

OPERATIONAL WORKS APPLICATION FOR TRUNK INFRASTRUCTURE



planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5461 | www.gassman.com.au
Gold Coast & Logan | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

CoGC STAPYLTON XGMA21 GRAVITY SEWER "VANTAGE YATALA"

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

DRAWING INDEX		
DRAWING No.	REV. No.	DRAWING TITLE
5941 ENG EXTSEW 001	B	DRAWING INDEX AND LOCALITY PLAN
5941 ENG EXTSEW 002	B	GENERAL NOTES
5941 ENG EXTSEW 003	B	LEGEND
5941 ENG EXTSEW 005	B	KEY PLAN LAYOUT
5941 ENG EXTSEW 010	B	CONTOUR AND DETAIL PLAN - SHEET 1 OF 5
5941 ENG EXTSEW 011	B	CONTOUR AND DETAIL PLAN - SHEET 2 OF 5
5941 ENG EXTSEW 012	B	CONTOUR AND DETAIL PLAN - SHEET 3 OF 5
5941 ENG EXTSEW 013	B	CONTOUR AND DETAIL PLAN - SHEET 4 OF 5
5941 ENG EXTSEW 014	B	CONTOUR AND DETAIL PLAN - SHEET 5 OF 5
5941 ENG EXTSEW 020	B	DEMOLITION AND PROTECTION PLAN
5941 ENG EXTSEW 600	B	SEWER LAYOUT PLAN - SHEET 1 OF 6
5941 ENG EXTSEW 601	B	SEWER LAYOUT PLAN - SHEET 2 OF 6
5941 ENG EXTSEW 602	B	SEWER LAYOUT PLAN - SHEET 3 OF 6
5941 ENG EXTSEW 603	B	SEWER LAYOUT PLAN - SHEET 4 OF 6
5941 ENG EXTSEW 604	B	SEWER LAYOUT PLAN - SHEET 5 OF 6
5941 ENG EXTSEW 605	A	SEWER LAYOUT PLAN - SHEET 6 OF 6
5941 ENG EXTSEW 610	B	SEWER LONGITUDINAL SECTIONS - SHEET 1 OF 4
5941 ENG EXTSEW 611	B	SEWER LONGITUDINAL SECTIONS - SHEET 2 OF 4
5941 ENG EXTSEW 612	B	SEWER LONGITUDINAL SECTIONS - SHEET 3 OF 4
5941 ENG EXTSEW 613	B	SEWER LONGITUDINAL SECTIONS - SHEET 4 OF 4
5941 ENG EXTSEW 650	B	SEWER STRUCTURE DETAILS - SHEET 1 OF 2
5941 ENG EXTSEW 651	B	SEWER STRUCTURE DETAILS - SHEET 2 OF 2

CLIENT / APPLICANT:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

SITE ADDRESS

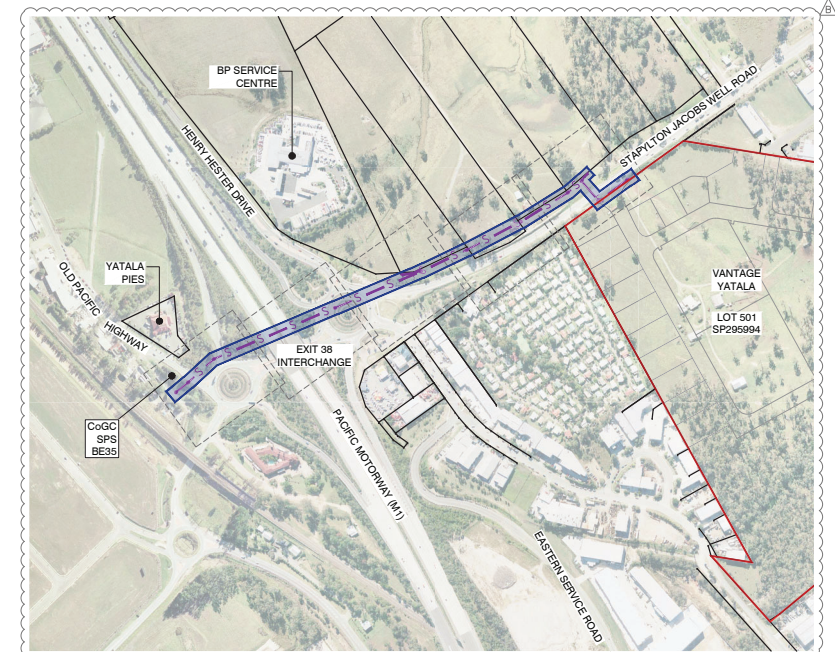
STAPYLTON JACOBS WELL ROAD
STAPYLTON QLD 4207

