

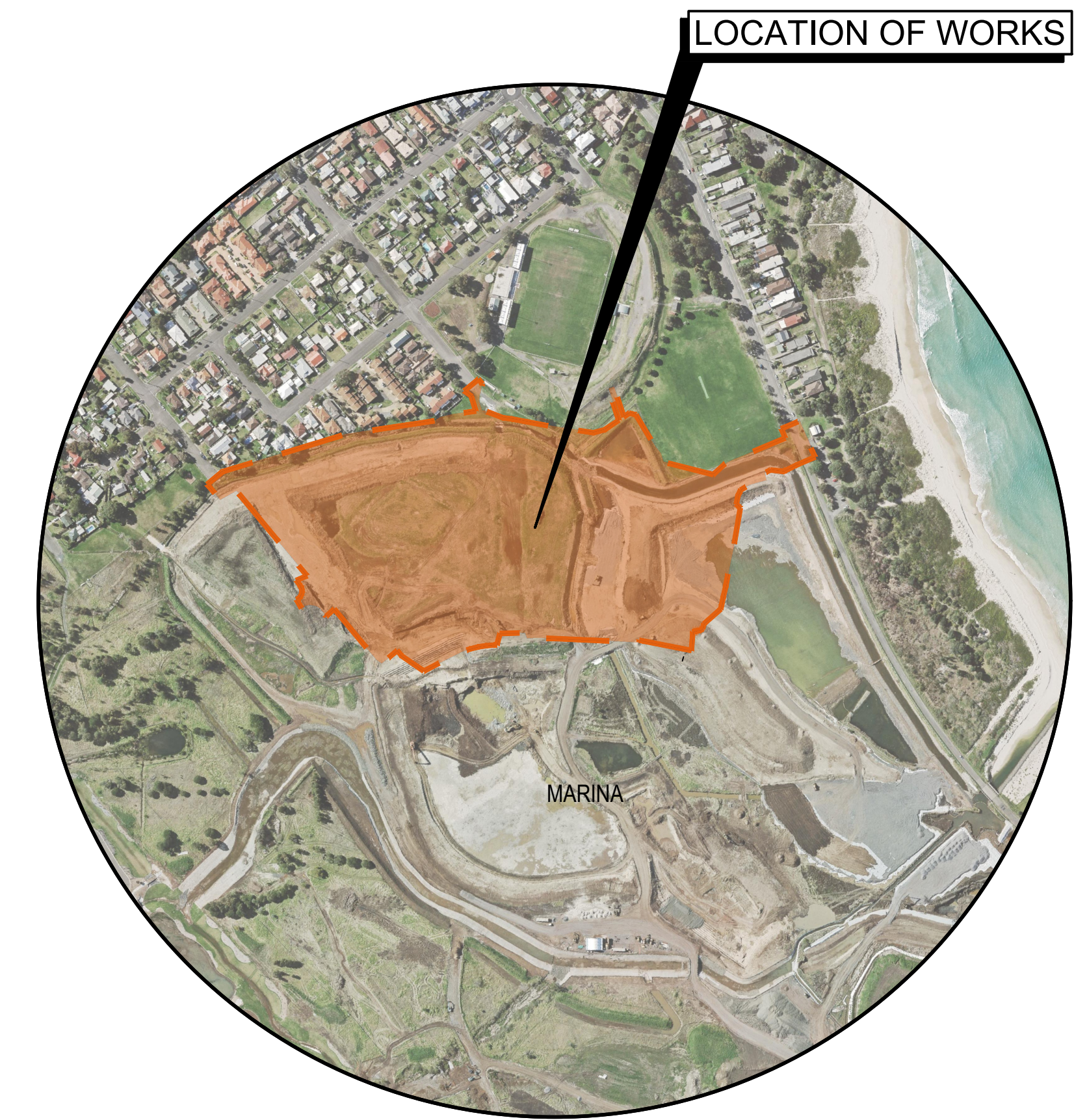
SHELL COVE - PRECINCTS F AND G AND WETLAND 08

PRECINCT INFRASTRUCTURE - CIVIL WORKS DA DESIGN
SHELLHARBOUR CITY COUNCIL

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C-FG-440	SIGHT DISTANCE PLANS SHEET 9
C-FG-441	SIGHT DISTANCE PLANS SHEET 10
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C-FG-444	SIGHT DISTANCE PLANS SHEET 13
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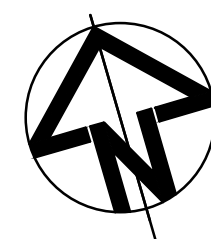
STORMWATER DRAINAGE	
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LOCALITY PLAN
N.T.S.

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Issue	Description	Date
03	COUNCIL COMMENTS ADDRESSED	09/12/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	N.T.S.	Current Issue Signatures
Original Size	A1	Drawn A.ZHAO
Height Datum	AHD	Designed J.WOOD
Grid	MGA	Checked J.HEYDON
Filename:	C-fg-001-10006310-nsd-CoverSheetAndDrawingList.dwg	

Project

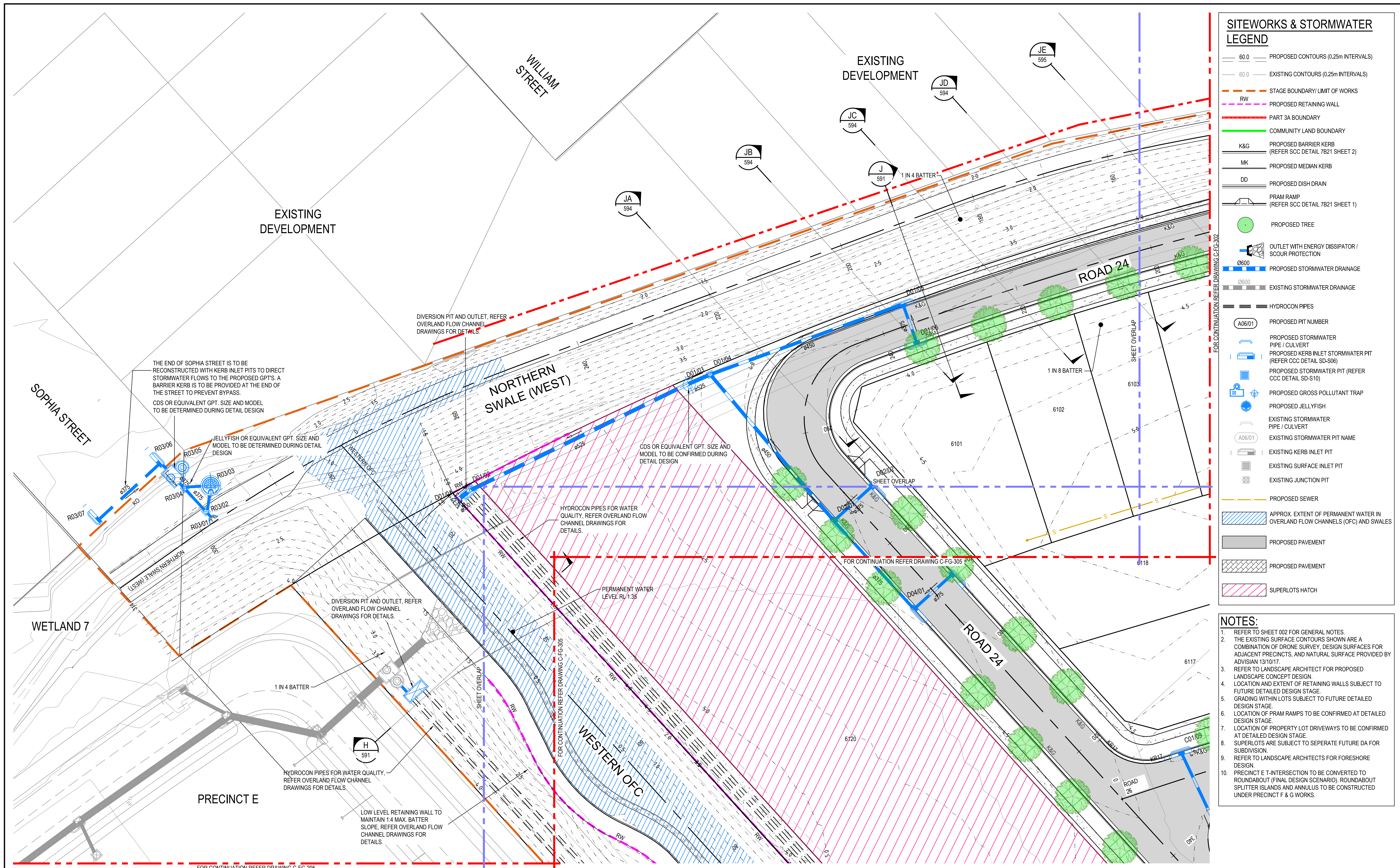
**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

Title

**COVER SHEET AND
DRAWING LIST**

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. | Project No. | Issue
C-FG-001 - 10006310 - 03

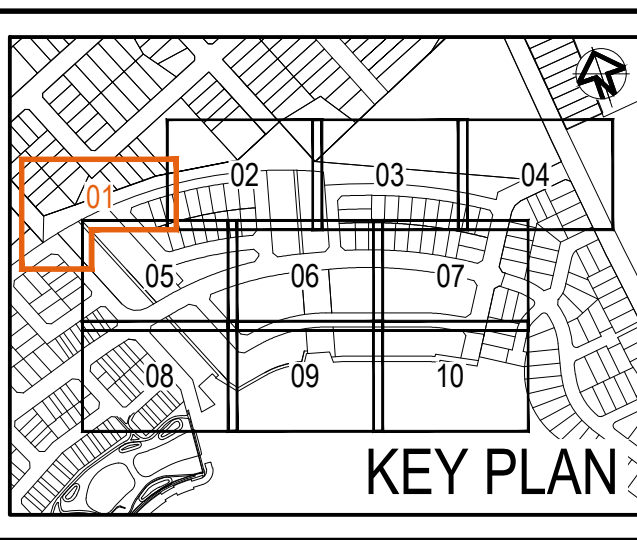
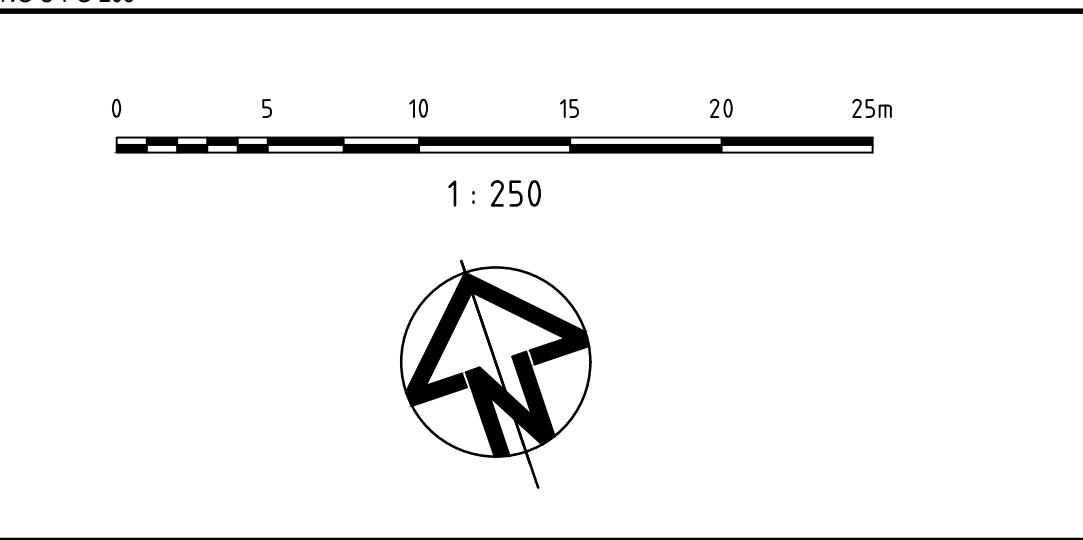


