

**LEGEND**

- Pipeline Alignment (P2023\_G0\_231019\_Alignment)
- Trenchless Crossings
- Sensitive Receivers
- Community Areas
- Property boundaries
- Local Government Areas Boundaries
- State Development Areas
- Gladstone State Development Area
- Stanwell to Gladstone Infrastructure Corridor State Development Area

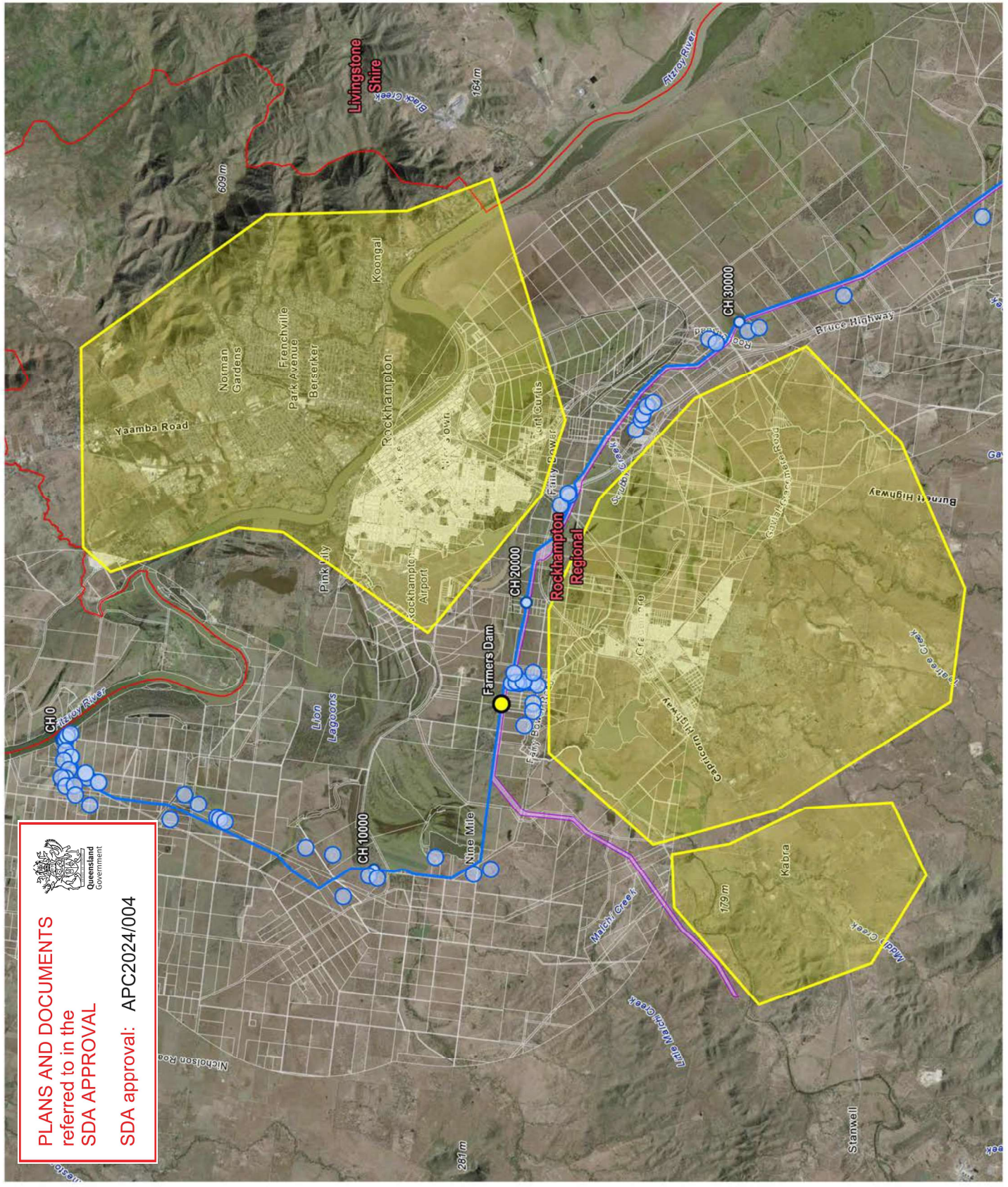
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 PROJECTION: GDA2020 MGA Zone 56

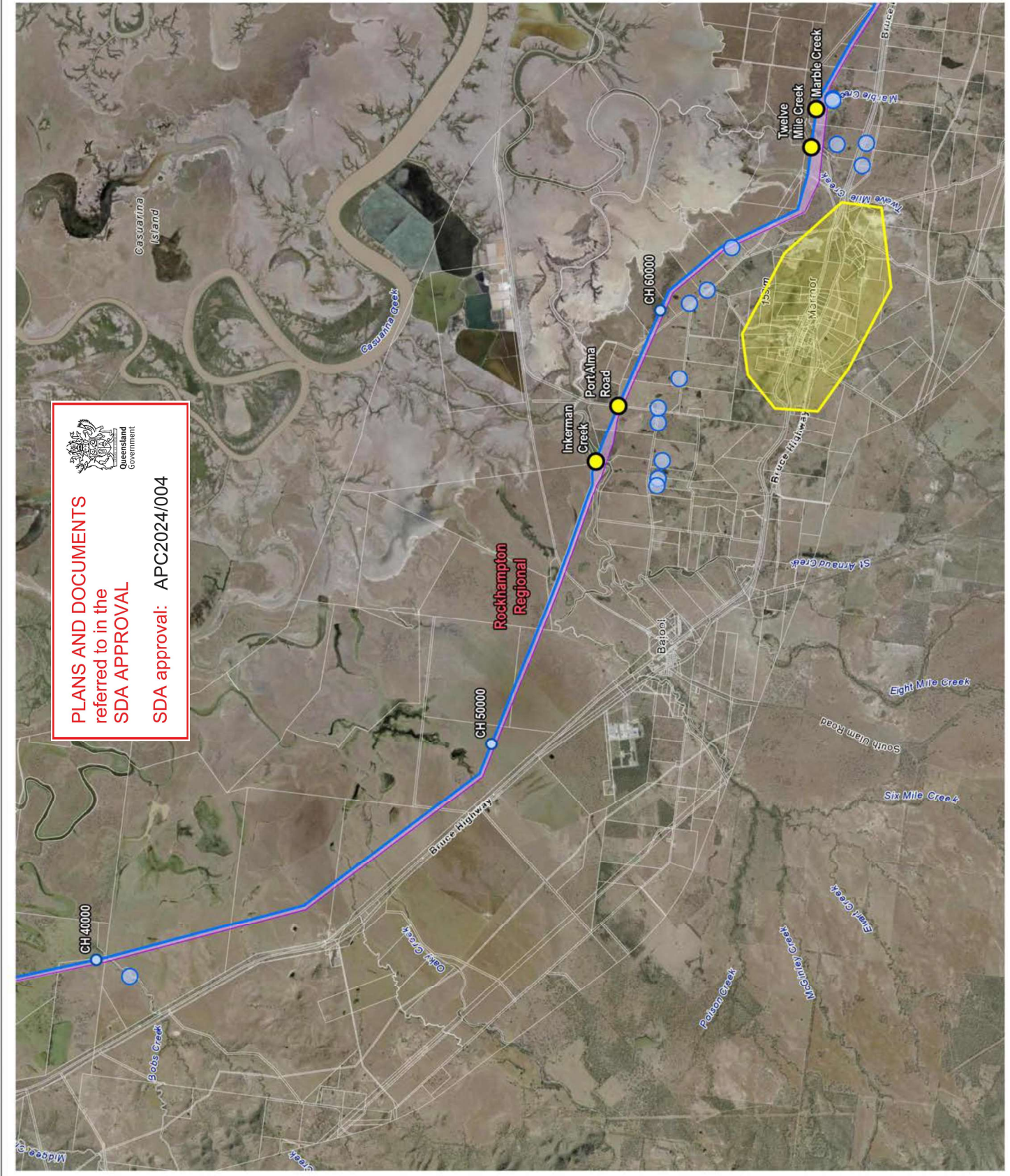
**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**  
**SENSITIVE RECEIVERS**

**Figure 2.1a FGP SGIC SDA Alignment and proposed 24-hour construction works**

DATE: 15.01.24 FILE: 1151-00-00-XLP-MAP-0027 REV: B



**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
 SDA approval: APC2024/004



  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: APC2024/004**

**LEGEND**

- Pipeline Alignment (P2023\_G02\_231019\_Alignment)
- Trenchless Crossings
- Sensitive Receivers
- Community Areas
- Property Boundaries
- Local Government Areas Boundaries
- State Development Areas
- Gladstone State Development Area
- Shallow to Gladstone Infrastructure Corridor State Development Area

**SOURCE**  
 Pipeline alignment, ROW areas and property boundaries from WPlus Aerial Imagery from QLD Spatial. (Latest Available when Printed)  
**SCALE 1:80,000**  
 PAGE SIZE: A3  
 PROJECTION: GDA2020 MGA Zone 56



**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**  
**SENSITIVE RECEPTORS**

**Figure 2.1b FGP SGIC SDA Alignment and proposed 24-hour construction works**

  
 DATE: 15.01.24 FILE: 1151-01-00-RCO-XLP-MAP-0027 REV: B

**LEGEND**

- Pipeline Alignment (P2023\_G0\_231019\_Alignment)
- Trenchless Crossings
- Sensitive Receivers
- Community Areas
- Property boundaries
- Local Government Areas Boundaries
- State Development Areas
- Gladstone State Development Area
- Shirewell to Gladstone Infrastructure Corridor State Development Area

**SOURCE**  
 Pipeline alignment, ROW areas and property boundaries from WPlus Aerial imagery from QLD Spatial. (Latest Available when Printed)

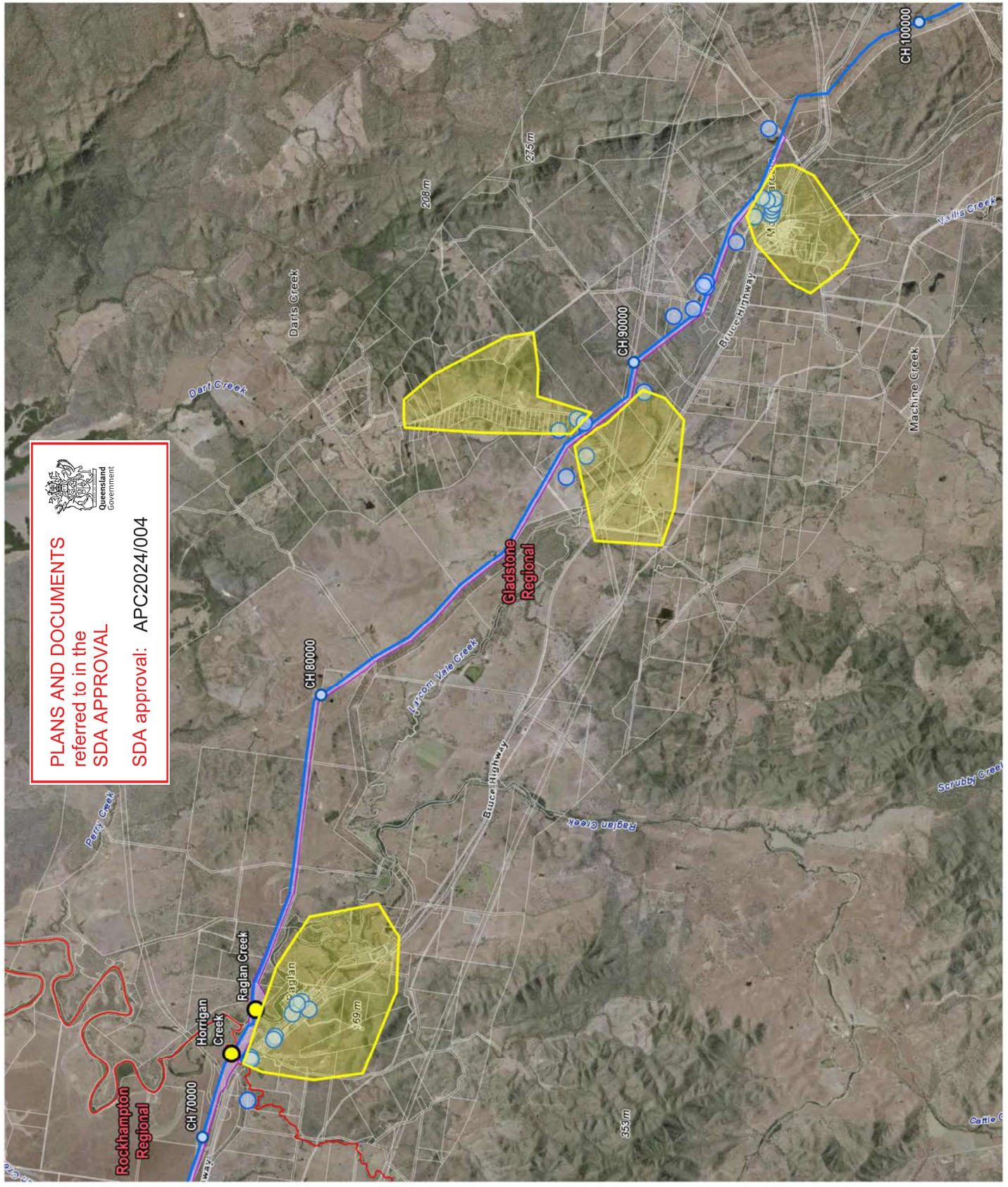
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 PROJECTION: GDA2020 MGA Zone 56

**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**  
**SENSITIVE RECEPTORS**

**Figure 2.1c FGP SGIC SDA Alignment and proposed 24-hour construction works**

**McCONNELL DOWELL**  
 CREATIVE CONSTRUCTION

DATE: 15.03.24 FILE: 1151-01-00-MD-XLP-MAP-0027 REV: B



**Government of Queensland**

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: APC2024/004**

- LEGEND**
- Pipeline Alignment (P2023\_GD\_231019\_Alignment)
  - Trenchless Crossings
  - Sensitive Receivers
  - Community Areas
  - Property boundaries
  - Local Government Areas Boundaries
  - State Development Areas
  - Gladstone State Development Area
  - Showell to Gladstone Infrastructure Corridor State Development Area

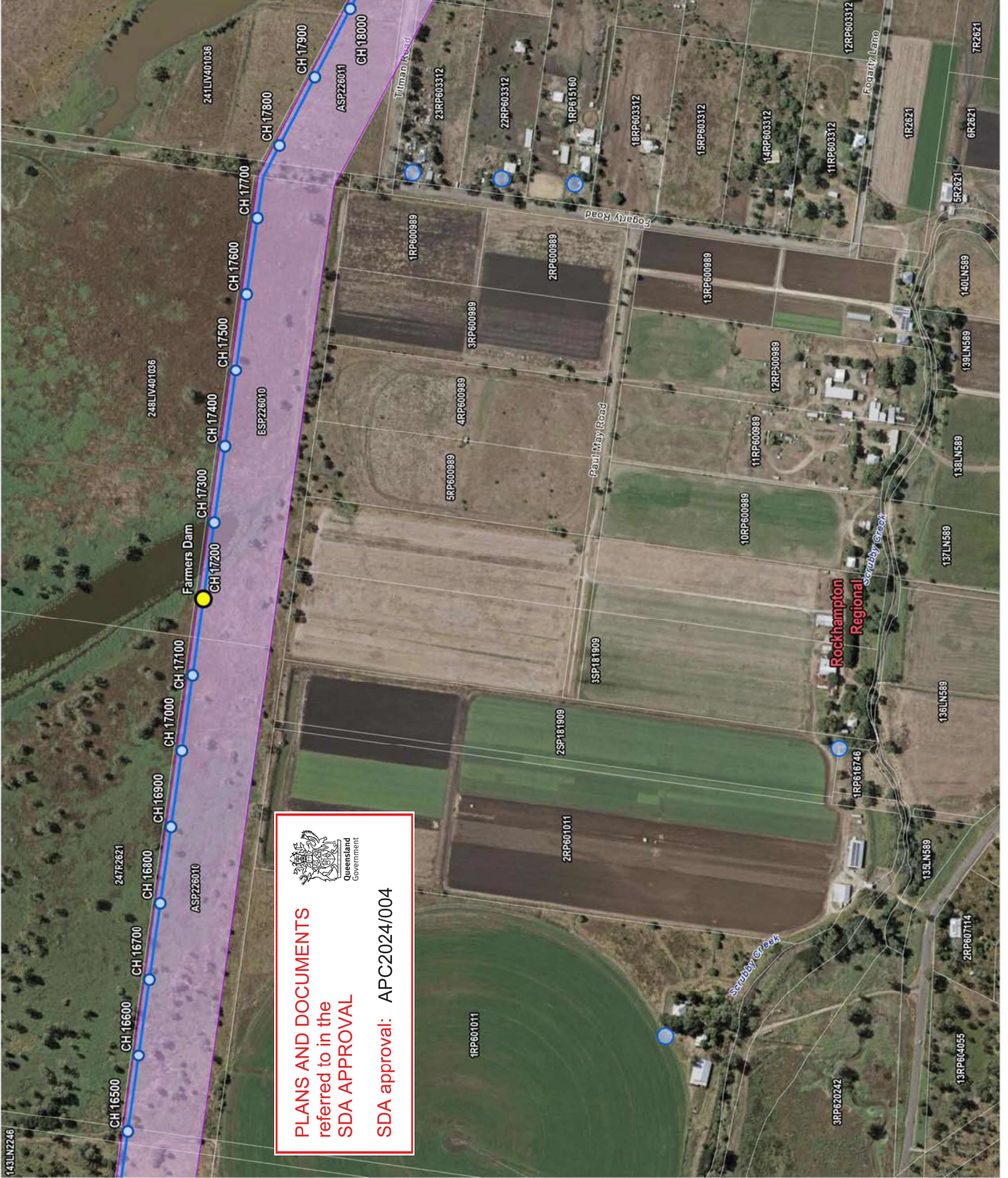
SOURCE  
 Pipeline alignment, ROW areas and property boundaries from WCPPlus  
 Aerial imagery from QLD Spatial. (Latest Available when Printed)



**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**

**SENSITIVE RECEPTORS**  
**FARMERS DAM**

**Figure 3.1a Location of proposed 24 hour works**



Queensland Government

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: APC2024/004**

**LEGEND**

- Pipeline Alignment (P2023\_GC\_231019\_Alignment)
- Trenchless Crossings
- Sensitive Receivers
- Community Areas
- Property boundaries
- Local Government Areas Boundaries
- State Development Areas
- Gladstone State Development Area
- Shirewell to Gladstone Infrastructure Corridor State Development Area

**SOURCE**  
 Pipeline alignment, ROW areas and property boundaries from WPlus Aerial imagery from QLD Spatial. (Latest Available when Printed)

**SCALE 1:10,700**  
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 PROJECTION: GDA2020 MGA Zone 56

**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**

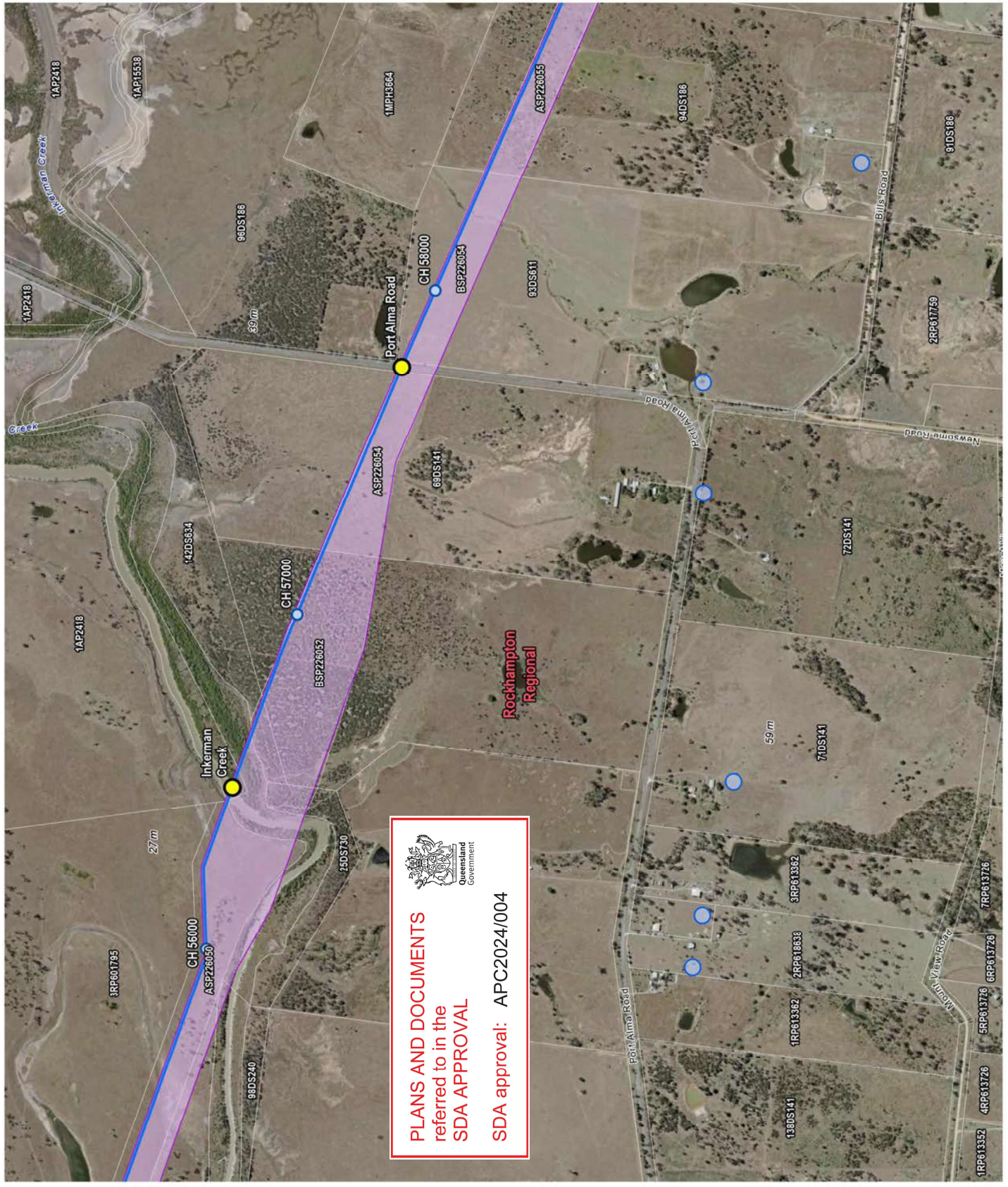
**SENSITIVE RECEPTORS**  
**INKERMAN CREEK & PORT ALMA ROAD**

**Figure 3.1b Location of proposed 24 hour works**

**McCONNELL DOWELL**  
 CREATIVE CONSTRUCTION

**BMD**

DATE: 15.01.24 FILE: 1151-00-00-CD-XLP-MAP-0029 REV: A



**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: APC2024/004**

- LEGEND**
- Pipeline Alignment (P2023\_02\_231019\_Alignment)
  - Trenchless Crossings
  - Sensitive Receivers
  - Community Areas
  - Property boundaries
  - Local Government Areas Boundaries
  - State Development Areas
  - Gladstone State Development Area
  - Shirewell to Gladstone Infrastructure Corridor State Development Area

**SOURCE**  
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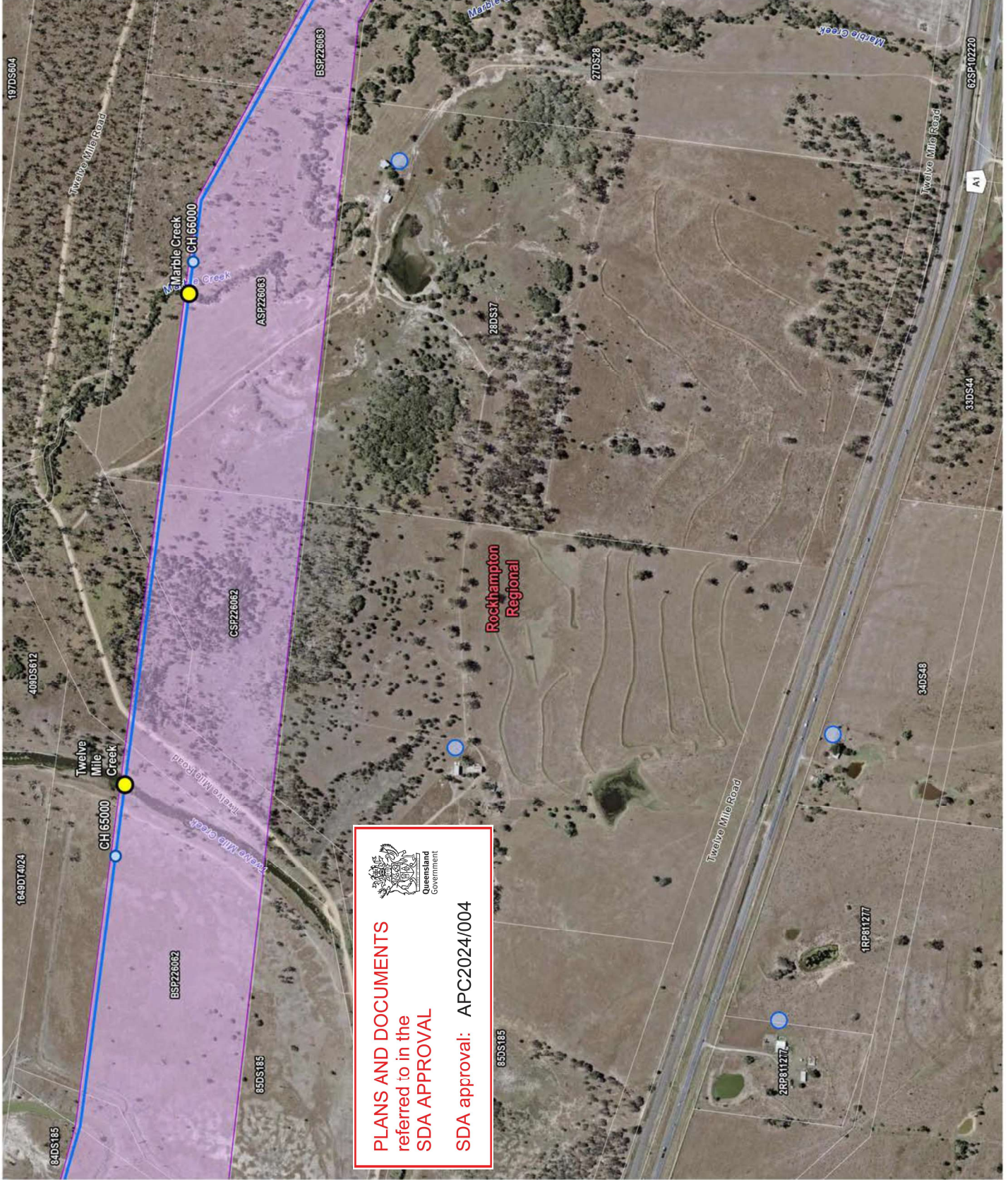
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**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**  
**SENSITIVE RECEPTORS**  
**TWELVE MILE & MARBLE CREEK**

**Figure 3.1c Location of proposed 24 hour works**

**McCONNELL DOWELL**  
 CREATIVE CONSTRUCTION

**BMD**



Queensland Government

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: APC2024/004**

**LEGEND**

- Pipeline Alignment (P2023\_G0\_231019\_Alignment)
- Trenchless Crossings
- Sensitive Receivers
- Community Areas
- Property Boundaries
- Local Government Areas Boundaries
- State Development Areas
- Gladstone State Development Area
- Shawell to Gladstone Infrastructure Corridor State Development Area

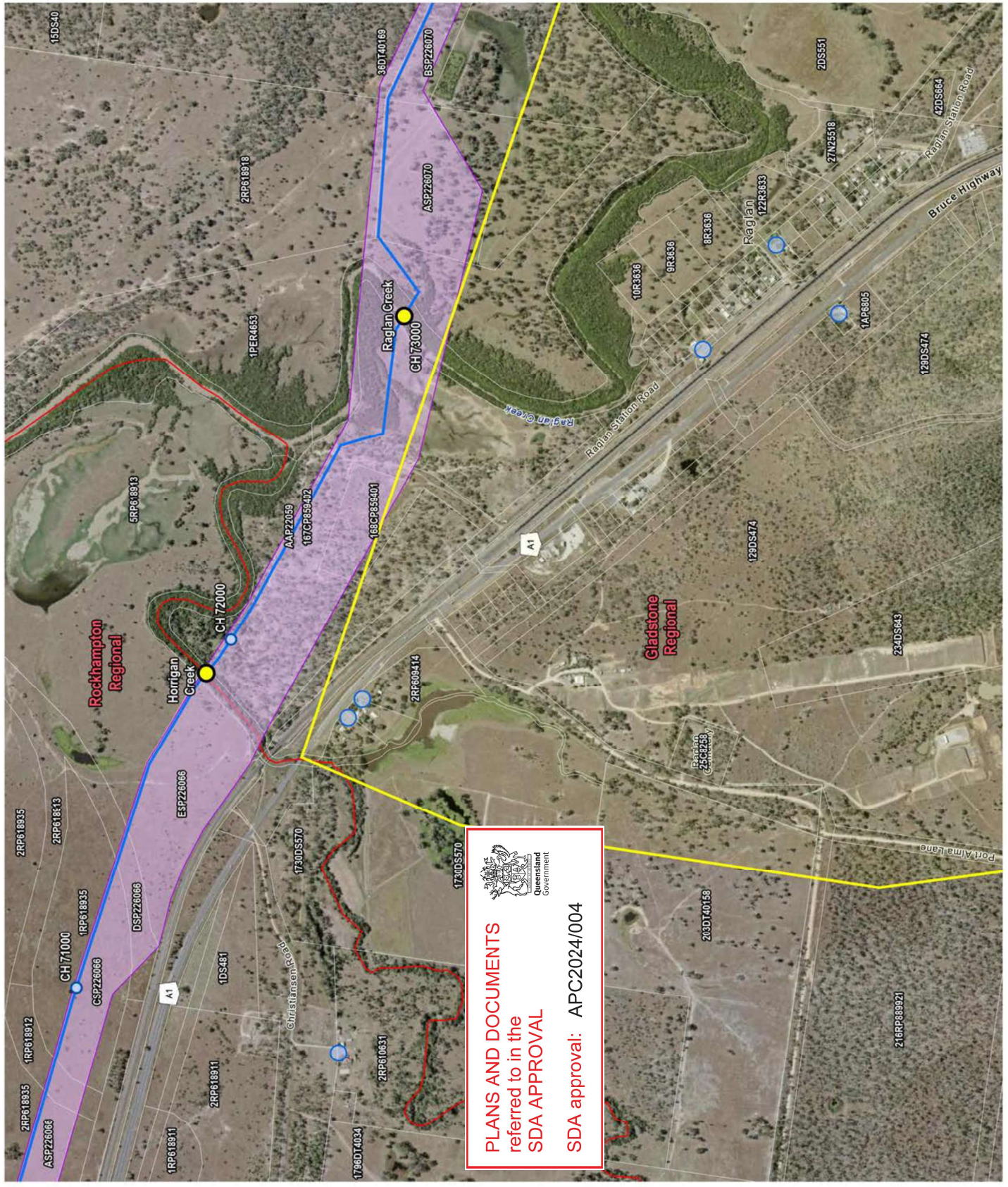
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**GLADSTONE AREA WATER BOARD**  
**FITZROY TO GLADSTONE PIPELINE**  
**SENSITIVE RECEPTORS**  
**RAGLAN & HERRIGAN CREEK**  
**Figure 3.1d Location of proposed 24 hour works**

**McCONNELL DOWELL**  
 CREATIVE CONSTRUCTION

DATE: 15.01.24 FILE: 1151-00-00-MCD-XLP-MAP-0029 REV: A



Queensland Government

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: APC2024/004**

# FITZROY TO GLADSTONE PIPELINE PROJECT

## ALTON DOWNS TO RAGLAN PIPELINE : 34100 COVER SHEET

### GENERAL

<b>DRAWING No.</b>	30032656-DWG-34100-C-4000
--------------------	---------------------------

### CIVIL WORKS

<b>DRAWING No.</b>	30032656-DWG-34100-C-4001	KEY PLAN - SHEET 1
	30032656-DWG-34100-C-4002	KEY PLAN - SHEET 2
	30032656-DWG-34100-C-4003	KEY PLAN - SHEET 3
	30032656-DWG-34100-C-4018	LAYOUT PLAN - SHEET 1
	30032656-DWG-34100-C-4019	LAYOUT PLAN - SHEET 2
	30032656-DWG-34100-C-4020	LAYOUT PLAN - SHEET 3
	30032656-DWG-34100-C-4021	LAYOUT PLAN - SHEET 4
	30032656-DWG-34100-C-4022	LAYOUT PLAN - SHEET 5
	30032656-DWG-34100-C-4023	LAYOUT PLAN - SHEET 6
	30032656-DWG-34100-C-4024	LAYOUT PLAN - SHEET 7
	30032656-DWG-34100-C-4025	LAYOUT PLAN - SHEET 8
	30032656-DWG-34100-C-4026	LAYOUT PLAN - SHEET 9
	30032656-DWG-34100-C-4027	LAYOUT PLAN - SHEET 10
	30032656-DWG-34100-C-4028	LAYOUT PLAN - SHEET 11
	30032656-DWG-34100-C-4029	LAYOUT PLAN - SHEET 12
	30032656-DWG-34100-C-4030	LAYOUT PLAN - SHEET 13
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	30032656-DWG-34100-C-4036	LAYOUT PLAN - SHEET 19
	30032656-DWG-34100-C-4037	LAYOUT PLAN - SHEET 20
	30032656-DWG-34100-C-4038	LAYOUT PLAN - SHEET 21
	30032656-DWG-34100-C-4039	LAYOUT PLAN - SHEET 22
	30032656-DWG-34100-C-4040	PLAN AND LONG SECTION - GENERAL NOTES AND LEGEND

### GEOTECHNICAL

<b>DRAWING No.</b>	30032656-DWG-34100-U-4190	RIDGELANDS ROAD CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4191	CAPRICORN HIGHWAY CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4192	BRUCE HIGHWAY / YEPPEEN RAIL LINE CROSSING - PLAN & LONG SECTION
	30032656-DWG-34100-U-4193	BAJLOOL RAIL SIDING CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4194	INKERMAN CREEK CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4195	HORRIGAN CREEK CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4196	RAGLAN CREEK CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4197	GAVAL CREEK CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4198	BOBS CREEK CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4199	BAJLOOL PORT ALIMA ROAD CROSSING - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4200	RAIL LINE CROSSING LOT 2RP603319 - PLAN AND LONG SECTION
	30032656-DWG-34100-U-4201	LION LAGOON CREEK CROSSING - PLAN AND LONG SECTION



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**

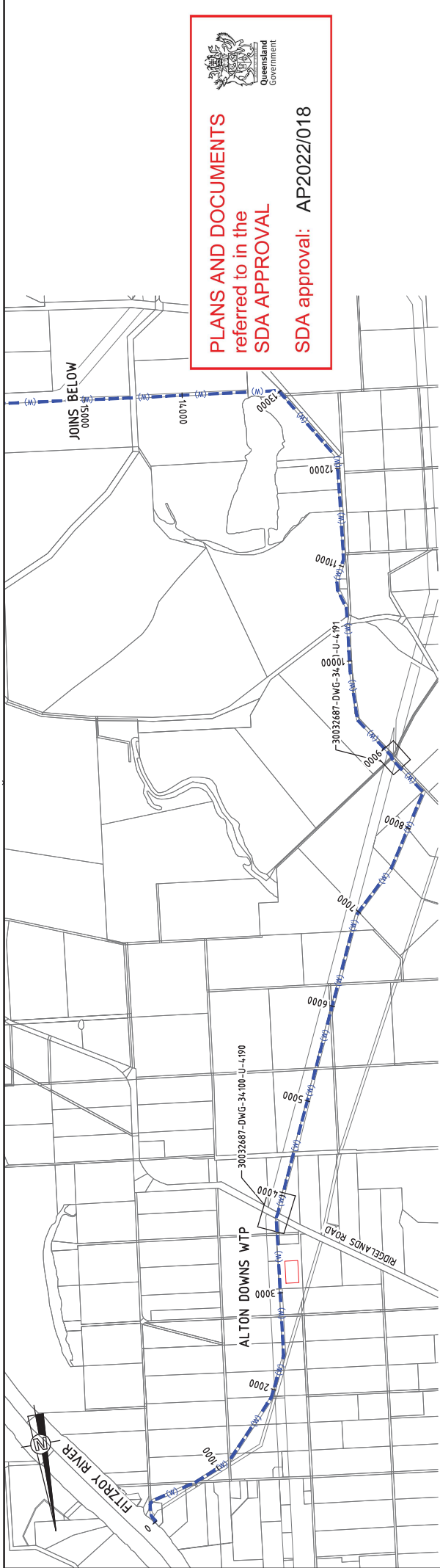
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<b>CLIENT</b>	30GLA - ALTON DOWNS TO RAGLAN PIPELINE
<b>PROJECT TITLE</b>	GENERAL COVER SHEET
<b>SCALE</b>	AS SHOWN
<b>DATE</b>	21 Nov 2022
<b>ISSUED FOR</b>	30% CONCEPT DESIGN
<b>DESIGNER</b>	J. WAGEMAR
<b>CHECKER</b>	M. SERRANO LOPEZ
<b>PROJECT MANAGER</b>	M. SERRANO LOPEZ
<b>PROJECT DIRECTOR</b>	D. HAYLER

**NOT FOR CONSTRUCTION**

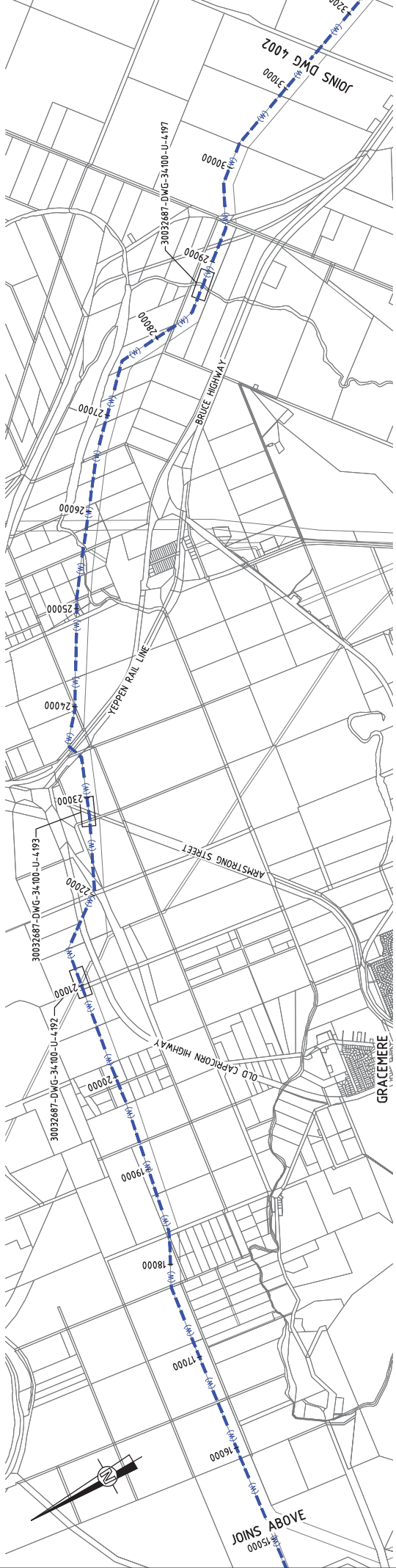


**NOTE**  
FOR SHEET'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-012





LOCALITY PLAN - 1



LOCALITY PLAN - 2

NOTE  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-3000-G-0112

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B	14/11/22	CONCEPT DESIGN SET PHASE	
C	30/06/22	OPTIMISED CONCEPT DESIGN	
D	18/11/22	UPDATED RIGHT OF WAY	
NAME	TITLE	DATE	
SZENTMYER	DRAFTER	13/03/08	
C. BRU	DRAFTING CHECK		
J. WIGGEMAR	DESIGNER		
M. SERRANO LOPEZ	DESIGN CHECK		
M. SERRANO LOPEZ	PROJECT MANAGER		
D. TAYLOR	PROJECT DIRECTOR		

**NOT FOR CONSTRUCTION**

CLIENT  
**Gladstone Area Water Board**

PROJECT TITLE  
FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
KEY PLAN  
SHEET 1

SCALE  
CONCEPT DESIGN

PROJECT DRAWING No.  
30032687-DWG-3000-G-0001

REGION  
D

DESIGNER  
**SMEC**  
Member of the Surbana Jurong Group  
LEVEL 6, 600 ST PAULS TERRACE  
© ASB 17/05/14/18  
SMEC PROJECT NO. 30032687

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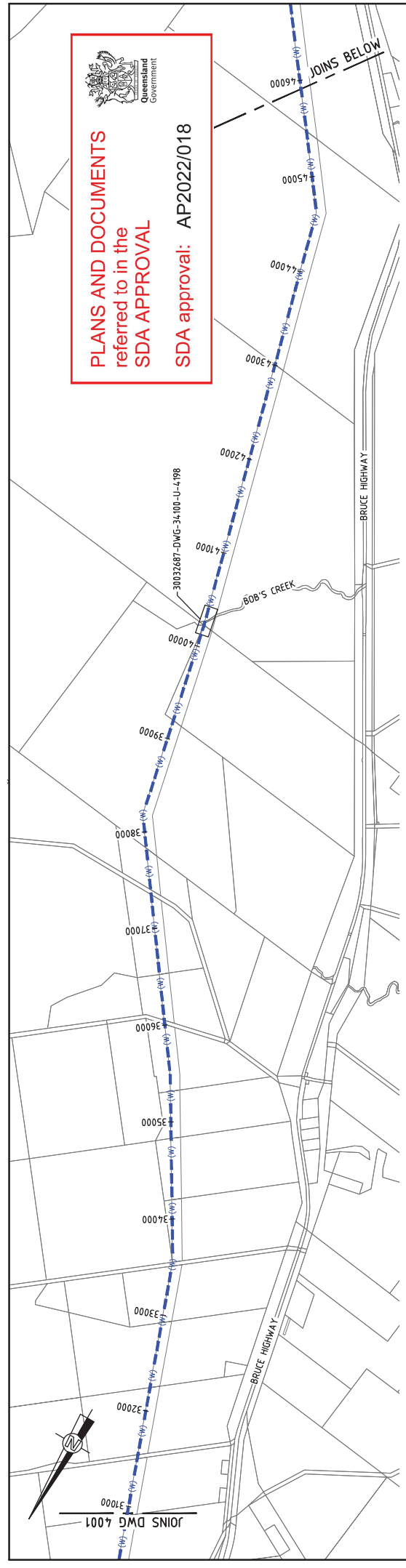
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PROJECT TITLE  
FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
KEY PLAN  
SHEET 1

