

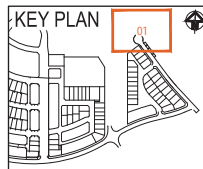
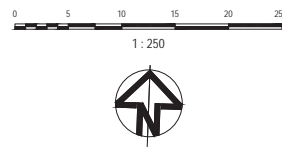
LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPERLOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUBDIVISION.

NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
- SUBSIDOR DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



Client



Status	
DEVELOPMENT APPLICATION NOT TO BE USED FOR CONSTRUCTION	
Scales	Current Issue Signatures
1: 250	Drawn
Original Size	Designed
Height	Checked
Datum	Approved
Grid	
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Project

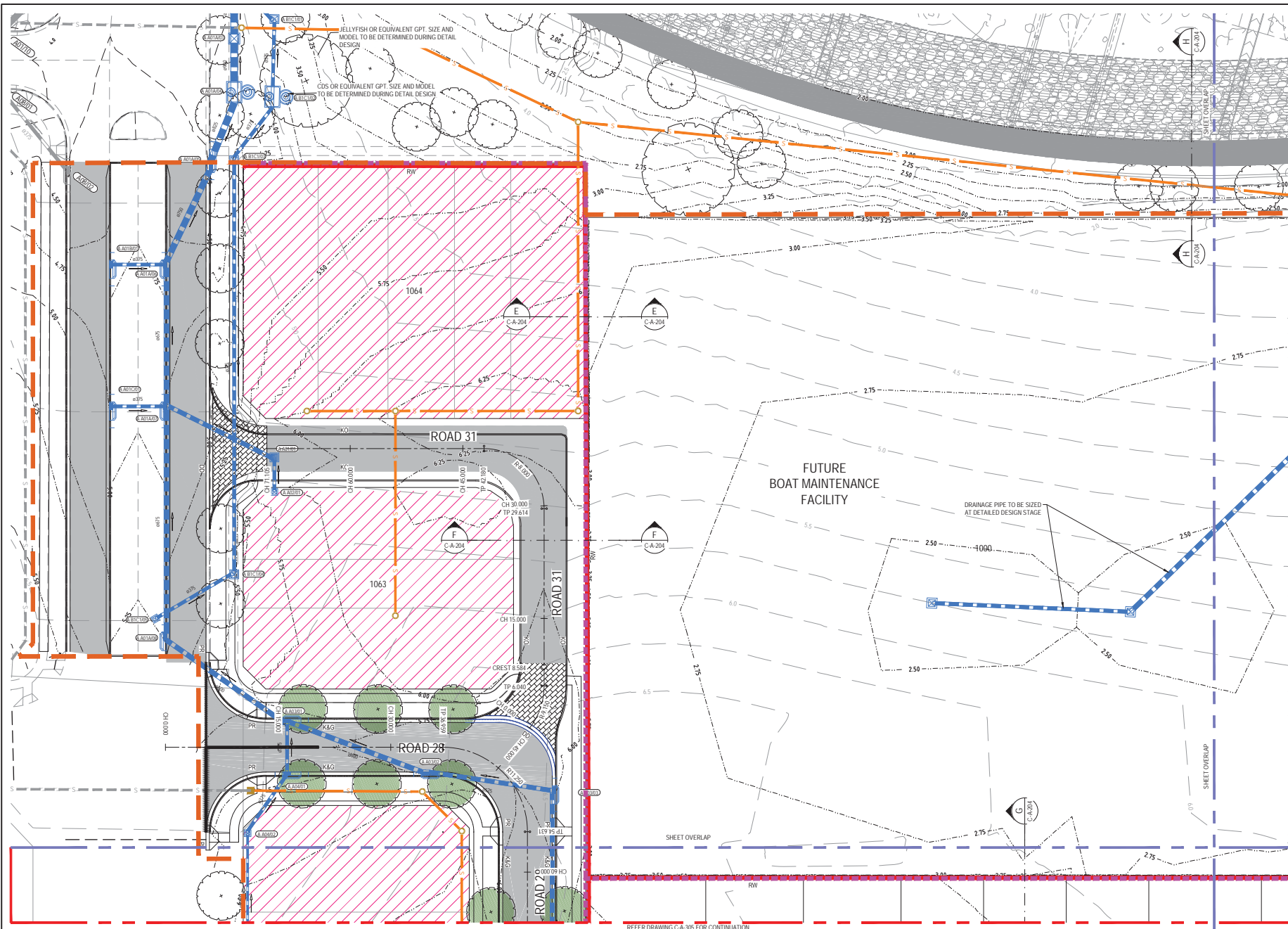
SHELL COVE
PRECINCT A

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

Drawing No.	Project No.	Issue
C-A-301	10006310	04



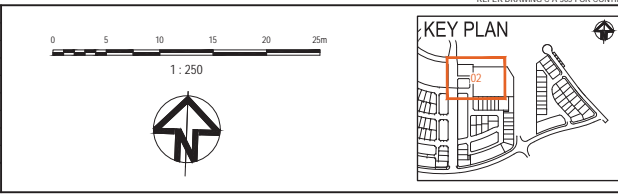
LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPERLOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUBDIVISION.

NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
- SUBSOL DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
05	UPDATED FOR CLIENT COMMENTS	07/08/2018
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	07/11/2017

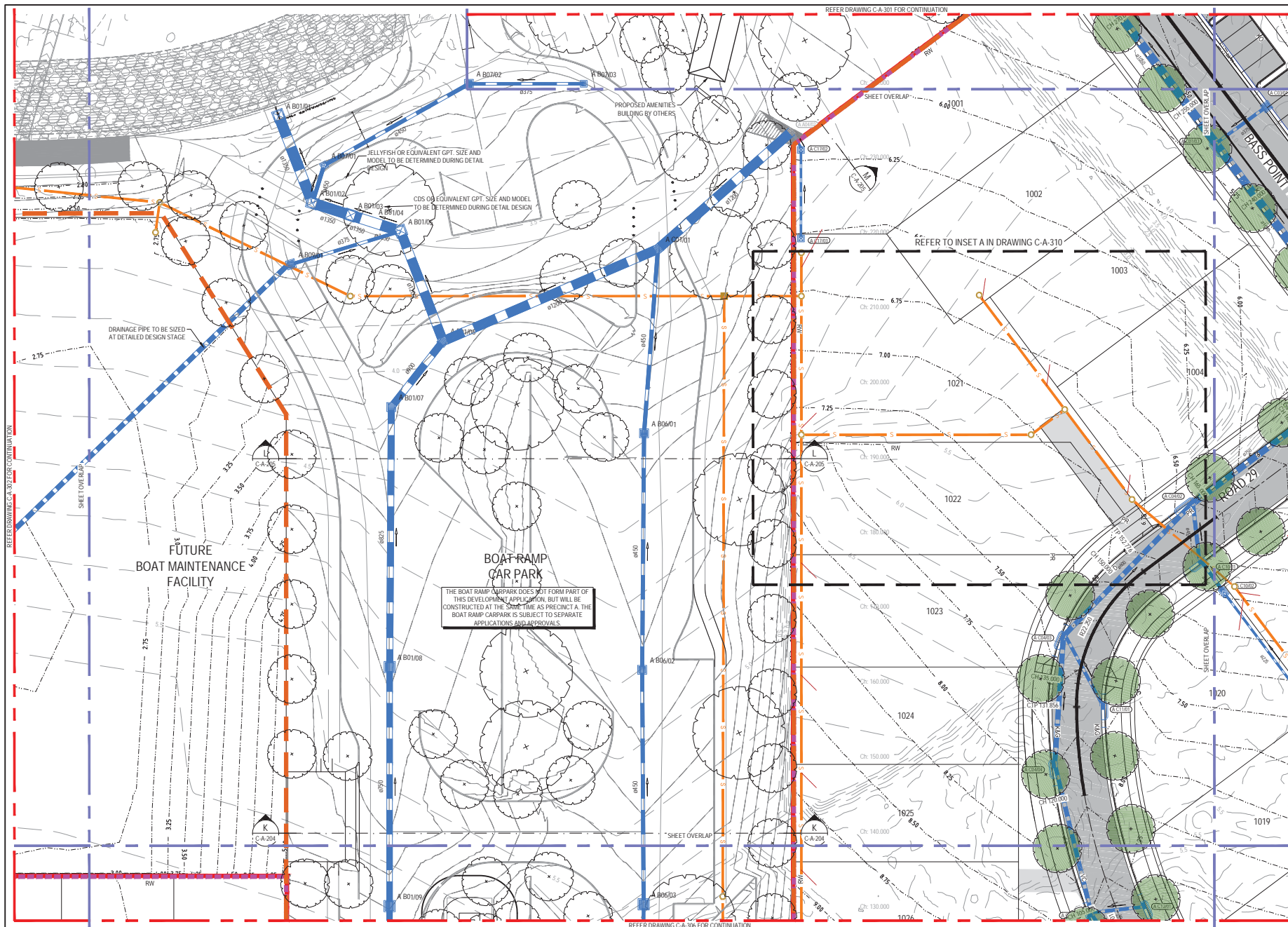


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Original Size A1	Height AHD
Datum MGA	File Name 10006310-rd-CivilWorksAndStormwaterDrainagePlansSheet2.dwg

Project SHELL COVE PRECINCT A	Title CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 2
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Arcadis Australia Pacific Pty Limited
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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-A-302 | 10006310 | 05



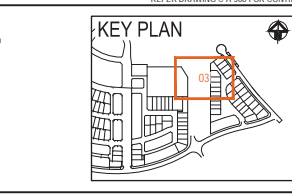
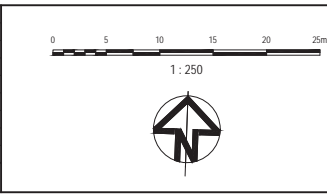
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- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPERLOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUBDIVISION.

NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
- SUBSIDIARY DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
05	UPDATED FOR CLIENT COMMENTS	07/08/2018
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



Client

FRASERS PROPERTY

Status	DEVELOPMENT APPLICATION NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn
Height	AHD	Designed
Datum	MGA	Checked
Grid	MGA	Approved
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Project