SITWORKS & STORMWATER LEGEND

	60.0	PROPOSED CONTOURS (0.25m INTERVALS)
	60.0	EXISTING CONTOURS (0.25m INTERVALS)
		STAGE BOUNDARY/ LIMIT OF WORKS
		PROPOSED RETAINING WALL
		PART 3A BOUNDARY
		COMMUNITY LAND BOUNDARY
		PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
		PROPOSED MEDIAN KERB
		PROPOSED DISH DRAIN
		PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
		PROPOSED TREE
		OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
	Ø600	PROPOSED STORMWATER DRAINAGE
	Ø600	EXISTING STORMWATER DRAINAGE
		HYDROCON PIPES
		PROPOSED PIT NUMBER
		PROPOSED STORMWATER PIPE / CULVERT
		PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
		PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
		PROPOSED GROSS POLLUTANT TRAP
		PROPOSED JELLYFISH
		EXISTING STORMWATER PIPE / CULVERT
		EXISTING STORMWATER PIT NAME
		EXISTING KERB INLET PIT
		EXISTING SURFACE INLET PIT
		EXISTING JUNCTION PIT
		PROPOSED SEWER
		APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
		PROPOSED PAVEMENT
		PROPOSED PAVEMENT
		SUPERLOTS HATCH

- ### NOTES:
- REFER TO SHEET 002 FOR GENERAL NOTES.
 - THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 - REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 - LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 - LOCATION OF PRAM RAMP TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 - SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 - REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 - PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO), ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
03	COUNCIL COMMENTS ADDRESSED	09/12/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn: A.ZHAO
Height Datum	AHD	Designed: J.WOOD
Grid	MGA	Checked: J.HEYDON
		Approved: J.HEYDON

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

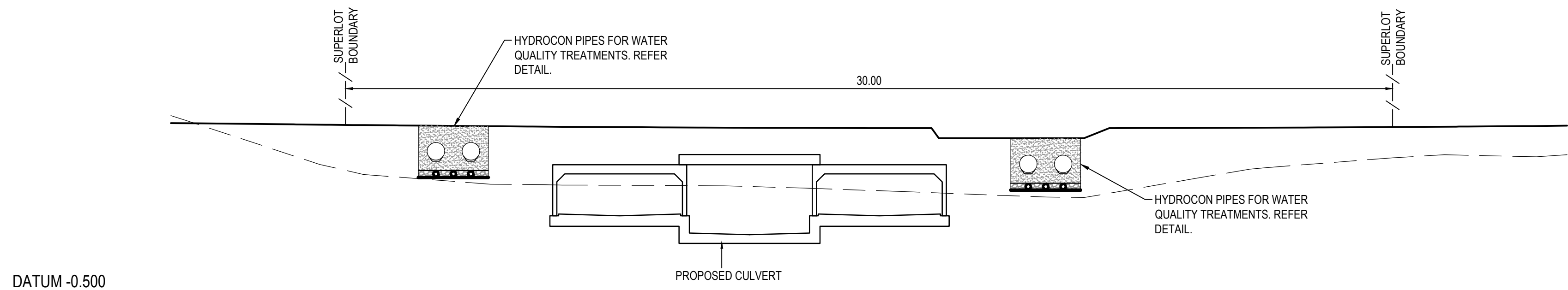
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**CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 1**

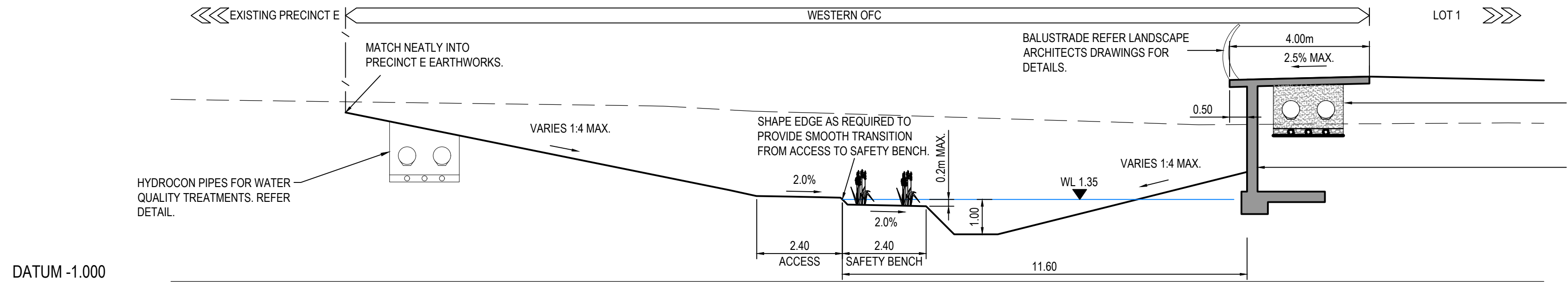
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

C-FG-301 - 10006310 - 03

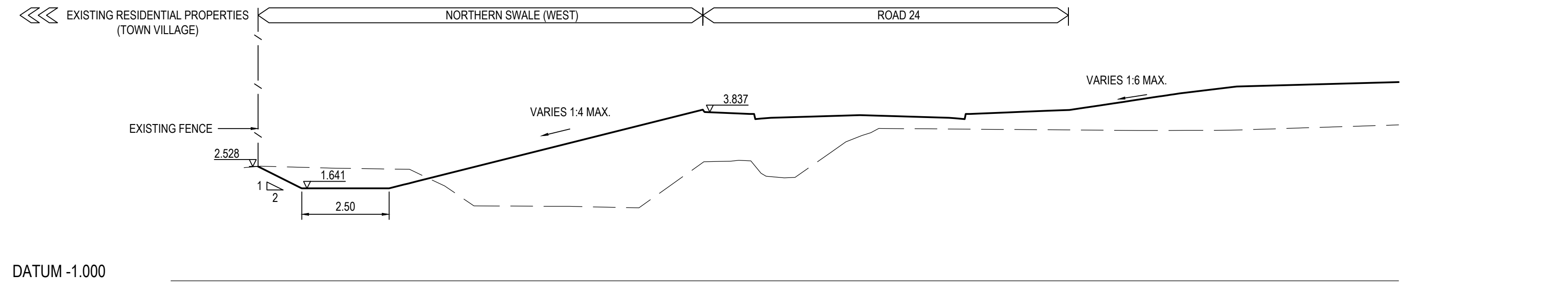


SECTION G - REFER SHEET 306
 HORIZONTAL SCALE 1:100
 VERTICAL SCALE 1:100



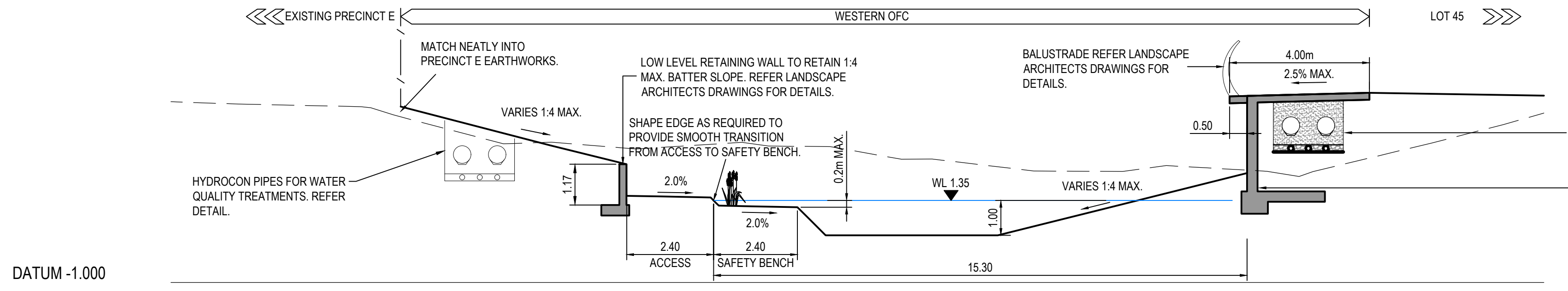
SECTION H - REFER SHEET 301
 HORIZONTAL SCALE 1:100
 VERTICAL SCALE 1:100

NOTE:
 REFER FLOOD REPORT PREPARED BY ADVISIAN FOR POTENTIAL FLOOD LEVELS WITHIN THE OFC.



SECTION J - REFER SHEET 301
 HORIZONTAL SCALE 1:100
 VERTICAL SCALE 1:100

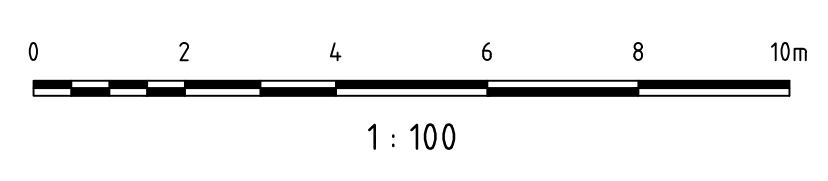
NOTE:
 REFER FLOOD REPORT PREPARED BY ADVISIAN FOR POTENTIAL FLOOD LEVELS WITHIN THE SWALE.



SECTION K - REFER SHEET 308
 HORIZONTAL SCALE 1:100
 VERTICAL SCALE 1:100

NOTE:
 REFER FLOOD REPORT PREPARED BY ADVISIAN FOR POTENTIAL FLOOD LEVELS WITHIN THE SWALE.

Issue	Description	Date
03	COUNCIL COMMENTS ADDRESSED	09/12/2019
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01	ISSUED FOR CLIENT REVIEW	17/05/2018

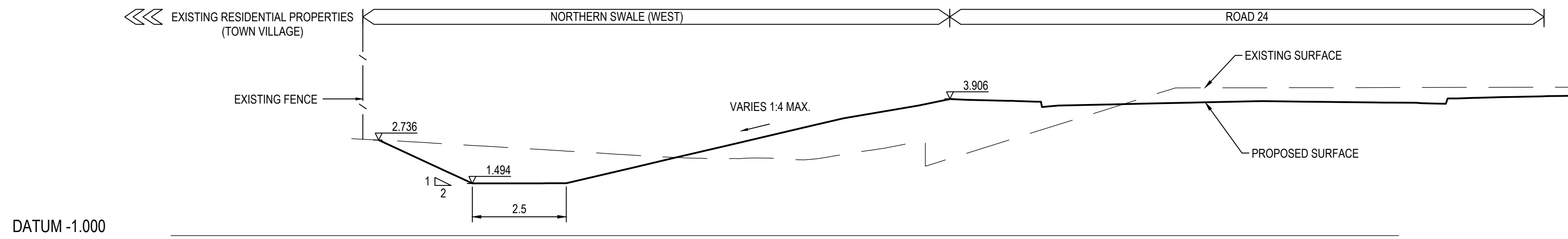


Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000	Current Issue Signatures
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Height Datum	AHD	Checked J.HEYDON
Grid	MGA	Approved J.HEYDON
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Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 1
Drawing No.	C-FG-591
Project No.	10006310
Issue	03

