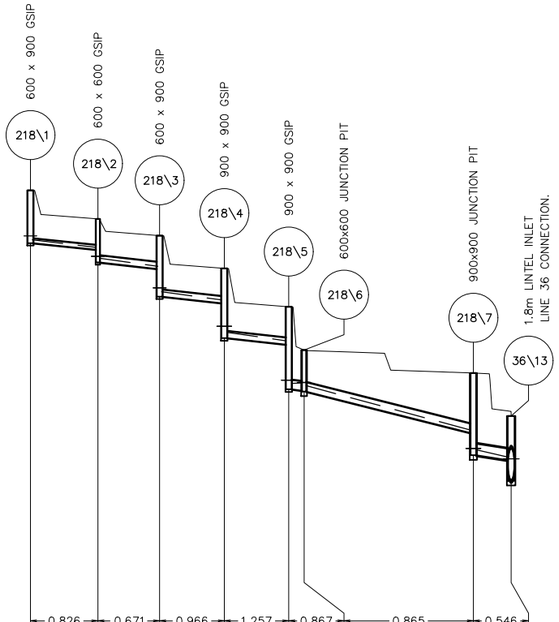
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.662		0.585		0.873	1.158	0.810	1.006	1.004		0.633			
PIPE FLOW (m3/s)		0.012		0.023		0.035	0.046	0.057	0.071	0.071		0.070			
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8		225ø PVC-U SN8		225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8		375ø RCP 3			
GRADE %		7.62%		6.19%		7.25%	8.12%	3.63%	2.00%	2.00%		1.00%			
DATUM R.L.	6														
DESIGN SURFACE LEVEL		24.61		23.65		23.24	22.32	21.31	20.19	18.95		18.29		18.32	
DEPTH SURFACE TO INVERT		1.77	1.76	1.84	2.2	2.23	2.22	2.25	2.4	1.72	2.97	1.77	1.8	1.75	1.83	1.92	1.95
H.G.L. LEVELS	23.02	22.94	21.96	21.94	21.22	21.16	20.34	20.25	19.13	19.10	18.56 17.57	17.43	17.46 17.49	17.35	17.17	17.16 17.22	16.71
INVERT LEVEL		22.84	21.89	21.81	21.04	21.01	20.10	20.07	19.06	18.91	18.47	17.22	17.17	17.14	16.54	16.46	16.40	16.37
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.50	12.50	12.50	25.00	12.50	37.50	12.50	50.00	12.24	62.24	2.35	64.59	30.20	94.79	6.46	101.25	

LINE 217



VELOCITY (m/s)		0.826		0.671		0.966	1.257	0.867		0.865		0.546			
PIPE FLOW (m3/s)		0.015		0.027		0.038	0.050	0.061		0.061		0.060			
PIPE SIZE (mm) & CLASS		150ø PVC-U SN8		225ø PVC-U SN8		225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8		300ø PVC-U SN8		375ø RCP 3			
GRADE %		1.92%		2.09%		2.00%	2.00%	1.74%		4.89%		2.62%			
DATUM R.L.	3														
DESIGN SURFACE LEVEL		22.29		21.35		20.81	19.74	18.49		17.08		16.33		14.93	
DEPTH SURFACE TO INVERT		1.72	1	1.42	1.09	1.99	1.13	2.27	1.23	2.69	1.32	1.35	1.95	2.68	1.44	2.12	
H.G.L. LEVELS	20.80	20.67	20.43 20.14	20.07	19.81 19.71	18.98	18.71 17.86	17.66	17.38 16.10	15.99	16.01 16.02	15.92	14.47 13.87	13.83	13.59 13.54	13.46	
INVERT LEVEL		20.56	20.35	19.94	19.73	18.82	18.61	17.47	17.26	15.80	15.76	15.73	14.38	13.65	13.49	12.81	
PIPE DISTANCE & PIPE CHAINAGE	0.00	11.00	11.00	10.07	21.07	10.55	31.62	10.51	42.13	2.50	44.64	27.60	72.24	6.17	78.41		

LINE 218

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 36

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 456 REV. E

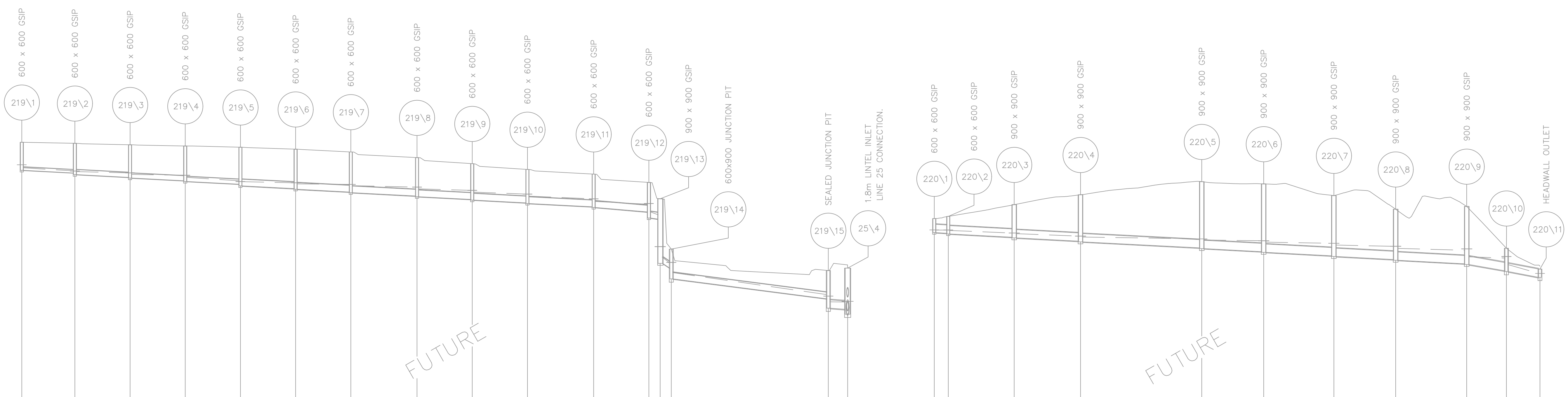
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-456.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-457

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



LINE 219

DATUM R.L. −1

PIPE	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
219\1 – 219\2	0.858	0.015	150ø PVC-U SN8	1.00%	12.02
219\2 – 219\3	0.673	0.027	225ø PVC-U SN8	1.00%	12.50
219\3 – 219\4	0.959	0.038	225ø PVC-U SN8	1.00%	12.50
219\4 – 219\5	1.243	0.049	225ø PVC-U SN8	1.00%	12.50
219\5 – 219\6	0.857	0.061	300ø PVC-U SN8	1.00%	12.50
219\6 – 219\7	1.014	0.072	300ø PVC-U SN8	1.00%	12.50
219\7 – 219\8	1.169	0.083	300ø PVC-U SN8	1.00%	15.00
219\8 – 219\9	1.353	0.096	300ø PVC-U SN8	1.00%	12.50
219\9 – 219\10	1.505	0.106	300ø PVC-U SN8	1.00%	12.50
219\10 – 219\11	1.655	0.117	300ø PVC-U SN8	1.00%	15.00
219\11 – 219\12	1.834	0.130	300ø PVC-U SN8	1.63%	12.50
219\12 – 219\13	1.982	0.140	300ø PVC-U SN8	2.08%	2.57
219\13 – 219\14	2.169	0.153	300ø PVC-U SN8	8.77%	2.52
219\14 – 219\15	2.166	0.153	300ø PVC-U SN8	2.54%	35.57
219\15 – 25\4	1.362	0.150	375ø RCP 3	1.24%	4.37

PIT	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE CHAINAGE
219\1	17.47	1.27	16.45 / 16.31	16.20	0.00
219\2	17.42	1.34 / 1.42	16.18 16.17 / 16.14	16.08 / 16.00	12.02
219\3	17.36	1.48 / 1.51	16.08 / 16.01	15.88 / 15.85	24.52
219\4	17.30	1.58 / 1.61	15.98 / 15.88	15.72 / 15.69	37.02
219\5	17.25	1.68 / 1.75	15.73 / 15.69	15.57 / 15.49	49.52
219\6	17.16	1.79 / 1.82	15.63 / 15.58	15.37 / 15.34	62.02
219\7	17.03	1.82 / 1.85	15.56 / 15.50	15.21 / 15.18	74.52
219\8	16.78	1.74 / 1.77	15.44 / 15.36	15.03 / 15.00	89.52
219\9	16.50	1.62 / 1.65	15.29 / 15.21	14.88 / 14.85	102.02
219\10	16.24	1.51 / 1.54	15.12 / 15.03	14.72 / 14.69	114.52
219\11	16.03	1.48 / 1.51	14.91 / 14.79	14.54 / 14.51	129.52
219\12	15.65	1.34 / 1.61	14.66 14.70 / 14.32	14.31 / 14.04	142.02
219\13	14.91	0.92 / 2.93	14.18 12.74 / 12.27	13.99 / 11.98	144.59
219\14	12.63	0.86 / 1.35	11.99 12.02 / 11.56	11.76 / 11.28	147.11
219\15	11.66	1.28 / 1.71	10.56 10.49 / 10.24	10.37 / 9.95	182.68
25\4	11.77	1.87 / 2.09	10.23 10.26 / 10.06	9.90 / 9.67	187.05

LINE 220

DATUM R.L. −8

PIPE	VELOCITY (m/s)	PIPE FLOW (m3/s)	PIPE SIZE (mm) & CLASS	GRADE %	PIPE DISTANCE
220\1 – 220\2	0.219	0.024	375ø PVC-U SN8	1.00%	3.16
220\2 – 220\3	0.425	0.047	375ø PVC-U SN8	1.00%	14.93
220\3 – 220\4	0.616	0.068	375ø PVC-U SN8	1.00%	15.02
220\4 – 220\5	0.802	0.089	375ø PVC-U SN8	1.00%	27.46
220\5 – 220\6	0.979	0.108	375ø PVC-U SN8	1.00%	14.03
220\6 – 220\7	1.161	0.128	375ø PVC-U SN8	1.00%	15.89
220\7 – 220\8	1.340	0.148	375ø PVC-U SN8	1.00%	14.00
220\8 – 220\9	1.518	0.168	375ø PVC-U SN8	1.00%	16.10
220\9 – 220\10	1.691	0.187	375ø RCP 3	3.23%	8.99
220\10 – 220\11	1.684	0.186	375ø RCP 3	3.48%	7.60

PIT	DESIGN SURFACE LEVEL	DEPTH SURFACE TO INVERT	H.G.L. LEVELS	INVERT LEVEL	PIPE CHAINAGE
220\1	7.01	0.63	6.50 / 6.49	6.38	0.00
220\2	7.11	0.77 / 0.8	6.49 / 6.47	6.35 / 6.32	3.16
220\3	7.64	1.48 / 1.51	6.36 / 6.33	6.17 / 6.14	18.10
220\4	8.09	2.11 / 2.14	6.22 / 6.17	5.99 / 5.96	33.12
220\5	8.68	3 / 3.03	6.09 / 6.04	5.68 / 5.65	60.57
220\6	8.58	3.07 / 3.1	6.01 / 5.94	5.51 / 5.48	74.61
220\7	8.05	2.73 / 2.76	5.89 / 5.81	5.32 / 5.29	90.49
220\8	7.43	2.28 / 2.31	5.75 / 5.66	5.15 / 5.12	104.49
220\9	7.56	2.6 / 2.63	5.57 5.64 / 5.28	4.96 / 4.93	120.59
220\10	5.67	1.02 / 1.05	5.22 5.29 / 4.93	4.64 / 4.61	129.58
220\11	4.72	0.38	4.52	4.35	137.18

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000; A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw johnson
Central Coast
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P.O. Box 3717,
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 37

SURVEYED: ADW Johnson | DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 457 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:12PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-457.DWG

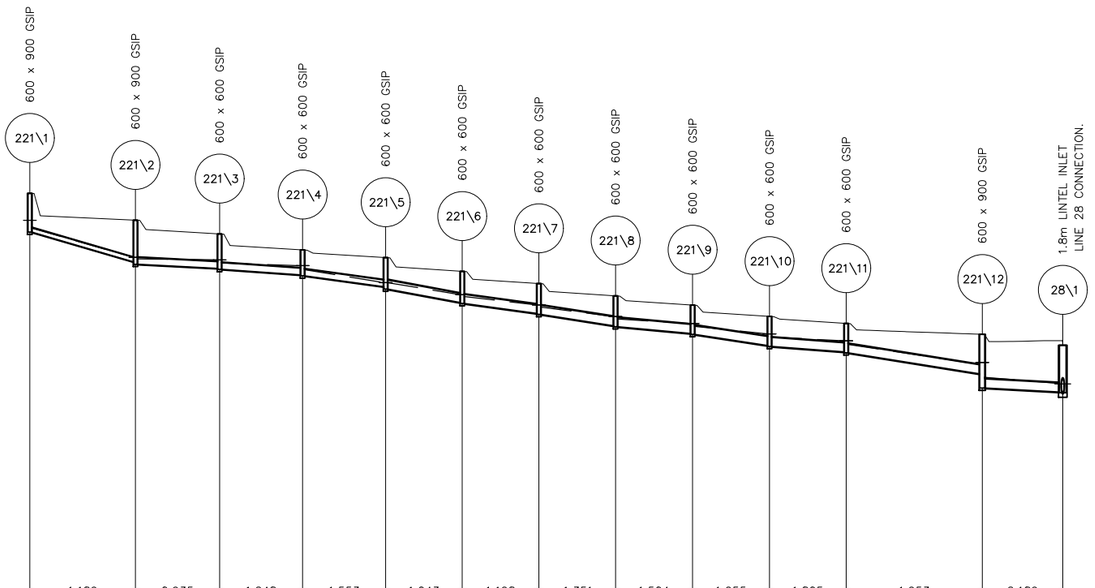
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-458

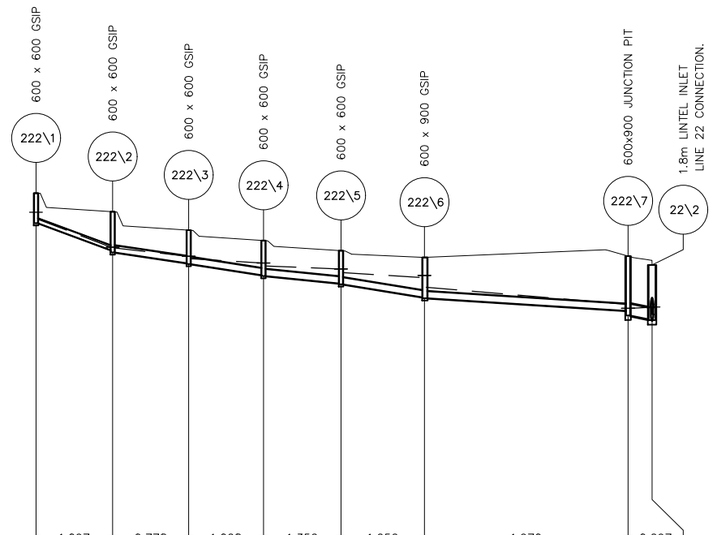
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		1.189	0.935	1.248	1.553	1.043	1.198	1.351	1.504	1.655	1.805	1.953	2.189	
PIPE FLOW (m3/s)		0.021	0.037	0.050	0.062	0.074	0.085	0.096	0.106	0.117	0.128	0.138	0.155	
PIPE SIZE (mm) & CLASS		150ø	225ø	225ø	225ø	300ø	300ø	300ø	300ø	300ø	300ø	300ø	300ø	
		PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	
GRADE %		5.64%	1.00%	1.34%	2.62%	3.53%	2.61%	2.96%	1.76%	2.89%	1.42%	3.09%	1.00%	
DATUM R.L.	18													
DESIGN SURFACE LEVEL		36.21	35.34	34.89	34.37	34.12	33.67	33.27	32.87	32.57	32.20	31.97	31.61	31.26
DEPTH SURFACE TO INVERT		1.27	1.36	1.44	1.13	1.16	0.82	0.85	0.95	1.03	1.02	1.05	0.98	1.01	0.98	1.01	0.93	0.96	0.95	0.98	0.93	0.96	1.29	1.75	1.53	1.55
H.G.L. LEVELS	35.33	35.08	34.12	34.08	34.04	33.94	33.85	33.72		33.30	32.91	32.85	32.57	32.50	32.20	32.11	31.97	31.87	31.63	31.53	31.40	31.29	30.63 30.70	30.21	30.02	30.00
INVERT LEVEL		34.95	33.97	33.90	33.76	33.73	33.55	33.52	33.17	33.09	32.65	32.62	32.29	32.26	31.89	31.86	31.64	31.61	31.25	31.22	31.04	31.01	30.33	29.86	29.73	29.71
PIPE DISTANCE & PIPE CHAINAGE	0.00	17.23	17.23	13.72	30.95	13.54	44.49	13.54	58.03	12.50	70.53	12.50	83.03	12.50	95.53	12.57	108.10	12.55	120.65	12.50	133.15	22.20		155.35	13.12	168.48

LINE 221



VELOCITY (m/s)		1.097	0.778	1.068	1.356	1.656	1.970		0.697	
PIPE FLOW (m3/s)		0.019	0.031	0.042	0.054	0.066	0.078		0.077	
PIPE SIZE (mm) & CLASS		150ø	225ø	225ø	225ø	225ø	225ø		375ø	
		PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8	PVC–U SN8		RCP 3	
GRADE %		7.04%	2.80%	2.97%	1.91%	3.09%	1.24%		3.17%	
DATUM R.L.	14									
DESIGN SURFACE LEVEL		30.49	29.88	29.28	28.94	28.61	28.39		28.44	28.15
DEPTH SURFACE TO INVERT		0.98	1.25	1.33	1.07	1.1	1.13	1.16	1.07	1.1	1.3	1.33		1.78	1.93	1.77	1.8
H.G.L. LEVELS	29.87	29.64	28.73	28.70	28.43	28.35	28.21	28.12	28.02	27.90	27.74 27.80	27.42		26.87	26.74	26.76 26.78	26.61
INVERT LEVEL		29.51	28.63	28.56	28.21	28.18	27.82	27.79	27.55	27.52	27.10	27.07		26.65	26.50	26.38	26.35
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.50	12.50	12.40	24.90	12.20	37.10	12.64	49.74	13.61	63.35	33.21		96.56	3.92	100.48	

LINE 222

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 38

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 458 REV. E

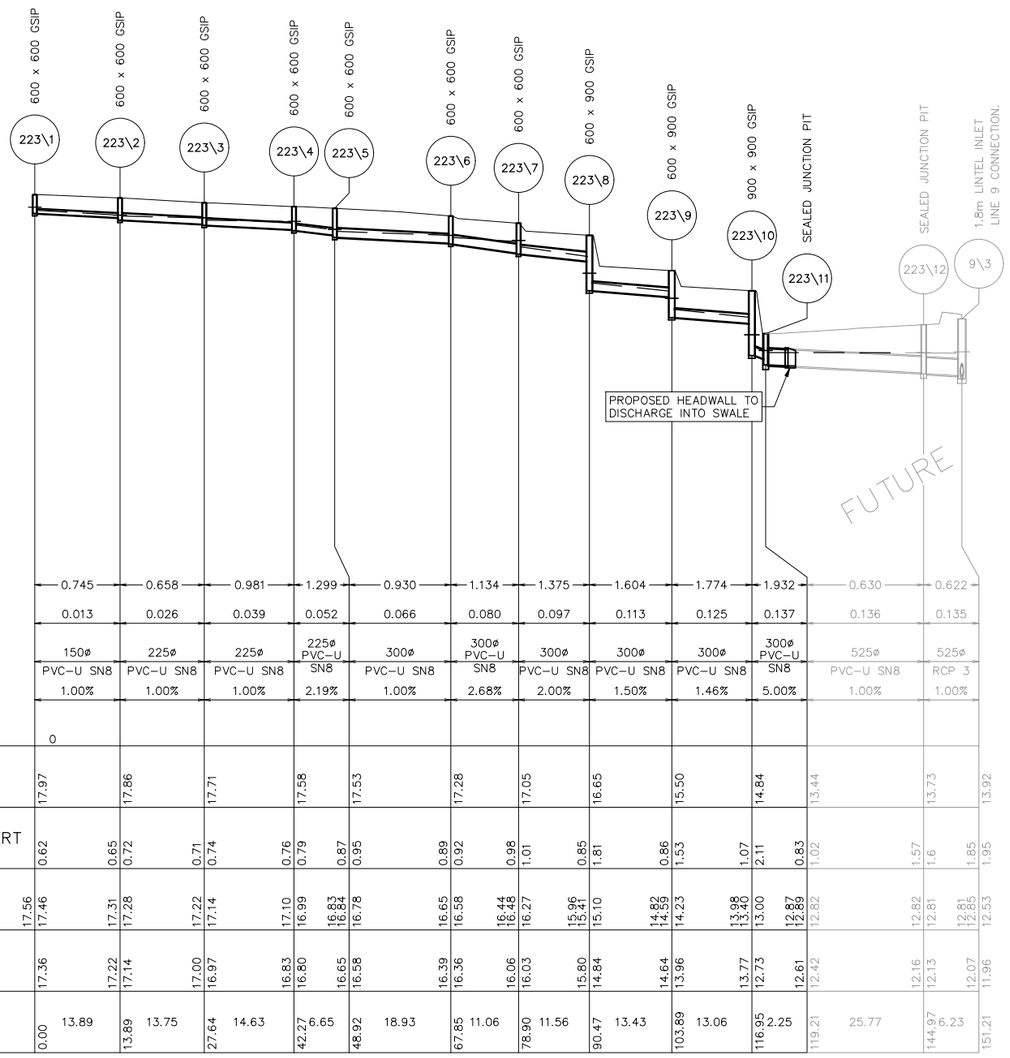
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:20PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–458.DWG

300362-CENG-459

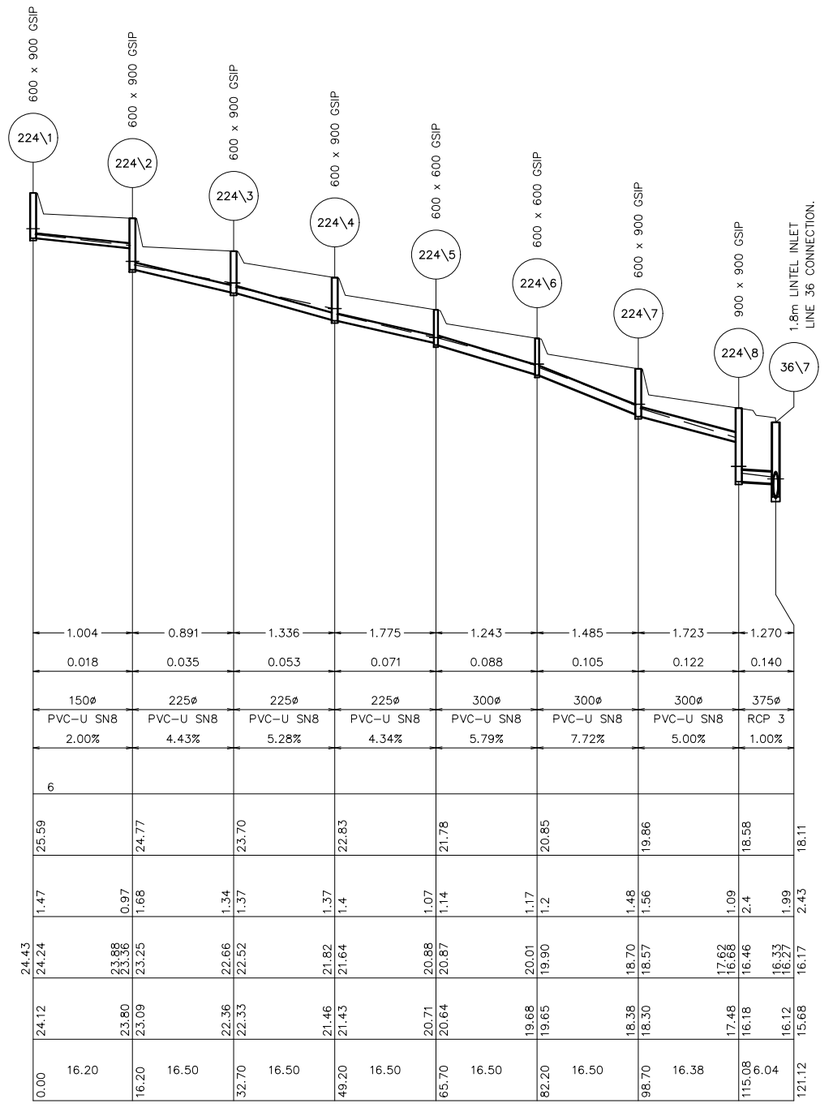
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)	0.745	0.658	0.981	1.299	0.930	1.134	1.375	1.604	1.774	1.932	0.630	0.622	
PIPE FLOW (m3/s)	0.013	0.026	0.039	0.052	0.066	0.080	0.097	0.113	0.125	0.137	0.136	0.135	
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	525ø PVC-U SN8	525ø RCP 3	
GRADE %	1.00%	1.00%	1.00%	2.19%	1.00%	2.68%	2.00%	1.50%	1.46%	5.00%	1.00%	1.00%	
DATUM R.L.	0												
DESIGN SURFACE LEVEL	17.97	17.86	17.71	17.58	17.53	17.28	17.05	16.65	15.50	14.84	13.44	13.73	13.92
DEPTH SURFACE TO INVERT	0.62 0.65	0.72 0.71	0.74 0.76	0.79 0.87	0.95 0.89	0.92 0.98	1.01 0.85	1.81 0.86	1.53 1.07	2.11 0.83	1.02 1.57	1.6 1.85	1.95
H.G.L. LEVELS	17.56 17.46 17.31	17.28 17.22	17.14 17.10	16.99 16.83 16.84	16.78 16.65	16.58 16.44 16.46	16.27 15.96 15.91	15.10 14.82 14.85	14.23 13.98 13.40	13.00 12.87 12.89	12.82 12.82	12.81 12.81 12.85	12.53
INVERT LEVEL	17.36 17.22	17.14 17.00	16.97 16.83	16.80 16.65	16.58 16.39	16.36 16.06	16.03 15.80	14.84 14.64	13.96 13.77	12.73 12.61	12.42 12.16	12.13 12.07	11.96
PIPE DISTANCE & PIPE CHAINAGE	0.00 13.89	13.89 13.75	27.64 14.63	42.27 6.65	48.92 18.93	67.85 11.06	78.90 11.56	90.47 13.43	103.89 13.06	116.95 2.25	119.21 25.77	144.97 6.23	151.21

LINE 223



VELOCITY (m/s)	1.004	0.891	1.336	1.775	1.243	1.485	1.723	1.270	
PIPE FLOW (m3/s)	0.018	0.035	0.053	0.071	0.088	0.105	0.122	0.140	
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	300ø PVC-U SN8	375ø RCP 3	
GRADE %	2.00%	4.43%	5.28%	4.34%	5.79%	7.72%	5.00%	1.00%	
DATUM R.L.	6								
DESIGN SURFACE LEVEL	25.59	24.77	23.70	22.83	21.78	20.85	19.86	18.58	18.11
DEPTH SURFACE TO INVERT	1.47 0.97	1.68 1.34	1.37 1.37	1.4 1.07	1.14 1.17	1.2 1.48	1.56 1.09	2.4 1.99	2.43
H.G.L. LEVELS	24.43 24.24 23.88	23.56 23.25	22.66	22.52 21.82	21.64 20.88	20.87 20.01	19.90 18.70	18.57 17.62	16.68 16.46 16.33
INVERT LEVEL	24.12 23.80	23.09 22.36	22.33 21.46	21.43 20.71	20.64 19.68	19.65 18.38	18.30 17.48	16.18 16.12	15.68
PIPE DISTANCE & PIPE CHAINAGE	0.00 16.20	16.20 16.50	32.70 16.50	49.20 16.50	65.70 16.50	82.20 16.50	98.70 16.38	115.08 6.04	121.12

LINE 224

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
5 Pioneer Avenue,
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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 39

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 459 REV. E

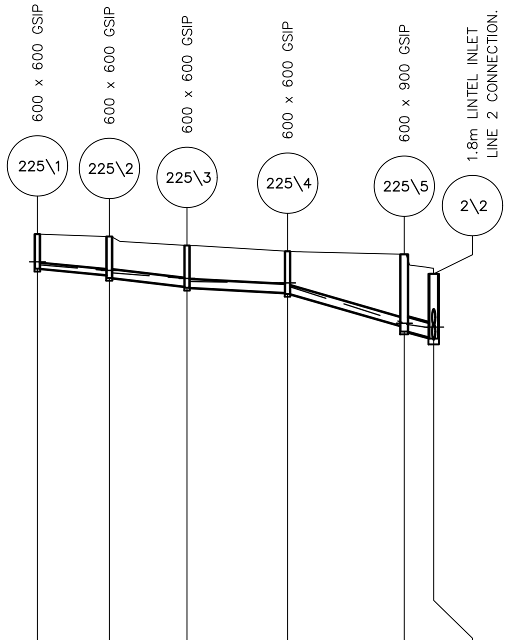
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-459.DWG

100mm AT FULL SIZE
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300362-CENG-460

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.

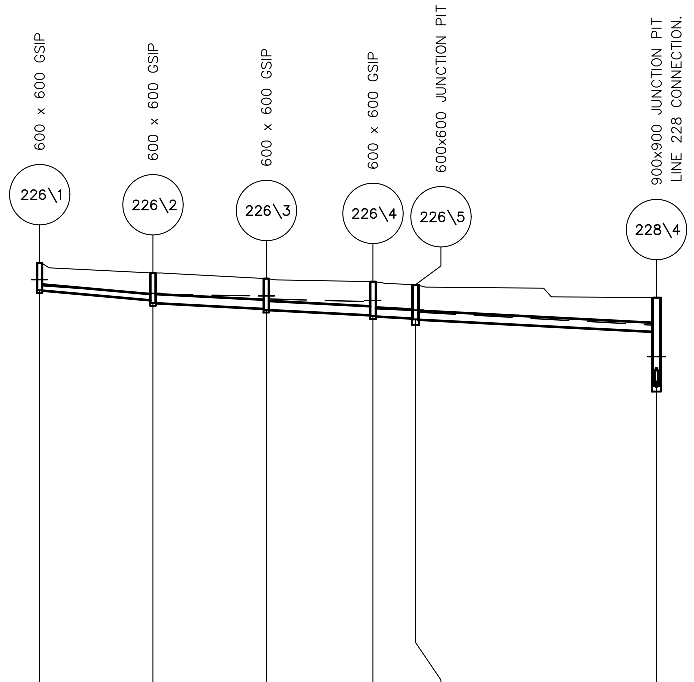


	225\1 – 225\2	225\2 – 225\3	225\3 – 225\4	225\4 – 225\5	225\5 – 2\2
VELOCITY (m/s)	0.661	0.643	0.989	1.282	0.604
PIPE FLOW (m3/s)	0.012	0.026	0.039	0.051	0.067
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3
GRADE %	1.78%	2.24%	1.00%	5.47%	4.08%
PIPE DISTANCE	9.52	10.28	13.30	15.45	3.89

DATUM R.L. 11

	225\1	225\2	225\3	225\4	225\5	2\2
DESIGN SURFACE LEVEL	27.19	27.12	26.89	26.74	26.66	26.14
DEPTH SURFACE TO INVERT	0.92	1.02 / 1.09	1.09 / 1.12	1.1 / 1.13	1.89 / 2.04	1.69 / 1.72
H.G.L. LEVELS	26.46 / 26.38	26.23 / 26.16	26.02 / 25.94	25.90 / 25.80	24.85 / 24.83 / 24.80	24.71 / 24.73 / 24.64
INVERT LEVEL	26.28	26.11 / 26.03	25.80 / 25.77	25.64 / 25.61	24.76 / 24.61	24.45 / 24.42
PIPE CHAINAGE	0.00	9.52	19.79	33.09	48.54	52.43

LINE 225

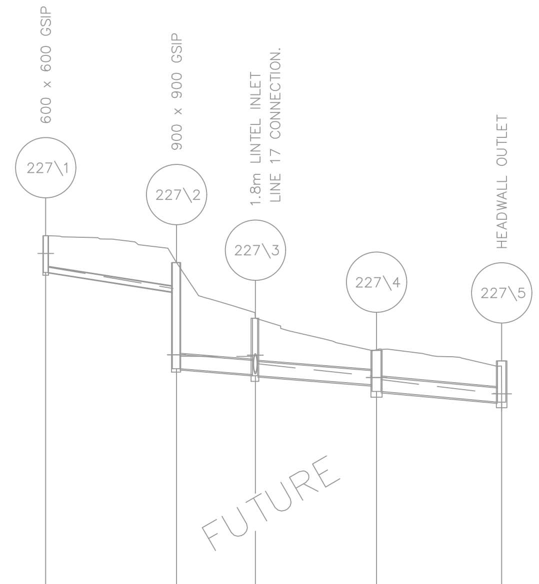


	226\1 – 226\2	226\2 – 226\3	226\3 – 226\4	226\4 – 226\5	226\5 – 228\4
VELOCITY (m/s)	0.940	0.744	1.065	1.383	1.379
PIPE FLOW (m3/s)	0.017	0.030	0.042	0.055	0.055
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8	225ø PVC-U SN8
GRADE %	1.72%	1.00%	1.00%	1.00%	1.00%
PIPE DISTANCE	15.00	15.00	14.09	5.62	31.90

DATUM R.L. 10

	226\1	226\2	226\3	226\4	226\5	228\4
DESIGN SURFACE LEVEL	26.54	26.27	26.12	26.04	25.95	25.61
DEPTH SURFACE TO INVERT	0.73	0.72 / 0.79	0.79 / 0.82	0.89 / 0.92	0.88 / 0.91	0.9 / 2.34
H.G.L. LEVELS	26.09 / 25.93	25.73 / 25.70	25.66 / 25.58	25.51 / 25.54 / 25.32	25.27 / 25.28 / 25.23	24.89 / 24.05 / 23.85
INVERT LEVEL	25.81	25.55 / 25.47	25.32 / 25.29	25.15 / 25.12	25.07 / 25.04	24.72 / 23.28
PIPE CHAINAGE	0.00	15.00	30.00	44.09	49.71	81.61

LINE 226



	227\1 – 227\2	227\2 – 227\3	227\3 – 227\4	227\4 – 227\5
VELOCITY (m/s)	1.455	0.484	1.676	1.663
PIPE FLOW (m3/s)	0.026	0.053	0.185	0.184
PIPE SIZE (mm) & CLASS	150ø PVC-U SN8	375ø RCP 3	375ø RCP 3	375ø RCP 3
GRADE %	3.00%	1.50%	1.50%	1.70%
PIPE DISTANCE	17.31	10.42	16.03	16.56

DATUM R.L. −11

	227\1	227\2	227\3	227\4	227\5
DESIGN SURFACE LEVEL	6.23	5.51	4.04	3.19	2.91
DEPTH SURFACE TO INVERT	0.97	0.78 / 2.81	1.49 / 1.52	0.91 / 1.09	1.09
H.G.L. LEVELS	5.76 / 5.39	4.83 / 3.07 / 3.03	3.03 / 3.07 / 2.83	2.51 / 2.47 / 2.42	2.04
INVERT LEVEL	5.25	4.73 / 2.71	2.55 / 2.52	2.28 / 2.10	1.82
PIPE CHAINAGE	0.00	17.31	27.73	43.76	60.32

LINE 227

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0 – 12.5 – 25.0m); A1 1:100 / A3 1:200 (0 – 2.5 – 5.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 40

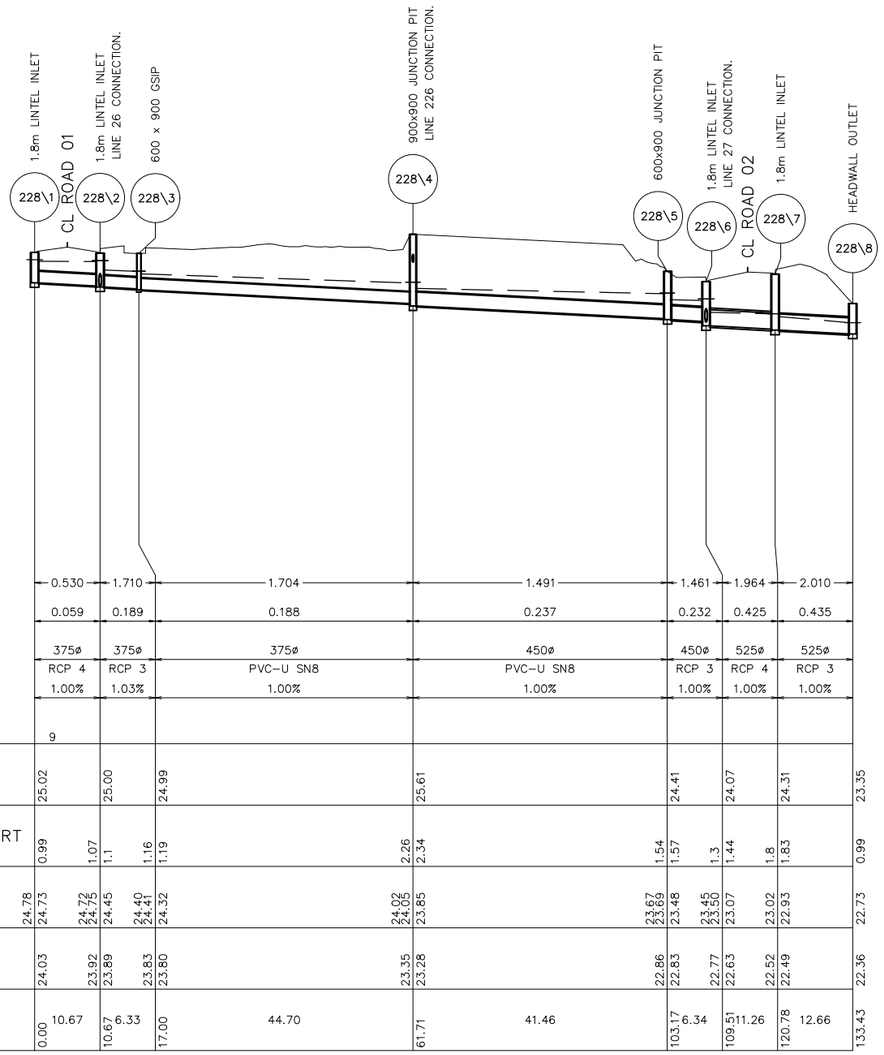
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 460 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:36PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–460.DWG

300362-CENG-461

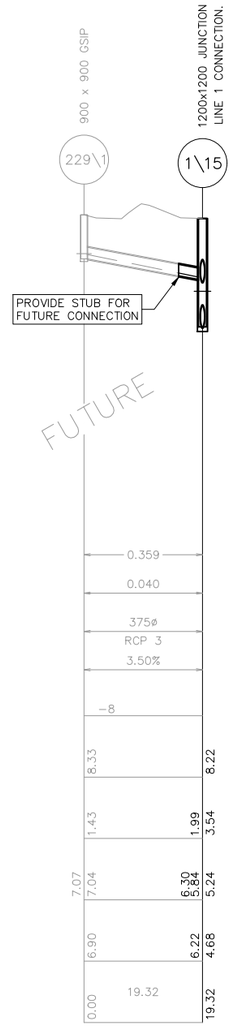
NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



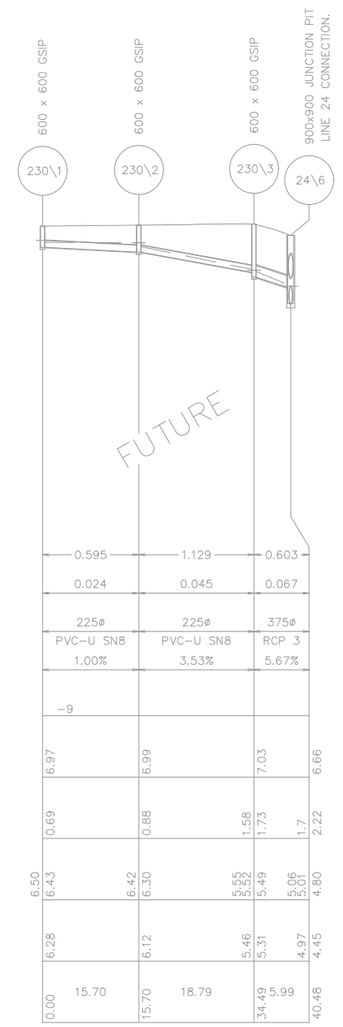
VELOCITY (m/s)		0.530	1.710	1.704	1.491	1.461	1.964	2.010
PIPE FLOW (m3/s)		0.059	0.189	0.188	0.237	0.232	0.425	0.435
PIPE SIZE (mm) & CLASS		375ø RCP 4	375ø RCP 3	375ø PVC-U SN8	450ø PVC-U SN8	450ø RCP 3	525ø RCP 4	525ø RCP 3
GRADE %		1.00%	1.03%	1.00%	1.00%	1.00%	1.00%	1.00%
DATUM R.L.		9						
DESIGN SURFACE LEVEL		25.02	25.00	24.99	25.61	24.41	24.07	24.31
DEPTH SURFACE TO INVERT		0.99 / 1.07	1.1 / 1.16	1.19	2.26 / 2.34	1.54 / 1.57	1.3 / 1.44	1.8 / 1.83
H.G.L. LEVELS	24.78	24.73 / 24.72	24.75 / 24.45	24.40 / 24.41	24.32	24.02 / 24.05	23.85	23.67 / 23.69
							23.48 / 23.45	23.50 / 23.07
								23.02 / 22.93
INVERT LEVEL		24.03	23.92 / 23.89	23.83	23.80	23.35 / 23.28	22.86	22.83 / 22.77
								22.63 / 22.52
								22.49
PIPE DISTANCE & PIPE CHAINAGE		0.00 / 10.67	10.67 / 6.33	17.00 / 44.70	61.71 / 41.46	103.17 / 6.34	109.51 / 11.26	120.78 / 12.66
								133.43

LINE 228



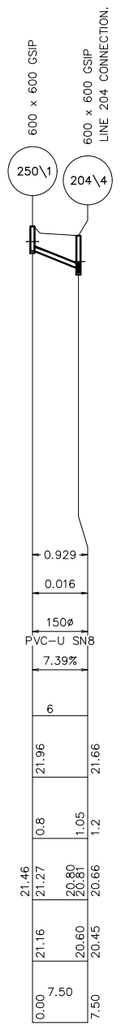
		0.359	
		0.040	
		375ø RCP 3	
		3.50%	
	−8		
	8.33		8.22
	1.43		1.99 / 3.54
7.07	7.04		6.30 / 5.24
	6.90		6.22 / 4.68
0.00	19.32		19.32

LINE 229



	0.595	1.129	0.603	
	0.024	0.045	0.067	
	225ø PVC-U SN8	225ø PVC-U SN8	375ø RCP 3	
	1.00%	3.53%	5.67%	
	−9			
	6.97	6.99	7.03	6.66
	0.69	0.88	1.58 / 1.73	1.7 / 2.22
6.50	6.43	6.42 / 6.30	5.55 / 5.32	5.49 / 5.06 / 4.80
	6.28	6.12	5.46 / 5.31	4.97 / 4.45
0.00	15.70	15.70 / 18.79	34.49 / 5.99	40.48

LINE 230



	0.929		
	0.016		
	150ø PVC-U SN8		
	7.39%		
	6		
	21.96		21.66
	0.8		1.05 / 1.2
21.46	21.27		20.80 / 20.81 / 20.66
	21.16		20.60 / 20.45
0.00	7.50		7.50

LINE 250

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000; A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 41

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 461 REV. E

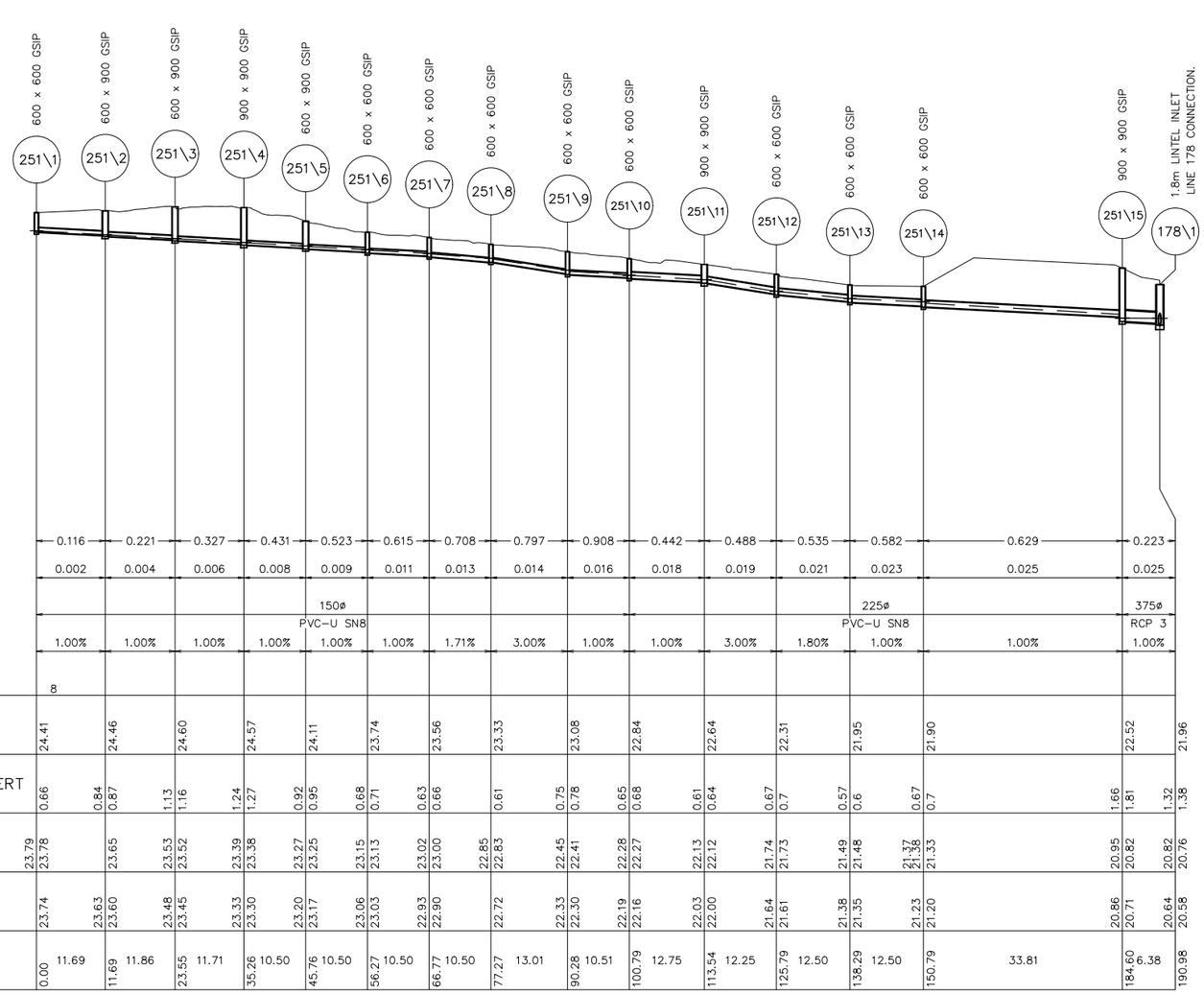
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:44PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-461.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-462

NOTES:

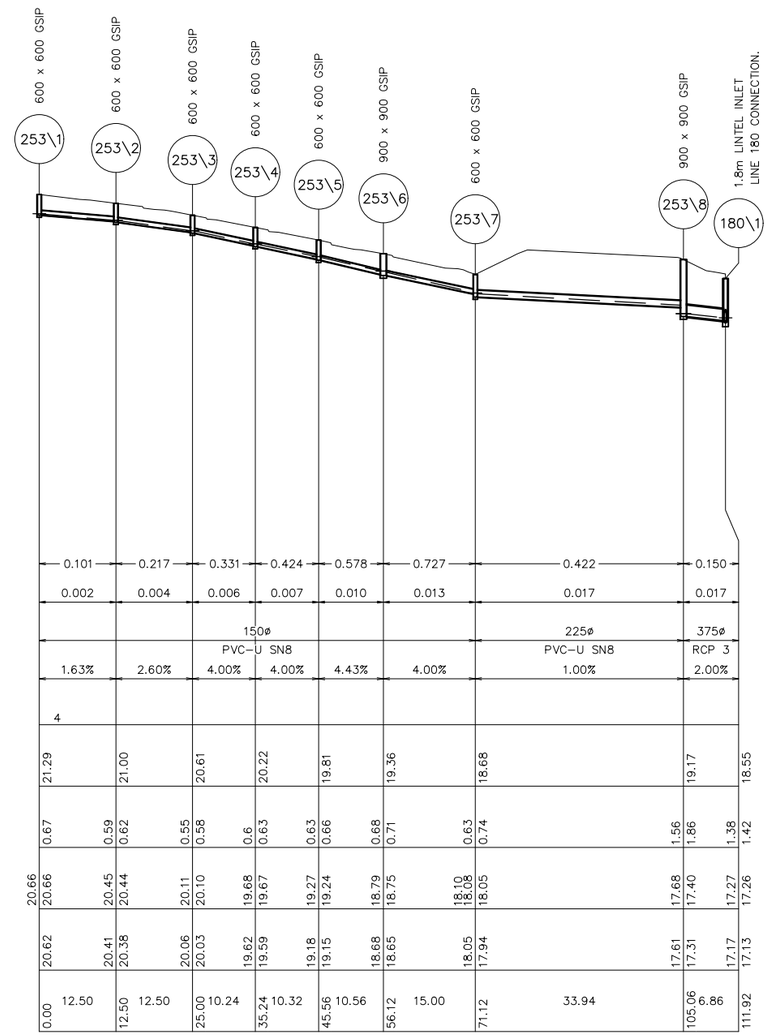
1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



VELOCITY (m/s)		0.116		0.221		0.327		0.431		0.523		0.615		0.708		0.797		0.908
PIPE FLOW (m3/s)		0.002		0.004		0.006		0.008		0.009		0.011		0.013		0.014		0.016
PIPE SIZE (mm) & CLASS										150ø PVC–U SN8								
GRADE %		1.00%		1.00%		1.00%		1.00%		1.00%		1.00%		1.71%		3.00%		1.00%
DATUM R.L.	8																	
DESIGN SURFACE LEVEL		24.41		24.46		24.60		24.57		24.11		23.74		23.56		23.33		23.08
DEPTH SURFACE TO INVERT		0.66	0.84	0.87	1.13	1.16	1.24	1.27	0.92	0.95	0.68	0.71	0.63	0.66		0.61	0.75	0.78
H.G.L. LEVELS	23.79	23.78		23.65	23.53	23.52	23.39	23.38	23.27	23.25	23.15	23.13	23.02	23.00	22.85	22.83	22.45	22.41
INVERT LEVEL		23.74	23.63	23.60	23.48	23.45	23.33	23.30	23.20	23.17	23.06	23.03	22.93	22.90		22.72	22.33	22.30
PIPE DISTANCE & PIPE CHAINAGE	0.00	11.69		11.69	11.86	23.55	11.71	35.26	10.50	45.76	10.50	56.27	10.50	66.77	10.50	77.27	13.01	90.28

VELOCITY (m/s)		0.442		0.488		0.535		0.582		0.629		0.223						
PIPE FLOW (m3/s)		0.018		0.019		0.021		0.023		0.025		0.025						
PIPE SIZE (mm) & CLASS							225ø PVC–U SN8				375ø RCP 3							
GRADE %		1.00%		3.00%		1.80%		1.00%		1.00%		1.00%						
DATUM R.L.																		
DESIGN SURFACE LEVEL		22.84		22.64		22.31		21.95		21.90		22.52		21.96				
DEPTH SURFACE TO INVERT		0.68	0.61	0.64	0.67	0.7	0.57	0.6	0.67	0.7	1.66	1.81	1.32	1.38				
H.G.L. LEVELS		22.27	22.13	22.12	21.74	21.73	21.49	21.48	21.37 21.38	21.33	20.95	20.82	20.82	20.76				
INVERT LEVEL		22.16	22.03	22.00	21.64	21.61	21.38	21.35	21.23	21.20	20.86	20.71	20.64	20.58				
PIPE DISTANCE & PIPE CHAINAGE	100.79	12.75	113.54	12.25	125.79	12.50	138.29	12.50	150.79	33.81	184.60	6.38	190.98					

LINE 251



VELOCITY (m/s)		0.101		0.217		0.331		0.424		0.578		0.727		0.422		0.150		
PIPE FLOW (m3/s)		0.002		0.004		0.006		0.007		0.010		0.013		0.017		0.017		
PIPE SIZE (mm) & CLASS						150ø PVC–U SN8							225ø PVC–U SN8			375ø RCP 3		
GRADE %		1.63%		2.60%		4.00%		4.00%		4.43%		4.00%		1.00%		2.00%		
DATUM R.L.	4																	
DESIGN SURFACE LEVEL		21.29		21.00		20.61		20.22		19.81		19.36		18.68		19.17		18.55
DEPTH SURFACE TO INVERT		0.67	0.59	0.62	0.55	0.58	0.6	0.63	0.63	0.66	0.68	0.71	0.63	0.74	1.56	1.86	1.38	1.42
H.G.L. LEVELS	20.66	20.66	20.45	20.44	20.11	20.10	19.68	19.67	19.27	19.24	18.79	18.75	18.10 18.08	18.05	17.68	17.40	17.27	17.26
INVERT LEVEL		20.62	20.41	20.38	20.06	20.03	19.62	19.59	19.18	19.15	18.68	18.65	18.05	17.94	17.61	17.31	17.17	17.13
PIPE DISTANCE & PIPE CHAINAGE	0.00	12.50	12.50	12.50	25.00	10.24	35.24	10.32	45.56	10.56	56.12	15.00	71.12	33.94	105.06	6.86	111.92	

LINE 253

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 42

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 462 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:54:52PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-462.DWG

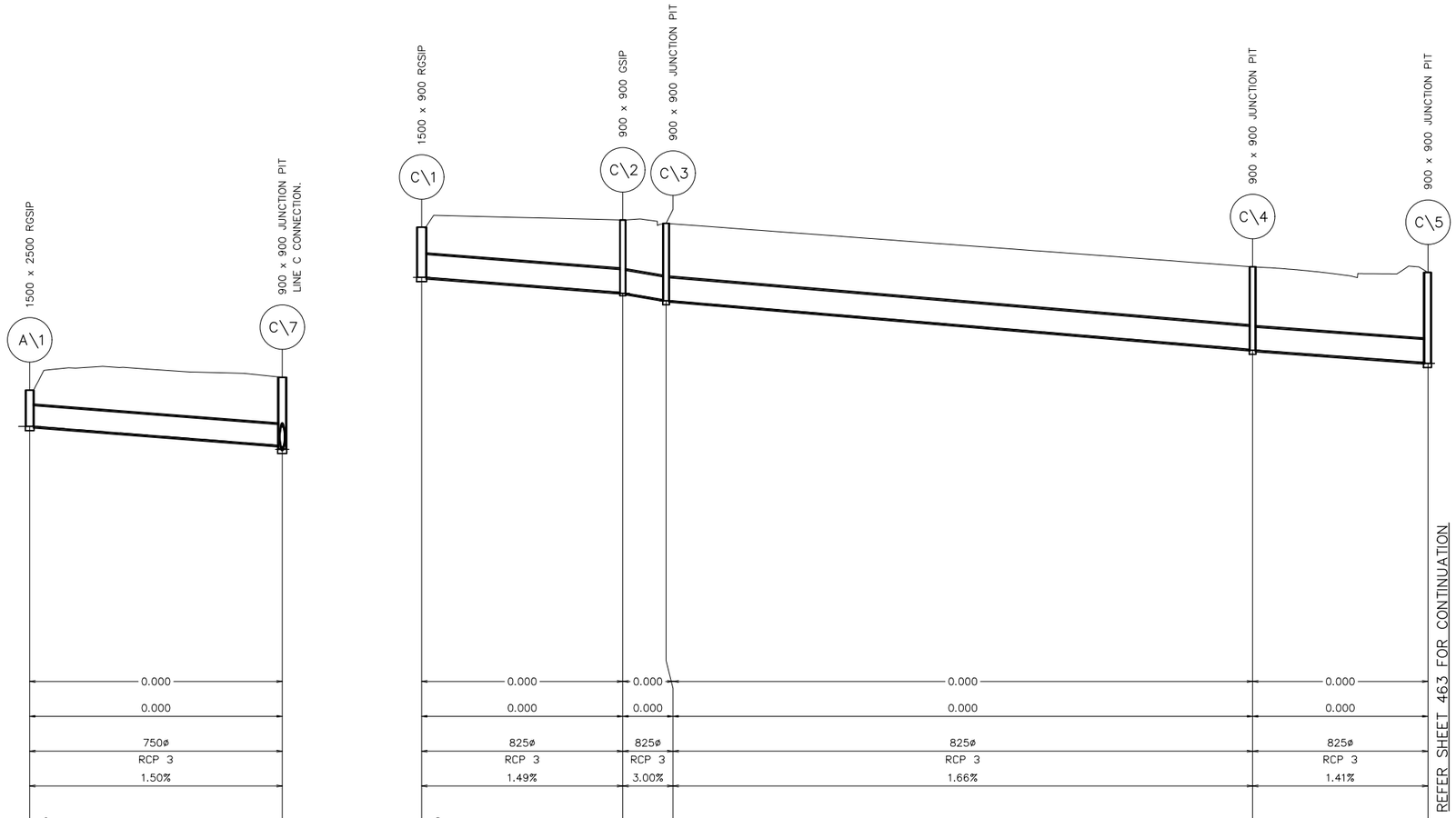
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-463

NOTES:

1. ALL STORMWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH LIVERPOOL CITY COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



LINE A

VELOCITY (m/s)	0.000			
PIPE FLOW (m3/s)	0.000			
PIPE SIZE (mm) & CLASS	750ø RCP 3			
GRADE %	1.50%			
DATUM R.L.	6			
DESIGN SURFACE LEVEL	21.70			22.16
DEPTH SURFACE TO INVERT	1.3			2.44 2.58
H.G.L. LEVELS	20.40			19.72 19.58
INVERT LEVEL	20.40			19.72 19.58
PIPE DISTANCE & PIPE CHAINAGE	0.00	45.29		45.29

LINE C

VELOCITY (m/s)	0.000	0.000	0.000			0.000	
PIPE FLOW (m3/s)	0.000	0.000	0.000			0.000	
PIPE SIZE (mm) & CLASS	825ø RCP 3	825ø RCP 3	825ø RCP 3			825ø RCP 3	
GRADE %	1.49%	3.00%	1.66%			1.41%	
DATUM R.L.	8						
DESIGN SURFACE LEVEL	29.54	29.80	29.68			28.12	27.92
DEPTH SURFACE TO INVERT	1.8	2.6 2.63	2.74 2.77		2.96	2.99	3.23 3.26
H.G.L. LEVELS	27.74	27.21 27.18	26.94 26.91		25.16	25.13	24.69 24.66
INVERT LEVEL	27.74	27.21 27.18	26.94 26.91		25.16	25.13	24.69 24.66
PIPE DISTANCE & PIPE CHAINAGE	0.00	36.08	36.08 7.76	43.84	105.19	149.03	31.45 180.48

LINE C

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES

A1 1:500 0 12.5 25.0m A3 1:1000

A1 1:100 0 2.5 5.0m A3 1:200

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ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER LONGITUDINAL SECTIONS SHEET 43

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	463	E

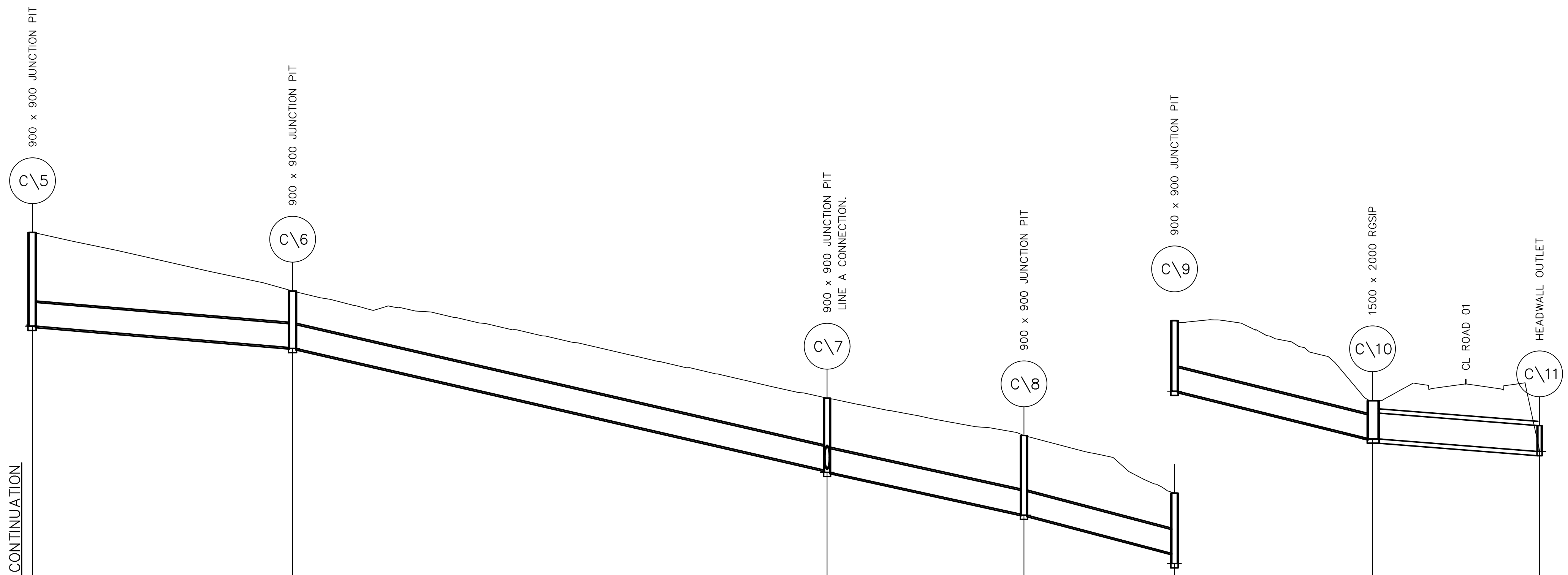
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:55:01PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-463.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOTES:

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2. ALL PITS DEEPER THAN 1.2m TO HAVE STEP IRONS.
3. ALL INTERALLOTMENT DRAINAGE PIPES TO BE UPVC CLASS SN8.