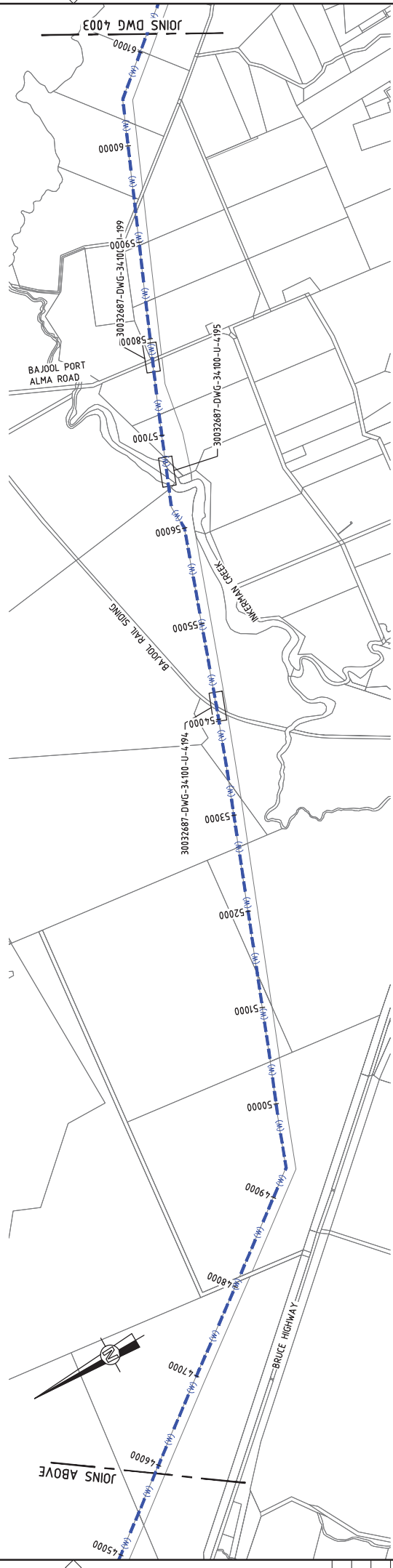
CLIENT  
**Gladstone Area Water Board**

DESIGNER  
**SMEC**  
Member of the Surbana Jurong Group  
LEVEL 6, 600 ST PAULS TERRACE  
© ASB 17/05/14/18  
SMEC PROJECT NO. 30032687

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**  
SDA approval: AP2022/018



LOCALITY PLAN - 3

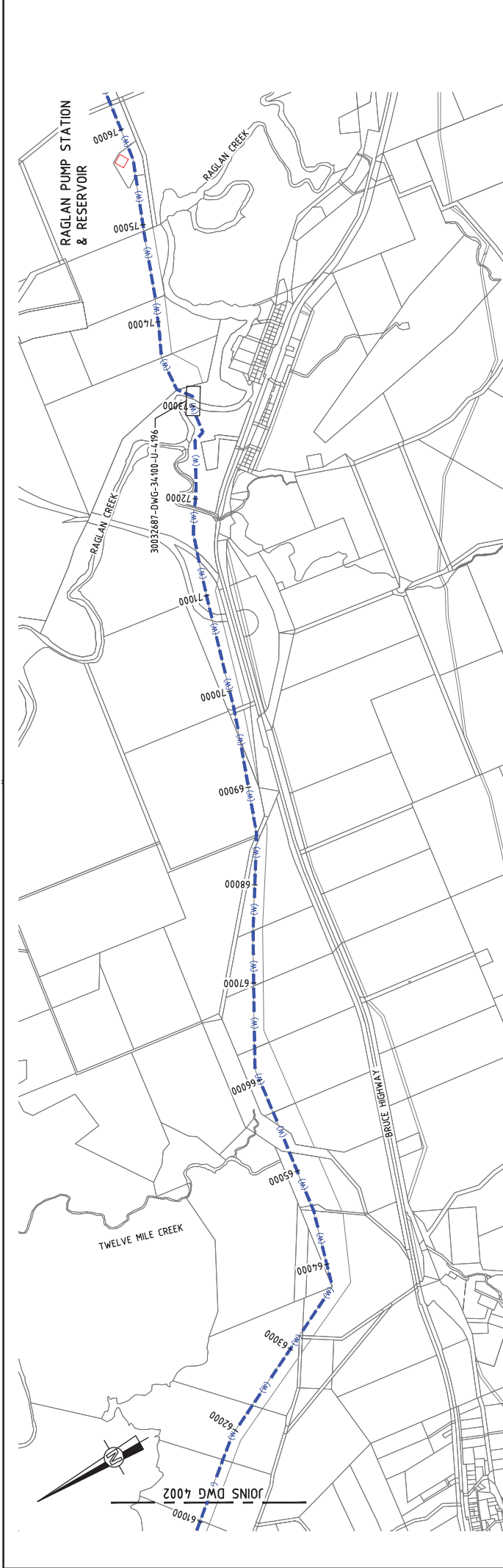


LOCALITY PLAN - 4

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

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B	14.01.22	CONCEPT DESIGN SET PHASE	006
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PROJECT MANAGER M. SERRANO LOPEZ		DESIGNER J. WIGGEMAR	NAME S. ZENTNER
PROJECT DIRECTOR D. TAYLOR		DESIGN CHECK L. BRUI	SCALE 1:40000 (A3) / 20000 (A1)
PROJECT DESIGNER 30032687-DWG-34100-C-4002		DESIGNER SMC PROJECT NO. 30032687	SCALE AT A1 SIZE DRAWING
PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE KEY PLAN SHEET 2		CLIENT Gladstone Area Water Board	





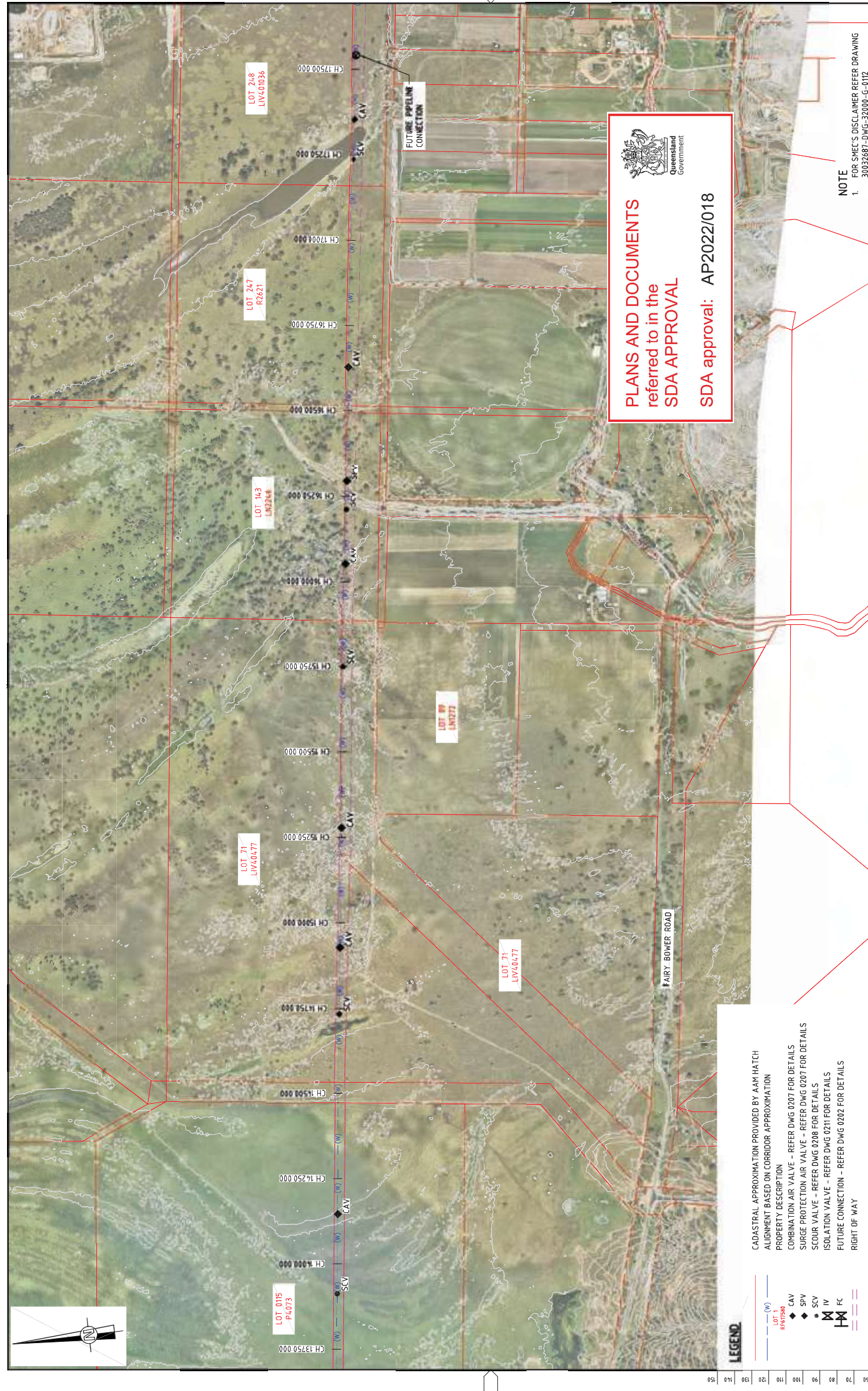
LOCALITY PLAN - 5


  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
  
**SDA approval: AP2022/018**

NOTE  
 1. FOR SMEC'S DISCLAIMER REFER DRAWING  
 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**

<p><b>DRAWING LOCATION NAME</b>          V:\_Vahiti\Projects\3003\30032687A-GFP-DE-Proj\1100_CADD\CADD\DWG\0130_0130_0100_ALTON_DOWNS_TO_RAGLAN_PIPELINE\30032687-DWG-34100-C-4003-040</p> <p><b>EXTERNAL REFERENCE FILES</b>          X:\2020\DWG_9.CAD</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>REVISION / WORK DESCRIPTION</th> <th>APPVAL</th> <th>TITLE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>20.08.21</td> <td>30% CONCEPT DESIGN</td> <td>MSL</td> <td>DRAWN</td> <td>13:04:06</td> </tr> <tr> <td>B</td> <td>14.01.22</td> <td>CONCEPT DESIGN SET PHASE</td> <td>MSL</td> <td>DRAFTING CHECK</td> <td></td> </tr> <tr> <td>C</td> <td>30.06.22</td> <td>OPTIMISED CONCEPT DESIGN</td> <td>MSL</td> <td>DESIGNER</td> <td></td> </tr> <tr> <td>D</td> <td>18.11.22</td> <td>UPDATED RIGHT OF WAY</td> <td>MSL</td> <td>DESIGN CHECK</td> <td></td> </tr> </tbody> </table>	REV	DATE	REVISION / WORK DESCRIPTION	APPVAL	TITLE	TIME	A	20.08.21	30% CONCEPT DESIGN	MSL	DRAWN	13:04:06	B	14.01.22	CONCEPT DESIGN SET PHASE	MSL	DRAFTING CHECK		C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER		D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK		<p><b>SCALE</b>          1 : 40000 (A3) / 20000 (A1)</p> <p><b>SCALE AT A1 SIZE DRAWING</b></p>	<p><b>DESIGNER</b>            SMEC          Member of the Surbana Jurong Group          LEVEL 6, 400 ST PAULS TERRACE          © ASB 7 005 675 149          SMEC PROJECT NO. 30032687</p>	<p><b>CLIENT</b>            Gladstone Area Water Board</p>	<p><b>PROJECT TITLE</b>          FITZROY TO GLADSTONE PIPELINE PROJECT          30GLA - ALTON DOWNS TO RAGLAN PIPELINE          KEY PLAN          SHEET 3</p>
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D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK																															
<p><b>PROJECT DESIGN</b></p>																																			
<p><b>PROJECT DRAWING NO.</b> 30032687-DWG-34100-C-4003</p>																																			



  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
 SDA approval: AP2022/018

**NOTE**  
 1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-C-012

**NOT FOR CONSTRUCTION**

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
 ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
 PROPERTY DESCRIPTION  
 COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
 ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
 FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
 RIGHT OF WAY

**LEGEND**

- (W) LOT
- (P) LOT
- CAV
- SPV
- SCV
- IV
- FC

REV	DATE	DESCRIPTION	APPROVAL	TITLE	TIME
A	20.08.21	30% CONCEPT DESIGN	MSL	DRAFTER	14:18:19
B	14.11.22	CONCEPT DESIGN SET PHASE	MSL	DRAFTING CHECK	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER	
D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK	


  

NAME	ROLE
S. ZIMMELT	MSL
C. BIRD	MSL
J. WIGGEMAR	MSL
M. SERRANO LOPEZ	MSL
M. SERRANO LOPEZ	PROJECT MANAGER
D. TAYLOR	PROJECT DIRECTOR

SCALE X	SCALE Y
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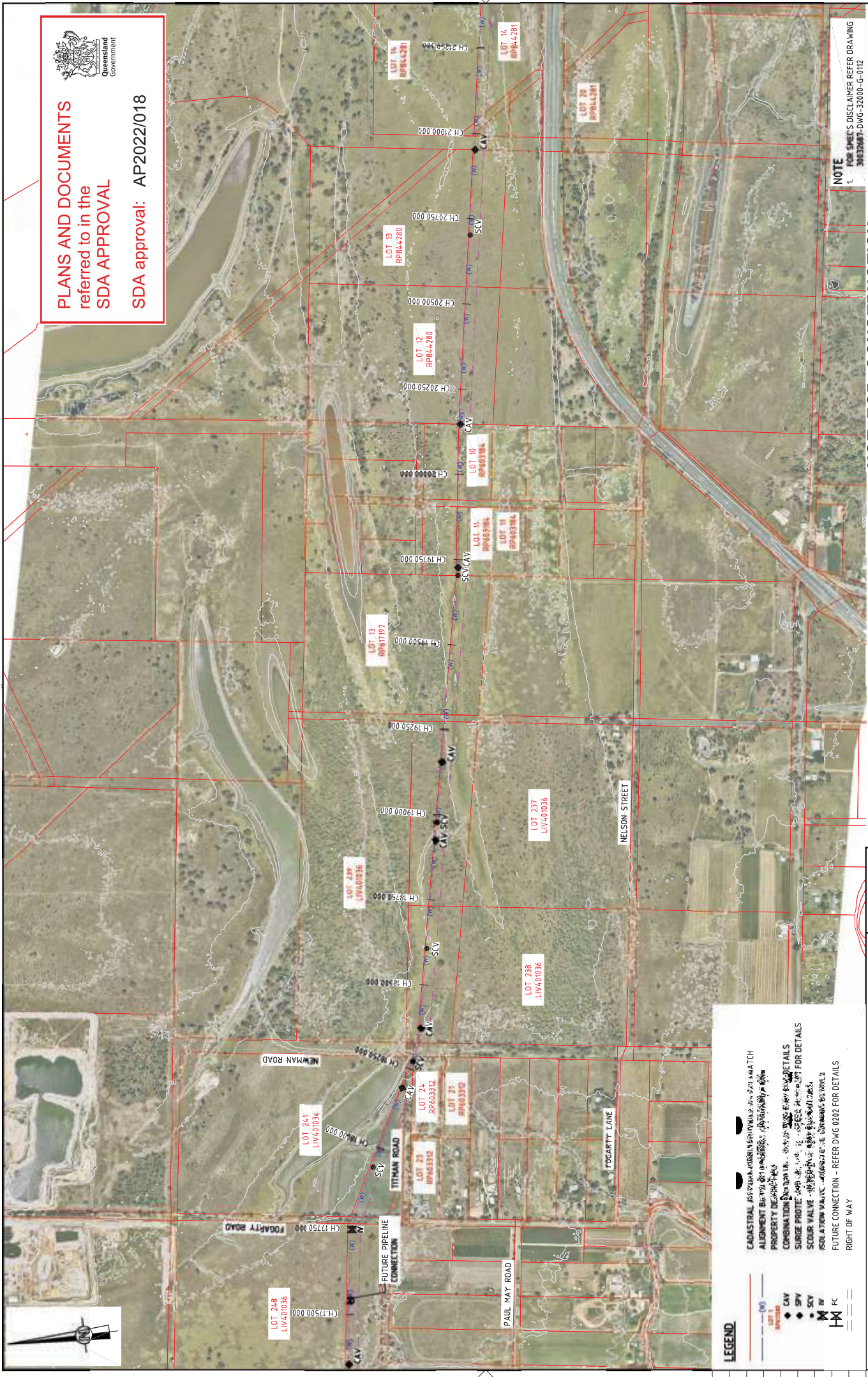
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PROJECT TITLE	SCALE	PHASE	PROJECT DRAWING NO.	ISSUE NO.
FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH14500 TO CH18000 SHEET 5	1:5000	CONCEPT DESIGN	30032687-DWG-34000-C-4022	D

PLANS AND DOCUMENTS referred to in the SDA APPROVAL

SDA approval: AP2022/018



NOTE  
1. FOR SHEETS DISCLAIMER REFER DRAWING 30032687-DWG-30000-G-0112

**NOT FOR CONSTRUCTION**

CLIENT Gladstone Area Water Board		RESUME SMCC PROJECT NO. 30032687	
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SCALE 1:5000		PHASE CONCEPT DESIGN	
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EXTERNAL REFERENCE FILES 30032687A-GFP-DE-Proj\170_CADD\CADD\01_30_01_30_00_ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-30000-G-4023.dwg 30032687A-GFP-DE-Proj\170_CADD\CADD\01_30_01_30_00_ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-30000-G-4023.dwg 30032687A-GFP-DE-Proj\170_CADD\CADD\01_30_01_30_00_ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-30000-G-4023.dwg		APPROVAL 21 Nov 2022	
REVISIONS REV. DATE A 20.08.21 30% CONCEPT DESIGN B 14.11.22 CONCEPT DESIGN SET PHASE C 30.06.22 OPTIMISED CONCEPT DESIGN D 18.11.22 UPDATED RIGHT OF WAY		NAME SIZOTHYLA C.BROU J.VINIGEMMAR M.SERRANO LOPEZ D.TAYLOR	
LEGEND CAV CATENARY SCV SUPPORT CATENARY FC FIXED CATENARY LOT BOUNDARY ROAD BOUNDARY PROPERTY BOUNDARY FUTURE PIPELINE CONNECTION		SCALE X 1: 1000 (AS) 1: 500 (AL)	

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



Department of  
Water and  
Environmental  
Heritage

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-0172

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
LAYOUT PLAN  
CH21500 TO CH25000  
SHEET 7

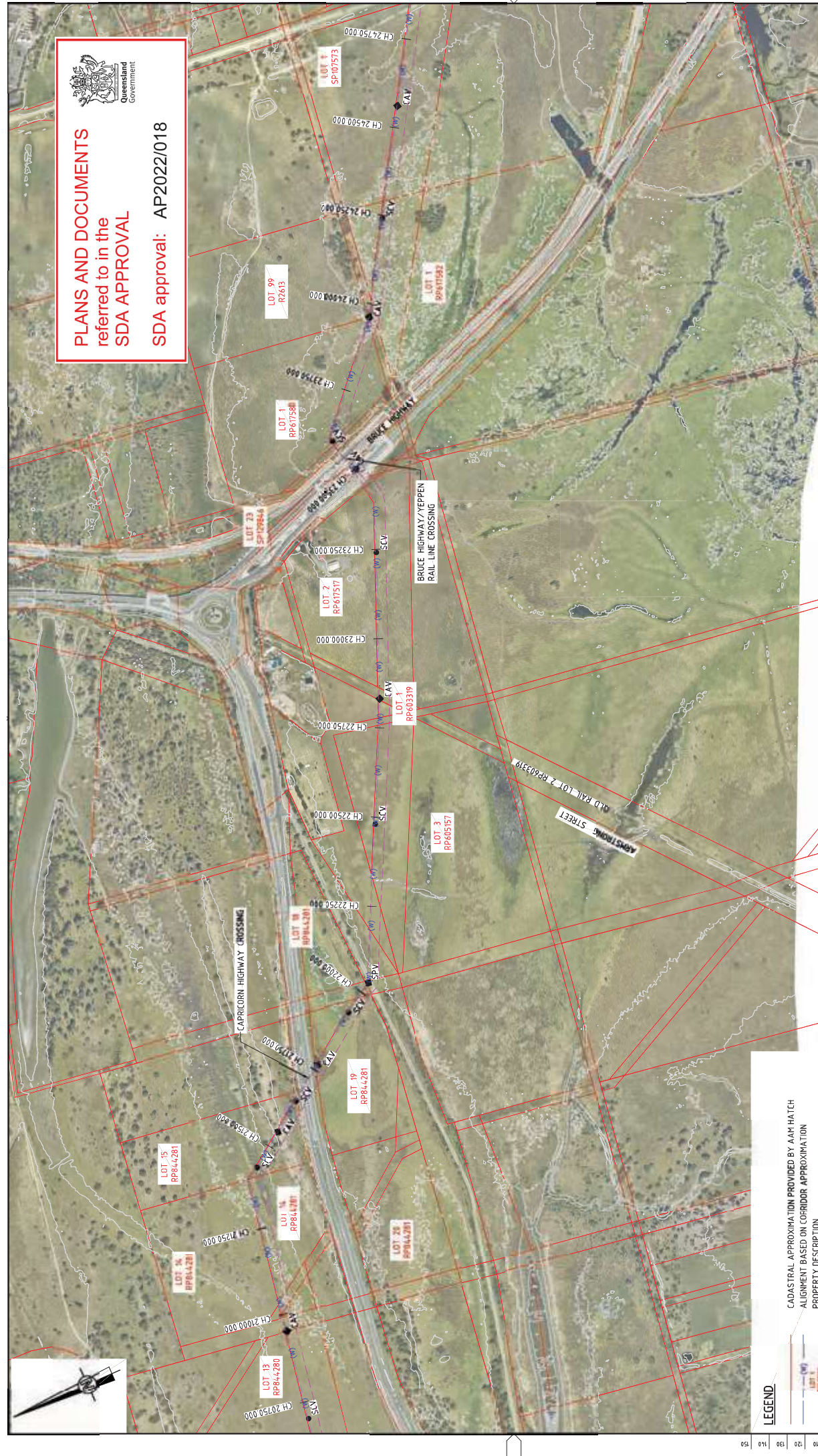
SCALE: 1:5000

PHASE: CONCEPT DESIGN

PROJECT DRAWING NO: 30032687-DWG-34100-C-4024

CLIENT: Gladstone Area Water Board

RESOURCES: **SMEC**  
Level 6, 400 St Pauls Terrace  
© ASH 471 005 475 149  
SMEC PROJECT NO: 30032687



**LEGEND**

- CAV
- SPV
- SCV
- IV
- FC

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION

PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

PROFESIONALS

NAME	TITLE	DATE
SCHWITZER	DRAFTER	21 Nov 2022
C. BIRD	DRAFTING CHECK	14-08-23
J. WIGGEMAR	DESIGNER	14-08-23
M. SERRANO LOPEZ	DESIGN CHECK	18-11-22
M. SERRANO LOPEZ	PROJECT MANAGER	18-11-22
D. TAYLOR	PROJECT DIRECTOR	18-11-22

REVISIONS

NO.	DATE	DESCRIPTION
A	20-08-21	30% CONCEPT DESIGN
B	14-01-22	CONCEPT DESIGN SET PHASE
C	30-06-22	OPTIMISED CONCEPT DESIGN
D	18-11-22	UPDATED RIGHT OF WAY

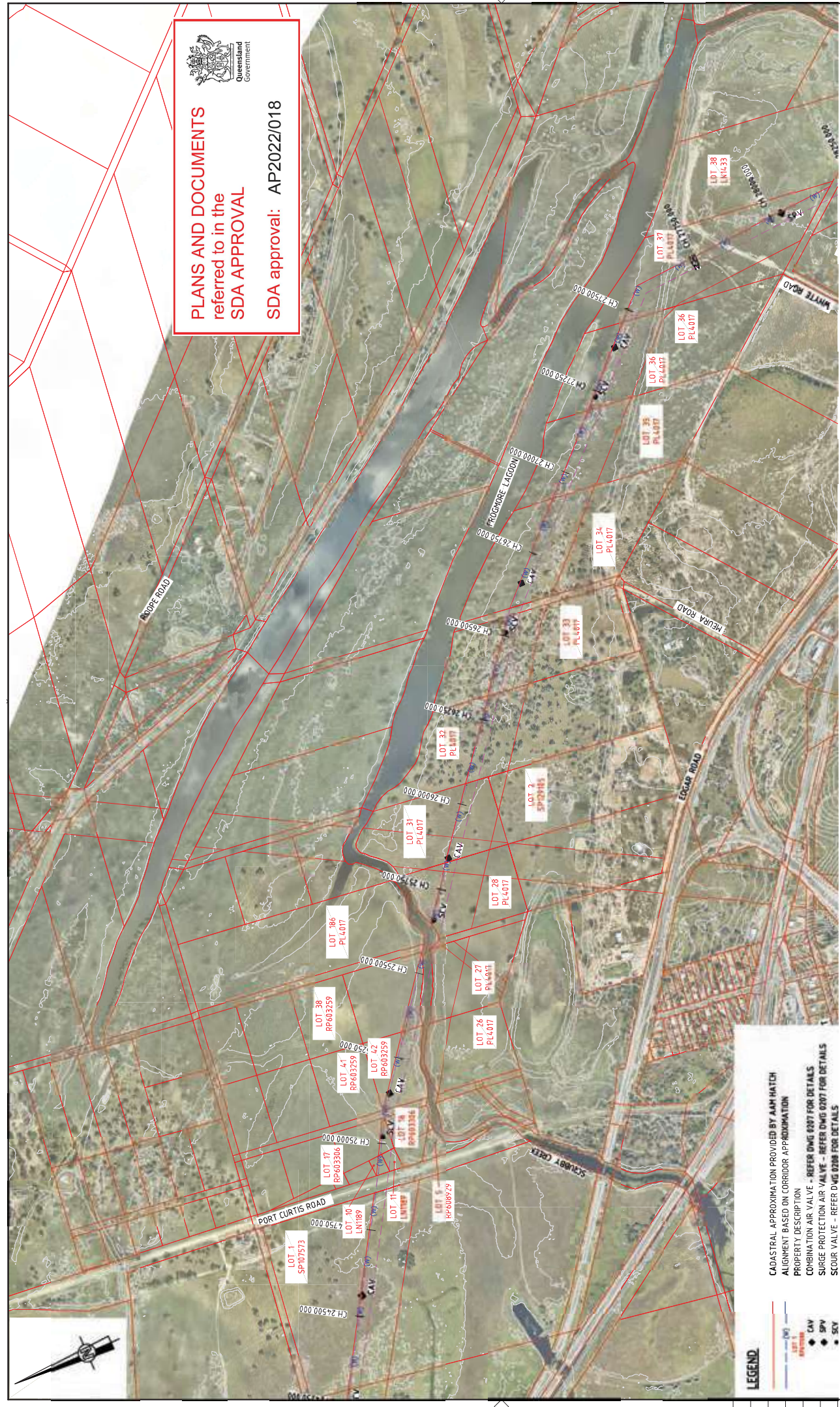
PROFESIONALS

PROFESIONALS	DATE	TIME
14-08-23	11:40:05	



PLANS AND DOCUMENTS  
referred to in the  
SDA APPROVAL

SDA approval: AP2022/018



CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- CAV
- SPV
- SKV
- IV
- FC

DRAWING LOCATION NAME V:\_Vant\Projects\3003\3003\887A-GFP-DE-Prop\1\10_CADD\CADD\01\30_01_30_000_ALTON_DOWNS_TO_RAGLAN_PIPELINE\30032887-DWG-34-100-C-4025-DWG		PROJ DATE 21 Nov 2022	TIME 11:49:31
EXTERNAL REFERENCE FILES X:\2022\CADD\LEGEND X:\2022\CADD\ALTON X:\2022\CADD\ALTON X:\2022\CADD\ALTON X:\2022\CADD\ALTON X:\2022\CADD\ALTON X:\2022\CADD\ALTON		APPROVAL	TITLE
REV	DATE	BY	DESCRIPTION
A	20.08.21	MSL	30% CONCEPT DESIGN
B	14.11.22	MSL	CONCEPT DESIGN SET PHASE
C	30.06.22	MSL	OPTIMISED CONCEPT DESIGN
D	18.11.22	MSL	UPDATED RIGHT OF WAY
PROJECT MANAGER M. SERRANO LOPEZ		DESIGN CHECK M. SERRANO LOPEZ	PROJECT DIRECTOR D. TAYLOR
PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH25000 TO CH28500 SHEET 8		SCALE 1:5000	PROJECT NUMBER 30032887-DWG-34-100-C-4025

**NOT FOR CONSTRUCTION**

CLIENT  
Gladstone Area Water Board

RESUME  
SMC  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 471 005 475 149  
SMC PROJECT NO. 30032887

SCALE X

1: 8000 (A3)  
1: 5000 (A4)

NAME	TITLE
S. WINTER	DRAFTER
C. BOW	DRAFTING CHECK
J. WIGGEMAR	DESIGNER
M. SERRANO LOPEZ	DESIGN CHECK
D. TAYLOR	PROJECT DIRECTOR

NOTE  
1. FOR SMC'S DISCLAIMER REFER DRAWING  
30032887-DWG-2200-G-012

PLANS AND DOCUMENTS referred to in the SDA APPROVAL

SDA approval: AP2022/018



NOTE FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-3400-C-0112

**NOT FOR CONSTRUCTION**



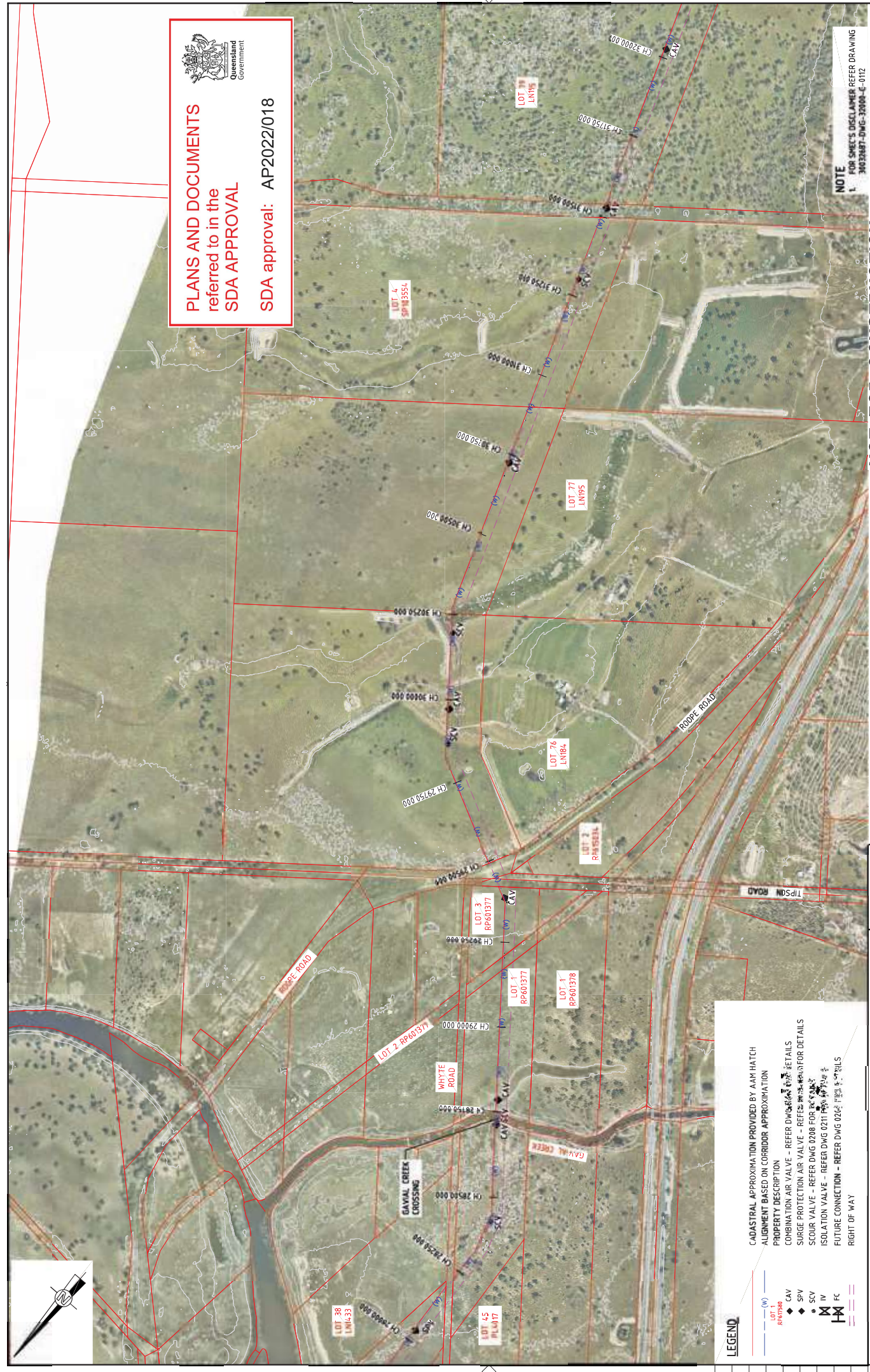
RESUME  
 SCALES AT A4 SIZE DRAWING  
 SCALE X 1: 1000 (A3) 1: 500 (A4)  
 PROJECT TITLE  
 FITZROY TO GLADSTONE PIPELINE PROJECT  
 30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
 LAYOUT PLAN  
 CH28500 TO CH2500  
 SHEET 9

PROJECT NO. 30032687  
 SHEET NO. 9  
 PROJECT DESIGN  
 30032687-DWG-3400-C-4026  
 D

DATE 15/10/22  
 TIME 15:15:02  
 PROJECT NO. 30032687  
 SHEET NO. 9

PROJECT NO. 30032687  
 SHEET NO. 9

PROJECT NO. 30032687  
 SHEET NO. 9



CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
 ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
 PROPERTY DESCRIPTION  
 COMBINATION AIR VALVE - REFER DWG 0208 FOR DETAILS  
 SURGE PROTECTION AIR VALVE - REFER DWG 0208 FOR DETAILS  
 SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
 ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
 FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
 RIGHT OF WAY



150 mm (NO ORIGINAL)



**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: AP2022/018**



REV	DATE	REVISION / WORK DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.11.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	18.11.22	UPDATED RIGHT OF WAY

**CADASTRAL APPROXIMATION PROVIDED BY 4441 HA TECH**  
**ALIGNMENT BASED ON CORRIDOR APPROXIMATION**  
**PROPERTY DESCRIPTION**  
 COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
 ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
 FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
 RIGHT OF WAY

PROJ DATE	TIME
21 Nov 2022	15:24:23

NAME	TITLE
SYDNEY/TIA	DRAWER
C. BIRD	DRAFTING CHECK
J. WIGGEMAR	DESIGNER
M. SERRANO LOPEZ	DESIGN CHECK
M. SERRANO LOPEZ	PROJECT MANAGER
D. TAYLOR	PROJECT DIRECTOR

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
 30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
 LAYOUT PLAN  
 CH32500 TO CH36500  
 SHEET 10

SCALE: 1:5000  
 PROJECT DRAWING NO: 30032687-DWG-34-100-C-4021  
 CONCEPT DESIGN

RESERVE:  
 SMEC  
 480 ST PAULS TERRACE  
 MELBOURNE VIC 3003  
 © ASB 17.06.19  
 SMEC PROJECT NO: 30032687

NOTE

- FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: AP2022/018**



**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**

**CLIENT**  
Gladstone Area Water Board

**RESOURCES**  
SMEC  
LEVEL 6, 400 ST PAULS TERRACE  
© ASHA 470 005 475 149  
SMEC PROJECT NO. 30032687

**PROJECT TITLE**  
FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
LAYOUT PLAN  
CH36500 TO CH40000  
SHEET 11

**SCALE**  
1:5000

**PHASE**  
CONCEPT DESIGN

**PROJECT DRAWING NO.**  
30032687-DWG-34000-C-4028

**ISSUE NO.**  
D

**SCALE X**  
1: 8000 (A3)  
1: 5000 (A4)

**SCALE X**  
1: 1000 (A3)  
1: 500 (A4)

**SCALE X**  
1: 1000 (A3)  
1: 500 (A4)

NAME	DATE	TITLE	DATE
SCHWITZER	10/20/07	PROJECT MANAGER	10/20/07
C. BIRD		DESIGNER	
J. WIGGEMAR		DESIGNER	
M. SERRANO LOPEZ		PROJECT MANAGER	
D. TAYLOR		PROJECT DIRECTOR	

REV	DATE	DESCRIPTION
A	20/08/21	30% CONCEPT DESIGN
B	14/01/22	CONCEPT DESIGN SET PHASE
C	30/06/22	OPTIMISED CONCEPT DESIGN
D	18/11/22	UPDATED RIGHT OF WAY

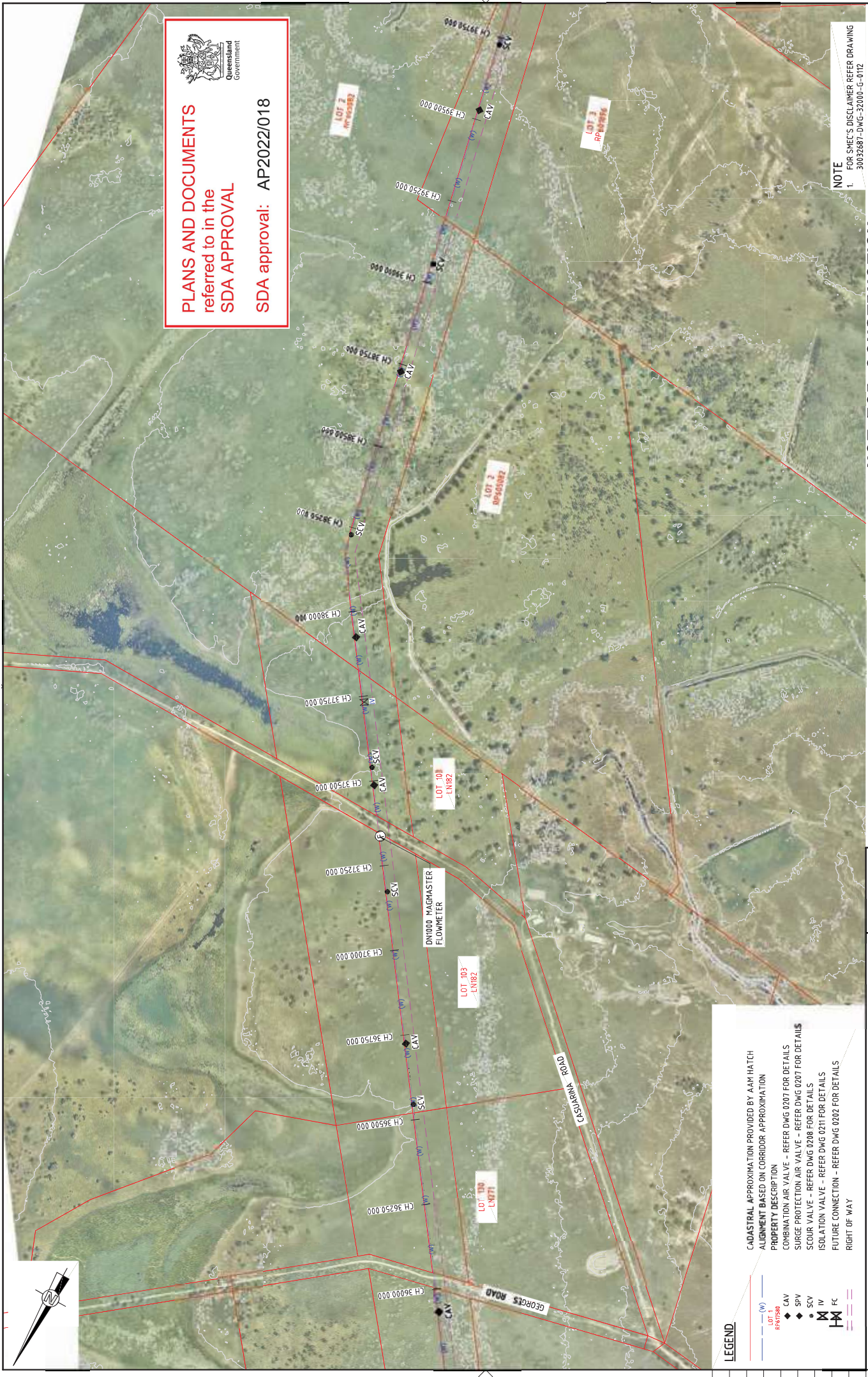
REV	DATE	DESCRIPTION
A	20/08/21	30% CONCEPT DESIGN
B	14/01/22	CONCEPT DESIGN SET PHASE
C	30/06/22	OPTIMISED CONCEPT DESIGN
D	18/11/22	UPDATED RIGHT OF WAY

**CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH**  
**ALIGNMENT BASED ON CORRIDOR APPROXIMATION**

**PROPERTY DESCRIPTION**  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- LOT 103 LN82
- LOT 104 LN82
- LOT 105 LN82
- LOT 106 LN82
- LOT 107 LN82
- LOT 108 LN82
- LOT 109 LN82
- LOT 110 LN82
- LOT 111 LN82
- LOT 112 LN82
- LOT 113 LN82
- LOT 114 LN82
- LOT 115 LN82
- LOT 116 LN82
- LOT 117 LN82
- LOT 118 LN82
- LOT 119 LN82
- LOT 120 LN82
- LOT 121 LN82
- LOT 122 LN82
- LOT 123 LN82
- LOT 124 LN82
- LOT 125 LN82
- LOT 126 LN82
- LOT 127 LN82
- LOT 128 LN82
- LOT 129 LN82
- LOT 130 LN82
- LOT 131 LN82
- LOT 132 LN82
- LOT 133 LN82
- LOT 134 LN82
- LOT 135 LN82
- LOT 136 LN82
- LOT 137 LN82
- LOT 138 LN82
- LOT 139 LN82
- LOT 140 LN82
- LOT 141 LN82
- LOT 142 LN82
- LOT 143 LN82
- LOT 144 LN82
- LOT 145 LN82
- LOT 146 LN82
- LOT 147 LN82
- LOT 148 LN82
- LOT 149 LN82
- LOT 150 LN82



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**



LOT 2  
RP605082

LOT 3  
RP601896

LOT 2  
RP602565

LOT 5  
RP604251

**LEGEND**

- (W) WATER
- LOT 1 RP601896
- LOT 2 RP605082
- LOT 3 RP601896
- LOT 5 RP604251
- CAV COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS
- SPV SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS
- SCV SCOUR VALVE - REFER DWG 0208 FOR DETAILS
- IV ISOLATION VALVE - REFER DWG 0211 FOR DETAILS
- FC FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS
- RIGHT OF WAY

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

REV	DATE	DESCRIPTION	APPROVAL	TITLE	THE
A	20.08.21	30% CONCEPT DESIGN	MSL	DRAWN	12/2157
B	14.11.22	CONCEPT DESIGN SET PHASE	MSL	DRAFTING CHECK	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER	
D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK	

