

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

NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE RELATIVE TO AUSTRALIAN HEIGHT DATUM (AHD).
3. ALL COORDINATES ARE IN METERS RELATIVE TO THE GEOCENTRIC DATUM OF AUSTRALIA 1994 (GDA 94) MGA ZONE 56.
4. 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.
5. 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	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-0000

TITLE

COVER SHEET

15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8526 9800  
Email info@watertech.com.au  
Website www.watertech.com.au/

WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

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



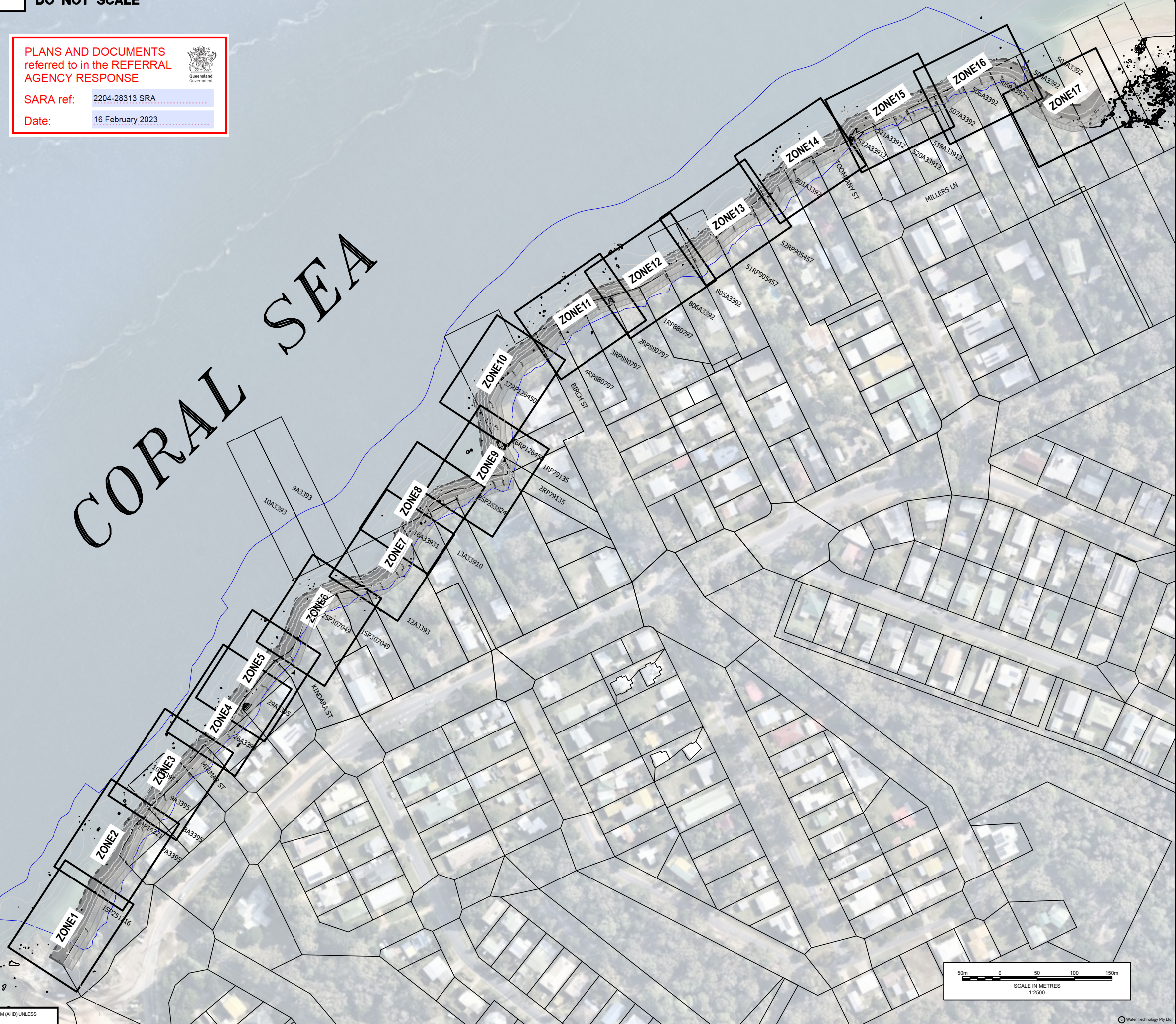
PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 2204-28313 SRA

Date: 16 February 2023



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	BAC	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 8526 9800  
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	REVISION
		S1	P2

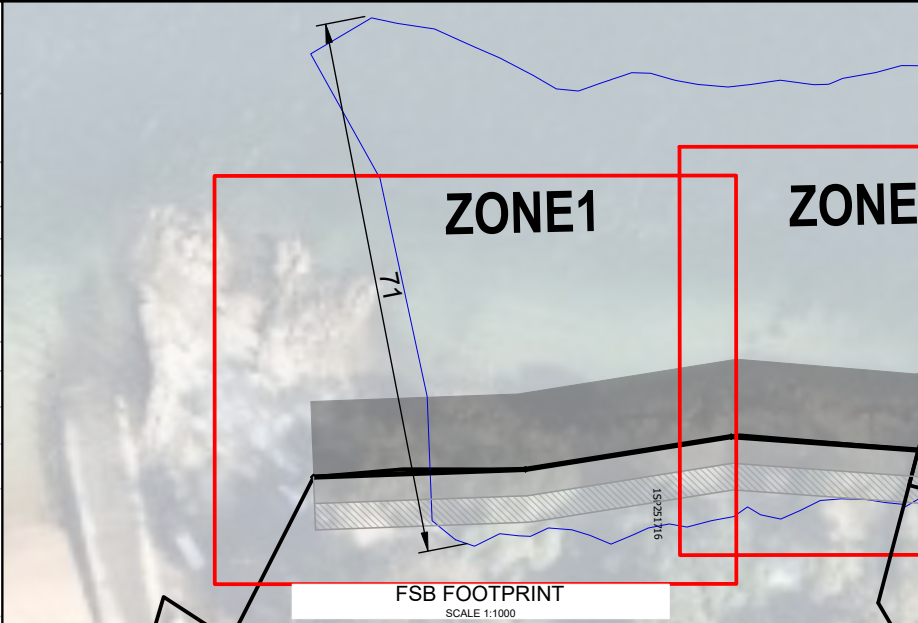


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LEGEND

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



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REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

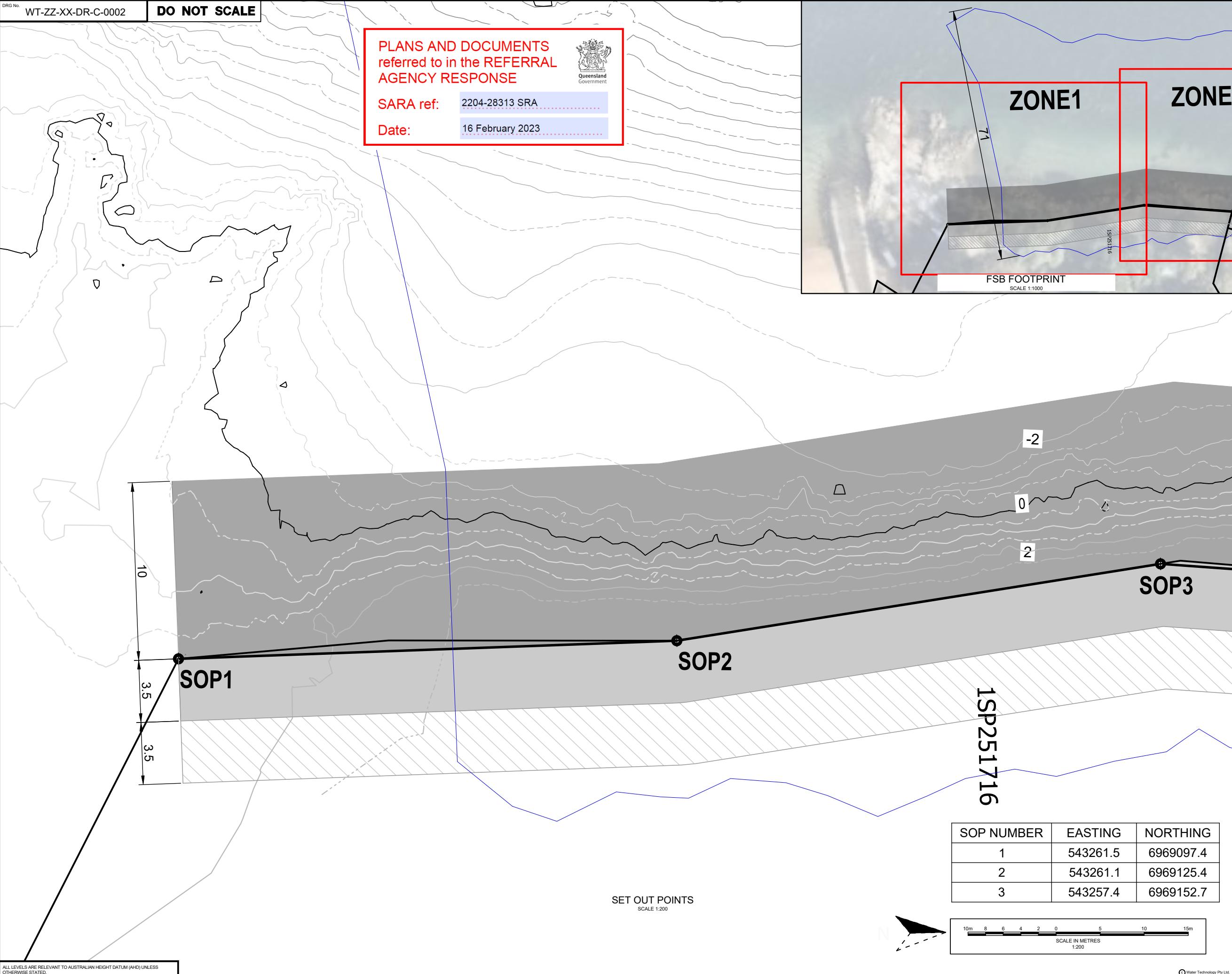


BIM REF:  
22010367-WT-ZZ-XX-DR-C-0002

TITLE  
ZONE 1



DRAWN	MXP	CHECKED	APPROVED
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DRAWING No.	WT-ZZ-XX-DR-C-0002	SUITABILITY	REVISION
		S1	P2