REFER SHEET 462 FOR CONTINUATION

	C\5 – C\6	C\6 – C\7	C\7 – C\8	C\8 – C\9	C\9 – C\10	C\10 – C\11
VELOCITY (m/s)	0.000	0.000	0.000	0.000	0.000	0.000
PIPE FLOW (m3/s)	0.000	0.000	0.000	0.000	0.000	0.000
PIPE SIZE (mm) & CLASS	825ø RCP 3	825ø RCP 3	(2x)825ø RCP 3	(2x)825ø RCP 3	(2x)825ø RCP 3	(3x)1200x900ø BOX CULVERT
GRADE %	1.64%	4.55%	4.26%	5.08%	4.78%	1.50%

DATUM R.L. 2

	C\5		C\6		C\7		C\8		C\9		C\10		C\11
DESIGN SURFACE LEVEL	27.92		25.88		22.16		20.85		18.85		16.07		15.20
DEPTH SURFACE TO INVERT	3.23 / 3.26		1.96 / 1.99		2.51 / 2.58		2.74 / 2.77		2.1 / 2.45		1.32 / 1.33		0.9
H.G.L. LEVELS	24.69 / 24.66		23.92 / 23.89		19.65 / 19.58		18.12 / 18.09		16.75 / 16.40		14.75 / 14.74		14.30
INVERT LEVEL	24.69 / 24.66		23.92 / 23.89		19.65 / 19.58		18.12 / 18.09		16.75 / 16.40		14.75 / 14.74		14.30
PIPE DISTANCE & PIPE CHAINAGE	180.48	45.26	225.74	93.04	318.78	34.26	353.04	26.20	379.24	34.46	413.70	29.09	442.78

LINE C (CONTINUED)

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED ADW Johnson
DATUM GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
STORMWATER LONGITUDINAL SECTIONS
SHEET 44

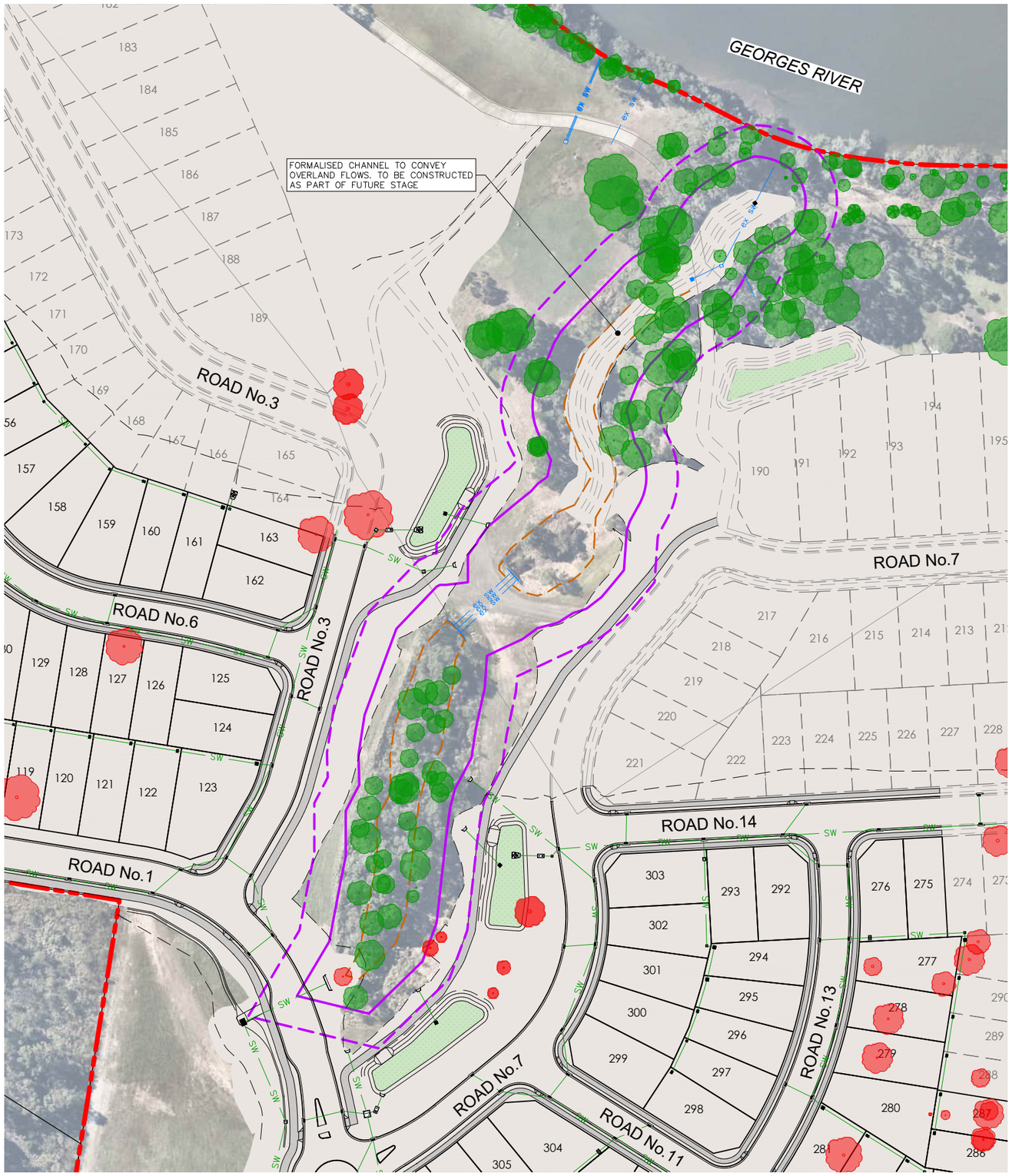
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 464 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:55:09PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–464.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-471



M.G.A.

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED KERB
- FUTURE KERB
- EXTENTS OF BATTER
- SW — PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- TOP OF BANK
- RIPARIAN (10m OFFSET)
- RIPARIAN (20m OFFSET)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- TREE TO REMAIN
- TREE TO BE REMOVED

NOTE:

TREES SHOWN BASED UPON DETAILED SITE SURVEY SHOWING TREES WITH A DIAMETER OF 300mm OR GREATER. REFER TO BDAR FOR FULL EXTENT OF VEGETATION REMOVAL.



KEY PLAN
N.T.S.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:750 — 0 15.0 30.0 37.5m — A3 1:1500

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: RIPARIAN CORRIDOR PLAN

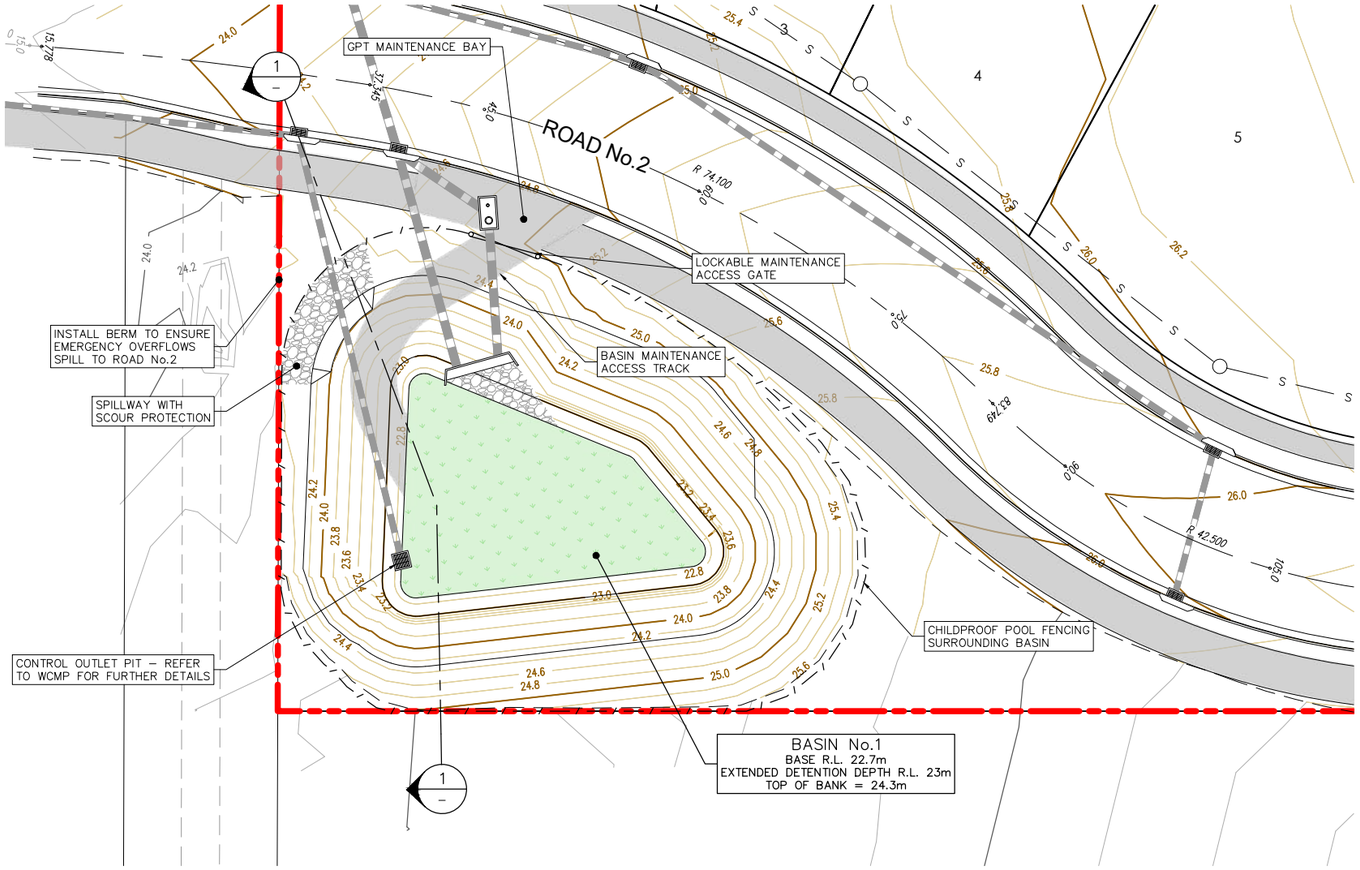
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 471 REV. E

100mm AT FULL SIZE

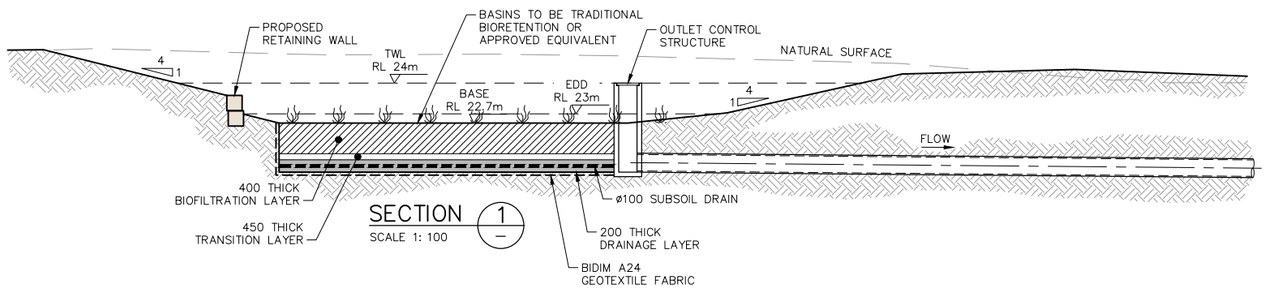
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:55:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-471.DWG

300362-CENG-481



BASIN No.1 DETAIL PLAN
SCALE 1:200



SECTION 1
SCALE 1:100

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex sw)
- FUTURE STORMWATER (FSW)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m



KEY PLAN
N.T.S.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:100 — 0 2.5 5.0m — A3 1:200
A1 1:200 — 0 5.0 10.0m — A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

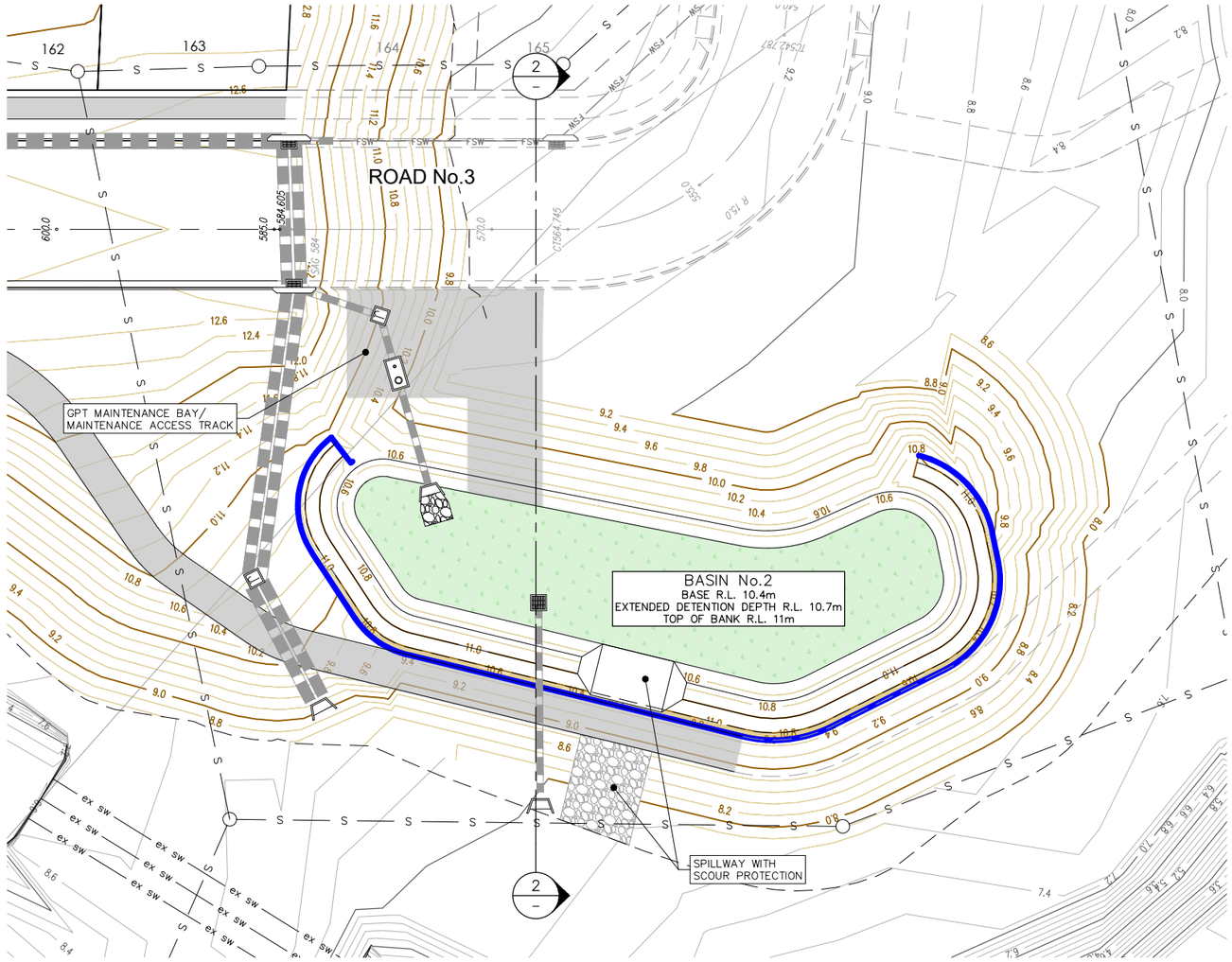
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: BASIN No.1 DETAIL PLAN & TYPICAL SECTION

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 481 | REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

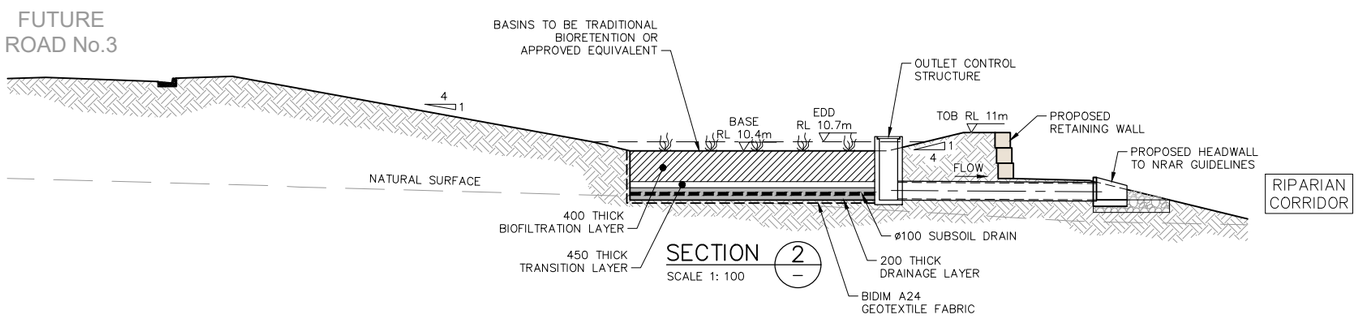
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:55:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-481.DWG

300362-CENG-482



BASIN No.2 DETAIL PLAN

SCALE 1:200



SECTION 2

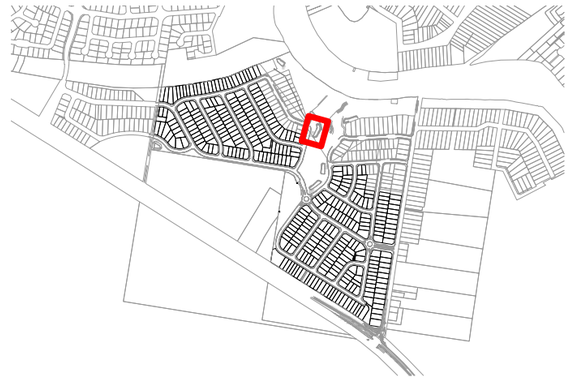
SCALE 1:100

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex sw)
- FUTURE STORMWATER (FSW)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m



KEY PLAN

N.T.S.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES

A1 1:100 — 0 2.5 5.0m — A3 1:200

A1 1:200 — 0 5.0 10.0m — A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: BASIN No.2 DETAIL PLAN & TYPICAL SECTION

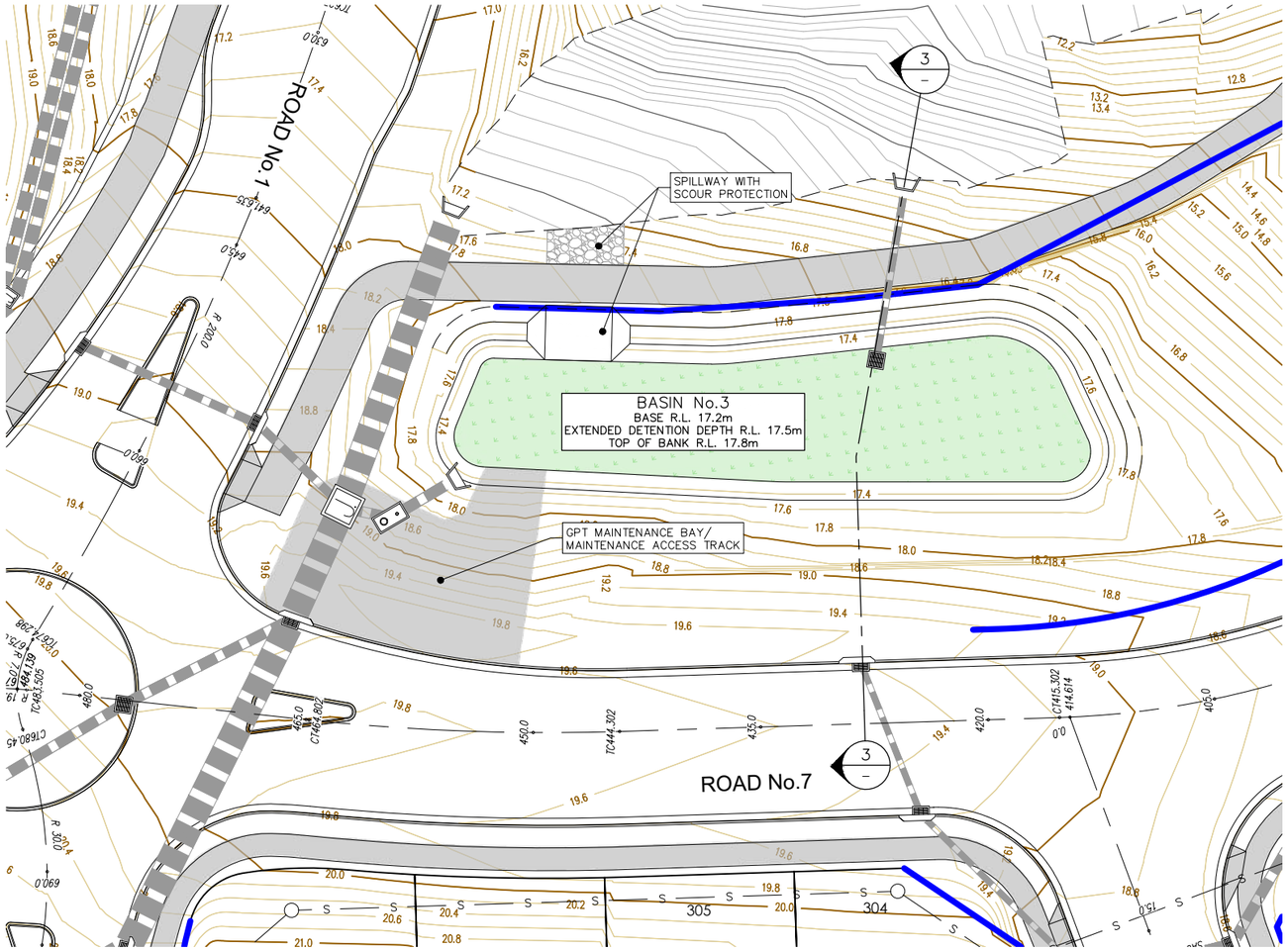
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 482 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:55:54PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-482.DWG

100mm AT FULL SIZE

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300362-CENG-483



BASIN No.3 DETAIL PLAN

SCALE 1:200

LEGEND

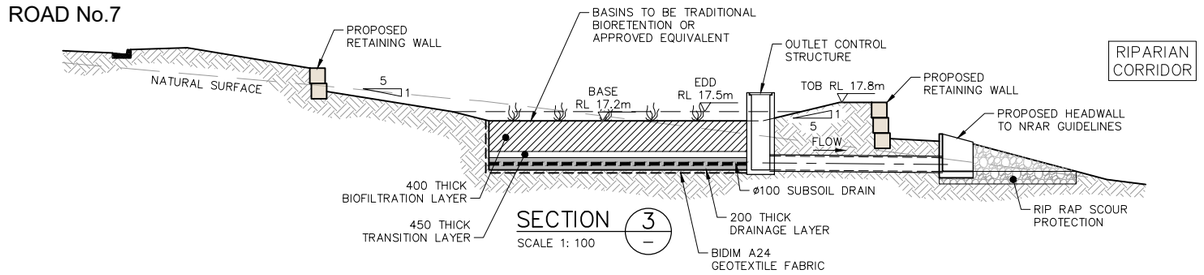
- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex SW)
- FUTURE STORMWATER (FSW)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m



KEY PLAN

N.T.S.



SECTION 3 –

SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:100 — 0 2.5 5.0m — A3 1:200; A1 1:200 — 0 5.0 10.0m — A3 1:400

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adw Johnson
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: BASIN No.3 DETAIL PLAN & TYPICAL SECTION

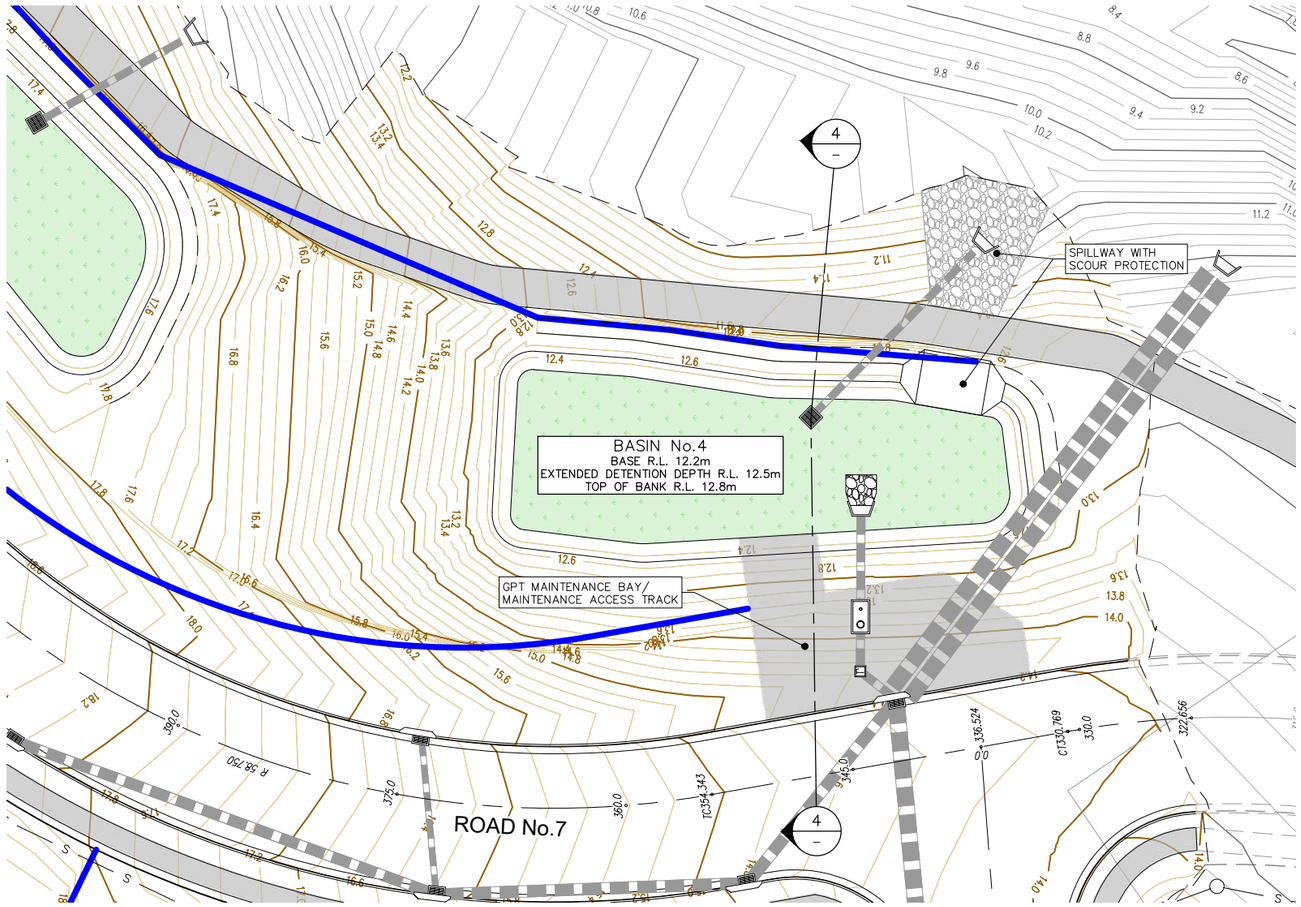
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	483	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:56:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-483.DWG

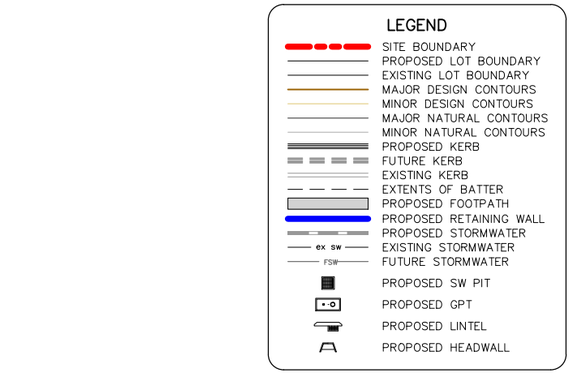
100mm AT FULL SIZE

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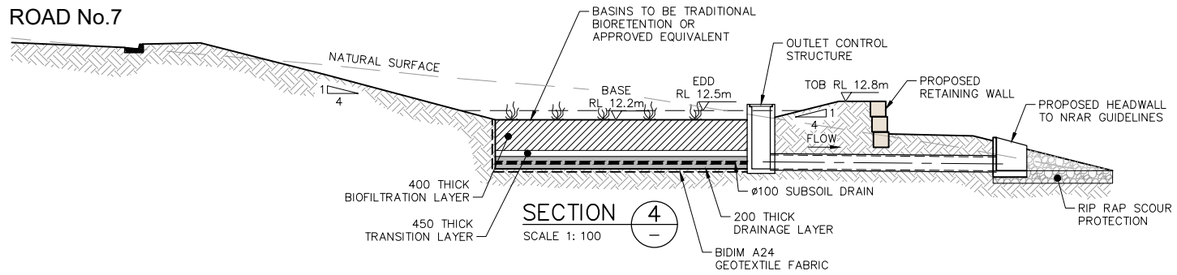
300362-CENG-484



BASIN No.4 DETAIL PLAN
SCALE 1: 200



KEY PLAN
N.T.S.



SECTION 4 – SCALE 1: 100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:100 / A3 1:200; A1 1:200 / A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: BASIN No.4 DETAIL PLAN & TYPICAL SECTION

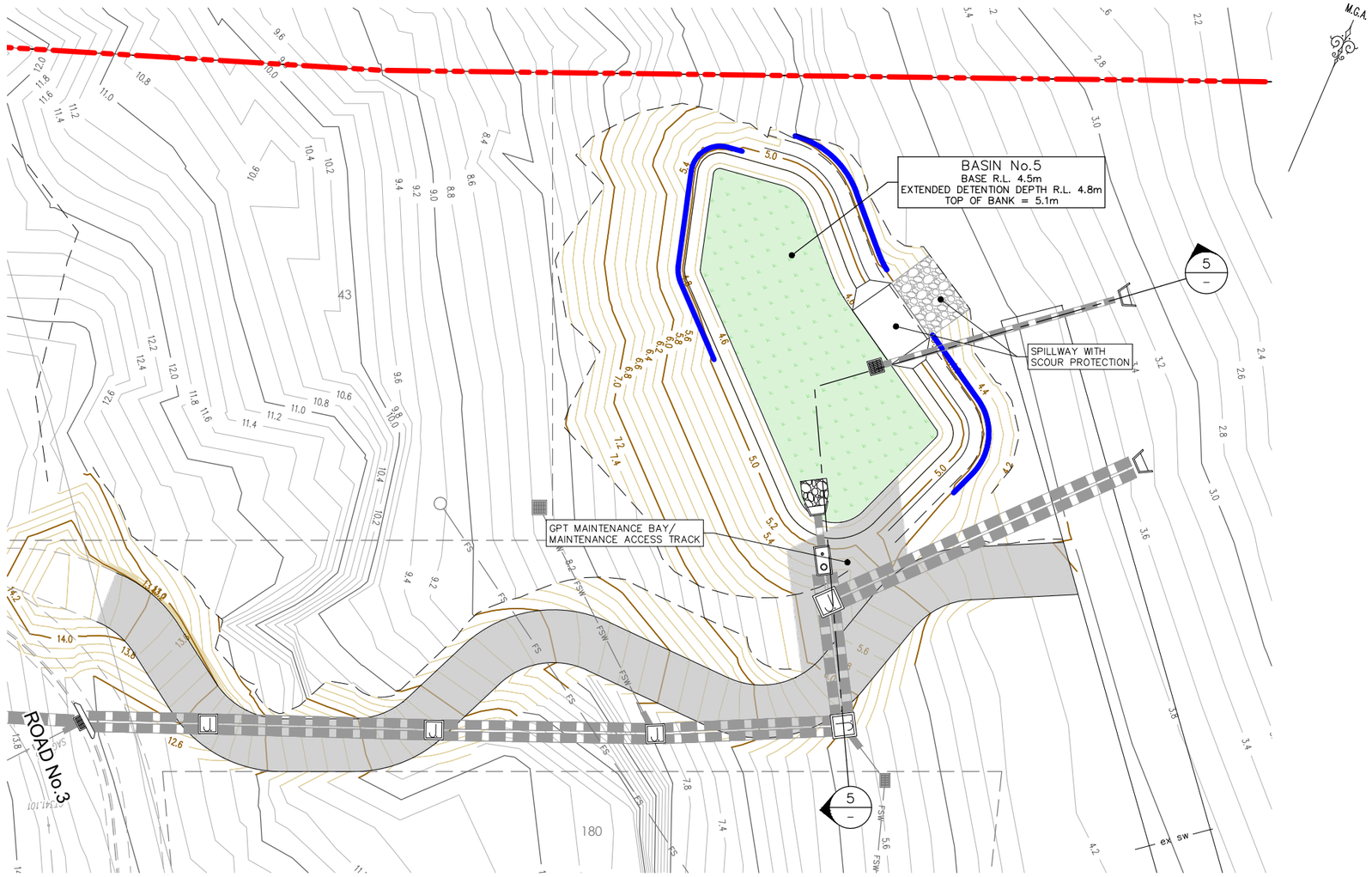
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 484 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:56:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-484.DWG

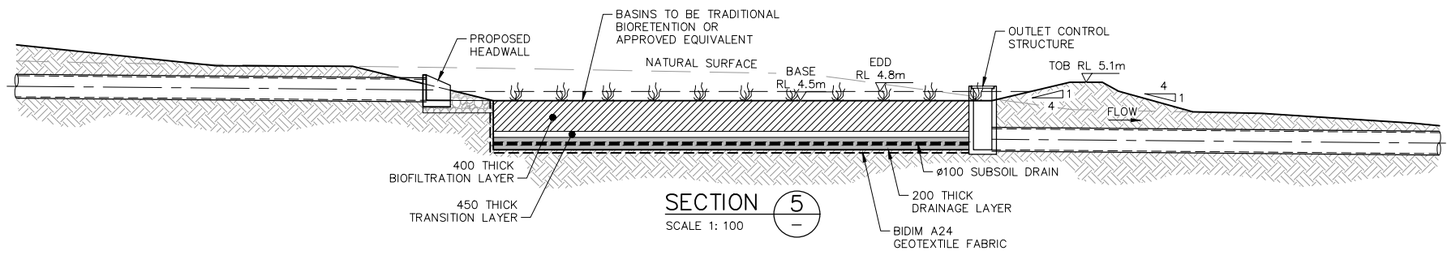
100mm AT FULL SIZE

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300362-CENG-485



BASIN No.5 DETAIL PLAN
SCALE 1:200



SECTION 5 – SCALE 1:100

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- FUTURE KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex sw)
- FUTURE STORMWATER (FSW)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.2m



KEY PLAN
N.T.S.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:100 0 2.5 5.0m A3 1:200
A1 1:200 0 5.0 10.0m A3 1:400

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

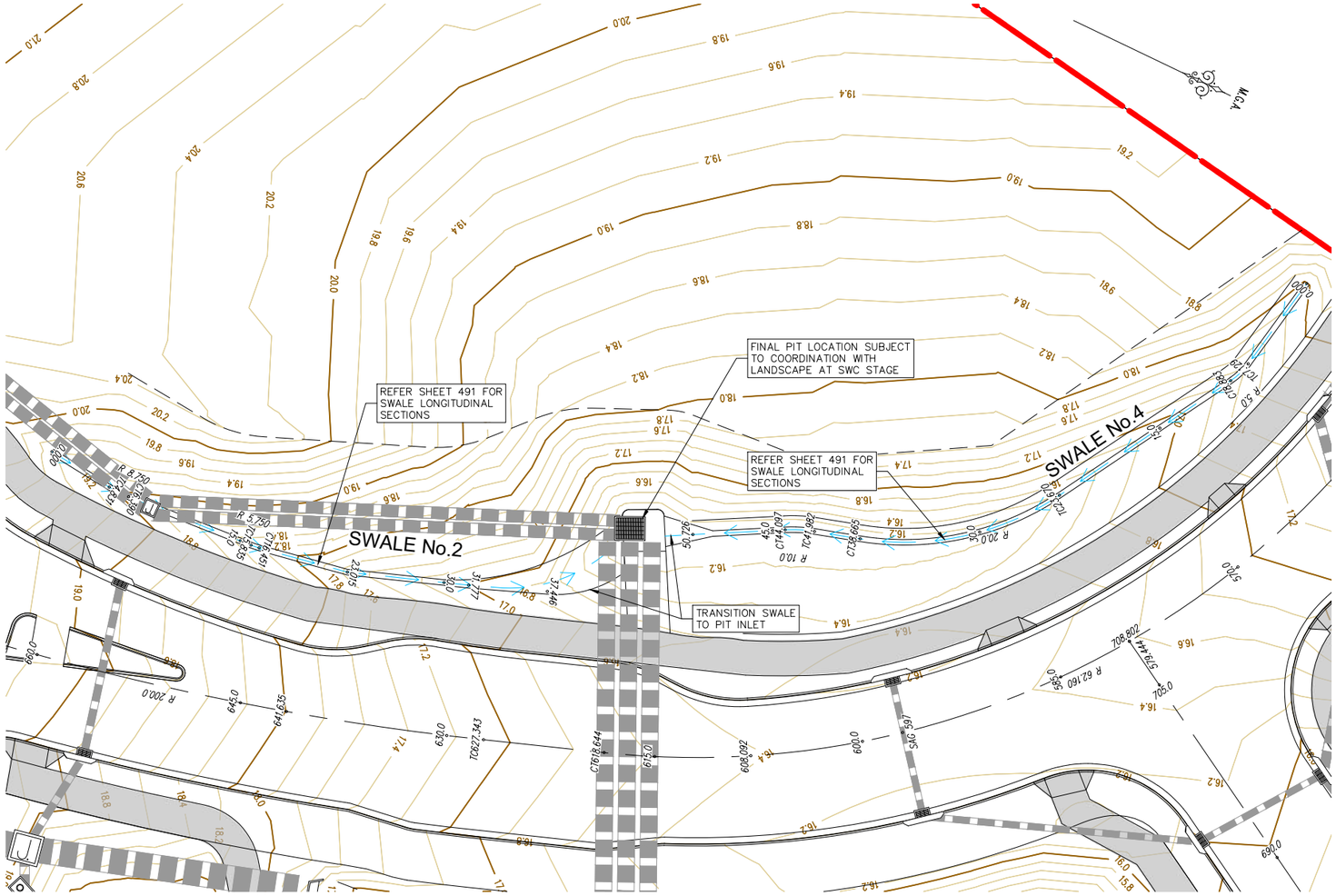
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: BASIN No.5 DETAIL PLAN & TYPICAL SECTION

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 485 REV. E

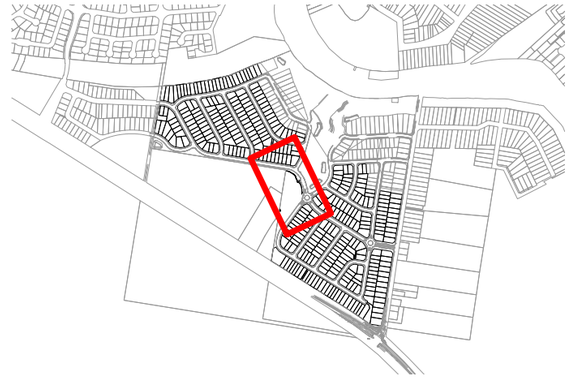
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:56:41PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-485.DWG

300362-CENG-491



SWALE No.2 & No.4 DETAIL PLAN
SCALE 1:200

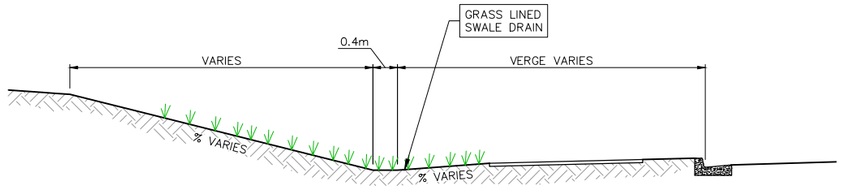


KEY PLAN
N.T.S.

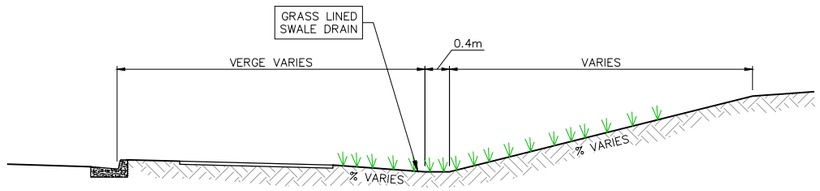
LEGEND

- LIMIT OF WORKS
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- EXTENTS OF BATTER
- TOP OF BANK
- PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- FSW — FUTURE STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

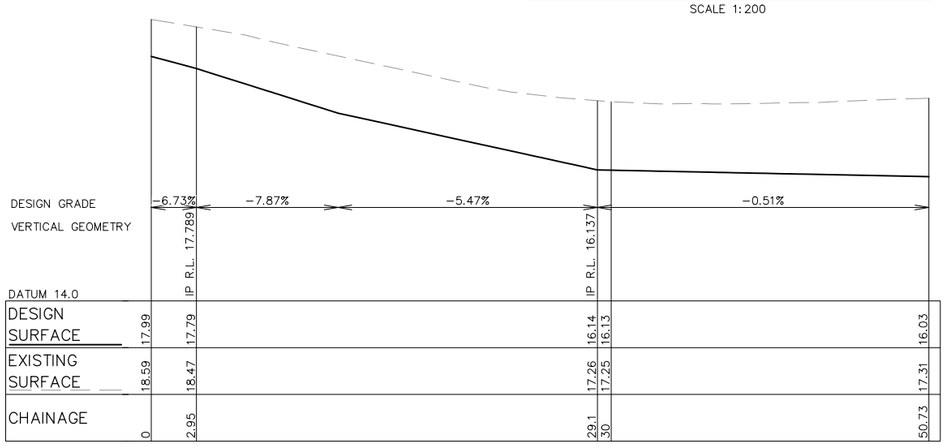
CONTOUR INTERVAL = 0.5m



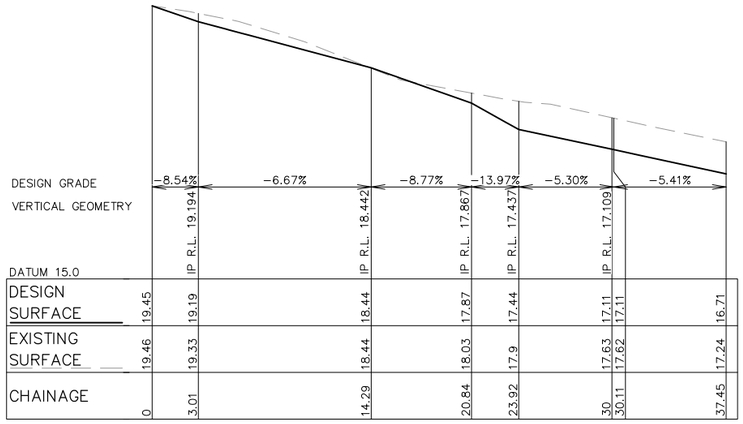
TYPICAL SWALE SECTION – SWALE No.2
SCALE 1:50



TYPICAL SWALE SECTION – SWALE No.4
SCALE 1:50



LONGITUDINAL SECTION SWALE No.4
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50



LONGITUDINAL SECTION SWALE No.2
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50

SWALE No.2 & No.4

V-DRAIN		
CALCULATIONS		
Area	0.58	m^2
Perimeter	3.23	m
Hydraulic Radius	0.11	m
Velocity	1.32	m/s
Flow Width	3.20	m
Velocity-Depth Product	0.28	m^2/s
Discharge	0.478	m^3/s

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:200 — 0, 5.0, 10.0m — A3 1:400
A1 1:50 — 0, 1.25, 2.5 m — A3 1:100

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

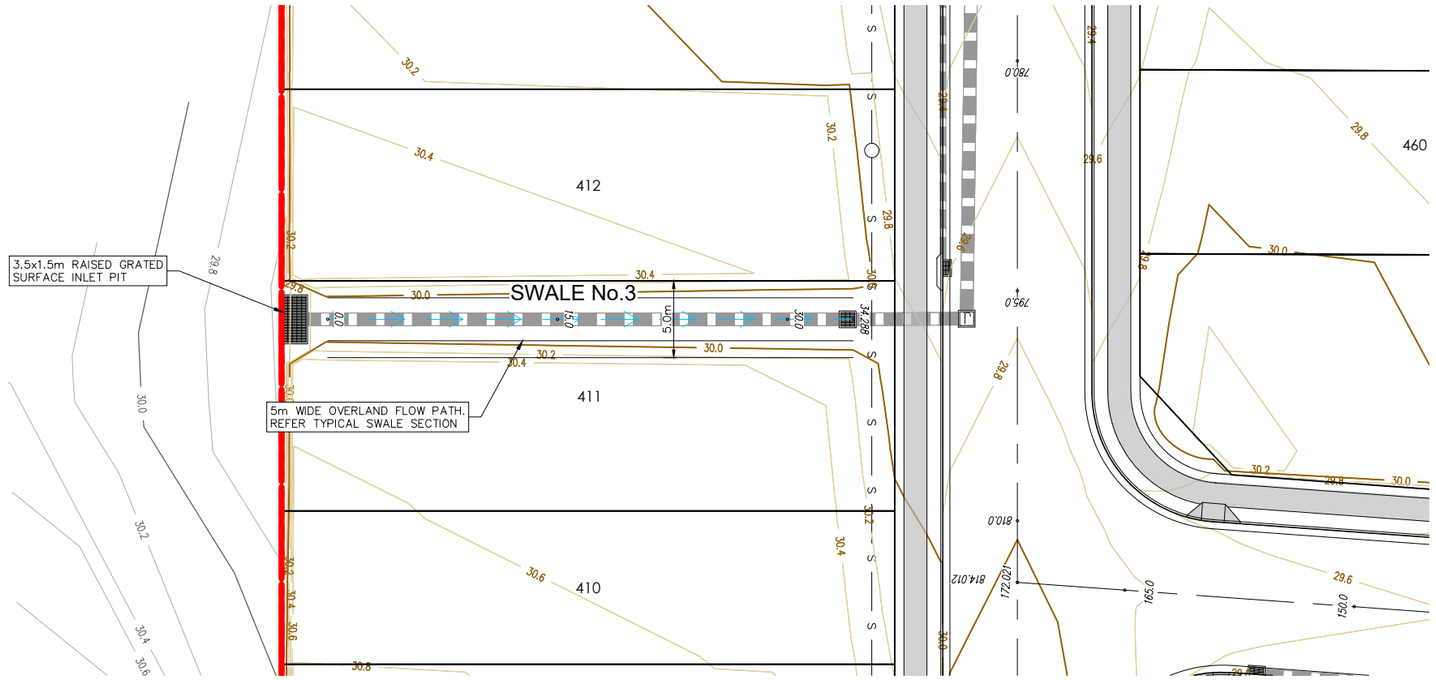
PLAN TITLE: SWALE No.2 & No.4 DETAIL PLAN, LONGITUDINAL SECTIONS & TYPICAL SECTION

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 491 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:56:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-491.DWG

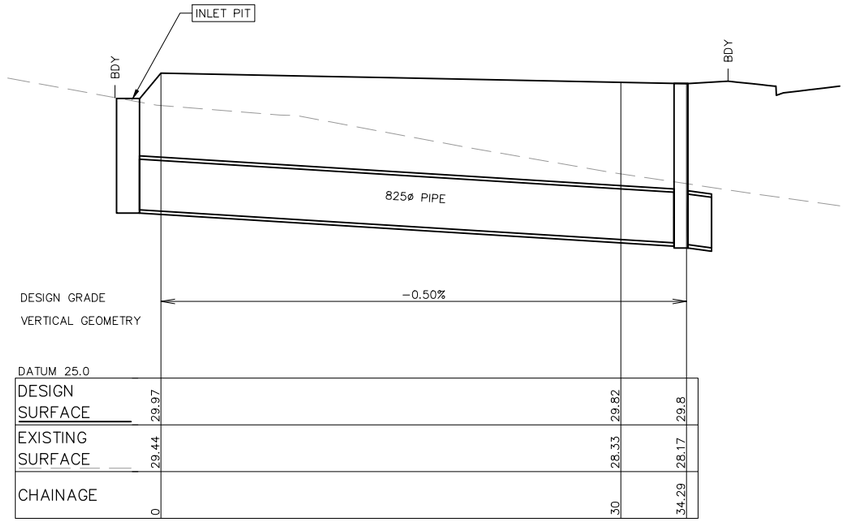
300362-CENG-492



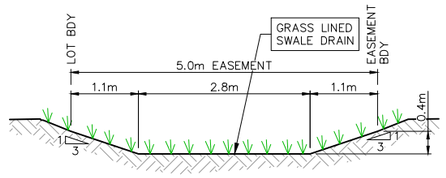
SWALE No.3 DETAIL PLAN
SCALE 1:200



KEY PLAN
N.T.S.



LONGITUDINAL SECTION SWALE No.3
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:50



TYPICAL SWALE SECTION – SWALE No.3
SCALE 1:50

LEGEND

- LIMIT OF WORKS
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- EXTENTS OF BATTER
- TOP OF BANK
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex SW)
- FUTURE STORMWATER (FSW)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 0.5m

M.G.A.

SWALE No.3

V-DRAIN

CALCULATIONS		
Hydraulic Radius	0.28	m
Velocity	0.67	m/s
Flow Width	1.87	m
Velocity-Depth Product	0.32	m^2/s
Discharge	1.24	m^3/s

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:200 (0, 5.0, 10.0m) A3 1:400; A1 1:50 (0, 1.25, 2.5 m) A3 1:100

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804, HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SWALE No.3 DETAIL PLAN, LONGITUDINAL SECTION & TYPICAL SECTION

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	492	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-492.DWG

300362-CENG-501



CUT/FILL VOLUMES

CUT:	152,195m³
FILL:	97,060m³
SURPLUS OF MATERIAL:	55,135m³

LEGEND

- SITE BOUNDARY
- STAGE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

STOCKPILE VOLUMES:

STOCKPILE 1: 670m³
STOCKPILE 2: 160m³
STOCKPILE 3: 6502m³
STOCKPILE 4: 36m³
STOCKPILE 5: 161m³
STOCKPILE 6: 223m³
ROCK STOCKPILE 7: 679m³
STOCKPILE 8: 466m³
ROCK STOCKPILE 9: 224m³
STOCKPILE 10: 227m³
STOCKPILE 11: 19m³
STOCKPILE 12: 30m³
STOCKPILE 13: 1.6m³
STOCKPILE 14: 20m³
STOCKPILE 15: 9m³
STOCKPILE 16: 6m³

TOTAL SOIL VOLUME: 8,530m³

TOTAL ROCK STOCKPILE VOLUME: 903m³

TOTAL STOCKPILE VOLUME: 9433m³

OVERALL SITE REGRADE PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2500 | 0 50 100 125m | A3 1:5000

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

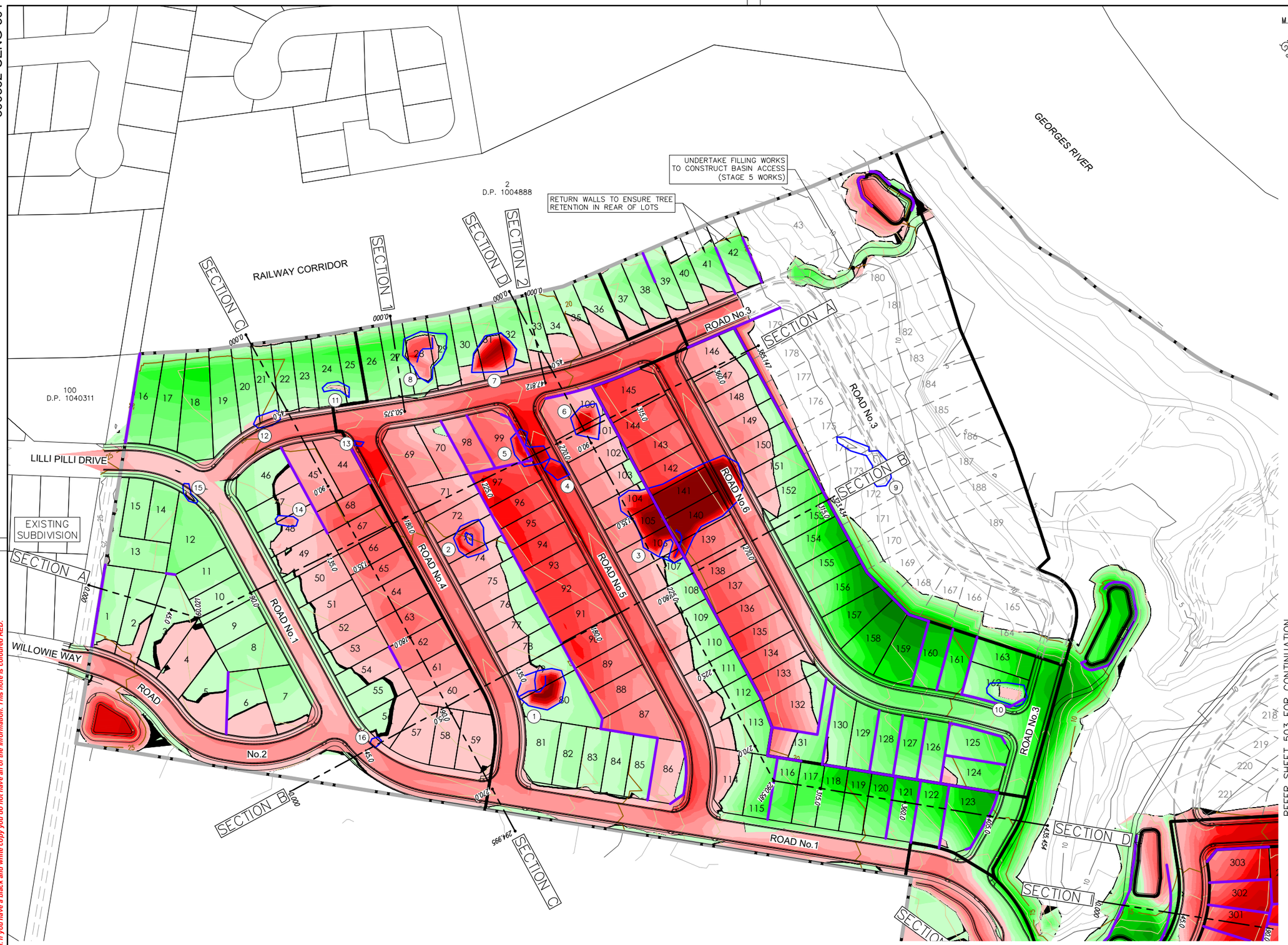
PLAN TITLE: OVERALL SITE REGRADE PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 501 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-501.DWG

300362-CENG-501



SITE REGRADE PLAN

SCALE 1:1000

M.G.A.

LEGEND

- SITE BOUNDARY
- STAGE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

REFER SHEET 503 FOR CONTINUATION

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

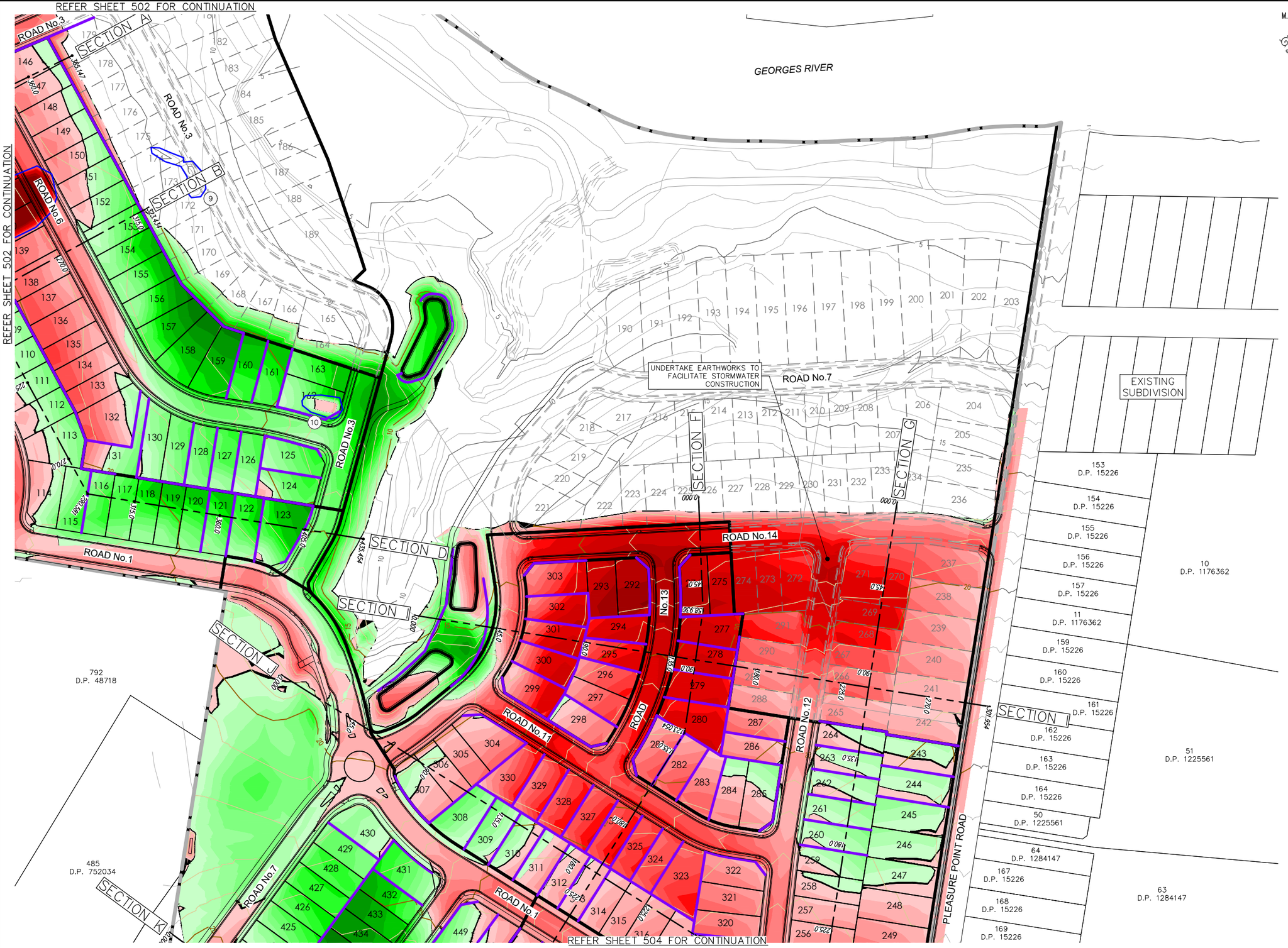
PLAN TITLE: SITE REGRADE PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 502 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:30PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-501.DWG

300362-CENG-501

REFER SHEET 502 FOR CONTINUATION



REFER SHEET 504 FOR CONTINUATION

M.G.A.

