

AMITY POINT FLOW SLIDE BARRIER

DRAWING NUMBER	DRAWING TITLE
WT-ZZ-XX-DR-C-0000	COVER SHEET
WT-ZZ-XX-DR-C-0001	OVERLAY MAP
WT-ZZ-XX-DR-C-0002	ZONE 1
WT-ZZ-XX-DR-C-0003	ZONE 2
WT-ZZ-XX-DR-C-0004	ZONE 3
WT-ZZ-XX-DR-C-0005	ZONE 4
WT-ZZ-XX-DR-C-0006	ZONE 5
WT-ZZ-XX-DR-C-0007	ZONE 6
WT-ZZ-XX-DR-C-0008	ZONE 7
WT-ZZ-XX-DR-C-0009	ZONE 8
WT-ZZ-XX-DR-C-0010	ZONE 9
WT-ZZ-XX-DR-C-0011	ZONE 10
WT-ZZ-XX-DR-C-0012	ZONE 11
WT-ZZ-XX-DR-C-0013	ZONE 12
WT-ZZ-XX-DR-C-0014	ZONE 13
WT-ZZ-XX-DR-C-0015	ZONE 14
WT-ZZ-XX-DR-C-0016	ZONE 15
WT-ZZ-XX-DR-C-0017	ZONE 16
WT-ZZ-XX-DR-C-0018	ZONE 17
WT-ZZ-XX-DR-C-0019	TYPICAL CROSS SECTION A
WT-ZZ-XX-DR-C-0020	TYPICAL CROSS SECTION B
WT-ZZ-XX-DR-C-0021	TYPICAL CROSS SECTION C

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE RELATIVE TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.
- THE SHOWN EXTENT OF THE EXISTING FLOW SLIDE BARRIER IS BASED ON EXTENSIVE GEOPHYSICAL INVESTIGATIONS COMMISSIONED BY REDLAND CITY COUNCIL TO MAP THE EXTENT OF THE BURIED ROCK IN THE FORESHORE. THE GEOPHYSICAL INVESTIGATIONS (GOLDER & ASSOCIATES, 2016 & 2017) UTILISED THE COMBINED FINDINGS OF LAND-BASED SURVEY METHODS OF MULTI-CHANNEL ANALYSIS OF SURFACE WAVES (MASW), ELECTROMAGNETIC (EM), AND GROUND PENETRATING RADAR (GPR), AS WELL AS THE OVERWATER SURVEY TECHNIQUES OF SUB-BOTTOM PROFILING (SBP) AND SIDE SCAN SONAR (SSS). THE GEOPHYSICAL SURVEY DID NOT CAPTURE THE FULL EXTENT OF THE EXISTING FLOW SLIDE BARRIER. THE SURVEY ALSO WAS UNDERTAKEN 5 YEARS BEFORE DELIVERY OF THESE DRAWINGS, AND IT IS KNOWN THAT ROCK HAS SLUMPED AND ADDITIONAL ROCK HAS BEEN PLACED SINCE THIS SURVEY. THE FOOTPRINT SHOWN IS THEREFORE A BEST ESTIMATE FOR APPROVALS PURPOSES.
- MINIMUM BUFFER ZONE TO BE 3.5m WIDE TO ALLOW ACCESS FOR MAINTENANCE AND ROCK STOCKPILING. RECOMMENDED THAT TYPICAL ADDITIONAL BUFFER ZONE OF 3.5m (TOTAL 7m) BE IMPLEMENTED TO ALLOW FOR TRUCK TO MANEUVER WHEN DUMPING ROCK.

NOTES

NOT FOR
CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT



BIM REF.

22010367-WT-ZZ-XX-DR-C-0000

TITLE

COVER SHEET



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF.
		AT A3	AS SHOWN
			22010367-01-0000
DRAWING No.	WT-ZZ-XX-DR-C-0000	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2204-28313 SRA

Date: 16 February 2023



REDLAND CITY COUNCIL
Operational Works Approval

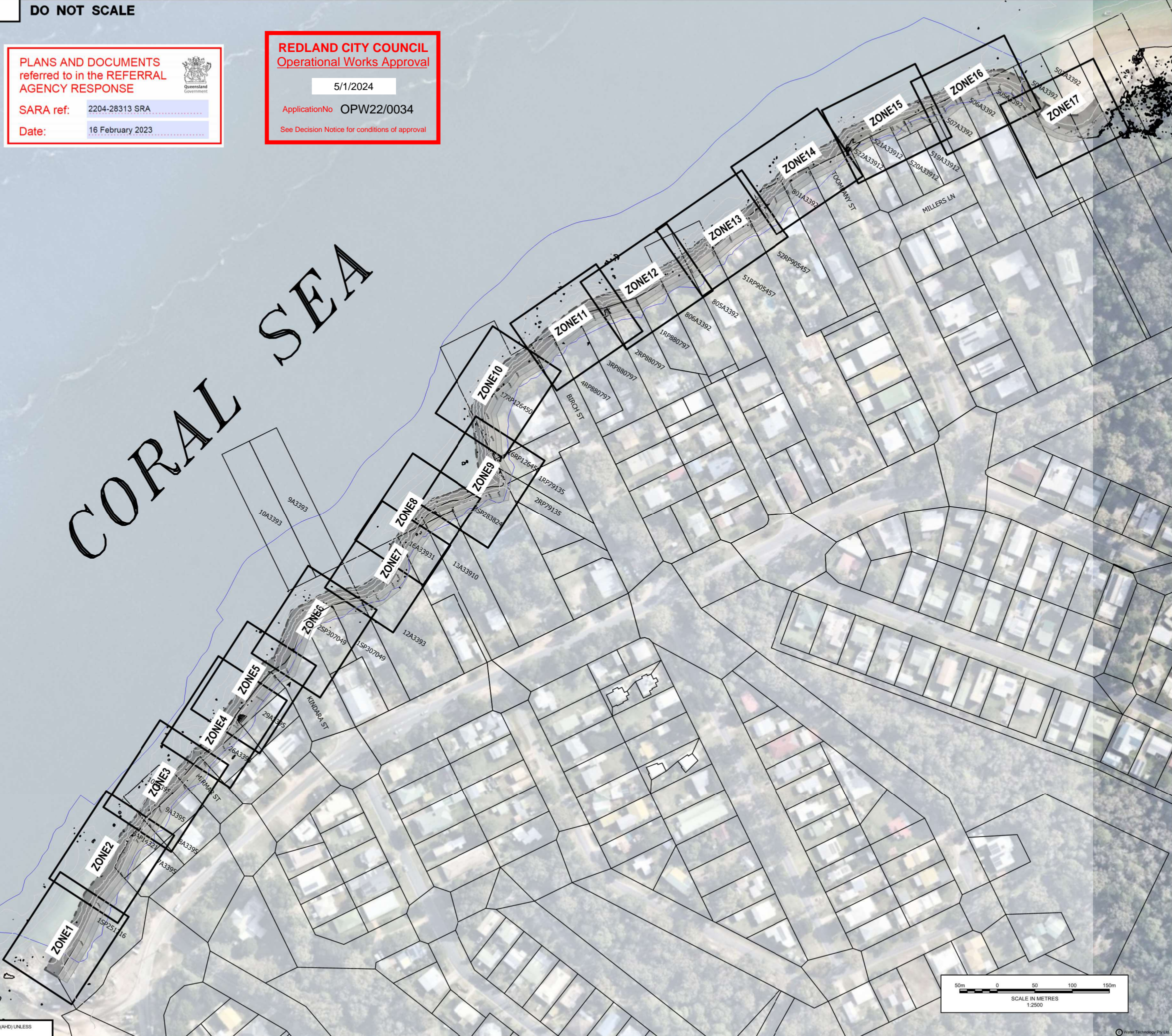
5/1/2024

ApplicationNo OPW22/0034

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CORAL SEA



NOTES

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LEGEND

EXISTING FLOW SLIDE BARRIER FOOTPRINT (SEE COVER SHEET NOTE 4)



3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)



10m ROCK DROP ZONE



NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RXD	GXC
P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:
22010367-WT-ZZ-XX-DR-C-0001

TITLE
OVERLAY MAP

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 9528 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:2500	REF: 22010367-01-0001
DRAWING No:	WT-ZZ-XX-DR-C-0001	SUITABILITY S1	REVISION P2

PLANS AND DOCUMENTS
referred to in the REFERRAL
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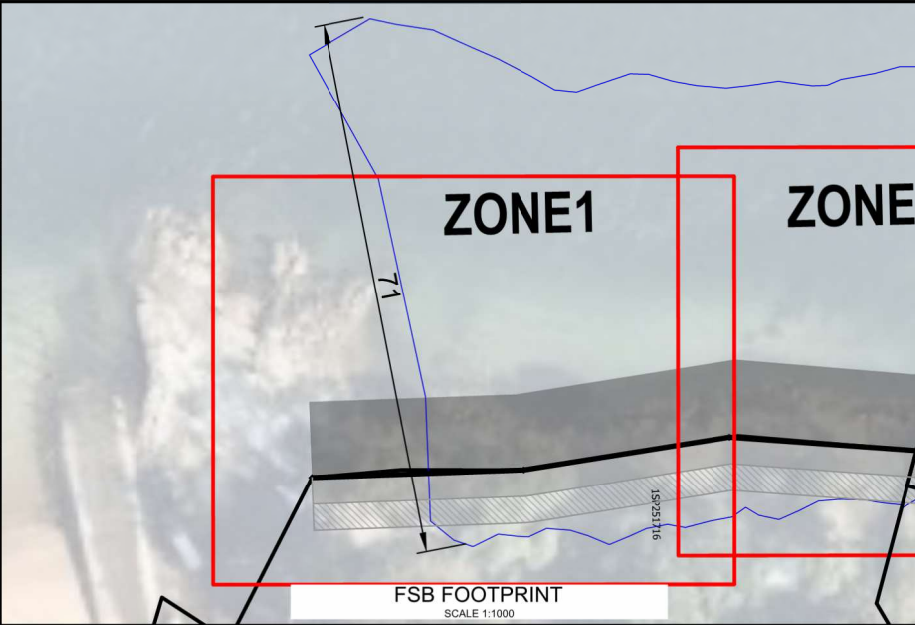
Date: 16 February 2023

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Operational Works Approval

5/1/2024

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3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
5)



10m ROCK DROP ZONE



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REVISIONS

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AMITY POINT FLOW SLIDE BARRIER