NAME	ROLE
S. WINTER	DRAFTER
C. BIRD	DRAFTING CHECK
J. WIGGEMAR	DESIGNER
M. SERRANO LOPEZ	DESIGN CHECK
D. TAYLOR	PROJECT DIRECTOR

SCALE X	SCALE Y
1: 6000 (A3)	1: 5000 (A4)

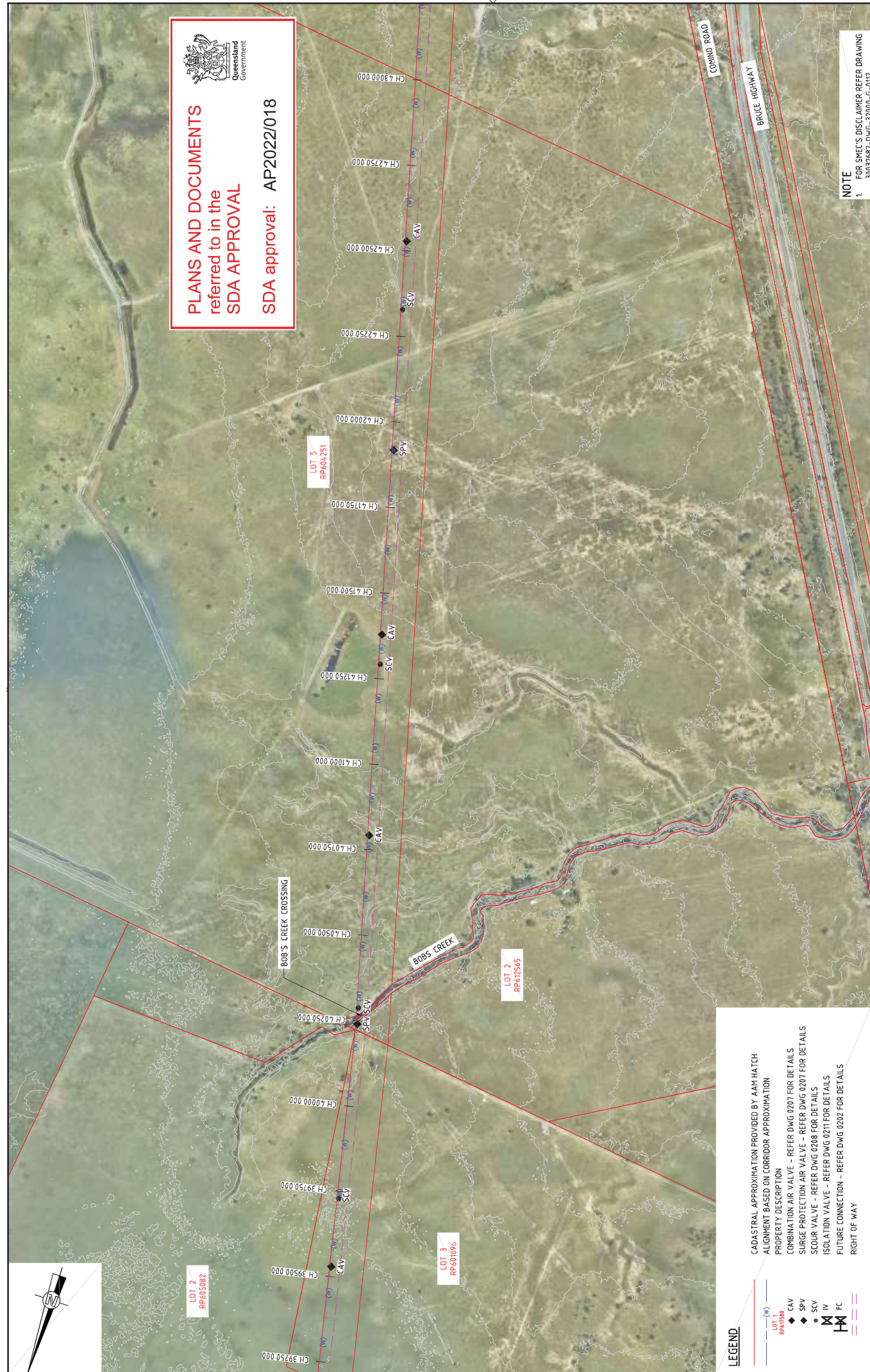
**SMC**  
Member of the Sutherland Shire Council  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 171 005 475 149  
SMC PROJECT NO. 30032687

**Gladstone Area Water Board**

**NOT FOR CONSTRUCTION**

PROJECT TITLE	SCALE	PHASE	PROJECT DRAWING NO.	ISSUE NO.
FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH4,000 TO CH4,3500 SHEET 12	1:5000	CONCEPT DESIGN	30032687-DWG-34,000-C-4029	D

**NOTE**  
1. FOR SMC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
LAYOUT PLAN  
CH43500 TO CH47000  
SHEET 13



RESUME: **SMEC**  
MEMBER OF THE SARGENT & Lundy GROUP  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/19  
SMEC PROJECT NO. 30032687

SCALE X: 1: 5000 (A1)  
1: 1000 (A3)  
1: 500 (A4)

NAME	TITLE	DATE
SIGNATURE	DRAFTER	15.06.23
C. BIRD	DRAFTING CHECK	22 Nov 2022
J. WIGGEMAR	MSL	
M. SERRANO LOPEZ	MSL	
M. SERRANO LOPEZ	DESIGN CHECK	
D. TAYLOR	PROJECT MANAGER	
D. TAYLOR	PROJECT DIRECTOR	

PROJ DATE	THE
15.06.23	15.06.23

REV	DATE	REVISION / WORK DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.01.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	18.11.22	UPDATED RIGHT OF WAY

EXTERNAL REFERENCE FILES
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**LEGEND**

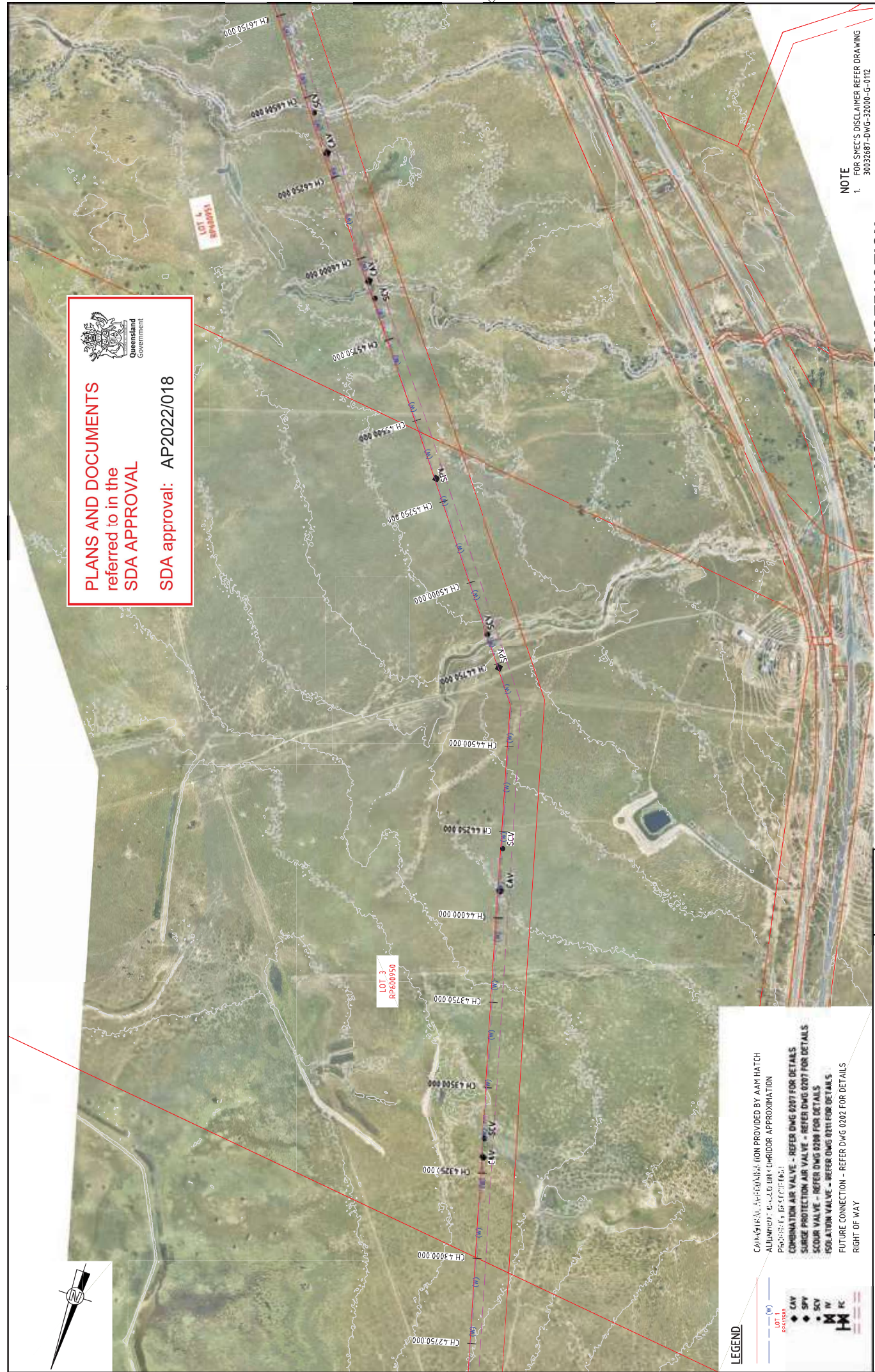
- (W) WATER
- LOT 1
- LOT 2
- LOT 3
- CAV
- SPV
- SCV
- W
- K

CAV: VALVE LOCATION NAME  
W: WATER PIPELINE  
LOT: LOT NUMBER  
CAV: VALVE LOCATION NAME  
SPV: SURGE PROTECTION VALVE  
SCV: SCOUR VALVE  
W: WATER PIPELINE  
K: KILN

CAV43500, CAV43550, CAV43600, CAV43650, CAV43700, CAV43750, CAV43800, CAV43850, CAV43900, CAV43950, CAV44000, CAV44050, CAV44100, CAV44150, CAV44200, CAV44250, CAV44300, CAV44350, CAV44400, CAV44450, CAV44500, CAV44550, CAV44600, CAV44650, CAV44700, CAV44750, CAV44800, CAV44850, CAV44900, CAV44950, CAV45000, CAV45050, CAV45100, CAV45150, CAV45200, CAV45250, CAV45300, CAV45350, CAV45400, CAV45450, CAV45500, CAV45550, CAV45600, CAV45650, CAV45700, CAV45750, CAV45800, CAV45850, CAV45900, CAV45950, CAV46000, CAV46050, CAV46100, CAV46150, CAV46200, CAV46250, CAV46300, CAV46350, CAV46400, CAV46450, CAV46500, CAV46550, CAV46600, CAV46650, CAV46700, CAV46750, CAV46800, CAV46850, CAV46900, CAV46950, CAV47000

ALLOWED: 4.0m OR 10m CORRIDOR APPROXIMATION  
PROPOSED: 15m CORRIDOR

COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018

**NOT FOR CONSTRUCTION**



SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

RESUME  
SCALE X 1: 500 (A1)  
1: 1000 (A3)  
1: 5000 (A4)

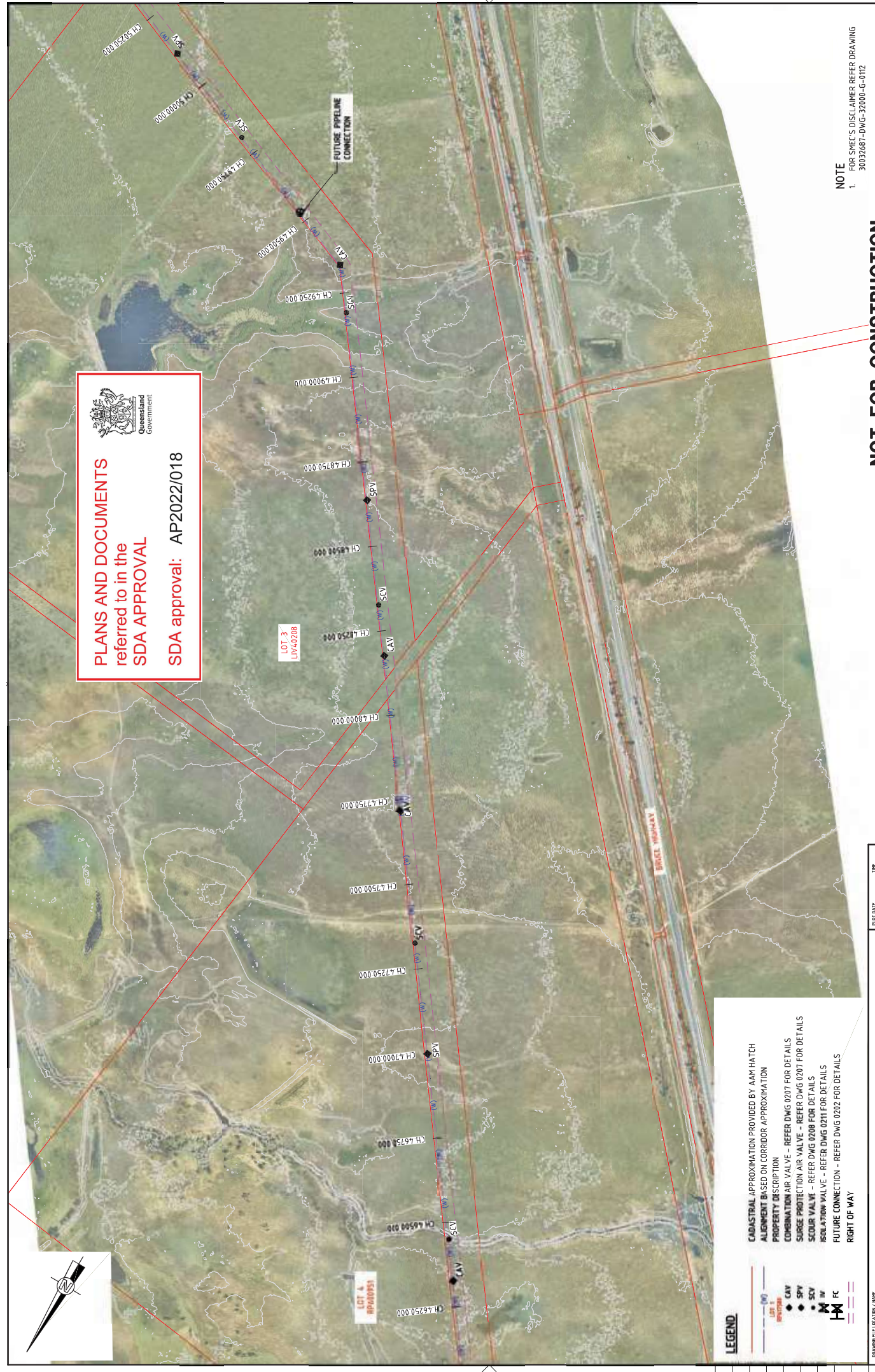
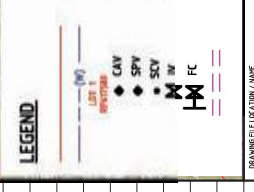
PROF. DATE	TIME
72 Nov 2022	11:54:46

NAME	TITLE
SIZWITZ/R	DRAFTER
C. BIRD	DRAFTING CHECK
J. WINGENHAR	DESIGNER
M. SERRANO LOPEZ	DESIGN CHECK
M. SERRANO LOPEZ	PROJECT MANAGER
D. TAYLOR	PROJECT DIRECTOR

REV	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.11.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	18.11.22	UPDATED RIGHT OF WAY

EXTERNAL REFERENCE FILES  
V:\\_Vant\Projects\3003\3003\887A-GFP-DE-Prop\1100\_CADD\CAD\DWG\01.30.01.34.00 ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-34-100-C-4031.DWG

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SOURCE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY



PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
LAYOUT PLAN  
CH47000 TO CH50500  
SHEET 14

SCALE: 1:5000  
PHASE: CONCEPT DESIGN  
PROJECT NUMBER: 30032687-DWG-34-100-C-4031  
ISSUE: D

CLIENT: Gladstone Area Water Board

RESUME: SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

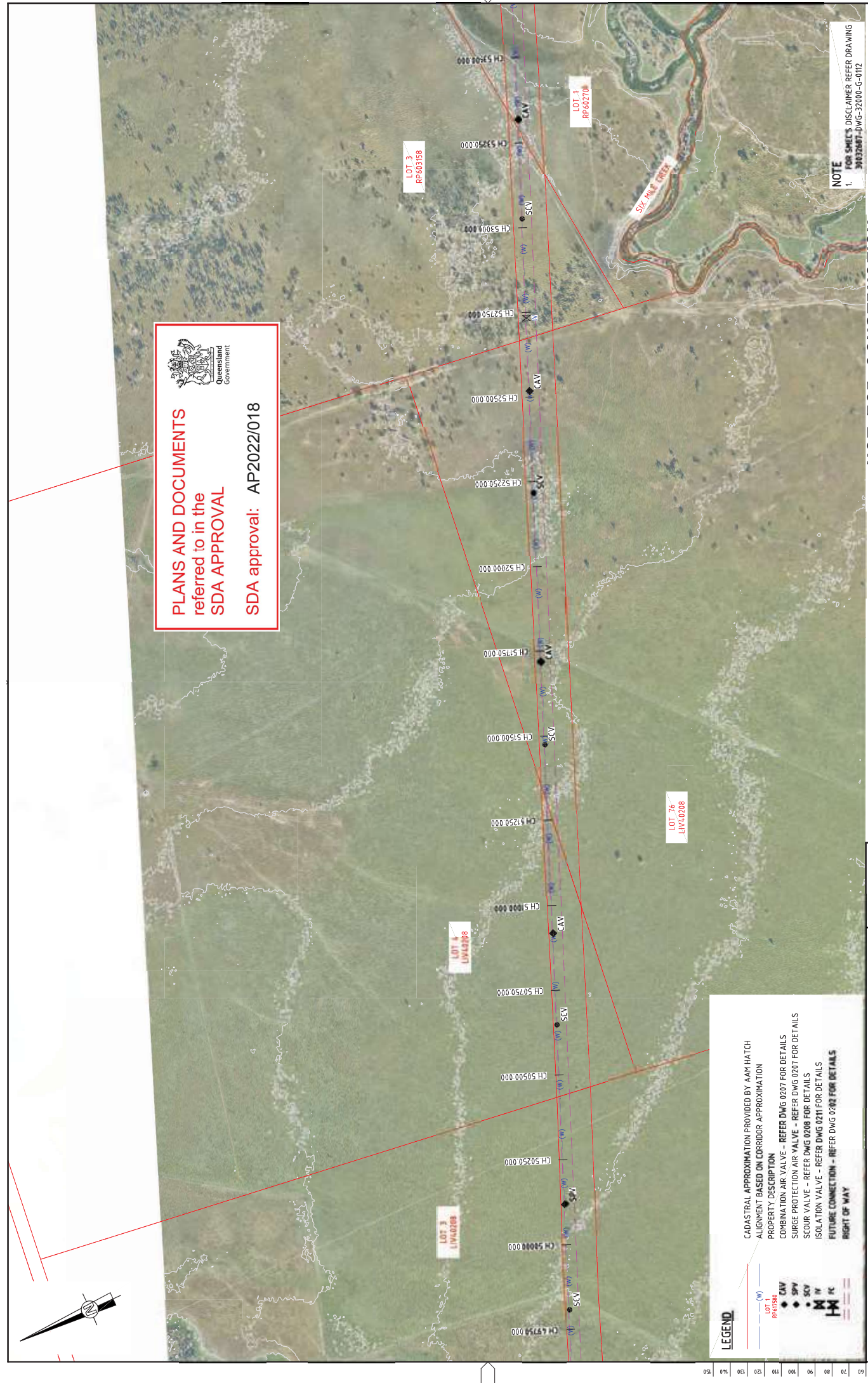
SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022

SMC PROJECT NO. 30032687  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 17/05/2022


  
**PLANS AND DOCUMENTS**
  
 referred to in the
   
**SDA APPROVAL**
  
**SDA approval: AP2022/018**



**LEGEND**

- (W) - WATER
- LOT 1 - 6647598
- CAV - COMBINATION AIR VALVE
- SPV - SURGE PROTECTION VALVE
- SCV - SCOUR VALVE
- ISV - ISOLATION VALVE
- FC - FUTURE CONNECTION



CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
 ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
 PROPERTY DESCRIPTION  
 COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
 ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
 FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
 RIGHT OF WAY

REV	DATE	DESCRIPTION	APPROVAL	TITLE	DATE	PROJECT
A	20.08.21	30% CONCEPT DESIGN	MSL	DRAFTER	12.10.26	THE
B	14.11.22	CONCEPT DESIGN SET PHASE	MSL	DRAFTING CHECK	22 Nov 2022	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER		
D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK		

NAME	SYDNEY R
SCALE X	1: 500 (A1)
SCALE X	1: 1000 (A3)
SCALE X	1: 5000 (A4)

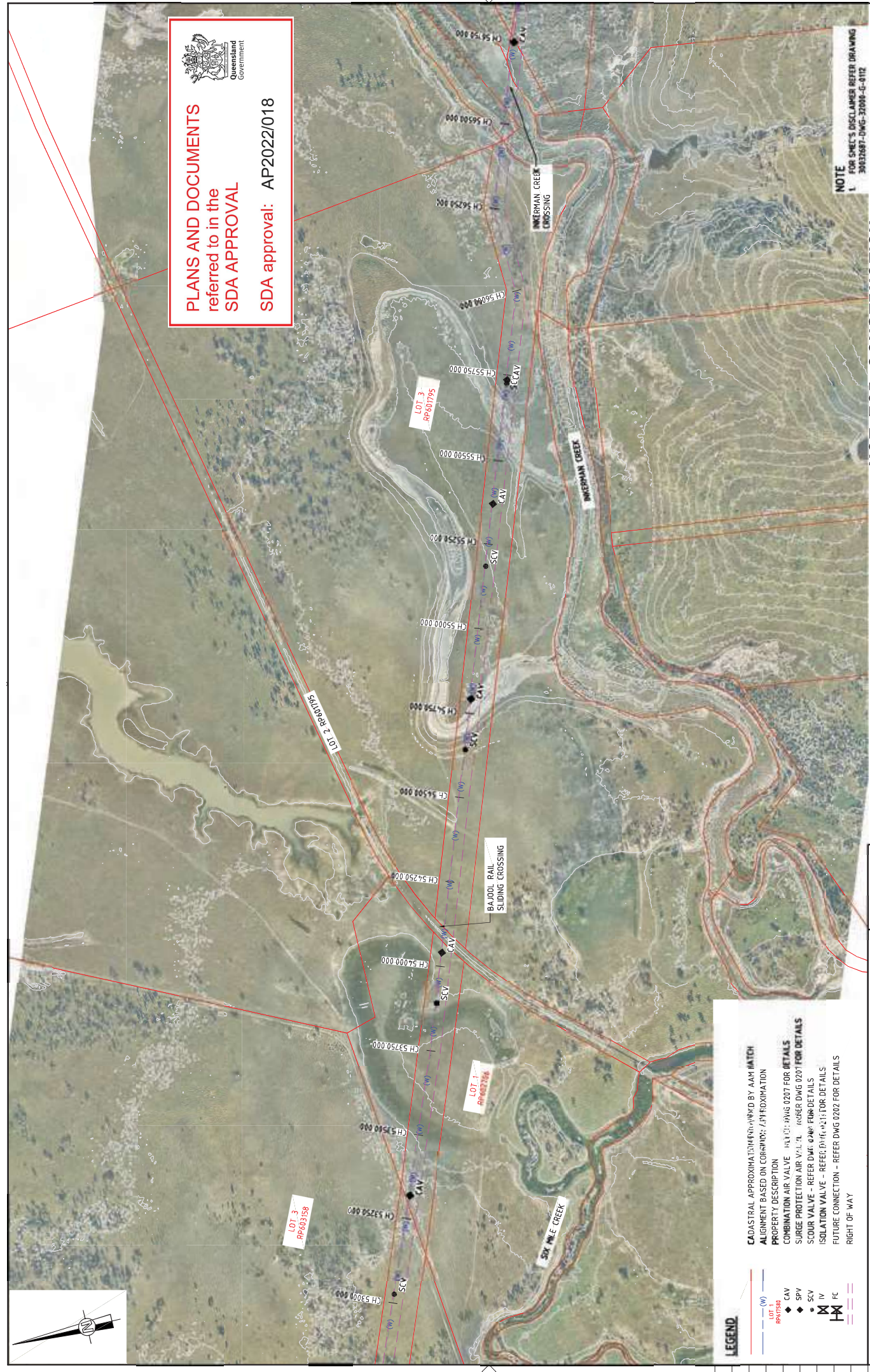
RESUME	 SMCC PROJECT NO. 30032897
CLIENT	 Gladstone Area Water Board
PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH50500 TO CH54000 SHEET 15
SCALE	1:5000
PHASE	CONCEPT DESIGN
PROJECT DRAWING NO.	30032887-DWG-3400-C-4032
ISSUE NO.	D

**NOT FOR CONSTRUCTION**

NOTE  
 1. FOR SMC'S DISCLAIMER REFER DRAWING 30032887-DWG-32000-G-012

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



**NOTE**  
FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-34100-G-012

**NOT FOR CONSTRUCTION**

PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH54500 TO CH57000 SHEET 16
SCALE	1:5000
PHASE	CONCEPT DESIGN
PROJECT CODE/NO.	30032687-DWG-34100-G-4033
ISSUED	D

**Gladstone Area Water Board**

**SMEC**  
Member of the Stantec Group  
LEVEL 6, 400 ST PAULS TERRACE  
© ASB 471 005 475 149  
SMEC PROJECT NO. 30032687

RESUME	
CLIENT	
SCALES AT A4 SIZE DRAWING	SCALE X 1: 1000 (A3) 1: 500 (A4)

NAME	SYDNEY R
DRAWN	C. BIRD
CHECKED	J. WIGGEMAR
DESIGNED	M. SERRANO LOPEZ
PROJECT MANAGER	M. SERRANO LOPEZ
PROJECT DIRECTOR	D. TAYLOR

PROJ. NO.	30032687-DWG-34100-G-4033
PROJ. DATE	23 Nov 2022
PROJ. TITLE	
PROJ. APPROVAL	

REV.	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.11.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	18.11.22	UPDATED RIGHT OF WAY

**LEGEND**

- (W) WATER
- LOT 1 RP603158
- LOT 2 RP603159
- LOT 3 RP603158
- CAV COMBINATION AIR VALVE
- SPV SURGE PROTECTION AIR VALVE
- SCV SCOUR VALVE
- IV ISOLATION VALVE
- FC FUTURE CONNECTION

CADASTRAL APPROXIMATION PROVIDED BY AAM WATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0207 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0207 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0207 FOR DETAILS  
RIGHT OF WAY

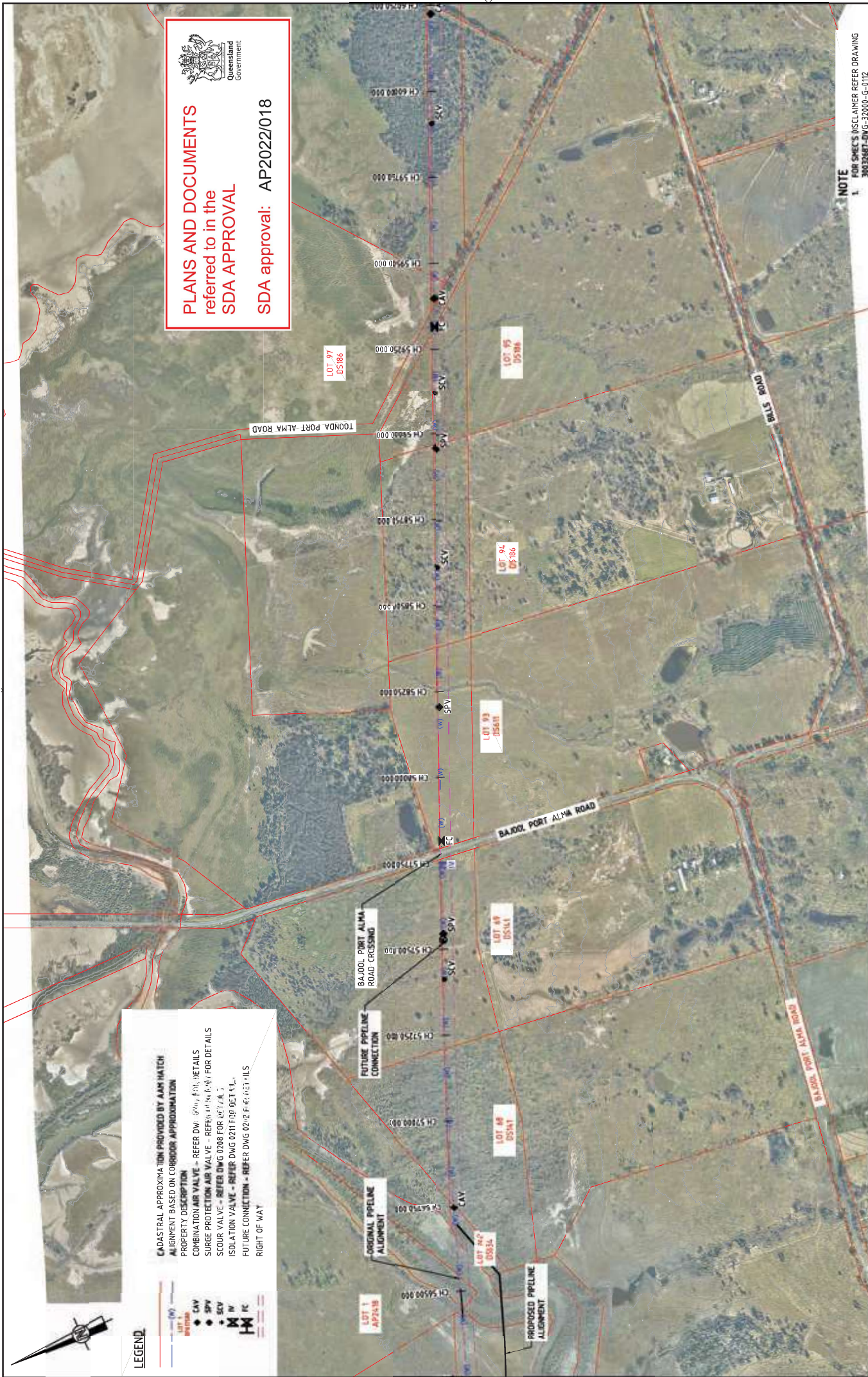


**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018

**CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH**  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0204 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0208 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0212 FOR DETAILS  
RIGHT OF WAY

**LEGEND**



**NOTE**  
FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-C-012

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH57000 TO CH60500 SHEET 17		SCALE: 1:5000 PHASE: CONCEPT DESIGN PROJECT NUMBER: 30032687-DWG-34000-C-4034 ISSUE: D	
CLIENT: Gladstone Area Water Board		RESUME: SMEC PROJECT NO. 30032687	
SCALES AT A4 SIZE DRAWING SCALE X: 1: 8000 (A3) 1: 5000 (A4)		PROJECT NO: 30032687-DWG-34000-C-4034	
NAME: SIZEMITH/R DRAWN: C. BIRD DESIGNER: J. WINGEMAR DESIGN CHECK: M. SERRANO LOPEZ PROJECT MANAGER: M. SERRANO LOPEZ PROJECT DIRECTOR: D. TAYLOR	DATE: 23 Nov 2022 APPROVAL: 14.4.11	REV: A, B, C, D DATE: 20.08.21, 14.11.22, 10.10.22, 18.11.22 DESCRIPTION: 30% CONCEPT DESIGN, CONCEPT DESIGN SET PHASE, OPTIMISED CONCEPT DESIGN, UPDATED RIGHT OF WAY	W/N NO: 036, 038, 037 TITLE: DRAFTER, DRAFTING CHECK, DESIGNER, DESIGN CHECK, PROJECT MANAGER, PROJECT DIRECTOR



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



**NOTE**  
FOR SMC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-C-0112

**NOT FOR CONSTRUCTION**

PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH60500 TO CH64500 SHEET 18
SCALE	1:5000
PHASE	CONCEPT DESIGN
PROJECT CODE/NO.	30032687-DWG-34-100-C-4035
ISSUED BY	D



RESUME  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 470 005 475 149  
SMC PROJECT NO. 30032687

SCALE X	0 100 200 250m
SCALE X	1: 1000 (A3) 1: 500 (A4)

NAME	SYDNEY R
DRAWN	C. BIRD
DESIGNED	J. WIGGEMAR
DESIGN CHECK	M. SERRANO LOPEZ
PROJECT MANAGER	M. SERRANO LOPEZ
PROJECT DIRECTOR	D. TAYLOR

PROJ. NAME	THE	DATE	19/30/13
PROJ. TITLE	72 Nov 2022	APPROVAL	
DRW. NO.	006	MSL	
DRW. NO.	006	MSL	
DRW. NO.	006	MSL	
DRW. NO.	037	MSL	

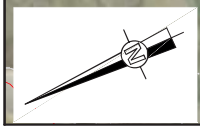
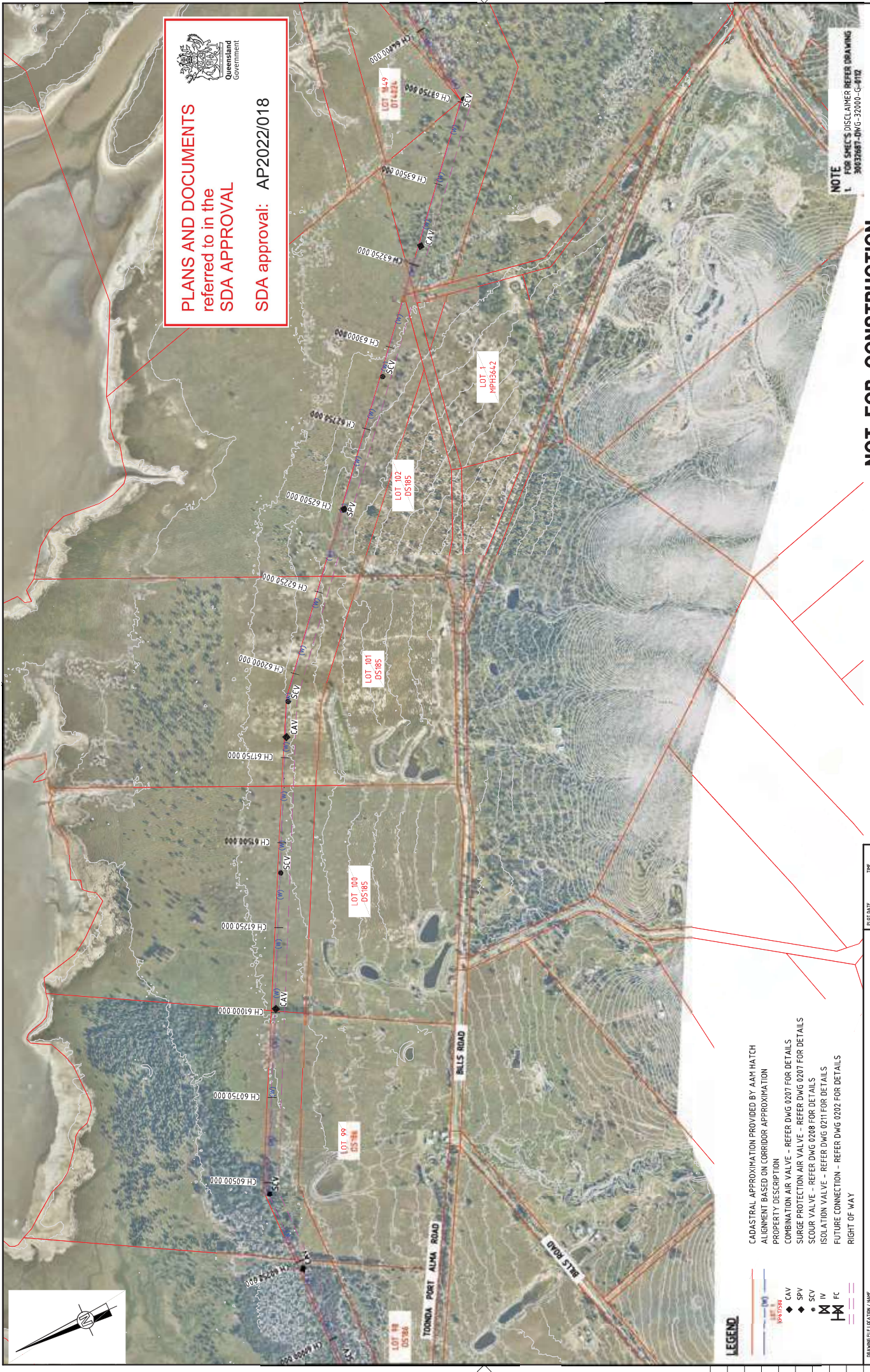
REV.	DATE	DESCRIPTION
A	20/08/21	30% CONCEPT DESIGN
B	14/11/22	CONCEPT DESIGN SET PHASE
C	30/06/22	OPTIMISED CONCEPT DESIGN
D	18/11/22	UPDATED RIGHT OF WAY

EXTERNAL REFERENCE FILES	
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X:\2022\30GLA\30GLA	
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X:\2022\30GLA\30GLA	
X:\2022\30GLA\30GLA	

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- 100m
- 200m
- 300m
- 400m
- 500m
- 600m
- 700m
- 800m
- 900m
- 1000m
- 1100m
- 1200m
- 1300m
- 1400m
- 1500m
- 1600m
- 1700m
- 1800m
- 1900m
- 2000m
- 2100m
- 2200m
- 2300m
- 2400m
- 2500m
- 2600m
- 2700m
- 2800m
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- 3000m
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- 3200m
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- 3800m
- 3900m
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- 4100m
- 4200m
- 4300m
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- 4800m
- 4900m
- 5000m
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- 5200m
- 5300m
- 5400m
- 5500m
- 5600m
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- 5800m
- 5900m
- 6000m
- 6100m
- 6200m
- 6300m
- 6400m
- 6500m
- 6600m
- 6700m
- 6800m
- 6900m
- 7000m
- 7100m
- 7200m
- 7300m
- 7400m
- 7500m
- 7600m
- 7700m
- 7800m
- 7900m
- 8000m
- 8100m
- 8200m
- 8300m
- 8400m
- 8500m
- 8600m
- 8700m
- 8800m
- 8900m
- 9000m
- 9100m
- 9200m
- 9300m
- 9400m
- 9500m
- 9600m
- 9700m
- 9800m
- 9900m
- 10000m



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-012

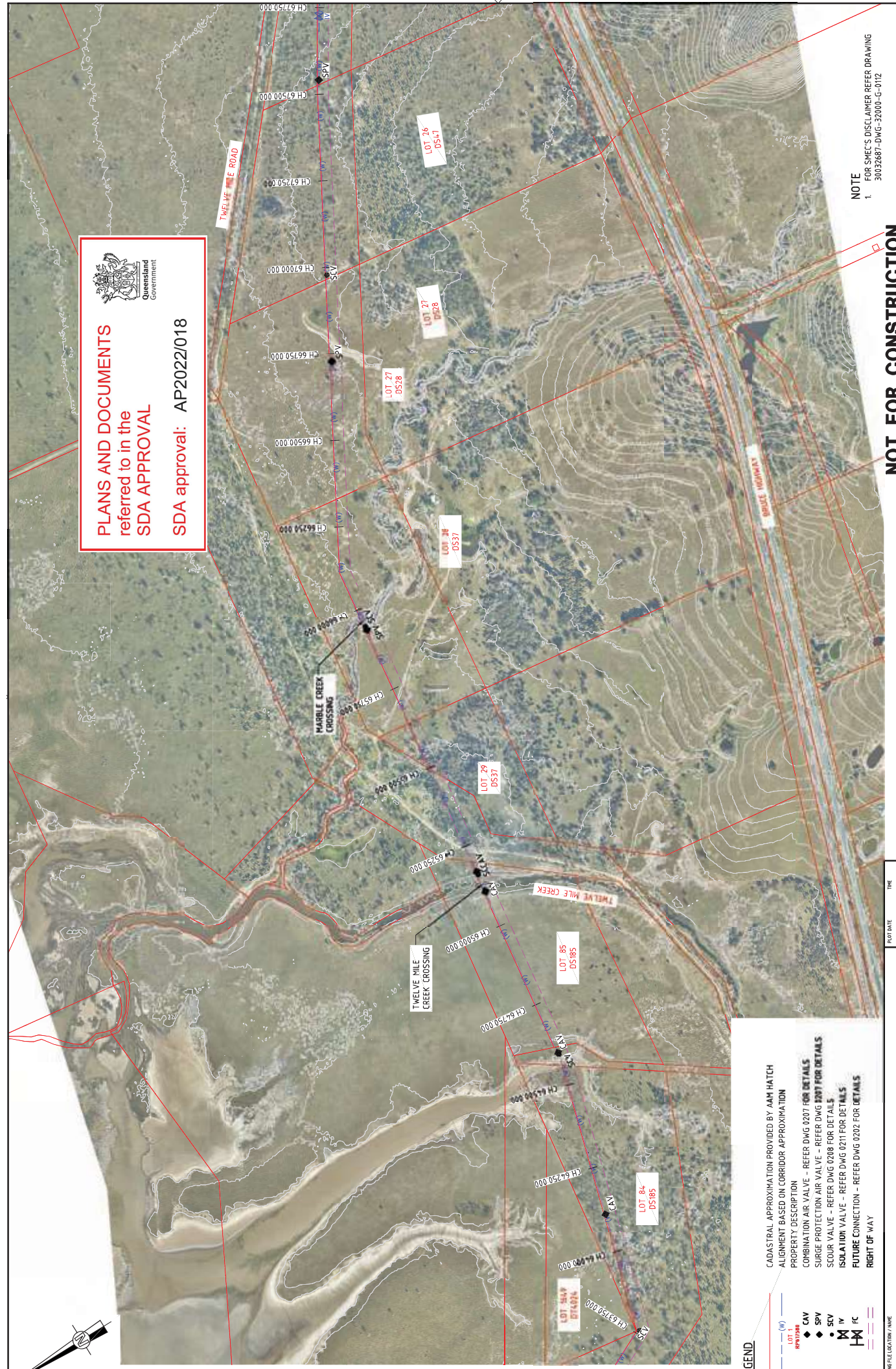
**NOT FOR CONSTRUCTION**

PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH64500 TO CH68000 SHEET 19		SCALE 1:5000 PHASE CONCEPT DESIGN PROJECT DRAWING No. 30032687-DWG-34000-C-4036 REVISION D	
CLIENT Gladstone Area Water Board		RESUME SMEC Level 6, 400 St Pauls Terrace © ASB 17/05/07 475 149 SMEC PROJECT No. 30032687	
SCALES AT A4 SIZE DRAWING SCALE X 1: 8000 (A3) 1: 5000 (A4)		PROJECT DATE THE 19/3/03	
NAME SIZEMITHR DRAFTER C. ROU DRAFTING CHECK J. WILGEMAR DESIGNER M. SERRANO LOPEZ DESIGN CHECK M. SERRANO LOPEZ PROJECT MANAGER D. TAYLOR PROJECT DIRECTOR		PROJECT NO. 30032687-019 APPROVAL DATE 22 Nov 2022 19/3/03	
WORK NO. 016 016 016 037		REVISION A 20/08/21 30% CONCEPT DESIGN B 14/01/22 CONCEPT DESIGN SET PHASE C 30/06/22 OPTIMISED CONCEPT DESIGN D 18/11/22 UPDATED RIGHT OF WAY	
DRAWING LOCATION NAME V:\_V\A\1\Projects\30032687A-GFP-DE\Project\100_CADD\CADD\01\30_01_34\00_ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-34-000-C-4036.dwg		REVISION DESCRIPTION A 20/08/21 30% CONCEPT DESIGN B 14/01/22 CONCEPT DESIGN SET PHASE C 30/06/22 OPTIMISED CONCEPT DESIGN D 18/11/22 UPDATED RIGHT OF WAY	