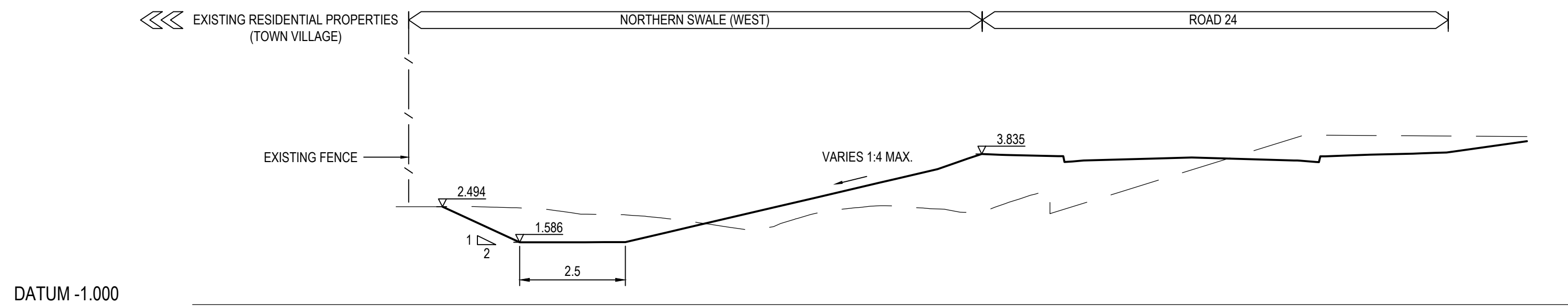
Arcadis Australia Pacific Pty Limited
 Level 16, 580 George Street
 SYDNEY NSW 2000
 ABN 76 104 485 289
 Tel No: +61 2 8907 9000
 Fax No: +61 2 8907 9001
 arcadis.com

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



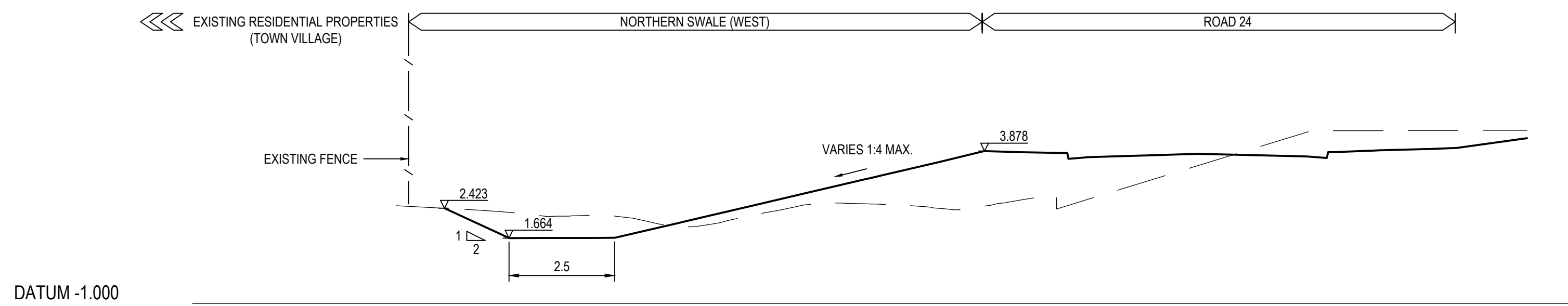
SECTION JA- REFER SHEET 301
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VERTICAL SCALE 1:100

NOTE:
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BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



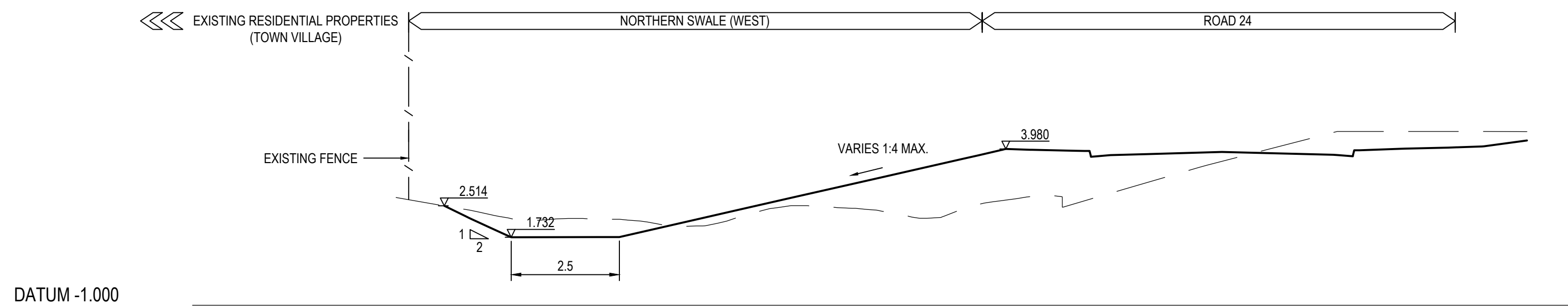
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HORIZONTAL SCALE 1:100
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NOTE:
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BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



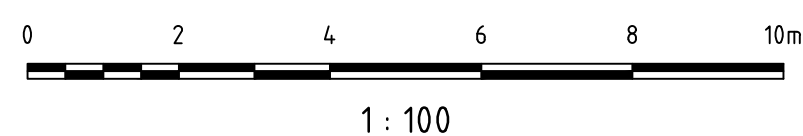
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HORIZONTAL SCALE 1:100
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NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



SECTION JD - REFER SHEET 301
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VERTICAL SCALE 1:100

Issue	Description	Date
01	COUNCIL COMMENTS ADDRESSED	09/12/2019



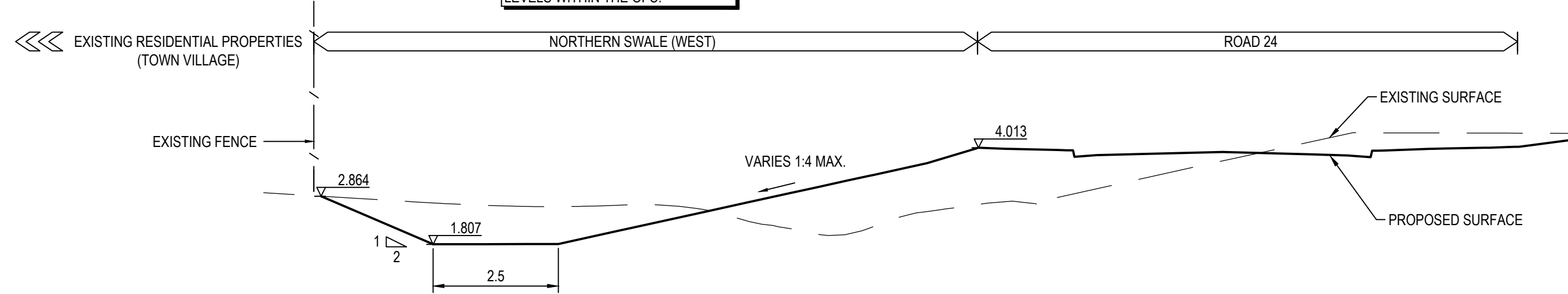
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Project SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 4	

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ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No.	Project No.	Issue
C-FG-594	10006310	01

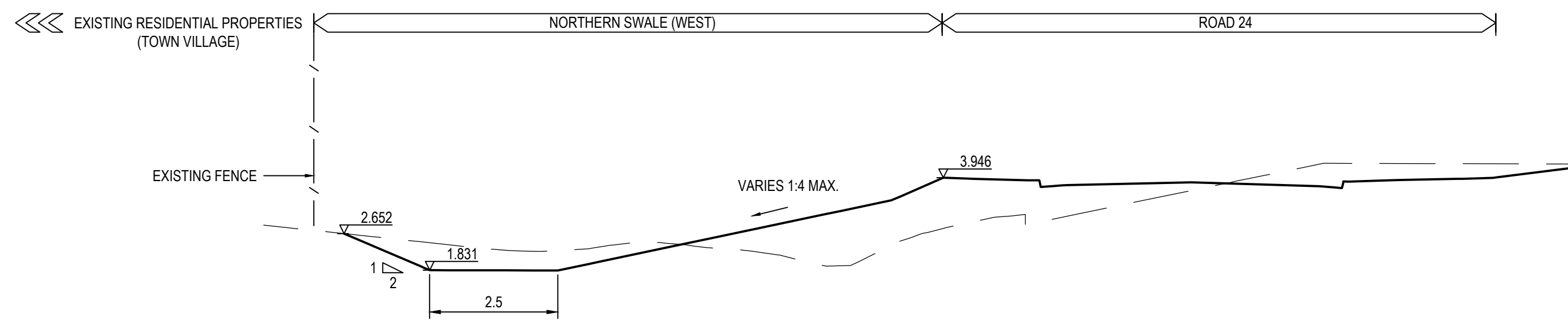
NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



DATUM -1.000

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HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

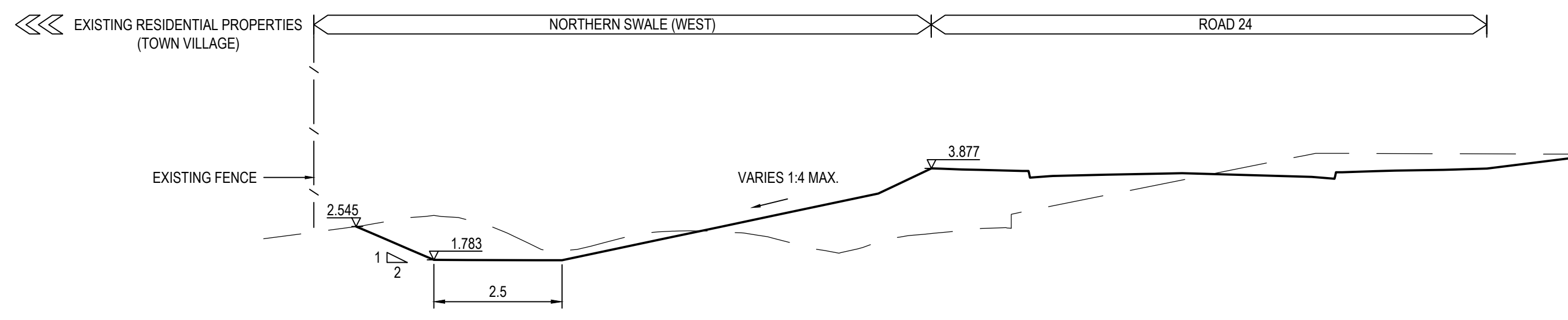
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DATUM -1.000

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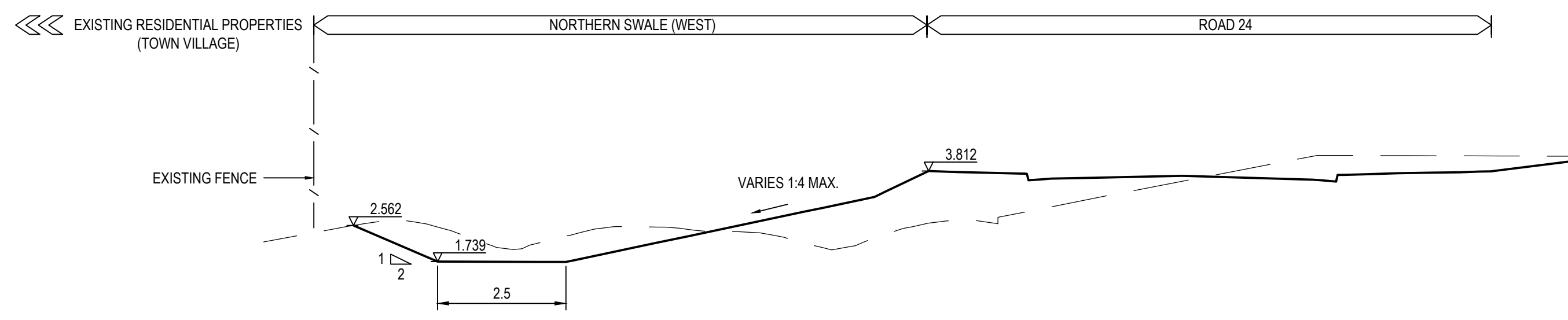
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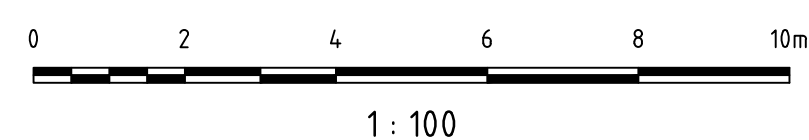
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NOTE:
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LEVELS WITHIN THE OFC.