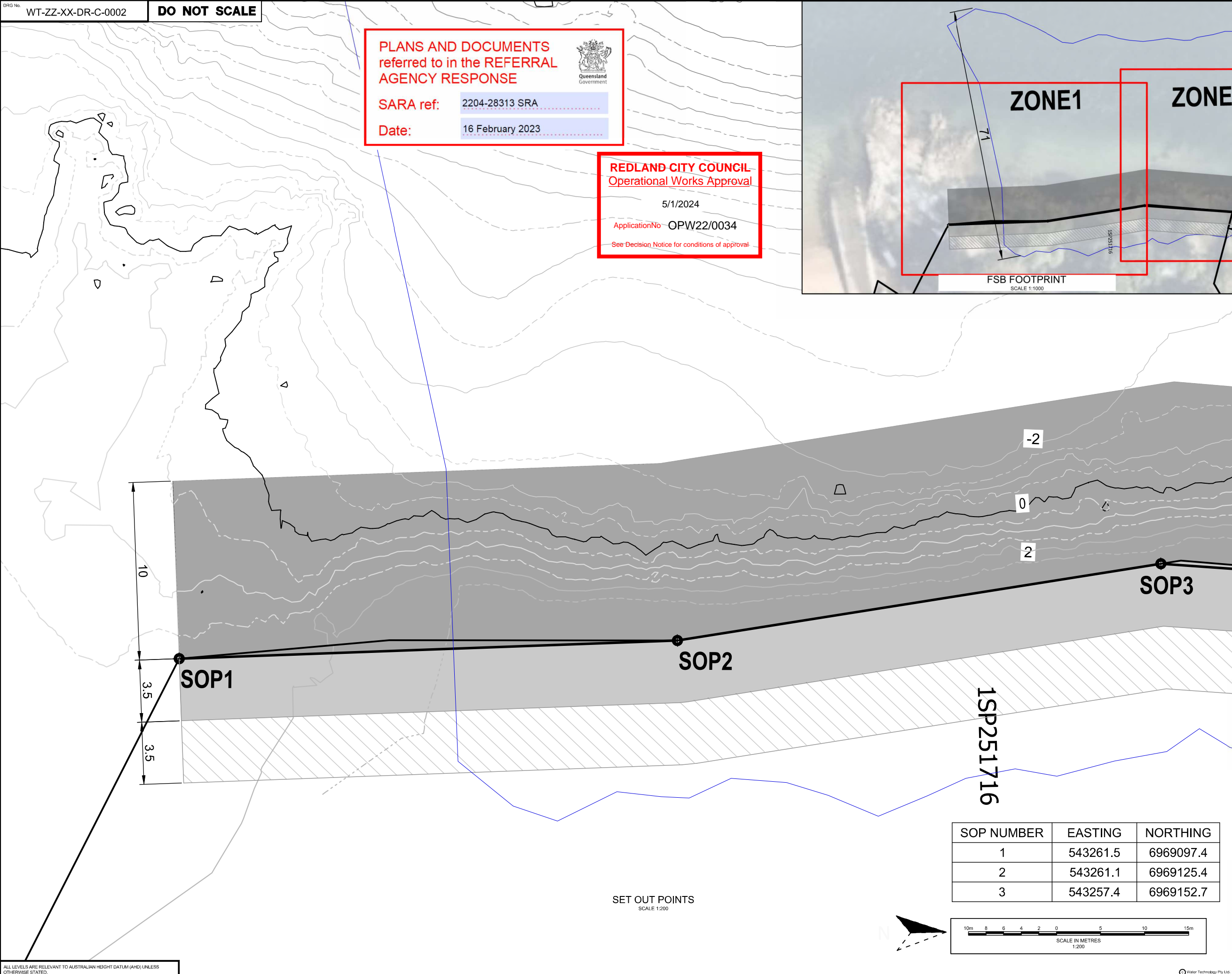


BIM REF:
22010367-WT-ZZ-XX-DR-C-0002

TITLE
ZONE 1



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0002
DRAWING No.	WT-ZZ-XX-DR-C-0002	SUITABILITY	REVISION
		S1	P2



PLANS AND DOCUMENTS
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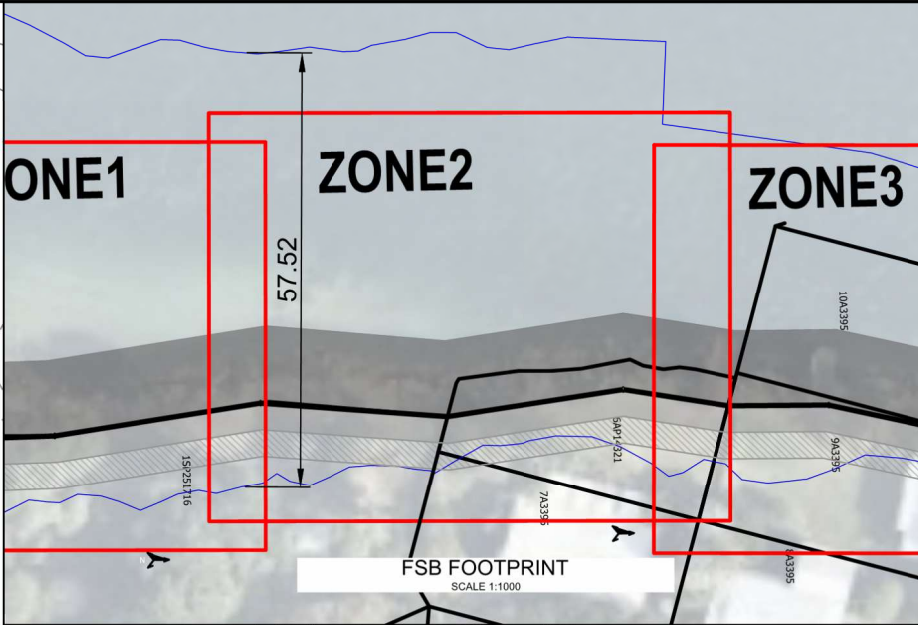
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- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)
- 10m ROCK DROP ZONE

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	15/06/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
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AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0003

TITLE

ZONE 2

WATER TECHNOLOGY

15 Business Park Dr, Notting Hill VIC 3168
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Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0003
DRAWING No.	WT-ZZ-XX-DR-C-0003	SUITABILITY S1	REVISION P2

SOP NUMBER	EASTING	NORTHING
3	543257.4	6969152.7
4	543259.8	6969177.4
5	543256.7	6969200.7
6	543259.2	6969214.6

PLANS AND DOCUMENTS
referred to in the REFERRAL
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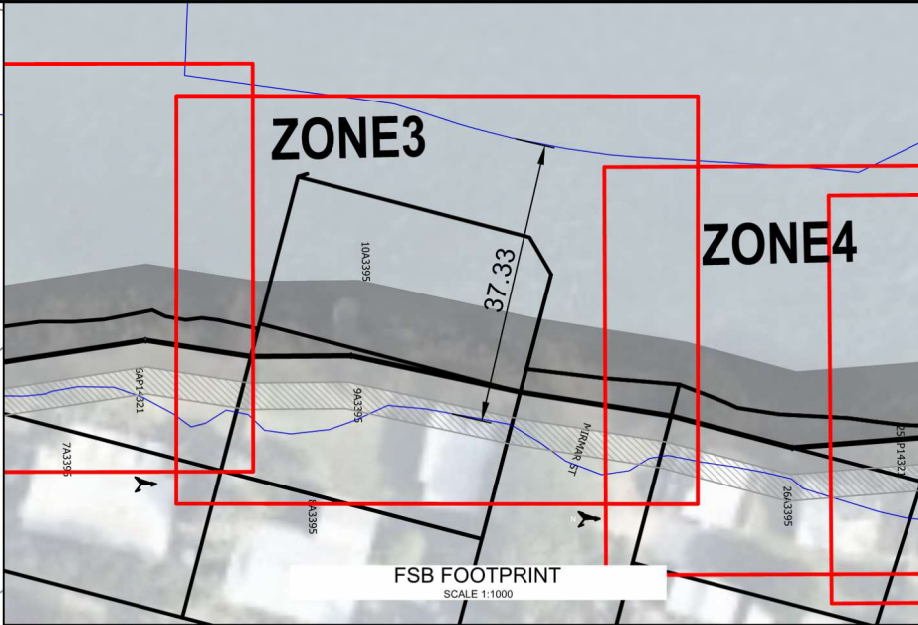
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5/1/2024

ApplicationNo OPW22/0034

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LEGEND

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3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE 5)



10m ROCK DROP ZONE



**NOT FOR
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P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:
22010367-WT-ZZ-XX-DR-C-0004

TITLE
ZONE 3

15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF:
		AT A3	22010367-01-0004
DRAWING No.	WT-ZZ-XX-DR-C-0004	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS
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10m ROCK DROP ZONE



NOT FOR CONSTRUCTION

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REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:
22010367-WT-ZZ-XX-DR-C-0005

TITLE
ZONE 4

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

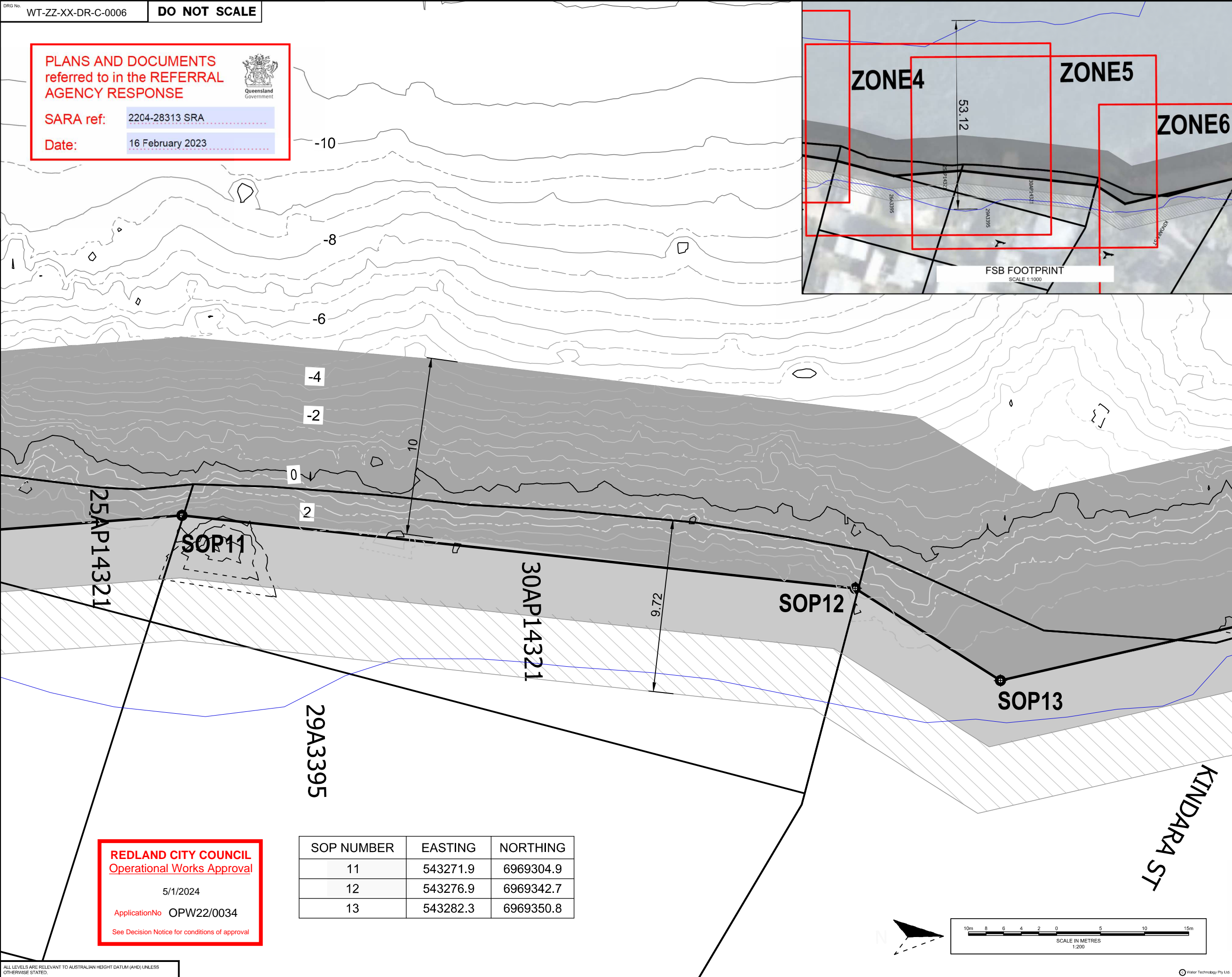
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DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0005
DRAWING No.	WT-ZZ-XX-DR-C-0005	SUITABILITY S1	REVISION P2

