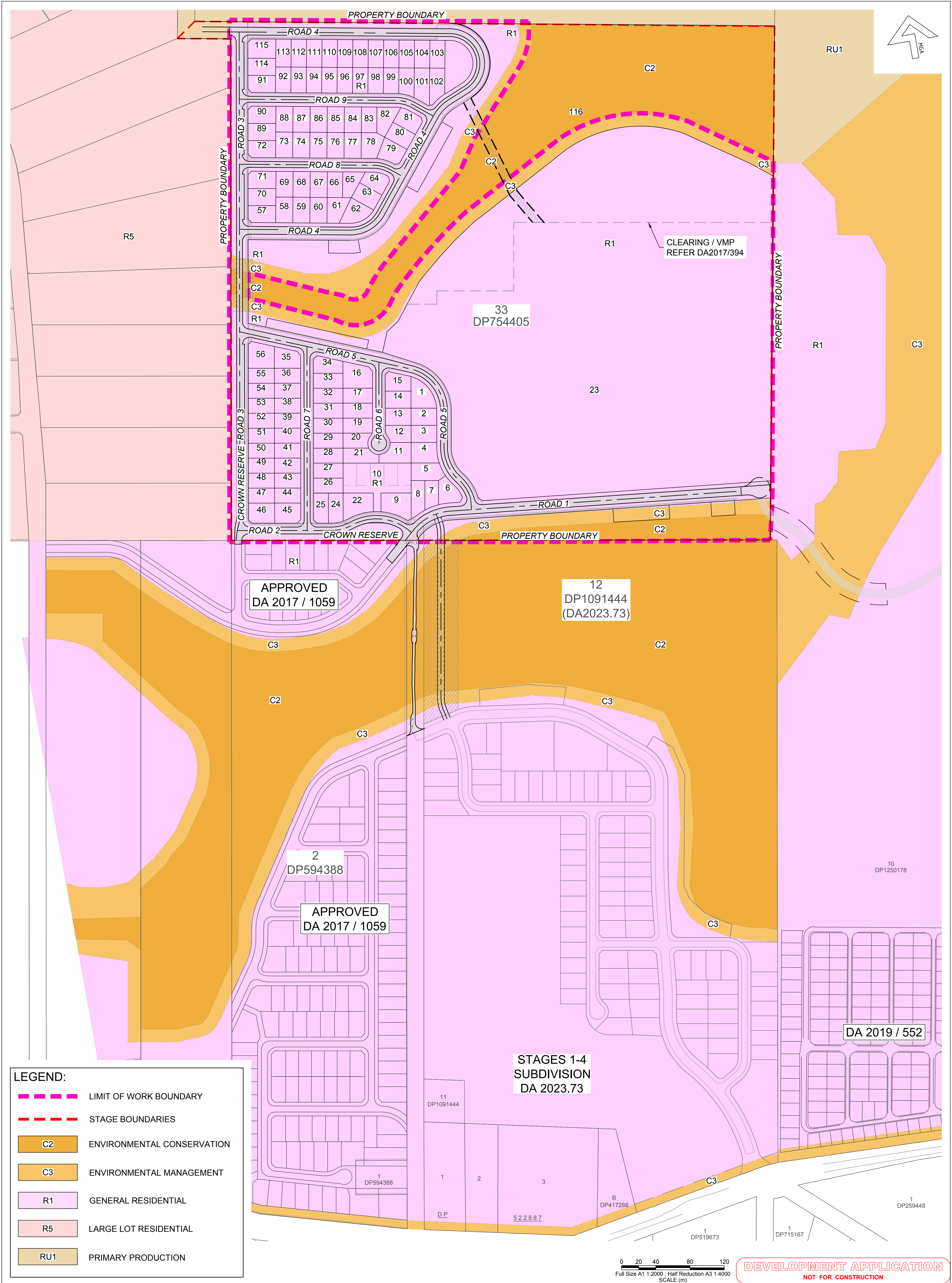




LEGEND:

- LIMIT OF WORK BOUNDARY
- STAGE BOUNDARIES
- C2 ENVIRONMENTAL CONSERVATION
- C3 ENVIRONMENTAL MANAGEMENT
- R1 GENERAL RESIDENTIAL
- R5 LARGE LOT RESIDENTIAL
- RU1 PRIMARY PRODUCTION

N	30/04/2026	LOT 56 DIMENSIONS UPDATED	CM
M	16/04/2026	WATER STRATEGY UPDATED	LR
L	04/03/2026	REISSUED FOR DA APPROVAL	LR
K	12/12/2025	REISSUED FOR DA APPROVAL	LR
J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY



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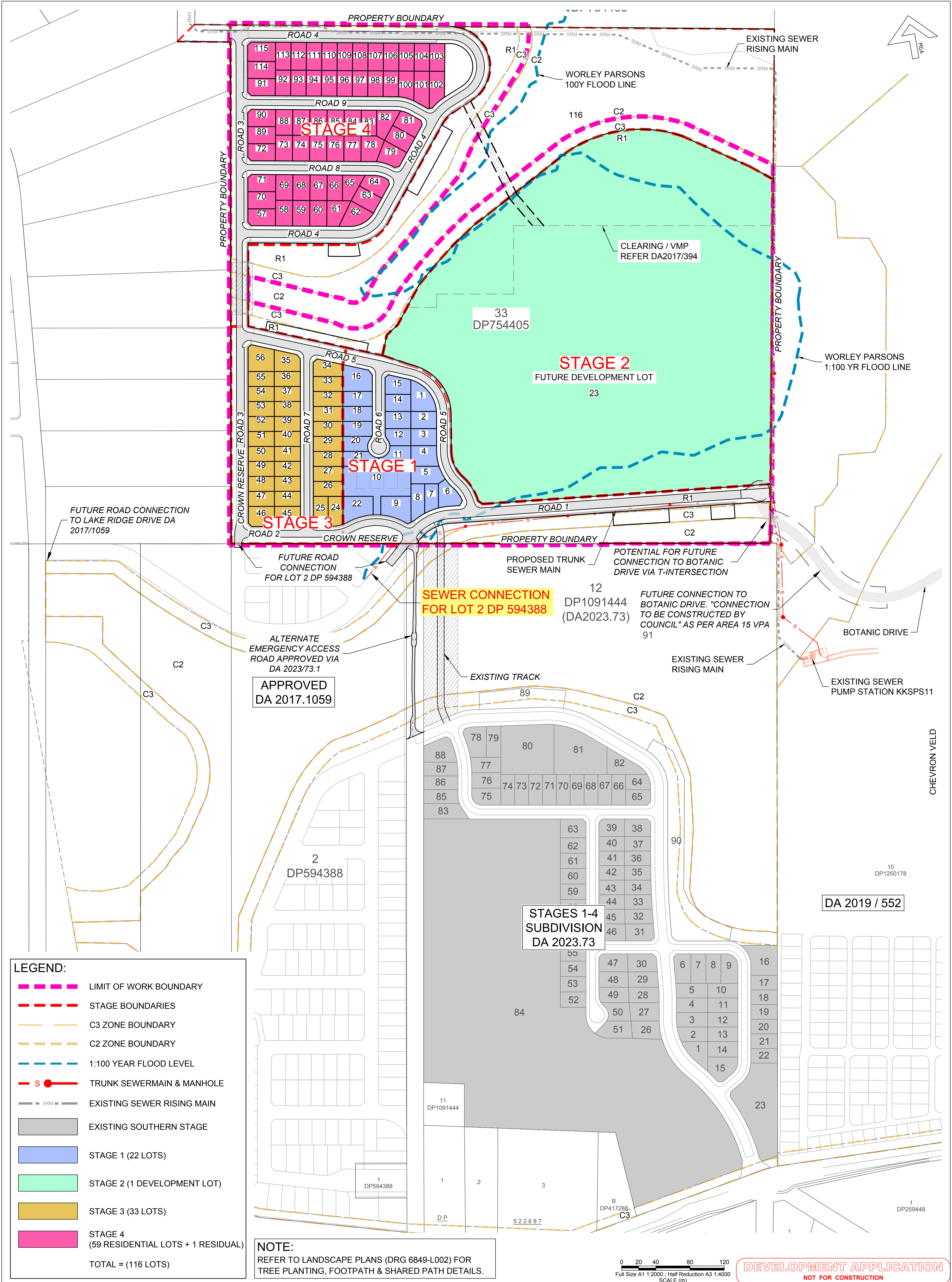
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JOJENI INVESTMENTS
WOODLANDS ESTATE
LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
ZONING PLAN & LOT LAYOUT

DA STAGES 1-4

DRAWING NUMBER/REFERENCE		
6849-029-002		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	
SURVEYOR	HEIGHT	N
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD	
APPROVED	SCALE	A1
MM	AS SHOWN @ A1	



LEGEND:

- LIMIT OF WORK BOUNDARY
- STAGE BOUNDARIES
- C3 ZONE BOUNDARY
- C2 ZONE BOUNDARY
- 1:100 YEAR FLOOD LEVEL
- S --- TRUNK SEWERMAIN & MANHOLE
- SRM --- EXISTING SEWER RISING MAIN
- EXISTING SOUTHERN STAGE
- STAGE 1 (22 LOTS)
- STAGE 2 (1 DEVELOPMENT LOT)
- STAGE 3 (33 LOTS)
- STAGE 4 (59 RESIDENTIAL LOTS + 1 RESIDUAL)
- TOTAL = (116 LOTS)

NOTE:
REFER TO LANDSCAPE PLANS (DRG 6849-L002) FOR TREE PLANTING, FOOTPATH & SHARED PATH DETAILS.

0 20 40 80 120
Full Size A1 1:2000 : Half Reduction A3 1:4000
SCALE (m)

DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

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M	16/04/2026	WATER STRATEGY UPDATED	LR
L	04/03/2026	REISSUED FOR DA APPROVAL	LR
K	12/12/2025	REISSUED FOR DA APPROVAL	LR
J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY

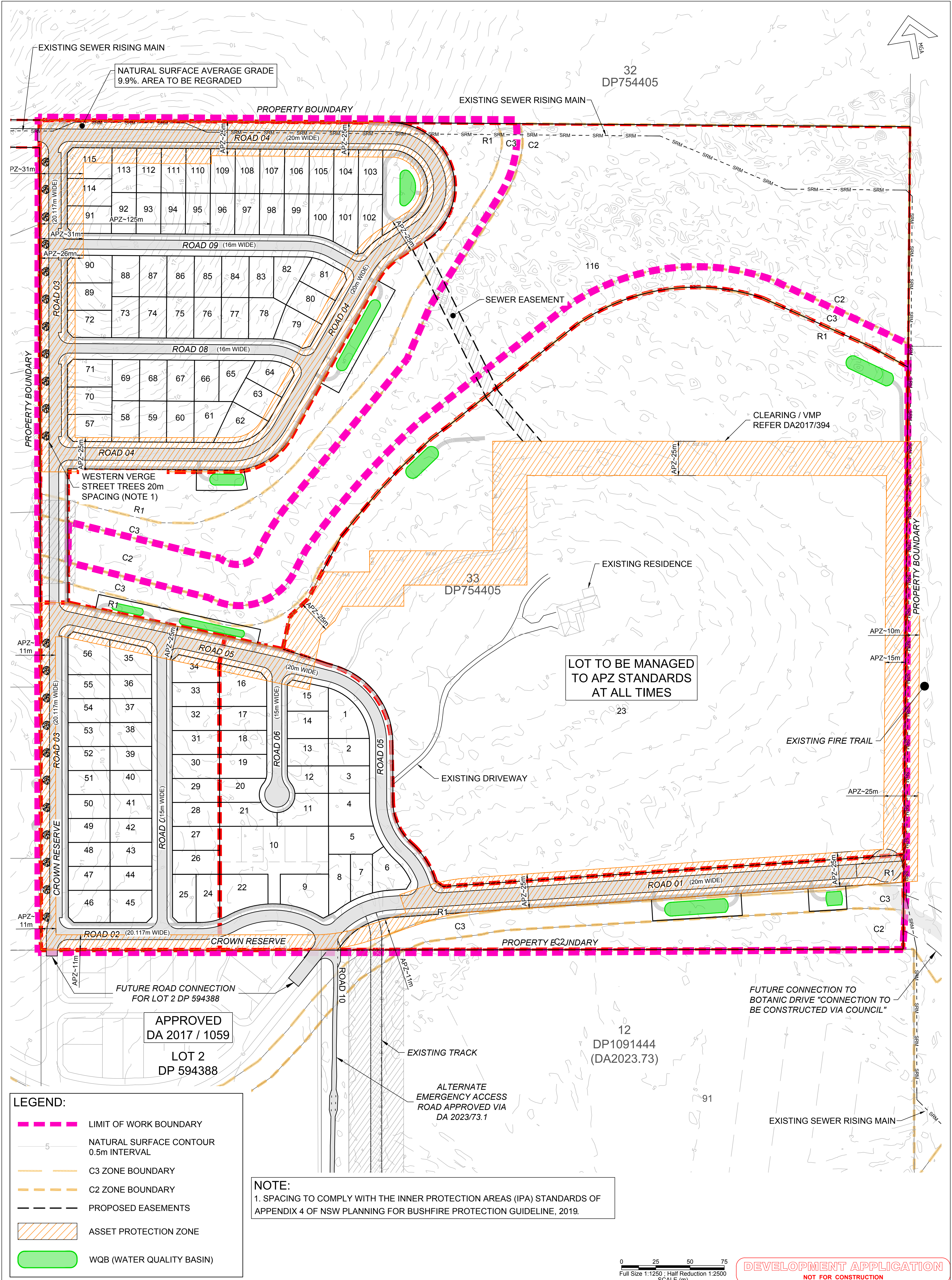
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LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
STAGING LAYOUT & ROADS

DA STAGES 1-4

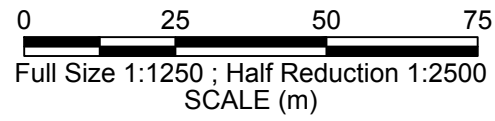
DRAWING NUMBER/REFERENCE 6849-029-003		
DESIGNER KH	ORIGIN OF LEVELS SSM 73593	REV N
SURVEYOR GG	HEIGHT RL 15.781	SHEET SIZE A1
DRAFTING GA	DATUM/GDA AHD	
APPROVED MM	SCALE AS SHOWN @ A1	



LEGEND:

- LIMIT OF WORK BOUNDARY
- NATURAL SURFACE CONTOUR 0.5m INTERVAL
- C3 ZONE BOUNDARY
- C2 ZONE BOUNDARY
- PROPOSED EASEMENTS
- ASSET PROTECTION ZONE
- WQB (WATER QUALITY BASIN)

NOTE:
1. SPACING TO COMPLY WITH THE INNER PROTECTION AREAS (IPA) STANDARDS OF APPENDIX 4 OF NSW PLANNING FOR BUSHFIRE PROTECTION GUIDELINE, 2019.



DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

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G	26/09/2025	REVISED FOR DA APPROVAL	DG
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No.	DATE	REVISIONS	BY