LEGEND

- SITE BOUNDARY
- STAGE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

SITE REGRADE PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE REGRADE PLAN SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 503 REV. E

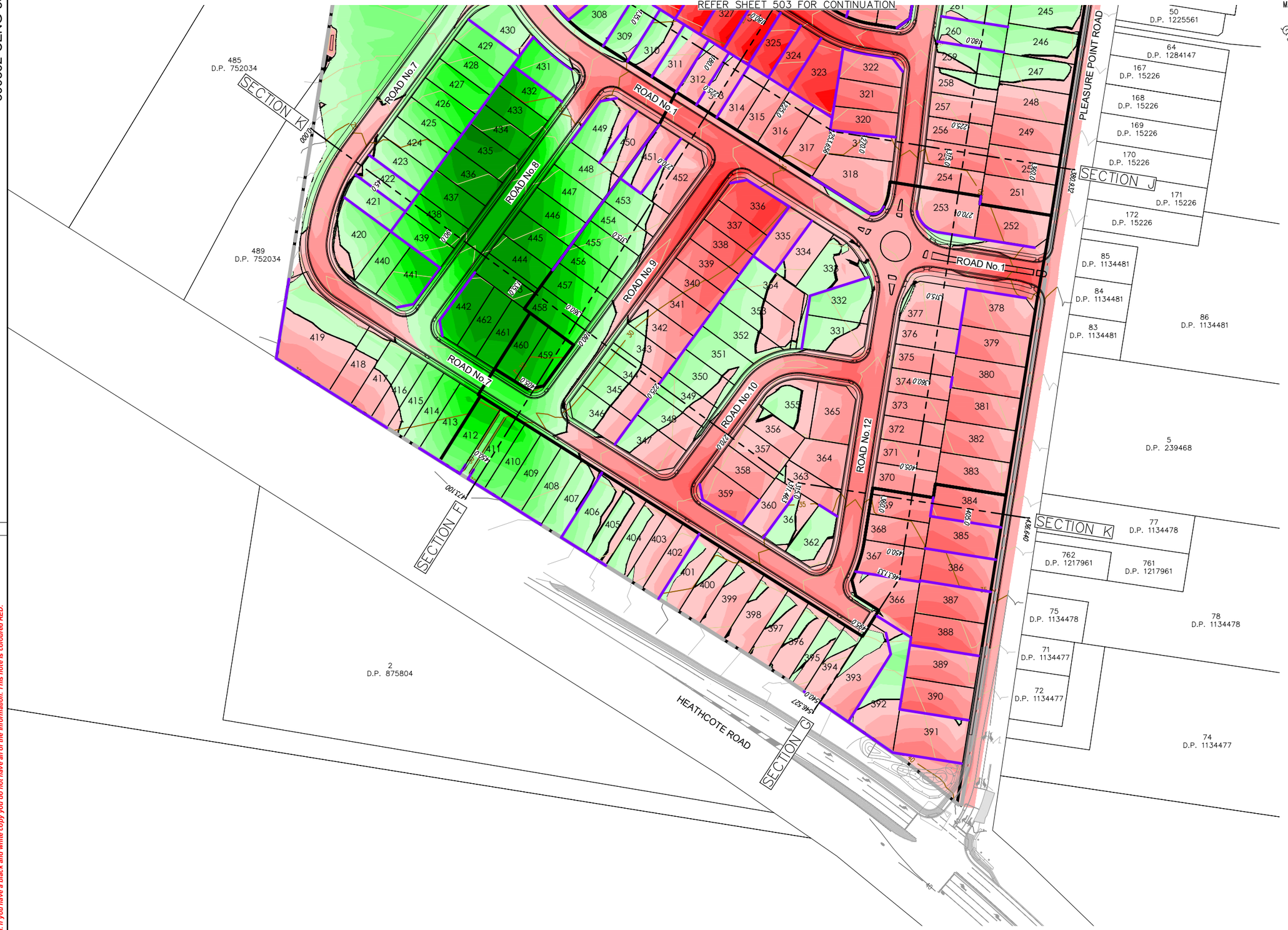
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:35PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-501.DWG

100mm AT FULL SIZE

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300362-CENG-501

REFER SHEET 503 FOR CONTINUATION



M.G.A.

LEGEND

- SITE BOUNDARY
- STAGE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

SITE REGRADE PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0, 25, 50m — A3 1:2000

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5 Pioneer Avenue,
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Phone: (02) 4305 4300
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email: coast@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE REGRADE PLAN SHEET 3

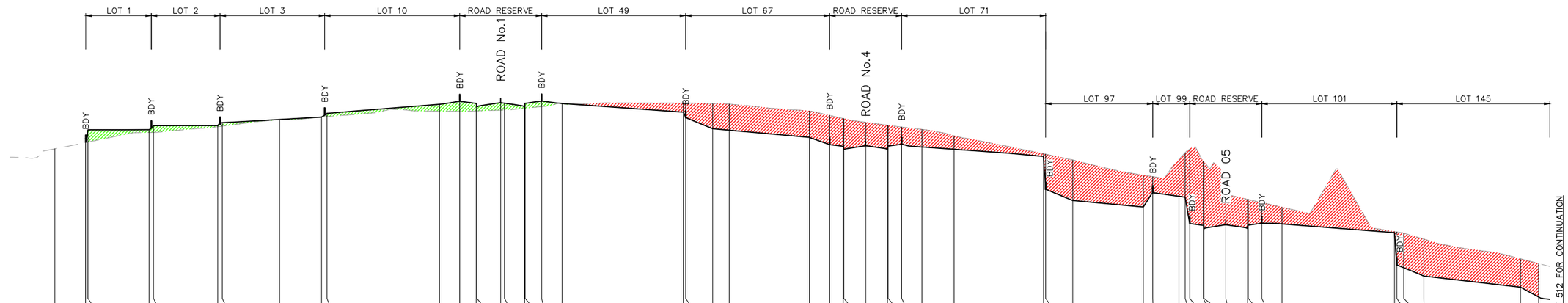
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	504	E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:40PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-501.DWG

300362-CENG-511



DATUM 15.0

CHAINAGE	0	6.85	7.38	20.96	21.96	36.25	37.24	50	59.31	60.52	85.55	90.05	93.7	93.85	99.16	100	104.46	104.62	108.27	112.83	139.8	140.3	146.31	150	167.83	172.33	175.33	175.48	180.34	185.19	185.34	188.35	192.85	200	219.88	220.38	226.38	242.09	244.19	250	251.39	252.41	255.43	255.56	260.42	265.27	265.42	268.43	272.93	297.95	298.45	300	304.46	325.98	330
CUT/FILL	0	−0	0.55	0.12	0.3	0.05	0.16	0.02	−0	0.14	0.3	0.45	0.33	0.18	0.33	0.3	0.07	0.22	0.25	0.02	−0.41	−0.64	−1.12	−1.16	−1.17	−1.3	−1.24	−1.38	−1.04	−1.08	−0.92	−0.76	−0.78	−0.62	−0.12	−1.56	−1.8	−1.42	−0.72	−1.65	−1.98	−3.31	−2.85	−2.97	−1.91	−1.3	−1.14	−0.92	−0.74	−0.05	−1.46	−1.54	−1.64	−1.27	−1.49
EXISTING SURFACE	24.64	24.92	24.94	25.37	25.37	25.63	25.65	25.94	26.06	26.08	26.32	26.31	26.33	26.33	26.36	26.37	26.45	26.45	26.52	26.64	26.68	26.68	26.66	26.63	26.33	26.13	25.99	25.99	25.83	25.69	25.69	25.61	25.51	25.23	24.43	24.4	24.15	23.48	23.41	24.18	24.47	24.63	24.09	24.06	23.18	22.4	22.39	22.26	22.05	20.97	20.95	20.9	20.63	19.76	19.55
DESIGN SURFACE		25.49		25.5	25.67	25.68	25.81	25.95	26.06	26.22	26.62	26.76	26.66	26.51	26.7	26.67	26.52	26.67	26.77	26.66	26.27	26.04	25.54	25.47	25.15	24.83	24.75	24.61	24.78	24.61	24.77	24.77	24.85	24.73	24.62		24.31	22.85	22.35	22.06	22.69	22.53	22.49	21.32	21.24	21.09	21.27	21.1	21.25	21.34	21.31	20.92	19.49	19.36	18.99	18.49	18.06

SITE SECTION A – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

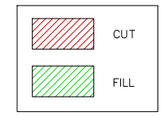
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

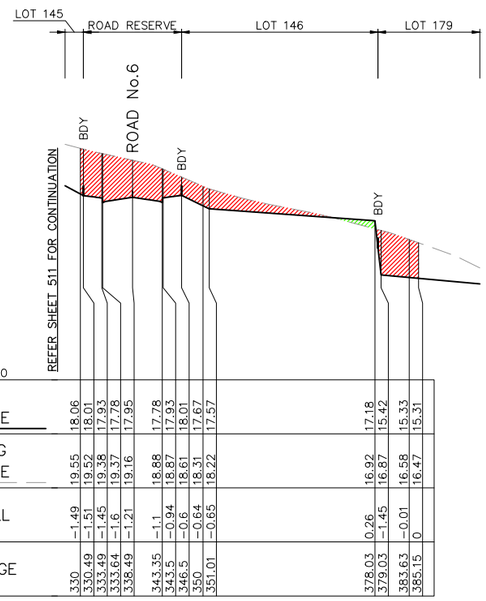
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 511 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:46PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-511.DWG

300362-CENG-512





DATUM 12.0												
DESIGN SURFACE	18.06	18.01	17.93	17.78	17.78	17.93	18.01	17.67	17.57	17.18	15.42	15.33	15.31
EXISTING SURFACE	19.55	19.52	19.38	19.37	19.16	18.88	18.87	18.61	18.31	18.22	16.92	16.87	16.58	16.47
CUT/FILL	−1.49	−1.51	−1.45	−1.6	−1.21	−1.1	−0.94	−0.6	−0.64	−0.65	0.26	−1.45	−0.01	0
CHAINAGE	330	330.49	333.49	333.64	338.49	343.35	343.5	346.5	350	351.01	378.03	379.03	383.63	385.15

SITE SECTION A – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

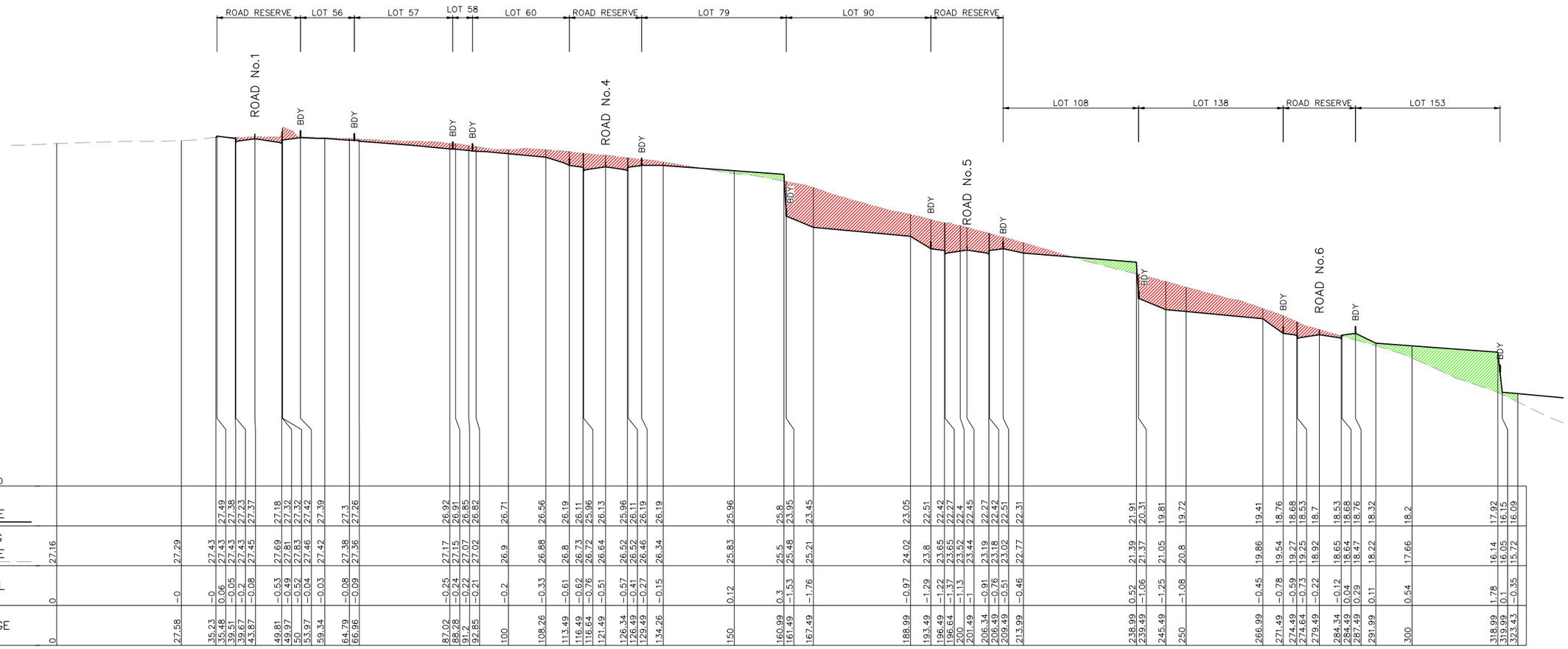
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 512 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:51PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-512.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-513



DATUM 12.0

CHAINAGE	0	27.58	35.23	35.48	39.51	39.67	43.87	49.81	49.97	50	53.97	59.34	64.79	66.96	87.02	88.28	91.2	92.85	100	108.26	113.49	116.49	116.64	121.49	126.34	126.49	129.49	134.26	150	160.99	161.49	167.49	188.99	193.49	196.49	196.64	200	201.49	206.34	206.49	209.49	213.99	238.99	239.49	245.49	250	265.99	271.49	274.49	274.64	279.49	284.34	284.49	287.49	291.99	300	318.99	319.99	324.43
CUT/FILL	0	−0	−0	0.06	−0.05	−0.2	−0.08	−0.53	−0.49	−0.52	−0.04	−0.03	−0.08	−0.09	−0.25	−0.24	−0.22	−0.21	−0.2	−0.33	−0.61	−0.62	−0.76	−0.51	−0.57	−0.41	−0.27	−0.15	0.12	0.3	−1.53	−1.76	−0.97	−1.29	−1.22	−1.37	−1.13	−1	−0.91	−0.76	−0.51	−0.46	0.52	−1.06	−1.25	−1.08	−0.45	−0.78	−0.59	−0.73	−0.22	−0.12	0.04	0.29	0.11	0.54	1.78	0.1	−0.35
EXISTING SURFACE	27.16	27.29	27.43	27.43	27.43	27.43	27.45	27.69	27.81	27.83	27.46	27.42	27.38	27.36	27.17	27.15	27.07	27.02	26.9	26.88	26.8	26.73	26.72	26.64	26.52	26.52	26.46	26.34	25.83	25.5	25.48	25.21	24.02	23.8	23.65	23.65	23.52	23.44	23.19	23.18	23.02	22.77	21.39	21.37	21.05	20.8	19.86	19.54	19.27	19.25	18.92	18.65	18.64	18.47	18.22	17.66	16.14	16.05	15.72
DESIGN SURFACE			27.43	27.49	27.38	27.23	27.37	27.18	27.32	27.32	27.42	27.39	27.3	27.26	26.92	26.91	26.85	26.82	26.71	26.56	26.19	26.11	25.96	26.13	25.96	26.11	26.19	26.19	25.96	25.8	23.95	23.45	23.05	22.51	22.42	22.27	22.4	22.45	22.27	22.42	22.51	22.31	21.91	20.31	19.81	19.72	19.41	18.76	18.68	18.53	18.7	18.53	18.68	18.76	18.32	18.2	17.92	16.15	16.09

SITE SECTION B

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

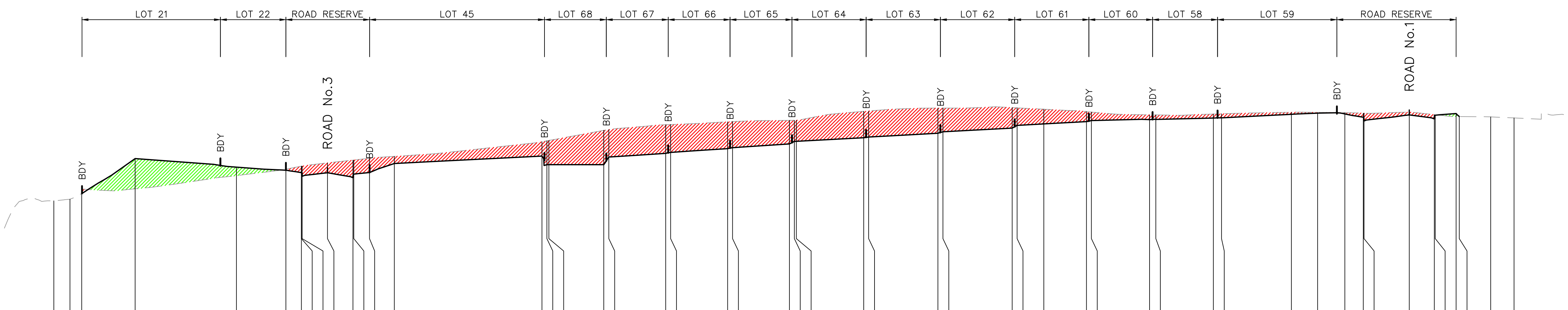
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 513 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:57:57PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-513.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-514



DATUM 19.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		23.53	0
3.24		23.59	0
5.62		23.81	0
16.41	25.24	24.01	1.23
36.89	24.89	24.54	0.35
46.87	24.77	24.81	-0.04
50	24.67	24.93	-0.26
50.01	24.67	24.93	-0.26
50.16	24.55	24.93	-0.41
55.27	24.66	25.06	-0.4
60.43	24.48	25.17	-0.71
60.59	24.61	25.18	-0.57
63.77	24.67	25.24	-0.57
68.78	25.04	25.32	-0.29
98.6	25.33	25.91	-0.58
99.6	24.99	25.95	-0.96
100	24.99	25.97	-0.98
111.1	24.99	26.38	-1.39
112.1	25.3	26.4	-1.11
123.59	25.45	26.6	-1.16
124.6	25.49	26.61	-1.13
136.1	25.64	26.72	-1.08
137.11	25.67	26.73	-1.06
148.6	25.83	26.78	-0.95
149.6	25.93	26.78	-0.85
150	25.93	26.78	-0.85
163.6	26.08	27.14	-1.06
164.61	26.11	27.16	-1.05
178.6	26.26	27.27	-1.02
179.6	26.32	27.27	-0.96
193.6	26.47	27.29	-0.83
194.6	26.58	27.28	-0.71
200	26.63	27.23	-0.59
208.6	26.73	27.13	-0.4
209.6	26.77	27.11	-0.34
221.34	26.81	27	-0.19
222.61	26.82	27	-0.18
234.24	26.87	27.03	-0.16
235.88	26.88	27.04	-0.16
250	27.02	27.1	-0.09
255.3	27.07	27.1	-0.03
260.8	27.04	27.09	-0.05
264.53	26.9	27.07	-0.17
264.68	26.75	27.07	-0.32
273.81	27	27.11	-0.11
278.88	26.87	27.01	-0.17
279.07	26.99	27.01	-0.02
283.29	27.05	26.93	0.12
283.92	26.93	26.93	0
290.27		26.92	0
294.99		26.88	0

SITE SECTION C

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

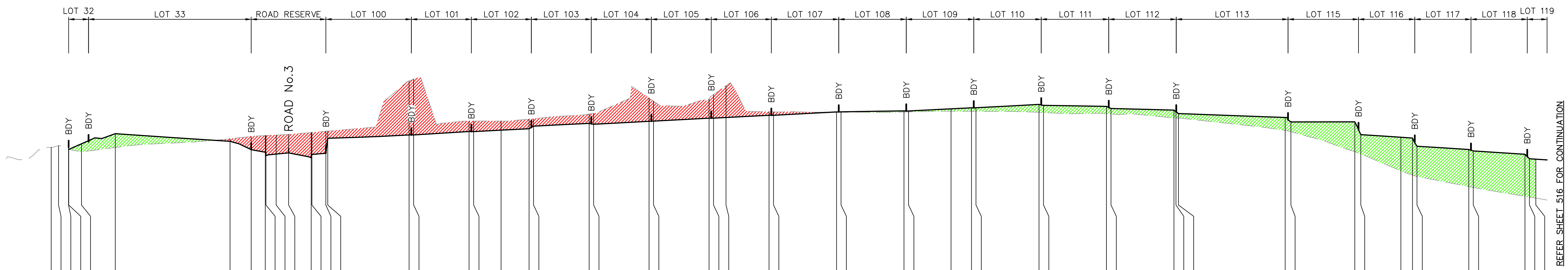
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 514 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:02PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-514.DWG

300362-CENG-515



DATUM 15.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		20.56	0
1.64		20.63	0
3.86		20.63	0
3.91		20.47	0
6.74	20.72	20.36	0.36
14.25	21.17	20.55	0.61
39.76	20.83	20.94	−0.11
44.46	20.46	21.04	−0.58
47.59	20.34	21.08	−0.74
47.74	20.19	21.08	−0.89
50	20.26	21.1	−0.86
52.77	20.31	21.13	−0.82
57.79	20.09	21.22	−1.12
57.96	20.24	21.22	−0.98
61.06	20.31	21.27	−0.97
61.48	20.96	21.28	−0.32
79.56	21.11	23.51	−2.4
80.56	21.11	23.58	−2.47
92.89	21.26	21.72	−0.46
93.89	21.26	21.72	−0.46
100	21.32	21.72	−0.4
106.22	21.39	21.81	−0.42
107.22	21.5	21.82	−0.32
119.57	21.62	22.04	−0.41
120.57	21.59	22.07	−0.48
132.89	21.71	22.74	−1.03
133.89	21.73	22.61	−0.88
146.22	21.85	22.71	−0.86
147.22	21.85	22.9	−1.05
150	21.88	23.3	−1.41
159.56	21.98	22.14	−0.15
160.56	21.98	22.13	−0.15
174.56	22.13	22.12	0.01
175.56	22.13	22.12	0.01
189.56	22.18	22.13	0.05
190.56	22.17	22.13	0.04
200	22.27	22.16	0.11
204.56	22.32	22.16	0.16
205.56	22.32	22.16	0.16
219.56	22.46	22.11	0.35
220.56	22.42	22.1	0.32
234.56	22.38	22.05	0.32
235.56	22.28	22.04	0.24
249.56	22.21	21.86	0.35
250	22.15	21.86	0.29
250.56	22.06	21.86	0.2
274.29	21.88	21.31	0.57
275.56	21.69	21.25	0.43
289.76	21.69	20.37	1.34
291.08	21.12	20.27	0.86
300	21.01	19.52	1.49
302.58	20.97	19.33	1.65
303.58	20.61	19.27	1.35
315.08	20.46	18.82	1.64
316.08	20.4	18.78	1.62
327.58	20.25	18.39	1.87
328.58	20.05	18.35	1.7
330	20.03	18.31	1.73

CUT
FILL

SITE SECTION D – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT
PROPOSED SUBDIVISION

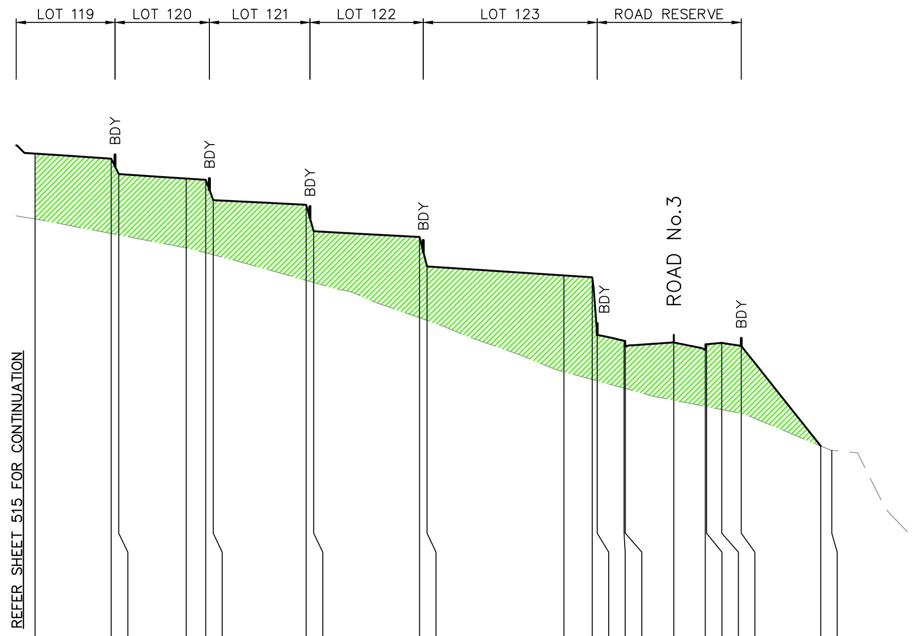
PLAN TITLE
SITE SECTION
SHEET 5

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362 –	CENG –	515	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:07PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–515.DWG

300362-CENG-516

CUT
FILL



DATUM 7.0

DESIGN SURFACE	20.03	19.9	19.49	19.38	19.34	18.8	18.68	17.98	17.83	17.05	16.81	16.77	15.25	15.09	14.93	15.04	14.9	14.99	15.03	14.95		
EXISTING SURFACE	18.31	17.92	17.89	17.54	17.42	17.36	16.69	16.63	15.7	15.63	14.27	14.07	14.03	13.84	13.83	13.52	13.36	13.35	13.27	13.17	12.31	12.19
CUT/FILL	1.73	1.98	1.61	1.84	1.93	1.44	2	1.36	2.14	1.43	2.55	2.7	1.22	1.25	1.1	1.53	1.49	1.64	1.76	1.78	0	0
CHAINAGE	330	340.08	341.08	350	352.58	353.58	365.88	366.88	380.88	381.88	400	403.73	404.4	407.97	408.14	414.55	418.71	418.87	420.88	423.47	433.98	435.45

SITE SECTION D – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

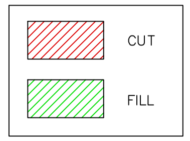
PROJECT
PROPOSED SUBDIVISION

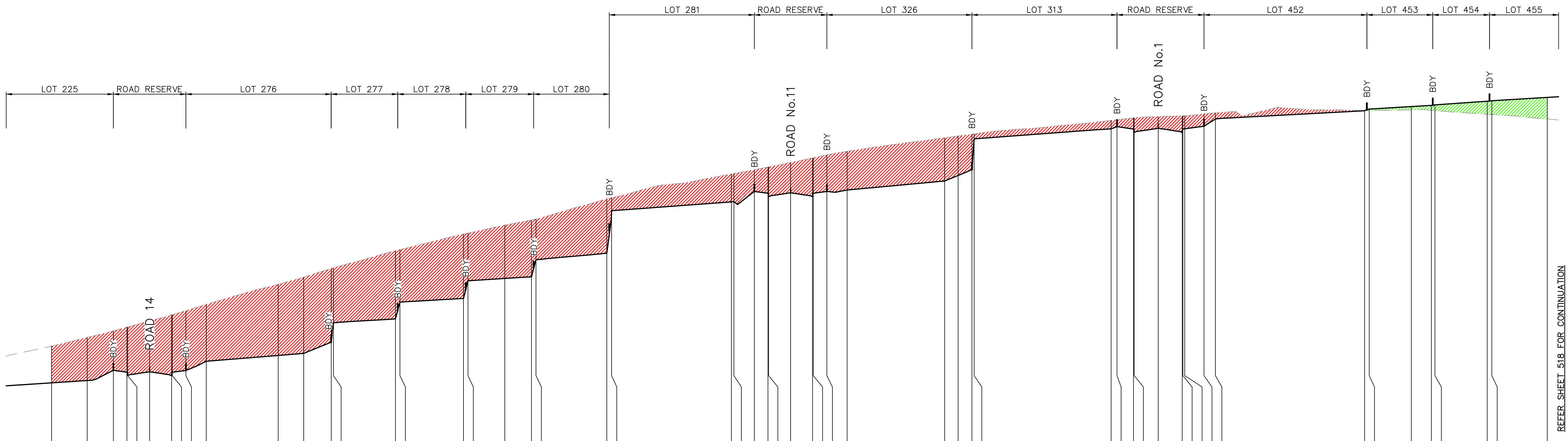
PLAN TITLE
SITE SECTION
SHEET 6

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 516 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:12PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–516.DWG

300362-CENG-517





DATUM 14.0

DESIGN SURFACE	16.68	16.78	17.23	17.15	17	17.17	17	17.15	17.23	17.64	17.89	17.98	18.48	19.33
EXISTING SURFACE	18.3	18.68	18.97	19.14	19.15	19.41	19.67	19.68	19.86	20.14	21.03	21.34	21.72	21.76
CUT/FILL	0	−0	−1.74	−1.99	−2.15	−2.24	−2.68	−2.54	−2.64	−2.51	−3.14	−3.36	−3.25	−2.42
CHAINAGE	0	7.86	13.64	16.64	16.79	21.64	26.49	26.64	29.64	34.14	50	55.64	61.7	62.21

DESIGN SURFACE	19.51	20.24	20.41	21.19	21.29	21.36	22.11	22.4	24.28	24.67	24.67	25.13	25.05	24.9
EXISTING SURFACE	22.51	22.56	23.24	23.29	23.64	23.86	23.9	24.8	24.85	25.89	25.91	26.08	26.2	26.21
CUT/FILL	−3.03	−2.31	−2.84	−2.1	−2.35	−2.5	−1.79	−2.39	−0.57	−1.23	−1.24	−0.95	−1.15	−1.31
CHAINAGE	75.87	76.87	90.87	91.87	100	105.87	106.87	122.5	123.55	150	150.55	155.05	158.05	158.2

DESIGN SURFACE	25.07	24.9	25.05	25.13	25.19	25.59	25.83	26.09	27.45	27.89	27.99	27.88	27.73	27.91
EXISTING SURFACE	26.4	26.6	26.61	26.73	26.89	27.49	27.57	27.65	27.66	28.26	28.29	28.37	28.37	28.43
CUT/FILL	−1.33	−1.71	−1.56	−1.61	−1.71	−1.91	−1.74	−1.56	−0.21	−0.37	−0.3	−0.49	−0.65	−0.51
CHAINAGE	163.05	167.9	168.05	171.05	175.52	197.05	200	203.05	203.55	233.78	235.05	238.7	238.85	244.15

DESIGN SURFACE	27.73	27.88	27.89	28	28.32	28.69	28.76	28.87	28.93	28.95	29.11	29.13	29.28
EXISTING SURFACE	28.46	28.46	28.46	28.55	28.59	28.69	28.7	28.73	28.71	28.69	28.53	28.52	28.32
CUT/FILL	−0.73	−0.58	−0.57	−0.54	−0.26	−0.01	0.06	0.15	0.22	0.25	0.57	0.61	0.96
CHAINAGE	249.45	249.6	250	254.25	256.78	289.69	290.7	300	304.43	305.22	316.75	317.75	330

SITE SECTION F – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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adw johnson
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

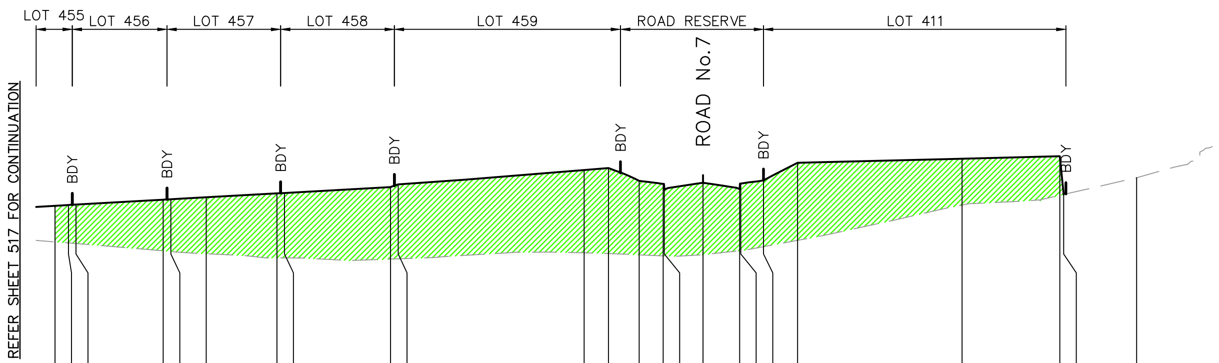
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 7

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 517 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:18PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–517.DWG

300362-CENG-518



DATUM 25.0

DESIGN SURFACE	29.28	29.3	29.31	29.44	29.45	29.5	29.6	29.61	29.77	29.84	30.22	30.27
EXISTING SURFACE	28.32	28.29	28.28	28.08	28.07	28.01	27.9	27.9	27.87	27.87	28.03	28.01
CUT/FILL	0.96	1	1.03	1.35	1.38	1.49	1.71	1.72	1.9	1.97	2.19	2.26
CHAINAGE	330	331.79	332.79	344.32	345.32	350	359.36	360.36	374.4	375.4	400	403.23

DESIGN SURFACE	29.94	29.85	29.7	29.89	29.71	29.86	29.95	30.41	30.52	30.59	29.57	
EXISTING SURFACE	27.98	27.95	27.95	27.98	28.09	28.09	28.19	28.36	29.29	29.55	29.57	30.02
CUT/FILL	1.96	1.9	1.75	1.91	1.63	1.77	1.75	2.05	1.23	1.03	0	-0
CHAINAGE	407.29	410.45	410.61	415.73	420.58	420.73	423.73	428.23	450	462.93	463.43	473.1

SITE SECTION F – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

CUT
FILL

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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Central Coast
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email: coast@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

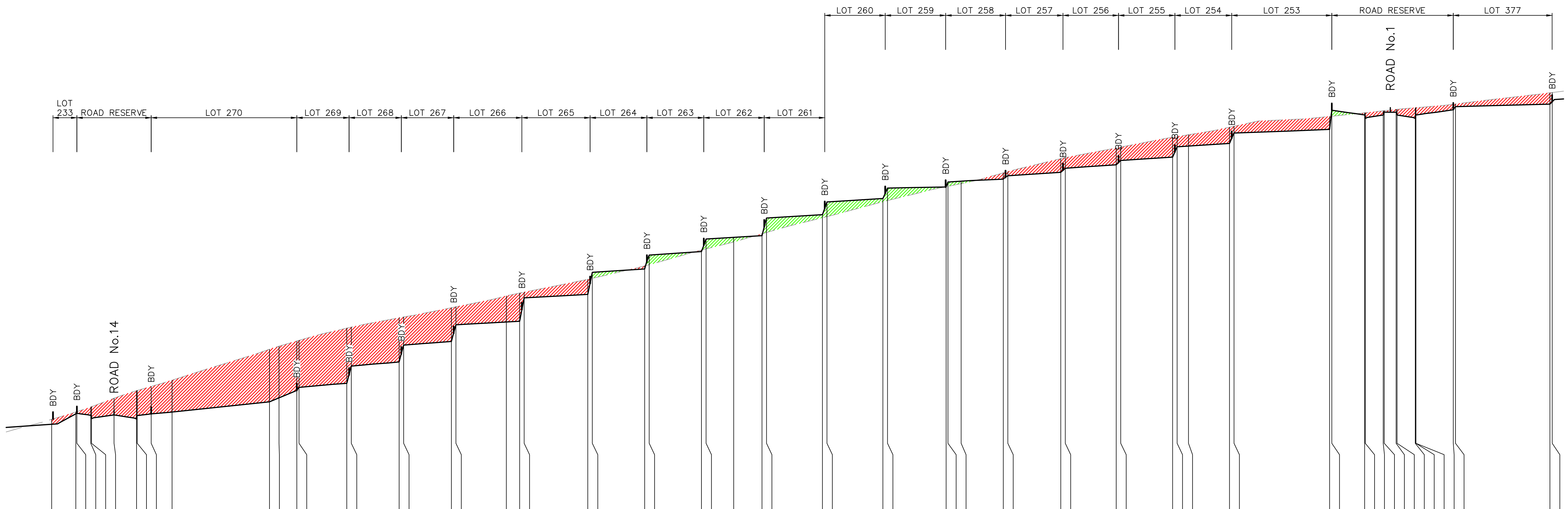
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 8

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 518 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-518.DWG

300362-CENG-519

CUT
FILL



REFER SHEET 520 FOR CONTINUATION

DATUM 14.0

CHAINAGE	0	5.32	5.55	8.61	8.77	13.72	18.67	18.83	21.89	26.49	47.91	50	53.91
DESIGN SURFACE	17.84	18.3	18.32	18.23	18.08	18.25	18.07	18.22	18.3	18.38	18.83	19	19.33
EXISTING SURFACE	18.05	18.38	18.39	18.6	18.61	18.98	19.31	19.32	19.5	19.78	21.14	21.27	21.5
CUT/FILL	0	0	−0.07	−0.36	−0.53	−0.73	−1.24	−1.1	−1.2	−1.4	−2.31	−2.27	−2.17

CHAINAGE	54.41	64.91	65.91	76.41	77.41	87.91	88.91	100	102.91	103.91	117.91	118.91	130.41
DESIGN SURFACE	19.46	19.64	20.39	20.58	21.32	21.48	22.21	22.33	22.37	23.4	23.55	24.52	24.67
EXISTING SURFACE	21.53	22.06	22.11	22.52	22.55	22.96	23	23.48	23.6	23.65	24.21	24.25	24.8
CUT/FILL	−2.07	−2.45	−1.71	−1.97	−1.23	−1.49	−0.79	−1.15	−1.24	−0.25	−0.66	0.26	−0.13

CHAINAGE	131.41	142.91	143.91	150	156.21	157.21	169.51	170.51	182.81	183.81	196.71	197.11	200
DESIGN SURFACE	25.28	25.43	25.98	26.06	26.13	26.91	27.05	27.61	27.76	28.22	28.27	28.49	28.53
EXISTING SURFACE	24.85	25.5	25.55	25.85	26.21	26.27	26.92	26.97	27.62	27.67	28.28	28.3	28.42
CUT/FILL	0.43	−0.07	0.43	0.2	−0.08	0.64	0.13	0.64	0.14	0.55	−0.01	0.19	0.1

CHAINAGE	209.27	210.27	221.91	222.91	234.11	235.11	246.51	247.51	250	259.01	260.01	281.03	281.53
DESIGN SURFACE	28.62	28.76	28.92	29.09	29.25	29.44	29.59	30.04	30.07	30.19	30.64	30.8	31.65
EXISTING SURFACE	28.89	28.94	29.52	29.56	29.99	30.03	30.46	30.49	30.57	30.9	30.94	31.37	31.38
CUT/FILL	−0.27	−0.18	−0.6	−0.47	−0.74	−0.59	−0.87	−0.45	−0.5	−0.71	−0.3	−0.57	0.26

CHAINAGE	288.73	288.88	292.83	293.06	295.66	295.88	299.88	300	300.03	308.23	308.71	329.48	330
DESIGN SURFACE	31.44	31.29	31.44	31.56	31.56	31.43	31.29	31.44	31.44	31.67	31.8	31.91	32.02
EXISTING SURFACE	31.53	31.53	31.62	31.62	31.68	31.68	31.75	31.76	31.76	31.91	31.92	32.41	32.42
CUT/FILL	−0.09	−0.25	−0.18	−0.06	−0.12	−0.25	−0.47	−0.35	−0.32	−0.24	−0.12	−0.5	−0.4

SITE SECTION G – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
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2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

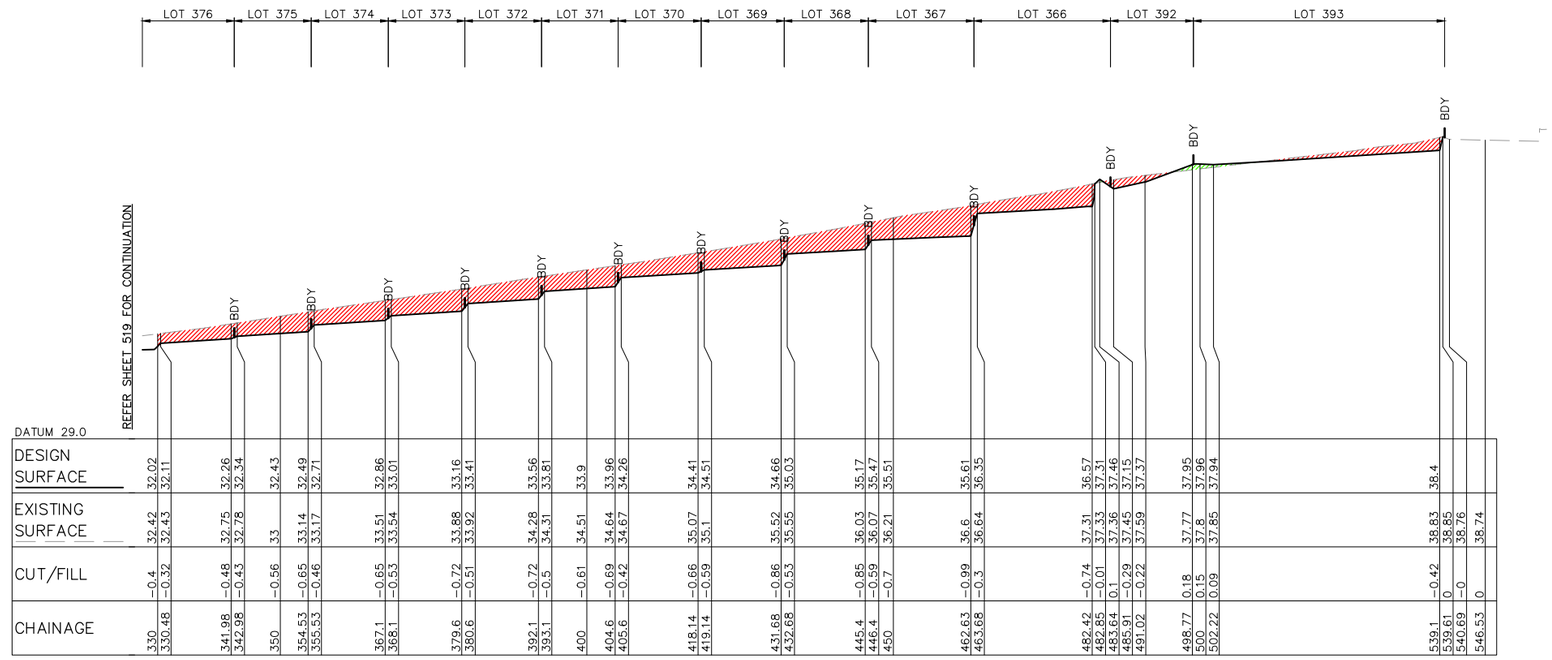
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
SITE SECTION
SHEET 9

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 519 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-519.DWG

300362-CENG-520



SITE SECTION G – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 10

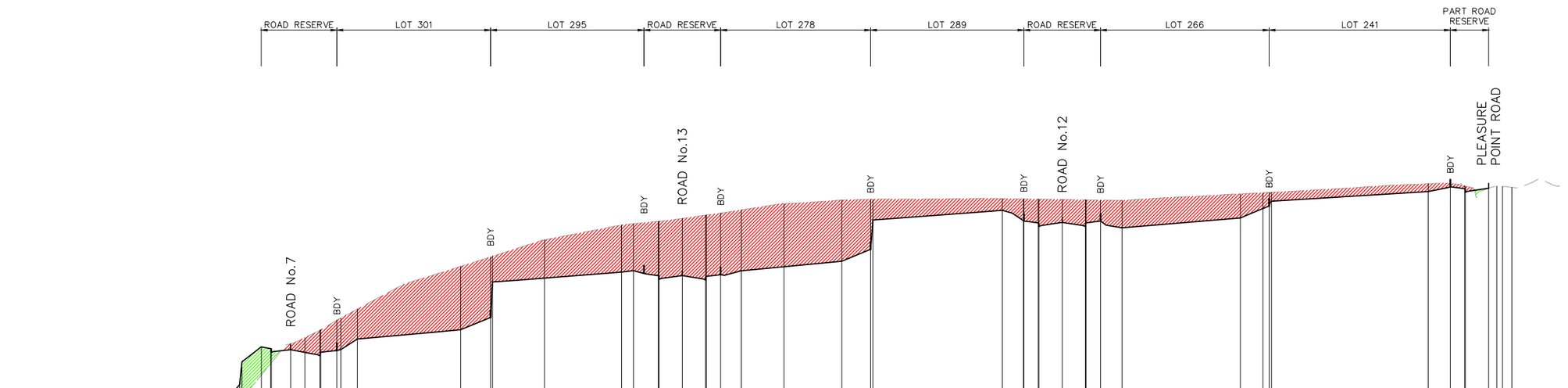
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	520	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:34PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-520.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-521



DATUM 8.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		11.99	0
2.32		11.92	0
11.32		12.56	1.35
13.92	13.9	12.54	1.37
14.38	13.91	12.55	1.89
15.22	14.31	12.58	1.73
28.99	14.28	13.28	1
31.73	14.73	13.85	0.85
33.07	14.73	14.12	0.61
36.34	15.47	14.8	0.67
36.84	16.42	14.9	1.53
40.88	17.04	15.87	1.18
42.44	16.94	16.32	0.62
42.99	16.82	16.38	0.44
47.01	16.93	17.18	−0.25
50	16.81	17.43	−0.63
53.13	16.67	17.74	−1.07
53.29	16.82	17.76	−0.94
56.65	16.89	18.16	−1.27
57.48	16.93	18.25	−1.32
60.93	17.37	18.62	−1.25
82.5	17.76	20.4	−2.64
88.74	18.27	20.8	−2.53
89.16	19.75	20.82	−1.07
100	19.91	21.5	−1.59
116.09	20.16	22.12	−1.97
118.58	20.22	22.18	−1.96
123.77	20.01	22.27	−2.27
123.92	19.86	22.28	−2.42
128.77	20.02	22.4	−2.38
133.63	19.86	22.53	−2.7
133.78	19.98	22.53	−2.56
136.78	20.05	22.62	−2.56
141.1	20.21	22.75	−2.54
150	20.38	23.02	−2.63
162.08	20.61	23.16	−2.55
168.08	21.11	23.19	−2.08
168.58	22.33	23.2	−0.86
195.58	22.73	23.22	−0.49
200	22.3	23.21	−0.91
200.08	22.29	23.21	−0.92
203.08	22.21	23.2	−0.99
203.23	22.06	23.2	−1.14
208.08	22.23	23.18	−0.95
212.93	22.06	23.17	−1.11
213.08	22.21	23.17	−0.96
216.08	22.29	23.16	−0.87
220.58	22.01	23.15	−1.15
245.28	22.42	23.42	−1
250	22.81	23.47	−0.65
251.28	22.92	23.48	−0.56
251.78	23.12	23.48	−0.37
284.5	23.52	23.84	−0.33
289.1	23.72	23.85	−0.13
292.1	23.64	23.75	−0.12
292.245	23.49	23.75	−0.26
297.1	23.66	23.66	0
298.82	23.66	23.75	0
300	23.73	23.75	−0
301.95	23.69	23.73	0

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

SITE SECTION I

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 11

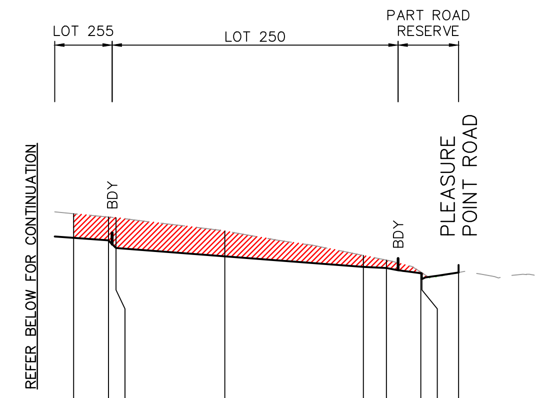
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 521 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:41PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-521.DWG

300362-CENG-522

CUT

FILL

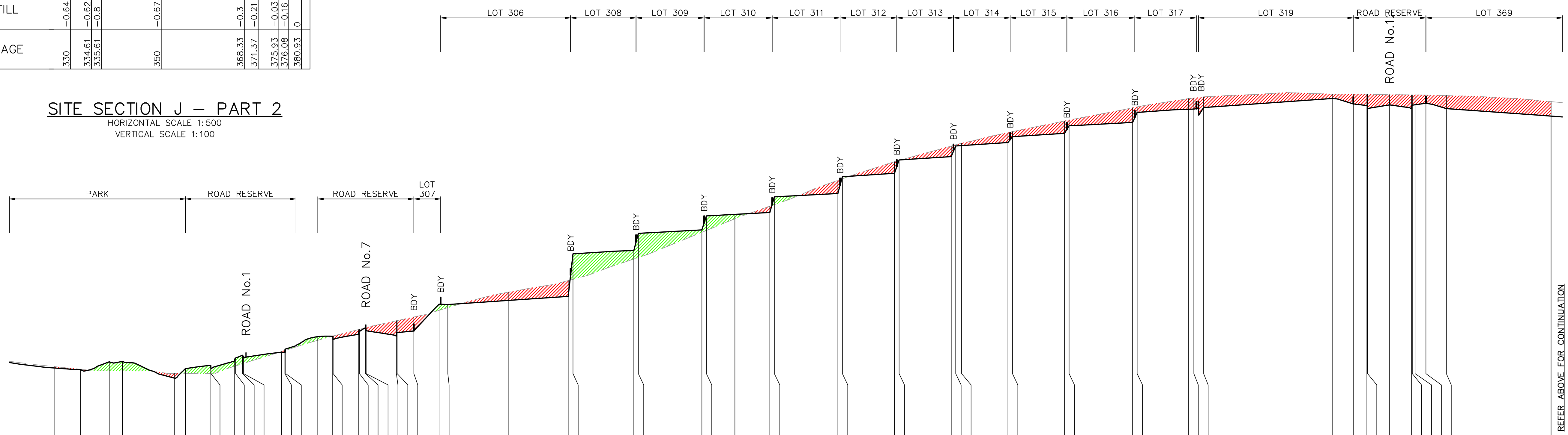


DATUM 25.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
330	29.38	30.02	−0.64
334.61	29.31	29.93	−0.62
335.61	29.11	29.91	−0.8
350	28.89	29.56	−0.67
368.33	28.61	28.91	−0.3
371.37	28.58	28.79	−0.21
375.93	28.44	28.47	−0.03
376.08	28.29	28.45	−0.16
380.93	28.46	28.46	0

SITE SECTION J – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



DATUM 15.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0	18.25	18.31	−0.06
5.68	18.18	18.19	−0.01
12.01	18.52	18.12	0.4
14.91	18.54	18.12	0.42
26.37	17.8	18.01	−0.23
28.84	18.22	18.01	0.21
34.25	18.36	18	0.36
34.44	18.25	17.99	0.22
39.6	18.55	18.32	0.23
39.88	18.69	18.34	0.35
41.42	18.81	18.44	0.38
41.65	18.7	18.45	0.26
50	18.94	18.97	−0.06
50.74	18.93	19.02	−0.09
50.94	19.09	19.03	0.05
58.01	19.63	19.47	0.18
61.19	19.65	19.65	0
61.39	19.51	19.66	−0.15
66.93	19.74	19.94	−0.25
67.19	19.86	19.96	−0.13
68.53	20.02	20.02	−0
68.68	19.9	20.03	−0.14
75.35	19.66	20.33	−0.68
75.52	19.81	20.34	−0.53
79.2	19.89	20.5	−0.61
84.76	21.07	20.8	0.27
86.68	21.05	20.91	0.14
100	21.23	21.6	−0.36
113.24	21.42	22.11	−0.7
114.29	23.29	22.17	1.12
127.7	23.44	23.06	0.38
128.7	24.2	23.13	1.07
142.7	24.35	24.24	0.11
143.7	24.97	24.33	0.64
150	25.04	24.84	0.2
157.7	25.12	25.4	−0.28
158.7	25.81	25.47	0.34
172.7	25.96	26.54	−0.58
173.7	26.7	26.61	0.09
185.2	26.85	27.36	−0.51
186.2	27.44	27.42	0.02
197.7	27.59	28.05	−0.47
198.7	28.06	28.11	−0.05
200	28.08	28.18	−0.1
210.2	28.21	28.65	−0.44
211.2	28.47	28.69	−0.22
222.7	28.62	29.16	−0.54
223.7	28.95	29.2	−0.25
237.7	29.1	29.74	−0.65
238.7	29.54	29.79	−0.25
250	29.68	30.15	−0.48
251.2	29.69	30.18	−0.49
253.37	29.75	30.23	−0.47
281.84	30.16	30.35	−0.19
286.37	29.92	30.35	−0.43
289.38	29.84	30.34	−0.5
289.53	29.69	30.34	−0.65
294.39	29.87	30.33	−0.45
299.24	29.71	30.32	−0.61
299.39	29.86	30.32	−0.46
300	29.88	30.31	−0.44
302.39	29.95	30.3	−0.36
306.89	29.71	30.28	−0.57
330	29.38	30.02	−0.64

SITE SECTION J – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE SECTION SHEET 12

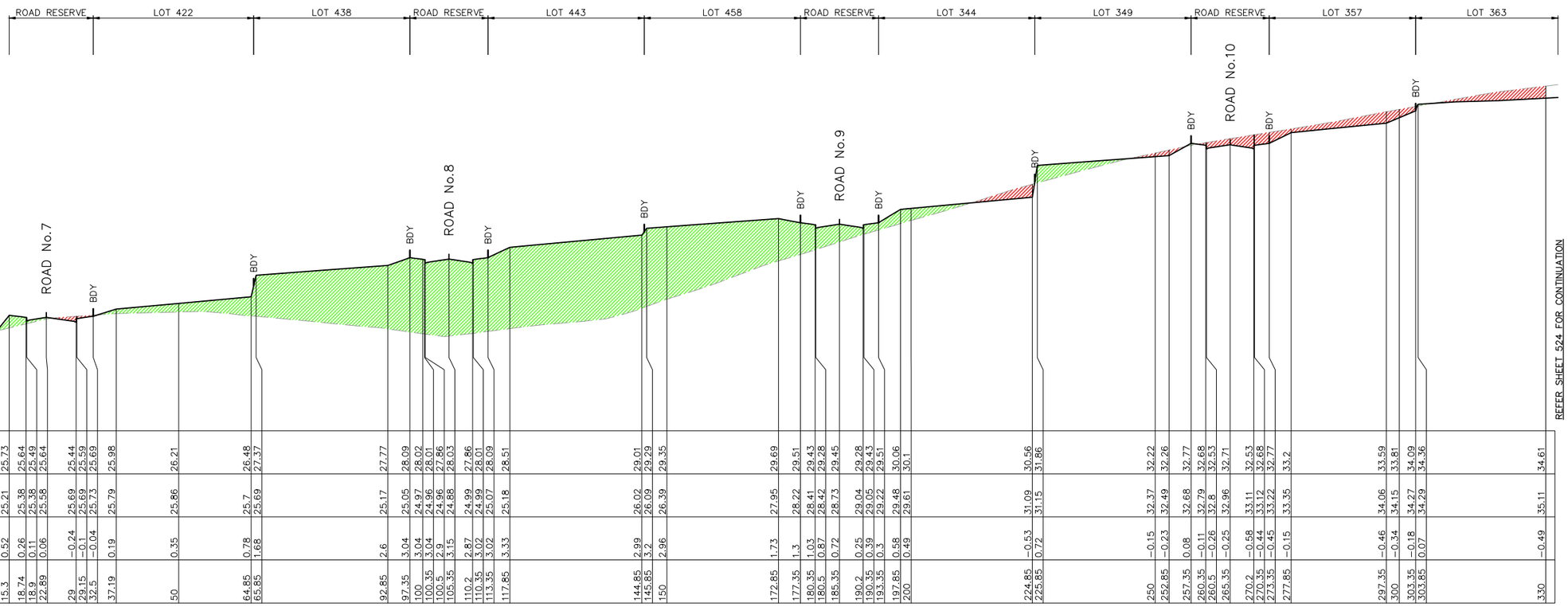
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 522 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:46PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362–CENG–522.DWG

300362-CENG-523

CUT

FILL



DATUM 21.0

CHAINAGE	0	3.53	12.75	15.3	18.74	18.9	22.89	29	29.15	32.5	37.19	50	64.85	65.85	92.85	97.35	100	100.35	100.5	105.35	110.2	110.35	113.35	117.85	144.85	145.85	150	172.85	177.35	180.35	180.5	185.35	190.2	190.35	193.35	197.85	200	224.85	225.85	250	252.85	257.35	260.35	260.5	265.35	270.2	270.35	273.35	277.85	297.35	300	303.35	303.85	330
DESIGN SURFACE				25.73	25.64	25.49	25.64		25.44	25.59	25.69	25.98		26.21		26.48	27.37		27.77		28.09	28.02	28.01	27.86	28.03	27.86	28.01	28.09	28.51		29.69	29.51	29.43	29.28	29.45	29.28	29.43	29.51	30.06	30.1		30.56	31.86		32.22	32.26		32.77	32.68	32.53	32.71		32.53	32.68	32.77	33.2		33.59	33.81		34.09	34.36		34.61
EXISTING SURFACE		24.31	24.58	25.09	25.21	25.38	25.38	25.58	25.69	25.69	25.73	25.79	25.86	25.7	25.69	25.17	25.05	24.97	24.96	24.96	24.88	24.99	24.99	25.07	25.18	26.02	26.09	26.39	27.95	28.22	28.41	28.42	28.73	29.04	29.05	29.22	29.48	29.61	31.09	31.15	32.37	32.49	32.68	32.79	32.8	32.96	33.11	33.12	33.22	33.35	34.06	34.15	34.27	34.29	35.11
CUT/FILL	0	0	−0	0.52	0.26	0.11	0.06	−0.24	−0.1	−0.04	0.19	0.35	0.78	1.68	2.6	3.04	3.04	3.04	2.9	3.15	2.87	3.02	3.02	3.33	2.99	3.2	2.96	1.73	1.3	1.03	0.87	0.72	0.25	0.39	0.3	0.58	0.49	−0.53	0.72	−0.15	−0.23	0.08	−0.11	−0.26	−0.25	−0.58	−0.44	−0.45	−0.15	−0.46	−0.34	−0.18	0.07	−0.49

GENERAL NOTES:

11. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
11. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN AN STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
22. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
33. SUBGRADE SURFACE ASSUMES ROXING ALLOWANCE OF 500mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

SITE SECTION K – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 (0, 12.5, 25.0m) A3 1:1000; A1 1:100 (0, 2.5, 5.0m) A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE SECTION SHEET 13

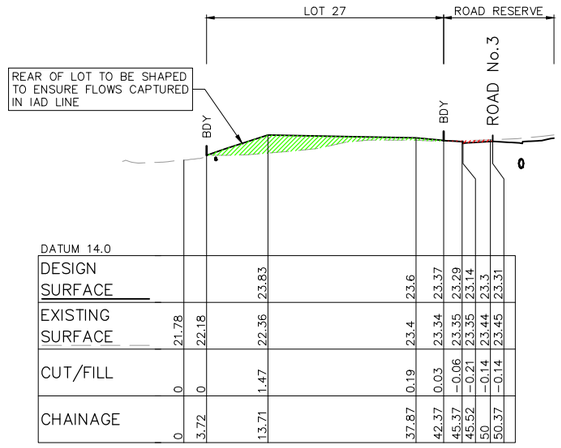
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 523 REV. E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:52PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-523.DWG

300362-CENG-524

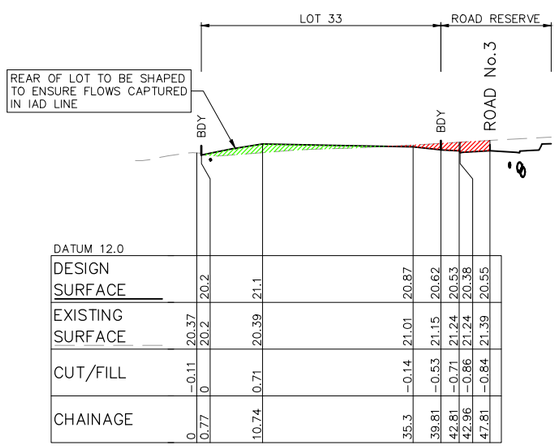


DATUM 14.0

DESIGN SURFACE			23.83		23.6	23.37	23.29	23.14	23.3	23.31
EXISTING SURFACE	21.78	22.18	22.36		23.4	23.34	23.35	23.35	23.44	23.45
CUT/FILL	0	0	1.47		0.19	0.03	−0.06	−0.21	−0.14	−0.14
CHAINAGE	0	3.72	13.71		37.87	42.37	45.37	45.52	50	50.37

SITE SECTION 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:250

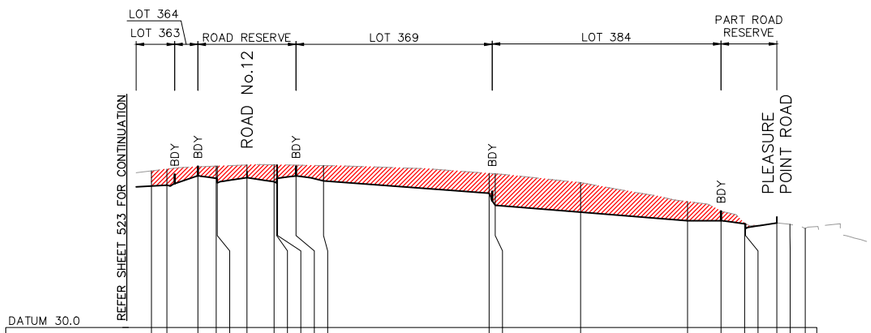


DATUM 12.0

DESIGN SURFACE		20.2	21.1		20.87	20.62	20.53	20.38	20.55
EXISTING SURFACE	20.37	20.2	20.39		21.01	21.15	21.24	21.24	21.39
CUT/FILL	−0.11	0	0.71		−0.14	−0.53	−0.71	−0.86	−0.84
CHAINAGE	0	0.77	10.74		35.3	39.81	42.81	42.96	47.81

SITE SECTION 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:250



DATUM 30.0

DESIGN SURFACE	34.61	34.64	34.95	34.87	34.72	34.89	34.75	34.71	34.86	34.95	34.78	34.38	33.98	33.76	33.48	33.49	33.38	33.23	33.41
EXISTING SURFACE	35.11	35.17	35.24	35.26	35.26	35.3	35.31	35.31	35.3	35.29	35.28	35.03	35.01	34.72	34.11	33.8	33.4	33.38	33.37	33.24
CUT/FILL	−0.49	−0.53	−0.29	−0.4	−0.55	−0.41	−0.58	−0.59	−0.44	−0.35	−0.5	−0.65	−1.03	−0.96	−0.62	−0.31	−0.02	−0.16	0	0
CHAINAGE	330	332.51	337.57	340.58	340.73	345.58	350	350.43	350.58	353.58	358.08	385.08	386.08	400	417.45	422.9	426.75	426.9	434.15	436.64

SITE SECTION K – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

CUT
FILL

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:250 — 0 5.0 10.0 12.5m — A3 1:500
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
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P.O. Box 3717,
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTION SHEET 14

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 524 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:58:57PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-524.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-551



GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY. SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

DETAIL PLAN
SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 551 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:05PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-551

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- PROPOSED BUILDING PAD
- FUTURE BUILDING PAD
- PROPOSED RETAINING WALL (0.5–1m HIGH)
- PROPOSED RETAINING WALL (1–1.5m HIGH)
- PROPOSED RETAINING WALL (1.5–2m HIGH)
- PROPOSED RETAINING WALL (2–2.5m HIGH)
- FUTURE RETAINING WALL
- ACOUSTIC WALL
- SW PROPOSED STORMWATER
- S PROPOSED SEWER

M.G.A.