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SARA ref: 2204-28313 SRA

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ONE1

ZONE2

ZONE3

FSB FOOTPRINT  
SCALE 1:1000

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LEGEND

EXISTING FLOW SLIDE  
BARRIER FOOTPRINT (SEE  
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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

PROJECT

AMITY POINT FLOW SLIDE BARRIER



BIM REF:  
22010367-WT-ZZ-XX-DR-C-0003

TITLE  
ZONE 2



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

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

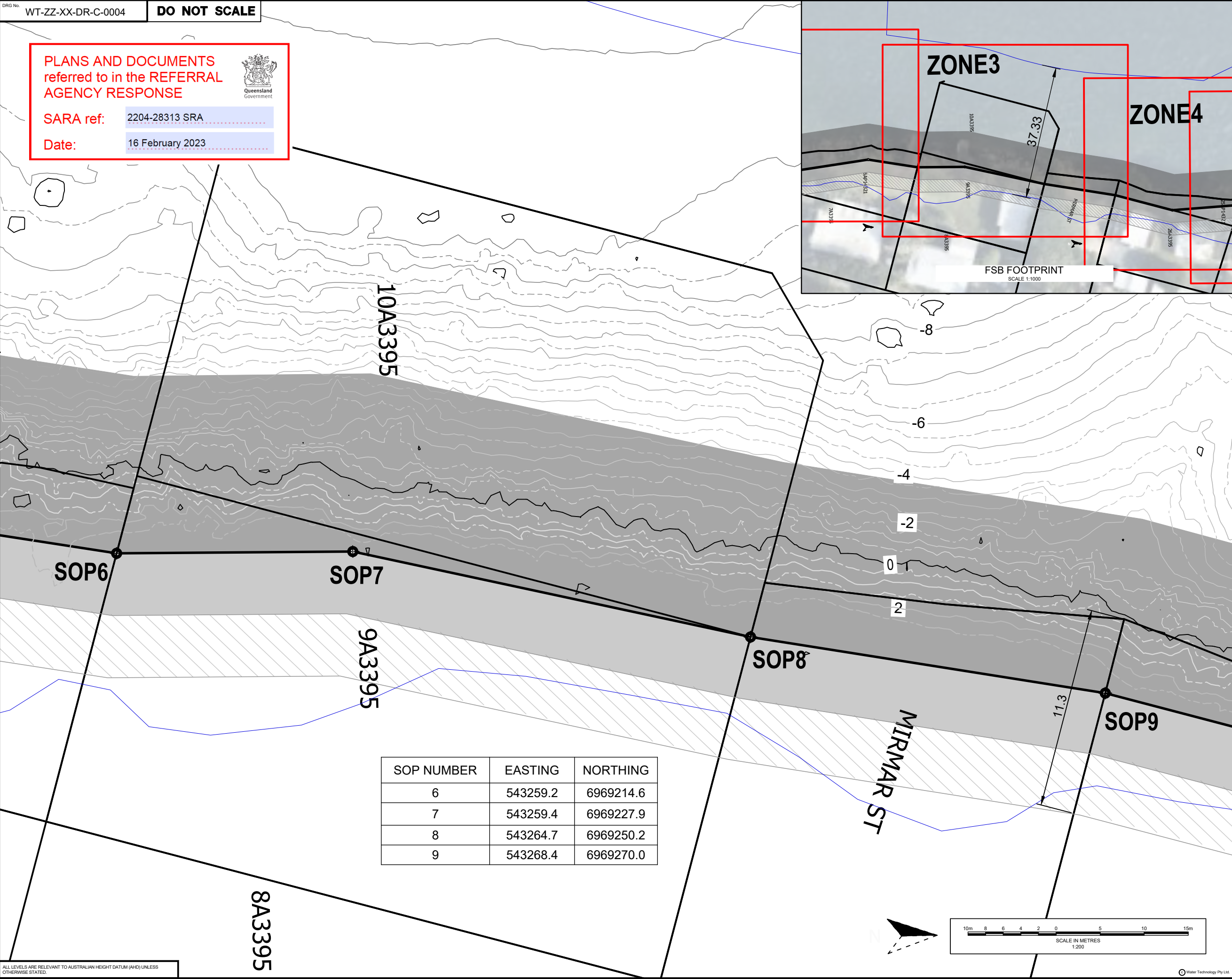


PLANS AND DOCUMENTS  
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AGENCY RESPONSE

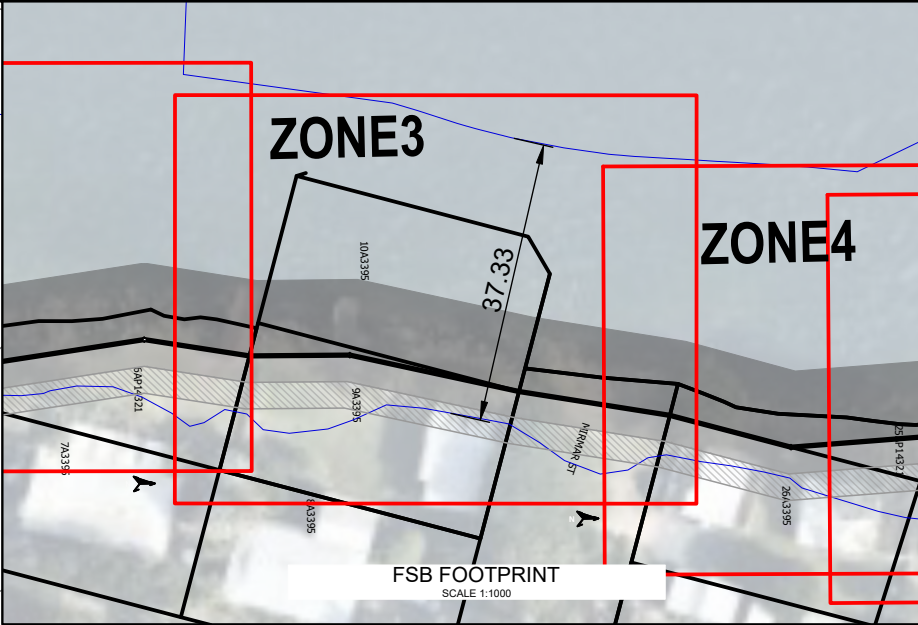


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(SEE COVER SHEET NOTE  
5)
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NOT FOR  
CONSTRUCTION

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REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER



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

TITLE  
ZONE 3



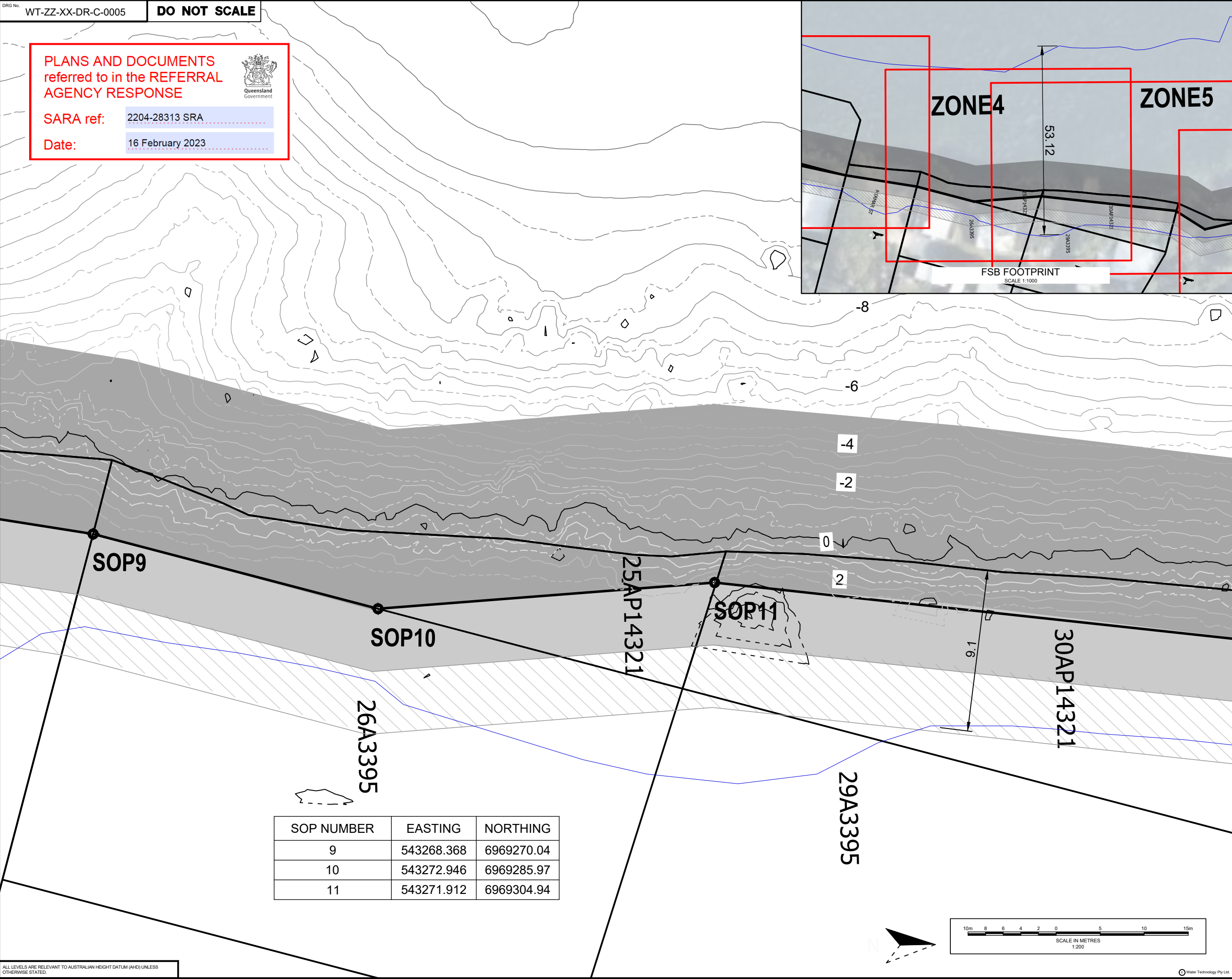
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DATE	SEP 2022	SCALE AT A3 1:200	REF: 22010367-01-0004
DRAWING No:	WT-ZZ-XX-DR-C-0004	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS  
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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



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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-0005