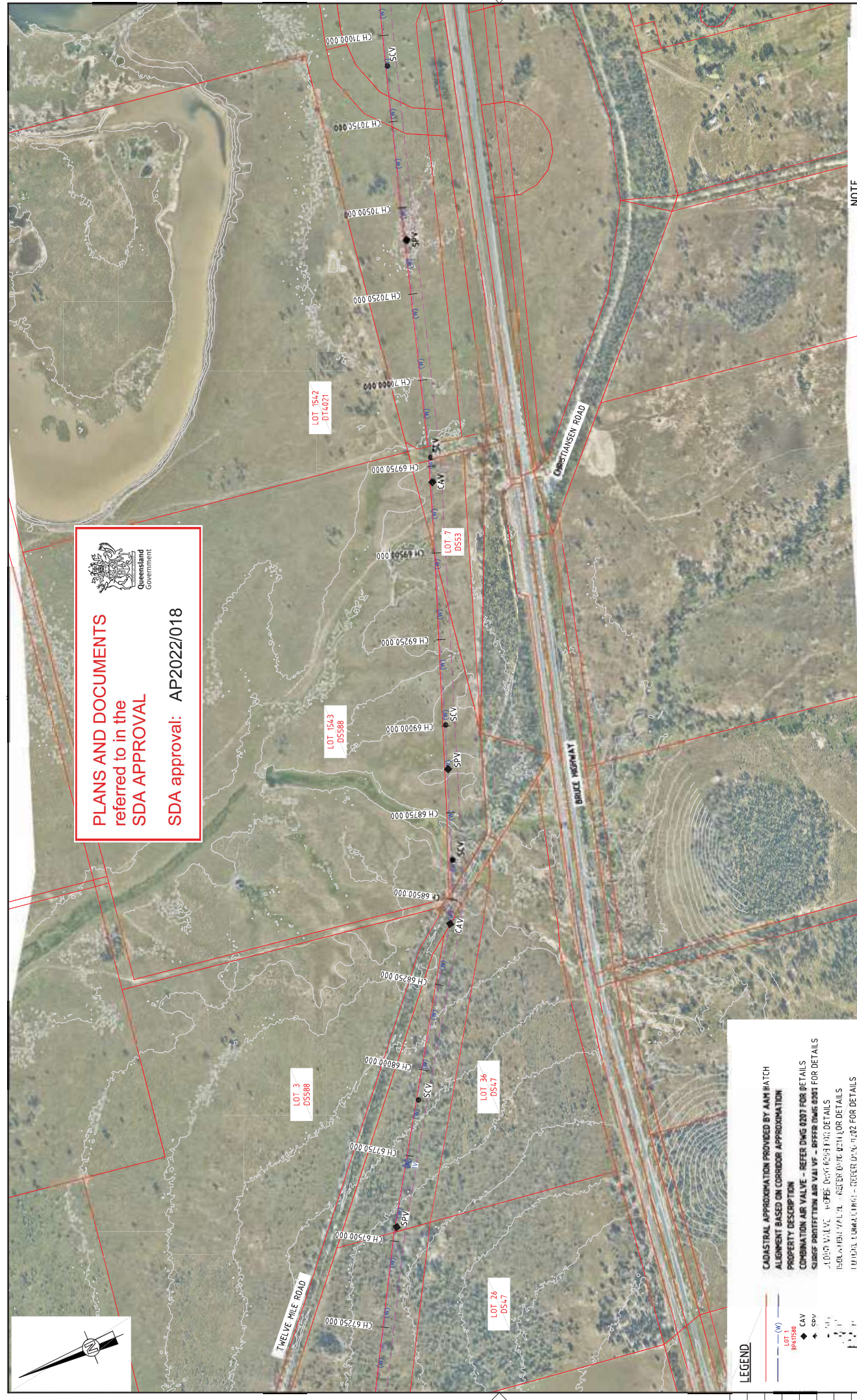
CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0208 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- (W) WATER
- (M) MARLBOROUGH
- CAV COMBINATION AIR VALVE
- SPV SURGE PROTECTION VALVE
- SCV SCOUR VALVE
- IV ISOLATION VALVE
- FC FUTURE CONNECTION



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**  
SDA approval: AP2022/018



**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE LAYOUT PLAN CH68000 TO CH71500 SHEET 20
SCALE	1:5000
PHASE	CONCEPT DESIGN
PROJECT DRAWING NO.	30032687-DWG-34100-C-4037
ISSUED	D



RESOURCES	 LEVEL 6, 400 ST PAULS TERRACE © ASH 470 005 475 149 SMEC PROJECT NO. 30032687
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SCALES AT A4 SIZE DRAWING	SCALE X
0 100 200 250m	1: 1000 (A3) 1: 500 (A4)

PROJECT NAME	THE	PROJ DATE	19/3/22	19/3/27
APPROVAL	MSL	MSL	MSL	MSL
DRAWN BY	C. BROW	DESIGNED BY	J. MERRIAM	PROJECT MANAGER
CHECKED BY	J. MERRIAM	DESIGNED BY	M. SERRANO LOPEZ	PROJECT DIRECTOR
DATE	18/1/22	DATE	18/1/22	DATE

NO.	REV.	DATE	DESCRIPTION
006	A	20/08/21	30% CONCEPT DESIGN
006	B	14/11/22	CONCEPT DESIGN SET PHASE
006	C	30/06/22	OPTIMISED CONCEPT DESIGN
037	D	18/11/22	UPDATED RIGHT OF WAY

**LEGEND**

- (W) WATER
- LOT 1 1542 DS14021
- CAV COMBINATION AIR VALVE
- SPV SURFACE PROTECTION AIR VALVE
- ASPH ASPHALT
- GRAVEL GRAVEL
- CONCRETE CONCRETE
- DIRT DIRT
- ROAD ROAD
- RIGHT OF WAY

**CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH**  
**ALIGNMENT BASED ON CORRIDOR APPROXIMATION**  
**PROPERTY DESCRIPTION**  
 COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
 SURFACE PROTECTION AIR VALVE - REFER DWG 0201 FOR DETAILS  
 ASPHALT VALVE - REFER DWG 0203 FOR DETAILS  
 GRAVEL VALVE - REFER DWG 0211 FOR DETAILS  
 CONCRETE VALVE - REFER DWG 0212 FOR DETAILS  
 RIGHT OF WAY

PROJECT LOCATION NAME	V:\_VIA\Projects\30032687A-GFP-DE-Prop\1100_CADD\CAD\DWG\0130_01_34100_ALTON_DOWNS_TO_RAGLAN_PIPELINE_30032687-DWG-34100-C-4037.dwg
EXTERNAL REFERENCE FILES	
DATE	18/11/22
DATE	18/11/22
DATE	18/11/22
DATE	18/11/22
DATE	18/11/22

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

**SDA approval: AP2022/018**



Queensland Government

**NOTE**  
FOR SMEC'S DISCLAIMER REFER DRAWING  
1. 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**



RESUME  
SMEC PROJECT NO. 30032687

SCALE X  
1: 8000 (A3)  
1: 5000 (A4)

NAME	TITLE	DATE
SIGNITIFER	DRAFTER	10/01/59
C. BIRD	DRAFTING CHECK	23 Nov 2022
J. JINGENHAR	DESIGNER	
M. SERRANO LOPEZ	DESIGN CHECK	
M. SERRANO LOPEZ	PROJECT MANAGER	
D. TAYLOR	PROJECT DIRECTOR	

REV	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.01.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	10.10.22	RIGHT OF WAY

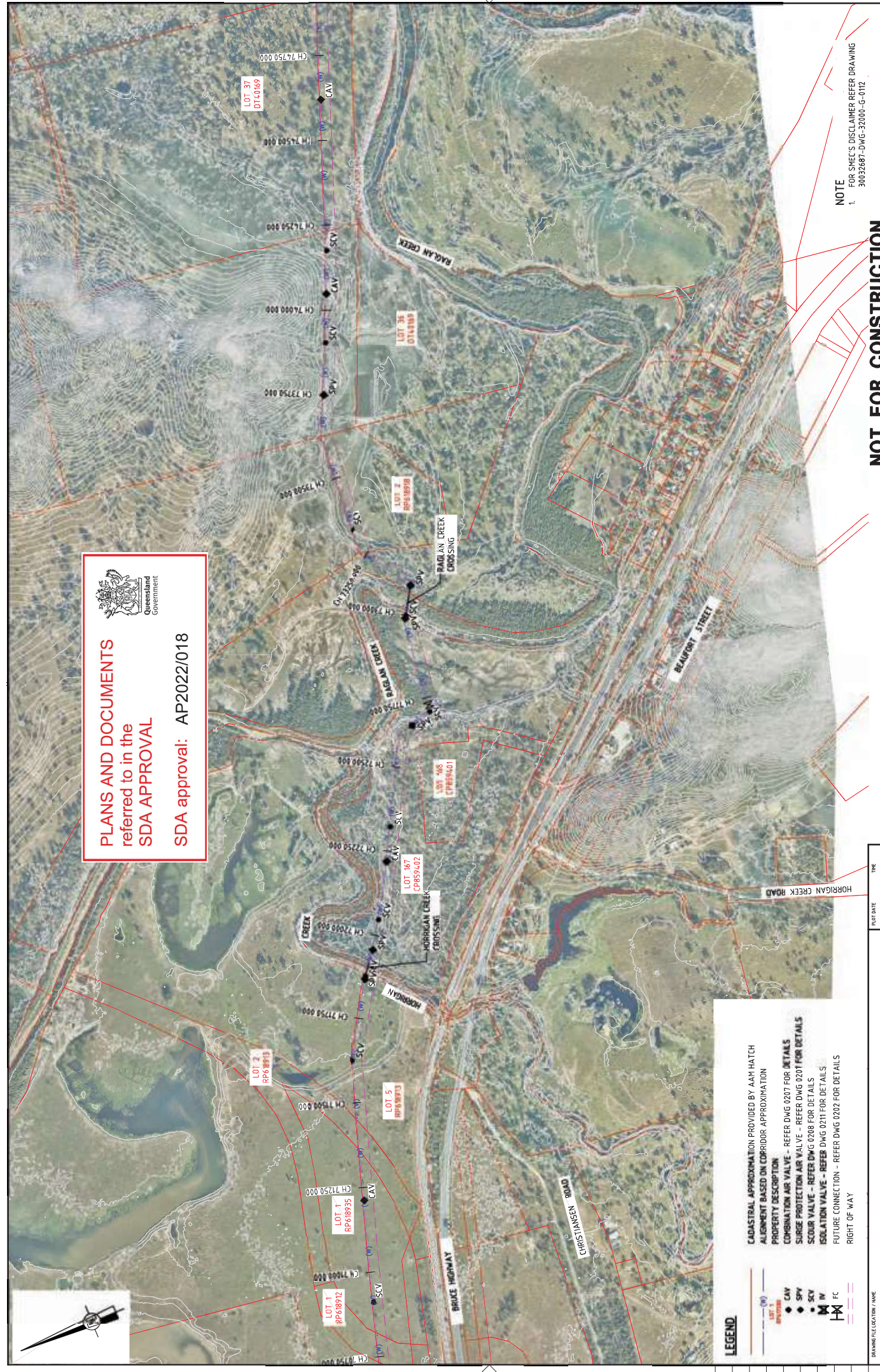
REV	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.01.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	10.10.22	RIGHT OF WAY

REV	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.01.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	10.10.22	RIGHT OF WAY

**CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH**  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- 100' (30.48m) RIGHT OF WAY
- CAV
- SPV
- SCV
- M/W
- FC



**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**  
**SDA approval: AP2022/018**



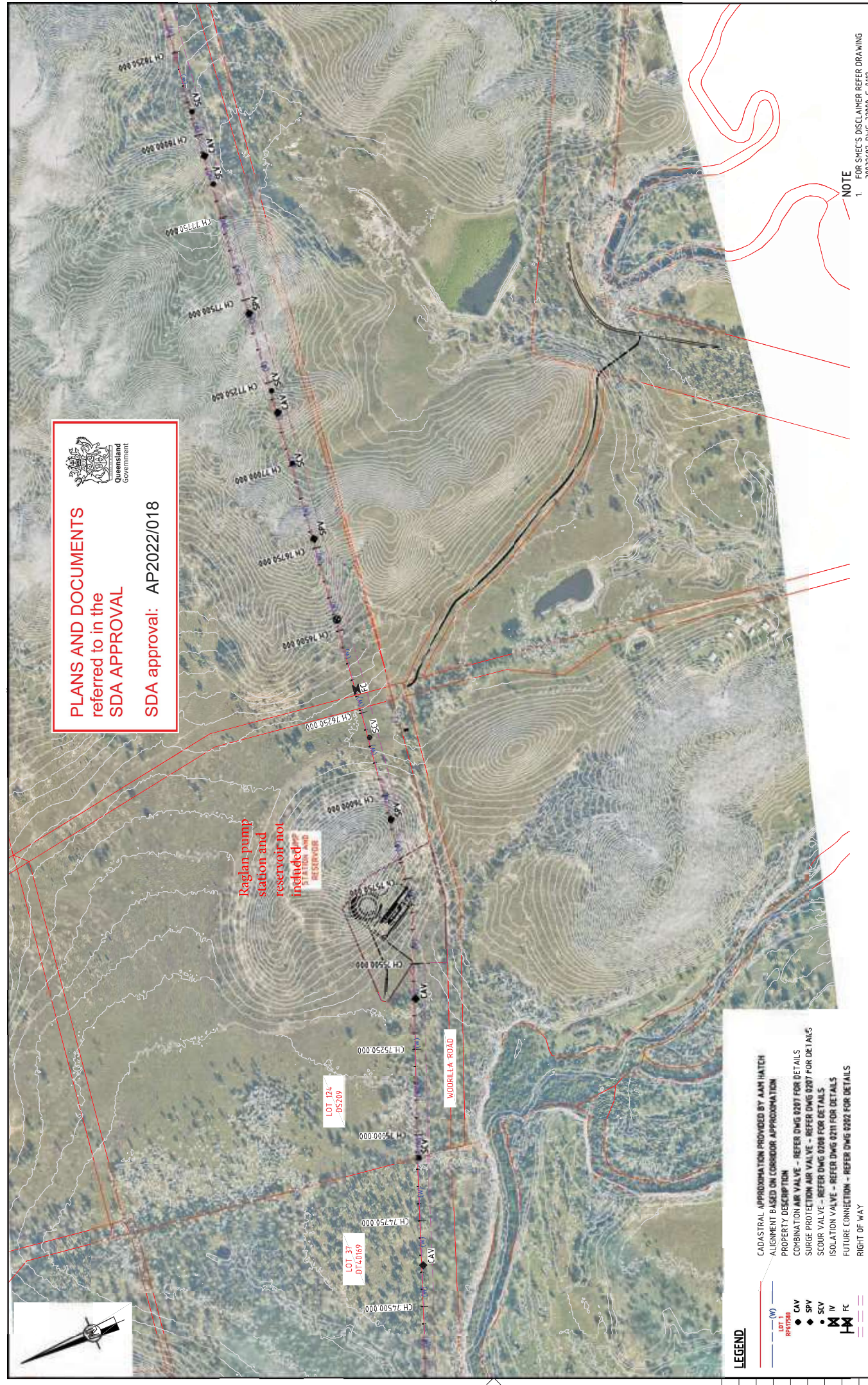
**Raglan pump station and reservoir not included in this SDA APPROVAL**

**CADAstral APPROXIMATION PROVIDED BY AAM HATCH**  
**ALIGNMENT BASED ON CORRIDOR APPROXIMATION**  
**PROPERTY DESCRIPTION**  
**COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS**  
**SCOUR PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS**  
**SCOUR VALVE - REFER DWG 0208 FOR DETAILS**  
**ISOLATION VALVE - REFER DWG 0211 FOR DETAILS**  
**FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS**  
**RIGHT OF WAY**

**LEGEND**

- (V) LOT
- LOT 124 DS209
- LOT 37 DT-0169
- CAV
- SPV
- IV
- FC

<p><b>NOT FOR CONSTRUCTION</b></p>	
<p>PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT          30GLA - ALTON DOWNS TO RAGLAN PIPELINE          LAYOUT PLAN          CH75000 TO CH78500          SHEET 22</p>	
<p>SCALE: 1:5000          PROJECT NUMBER: 30032687-DWG-34-00-C-4039          PHASE: CONCEPT DESIGN</p>	
<p>CLIENT: Gladstone Area Water Board</p>	
<p>RESUR: SMEC          Level 6, 400 St Pauls Terrace          © ASB 17 005 475 149          SMC PROJECT NO. 30032687</p>	
<p>PROFDATE: 22 Nov 2022</p>	<p>TIME: 19:35:55</p>
<p>APPROVAL: MSL</p>	<p>TITLE: 193555</p>
<p>DATE: 14-11-22</p>	<p>DRAWN BY: S. WITTNER</p>
<p>DATE: 30-06-22</p>	<p>DRAFTING CHECK: C. BIRD</p>
<p>DATE: 18-11-22</p>	<p>DESIGNER: J. WIGGEMAR</p>
<p>DATE: 18-11-22</p>	<p>DESIGN CHECK: M. SERRANO LOPEZ</p>
<p>DATE: 18-11-22</p>	<p>PROJECT MANAGER: M. SERRANO LOPEZ</p>
<p>DATE: 18-11-22</p>	<p>PROJECT DIRECTOR: D. TAYLOR</p>





**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**

**STANDARD PIPELINE NOTES:**

- SERVICES SHOWN ARE APPROXIMATE ONLY AND ARE THOSE RECEIVED FROM DBYD TO DATE (VALID FOR LIMITED PERIOD). EXACT LOCATION TO BE DETERMINED ON SITE.
- BOREHOLES SHOWN ARE APPROXIMATE ONLY AND ARE THOSE RECEIVED TO DATE. EXACT LOCATION TO BE DETERMINED ON SITE.
- MINIMUM PIPELINE COVER = 750mm (EXCEPT IN FLOOD PRONE AREAS)
- MINIMUM PIPELINE COVER IN FLOOD PRONE AREAS = 1000mm (CH 4.00 TO CH 44.300 & CH 49.400 TO 75.000)
- MAXIMUM PIPELINE COVER = 3500mm
- MINIMUM PIPELINE COVER UNDER ROADS = 900mm
- MINIMUM PIPELINE COVER UNDER CREEKS = 900mm
- MAXIMUM DESIGN PRESSURE FOR PIPELINE SECTION = 210m

**STANDARD CROSSING NOTES:**

- REFER TO PIPELINE LONG PROFILE DRAWINGS FOR DETAILS OF PIPE AND FITTINGS
- ALL PIPE JOINTS TO BE WELDED WITHIN CONCRETE ENCASUREMENT SECTION AND ENCASING PIPE
- CLASS AND DETAILS OF ENCASING PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR.
- REINFORCED CONCRETE ENCASING PIPE TO BE USED FOR RAIL CROSSINGS AND COMBINED ROAD & RAIL CROSSINGS.
- FOR ALL OTHER CROSSINGS, TYPE OF ENCASING PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR AND APPROVED BY PRINCIPAL CONTRACTOR.
- ENCASING PIPE TO BE INSTALLED BY THRUST BORING OR MICRO TUNNELLING METHOD.
- ENCASING PIPE TO EXTEND MIN 2m PAST TOE OF BATTER FOR ROAD/RAIL EMBANKMENT.
- ENCASING PIPE TO EXTEND MIN 2.0m PAST EDGE OF CREEK BANK

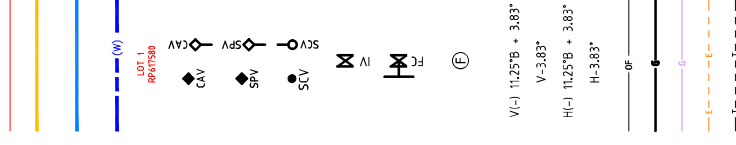
**SUMMARY TABLE OF PIPE SECTION LENGTHS**

CHAINAGE	CHAINAGE	LENGTH	DESCRIPTION
4006.538	59591.430	52494.922	ALTON DOWNS P.S. TO PROPOSED REALIGNMENT (INKERMAN CREEK)
59591.430 = 0.000	693.388	693.388	PROPOSED REALIGNMENT (INKERMAN CREEK)
693.388 = 57178.483	75985.662	18807.179	PROPOSED REALIGNMENT (INKERMAN CREEK) TO RAGLAN P.S.

**SETOUT NOTE:**

- START OF PIPELINE CONTROL LINE AT CH 4006.538 COINCIDES WITH THE SOUTHERN BOUNDARY OF LOT 40 PL641.

**LEGEND**



CADASTRAL APPROXIMATION BASED ON ASSUMPTION FROM IMAGE INFORMATION  
ALTON DOWNS EASEMENT CORRIDOR APPROXIMATION BASED ON CADASTRAL APPROXIMATION  
STANNWELL-GLADSTONE INFRASTRUCTURE CORRIDOR APPROXIMATION BASED ON CADASTRAL APPROXIMATION  
PRELIMINARY ALIGNMENT BASED ON CORRIDOR APPROXIMATION

PROPERTY DESCRIPTION

COMBINATION AIR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0207 FOR DETAILS

SURGE PROTECTION AIR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-L-0207 FOR DETAILS

SCOUR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0208 FOR DETAILS

ISOLATION VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0211 FOR DETAILS

FUTURE CONNECTION (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-L-0202 FOR DETAILS

MAGMASTER FLOWMETER (PLAN) - REFER DWG 30032656-DWG-34000-C-0209 FOR DETAILS

VERTICAL BEND WITH PIPE DEFLECTIONS

VERTICAL PIPE DEFLECTIONS

HORIZONTAL BEND WITH PIPE DEFLECTIONS

HORIZONTAL PIPE DEFLECTIONS

EXISTING OPTIC FIBRE CABLE

EXISTING GAS SERVICE (ALINTA)

EXISTING GAS SERVICE (AFA GROUP)

EXISTING ENERGEX SERVICE

EXISTING TELSTRA SERVICE

REV	DATE	BY	DESCRIPTION	APPROVAL	TITLE	DATE
A	20/08/21	MSL	30% CONCEPT DESIGN	MSL	DRAWER	19/11/22
B	14/01/22	MSL	CONCEPT DESIGN-50 PHASE	MSL	DRAFTING CHECK	22 Nov 2022
C	30/06/22	MSL	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER	
					DESIGNER	
					DESIGN CHECK	
					PROJECT MANAGER	
					PROJECT DIRECTOR	

**SMC**  
Member of the Suburban Jurong Group  
LEVEL 6, 800 SE PAULUS TERRACE  
SUITE 601, SUITE 602, SUITE 603, SUITE 604  
SHEPHERD ROAD, SUITE 601  
SHEPHERD PROJECT POC 30032887

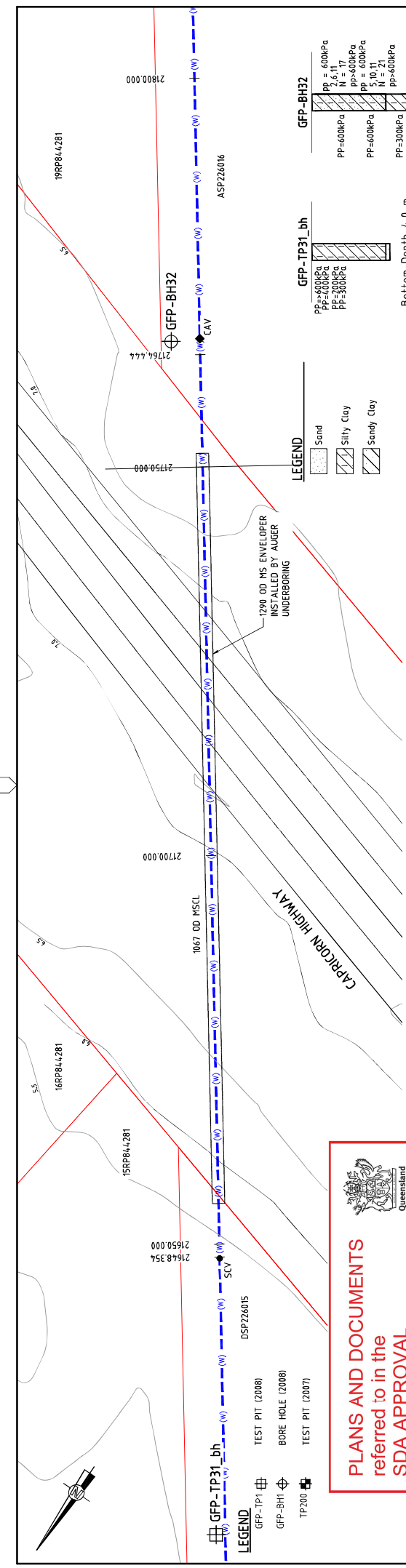
**Gladstone Area Water Board**

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
PLAN AND LONGITUDINAL SECTION  
GENERAL NOTES & LEGEND  
SHEET 1

SCALE: AS SHOWN ON DRAWING  
PROJECT NUMBER: 30032687-DWG-34000-C-0404

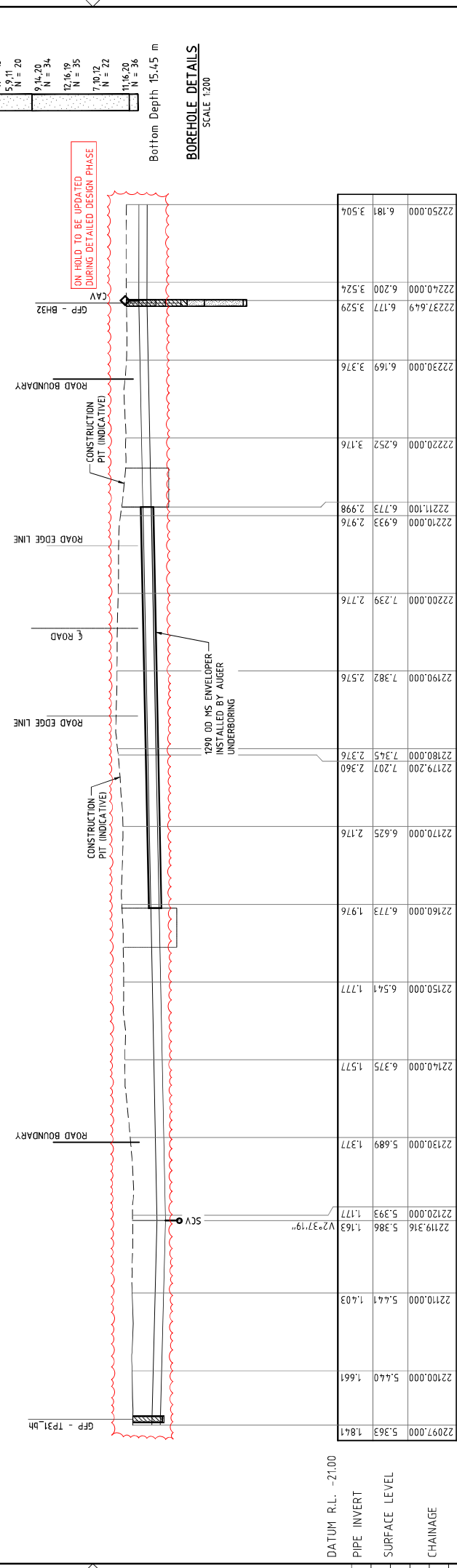
**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**

Queensland Government



**NOT FOR CONSTRUCTION**

**SMC**  
Member of the Surlana Group  
LEVEL 6, 485 ST PAULS TERRACE  
FORTITUDE VALLEY QLD 4008  
SMC PROJECT NO. 3002887

**Gladstone Area Water Board**

**PROJECT TITLE**  
FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
PLAN AND LONGITUDINAL SECTION  
CAPRICORN HIGHWAY CROSSING  
SHEET 3

**SCALE**  
CONCEPT DESIGN 3002287-DWG-34-00-04-01 D

**REVISION**

REV	DATE	REVISION / REVISION DESCRIPTION	APPVAL	DATE	THE
A	20/08/21	30% CONCEPT DESIGN	HSL	21/08/2022	SS 94.4
B	20/08/21	40% CONCEPT DESIGN	HSL		
C	20/08/22	OPERATED CONCEPT DESIGN	HSL		
D	28/11/22	UPDATED RIGHT OF WAY	HSL		

**PROJECT MANAGER** M. SERRANO LOPEZ  
**PROJECT DIRECTOR** D. ZAFAR

**SCALE AT THIS DRAWING**  
SCALE 1:250  
SCALE 1:200

**DATE** 21/08/2022

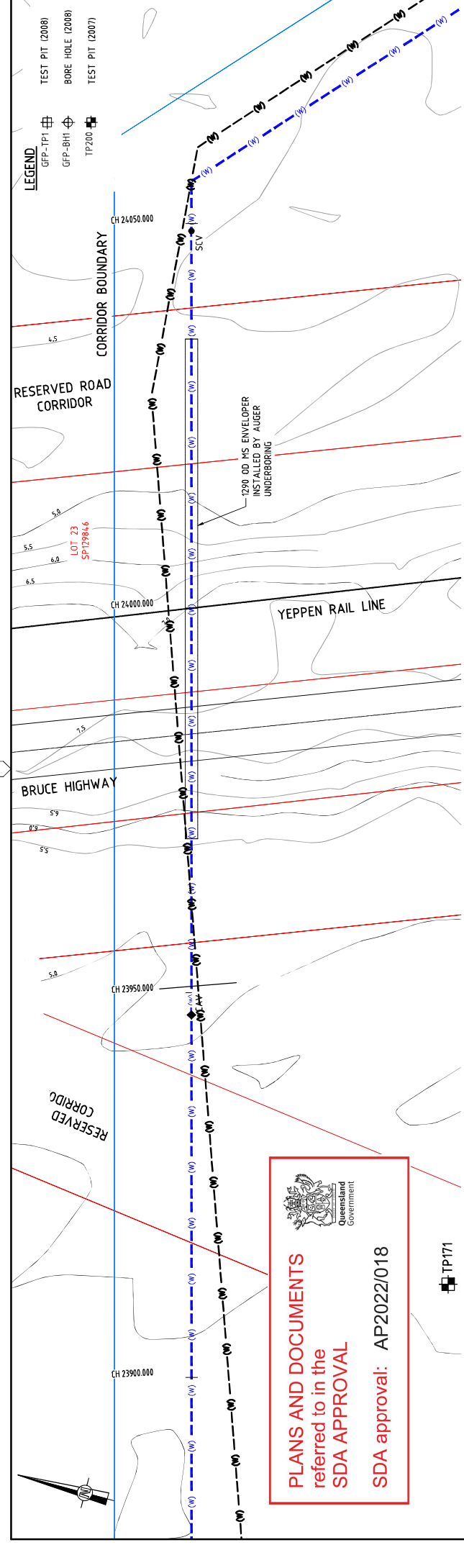
**PROJECT TITLE** FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION CAPRICORN HIGHWAY CROSSING SHEET 3

**DATE** 21/08/2022

**PROJECT TITLE** FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION CAPRICORN HIGHWAY CROSSING SHEET 3

**DATE** 21/08/2022

**PROJECT TITLE** FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION CAPRICORN HIGHWAY CROSSING SHEET 3

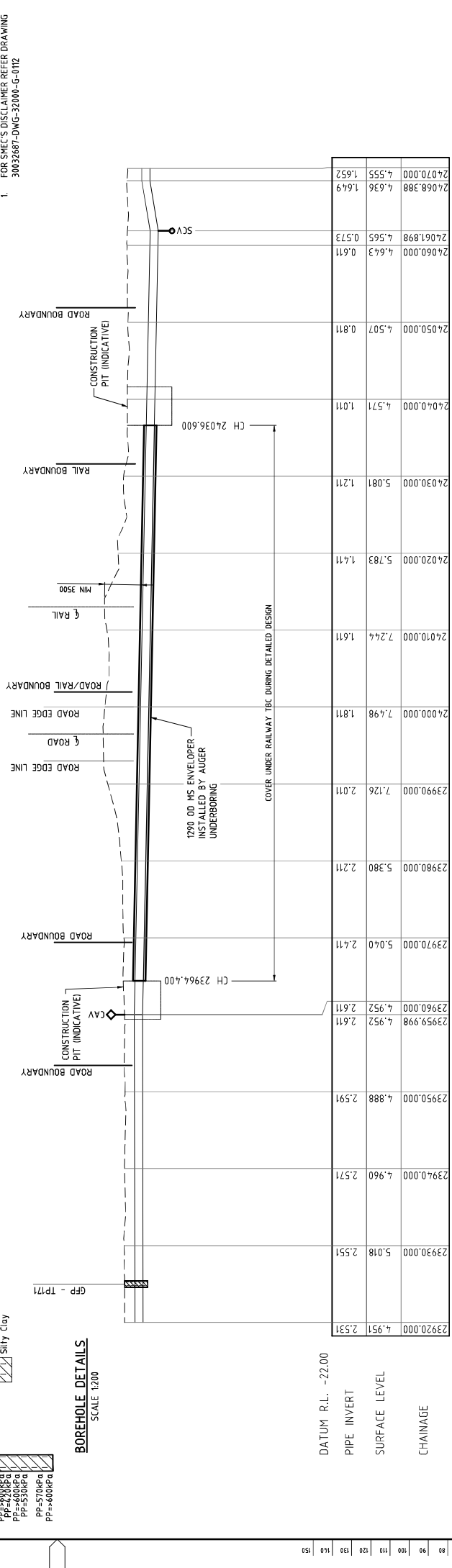
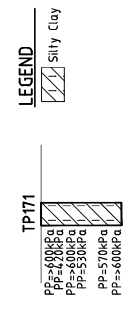


  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**

**NOTE**  
 FOR SMEC'S DISCLAIMER REFER DRAWING  
 1. 30032687-DWG-32000-G-012

**PLAN**  
 SCALE 1:250

**BOREHOLE DETAILS**  
 SCALE 1:200



**LONGITUDINAL SECTION**  
 SCALE 1:250

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE BRUCE HIGHWAY / YEPPEN RAIL LINE CROSSING SHEET 4		PROJECT NO: 30032687-DWG-32000-G-012	
CLIENT: Gladstone Area Water Board		DESIGNER: SMEC Member of the Surlana Group LEVEL 6 485 ST PAULS TERRACE FORTITUDE VALLEY QLD 4008 SMEC PROJECT NO: 30032687	
REVISIONS:		SCALE:	
PROJECT NO: 30032687-DWG-32000-G-012		PROJECT NO: 30032687-DWG-32000-G-012	

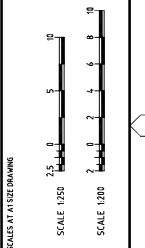
  

REV	DATE	REVISION / REVISION DESCRIPTION	APPROVAL	TITLE	DATE	THE
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B	20/02/21	60% CONCEPT DESIGN	MSL			
C	20/02/22	OPTIMISED CONCEPT DESIGN	MSL			
D	28/11/22	UPDATED RIGHT OF WAY	MSL			

NAME	DATE	SCALE AT THIS DRAWING
DRFTER: SUZHIZHAR		SCALE 1:250
DRAFTING CHECK: DULIP JAG		SCALE 1:200
DESIGNER: B BEALING		
DESIGN CHECK: M SERRANO LOPEZ		
PROJECT MANAGER: M SERRANO LOPEZ		
PROJECT DIRECTOR: D ZAFAR		

**NOT FOR CONSTRUCTION**



REV	DATE	REVISION / REVISION DESCRIPTION	APPROVAL	TITLE	DATE	THE
A	20/02/21	30% CONCEPT DESIGN	MSL	21 Nov 2022	15/08/18	
B	20/02/21	60% CONCEPT DESIGN	MSL			
C	20/02/22	OPTIMISED CONCEPT DESIGN	MSL			
D	28/11/22	UPDATED RIGHT OF WAY	MSL			

NAME	DATE	SCALE AT THIS DRAWING
DRFTER: SUZHIZHAR		SCALE 1:250
DRAFTING CHECK: DULIP JAG		SCALE 1:200
DESIGNER: B BEALING		
DESIGN CHECK: M SERRANO LOPEZ		
PROJECT MANAGER: M SERRANO LOPEZ		
PROJECT DIRECTOR: D ZAFAR		

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 DATE PLOTTED: 21 Nov 2022 15:08:18  
 PLOT DATE: 21 Nov 2022 15:08:18  
 PLOT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
 30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
 BRUCE HIGHWAY / YEPPEN RAIL LINE CROSSING  
 SHEET 4



**LEGEND**

- GFP-TP1
- GFP-BH1
- TP200

TEST PIT (2008)  
BORE HOLE (2008)  
TEST PIT (2007)

CH 54650.000

LOT 2  
RP601795

1200 OD MS ENVELOPER  
INSTALLED BY AUGER  
UNDERBORING

GFP-BH38

CORRIDOR BOUNDARY

BAJOOIL RAIL SIDING

RAIL BOUNDARY

RAIL FORMATION

RAIL BOUNDARY

CONSTRUCTION  
PIT (INDICATIVE)

CONSTRUCTION  
PIT (INDICATIVE)

COVER UNDER RAILWAY TBC DURING DETAILED DESIGN

1200 OD MS ENVELOPER  
INSTALLED BY AUGER  
UNDERBORING

CH 54611.850

CH 54563.650

CH 54550.000

CH 54500.000

CH 54450.000

CH 54400.000

CH 54350.000

CH 54300.000

CH 54250.000

CH 54200.000

CH 54150.000

CH 54100.000

CH 54050.000

CH 54000.000

CH 53950.000

CH 53900.000

CH 53850.000

CH 53800.000

CH 53750.000

CH 53700.000

CH 53650.000

CH 53600.000

CH 53550.000

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**  
SDA approval: AP2022/018

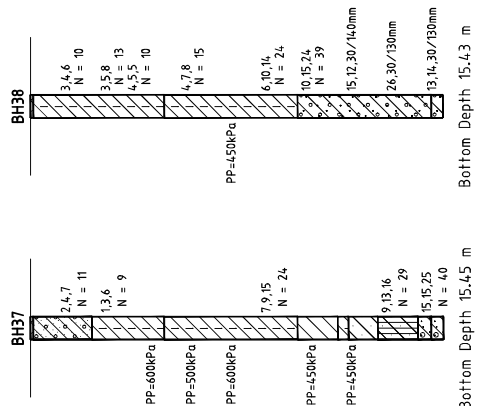


Queensland  
Government

**PLAN**  
SCALE 1:250

**BOREHOLE DETAILS**  
SCALE 1:200

- LEGEND**
- Silty Clay
  - Silt
  - Gravel Sandy
  - Clay



DATUM R.L. -23.00  
PIPE INVERT  
SURFACE LEVEL  
CHAINAGE

CHAINAGE	54510.000	54520.000	54530.000	54540.000	54550.000	54560.000	54570.000	54580.000	54590.000	54600.000	54620.000	54630.000	54640.000
DATE	5.372	2.947	2.937	2.892	2.851	2.811	2.770	2.730	2.689	2.649	2.568	2.527	2.487
REVISION	A	B	C	D									
DESCRIPTION	30% CONCEPT DESIGN	OPERATED CONCEPT DESIGN	OPERATED CONCEPT DESIGN	OPERATED CONCEPT DESIGN									
DATE	20/02/21	28/12/22	28/12/22	28/12/22									
BY	A	B	C	D									
ROLE	DRAFTER	DRAFTING CHECK	DESIGNER	DESIGN CHECK									
NAME	SUCHITHR	DILIP JAG	B BEALING	M PERABAND LOPEZ									
TITLE	DRAFTER	DRAFTING CHECK	DESIGNER	DESIGN CHECK									
DATE	21 Nov 2022												
TIME	15:00:50												

**LONGITUDINAL SECTION**  
SCALE 1:250

REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	TITLE	THE
A	20/02/21	30% CONCEPT DESIGN	106	SUCHITHR	15:00:50
B	28/12/22	OPERATED CONCEPT DESIGN	106	DILIP JAG	
C	28/12/22	OPERATED CONCEPT DESIGN	106	B BEALING	
D	28/12/22	OPERATED CONCEPT DESIGN	106	M PERABAND LOPEZ	

SCALE AT THIS DRAWING	SCALE AT THIS DRAWING
SCALE 1:250	SCALE 1:250
SCALE 1:200	SCALE 1:200

**SMC**  
Member of the Surastra Group  
LEVEL 6, 485 ST PAULS TERRACE  
FORTITUDE VALLEY QLD 4008  
SMC PROJECT NO. 3002687

**Gladstone Area Water Board**

**NOT FOR CONSTRUCTION**

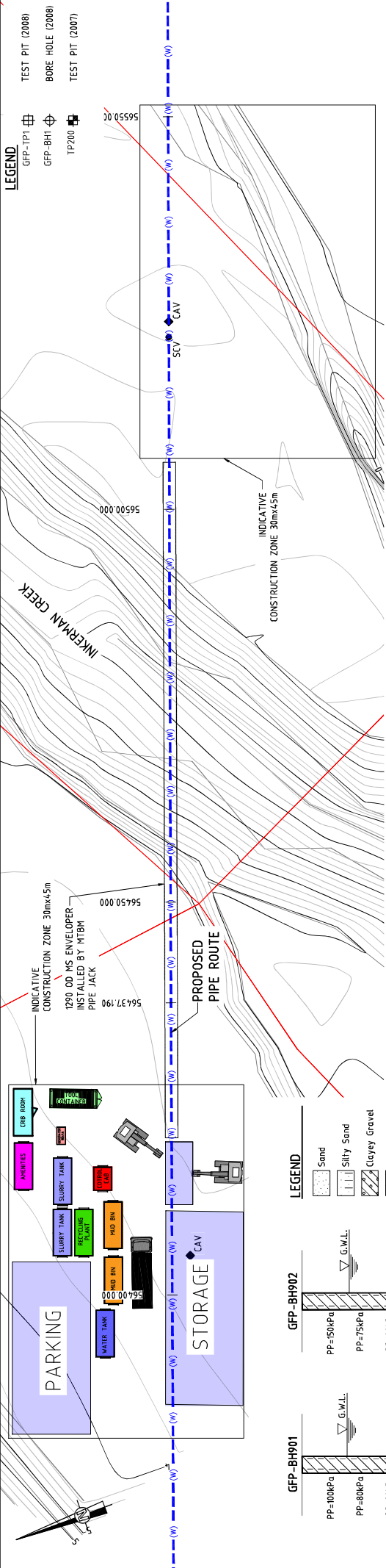
PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
PLAN AND LONGITUDINAL SECTION  
BAJOOIL RAIL CROSSING  
SHEET 5