SHELL COVE
PRECINCT A

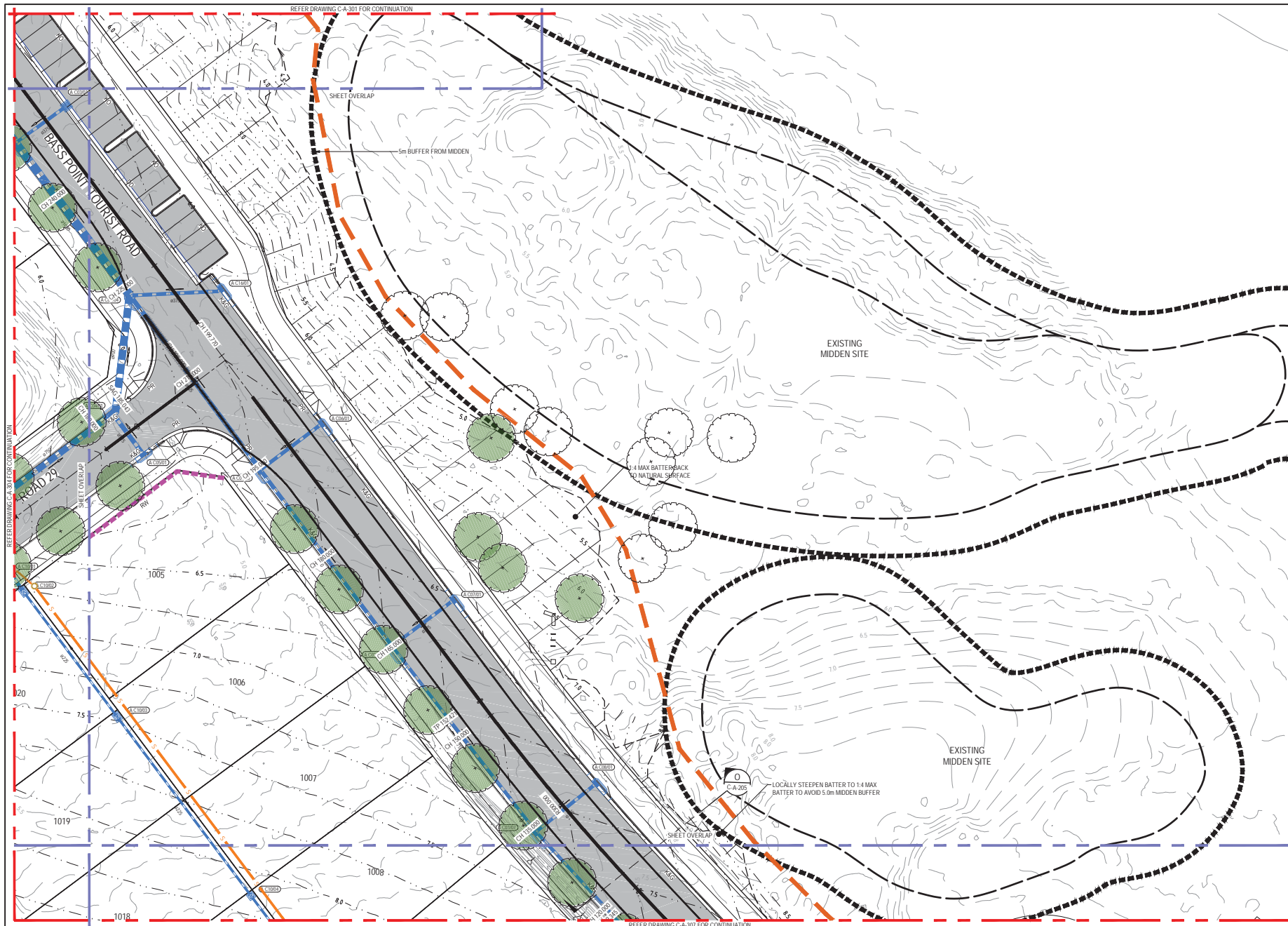
Title

CIVIL WORKS AND
STORMWATER DRAINAGE PLANS
SHEET 3

Arcadis Australia Pacific Pty Limited
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SYDNEY NSW 2000
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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. | Project No. | Issue

C-A-303 | 10006310 | 05



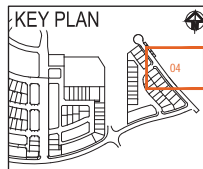
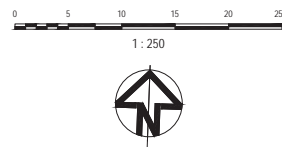
LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
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- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPERLOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUBDIVISION.

NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
- SURFACE DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