TITLE  
ZONE 4

15 Business Park Dr, Notting Hill, VIC 3168  
Tel +61 (0)3 8526 9800  
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DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF: 22010367-01-0005
DRAWING No.	WT-ZZ-XX-DR-C-0005	SUITABILITY	REVISION
		S1	P2

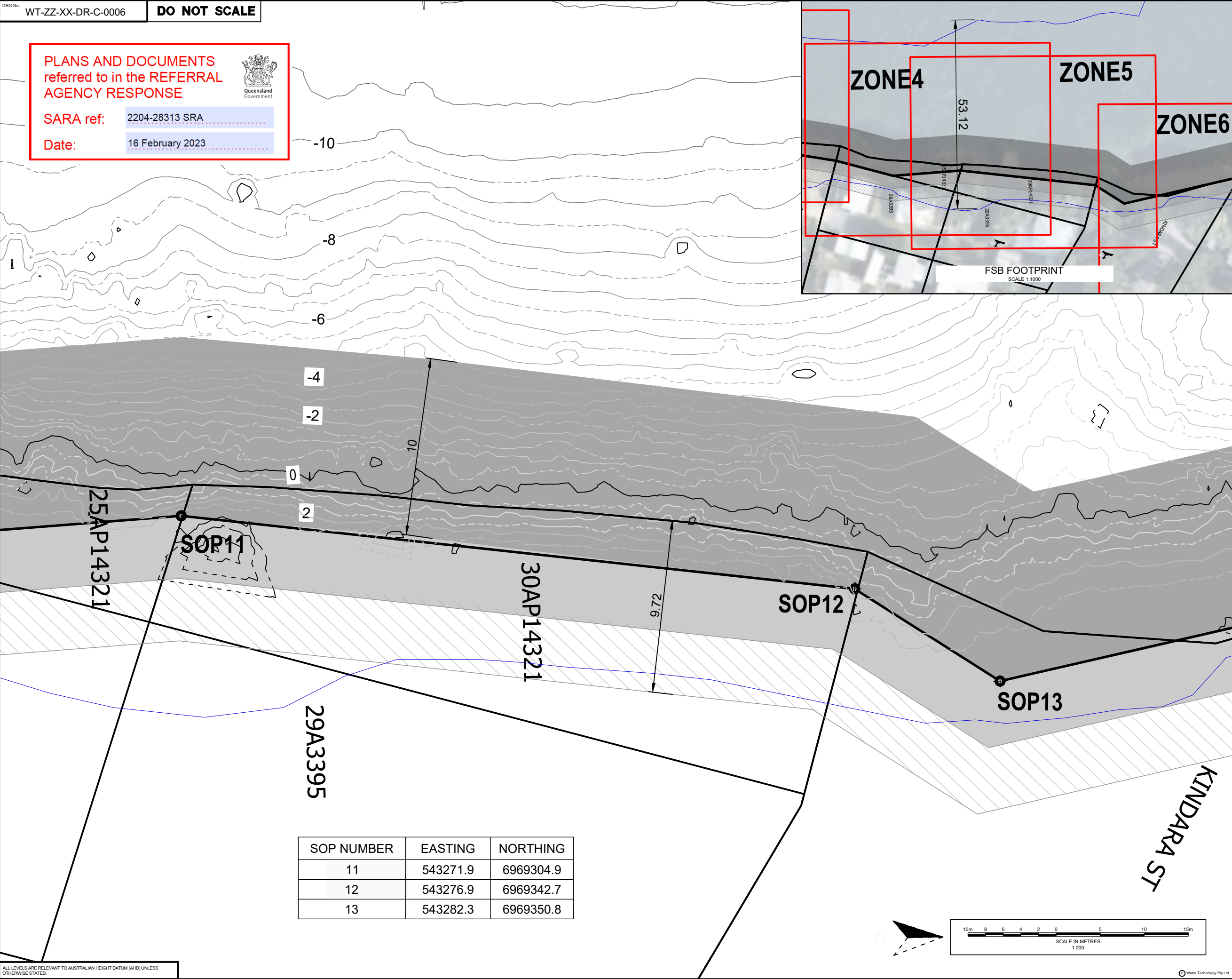


PLANS AND DOCUMENTS  
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AGENCY RESPONSE



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REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

Redland CITY COUNCIL

BIM REF:

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

TITLE

ZONE 5

WATER TECHNOLOGY  
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS  
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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  
referred to in the REFERRAL  
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023

SOP13

SOP14

SOP15

SOP16

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

KINDARA ST

2SP307049

1SP307049

ZONE5

ZONE6

ZONE7

FSB FOOTPRINT  
SCALE 1:1000

NOTES

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LEGEND

EXISTING FLOW SLIDE  
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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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REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT	
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BIM REF:	22010367-WT-ZZ-XX-DR-C-0007
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TITLE	ZONE 6
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15 Business Park Dr, Notting Hill  
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Email info@watertech.com.au  
Website www.watertech.com.au

WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

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



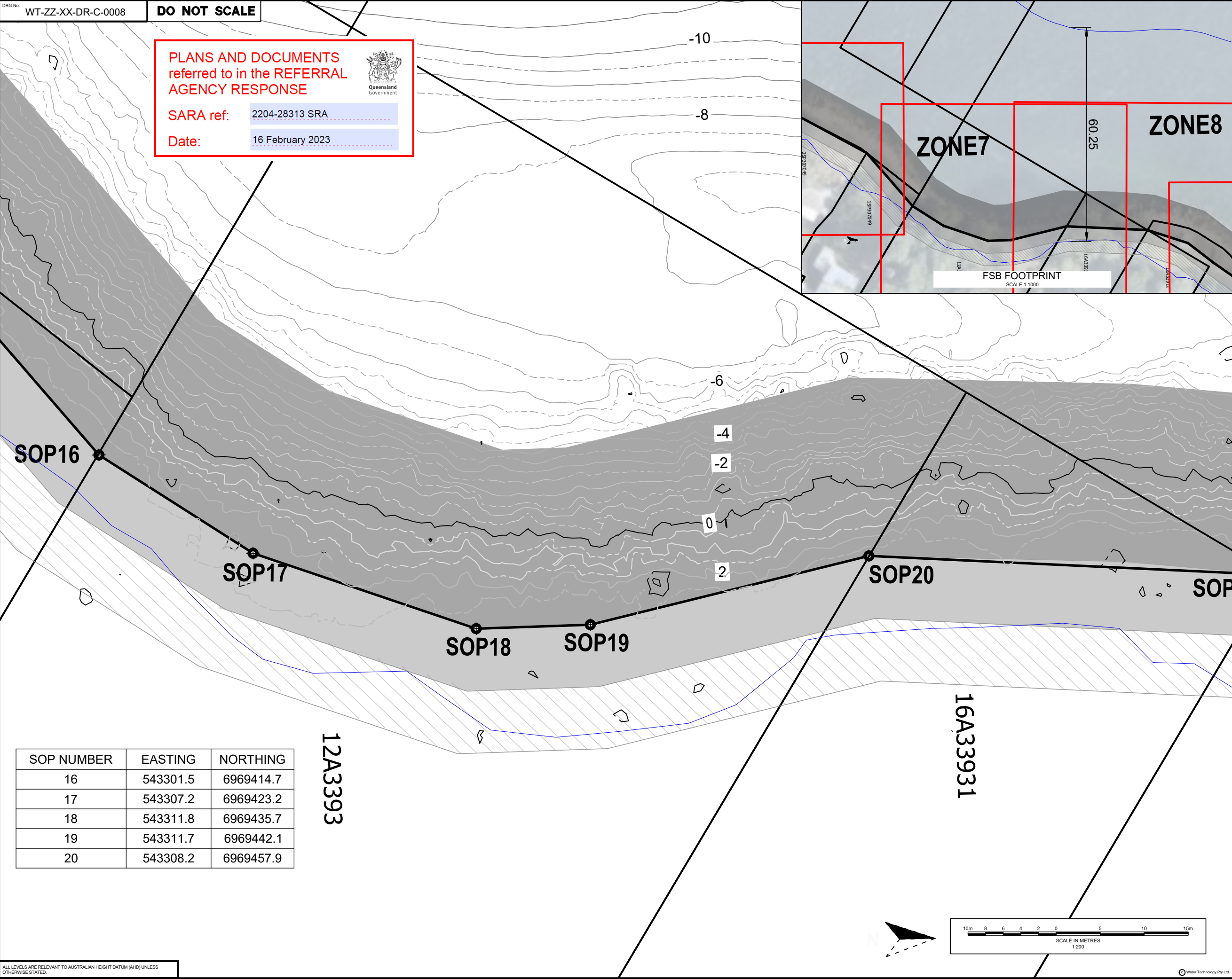
PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref:

2204-28313 SRA

Date:

16 February 2023



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

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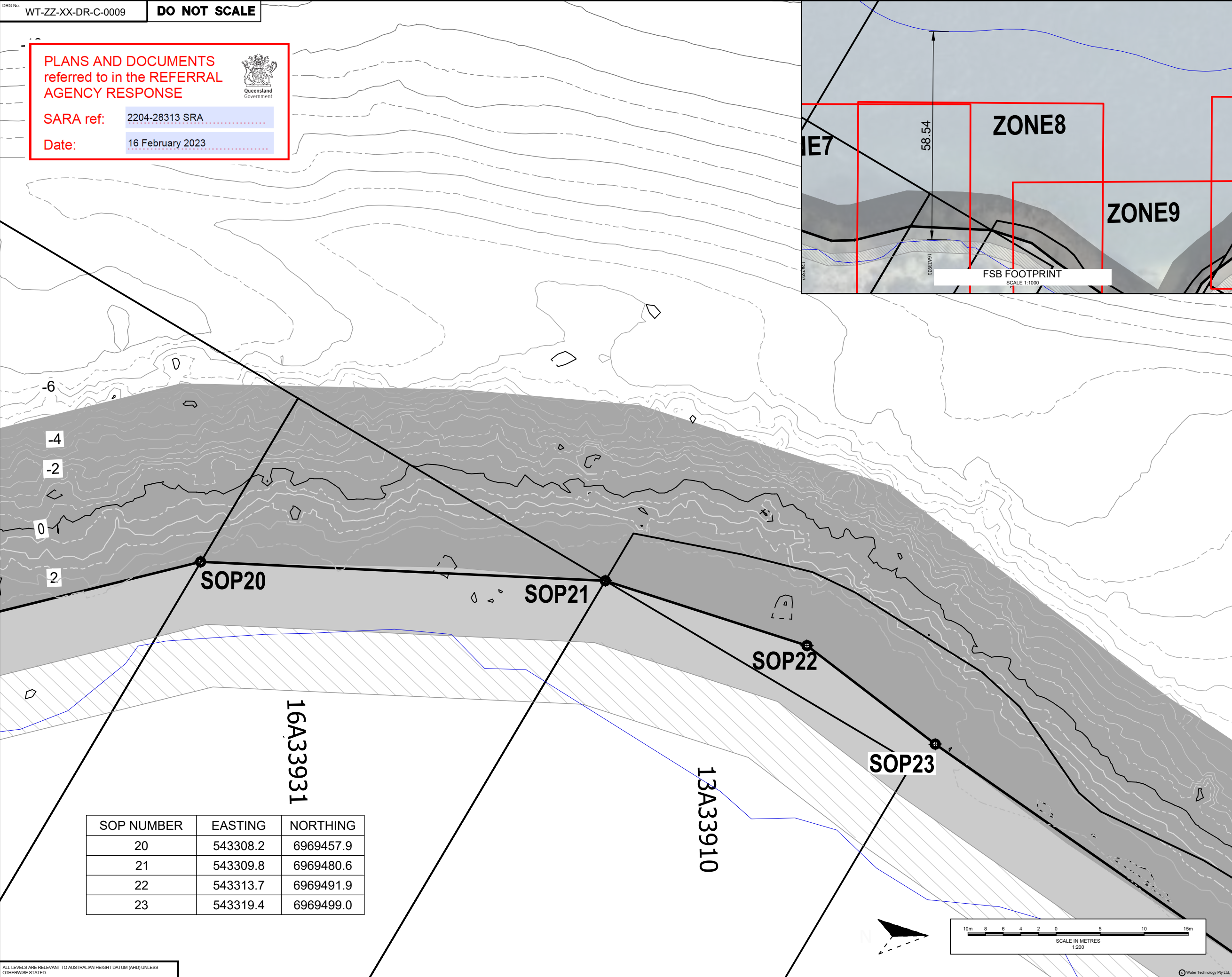
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P1	15/09/22	S1 - ISSUED FOR COMMENT	MXP	GXC	GXC
REV	DATE	DESCRIPTION	BY	CHK	APP
REVISIONS					
PROJECT					
AMITY POINT FLOW SLIDE BARRIER					
CLIENT					
BIM REF:					
22010367-WT-ZZ-XX-DR-C-0008					
TITLE					
ZONE 7					
15 Business Park Dr, Notting Hill VIC 3168 Tel +61 (0)3 8528 9800 Email info@watertech.com.au Website www.watertech.com.au					
DRAWN		CHECKED		APPROVED	
DATE		SCALE		REF	
SEP 2022		AT A3 1:200		22010367-01-0008	
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WT-ZZ-XX-DR-C-0008		S1		P2	

PLANS AND DOCUMENTS  
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3.5m BUFFER ZONE



3.5m FLEXIBLE BUFFER  
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10m ROCK DROP ZONE



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REVISIONS

PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT



BIM REF:

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

TITLE

ZONE 8



15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8526 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
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DRAWING No.	SUITABILITY	REVISION
WT-ZZ-XX-DR-C-0009	S1	P2

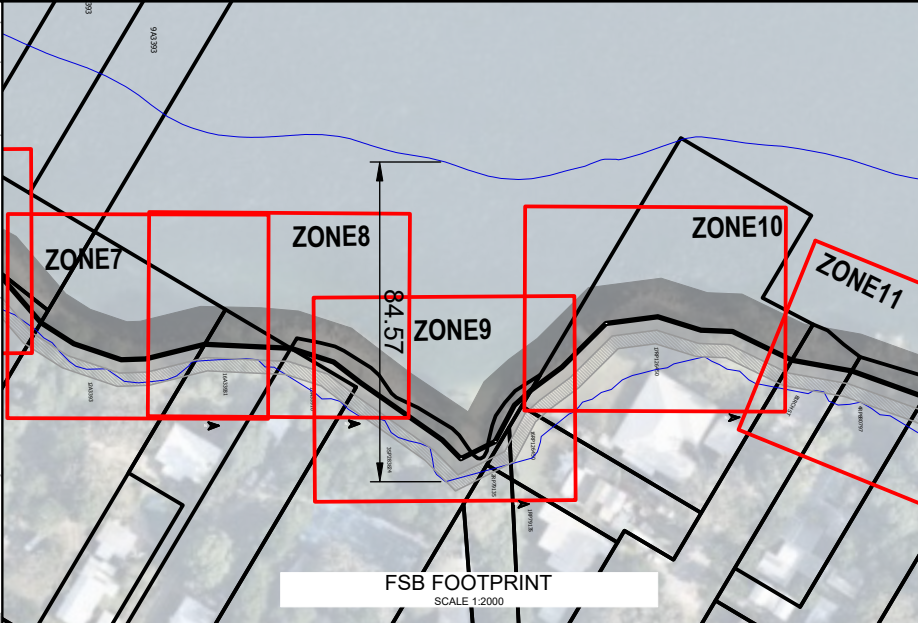


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REVISIONS

PROJECT  
AMITY POINT FLOW SLIDE BARRIER

CLIENT  

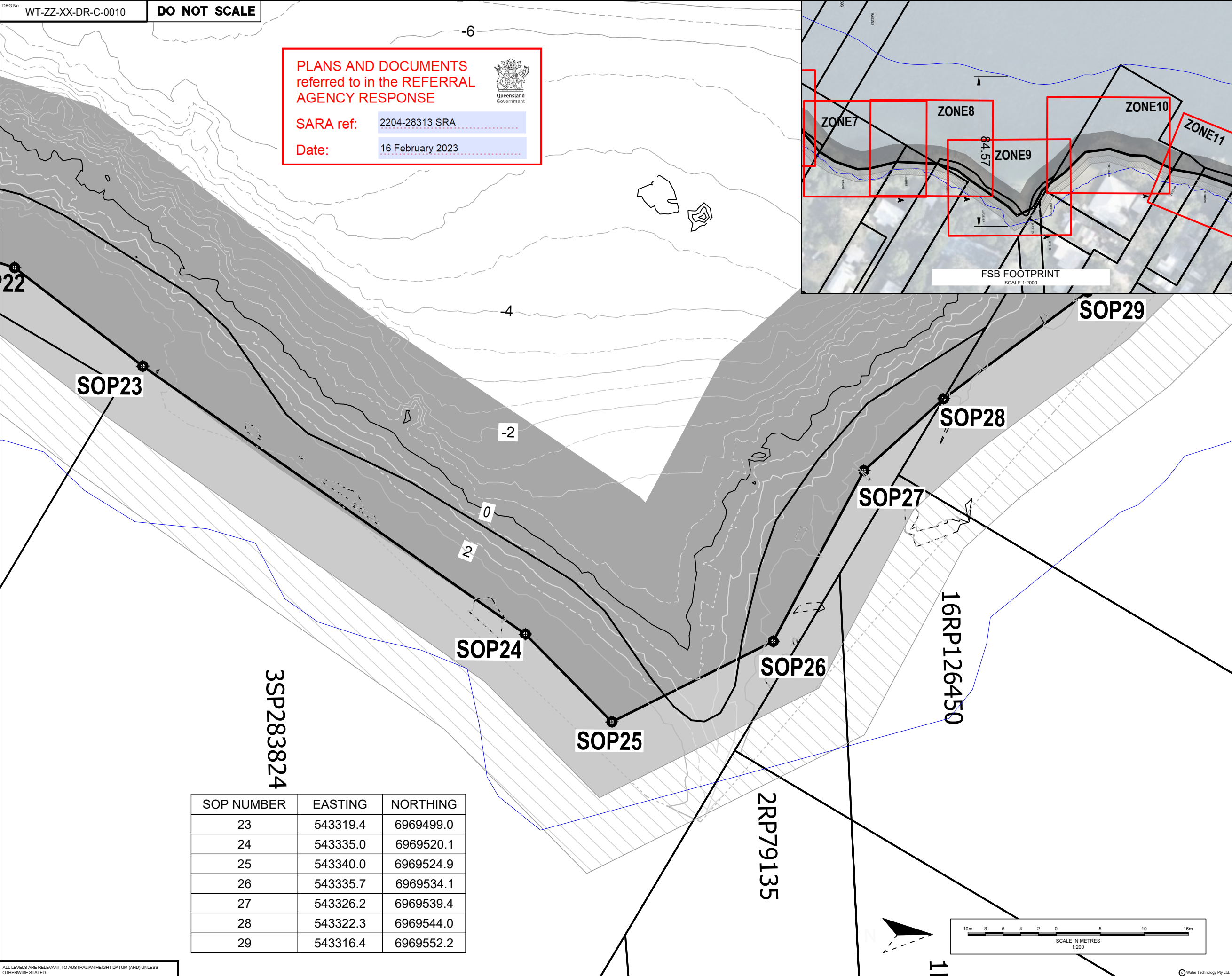

BIM REF:  
22010367-WT-ZZ-XX-DR-C-0010

TITLE  
ZONE 9



15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8520 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF: 22010367-01-0010
		AT A3	1:200
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		S1	P2