489 D.P. 752034

485 D.P. 752034

792 D.P. 48718

ROAD No.7

ROAD No.8

ROAD No.1

ROAD No.11

ROAD No.9

HEATHCOTE ROAD

INTEGRAL ACOUSTIC FENCE/RETAINING WALL STRUCTURE. REFER SHEET 202 FOR DETAILS

REFER SHEET 554 FOR CONTINUATION

REFER SHEET 551 FOR CONTINUATION

GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY. SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 552 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:09PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

300362-CENG-551

REFER SHEET 554 FOR CONTINUATION

REFER SHEET 551 FOR CONTINUATION

ROAD No.11

ROAD No.13

ROAD No.14

ROAD No.12

ROAD No.7

PLEASURE POINT ROAD

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- PROPOSED BUILDING PAD
- FUTURE BUILDING PAD
- PROPOSED RETAINING WALL (0.5–1m HIGH)
- PROPOSED RETAINING WALL (1–1.5m HIGH)
- PROPOSED RETAINING WALL (1.5–2m HIGH)
- PROPOSED RETAINING WALL (2–2.5m HIGH)
- FUTURE RETAINING WALL
- ACOUSTIC WALL
- PROPOSED STORMWATER
- PROPOSED SEWER

GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY, SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 553 REV. E

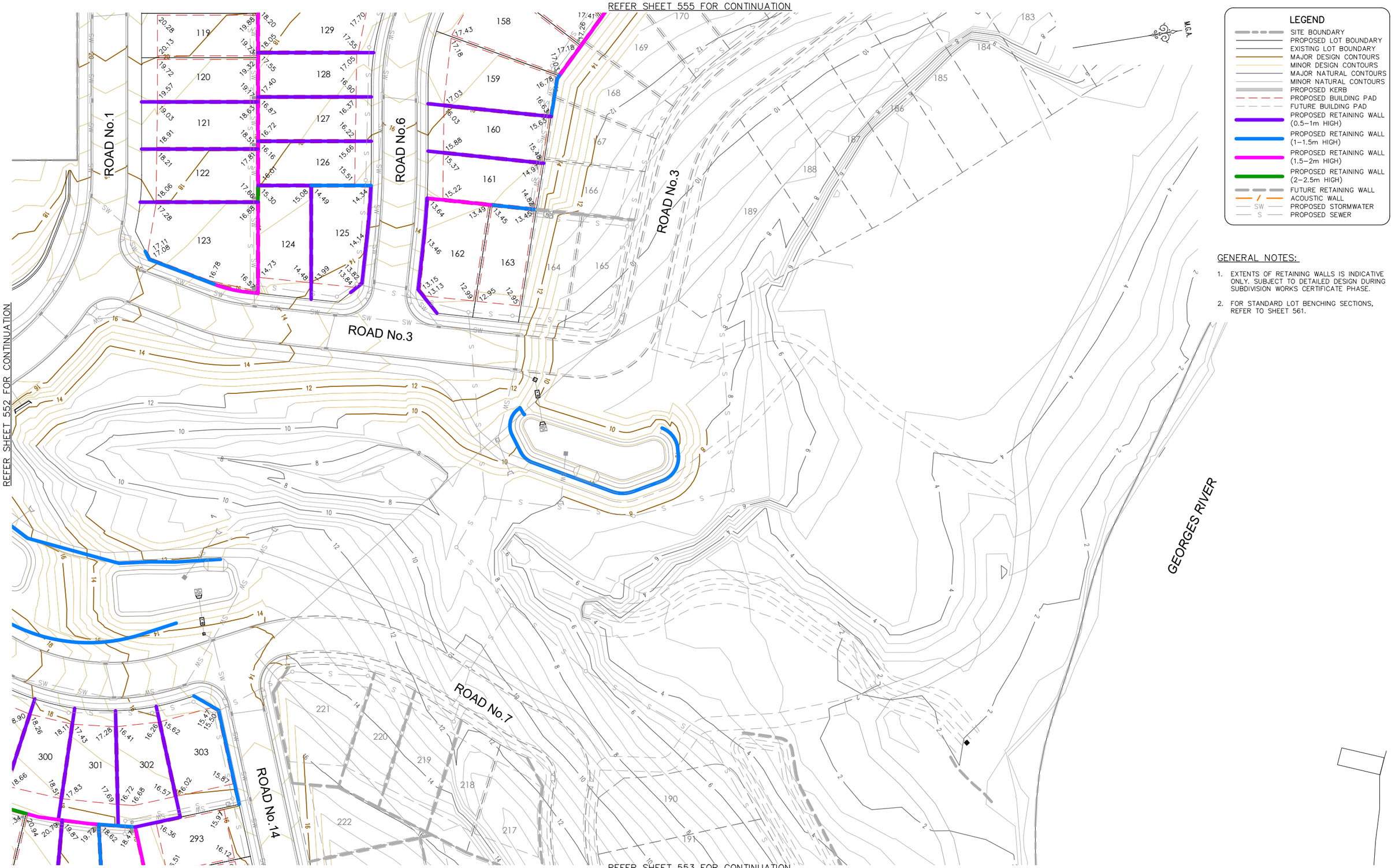
100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:12PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

300362-CENG-551

REFER SHEET 555 FOR CONTINUATION

REFER SHEET 552 FOR CONTINUATION



LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- PROPOSED BUILDING PAD
- FUTURE BUILDING PAD
- PROPOSED RETAINING WALL (0.5–1m HIGH)
- PROPOSED RETAINING WALL (1–1.5m HIGH)
- PROPOSED RETAINING WALL (1.5–2m HIGH)
- PROPOSED RETAINING WALL (2–2.5m HIGH)
- FUTURE RETAINING WALL
- ACOUSTIC WALL
- PROPOSED STORMWATER (SW)
- PROPOSED SEWER (S)

GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY, SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

REFER SHEET 553 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 4

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 554 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

300362-CENG-551

REFER SHEET 556 FOR CONTINUATION



LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- PROPOSED BUILDING PAD
- FUTURE BUILDING PAD
- PROPOSED RETAINING WALL (0.5–1m HIGH)
- PROPOSED RETAINING WALL (1–1.5m HIGH)
- PROPOSED RETAINING WALL (1.5–2m HIGH)
- PROPOSED RETAINING WALL (2–2.5m HIGH)
- FUTURE RETAINING WALL
- ACOUSTIC WALL
- PROPOSED STORMWATER
- PROPOSED SEWER

GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY, SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

REFER SHEET 554 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 / A3 1:1000 (0, 12.5, 25.0m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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Phone: (02) 4305 4300
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 5

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	555	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:19PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

300362-CENG-551

514
D.P. 1183310

512
D.P. 1183310

307
D.P. 1166554

100
D.P. 1040311

M.G.A.

792
D.P. 48718

2
D.P. 1004888

1008
D.P. 1027287

1018
D.P. 1027287

1017
D.P. 1027287

1016
D.P. 1027287

1015
D.P. 1027287

ROAD No.1

ROAD No.2

ROAD No.3

ROAD No.4

RAILWAY CORRIDOR

INTEGRAL ACOUSTIC FENCE/RETAINING WALL STRUCTURE. REFER SHEET 202 FOR DETAILS

REAR OF LOTS TO DRAIN TO RAILWAY CORRIDOR TO MATCH EXISTING CONDITIONS

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- PROPOSED BUILDING PAD
- FUTURE BUILDING PAD
- PROPOSED RETAINING WALL (0.5–1m HIGH)
- PROPOSED RETAINING WALL (1–1.5m HIGH)
- PROPOSED RETAINING WALL (1.5–2m HIGH)
- PROPOSED RETAINING WALL (2–2.5m HIGH)
- FUTURE RETAINING WALL
- ACOUSTIC WALL
- PROPOSED STORMWATER
- PROPOSED SEWER

GENERAL NOTES:

1. EXTENTS OF RETAINING WALLS IS INDICATIVE ONLY, SUBJECT TO DETAILED DESIGN DURING SUBDIVISION WORKS CERTIFICATE PHASE.
2. FOR STANDARD LOT BENCHING SECTIONS, REFER TO SHEET 561.

REFER SHEET 555 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

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adw Johnson
Central Coast
5 Pioneer Avenue,
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

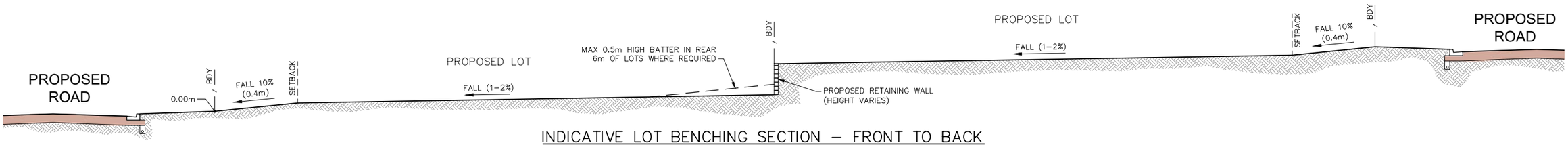
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: LOT BENCHING & RETAINING WALL DETAIL PLAN SHEET 6

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 556 REV. E

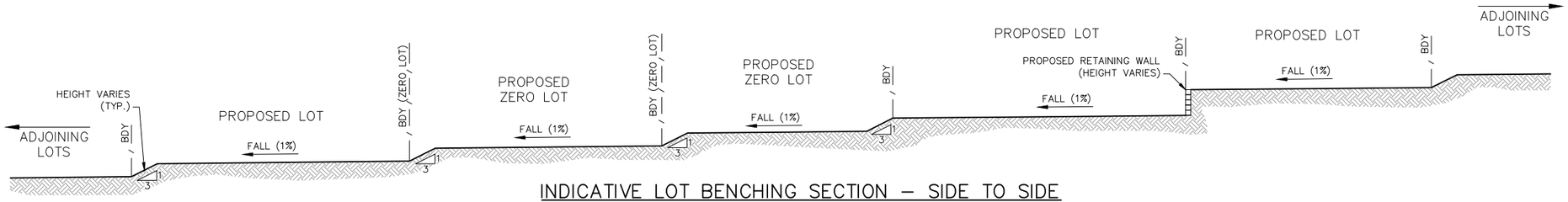
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:22PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-551.DWG

300362-CENG-561



INDICATIVE LOT BENCHING SECTION – FRONT TO BACK

SCALE 1:100



INDICATIVE LOT BENCHING SECTION – SIDE TO SIDE

SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: INDICATIVE LOT BENCHING SECTIONS

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	561	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-561.DWG

100mm AT FULL SIZE

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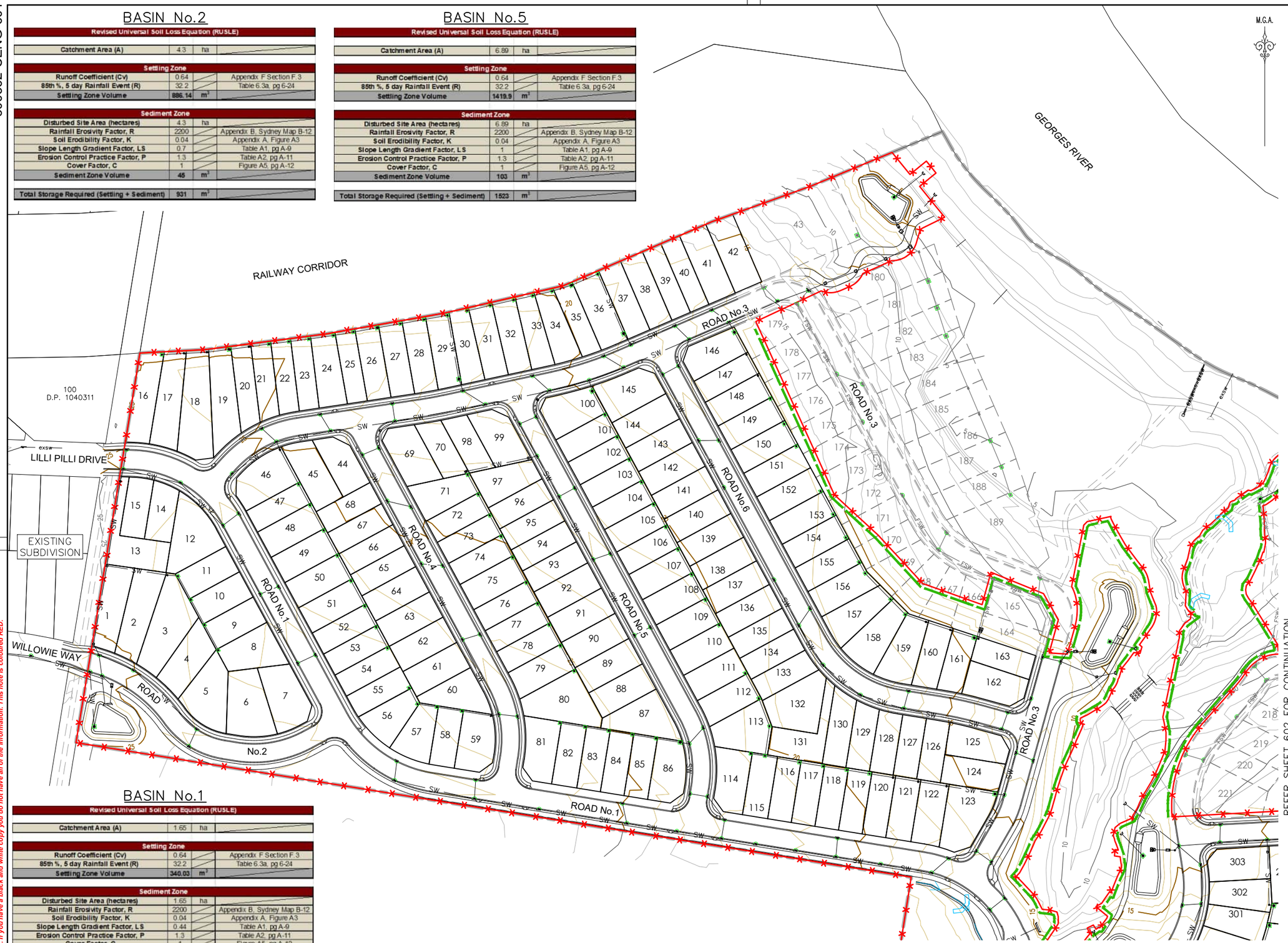
300362-CENG-601

BASIN No.2

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	4.3	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	886.14	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	4.3	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	0.7		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	45	m^3	
Total Storage Required (Settling + Sediment)	931	m^3	

BASIN No.5

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	6.89	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	1419.5	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	6.89	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	1		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	103	m^3	
Total Storage Required (Settling + Sediment)	1523	m^3	



BASIN No.1

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	1.65	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	340.03	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	1.65	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	0.44		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	11	m^3	
Total Storage Required (Settling + Sediment)	351	m^3	

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED KERB
- MAJOR CONTOURS
- MINOR CONTOURS
- EXTENTS OF BATTER
- PROPOSED STORMWATER
- EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED LINTEL INLET FILTER
- STRAWBALES
- GRAVEL/SAND BAGS
- SITE ACCESS/SHAKER RAMP
- SILT FENCE
- NO-GO FENCE
- SEDIMENT BASIN CATCHMENT BOUNDARY
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DIVERSION DRAIN
- PROPOSED SEDIMENT BASIN

CONTOUR INTERVAL = 1.0m

NOTE:

DETAILED EROSION AND SEDIMENT CONTROL PLANS TO BE PREPARED AS PART OF DETAILED DESIGN PHASE.

EROSION & SEDIMENT CONTROL PLAN

SCALE 1:1000

REFER SHEET 602 FOR CONTINUATION

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
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E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804, HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: EROSION & SEDIMENT CONTROL PLAN SHEET 1

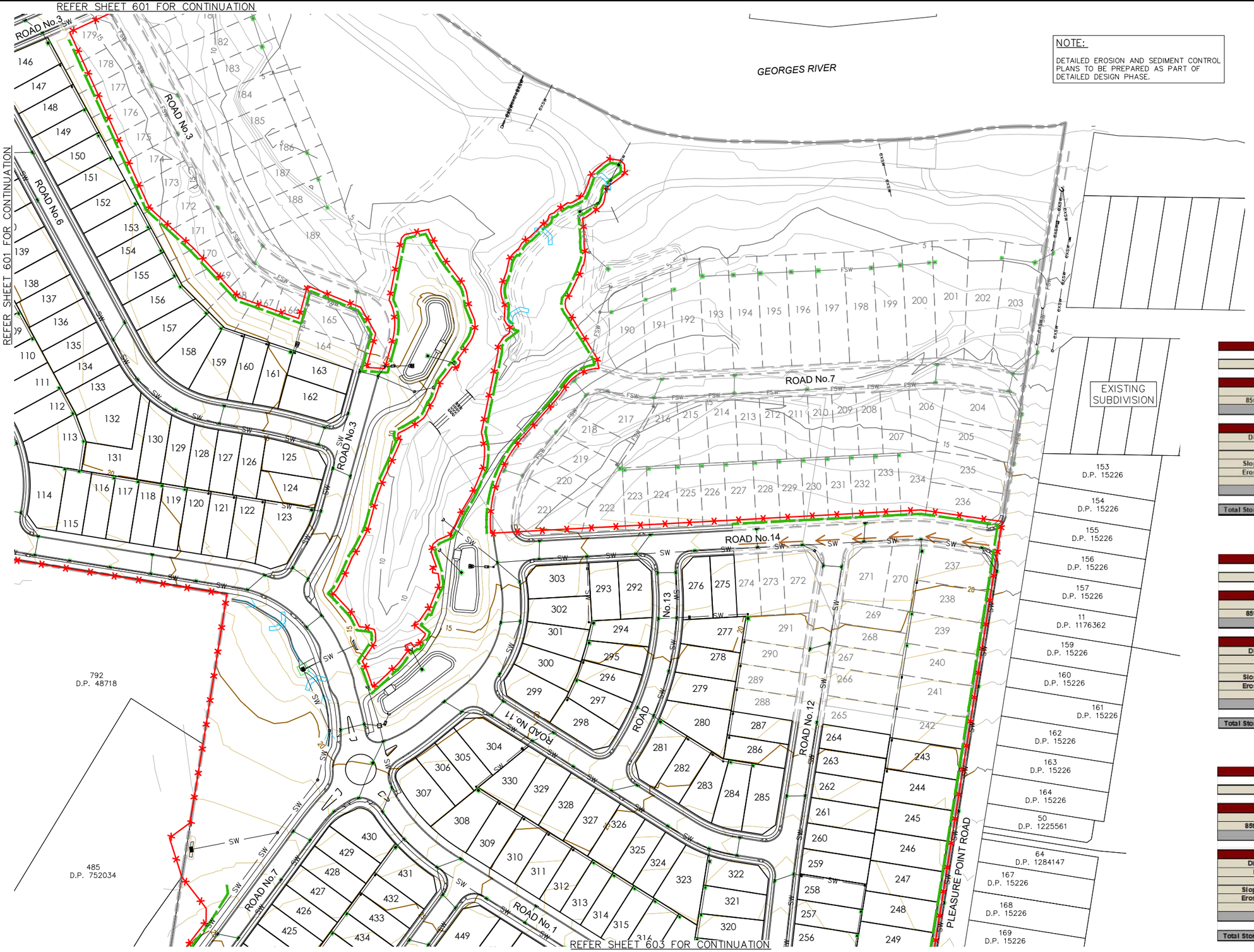
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 601 – REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:34PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-601.DWG

300362-CENG-602

REFER SHEET 601 FOR CONTINUATION



REFER SHEET 603 FOR CONTINUATION

NOTE:

DETAILED EROSION AND SEDIMENT CONTROL PLANS TO BE PREPARED AS PART OF DETAILED DESIGN PHASE.

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED KERB
- MAJOR CONTOURS
- MINOR CONTOURS
- EXTENTS OF BATTER
- PROPOSED STORMWATER
- EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED LINTEL INLET FILTER
- STRAWBALES
- GRAVEL/SAND BAGS
- SITE ACCESS/SHAKER RAMP
- SILT FENCE
- NO-GO FENCE
- SEDIMENT BASIN CATCHMENT BOUNDARY
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DIVERSION DRAIN
- PROPOSED SEDIMENT BASIN

CONTOUR INTERVAL = 1.0m

BASIN No.3

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	8.24	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	1698.1	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	8.24	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	0.7		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	86	m^3	
Total Storage Required (Settling + Sediment)	1784	m^3	

BASIN No.4

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	7.68	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	1582.7	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	7.68	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	0.7		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	80	m^3	
Total Storage Required (Settling + Sediment)	1663	m^3	

BASIN No.6

Revised Universal Soil Loss Equation (RUSLE)			
Catchment Area (A)	2.66	ha	
Settling Zone			
Runoff Coefficient (Cv)	0.64		Appendix F Section F.3
85th %, 5 day Rainfall Event (R)	32.2		Table 6.3a, pg 6-24
Settling Zone Volume	548.17	m^3	
Sediment Zone			
Disturbed Site Area (hectares)	2.66	ha	
Rainfall Erosivity Factor, R	2200		Appendix B, Sydney Map B-12
Soil Erodibility Factor, K	0.04		Appendix A, Figure A3
Slope Length Gradient Factor, LS	0.5		Table A1, pg A-9
Erosion Control Practice Factor, P	1.3		Table A2, pg A-11
Cover Factor, C	1		Figure A5, pg A-12
Sediment Zone Volume	20	m^3	
Total Storage Required (Settling + Sediment)	568	m^3	

EROSION & SEDIMENT CONTROL PLAN

SCALE 1:1000

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E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: EROSION & SEDIMENT CONTROL PLAN SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 602 REV. E

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300362-CENG-603

REFER SHEET 602 FOR CONTINUATION



M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED KERB
- MAJOR CONTOURS
- MINOR CONTOURS
- EXTENTS OF BATTER
- SW — SW — PROPOSED STORMWATER
- ex sw — EXISTING STORMWATER
- PROPOSED SW PIT
- PROPOSED LINTEL INLET FILTER
- STRAWBALES
- GRAVEL/SAND BAGS
- SITE ACCESS/SHAKER RAMP
- SILT FENCE
- NO-GO FENCE
- SEDIMENT BASIN CATCHMENT BOUNDARY
- CLEAN WATER DIVERSION DRAIN
- DIRTY WATER DIVERSION DRAIN
- PROPOSED SEDIMENT BASIN

CONTOUR INTERVAL = 1.0m

NOTE:

DETAILED EROSION AND SEDIMENT CONTROL PLANS TO BE PREPARED AS PART OF DETAILED DESIGN PHASE.

EROSION & SEDIMENT CONTROL PLAN

SCALE 1:1000

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PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: EROSION & SEDIMENT CONTROL PLAN SHEET 3

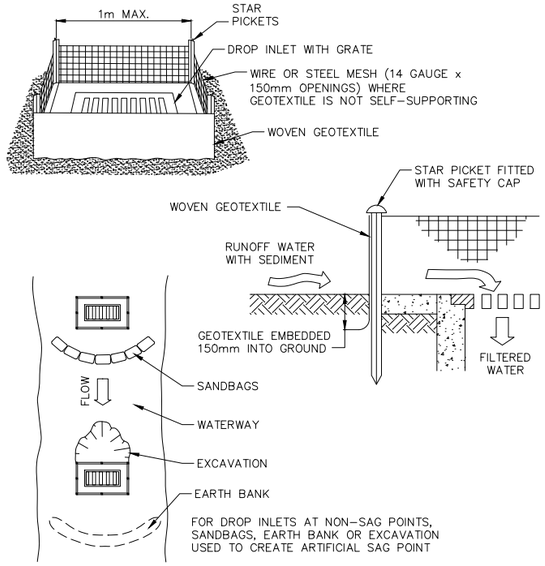
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 603 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-603.DWG

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300362-CENG-611



GEOTEXTILE INLET FILTER (SD6-12)

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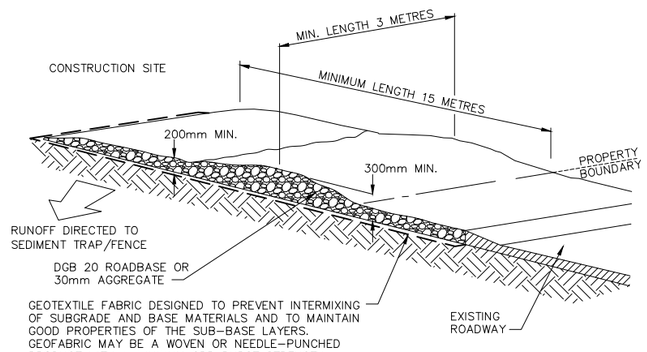
CONSTRUCTION NOTES:
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. REFER STANDARD DRAWINGS 6-7 & 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN AN APPROVED SWMP/ESCP.

MESH AND GRAVEL INLET FILTER (SD6-11)

N.T.S.

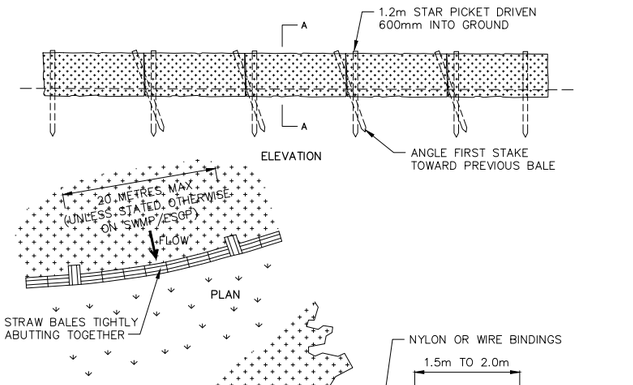
CONSTRUCTION NOTES:
1. INSTALL FILTERS TO KERB INLETS ONLY ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.



STABILISED SITE ACCESS (SD6-14)

N.T.S.

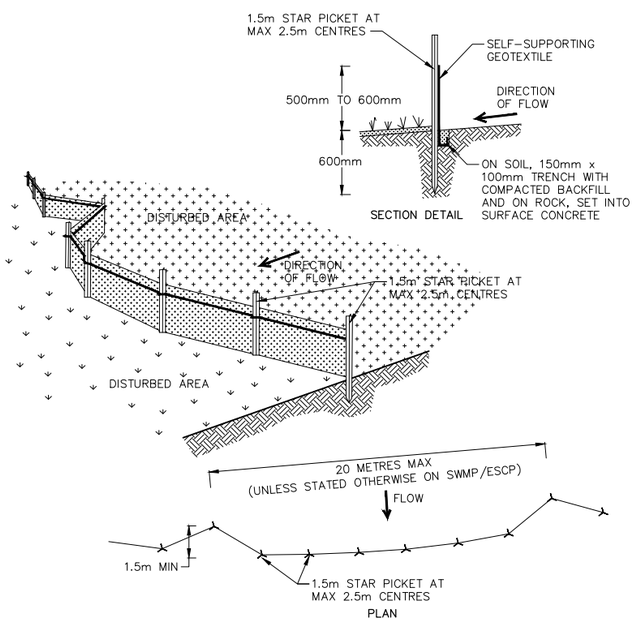
CONSTRUCTION NOTES:
1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.



STRAW BALE FILTER (SD6-7)

N.T.S.

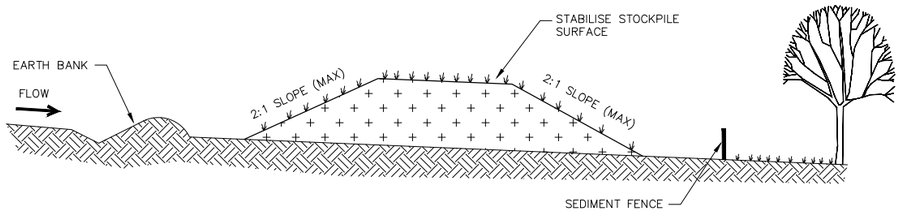
CONSTRUCTION NOTES:
1. CONSTRUCT THE STRAW BALE FILTER AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE.
2. PLACE BALES LENGTHWISE IN A ROW WITH ENDS TIGHTLY ABUTTING. USE STRAW TO FILL ANY GAPS BETWEEN BALES. STRAWS ARE TO BE PLACED PARALLEL TO GROUND.
3. ENSURE THAT THE MAXIMUM HEIGHT OF THE FILTER IS ONE BALE.
4. EMBED EACH BALE IN THE GROUND 75mm TO 100mm AND ANCHOR WITH TWO 1.2m STAR PICKETS OR STAKES. ANGLE THE FIRST STAR PICKET OR STAKE IN EACH BALE TOWARDS THE PREVIOUSLY LAID BALE. DRIVE THEM 600mm IN THE GROUND AND, IF POSSIBLE, FLUSH WITH THE TOP OF THE BALES. WHERE STAR PICKETS ARE USED AND THEY PROTRUDE ABOVE THE BALES, ENSURE THEY ARE FITTED WITH SAFETY CAPS.
5. WHERE A STRAW BALE FILTER IS CONSTRUCTED DOWNSLOPE FROM A DISTURBED BATTER, ENSURE THE BALES ARE PLACES 1 TO 2 METRES DOWNSLOPE FROM THE TOE.
6. ESTABLISH A MAINTENANCE PROGRAM THAT ENSURES THE INTEGRITY OF THE BALES IS RETAINED – THEY COULD REQUIRE REPLACEMENT EACH TWO TO FOUR MONTHS.



SEDIMENT FENCE (SD6-8)

N.T.S.

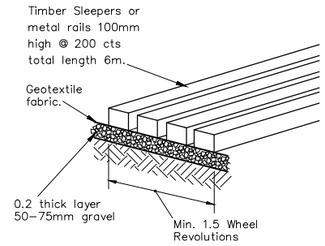
CONSTRUCTION NOTES:
1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



STOCKPILES (SD4-1)

N.T.S.

CONSTRUCTION NOTES:
1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOP SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE.



SHAKER RAMP

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: NOT TO SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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5 Pioneer Avenue,
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: EROSION & SEDIMENT CONTROL DETAILS

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 611 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:52PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-611.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-701

REFER SHEET 702 FOR CONTINUATION

REFER SHEET 703 FOR CONTINUATION

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED KERB
- FUTURE KERB
- STREET SIGN
- SIGN POST

M.G.A.

R8-2

R8-2

END

R7-4

PA-1 PS-3

PS-4 PS-4

PS-3 PA-1

DETAIL A

TYPICAL SHARED PATH LINEMARKING AND SIGNPOSTING ARRANGEMENT

N.T.S.

HEATHCOTE ROAD

ROAD No.7

ROAD No.10

ROAD No.9

ROAD No.1

ROAD No.12

PLEASURE POINT ROAD

BL2 10.0m

EL1 OL1 TB BL2

REFER DETAIL 'A'

R1-3 D4-1-2(L) W6-1 W8-25 REFUSE ISLAND R5-20(L) R5-20(R) BUS ZONE KEEP LEFT R2-3(L)

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SIGNAGE & LINEMARKING PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 701 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:59:59PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

300362-CENG-701

LEGEND
- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED KERB
- FUTURE KERB
- STREET SIGN
- SIGN POST

M.G.A.

489 D.P. 752034 | 485 D.P. 752034 | 792 D.P. 48718

2 D.P. 875804

HEATHCOTE ROAD

ROAD No.7 | ROAD No.8 | ROAD No.9 | ROAD No.1 | ROAD No.11

REFER SHEET 701 FOR DETAIL 'A'

R5-400(R) | R5-400(LR) | R5-400(LR) | R5-400(LR) | R5-400(LR) | R5-400(LR)

W6-1 REFUGE ISLAND W8-25 | W6-1 REFUGE ISLAND W8-25

R1-3 | R1-3 | R1-3

D4-1-2(L) | D4-1-2(L) | D4-1-2(L)

R5-20(L) | R5-20(R) | R5-20(L)

BUS ZONE

BL2 | EL1 | OL1 | TB | 10.0m

REFER SHEET 704 FOR CONTINUATION

REFER SHEET 701 FOR CONTINUATION

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 | 0 12.5 25.0m | A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SIGNAGE & LINEMARKING PLAN
SHEET 2

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	702	E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:01PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

300362-CENG-701

REFER SHEET 704 FOR CONTINUATION

REFER SHEET 701 FOR CONTINUATION

M.G.A.

ROAD No.11

ROAD No.13

ROAD No.14

ROAD No.12

ROAD No.7

PLEASURE POINT ROAD

BL2 10.0m

D4-5

69-18 NO THROUGH ROAD

EL1

BL2

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- PROPOSED KERB
- FUTURE KERB
- STREET SIGN
- SIGN POST

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
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E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SIGNAGE & LINEMARKING PLAN SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 703 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

300362-CENG-701

REFER SHEET 705 FOR CONTINUATION

REFER SHEET 702 FOR CONTINUATION



REFER SHEET 703 FOR CONTINUATION

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 12.5 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SIGNAGE & LINEMARKING PLAN SHEET 4

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 704 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:06PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

100mm AT FULL SIZE
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300362-CENG-701

REFER SHEET 706 FOR CONTINUATION



REFER SHEET 704 FOR CONTINUATION

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SIGNAGE & LINEMARKING PLAN
SHEET 5

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	705	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

100mm AT FULL SIZE

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300362-CENG-701



REFER SHEET 705 FOR CONTINUATION

SIGNAGE & LINEMARKING PLAN

SCALE 1:500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:500 — 0, 12.5, 25.0m — A3 1:1000

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

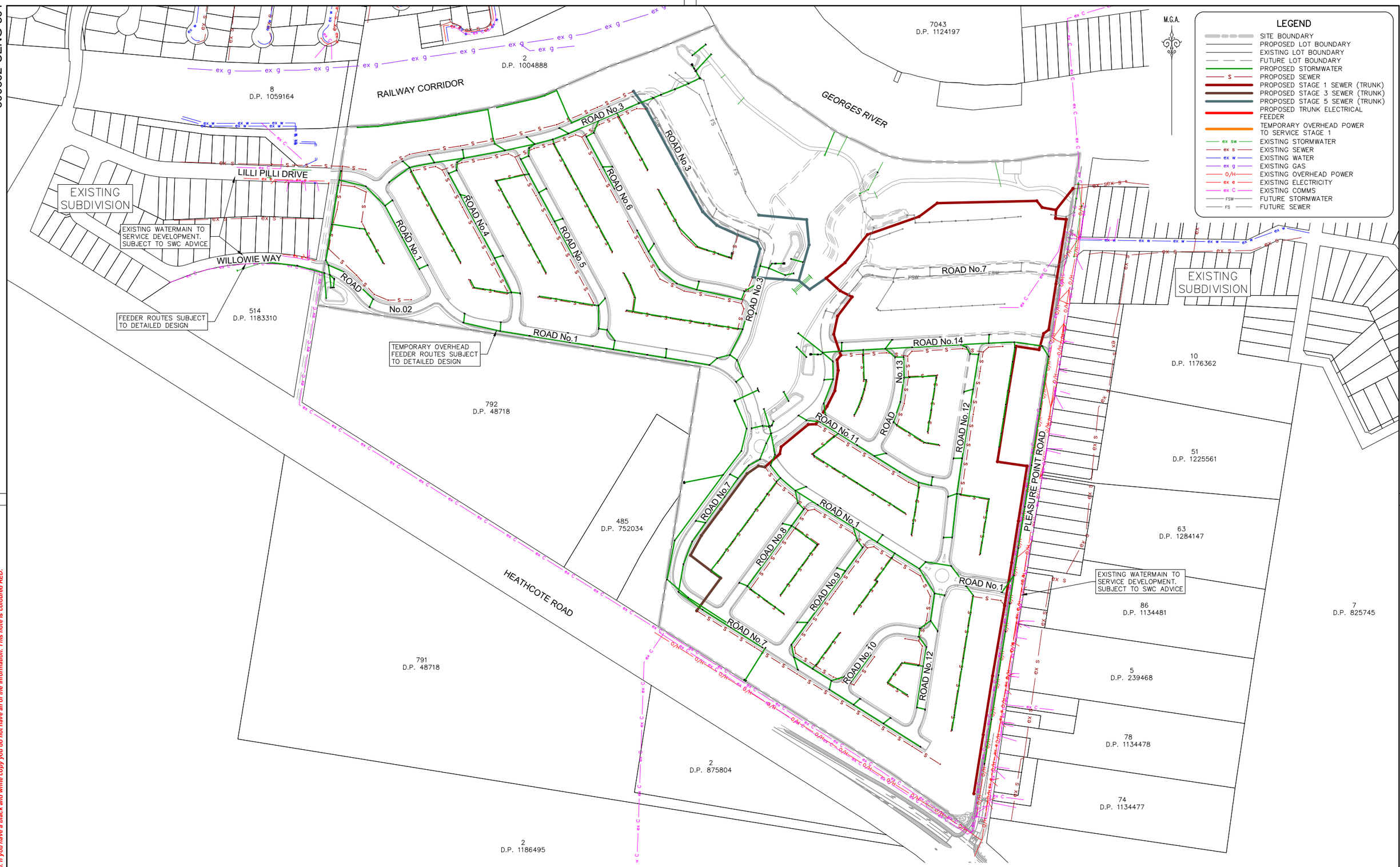
PLAN TITLE: SIGNAGE & LINEMARKING PLAN SHEET 6

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 706 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-701.DWG

300362-CENG-801



TRUNK SERVICING PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TRUNK SERVICING PLAN

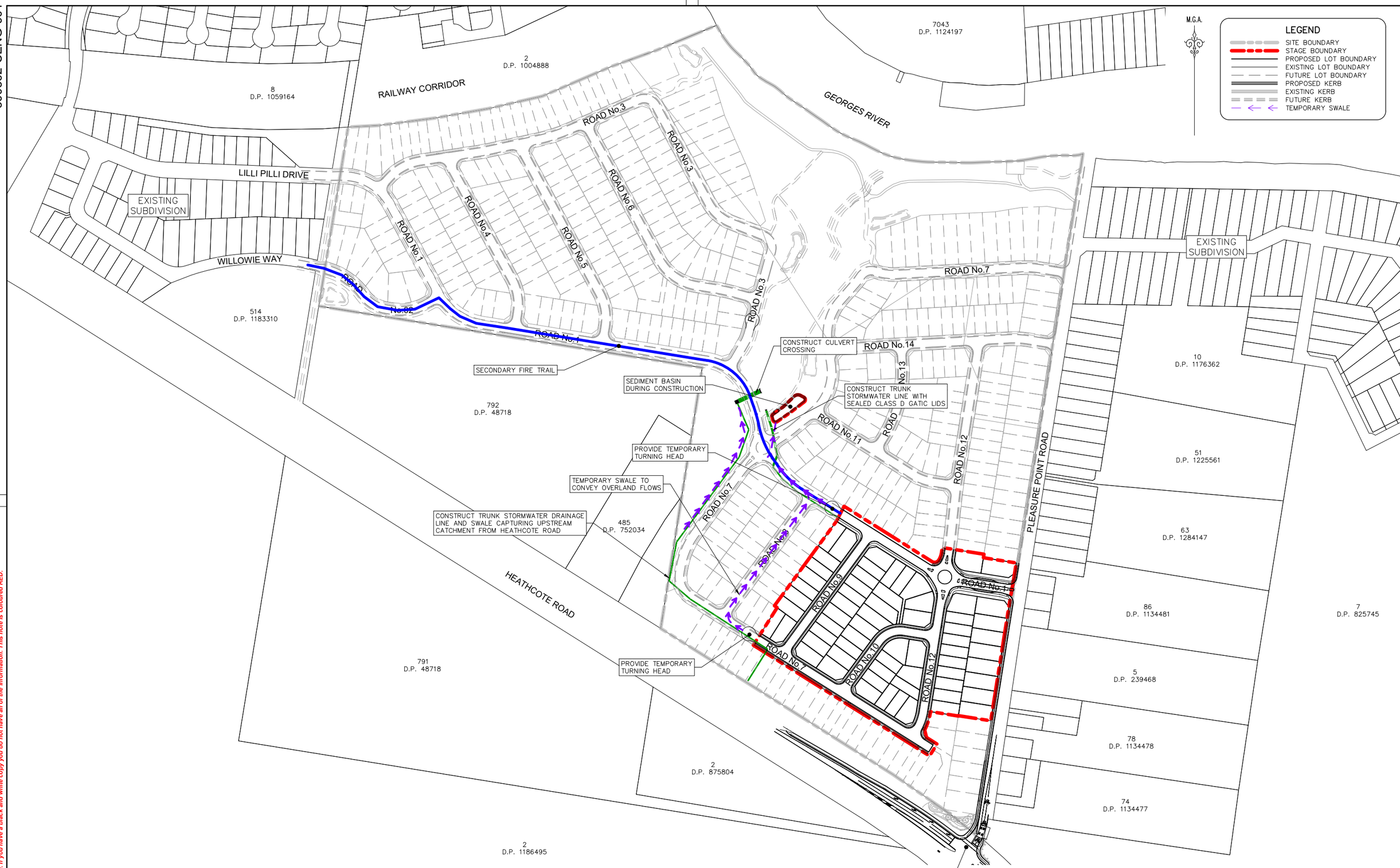
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	801	E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:17PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-801.DWG

300362-CENG-901



TEMPORARY WORKS PLAN – STAGE 1

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 / A3 1:4000 (0, 50, 100m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

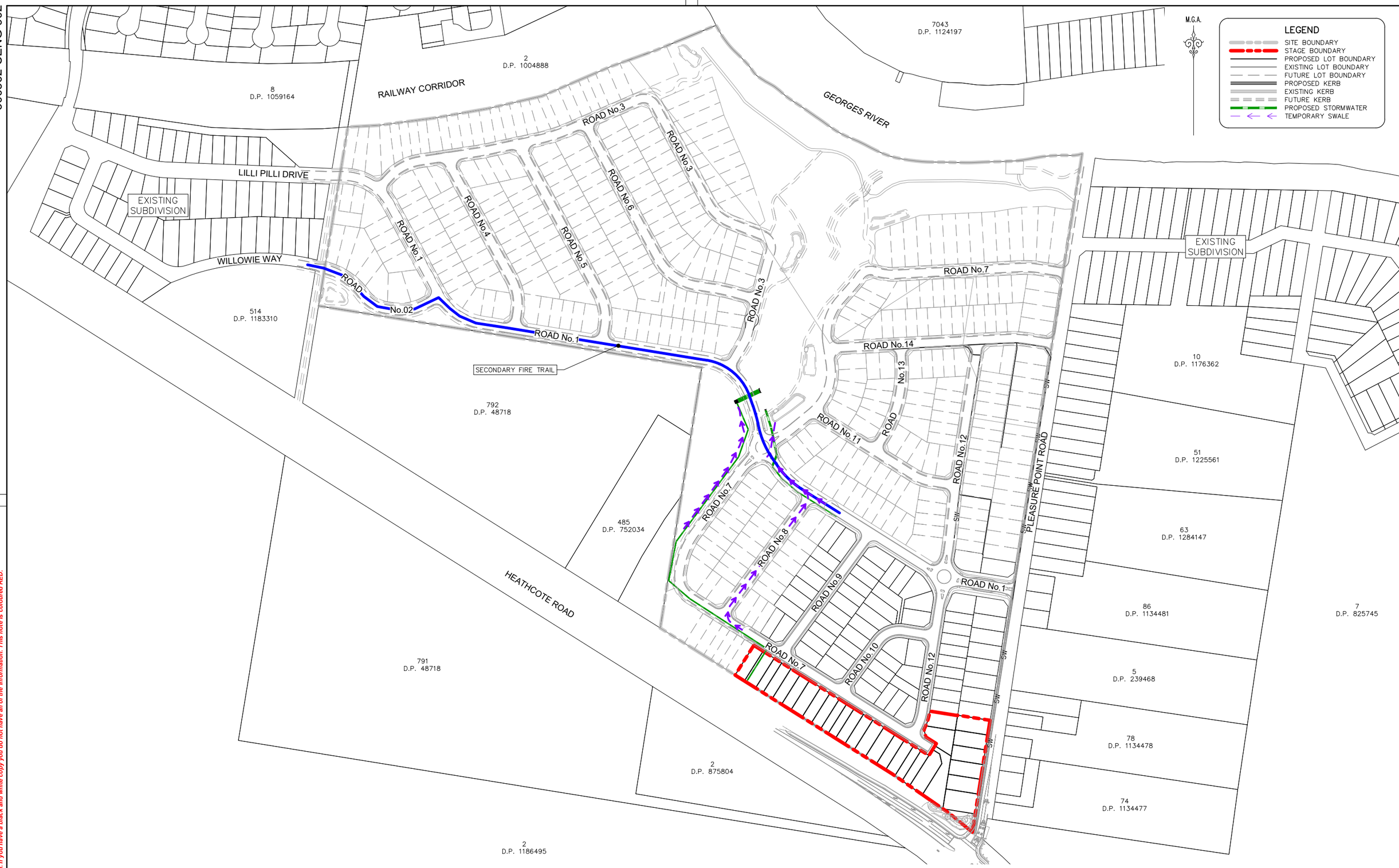
PLAN TITLE: TEMPORARY WORKS PLAN STAGE 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	901	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:22PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-901.DWG

300362-CENG-902



TEMPORARY WORKS PLAN – STAGE 2

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 — 0, 50, 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

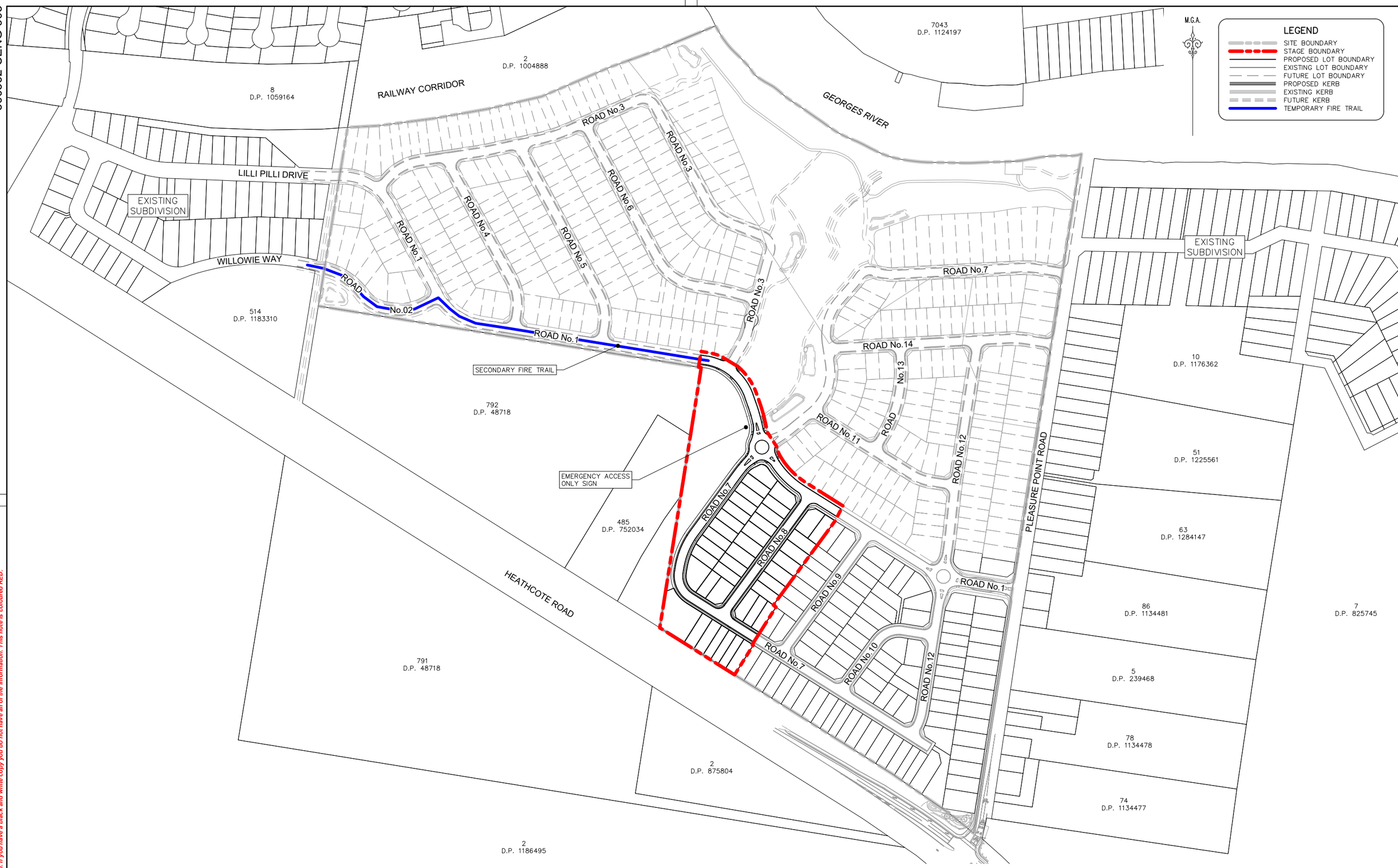
PLAN TITLE: TEMPORARY WORKS PLAN
STAGE 2

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	902	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:28PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-902.DWG

300362-CENG-903



TEMPORARY WORKS PLAN – STAGE 3

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
Central Coast
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

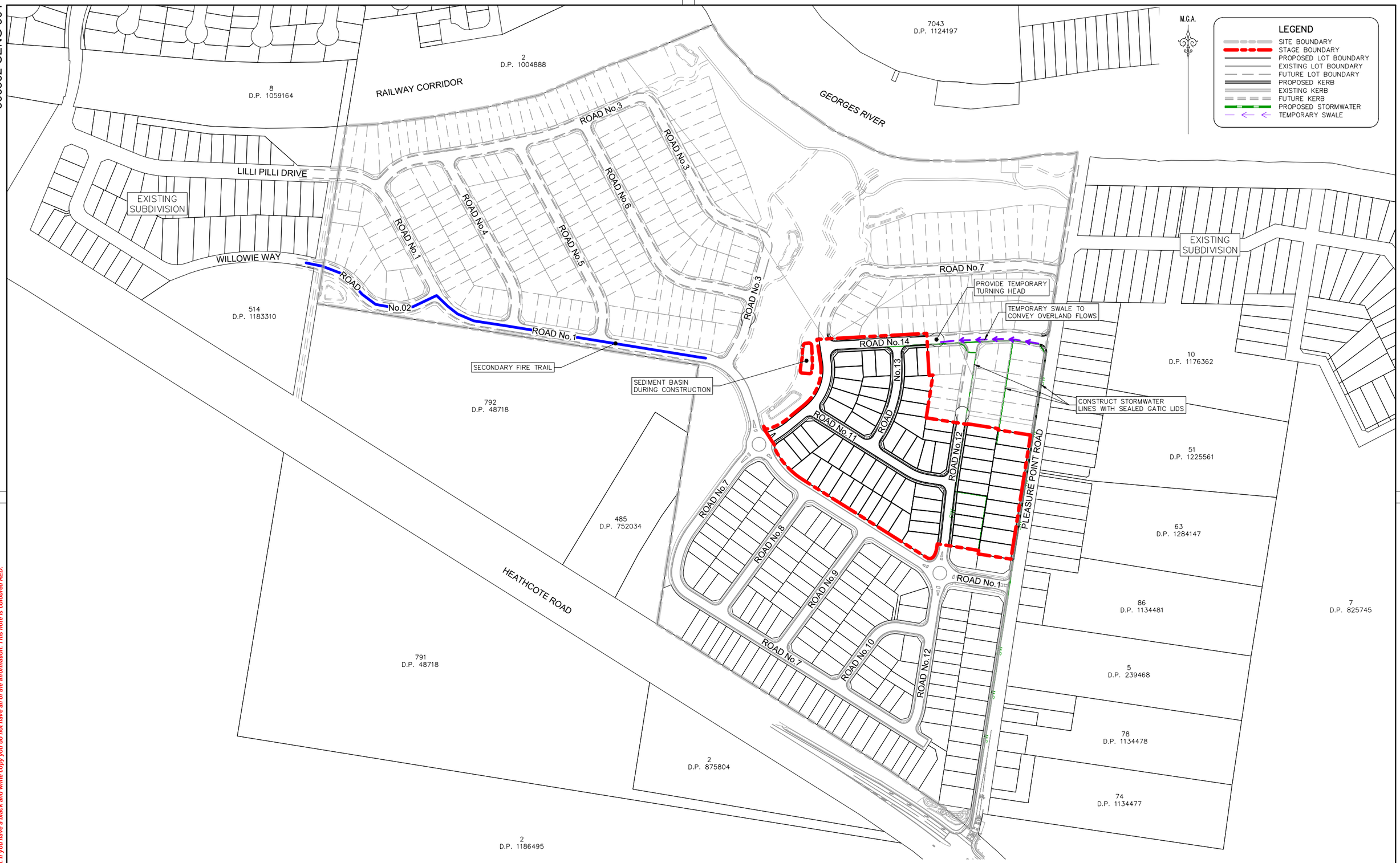
PLAN TITLE: TEMPORARY WORKS PLAN STAGE 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 903 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-903.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-904



TEMPORARY WORKS PLAN – STAGE 4

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 | 0 50 100m | A3 1:4000

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TEMPORARY WORKS PLAN STAGE 4

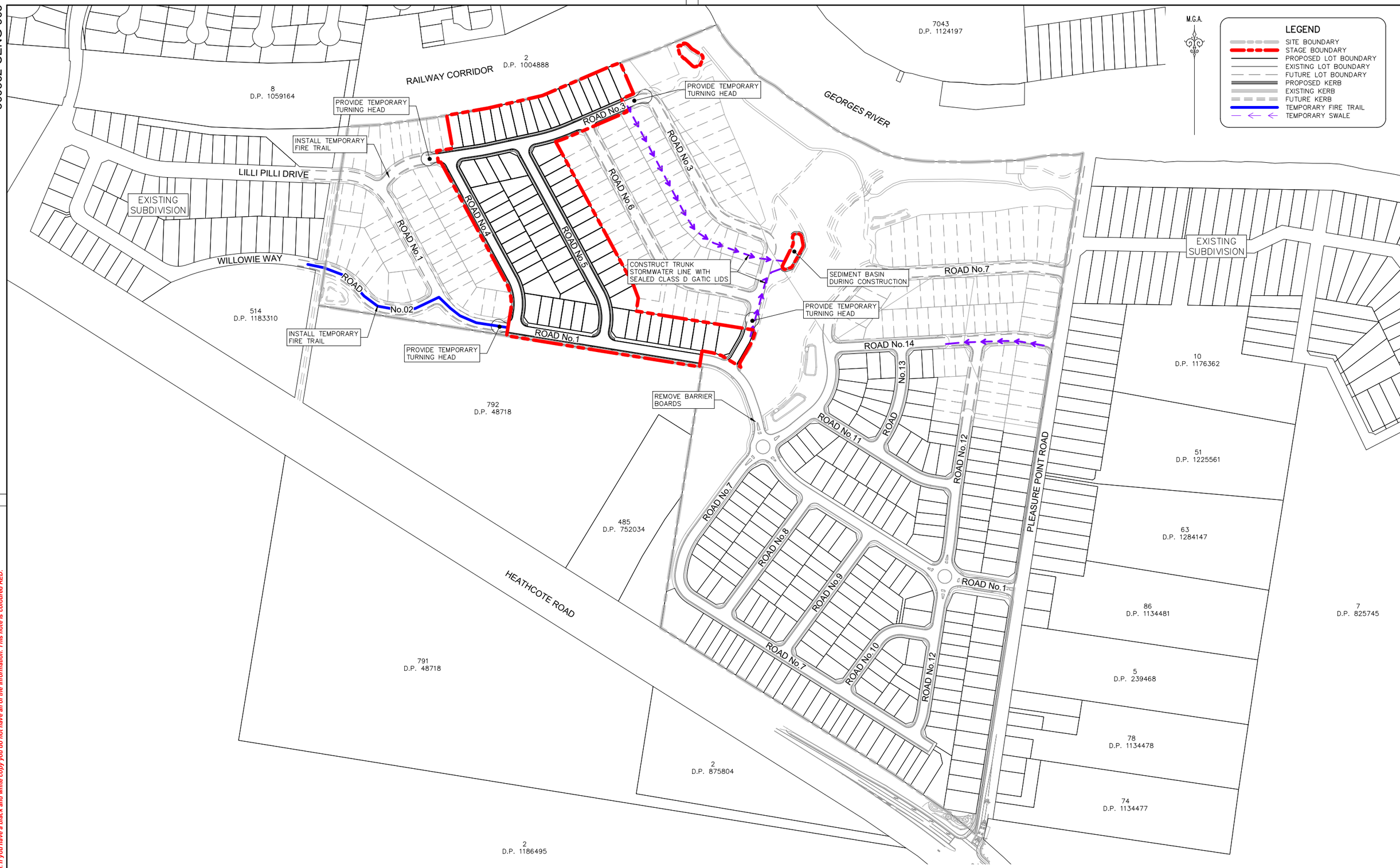
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 904 REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-904.DWG

300362-CENG-905



TEMPORARY WORKS PLAN – STAGE 5

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 | 0 50 100m | A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TEMPORARY WORKS PLAN STAGE 5

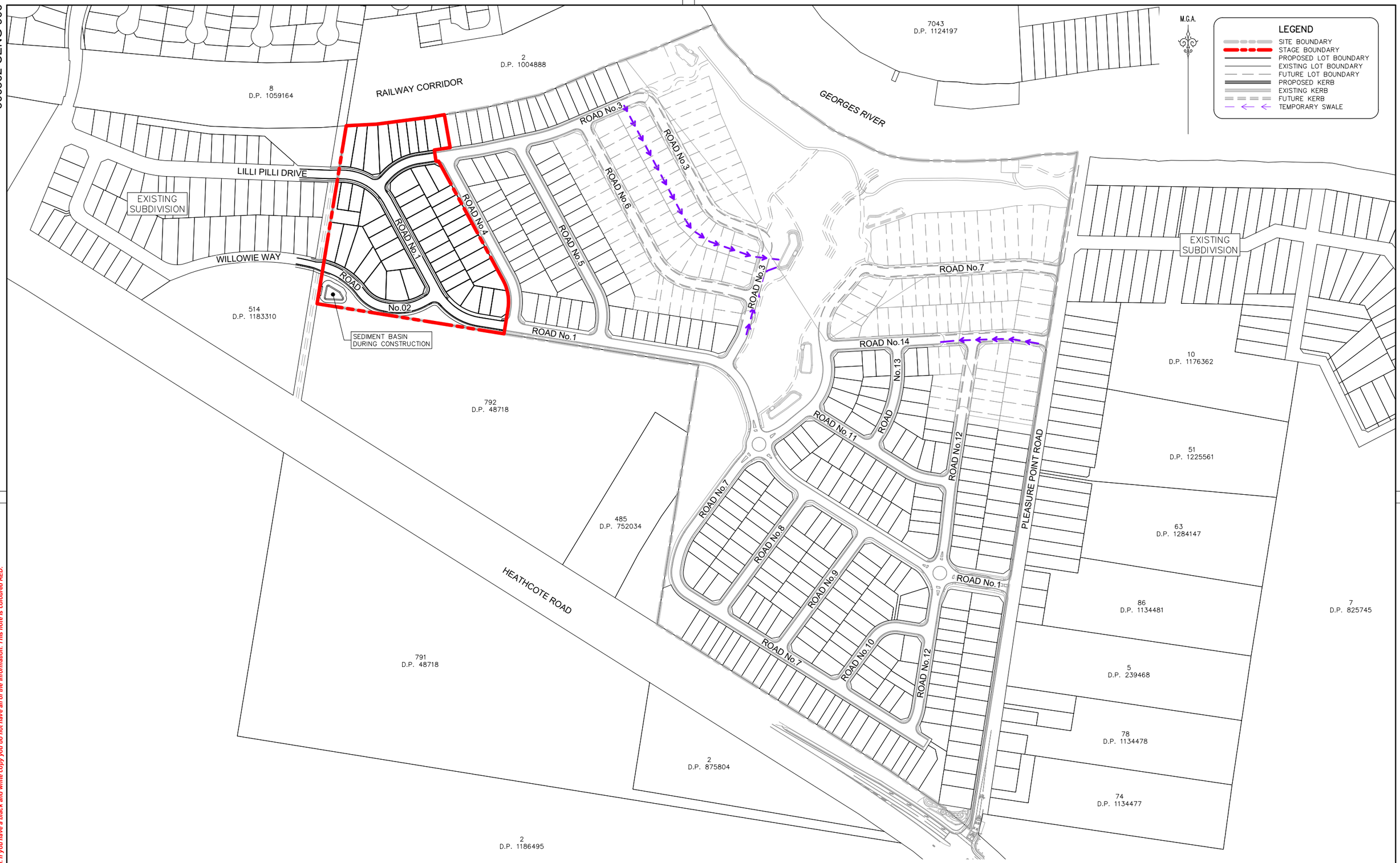
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 905 REV. E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:44PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-905.DWG

300362-CENG-906



TEMPORARY WORKS PLAN – STAGE 6

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TEMPORARY WORKS PLAN
STAGE 6

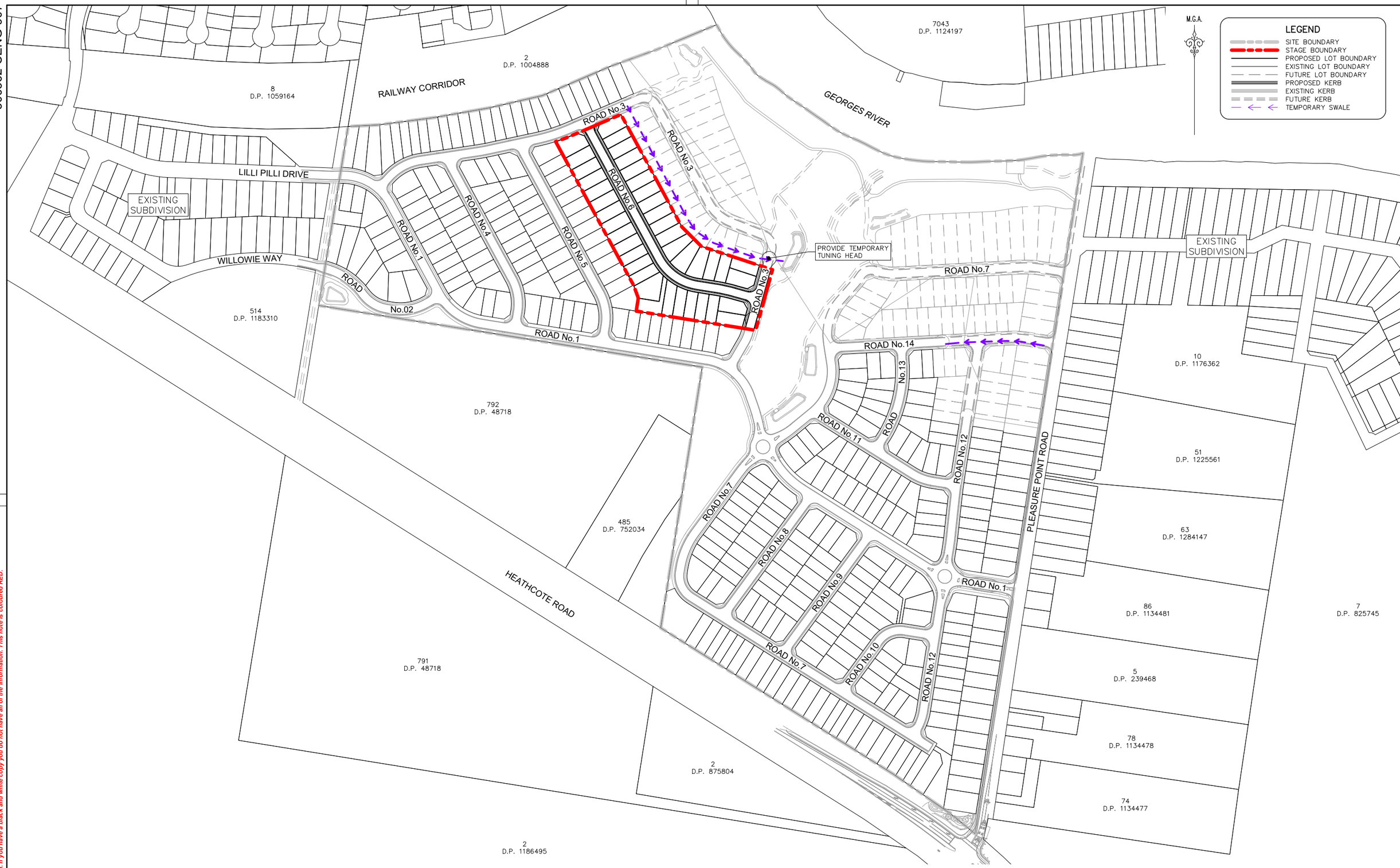
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 906 REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:50PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-906.DWG

300362-CENG-907



TEMPORARY WORKS PLAN – STAGE 7

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	02.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.H.