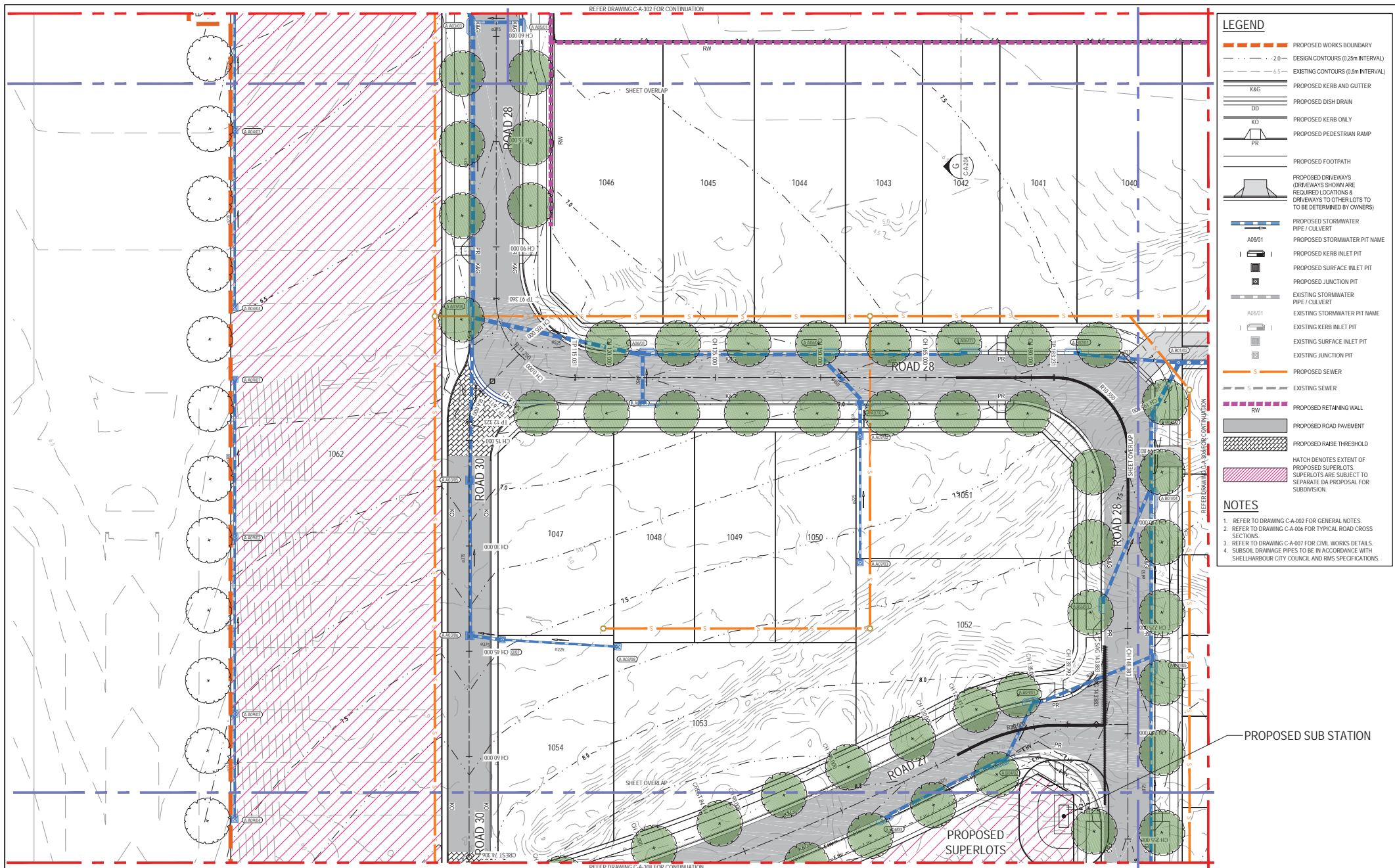
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Scales 1 : 250	Current Issue Signatures
Original Size A1	Drawn M.FORTU
Height A4D	Designed G.EVERETT
Datum MGA	Checked
Grid	Approved

Project SHELL COVE PRECINCT A
Title CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 4

ARCADIS

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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-A-304	Project No. 10006310	Issue 04
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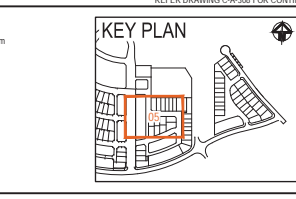
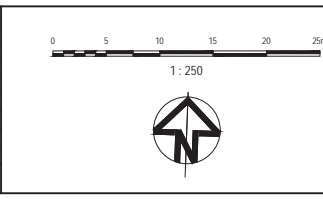
LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
- HATCH DENOTES EXTENT OF PROPOSED SUPERLOTS. SUPERLOTS ARE SUBJECT TO SEPARATE DA PROPOSAL FOR SUBDIVISION.

NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
- SURFACE DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



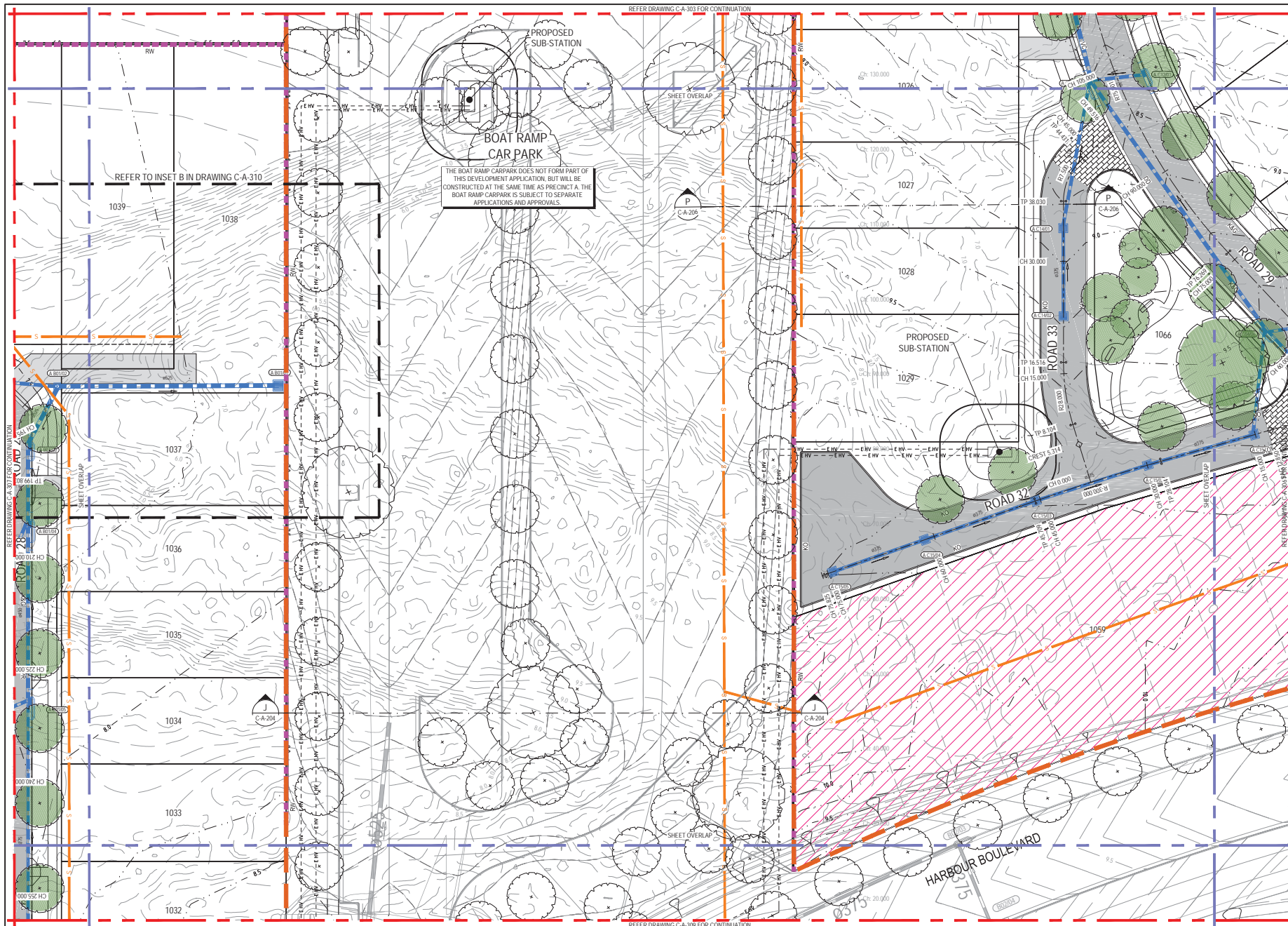
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Original Size A1	Drawn M.FORTU
Height A4D	Designed G.EVERETT
Datum MGA	Checked
	Approved
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Project SHELL COVE PRECINCT A	Title CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 5
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ARCADIS