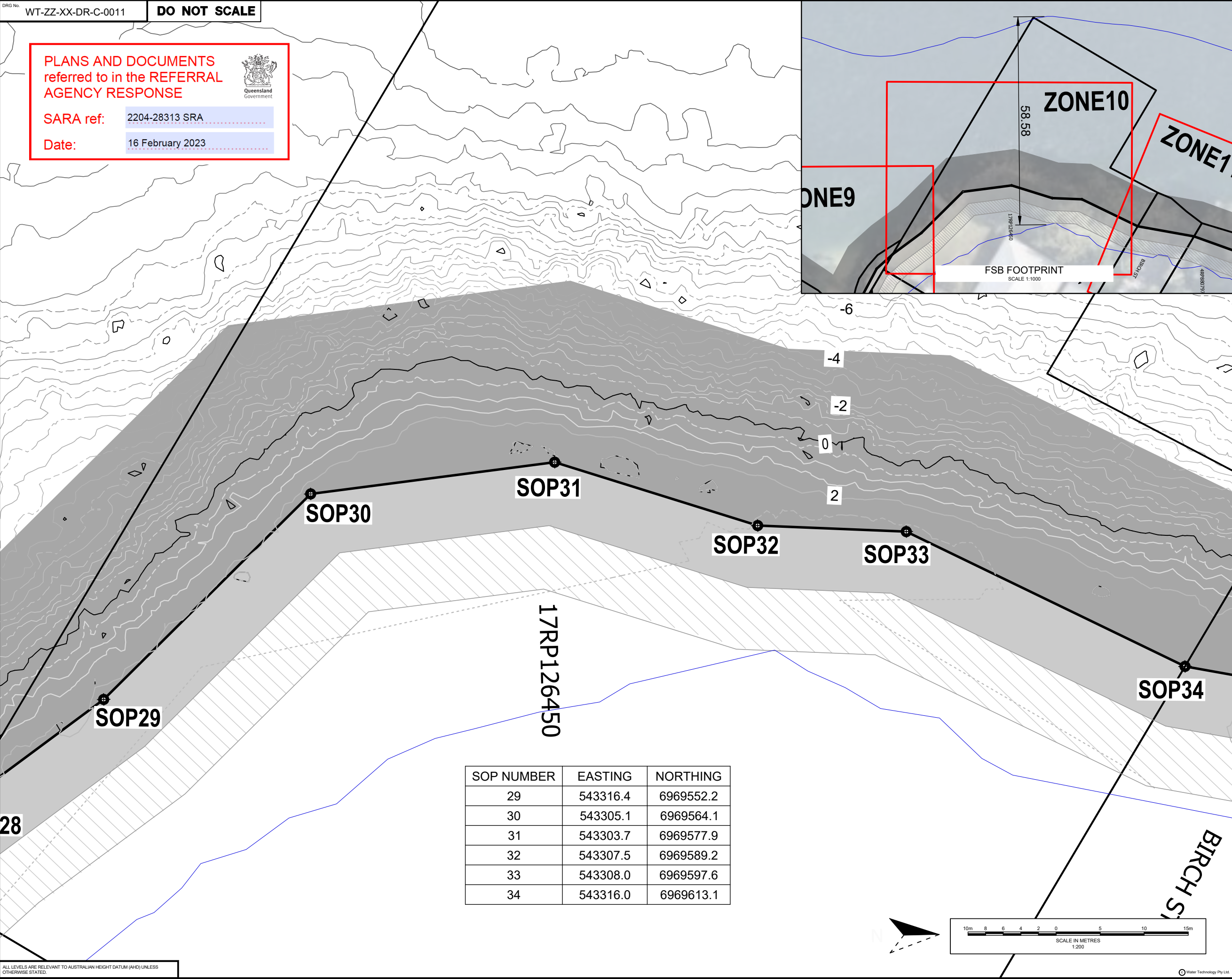


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PROJECT

AMITY POINT FLOW SLIDE BARRIER

CLIENT

**Redland CITY COUNCIL**

BIM REF:

22010367-WT-ZZ-XX-DR-C-0011

TITLE

ZONE 10

15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8520 9800  
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Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
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		REVISION	P2

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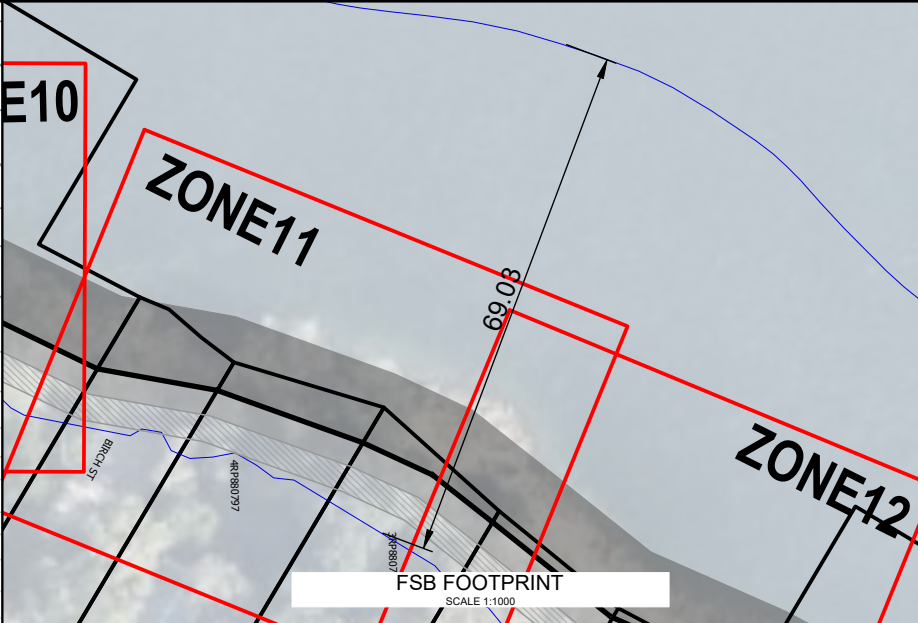
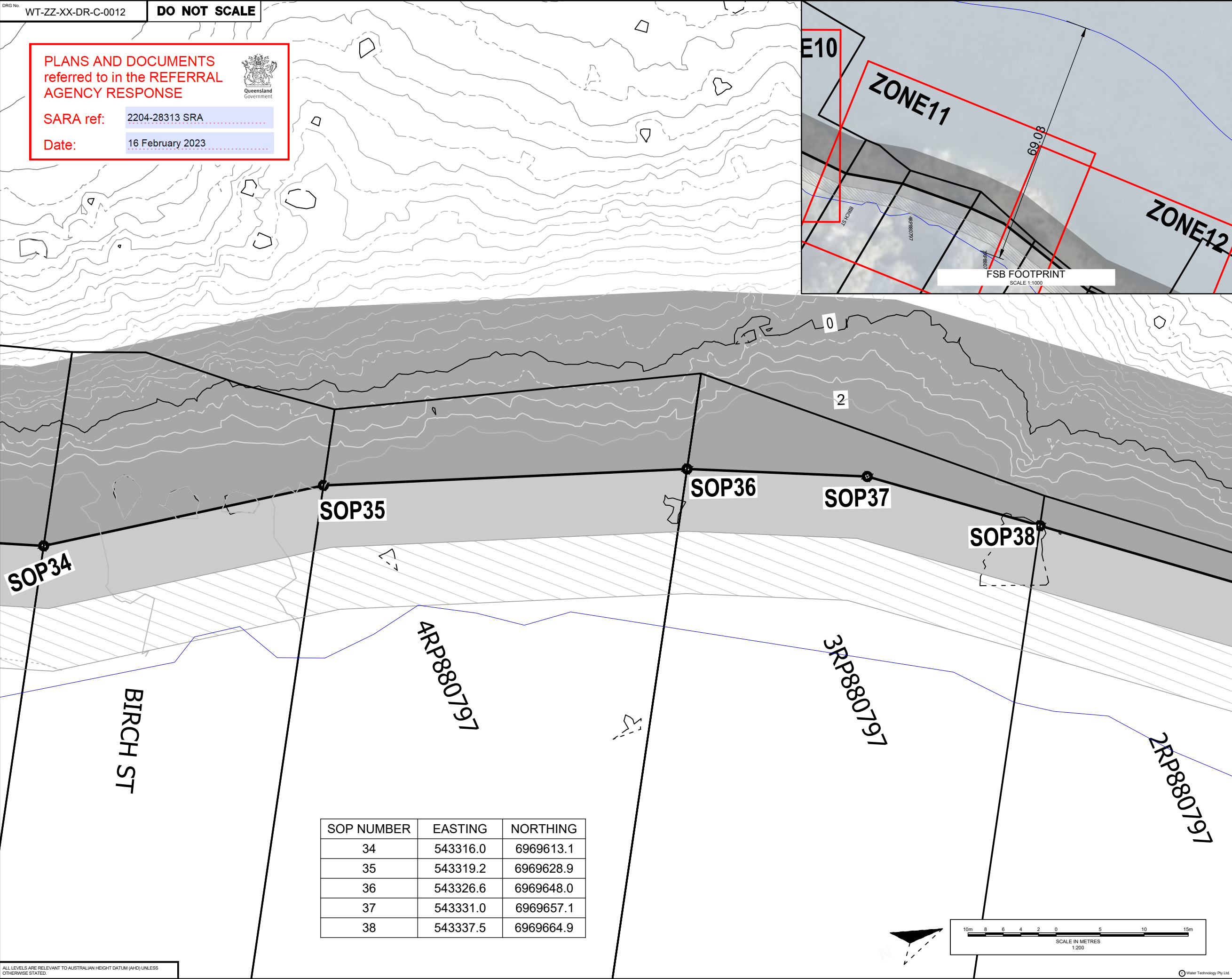


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**NOT FOR CONSTRUCTION**

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-0012

TITLE

ZONE 11

**WATER TECHNOLOGY**

15 Business Park Dr, Notting Hill, VIC 3168  
Tel +61 (0)3 8526 9800  
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

SOP NUMBER	EASTING	NORTHING
34	543316.0	6969613.1
35	543319.2	6969628.9
36	543326.6	6969648.0
37	543331.0	6969657.1
38	543337.5	6969664.9

PLANS AND DOCUMENTS  
referred to in the REFERRAL  
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023

SOP38

SOP39

SOP40

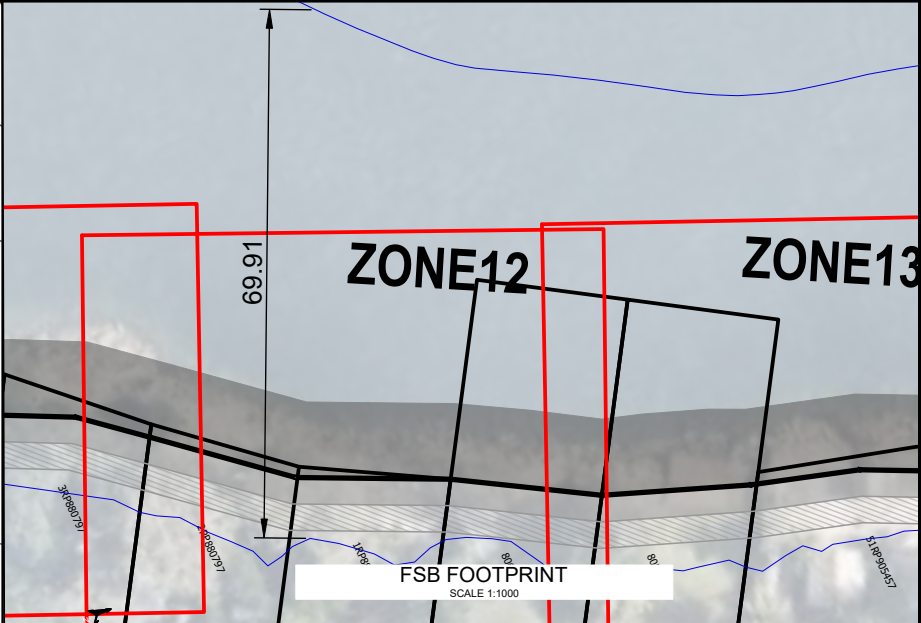
SOP41

2RP880767

1RP880767

806A3392

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	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	
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BIM REF:	22010367-WT-ZZ-XX-DR-C-0013
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TITLE	ZONE 12
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15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8526 9800  
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Website www.watertech.com.au