DATUM -1.000

SECTION JH - REFER SHEET 302
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100



Issue	Description	Date
01	COUNCIL COMMENTS ADDRESSED	09/12/2019

Client

Status PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000
Original Size	A1
Height Datum	AHD
Grid	MGA
File Path: G:\595-10006310-nsd-OverlandFlowChannelsSectionsAndDetailsSheet5.dwg	

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

Title

**OVERLAND FLOW CHANNELS
SECTIONS AND DETAILS
SHEET 5**

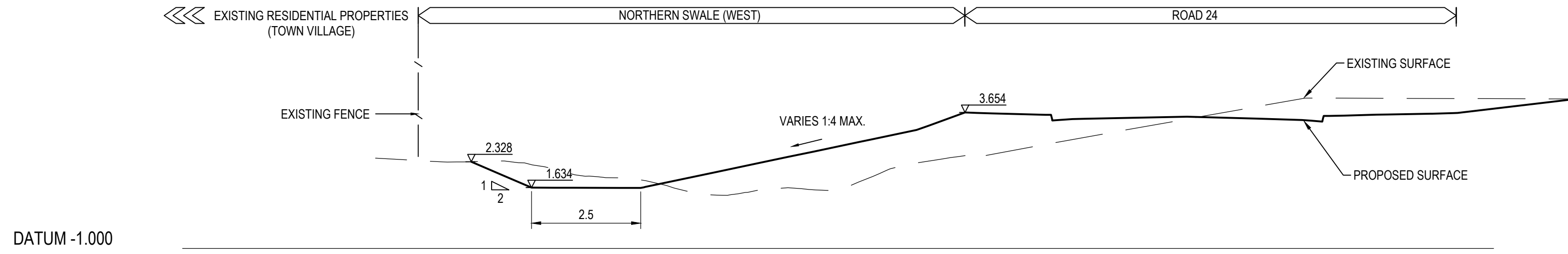
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. | Project No. | Issue

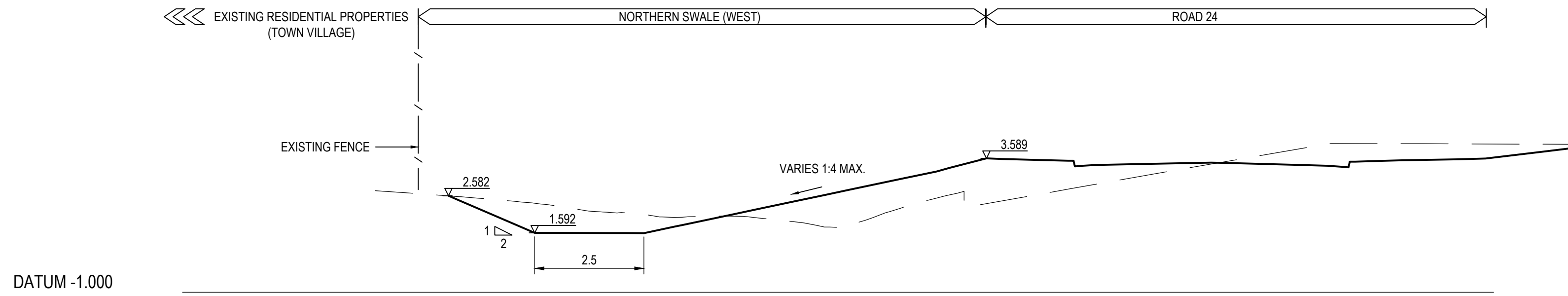
C-FG-595 - 10006310 - 01

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



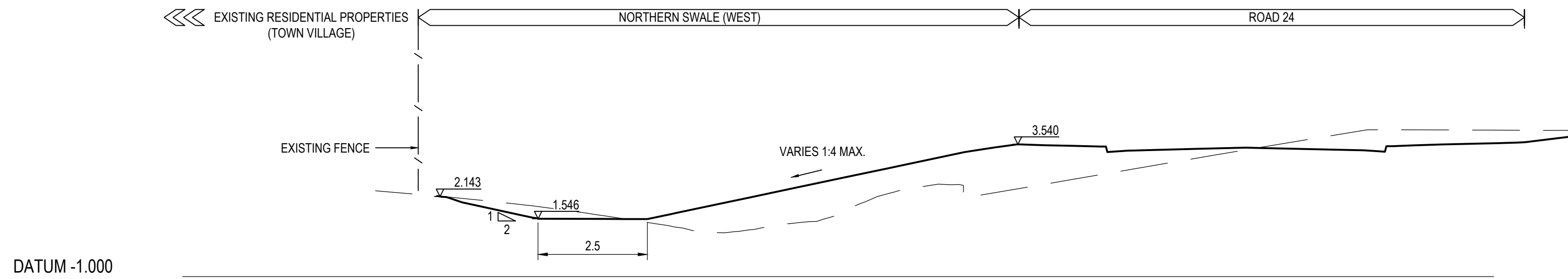
SECTION JI - REFER SHEET 302
HORIZONTAL SCALE 1:100
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NOTE:
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BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



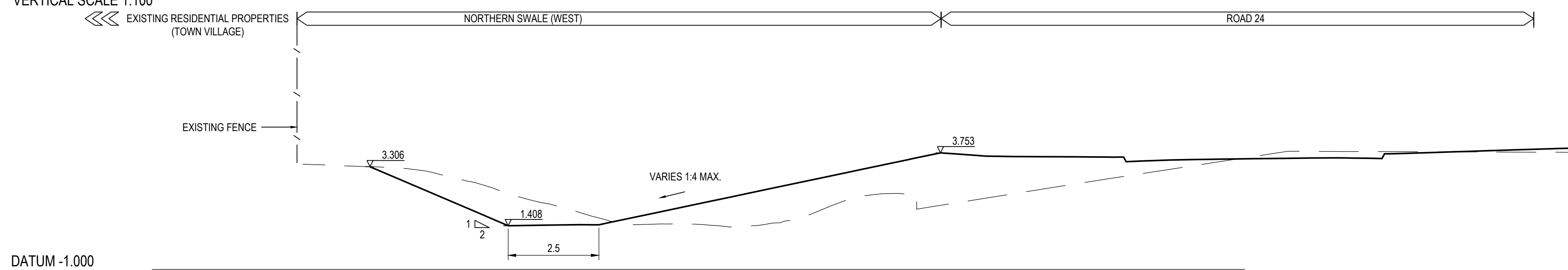
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NOTE:
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BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



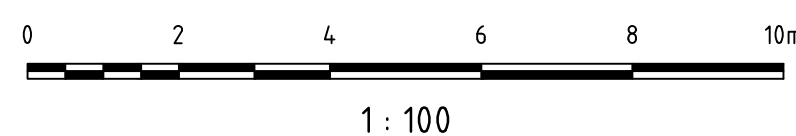
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HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE OFC.



SECTION JL - REFER SHEET 302
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

Issue	Description	Date
01	COUNCIL COMMENTS ADDRESSED	09/12/2019



Status
PRELIMINARY ONLY
NOT TO BE USED FOR CONSTRUCTION

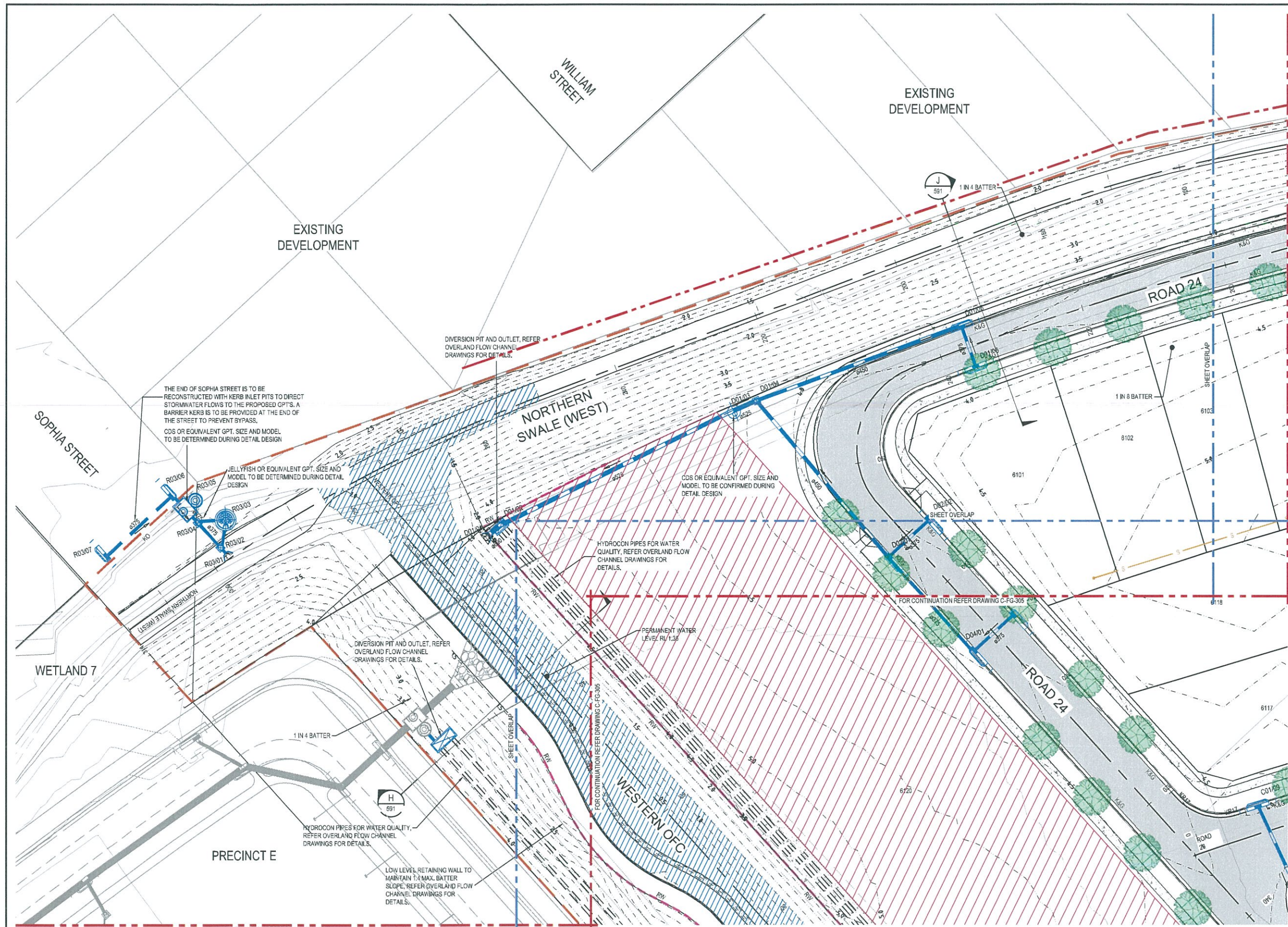
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A1	AHD	MGA

Project
SHELL COVE
PRECINCT F AND G
AND WETLAND 08

Title
OVERLAND FLOW CHANNELS
SECTIONS AND DETAILS
SHEET 6

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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. | Project No. | Issue
C-FG-596 - 10006310 - 01