ISSUED FOR
APPROVAL

13/07/2020

DWG No. 5941 ENG EXTSEW 001 - REV B

JULY 2020



LOCALITY PLAN
SCALE 1:4000 (A1)

Diagram illustrating the vertical alignment and proposed linemarking for the road project. The diagram shows the existing ground profile (Existing Contours) and the proposed road profile (Design Contours) relative to the existing ground level.

Legend:

- GUARDRAIL
- TOP OF BATTER / BERM
- PROPERTY LINE
- PROPERTY FENCE LINE
- PROPOSED KERB, FOOTPATH
- EXISTING PROPERTY LINE WITH FENCE
- EXISTING KERB, FOOTPATH
- EXISTING EDGE OF BITUMEN
- EXISTING CONTOURS
- DESIGN CONTOURS
- PROPOSED LINEMARKING

Diagram illustrating the layout of sewerage infrastructure, showing the proposed trunk gravity sewer in Enveloper Pipe (DIA./CLASS as SPEC.) and the proposed sewer rising main (DIA./CLASS as SPEC.). The diagram includes a plan view of the sewer main, rising main, stormwater line, water main, gas main, and guardrail. Below the plan view is a detailed cross-section of the sewer main, showing the pipe, manhole, and various components like the water main, gas main, and guardrail. The diagram also includes a legend for the sewer main components and a list of existing infrastructure.

Legend:

- RM (Rising Main)
- ERM (Existing Rising Main)
- SW (Stormwater Line)
- W (Water Main)
- G (Gas Main)
- E (Existing Sewer Main)
- C (Catchment)
- T (Trench)
- F (Footing)
- U (Underground Electricity)
- TE (Telecommunications)

Existing Infrastructure:

- EXISTING SEWER RISING MAIN (SURVEY / POTHOLE)
- EXISTING SEWER RISING MAIN (DBYD / COUNCIL GIS)
- EXISTING PRIVATE SEWER RISING MAIN (MAPINFO DATABASE)
- EXISTING GRAVITY SEWER MAIN (SURVEY / POTHOLE)
- EXISTING GRAVITY SEWER MAIN (DBYD / COUNCIL GIS)
- EXISTING STORMWATER LINE (SURVEY)
- EXISTING WATER MAIN
- EXISTING GAS MAIN
- EXISTING UNDERGROUND ELECTRICITY
- EXISTING OVERHEAD ELECTRICITY
- EXISTING TELSTRA
- EXISTING COMMUNICATIONS

Proposed Infrastructure:

- PROPOSED TRUNK GRAVITY SEWER IN ENVELOPER PIPE (DIA./CLASS as SPEC.)
- PROPOSED TRUNK GRAVITY SEWER MAIN (DIA./CLASS as SPEC.)
- PROPOSED SEWER RISING MAIN (DIA./CLASS as SPEC.)
- PROPOSED STORMWATER LINE
- PROPOSED WATER MAIN / RELOCATION
- PROPOSED GAS MAIN / RELOCATION
- PROPOSED GUARDRAIL

	ELECTRICITY PIT
	ELECTRICITY POLE
	LIGHT POLE
	FIELD INLET
	COMMS PIT
	TRAFFIC LIGHT
	GATE
	GAS WARNING MARKER
	SEWER MANHOLE
	EXISTING SIGN
	EXISTING BIN
	POST BOX
	TELEPHONE BOX
	TELSTRA PIT
	TELSTRA MARKER POST
	WATER METER
	WATER VALVE
	FIRE HYDRANT
	WATER TAP
	WATER HYDRANT
	WATER TEE
	WATER REDUCER
	WATER ENDCAP
	WATER CONNECTION
	EXISTING TREE