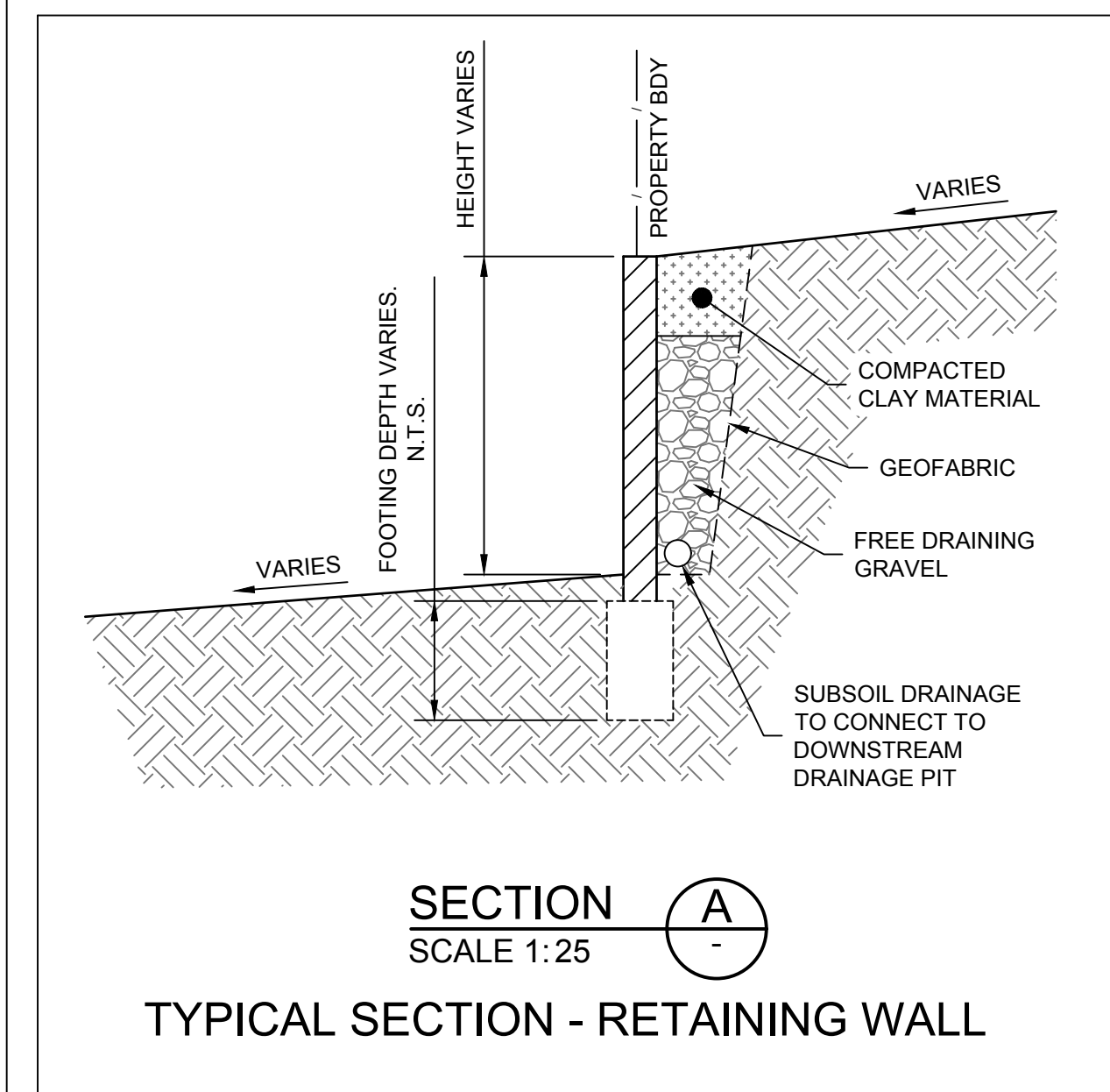
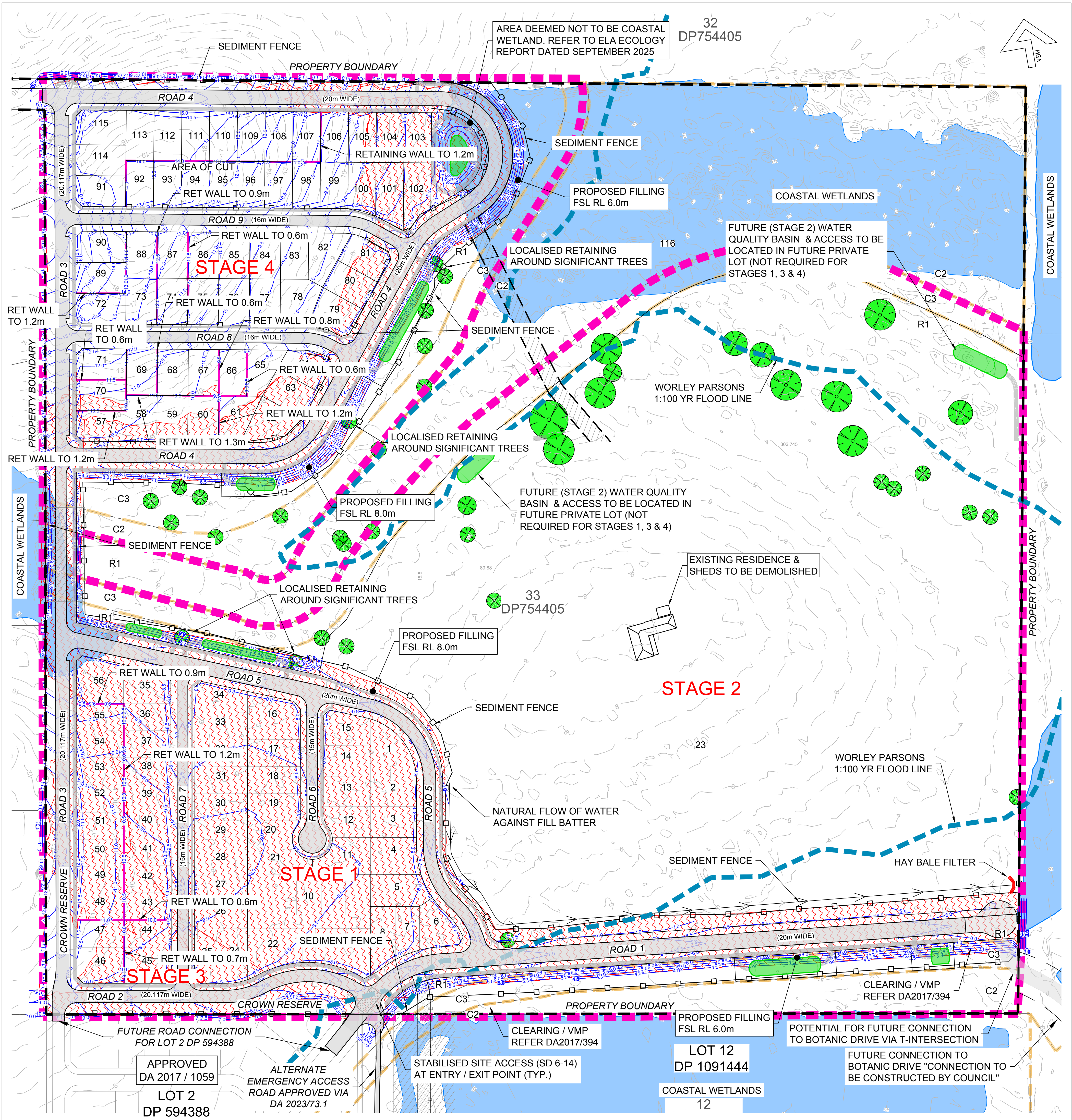
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LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
ASSET PROTECTION ZONES

DA STAGES 1-4

DRAWING NUMBER/REFERENCE 6849-029-006		
DESIGNER KH	ORIGIN OF LEVELS SSM 73593	REV N
SURVEYOR GG	HEIGHT RL 15.781	
DRAFTING GA	DATUM/GDA AHD	SHEET SIZE A1
APPROVED MM	SCALE AS SHOWN @ A1	



NOTES:

- THE SEDIMENT EROSION CONTROL PLAN IS PROVIDED AS A GUIDE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ADDITIONAL CONTROLS TO BE IN ACCORDANCE WITH THE BLUE BOOK.
- ALL EXISTING CONTROL MEASURES FROM EARTHWORKS & CLEARING WORKS ARE TO BE MAINTAINED.

RETAINING WALL NOTES:

- INTERALLOTMENT RETAINING WALL HEIGHT GENERALLY 0m TO 1.3m HIGH. (MAX HEIGHT 1.5m).
- RETAINING WALL LOCATIONS ARE SHOWN INDICATIVE ONLY (EXACT LOCATIONS & HEIGHT SUBJECT TO DETAIL DESIGN).
- CONTOUR INCREMENT 0.5m. CONTOURS SHOWN PRIOR TO DETAILED DESIGN.

LEGEND:

	LIMIT OF WORK BOUNDARY		CLEARING BOUNDARY AS APPROVED UNDER DA 2017/394
	EARTHWORKS SURFACE CONTOUR 0.5m INTERVAL		PRESERVED TREES
	NATURAL SURFACE CONTOUR 0.5m INTERVAL		CUT-OFF DRAIN SWALE
	C3 ZONE BOUNDARY		STRAW BALE FILTER - SD 6-7
	C2 ZONE BOUNDARY		SEDIMENT FENCE - SD 6-8
	PROPOSED EASEMENTS		STABILISED SITE ACCESS (SD 6-14)
	PROPOSED RETAINING WALLS		PROPOSED FILLING AREA
	COASTAL MANAGEMENT SEPP (R&H) 2021 COASTAL WETLANDS		SEDIMENT BASIN

0 25 50 75
Full Size 1:1250 ; Half Reduction 1:2500
SCALE (m)

DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

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DA 2025-97

WOODLANDS NORTH SUBDIVISION
PROPOSED EARTHWORKS,
SEDIMENT & EROSION CONTROL
DA STAGES 1-4

DRAWING NUMBER/REFERENCE		
6849-029-007		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	N
SURVEYOR	HEIGHT	
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD/GDA20	A1
APPROVED	SCALE	
MM	AS SHOWN @ A1	

A SMALL ROAD AREA CATCHMENT THAT CANNOT FEASIBLY BE DRAINED TO THE BASINS DISCHARGES TO THE NORTHERN NATURAL WATER COURSE. TREATMENT MAY BE BY MECHANICAL DEVICE OR ALTERNATELY A BALLANCED APPROACH MAY BE ADOPTED BY OVER TREATING OTHER AREAS

NATURAL SURFACE AVERAGE GRADE
9.9%. AREA TO BE REGRADED

PROPERTY BOUNDARY

32
DP754405

COASTAL WETLANDS

FUTURE (STAGE 2) WATER
QUALITY BASIN & ACCESS TO BE
LOCATED IN FUTURE PRIVATE
LOT (NOT REQUIRED FOR
STAGES 1, 3 & 4)

STAGE 4

WATER QUALITY BASIN &
ACCESS TO BE IN DEDICATED
DRAINAGE RESERVE LOT

FUTURE (STAGE 2) WATER QUALITY
BASIN & ACCESS TO BE LOCATED IN
FUTURE PRIVATE LOT (NOT
REQUIRED FOR STAGES 1, 3 & 4)

RCBC ROAD CULVERT. DETAILED
DESIGN WILL LIMIT AFFLUX TO
HAVE NO ADVERSE EFFECTS TO
UPSTREAM PROPERTIES

WATER QUALITY BASIN &
ACCESS TO BE IN DEDICATED
DRAINAGE RESERVE LOT

STAGE 2

CLEARING / VMP
REFER DA2017/394

WATER QUALITY BASINS & ACCESSES TO BE
IN DEDICATED DRAINAGE RESERVE LOTS.
(THESE BASINS WILL ONLY TREAT PUBLIC &
RESIDENTIAL CATCHMENTS NOT THE
FUTURE DEVELOPMENT LOT 23)

STAGE 1

STAGE 3

EXISTING
CUT-OFF DRAIN
REFER NOTE 1

APPROVED
DA 2017 / 1059

LOT 2
DP 594388

SEWER CONNECTION
FOR LOT 2 DP 594388

EXISTING TRACK

ALTERNATE
EMERGENCY ACCESS
ROAD APPROVED VIA
DA 2023/73.1

12
DP1091444
(DA2023.73)

COASTAL WETLANDS

FUTURE CONNECTION
TO BOTANIC DRIVE
"CONNECTION TO BE
CONSTRUCTED BY COUNCIL"

POTENTIAL FOR FUTURE CONNECTION
TO BOTANIC DRIVE VIA T-INTERSECTION

LEGEND:

- LIMIT OF WORK BOUNDARY
- NATURAL SURFACE CONTOUR
0.5m INTERVAL
- DESIGN SURFACE CONTOUR
0.5m INTERVAL
- PROPOSED STORMWATER DRAINAGE
- PROPOSED STORMWATER PITS
- C3 ZONE BOUNDARY
- C2 ZONE BOUNDARY
- PROPOSED EASEMENTS
- COASTAL MANAGEMENT SEPP
(R&H) 2021 COASTAL WETLANDS
- CLEARING BOUNDARY AS
APPROVED UNDER DA 2017/394
- WATER QUALITY BASINS (WQB)
- PRESERVED TREES

NOTE:

- WESTERN UPSTREAM CATCHMENTS WILL BE MANAGED BY EXISTING CUT-OFF DRAINS ON THESE PROPERTIES. THESE CONVEY WATER TO BOTH NORTH & SOUTH, NATURALLY FLOWING TO THE LOW LYING COASTAL WETLANDS, IN BOTH DIRECTIONS.

0 25 50 75
Full Size 1:1250 : Half Reduction 1:2500
SCALE (m)

DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

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J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY

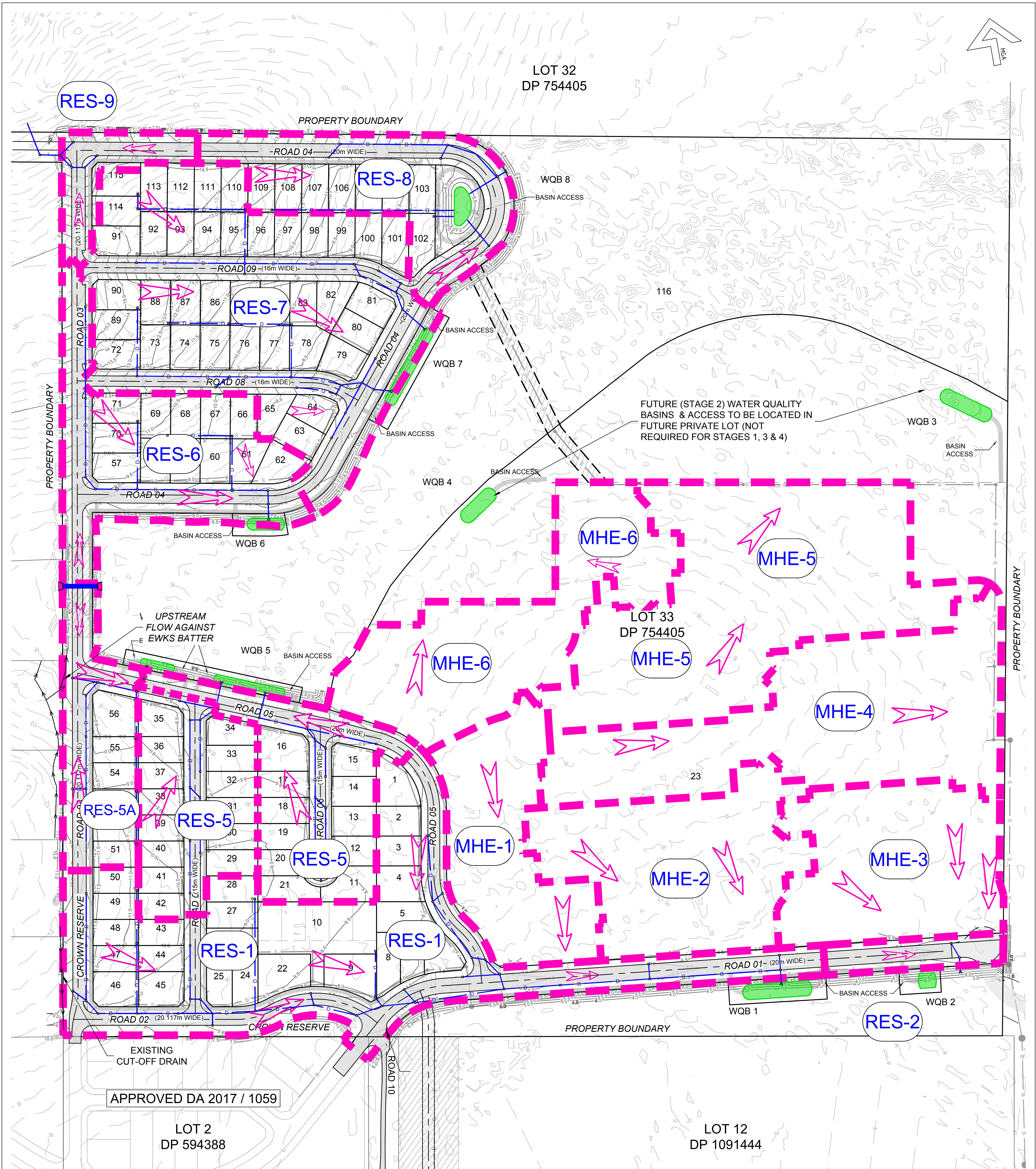
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LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
ROAD AND DRAINAGE LAYOUT

DA STAGES 1-4

DRAWING NUMBER/REFERENCE 6849-029-008		
DESIGNER KH	ORIGIN OF LEVELS SSM 73593	REV N
SURVEYOR GG	HEIGHT RL 15.781	
DRAFTING GA	DATUM/GDA AHD/GDA20	SHEET SIZE A1
APPROVED MM	SCALE AS SHOWN @ A1	



LEGEND:			
	5	NATURAL SURFACE CONTOUR	0.5m INTERVAL
	5	DESIGN SURFACE CONTOUR	0.5m INTERVAL
		PROPOSED STORMWATER DRAINAGE	
		PROPOSED STORMWATER PITS	
		STORMWATER FLOW DIRECTION	
		STORMWATER CATCHMENTS	
		WQB (WATER QUALITY BASIN)	
		EXISTING CUT-OFF DRAIN	

0 25 50 75
Full Size 1:1250 : Half Reduction 1:2500
SCALE (m)

DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

No.	DATE	REVISIONS	BY
N	30/04/2026	LOT 56 DIMENSIONS UPDATED	CM
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L	04/03/2026	REISSUED FOR DA APPROVAL	LR
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J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY

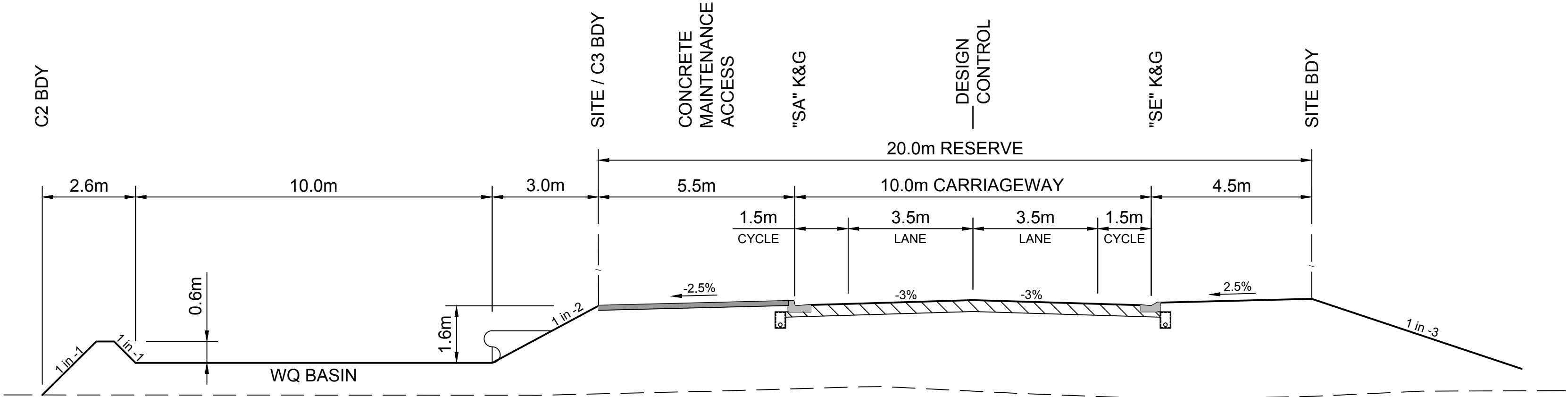
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DA 2025-97