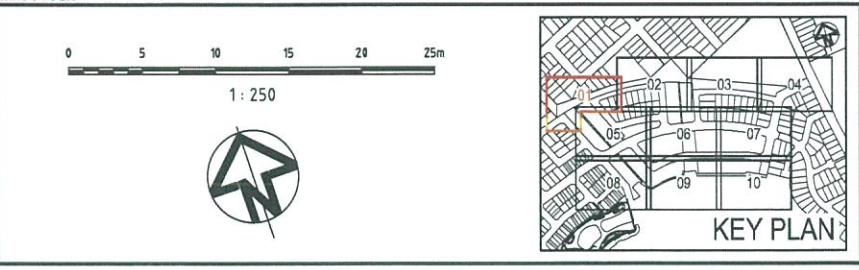


SITeworks & STORMwater LEGEND

- 50.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 50.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY/LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A06/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-500)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A06/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- NOTES:**
1. REFER TO SHEET 002 FOR GENERAL NOTES
 2. THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
 3. REFER TO LANDSCAPE ARCHITECT FOR PROPOSED LANDSCAPE CONCEPT DESIGN.
 4. LOCATION AND EXTENT OF RETAINING WALLS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 5. GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 6. LOCATION OF PRAM RAMPs TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 7. LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 8. SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 9. REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 10. PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO) ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
		Approved

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

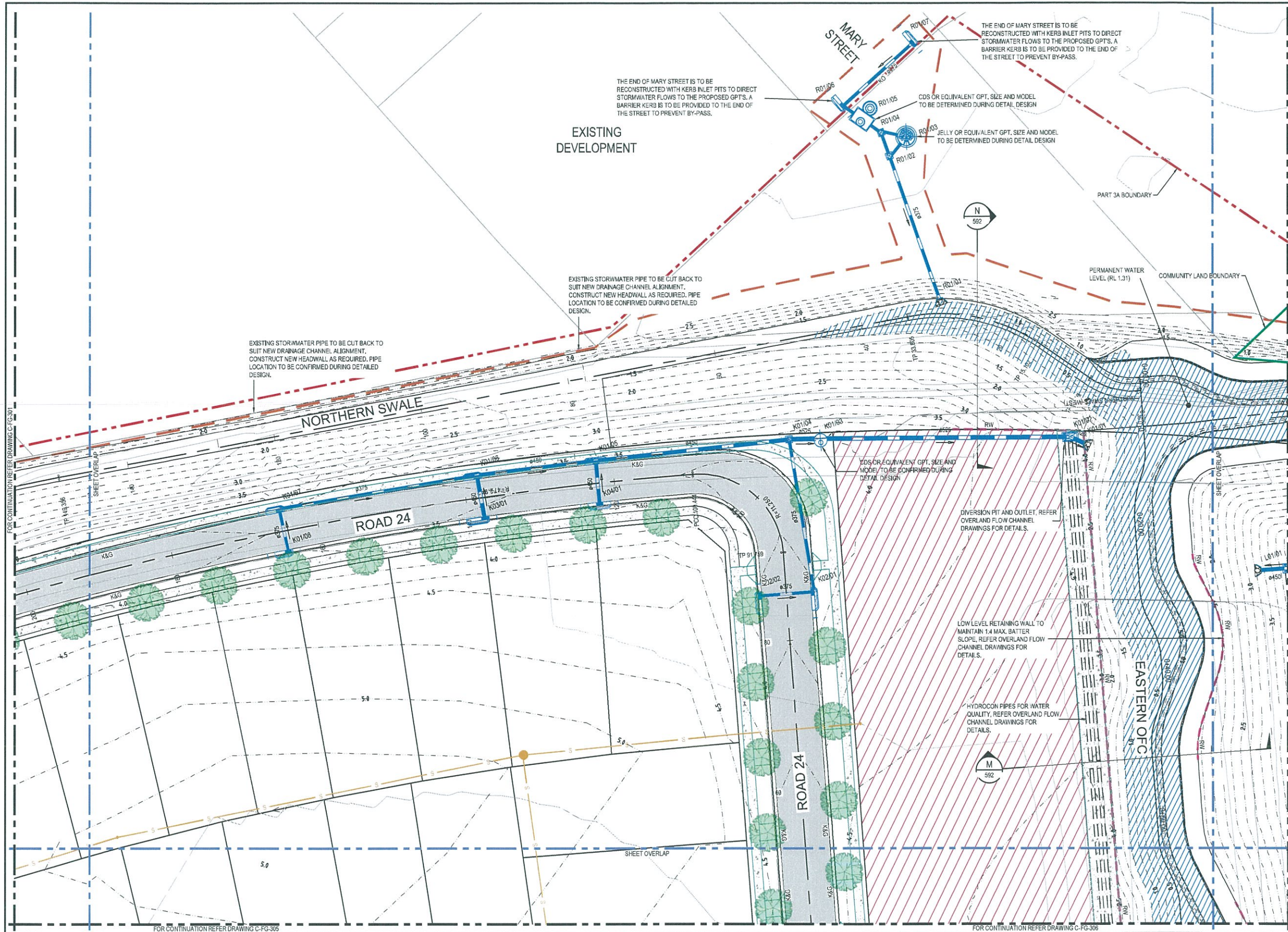
Title

**CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 1**

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-301 Project No. 10006310 Issue 02



SITeworks & STORMwater LEGEND

- 50.0 — PROPOSED CONTOURS (0.25m INTERVALS)
- 50.0 — EXISTING CONTOURS (0.25m INTERVALS)
- — STAGE BOUNDARY / LIMIT OF WORKS
- RW — PROPOSED RETAINING WALL
- — PART 3A BOUNDARY
- — COMMUNITY LAND BOUNDARY
- K&G — PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- MK — PROPOSED MEDIAN KERB
- DD — PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- — PROPOSED TREE
- — OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- — PROPOSED STORMWATER DRAINAGE
- — EXISTING STORMWATER DRAINAGE
- — HYDROCON PIPES
- A06/01 — PROPOSED PIT NUMBER
- — PROPOSED STORMWATER PIPE / CULVERT
- — PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- — PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- — PROPOSED GROSS POLLUTANT TRAP
- — PROPOSED JELLYFISH
- — EXISTING STORMWATER PIPE / CULVERT
- A06/01 — EXISTING STORMWATER PIT NAME
- — EXISTING KERB INLET PIT
- — EXISTING SURFACE INLET PIT
- — EXISTING JUNCTION PIT
- — PROPOSED SEWER
- — APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- — PROPOSED PAVEMENT
- — PROPOSED PAVEMENT
- — SUPERLOTS HATCH

- NOTES:**
1. REFER TO SHEET 002 FOR GENERAL NOTES.
 2. THE EXISTING SURFACE CONTOURS SHOWN ARE A COMBINATION OF DRONE SURVEY, DESIGN SURFACES FOR ADJACENT PRECINCTS, AND NATURAL SURFACE PROVIDED BY ADVISIAN 13/10/17.
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 5. GRADING WITHIN LOTS SUBJECT TO FUTURE DETAILED DESIGN STAGE.
 6. LOCATION OF FRAM RAMP TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 7. LOCATION OF PROPERTY LOT DRIVEWAYS TO BE CONFIRMED AT DETAILED DESIGN STAGE.
 8. SUPERLOTS ARE SUBJECT TO SEPARATE FUTURE DA FOR SUBDIVISION.
 9. REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
 10. PRECINCT E T-INTERSECTION TO BE CONVERTED TO ROUNDABOUT (FINAL DESIGN SCENARIO). ROUNDABOUT SPLITTER ISLANDS AND ANNULUS TO BE CONSTRUCTED UNDER PRECINCT F & G WORKS.

Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018

1 : 250

KEY PLAN

Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
		Approved

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

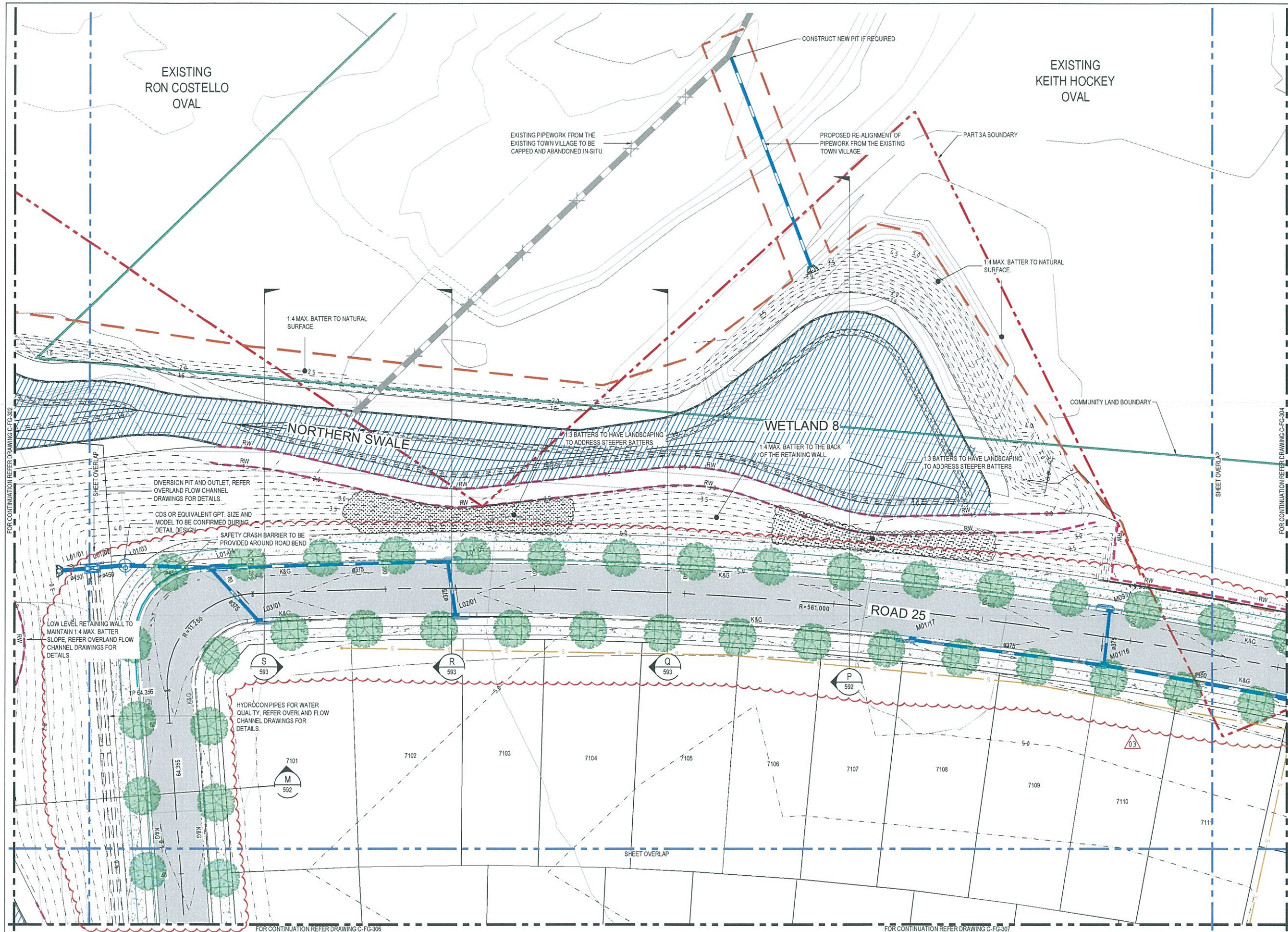
Title

**CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 2**

Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue
C-FG-302-10006310-02

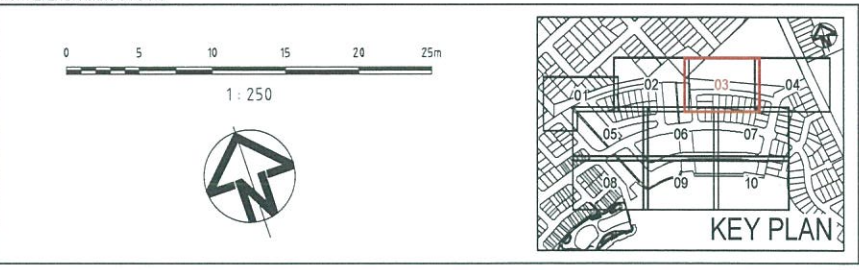


SITeworks & STORMwater LEGEND

- PROPOSED CONTOURS (0.25m INTERVALS)
- EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY/LIMIT OF WORKS
- PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- PROPOSED BARRIER KERB (REFER SCC DETAIL 7B21 SHEET 2)
- PROPOSED MEDIAN KERB
- PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- NOTES:**
1. REFER TO SHEET 002 FOR GENERAL NOTES.
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 9. REFER TO LANDSCAPE ARCHITECTS FOR FORESHORE DESIGN.
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Issue	Description	Date
03	ADDRESS COUNCIL'S COMMENTS	7/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M McDONALD
Height Datum	AHD	Designed GEVERETT
Gnd	MGA	Checked
		Approved