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

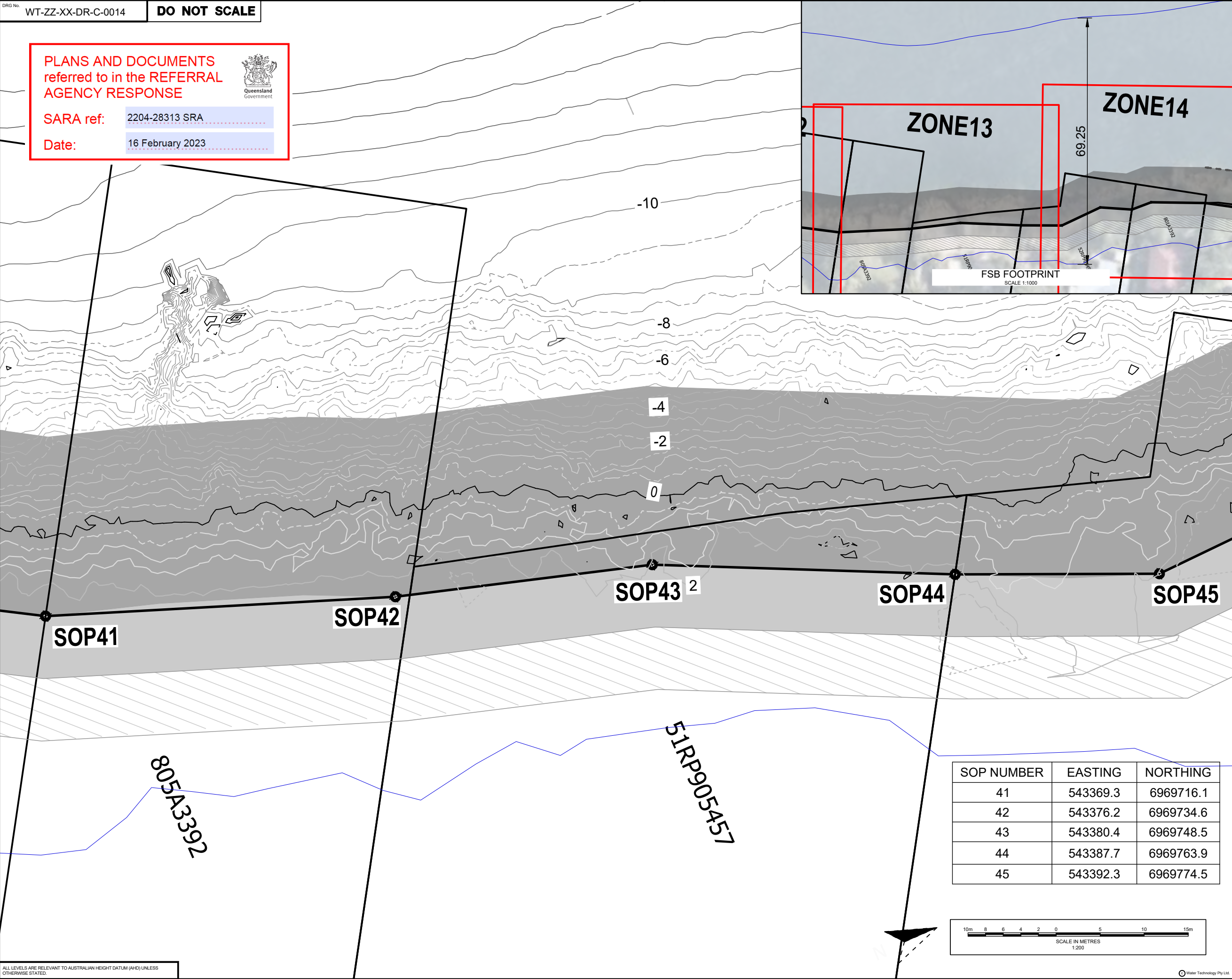


PLANS AND DOCUMENTS  
referred to in the REFERRAL  
AGENCY RESPONSE



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	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-0014

TITLE

ZONE 13

**WATER TECHNOLOGY**  
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

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

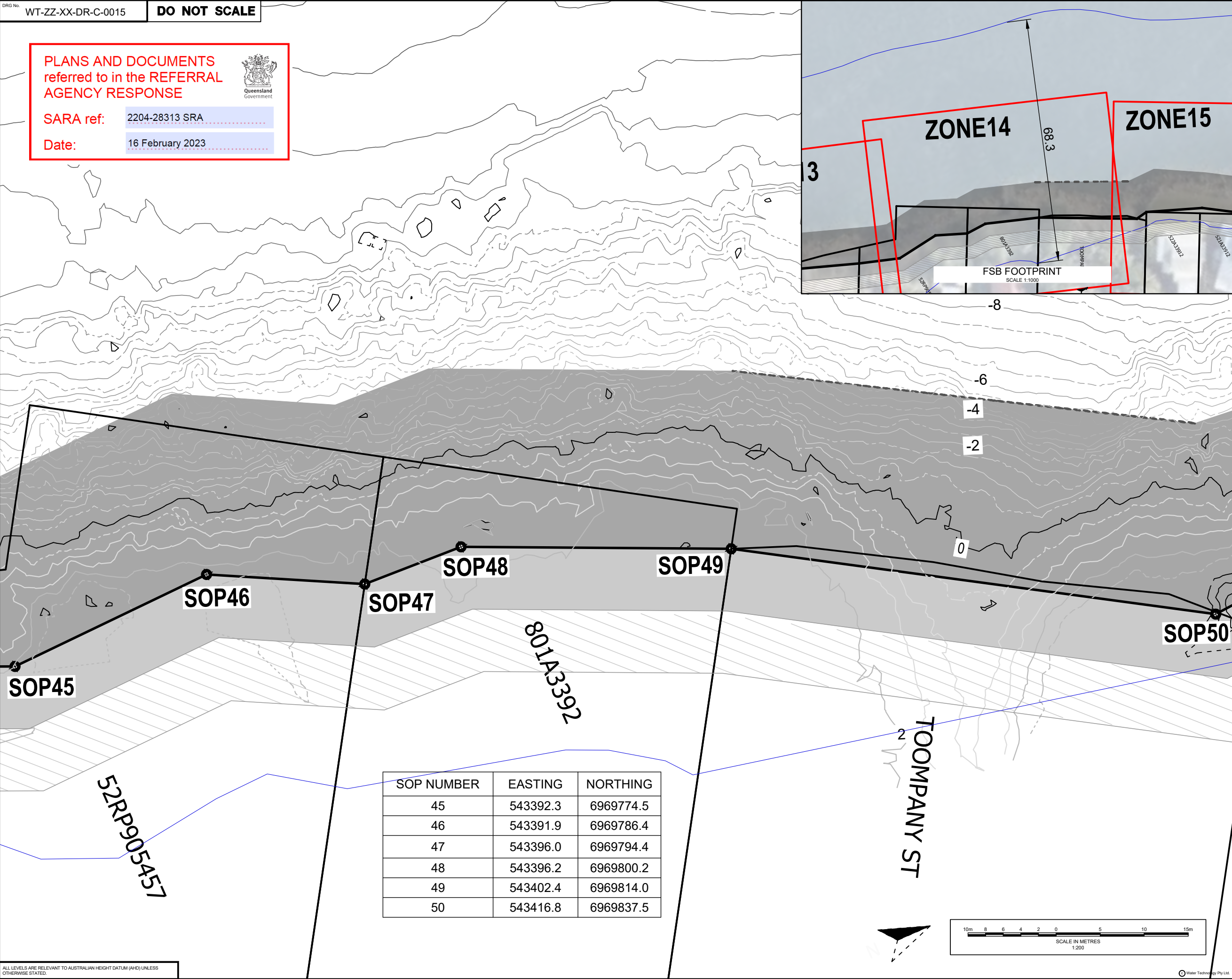
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DATE	SEP 2022	SCALE	REF:
DRAWING No.	WT-ZZ-XX-DR-C-0014	SUITABILITY	REVISION
		S1	P2

PLANS AND DOCUMENTS  
referred to in the REFERRAL  
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023



SOP NUMBER	EASTING	NORTHING
45	543392.3	6969774.5
46	543391.9	6969786.4
47	543396.0	6969794.4
48	543396.2	6969800.2
49	543402.4	6969814.0
50	543416.8	6969837.5

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	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



BIM REF:

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

TITLE

ZONE 14



DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF: 22010367-01-0015
DRAWING No.	WT-ZZ-XX-DR-C-0015	SUITABILITY	REVISION
		S1	P2