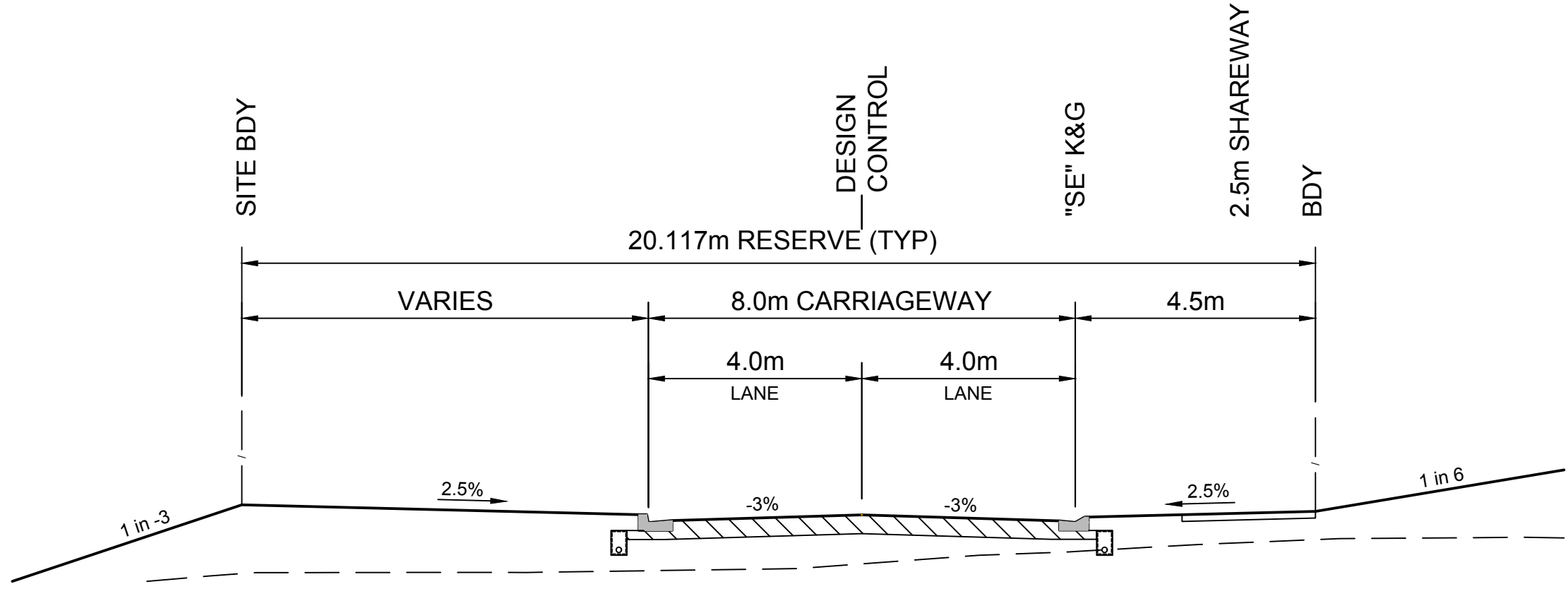
WOODLANDS NORTH SUBDIVISION
STORMWATER CATCHMENT PLAN

DA STAGES 1-4

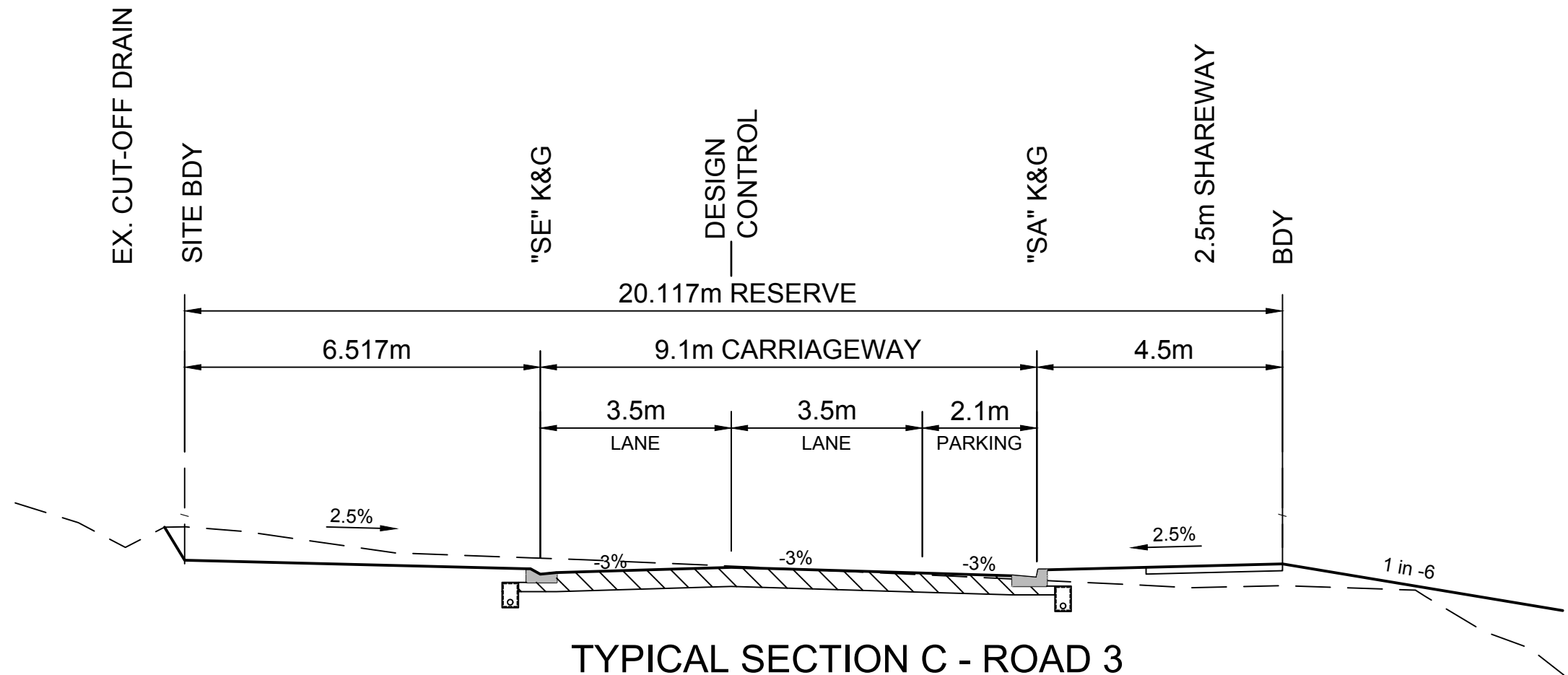
DRAWING NUMBER/REFERENCE		
6849-029-009		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	N
SURVEYOR	HEIGHT	
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD/GDA20	A1
APPROVED	SCALE	
MM	AS SHOWN @ A1	



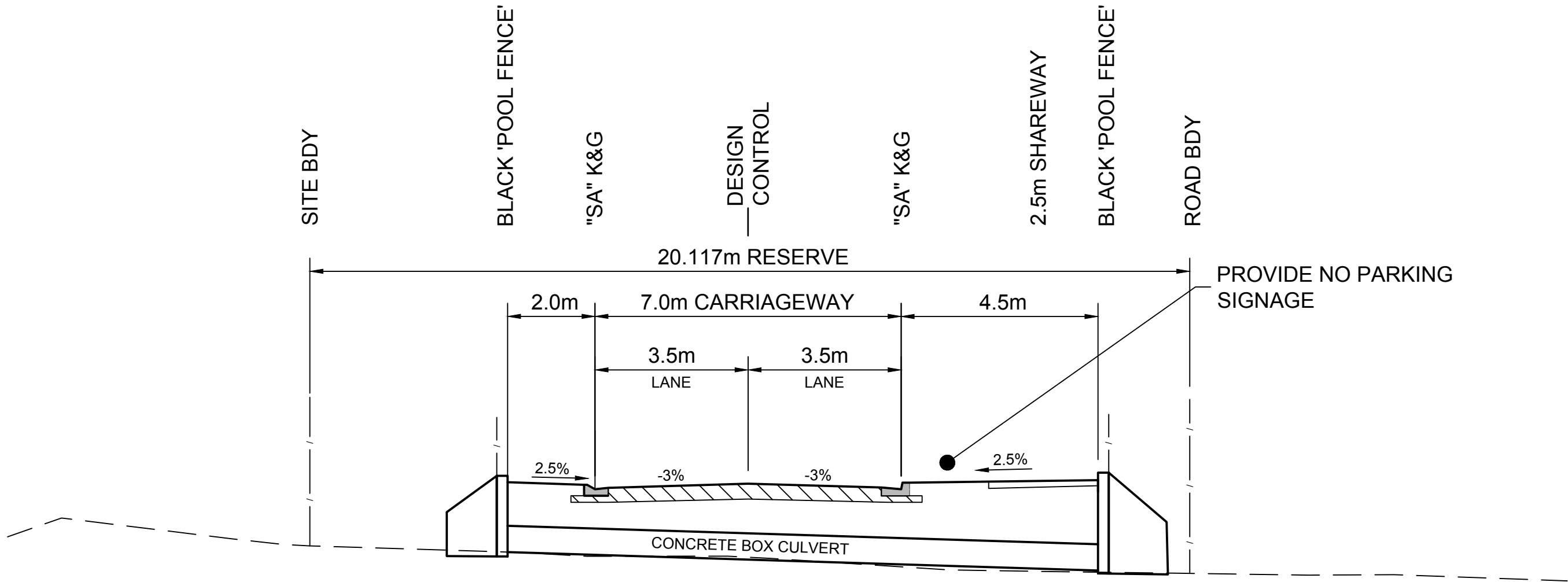
TYPICAL SECTION A - ROAD 1
COLLECTOR ROAD (20m WIDE)
SCALE 1:100



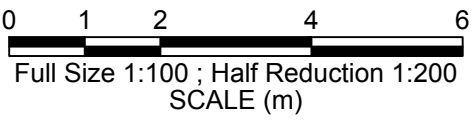
TYPICAL SECTION B - ROAD 2
PERIMETER ROAD (VARIABLE 20.117m WIDE)
SCALE 1:100



TYPICAL SECTION C - ROAD 3
PERIMETER ROAD (20.117m WIDE)
SCALE 1:100



TYPICAL SECTION D - ROAD 3
PERIMETER ROAD (20.117m WIDE)
SCALE 1:100



DEVELOPMENT APPLICATION
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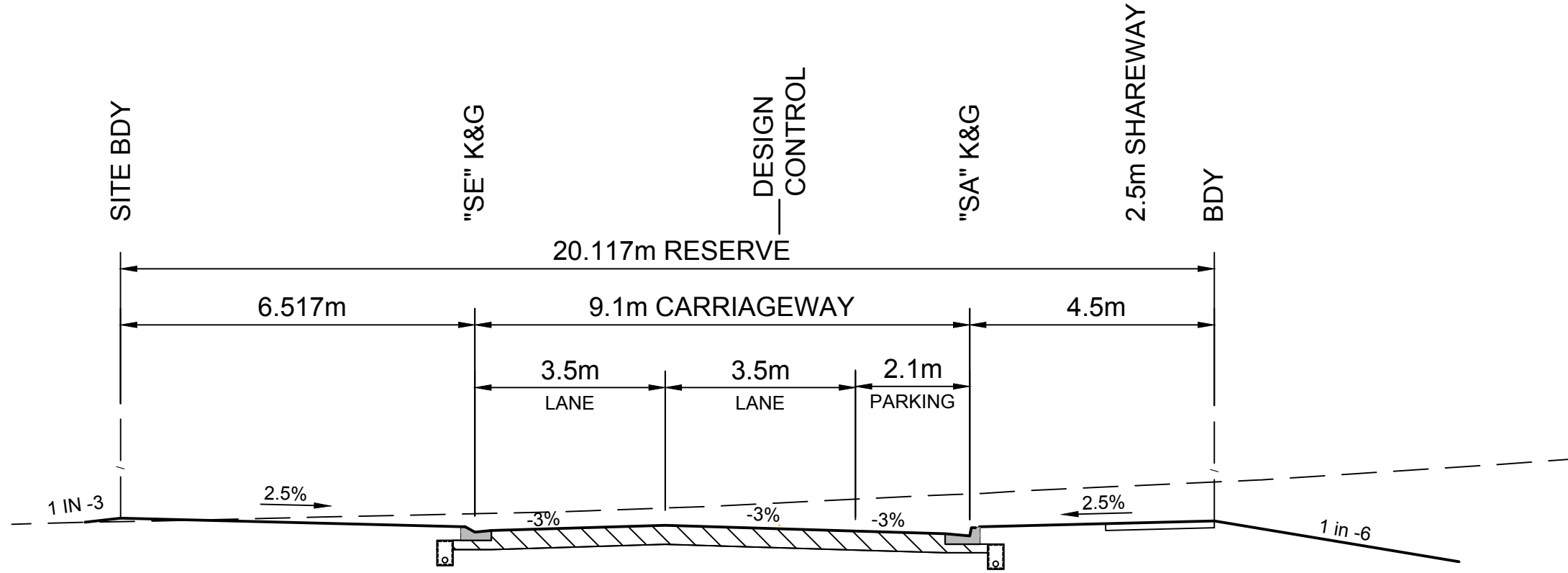
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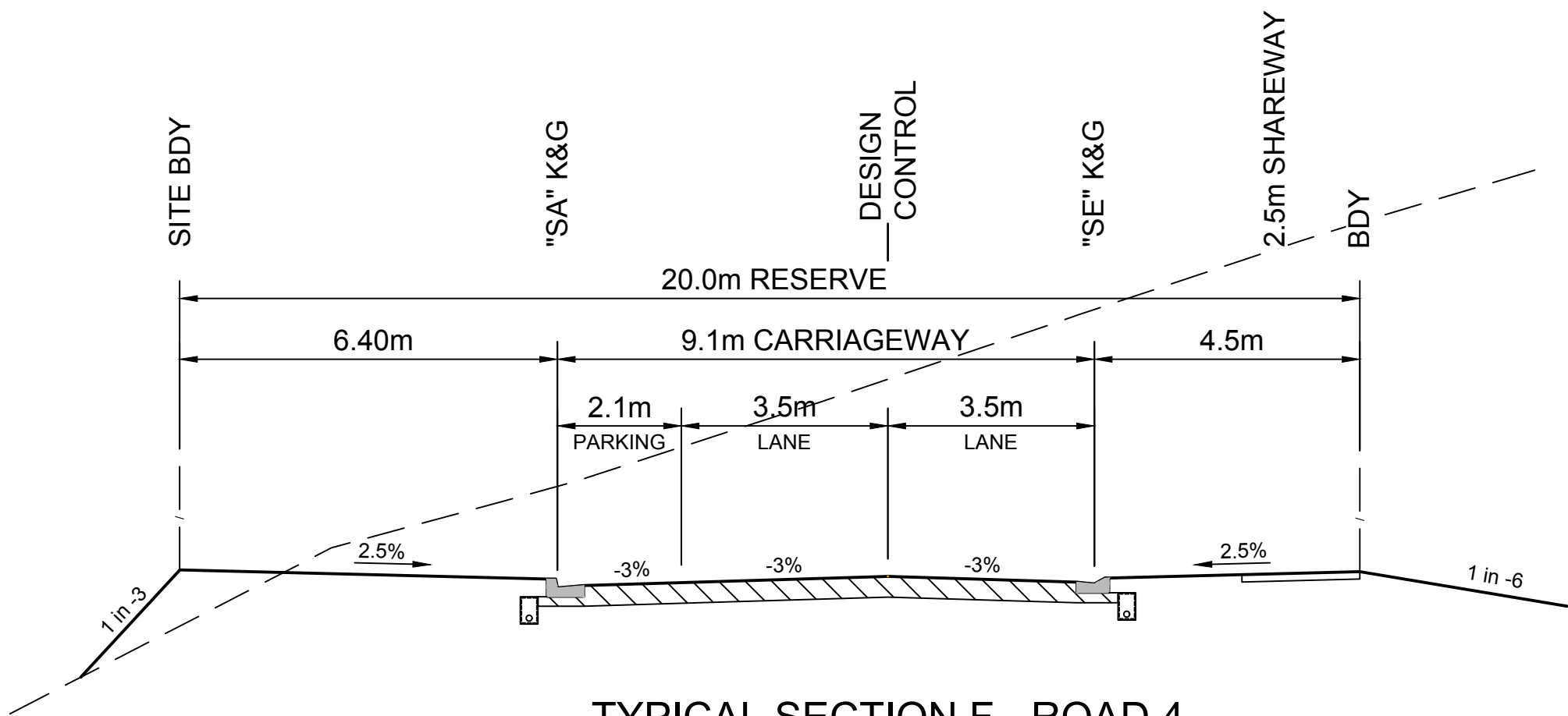
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LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
TYPICAL ROAD SECTIONS
SECTIONS A, B, C, & D
DA STAGES 1-4

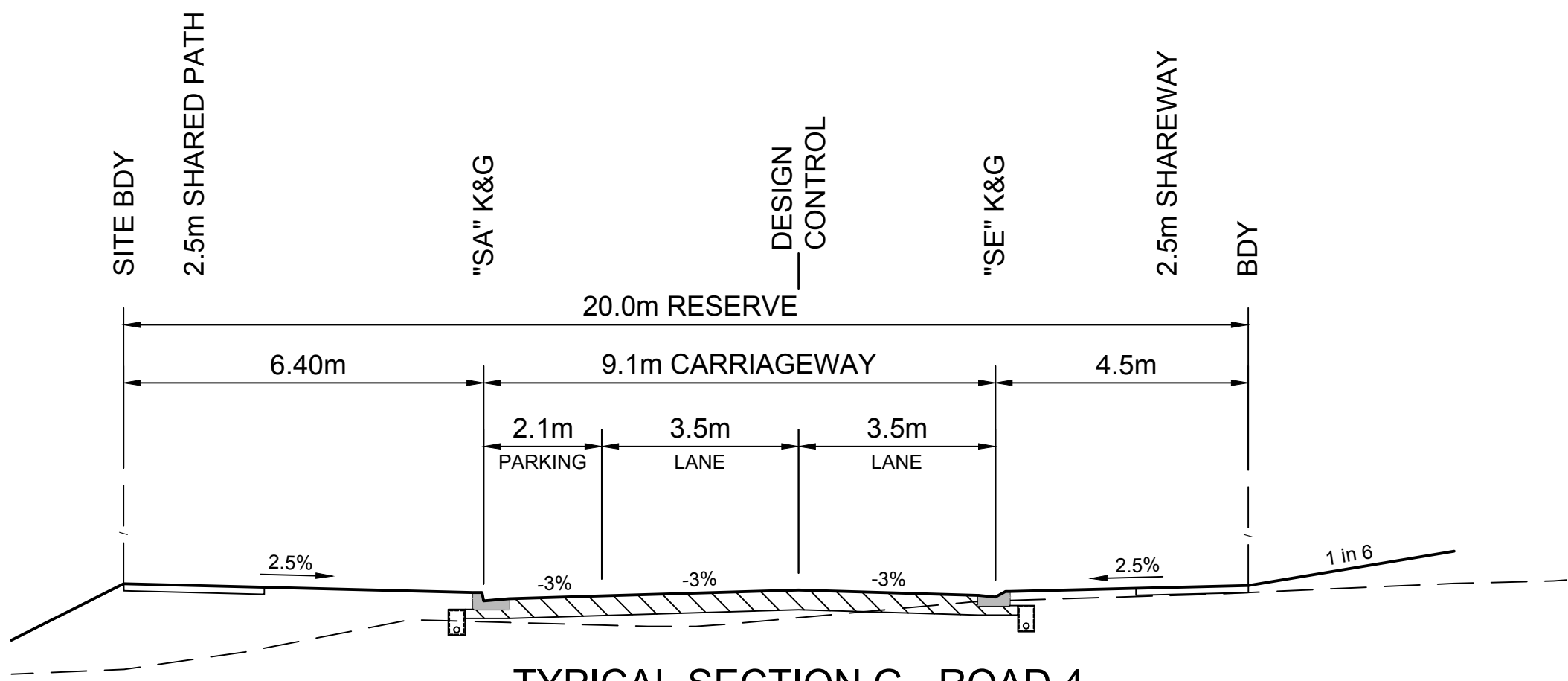
DRAWING NUMBER/REFERENCE		
6849-029-010		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	
SURVEYOR	HEIGHT	N
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD	
APPROVED	SCALE	A1
MM	AS SHOWN @ A1	