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3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
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10m ROCK DROP ZONE



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P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

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PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT



BIM REF.

22010367-WT-ZZ-XX-DR-C-0006

TITLE

ZONE 5



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0006
DRAWING No.	WT-ZZ-XX-DR-C-0006	SUITABILITY S1	REVISION P2

PLANS AND DOCUMENTS
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AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023

SOP NUMBER	EASTING	NORTHING
13	543282.3	6969350.8
14	543275.6	6969383.4
15	543286.2	6969402.1
16	543301.5	6969414.7

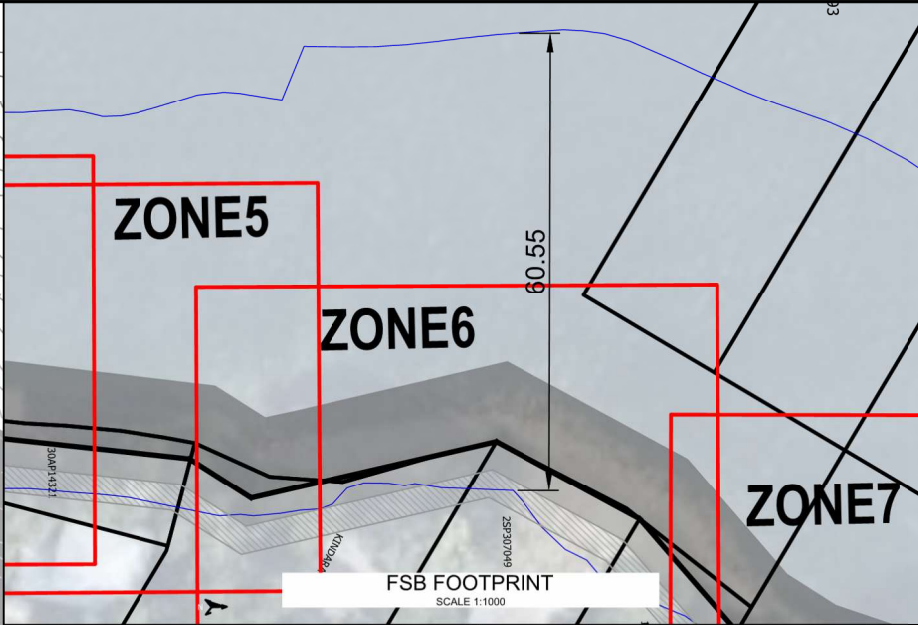
REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

ALL LEVELS ARE RELEVANT TO AUSTRALIAN HEIGHT DATUM (AHD) UNLESS OTHERWISE STATED.



NOTES

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LEGEND

EXISTING FLOW SLIDE
BARRIER FOOTPRINT (SEE
COVER SHEET NOTE 4)



3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
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10m ROCK DROP ZONE



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CONSTRUCTION**

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:
22010367-WT-ZZ-XX-DR-C-0007

TITLE
ZONE 6

15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0007
DRAWING No.	WT-ZZ-XX-DR-C-0007	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS
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AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023

SOP16

SOP17

SOP18

SOP19

SOP20

SOP

-10

-8

-6

-4

-2

0

2

ZONE7

ZONE8

FSB FOOTPRINT

SCALE 1:1000

60.25

NOTES

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10m ROCK DROP ZONE



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P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER



BIM REF:
22010367-WT-ZZ-XX-DR-C-0008

TITLE
ZONE 7



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0008
DRAWING No.	WT-ZZ-XX-DR-C-0008	SUITABILITY S1	REVISION P2

SOP NUMBER	EASTING	NORTHING
16	543301.5	6969414.7
17	543307.2	6969423.2
18	543311.8	6969435.7
19	543311.7	6969442.1
20	543308.2	6969457.9

12A3393

16A33931

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

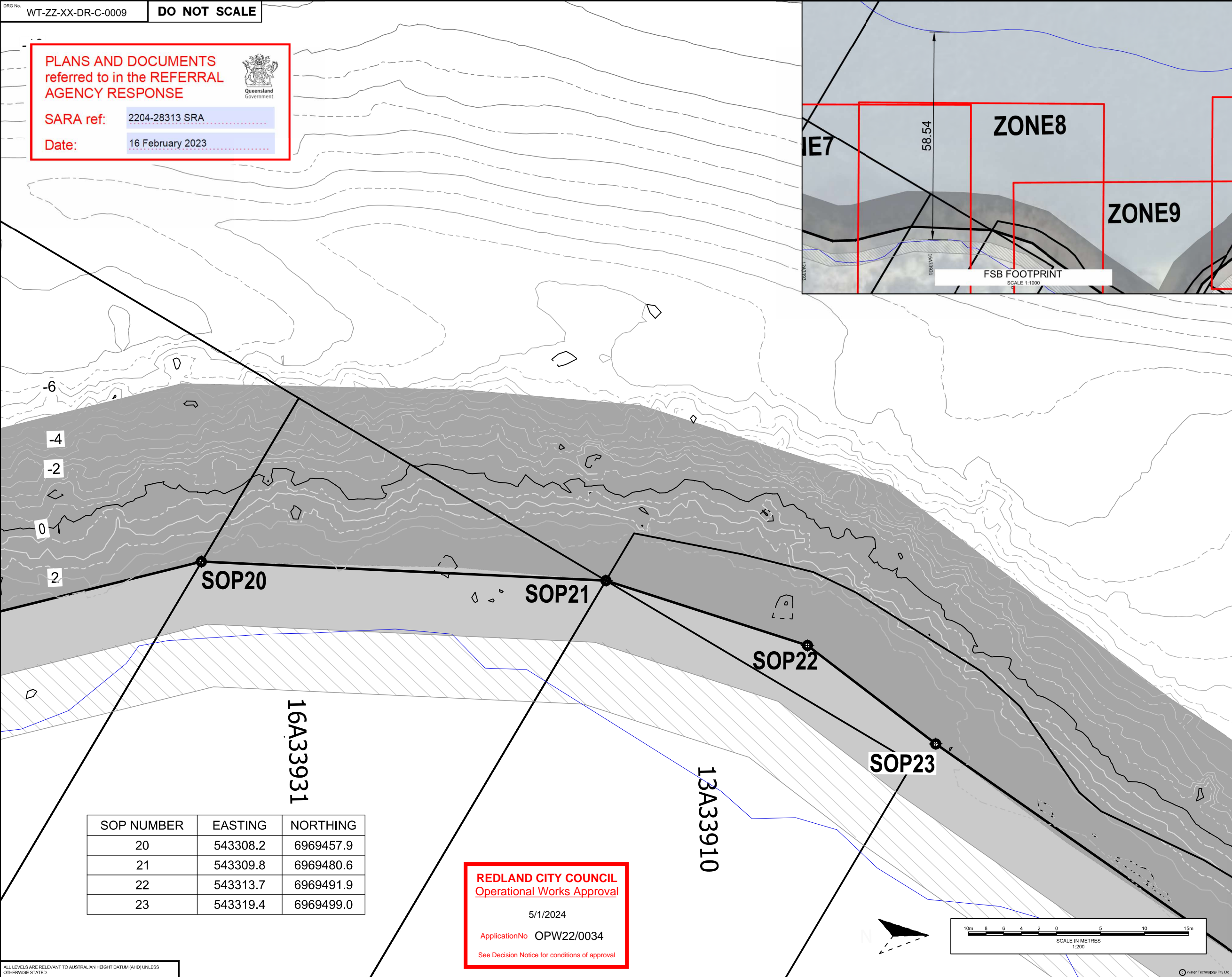
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REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0009

TITLE

ZONE 8

WATER TECHNOLOGY

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0009
DRAWING No.	WT-ZZ-XX-DR-C-0009	SUITABILITY S1	REVISION P2

SOP NUMBER	EASTING	NORTHING
20	543308.2	6969457.9
21	543309.8	6969480.6
22	543313.7	6969491.9
23	543319.4	6969499.0

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

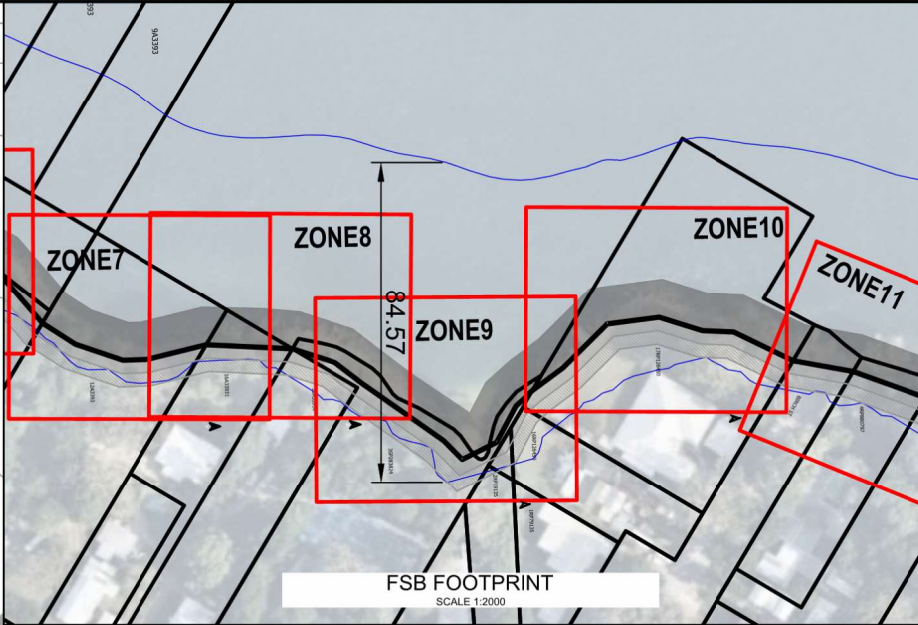

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REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT
AMITY POINT FLOW SLIDE BARRIER