SCALE: 1:250

DATE: 20/02/21

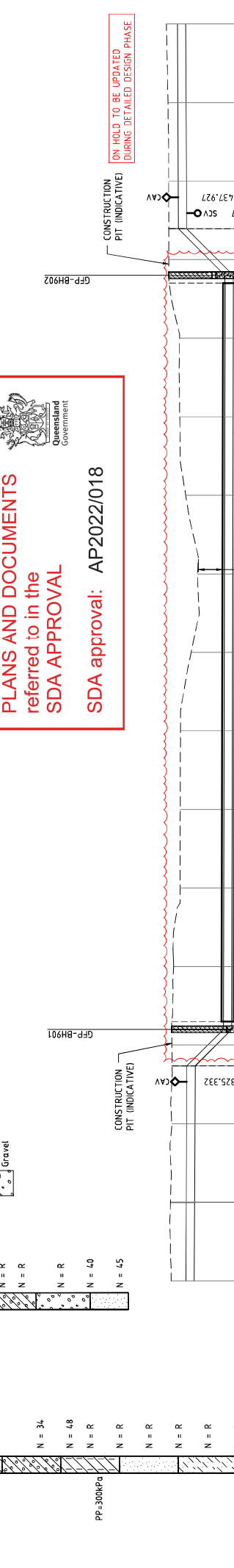
DESIGNER: S. SUCHITHR

PROJECT NO: 3002687-DWG-34-00-11-4131-D



**LEGEND**  
 TEST PIT (2008)   
 BORE HOLE (2008)   
 TEST PIT (2007)

**LEGEND**  
 SAND   
 SILTY SAND   
 CLAYEY GRAVEL   
 SILTY CLAY   
 CLAYEY SAND   
 GRAVEL



**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
 SDA approval: AP2022/018

Queensland Government

**LONGITUDINAL SECTION**  
 SCALE 1:250

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56860.000	3.208	0.133	56860.000	3.208	0.133
56870.000	3.033	0.093	56870.000	3.033	0.093
56877.332	2.996	0.064	56877.332	2.996	0.064
56882.000	3.055	-4.603	56882.000	3.055	-4.603
56890.000	2.815	-4.619	56890.000	2.815	-4.619
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56983.927	3.432	1.131	56983.927	3.432	1.131
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**NOT FOR CONSTRUCTION**

FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0172

**CLIENT**  
 FITZROY TO GLADSTONE PIPELINE PROJECT  
 30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
 INKERMAN CREEK CROSS SECTION  
 SHEET 6

**REVISIONS**

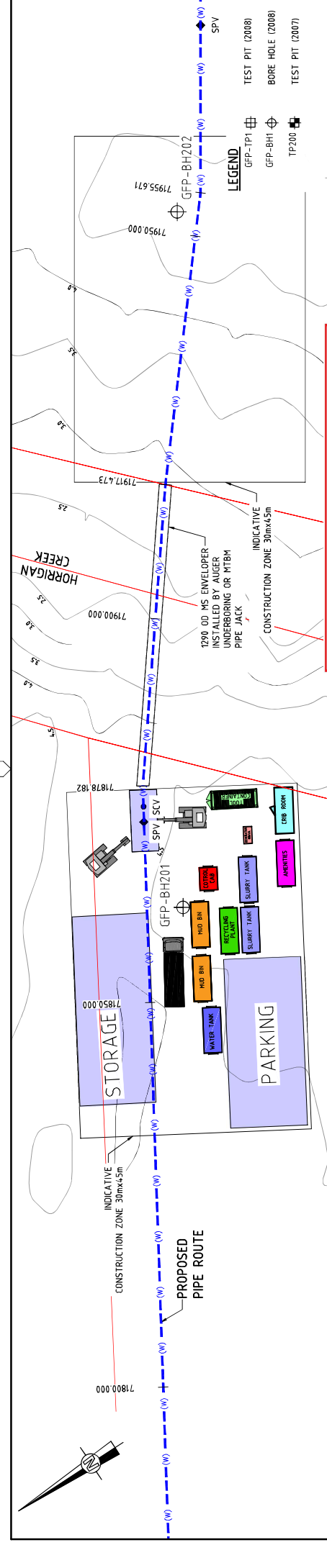
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A	20/08/21	30% CONCEPT DESIGN			21/08/2022
B	09/09/21	50% CONCEPT DESIGN			
C	09/09/21	OPTIMISED CONCEPT DESIGN			
D	28/11/22	UPDATED RIGHT OF WAY			

**PROJECT TEAM**

NAME	ROLE
SUCHITHR	DRAFTER
DILIP JAG	DRAFTING CHECK
B BEALING	DESIGNER
M VERBA AND LOPEZ	DESIGN CHECK
M VERBA AND LOPEZ	PROJECT MANAGER
D ZAFAR	PROJECT DIRECTOR

**SCALE**  
 SCALE 1:250  
 SCALE 1:200

**PROJECT INFORMATION**  
 PROJECT NO: 30032687  
 SHEET NO: 06

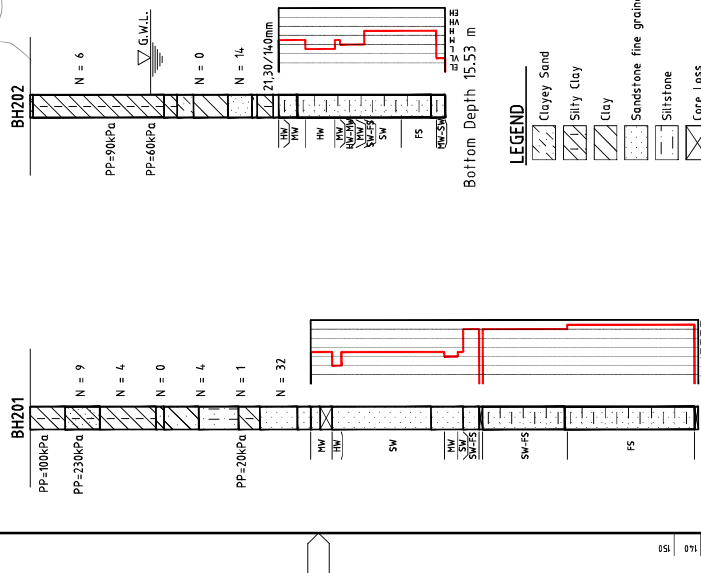


**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**

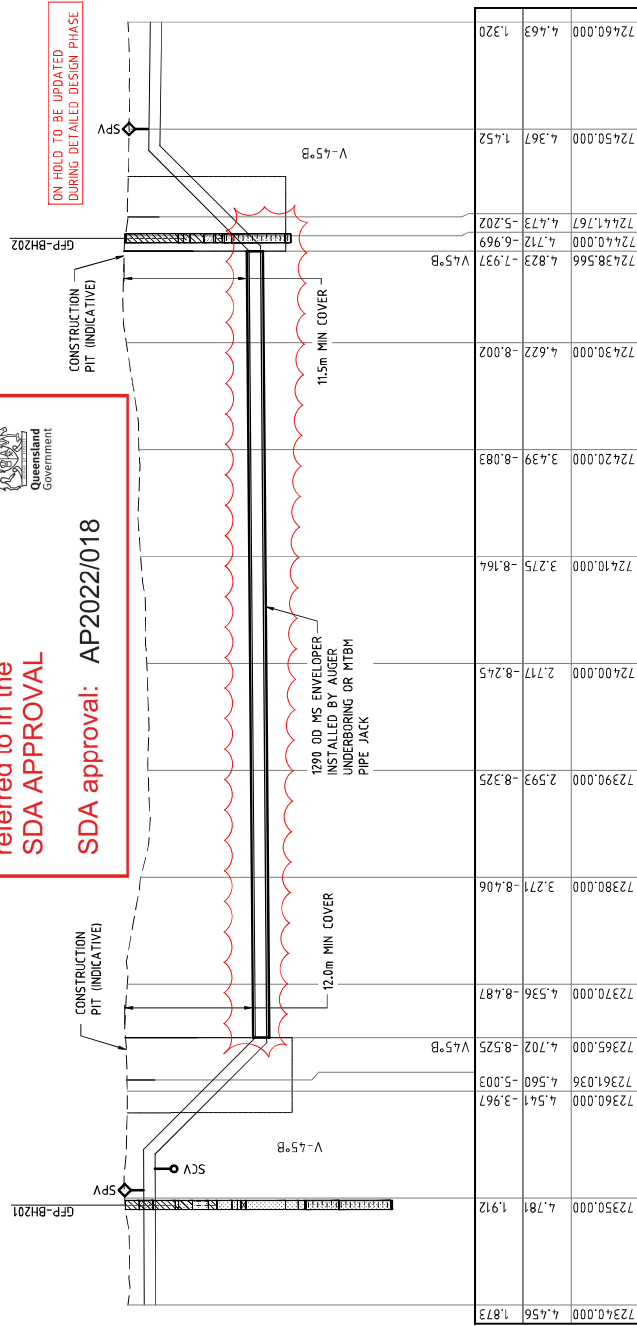
**SDA approval: AP2022/018**

Queensland Government

**PLAN**  
SCALE 1:250



**BOREHOLE DETAILS**  
SCALE 1:200



**LONGITUDINAL SECTION**  
SCALE 1:250

DATUM R.L. -28.00  
PIPE INVERT  
SURFACE LEVEL  
CHAINAGE

7234.000	4.56	1.873	7234.000	4.56	1.873
7235.000	4.781	1.912	7235.000	4.781	1.912
7236.000	4.541	-3.967	7236.000	4.541	-3.967
7236.000	4.560	-5.003	7236.000	4.560	-5.003
7236.500	4.702	-8.525	7236.500	4.702	-8.525
7237.000	4.536	-8.487	7237.000	4.536	-8.487
7238.000	3.271	-8.406	7238.000	3.271	-8.406
7239.000	2.593	-8.325	7239.000	2.593	-8.325
7240.000	2.717	-8.245	7240.000	2.717	-8.245
7241.000	3.275	-8.164	7241.000	3.275	-8.164
7242.000	3.439	-8.083	7242.000	3.439	-8.083
7243.000	4.622	-8.002	7243.000	4.622	-8.002
7244.000	4.823	-7.921	7244.000	4.823	-7.921
7245.000	4.712	-6.969	7245.000	4.712	-6.969
7246.000	4.473	-5.202	7246.000	4.473	-5.202
7247.000	4.463	1.320	7247.000	4.463	1.320
7248.000	4.463	1.320	7248.000	4.463	1.320

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-5-0112

**NOT FOR CONSTRUCTION**

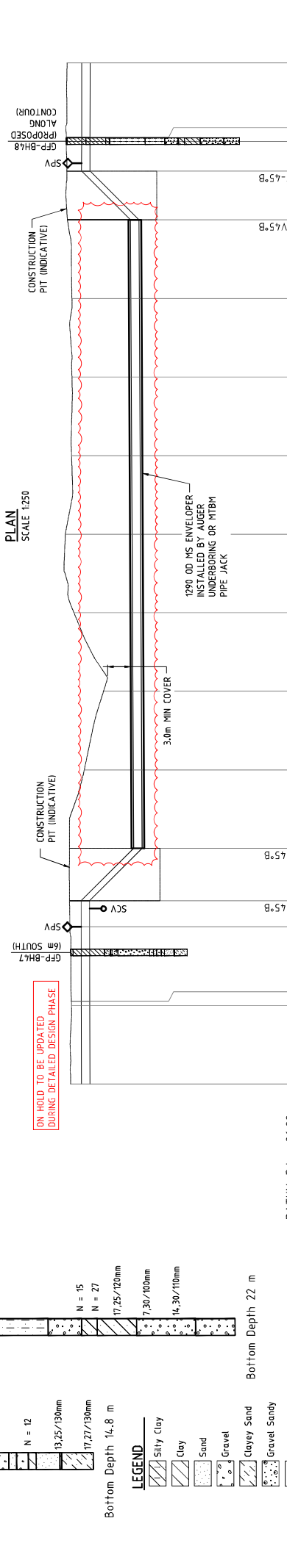
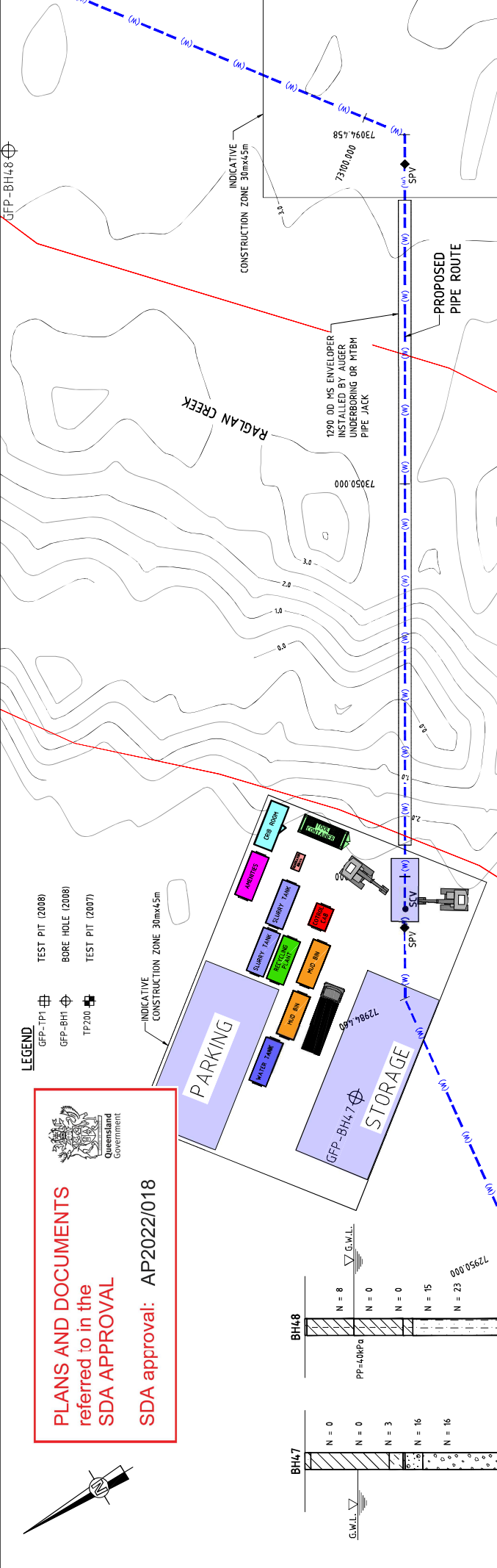
<p><b>SMEC</b> Member of the Suraana Group LEVEL 6, 485 ST PAULS TERRACE FORTITUDE VALLEY QLD 4008 SMEC PROJECT NO. 30032687</p>		<p><b>Gladstone Area Water Board</b></p>																																			
<p><b>CLIENT</b> FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION HORRIGAN CREEK CROSSING SHEET 7</p>		<p><b>SCALE</b> CONCEPT DESIGN 30032687-DWG-34,000-11.4.193 D</p>																																			
<p><b>PROJECT TITLE</b> FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION HORRIGAN CREEK CROSSING SHEET 7</p>		<p><b>PROJECT NO.</b> 30032687-DWG-34,000-11.4.193 D</p>																																			
<p><b>DATE</b> 21 Nov 2022</p>		<p><b>TIME</b> 15:45:50</p>																																			
<p><b>REV</b></p> <table border="1"> <tr><th>REV</th><th>DATE</th><th>REVISION / REASON</th><th>DESCRIPTION</th></tr> <tr><td>A</td><td>20/08/21</td><td>30% CONCEPT DESIGN</td><td></td></tr> <tr><td>B</td><td>19/09/21</td><td>50% CONCEPT DESIGN</td><td></td></tr> <tr><td>C</td><td>18/09/22</td><td>UPDATED CONCEPT DESIGN</td><td></td></tr> <tr><td>D</td><td>18/11/22</td><td>UPDATED RIGHT OF WAY</td><td></td></tr> </table>		REV	DATE	REVISION / REASON	DESCRIPTION	A	20/08/21	30% CONCEPT DESIGN		B	19/09/21	50% CONCEPT DESIGN		C	18/09/22	UPDATED CONCEPT DESIGN		D	18/11/22	UPDATED RIGHT OF WAY		<p><b>PROJ DATE</b> 21 Nov 2022</p> <p><b>APPROVAL</b></p> <table border="1"> <tr><th>NAME</th><th>TITLE</th></tr> <tr><td>SUCHITHR</td><td>DRAFTER</td></tr> <tr><td>DILIP JING</td><td>DRAFTING CHECK</td></tr> <tr><td>B BEALING</td><td>DESIGNER</td></tr> <tr><td>M SERRANO LOPEZ</td><td>DESIGN CHECK</td></tr> <tr><td>M SERRANO LOPEZ</td><td>PROJECT MANAGER</td></tr> <tr><td>D JAYAPUR</td><td>PROJECT DIRECTOR</td></tr> </table>		NAME	TITLE	SUCHITHR	DRAFTER	DILIP JING	DRAFTING CHECK	B BEALING	DESIGNER	M SERRANO LOPEZ	DESIGN CHECK	M SERRANO LOPEZ	PROJECT MANAGER	D JAYAPUR	PROJECT DIRECTOR
REV	DATE	REVISION / REASON	DESCRIPTION																																		
A	20/08/21	30% CONCEPT DESIGN																																			
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C	18/09/22	UPDATED CONCEPT DESIGN																																			
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NAME	TITLE																																				
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M SERRANO LOPEZ	DESIGN CHECK																																				
M SERRANO LOPEZ	PROJECT MANAGER																																				
D JAYAPUR	PROJECT DIRECTOR																																				

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval:** AP2022/018



- LEGEND**
- GFP-TPI
  - GFP-BH
  - TP200
  - TEST PIT (2008)
  - BORE HOLE (2008)
  - TEST PIT (2007)



CHAINAGE	SURFACE LEVEL	PIPE INVERT	DATUM R.L. -26.00
73470.000	2.591	0.261	
73470.540	2.605	0.268	
73483.332	2.843	0.294	
73490.000	2.872	-0.373	V4.5'B
73500.000	0.963	-6.323	
73510.000	-0.495	-6.273	
73520.000	2.278	-6.223	
73530.000	3.372	-6.173	
73540.000	2.585	-6.123	
73550.000	2.535	-6.073	
73560.000	2.539	-6.023	
73570.000	3.097	-5.973	V4.5'B
73580.000	3.245	0.238	
73580.540	3.236	0.237	
73590.000	3.143	0.218	

**LONGITUDINAL SECTION**  
SCALE 1:250

- NOTE**
- FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**

**SMEC**  
Member of the Suncorp Insurance Group  
© 2018  
LEVEL 6 485 ST PAULS TERRACE  
FORTITUDE VALLEY QLD 4008  
SMEC PROJECT NO. 30032687

**Gladstone Area Water Board**

**CLIENT**  
FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
**PLAN AND LONGITUDINAL SECTION  
RAGLAN CREEK CROSSING  
SHEET 8**

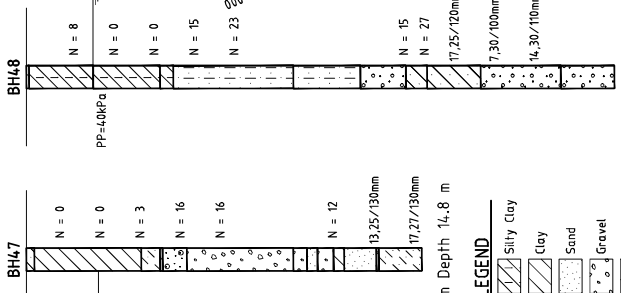
**SCALE**  
CONCEPT DESIGN: 30032687-DWG-34,000-U-4,081 D

REV	DATE	APPROVAL / REVISION DESCRIPTION	APPRAVAL TITLE	NAME
A	20/02/21	30% CONCEPT DESIGN	DRAFTER	SUCHITHR
B	06/03/21	50% CONCEPT DESIGN	DRAFTING CHECK	DILIP JING
C	09/03/21	60% CONCEPT DESIGN	DESIGNER	B BEALING
D	28/12/22	UPDATED CONCEPT DESIGN	DESIGN CHECK	M FERRELL LOPEZ
		UPDATED RIGHT OF WAY	PROJECT MANAGER	M FERRELL LOPEZ
			PROJECT DIRECTOR	D ZAFAR

REV	DATE	THE
1	21 Nov 2022	5272/4

DRAWING FILE LOCATION: V:\\_Data\Projects\300330332687-GFP-02-Project\110\_ CAD\DWG\DWG\U130\_6134510 ALTON DOWNS TO RAGLAN PIPELINE\30032687-DWG-34,000-U-4,081-D.dwg

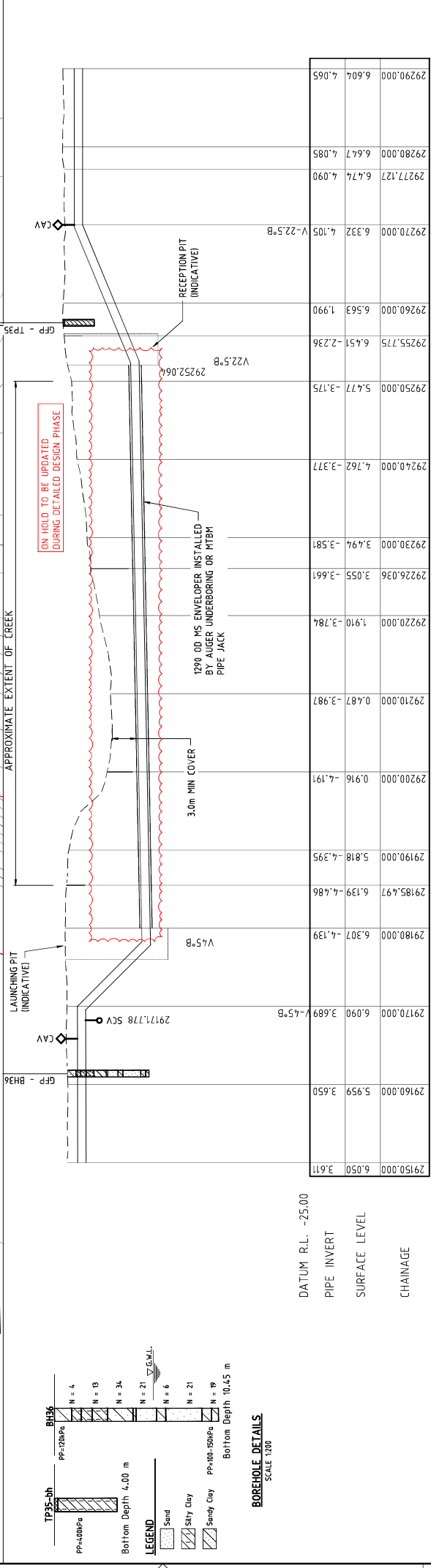
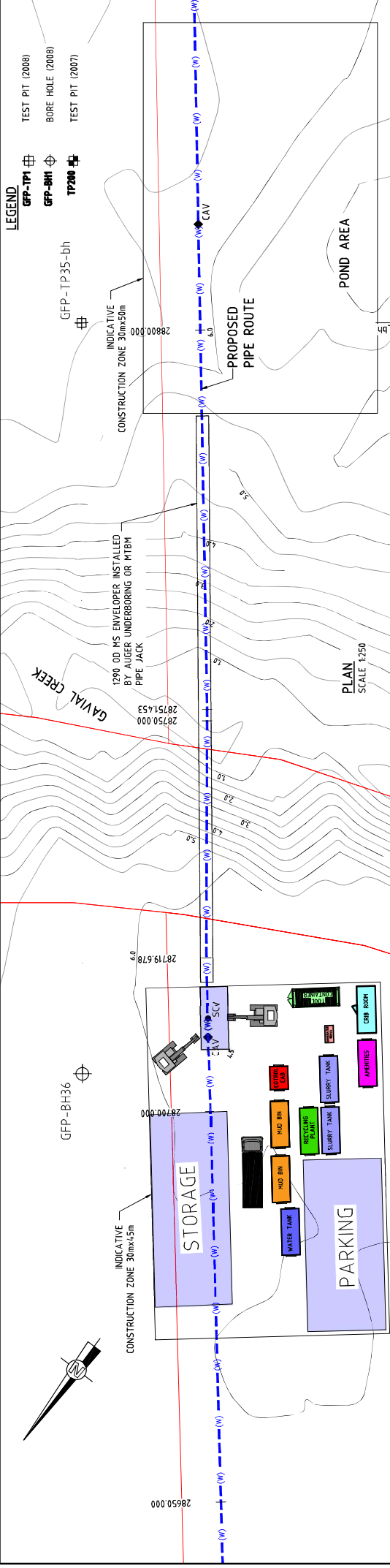
1:300 SCALE: SHEET 8  
 1:300 SCALE: SHEET 9  
 1:300 SCALE: SHEET 10



**BOREHOLE DETAILS**  
SCALE 1:200

- LEGEND**
- Silty Clay
  - Clay
  - Sand
  - Gravel
  - Clayey Sand
  - Gravel Sandy
  - Shistone

DATUM R.L. -26.00  
PIPE INVERT  
SURFACE LEVEL  
CHAINAGE



**LONGITUDINAL SECTION**  
SCALE 1:250

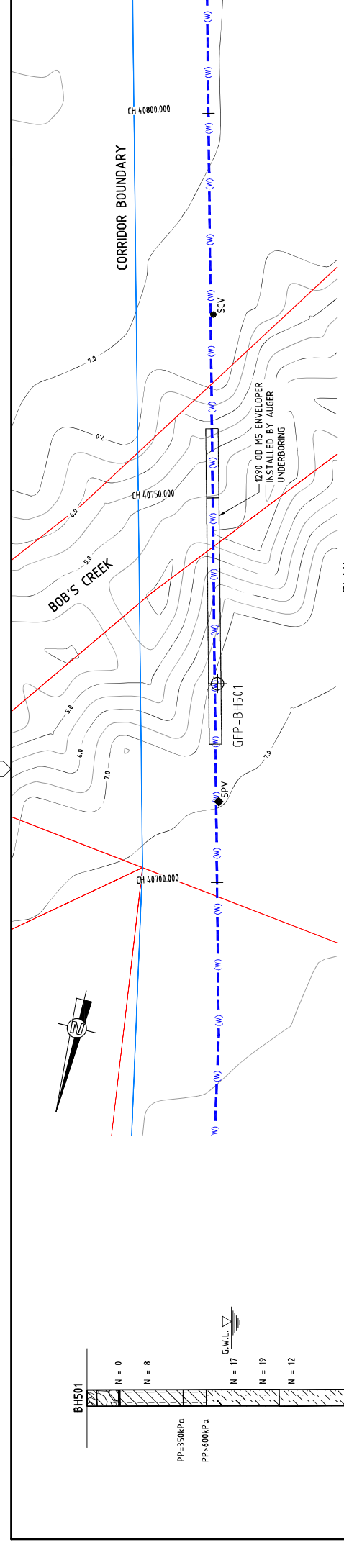
PLANS AND DOCUMENTS referred to in the SDA APPROVAL

SDA approval: AP2022/018

**NOT FOR CONSTRUCTION**

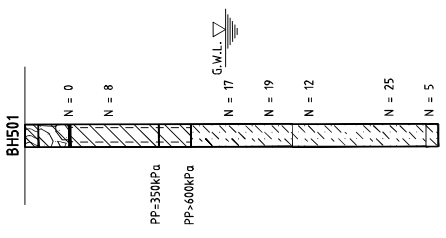
NOTE  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-5-0112

DRAWING FILE LOCATION NAME		PROJECT TITLE		CLIENT	
V:\_New\Projects\30032687-GFP-GE-Project\110_CAD\CD\DWG\0130_GLS\30032687-DWG-3100-01-07.dwg		FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION GAVIAL CREEK CROSSING SHEET 9		Gladstone Area Water Board	
PROJECT NO. 30032687		SCALE		PROJECT NO. 30032687	
DATE		SCALE AT ASSESSMENT		PROJECT NO. 30032687	
REV	DATE	APPROVAL / REVISION DESCRIPTION	SCALE AT ASSESSMENT	PROJECT NO. 30032687	
A	20/08/21	30% CONCEPT DESIGN	SCALE 1:250	PROJECT NO. 30032687	
B	06/06/22	50% CONCEPT DESIGN	SCALE 1:250	PROJECT NO. 30032687	
C	09/08/22	80% CONCEPT DESIGN	SCALE 1:250	PROJECT NO. 30032687	
D	28/11/22	UPDATED RIGHT OF WAY	SCALE 1:250	PROJECT NO. 30032687	
DRAWN BY		PROJECT NO. 30032687		PROJECT NO. 30032687	
CHECKED BY		PROJECT NO. 30032687		PROJECT NO. 30032687	
DESIGNED BY		PROJECT NO. 30032687		PROJECT NO. 30032687	
PROJECT MANAGER		PROJECT NO. 30032687		PROJECT NO. 30032687	
PROJECT DIRECTOR		PROJECT NO. 30032687		PROJECT NO. 30032687	



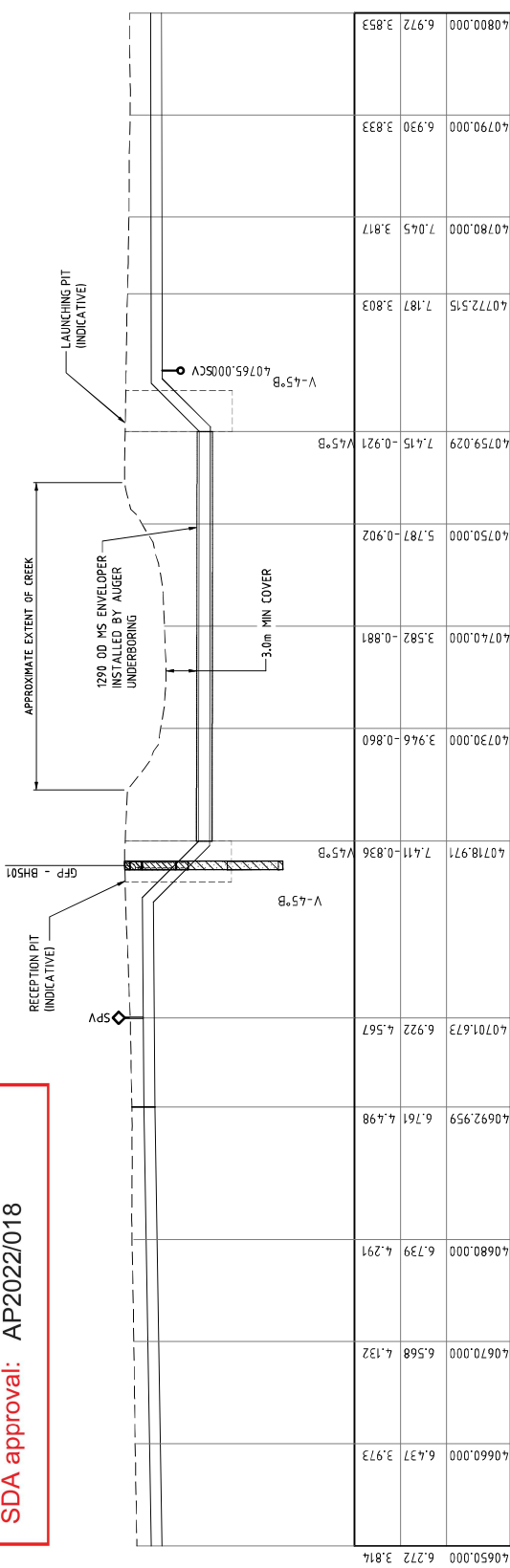
PLAN  
SCALE 1:250

**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**



**BOREHOLE DETAILS**  
SCALE 1:200

- LEGEND**
- Silty Clay
  - Sandy Gravely Clay
  - Clayey Sand
  - Clay



**LONGITUDINAL SECTION**  
SCALE 1:250

DATUM R.L. -15.00  
PIPE INVERT  
SURFACE LEVEL  
CHAINAGE

- LEGEND**
- GFP-TP1
  - GFP-BH1
  - TP200
  - TEST PIT (2008)
  - BORE HOLE (2008)
  - TEST PIT (2007)

REV	DATE	REVISION / REASON	APPROVAL	DATE	THEM
A	20/02/21	30% CONCEPT DESIGN	HSL	21/02/2022	552339
B	20/02/21	60% CONCEPT DESIGN	HSL		
C	20/02/21	90% CONCEPT DESIGN	HSL		
D	28/12/22	UPDATED CONCEPT DESIGN	HSL		
		UPDATED RIGHT OF WAY			

SCALE AT AS SHOWN DRAWING	SCALE AT 1:250	SCALE AT 1:200
0 2.5 5 10	0 2.5 5 10	0 2 4 6 8 10

NAME	DESIGNER
SUCHITHR	MEMBER OF THE SURABHA JAYANG GROUP
DILIP JAG	LEVEL 6, 485 ST PAULS TERRACE
B. BEALING	FORTITUDE VALLEY QLD 4008
M. SERRANO LOPEZ	SMC PROJECT NO. 3002687
M. SERRANO LOPEZ	

**SMC**  
Member of the Surabha Jayang Group  
LEVEL 6, 485 ST PAULS TERRACE  
FORTITUDE VALLEY QLD 4008  
SMC PROJECT NO. 3002687

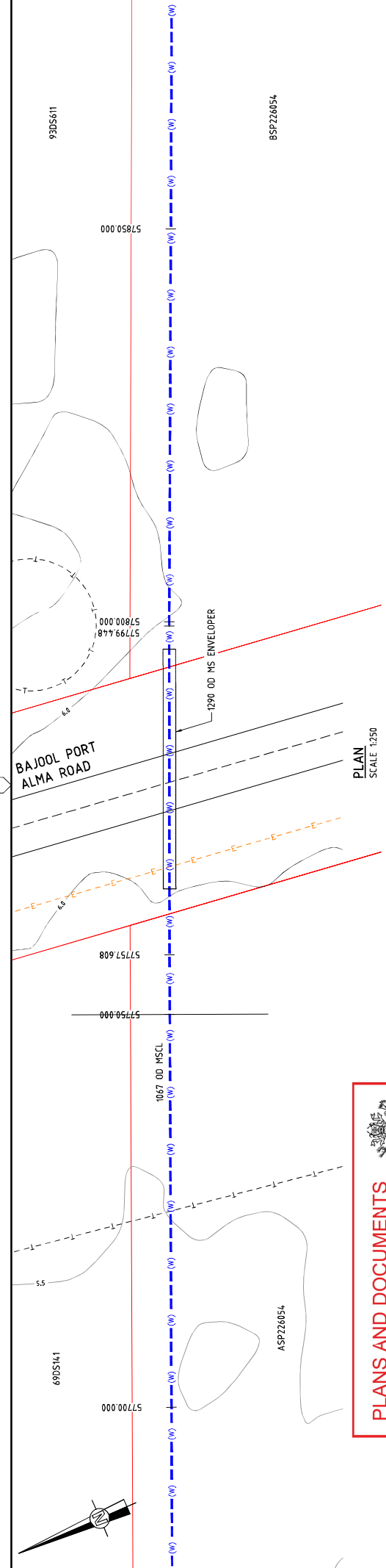


**NOT FOR CONSTRUCTION**

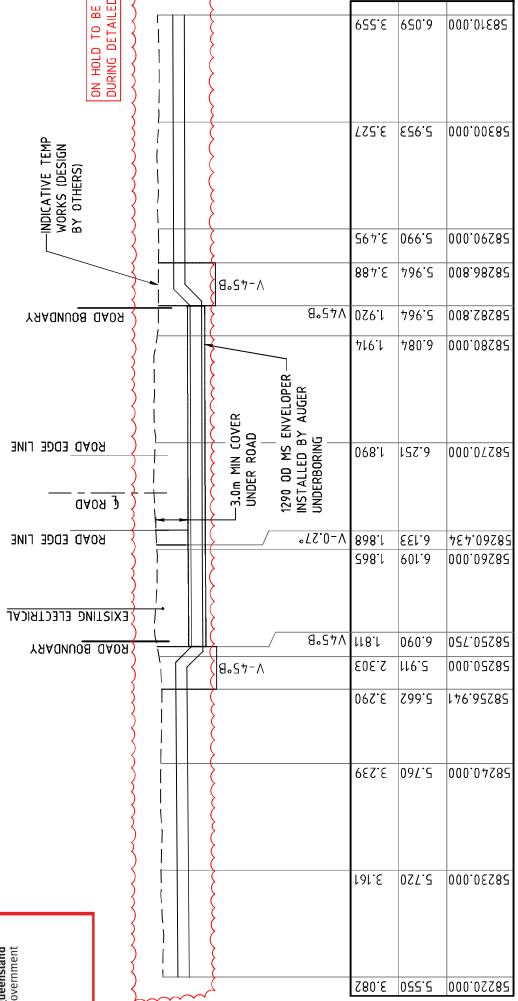
PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30GLA - ALTON DOWNS TO RAGLAN PIPELINE  
PLAN AND LONGITUDINAL SECTION  
BOB'S CREEK CROSSING  
SHEET 10

SCALE: CONCEPT DESIGN  
PROJECT NO: 3002687-DWG-34,000-UL-4,981-D

**NOTE**  
1. FOR SMC'S DISCLAIMER REFER DRAWING 3002687-DWG-32000-G-0112



  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**





**LONGITUDINAL SECTION**  
SCALE 1:250

DATUM R.L. -12.00  
 PIPE INVERT  
 SURFACE LEVEL  
 CHAINAGE

ON-HOLD TO BE UPDATED DURING DETAILED DESIGN PHASE

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**

PROJECT NAME V:\_New\Projects\30032687\GEP-02-Project\1101_CAD\CAD\DWG\0130_GLS\3100 AT TON DOWNS TO RAGLAN PIPELINE\30032687-DWG-3100-U-1508.dwg PROJECT NUMBER 30032687-DWG-3100-U-1508.dwg PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ALTON DOWNS TO RAGLAN PIPELINE PLAN AND LONGITUDINAL SECTION BAJOOL PORT ALMA ROAD CROSSING SHEET 11	CLIENT  Gladstone Area Water Board	DESIGNER  Member of the Suraana Group LEVEL 6, 485 ST PAULS TERRACE FORTITUDE VALLEY QLD 4008 AHN AT 08.45.143 SMEC PROJECT NO. 30032687	SCALE CONCEPT DESIGN 30032687-DWG-3100-U-1508	PROJECT DATE 21 Nov 2022 55%+0	APPROVAL TITLE W/No. 037 W/No. 037 W/No. 037	APPROVAL NAME SUCHITHR DULIP JAG B. BEALING M. SERRANO LOPEZ M. SERRANO LOPEZ	APPROVAL DATE 20/02/21 26/05/21 26/05/21 26/05/21	APPROVAL DESCRIPTION 30% CONCEPT DESIGN 30% CONCEPT DESIGN 30% CONCEPT DESIGN 30% CONCEPT DESIGN	PROJECT MANAGER M. SERRANO LOPEZ PROJECT DIRECTOR D. JAYAPUR
---	---	---	---	--------------------------------------	---	--	---	--	---

# FITZROY TO GLADSTONE PIPELINE PROJECT

## RAGLAN TO ALDOGA PIPELINE : 34200 COVER SHEET

PLANS AND DOCUMENTS  
referred to in the  
SDA APPROVAL

SDA approval: AP2022/018



### GENERAL

#### DRAWING No.

30032656-DWG-34200-C-6000

#### TITLE

COVER SHEET

### CIVIL WORKS

#### DRAWING No.

- 30032656-DWG-34200-C-6003 KEY PLAN
- 30032656-DWG-34200-C-6014 LAYOUT PLAN - SHEET 1
- 30032656-DWG-34200-C-6015 LAYOUT PLAN - SHEET 2
- 30032656-DWG-34200-C-6016 LAYOUT PLAN - SHEET 3
- 30032656-DWG-34200-C-6017 LAYOUT PLAN - SHEET 4
- 30032656-DWG-34200-C-6018 LAYOUT PLAN - SHEET 5
- 30032656-DWG-34200-C-6019 LAYOUT PLAN - SHEET 6
- 30032656-DWG-34200-C-6020 LAYOUT PLAN - SHEET 7
- 30032656-DWG-34200-C-6021 LAYOUT PLAN - SHEET 8
- 30032656-DWG-34200-C-6022 LAYOUT PLAN - SHEET 9
- 30032656-DWG-34200-C-6034 PLAN AND LONG SECTION - GENERAL NOTES & LEGEND

### GEOTECHNICAL

#### DRAWING No.

- 30032656-DWG-34200-U-6150 MT LARCOM ROAD / ALDOGA RAIL CROSSING - PLAN AND LONG SECTION
- 30032656-DWG-34200-U-6151 EAST END WINE RAIL LINK CROSSING - PLAN AND LONG SECTION
- 30032656-DWG-34200-U-6152 DART'S CREEK ROAD CROSSING - PLAN AND LONG SECTION - ALTERNATIVE ROUTE
- 30032656-DWG-34200-U-6153 LARCOM CREEK CROSSING - PLAN AND LONG SECTION - ALTERNATIVE ROUTE

#### TITLE

MT LARCOM ROAD / ALDOGA RAIL CROSSING - PLAN AND LONG SECTION  
EAST END WINE RAIL LINK CROSSING - PLAN AND LONG SECTION  
DART'S CREEK ROAD CROSSING - PLAN AND LONG SECTION - ALTERNATIVE ROUTE  
LARCOM CREEK CROSSING - PLAN AND LONG SECTION - ALTERNATIVE ROUTE

REV	DATE	DESCRIPTION	APPROVAL	DATE	TIME
A	08/08/21	30% CONCEPT DESIGN	MSL	20/11/20	
B	14/01/22	CONCEPT DESIGN SET PHASE	MSL		
C	30/06/22	OPTIMISED CONCEPT DESIGN	MSL		
D	18/11/22	UPDATED RIGHT OF WAY	MSL		

ROLE	NAME	SCALE	DATE
DRAFTER	SUZANNE R	AS SHOWN	20/11/20
DRAFTING CHECK	L BOW		
DESIGNER	M SERAFINO LOPEZ		
DESIGN CHECK	J W AGEMAR		
PROJECT MANAGER	M SERAFINO LOPEZ		
PROJECT DIRECTOR	D TAYLOR		

CLIENT	PROJECT TITLE	SCALE	PROJECT NUMBER
Gladstone Area Water Board	FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE GENERAL COVER SHEET		30032687-DWG-34200-G-6000