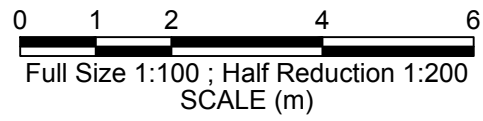
TYPICAL SECTION E - ROAD 3
PERIMETER ROAD (20.117m WIDE)
SCALE 1:100



TYPICAL SECTION F - ROAD 4
PERIMETER ROAD (20m WIDE)
SCALE 1:100



TYPICAL SECTION G - ROAD 4
PERIMETER ROAD (20m WIDE)
SCALE 1:100



DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

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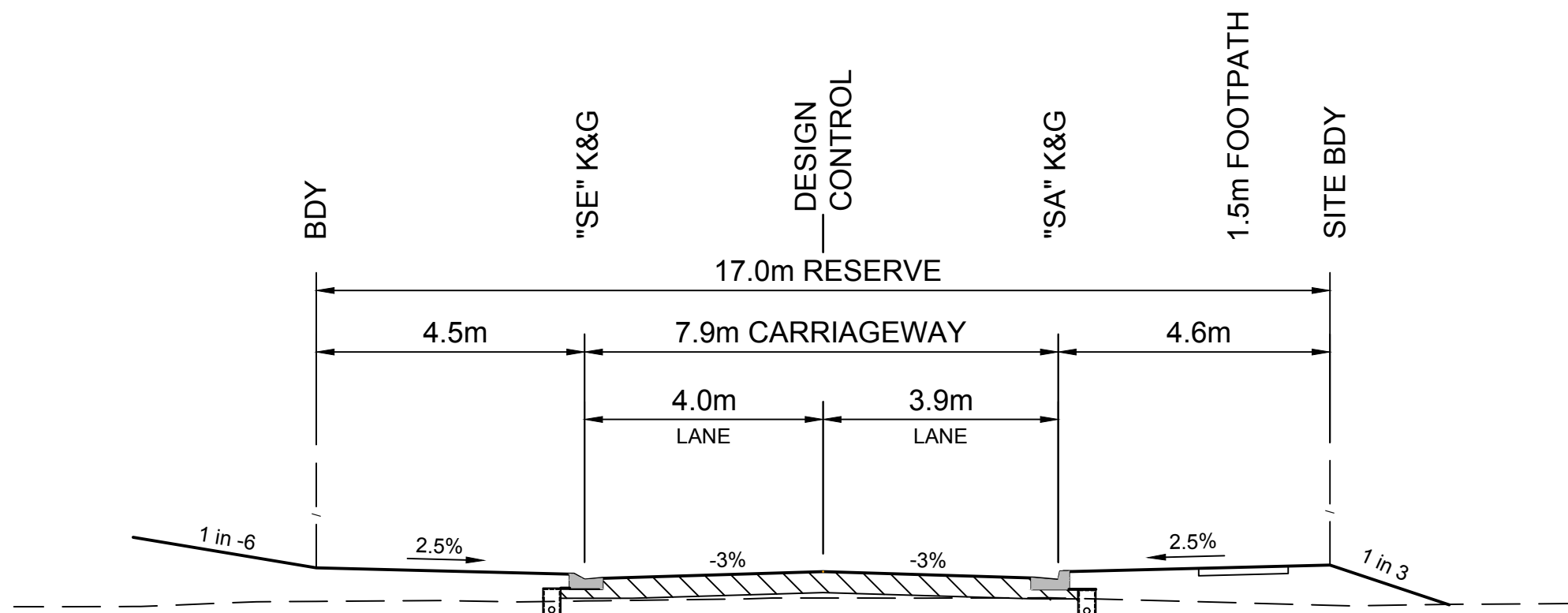
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WOODLANDS ESTATE**

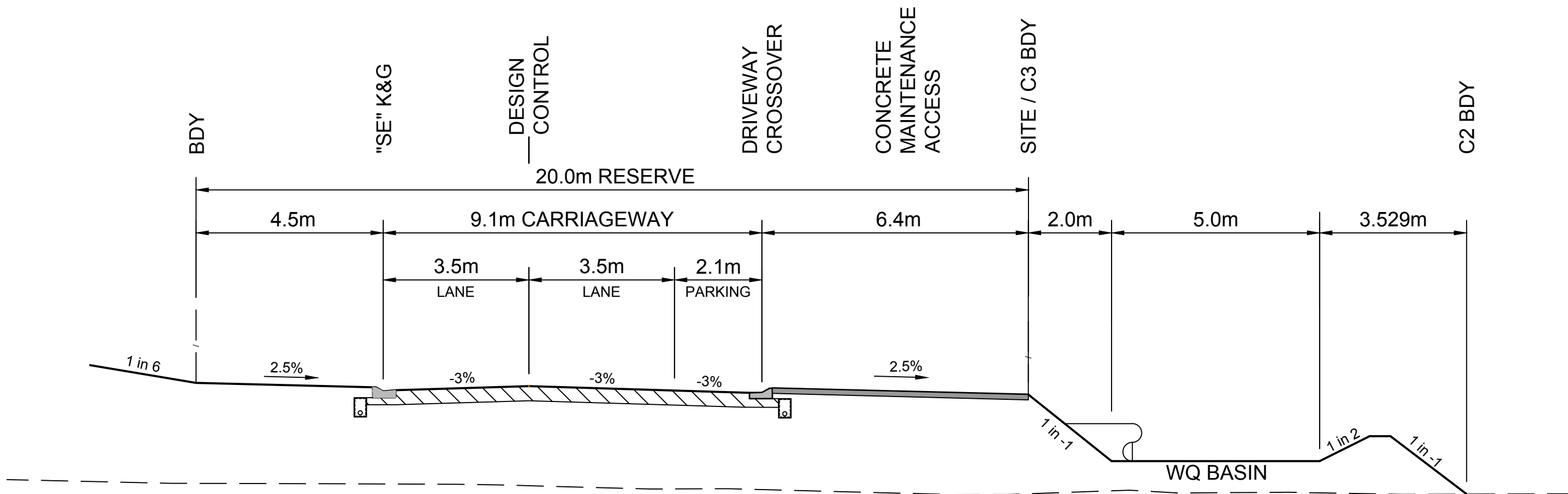
LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
TYPICAL ROAD SECTIONS
SECTIONS E, F, G & H
DA STAGES 1-4

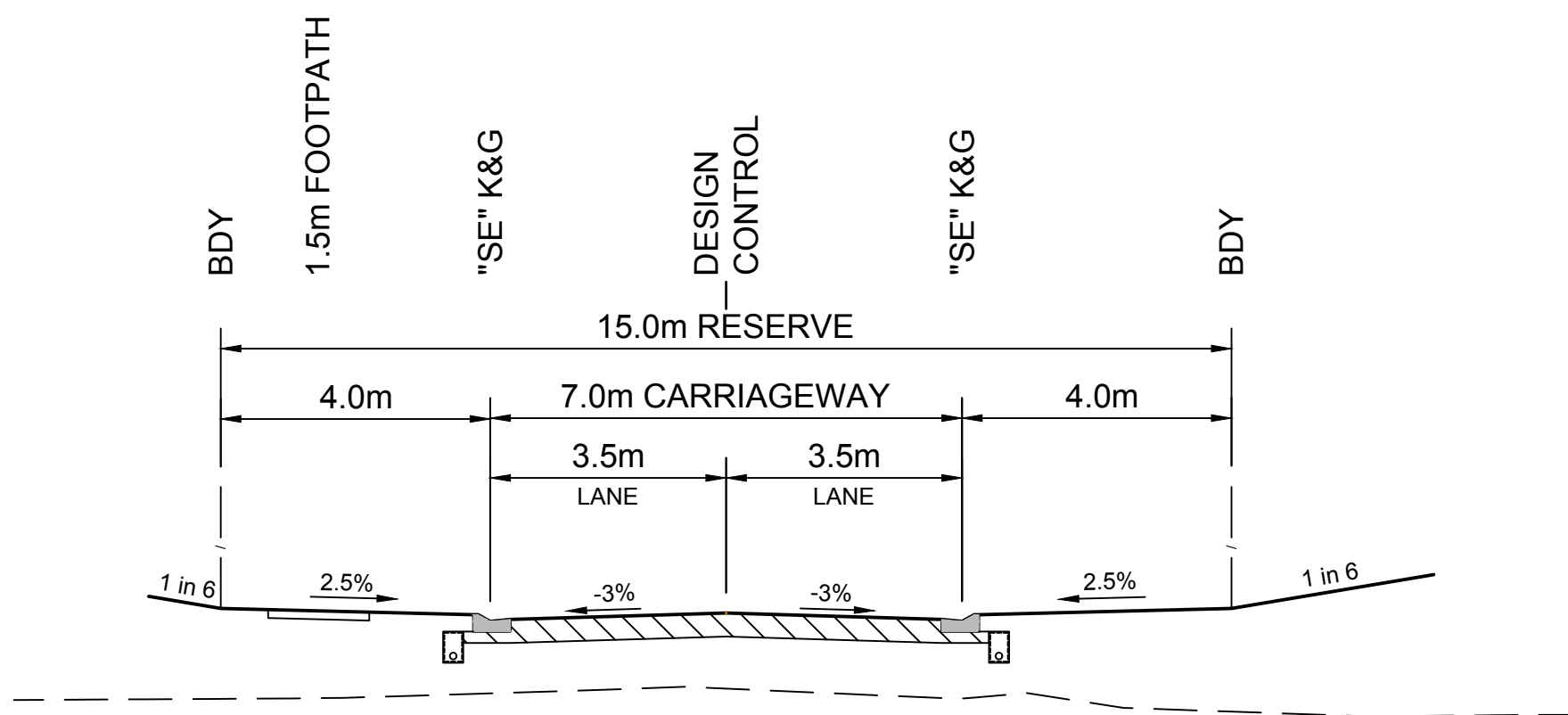
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6849-029-011		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	
SURVEYOR	HEIGHT	N
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD	
APPROVED	SCALE	A1
MM	AS SHOWN @ A1	



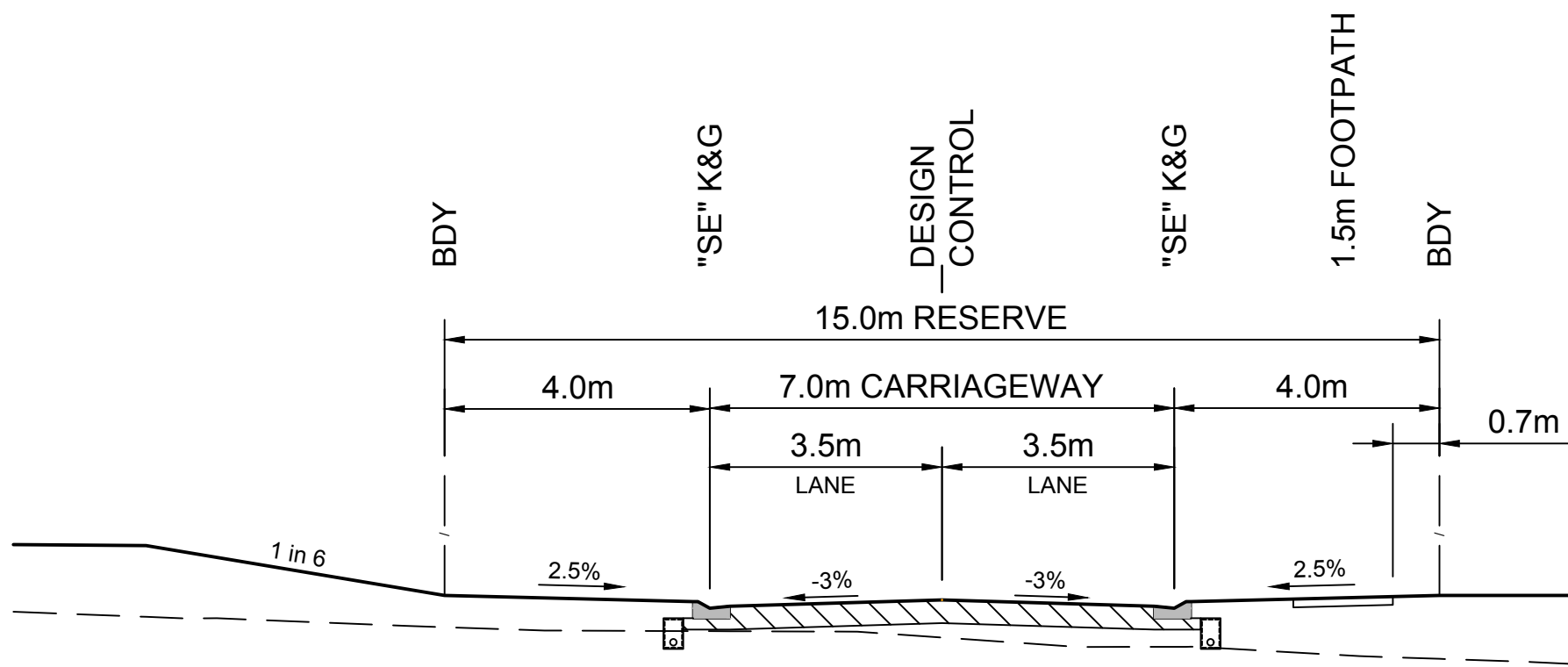
TYPICAL SECTION H - ROAD 6
PERIMETER ROAD (20m WIDE)
SCALE 1:100



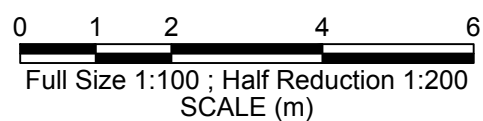
TYPICAL SECTION J - ROAD 6
PERIMETER ROAD (20m WIDE)
SCALE 1:100



TYPICAL SECTION K - ROAD 7
INTERNAL ROAD (15m WIDE)
SCALE 1:100



TYPICAL SECTION L - ROAD 8
INTERNAL ROAD (15m WIDE)
SCALE 1:100



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J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY



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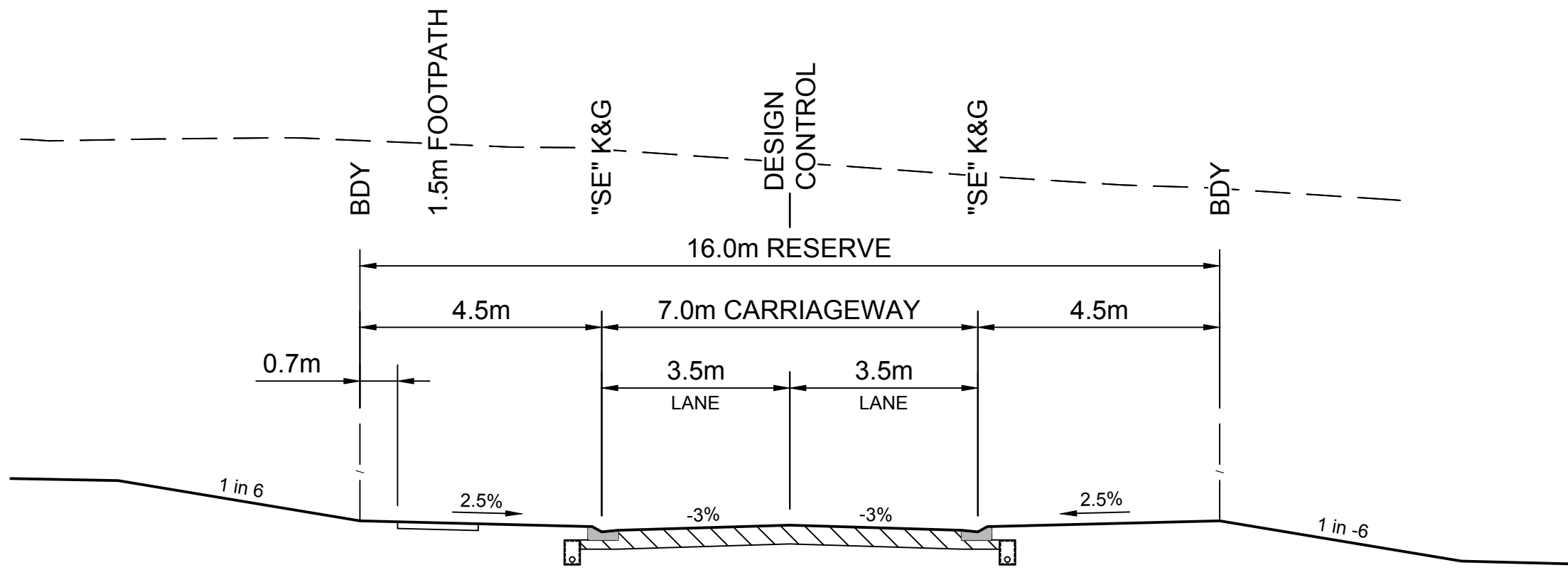
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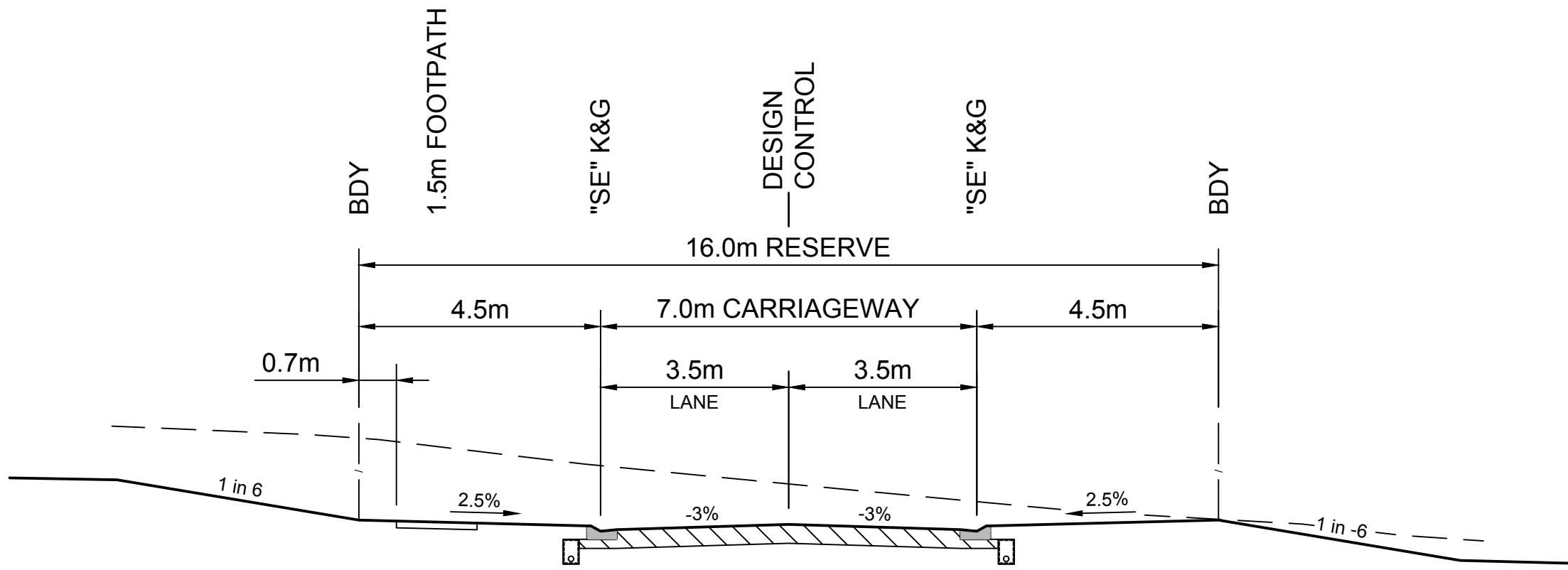
**JOJENI INVESTMENTS
WOODLANDS ESTATE**
LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