CLIENT

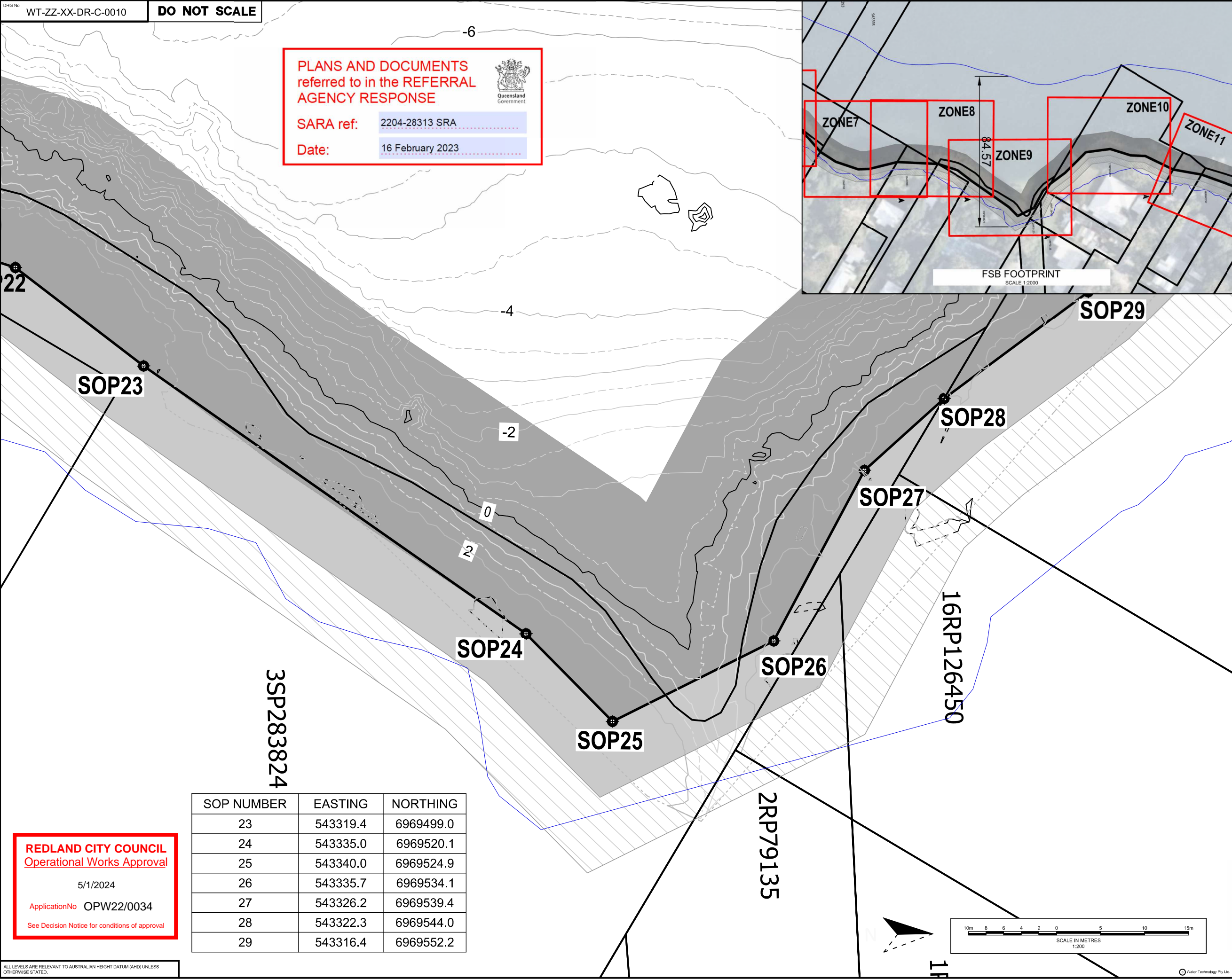

BIM REF.
22010367-WT-ZZ-XX-DR-C-0010

TITLE
ZONE 9



15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
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DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0010
DRAWING No.	WT-ZZ-XX-DR-C-0010	SUITABILITY	REVISION
		S1	P2



SOP NUMBER	EASTING	NORTHING
23	543319.4	6969499.0
24	543335.0	6969520.1
25	543340.0	6969524.9
26	543335.7	6969534.1
27	543326.2	6969539.4
28	543322.3	6969544.0
29	543316.4	6969552.2

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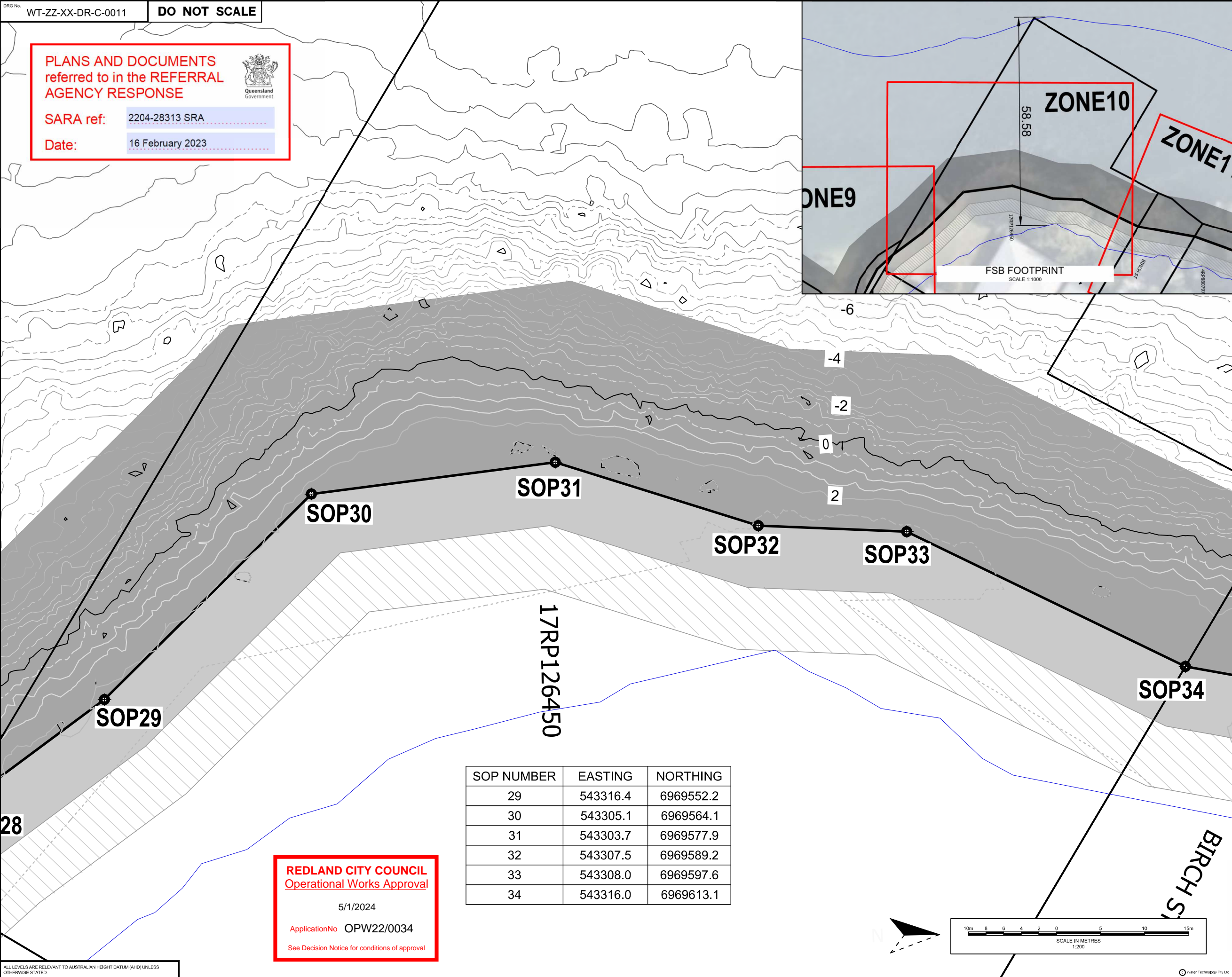
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AMITY POINT FLOW SLIDE BARRIER

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BIM REF:
22010367-WT-ZZ-XX-DR-C-0011