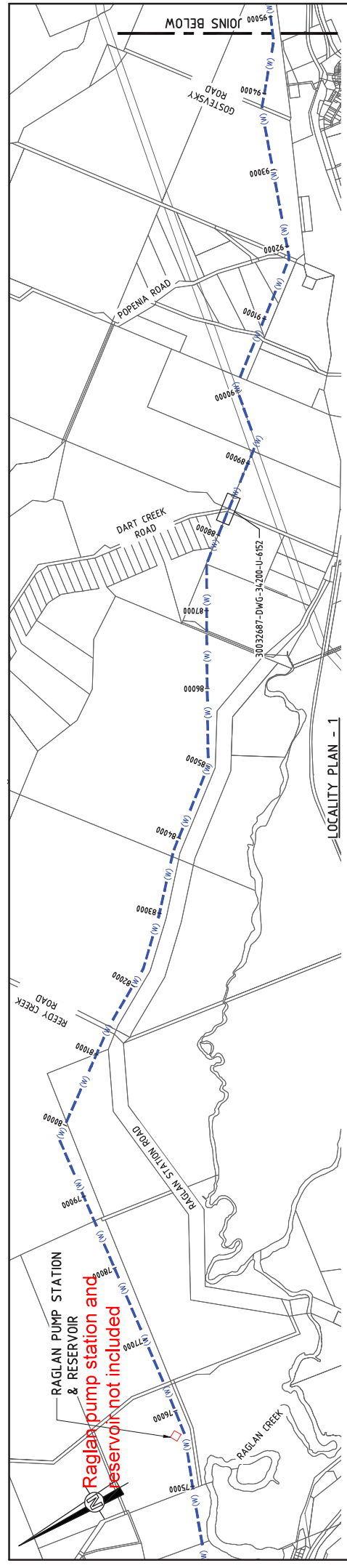
  

DESIGNER	CLIENT	PROJECT TITLE	SCALE	PROJECT NUMBER
 SMC Member of the Subana Jurong Group © ABN 47 065 475 149 LEVEL 6, 400 ST PAULUS TERRACE SUDBURY VIC 3002 SMC PROJECT NO. 3002687	Gladstone Area Water Board	FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE GENERAL COVER SHEET		30032687-DWG-34200-G-6000

**NOT FOR CONSTRUCTION**

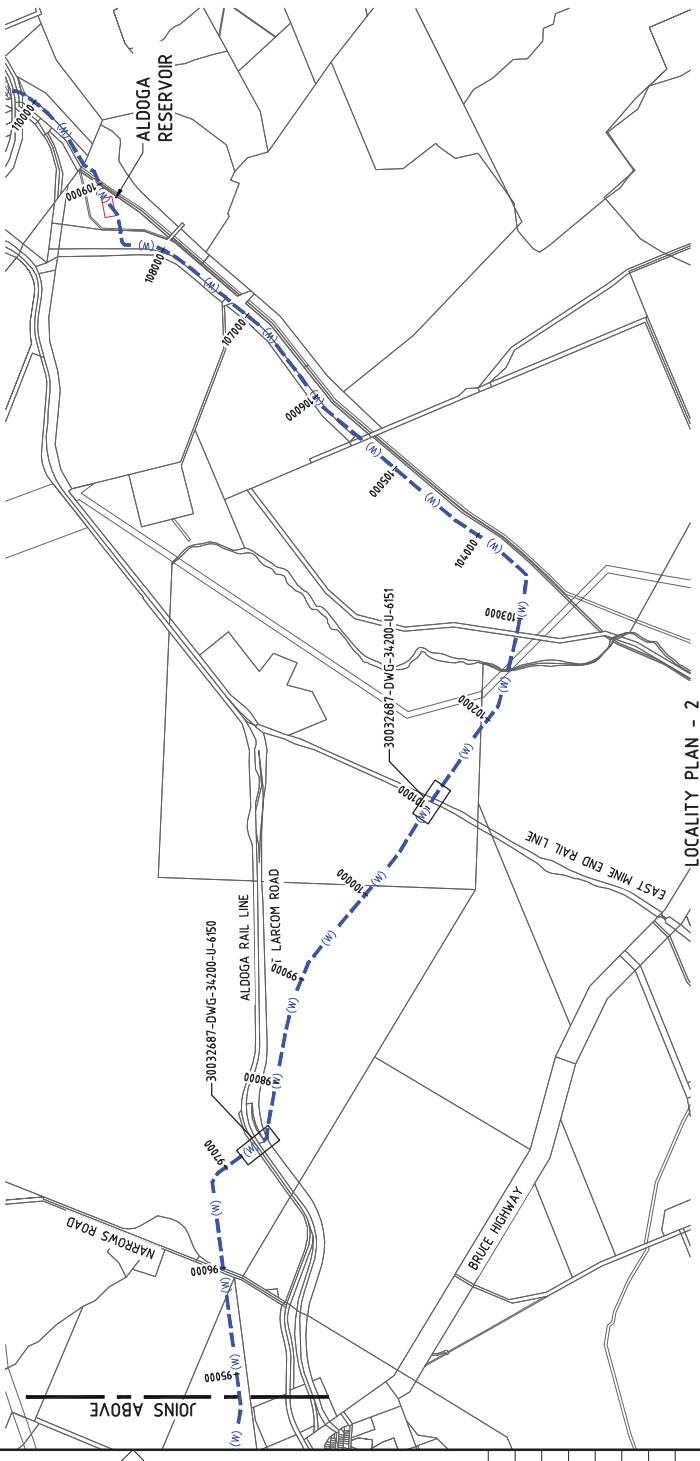
NOTE  
1. FOR SMC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-0112





LOCALITY PLAN - 1

  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**

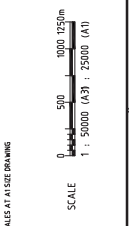


LOCALITY PLAN - 2

**NOTE**  
 1. FOR SMEC'S DISCLAIMER, REFER DRAWING 30032687-DWG-30200-G-0112

**NOT FOR CONSTRUCTION**

PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE KEY PLAN
SCALE	CONCEPT DESIGN
PROJECT DRAWING NO.	30032687-DWG-34200-C-6003
REGION	D



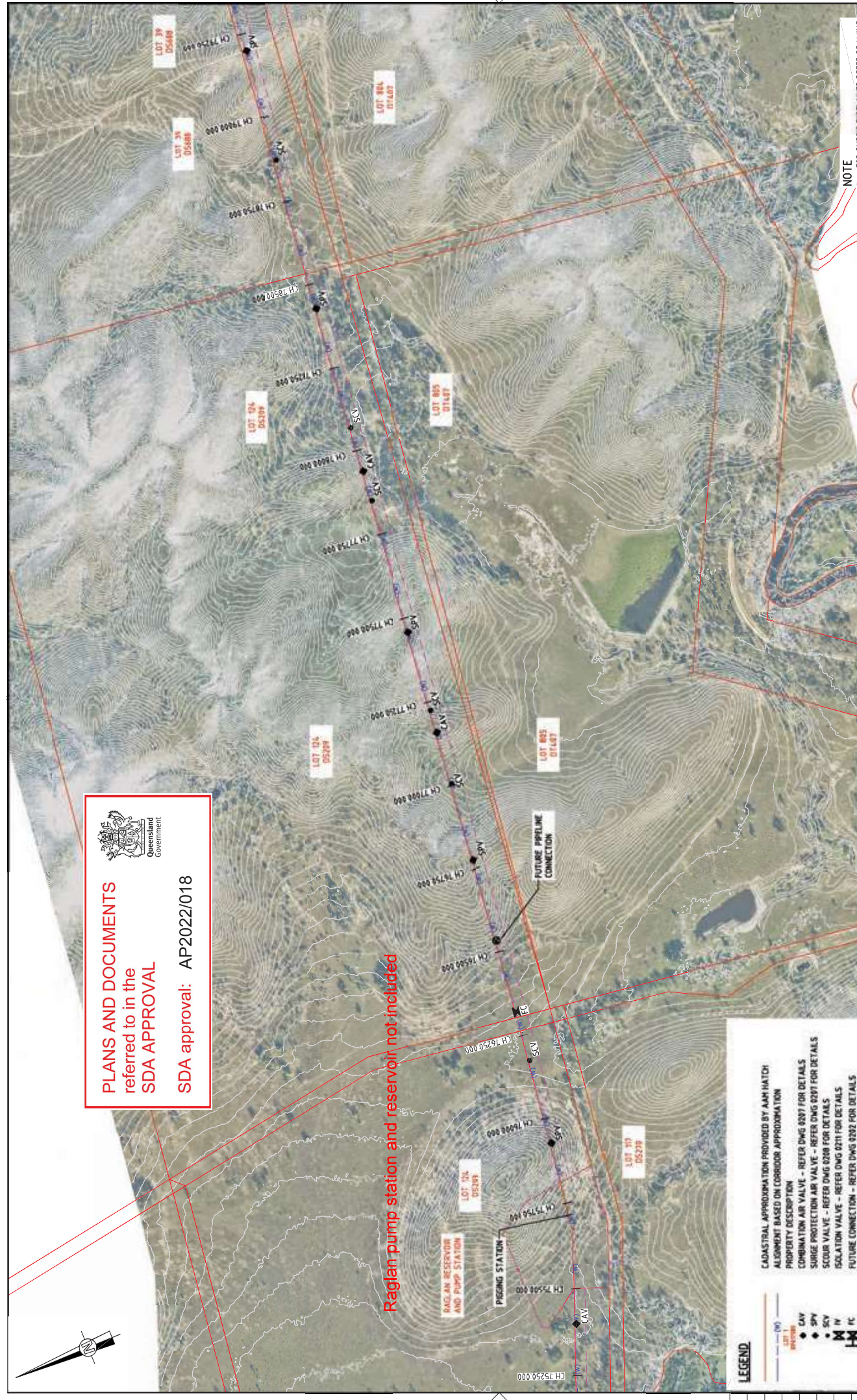
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B	14.01.22	CONCEPT DESIGN EQ PHASE	MSL	C. BROW	DRAFTING CHECK	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	M. SERRANO LOPEZ	DESIGNER	
D	18.11.22	UPDATED RIGHT OF WAY	MSL	J. WAGENAAR	DESIGN CHECK	
				M. SERRANO LOPEZ	PROJECT MANAGER	
				D. TAYLOR	PROJECT DIRECTOR	



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**

**Raglan pump station and reservoir not included**



**NOTE**  
1. FOR SMEC'S DRAFTSMAN REFER DRAWING 30032687-DWG-32000-G-0112

**LEGEND**

- CAV
- SPV
- SKV
- W IV
- HM
- FC

CAADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS

**RIGHT OF WAY**

REV	DATE	DESCRIPTION	APPVAL	THE DATE
A	20.08.21	30% CONCEPT DESIGN	MSL	19.06.23
B	14.11.22	CONCEPT DESIGN SET PHASE	MSL	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	
D	18.11.22	UPDATED RIGHT OF WAY	MSL	

NAME	ROLE	DATE
SIGNITIER	DRAFTER	
C. BOU	DRAFTING CHECK	
M. SERRANO LOPEZ	DESIGNER	
M. SERRANO LOPEZ	DESIGN CHECK	
M. SERRANO LOPEZ	PROJECT MANAGER	
D. TAYLOR	PROJECT DIRECTOR	

**EXTERNAL REFERENCE FILES**

W:\\_Vant\Projects\30032687A-GFP-DE Proj\1100\_CADD\DWG\01.30.01.32.000 RAGLAN PUMP STATION TO ALDOGA PIPELINE\30032687-DWG-32000-C-0112.dwg  
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 X:\DATA\DWG\1100\1100\_1100.dwg

**PROJECT INFORMATION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE  
 LAYOUT PLAN  
 CH76000 TO CH79500  
 SHEET 1  
 PROJECT DRAWING NO: 30032687  
 SCALE: 1:5000  
 PHASE: CONCEPT DESIGN  
 PROJECT NO: 30032687

**CLIENT**  
 Gladstone Area Water Board

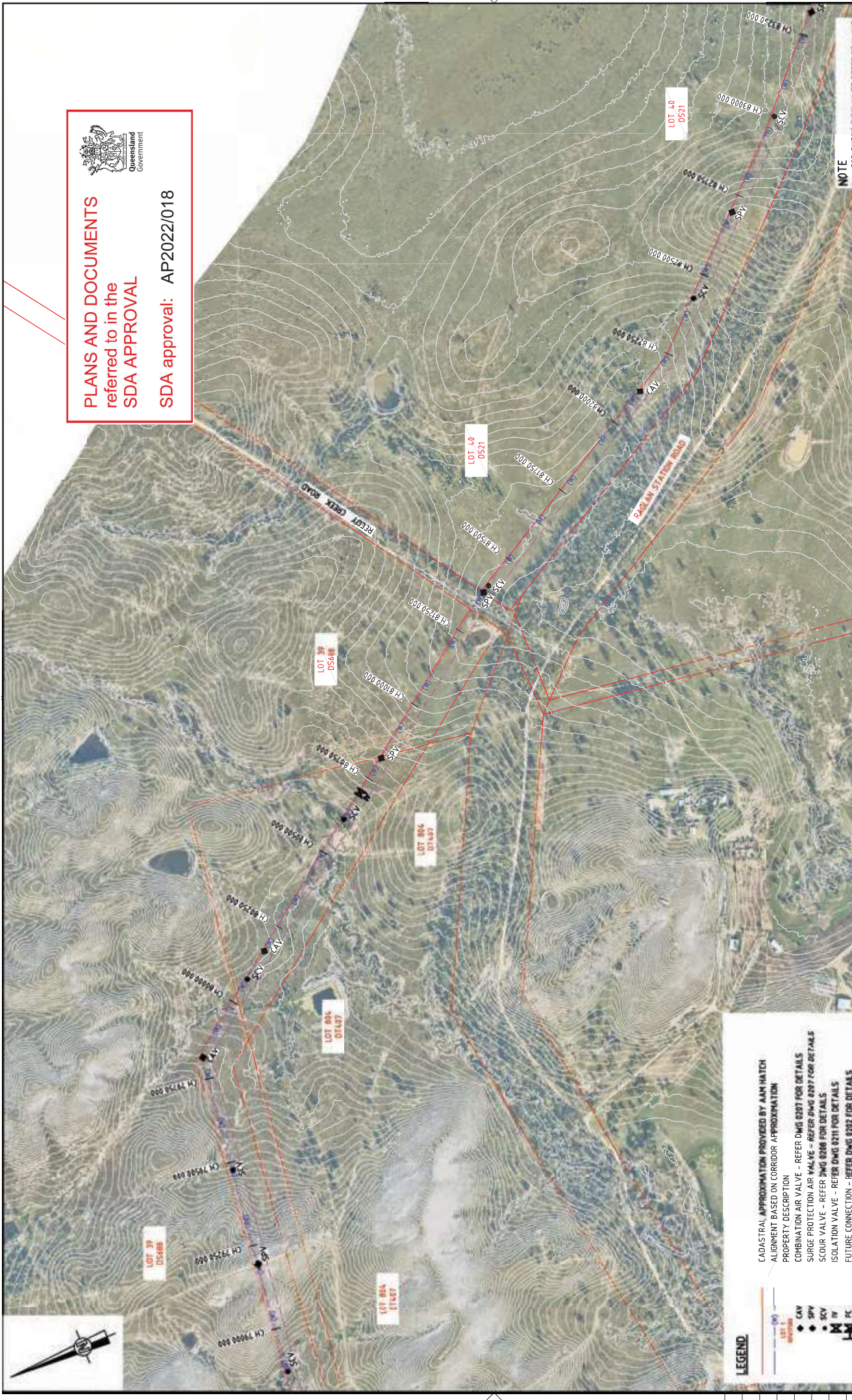
**RESUME**  
 SMEC  
 Level 6, 400 St Pauls Terrace  
 © ASH 17/05/05 4751149  
 SMEC PROJECT NO. 30032687

**NOT FOR CONSTRUCTION**



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



**LEGEND**

- CAV
- SPV
- SCV
- ISV
- IV
- FW
- FC

CAOASTRAL APPROXIMATION PROVIDED BY AAH HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**NOTE**  
FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE  
LAYOUT PLAN  
CH79500 TO CH83500  
SHEET 2

SCALE	1:5000	PHASE	CONCEPT DESIGN	PROJECT NUMBER	30032687-DWG-32000-G-0015	ISSUE	D
RESUR	SMEC Level 6, 400 St Pauls Terrace © ASH 17/05/19 SMEC PROJECT NO. 30032687		CLIENT Gladstone Area Water Board		PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE LAYOUT PLAN CH79500 TO CH83500 SHEET 2		
SCALE X	1:5000 (A1)	SCALE X	1:1000 (A3)	SCALE X	1:500 (A4)	PROJECT DATE 19/12/22	
NAME	SCHWITZER	NAME	C. BIRD	NAME	M. SERRANO LOPEZ	NAME	D. TAYLOR
TITLE	DRAFTER	TITLE	DRAFTING CHECK	TITLE	DESIGNER	TITLE	DESIGN CHECK
DATE	14/12/22	DATE	18/12/22	DATE	18/12/22	DATE	18/12/22
DESCRIPTION	30% CONCEPT DESIGN	DESCRIPTION	CONCEPT DESIGN SET PHASE	DESCRIPTION	OPTIMISED CONCEPT DESIGN	DESCRIPTION	UPDATED RIGHT OF WAY
WVR NO	016	WVR NO	016	WVR NO	037	WVR NO	037
APPROVAL	19/12/22	APPROVAL	19/12/22	APPROVAL	19/12/22	APPROVAL	19/12/22
PROJECT LOCATION	V:\_V\A\1\Projects\30032687A-GFP-DE\Project\110_CADD\CAD\DWG\0130_01_32000_RAGLAN_PUMP_STATION_TO_ALDOGA_PIPELINE\30032687-DWG-32000-G-0015.dwg						
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**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



ON HOLD  
ALIGNMENT PAST TURKEY  
NEST TO BE FINALISED

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE  
LAYOUT PLAN  
CH83500 TO CH87500  
SHEET 3

SCALE: 1:5000  
PHASE: CONCEPT DESIGN  
PROJECT NUMBER: 30032687-DWG-32000-G-0016

CLIENT: Gladstone Area Water Board

RESUME: **SMEC**  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 47 005 475 149  
SMEC PROJECT NO. 30032687



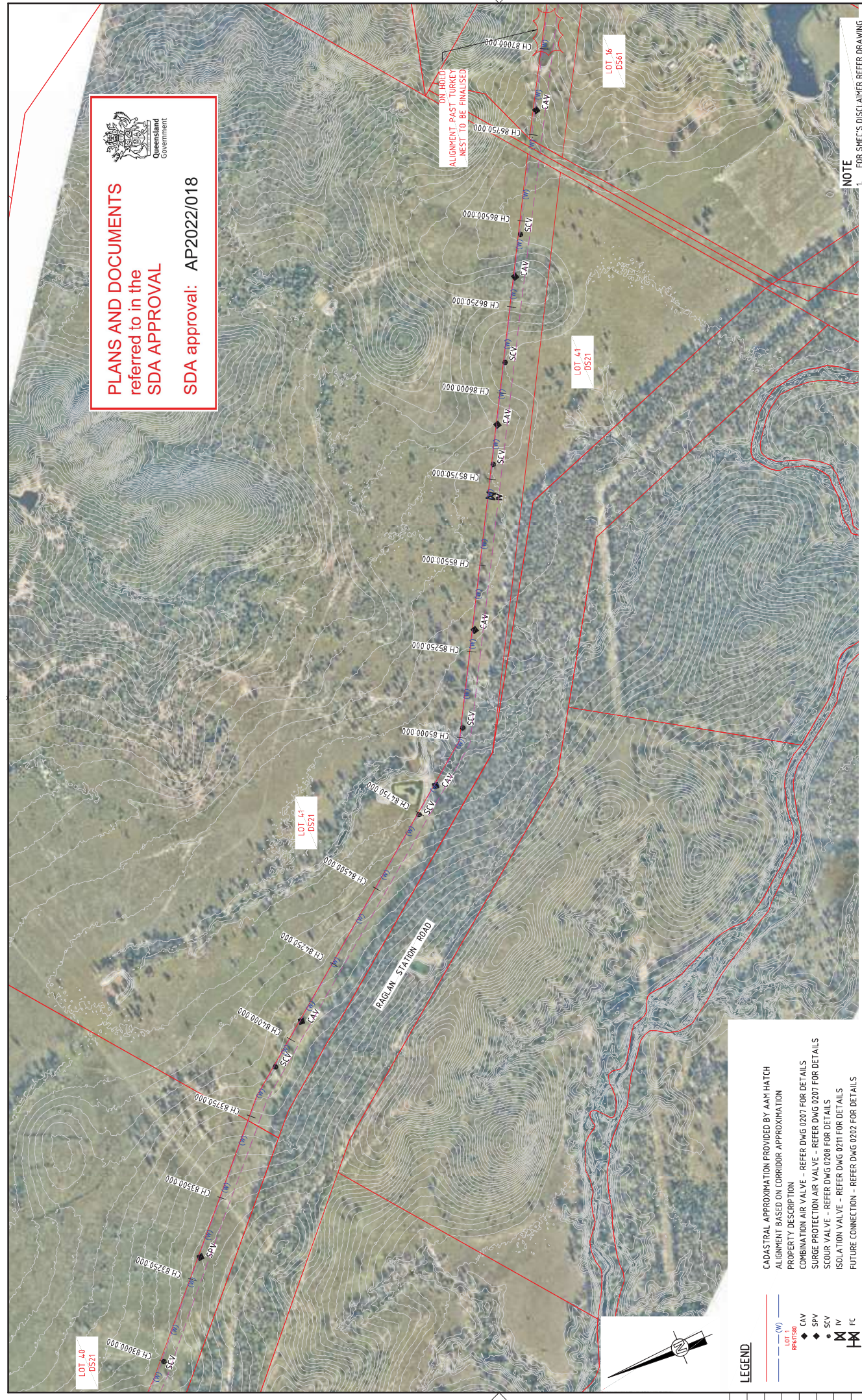
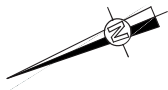
NAME	TITLE	DATE	TIME
SYDNEY/T/R	DRAFTER	19/05/22	19:35:50
C. BOW	DRAFTING CHECK		
M. SERRANO LOPEZ	DESIGNER		
J. WAGEMAN	DESIGN CHECK		
M. SERRANO LOPEZ	PROJECT MANAGER		
D. TAYLOR	PROJECT DIRECTOR		

REV	DATE	DESCRIPTION	APPROVAL	TIME
A	20/08/21	30% CONCEPT DESIGN		
B	14/11/22	CONCEPT DESIGN SET PHASE		
C	30/06/22	OPTIMISED CONCEPT DESIGN		
D	18/11/22	UPDATED RIGHT OF WAY		

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- (W) ---
- LOT 1
- RP6157580
- CAV
- SPV
- SCV
- IV
- FC

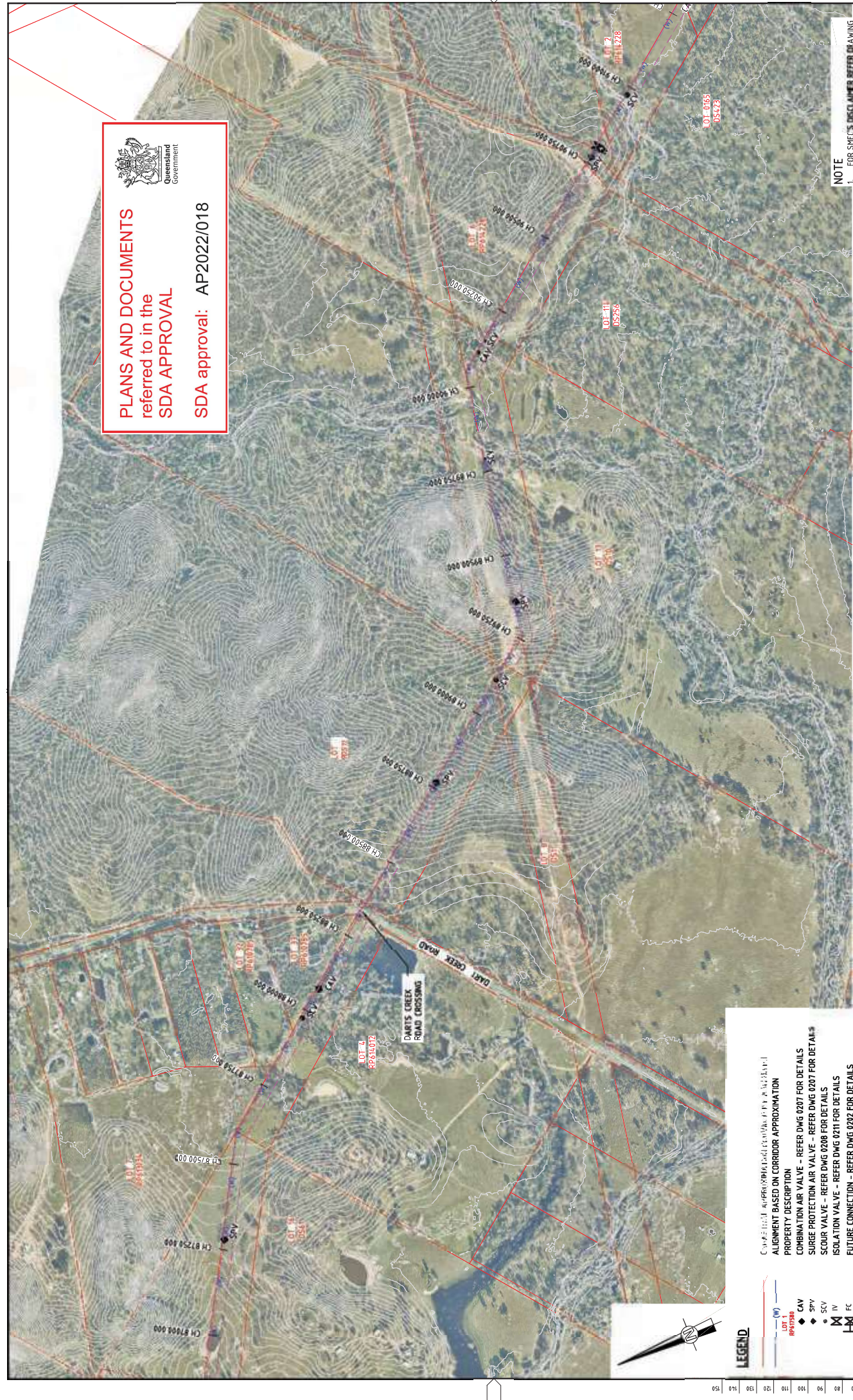


**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



Queensland  
Government



**NOTE**  
1. FOR SMEC'S DECLARED BUFFER DRAWING  
30032487-DWG-32000-G-0112

Complete alignment based on corridor approximation  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- (W) WATER
- LOT 11
- LOT 12
- LOT 13
- CAV
- SPV
- SCV
- IV
- FC

<p>SHAWING FILE LOCATION: NAME V:\_VIA\1\Projects\3003\30032487A-GFP-DE-Prop\1\100_CADD\CAD\DWG\0130_01_324200_RAGLAN_PUMP_STATION_TO_ALDOGA_PIPELINES\30032487-DWG-32000-G-0112.dwg 19/4/21</p>				
REV	DATE	APPROVAL	TITLE	THE
A	20/08/21	MSL	DRAFTER	19/4/21
B	14/11/22	MSL	DRAFTING CHECK	
C	30/06/22	MSL	DESIGNER	
D	18/11/22	MSL	DESIGN CHECK	
<p>EXTERNAL REFERENCE FILES X:\2024\CADD\LEGEND X:\2024\CADD\PROJ\3003\30032487A-GFP-DE-Prop\1\100_CADD\CAD\DWG\0130_01_324200_RAGLAN_PUMP_STATION_TO_ALDOGA_PIPELINES\30032487-DWG-32000-G-0112.dwg X:\2024\CADD\PROJ\3003\30032487A-GFP-DE-Prop\1\100_CADD\CAD\DWG\0130_01_324200_RAGLAN_PUMP_STATION_TO_ALDOGA_PIPELINES\30032487-DWG-32000-G-0112.dwg X:\2024\CADD\PROJ\3003\30032487A-GFP-DE-Prop\1\100_CADD\CAD\DWG\0130_01_324200_RAGLAN_PUMP_STATION_TO_ALDOGA_PIPELINES\30032487-DWG-32000-G-0112.dwg</p>				
<p>PROJECT MANAGER: M. SERRANO LOPEZ PROJECT DIRECTOR: D. TAYLOR</p>				
<p>DESIGNER: M. SERRANO LOPEZ DRAFTER: C. BROW</p>				
<p>NAME: SERRANO LOPEZ SCALE X: 1: 5000 (A1) 1: 10000 (A3)</p>				
<p>RESOURCES: SMEC LEVEL 6, 400 ST PAULS TERRACE © ASH 470 005 475 149 SMC PROJECT NO. 30032487</p>				
<p>CLIENT: Gladstone Area Water Board</p>				
<p>PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE LAYOUT PLAN CH87500 TO CH91500 SHEET 4</p>				
SCALE	1:5000			
PHASE	CONCEPT DESIGN			
PROJECT DRAWING NO.	30032487-DWG-32000-G-0017			
REVISION	D			

**NOT FOR CONSTRUCTION**



LEVEL 6, 400 ST PAULS TERRACE  
© ASH 470 005 475 149  
SMC PROJECT NO. 30032487

PROJECT TITLE	FITZROY TO GLADSTONE PIPELINE PROJECT
30CLA	RAGLAN PUMP STATION TO ALDOGA PIPELINE
LAYOUT PLAN	CH87500 TO CH91500
SHEET 4	

SCALE	1:5000
PHASE	CONCEPT DESIGN
PROJECT DRAWING NO.	30032487-DWG-32000-G-0017

PROJECT MANAGER: M. SERRANO LOPEZ  
PROJECT DIRECTOR: D. TAYLOR

DESIGNER: M. SERRANO LOPEZ  
DRAFTER: C. BROW

NAME: SERRANO LOPEZ  
SCALE X: 1: 5000 (A1)  
1: 10000 (A3)

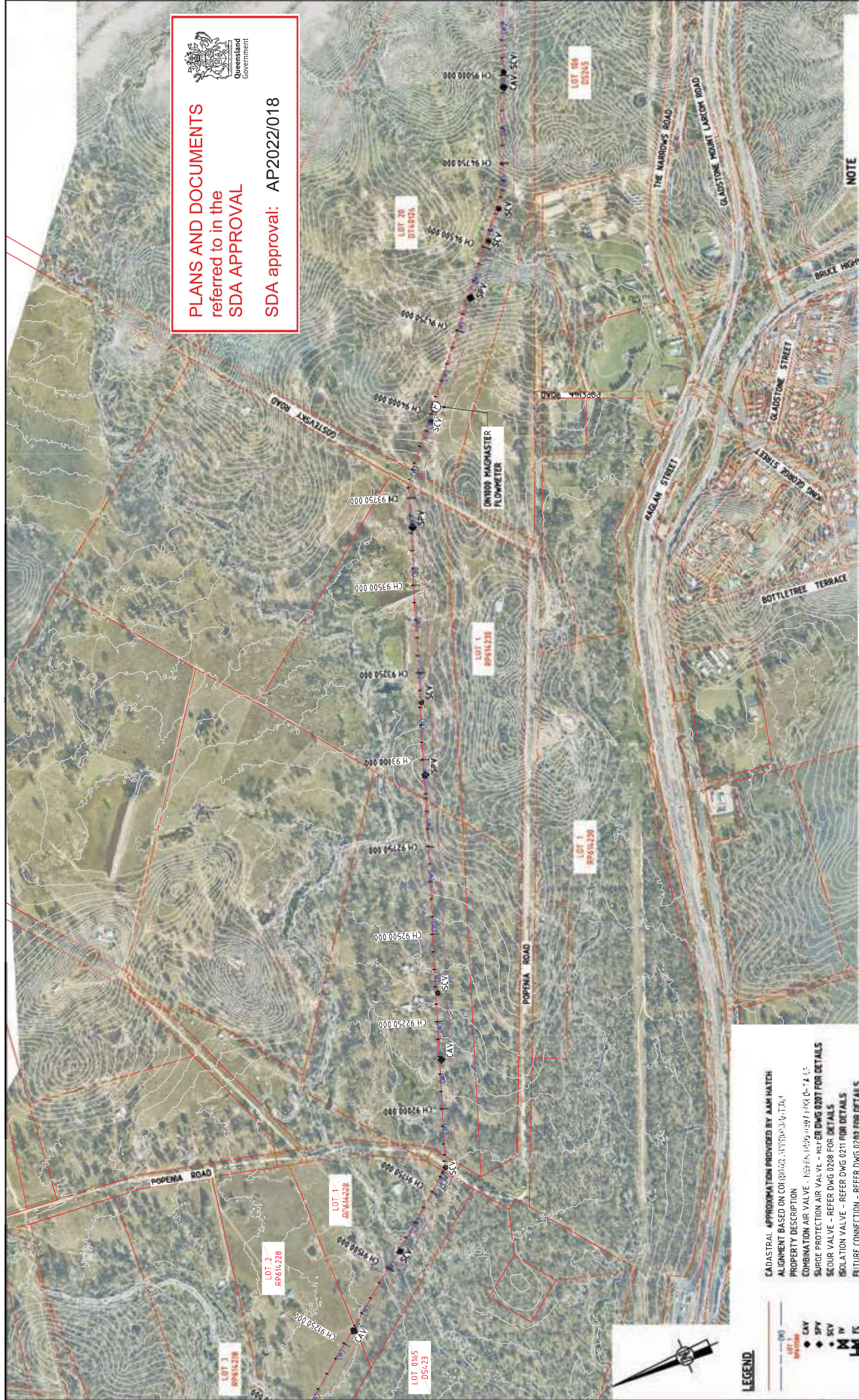
RESOURCES: SMEC  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 470 005 475 149  
SMC PROJECT NO. 30032487

CLIENT: Gladstone Area Water Board

PROJECT TITLE: FITZROY TO GLADSTONE PIPELINE PROJECT  
30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE  
LAYOUT PLAN  
CH87500 TO CH91500  
SHEET 4

PLANS AND DOCUMENTS referred to in the SDA APPROVAL

SDA approval: AP2022/018



NOTE  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**



RESUME	PROJECT NO	30032687
RESUME	PROJECT NO	30032687

SCALE X	1: 500 (A1)
SCALE X	1: 1000 (A3)
SCALE X	1: 5000 (A0)

PROF. DATE	THE
19.04.19	19.04.19

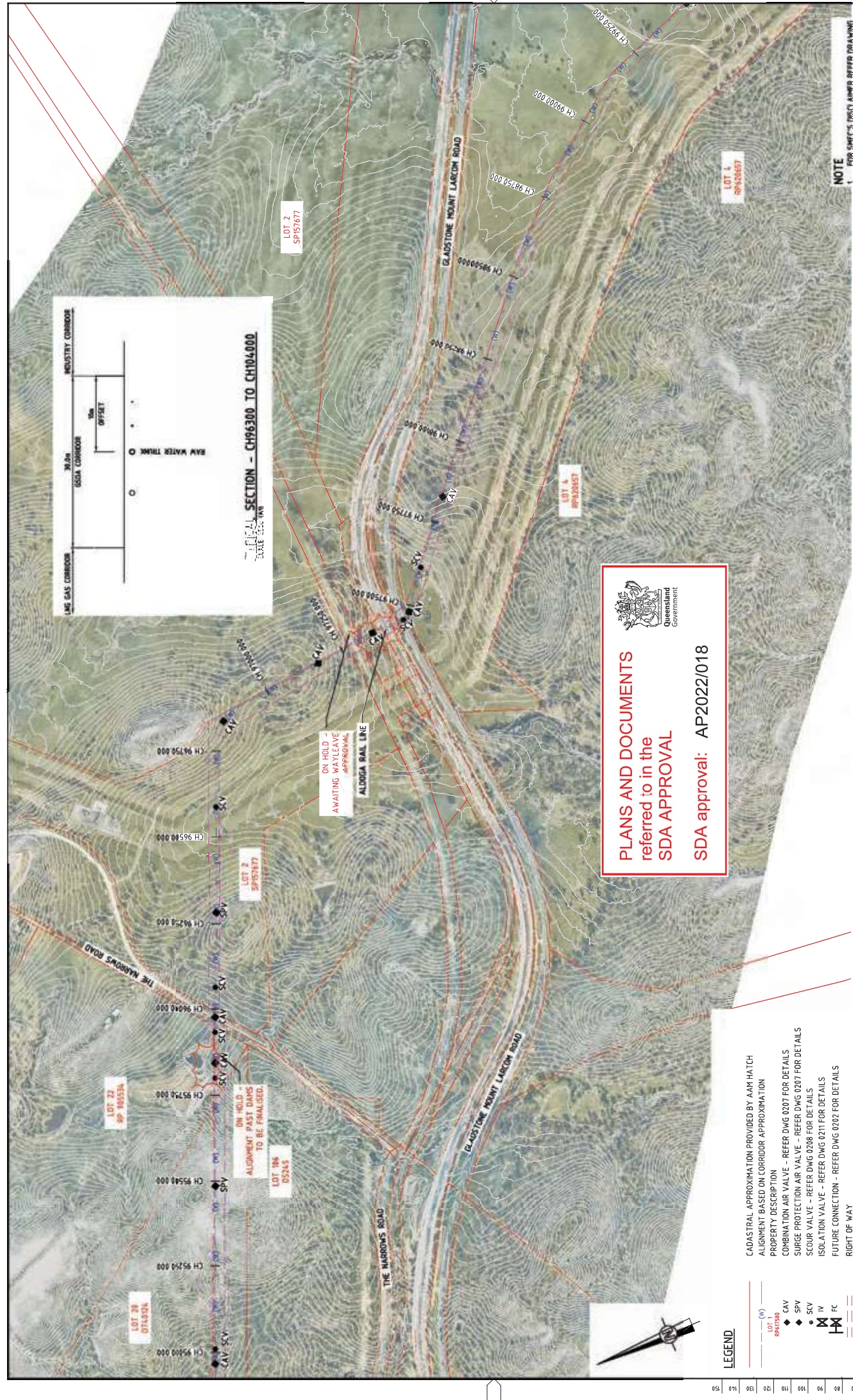
NO.	NAME	TITLE	DATE
001	SUZUKI/T/R	DRAFTER	19.04.19
002	C. BOW	DRAFTING CHECK	19.04.19
003	M. SERRANO LOPEZ	DESIGNER	19.04.19
004	J. WAGENAAR	DESIGN CHECK	19.04.19
005	M. SERRANO LOPEZ	PROJECT MANAGER	19.04.19
006	D. TAYLOR	PROJECT DIRECTOR	19.04.19

REV	DATE	DESCRIPTION
A	20.08.21	30% CONCEPT DESIGN
B	14.01.22	CONCEPT DESIGN SET PHASE
C	30.06.22	OPTIMISED CONCEPT DESIGN
D	18.11.22	UPDATED RIGHT OF WAY

LEGEND

- LOT 1
- LOT 2
- LOT 3
- LOT 20
- LOT 10A
- CAV
- SPV
- SKV
- IV
- IC

CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CONCEPT APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0208 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0209 FOR DETAILS  
RIGHT OF WAY



**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**

- CADASTRAL APPROXIMATION PROVIDED BY AAM HATCH  
ALIGNMENT BASED ON CORRIDOR APPROXIMATION  
PROPERTY DESCRIPTION  
COMBINATION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SURGE PROTECTION AIR VALVE - REFER DWG 0207 FOR DETAILS  
SCOUR VALVE - REFER DWG 0208 FOR DETAILS  
ISOLATION VALVE - REFER DWG 0211 FOR DETAILS  
FUTURE CONNECTION - REFER DWG 0202 FOR DETAILS  
RIGHT OF WAY

**LEGEND**

- LOT 1 (N)
- LOT 2 (N)
- CAV
- SPV
- SCV
- IV
- FC

REV	DATE	DESCRIPTION	APPVAL	TITLE	THE
A	20.08.21	30% CONCEPT DESIGN	MSL	DRAWN	20.07.16
B	14.11.22	CONCEPT DESIGN SET PHASE	MSL	DRAFTING CHECK	
C	30.06.22	OPTIMISED CONCEPT DESIGN	MSL	DESIGNER	
D	18.11.22	UPDATED RIGHT OF WAY	MSL	DESIGN CHECK	

NAME	ROLE
SYDNEY WILKINSON	PROJECT MANAGER
CHRISTOPHER WILKINSON	PROJECT DIRECTOR

SCALE	SCALE X
1:5000	1:1000 (A3)
1:5000	1:500 (A1)

PROJECT TITLE	PROJECT NO.
FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE LAYOUT PLAN CH95500 TO CH95522.718 SHEET 6	30032487-DWG-34200-C-0112

SCALE	SCALE X
1:5000	1:1000 (A3)
1:5000	1:500 (A1)

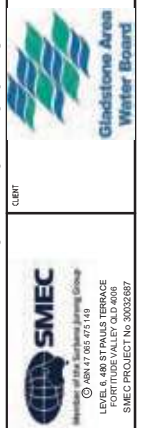
  

PROJECT TITLE	PROJECT NO.
FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDOGA PIPELINE LAYOUT PLAN CH95500 TO CH95522.718 SHEET 6	30032487-DWG-34200-C-0112

SCALE	SCALE X
1:5000	1:1000 (A3)
1:5000	1:500 (A1)

**NOT FOR CONSTRUCTION**



RESOURCES  
LEVEL 6, 400 ST PAULS TERRACE  
© ASH 17/05/19  
SMC PROJECT NO. 30032487

CLIENT  
Gladstone Area Water Board

PROJECT TITLE  
PROJECT NO.

SCALE  
SCALE X

PROJECT TITLE  
PROJECT NO.