**WOODLANDS NORTH SUBDIVISION
TYPICAL ROAD SECTIONS
SECTIONS J, K, L & M
DA STAGES 1-4**

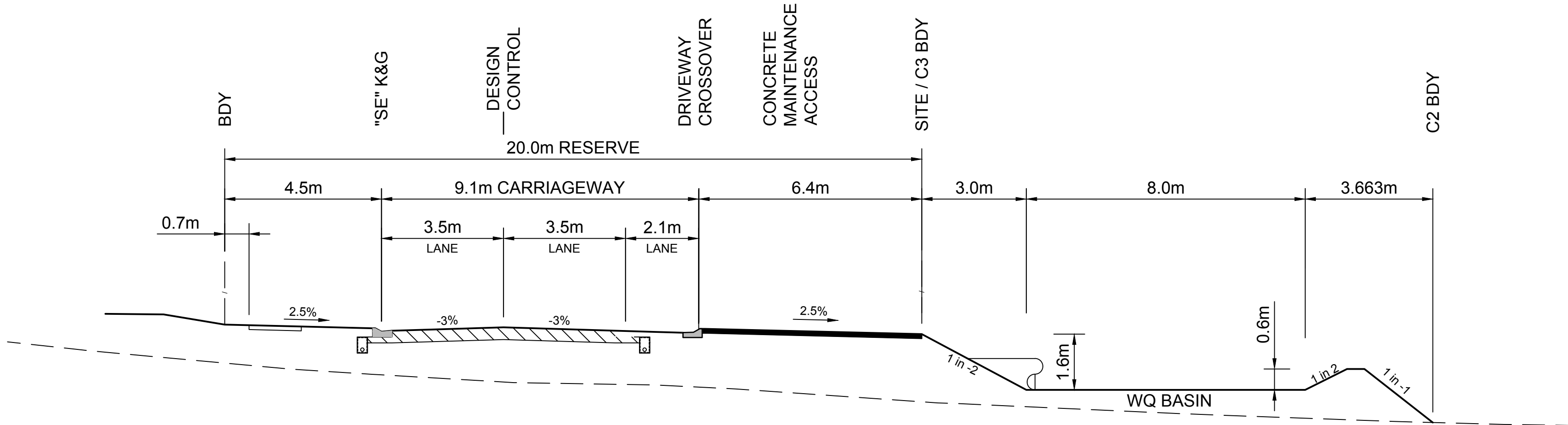
DRAWING NUMBER/REFERENCE 6849-029-012		
DESIGNER KH	ORIGIN OF LEVELS SSM 73593	REV N
SURVEYOR GG	HEIGHT RL 15.781	
DRAFTING GA	DATUM/GDA AHD	SHEET SIZE A1
APPROVED MM	SCALE AS SHOWN @ A1	



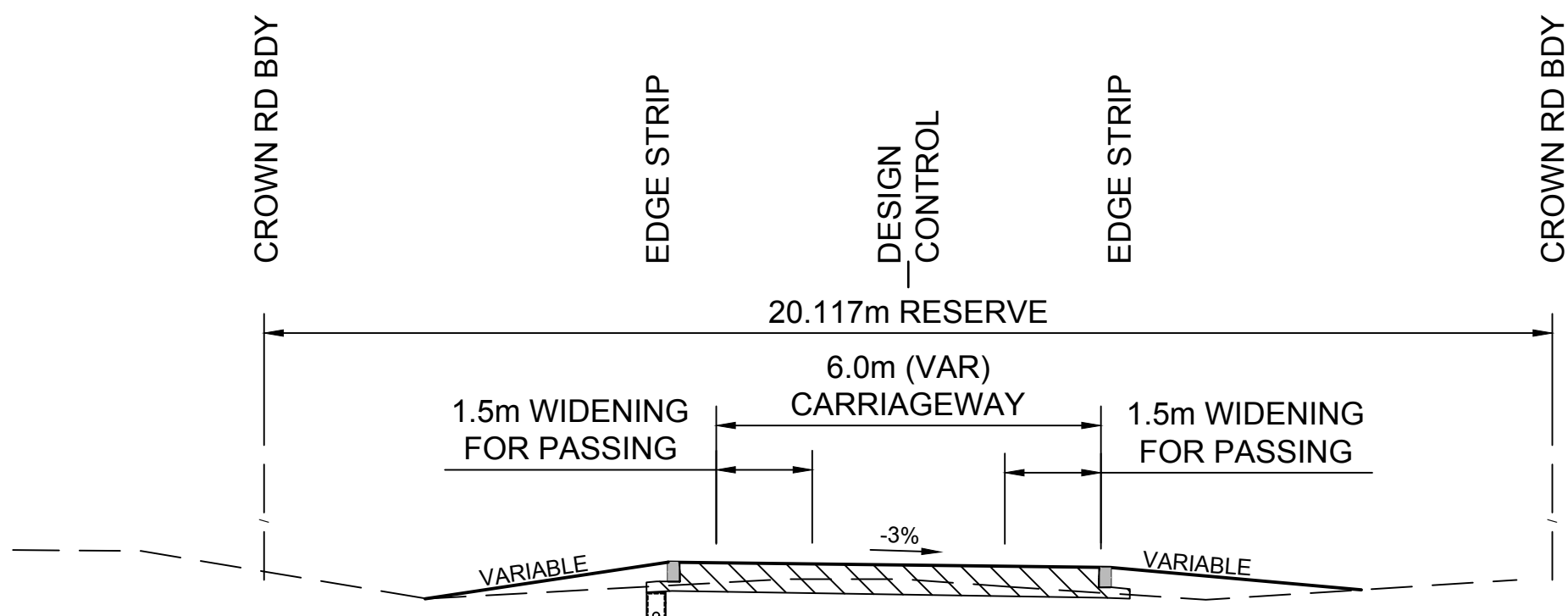
TYPICAL SECTION M - ROAD 9
INTERNAL ROAD (16m WIDE)
SCALE 1:100



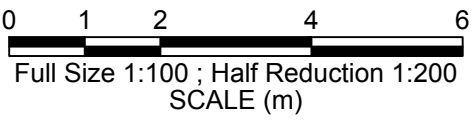
TYPICAL SECTION N - ROAD 10
INTERNAL ROAD (16m WIDE)
SCALE 1:100



TYPICAL SECTION P - ROAD 10
INTERNAL ROAD (20m WIDE)
SCALE 1:100



TYPICAL SECTION R - ROAD 10
EMERGENCY EXIT ROAD (20.117m WIDE)
SCALE 1:100



DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

N	30/04/2026	LOT 56 DIMENSIONS UPDATED	CM
M	16/04/2026	WATER STRATEGY UPDATED	LR
L	04/03/2026	REISSUED FOR DA APPROVAL	LR
K	12/12/2025	REISSUED FOR DA APPROVAL	LR
J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY



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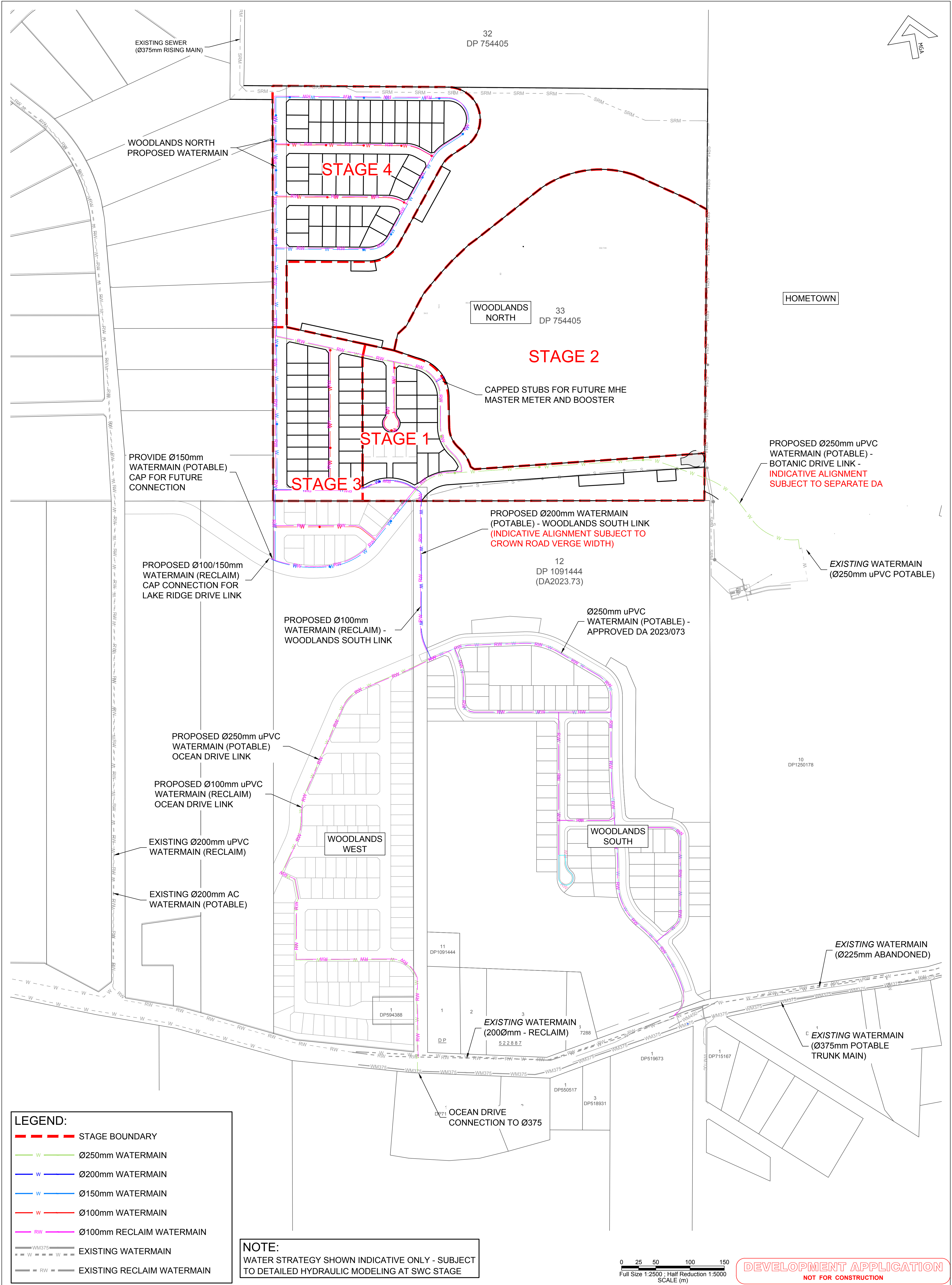
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LOT 33 DP 754405 - OCEAN DR, KEW
DA 2025-97

WOODLANDS NORTH SUBDIVISION
TYPICAL ROAD SECTIONS
SECTIONS N & P
DA STAGES 1-4

DRAWING NUMBER/REFERENCE		
6849-029-013		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	
SURVEYOR	HEIGHT	N
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD	
APPROVED	SCALE	A1
MM	AS SHOWN @ A1	



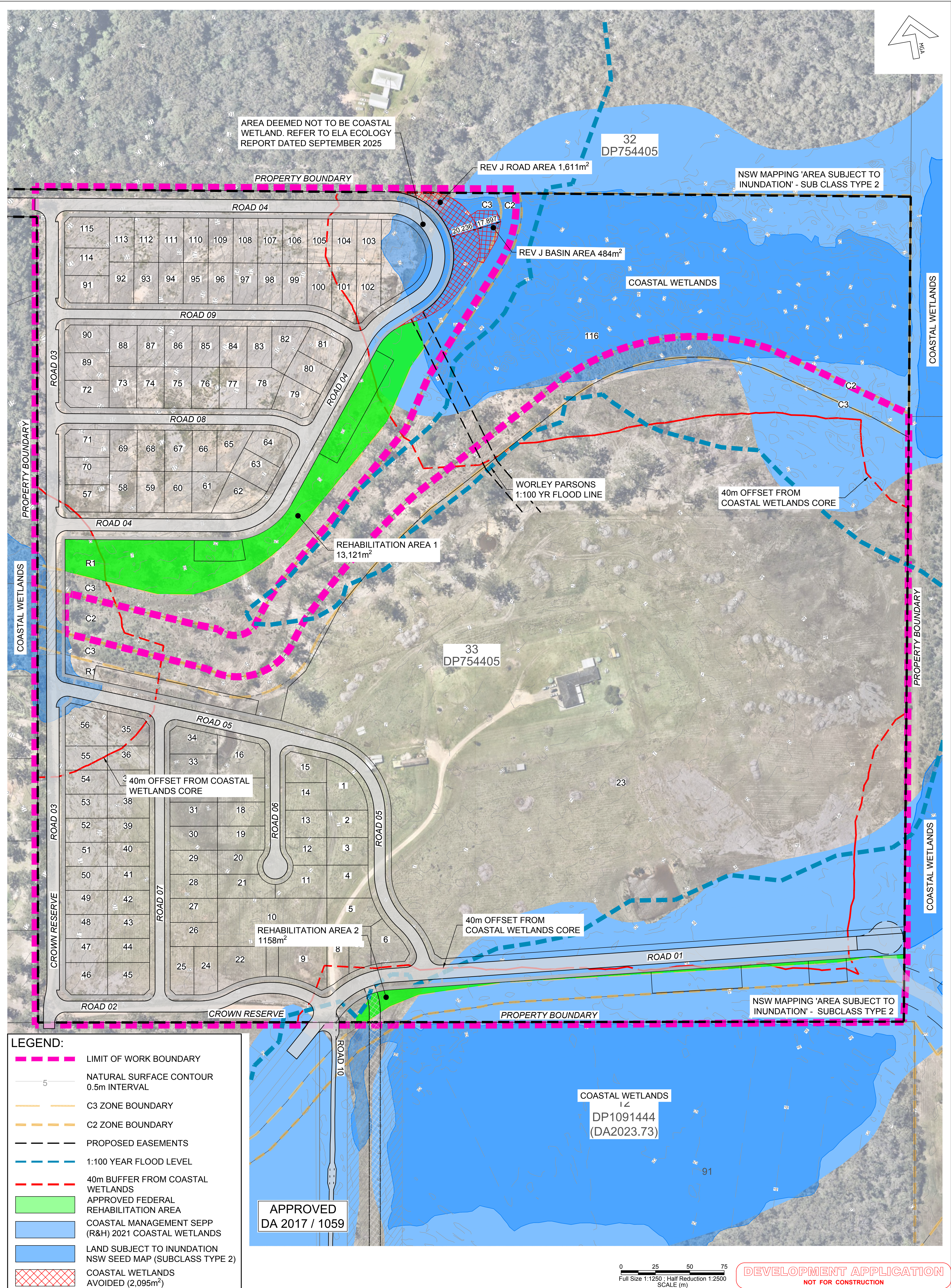
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M	16/04/2026	WATER STRATEGY UPDATED	LR
L	04/03/2026	REISSUED FOR DA APPROVAL	LR
K	12/12/2025	REISSUED FOR DA APPROVAL	LR
J	17/11/2025	REISSUED FOR DA APPROVAL	LR
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G	26/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
No.	DATE	REVISIONS	BY

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WOODLANDS NORTH SUBDIVISION
WATER SERVICE STRATEGY
DA STAGES 1-4

DRAWING NUMBER/REFERENCE 6849-029-015		
DESIGNER KH	ORIGIN OF LEVELS SSM 73593	REV N
SURVEYOR GG	HEIGHT RL 15.781	SHEET SIZE A1
DRAFTING GA	DATUM/GDA AHD/GDA20	
APPROVED MM	SCALE AS SHOWN @ A1	