SCALES: A1 1:2000 / A3 1:4000 (0, 50, 100m)

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TEMPORARY WORKS PLAN STAGE 7

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 907 REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 1:00:55PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(1)\300362-CENG-907.DWG

300362-CENG-1001

CONCEPT ENGINEERING PLANS FOR CONCEPT DEVELOPMENT APPLICATION LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT



LOCALITY SKETCH
NOT TO SCALE

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: COVER SHEET & LOCALITY SKETCH

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1001	E

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:31:30PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1001.DWG

300362-CENG-1002

INDEX OF DRAWINGS

DRAWING No.	DRAWING NAME
300362-CENG-1001	COVER SHEET & LOCALITY SKETCH
300362-CENG-1002	INDEX OF DRAWINGS
300362-CENG-1003	OVERALL SITE PLAN
300362-CENG-1004	STAGING PLAN
300362-CENG-1005	TREE CLEARING PLAN
300362-CENG-1101	DETAIL PLAN - SHEET 1
300362-CENG-1102	DETAIL PLAN - SHEET 2
300362-CENG-1103	DETAIL PLAN - SHEET 3
300362-CENG-1201	ROAD HIERARCHY PLAN
300362-CENG-1211	TYPICAL ROAD CROSS SECTIONS - SHEET 1
300362-CENG-1212	TYPICAL ROAD CROSS SECTIONS - SHEET 2
300362-CENG-1221	PROPOSED PATH LAYOUT PLAN
300362-CENG-1231	ROAD LONGITUDINAL SECTION - PLEASURE POINT ROAD - SHEET 1
300362-CENG-1232	ROAD LONGITUDINAL SECTION - PLEASURE POINT ROAD - SHEET 2
300362-CENG-1233	ROAD LONGITUDINAL SECTION - PLEASURE POINT ROAD - SHEET 3
300362-CENG-1234	ROAD LONGITUDINAL SECTION - ROAD No.1 - SHEET 1
300362-CENG-1235	ROAD LONGITUDINAL SECTION - ROAD No.1 - SHEET 2
300362-CENG-1236	ROAD LONGITUDINAL SECTION - ROAD No.1 - SHEET 3
300362-CENG-1237	ROAD LONGITUDINAL SECTION - ROAD No.1 - SHEET 4
300362-CENG-1238	ROAD LONGITUDINAL SECTION - ROAD No.2
300362-CENG-1239	ROAD LONGITUDINAL SECTION - ROAD No.3 - SHEET 1
300362-CENG-1240	ROAD LONGITUDINAL SECTION - ROAD No.3 - SHEET 2
300362-CENG-1241	ROAD LONGITUDINAL SECTION - ROAD No.3 - SHEET 3
300362-CENG-1242	ROAD LONGITUDINAL SECTION - ROAD No.4
300362-CENG-1243	ROAD LONGITUDINAL SECTION - ROAD No.5
300362-CENG-1244	ROAD LONGITUDINAL SECTION - ROAD No.6
300362-CENG-1245	ROAD LONGITUDINAL SECTION - ROAD No.7 - SHEET 1
300362-CENG-1246	ROAD LONGITUDINAL SECTION - ROAD No.7 - SHEET 2
300362-CENG-1247	ROAD LONGITUDINAL SECTION - ROAD No.7 - SHEET 3
300362-CENG-1248	ROAD LONGITUDINAL SECTION - ROAD No.7 - SHEET 4
300362-CENG-1249	ROAD LONGITUDINAL SECTION - ROAD No.8
300362-CENG-1250	ROAD LONGITUDINAL SECTION - ROAD No.9
300362-CENG-1251	ROAD LONGITUDINAL SECTION - ROAD No.10
300362-CENG-1252	ROAD LONGITUDINAL SECTION - ROAD No.11
300362-CENG-1253	ROAD LONGITUDINAL SECTION - ROAD No.12 - SHEET 1
300362-CENG-1254	ROAD LONGITUDINAL SECTION - ROAD No.12 - SHEET 2
300362-CENG-1255	ROAD LONGITUDINAL SECTION - ROAD No.13
300362-CENG-1256	ROAD LONGITUDINAL SECTION - ROAD No.14

INDEX OF DRAWINGS

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300362-CENG-1302	ROUNDABOUT DRIVEWAYS PLAN - ROAD No.1 & ROAD No.12
300362-CENG-1303	ON STREET PARKING & TREE PLAN
300362-CENG-1401	STORMWATER DETAIL PLAN - SHEET 1
300362-CENG-1402	STORMWATER DETAIL PLAN - SHEET 2
300362-CENG-1403	STORMWATER DETAIL PLAN - SHEET 3
300362-CENG-1451	OVERALL BASIN PLAN
300362-CENG-1452	TYPICAL BASIN DETAILS
300362-CENG-1501	OVERALL SITE REGRADE PLAN
300362-CENG-1502	SITE REGRADE PLAN - SHEET 1
300362-CENG-1503	SITE REGRADE PLAN - SHEET 2
300362-CENG-1504	SITE REGRADE PLAN - SHEET 3
300362-CENG-1511	SITE SECTIONS - SHEET 1
300362-CENG-1512	SITE SECTIONS - SHEET 2
300362-CENG-1513	SITE SECTIONS - SHEET 3
300362-CENG-1514	SITE SECTIONS - SHEET 4
300362-CENG-1515	SITE SECTIONS - SHEET 5
300362-CENG-1516	SITE SECTIONS - SHEET 6
300362-CENG-1517	SITE SECTIONS - SHEET 7
300362-CENG-1518	SITE SECTIONS - SHEET 8
300362-CENG-1519	SITE SECTIONS - SHEET 9
300362-CENG-1520	SITE SECTIONS - SHEET 10
300362-CENG-1521	SITE SECTIONS - SHEET 11
300362-CENG-1522	SITE SECTIONS - SHEET 12
300362-CENG-1523	SITE SECTIONS - SHEET 13
300362-CENG-1524	SITE SECTIONS - SHEET 14
300362-CENG-1525	SITE SECTIONS - SHEET 15
300362-CENG-1526	SITE SECTIONS - SHEET 16
300362-CENG-1801	TRUNK SERVICING PLAN

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES

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ABN 62 129 445 398

CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: INDEX OF DRAWINGS

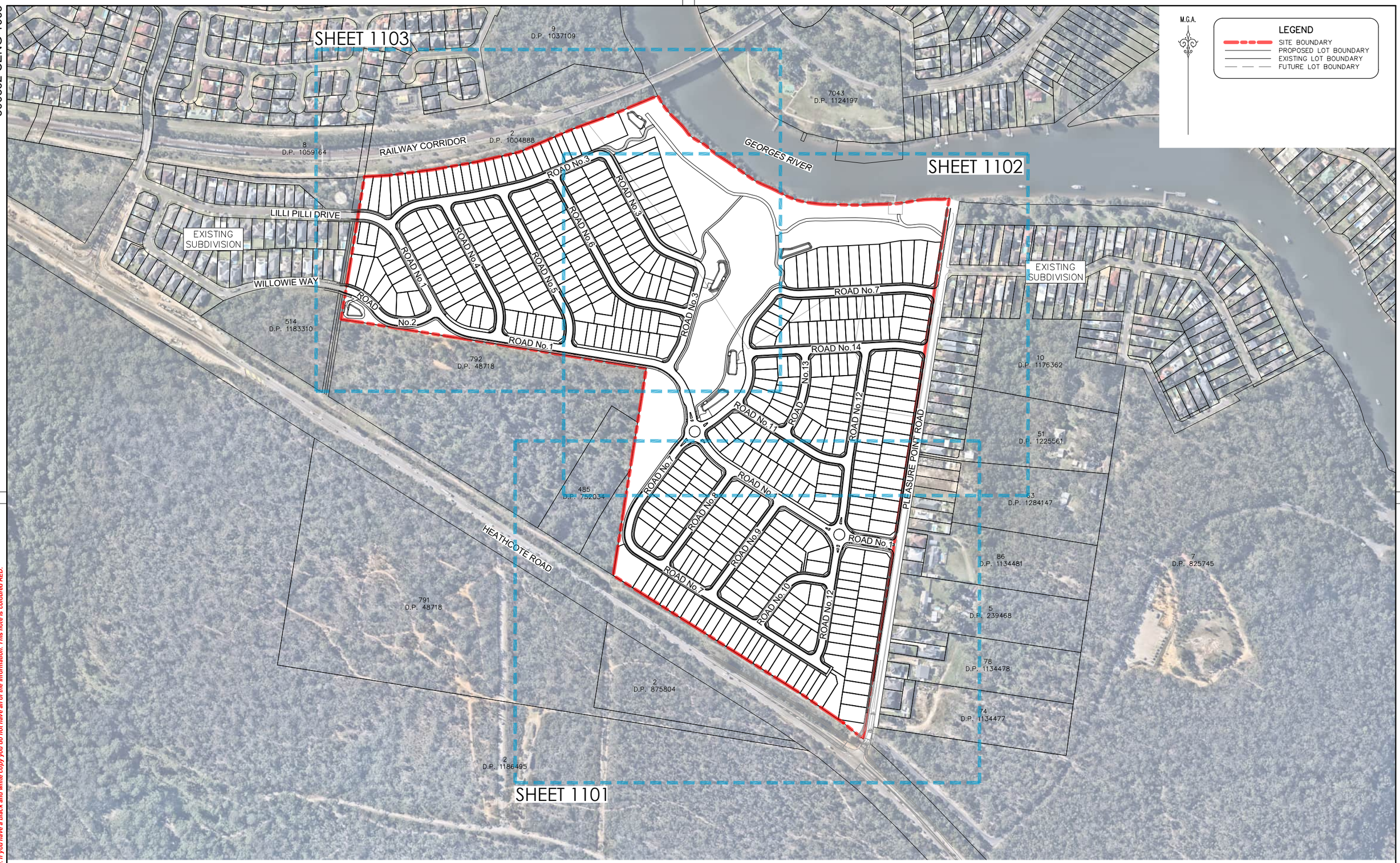
PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	1002	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:31:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1002.DWG

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300362-CENG-1003



OVERALL PLAN

SCALE 1:2500

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2500 / A3 1:5000 (0, 50, 100, 125m)

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: OVERALL SITE PLAN

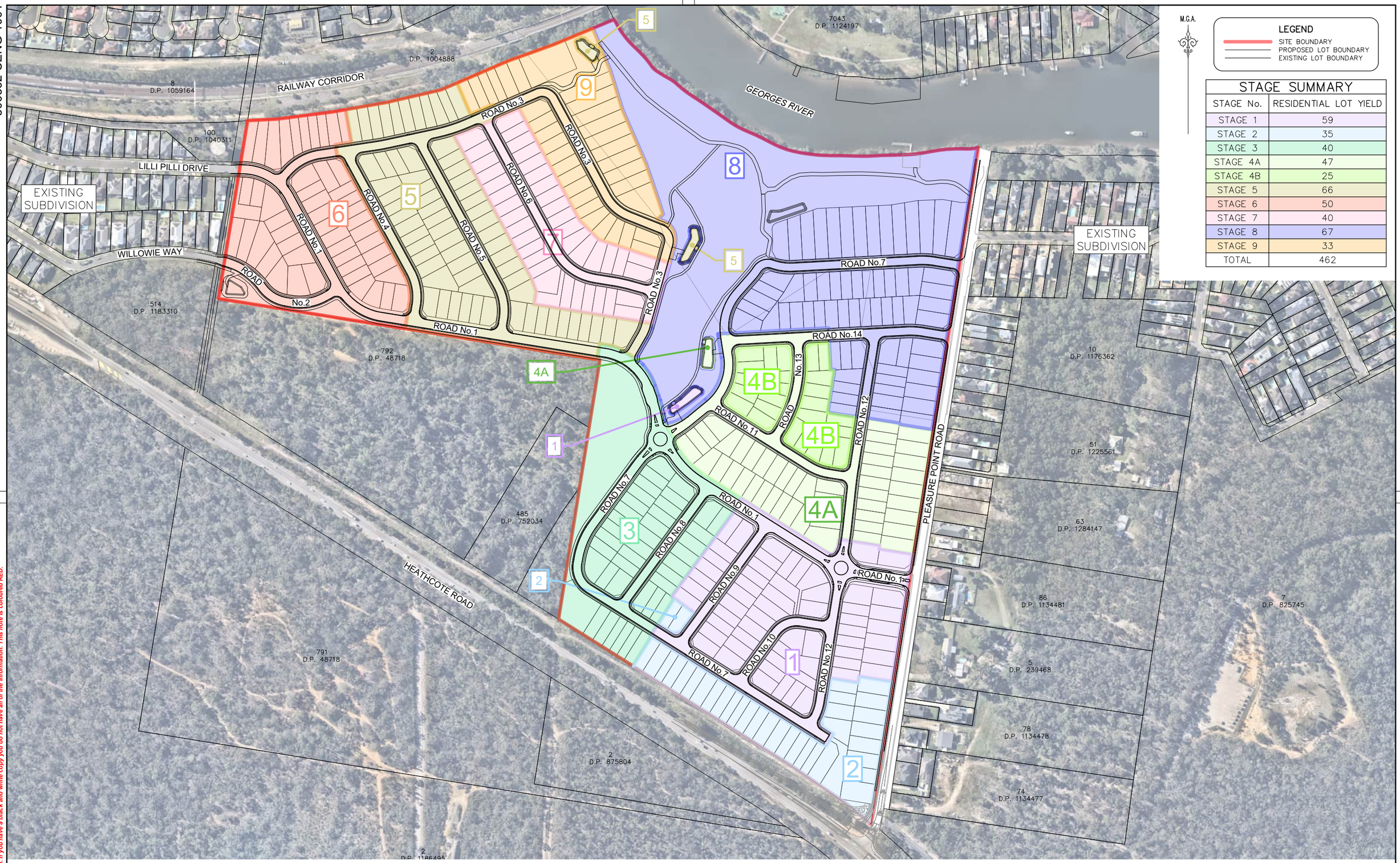
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1003	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:31:41PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1003.DWG

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300362-CENG-1004



STAGING PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STAGING PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1004	E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:31:49PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1004.DWG

300362-CENG-1005



TREE CLEARING PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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5 Pioneer Avenue,
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TREE CLEARING PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1005 REV. E

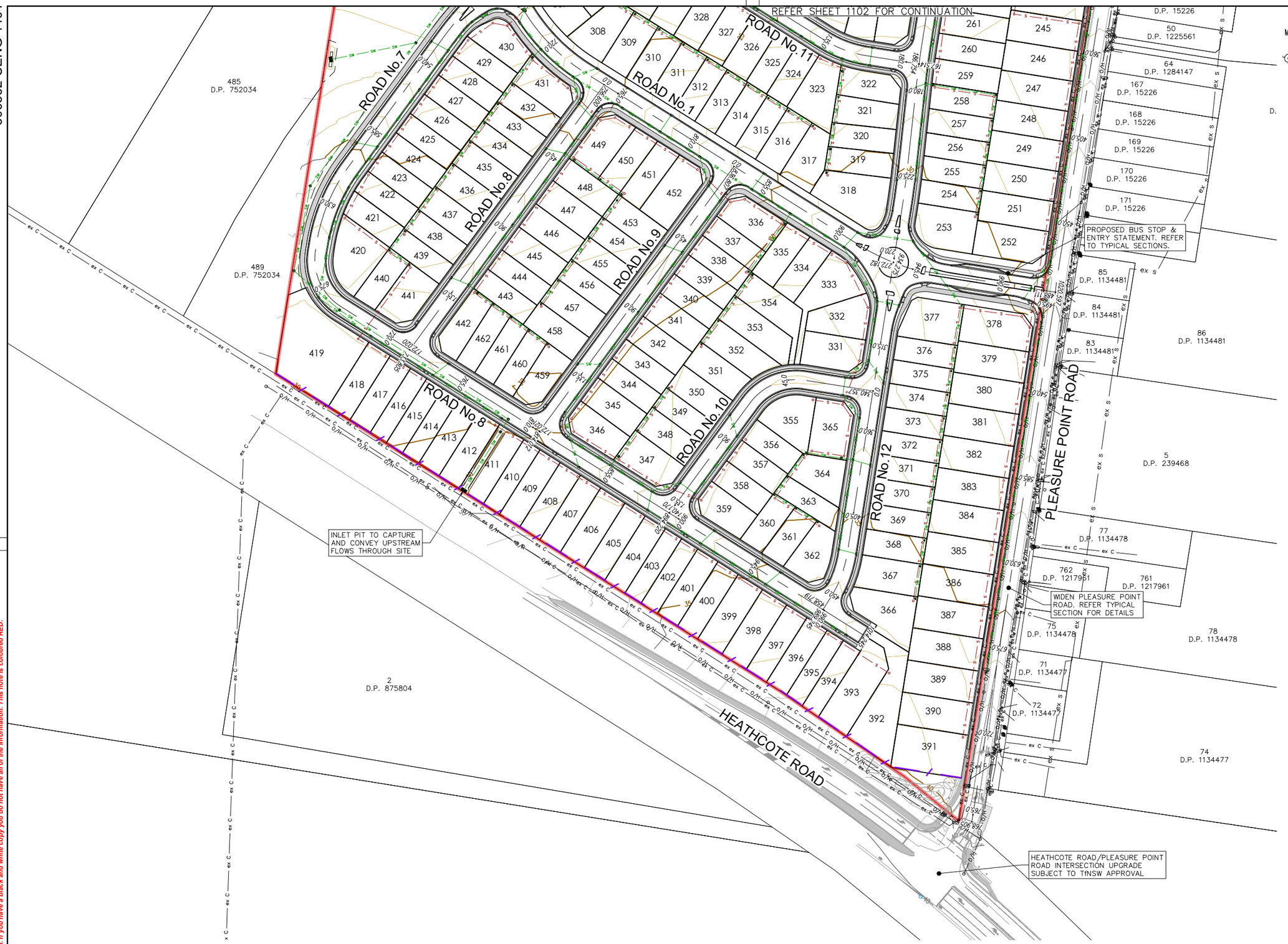
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:31:56PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1005.DWG

100mm AT FULL SIZE

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300362-CENG-1101

REFER SHEET 1102 FOR CONTINUATION



LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- ex sw — EXISTING STORMWATER
- ex s — EXISTING SEWER
- ex w — EXISTING WATER
- ex C — EXISTING COMMS
- ex e — EXISTING ELECTRICITY
- ex g — EXISTING GAS
- O/H — EXISTING OVERHEAD POWER
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS REFER SHEETS 1211–1212.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 1231–1256.

DETAIL PLAN

SCALE 1:1000

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: DETAIL PLAN SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1101 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1101.DWG

100mm AT FULL SIZE

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300362-CENG-1101

GEORGES RIVER

EXISTING DRIVEWAYS/PATHS TO BE UTILISED WHERE POSSIBLE WITHIN FORESHORE AND OPEN SPACE AREAS

UTILISE EXISTING DRIVEWAY FOR ACCESS TO JETTY CARPARK

FORMALISED CHANNEL TO CONVEY OVERLAND FLOWS & TO BE CONSTRUCTED AS PART OF STAGE 8

BASIN No.6. REFER SHEET 1451 FOR DETAILS

BASIN No.2. REFER SHEET 1451 FOR DETAILS

ROCK LINED BATTER FOR SCOUR PROTECTION

BASIN No.4. REFER SHEET 1451 FOR DETAILS

PROPOSED BUS BAY

BASIN No.3. REFER SHEET 1451 FOR DETAILS

FUTURE PARK LOCATION

WIDEN PLEASURE POINT ROAD. REFER TYPICAL SECTION FOR DETAILS

ROAD No.1
ROAD No.3
ROAD No.6
ROAD No.7
ROAD No.11
ROAD No.12
ROAD No.13
ROAD No.14
PLEASURE POINT ROAD

792 D.P. 48718
485 D.P. 752034
153 D.P. 15226
154 D.P. 15226
155 D.P. 15226
156 D.P. 15226
157 D.P. 15226
159 D.P. 15226
160 D.P. 15226
161 D.P. 15226
162 D.P. 15226
163 D.P. 15226
164 D.P. 15226
50 D.P. 1225561
64 D.P. 1284147
167 D.P. 15226
168 D.P. 15226
169 D.P. 15226
10 D.P. 1176362
11 D.P. 1176362
51 D.P. 1225561
63 D.P. 1284147

M.G.A.

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- ex sw — EXISTING STORMWATER
- ex s — EXISTING SEWER
- ex w — EXISTING WATER
- ex C — EXISTING COMMS
- ex e — EXISTING ELECTRICITY
- ex g — EXISTING GAS
- o/H — EXISTING OVERHEAD POWER
- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS REFER SHEETS 1211–1212.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 1231–1256.

REFER SHEET 1103 FOR CONTINUATION

REFER SHEET 1101 FOR CONTINUATION

DETAIL PLAN
SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: DETAIL PLAN SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1102 – REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1101.DWG

300362-CENG-1101



M.G.A.

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXTENTS OF BATTER
- PROPOSED FOOTPATH
- SW — PROPOSED STORMWATER
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- ACOUSTIC WALL
- TOP OF BANK
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. FOR TYPICAL ROAD CROSS SECTIONS REFER SHEETS 1211–1212.
2. FOR ROAD LONGITUDINAL SECTIONS REFER TO SHEETS 1231–1256.

DETAIL PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 (0, 25, 50m) A3 1:2000

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

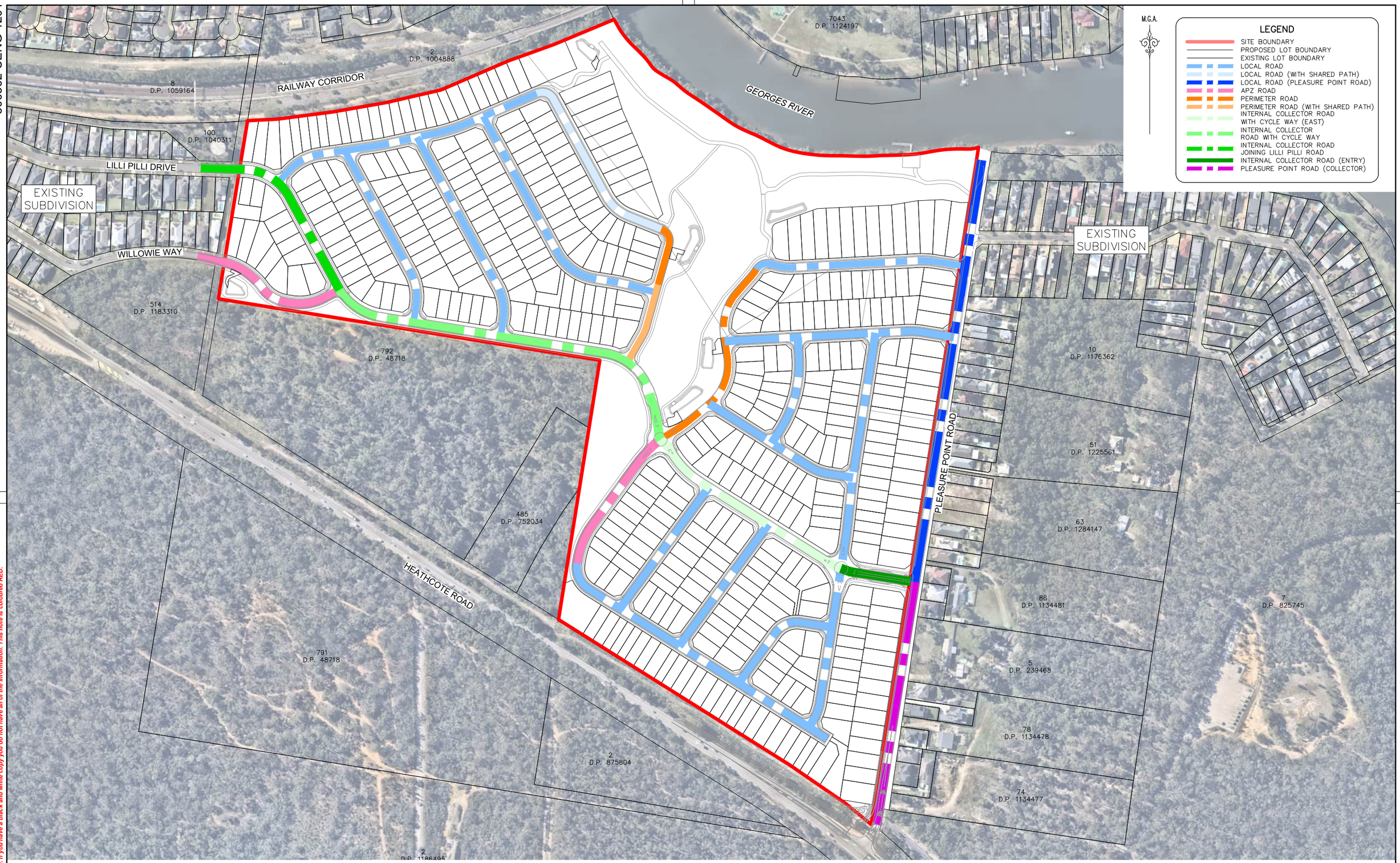
PLAN TITLE: DETAIL PLAN SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1103	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:12PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1101.DWG

300362-CENG-1201



ROAD HIERARCHY PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2000 — 0, 50, 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD HIERARCHY PLAN

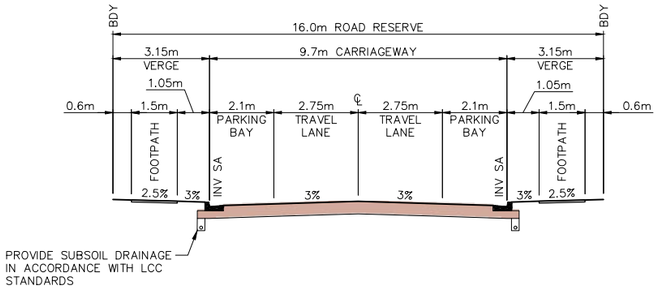
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1201	E

100mm AT FULL SIZE

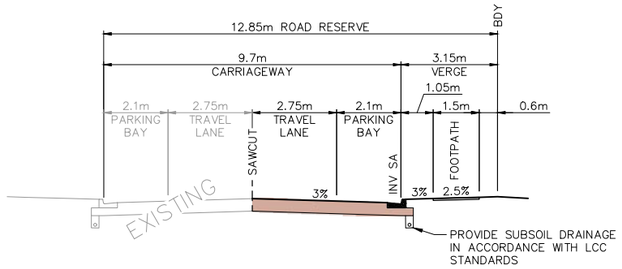
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:19PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1201.DWG

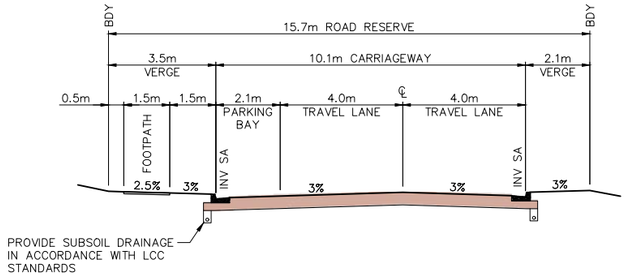
300362-CENG-1211



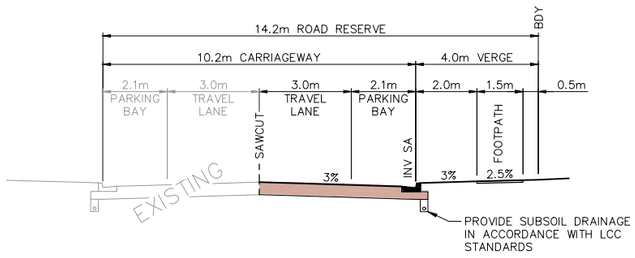
TYPICAL SECTION – LOCAL ROADS
(3.15 – 9.7 – 3.15)
SCALE 1:100



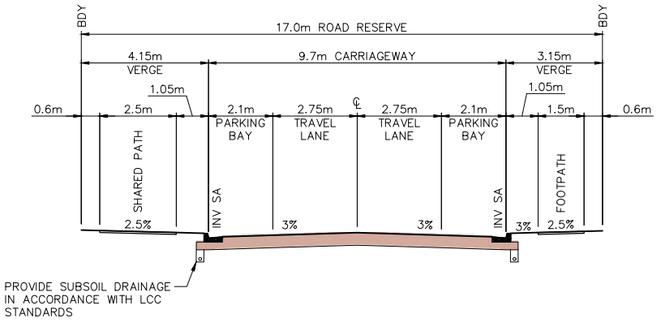
TYPICAL SECTION – LOCAL ROADS (PLEASURE POINT ROAD)
(3.15 – 9.7 – EXISTING)
SCALE 1:100



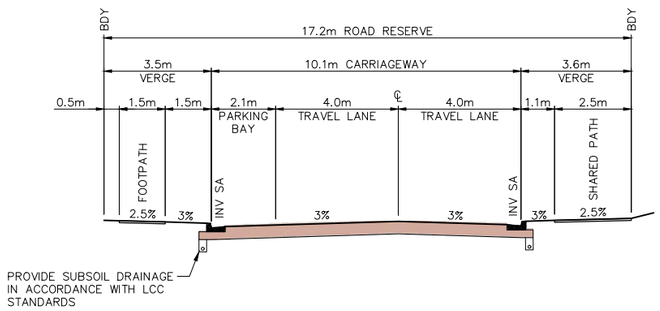
TYPICAL SECTION – PERIMETER ROAD ADJOINING C2 OPEN SPACE
(2.1 – 10.1 – 3.5)
SCALE 1:100



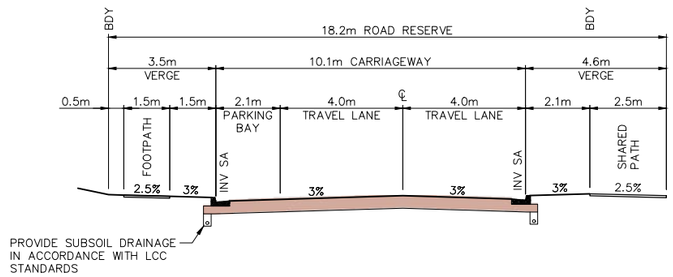
TYPICAL SECTION – COLLECTOR ROADS (PLEASURE POINT ROAD)
(4.0 – 10.2 – EXISTING)
SCALE 1:100



TYPICAL SECTION – LOCAL ROADS (WITH SHARED PATH)
(3.15 – 9.7 – 4.15)
SCALE 1:100



TYPICAL SECTION – APZ ROAD
(3.5 – 10.1 – 3.6)
SCALE 1:100



TYPICAL SECTION – PERIMETER ROAD ADJOINING C2 OPEN SPACE (WITH SHARED PATH)
(4.6 – 10.1 – 3.5)
SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:100 — 0 2.5 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

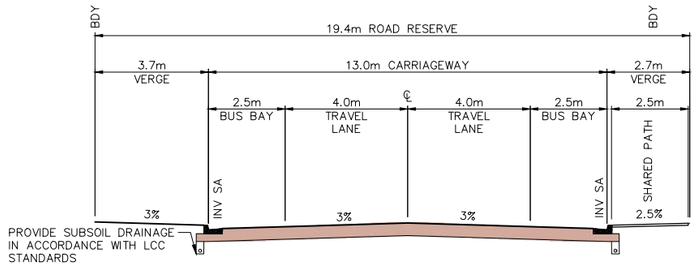
PLAN TITLE: TYPICAL ROAD CROSS SECTIONS SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1211 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:23PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1211.DWG

100mm AT FULL SIZE
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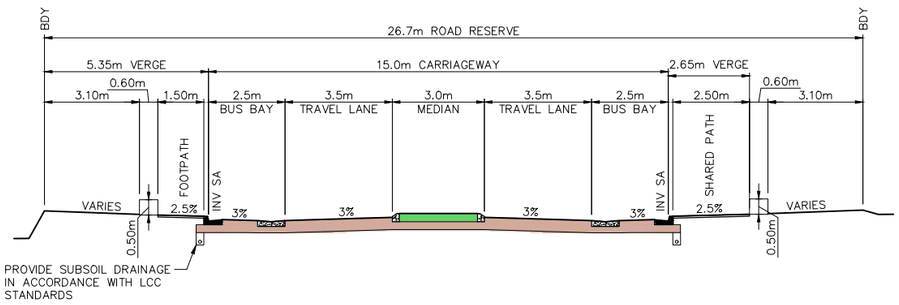
300362-CENG-1212



TYPICAL SECTION – INTERNAL COLLECTOR ROADS (WITH SHARED PATH & BUS BAY)

(4.0 – 10.2 – 4.0)

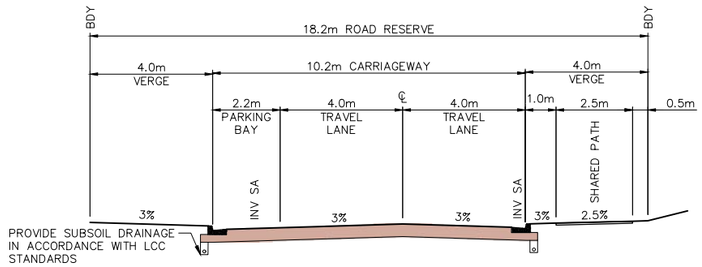
SCALE 1:100



TYPICAL SECTION – INTERNAL COLLECTOR ROAD – ENTRY (WITH BUS BAY)

(5.35 – 15 – 6.35)

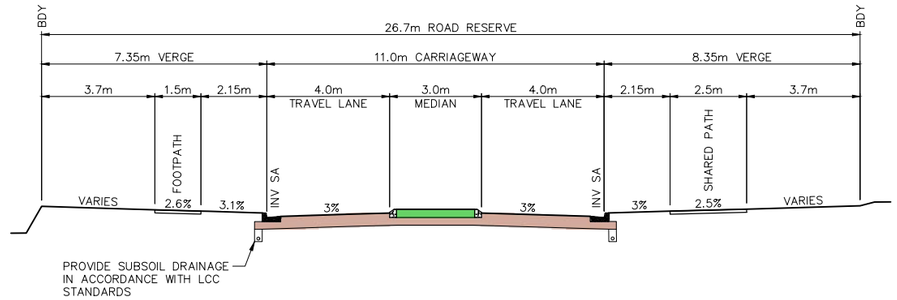
SCALE 1:100



TYPICAL SECTION – INTERNAL COLLECTOR ROADS (WITH SHARED PATH)

(4.0 – 10.2 – 4.0)

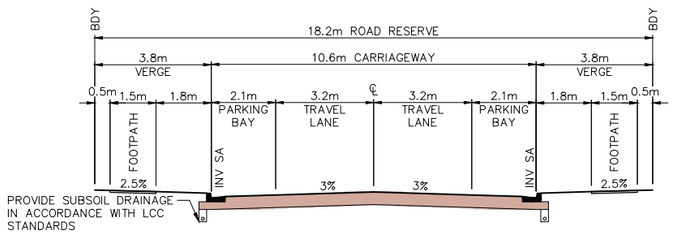
SCALE 1:100



TYPICAL SECTION – INTERNAL COLLECTOR ROAD – ENTRY

(7.35 – 11 – 8.35)

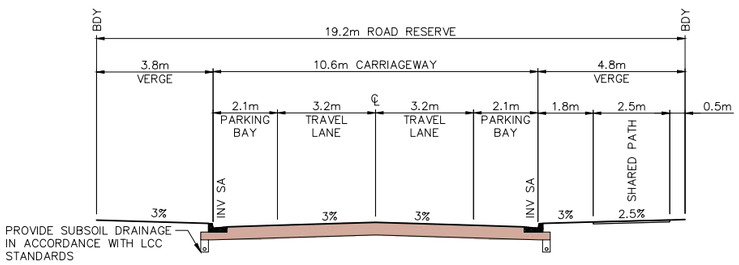
SCALE 1:100



TYPICAL SECTION – INTERNAL COLLECTOR ROADS (JOINING LILLI PILLI ROAD)

(4.0 – 10.2 – 4.0)

SCALE 1:100



TYPICAL SECTION – INTERNAL COLLECTOR ROADS (WITH SHARED PATH)

(4.0 – 10.2 – 5.0)

SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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5 Pioneer Avenue,
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TYPICAL ROAD CROSS SECTIONS SHEET 2

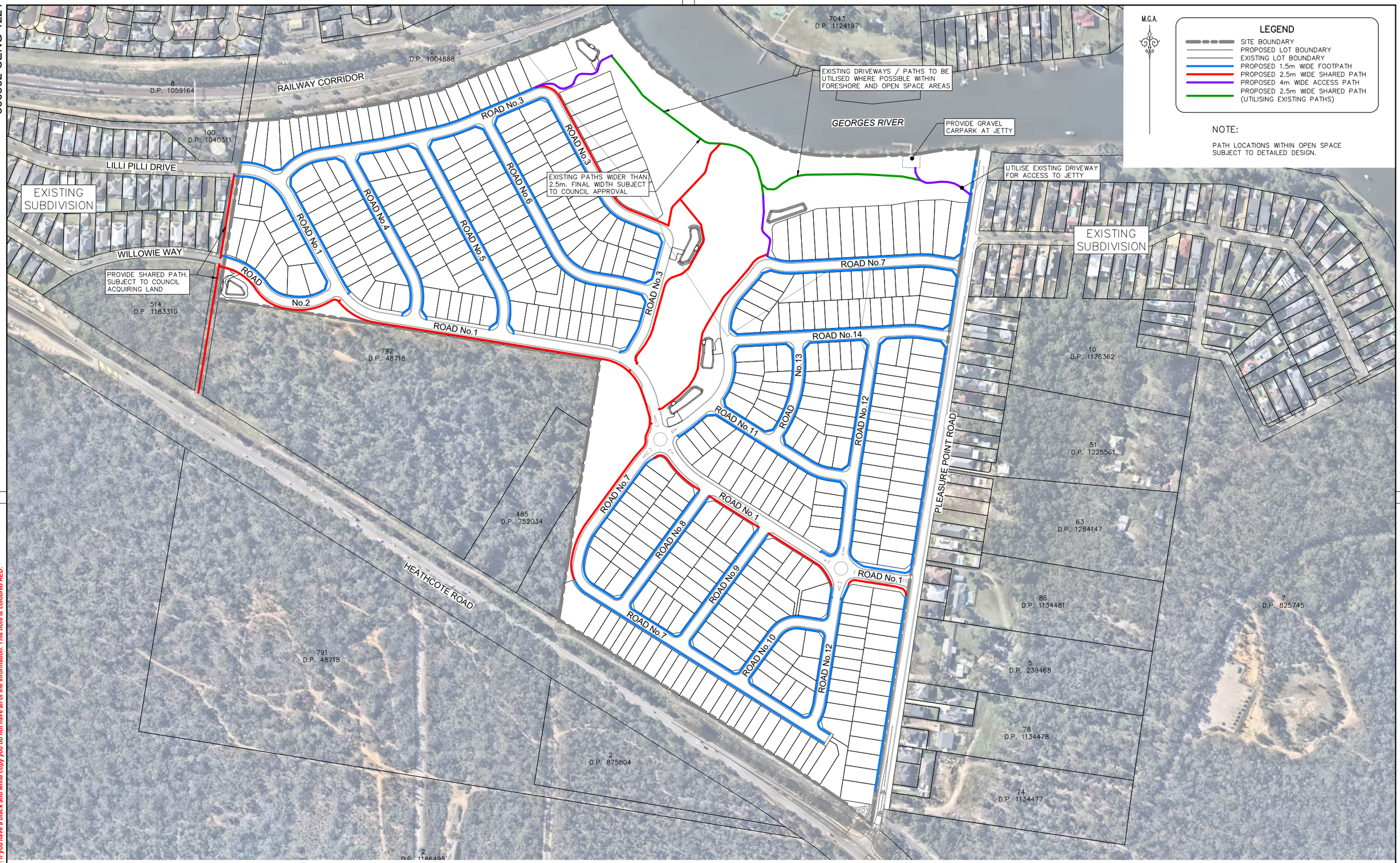
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1212 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1212.DWG

100mm AT FULL SIZE

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300362-CENG-1221



PROPOSED PATH LAYOUT PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

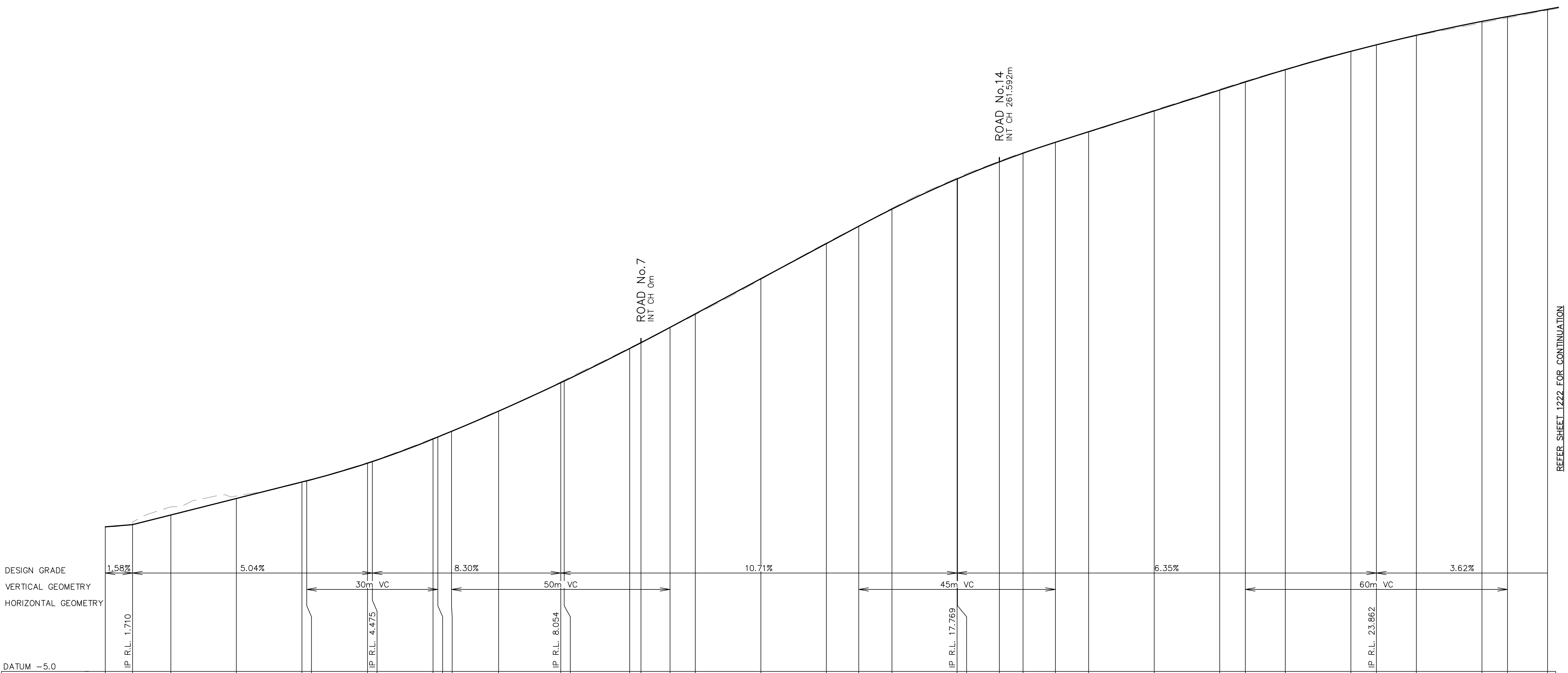
PLAN TITLE: PROPOSED PATH LAYOUT PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1221	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:33PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1221.DWG

100mm AT FULL SIZE

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DESIGN LEVEL	1.61	1.71	2.15	2.91	3.66	3.72	4.52	4.6	5.63	5.72	5.98	6.9	8.21
EXISTING SURFACE	1.61	1.71	2.52	3.02	3.64	3.7	4.54	4.62	5.66	5.74	5.99	6.92	8.24
CUT\FILL	−0	−0	−0.37	−0.12	0.02	0.02	−0.02	−0.02	−0.03	−0.02	−0.01	−0.02	−0.04
CHAINAGE	0	6.25	15	30	45	46.1	60	61.1	75	76.1	79.22	90	104.22

DESIGN LEVEL	8.28	9.77	10.03	10.73	11.35	12.96	14.57	15.36	16.15	17.52	17.53	18.3	18.7
EXISTING SURFACE	8.32	9.8	10.06	10.73	11.31	12.92	14.6	15.35	16.18	17.57	17.58	18.34	18.73
CUT\FILL	−0.04	−0.03	−0.03	0	0.04	0.03	−0.04	0.01	−0.04	−0.05	−0.05	−0.03	−0.03
CHAINAGE	105	120	122.57	129.22	135	150	165	172.39	180	194.89	195	204.58	210

DESIGN LEVEL	19.2	19.68	20.63	21.59	21.96	22.52	23.36	23.66	24.09	24.73	24.95	25.28
EXISTING SURFACE	19.2	19.66	20.67	21.63	21.99	22.54	23.37	23.66	24.07	24.66	24.89	25.24
CUT\FILL	−0	0.02	−0.04	−0.04	−0.03	−0.02	−0.01	−0	0.02	0.07	0.06	0.04
CHAINAGE	217.39	225	240	255	260.85	270	285	290.85	300	315	320.85	330

LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
PLEASURE POINT ROAD
SHEET 1

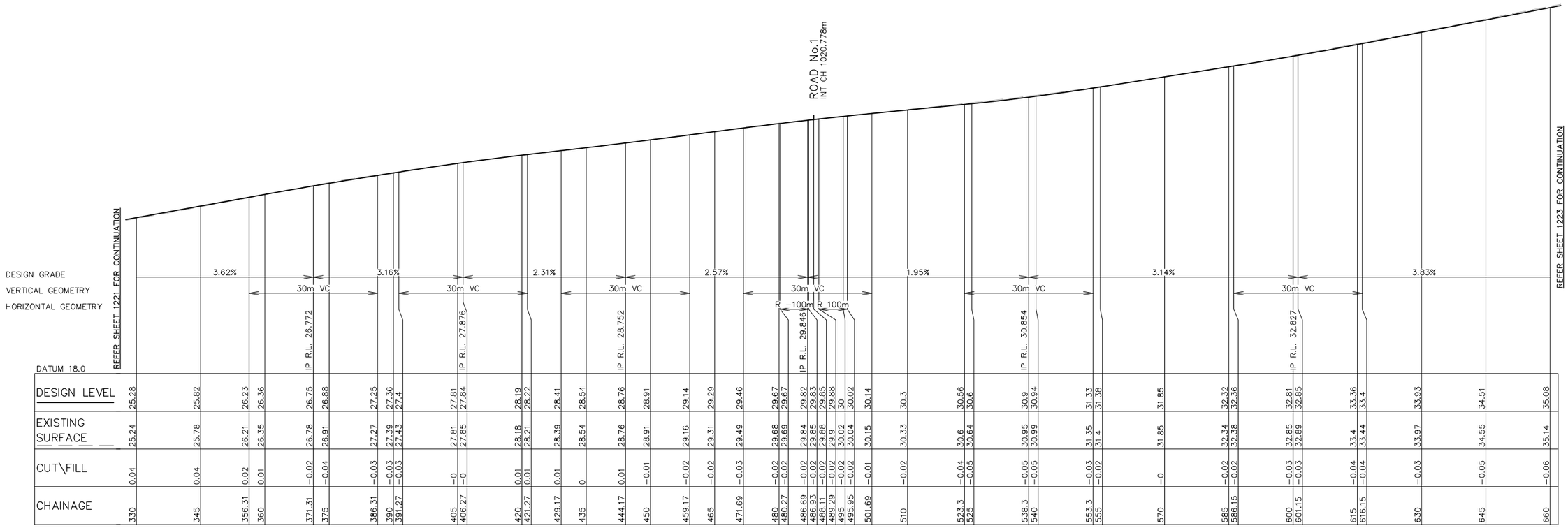
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1231 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:38PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1231.DWG

100mm AT FULL SIZE

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300362-CENG-1232



LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS PLEASURE POINT ROAD SHEET 2

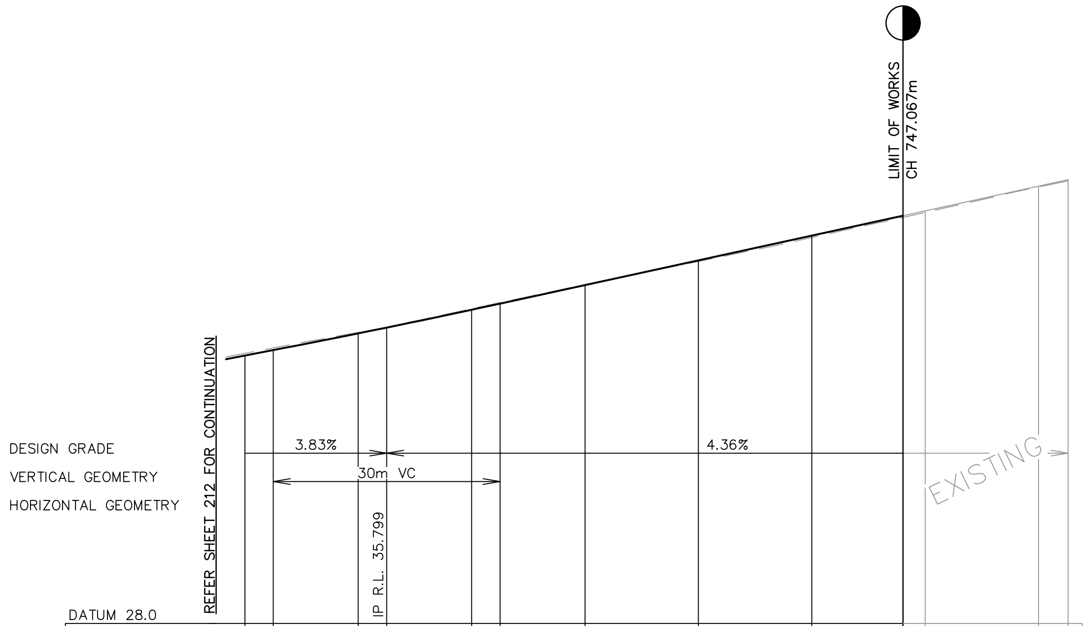
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1232	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:43PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1232.DWG

100mm AT FULL SIZE

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300362-CENG-1233



DESIGN LEVEL	EXISTING SURFACE	CUT\FILL	CHAINAGE
35.08	35.14	-0.06	660
35.22	35.28	-0.06	663.76
35.67	35.69	-0.02	675
35.82	35.83	-0.01	678.76
36.29	36.32	-0.03	690
36.45	36.48	-0.03	693.76
36.94	36.96	-0.01	705
37.6	37.57	0.03	720
38.25	38.2	0.05	735
38.78	38.73	0.05	747.06
38.9	38.86	0.04	750
39.56	39.54	0.02	765
39.73	39.7	0.03	768.91

LONGITUDINAL SECTION – PLEASURE POINT ROAD – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

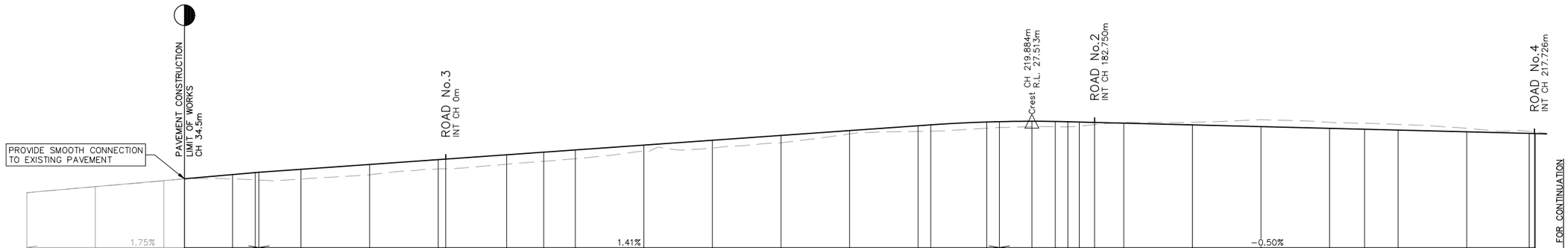
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
PLEASURE POINT ROAD
SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1233	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1233.DWG

300362-CENG-1234



CHAINAGE	0	15	30	34.5	45	50.01	50.8	60	75	90	91.66	105	113.11	120	135	150	165	180	195	197.77	210	212.77	219.88	225	227.77	230.26	233.6	240	255	270	285	292.65	300	315	328.69	329.83	330
DESIGN LEVEL	24.4	24.66	24.92	25.01	25.19	25.27	25.29	25.42	25.63	25.84	25.86	26.05	26.16	26.26	26.47	26.68	26.9	27.11	27.32	27.36	27.48	27.5	27.51	27.5	27.48	27.46	27.43	27.36	27.28	27.21	27.17	27.13	27.06	26.99	26.98	26.98
EXISTING SURFACE	24.39	24.66	24.92	24.94	25	24.95	24.95	24.99	25.18	25.43	25.44	25.64	25.77	25.88	26.2	26.34	26.57	26.96	27.07	27.08	27.21	27.24	27.28	27.28	27.27	27.3	27.36	27.47	27.58	27.47	27.42	27.37	27.21	27.07	27.05	27.04
CUT\FILL	0.01	0.01	0.01	0.07	0.19	0.32	0.34	0.43	0.45	0.41	0.42	0.41	0.4	0.38	0.27	0.34	0.32	0.15	0.25	0.28	0.27	0.26	0.23	0.23	0.22	0.18	0.1	−0.04	−0.11	−0.3	−0.26	−0.26	−0.24	−0.15	−0.08	−0.07	−0.07

LONGITUDINAL SECTION — ROAD No.1 — SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 1

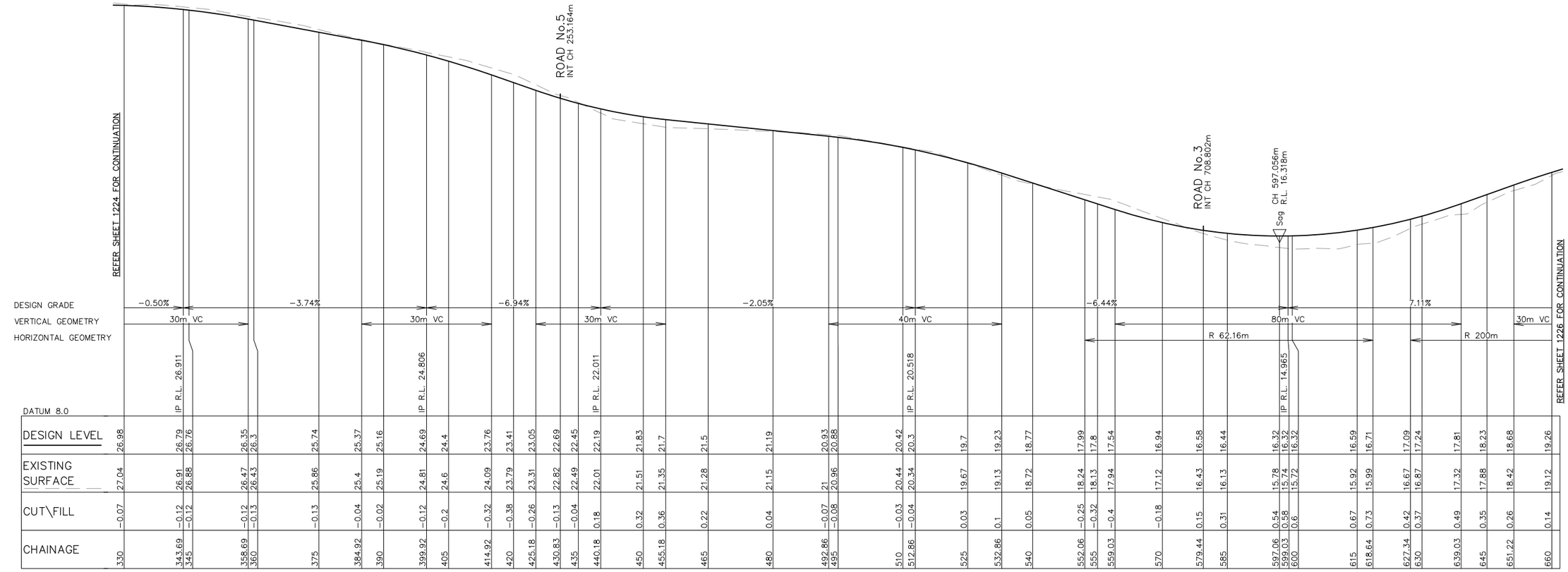
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1234	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:53PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1234.DWG

100mm AT FULL SIZE

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300362-CENG-1235



LONGITUDINAL SECTION – ROAD No.1 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

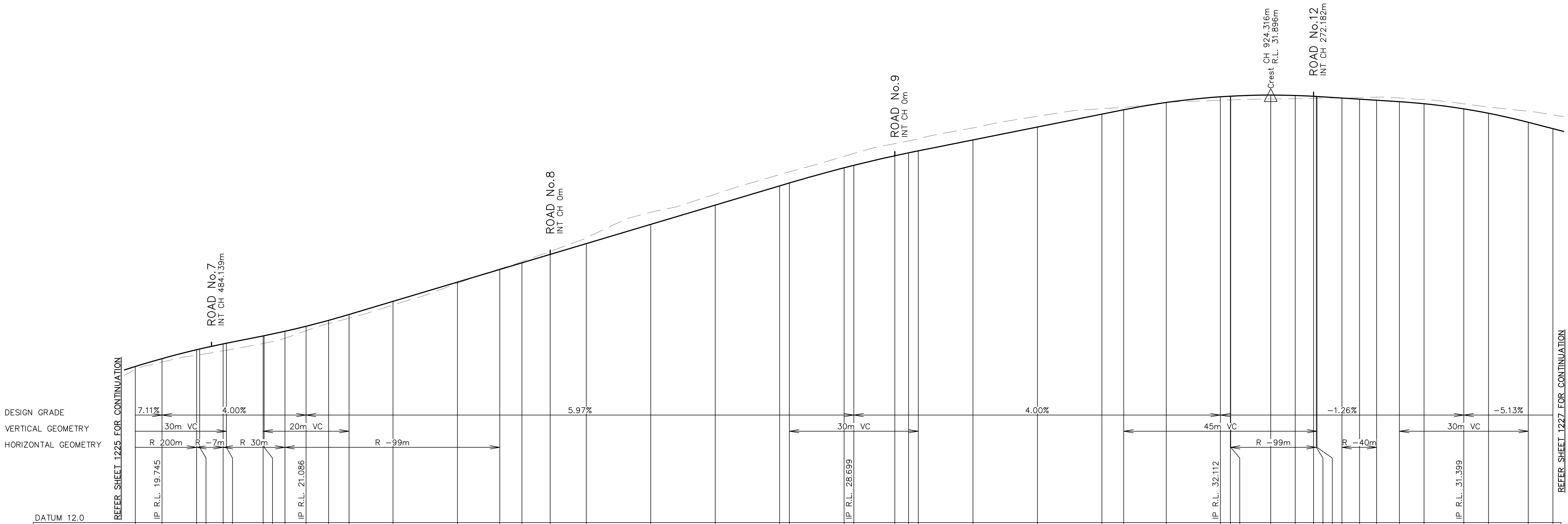
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1235 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:32:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1235.DWG

100mm AT FULL SIZE

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CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
660	19.26	19.12	0.14
666.22	19.63	19.47	0.16
674.3	20.04	19.79	0.25
675	20.08	19.81	0.26
680.45	20.31	19.99	0.32
681.22	20.34	20.02	0.33
689.76	20.69	20.33	0.35
690	20.7	20.34	0.35
694.85	20.9	20.58	0.33
699.76	21.14	20.92	0.21
705	21.41	21.26	0.15
709.76	21.68	21.51	0.17
720	22.29	22.12	0.17
735	23.19	23.13	0.06
744.85	23.78	23.81	−0.03
750	24.09	24.14	−0.06
756.6	24.48	24.62	−0.14
765	24.98	25.25	−0.27
780	25.88	26.44	−0.56
795	26.77	27.29	−0.51
810	27.67	28.19	−0.53
812.26	27.8	28.33	−0.52
825	28.51	29.04	−0.53
827.26	28.62	29.18	−0.55
836.81	29.07	29.63	−0.56
840	29.21	29.76	−0.55
842.26	29.3	29.86	−0.56
855	29.81	30.37	−0.56
870	30.41	30.91	−0.5
885	31.01	31.26	−0.25
890.08	31.21	31.33	−0.12
900	31.55	31.57	−0.02
912.58	31.82	31.65	0.16
914.92	31.84	31.67	0.17
915	31.85	31.67	0.17
924.32	31.9	31.72	0.18
930	31.88	31.73	0.15
934.27	31.84	31.74	0.09
934.92	31.83	31.75	0.08
935.08	31.83	31.75	0.08
940.89	31.76	31.76	−0.01
945	31.7	31.78	−0.08
948.96	31.65	31.8	−0.15
954.25	31.59	31.76	−0.17
960	31.49	31.68	−0.19
969.25	31.25	31.49	−0.23
975	31.05	31.34	−0.29
984.25	30.63	31.14	−0.52
990	30.33	30.97	−0.64

LONGITUDINAL SECTION – ROAD No.1 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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adw johnson
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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

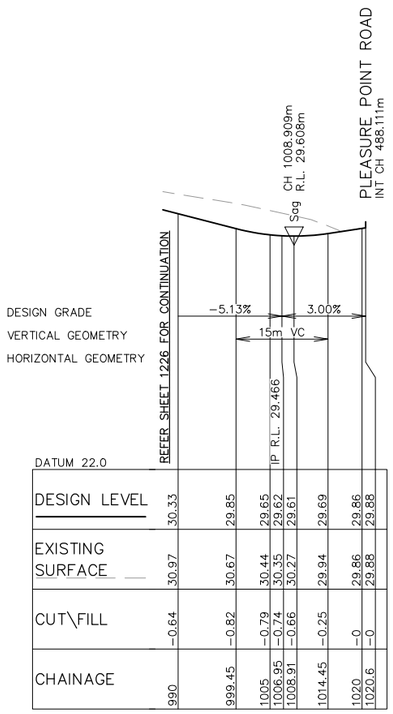
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.1
SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1236 — REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:03PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1236.DWG

300362-CENG-1237



LONGITUDINAL SECTION – ROAD No.1 – SHEET 4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED ADW Johnson
DATUM GDA2020 M.G.A. ZONE 56 A.H.D.