TITLE
ZONE 10

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

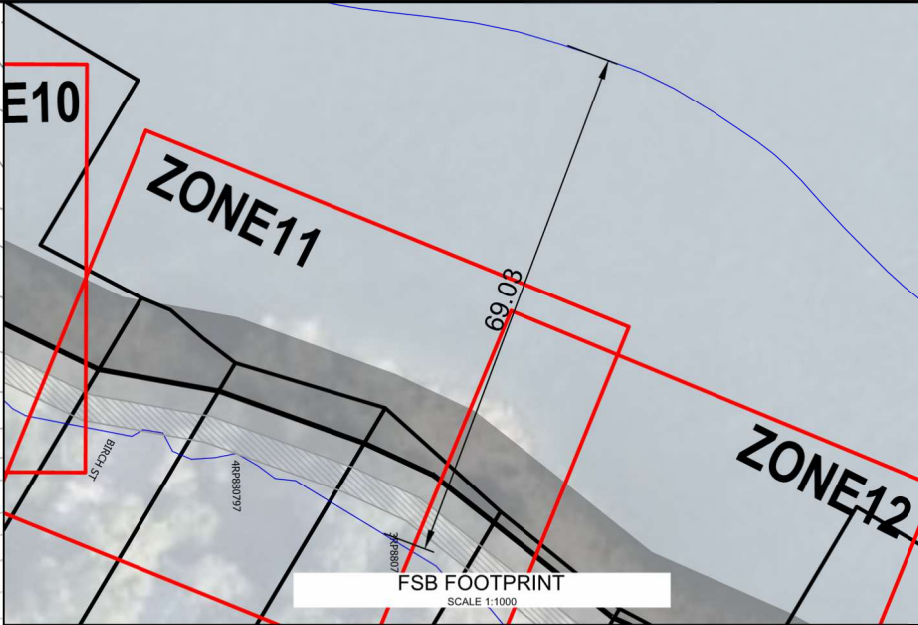
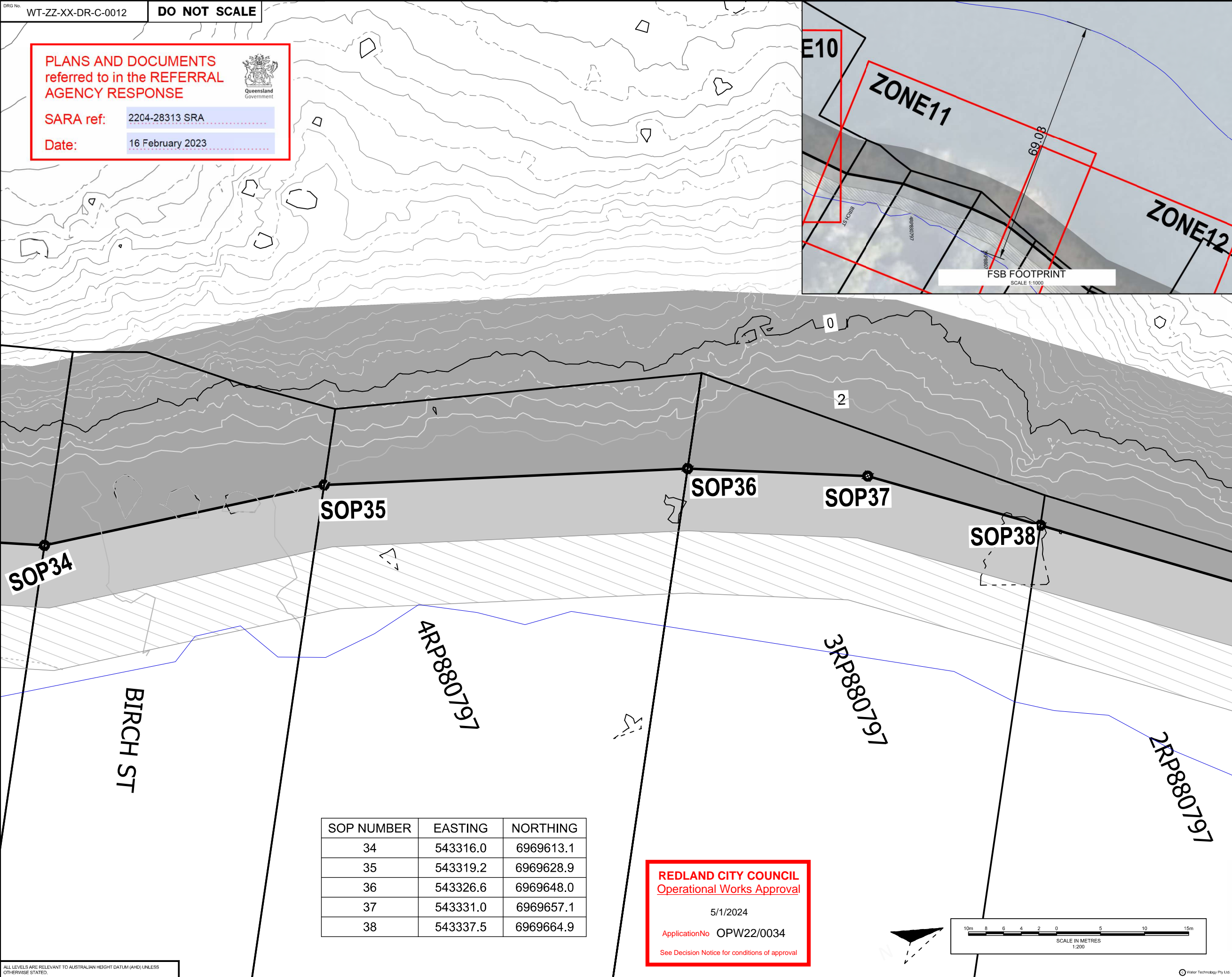
DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0011
DRAWING No.	WT-ZZ-XX-DR-C-0011	SUITABILITY S1	REVISION P2

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 - ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

- LEGEND
- EXISTING FLOW SLIDE BARRIER FOOTPRINT (SEE COVER SHEET NOTE 4)
- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)
- 10m ROCK DROP ZONE

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0012

TITLE

ZONE 11

WATER TECHNOLOGY

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0012
DRAWING No.	WT-ZZ-XX-DR-C-0012	SUITABILITY S1	REVISION P2

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023

SOP38

SOP39

SOP40

SOP41

2RP880761

1RP880761

806A3362

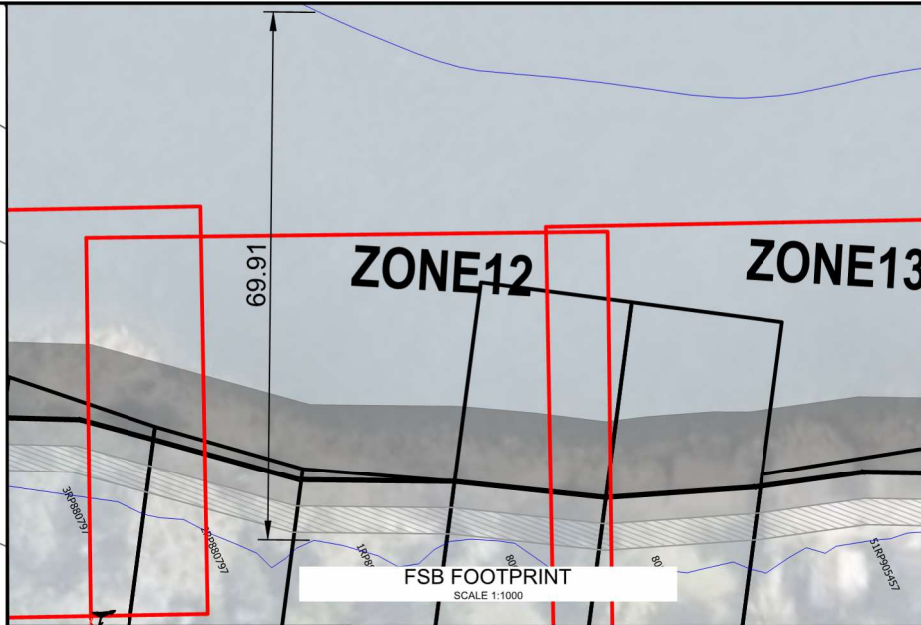
REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

SOP NUMBER	EASTING	NORTHING
38	543337.5	6969664.9
39	543350.4	6969680.3
40	543359.1	6969698.8
41	543369.3	6969716.1



NOTES

- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
- ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

LEGEND

EXISTING FLOW SLIDE
BARRIER FOOTPRINT (SEE
COVER SHEET NOTE 4)



3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
5)



10m ROCK DROP ZONE



NOT FOR
CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RJD	RJD
P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER



BIM REF:
22010367-WT-ZZ-XX-DR-C-0013

TITLE
ZONE 12

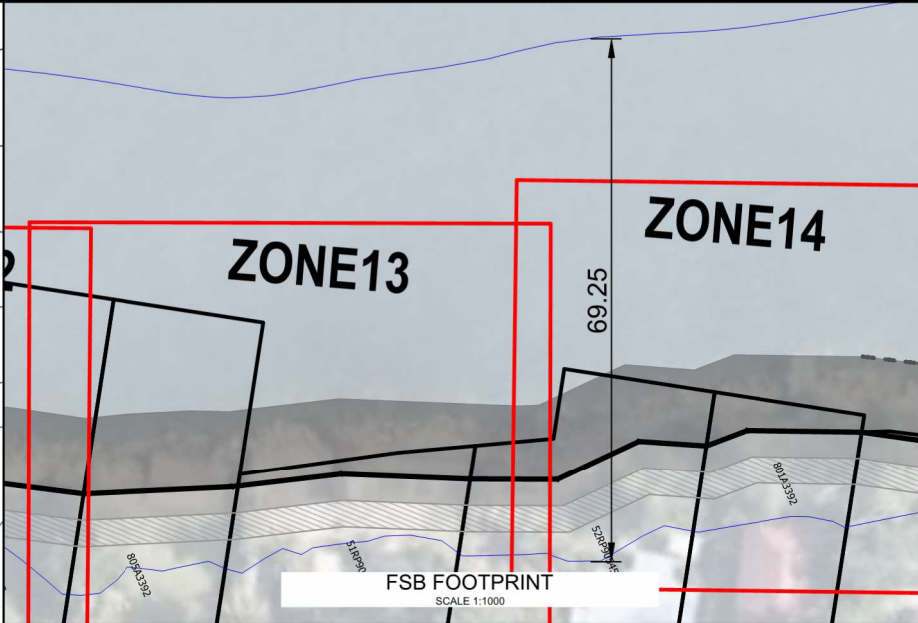
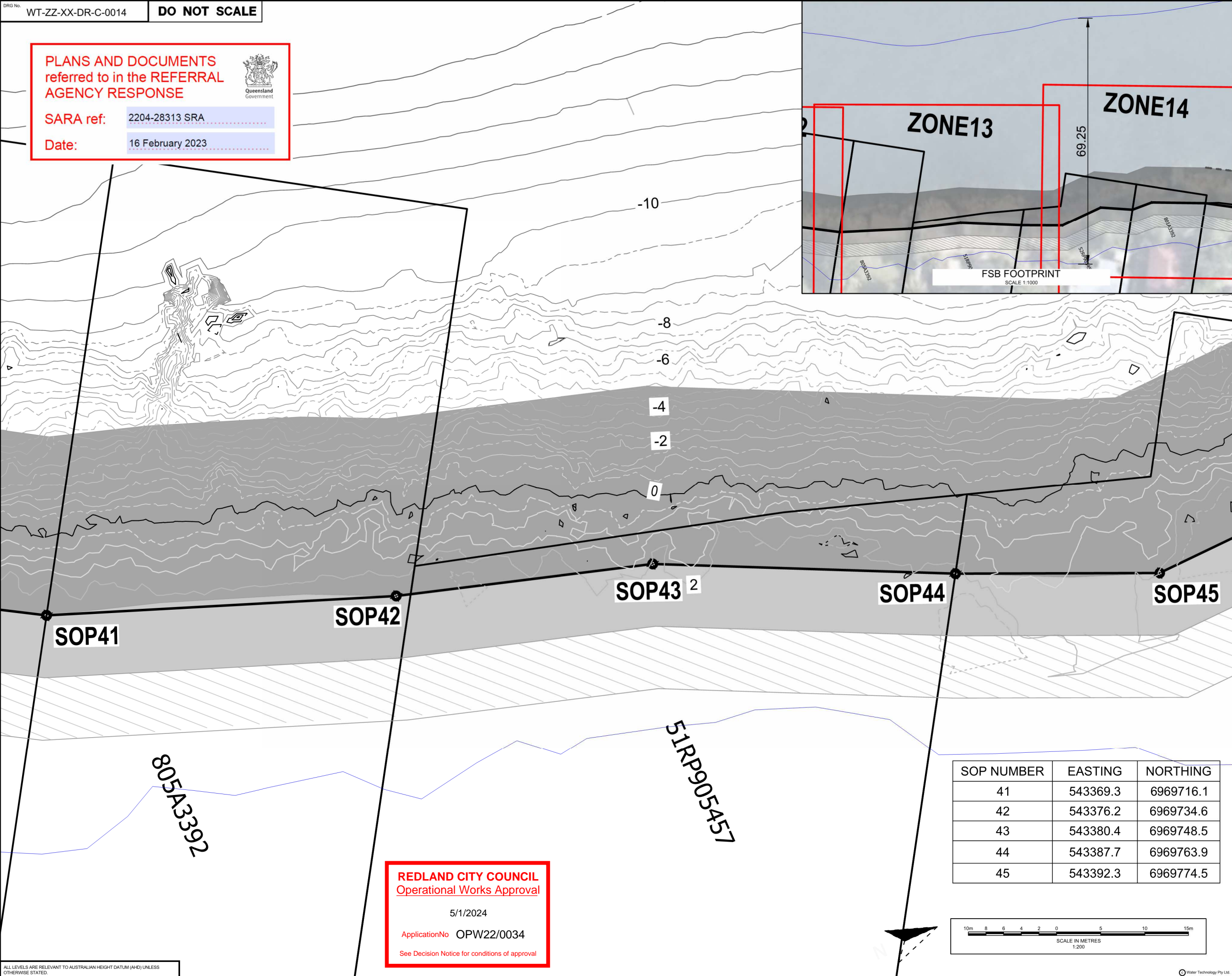