N	30/04/2026	LOT 56 DIMENSIONS UPDATED	CM
M	16/04/2026	WATER STRATEGY UPDATED	LR
L	04/03/2026	REISSUED FOR DA APPROVAL	LR
K	12/12/2025	REISSUED FOR DA APPROVAL	LR
J	17/11/2025	REISSUED FOR DA APPROVAL	LR
H	24/10/2025	REISSUED FOR DA APPROVAL	WS
G	28/09/2025	REVISED FOR DA APPROVAL	DG
F	30/04/2025	INSERT NEW SHEET 11 - WATER SERVICE STRATEGY	WS
N	DATE	REVISIONS	BY



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DA 2025-97

WOODLANDS NORTH SUBDIVISION
COASTAL WETLANDS MAPPING
DA STAGES 1-4

DRAWING NUMBER/REFERENCE		
6849-029-016		
DESIGNER	ORIGIN OF LEVELS	REV
KH	SSM 73593	N
SURVEYOR	HEIGHT	
GG	RL 15.781	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD/GDA20	A1
APPROVED	SCALE	
MM	AS SHOWN @ A1	

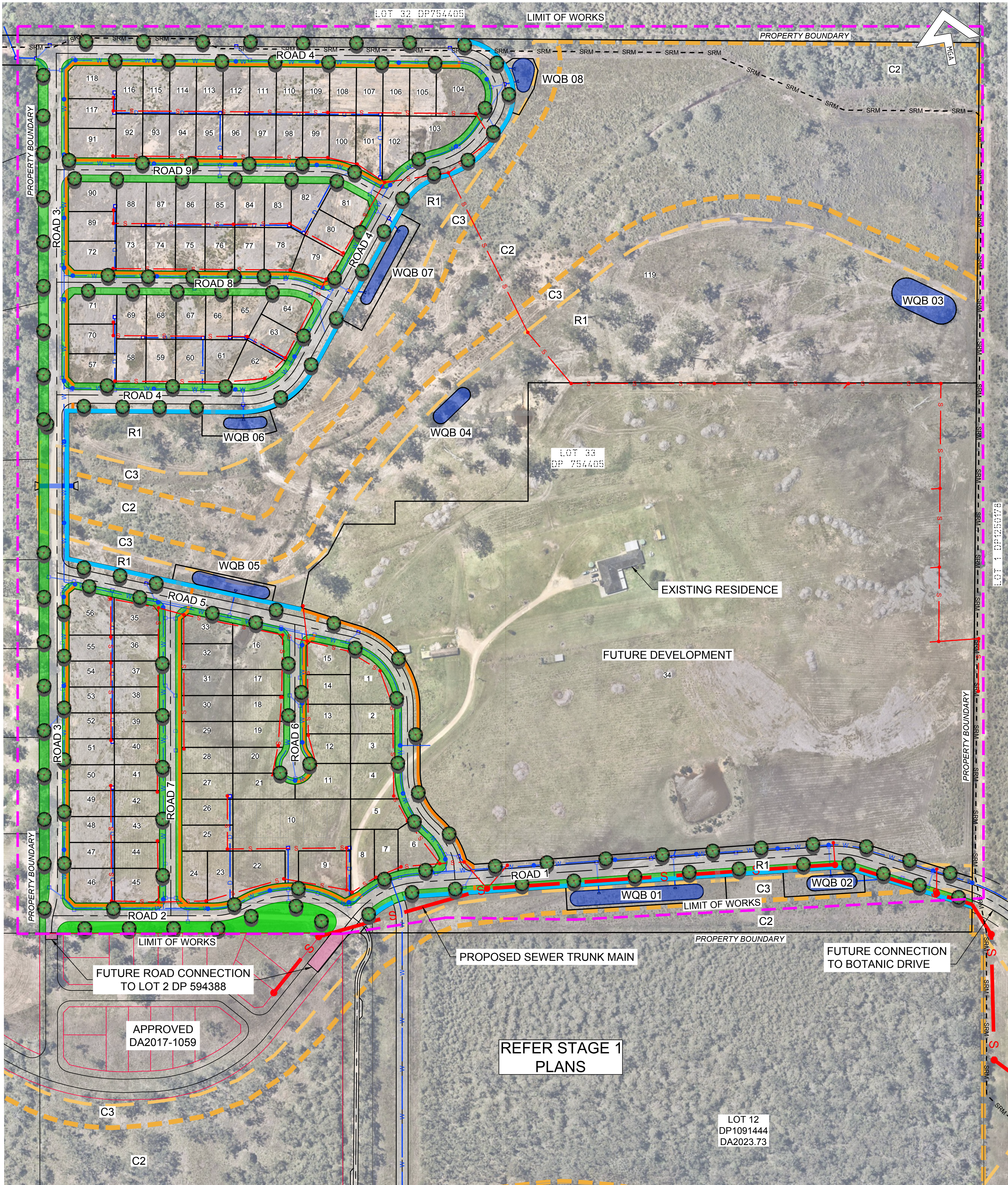
LANDSCAPE PRINCIPLES PLAN

STAGES 1-4



WOODLANDS NORTH ESTATE

KEW



LEGEND

- 

PUBLIC STREET TREES
- 

1.5m WIDE CONCRETE PATHS
- 

2.5m WIDE CONCRETE SHAREWAY
- 

ROAD VERGE TREATMENTS
- 

PROPOSED WATERMAIN
- 

PROPOSED STORMWATER DRAINAGE
- 

PROPOSED SEWER & MANHOLE
- 

C3 ZONE BOUNDARY
- 

C2 ZONE BOUNDARY

INDICATIVE PLANT LIST

- PUBLIC STREET TREES**
- Cupaniopsis anacardioides* (Tuckeroo)
 - Elaeocarpus reticulatus* (Blueberry Ash)
 - Tristanopsis laurina* (Water Gum)

REFER EXTANT ENVIRONMENTAL APPROVALS FOR PROPOSED WORKS IN C3 AND C2 ZONES

0 10 20 30 40 50 60 70 80 90 100
Full Size 1:1500 : Half Reduction 1:3000
SCALE (m)

DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

No.	DATE	REVISIONS	BY
D	24/10/2025	FOOTPATH ALIGNMENTS REVISED	WS
C	29/09/2025	AMENDED LAYOUT	GA
B	18/02/2025	DA APPROVAL	GA
A	05/09/2023	ISSUED FOR COMMENT	ST



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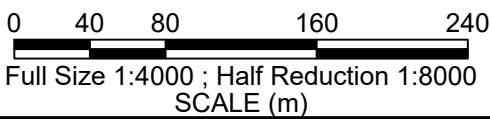
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OCEAN DR, KEW
LOT 33 DP 754405

WOODLANDS NORTH SUBDIVISION
LANDSCAPE, STREET-TREES AND
FOOTPATH PRINCIPLES PLAN
STAGES 1-4

DRAWING NUMBER/REFERENCE		REV.
6849-L002-001		D
DESIGNER	ORIGIN OF LEVELS	DATE
ST	-	05.09.2023
SURVEYOR	HEIGHT	SHEET SIZE
GG	-	A1
DRAFTING	DATUM	SHEET NO.
ST	AHD	1
APPROVED	SCALE	TOTAL
MM	AS SHOWN @ A1	1



DRAWING LIST		
DRAWING #	DESCRIPTION	REV
6589-2-073-01	PROPOSED SITE LOCALITY AND ACCESS PLAN	A
6589-2-073-02	GENERAL NOTES	A
6589-2-073-03	ZONE INFORMATION, WETLANDS OFFSETS & EXTENT OF WORKS PLAN	A
6589-2-073-04	STOCKPILE & BASIN DETAIL PLAN & EROSION AND SEDIMENT CONTROL PLAN	A
6589-2-073-05	SEDIMENT BASIN & OUTLET DETAILS & STOCKPILE BATTER SECTIONS	A



DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

Liability limited by a scheme approved under Professional Standards Legislation

A	15/08/2025	ISSUED FOR DA APPLICATION	GA
No.	DATE	REVISIONS	BY

JOJENI INVESTMENTS PTY LTD
WOODLANDS ESTATE (NORTH)
OCEAN DRIVE, LAKEWOOD



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WOODLANDS NTH EARTHWORKS STOCKPILE DA

PROPOSED SITE LOCALITY AND ACCESS PLAN

LOT 33 DP 754405

DRAWING NUMBER/REFERENCE

6849-073-01

DESIGNER	ORIGIN OF LEVELS	REV.
DG	SSM16721	A
SURVEYOR	HEIGHT	
GG	RL 20.923	
DRAFTING	DATUM/GDA	SHEET SIZE
GA	AHD/2020	A1
APPROVED	SCALE	
DG	AS SHOWN	

GENERAL

- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED RELATING TO DEVELOPMENT OF THE SUBJECT SITE.
- DO NOT OBTAIN DIMENSIONS BY SCALING THE DRAWINGS.
- IN CASE OF DOUBT OR DISCREPANCY REFER TO SUPERINTENDENT FOR CLARIFICATION OR CONFIRMATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
- MAKE SMOOTH TRANSITION TO EXISTING FEATURES AND MAKE GOOD WHERE JOINED.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH ALL APPROVED DRAWINGS AND SPECIFICATIONS PREPARED BY OTHER PROJECT CONSULTANTS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN IN THE FIELD THE LOCATION AND LEVEL OF ALL EXISTING SERVICES (TELSTRA, UNDERGROUND POWER, SEWER, WATER, ETC.) AND ANY OTHER FEATURE OR STRUCTURE LIKELY TO BE AFFECTED BY THE WORKS AND TO TAKE APPROPRIATE MEASURES TO ENSURE NO DAMAGE THERETO. ANY DAMAGE SHALL BE MADE GOOD AT NO COST TO THE PROPRIETOR.
- LOCATION OF ALL DRAINAGE LINES WITHIN EASEMENTS TO BE FIXED AND VERIFIED BY SUPERINTENDENT PRIOR TO CONSTRUCTION.
- SUBSOIL DRAINAGE IS GENERALLY REQUIRED WHERE DEPTH TO ROAD SUBGRADE FROM NATURAL SURFACE IS 400mm OR MORE. INSTALL A 3m LENGTH OF SUBSOIL DRAIN ON THE UPSTREAM SIDE OF ALL DRAINAGE PITS WITH AN UPSTREAM PIPE.
- SURFACE CUT-OFF DRAINS, AND OTHER MEASURES AS REQUIRED, TO BE CONSTRUCTED FOR EROSION AND SILTATION CONTROL PRIOR TO COMMENCEMENT OF EARTHWORKS, SUCH MEASURES TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION PERIOD.
- STREET LIGHTING TO COMPLY WITH SPECIFICATION OF PUBLIC LIGHTING CODE (AS1158).
- PROVIDE 900mm OF TURF BEHIND KERB AND GUTTER.
- ALL WORKS IN ACCORDANCE WITH AUS-SPEC No.1 PORT MACQUARIE HASTINGS COUNCIL VERSION 2003 EDITION.
- ALL WORKS WITHIN ROAD RESERVE TO BE CARRIED OUT BY A COUNCIL REGISTERED CONTRACTOR
- TRAFFIC CONTROL TO AS1742.3
- CONTRACTOR TO TAKE APPROPRIATE DUST SUPPRESSION MEASURES AS NECESSARY TO PREVENT DISTURBANCE TO ADJOINING RESIDENCES.
- ALL FILLING WORKS SHALL BE CONTROLLED FILL AS DEFINED IN AS2870 AND AS3780
- TRAFFIC MANAGEMENT PLAN BY CONTRACTOR IN ACCORDANCE WITH AS1742.3

EXISTING SERVICES

- ALL UTILITY SERVICES INDICATED ON THE DRAWINGS ORIGINATE FROM SUPPLIED DATA, THEREFORE THEIR ACCURACY AND COMPLETENESS IS NOT GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
- CARE TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATION, GAS OR ELECTRICAL SERVICES. HAND EXCAVATION ONLY IN THESE AREAS.
- THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING SERVICES THAT ARE TO BE RETAINED IN THE VICINITY OF THE PROPOSED WORKS. ANY AND ALL DAMAGE TO THESE SERVICES AS A RESULT OF THESE WORKS SHALL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE SUPERINTENDENT, AND AT NO EXTRA COST.
- THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR ADJUSTMENT (IF REQUIRED) OF EXISTING SERVICES IN AREAS AFFECTED BY WORKS.
- THE CONTRACTOR SHALL ALLOW IN THE PROGRAM FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF EXISTING SERVICES IN AREA AFFECTED BY WORKS UNLESS DIRECTED OTHERWISE ON THE DRAWINGS OR BY THE SUPERINTENDENT.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN APPROVAL OF THE PROGRAM FOR THE RELOCATION AND/OR CONSTRUCTION OF TEMPORARY SERVICES AND FOR ANY ASSOCIATED INTERRUPTION OF SUPPLY.
- THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.

ACCESS AND SAFETY

- THE CONTRACTOR SHALL COMPLY WITH ALL STATUTORY AND INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.
- THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO ALL BUILDINGS ADJACENT THE WORKS IS NOT DISRUPTED.
 - WHERE NECESSARY THE CONTRACTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE SITE.

ACID SULPHATE SOIL TESTING

- IMPORTED FILL IS TO BE TESTED FOR POTENTIAL ACID SULPHATE AND ALL TESTING IS TO BE CARRIED OUT BY NATA LAB.
- WHERE POTENTIAL ASS IS DETECTED NEUTRALISATION IS REQUIRED USING LIME MIXED THOROUGHLY WITH THE IMPORTED FILL IN ACCORDANCE WITH AUS-SPEC 2003.
- TEST AGENCY TO CONFIRM QUANTITY OF LIME IN kg/cubic m
- ALL LEACHATE TO BE CONTROLLED AND PREVENTED FROM ENTERING NATURAL WATERWAYS

EROSION AND SEDIMENT CONTROL NOTES

- EROSION AND SEDIMENT CONTROL TO BE IN ACCORDANCE WITH BLUE BOOK
- NO DISTURBED AREA IS TO REMAIN DENUDED LONGER THAN 60 DAYS.
- ALL EROSION AND SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
- ALL STORMWATER AND SEWER LINES NOT IN STREETS ARE TO BE MULCHED AND SEEDED WITHIN 15 DAYS AFTER BACKFILL. ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES ARE TO BE COMPACTED, SEEDED AND MULCHED WITHIN 15 DAYS AFTER BACKFILL.
- ALL TEMPORARY EARTH BANKS, DIVERSIONS AND SEDIMENT DAM EMBANKMENTS ARE TO BE MACHINE-COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER WITHIN 10 DAYS AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED.
- ALL FILLS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS OPERATION.
- ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND MULCHED WITHIN 10 DAYS OF COMPLETION OF GRADING.
- ALL DISTURBED AREAS TO BE STABILISED AND/OR REVEGETATED WITHIN 14 DAYS OF EARTHWORKS COMPLETION, USING TURF OR THE FOLLOWING SEED AND FERTILISER MIXTURE:

	SPRING/SUMMER	AUTUMN/WINTER
JAPANESE MILLET	15kg/ha	5kg/ha
RYECORN/OATS	5kg/ha	15kg/ha
COUCH GRASS	10kg/ha	8kg/ha
PERENNIAL RYEGRASS	5kg/ha	10kg/ha
STARTER FERTILISER (SOWING)	300kg/ha	300kg/ha
MAINTENANCE FERTILISER (FOLLOWING SPRING/AUTUMN)	100kg/ha	100kg/ha

SITE REGRADING GENERALLY

- SITE REGRADING AREAS AS PER SPECIFICATION.
- TOPSOIL TO BE STRIPPED, STOCKPILED AND TO BE USED ON SITE AS DIRECTED. NO TOPSOIL TO BE REMOVED FROM SITE.
- CUT AND FILL SITE. COMPACTING FILL TO ACHIEVE A RELATIVE DENSITY OF AT LEAST 98% OF STANDARD COMPACTION. (A.S. 1289 TEST E1.1)
- ENSURE EROSION CONTROL AND FILTER FENCES MAINTAINED AT ALL TIMES.
- SUBSOIL DRAINAGE REQUIREMENTS ARE TO BE VERIFIED WITH THE GEOTECHNICAL ENGINEER PRIOR TO FILLING WORK COMMENCING.
- ON COMPLETION OF ALL FILLING, THE CONTRACTOR IS TO ARRANGE AT HIS COST A GEOTECHNICAL REPORT BY A QUALIFIED ENGINEER.
- ALL FILLING SHALL BE CARRIED OUT AS CONTROLLED FILL AS DEFINED IN AS2870 AND AS3780

SITE REGRADING TO BUILDING PADS

- TOPSOIL TO BE STRIPPED, STOCKPILED AND TO BE USED ON SITE AS DIRECTED. NO TOPSOIL TO BE REMOVED FROM SITE.
- BUILDING EARTHWORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS3798
- ALL FILLING SHALL BE CARRIED OUT AS "CONTROLLED FILL" AS DEFINED IN AS2870. MATERIAL THAT HAS BEEN PLACED AND COMPACTED IN LAYERS BY COMPACTION EQUIPMENT WITHIN A DEFINED MOISTURE RANGE TO A DEFINED DENSITY REQUIREMENT IN ACCORDANCE WITH AUS-SPEC (98% COMPACTION UNLESS SPECIFIED OTHERWISE - AS1289 TEST E1.1).
- RAFT SLABS, AS FOR CLASS M SITE CAN PROVIDE A SUITABLE FOUNDATION SO LONG AS THE FOLLOWING SITE PREPARATION IS UNDERTAKEN:-
 - a) STRIP TOPSOIL (150mm) FROM CUT AND FILL AREAS.
 - b) STRIP A FURTHER 400mm THICKNESS FROM AREAS TO BE FILLED. STOCKPILE FOR REUSE AS FILL.
 - c) BENCH FILL AREA TO ALLOW FILL TO BE PLACED IN RELATIVELY HORIZONTAL LAYERS (OF NO MORE THAN 200mm LOOSE THICKNESS.)
 - d) CUT AND FILL SITE. COMPACTING FILL TO ACHIEVE A RELATIVE DENSITY OF AT LEAST 98% OF STANDARD COMPACTION (A.S. 1289 TEST E1.1)
 - e) WHERE CUT DEPTH IS LESS THAN 900mm, OVER EXCAVATE TO REMOVE MATERIAL DOWN TO 200mm BELOW DESIGN SURFACE AND REPLACE IN COMPACTED LAYERS TO ACHIEVE THE ABOVE COMPACTION.
- IN ALL BUILDING WORKS ADEQUATE DRAINAGE SHALL BE PROVIDED AROUND THE UPHILL SIDES OF THE BUILDING.
- SUBSOIL DRAINAGE REQUIREMENTS ARE TO BE VERIFIED WITH THE GEOTECHNICAL ENGINEER PRIOR TO FILLING WORK COMMENCING
- ON COMPLETION OF ALL FILLING, THE CONTRACTOR IS TO ARRANGE AT HIS COST A GEOTECHNICAL REPORT BY A QUALIFIED ENGINEER.
- ENSURE EROSION CONTROL AND FILTER FENCES MAINTAINED AT ALL TIMES.
- TOLERANCES - EARTHWORKS TOLERANCES TO BUILDING PADS SHALL BE ±50mm.