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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. C-A-305
Project No. 10006310
Issue 04



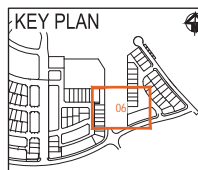
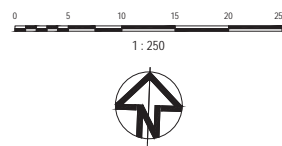
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- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
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- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
- PROPOSED ROAD PAVEMENT
- PROPOSED RAISE THRESHOLD
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NOTES

- REFER TO DRAWING C-A-002 FOR GENERAL NOTES.
- REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.
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- SURFACE DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	21/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017

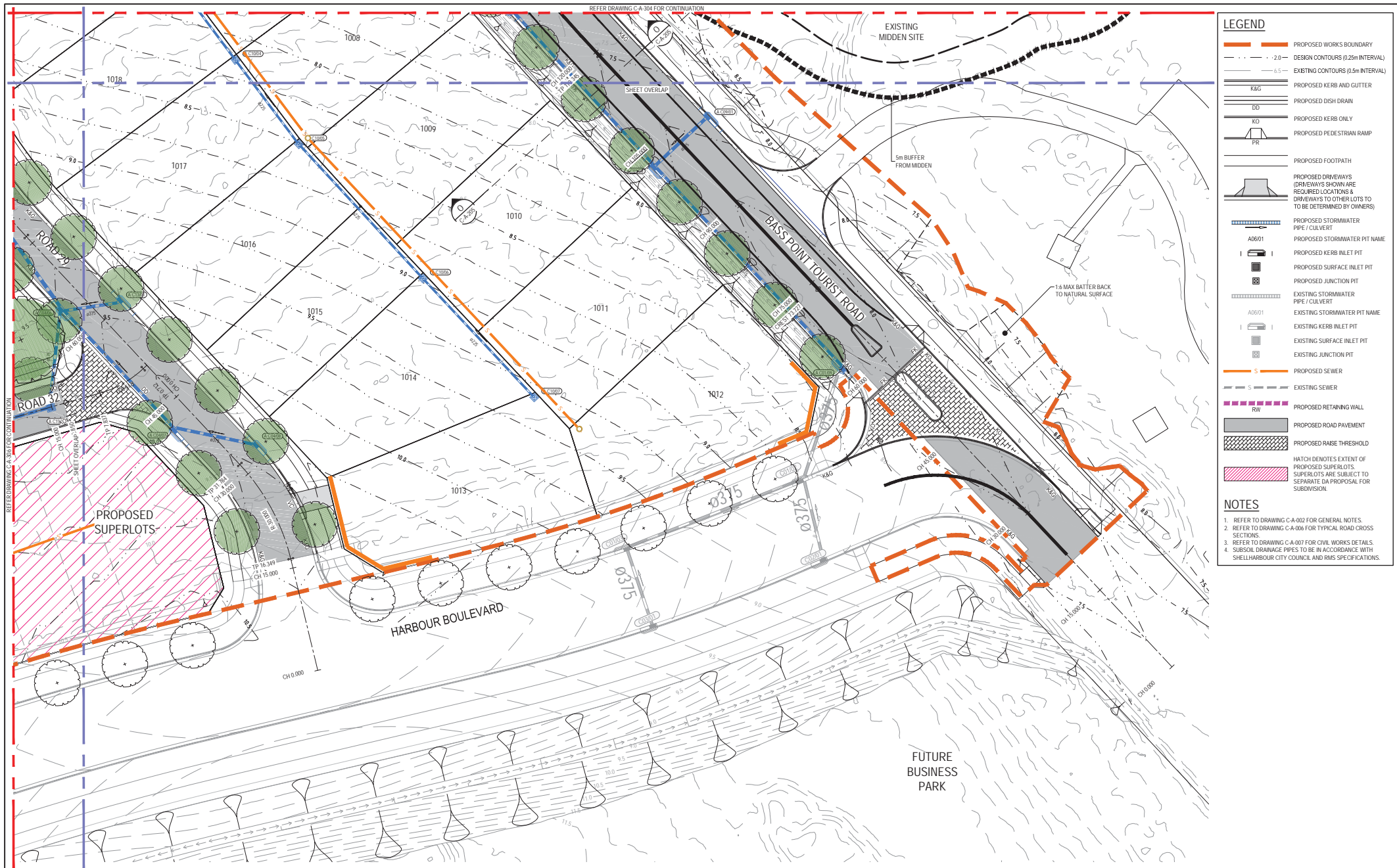


Status	DEVELOPMENT APPLICATION NOT TO BE USED FOR CONSTRUCTION
Scales	1:250
Original Size	A1
Height	AHD
Datum	MGA
Grid	MGA
Current Issue Signatures	Drawn M.FORTU Designed G.EVERETT Checked Approved