**STANDARD PIPELINE NOTES:**

- SERVICES SHOWN ARE APPROXIMATE ONLY AND ARE THOSE RECEIVED FROM DBYD TO DATE (VALID FOR LIMITED PERIOD). EXACT LOCATION TO BE DETERMINED ON SITE.
- BOREHOLES SHOWN ARE APPROXIMATE ONLY AND ARE THOSE RECEIVED TO DATE. EXACT LOCATION TO BE DETERMINED ON SITE.
- MINIMUM PIPELINE COVER = 900mm (EXCEPT IN FLOOD PRONE AREAS)
- MINIMUM PIPELINE COVER IN FLOOD PRONE AREAS = 1200mm (CH 4100 TO CH 44300 & CH 49400 TO 75000)
- MAXIMUM PIPELINE COVER = 3500mm
- MINIMUM PIPELINE COVER UNDER ROADS = 900mm
- MINIMUM PIPELINE COVER UNDER CREEKS = 1200mm
- MAXIMUM DESIGN PRESSURE FOR PIPELINE = 210m

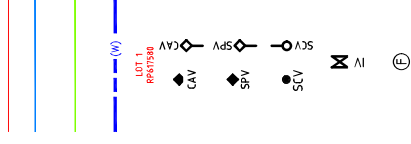
**STANDARD CROSSING NOTES:**

- REFER TO PIPELINE LONG PROFILE DRAWINGS FOR DETAILS OF PIPE AND FITTINGS
- ALL PIPE JOINTS TO BE WELDED WITHIN CONCRETE ENCASEMENT SECTION AND ENCASED PIPE
- CLASS AND DETAILS OF ENCASED PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR.
- REINFORCED CONCRETE ENCASED PIPE TO BE USED FOR RAIL CROSSINGS AND COMBINED ROAD & RAIL CROSSINGS.
- FOR ALL OTHER CROSSINGS, TYPE OF ENCASED PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR AND APPROVED BY PRINCIPAL CONTRACTOR.
- ENCASED PIPE TO BE INSTALLED BY THRUST BORING OR MICRO TUNNELLING METHOD.
- ENCASED PIPE TO EXTEND MIN 2m PAST TOE OF BATTER FOR ROAD/RAIL EMBANKMENT.
- ENCASED PIPE TO EXTEND MIN 2.0m PAST EDGE OF CREEK

**TRENCH TYPES FOR PIPELINE SECTIONS NOTES:**

- GROUND CONDITIONS BETWEEN 0 TO 1200 AND 90515 TO 1174.00 ARE ASSUMED FOR DESIGN PURPOSES
- ALL SOIL CLASSIFICATIONS ARE BASED ON PRELIM DMR BOREHOLE INVESTIGATIONS AND THEREFORE ARE SUBJECT TO CHANGE
- ACTUAL GROUND CLASSIFICATIONS & TRENCH TYPE TO BE DETERMINED ON-SITE BY EXPERIENCED GEOTECHNICAL ENGINEER

**LEGEND**



- CADASTRAL APPROXIMATION BASED ON ASSUMPTION FROM IMAGE INFORMATION
- STANWELL-GLADSTONE INFRASTRUCTURE CORRIDOR APPROXIMATION BASED ON CADASTRAL APPROXIMATION
- GLADSTONE STATE DEVELOPMENT AREA CORRIDOR APPROXIMATION BASED ON CADASTRAL APPROXIMATION
- PRELIMINARY ALIGNMENT BASED ON CORRIDOR APPROXIMATION
- PROPERTY DESCRIPTION
- COMBINATION AIR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0207 FOR DETAILS
- SURGE PROTECTION AIR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0207 FOR DETAILS
- SCOUR VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0208 FOR DETAILS
- ISOLATION VALVE (PLAN & L.S.) - REFER DWG 30032656-DWG-34000-C-0211 FOR DETAILS
- MAGMASTER FLOWMETER (PLAN) - REFER DWG 30032656-DWG-34000-C-0209 FOR DETAILS
- VERTICAL BEND WITH PIPE DEFLECTIONS
- VERTICAL PIPE DEFLECTIONS
- HORIZONTAL BEND WITH PIPE DEFLECTIONS
- HORIZONTAL PIPE DEFLECTIONS
- EXISTING OPTIC FIBRE CABLE
- EXISTING GAS SERVICE (ALINTA)
- EXISTING GAS SERVICE (APA GROUP)
- EXISTING ENERGY SERVICE
- EXISTING OVERHEAD ELECTRICITY SERVICE
- EXISTING TELSTRA SERVICE
- EXISTING SLURRY PIPE
- TEST PIT LOCATION (2008)
- BORE HOLE LOCATION (2008)
- TEST PIT LOCATION (2007)

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**

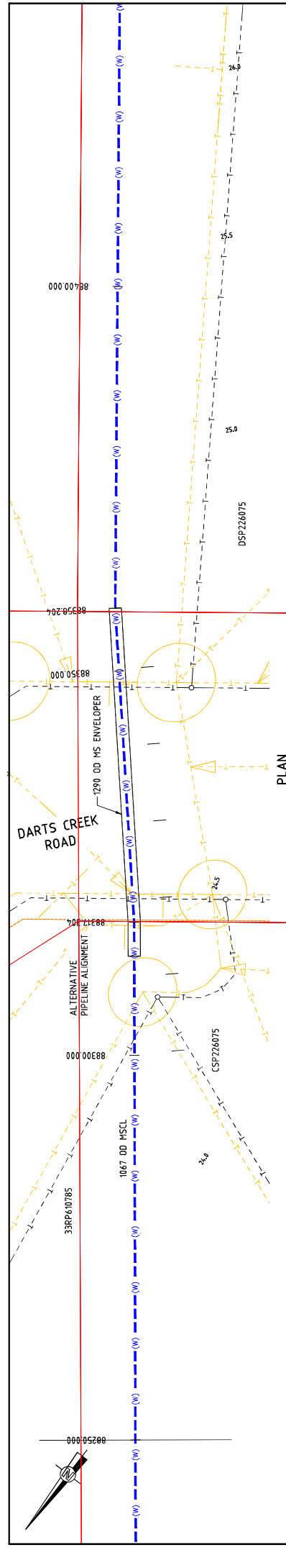


- NOTE**
- FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

				CLIENT FITZROY TO GLADSTONE PIPELINE PROJECT 30CLA - RAGLAN PUMP STATION TO ALDGA PIPELINE PLAN AND LONGITUDINAL SECTION GENERAL NOTES & LEGEND	
DESIGNER SCALES AT A1 SIZE DRAWING		NAME SIZENTHALER DRAFTER L. BROW		PROJECT TITLE 30CLA - RAGLAN PUMP STATION TO ALDGA PIPELINE PLAN AND LONGITUDINAL SECTION GENERAL NOTES & LEGEND	
DESIGNER M. SERRANO LOPEZ Member of the Subana Jurong Group Level 6, 400 St Paulus Terrace Level 6, 400 St Paulus Terrace SMEC PROJECT NO: 3002687		NAME M. SERRANO LOPEZ DESIGNER J. W. AGEHAAR PROJECT MANAGER D. TAYLOR PROJECT DIRECTOR		PROJECT NO 30032687-DWG-34200-G-0034 DRAWING NO D	
DATE 20/03/21 15% CONCEPT DESIGN		DATE 14/04/22 CONCEPT DESIGN SET PHASE		DATE 30/06/22 OPTIMISED CONCEPT DESIGN	
DATE 18/11/22 UPDATED RIGHT OF WAY		DATE 18/11/22 UPDATED RIGHT OF WAY		DATE 18/11/22 UPDATED RIGHT OF WAY	
DATE 18/11/22 UPDATED RIGHT OF WAY		DATE 18/11/22 UPDATED RIGHT OF WAY		DATE 18/11/22 UPDATED RIGHT OF WAY	

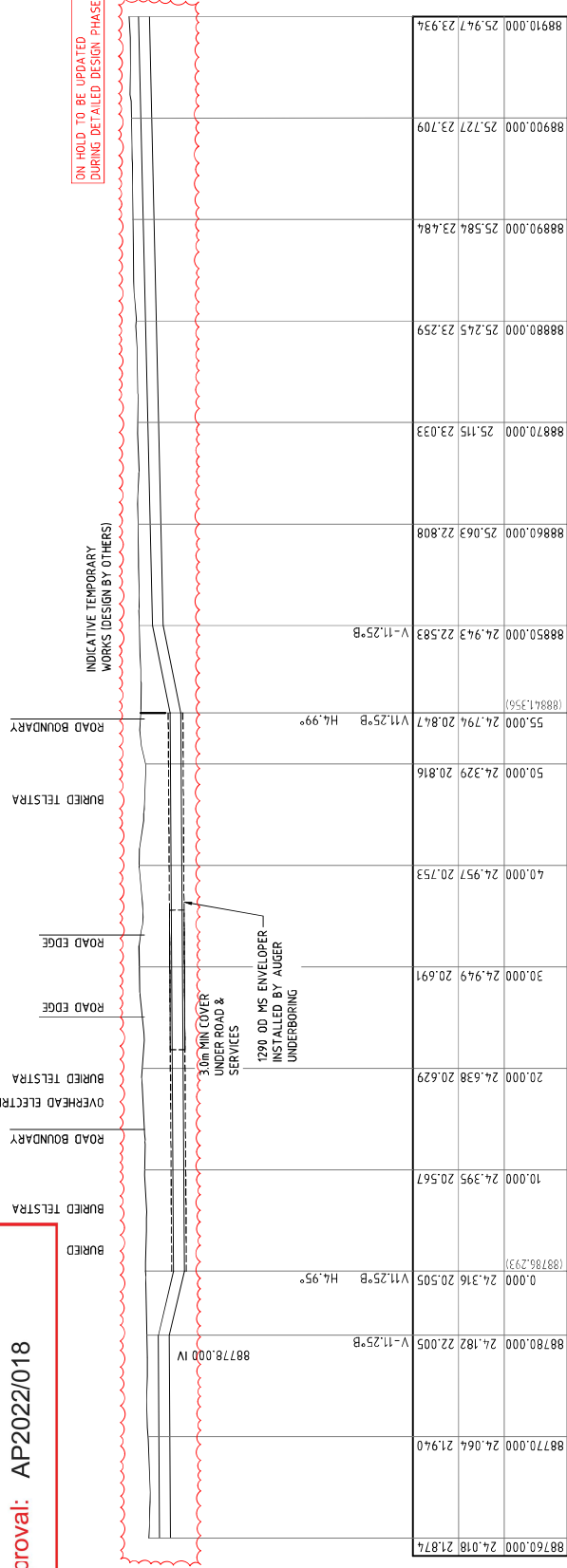




**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**

ON HOLD TO BE UPDATED  
DURING DETAILED DESIGN PHASE



**LONGITUDINAL SECTION**  
SCALE 1:250

DATUM R.L. -2.00  
PIPE INVERT  
SURFACE LEVEL  
CHAINAGE

88760.000	24.018	21.874	88770.000	24.064	21.940	88780.000	24.182	22.005	V-11.25'B	88778.000 IV
0.000	24.316	20.505	10.000	24.395	20.567	20.000	24.638	20.629	V-11.25'B H4.95°	(88786.293)
30.000	24.949	20.691	40.000	24.957	20.753	50.000	24.329	20.816		
55.000	24.794	20.847	88850.000	24.943	22.583	88860.000	25.063	22.808	V-11.25'B	(88841.356)
88870.000	25.115	23.033	88880.000	25.245	23.259	88890.000	25.584	23.484		
88900.000	25.727	23.709	88910.000	25.947	23.934					

**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

**SMC**  
Member of the Subana Jurong Group  
LEVEL 6, 400 ST PAULS TERRACE  
SINGAPORE 108435  
SMEC PROJECT NO: 30032687

**Gladstone Area Water Board**

<b>PROJECT TITLE</b>	FITZROY TO GLADSTONE PIPELINE PROJECT	<b>CLIENT</b>	Gladstone Area Water Board
<b>PROJECT NO</b>	30032687-DWG-32000-G-0112	<b>SCALE</b>	AS SHOWN
<b>PHASE</b>	CONCEPT DESIGN	<b>DATE</b>	21/05/22
<b>DESIGNER</b>	SMC	<b>DRAWN BY</b>	SUZUTHER
<b>CHECKED BY</b>	J. WAGEMAR	<b>DRAFTING CHECK</b>	D. J. P. WING
<b>PROJECT MANAGER</b>	M. SEPPELLO LOPEZ	<b>DESIGN CHECK</b>	B. BEALING
<b>PROJECT DIRECTOR</b>	D. TAYLOR	<b>MSL</b>	037
<b>DATE</b>	18/11/22	<b>DT</b>	035
<b>DATE</b>	20/09/22	<b>MSL</b>	036
<b>DATE</b>	14/04/22	<b>MSL</b>	034
<b>DATE</b>	09/08/21	<b>MSL</b>	033
<b>DATE</b>	18/08/21	<b>MSL</b>	032

**EXTERNAL REFERENCE FILES**

- 1. 30032687-DWG-32000-G-0112
- 2. 30032687-DWG-32000-G-0111
- 3. 30032687-DWG-32000-G-0110

**REVISIONS**

REV	DATE	AMENDMENT / REVISION DESCRIPTION
A	18/08/21	30% CONCEPT DESIGN
B	14/04/22	CONCEPT DESIGN SET PHASE
C	20/09/22	OPTIMISED CONCEPT DESIGN
D	18/11/22	UPDATED RIGHT OF WAY

**TRAINING LOCATION / NAME**  
V:\\_V\proj\proj\30032687-DWG-32000-G-0112\30032687-DWG-32000-G-0112.dwg

**EXTERNAL REFERENCE FILES**

**EXTERNAL REFERENCE FILES**

**EXTERNAL REFERENCE FILES**

**STANDARD NOTES:**

- ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.
- UNREINFORCED CONCRETE TO BE CLASS N20 AND REINFORCED CONCRETE TO BE CLASS N25 UNO. FOR AGGRESSIVE CONDITIONS USE SPECIAL GRADES OF CONCRETE AS DIRECTED ON DESIGN DRAWINGS.
- ALL TEMPORARY FENCING TO BE PROVIDED AS PER LANDOWNER REQUIREMENTS.
- PIPELINE PRESSURE RATINGS AS FOLLOWS:  
ALTON DOWNS TO RAGLAN = PN21  
ALDOGA TO MT MILLER = PN14
- MINIMUM PIPELINE COVER = 900mm (EXCEPT IN FLOOD PRONE AREAS)
- MINIMUM PIPELINE COVER IN FLOOD PRONE AREAS = 1000mm  
MAXIMUM PIPELINE COVER = 3500mm UNO.

**STANDARD PIPE TRENCH NOTES:**

- USE EMBEDMENT TYPES ONLY AS DIRECTED ON DESIGN DRAWINGS.
- LAY GEOTEXTILE FILTER FABRIC LAID AGAINST THE TRENCH FLOOR AND WALL SUCH THAT IT FULLY ENCASES OVER EXCAVATION.
- PROVIDE MIN 250mm LAP AT ALL FILTER FABRIC JOINTS.
- ALL DESIGN TO AS2266.1.
- TERMINATE 500 CLEAR OF EACH SIDE OF JOINT AND USE TYPE A TRENCH AT JOINT.

**ACCESS MANHOLE & TEE BRANCHES NOTES:**

- DEPTH OF MAIN MAY BE LOCALLY INCREASED TO ACHIEVE SPECIFIED COVER.
- TEE FABRICATION DETAILS IN ACCORDANCE WITH AS 1579.

**AIR VALVE NOTES:**

- DEPTH MAY BE LOCALLY INCREASED TO ACHIEVE SPECIFIC COVER.
- ISOLATION VALVE TO BE GATE VALVE TYPE. ISOLATING VALVE TO BE INSTALLED SUCH THAT THE AIR VALVE CAN BE REMOVED AND SERVICED WITH THE ISOLATION VALVE IN PLACE.
- FLANGED BRANCH DIAMETER TO MATCH AIR VALVE FLANGE DIAMETER. AS SHOWN IN DESIGN DRAWINGS.

**PIPE FITTINGS & BENDS - STEEL FABRICATION**

- NOTES:**
- SEE AS 1579 FOR ALTERNATIVE BEND DETAILS AND FABRICATION REQUIREMENTS.
  - ALL WELDING TO BE IN ACCORDANCE WITH AS/NZS 1544.1 CATEGORY SP.
  - FLANGE DRILLING TO COMPLY WITH AS 4087. ALL FLANGES SHALL BE RAISED FACED OR O-RING AS SPECIFIED ON DETAIL DRAWING. FULL FACE GASKETS TO BE USED WITH RAISED FACED FLANGES.
  - GASKETS AND O-RING TO COMPLY WITH SPECIFICATION.
  - PIPE TO BE IN ACCORDANCE WITH AS 1579 AND CEMENT LINING IN ACCORDANCE WITH AS 1281 TO SUIT DESIGN PRESSURES.
  - FITTINGS TO BE LINED OR COATED AS SPECIFIED INTERNALLY AND COATED WITH MEDIUM DENSITY PE TO AS 4321 OR PAINTED WITH HIGH BUILD EPOXY OR APPROVED EQUIVALENT.
  - FLANGE BOLTING DETAILS AS PER MANUFACTURERS RECOMMENDATIONS.
  - REINFORCING COLLARS REQUIRED FOR HIGH PRESSURE APPLICATIONS AS SPECIFIED.

**SCOUR CONNECTION & DISCHARGE NOTES:**

- OBTAIN DRAINAGE AUTHORITY APPROVAL FOR PUMP &/OR DISCHARGE POINT PRIOR TO CONSTRUCTION OF SCOUR.

**CONFINED SPACE NOTES:**

- WARNING SIGNAGE TO BE PROVIDED FOR ALL CONFINED SPACES IN ACCORDANCE WITH AS3519 - SAFETY SIGN FOR THE OCCUPATIONAL ENVIRONMENT.
- ALL CONSTRUCTION AND O & M WORKS IN ACCORDANCE WITH AS2865:2001 - SAFE WORKING IN A CONFINED SPACE.

**MARKER POSTS NOTES:**

- TYPE, LOCATION AND ORIENTATION OF MARKERS TO BE IN ACCORDANCE WITH GLADSTONE AREA WATER BOARD REQUIREMENTS.
- DISTANCE TO AND SIZE OF MAIN/FITTING TO BE AS SHOWN ON MARKER.
- LOCATE MARKERS AT RIGHT ANGLES TO THE MAIN WITH MARKINGS FACING TOWARDS THE VALVE OR HYDRANT
- METALLIC MARKER PLATES TO BE REFLECTIVE WHITE WITH NON-REFLECTIVE LETTERING. LETTERING COLOUR TO BE HOKEBUSH RED (R22). TO AS 2700. MARKER PLATE LETTERS TO BE 80 HIGH x 40 WIDE x 10 STROKE WIDTH AS.
- COLOURED MARKER DISKS TO BE INSTALLED FOR THE APPROPRIATE USAGE.
- WATERMAIN MARKER POSTS TO BE CONSTRUCTED AT PROPERTY BOUNDARIES AND AT ALL HORIZONTAL BENDS, ROAD RAIL AND CREEK CROSSINGS, AS WELL AS VALVE AND PETER LOCATIONS.

**GRADIENT TRENCH STOP NOTES:**

- PROVIDE TRENCH STOPS (IF REQUIRED) AT LOCATIONS SPECIFIED IN DESIGN DRAWINGS. LOCATE TRENCH STOPS AT SOCKET ENDS AS SHOWN ON DRAWINGS.
- GRADIENT TRENCH STOPS AND CONCRETE SURROUND TO BE LOCATED 500mm FROM SOCKET END OF PIPE. ALL BAGS TO BE SEALED TO PREVENT LOSS OF CONTAINED MATERIAL.
- FOR GRADES 5% TO 14% USE TRENCH STOPS. FOR GRADES 15% TO 29% USE BULKHEADS AND TRENCH STOPS.
- ABOVE REQUIREMENT APPLIES TO BOTH POSITIVE AND NEGATIVE SLOPES.
- FOR ALL PIPE JOINTS OTHER THAN WELDS CONCRETE SURROUND TO TERMINATE 500 CLEAR OF EACH SIDE OF PIPE JOINT AND USE TYPE A TRENCH AT PIPE JOINT.
- SEAL BAGS TO PREVENT LEAKAGE OF CONTAINED MATERIAL.

**BULKHEAD NOTES:**

- CONSTRUCT CONCRETE BULKHEADS (IF REQUIRED) AT LOCATIONS SPECIFIED IN DESIGN DRAWINGS. LOCATE BULKHEADS AT SOCKET ENDS AS SHOWN ON DRAWINGS.
- KEY CONCRETE BULKHEADS INTO SIDES AND BOTTOM OF TRENCH USING BRASS SURFACE BUSHES AND WEDGES.
- CONCRETE BULKHEADS TO BE 100% WELDED JOINTS AND TRENCH STOPS FOR SLOPES 130% USE WELDED JOINTS AND BULKHEADS. DO NOT DEFORM PIPES DURING PLACEMENT OF CONCRETE.
- PROVIDE A CONTINUOUS DRAINAGE PATH THROUGH BULKHEADS
- COMPRESSIBLE MEMBRANE AROUND PIPE TO BE 3 THICK RUBBER FOR BULKHEADS ON SLOPES

**FENCING NOTES:**

- ALL TEMPORARY AND PERMANENT FENCING IN ACCORDANCE WITH DMR-1601 UNLESS OTHERWISE NOTED.

**STANDARD CROSSING NOTES:**

- REFER TO PIPELINE LONG PROFILE DRAWINGS FOR DETAILS OF PIPE AND FITTINGS
- ALL PIPE JOINTS TO BE WELDED WITHIN CONCRETE ENCASEMENT SECTION AND ENCASEING PIPE
- CLASS AND DETAILS OF ENCASEING PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR.
- REINFORCED CONCRETE ENCASEING PIPE TO BE USED FOR RAIL CROSSINGS AND COMBINED ROAD & RAIL CROSSINGS.
- FOR ALL OTHER CROSSINGS, TYPE OF ENCASEING PIPE TO BE DETERMINED BY SPECIALIST DRILLING CONTRACTOR AND APPROVED BY PRINCIPAL CONTRACTOR.
- ENCASEING PIPE TO BE INSTALLED BY THRUST BORING OR MICRO TUNNELING METHOD.
- ENCASEING PIPE TO EXTEND MIN 2m PAST TOE OF BATTER FOR ROAD/RAIL EMBANKMENT. MIN 20m PAST EDGE OF CREEK
- ENCASEING PIPE TO BE EXTERNAL PIPE PROTECTION AT WELDED JOINTS IS NOT REQUIRED FOR CONCRETE ENCASED PIPE.

**VALVE AND FITTING NOTES:**

- ALL VALVES AND FITTINGS TO BE PN21 RATED FOR ALTON DOWNS TO ALDOGA UNO.
- ALL VALVES AND FITTINGS TO BE PN16 FROM ALDOGA TO MT MILLER.

**WELDED JOINTS:**

- WELDED JOINTS SHALL BE EITHER BALL AND SOCKET TYPE OR COLLAR WELDS.
- AFTER WELDING AND TESTING OF JOINT, INTERNAL CEMENT MORTAR LINING SHALL BE POINTED AS PER MANUFACTURERS RECOMMENDATIONS.
- THE JOINTS SHALL BE COATED EXTERNALLY WITH A HEAT SHRINK SLEEVE \ WRAP AS SPECIFIED.

**BURIED FLANGE JOINTS:**

- ALL BURIED FLANGE JOINTS SHALL BE DENS0 WRAPPED AS SPECIFIED.
- ALL NUTS, BOLTS & WASHERS SHALL BE GRADE 8.8 GALVANISED STEEL.

**FLANGE JOINTS IN PITS:**

- ALL NUTS, BOLTS & WASHERS SHALL BE GRADE 316 S.S. AS SPECIFIED

**CATHODIC PROTECTION & INDUCED CURRENT NOTES:**

- CATHODIC PROTECTION LOOPS AND LUGS TO BE PROVIDED FOR ALL BR3 PIPES.
- CATHODIC PROTECTION TO BE PROVIDED AS SPECIFIED ON DESIGN DRAWINGS.
- CURRENTS AS SPECIFIED ON DESIGN DRAWINGS.

**BLASTING NOTES:**

- ALL BLASTING IN ACCORDANCE WITH AS 2187 AND STATUTORY REQUIREMENTS.
- ALL AFFECTED UTILITIES & STAKEHOLDERS TO BE CONSULTED FOR APPROVAL IN ADVANCE OF WORKS.

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

**SDA approval: AP2022/018**



**NOTE**  
1. FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

**NOT FOR CONSTRUCTION**

PROJECT TITLE	GLADSTONE - FITZROY PIPELINE PROJECT 30GLA - PIPELINE STANDARD DRAWINGS TYPICAL DETAILS GENERAL NOTES
SCALE	N.T.S.
PROJECT NUMBER	30032687-DWG-34000-C-0200



DESIGNER	<b>SMEC</b> Member of the Suringbah Jointly Group © ASN #7 086 751 149 LEVEL 6, 480 ST PAULS TERRACE FORTITUDE VALLEY QLD 4008 SMEC PROJECT NO: 30032687
CURT	

DATE	12/06/24
SCALE AT ISSUE DRAWING	

NAME	<i>SUCHITHR</i>
DRAFTER	<i>J. HAYDIN</i>
DRAFTING CHECK	<i>M. SERANO LOPEZ</i>
DESIGNER	<i>M. SERANO LOPEZ</i>
DESIGN CHECK	<i>J. WAGEMAR</i>
PROJECT MANAGER	<i>M. SERANO LOPEZ</i>
PROJECT DIRECTOR	<i>A. ZANETTI</i>

REV	DATE	AMENDMENT / REVISION DESCRIPTION
A	20/02/21	30% CONCEPT DESIGN
B	06/06/22	50% DESIGN DEVELOPMENT
C	21/05/22	OFFSHORE CONCEPT DESIGN

REV	DATE	AMENDMENT / REVISION DESCRIPTION
006		
006		
006		

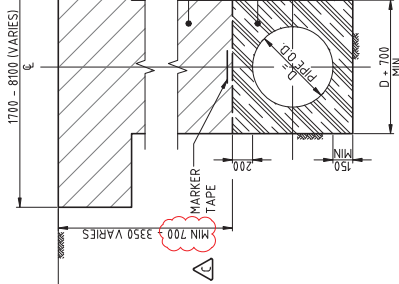
REV	DATE	AMENDMENT / REVISION DESCRIPTION
006		
006		
006		

REV	DATE	AMENDMENT / REVISION DESCRIPTION
006		
006		
006		

REV	DATE	AMENDMENT / REVISION DESCRIPTION
006		
006		
006		

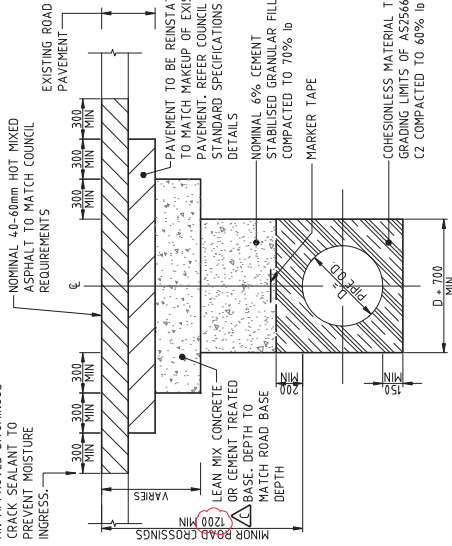
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REV	DATE	AMENDMENT / REVISION DESCRIPTION
006		
006		
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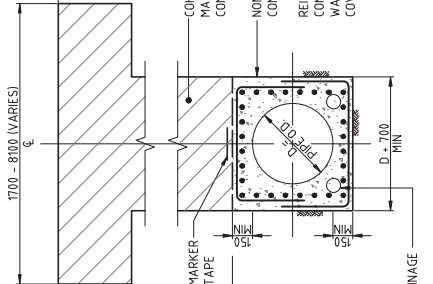


**TYPICAL PIPE TRENCH SECTION**  
**TYPE A - STANDARD (>750 COVER)**  
**TYPE B - FLOOD PRONE AREAS (>1100 COVER)**

STRAIGHT VERTICAL SAW CUTS. SEAL JOINTS WITH AN APPROVED BITUMINOUS CRACK SEALANT TO PREVENT MOISTURE INGRESS.

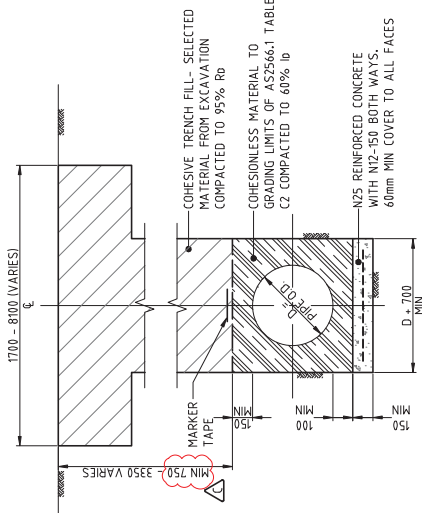


**TYPICAL PIPE TRENCH SECTION**  
**TYPE D - MINOR SEALED ROAD CROSSING AT (2000 MINIMUM)**  
**COVER NOTE: FOR OPEN CUT METHOD ONLY**



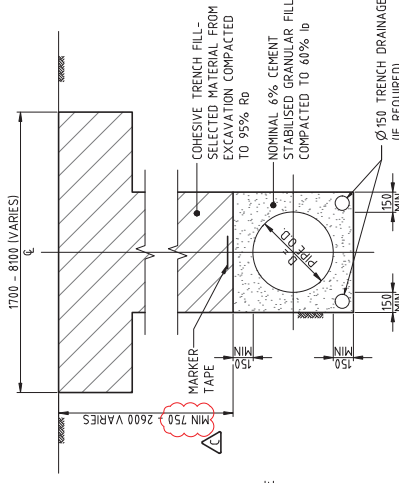
**TYPICAL PIPE TRENCH SECTION**  
**TYPE C - NON REINFORCED**  
**TYPE H - REINFORCED**

COHESIVE TRENCH FILL - SELECTED MATERIAL FROM EXCAVATION COMPACTED TO 95% Rb  
 NON-REINFORCED - N20 MASS CONCRETE ENCASUREMENT OR REINFORCED - N32 REINFORCED CONCRETE WITH N2-150 BOTH WAYS - ALL FACES. 60mm MIN COVER TO ALL FACES.



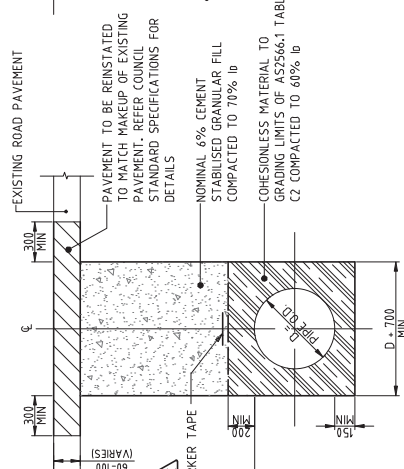
**TYPICAL PIPE TRENCH SECTION**  
**TYPE G - POOR INADEQUATE FOUNDATION REQUIRING OVER-EXCAVATION**

COHESIVE TRENCH FILL - SELECTED MATERIAL FROM EXCAVATION COMPACTED TO 95% Rb  
 COHESIONLESS MATERIAL TO GRADING LIMITS OF AS2566.1 TABLE C2 COMPACTED TO 60% Rb  
 N25 REINFORCED CONCRETE WITH N2-150 BOTH WAYS. 60mm MIN COVER TO ALL FACES.



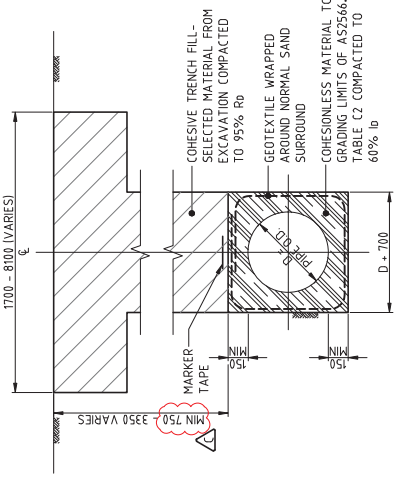
**TYPICAL PIPE TRENCH SECTION**  
**TYPE L - CEMENT STABILISED FILL SYSTEM INADEQUATE TRENCH WALL STIFFNESS**

COHESIVE TRENCH FILL - SELECTED MATERIAL FROM EXCAVATION COMPACTED TO 95% Rb  
 NOMINAL 6% CEMENT STABILISED GRANULAR FILL COMPACTED TO 60% Rb  
 Ø150 TRENCH DRAINAGE (IF REQUIRED)



**TYPICAL PIPE TRENCH SECTION**  
**TYPE E - POOR FOUNDATION REQUIRING OVER-EXCAVATION**

COHESIVE TRENCH FILL - SELECTED MATERIAL FROM EXCAVATION COMPACTED TO 95% Rb  
 GEOTEXTILE WRAPPED AROUND SAND AND AGGREGATE WITH BOUNDARY LAYER IN BETWEEN  
 NOMINAL 6% CEMENT STABILISED GRANULAR FILL COMPACTED TO 60% Rb  
 20 NOM SINGLE SIZE COARSE AGGREGATE



**TYPICAL PIPE TRENCH SECTION**  
**TYPE M - GEOTEXTILE SURROUND SYSTEM GROUNDWATER SEEPAGE CONDITIONS**

COHESIVE TRENCH FILL - SELECTED MATERIAL FROM EXCAVATION COMPACTED TO 95% Rb  
 GEOTEXTILE WRAPPED AROUND NORMAL SAND SURROUND  
 COHESIONLESS MATERIAL TO GRADING LIMITS OF AS2566.1 TABLE C2 COMPACTED TO 60% Rb



**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**  
 SDA approval: AP2022/018

**LEGEND**  
 Rb = DRY DENSITY RATIO AS2566.5.4.1 (COHESIVE MATE)  
 Ib = DENSITY INDEX AS2566.6.1 (COHESIONLESS MATE)

**NOTES:**  
 1. FOR STANDARD NOTES REFER DRAWING 30032687-DWG-24000-C-0200.  
 2. FOR SHEETS DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0172.

REV	DATE	AMENDMENT / REVISION DESCRIPTION	BY	CHKD	APP'D	TITLE	DATE
A	20/02/21	30% CONCEPT DESIGN					16/02/28
B	21/05/21	60% CONCEPT DESIGN					
C	21/05/21	OFFPAPER CONCEPT DESIGN					

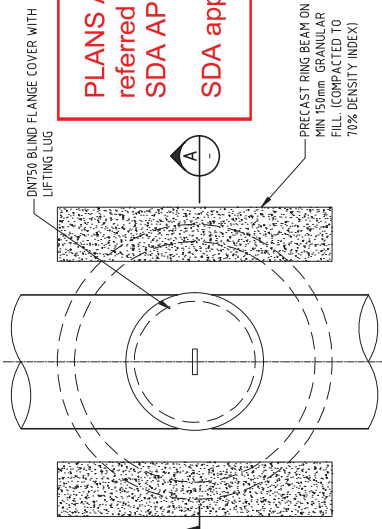
SCALE AT ASSESS DRAWING	DESIGNER	CURT
0 200 400 600 800 1000mm 1:20 (A3) 1:40 (A4)	SMC Member of the Surabaya Jointing Group LEVEL 6, 480 ST PALLAS TERRACE FORTITUDE VALLEY QLD 4008 SMC PROJECT NO: 30032687	GLADSTONE Water Board

PROJECT TITLE	PROJECT NO.	SCALE	PHASE	CONCEPT DESIGN	PROJECT NO.
GLADSTONE - FITZROY PIPELINE PROJECT 30GLA - PIPELINE STANDARD DRAWINGS TYPICAL DETAILS PIPE TRENCHES & EMBEDMENT	30032687-DWG-34000-C-0201	1:20	CONCEPT DESIGN		30032687-DWG-34000-C-0201

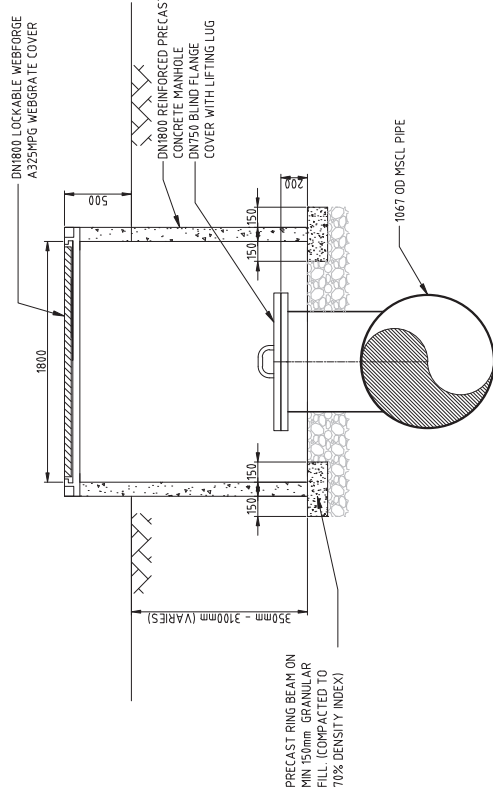
NOTES:  
FOR STANDARD NOTES REFER DRAWING  
30032656-DWG-24000-C-0200

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018



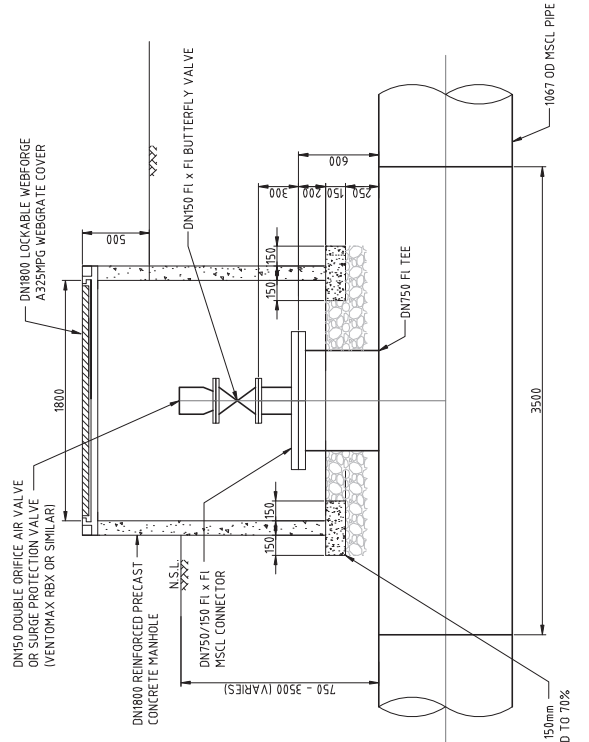
PLAN UNDER COVER SLAB



SECTION A

ACCESS MANHOLE

CHAINAGE	DESCRIPTION	STRUCTURE
285.000	11.25 & 22.5 deg bends	New Access Manhole
64250.000	4.5 deg bend	New Access Manhole
73817.000	22.5 deg bend	New Access Manhole
101296.000	22.5 deg bend	New Access Manhole



COMBINED AIR/SURGE PROTECTION VALVE & ACCESS MANHOLE DETAIL

CHAINAGE	DESCRIPTION	STRUCTURE	CHAINAGE	DESCRIPTION	STRUCTURE
8000.000	11.25 deg bend	Combined CAV/AM	66425.000	22.5 deg bend	Combined SPV/AM
16767.000	11.25 deg bend	Combined SPV/AM	68915.000	11.25 deg bend	Combined CAV/AM
190399.000	11.25 deg bend	Combined CAV/AM	72361.000	4.5 deg bend	Combined SPV/AM
29185.000	22.5 deg bend	Combined CAV/AM	72442.000	4.5 deg bend	Combined SPV/AM
29256.000	11.25 deg bend	Combined CAV/AM	73483.000	4.5 deg bend	Combined SPV/AM
40712.000	11.25 deg bend	Combined SPV/AM	73576.000	4.5 deg bend	Combined SPV/AM
45270.000	11.25 deg bend	Combined SPV/AM	110664.000	22.5 deg bend	Combined SPV/AM
46403.000	11.25 deg bend	Combined CAV/AM	110772.000	22.5 deg bend	Combined SPV/AM
46923.000	11.25 deg bend	Combined CAV/AM	11235.000	22.5 deg bend	Combined CAV/AM
56827.000	4.5 deg bend	Combined CAV/AM	112906.000	11.25 deg bend	Combined SPV/AM
56937.000	4.5 deg bend	Combined CAV/AM	113720.000	11.25 deg bend	Combined SPV/AM
65084.000	11.25 deg bend	Combined CAV/AM			
65598.000	11.25 deg bend	Combined CAV/AM			
65654.000	11.25 deg bend	Combined CAV/AM			

NOTE  
1. FOR SMEC'S DISCLAIMER REFER DRAWING  
30032687-DWG-32000-G-0112

**NOT FOR CONSTRUCTION**

DRAWING FILE LOCATION NAME V:\_New\Projects\30032687-GEP-DE-Project\110_CADD\CD\DWG\030_GLS\30032687-TYPICAL & STANDARD DETAILS\30032687-DWG-34000-C-0200.dwg 16 Jun 2022 16:58:18		PROJECT TITLE GLADSTONE - FITZROY PIPELINE PROJECT 30GLA - PIPELINE STANDARD DRAWINGS TYPICAL DETAILS ACCESS MANHOLE		
REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	TITLE
A	20/02/21	30% CONCEPT DESIGN	MSL	
B	14/02/22	CONCEPT DESIGN-ECO PHASE	006	
DESIGNER REFERENCE FILES				
DRAWING FILE LOCATION NAME				
V:\_New\Projects\30032687-GEP-DE-Project\110_CADD\CD\DWG\030_GLS\30032687-TYPICAL & STANDARD DETAILS\30032687-DWG-34000-C-0200.dwg 16 Jun 2022 16:58:18				
DESIGNER		DESIGNER		DESIGNER
SMEC		SMEC		SMEC
Member of the Suringb Jurong Group		Member of the Suringb Jurong Group		Member of the Suringb Jurong Group
LEVEL 6, 480 ST PALLS TERRACE		LEVEL 6, 480 ST PALLS TERRACE		LEVEL 6, 480 ST PALLS TERRACE
FORTITUDE VALLEY QLD 4008		FORTITUDE VALLEY QLD 4008		FORTITUDE VALLEY QLD 4008
SMEC PROJECT NO: 30032687		SMEC PROJECT NO: 30032687		SMEC PROJECT NO: 30032687
SCALE		SCALE		SCALE
1:20 (A3)		1:20 (A3)		1:20 (A3)
1:20 (A4)		1:20 (A4)		1:20 (A4)
0 200 400 600 800 1000mm		0 200 400 600 800 1000mm		0 200 400 600 800 1000mm
DESIGNER		DESIGNER		DESIGNER
SUCIWIYER		SUCIWIYER		SUCIWIYER
DRAFTER		DRAFTER		DRAFTER
J.HARYADI		J.HARYADI		J.HARYADI
DESIGNER		DESIGNER		DESIGNER
M.SERRANO LOPEZ		M.SERRANO LOPEZ		M.SERRANO LOPEZ
DESIGN CHECK		DESIGN CHECK		DESIGN CHECK
J.WAGEMAR		J.WAGEMAR		J.WAGEMAR
PROJECT MANAGER		PROJECT MANAGER		PROJECT MANAGER
M.SERRANO LOPEZ		M.SERRANO LOPEZ		M.SERRANO LOPEZ
PROJECT DIRECTOR		PROJECT DIRECTOR		PROJECT DIRECTOR
A.ZANETTI		A.ZANETTI		A.ZANETTI



DESIGNER

SCALE

DESIGNER

PROJECT MANAGER

PROJECT DIRECTOR

PROJECT TITLE

SCALE

CONCEPT DESIGN

30032687-DWG-34000-C-0200

B

**NOTES:**  
 1. FOR STANDARD NOTES REFER DRAWING 30032656-DWG-34000-C-0200  
 2. GROUND LEVEL AND INVERT LEVEL TO BE DOCUMENTED WITH UPDATED SURVEY DURING NEXT STAGE OF THE DESIGN  
 3. FOR SHEET'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-0172.