FILLING AND COMPACTION NOTES

- STRIP SURFACE OF TOPSOIL AND ORGANIC MATERIAL TO A MINIMUM DEPTH OF 150mm.
- FILL AND COMPACT IN LAYERS NOT EXCEEDING 200mm AND COMPACT TO 98% SDD.
- PROVIDE COMPACTION TESTING FOR EVERY SECOND LAYER OR AS DIRECTED BY SUPERINTENDENT.
- USE ONLY SELECTED FILL, FREE OF ORGANIC MATERIAL, ROOTS AND TIMBER. SELECTED FILL TO BE APPROVED BY SUPERINTENDENT.

STORMWATER DRAINAGE NOTES

- ALL DRAINAGE STRUCTURES TO BE CONSTRUCTED IN ACCORDANCE WITH AUS-SPEC, HASTINGS COUNCIL VERSION 2003 EDITION.
- PRECAST PITS ARE NOT APPROVED FOR USE IN ROAD RESERVE AND ARE ONLY PERMITTED FOR USE IN NON TRAFFICABLE INTERALLOTMENT LOCATIONS.
- CONCRETE TO BE 25 MPa, 80 SLUMP.
- ALL PIPES TO BE RUBBER RING JOINTED.
- CLASS SN8 POLYPROPYLENE PIPE, (STORMPRO, BLACKMAX OR EQUIVALENT), MAY BE SUBSTITUTED FOR RCP FOR ≤ 600mm DIAMETER. THE CONTRACTOR SHALL PROVIDE WAE DETAILS - LINE SHEETS TO CONFIRM MATERIALS USED.
- THE CONTRACTOR SHALL ENSURE THAT ACCESS TO PRIVATE PROPERTY IS MAINTAINED AT ALL TIMES.
- ANY CHANGE TO PUBLIC UTILITIES OR ROADWORKS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL LOCATE, AT NO ADDITIONAL COST TO THE OWNER, ALL UTILITIES AND SERVICES PRIOR TO EXCAVATION.
- COMPRESSIVE STRENGTH F_c FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS
- ALL DIMENSIONS ARE IN MILLIMETRES
- PROVIDE F82 MESH CENTRALLY PLACED TO WALLS OF PITS > 1.5m DEEP. 50mm MIN. COVER RETURN MESH 300mm INTO BASE AND SIDES
- ALL STEEL WORK SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH AS 1650
- EXPANSION JOINTS TO BE 15mm WIDE FOR FULL DEPTH OF KERB AND GUTTER, WITH JOINT BEING OF A PREFORMED MATERIAL OF BITUMINOUS FIBREBOARD
- MAX DEPTH PIT 3500mm
- PROVIDE MIN. 50mm DROP THROUGH PIT.

SEDIMENT BASIN (CALCULATIONS FOR 1% SLOPE)

- 2 Year ARI, 6 HR STORM EVENT = 13.2mm/hr
- R= 374
- SOIL ERODIBILITY FACTOR (K) = 0.025
- SLOP LENGTH GRADIENT FACTOR (LS) = 0.23
- EROSION CONTROL PRACTICE FACTOR (P) = 0.8
- GROUND COVER (C) = 1
- SOIL LOSS (A) = 17 tonnes/ha/yr
- DISTURBED AREA = 2.226 ha

- SEDIMENT STORAGE ZONE VOLUME (V) = 12.5m³

- VOLUMETRIC RUNOFF COEFFICIENT (Cv) =0.7
- CATCHMENT AREA (A) = 2.226ha
- y PERCENTILE, 5 DAY (R) = 32mm

- SEDIMENT SETTLING VOLUME (V) = 498.6m³

- TOTAL BASIN STORAGE (1%) 511.1m³

SITE MANAGEMENT PLAN

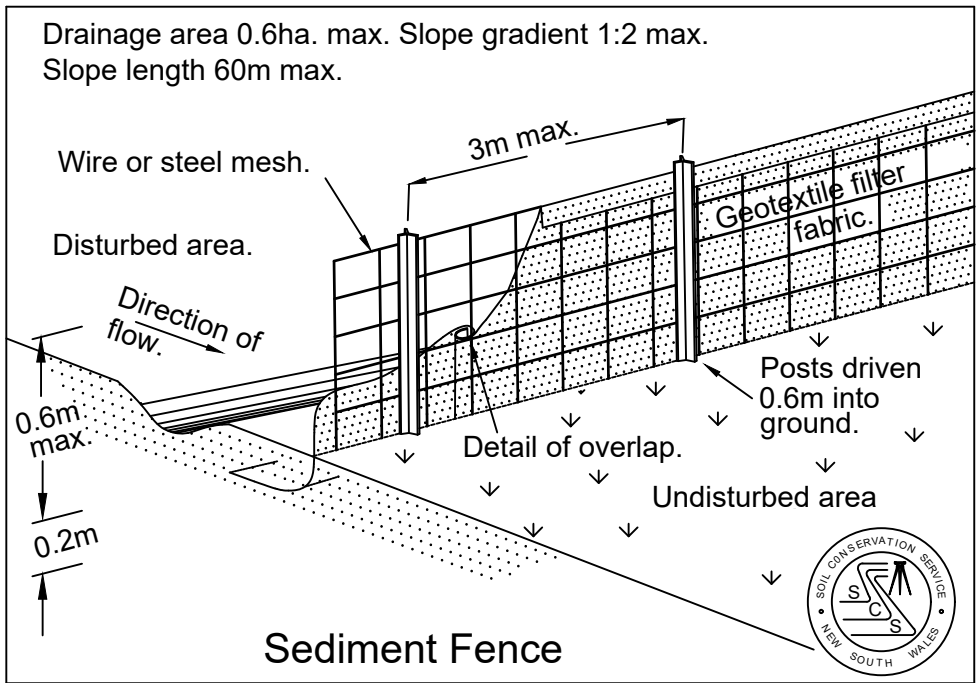
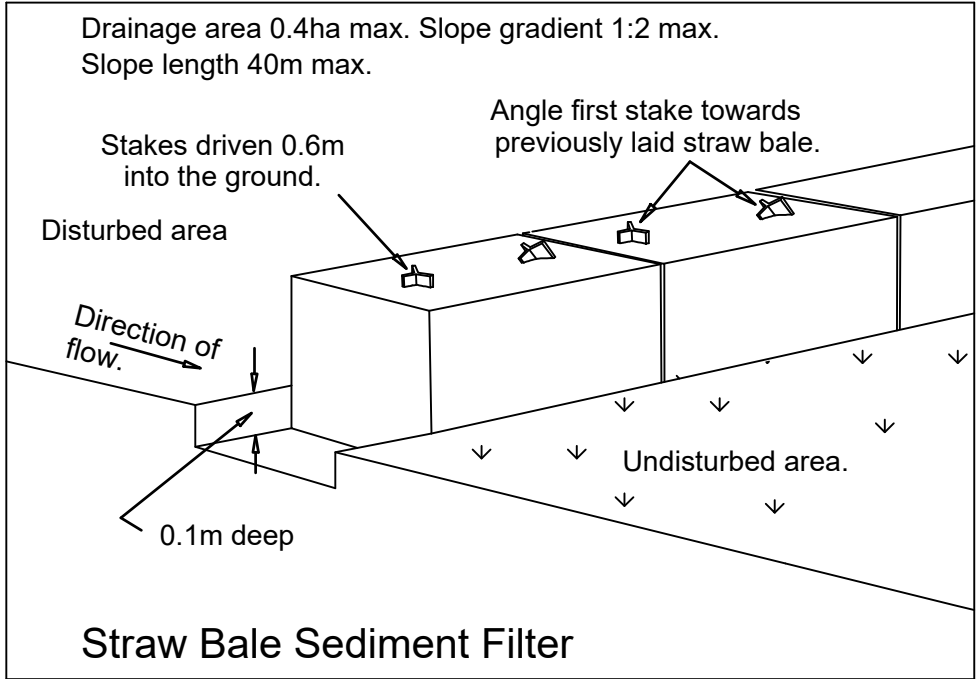
- EARTHWORKS CONSTRUCTION METHODOLOGY IS AS FOLLOWS:

- PHASE 1 WILL CONSIST OF EXCAVATION OF THE SEDIMENT BASIN AND ESTABLISHMENT OF INITIAL SEDIMENT FENCING, STRAW BALE FILTERS AND TOP OF BANK DIVERSION DRAINS
- PHASE 2 WILL BE A GRADUAL FILLING THROUGH THE LOW LYING 'VALLEY' OF THE SITE AS SUITABLE FILL MATERIAL BECOMES AVAILABLE.
- DURING PHASE 2, THE SEDIMENT AND EROSION CONTROLS ARE TO BE ESTABLISHED AS APPROPRIATE TO THE EXTENT OF FILLING. AS THE VOLUME OF FILL INCREASES, SEDIMENT AND EROSION CONTROLS ARE TO BE UPDATED AS REQUIRED OR MAINTAINED ON A MONTHLY BASIS, WHICHEVER OCCURS SOONER.
- PHASE 3 WILL CONSISTS OF THE ESTABLISHMENT OF FINAL SEDIMENT AND EROSION CONTROLS AND STABILISATION OF DISTURBED AREAS THROUGH SEEDING, MULCHING ETC. PHASE 3 WILL CONCLUDE AFTER A MINIMUM OF 3 YEARS OF THE COMMENCEMENT OF FURTHER DEVELOPMENT, WHICHEVER OCCURS SOONER

- THE DURATION OF WORKS WILL BE DETERMINED BY THE AVAILABILITY OF SUITABLE FILL MATERIAL.
- THE SEDIMENT BASIN IS DESIGNED FOR THE 2 YEAR, 6HR STORM EVENT WITH A CENTRE SPILLWAY (AS PER SD 6-1) AND RISER PIPE (AS PER SD 6-3). MITIGATION FOR LARGER STORM EVENTS INCLUDE DOWNSTREAM SEDIMENT FENCES & STRAW BALE FILTERS. MONTHLY MAINTENANCE INSPECTIONS (MINIMUM) WILL ENSURE THAT ANY DAMAGE AFTER SIGNIFICANT RAINFALL EVENTS WILL BE RECTIFIED AND CONTROLS RE-ESTABLISHED

WET WEATHER CONTINGENCY PLAN

- THE CONTRACTOR IS TO ADOPT A WET WEATHER & ELEVATED FLOW CONTINGENCY PLAN DURING WORKS. THE PLAN SHOULD ALIGN WITH THE PRINCIPLES OF THE NSW BLUE BOOK & ENCOMPASS THE FOLLOWING:
 - PRE WET WEATHER INSPECTIONS APPROX X 24HRS BEFORE MAJOR EVENT. ENSURING ALL CONTROLS ARE IN PLACE AND IN GOOD WORKING ORDER.
 - MAINTAIN STOCKPILES OF CONTROL MATERIALS (SAND BAGS, TARPS, GEOFAB, SCOUR PROTECTION ETC)
 - INSPECTIONS DURING OR IMMEDIATELY AFTER RAIN EVENTS. BE PREPARED TO DEPLOY ADDITIONAL CONTROLS OR REPAIR EXISTING.
 - CONTINUOUSLY MONITOR QUALITY AND QUANTITY OF RUNOFF
 - ASSESS & REMEDIATE SITE AND CONTROL MEASURES ONCE SITE IS ACCESSIBLE. THIS MAY INCLUDE NEW DIVERSION DRAINS, SEDIMENT FENCES, PROTECTIONS TO STOCKPILES ETC.
 - REVIEW & UPDATE CONTROLS AS REQUIRED
 - NOTIFY & REPORT EXCESS POLLUTION TO MID COAST COUNCIL & CLIENT IN THE FIRST INSTANCE



DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

Liability limited by a scheme approved under Professional Standards Legislation

A	15/08/2025	ISSUED FOR DA APPLICATION	GA
No.	DATE	REVISIONS	BY

JOJENI INVESTMENTS PTY LTD
WOODLANDS ESTATE
OCEAN DRIVE, LAKEWOOD

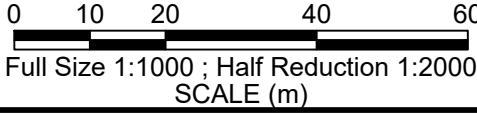
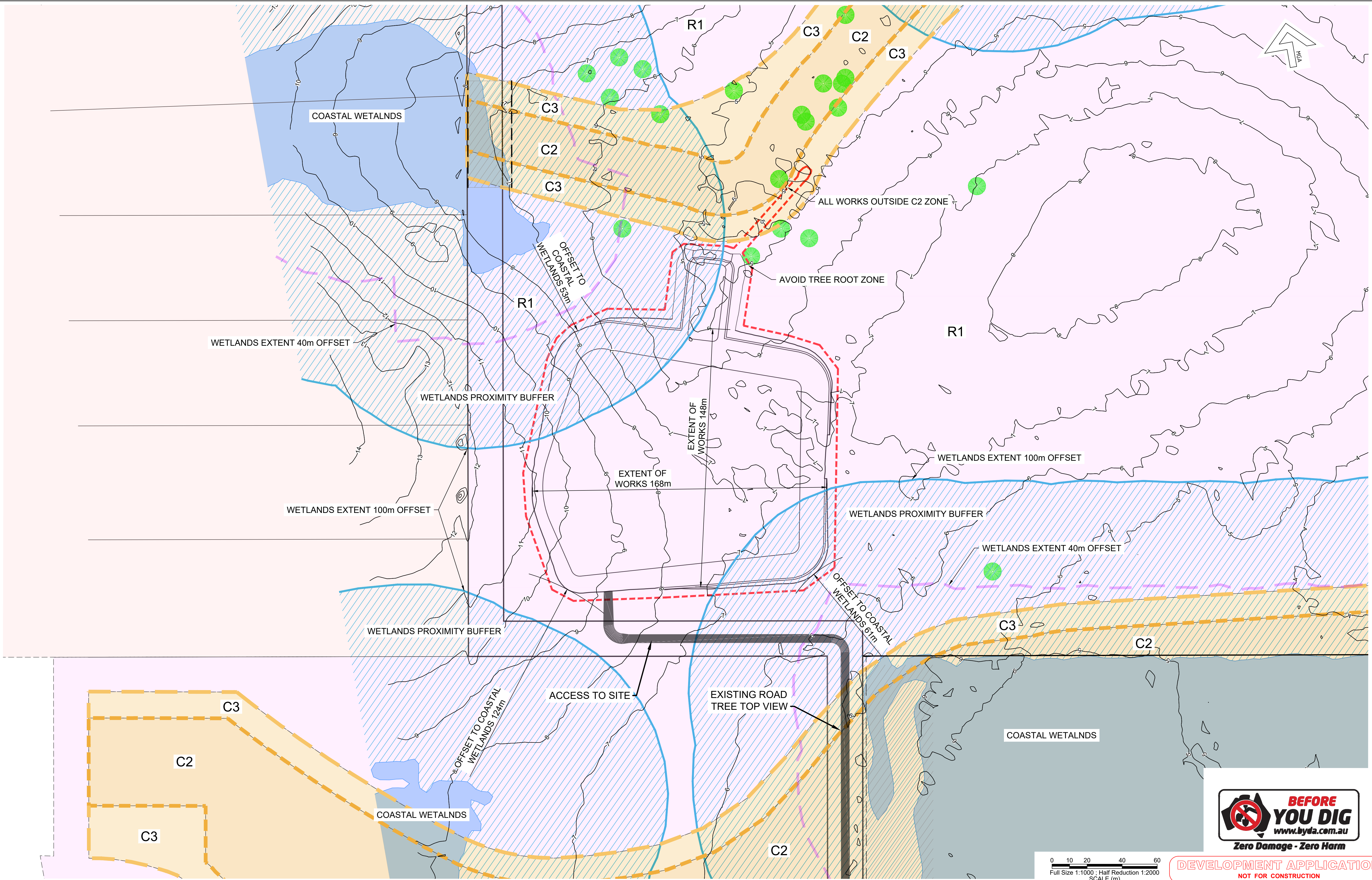


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WOODLANDS NTH EARTHWORKS STOCKPILE DA

GENERAL NOTES

DRAWING NUMBER/REFERENCE		
6849-073-02		
DESIGNER DG	ORIGIN OF LEVELS SSM16721	REV. A
SURVEYOR GG	HEIGHT RL 20.923	
DRAFTING GA	DATUM/GDA AHD/2020	SHEET SIZE A1
APPROVED DG	SCALE AS SHOWN	