Project	SHELL COVE PRECINCT A
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 6

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

Drawing No. C-A-306
Project No. 10006310
Issue 04



LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
- PROPOSED KERB ONLY
- PROPOSED PEDESTRIAN RAMP
- PROPOSED FOOTPATH
- PROPOSED DRIVEWAYS (DRIVEWAYS SHOWN ARE REQUIRED LOCATIONS & DRIVEWAYS TO OTHER LOTS TO BE DETERMINED BY OWNERS)
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- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
- PROPOSED RETAINING WALL
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NOTES

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- SURFACE DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

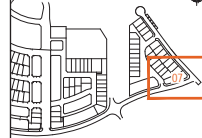
Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017

0 5 10 15 20 25m

1 : 250



KEY PLAN



Client



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

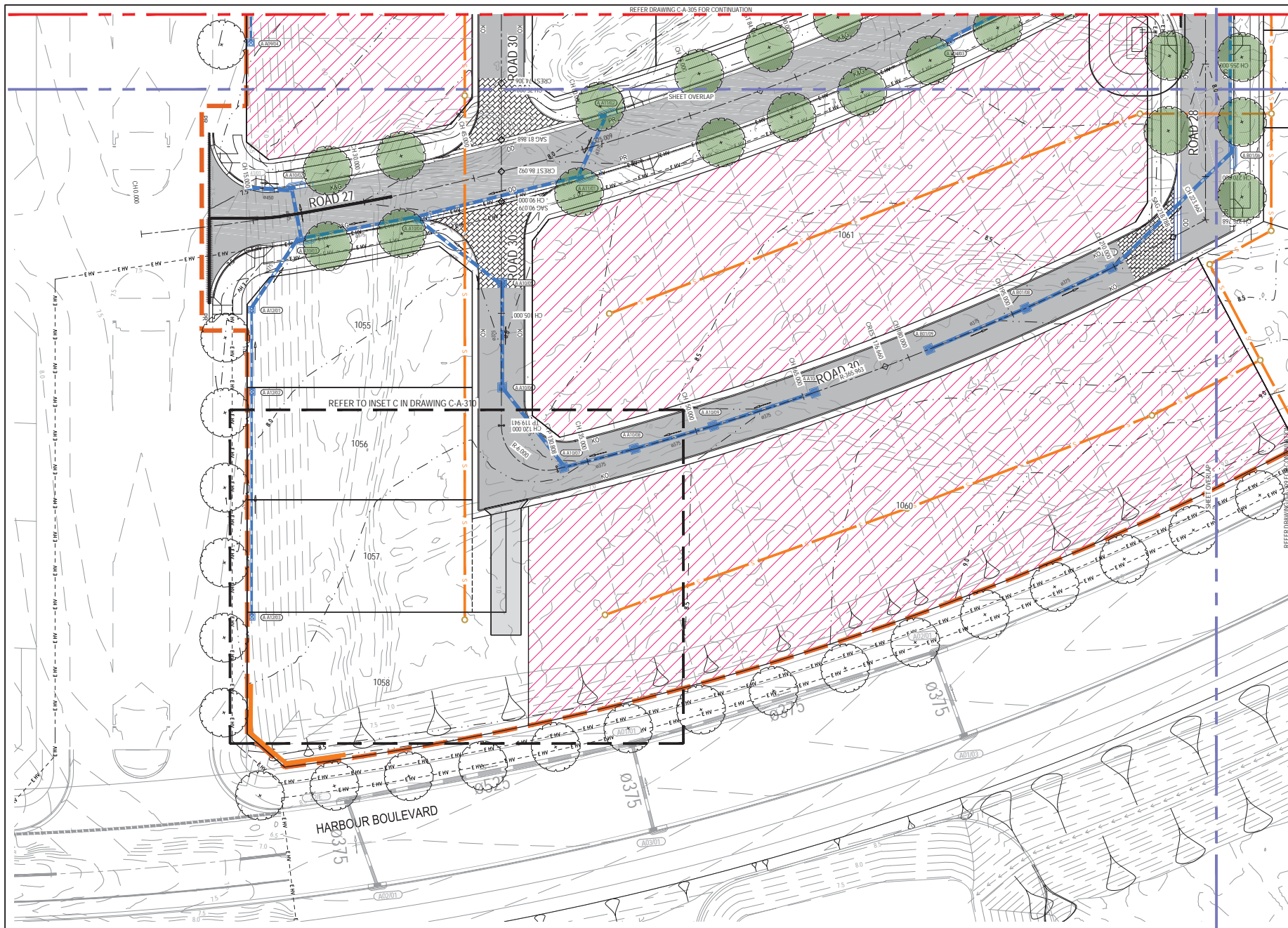
Project

SHELL COVE
PRECINCT A

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		
Drawing No.	Project No.	Issue
C-A-307	10006310	04



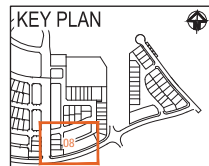
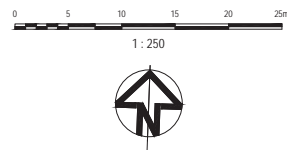
LEGEND