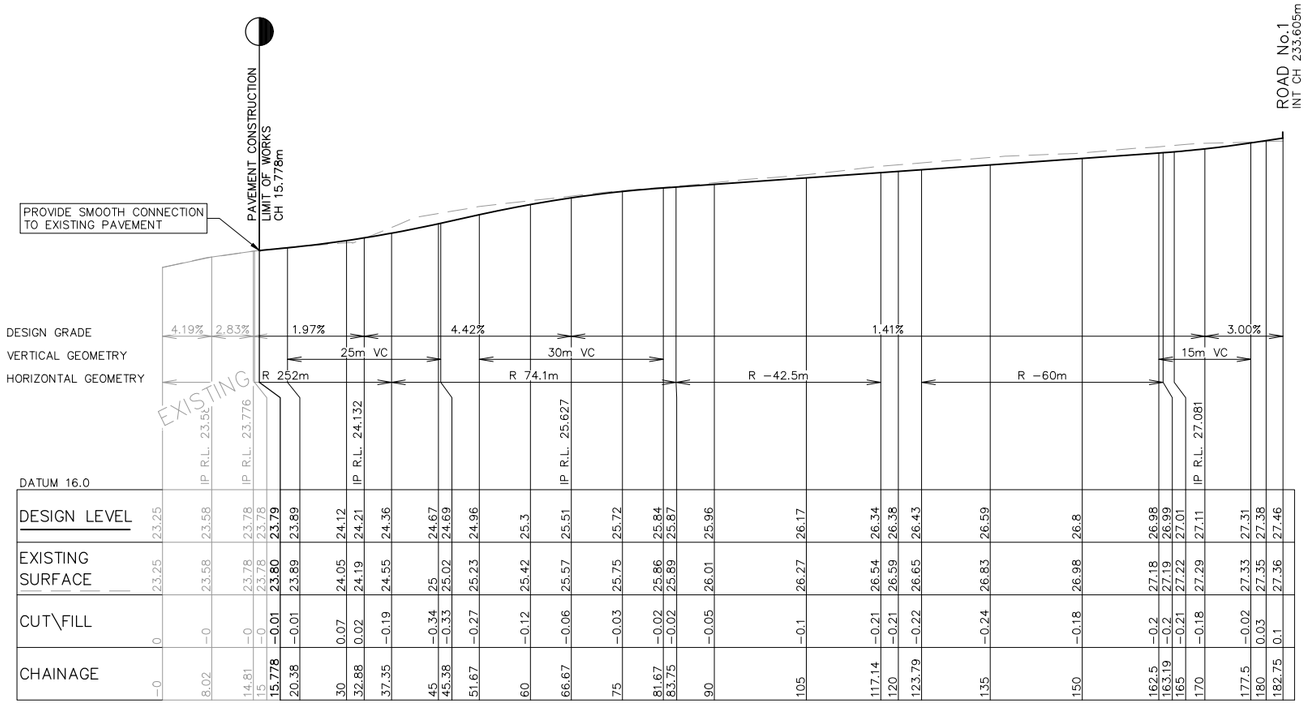
PROJECT PROPOSED SUBDIVISION
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 4

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1237	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1237.DWG

300362-CENG-1238



CHAINAGE	EXISTING SURFACE	CUT\FILL	DESIGN LEVEL
0	23.25	0	23.25
8.02	23.58	−0	23.58
14.81	23.78	−0	23.78
15	23.78	−0	23.78
15.778	23.80	−0.01	23.79
20.38	23.89	−0.01	23.89
30	24.05	0.07	24.12
32.88	24.19	0.02	24.21
37.35	24.55	−0.19	24.36
45	25	−0.34	24.67
45.38	25.02	−0.33	24.69
51.67	25.23	−0.27	24.96
60	25.42	−0.12	25.3
66.67	25.57	−0.06	25.51
75	25.75	−0.03	25.72
81.67	25.86	−0.02	25.84
83.75	25.89	−0.02	25.87
90	26.01	−0.05	25.96
105	26.27	−0.1	26.17
117.14	26.54	−0.21	26.34
120	26.59	−0.21	26.38
123.79	26.65	−0.22	26.43
135	26.83	−0.24	26.59
150	26.98	−0.18	26.8
162.5	27.18	−0.2	26.98
163.19	27.19	−0.2	26.99
165	27.22	−0.21	27.01
170	27.29	−0.18	27.11
177.5	27.33	−0.02	27.31
180	27.35	0.03	27.38
182.75	27.36	0.1	27.46

LONGITUDINAL SECTION – ROAD No.2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

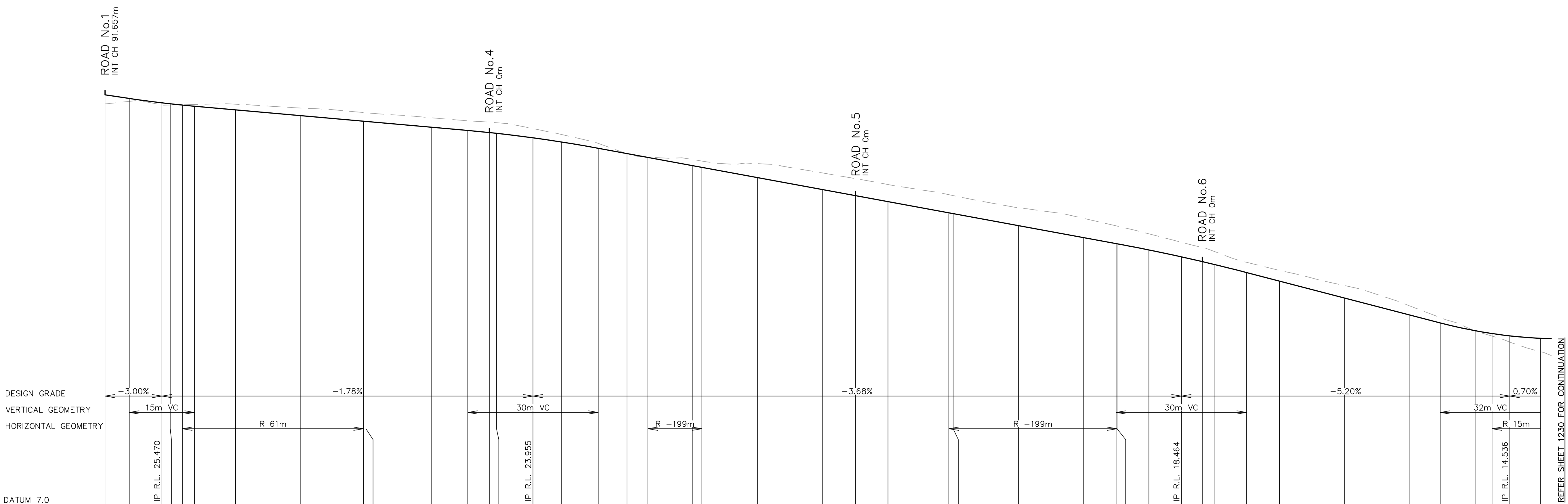
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1238 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:13PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1238.DWG

100mm AT FULL SIZE
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300362-CENG-1239



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	25.86	25.44	0.42
5.58	25.69	25.56	0.13
13.08	25.49	25.4	0.09
15	25.45	25.39	0.06
17.79	25.39	25.4	−0.01
20.58	25.34	25.42	−0.08
30	25.17	25.43	−0.26
45	24.9	25.25	−0.35
59.44	24.65	25.05	−0.4
60	24.64	25.04	−0.4
75	24.37	24.81	−0.44
83.4	24.22	24.66	−0.44
88.36	24.13	24.61	−0.48
90	24.09	24.58	−0.49
98.4	23.88	24.31	−0.42
105	23.69	24.03	−0.35
113.4	23.4	23.63	−0.22
120	23.16	23.15	0.01
124.82	22.98	23	−0.02
135	22.61	22.89	−0.28
137.24	22.52	22.81	−0.29
150	22.05	22.69	−0.64
165	21.5	22.26	−0.76
172.58	21.22	22	−0.78
180	20.95	21.73	−0.79
194	20.43	21.27	−0.83
195	20.4	21.23	−0.83
210	19.84	20.66	−0.82
225	19.29	20.18	−0.89
232.46	19.02	19.83	−0.82
232.67	19.01	19.82	−0.82
240	18.72	19.47	−0.74
247.46	18.41	19.08	−0.67
252.27	18.19	18.84	−0.65
255	18.06	18.66	−0.6
262.46	17.68	18.15	−0.47
270	17.29	17.78	−0.49
285	16.51	17.09	−0.57
300	15.73	16.15	−0.42
306.97	15.37	15.61	−0.24
315	15.01	15	0.01
318.9	14.88	14.76	0.12
322.97	14.77	14.48	0.29
330	14.66	14.04	0.62

LONGITUDINAL SECTION – ROAD No.3 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

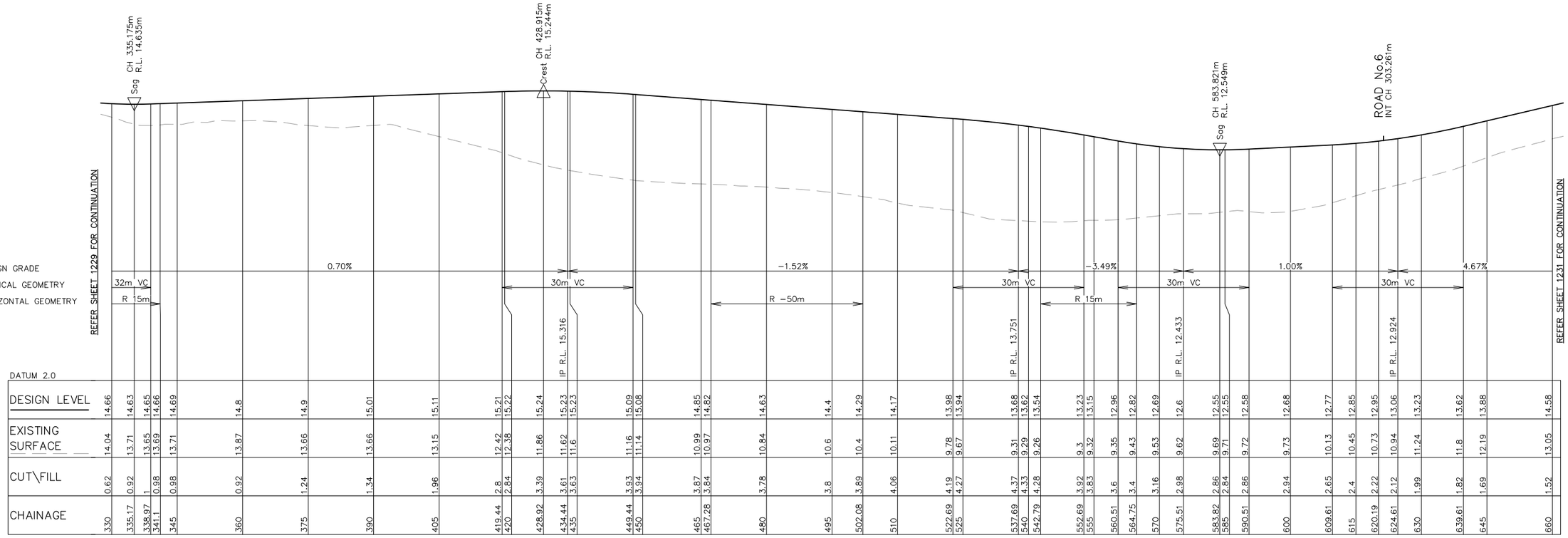
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
ROAD No.3
SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1239	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:17PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1239.DWG

300362-CENG-1240



LONGITUDINAL SECTION – ROAD No.3 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

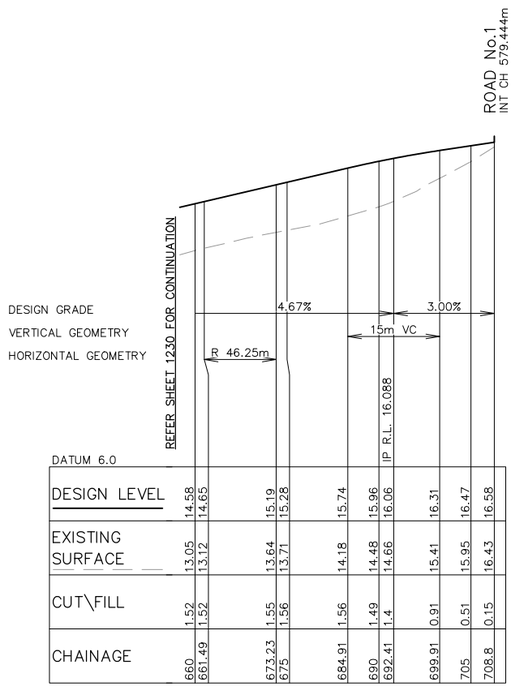
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.3 SHEET 2

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1240	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:22PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1240.DWG

300362-CENG-1241



LONGITUDINAL SECTION – ROAD No.3 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

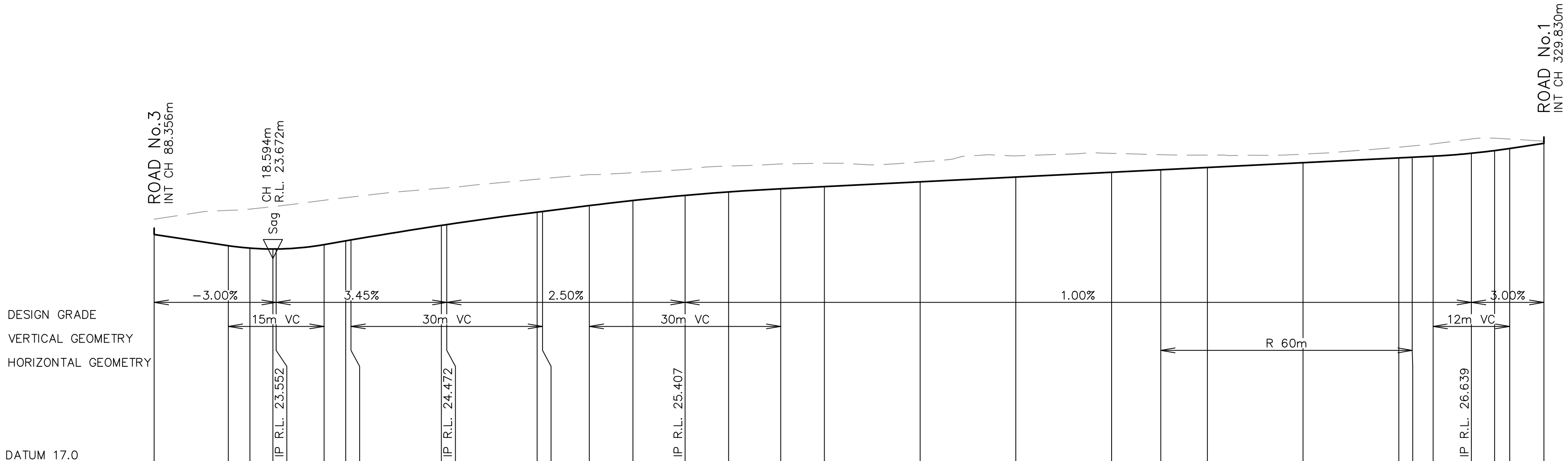
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.3 SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1241	E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:27PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1241.DWG

300362-CENG-1242



DESIGN LEVEL	24.13	23.78	23.7	23.67	23.67	23.81	23.93	23.96	24.41	24.44	24.83	24.85	25.03	25.19	25.35	25.46
EXISTING SURFACE	24.61	24.88	24.92	25	25.01	25.2	25.28	25.3	25.58	25.59	25.86	25.87	26	26.06	26.16	26.27
CUT\FILL	-0.48	-1.1	-1.22	-1.32	-1.33	-1.39	-1.35	-1.34	-1.16	-1.15	-1.03	-1.02	-0.97	-0.87	-0.81	-0.81
CHAINAGE	0	11.61	15	18.59	19.11	26.61	30	30.84	45	45.84	60	60.84	68.17	75	83.17	90

DESIGN LEVEL	25.56	25.63	25.78	25.93	26.08	26.15	26.23	26.38	26.53	26.55	26.58	26.67	26.75	26.82	26.98
EXISTING SURFACE	26.34	26.36	26.4	26.59	26.67	26.63	26.61	26.64	26.86	26.9	26.96	27.12	27.14	27.11	27.05
CUT\FILL	-0.78	-0.73	-0.62	-0.67	-0.59	-0.47	-0.39	-0.27	-0.34	-0.35	-0.38	-0.45	-0.39	-0.29	-0.07
CHAINAGE	98.17	105	120	135	150	157.7	165	180	195	197.1	200.38	206.38	210	212.38	217.73

LONGITUDINAL SECTION – ROAD No.4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

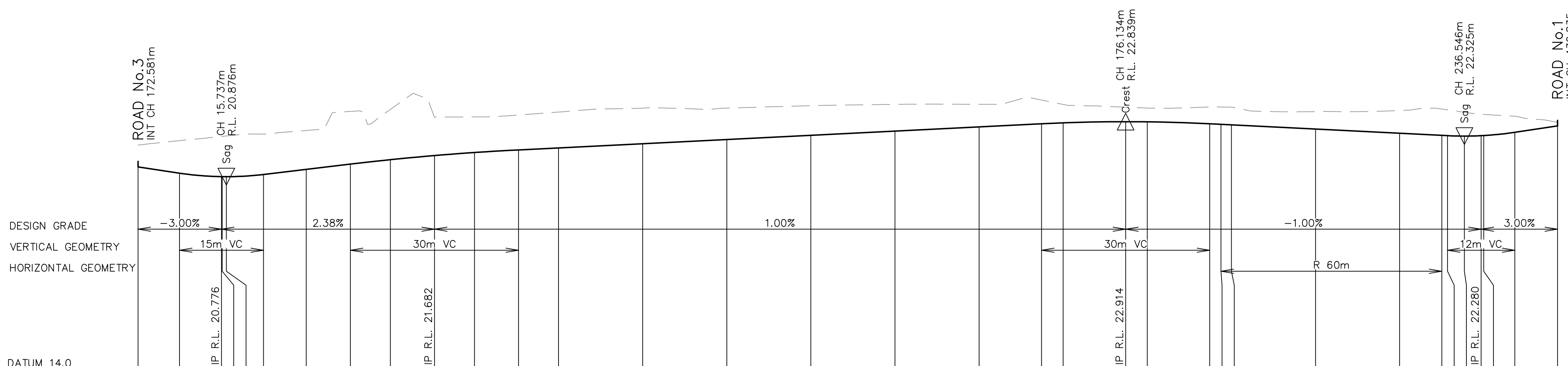
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.4

PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	1242	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:32PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1242.DWG

300362-CENG-1243



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	21.22	22	−0.78
7.38	21	22.16	−1.16
14.88	20.88	22.31	−1.43
15	20.88	22.31	−1.44
15.74	20.88	22.33	−1.45
22.38	20.96	22.4	−1.44
30	21.14	22.52	−1.39
37.86	21.32	23.21	−1.88
45	21.48	23.28	−1.8
52.86	21.63	23	−1.37
60	21.74	23.01	−1.27
67.86	21.83	23.08	−1.25
75	21.9	23.18	−1.28
90	22.05	23.33	−1.27
105	22.2	23.32	−1.12
120	22.35	23.41	−1.06
135	22.5	23.46	−0.95
150	22.65	23.46	−0.81
161.13	22.76	23.61	−0.85
165	22.8	23.46	−0.66
176.13	22.84	23.36	−0.52
180	22.83	23.33	−0.49
191.13	22.76	23.37	−0.6
193.14	22.74	23.36	−0.62
195	22.73	23.36	−0.63
210	22.58	23.2	−0.62
225	22.43	23.24	−0.81
232.54	22.35	23.29	−0.94
233.55	22.34	23.26	−0.92
236.55	22.33	23.17	−0.85
239.55	22.34	23.11	−0.77
240	22.35	23.1	−0.75
245.55	22.46	23.03	−0.57
253.16	22.69	22.82	−0.13

LONGITUDINAL SECTION – ROAD No.5

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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adw johnson
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

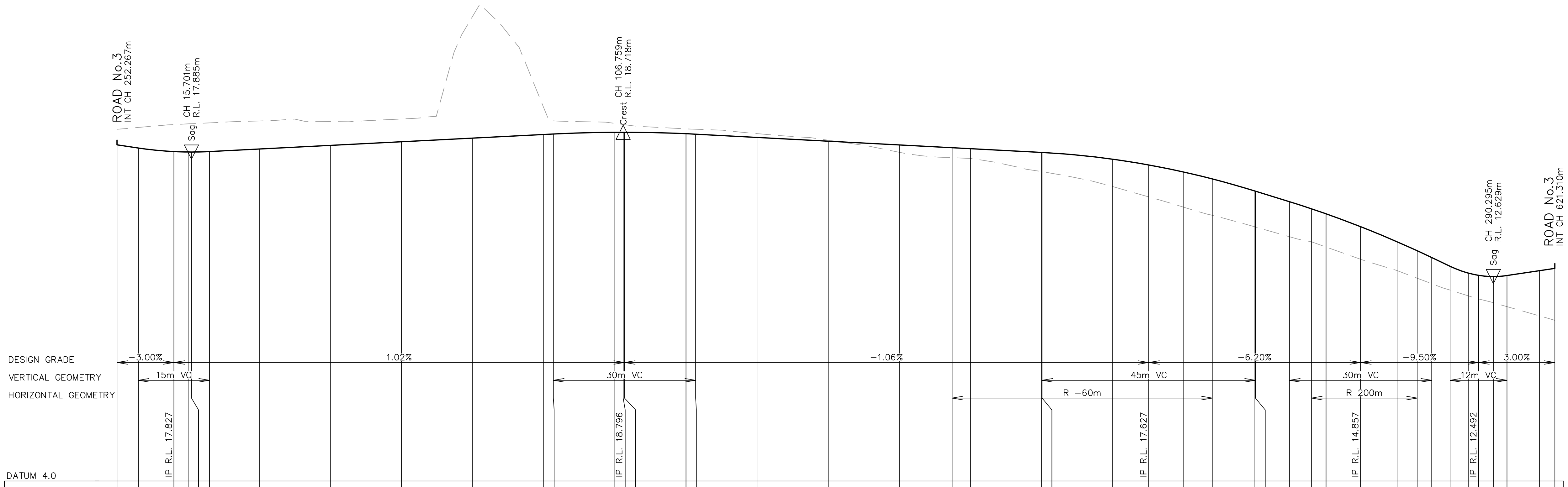
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.5

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1243 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:36PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1243.DWG

300362-CENG-1244



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	18.19	18.84	−0.65
4.5	18.05	18.92	−0.87
12	17.9	19.04	−1.14
15	17.89	19.07	−1.19
15.7	17.88	19.08	−1.19
19.5	17.9	19.11	−1.21
30	18.01	19.2	−1.18
45	18.16	19.17	−1.01
60	18.32	19.28	−0.96
75	18.47	23.61	−5.14
90	18.62	19.75	−1.13
92.03	18.64	19.2	−0.56
105	18.72	19.09	−0.38
106.76	18.72	19.05	−0.33
107.03	18.72	19.04	−0.32
120	18.66	18.86	−0.21
122.03	18.64	18.85	−0.21
135	18.5	18.66	−0.16
150	18.34	18.38	−0.04
165	18.18	17.87	0.31
176.15	18.07	17.65	0.42
180	18.02	17.61	0.41
195	17.87	17.06	0.8
195.1	17.86	17.06	0.8
210	17.58	16.43	1.15
217.6	17.34	15.99	1.34
225	17.04	15.56	1.48
230.99	16.75	15.22	1.53
240	16.24	14.73	1.51
240.1	16.23	14.72	1.51
247.29	15.79	14.31	1.48
251.96	15.49	14.09	1.39
255	15.28	13.88	1.4
262.29	14.73	13.36	1.38
270	14.09	12.88	1.22
274.23	13.72	12.56	1.16
277.29	13.43	12.33	1.1
281.17	13.06	12.05	1.01
285	12.77	11.81	0.96
287.17	12.68	11.68	1
290.3	12.63	11.52	1.11
293.17	12.67	11.36	1.31
300	12.88	10.97	1.91
303.26	12.97	10.78	2.19

LONGITUDINAL SECTION – ROAD No.6

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

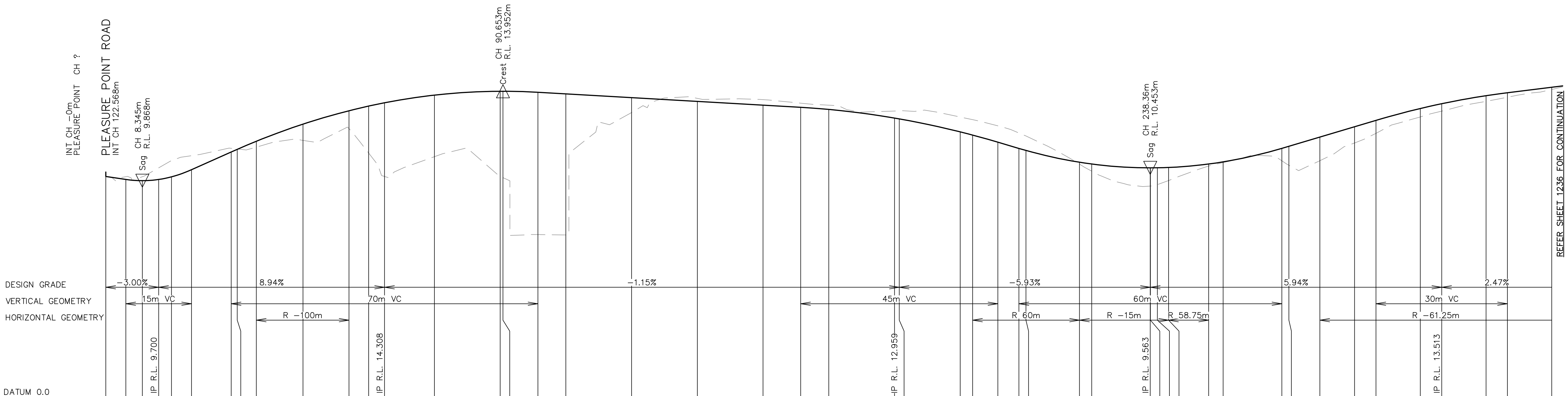
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.6

PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	1244	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:41PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1244.DWG

300362-CENG-1245



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
−0	10.06	10.06	0
4.58	9.92	10.05	−0.12
8.34	9.87	10.05	−0.18
12.08	9.92	10.46	−0.53
15	10.04	10.78	−0.73
19.58	10.37	11.01	−0.64
28.62	11.18	11.35	−0.17
30	11.3	11.32	−0.01
34.35	11.67	11.4	0.27
45	12.45	11.71	0.74
55.51	13.06	12.24	0.82
60	13.27	11.13	2.15
63.62	13.43	10.06	3.36
75	13.78	10.96	2.81
90	13.95	10.07	3.88
90.65	13.95	10.01	3.95
98.62	13.91	7.41	6.5
105	13.83	7.39	6.44
120	13.66	12.98	0.68
135	13.49	13.63	−0.14
150	13.32	13.57	−0.25
158.58	13.22	13.41	−0.19
165	13.12	13.32	−0.2
180	12.73	13.05	−0.32
181.08	12.69	13.06	−0.37
195	12.1	12.77	−0.68
197.83	11.95	12.65	−0.71
203.58	11.63	12.38	−0.75
208.4	11.34	12.05	−0.71
210	11.25	11.91	−0.66
222.22	10.71	10.63	0.09
225	10.63	10.29	0.34
238.36	10.45	9.61	0.85
238.4	10.45	9.61	0.85
240	10.46	9.69	0.77
242.55	10.47	9.87	0.6
251.69	10.63	10.54	0.09
255	10.73	10.69	0.03
268.4	11.34	10.78	0.57
270	11.44	10.57	0.87
277.07	11.86	10.78	1.08
285	12.33	11.59	0.74
289.89	12.62	12.03	0.59
300	13.16	12.78	0.38
304.89	13.38	13.04	0.34
315	13.75	13.49	0.26
319.89	13.88	13.68	0.21
330	14.13	14.03	0.1

LONGITUDINAL SECTION – ROAD No.7 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

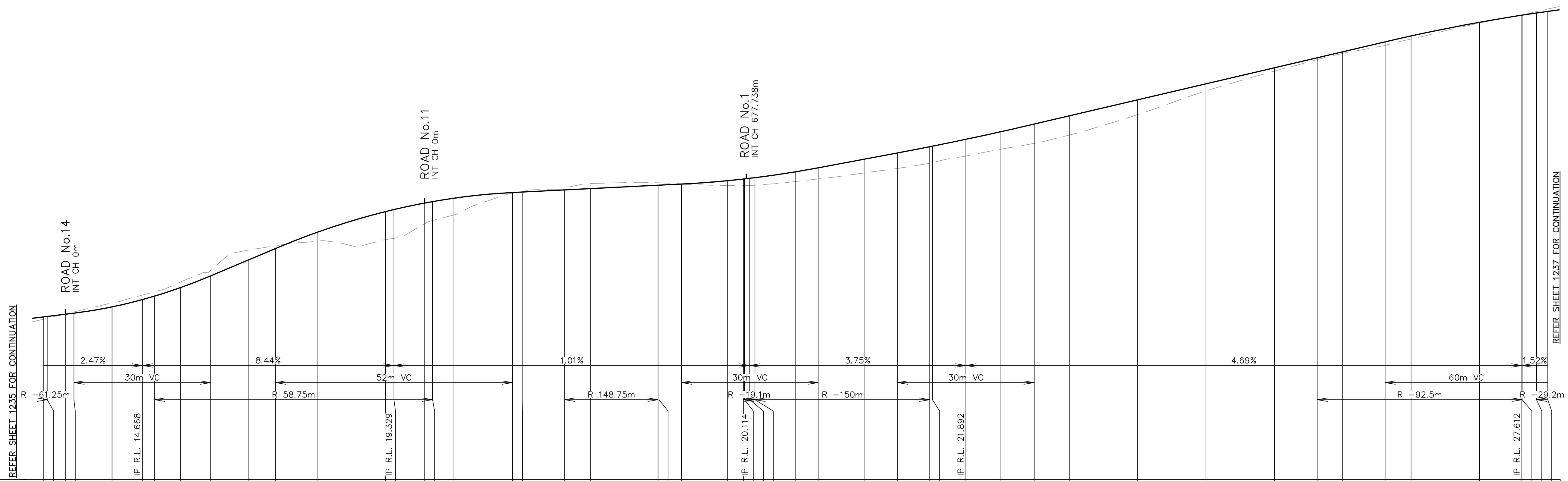
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.7
SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1245	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:46PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1245.DWG

300362-CENG-1246



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
330	14.13	14.03	0.1
330.77	14.15	14.07	0.08
334.75	14.25	14.26	−0.01
336.64	14.3	14.35	−0.05
345	14.57	14.75	−0.18
351.64	14.89	15.09	−0.2
354.34	15.05	15.24	−0.19
360	15.42	15.66	−0.25
366.64	15.93	16.19	−0.26
375	16.64	17.07	−0.43
380.85	17.13	17.25	−0.12
390	17.85	17.46	0.39
405	18.76	17.53	1.23
406.85	18.85	17.59	1.25
413.6	19.13	18.23	0.9
415.3	19.19	18.37	0.83
420	19.34	18.61	0.73
432.85	19.59	19.56	0.03
435	19.61	19.65	−0.04
444.3	19.71	19.79	−0.08
450	19.76	19.99	−0.22
464.8	19.91	20.02	−0.11
465	19.91	20.02	−0.1
469.91	19.96	19.97	−0
480	20.11	19.9	0.22
483.5	20.18	19.89	0.29
483.76	20.19	19.89	0.3
484.91	20.22	19.9	0.32
486.04	20.24	19.92	0.33
495	20.5	20.07	0.43
499.91	20.68	20.19	0.49
510	21.05	20.45	0.6
517.32	21.33	20.65	0.68
524.4	21.6	20.88	0.72
525	21.63	20.91	0.72
532.32	21.93	21.19	0.73
540	22.26	21.49	0.77
547.32	22.6	21.75	0.85
555	22.96	22.11	0.84
570	23.66	23.01	0.65
585	24.36	24.05	0.31
600	25.07	24.92	0.15
609.41	25.51	25.43	0.08
615	25.77	25.7	0.07
624.3	26.21	26.05	0.15
630	26.46	26.33	0.13
645	27.06	27.03	0.04
654.3	27.37	27.38	−0.01
654.36	27.38	27.38	−0.01
657.52	27.47	27.53	−0.06
660	27.54	27.65	−0.1

LONGITUDINAL SECTION – ROAD No.7 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

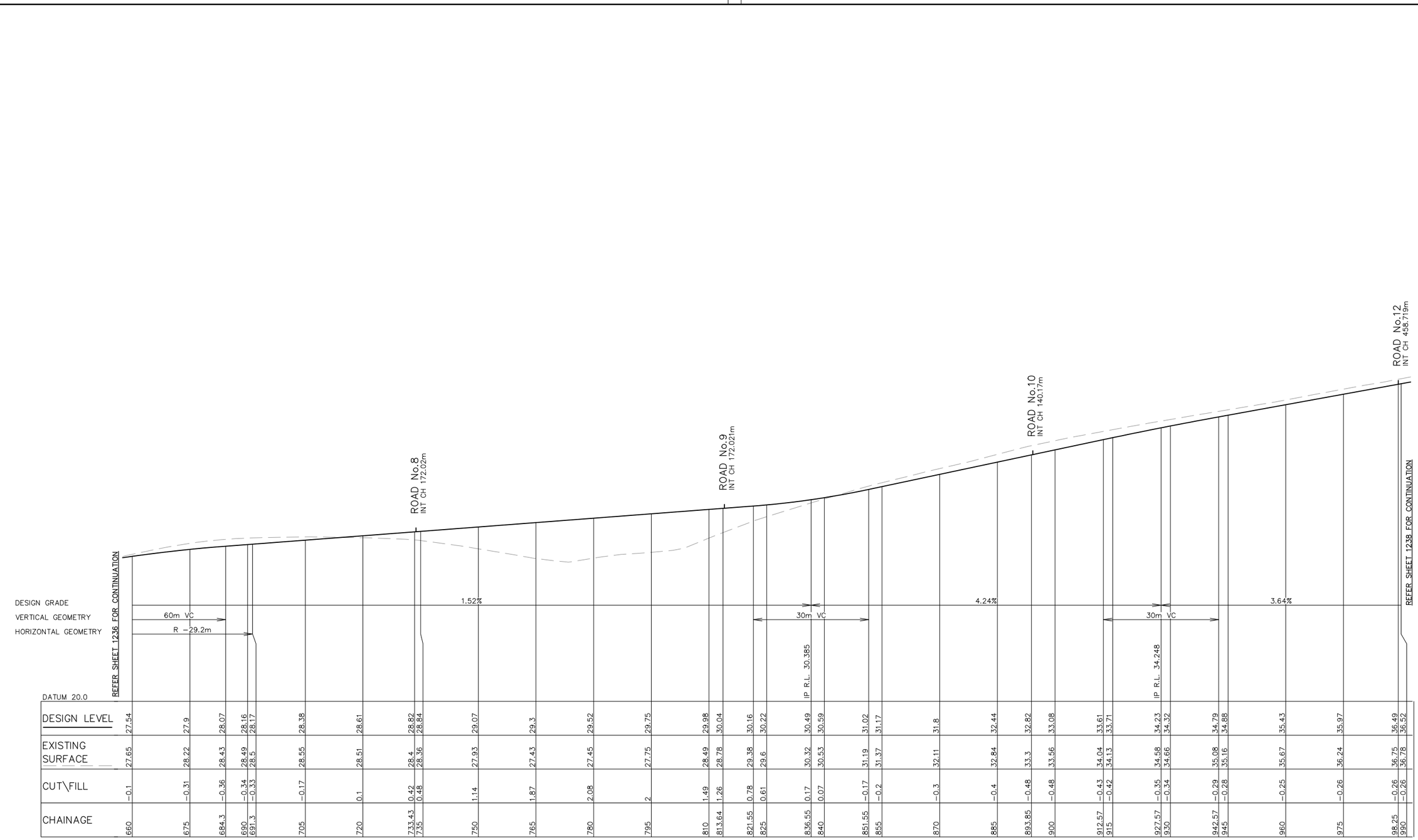
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
ROAD No.7
SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1246 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:51PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1246.DWG

300362-CENG-1247



LONGITUDINAL SECTION – ROAD No.7 – SHEET 3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED ADW Johnson
DATUM GDA2020 M.G.A. ZONE 56 A.H.D.

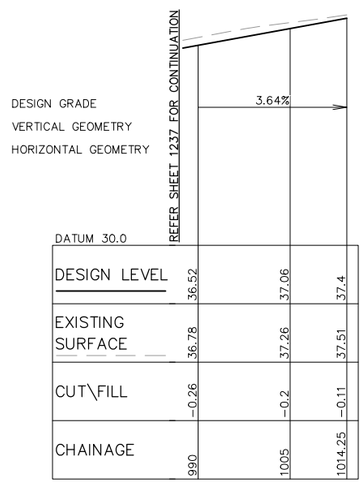
PROJECT PROPOSED SUBDIVISION
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.7 SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1247 REV. E

100mm AT FULL SIZE
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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:33:56PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1247.DWG

300362-CENG-1248



LONGITUDINAL SECTION – ROAD No.7 – SHEET 4

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

100mm AT FULL SIZE

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NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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PROPERTY DESCRIPTION
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HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

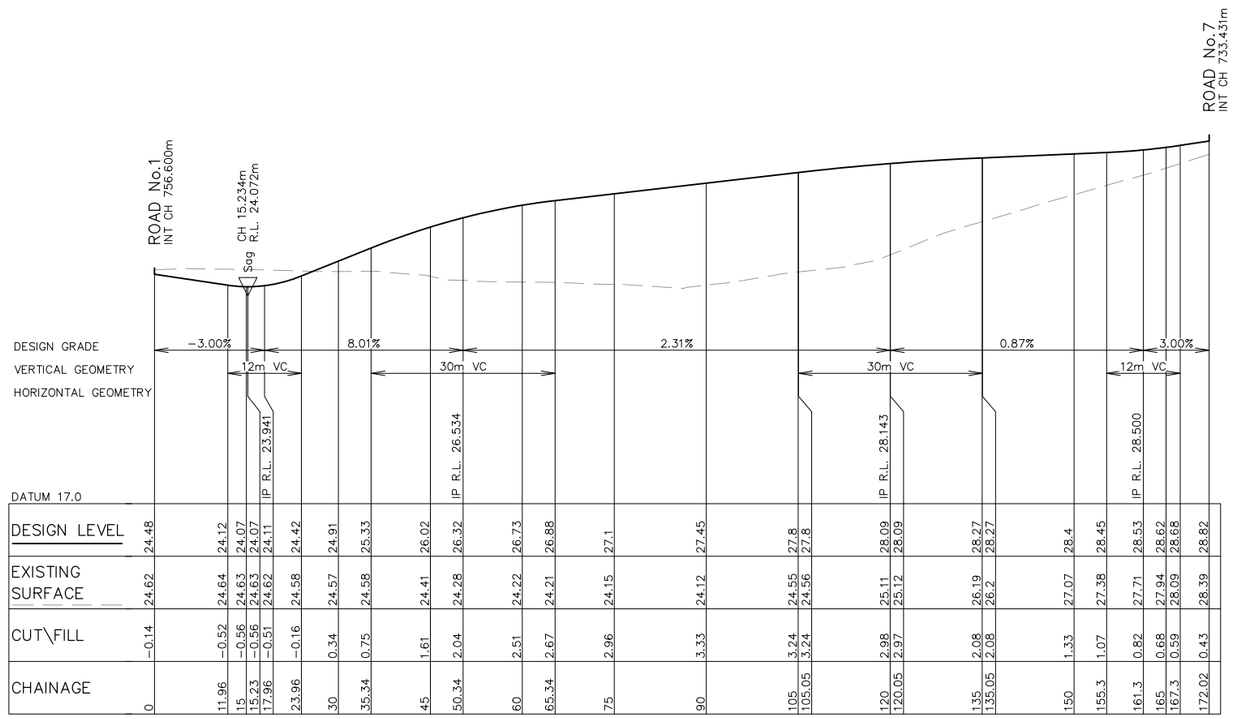
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
ROAD No.7
SHEET 4

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1248	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:00PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1248.DWG

300362-CENG-1249



LONGITUDINAL SECTION – ROAD No.8

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 0 12.5 25.0m A3 1:1000
A1 1:100 0 2.5 5.0m A3 1:200
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LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

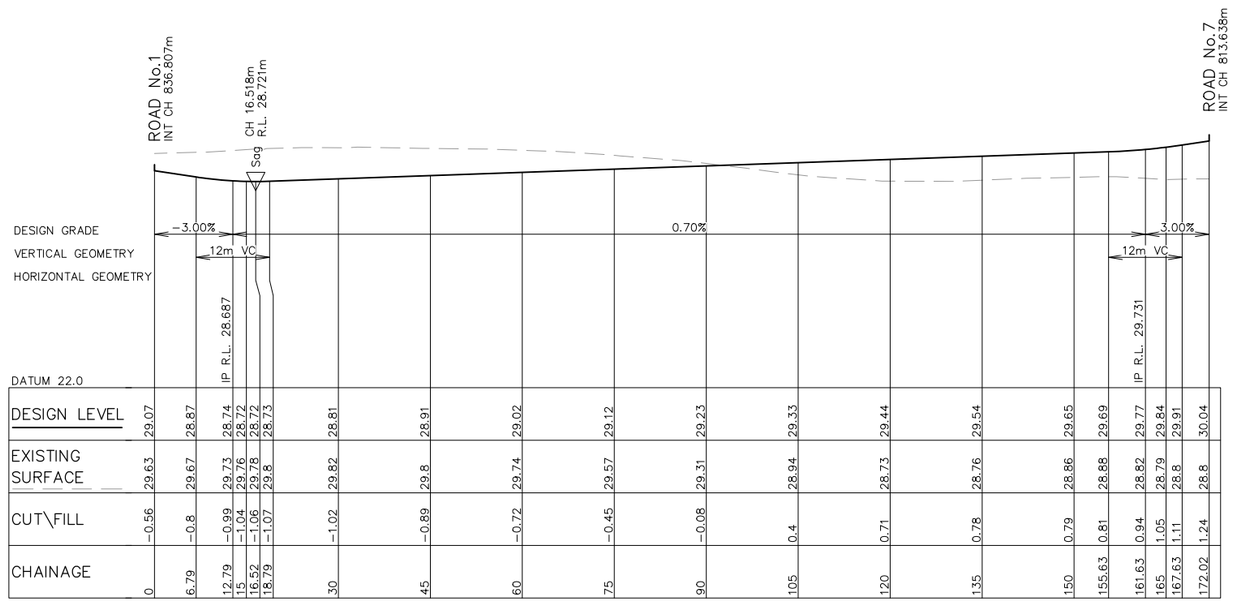
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.8

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1249 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:05PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1249.DWG

300362-CENG-1250



LONGITUDINAL SECTION – ROAD No.9

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

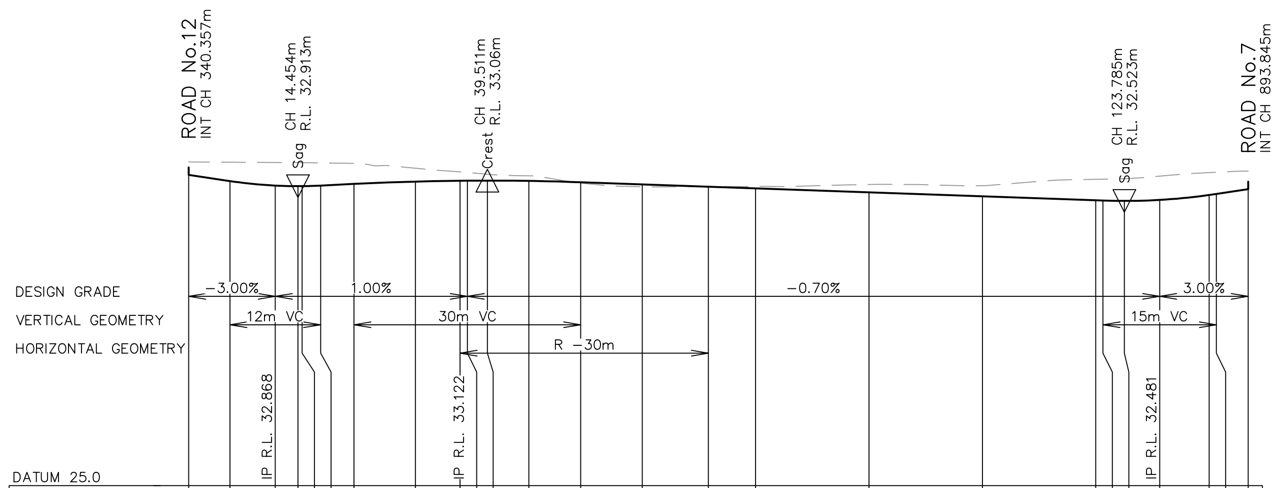
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.9

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1250 REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1250.DWG

300362-CENG-1251



DESIGN LEVEL	33.21	33.05	32.93	32.91	32.91	32.93	32.97	33.03	33.06	33.06	33.06	33.05	33.02
EXISTING SURFACE	33.56	33.55	33.54	33.53	33.53	33.53	33.51	33.39	33.29	33.28	33.23	33.18	33
CUT\FILL	−0.34	−0.5	−0.61	−0.62	−0.62	−0.6	−0.54	−0.35	−0.23	−0.22	−0.17	−0.13	0.02
CHAINAGE	0	5.45	11.45	14.45	15	17.45	21.86	30	35.9	36.86	39.51	45	51.86

DESIGN LEVEL	32.96	32.9	32.85	32.75	32.64	32.54	32.53	32.52	32.55	32.68	32.71	32.83
EXISTING SURFACE	32.9	32.9	32.9	32.96	32.92	33.1	33.1	33.11	33.18	33.27	33.28	33.31
CUT\FILL	0.06	−0	−0.05	−0.21	−0.28	−0.56	−0.57	−0.59	−0.63	−0.59	−0.57	−0.48
CHAINAGE	60	68.75	75	90	105	120	120.95	123.78	128.45	135	135.95	140.17

LONGITUDINAL SECTION – ROAD No.10

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw johnson
Central Coast
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

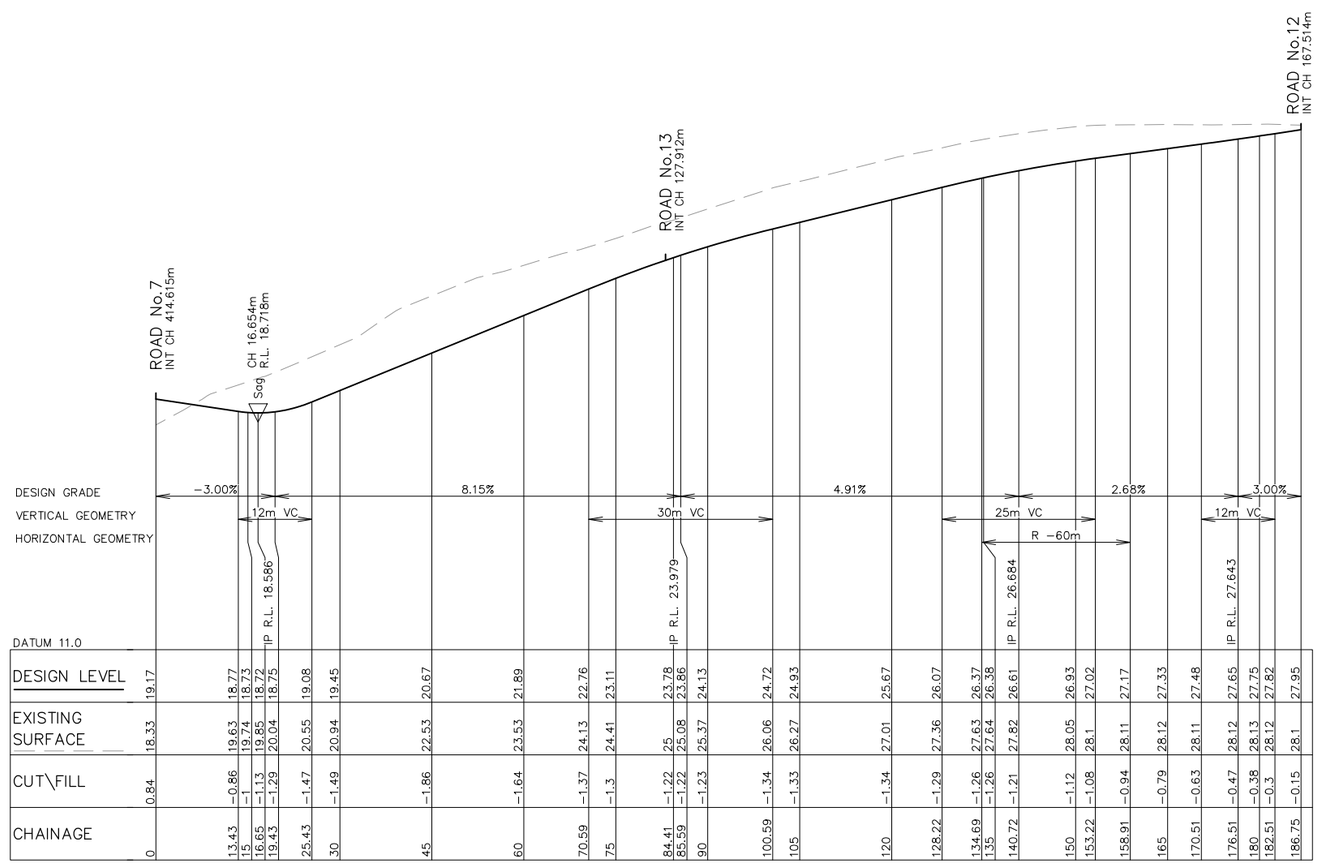
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
ROAD LONGITUDINAL SECTIONS
ROAD No.10

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1251 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1251.DWG

300362-CENG-1252



LONGITUDINAL SECTION – ROAD No.11

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.11

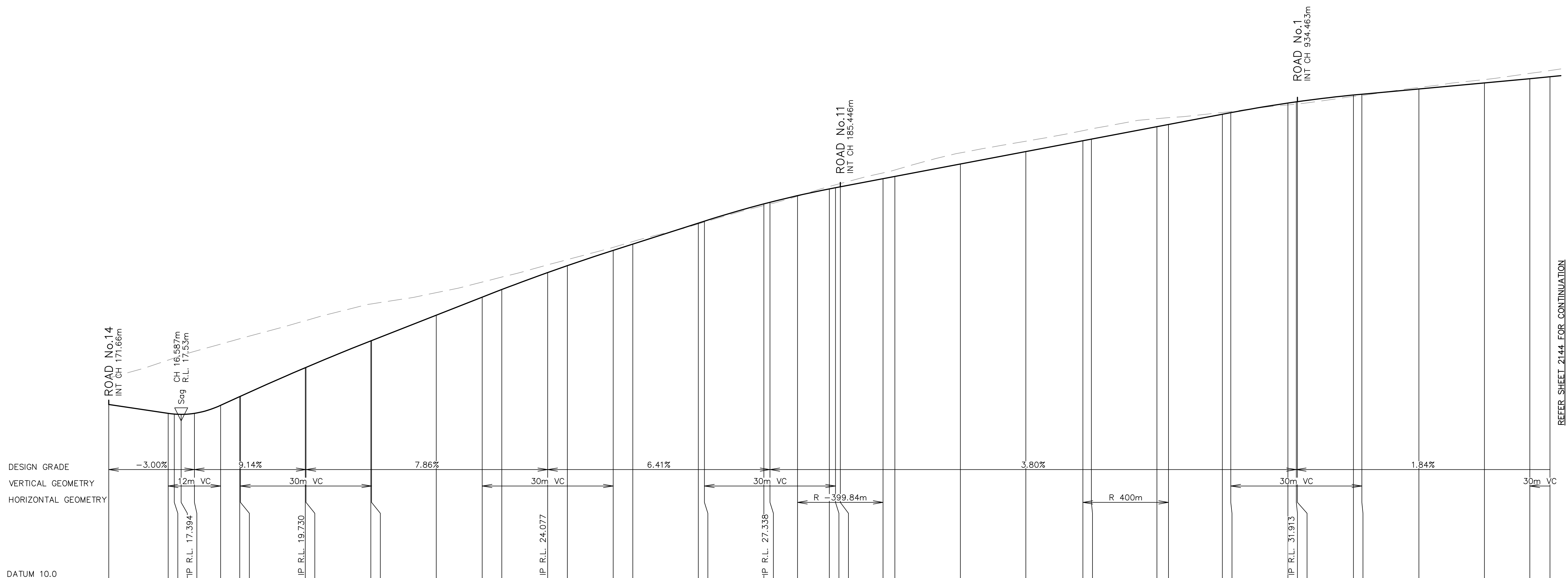
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1252 – REV. E

100mm AT FULL SIZE

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Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:20PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1252.DWG