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OCEAN DRIVE, LAKEWOOD

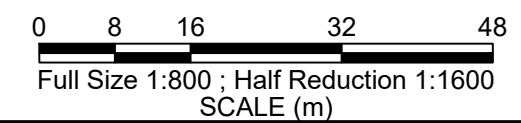
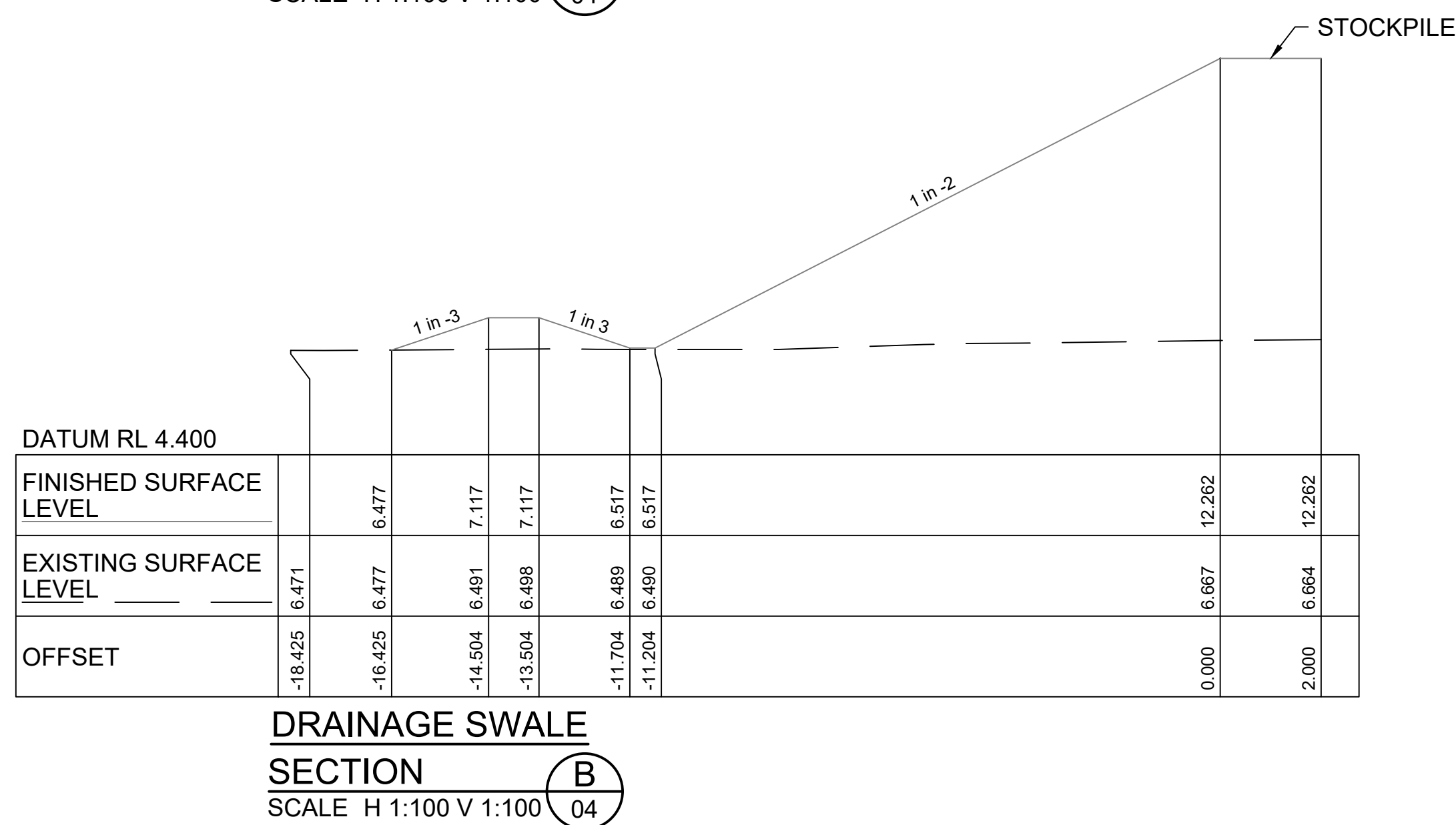
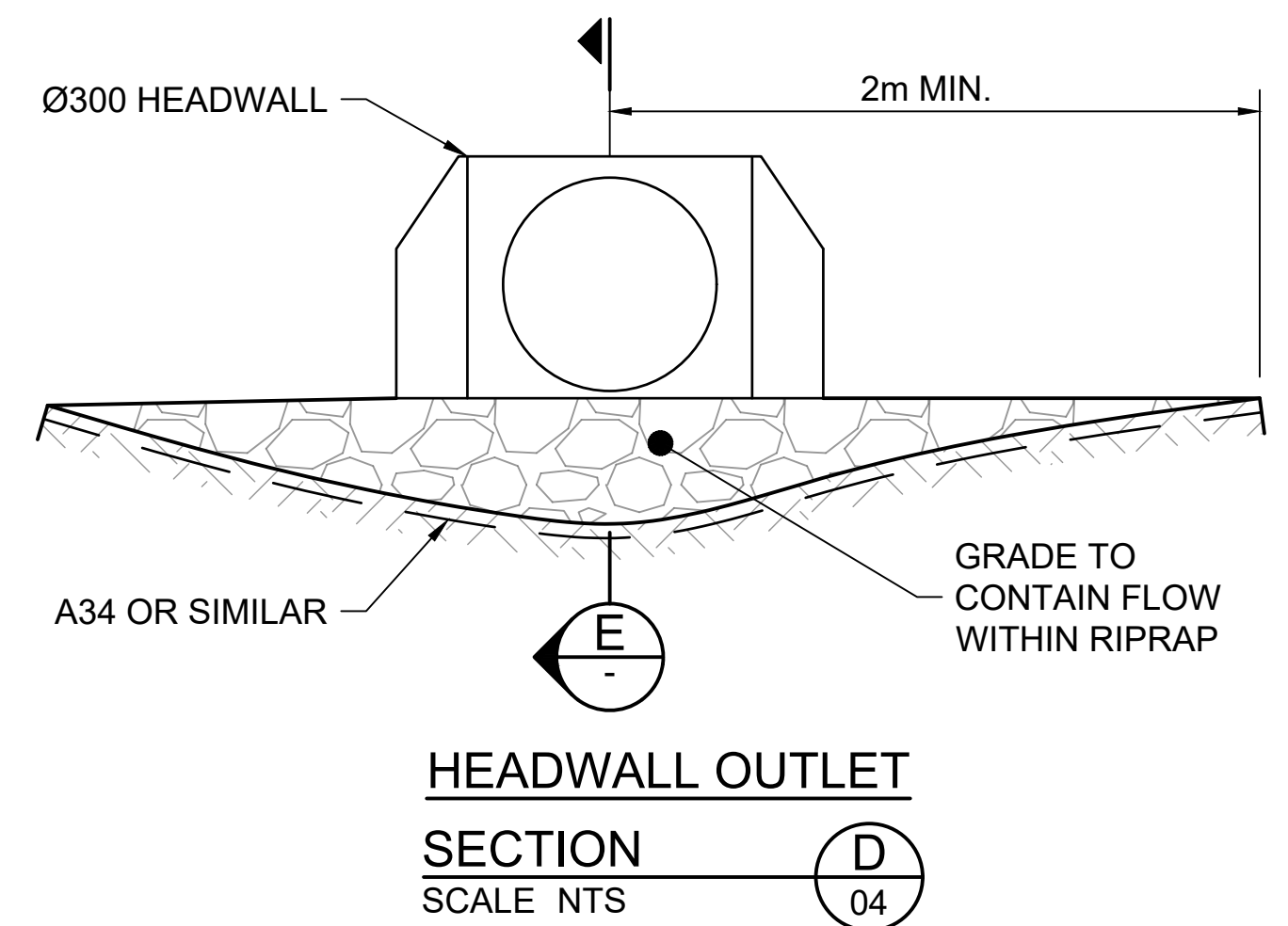
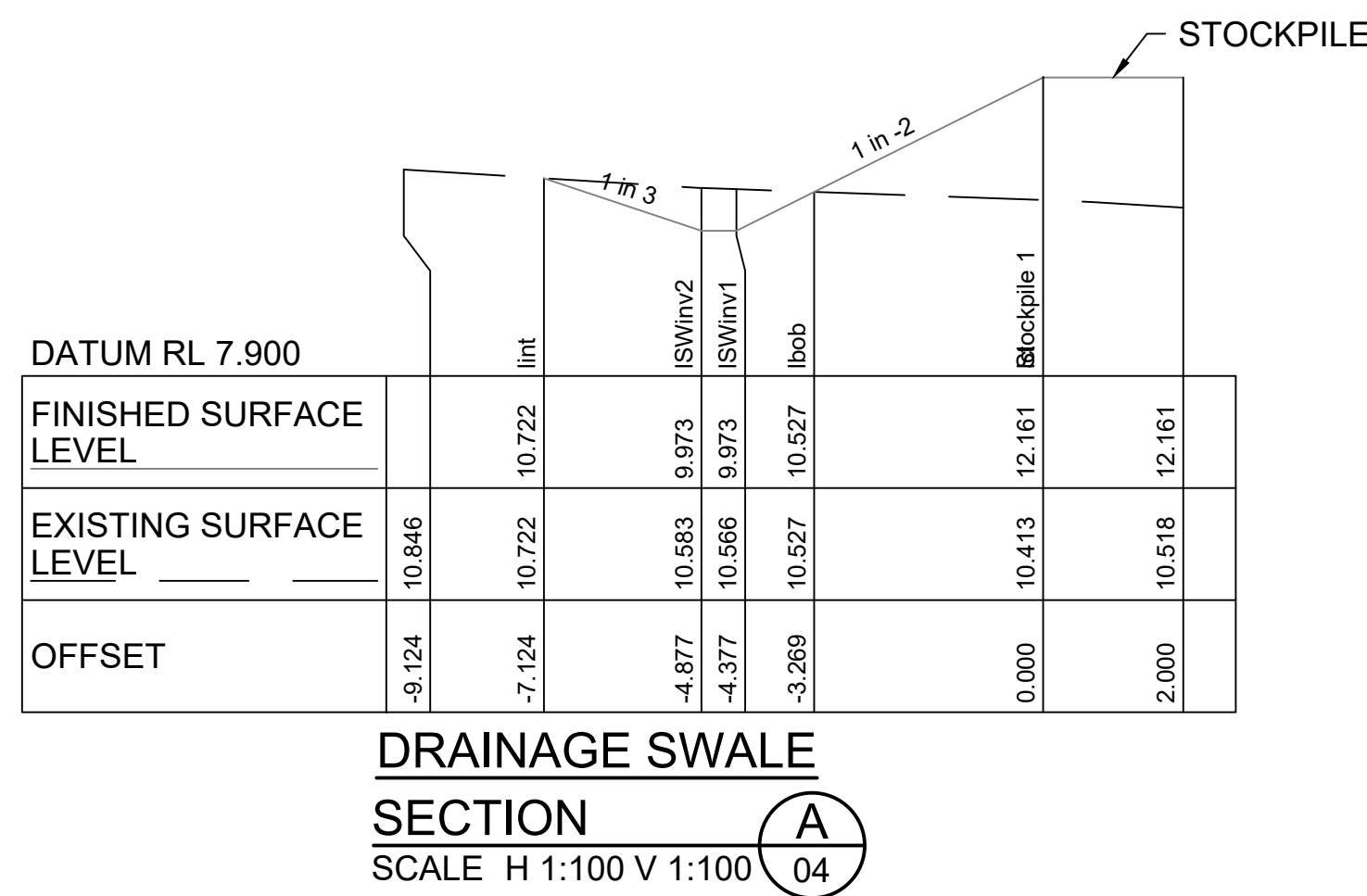
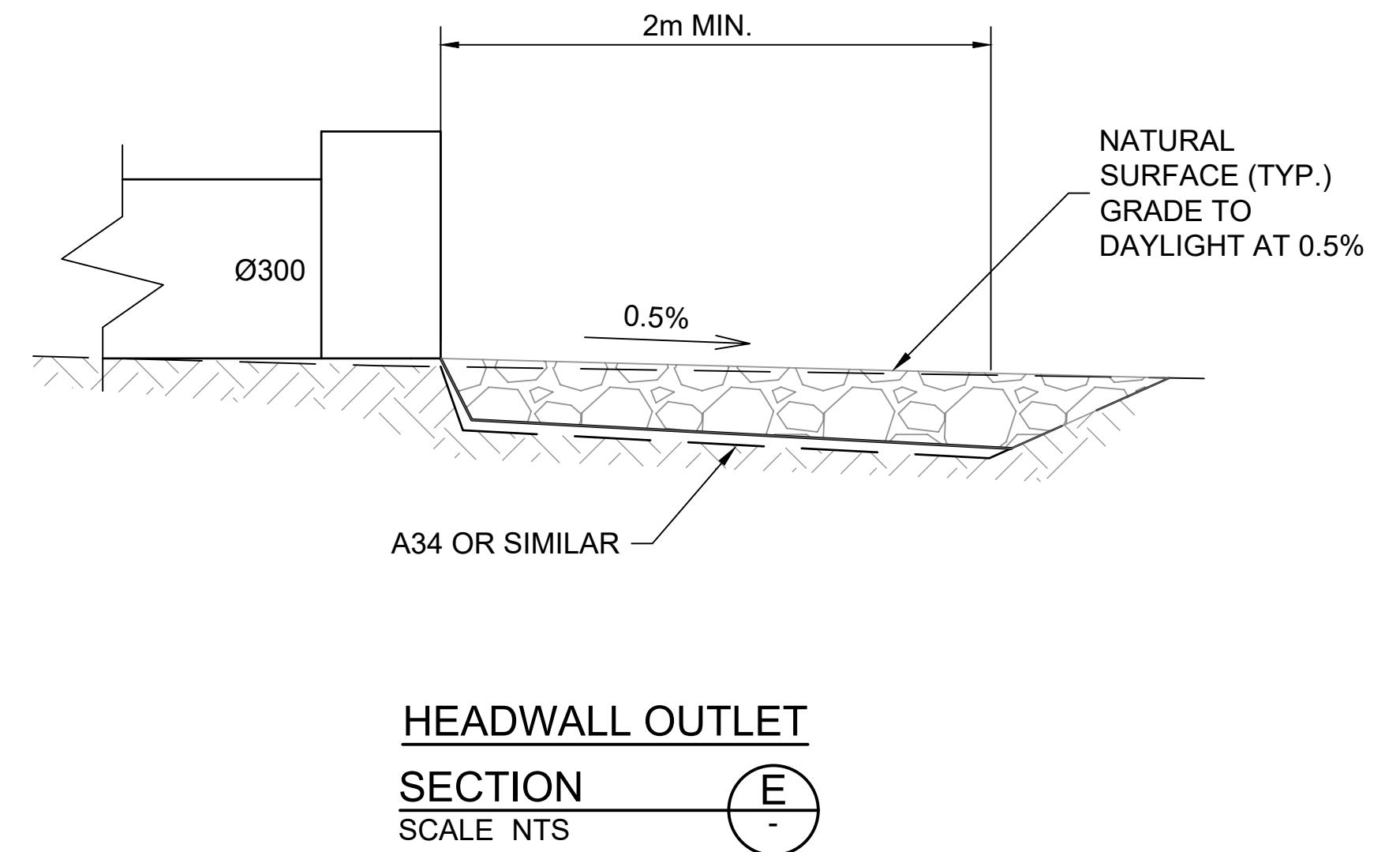
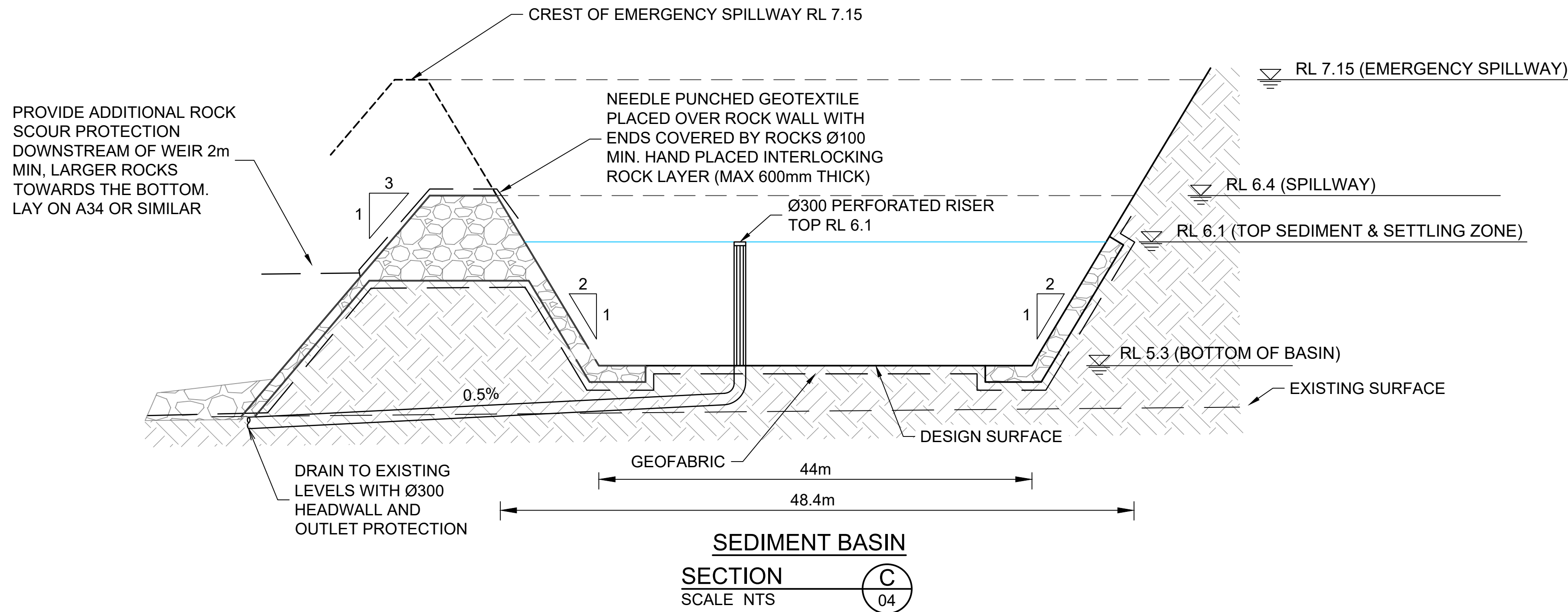


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WOODLANDS NTH EARTHWORKS STOCKPILE DA

ZONE INFORMATION, WETLANDS OFFSETS
& EXTENT OF WORKS PLAN

DRAWING NUMBER/REFERENCE 6849-073-03		
DESIGNER DG	ORIGIN OF LEVELS SSM16721	REV. A
SURVEYOR GG	HEIGHT RL 20.923	SHEET SIZE A1
DRAFTING GA	DATUM/GDA AHD/2020	
APPROVED DG	SCALE AS SHOWN	



DEVELOPMENT APPLICATION
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No.	DATE	REVISIONS	BY
A	15/08/2025	ISSUED FOR DA APPLICATION	GA

JOJENI INVESTMENTS PTY LTD
WOODLANDS ESTATE
OCEAN DRIVE, LAKEWOOD



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WOODLANDS NTH EARTHWORKS STOCKPILE DA
SEDIMENT BASIN & OUTLET DETAILS
& STOCKPILE BATTER SECTIONS

DRAWING NUMBER/REFERENCE 6849-073-05		
DESIGNER DG	ORIGIN OF LEVELS SSM16721	REV. A
SURVEYOR GG	HEIGHT RL 20.923	SHEET SIZE A1
DRAFTING GA	DATUM/GDA AHD/2020	
APPROVED DG	SCALE AS SHOWN	