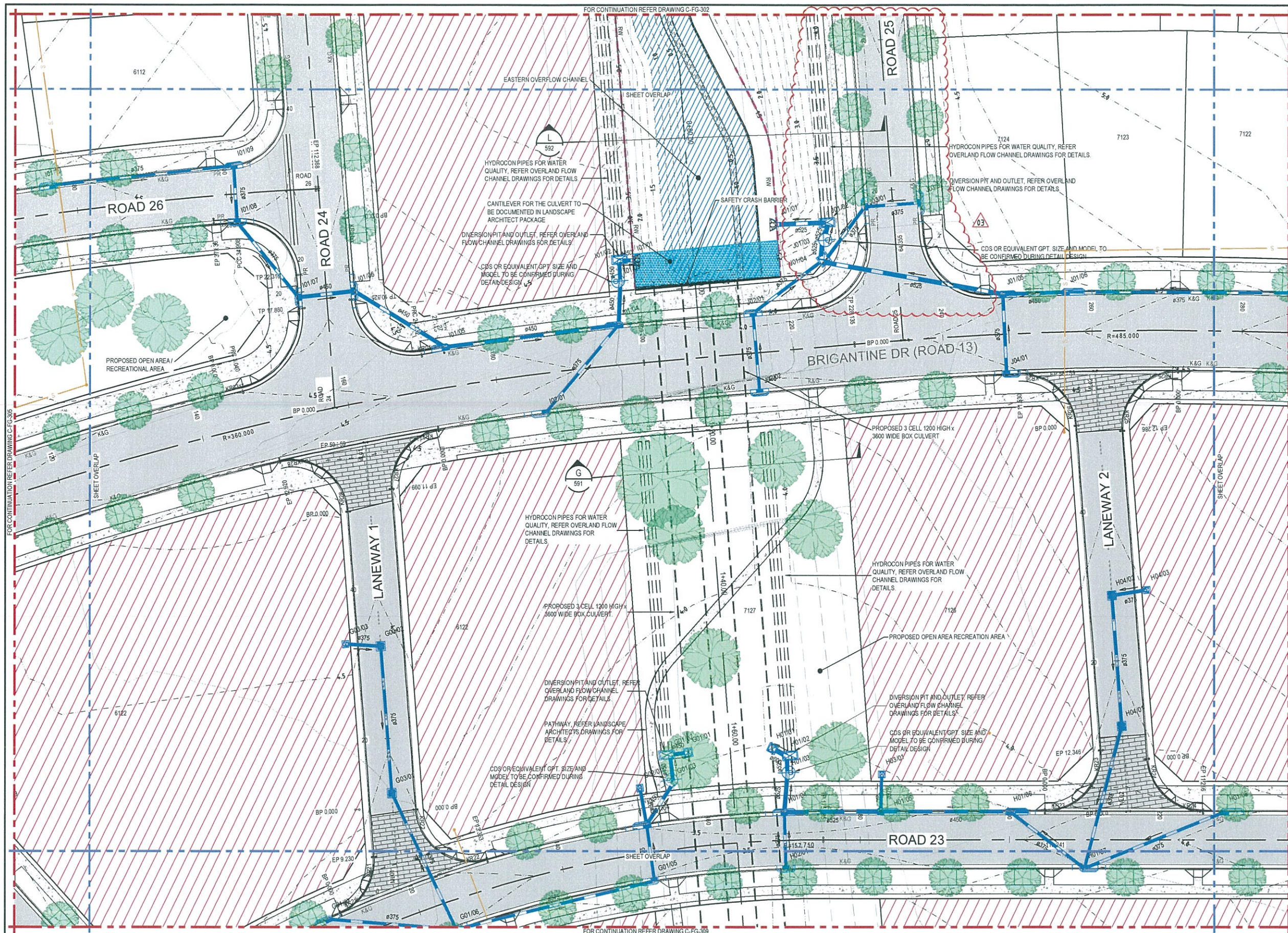
Project
**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

Title
**CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 3**

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arcadis.com

Drawing No. C-FG-303 - 03
Project No. 10006310 - 03
Issue

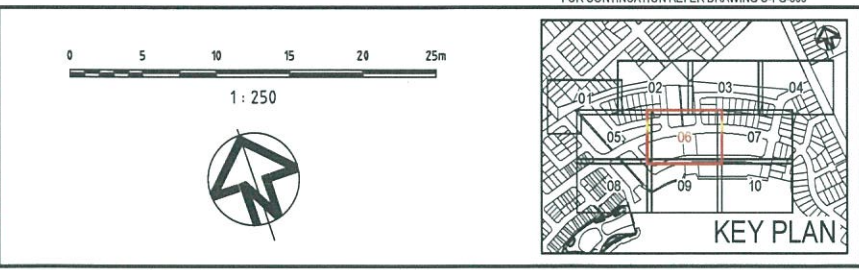


SITeworks & STORMWATER LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
- RW PROPOSED RETAINING WALL
- PART 3A BOUNDARY
- COMMUNITY LAND BOUNDARY
- K&G PROPOSED BARRIER KERB (REFER SCC DETAIL 7821 SHEET 2)
- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7821 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OF) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

- NOTES:**
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03	ADDRESS COUNCIL'S COMMENTS	7/10/2019
02	FINAL ISSUE	13/05/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018
Issue	Description	Date



Client

Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1:250	Current Issue Signatures
Original Size	A1	Drawn M.McDONALD
Height Datum	AHD	Designed G.EVERETT
Grid	MGA	Checked
		Approved

Project

**SHELL COVE
PRECINCT F AND G
AND WETLAND 08**

Title

**CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 6**

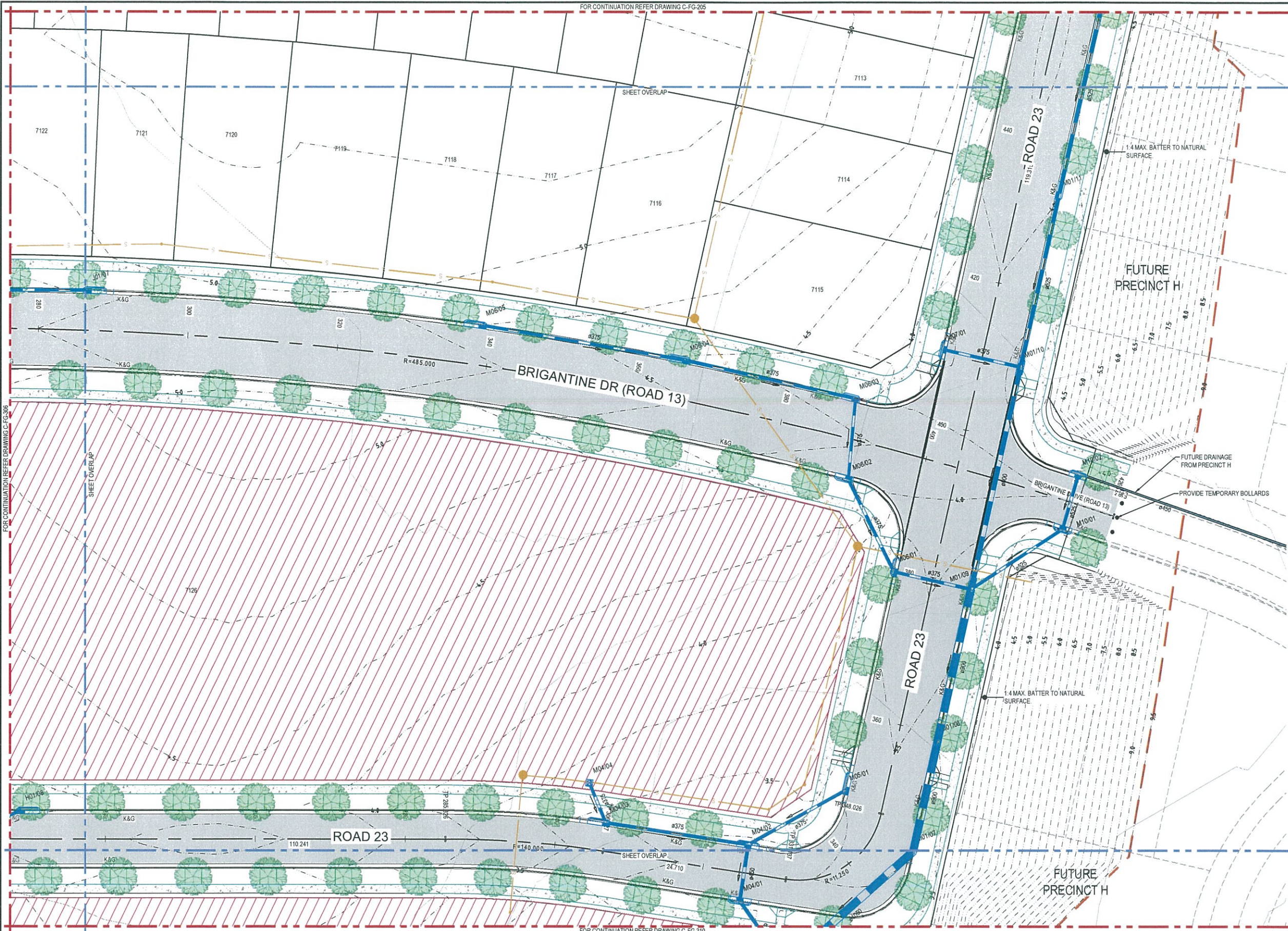
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. C-FG-306 Project No. 10006310 Issue 03

FOR CONTINUATION REFER DRAWING C-FG-205

FOR CONTINUATION REFER DRAWING C-FG-310



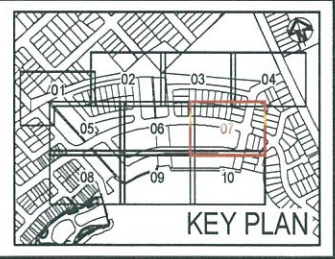
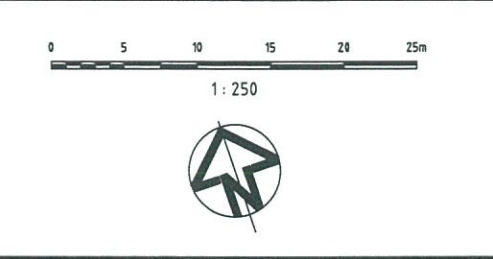
SITeworks & STORMWATER LEGEND

- 60.0 PROPOSED CONTOURS (0.25m INTERVALS)
- 60.0 EXISTING CONTOURS (0.25m INTERVALS)
- STAGE BOUNDARY / LIMIT OF WORKS
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- COMMUNITY LAND BOUNDARY
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- MK PROPOSED MEDIAN KERB
- DD PROPOSED DISH DRAIN
- PRAM RAMP (REFER SCC DETAIL 7B21 SHEET 1)
- PROPOSED TREE
- OUTLET WITH ENERGY DISSIPATOR / SCOUR PROTECTION
- PROPOSED STORMWATER DRAINAGE
- EXISTING STORMWATER DRAINAGE
- HYDROCON PIPES
- A06/01 PROPOSED PIT NUMBER
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED KERB INLET STORMWATER PIT (REFER CCC DETAIL SD-S06)
- PROPOSED STORMWATER PIT (REFER CCC DETAIL SD-S10)
- PROPOSED GROSS POLLUTANT TRAP
- PROPOSED JELLYFISH
- EXISTING STORMWATER PIPE / CULVERT
- A06/01 EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- APPROX. EXTENT OF PERMANENT WATER IN OVERLAND FLOW CHANNELS (OFC) AND SWALES
- PROPOSED PAVEMENT
- PROPOSED PAVEMENT
- SUPERLOTS HATCH