300362-CENG-1253



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	17.98	19.19	−1.21
13.62	17.57	20.02	−2.44
15	17.54	20.11	−2.57
16.59	17.53	20.22	−2.69
19.62	17.58	20.41	−2.83
25.62	17.94	20.75	−2.8
30	18.34	20.99	−2.65
30.18	18.36	21	−2.64
45	19.67	21.82	−2.15
45.18	19.68	21.83	−2.15
60	20.89	22.58	−1.69
60.18	20.91	22.59	−1.68
75	22.07	23.1	−1.03
85.51	22.9	23.59	−0.69
90	23.25	23.82	−0.57
100.51	24.02	24.38	−0.35
105	24.34	24.62	−0.28
115.51	25.04	25.18	−0.14
120	25.33	25.44	−0.12
135	26.29	26.25	0.04
136.4	26.38	26.34	0.04
150	27.17	27.09	0.08
151.4	27.24	27.16	0.08
157.72	27.54	27.52	0.03
165	27.85	27.96	−0.11
166.4	27.91	28.04	−0.13
167.51	27.95	28.1	−0.15
177.3	28.32	28.59	−0.27
180	28.42	28.72	−0.3
195	28.99	29.5	−0.51
210	29.56	30.04	−0.48
223.06	30.06	30.52	−0.46
225	30.13	30.6	−0.47
240	30.7	31.07	−0.37
242.66	30.8	31.12	−0.32
255	31.27	31.35	−0.08
256.92	31.34	31.4	−0.05
270	31.78	31.7	0.08
271.92	31.84	31.74	0.1
272.18	31.85	31.74	0.1
285	32.15	32.09	0.07
286.92	32.19	32.13	0.06
300	32.43	32.5	−0.07
315	32.71	32.86	−0.15
325.4	32.9	33.15	−0.25
330	32.99	33.27	−0.28

LONGITUDINAL SECTION – ROAD No.12 – SHEET 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

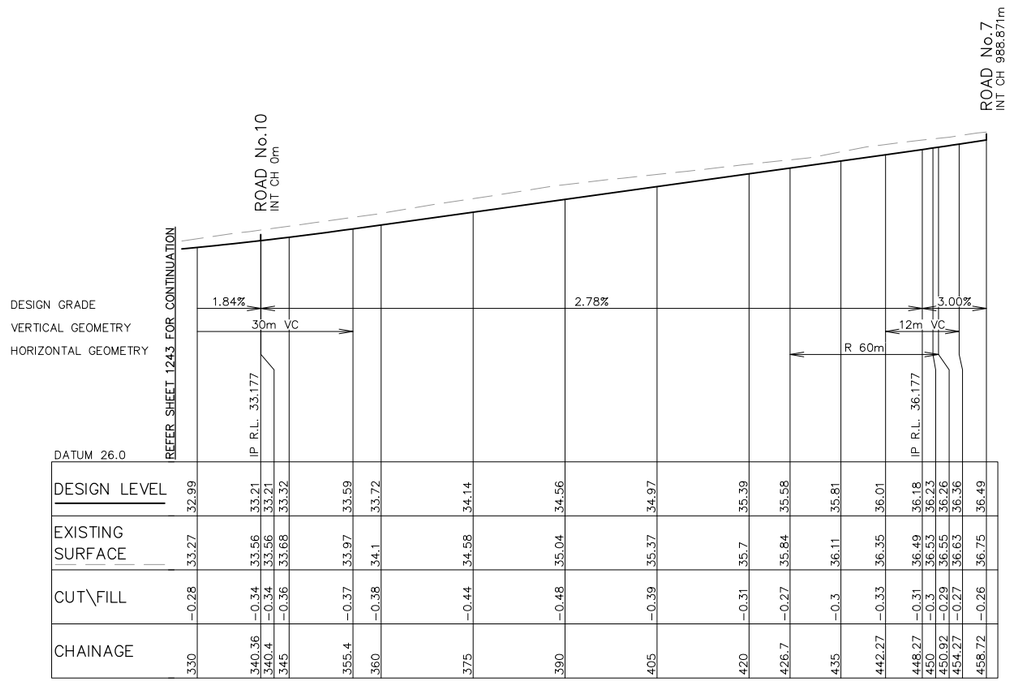
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
ROAD No.12
SHEET 1

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1253 | REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:24PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1253.DWG

300362-CENG-1254



LONGITUDINAL SECTION – ROAD No.12 – SHEET 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

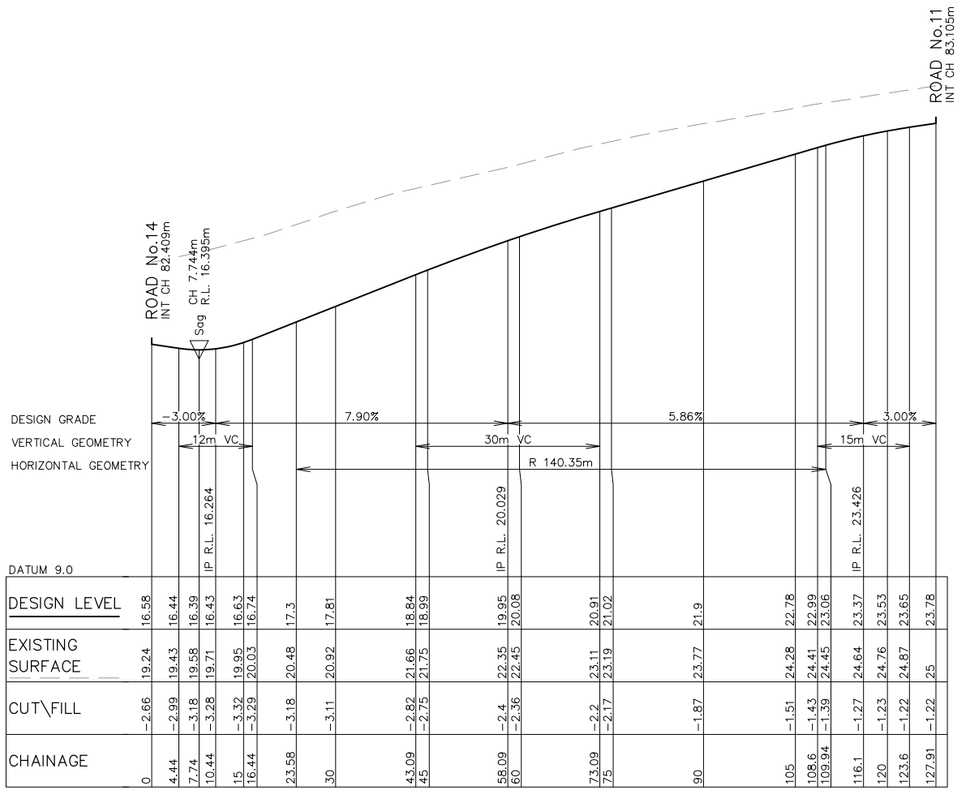
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.12 SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1254 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:29PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1254.DWG

100mm AT FULL SIZE
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300362-CENG-1255



LONGITUDINAL SECTION – ROAD No.13

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

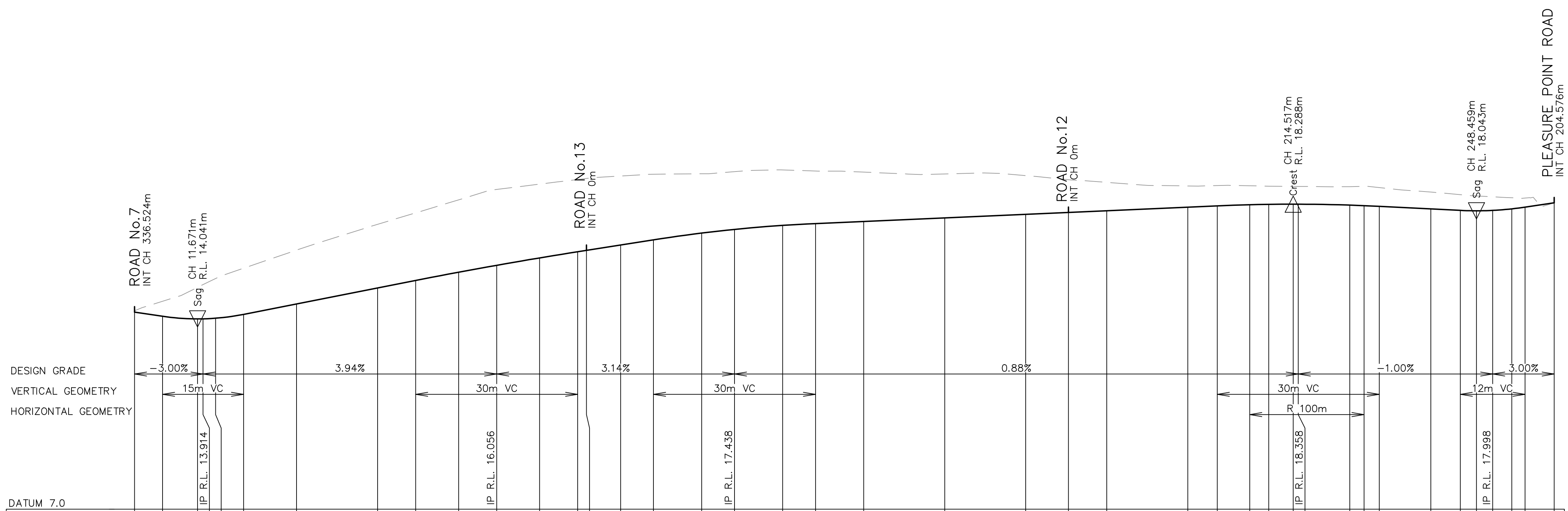
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: ROAD LONGITUDINAL SECTIONS ROAD No.13

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1255 | REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:34PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1255.DWG

300362-CENG-1256



CHAINAGE	DESIGN LEVEL	EXISTING SURFACE	CUT\FILL
0	14.29	14.35	−0.05
5.19	14.14	14.69	−0.55
11.67	14.04	15.21	−1.17
12.69	14.04	15.31	−1.27
15	14.07	15.53	−1.47
20.19	14.21	15.92	−1.71
30	14.6	16.59	−1.99
45	15.19	17.54	−2.36
52.05	15.46	17.97	−2.5
60	15.77	18.45	−2.68
67.05	16.03	18.83	−2.81
75	16.3	19.03	−2.73
82.05	16.53	19.2	−2.67
83.67	16.58	19.24	−2.66
90	16.78	19.33	−2.55
96.08	16.97	19.4	−2.43
105	17.22	19.41	−2.2
111.08	17.35	19.49	−2.14
120	17.5	19.56	−2.05
126.08	17.57	19.52	−1.94
135	17.65	19.47	−1.83
150	17.78	19.41	−1.63
165	17.91	19.35	−1.43
172.92	17.98	19.19	−1.21
180	18.05	19.09	−1.05
195	18.18	18.96	−0.79
200.46	18.23	18.98	−0.75
206.48	18.27	18.97	−0.7
210	18.28	18.95	−0.67
214.52	18.29	18.95	−0.66
215.46	18.29	18.94	−0.66
225	18.25	18.94	−0.68
227.64	18.23	18.95	−0.72
230.46	18.21	18.9	−0.69
240	18.11	18.74	−0.62
245.46	18.06	18.64	−0.58
248.46	18.04	18.6	−0.55
251.46	18.06	18.56	−0.5
255	18.11	18.53	−0.41
257.46	18.18	18.52	−0.34
262.85	18.34	18.34	0

LONGITUDINAL SECTION – ROAD No.14

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

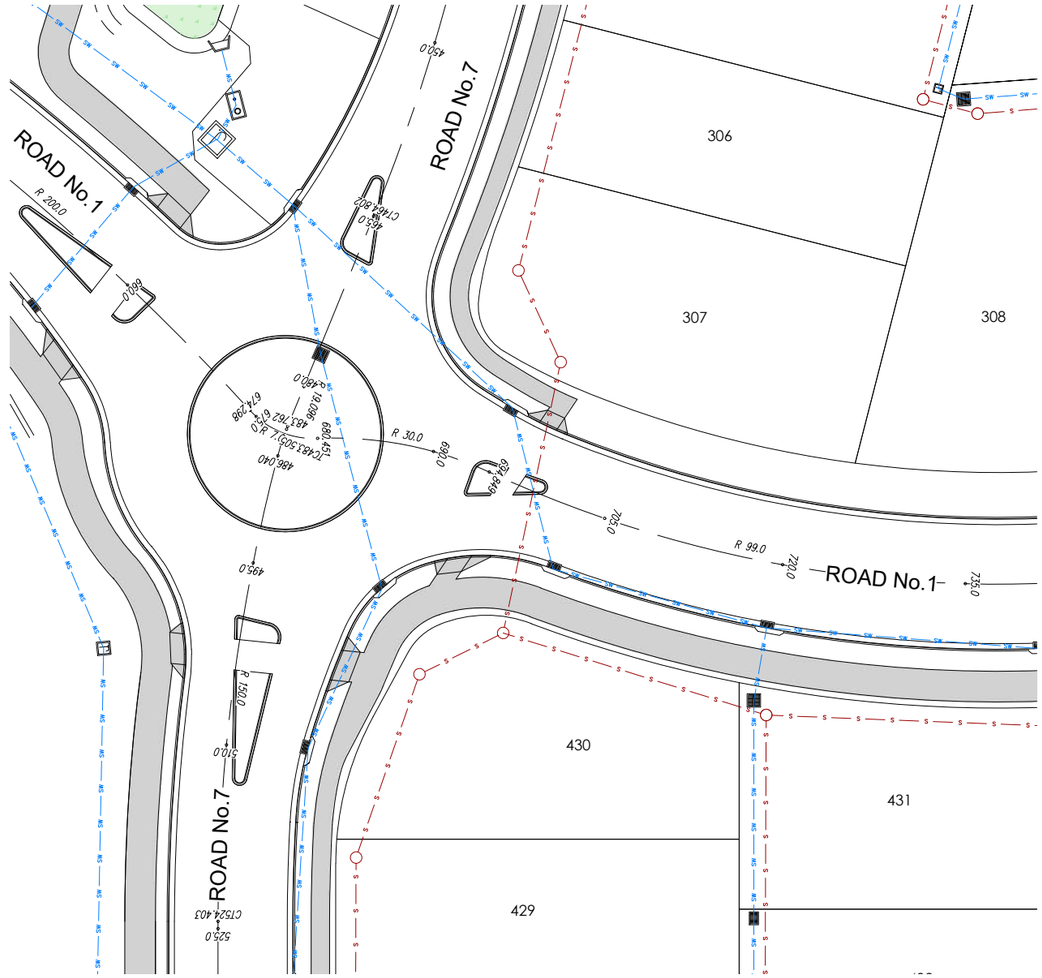
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROAD LONGITUDINAL SECTIONS
ROAD No.14

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1256	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:39PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1256.DWG

300362-CENG-1301



ROUNDABOUT DRIVEWAYS PLAN

SCALE 1:250

LEGEND

- SITE BOUNDARY
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- 3m — INDICATIVE DRIVEWAY LOCATION
- INDICATIVE STREET TREE LOCATION
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

NOTE:

DRIVEWAY LOCATIONS SHOWN AT CONSTRAINED LOCATIONS ONLY.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:250 — 0 5.0 10.0 12.5m — A3 1:500

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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5 Pioneer Avenue,
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROUNDABOUT DRIVEWAYS PLAN ROAD No.1 & ROAD No.7

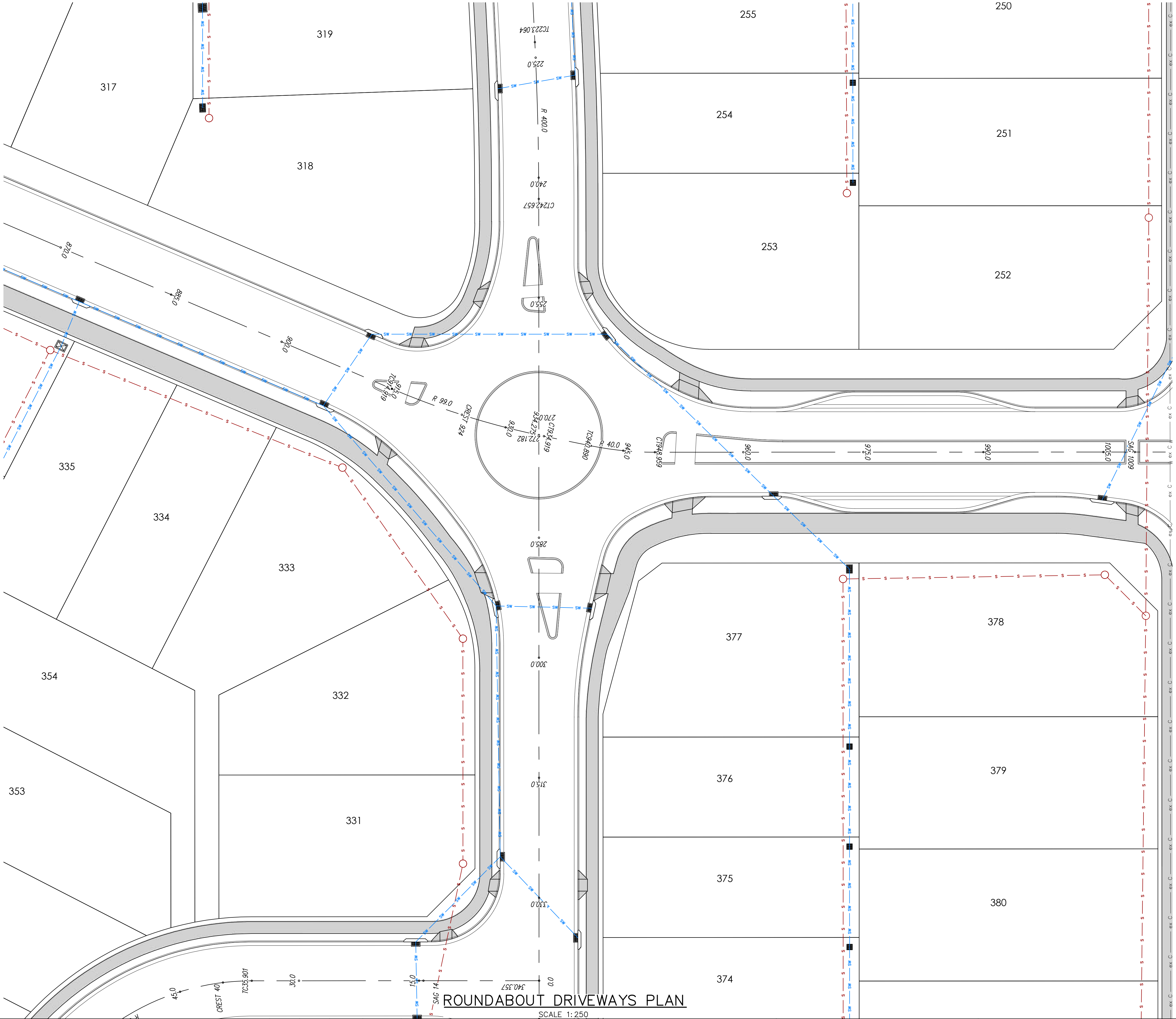
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1301	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:46PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1301.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1302



M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- 3m — INDICATIVE DRIVEWAY LOCATION
- INDICATIVE STREET TREE LOCATION
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

NOTE:

DRIVEWAY LOCATIONS SHOWN AT CONSTRAINED LOCATIONS ONLY.

ROUNDABOUT DRIVEWAYS PLAN

SCALE 1:250

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:250 — 0, 5.0, 10.0, 12.5m — A3 1:500

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

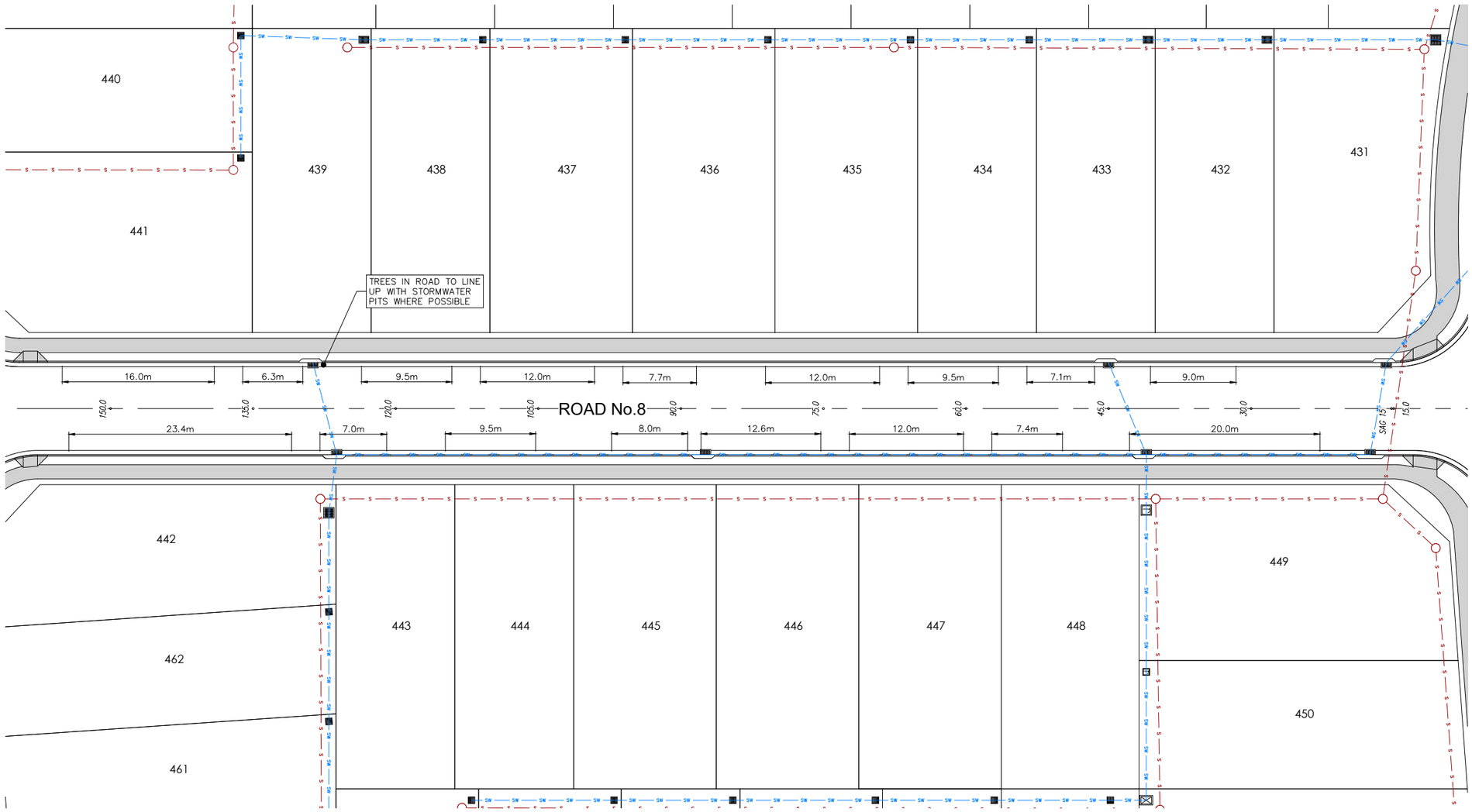
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ROUNDABOUT DRIVEWAYS PLAN ROAD No.1 & ROAD No.12

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1302	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:34:53PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1302.DWG

300362-CENG-1303



ON STREET PARKING & TREE PLAN

SCALE 1: 250

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- SW — PROPOSED STORMWATER
- S — PROPOSED SEWER
- 3m — INDICATIVE DRIVEWAY LOCATION
- INDICATIVE STREET TREE LOCATION
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

NOTE:

THIS PLAN HAS BEEN PREPARED TO SHOW INDICATIVE COORDINATION BETWEEN ON STREET TREES, DRIVEWAYS, PARKING & STORMWATER. THIS GENERAL APPROACH IS TO BE ADOPTED THROUGHOUT SUBDIVISION.

FINAL LOCATIONS SUBJECT TO DETAILED DESIGN.

TOTAL INDICATIVE NUMBER OF PARKING SPACES AVAILABLE = **23**
(ASSUMING MIN. 6.3m PER PARKING SPACE)

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:250 — 0, 5.0, 10.0, 12.5m — A3 1:500

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: ON STREET PARKING & TREE PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1303	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:01PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1303.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1401



STORMWATER DETAIL PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN SHEET 1

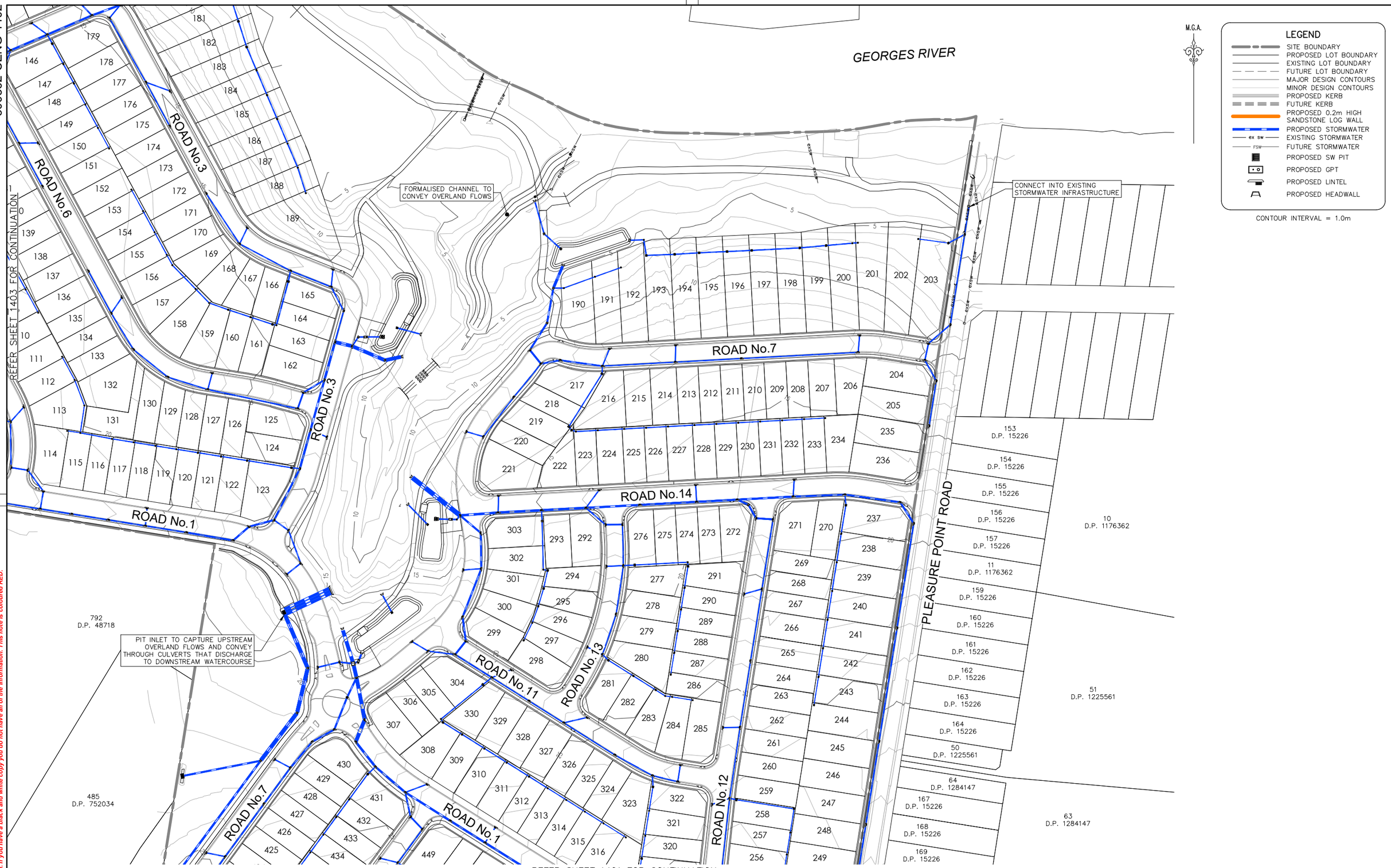
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1401 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:08PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1401.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1402



REFER SHEET 1403 FOR CONTINUATION

REFER SHEET 1401 FOR CONTINUATION

STORMWATER DETAIL PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

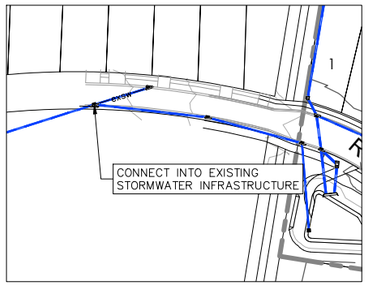
PLAN TITLE: STORMWATER DETAIL PLAN SHEET 2

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1402 – REV. E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1402.DWG

300362-CENG-1403



INSET PLAN
SCALE 1:1000

M.G.A.

LEGEND
- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- FUTURE LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- PROPOSED KERB
- FUTURE KERB
- PROPOSED 0.2m HIGH SANDSTONE LOG WALL
- PROPOSED STORMWATER
- EXISTING STORMWATER (ex sw)
- FUTURE STORMWATER (fsw)
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL

CONTOUR INTERVAL = 1.0m

RAILWAY CORRIDOR
2 D.P. 1004888
GEORGES RIVER
100 D.P. 1040311
792 D.P. 48718
ROAD No.1
ROAD No.2
ROAD No.3
ROAD No.4
ROAD No.5
ROAD No.6
exsw
fsw

REFER ABOVE FOR INSET PLAN

REFER SHEET 1402 FOR CONTINUATION

STORMWATER DETAIL PLAN
SCALE 1:1000

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: STORMWATER DETAIL PLAN SHEET 3

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1403	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:24PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1403.DWG

300362-CENG-1451



OVERALL BASIN PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2000 (0, 50, 100m) A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: OVERALL BASIN PLAN

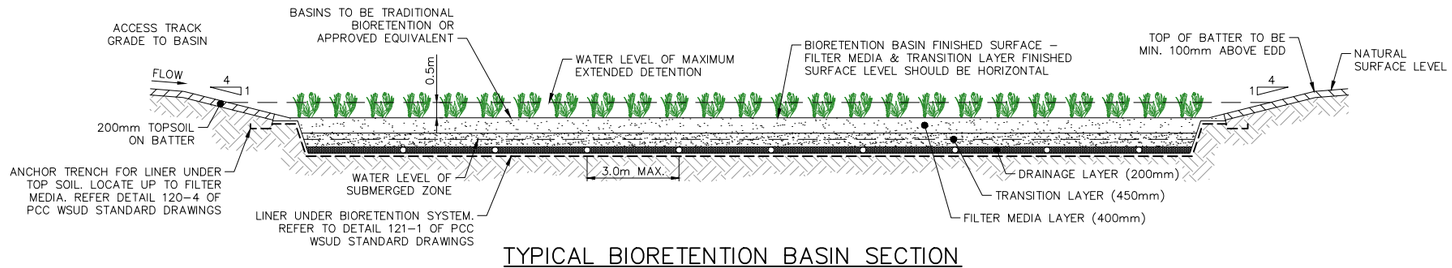
PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1451	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:32PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1451.DWG

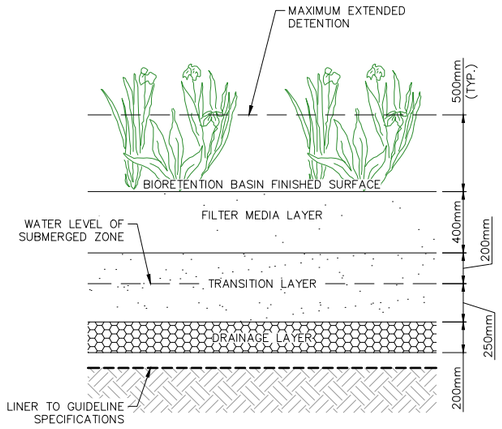
100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1452



TYPICAL BIORETENTION BASIN SECTION
SCALE 1:100



TYPICAL BIORETENTION FILTER PROFILE
SCALE 1:20

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:100 — 0 2.5 5.0m — A3 1:200
A1 1:20 — 0 0.5 1.0m — A3 1:40

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: TYPICAL BASIN DETAILS

PROJECT No. 300362 - DISCIPLINE CENG - NUMBER 1452 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:35PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1452.DWG

100mm AT FULL SIZE

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300362-CENG-1501



CUT/FILL VOLUMES

CUT:	171,607m³
FILL:	171,813m³
SHORTAGE OF MATERIAL:	206m³

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

STOCKPILE VOLUMES:

STOCKPILE 1: 670m³
STOCKPILE 2: 160m³
STOCKPILE 3: 6502m³
STOCKPILE 4: 36m³
STOCKPILE 5: 161m³
STOCKPILE 6: 223m³
ROCK STOCKPILE 7: 679m³
STOCKPILE 8: 466m³
ROCK STOCKPILE 9: 224m³
STOCKPILE 10: 227m³
STOCKPILE 11: 19m³
STOCKPILE 12: 30m³
STOCKPILE 13: 1.6m³
STOCKPILE 14: 20m³
STOCKPILE 15: 9m³
STOCKPILE 16: 6m³

TOTAL SOIL VOLUME: 8,530m³

TOTAL ROCK STOCKPILE VOLUME: 903m³

TOTAL STOCKPILE VOLUME: 9433m³

OVERALL SITE REGRADE PLAN

SCALE 1:2500

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2500 — 0 50 100 125m — A3 1:5000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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5 Pioneer Avenue,
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: OVERALL SITE REGRADE PLAN

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1501 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:47PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1501.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1501

M.G.A.

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

REFER SHEET 1503 FOR CONTINUATION

RAILWAY CORRIDOR
GEORGES RIVER
LILLI PILLI DRIVE
EXISTING SUBDIVISION
WILLOWIE WAY
ROAD No.1
ROAD No.2
ROAD No.3
ROAD No.4
ROAD No.5
ROAD No.6
SECTION A
SECTION B
SECTION C
SECTION C1
SECTION D
SECTION E
SECTION H
SECTION I
SECTION 1
SECTION 2
100 D.P. 1040311
2 D.P. 1004888
792 D.P. 48718

SITE REGRADE PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 / A3 1:2000 (0, 25, 50m)

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

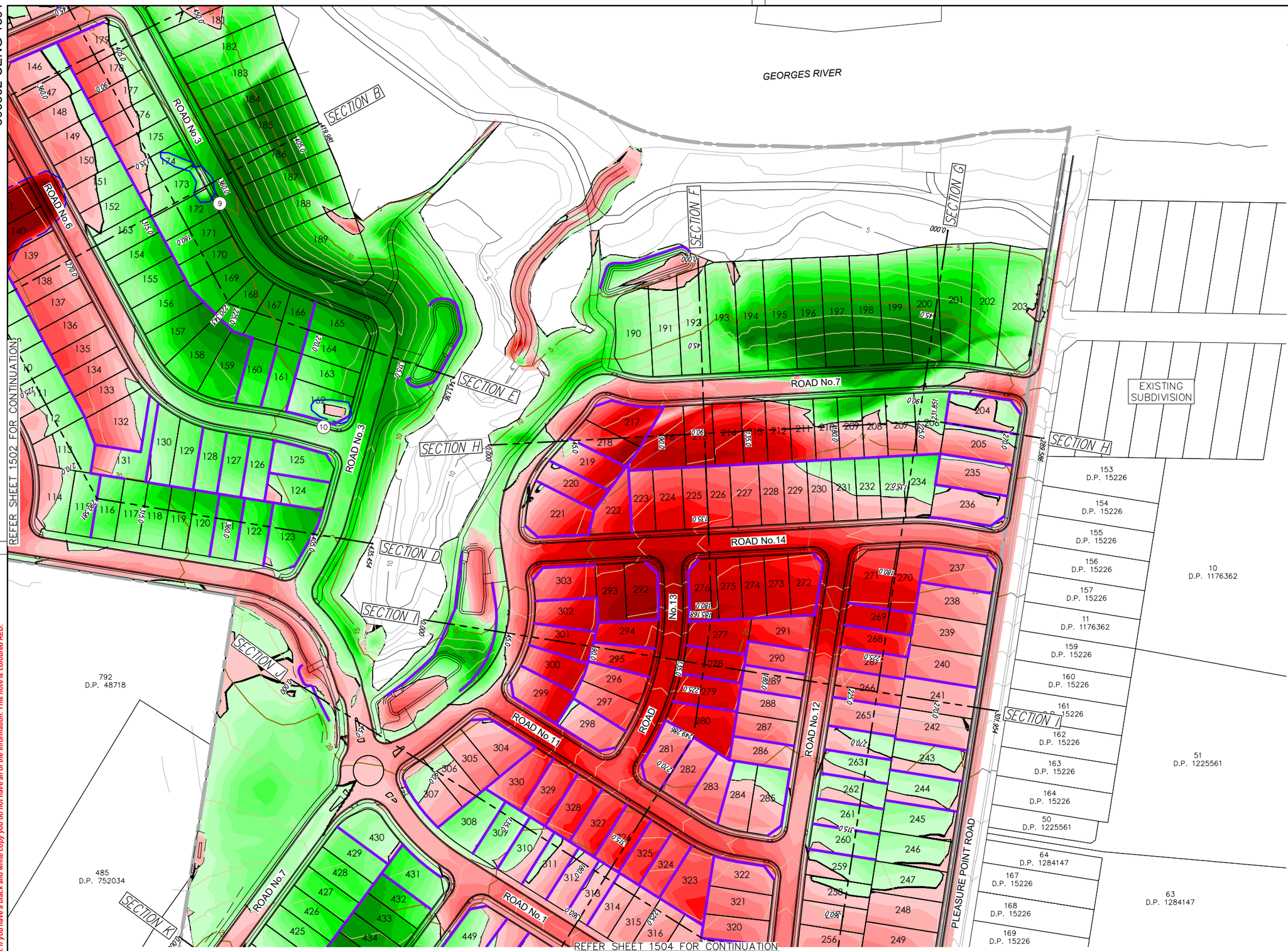
PLAN TITLE: SITE REGRADE PLAN SHEET 1

PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	1502	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:52PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1501.DWG

300362-CENG-1501



REFER SHEET 1502 FOR CONTINUATION

REFER SHEET 1504 FOR CONTINUATION

M.G.A.

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper	Colour
−8	to	−4 m	
−4	to	−3.5 m	
−3.5	to	−3 m	
−3	to	−2.5 m	
−2.5	to	−2 m	
−2	to	−1.75 m	
−1.75	to	−1.5 m	
−1.5	to	−1.25 m	
−1.25	to	−1 m	
−1	to	−0.75 m	
−0.75	to	−0.5 m	
−0.5	to	−0.25 m	
−0.25	to	−0.01 m	
0.01	to	0.250 m	
0.250	to	0.5 m	
0.500	to	0.75 m	
0.75	to	1 m	
1	to	1.25 m	
1.25	to	1.5 m	
1.5	to	1.75 m	
1.75	to	2 m	
2	to	2.5 m	
2.5	to	3 m	
3	to	3.5 m	
3.5	to	4 m	
4	to	7 m	

SITE REGRADE PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE REGRADE PLAN SHEET 2

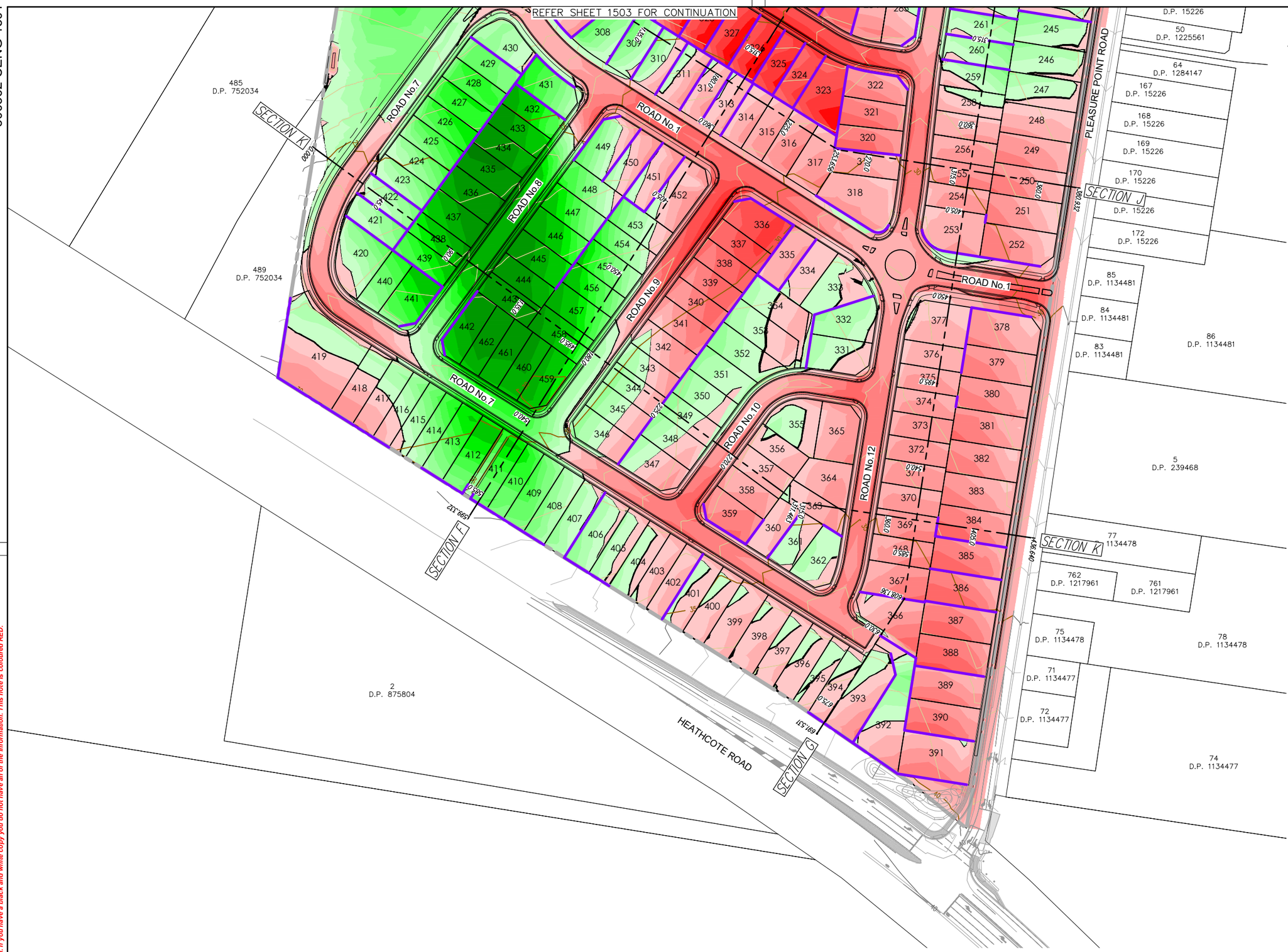
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1503 – REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:35:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1501.DWG

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1501



M.G.A.

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- MAJOR CONTOURS (NATURAL)
- MINOR CONTOURS (NATURAL)
- PROPOSED RETAINING WALL
- EXISTING STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 100mm OF TOPSOIL TO BE REPLACED ON LOTS.
4. VOLUME CALCULATIONS INCLUDE STOCKPILE VOLUMES.

LEGEND (+ FILL – CUT) Lower		Upper		Colour
−8	to	−4	m	
−4	to	−3.5	m	
−3.5	to	−3	m	
−3	to	−2.5	m	
−2.5	to	−2	m	
−2	to	−1.75	m	
−1.75	to	−1.5	m	
−1.5	to	−1.25	m	
−1.25	to	−1	m	
−1	to	−0.75	m	
−0.75	to	−0.5	m	
−0.5	to	−0.25	m	
−0.25	to	−0.01	m	
0.01	to	0.250	m	
0.250	to	0.5	m	
0.500	to	0.75	m	
0.75	to	1	m	
1	to	1.25	m	
1.25	to	1.5	m	
1.5	to	1.75	m	
1.75	to	2	m	
2	to	2.5	m	
2.5	to	3	m	
3	to	3.5	m	
3.5	to	4	m	
4	to	7	m	

SITE REGRADE PLAN

SCALE 1:1000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:1000 — 0 25 50m — A3 1:2000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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adw Johnson
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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE REGRADE PLAN SHEET 3

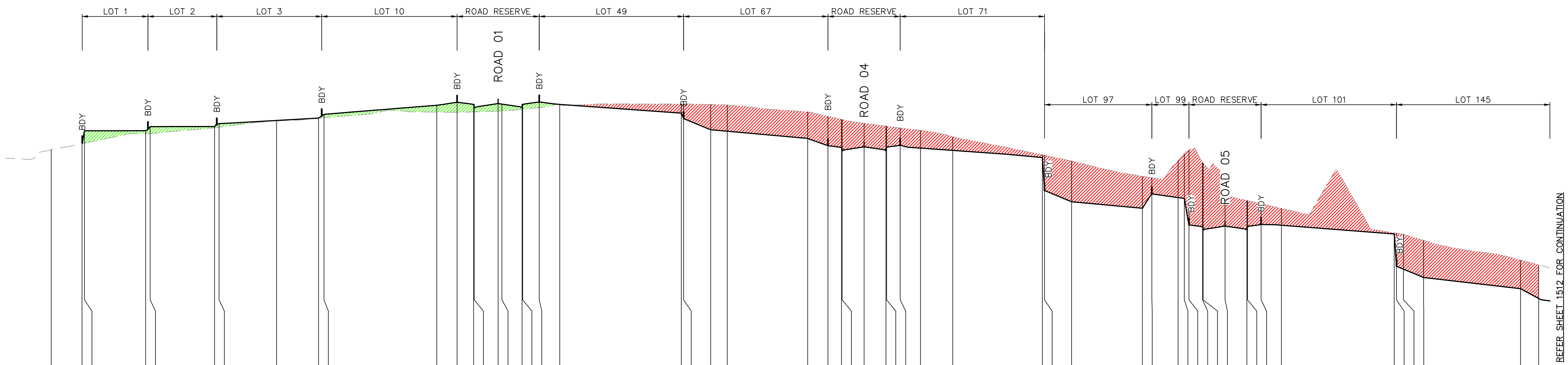
PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1504 – REV. E

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1501.DWG

300362-CENG-1511



CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		24.64	0
6.85		24.92	–0
7.38	25.49	24.94	0.55
20.96	25.5	25.37	0.12
21.96	25.67	25.37	0.3
36.25	25.68	25.63	0.05
37.24	25.81	25.65	0.16
50	25.95	25.94	0.02
59.31	26.06	26.06	–0
60.52	26.22	26.08	0.14
85.55	26.62	26.32	0.3
90.05	26.76	26.31	0.45
93.7	26.66	26.33	0.33
93.85	26.51	26.33	0.18
99.16	26.7	26.36	0.33
100	26.67	26.37	0.3
104.46	26.52	26.45	0.07
104.62	26.67	26.45	0.22
108.27	26.77	26.52	0.25
112.83	26.66	26.64	0.02
139.8	26.27	26.68	–0.41
140.3	26.04	26.68	–0.64
146.31	25.54	26.66	–1.12
150	25.47	26.63	–1.16
167.83	25.15	26.33	–1.17
172.33	24.83	26.13	–1.3
175.33	24.75	25.99	–1.24
175.48	24.61	25.99	–1.38
180.34	24.78	25.83	–1.04
185.19	24.61	25.69	–1.08
185.34	24.77	25.69	–0.92
188.35	24.85	25.61	–0.76
192.85	24.73	25.51	–0.78
200	24.62	25.23	–0.62
219.88	24.31	24.43	–0.12
220.38	22.85	24.4	–1.56
226.38	22.35	24.15	–1.8
242.09	22.06	23.48	–1.42
244.19	22.69	23.41	–0.72
250	22.53	24.18	–1.65
251.39	22.49	24.47	–1.98
252.41	21.32	24.63	–3.31
255.43	21.24	24.09	–2.85
255.56	21.09	24.06	–2.97
260.42	21.27	23.18	–1.91
265.27	21.1	22.4	–1.3
265.42	21.25	22.39	–1.14
268.43	21.34	22.26	–0.92
272.93	21.31	22.05	–0.74
297.95	20.92	20.97	–0.05
298.45	19.49	20.95	–1.46
300	19.36	20.9	–1.54
304.46	18.99	20.63	–1.64
325.98	18.49	19.76	–1.27
330	18.06	19.55	–1.49

SITE SECTION A – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

adw johnson
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CLIENT
HODGE DEVELOPMENTS PTY LTD

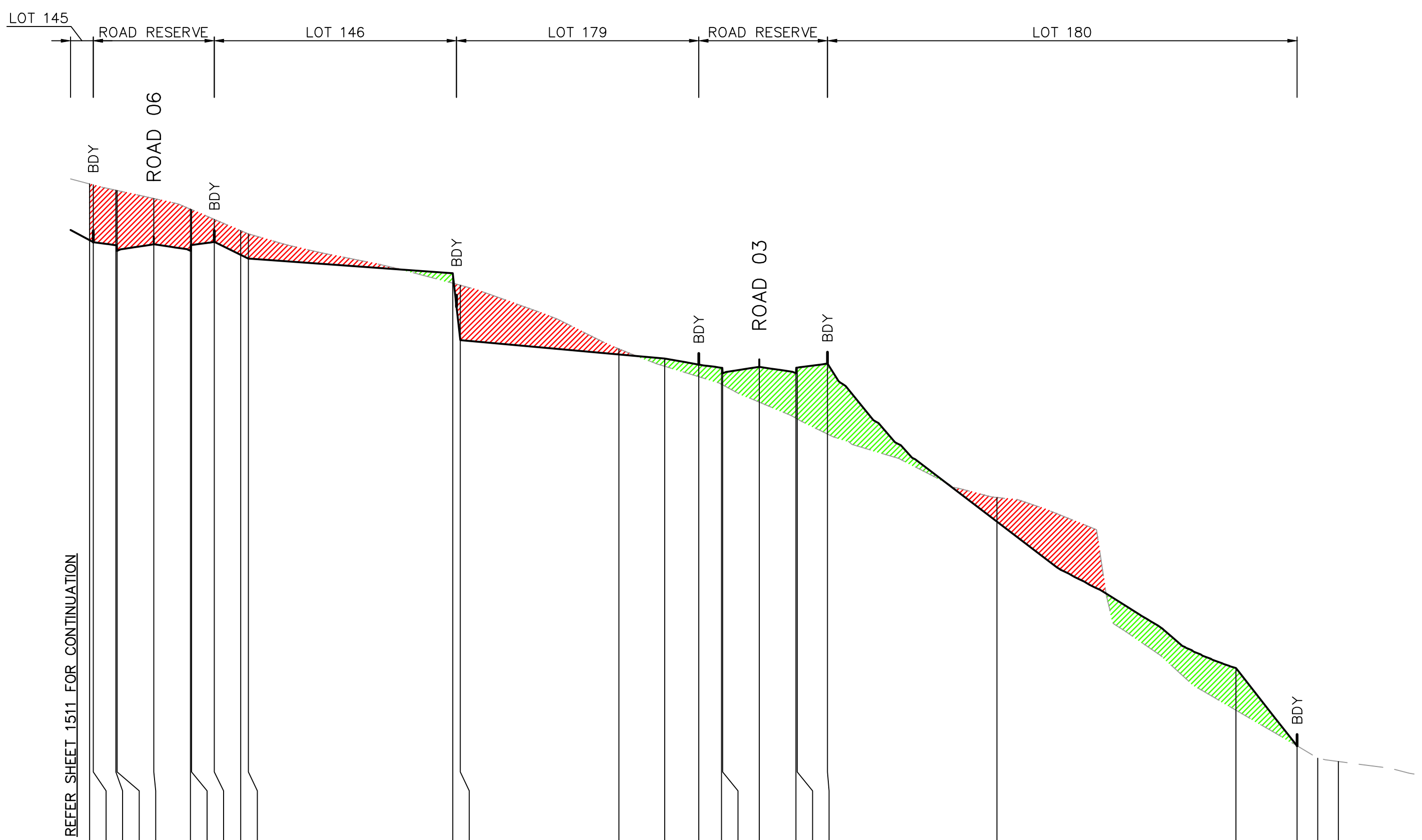
PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 1

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1511	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:10PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1511.DWG



REFER SHEET 1511 FOR CONTINUATION

DATUM 1.0

DESIGN SURFACE	18.06	18.01	17.93	17.78	17.95	17.78	17.93	18.01	17.67	17.57	17.18	15.42	15.04
EXISTING SURFACE	19.55	19.52	19.38	19.37	19.16	18.88	18.87	18.61	18.31	18.22	16.92	16.87	15.19
CUT/FILL	-1.49	-1.51	-1.45	-1.6	-1.21	-1.1	-0.94	-0.6	-0.64	-0.65	0.26	-1.45	-0.15
CHAINAGE	330	330.49	333.49	333.64	338.49	343.35	343.5	346.5	350	351.01	378.03	379.03	400

DESIGN SURFACE	14.93	14.77	14.69	14.54	14.71	14.54	14.69	14.8	10.62	6.75	4.69		
EXISTING SURFACE	14.73	14.45	14.25	14.23	13.78	13.35	13.33	12.93	11.26	5.63	4.69	4.36	4.28
CUT/FILL	0.2	0.32	0.44	0.3	0.93	1.19	1.36	1.86	0.2	1.11	0	0	0
CHAINAGE	406.06	410.56	413.57	413.72	418.57	423.43	423.58	427.58	450	481.61	489.69	492.42	495.16

SITE SECTION A – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
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C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

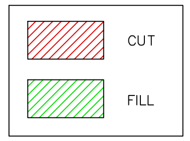
PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

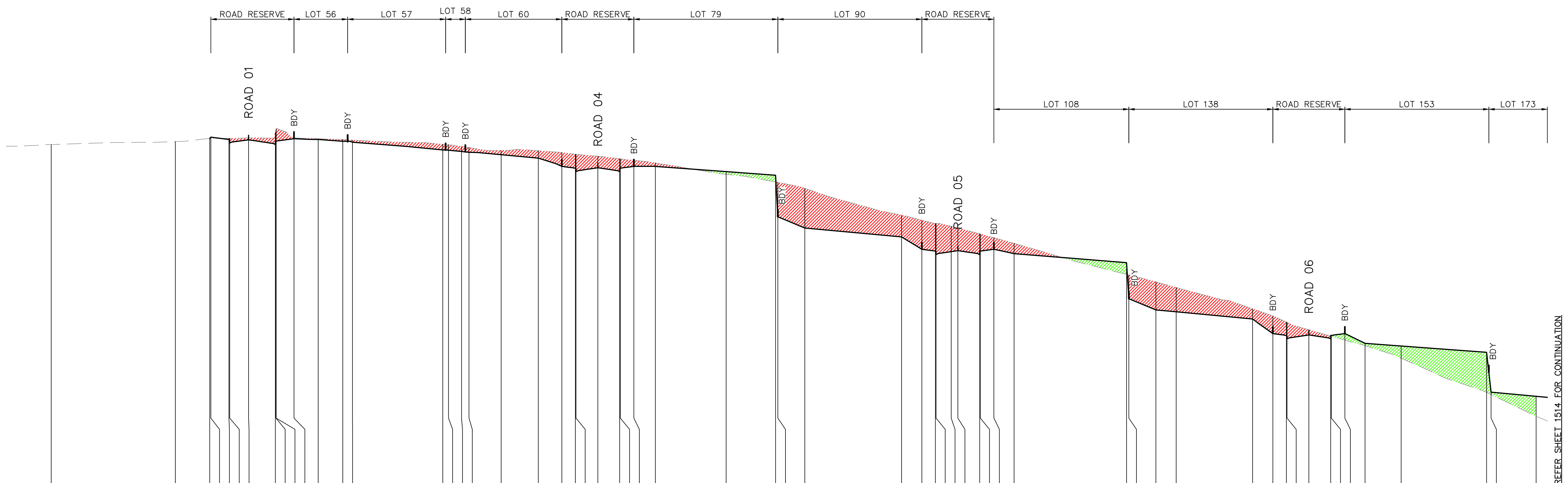
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
SITE SECTIONS
SHEET 2

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362 –	CENG –	1512	E

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.