The diagram illustrates the vertical alignment of a sewer pipe at a specific stationing point. A horizontal line represents the ground surface, with a vertical axis on the left indicating stationing from 335,000 to 355,000. A vertical line segment represents the pipe, with a horizontal axis at the top indicating chainage from 380,000 to 380,000. The vertical axis is labeled 'CONTROL LINE OF TRUNK SEWER (CENTRE OF PIPE)'. The horizontal axis is labeled 'PIPE INVERT LEVEL'. The vertical distance between the ground surface and the pipe invert is labeled 'RUNNING PIPE CHAINAGE'.

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

Application No: OPW/2020/674

Dated: 21 August 2020

**Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies**

B	13-07-20	#INFORMATION REQUEST RESPONSE			BA MO
A	08-05-20	ORIGINAL ISSUE			ID MO
Issue	Date	Description			DRN CH

Scale at A1: NTS

Designed:	IG
-----------	----

Drafted:	IG
----------	----

Approved:	MC
-----------	----

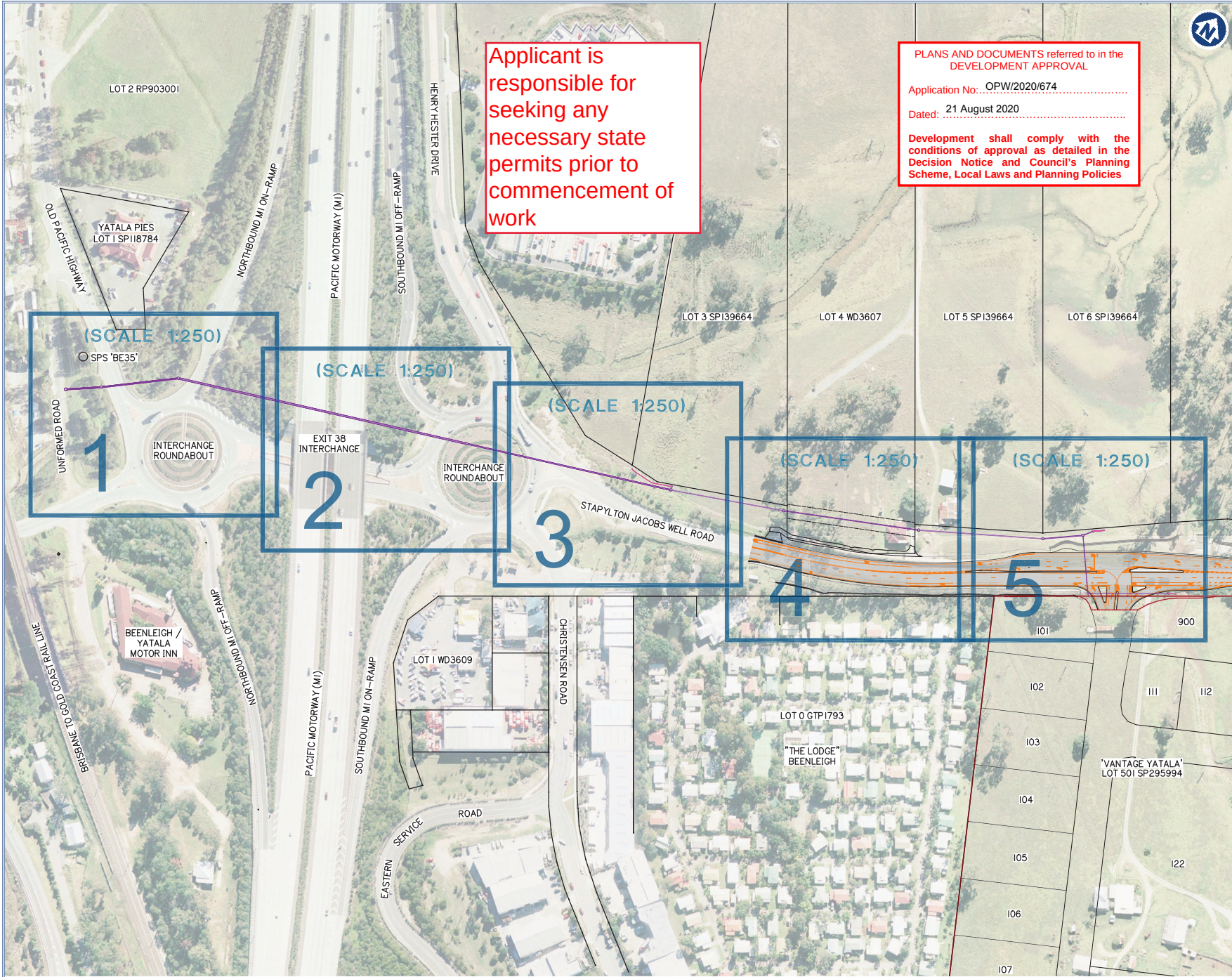
RPEQ:	16939
-------	-------

Signed:	
---------	--

Date:	08.05.20
-------	----------

	08-03-20
Drawing No:	

5941 ENG EXTSEW 003 B



KEY PLAN LAYOUT



planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5461 | www.gassman.com.au
Gold Coast & Logan | 16 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:
Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be
reproduced or transmitted in any form or by any means,
electronic, mechanical, photocopying, recording, or
otherwise, without the written permission of Gassman
Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
KEY PLAN LAYOUT

Rev	Date	Description	Rev	Date	Description
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MD	
A	08-05-20	ORIGINAL ISSUE	AS	MS	

Scale 1:1250 - Lengths are in Metres.