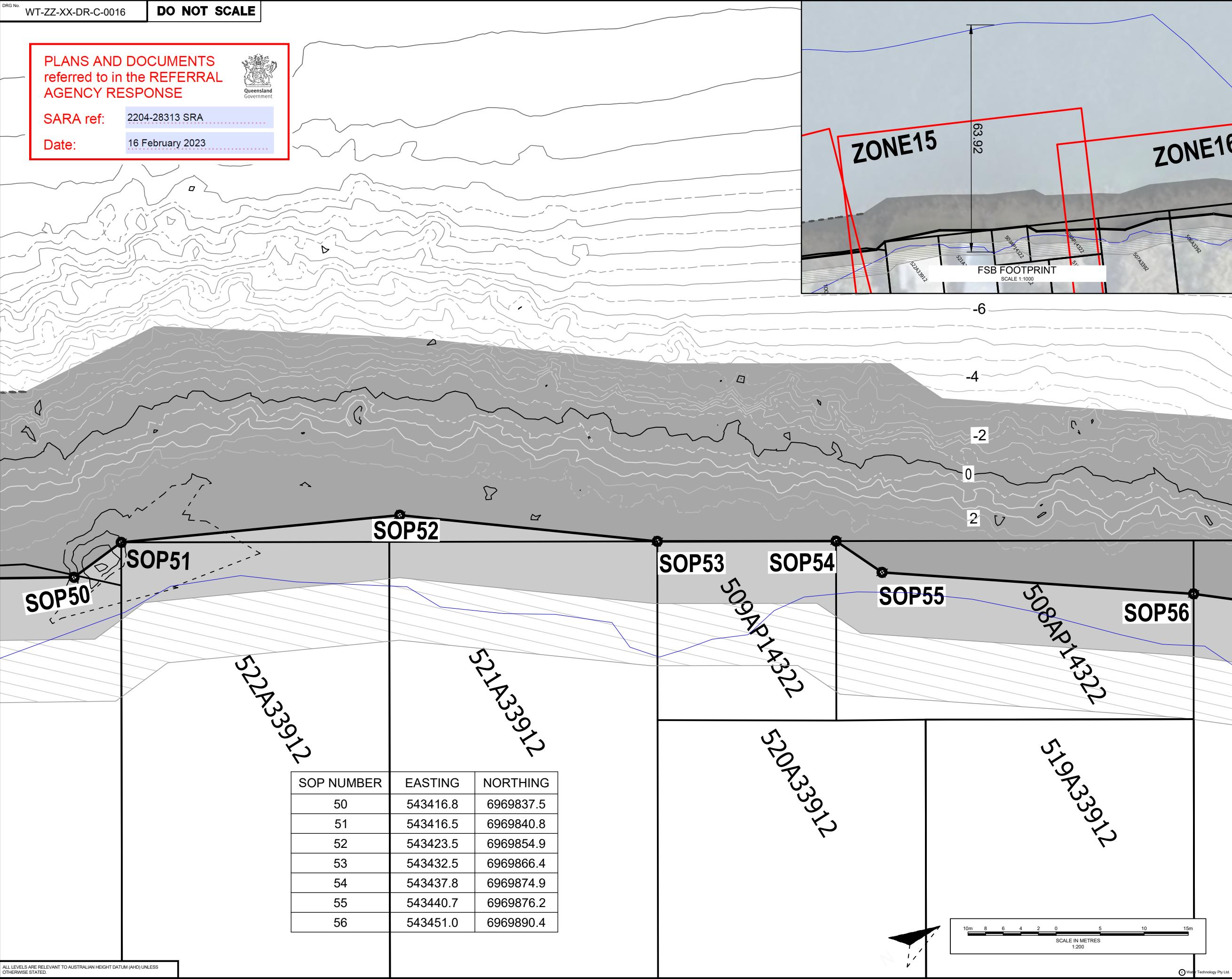


PLANS AND DOCUMENTS  
referred to in the REFERRAL  
AGENCY RESPONSE



SARA ref: 2204-28313 SRA

Date: 16 February 2023



NOTES

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	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-0016

TITLE

ZONE 15

WATER TECHNOLOGY  
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8526 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

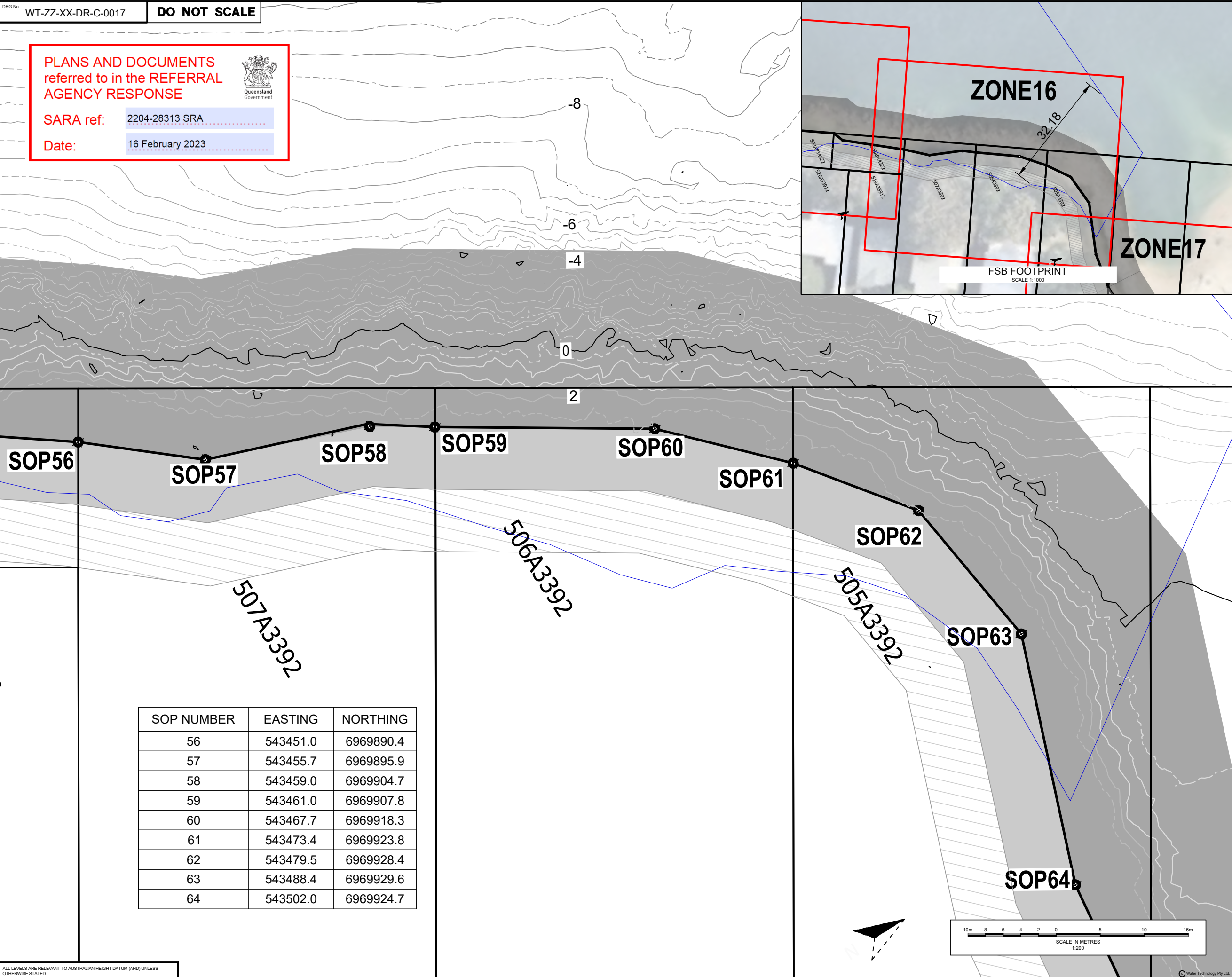
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DATE	SEP 2022	SCALE	REF: 22010367-01-0016
DRAWING No.	WT-ZZ-XX-DR-C-0016	SUITABILITY	REVISION
		S1	P2

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	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**  
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

15 Business Park Dr, Notting Hill  
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Tel +61 (0)3 8520 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

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



- 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	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-0018

TITLE

ZONE 17

**WATER TECHNOLOGY**  
WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8526 9800  
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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
64	543502.0	6969924.7
65	543511.8	6969923.5
66	543527.5	6969924.7
67	543535.7	6969926.9
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

TYPE A : PRIMARY ARMOUR

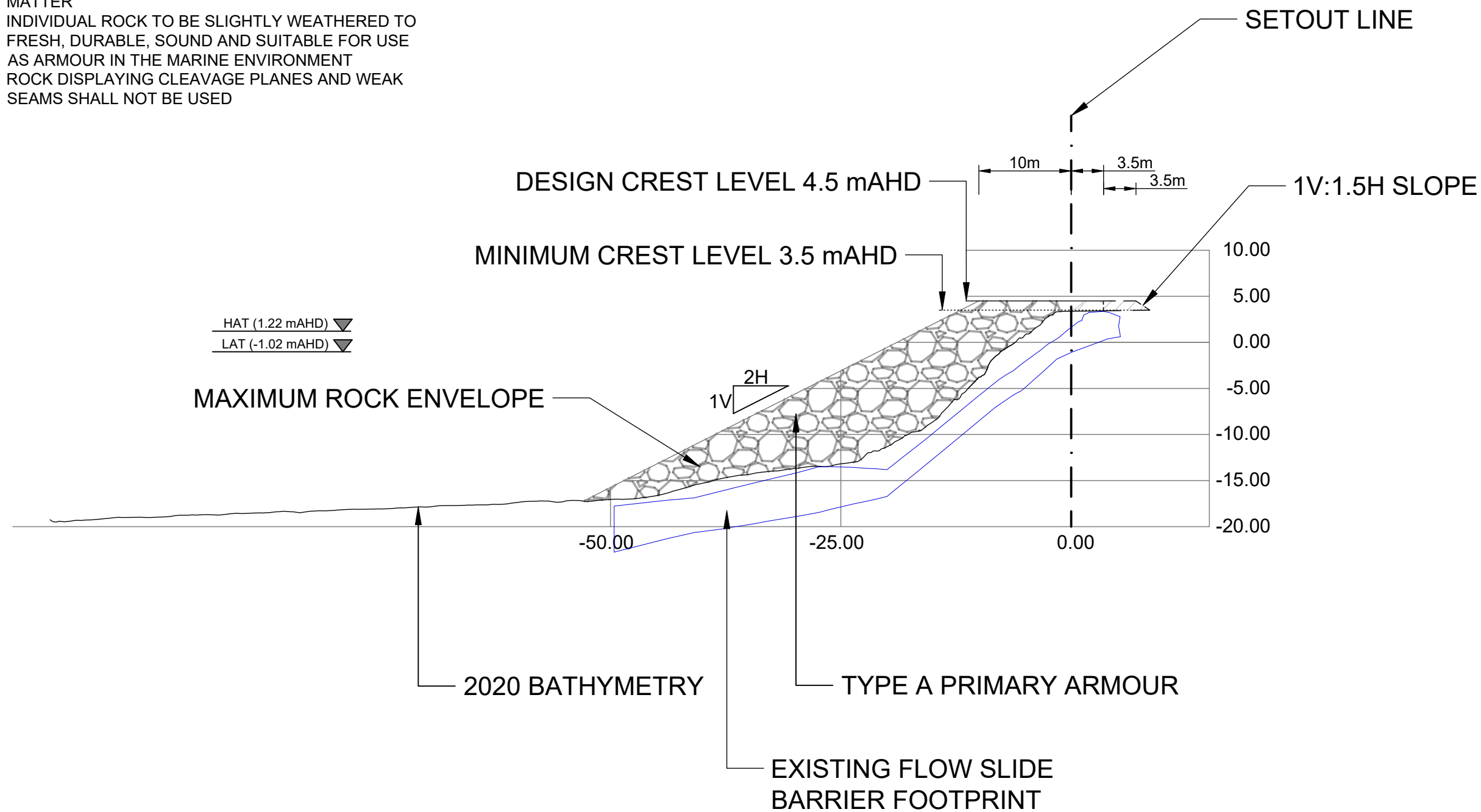
- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m<sup>3</sup>
- ARMOUR ROCK SIZE BETWEEN 0.05 TONNES AND 4 TONNES
- 50% OF ROCK IS TO BE GREATER THAN 0.34m DIAMETER
- 50% OF ROCK IS TO BE GREATER THAN 0.1 TONNES
- ROCKS ARE WELL GRADED, CLEAN, FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC 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	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-0019