DATUM 12.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		27.16	0
27.58		27.29	0
35.23		27.43	−0
35.48	27.49	27.43	0.06
39.51	27.38	27.43	−0.05
39.67	27.23	27.43	−0.2
43.87	27.37	27.45	−0.08
49.81	27.18	27.69	−0.53
49.97	27.32	27.81	−0.49
50	27.32	27.83	−0.52
53.97	27.42	27.46	−0.04
59.34	27.39	27.42	−0.03
64.79	27.3	27.38	−0.08
66.96	27.26	27.36	−0.09
87.02	26.92	27.17	−0.25
88.28	26.91	27.15	−0.24
91.2	26.85	27.07	−0.22
92.85	26.82	27.02	−0.21
100	26.71	26.9	−0.2
108.26	26.56	26.88	−0.33
113.49	26.19	26.8	−0.61
116.49	26.11	26.73	−0.62
116.64	25.96	26.72	−0.76
121.49	26.13	26.64	−0.51
126.34	25.96	26.52	−0.57
126.49	26.11	26.52	−0.41
129.49	26.19	26.46	−0.27
134.26	26.19	26.34	−0.15
150	25.96	25.83	0.12
160.99	25.8	25.5	0.3
161.49	23.95	25.48	−1.53
167.49	23.45	25.21	−1.76
188.99	23.05	24.02	−0.97
193.49	22.51	23.8	−1.29
196.49	22.42	23.65	−1.22
196.64	22.27	23.65	−1.37
200	22.4	23.52	−1.13
201.49	22.45	23.44	−1
206.34	22.27	23.19	−0.91
206.49	22.42	23.18	−0.76
209.49	22.51	23.02	−0.51
213.99	22.31	22.77	−0.46
238.99	21.91	21.39	0.52
239.49	20.31	21.37	−1.06
245.49	19.81	21.05	−1.25
250	19.72	20.8	−1.08
266.99	19.41	19.86	−0.45
271.49	18.76	19.54	−0.78
274.49	18.68	19.27	−0.59
274.64	18.53	19.25	−0.73
279.49	18.7	18.92	−0.22
284.34	18.53	18.65	−0.12
284.49	18.68	18.64	0.04
287.49	18.76	18.47	0.29
291.99	18.32	18.22	0.11
300	18.2	17.66	0.54
318.99	17.92	16.14	1.78
319.99	16.15	16.05	0.1
330	15.97	15.08	0.88

SITE SECTION B – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 3

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1513 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:21PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1513.DWG

100mm AT FULL SIZE

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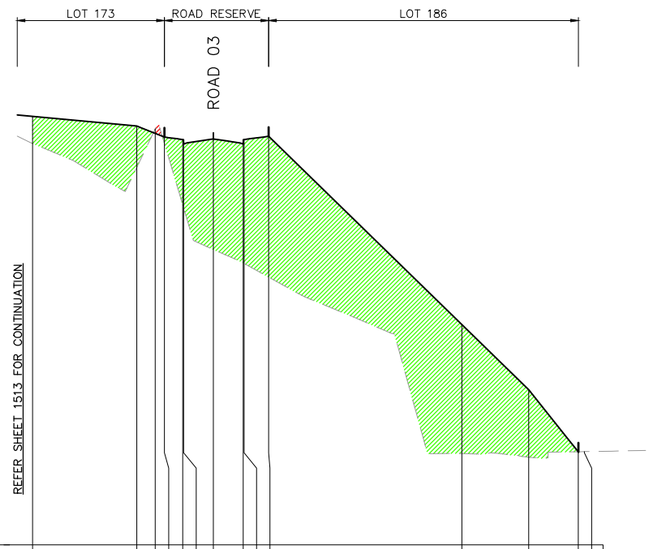
300362-CENG-1514

100mm AT FULL SIZE

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CUT

FILL



DATUM 2.0												
DESIGN SURFACE	15.97		15.65	15.41	15.29	15.21	15.06	15.23	15.06	15.21	15.32	
EXISTING SURFACE	15.08		14.3	15.56	15.09	13.08	12.98	11.62	11.19	11.17	10.73	
CUT/FILL	0.88		1.35	−0.15	0.2	2.13	2.08	3.61	3.87	4.04	4.59	
CHAINAGE	330		346.99	350	351.49	354.49	354.64	359.49	364.34	364.49	368.49	

DESIGN SURFACE								9.18		7.06		5.03
EXISTING SURFACE								4.98		4.86		5.03 / 5.04
CUT/FILL								4.2		2.2		−0.01 / 0
CHAINAGE								400		410.91		418.99 / 419.98

SITE SECTION B – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES

A1 1:500 — 0 12.5 25.0m — A3 1:1000

A1 1:100 — 0 2.5 5.0m — A3 1:200

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DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT

HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION

LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

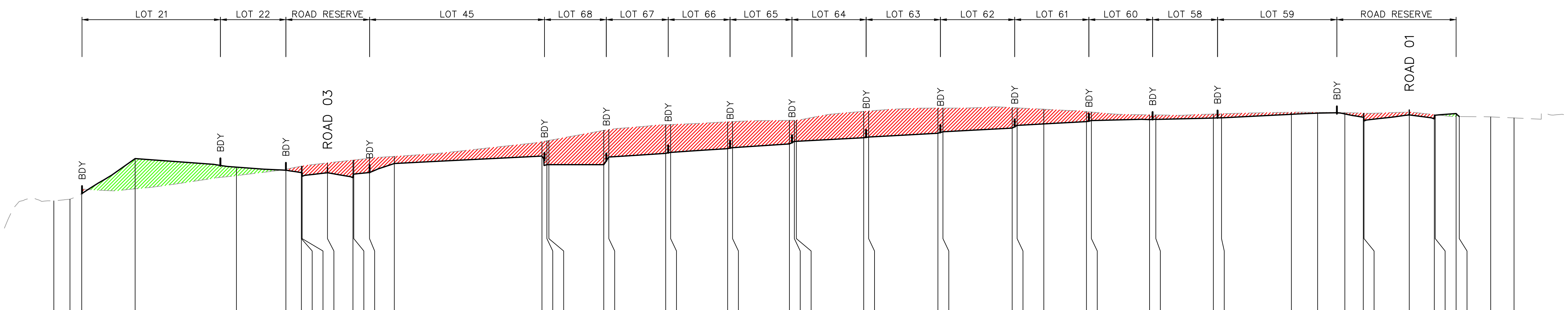
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE SECTIONS SHEET 4

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1514	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:26PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1514.DWG

CUT	
FILL	



DATUM 19.0

DESIGN SURFACE				25.24	24.89	24.77	24.67	24.67	24.55	24.66	24.48	24.61	24.67
EXISTING SURFACE	23.53	23.59	23.81	24.01	24.54	24.81	24.93	24.93	24.93	25.06	25.17	25.18	25.24
CUT/FILL	0	0	0	1.23	0.35	−0.04	−0.26	−0.26	−0.41	−0.4	−0.71	−0.57	−0.57
CHAINAGE	0	3.24	5.62	16.41	36.89	46.87	50	50.01	50.16	55.27	60.43	60.59	63.77

DESIGN SURFACE	25.04	25.33	24.99	24.99	24.99	25.3	25.45	25.49	25.64	25.67	25.83	25.93	25.93
EXISTING SURFACE	25.32	25.91	25.95	25.97	26.38	26.4	26.6	26.61	26.72	26.73	26.78	26.78	26.78
CUT/FILL	−0.29	−0.58	−0.96	−0.98	−1.39	−1.11	−1.16	−1.13	−1.08	−1.06	−0.95	−0.85	−0.85
CHAINAGE	68.78	98.6	99.6	100	111.1	112.1	123.59	124.6	136.1	137.11	148.6	149.6	150

DESIGN SURFACE	26.08	26.11	26.26	26.32	26.47	26.58	26.63	26.73	26.77	26.81	26.82	26.87	26.88
EXISTING SURFACE	27.14	27.16	27.27	27.27	27.29	27.28	27.23	27.13	27.11	27	27	27.03	27.04
CUT/FILL	−1.06	−1.05	−1.02	−0.96	−0.83	−0.71	−0.59	−0.4	−0.34	−0.19	−0.18	−0.16	−0.16
CHAINAGE	163.6	164.61	178.6	179.6	193.6	194.6	200	208.6	209.6	221.34	222.61	234.24	235.88

DESIGN SURFACE	27.02	27.07	27.04	26.9	26.75	27	26.87	26.99	27.05	26.93		
EXISTING SURFACE	27.1	27.1	27.09	27.07	27.07	27.11	27.01	27.01	26.93	26.93	26.92	26.88
CUT/FILL	−0.09	−0.03	−0.05	−0.17	−0.32	−0.11	−0.17	−0.02	0.12	0	0	0
CHAINAGE	250	255.3	260.8	264.53	264.68	273.81	278.88	279.07	283.29	283.92	290.27	294.99

SITE SECTION C

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

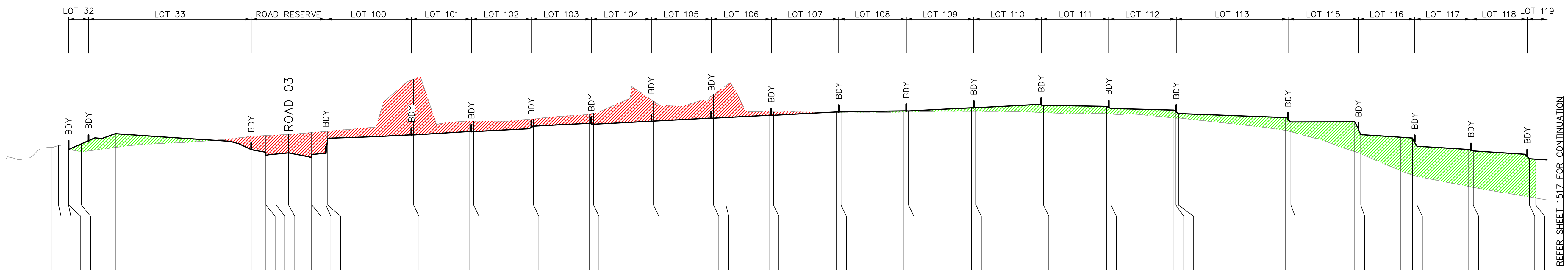
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
SITE SECTIONS
SHEET 5

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362 –	CENG –	1515	E

300362-CENG-1516

CUT	FILL



DATUM 15.0

DESIGN SURFACE					20.72	21.17	20.83	20.46	20.34	20.19	20.26	20.31
EXISTING SURFACE	20.56	20.63	20.63	20.47	20.36	20.55	20.94	21.04	21.08	21.08	21.1	21.13
CUT/FILL	0	0	0	0	0.36	0.61	−0.11	−0.58	−0.74	−0.89	−0.86	−0.82
CHAINAGE	0	1.64	3.86	3.91	6.74	14.25	39.76	44.46	47.59	47.74	50	52.77

DESIGN SURFACE	20.09	20.24	20.31	20.96	21.11	21.11	21.26	21.26	21.32	21.39	21.5	21.62
EXISTING SURFACE	21.22	21.22	21.27	21.28	23.51	23.58	21.72	21.72	21.72	21.81	21.82	22.04
CUT/FILL	−1.12	−0.98	−0.97	−0.32	−2.4	−2.47	−0.46	−0.46	−0.4	−0.42	−0.32	−0.41
CHAINAGE	57.79	57.96	61.06	61.48	79.56	80.56	92.89	93.89	100	106.22	107.22	119.57

DESIGN SURFACE	21.59	21.71	21.73	21.85	21.85	21.88	21.98	21.98	22.13	22.13	22.18	22.17
EXISTING SURFACE	22.07	22.74	22.61	22.71	22.9	23.3	22.14	22.13	22.12	22.12	22.13	22.13
CUT/FILL	−0.48	−1.03	−0.88	−0.86	−1.05	−1.41	−0.15	−0.15	0.01	0.01	0.05	0.04
CHAINAGE	120.57	132.89	133.89	146.22	147.22	150	159.56	160.56	174.56	175.56	189.56	190.56

DESIGN SURFACE	22.27	22.32	22.32	22.46	22.42	22.38	22.28	22.21	22.15	22.06	21.88	21.69
EXISTING SURFACE	22.16	22.16	22.16	22.11	22.1	22.05	22.04	21.86	21.86	21.86	21.31	21.25
CUT/FILL	0.11	0.16	0.16	0.35	0.32	0.32	0.24	0.35	0.29	0.2	0.57	0.43
CHAINAGE	200	204.56	205.56	219.56	220.56	234.56	235.56	249.56	250	250.56	274.29	275.56

DESIGN SURFACE	21.69	21.12	21.01	20.97	20.61	20.46	20.4	20.25	20.05	20.03
EXISTING SURFACE	20.37	20.27	19.52	19.33	19.27	18.82	18.78	18.39	18.35	18.31
CUT/FILL	1.34	0.86	1.49	1.65	1.35	1.64	1.62	1.87	1.7	1.73
CHAINAGE	289.76	291.08	300	302.58	303.58	315.08	316.08	327.58	328.58	330

SITE SECTION D – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

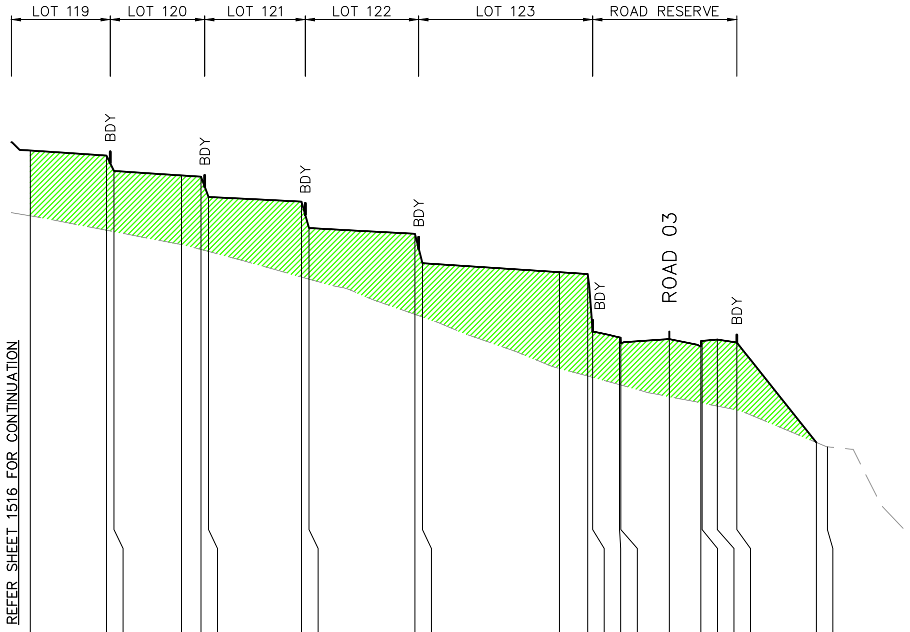
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE SECTIONS SHEET 6

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1516 — REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:37PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1516.DWG

	CUT
	FILL



REFER SHEET 1516 FOR CONTINUATION

DATUM 7.0

DESIGN SURFACE	20.03	19.9	19.49	19.38	19.34	18.8	18.68	17.98	17.83	17.05	16.81
EXISTING SURFACE	18.31	17.92	17.89	17.54	17.42	17.36	16.69	16.63	15.7	15.63	14.27
CUT/FILL	1.73	1.98	1.61	1.84	1.93	1.44	2	1.36	2.14	1.43	2.55
CHAINAGE	330	340.08	341.08	350	352.58	353.58	365.88	366.88	380.88	381.88	400

DESIGN SURFACE	16.77	15.25	15.09	14.93	15.04	14.9	14.99	15.03	14.95		
EXISTING SURFACE	14.07	14.03	13.84	13.83	13.52	13.36	13.35	13.27	13.17	12.31	12.19
CUT/FILL	2.7	1.22	1.25	1.1	1.53	1.49	1.64	1.76	1.78	0	0
CHAINAGE	403.73	404.4	407.97	408.14	414.55	418.71	418.87	420.88	423.47	433.98	435.45

SITE SECTION D – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.

1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.

2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.

3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

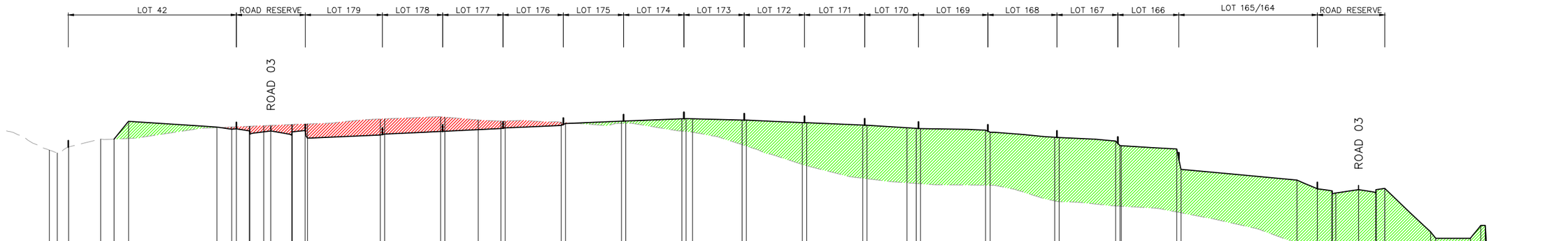
PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: SITE SECTIONS SHEET 7

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362 –	CENG –	1517	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:42PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1517.DWG

300362-CENG-1518



DATUM 5.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0	15.58	14.5	−0
1.83	15.47	14.37	0
4.48	15.5	14.65	0
11.97	15.4	15.02	0
15.08	15.25	15.02	−0
18.48	15.36	15.05	0.79
39.1	15.4	15.55	0.03
42.53	15.21	15.58	−0.1
43.61	15.35	15.59	−0.09
46.63	15.42	15.61	−0.21
46.78	15.06	15.61	−0.37
50	15.21	15.65	−0.26
51.65	15.21	15.7	−0.49
56.52	15.35	15.7	−0.35
56.67	15.42	15.72	−0.3
59.65	15.06	15.72	−0.66
60.18	15.21	15.95	−0.74
77.18	15.25	15.96	−0.71
78.18	15.37	16.06	−0.69
91.24	15.38	16.04	−0.66
92.24	15.46	15.91	−0.45
100	15.51	15.86	−0.35
105.3	15.54	15.86	−0.32
106.3	15.65	15.8	−0.15
119.37	15.74	15.78	−0.04
120.37	15.85	15.75	0.1
133.43	15.86	15.75	0.11
134.43	15.96	15.39	0.57
147.49	15.97	15.37	0.6
148.49	15.96	15.34	0.62
150	15.9	14.76	1.14
161.55	15.9	14.69	1.21
162.55	15.78	13.84	1.95
175.62	15.78	13.77	2.01
176.62	15.67	13.19	2.47
189.68	15.66	13.17	2.49
190.68	15.54	12.98	2.56
200	15.52	12.95	2.57
202.18	15.51	12.94	2.57
203.18	15.43	12.87	2.56
218.35	15.34	12.87	2.47
219.4	15.1	12.14	2.97
234.47	15.09	12.11	2.98
235.5	14.93	11.91	3.02
248.68	14.72	11.9	2.82
249.68	14.71	11.89	2.82
250	14.56	11.63	2.93
262.92	13.61	11.59	2.02
263.92	13.11	10.17	2.94
290.96	12.71	9.86	2.85
295.71	12.61	9.74	2.88
299.07	12.46	9.73	2.73
299.22	12.67	9.57	3.1
305.32	12.52	9.43	3.09
309.33	12.67	9.42	3.24
309.48	12.72	9.33	3.39
311.43	10.7	9.02	1.68
322.12	10.4	8.99	1.41
323.33	10.4	8.59	1.81
331.39	11	8.47	2.53
333.84	11	8.43	2.57
334.86	9.5	8.41	1.09
335.37	9.44	8.32	1.12
337.91	8.16	−0.01	8.16
343.14			

SITE SECTION E

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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adw Johnson
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 8

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1518	E

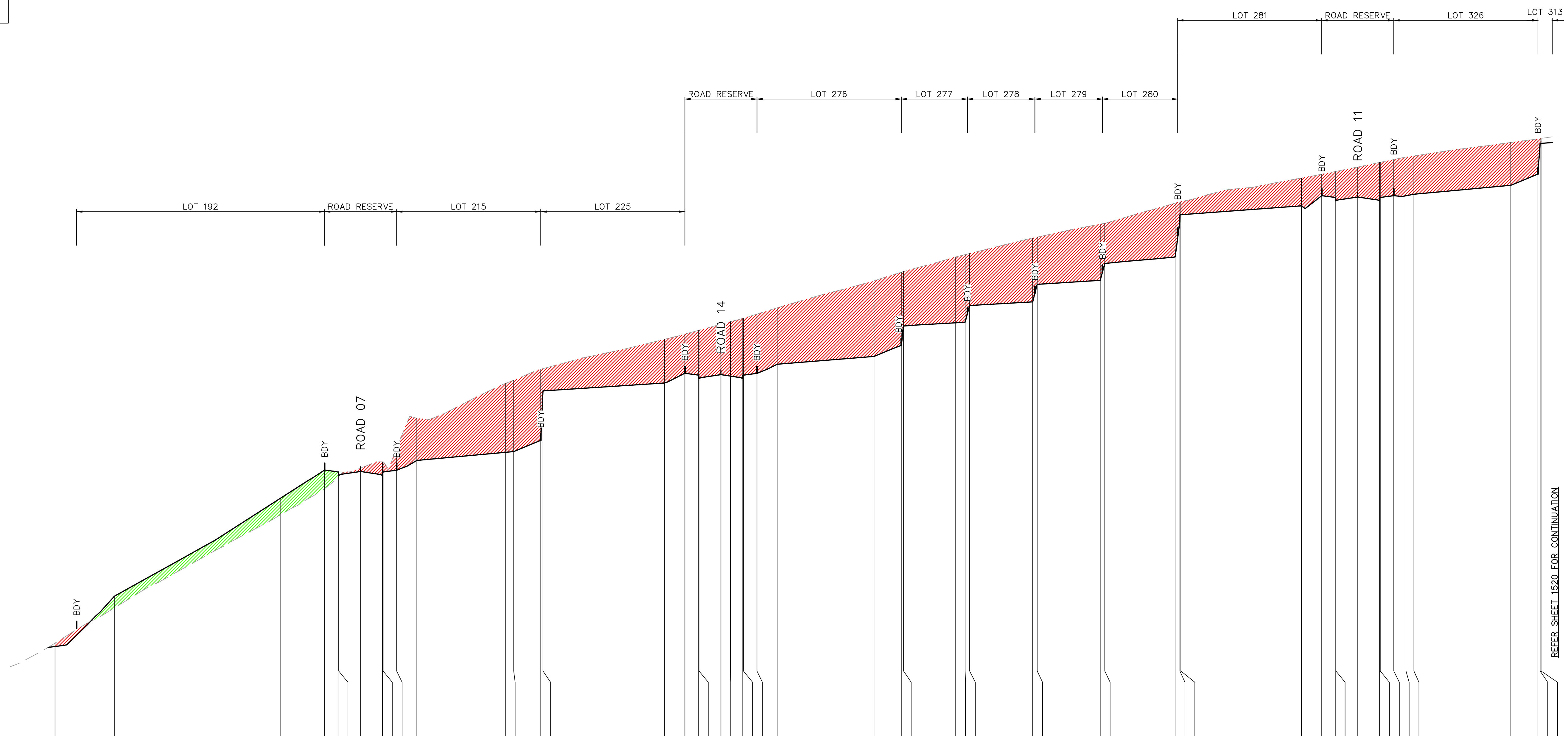
Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:48PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1518.DWG

100mm AT FULL SIZE
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300362-CENG-1519

CUT

FILL



DATUM 1.0

DESIGN SURFACE	5.09	7.32	11.67	12.93	12.85	12.7	12.87	12.69	12.84	12.93	13.36	13.72	13.75
EXISTING SURFACE	5.24	6.8	10.93	12.1	12.62	12.65	13.02	13.3	13.3	13.92	15.24	16.78	16.92
CUT/FILL	−0.15	0.52	0.81	0.83	0.23	0.05	−0.15	−0.6	−0.45	−1	−1.87	−3.06	−3.17
CHAINAGE	0	13.17	50	59.86	62.86	63.01	67.86	72.71	72.86	75.86	80.36	100	101.86

DESIGN SURFACE	14.25	16.45	16.8	17.23	17.15	17	17.17	17.11	17	17.15	17.23	17.64	17.98
EXISTING SURFACE	17.41	17.44	18.74	18.97	19.14	19.15	19.41	19.53	19.67	19.68	19.86	20.14	21.34
CUT/FILL	−3.16	−0.99	−1.94	−1.74	−1.99	−2.15	−2.24	−2.43	−2.68	−2.54	−2.64	−2.51	−3.36
CHAINAGE	107.86	108.36	135.37	139.87	142.87	143.02	147.87	150	152.72	152.87	155.87	160.37	181.87

DESIGN SURFACE	18.48	19.33	19.47	19.51	20.24	20.41	21.19	21.36	22.11	22.4	24.28	24.28	24.67
EXISTING SURFACE	21.72	21.76	22.4	22.51	22.56	23.24	23.29	23.86	23.9	24.8	24.85	24.86	25.91
CUT/FILL	−3.25	−2.42	−2.95	−3.03	−2.31	−2.84	−2.1	−2.5	−1.79	−2.39	−0.57	−0.58	−1.24
CHAINAGE	187.93	188.44	200	202.11	203.11	217.11	218.11	232.11	233.11	248.74	249.79	250	276.79

DESIGN SURFACE	25.13	25.05	24.9	25.07	24.9	25.05	25.13	25.12	25.19	25.59	26.09	27.45	27.45
EXISTING SURFACE	26.08	26.2	26.21	26.4	26.6	26.61	26.73	26.84	26.89	27.49	27.65	27.66	27.67
CUT/FILL	−0.95	−1.15	−1.31	−1.33	−1.71	−1.56	−1.61	−1.68	−1.71	−1.91	−1.56	−0.21	−0.22
CHAINAGE	281.29	284.29	284.44	289.29	294.14	294.29	297.29	300	301.75	323.29	329.29	329.79	330

SITE SECTION F – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

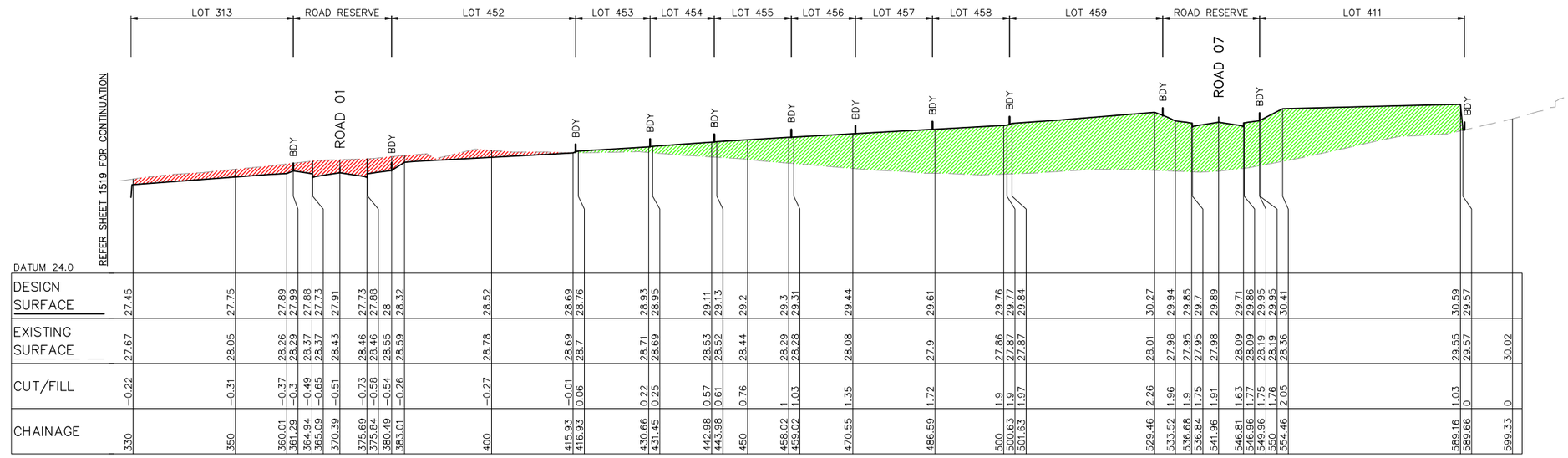
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
SITE SECTIONS
SHEET 9

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
ADW Johnson	GDA2020 M.G.A. ZONE 56 A.H.D.	300362	CENG	1519	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:53PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1519.DWG

300362-CENG-1520



GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

SITE SECTION F – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

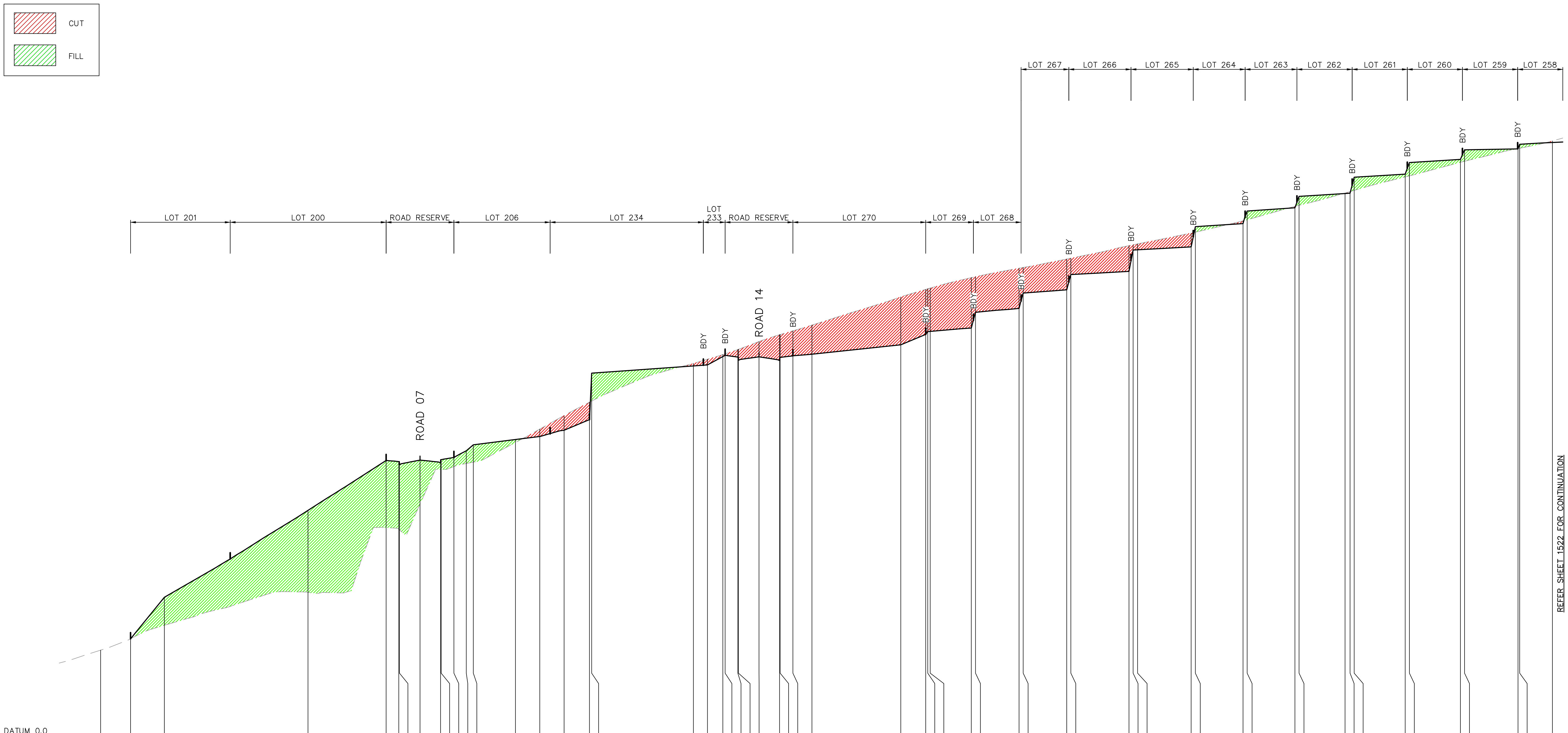
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 10

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1520 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:36:58PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1520.DWG

100mm AT FULL SIZE
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300362-CENG-1521



DATUM 0.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		4.11	0
7.21		4.65	0
15.36	6.66	5.31	1.35
50	10.85	6.89	4.04
68.82	13.25	10.02	3.22
71.89	13.2	9.93	3.26
72.04	13.05	9.9	3.14
76.99	13.27	11.15	2.11
81.95	13.14	12.82	0.31
82.11	13.29	12.82	0.46
85.17	13.4	12.96	0.43
88.15	13.72	13.11	0.61
89.84	14.01	13.17	0.84
100	14.26	14.12	0.14
105.88	14.41	14.76	−0.36
111.73	14.71	15.42	−0.71
117.86	15.23	16.06	−0.84
118.37	17.46	16.11	1.34
142.91	17.81	17.93	−0.12
146.3	17.86	18.13	−0.27
150	18.26	18.36	−0.1
150.55	18.32	18.39	−0.07
153.61	18.23	18.6	−0.36
153.77	18.08	18.61	−0.53
158.73	18.25	18.98	−0.73
163.68	18.07	19.31	−1.24
163.83	18.22	19.32	−1.1
166.9	18.3	19.5	−1.2
171.49	18.38	19.78	−1.4
192.91	18.83	21.14	−2.31
198.91	19.33	21.5	−2.17
199.41	19.46	21.53	−2.07
200	19.47	21.56	−2.09
209.91	19.64	22.06	−2.45
210.91	20.39	22.11	−1.71
221.41	20.58	22.52	−1.97
222.41	21.32	22.55	−1.23
232.91	21.48	22.96	−1.49
233.91	22.21	23	−0.79
247.91	22.37	23.6	−1.24
248.91	23.4	23.65	−0.25
250	23.41	23.69	−0.28
262.91	23.55	24.21	−0.66
263.91	24.52	24.25	0.26
275.41	24.67	24.8	−0.13
276.41	25.28	24.85	0.43
287.91	25.43	25.5	−0.07
288.91	25.98	25.55	0.43
300	26.12	26.14	−0.02
301.21	26.13	26.21	−0.08
302.21	26.91	26.27	0.64
314.52	27.05	26.92	0.13
315.52	27.61	26.97	0.64
327.82	27.76	27.62	0.14
328.82	28.22	27.67	0.55
341.72	28.27	28.28	−0.01
342.12	28.49	28.3	0.19
350	28.58	28.65	−0.08

SITE SECTION G – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
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E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 — 12.5 — 25.0m — A3 1:1000
A1 1:100 — 0 — 2.5 — 5.0m — A3 1:200

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ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT
PROPOSED SUBDIVISION

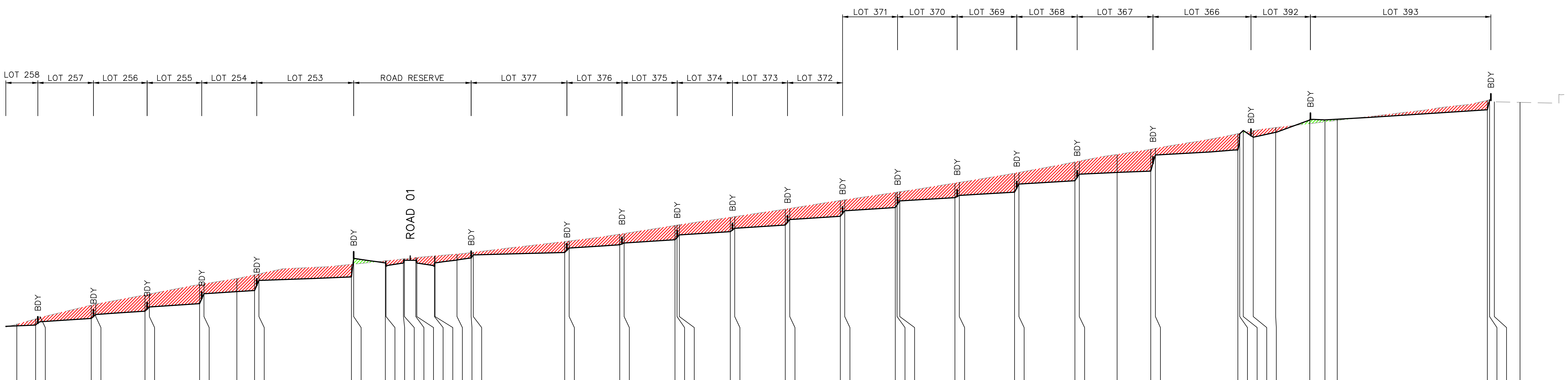
PLAN TITLE
SITE SECTIONS
SHEET 11

PROJECT No.		DISCIPLINE		NUMBER	REV.
300362	–	CENG	–	1521	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:04PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1521.DWG

300362-CENG-1522

CUT
FILL



DATUM 26.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
350	28.58	28.65	-0.08
354.28	28.62	28.89	-0.27
355.28	28.76	28.94	-0.18
366.92	28.92	29.52	-0.6
367.92	29.09	29.56	-0.47
379.12	29.25	29.99	-0.74
380.12	29.44	30.03	-0.59
391.52	29.59	30.46	-0.87
392.52	30.04	30.49	-0.45
400	30.13	30.73	-0.6
404.02	30.19	30.9	-0.71
405.02	30.64	30.94	-0.3
426.03	30.8	31.37	-0.57
426.53	31.65	31.38	0.26
433.73	31.44	31.53	-0.09
433.88	31.29	31.53	-0.25
437.83	31.44	31.62	-0.18
438.06	31.56	31.62	-0.06
440.66	31.56	31.68	-0.12
440.88	31.43	31.68	-0.25
444.88	31.29	31.75	-0.47
445.03	31.44	31.76	-0.32
450	31.57	31.84	-0.26
453.23	31.67	31.91	-0.24
453.71	31.8	31.92	-0.12
474.48	31.91	32.41	-0.5
475.48	32.11	32.43	-0.32
486.98	32.26	32.75	-0.48
487.98	32.34	32.78	-0.43
499.53	32.49	33.14	-0.65
500	32.59	33.15	-0.56
500.53	32.71	33.17	-0.46
512.1	32.86	33.51	-0.65
513.1	33.01	33.54	-0.53
524.6	33.16	33.88	-0.72
525.6	33.41	33.92	-0.51
537.11	33.56	34.28	-0.72
538.11	33.81	34.31	-0.5
549.61	33.96	34.64	-0.69
550	34.08	34.66	-0.58
550.61	34.26	34.67	-0.42
563.15	34.41	35.07	-0.66
564.15	34.51	35.1	-0.59
576.69	34.66	35.52	-0.86
577.69	35.03	35.55	-0.53
590.41	35.17	36.03	-0.85
591.41	35.47	36.07	-0.59
600	35.55	36.37	-0.82
607.64	35.61	36.6	-0.99
608.69	36.35	36.64	-0.3
627.42	36.57	37.31	-0.74
627.85	37.31	37.33	-0.01
628.64	37.46	37.36	0.1
630.91	37.15	37.45	-0.29
636.03	37.37	37.59	-0.22
643.77	37.95	37.77	0.18
647.22	37.94	37.85	0.09
650	37.97	37.92	0.06
684.1	38.4	38.83	-0.42
684.62		38.85	0
685.7		38.76	0
691.53		38.74	0

SITE SECTION G – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

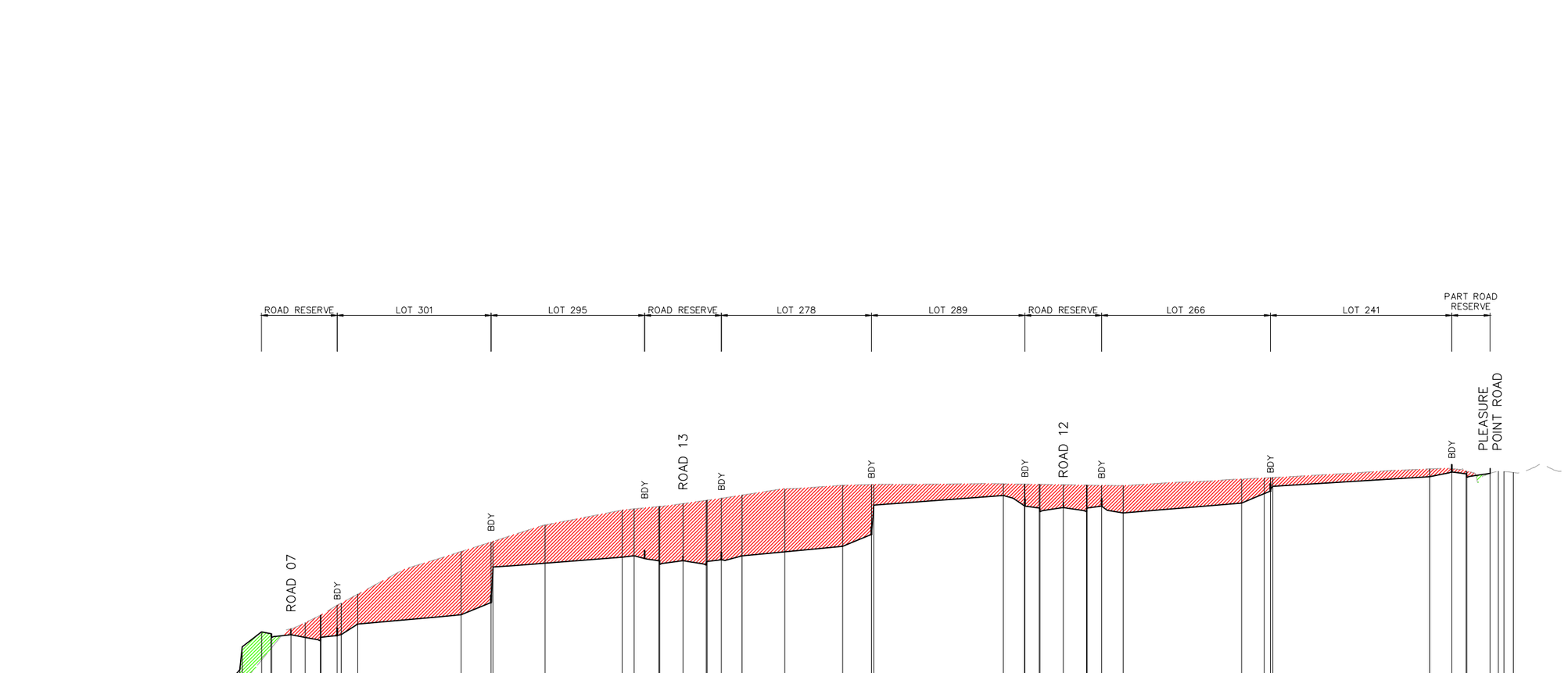
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 12

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1522 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:09PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1522.DWG

300362-CENG-1523



DATUM 8.0

CHAINAGE	CUT/FILL	EXISTING SURFACE	DESIGN SURFACE
0	0	11.99	
2.32	0	11.92	
11.32	1.35	12.56	13.9
13.92	1.37	12.54	13.91
14.38	1.89	12.55	14.44
15.22	1.73	12.58	14.31
28.99	1	13.28	14.28
31.73	0.85	13.85	14.7
33.07	0.61	14.12	14.73
36.34	0.67	14.8	15.47
36.84	1.53	14.9	16.42
39.88	1.18	15.87	17.04
40.84	0.62	16.34	16.97
42.99	0.44	16.38	16.82
47.01	−0.25	17.18	16.93
50	−0.63	17.43	16.81
53.13	−1.07	17.74	16.67
53.29	−0.94	17.76	16.82
56.65	−1.27	18.16	16.89
57.48	−1.32	18.25	16.93
60.93	−1.25	18.62	17.37
82.5	−2.64	20.4	17.76
88.74	−2.53	20.8	18.27
89.16	−1.07	20.82	19.75
100	−1.59	21.5	19.91
116.09	−1.97	22.12	20.16
118.58	−1.96	22.18	20.22
123.77	−2.27	22.27	20.01
123.92	−2.42	22.28	19.86
128.77	−2.38	22.4	20.02
133.63	−2.7	22.53	19.86
133.78	−2.56	22.53	19.98
136.78	−2.56	22.62	20.05
141.1	−2.54	22.75	20.21
150	−2.63	23.02	20.38
162.08	−2.55	23.16	20.61
168.08	−2.08	23.19	21.11
168.58	−0.86	23.2	22.33
195.58	−0.49	23.22	22.73
200	−0.91	23.21	22.3
200.08	−0.92	23.21	22.29
203.08	−0.99	23.2	22.21
203.23	−1.14	23.2	22.06
208.08	−0.95	23.18	22.23
212.93	−1.11	23.17	22.06
213.08	−0.96	23.17	22.21
216.08	−0.87	23.16	22.29
220.58	−1.15	23.15	22.01
245.28	−1	23.42	22.42
250	−0.65	23.47	22.81
251.28	−0.56	23.48	22.92
251.78	−0.37	23.48	23.12
284.5	−0.33	23.84	23.52
289.1	−0.13	23.85	23.72
292.1	−0.12	23.75	23.64
292.45	−0.26	23.75	23.49
297.1	0	23.66	23.66
298.82	0	23.75	
300	−0	23.73	
301.95	0	23.69	

SITE SECTION 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw Johnson
Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

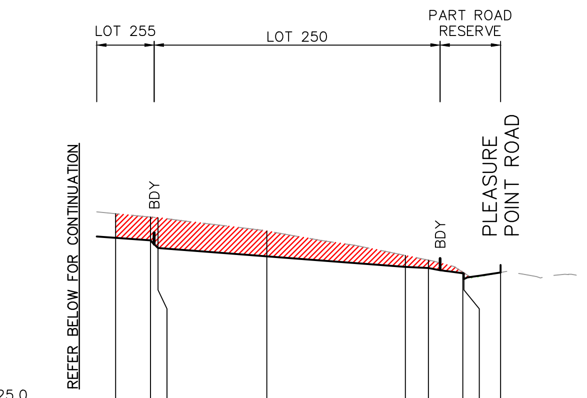
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 13

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1523 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:15PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1523.DWG

100mm AT FULL SIZE
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300362-CENG-1524

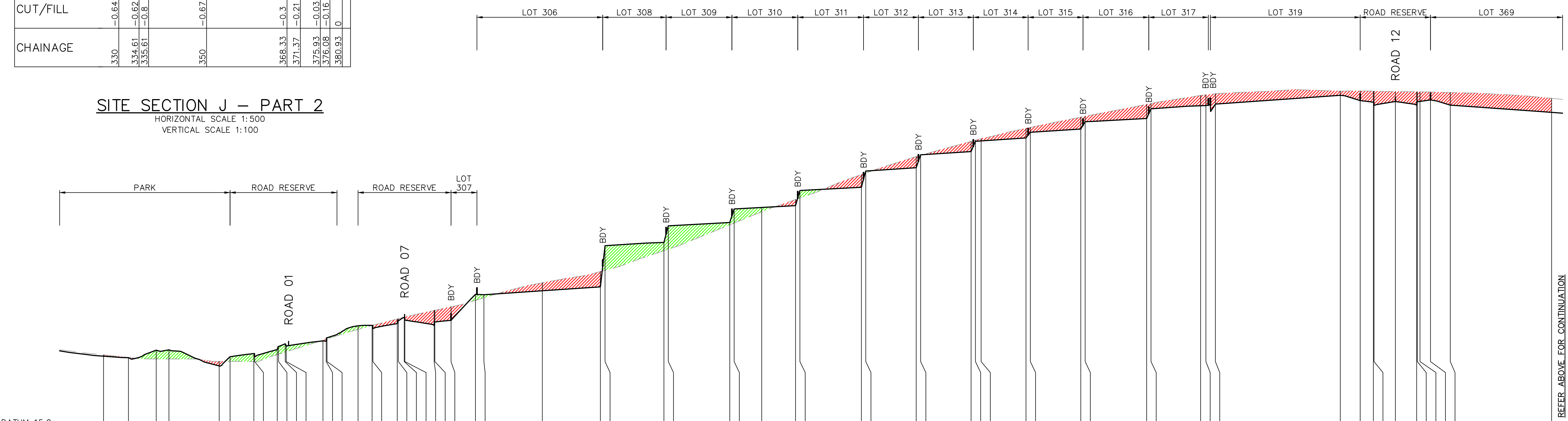


DATUM 25.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
330	29.38	30.02	−0.64
334.61	29.31	29.93	−0.62
335.61	29.11	29.91	−0.8
350	28.89	29.56	−0.67
368.33	28.61	28.91	−0.3
371.37	28.58	28.79	−0.21
375.93	28.44	28.47	−0.03
376.08	28.29	28.45	−0.16
380.93	28.46	28.46	0

SITE SECTION J – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



DATUM 15.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0	18.25	18.31	−0.06
5.68	18.18	18.19	−0.01
12.01	18.52	18.12	0.4
14.91	18.54	18.12	0.42
26.37	17.8	18.01	−0.23
28.84	18.22	18.01	0.21
34.25	18.36	18	0.36
34.44	18.25	17.99	0.22
39.6	18.55	18.32	0.23
39.88	18.69	18.34	0.35
41.42	18.81	18.44	0.38
41.65	18.7	18.45	0.26
50	18.94	18.97	−0.06
50.74	18.93	19.02	−0.09
50.94	19.09	19.03	0.05
58.01	19.63	19.47	0.18
61.19	19.65	19.65	0
61.39	19.51	19.66	−0.15
66.93	19.74	19.94	−0.25
67.19	19.86	19.96	−0.13
68.53	20.02	20.02	−0
68.68	19.9	20.03	−0.14
75.35	19.66	20.33	−0.68
75.52	19.81	20.34	−0.53
79.2	19.89	20.5	−0.61
84.76	21.07	20.8	0.27
86.68	21.05	20.91	0.14
100	21.23	21.6	−0.36
113.24	21.42	22.11	−0.7
114.29	23.29	22.17	1.12
127.7	23.44	23.06	0.38
128.7	24.2	23.13	1.07
142.7	24.35	24.24	0.11
143.7	24.97	24.33	0.64
150	25.04	24.84	0.2
157.7	25.12	25.4	−0.28
158.7	25.81	25.47	0.34
172.7	25.96	26.54	−0.58
173.7	26.7	26.61	0.09
185.2	26.85	27.36	−0.51
186.2	27.44	27.42	0.02
197.7	27.59	28.05	−0.47
198.7	28.06	28.11	−0.05
200	28.08	28.18	−0.1
210.2	28.21	28.65	−0.44
211.2	28.47	28.69	−0.22
222.7	28.62	29.16	−0.54
223.7	28.95	29.2	−0.25
237.7	29.1	29.74	−0.65
238.7	29.54	29.79	−0.25
250	29.68	30.15	−0.48
251.2	29.69	30.18	−0.49
253.37	29.75	30.23	−0.47
281.84	30.16	30.35	−0.19
286.37	29.92	30.35	−0.43
289.38	29.84	30.34	−0.5
289.53	29.69	30.34	−0.65
294.39	29.87	30.33	−0.45
299.24	29.71	30.32	−0.61
299.39	29.86	30.32	−0.46
300	29.88	30.31	−0.44
302.39	29.95	30.3	−0.36
306.89	29.71	30.28	−0.57
330	29.38	30.02	−0.64

SITE SECTION J – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

CUT
FILL

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

100mm AT FULL SIZE

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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
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PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

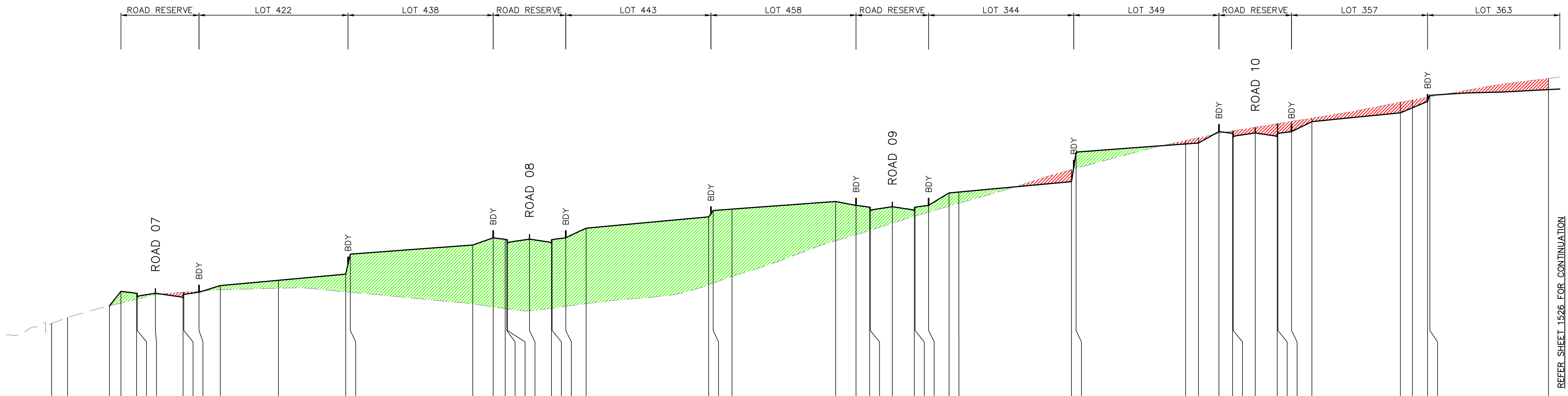
SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 14

PROJECT No. 300362 – DISCIPLINE CENG – NUMBER 1524 REV. E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:20PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1524.DWG

CUT
FILL



REFER SHEET 1526 FOR CONTINUATION

DATUM 21.0

CHAINAGE	DESIGN SURFACE	EXISTING SURFACE	CUT/FILL
0		24.31	0
3.53		24.58	0
12.75		25.09	−0
15.3	25.73	25.21	0.52
18.74	25.64	25.38	0.26
18.9	25.49	25.38	0.11
22.89	25.64	25.58	0.06
29	25.44	25.69	−0.24
29.15	25.59	25.69	−0.1
32.5	25.69	25.73	−0.04
37.19	25.98	25.79	0.19
50	26.21	25.86	0.35
64.85	26.48	25.7	0.78
65.85	27.37	25.69	1.68
92.85	27.77	25.17	2.6
97.35	28.09	25.05	3.04
100	28.02	24.97	3.04
100.35	28.01	24.96	3.04
100.5	27.86	24.96	2.9
105.35	28.03	24.88	3.15
110.2	27.86	24.99	2.87
110.35	28.01	24.99	3.02
113.35	28.09	25.07	3.02
117.85	28.51	25.18	3.33
144.85	29.01	26.02	2.99
145.85	29.29	26.09	3.2
150	29.35	26.39	2.96
172.85	29.69	27.95	1.73
177.35	29.51	28.22	1.3
180.35	29.43	28.41	1.03
180.5	29.28	28.42	0.87
185.35	29.45	28.73	0.72
190.2	29.28	29.04	0.25
190.35	29.43	29.05	0.39
193.35	29.51	29.22	0.3
197.85	30.06	29.48	0.58
200	30.1	29.61	0.49
224.85	30.56	31.09	−0.53
225.85	31.86	31.15	0.72
250	32.22	32.37	−0.15
252.85	32.26	32.49	−0.23
257.35	32.77	32.68	0.08
260.35	32.68	32.79	−0.11
260.5	32.53	32.8	−0.26
265.35	32.71	32.96	−0.25
270.2	32.53	33.11	−0.58
270.35	32.68	33.12	−0.44
273.35	32.77	33.22	−0.45
277.85	33.2	33.35	−0.15
297.35	33.59	34.06	−0.46
300	33.81	34.15	−0.34
303.35	34.09	34.27	−0.18
303.85	34.36	34.29	0.07
330	34.61	35.11	−0.49

SITE SECTION K – PART 1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.

1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.

2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.

3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

NOT FOR CONSTRUCTION

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100mm AT FULL SIZE

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0, 12.5, 25.0m — A3 1:1000
A1 1:100 — 0, 2.5, 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD,
PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

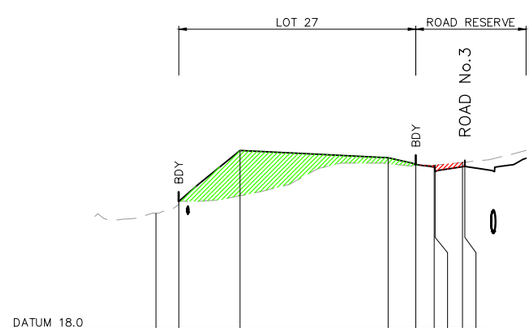
PROJECT
PROPOSED SUBDIVISION

PLAN TITLE
SITE SECTIONS
SHEET 15

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362 –	CENG –	1525	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:25PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362–CENG–1525.DWG

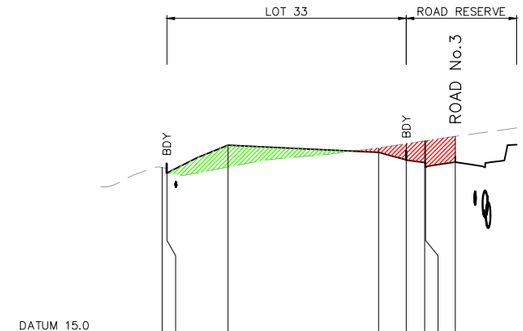
300362-CENG-1526



DATUM 18.0								
DESIGN SURFACE			23.83		23.6	23.37	23.29	23.14	23.3	23.31
EXISTING SURFACE	21.78	22.18	22.36		23.4	23.34	23.35	23.35	23.44	23.45
CUT/FILL	0	0	1.47		0.19	0.03	−0.06	−0.21	−0.14	−0.14
CHAINAGE	0	3.72	13.71		37.87	42.37	45.37	45.52	50	50.37

SITE SECTION 1

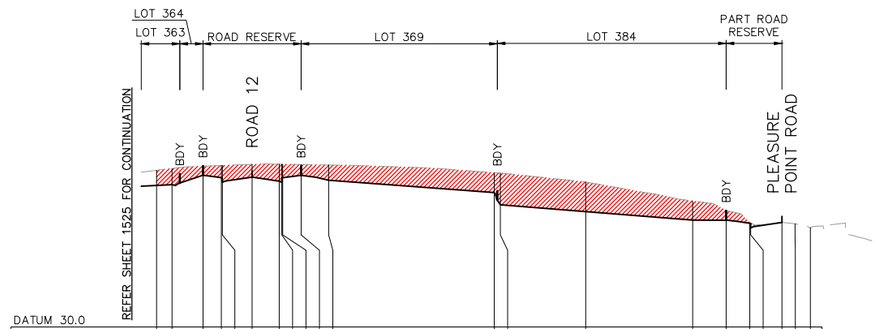
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



DATUM 15.0								
DESIGN SURFACE		20.2	21.1		20.87	20.62	20.53	20.38	20.55
EXISTING SURFACE	20.37	20.2	20.39		21.01	21.15	21.24	21.24	21.39
CUT/FILL	−0.11	0	0.71		−0.14	−0.53	−0.71	−0.86	−0.84
CHAINAGE	0	0.77	10.74		35.3	39.81	42.81	42.96	47.81

SITE SECTION 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



DATUM 30.0																
DESIGN SURFACE	34.61	34.64	34.95	34.87	34.72	34.89	34.75	34.71	34.86	34.95	34.78	34.38	33.98	33.76	33.48	33.49	33.38	33.23	33.41	
EXISTING SURFACE	35.11	35.17	35.24	35.26	35.26	35.3	35.31	35.31	35.3	35.29	35.28	35.03	35.01	34.72	34.11	33.8	33.4	33.38	33.41	33.37	33.24	
CUT/FILL	−0.49	−0.53	−0.29	−0.4	−0.55	−0.41	−0.58	−0.59	−0.44	−0.35	−0.5	−0.65	−1.03	−0.96	−0.62	−0.31	−0.02	−0.16	0	0	0	
CHAINAGE	330	332.51	337.57	340.58	340.73	345.58	350	350.43	350.58	353.58	358.08	385.08	386.08	400	417.45	422.9	426.75	426.9	432	434.15	436.64	

SITE SECTION K – PART 2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

GENERAL NOTES:

1. CUT/FILL VOLUMES DO NOT ACCOUNT FOR TRENCH SPOIL.
1. CUT/FILL VOLUMES ARE BASED UPON THE DIFFERENCE BETWEEN A STRIPPED NATURAL SURFACE AND PROPOSED SUBGRADE SURFACE.
2. STRIPPED NATURAL SURFACE ASSUMES 100mm OF TOPSOIL TO BE STRIPPED PRIOR TO EARTHWORKS.
3. SUBGRADE SURFACE ASSUMES BOXING ALLOWANCE OF 560mm ON THE COLLECTOR ROAD AND 150mm OR 250mm (ON ROCK) ON ALL OTHER ROADS. SUBGRADE SURFACE ALSO MAKES ALLOWANCE FOR 150mm OF TOPSOIL TO BE REPLACED ON LOTS.

CUT
FILL

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES
A1 1:500 — 0 12.5 25.0m — A3 1:1000
A1 1:100 — 0 2.5 5.0m — A3 1:200

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project
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CLIENT
HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION
LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692
HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson
DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

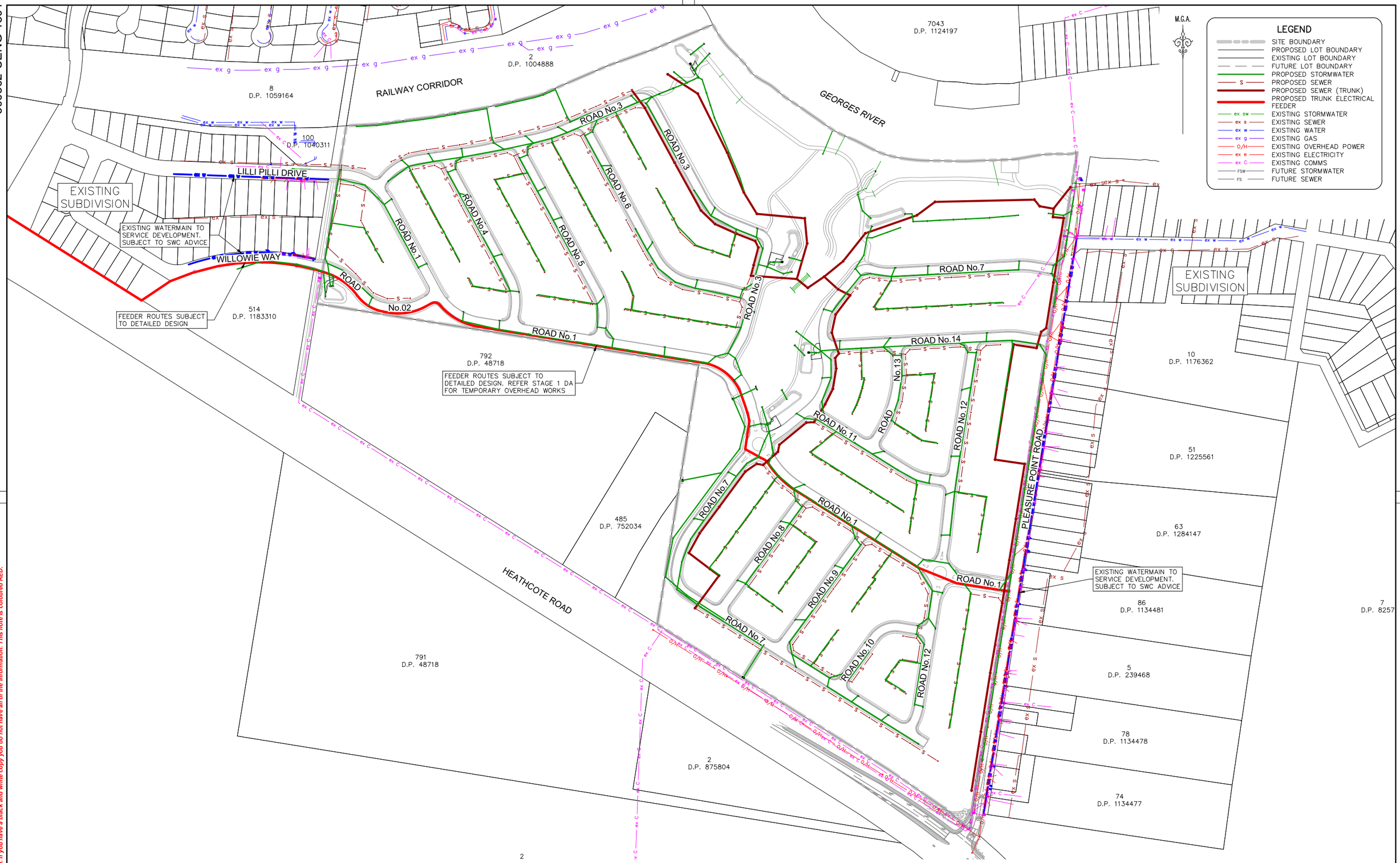
PROJECT: PROPOSED SUBDIVISION
PLAN TITLE: SITE SECTIONS SHEET 16

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1526	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:31PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1526.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

300362-CENG-1801



TRUNK SERVICING PLAN

SCALE 1:2000

NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	21.08.2024	INITIAL ISSUE	M.P.	J.J.	N.W.	B.M.
B	03.09.2024	ISSUED FOR DA	M.P.	J.J.	N.W.	B.M.
C	14.03.2025	UPDATED DESIGN	M.P.	L.K.	N.W.	B.M.
D	06.06.2025	SYDNEY TRAINS COMMENTS	M.P.	J.J.	N.W.	B.M.
E	30.10.2025	AMENDMENTS TO STAGING PLAN	M.P.	M.H.	N.W.	B.M.

SCALES: A1 1:2000 — 0 50 100m — A3 1:4000

DESIGN FILE S:\300362\Design\12D\Pleasure Point\Pleasure_Point.project

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ABN 62 129 445 398

CLIENT: HODGE DEVELOPMENTS PTY LTD

PROPERTY DESCRIPTION: LOT 1 IN D.P.875804 & LOT 2 IN D.P.817692 HEATHCOTE ROAD & PLEASURE POINT ROAD, PLEASURE POINT

SURVEYED: ADW Johnson

DATUM: GDA2020 M.G.A. ZONE 56 A.H.D.

PROJECT: PROPOSED SUBDIVISION

PLAN TITLE: TRUNK SERVICING PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
300362	CENG	1801	E

Plotted By: Mark Hoyland Plot Date: 30/10/25 12:37:37PM Cad File: S:\300362\DWG\ENGINEERING\CENG\CENG(2)\300362-CENG-1801.DWG

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.