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DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0013
DRAWING No:	WT-ZZ-XX-DR-C-0013	SUITABILITY S1	REVISION P2

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2204-28313 SRA
Date: 16 February 2023



- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 2. ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

- LEGEND
- EXISTING FLOW SLIDE BARRIER FOOTPRINT (SEE COVER SHEET NOTE 4)
- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)
- 10m ROCK DROP ZONE

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RJD	RJD
P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER



BIM REF: 22010367-WT-ZZ-XX-DR-C-0014

TITLE

ZONE 13



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0014
DRAWING No:	WT-ZZ-XX-DR-C-0014	SUITABILITY S1	REVISION P2

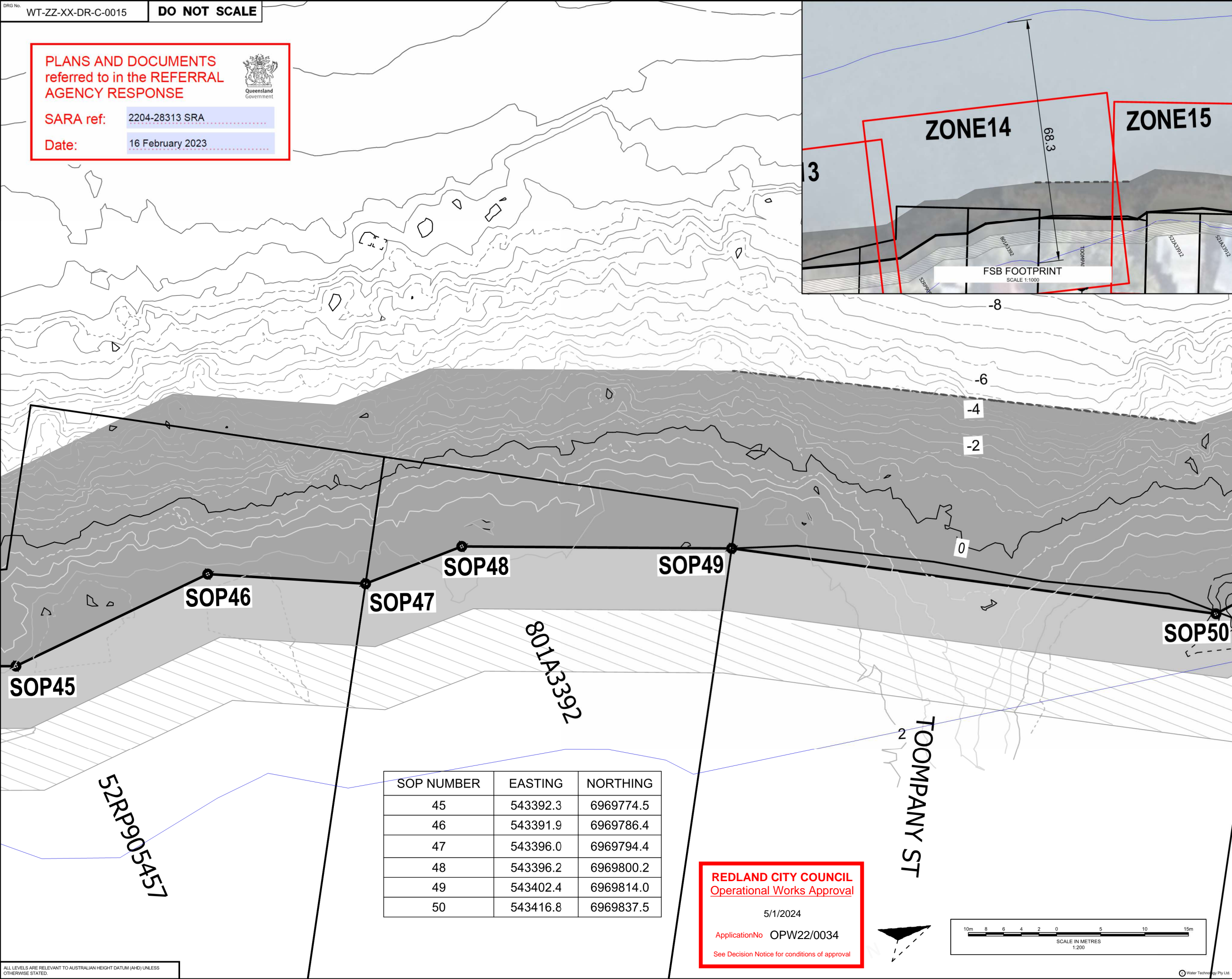
ALL LEVELS ARE RELEVANT TO AUSTRALIAN HEIGHT DATUM (AHD) UNLESS OTHERWISE STATED.

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023



NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
2. ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

LEGEND

EXISTING FLOW SLIDE
BARRIER FOOTPRINT (SEE
COVER SHEET NOTE 4)



3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
5)



10m ROCK DROP ZONE



**NOT FOR
CONSTRUCTION**

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RJD	RJD
P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT



BIM REF:

22010367-WT-ZZ-XX-DR-C-0015

TITLE

ZONE 14



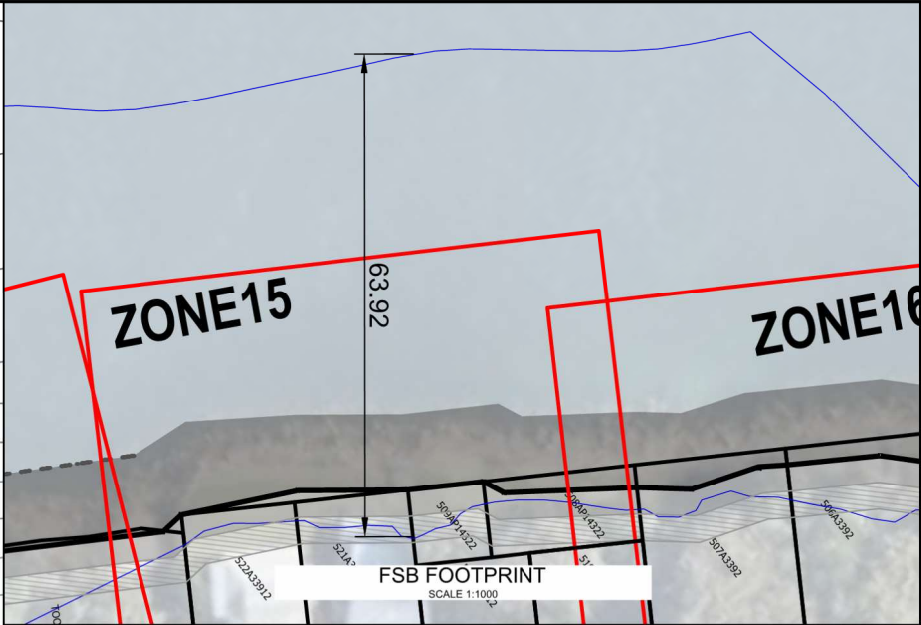
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DRAWING No:	WT-ZZ-XX-DR-C-0015	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023



NOTES

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LEGEND

EXISTING FLOW SLIDE
BARRIER FOOTPRINT (SEE
COVER SHEET NOTE 4)



3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER
(SEE COVER SHEET NOTE
5)



10m ROCK DROP ZONE



**NOT FOR
CONSTRUCTION**

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXF	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:
22010367-WT-ZZ-XX-DR-C-0016

TITLE
ZONE 15

15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXF	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF:
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DRAWING No.	WT-ZZ-XX-DR-C-0016	SUITABILITY	REVISION
		S1	P2

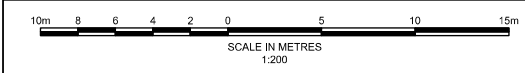
SOP NUMBER	EASTING	NORTHING
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51	543416.5	6969840.8
52	543423.5	6969854.9
53	543432.5	6969866.4
54	543437.8	6969874.9
55	543440.7	6969876.2
56	543451.0	6969890.4