TITLE

TYPICAL CROSS SECTION A

 WATER TECHNOLOGY  
15 Business Park Dr, Notting Hill VIC 3168  
Tel +61 (0)3 8526 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

WATER, COASTAL & ENVIRONMENTAL CONSULTANTS

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF:
		AT A3	22010367-01-0019
DRAWING No.	WT-ZZ-XX-DR-C-0019	SUITABILITY	REVISION
		S1	P2



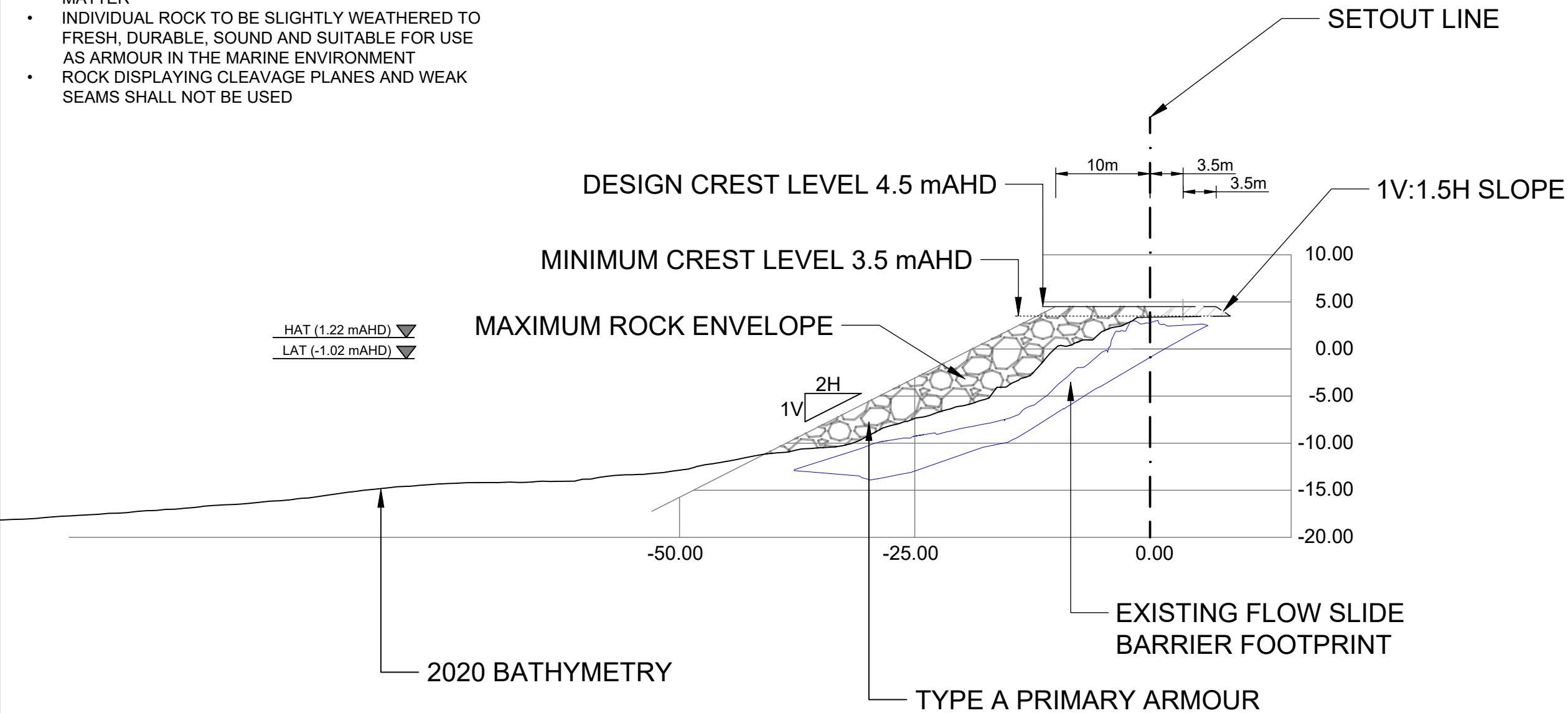
TYPE A : PRIMARY ARMOUR

- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m<sup>3</sup>
- 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	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-0020

TITLE  
TYPICAL CROSS SECTION B

15 Business Park Dr, Notting Hill  
VIC 3168  
Tel +61 (0)3 8528 9800  
Email info@watertech.com.au  
Website www.watertech.com.au

DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF: 22010367-01-0020
DRAWING No.	WT-ZZ-XX-DR-C-0020	SUITABILITY	REVISION
		S1	P2

TYPE A : PRIMARY ARMOUR

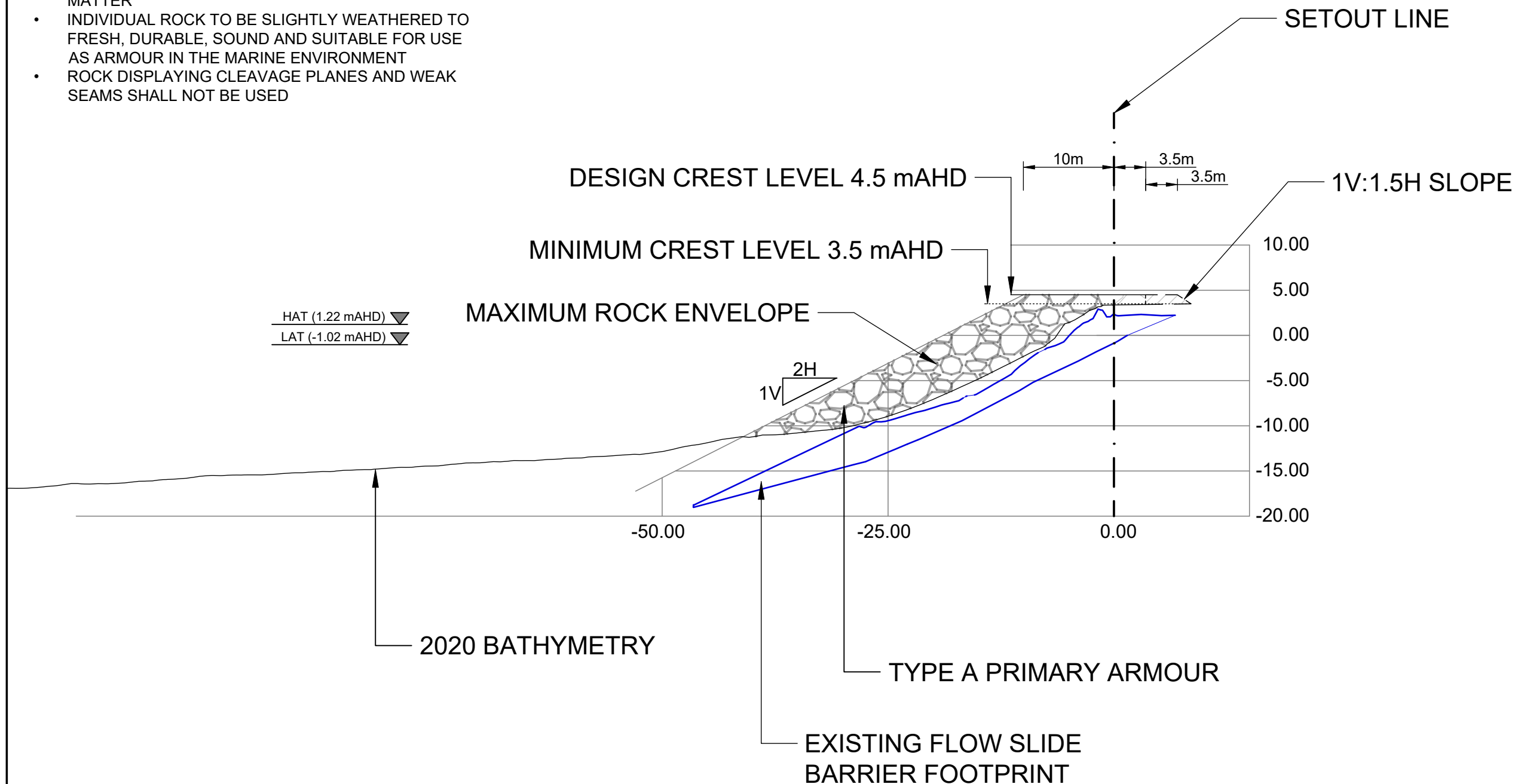
- SPECIFIC GRAVITY OF ALL ROCKS TO BE GREATER THAN 2.60 TONNES / m<sup>3</sup>
- ARMOUR ROCK SIZE BETWEEN 0.05 TONNES AND 4 TONNES
- 50% OF ROCK IS TO BE GREATER THAN 0.34m DIAMETER
- 50% OF ROCK IS TO BE GREATER THAN 0.1 TONNES
- ROCKS ARE WELL GRADED, CLEAN, FREE FROM OVERBURDEN, SPOIL, SHALE AND ORGANIC 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	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-0021

TITLE

TYPICAL CROSS SECTION C



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DRAWN	MXP	CHECKED	APPROVED
DATE	SEP 2022	SCALE	REF: 22010367-01-0021
DRAWING No.	WT-ZZ-XX-DR-C-0021	SUITABILITY	REVISION
		S1	P2