NOTES:

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Issue	Description	Date
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Client

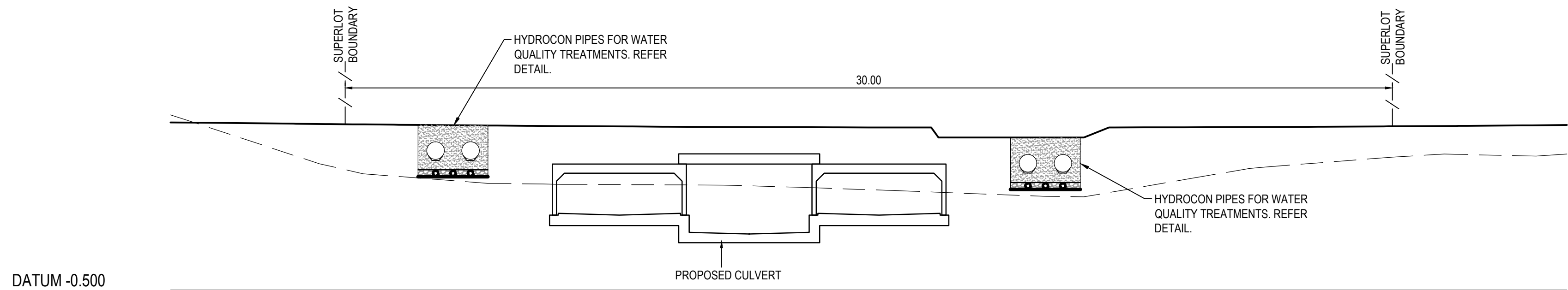
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Scales	1:250	Current Issue Signatures
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Height Datum	AHD	Designed G EVERETT
Grid	MGA	Checked
File	Approved	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 7

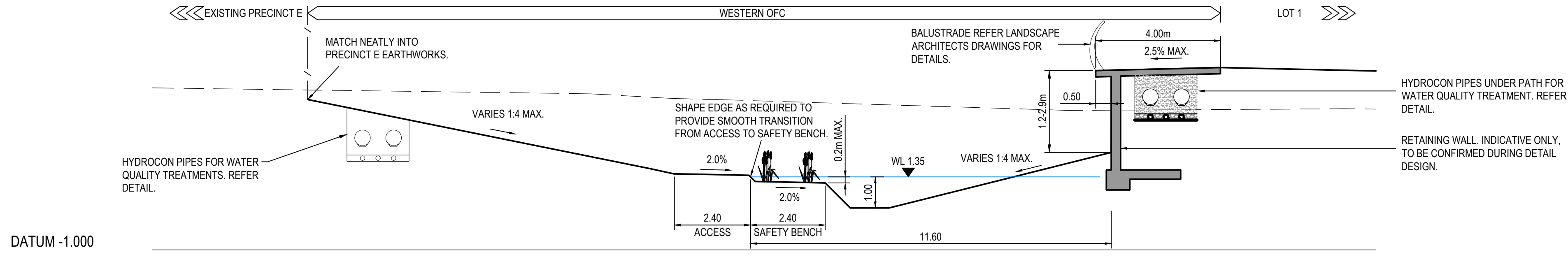
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289

Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

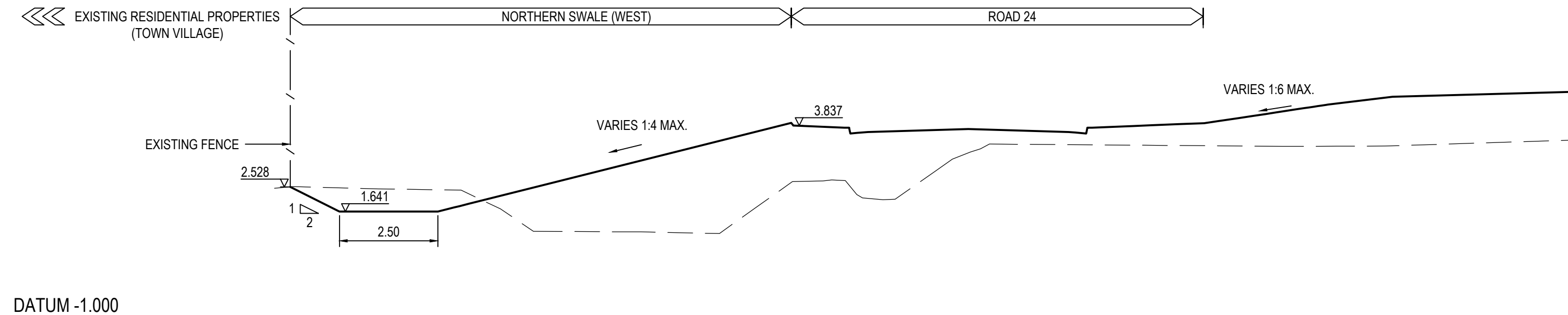
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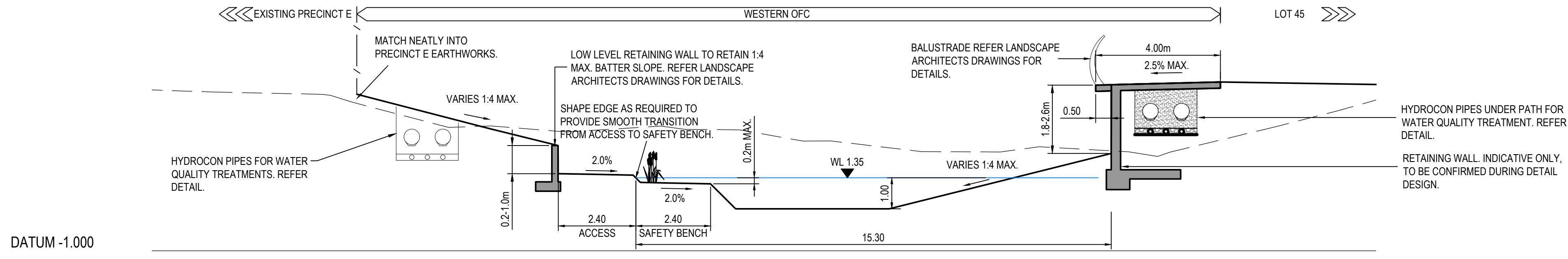
SECTION G - REFER SHEET 306
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100



SECTION H - REFER SHEET 301
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

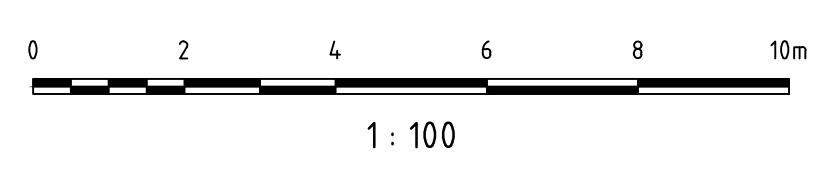


SECTION J - REFER SHEET 301
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100



SECTION K - REFER SHEET 308
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

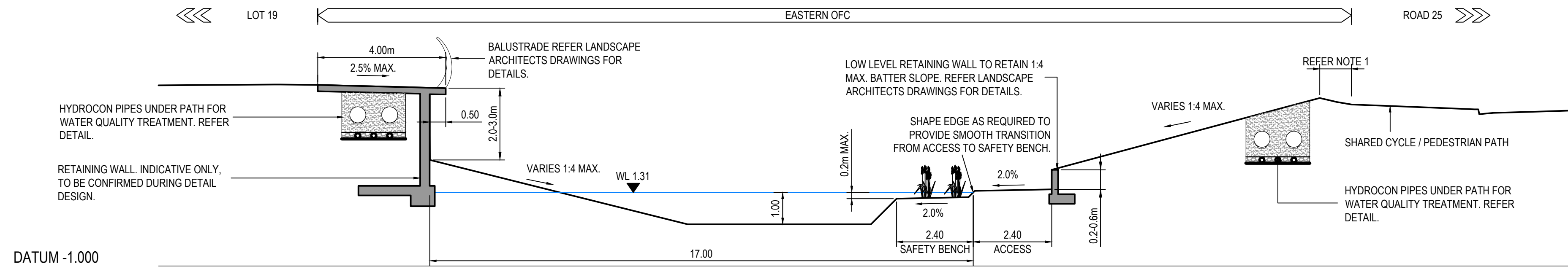
Issue	Description	Date
04	COUNCIL COMMENTS ADDRESSED AND WALL DIMENSIONS ADDED	09/12/2019
03	COUNCIL COMMENTS ADDRESSED	09/12/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000
Original Size	A1
Height Datum	AHD
Grid	MGA
Current Issue Signatures	
Drawn	A.ZHAO
Designed	J.WOOD
Checked	J.HEYDON
Approved	J.HEYDON

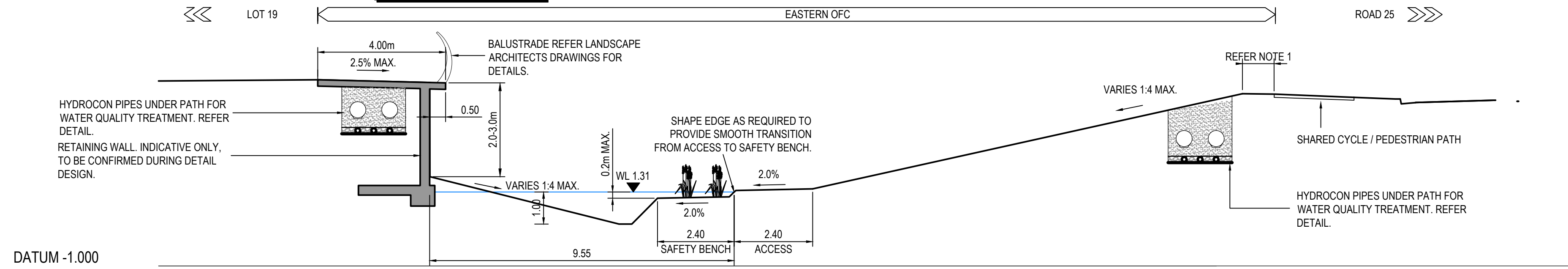
Project SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 1	
Drawing No.	Project No.
C-FG-591	10006310
Issue	04

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Fax No: +61 2 8907 9001
arcadis.com



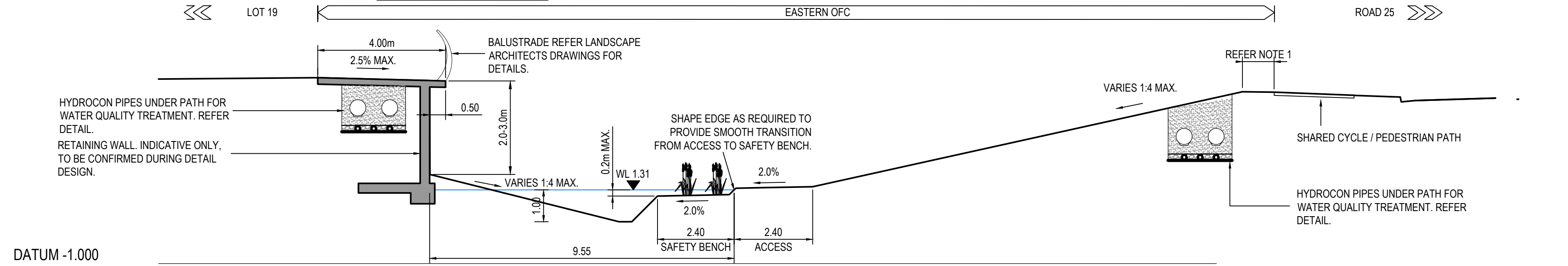
SECTION L - REFER SHEET 306
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.