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

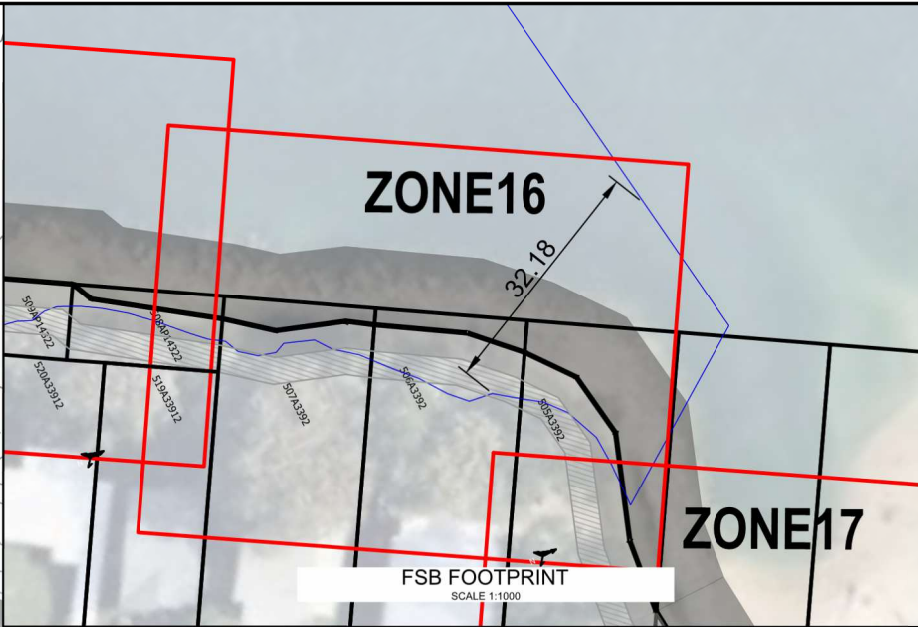
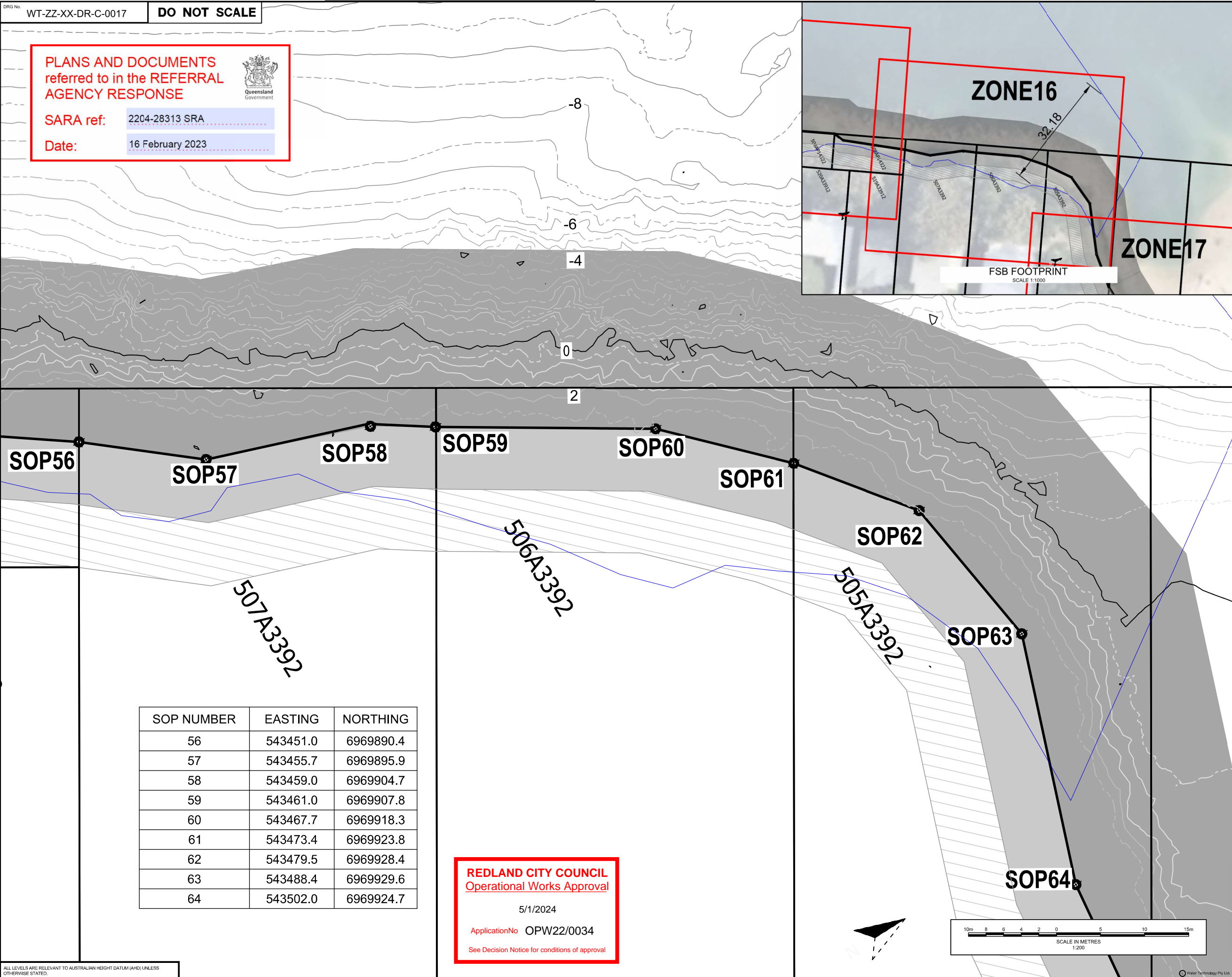


PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023



- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
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- LEGEND
- EXISTING FLOW SLIDE BARRIER FOOTPRINT (SEE COVER SHEET NOTE 4)
- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)
- 10m ROCK DROP ZONE

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland
CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0017

TITLE

ZONE 16

WATER TECHNOLOGY
15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0017
DRAWING No.	WT-ZZ-XX-DR-C-0017	SUITABILITY S1	REVISION P2

SOP NUMBER	EASTING	NORTHING
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57	543455.7	6969895.9
58	543459.0	6969904.7
59	543461.0	6969907.8
60	543467.7	6969918.3
61	543473.4	6969923.8
62	543479.5	6969928.4
63	543488.4	6969929.6
64	543502.0	6969924.7

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

- NOTES
1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 2. ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

- LEGEND
- EXISTING FLOW SLIDE BARRIER FOOTPRINT (SEE COVER SHEET NOTE 4)
- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER (SEE COVER SHEET NOTE 5)
- 10m ROCK DROP ZONE

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAG	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0018

TITLE

ZONE 17

WATER TECHNOLOGY

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0018
DRAWING No.	WT-ZZ-XX-DR-C-0018	SUITABILITY S1	REVISION P2

SOP NUMBER	EASTING	NORTHING
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68	543539.1	6969930.2
69	543544.7	6969939.4
70	543547.0	6969949.0

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2204-28313 SRA

Date: 16 February 2023

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval

TYPE A : PRIMARY ARMOUR

- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m³
- ARMOUR ROCK SIZE BETWEEN 0.05 TONNES AND 4 TONNES
- 50% OF ROCK IS TO BE GREATER THAN 0.34m DIAMETER
- 50% OF ROCK IS TO BE GREATER THAN 0.1 TONNES
- ROCKS ARE WELL GRADED, CLEAN, FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC MATTER
- INDIVIDUAL ROCK TO BE SLIGHTLY WEATHERED TO FRESH, DURABLE, SOUND AND SUITABLE FOR USE AS ARMOUR IN THE MARINE ENVIRONMENT
- ROCK DISPLAYING CLEAVAGE PLANES AND WEAK SEAMS SHALL NOT BE USED

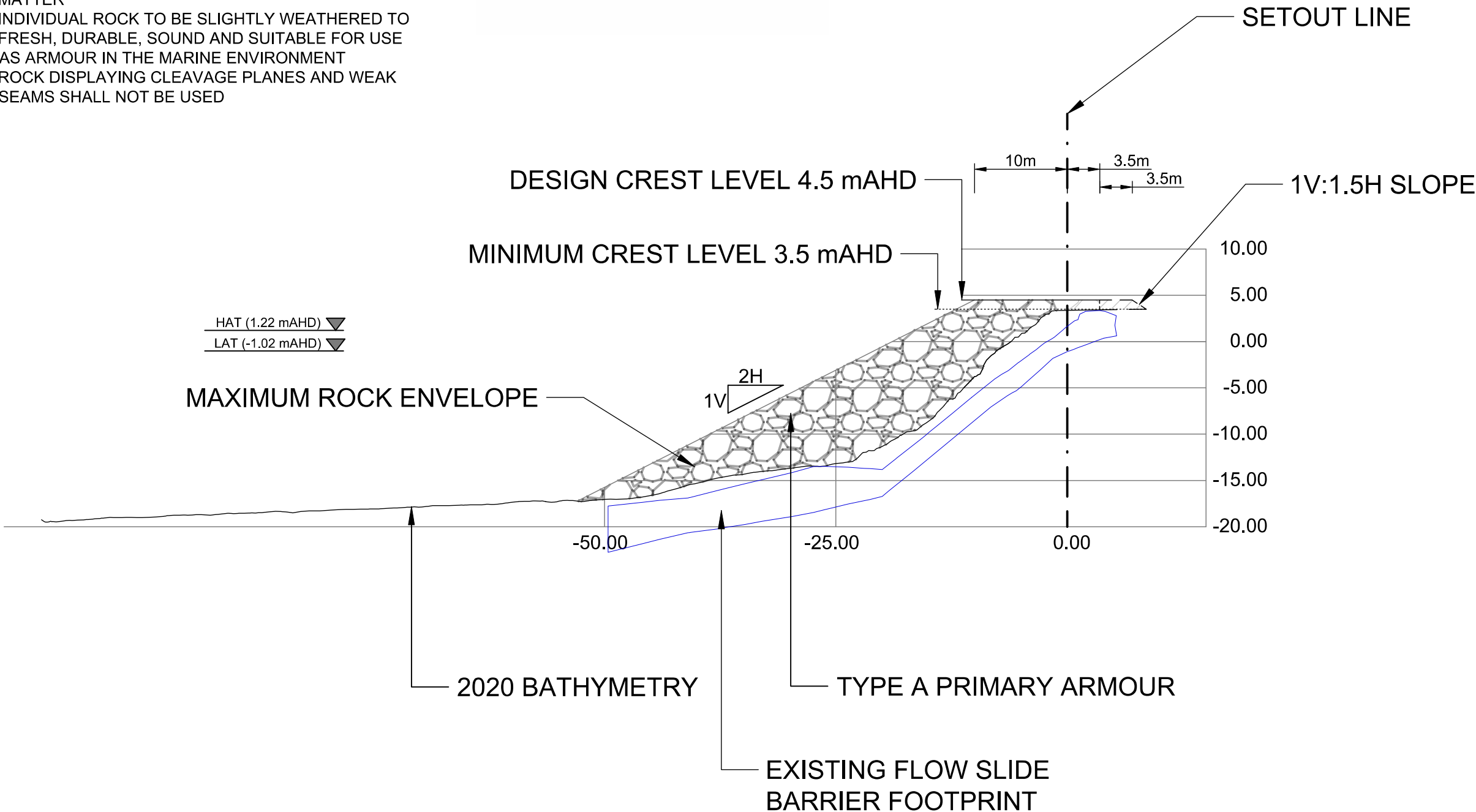
PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref:

2204-28313 SRA

Date:

16 February 2023



- NOTES
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 - ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

LEGEND

- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER
- 10m ROCK DROP ZONE
- EXISTING FLOW SLIDE BARRIER FOOTPRINT

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

BIM REF:

22010367-WT-ZZ-XX-DR-C-0019

TITLE

TYPICAL CROSS SECTION A

15 Business Park Dr, Notting Hill VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF:
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DRAWING No.	WT-ZZ-XX-DR-C-0019	SUITABILITY	REVISION
		S1	P2