- PROPOSED WORKS BOUNDARY
- DESIGN CONTOURS (0.25m INTERVAL)
- EXISTING CONTOURS (0.5m INTERVAL)
- PROPOSED KERB AND GUTTER
- PROPOSED DISH DRAIN
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- PROPOSED STORMWATER PIPE / CULVERT
- PROPOSED STORMWATER PIT NAME
- PROPOSED KERB INLET PIT
- PROPOSED SURFACE INLET PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIPE / CULVERT
- EXISTING STORMWATER PIT NAME
- EXISTING KERB INLET PIT
- EXISTING SURFACE INLET PIT
- EXISTING JUNCTION PIT
- PROPOSED SEWER
- EXISTING SEWER
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- REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.
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Issue	Description	Date
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



Client

FRASERS PROPERTY

Status	
DEVELOPMENT APPLICATION NOT TO BE USED FOR CONSTRUCTION	
Scales	Current Issue Signatures
1: 250	Drawn
Original Size	Designed
Height	Checked
Datum	Approved
Grid	MGA

Project

SHELL COVE PRECINCT A

Title

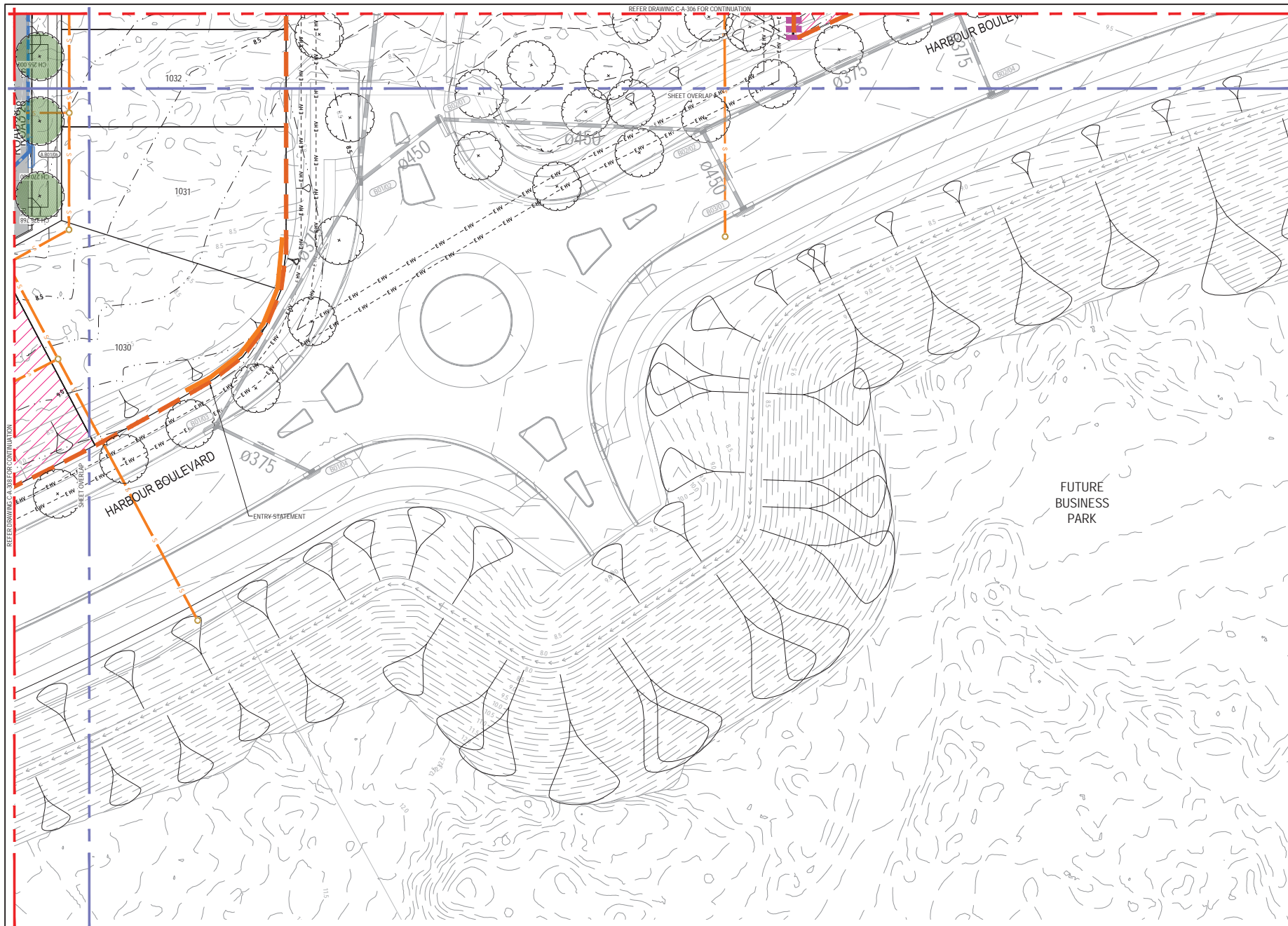
CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 8

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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

C-A-308 10006310 03



LEGEND

PROPOSED WORKS BOUNDARY

DESIGN CONTOURS (0.25m INTERVAL)

EXISTING CONTOURS (0.5m INTERVAL)

PROPOSED KERB AND GUTTER

PROPOSED DISH DRAIN

PROPOSED KERB ONLY

PROPOSED PEDESTRIAN RAMP

PROPOSED FOOTPATH

PROPOSED DRIVEWAYS
(DRIVEWAYS SHOWN ARE
REQUIRED LOCATIONS &
DRIVEWAYS TO OTHER LOTS TO
BE DETERMINED BY OWNERS)