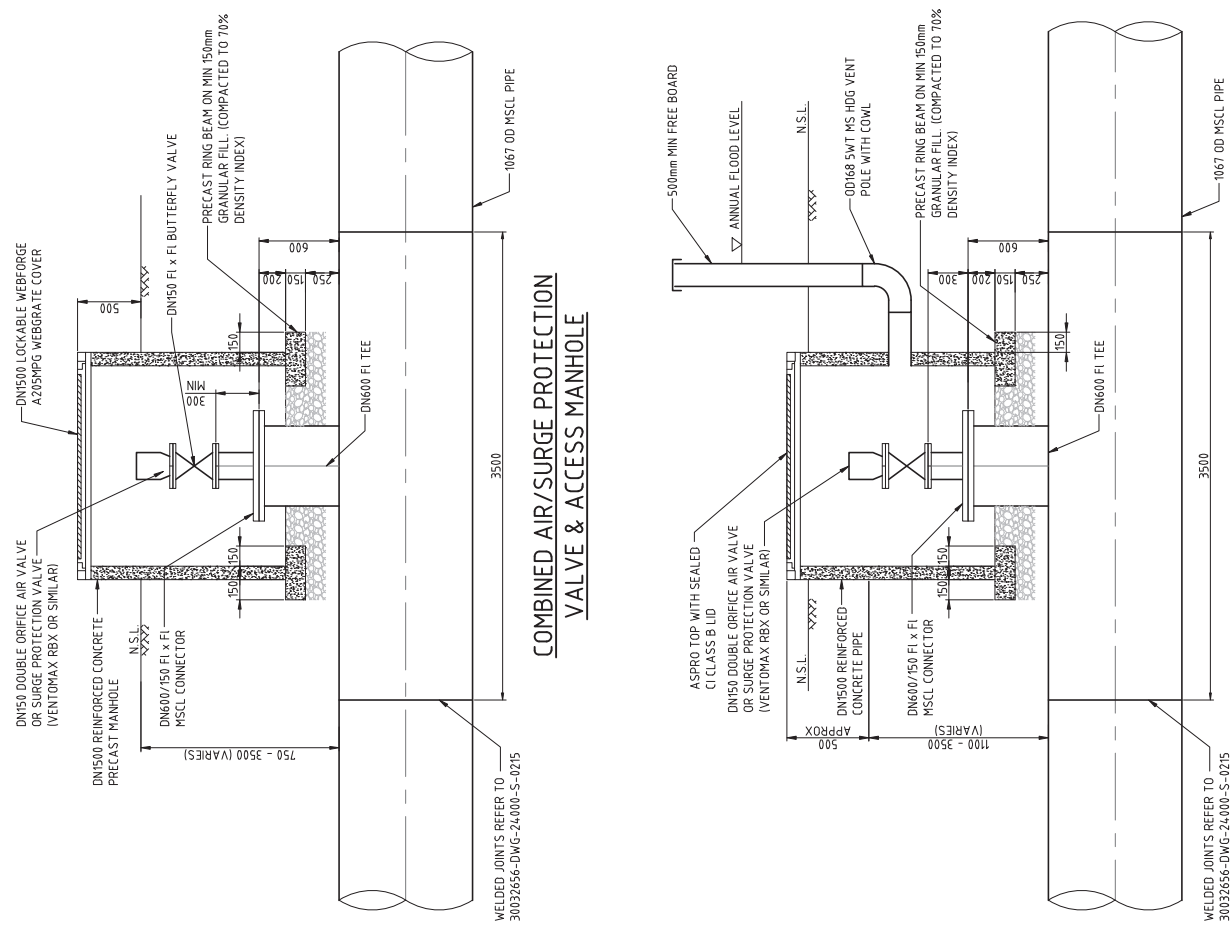
**ASSUMPTIONS**  
 1. DEPTH MEASURED FROM GROUND LEVEL TO INVERT OF CHAMBER BASE  
 2. DENSITY OF INSITU/BACKFILL MATERIAL = 18 KN/M<sup>3</sup>

**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
 SDA approval: AP2022/018



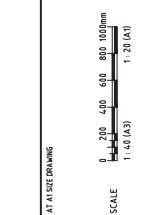
CHAMBER	STRUCTURE	FLOOD LEVEL
8000	Air Valve	11.90
8817	Air Valve	11.88
43768	Air Valve	7.8
9615	Air Valve	11.84
10371	Air Valve	11.68
10809	Air Valve	11.58
11490	Air Valve	11.44
11706	Air Valve	11.39
12120	Air Valve	11.31
14401	Air Valve	10.88
14458	Air Valve	10.77
15400	Air Valve	10.61
15750	Air Valve	10.53
16525	Air Valve	10.37
17100	Air Valve	10.25
17825	Air Valve	10.09
18670	Air Valve	9.92
18845	Air Valve	9.88
19399	Air Valve	9.76
19630	Air Valve	9.71
20200	Air Valve	9.59
20620	Air Valve	9.50
21425	Air Valve	9.33
22018	Air Valve	9.20
22238	Air Valve	9.15
23300	Air Valve	8.93
23960	Air Valve	8.79
24428	Air Valve	8.69
25026	Air Valve	8.56
25611	Air Valve	8.44
27850	Air Valve	8.12
29185	Air Valve	7.96
29255	Air Valve	7.68
29956	Air Valve	7.66
30448	Air Valve	7.54
31700	Air Valve	7.41
32000	Air Valve	7.25
32500	Air Valve	7.08
33035	Air Valve	6.97
33835	Air Valve	6.86
33980	Air Valve	6.66
35200	Air Valve	6.40
35860	Air Valve	6.26
36408	Air Valve	6.14
37200	Air Valve	5.97
37962	Air Valve	5.81
38400	Air Valve	5.81
39200	Air Valve	7.8
40000	Air Valve	7.8
41264	Air Valve	7.8
41850	Air Valve	7.8

**SCHEDULE OF AIR VALVES IN FLOOD PRONE AREAS**



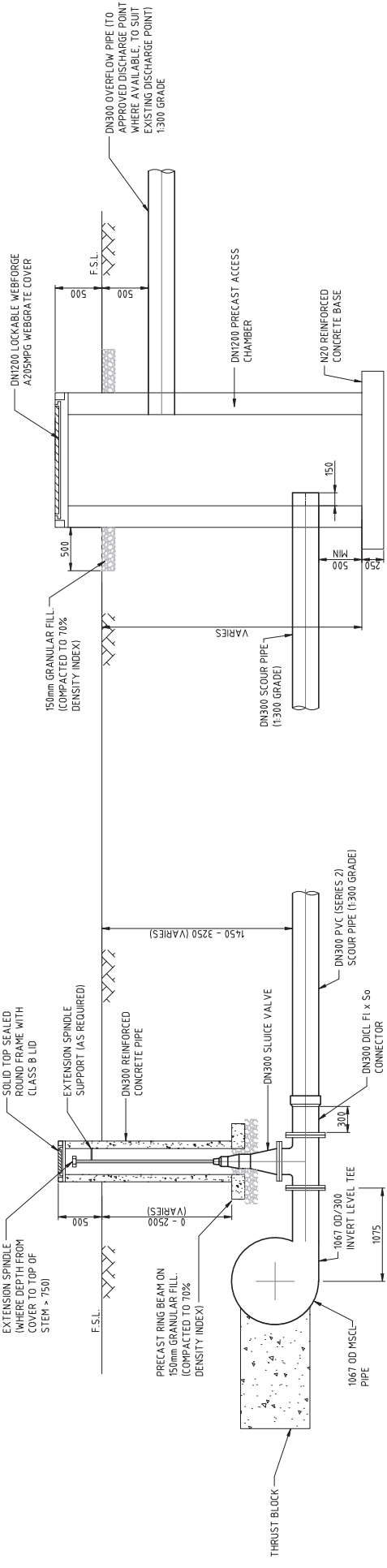
**COMBINED AIR/SURGE PROTECTION VALVE & ACCESS MANHOLE ON FLOOD PRONE AREA**

<p><b>SMC</b>          Member of the Surabaya Jointing Group          LEVEL 6, 480 ST PALLETT TERRACE          FORTITUDE VALLEY QLD 4008          SMC PROJECT NO: 30032687</p>	<p><b>Gladstone Area Water Board</b></p>
<p>DESIGNER          SUCIWIJAR          DRAFTER          J. HARVINDY          DESIGNER          M. SERRANO LOPEZ          DESIGN CHECK          J. WAGEMAR          PROJECT MANAGER          M. SERRANO LOPEZ          PROJECT DIRECTOR          A. ZANETTI</p>	<p>CURT          SCALE          1:20          CONCEPT DESIGN</p>
<p>PROJECT TITLE          GLADSTONE - FITZROY PIPELINE PROJECT          30GLA - PIPELINE STANDARD DRAWINGS          TYPICAL DETAILS          AIR RELIEF &amp; SURGE PROTECTION</p>	<p>PROJECT NO.          30032687-DWG-34000-C-0201          B</p>



REV	DATE	AMENDMENT / PERSON DESCRIPTION	BY	CHKD	APPROVAL	TITLE
A	20/02/21	30% CONCEPT DESIGN				
B	14/02/22	CONCEPT DESIGN-CO PHASE				

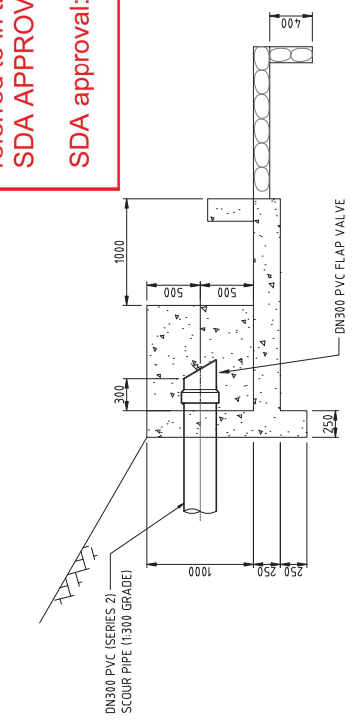
REV	DATE	AMENDMENT / PERSON DESCRIPTION	BY	CHKD	APPROVAL	TITLE
A	20/02/21	30% CONCEPT DESIGN				
B	14/02/22	CONCEPT DESIGN-CO PHASE				



**SCOUR CONNECTION DETAIL**

**DISCHARGE OUTLET - PUMP OUT PIT (AS REQUIRED)**

**PLANS AND DOCUMENTS referred to in the SDA APPROVAL**  
**SDA approval: AP2022/018**



**PLAN**

**SECTION A-A**

- NOTES:**
- FOR STANDARD NOTES REFER DRAWING 30032656-DWG-24000-C-0200.
  - FOR SHEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012.

**DISCHARGE OUTLET - APPROVED DISCHARGE POINT**

REV	DATE	AMENDMENT / REVISION DESCRIPTION	APPROVAL	TITLE	THEM NO
A	20/02/21	30% CONCEPT DESIGN	NSL		365819
B	14/02/22	CONCEPT DESIGN-ECO PHASE	006		

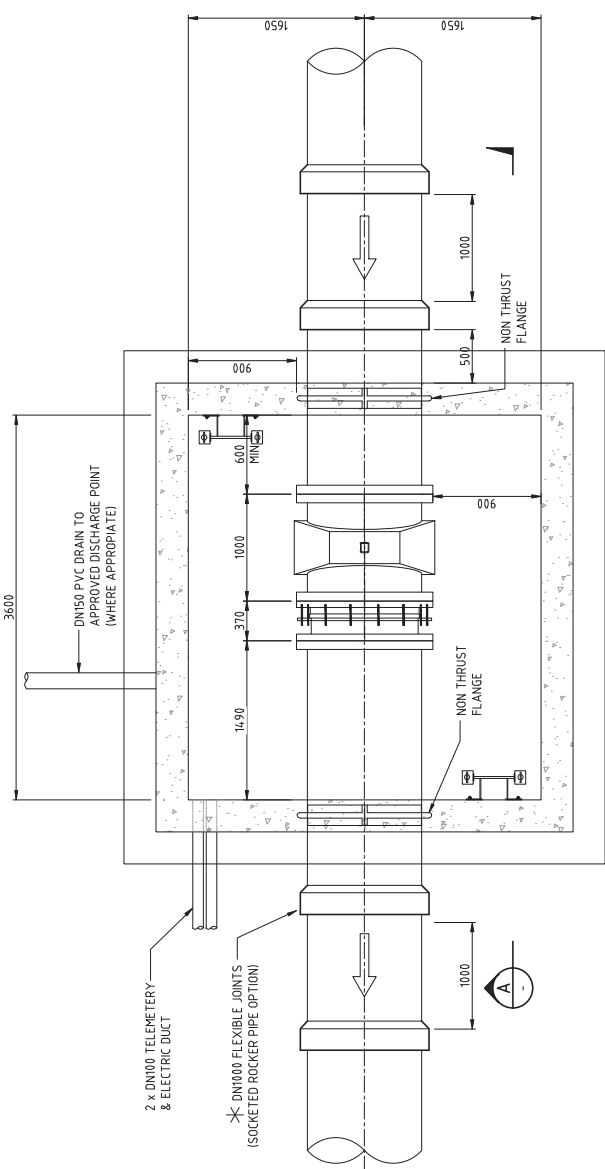
NAME	SCALE AT THIS DRAWING
DRAYER	1:50 (A3)
DRAFTING CHECK	1:25 (A4)
DESIGNER	1:25 (A4)
DESIGN CHECK	
PROJECT MANAGER	
PROJECT DIRECTOR	

**SMC**  
 Member of the Surabaya Jurong Group  
 LEVEL 6, 480 ST FALLS TERRACE  
 FORTITUDE VALLEY QLD 4008  
 SMC PROJECT NO: 30032687

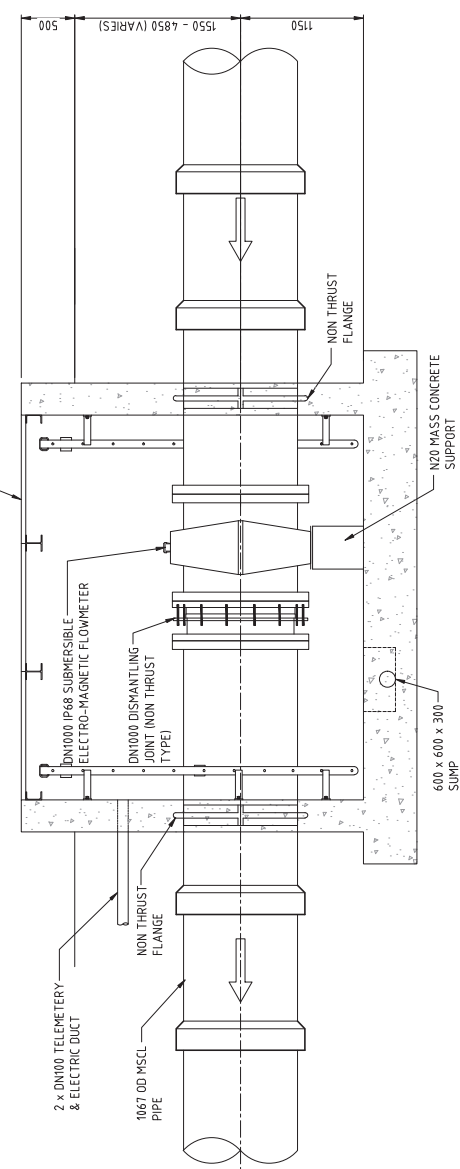
**Gladstone Area Water Board**

**NOT FOR CONSTRUCTION**

PROJECT TITLE: GLADSTONE - FITZROY PIPELINE PROJECT  
 30GLA - PIPELINE STANDARD DRAWINGS  
 TYPICAL DETAILS  
 SCOUR CONNECTION & DISCHARGE OUTLETS  
 SCALE: 1:25  
 PHASE: CONCEPT DESIGN  
 DRAWING NO: 30032687-DWG-34000-C-0208  
 SHEET NO: B



PLAN - UNDER COVER SLAB



SECTION A-A

FLOWMETER CHAMBER

  
**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**

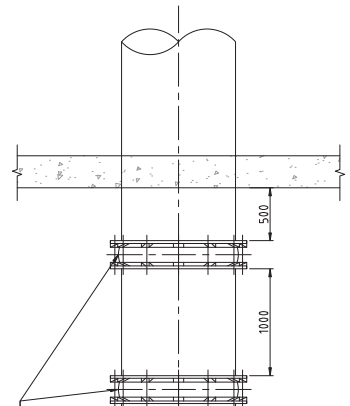
- NOTES:**
- FOR STANDARD NOTES REFER DRAWING 30032656-DWG-24000-C-0200
  - CLEARANCE FOR FLOWMETER AS FOLLOWS - 10 x DIAMETER UPSTREAM 5 x DIAMETER DOWNSTREAM
  - FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-34000-G-012



\* FOR TRENCH TYPES A & B USE SOCKETED ROCKER PIPE ARRANGEMENT. FOR TRENCH TYPE L & H USE COUPLING ROCKER PIPE ARRANGEMENT.

\* DN1000 FLEXIBLE JOINTS (COUPLING ROCKER PIPE OPTION)

NOTE: SPECIAL STANDARD PRL PIPE LENGTH WITH MACHINED COUPLING END

ALTERNATIVE FLEXIBLE JOINT ARRANGEMENT



<b>NOT FOR CONSTRUCTION</b>																																																																							
<p>PROJECT TITLE GLADSTONE - FITZROY PIPELINE PROJECT 30GLA - PIPELINE STANDARD DRAWINGS TYPICAL DETAILS FLOWMETER CHAMBER</p> <p>SCALE 1:25</p> <p>PHASE CONCEPT DESIGN</p> <p>PROJECT NUMBER 30032687-DWG-34000-C-0200</p>		 <p>Member of the Suringa Joint Group LEVEL 6, 480 ST PAULS TERRACE FORTITUDE VALLEY QLD 4008 SMEC PROJECT NO. 30032687</p>	<p>DESIGNER</p> <p>SCALE AT THIS DRAWING</p> <p>SCALE 0 50 100 150mm 1:50 (A3) 1:25 (A1)</p>																																																																				
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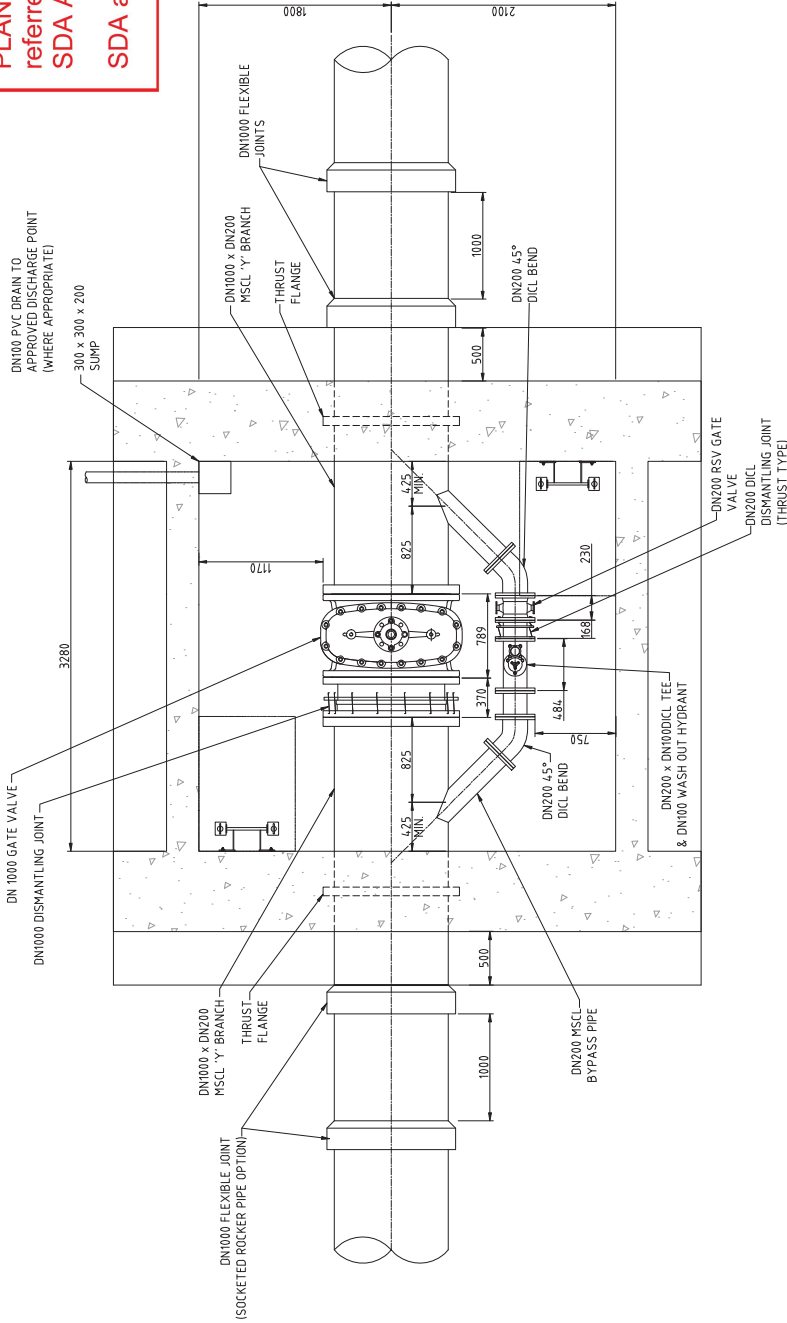
**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**

SDA approval: AP2022/018

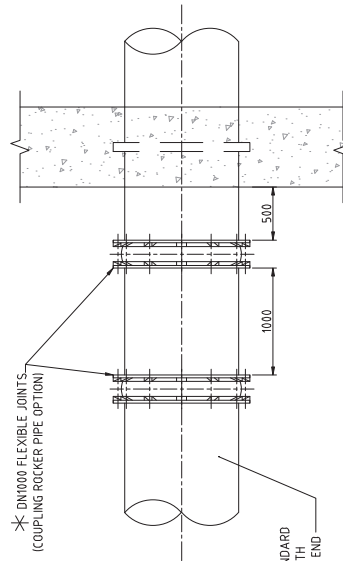
**NOTES:**

- FOR STANDARD NOTES REFER DRAWING 08164-DWG-24000-C-0200
- FOR SMEC'S DISCLAIMER REFER DRAWING 30032687-DWG-32000-G-012

\*



**PLAN**



**ALTERNATIVE FLEXIBLE JOINT ARRANGEMENT**

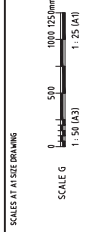
\* FOR TRENCH TYPES A & B USE SOCKETED ROCKER PIPE ARRANGEMENT. FOR TRENCH TYPE L & FLUSE COUPLING ROCKER PIPE ARRANGEMENT.

NOTE: SPECIAL STANDARD RRI PIPE LENGTH WITH MACHINED COUPLING END

**ISOLATION VALVE CHAMBER - GATE VALVE (WITH BYPASS)**

REV	DATE	AMENDMENT / REVISION DESCRIPTION	BY	CHK	APP	DATE	TIME
A	20/02/21	30% CONCEPT DESIGN				14/02/22	03:38:52
B	14/02/22	CONCEPT DESIGN-ECO PHASE					

NAME	TITLE
SKETCH/ITER	DRAFTER
J. HAYWARD	DRAFTING CHECK
M. SERRANO LOPEZ	DESIGNER
J. WAGGEMAR	DESIGN CHECK
M. SERRANO LOPEZ	PROJECT MANAGER
A. ZANETTI	PROJECT DIRECTOR



**SMEC**  
Member of the Suringar Jurong Group  
LEVEL 6, 480 ST PALLAS TERRACE  
FORTITUDE VALLEY QLD 4008  
SMEC PROJECT NO: 30032687



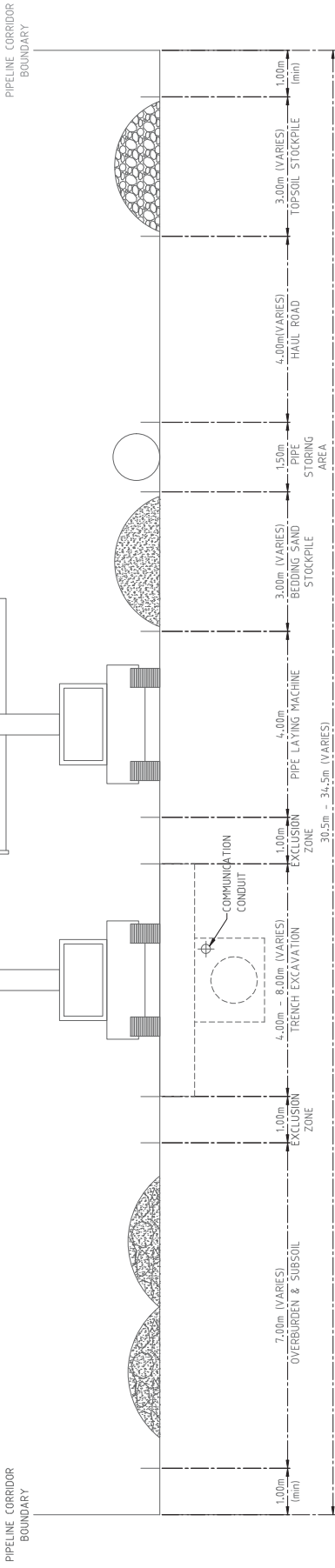
**NOT FOR CONSTRUCTION**

PROJECT TITLE: GLADSTONE - FITZROY PIPELINE PROJECT  
30GLA - PIPELINE STANDARD DRAWINGS  
TYPICAL DETAILS  
ISOLATION VALVE CHAMBER

SCALE: 1:25  
PHASE: CONCEPT DESIGN  
PROJECT NUMBER: 30032687-DWG-34000-C-0211

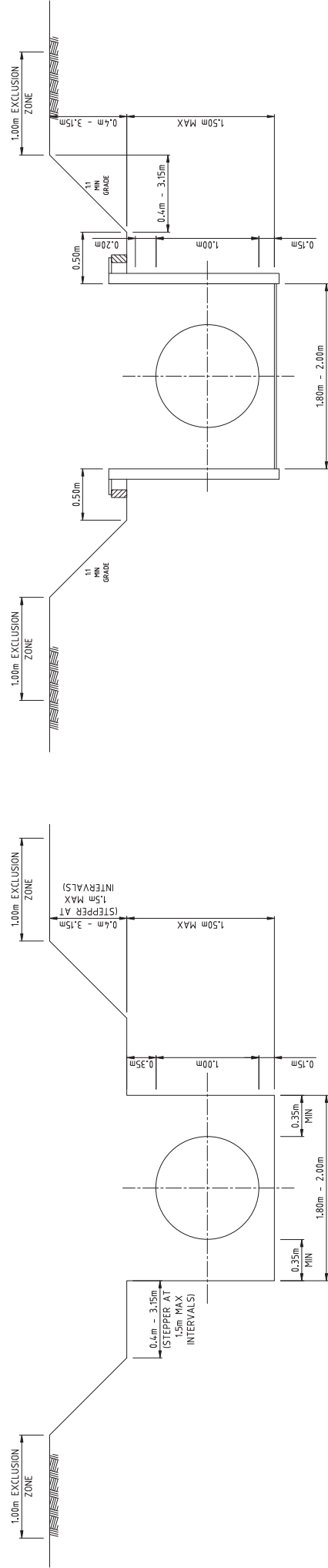
REVISION: B





TYPICAL SECTION - CONSTRUCTION CORRIDOR  
 WIDTH VARIABLE - SUBJECT TO LANDOWNER & D.O.I. APPROVAL  
 N.T.S.

**PLANS AND DOCUMENTS**  
 referred to in the  
**SDA APPROVAL**  
**SDA approval: AP2022/018**



TYPICAL STANDARD TRENCH SUPPORT DETAIL  
 (0.75 - 3.5m COVER (COHESIVE GROUND)  
 SCALE H

TYPICAL STANDARD TRENCH SUPPORT DETAIL  
 (0.75 - 2.5m COVER (NON-COHESIVE GROUND)  
 SCALE H

REV	DATE	DESCRIPTION	APPROVAL	TITLE	DATE	THEM
A	23.08.22	30% CONCEPT DESIGN		30032487-DWG-34000-C-0222	2022	30032487

NAME	SCALE AT THIS DRAWING
DRAFTER: SUZUKI, R.	0 0.2 0.4 0.6 0.8 1.0m
DRAFTING CHECK: C. BUI	1:40 (A3)
DESIGNER: M. SERRANO LOPEZ	SCALE H
DESIGN CHECK: J. WAGEMAN	1:20 (A4)
PROJECT MANAGER: M. SERRANO LOPEZ	
PROJECT DIRECTOR: D. TAYLOR	

**SMC**  
 Member of the Suringa Joint Group  
 481 St Pauls Terrace  
 Fortitude Valley QLD 4006  
 SMCC PROJECT NO: 30032887



SCALE	PROJECT TITLE	PROJECT / DRAWING NO.	REVISION
1:20	FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - PIPELINE STANDARD DRAWINGS TYPICAL DETAILS TYPICAL PIPELINE CONSTRUCTION DETAILS	30032487-DWG-34000-C-0222	A

**NOT FOR CONSTRUCTION**

DRAWING NO.	TITLE
36300 - RAGLAN PUMP STATION	
3032687-DWG-36300-G-5000	GENERAL COVER SHEET
3032687-DWG-36300-P-5004	PROCESS & INSTRUMENTATION DIAGRAM SHEET 1
3032687-DWG-36300-P-5005	PROCESS & INSTRUMENTATION DIAGRAM SHEET 2
3032687-DWG-36300-P-5006	PROCESS & INSTRUMENTATION DIAGRAM SHEET 3
3032687-DWG-36300-P-5007	PROCESS & INSTRUMENTATION DIAGRAM SHEET 4
3032687-DWG-36300-P-5008	PROCESS & INSTRUMENTATION DIAGRAM SHEET 5
3032687-DWG-36300-P-5009	PROCESS & INSTRUMENTATION DIAGRAM SHEET 6
3032687-DWG-36300-C-5010	LOCALITY PLAN
3032687-DWG-36300-C-5011	OVERALL LAYOUT PLAN
3032687-DWG-36300-C-5012	LAYOUT PLAN
3032687-DWG-36300-C-9335	SERVICES
3032687-DWG-36300-L-5000	PIPING GENERAL ARRANGEMENT OVERALL LAYOUT PLAN
3032687-DWG-36300-U-5000	GEOTECHNICAL LAYOUT PLAN
3032687-DWG-36300-U-5001	GEOTECHNICAL LONGITUDINAL SECTION
3032687-DWG-36300-M-5355	MECHANICAL - IN BUILDING PIPELINE ARRANGEMENT PLAN
3032687-DWG-36300-M-5356	MECHANICAL - IN BUILDING PIPELINE SECTIONS
3032687-DWG-36300-E-5400	HY POWER SUPPLY PROTECTION AND METERING SINGLE LINE DIAGRAM
3032687-DWG-36300-E-5405	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 1
3032687-DWG-36300-E-5406	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 2
3032687-DWG-36300-E-5407	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 3
3032687-DWG-36300-E-5440	HV SWITCHROOM LAYOUT DRAWING
3032687-DWG-36300-E-5460	ELECTRICAL SITE LAYOUT
3032687-DWG-36300-E-5470	EARTHING LAYOUT EARTH GRID DESIGN
3032687-DWG-36300-J-5500	CONTROL SYSTEM NETWORK DIAGRAM

DRAWING NO.	TITLE
34300 - ALDODGA TO MT MILLER PIPELINE	
3032687-DWG-34300-G-8000	COVER SHEET
3032687-DWG-34300-C-8001	KEY PLAN
3032687-DWG-34300-C-8015	LAYOUT PLAN CH10895.963 TO CH11500 SHEET 1
3032687-DWG-34300-C-8016	LAYOUT PLAN CH11500 TO CH11500 SHEET 2
3032687-DWG-34300-C-8017	LAYOUT PLAN CH11500 TO CH17408.440 SHEET 3
3032687-DWG-34300-C-8040	PLAN AND LONGITUDINAL SECTION GENERAL NOTES & LEGEND
3032687-DWG-34300-M-8301	CONNECTION VALVE PIT
3032687-DWG-34300-M-8310	PLAN AND LONGITUDINAL SECTION MT LARCOM ROAD / YARWUN RAIL CROSSING
3032687-DWG-34300-U-8150	PLAN AND LONGITUDINAL SECTION MT LARCOM GLADSTONE ROAD CROSSING
3032687-DWG-34300-U-8151	PLAN AND LONGITUDINAL SECTION MT LARCOM GLADSTONE ROAD CROSSING/ TARGINE ROAD CROSSING
3032687-DWG-34300-U-8152	PLAN AND LONGITUDINAL SECTION RYA GOAL CONVEYOR CROSSING
3032687-DWG-34300-U-8153	MT MILLER PIPELINE CONNECTION DETAIL PIPING PLAN
3032687-DWG-34300-L-8600	
35000 - ALDODGA RESERVOIR	
3032687-DWG-35000-G-7000	GENERAL COVER SHEET
3032687-DWG-35000-P-7006	P & ID
3032687-DWG-35000-C-7010	LOCALITY PLAN
3032687-DWG-35000-C-7011	OVERALL LAYOUT PLAN
3032687-DWG-35000-C-7013	LAYOUT PLAN RESERVOIR AREA
3032687-DWG-35000-L-7600	SETOUT PLAN PIPING
3032687-DWG-35000-U-7090	JOHN'S HILL GEOPHYSICAL SURVEY GEOTECHNICAL LAYOUT PLAN & SECTION
3032687-DWG-35000-U-7091	GEOTECHNICAL INVESTIGATION LAYOUT PLAN
3032687-DWG-35000-U-7092	GEOTECHNICAL DRAWING GEOPHYSICAL SECTIONS
3032687-DWG-35000-E-7400	ELECTRICAL SITE LAYOUT
3032687-DWG-35000-E-7405	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 1
3032687-DWG-35000-J-7500	CONTROL SYSTEM NETWORK DIAGRAM
36000 - INTAKE PUMP STATION	
3032687-DWG-36000-G-1000	GENERAL COVER SHEET
3032687-DWG-36000-P-1006	PROCESS & INSTRUMENTATION DIAGRAM
3032687-DWG-36000-C-1010	LOCALITY PLAN
3032687-DWG-36000-C-1011	OVERALL LAYOUT PLAN
3032687-DWG-36000-C-1012	LAYOUT PLAN
3032687-DWG-36000-C-1024	PLAN AND LONGITUDINAL SECTION GENERAL NOTES AND LEGEND GENERAL NOTES & LEGEND
3032687-DWG-36000-M-1301	PUMPELL GENERAL ARRANGEMENT PLAN
3032687-DWG-36000-M-1302	PUMPELL GENERAL ARRANGEMENT SECTIONS
3032687-DWG-36000-U-1090	GEOTECHNICAL LAYOUT PLAN
3032687-DWG-36000-U-1091	GEOTECHNICAL SECTIONS
3032687-DWG-36000-E-1400	HY POWER SUPPLY PROTECTION AND METERING SINGLE LINE DIAGRAM
3032687-DWG-36000-E-1405	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 1
3032687-DWG-36000-E-1406	MAIN SWITCHBOARD LV SINGLE LINE DIAGRAM SHEET 2
3032687-DWG-36000-E-1425	ELECTRICAL SITE LAYOUT
3032687-DWG-36000-E-1426	IT-51 22KV SWITCHBOARD TYPICAL PLC TIER GENERAL ARRANGEMENT
3032687-DWG-36000-E-1440	HV SWITCHROOM LAYOUT DRAWING
3032687-DWG-36000-E-1455	LV CONDUIT AND CABLE TRAY ROUTE CONTROL BUILDING GENERAL ARRANGEMENT
3032687-DWG-36000-E-1470	EARTHING LAYOUT EARTH GRID DESIGN
3032687-DWG-36000-E-1471	EARTHING LAYOUT EARTH BAR AND CONNECTION DETAILS
3032687-DWG-36000-J-1500	CONTROL SYSTEM NETWORK DIAGRAM
36200 - ALTON DOWNS PUMP STATION & RESERVOIR	
3032687-DWG-36200-G-3000	GENERAL COVER SHEET
3032687-DWG-36200-P-3005	PROCESS & INSTRUMENTATION DIAGRAM SHEET 1
3032687-DWG-36200-P-3006	PROCESS & INSTRUMENTATION DIAGRAM SHEET 2
3032687-DWG-36200-P-3007	PROCESS & INSTRUMENTATION DIAGRAM SHEET 3
3032687-DWG-36200-C-3010	LOCALITY PLAN
3032687-DWG-36200-M-3355	PIPELINE ARRANGEMENT PLAN
3032687-DWG-36200-M-3356	MECHANICAL - IN BUILDING PIPELINE SECTIONS
3032687-DWG-36200-E-3400	HY POWER SUPPLY PROTECTION AND METERING SINGLE LINE DIAGRAM
3032687-DWG-36200-E-3401	ELECTRICAL OVERALL SITE LAYOUT
3032687-DWG-36200-E-3409	ALTON DOWNS OVERALL SINGLE LINE DIAGRAM OVERVIEW
3032687-DWG-36200-E-3440	PUMP STATION BUILDING HV SWITCHROOM LAYOUT
3032687-DWG-36200-E-3460	SLUDGE DEWATERING BUILDING TRANSFORMER BAY LAYOUT
3032687-DWG-36200-E-3470	PUMP STATION BUILDING EARTHING LAYOUT
3032687-DWG-36200-E-3472	SLUDGE DEWATERING BUILDING EARTHING LAYOUT
3032687-DWG-36200-L-3600	PIPELINE SECTIONS SHEET 1
3032687-DWG-36200-L-3601	PIPELINE SECTIONS SHEET 2

DRAWING INDEX

DRAWING INDEX



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SDA approval: AP2022/018

**DISCLAIMER**

A TOTAL OF 1,952 DRAWINGS HAVE BEEN PROVIDED AS PART OF GAWB'S DOCUMENTATION SHARED 'GLADSTONE FITZROY PROJECT - SHARE FOLDER' ON 15 JUNE 2021. A CLOUGH DIVERSIFIED UNITED JOINT VENTURE (CDUVJ) IN AN EARLY CONTRACTOR INVOLVEMENT (ECI) STYLE CONTRACT DEVELOPED A DETAILED DESIGN, INCLUDING DRAWINGS, AND PROVIDED CONSTRUCTIBILITY INPUT FOR THE GLADSTONE TO FITZROY PIPELINE PROJECT.

THE 1,952 DRAWINGS PROVIDED INCLUDED ALL DISCIPLINES IN ALL AREAS THAT WERE COVERED DURING THE DETAILED DESIGN PHASE. DUE TO THE LARGE AMOUNT OF DRAWINGS, SMEC HAS ONLY REVIEWED SPECIFIC ITEMS. THE DRAWINGS PRODUCED BY SMEC ARE BASED ON THE CDUVJ DRAWINGS, THE CONFIDENCE LEVEL, CONSIDERED TO BE MOST APPROPRIATE FOR CONCEPT DESIGN PURPOSES, WILL VARY DEPENDING ON THE CONSERVATISM OF THE USER AND THE NATURE OF THE DISCIPLINE.

**NOT FOR CONSTRUCTION**

CLIENT FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ENTIRE SITE <b>OVERALL DRAWING INDEX</b> SHEET 2	DESIGNER MEMBER OF THE SUBSIDIARY JURONG GROUP LEVEL 6, 400 ST PAULUS TERRACE 1500 WOODWARD STREET, MELBOURNE VIC 3002 TEL: 03 9594 1400 FAX: 03 9594 1401 WWW.SMEC.COM.AU ABN 47 065 475 149
PROJECT TITLE FITZROY TO GLADSTONE PIPELINE PROJECT 30GLA - ENTIRE SITE <b>OVERALL DRAWING INDEX</b> SHEET 2	SCALE N.T.S.
PROJECT CODES IN 30032687-DWG-32000-G-0112	PROJECT CODES IN 30032687-DWG-32000-G-0112

DRAWING FILE LOCATION: NAME V:\_Shared\Projects\30032687A_GFP-EP-01\1100_LADO\LD\040130_GL32000_OVERALL_SITE_LAYOUTS\3032687-DWG-32000-G-0112-040	DATE 14/01/22	TIME 17:39:38
APPROVED FOR CONSTRUCTION 30% CONCEPT DESIGN CONCEPT DESIGN-SET PHASE	APPROVAL 21 Nov 2022	SHEET NO. 014
DESIGNER J.W. AGEMAR	DRAFTER C. BROW	CHECKER M. SERRANO LOPEZ
PROJECT MANAGER M. SERRANO LOPEZ	PROJECT DIRECTOR D. LAZAR	SCALE N.T.S.



# Fitzroy to Gladstone Pipeline Project

## Planning Report for Material Change of Use – FGP SGIC SDA Alignment

Gladstone Area Water Board

13 January 2023

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**



SDA approval: AP2022/018

# Special Area Plan – Yellow chat habitat within the Stanwell-Gladstone Infrastructure Corridor State Development Area

## Fitzroy to Gladstone Pipeline Project

Gladstone Area Water Board (GAWB)

June 2023

PLANS AND DOCUMENTS  
referred to in the  
SDA APPROVAL



SDA approval: AP2022/018

**BASE/**



# Special Area Plan – Trenchless Waterway Crossings within the Stanwell-Gladstone Infrastructure Corridor State Development Area

## Fitzroy to Gladstone Pipeline Project

Gladstone Area Water Board (GAWB)

June 2023

PLANS AND DOCUMENTS  
referred to in the  
SDA APPROVAL



SDA approval: AP2022/018

# BASE/

BASE/



# Special Area Plan – Ornamental Snake and Brigalow habitat within the Stanwell-Gladstone Infrastructure Corridor State Development Area

## Fitzroy to Gladstone Pipeline Project

Gladstone Area Water Board (GAWB)

June 2023

PLANS AND DOCUMENTS  
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SDA APPROVAL



SDA approval: AP2022/018

**BASE/**



# Gladstone Area Water Board

## Fitzroy to Gladstone Pipeline Construction Environmental Management Plan

**1151-DL00-GWB-XEV-MAP-00001**

**Controlled Document**

**PLANS AND DOCUMENTS**  
referred to in the  
**SDA APPROVAL**



**SDA approval: AP2022/018**

<b>AUTHORISED BY:</b>	FGP Chief Operating Officer
<b>DATE OF ISSUE:</b>	July 2023
<b>MAINTAINED BY:</b>	FGP Approvals Manager
<b>CURRENT VERSION:</b>	Revision 1, Issue 2
<b>REVIEW DATE:</b>	12 months from 'Date of Issue'
<b>DOCUMENT TYPE</b>	Management Plan

Gladstone Area Water Board  
Phone: (07) 4976 3000  
Fax: (07) 4972 5632

136 Goondoon Street  
Gladstone Q 4680  
[www.gawb.qld.gov.au](http://www.gawb.qld.gov.au)

#### Gladstone Area Water Board

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