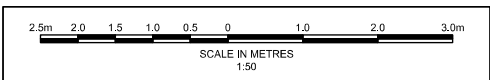
TYPICAL SECTION A
SCALE 1:50

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval



TYPE A : PRIMARY ARMOUR

- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m³
- ARMOUR ROCK SIZE BETWEEN 0.05 TONNES AND 4 TONNES
- 50% OF ROCK IS TO BE GREATER THAN 0.34m DIAMETER
- 50% OF ROCK IS TO BE GREATER THAN 0.1 TONNES
- ROCKS ARE WELL GRADED, CLEAN, FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC MATTER
- INDIVIDUAL ROCK TO BE SLIGHTLY WEATHERED TO FRESH, DURABLE, SOUND AND SUITABLE FOR USE AS ARMOUR IN THE MARINE ENVIRONMENT
- ROCK DISPLAYING CLEAVAGE PLANES AND WEAK SEAMS SHALL NOT BE USED

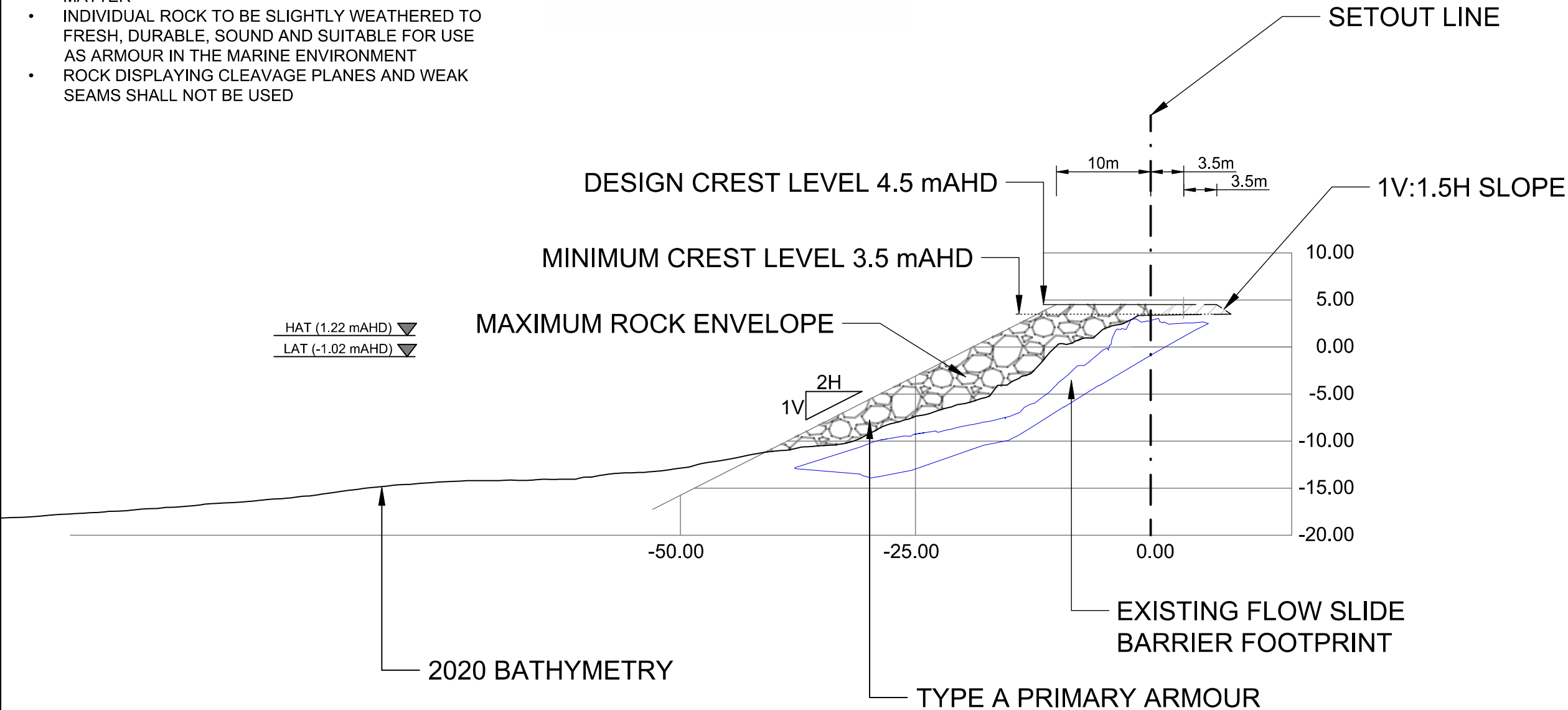
PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref:

2204-28313 SRA

Date:

16 February 2023



- NOTES
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 - ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

- LEGEND
- 3.5m BUFFER ZONE
 - 3.5m FLEXIBLE BUFFER
 - 10m ROCK DROP ZONE
 - EXISTING FLOW SLIDE BARRIER FOOTPRINT

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland
CITY COUNCIL

BIM REF.

22010367-WT-ZZ-XX-DR-C-0020

TITLE

TYPICAL CROSS SECTION B

15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

WATER TECHNOLOGY
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF.
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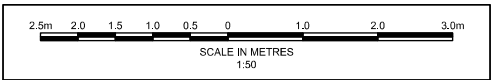
TYPICAL SECTION B
SCALE 1:50

REDLAND CITY COUNCIL
Operational Works Approval

5/1/2024

ApplicationNo OPW22/0034

See Decision Notice for conditions of approval



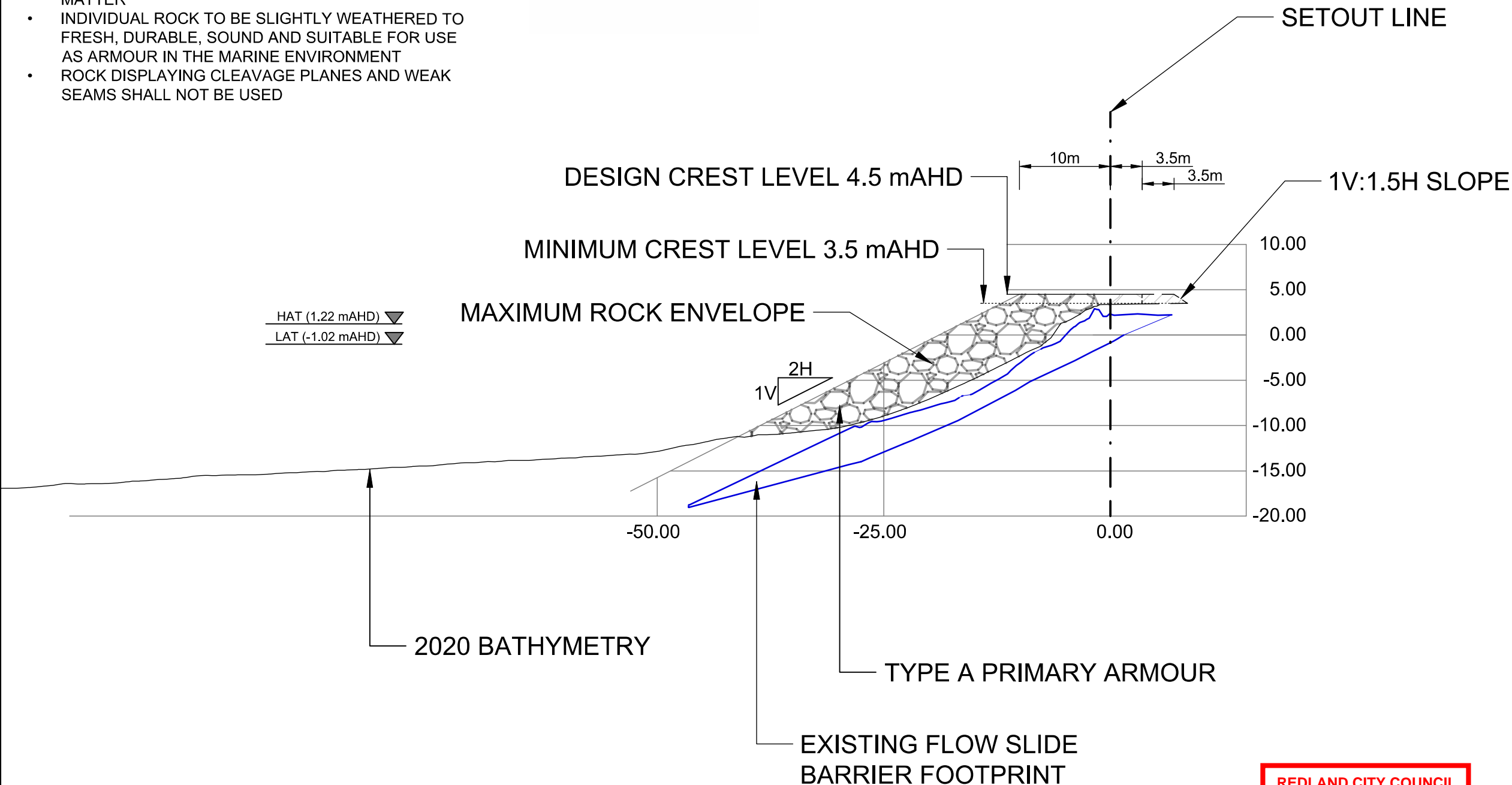
TYPE A : PRIMARY ARMOUR

- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m³
- ARMOUR ROCK SIZE BETWEEN 0.05 TONNES AND 4 TONNES
- 50% OF ROCK IS TO BE GREATER THAN 0.34m DIAMETER
- 50% OF ROCK IS TO BE GREATER THAN 0.1 TONNES
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- INDIVIDUAL ROCK TO BE SLIGHTLY WEATHERED TO FRESH, DURABLE, SOUND AND SUITABLE FOR USE AS ARMOUR IN THE MARINE ENVIRONMENT
- ROCK DISPLAYING CLEAVAGE PLANES AND WEAK SEAMS SHALL NOT BE USED

PLANS AND DOCUMENTS
referred to in the REFERRAL
AGENCY RESPONSE

SARA ref: 2204-28313 SRA

Date: 16 February 2023



- NOTES
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 - ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.

LEGEND

- 3.5m BUFFER ZONE
- 3.5m FLEXIBLE BUFFER
- 10m ROCK DROP ZONE
- EXISTING FLOW SLIDE BARRIER FOOTPRINT

NOT FOR CONSTRUCTION

P2	20/12/22	S1 - CLIENT COMMENTS ADDRESSED	BAC	RJD	RJD
P1	16/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland
CITY COUNCIL

BIM REF:

22010367-WT-ZZ-XX-DR-C-0021

TITLE

TYPICAL CROSS SECTION C

WATER TECHNOLOGY
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

15 Business Park Dr, Notting Hill
VIC 3168
Tel +61 (0)3 8526 0800
Email info@watertech.com.au
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF:
	AT A3	1:50	22010367-01-0021
DRAWING No.	WT-ZZ-XX-DR-C-0021	SUITABILITY	REVISION
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