PROPOSED STORMWATER
PIPE / CULVERT

PROPOSED STORMWATER PIT NAME

PROPOSED KERB INLET PIT

PROPOSED SURFACE INLET PIT

PROPOSED JUNCTION PIT

EXISTING STORMWATER
PIPE / CULVERT

EXISTING STORMWATER PIT NAME

EXISTING KERB INLET PIT

EXISTING SURFACE INLET PIT

EXISTING JUNCTION PIT

PROPOSED SEWER

EXISTING SEWER

PROPOSED RETAINING WALL

PROPOSED ROAD PAVEMENT

PROPOSED RAISE THRESHOLD

HATCH DENOTES EXTENT OF
PROPOSED SUPERLOTS.
SUPERLOTS ARE SUBJECT TO
SEPARATE DA PROPOSAL FOR
SUBDIVISION.

NOTES

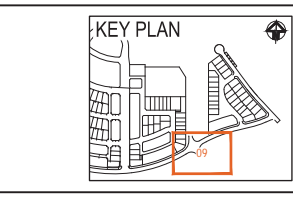
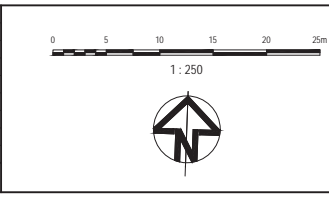
1. REFER TO DRAWING C-A-002 FOR GENERAL NOTES.

2. REFER TO DRAWING C-A-006 FOR TYPICAL ROAD CROSS SECTIONS.

3. REFER TO DRAWING C-A-007 FOR CIVIL WORKS DETAILS.

4. SURFACE DRAINAGE PIPES TO BE IN ACCORDANCE WITH SHELLHARBOUR CITY COUNCIL AND RMS SPECIFICATIONS.

Issue	Description	Date
04	UPDATED FOR COUNCIL COMMENTS	22/04/2018
03	UPDATED FOR COUNCIL COMMENTS	15/04/2018
02	DEVELOPMENT APPLICATION	24/11/2017
01	ISSUED FOR CLIENT REVIEW	01/11/2017



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

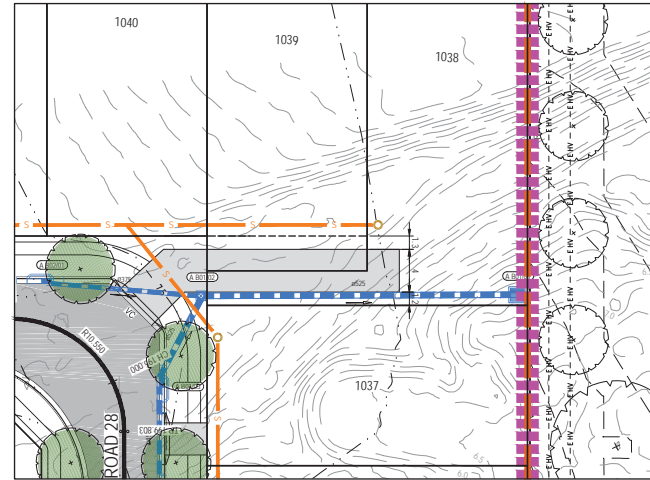
Project	SHELL COVE PRECINCT A
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 9

Arcadis Australia Pacific Pty Limited
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SYDNEY NSW 2000
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arcadis.com

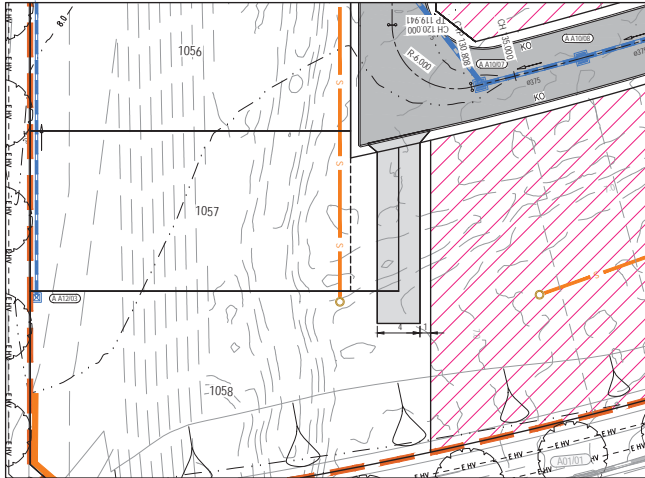
Drawing No.	Project No.	Issue
C-A-309	10006310	04



INSET A

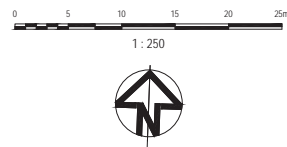


INSET B



INSET C

Issue	Description	Date
02	UPDATED FOR COUNCIL COMMENTS	23/04/2018
01	UPDATED FOR COUNCIL COMMENTS	15/06/2018



Status DEVELOPMENT APPLICATION NOT TO BE USED FOR CONSTRUCTION		
Scales	1 : 250	Current Issue Signatures
Original Size	A1	Drawn M.FORTU
Height	AHD	Designed G.EVERETT
Datum	MGA	Checked
Grid	MGA	Approved
File Name: F:\AA006310E-CADIC-ChilD-FinalID-Precinct A\c-a-310-10006310-rsd-CivilWorksAndStormwaterDrainagePlansSheet10.dwg		

Project	SHELL COVE PRECINCT A
Title	CIVIL WORKS AND STORMWATER DRAINAGE PLANS SHEET 10

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-A-310	10006310	02