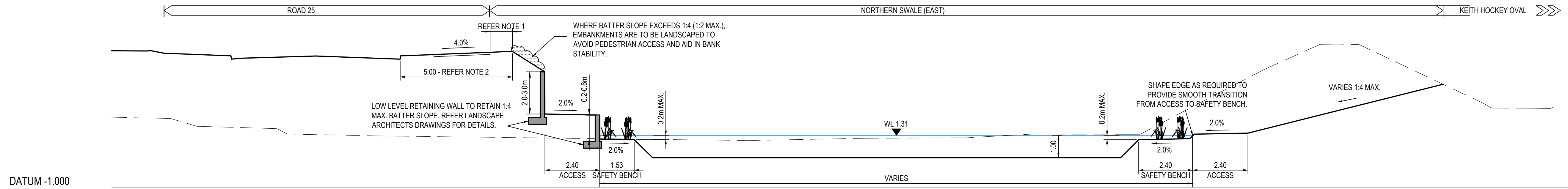
SECTION M - REFER SHEET 302
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.



SECTION N - REFER SHEET 302
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.

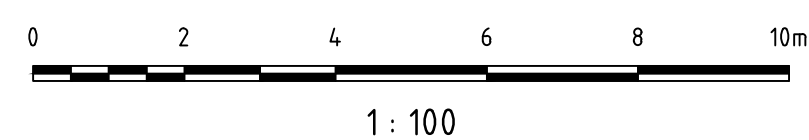


SECTION P - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.

NOTES:

1. AUSTRROADS GUIDE TO ROAD DESIGN PART 6A: PEDESTRIAN AND CYCLIST PATHS REQUIRES A MINIMUM 1.0m EXTENSION OF THE PATH CROSS FALL BEFORE THE TRANSITION TO A BATTER WITH A SLOPE GREATER THAN 1v:5h. IF THIS EXTENSION IS OMITTED THE BATTER SLOPE IS TO BE FLATTENED TO 1v:5h MAX. OR A BARRIER IS TO BE PROVIDED.
2. AUSTRROADS GUIDE TO ROAD DESIGN PART 6: ROADSIDE DESIGN, SAFETY AND BARRIERS, REQUIRES A MINIMUM 3.0m WIDTH OF CLEAR ZONE FROM THE EDGE OF THE TRAVELLED WAY IF THE SLOPE ADJACENT TO THE TRAVELLED WAY IS 1v:6h OR FLATTER.



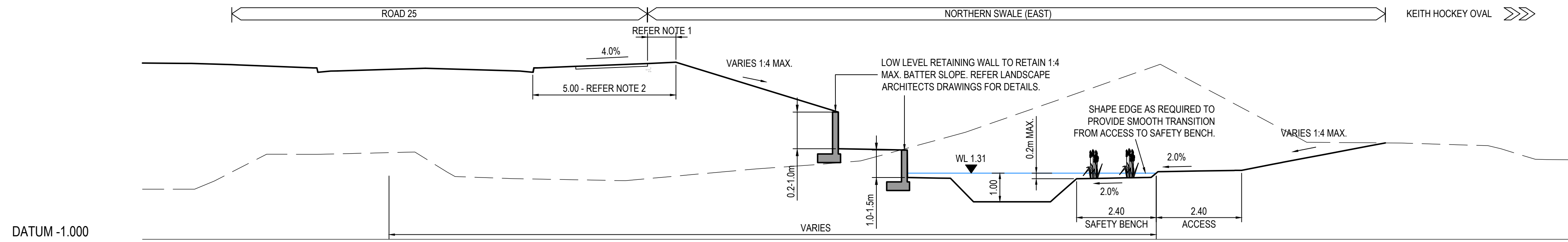
Issue	Description	Date
04	COUNCIL COMMENTS ADDRESSED AND WALL DIMENSIONS ADDED	09/12/2019
03	ADDRESS COUNCIL'S COMMENTS	07/02/2019
02	FINAL ISSUE	13/06/2018
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000
Original Size	A1
Height Datum	AHD
Grid	MGA
Current Issue Signatures	
Drawn	A.ZHAO
Designed	J.WOOD
Checked	J.HEYDON
Approved	J.HEYDON
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Project SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 2	
Drawing No.	Project No.
C-FG-592	10006310
Issue	04

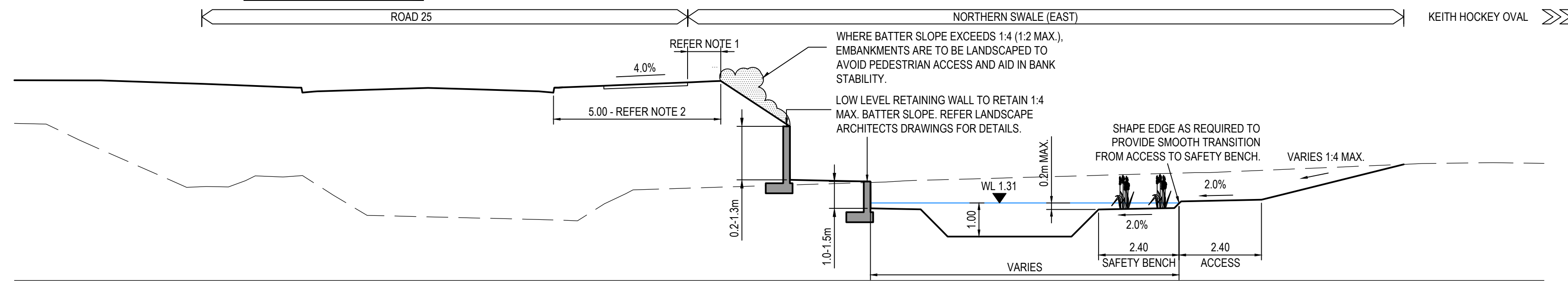
Arcadis Australia Pacific Pty Limited
Level 16, 580 George Street
SYDNEY NSW 2000
ABN 76 104 485 289
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com



DATUM -1.000

SECTION Q - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

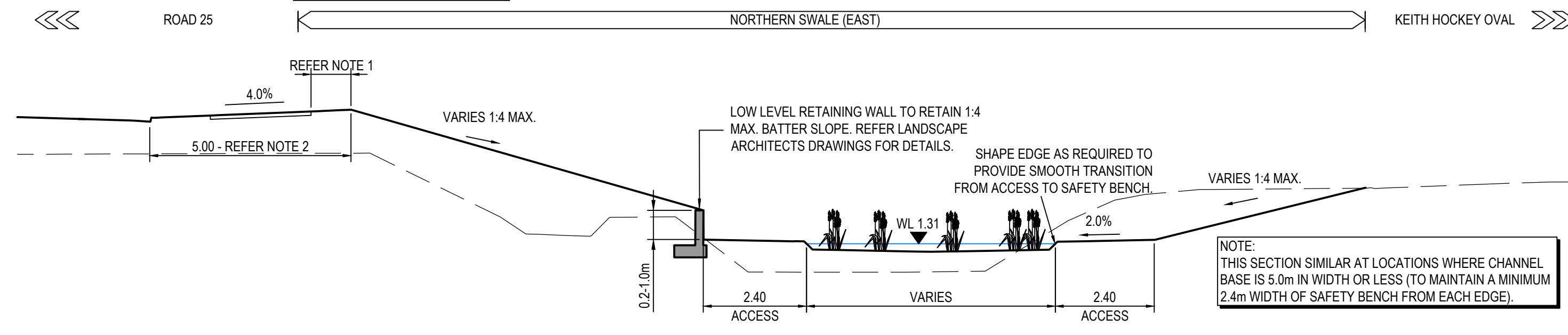
NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.



DATUM -1.000

SECTION R - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

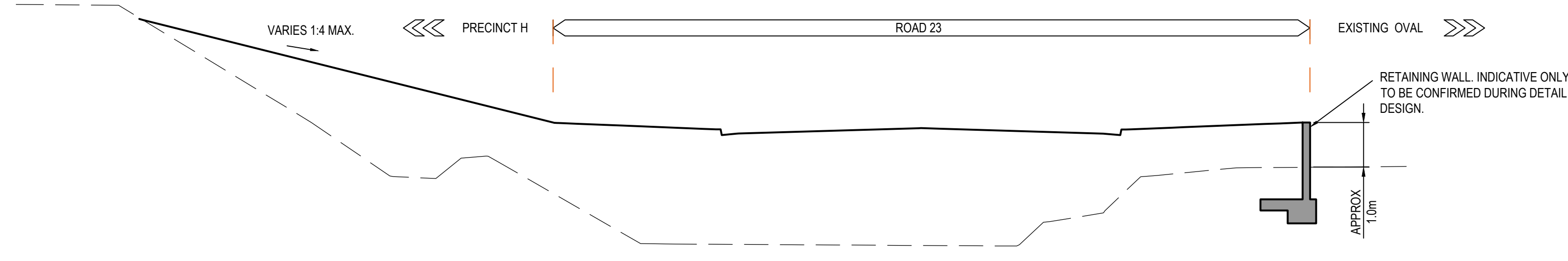
NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.



DATUM -1.000

SECTION S - REFER SHEET 303
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTE:
REFER FLOOD REPORT PREPARED
BY ADVISIAN FOR POTENTIAL FLOOD
LEVELS WITHIN THE SWALE.



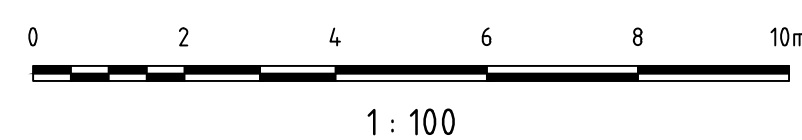
DATUM 0.000

SECTION T - REFER SHEET XXXXXX
HORIZONTAL SCALE 1:100
VERTICAL SCALE 1:100

NOTES:

1. AUSTRADS GUIDE TO ROAD DESIGN PART 6A: PEDESTRIAN AND CYCLIST PATHS REQUIRES A MINIMUM 1.0m EXTENSION OF THE PATH CROSS FALL BEFORE THE TRANSITION TO A BATTER WITH A SLOPE GREATER THAN 1v5h. IF THIS EXTENSION IS OMITTED THE BATTER SLOPE IS TO BE FLATTENED TO 1v5h MAX. OR A BARRIER IS TO BE PROVIDED.
2. AUSTRADS GUIDE TO ROAD DESIGN PART 6: ROADSIDE DESIGN, SAFETY AND BARRIERS, REQUIRES A MINIMUM 3.0m WIDTH OF CLEAR ZONE FROM THE EDGE OF THE TRAVELLED WAY IF THE SLOPE ADJACENT TO THE TRAVELLED WAY IS 1v6h OR FLATTER.

Issue	Description	Date
03	COUNCIL COMMENTS ADDRESSED AND WALL DIMENSIONS ADDED	09/12/2019
02	ADDRESS COUNCIL'S COMMENTS	07/02/2019
01	ISSUED FOR CLIENT REVIEW	17/05/2018



Status	PRELIMINARY ONLY NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 1000	Current Issue Signatures
Original Size	A1	Designed J.WOOD
Height Datum	AHD	Checked J.HEYDON
Grid	MGA	Approved J.HEYDON
File Path	C:\p\593-10006310-nsd-OverlandFlowChannelsSectionsAndDetailsSheet3.dwg	

Project	SHELL COVE PRECINCT F AND G AND WETLAND 08	
Title	OVERLAND FLOW CHANNELS SECTIONS AND DETAILS SHEET 3	
Drawing No.	Project No.	Issue
C-FG-593	10006310	03

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