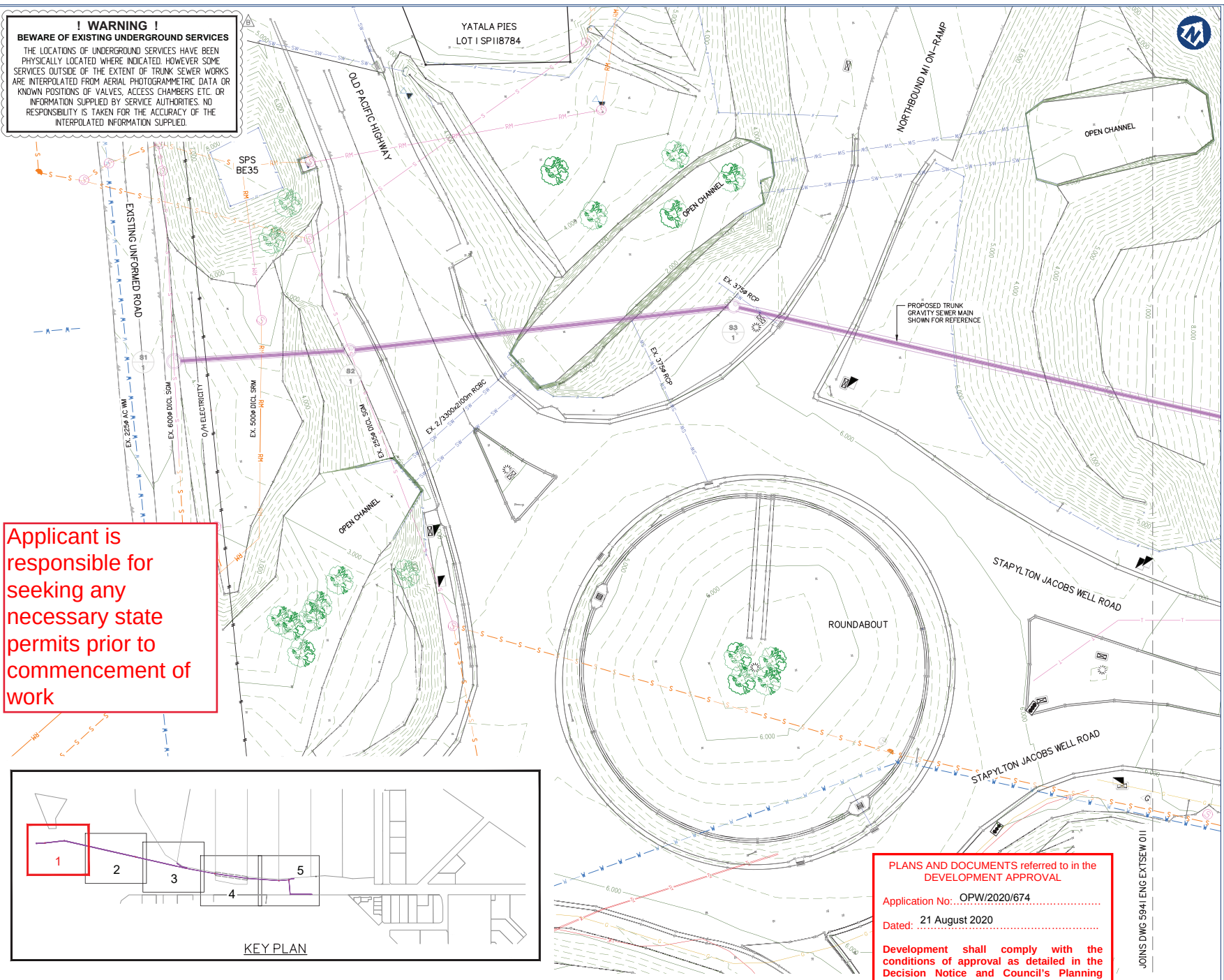
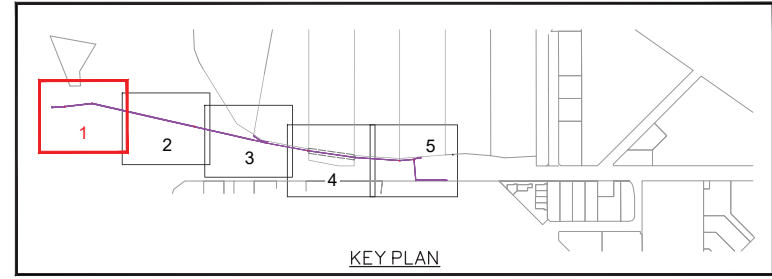
Scale at A1: 1:1250

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20

Drawing No: 5941 ENG EXTSEW 005
Rev. No: B

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

Applicant is responsible for seeking any necessary state permits prior to commencement of work



PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Rev	Date	Description	By	App'd
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MG
A	28-05-20	ORIGINAL ISSUE	BA	MG
Issue	Date	Description	By	App'd

Scale 1:250 - Lengths are in Metres
0 2 4 6 8 10 12 14 16 18 20

Scale at A1:	1:250
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 010
Rev. No:	B

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

Applicant is responsible for seeking any necessary state permits prior to commencement of work

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No.: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

© 2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

CONTOUR AND DETAIL
PLAN - SHEET 2 OF 5

Rev	Date	Description	By	Check
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MG
A	08-05-20	ORIGINAL ISSUE	BA	MG
Issue	Date	Description	By	Check

Scale 1:250 - Lengths are in Metres
0 2 4 6 8 10 12 14 16 18 20

Scale at A1: 1:250

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20

Drawing No: 5941 ENG EXTSEW 011
Rev. No: B

KEY PLAN

CONTOUR AND DETAIL PLAN - SHEET 2 OF 5



Drawing No:	Rev. No:
5941 ENG EXTSEW 012	B

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



gasman
development
perspectives
1985
planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5461 | www.gasman.com.au
Gold Coast & Logan | 16 Business Street, Yatala QLD | 10 Bca 382, Beerleigh 4207

Client:

FRASERS
PROPERTY
FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:
Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

© 2012 Gasman Development Perspectives
All rights reserved. No part of this document may be
reproduced or transmitted in any form or by any means,
electronic, mechanical, photocopying, recording, or
otherwise, without the written permission of Gasman
Development Perspectives.

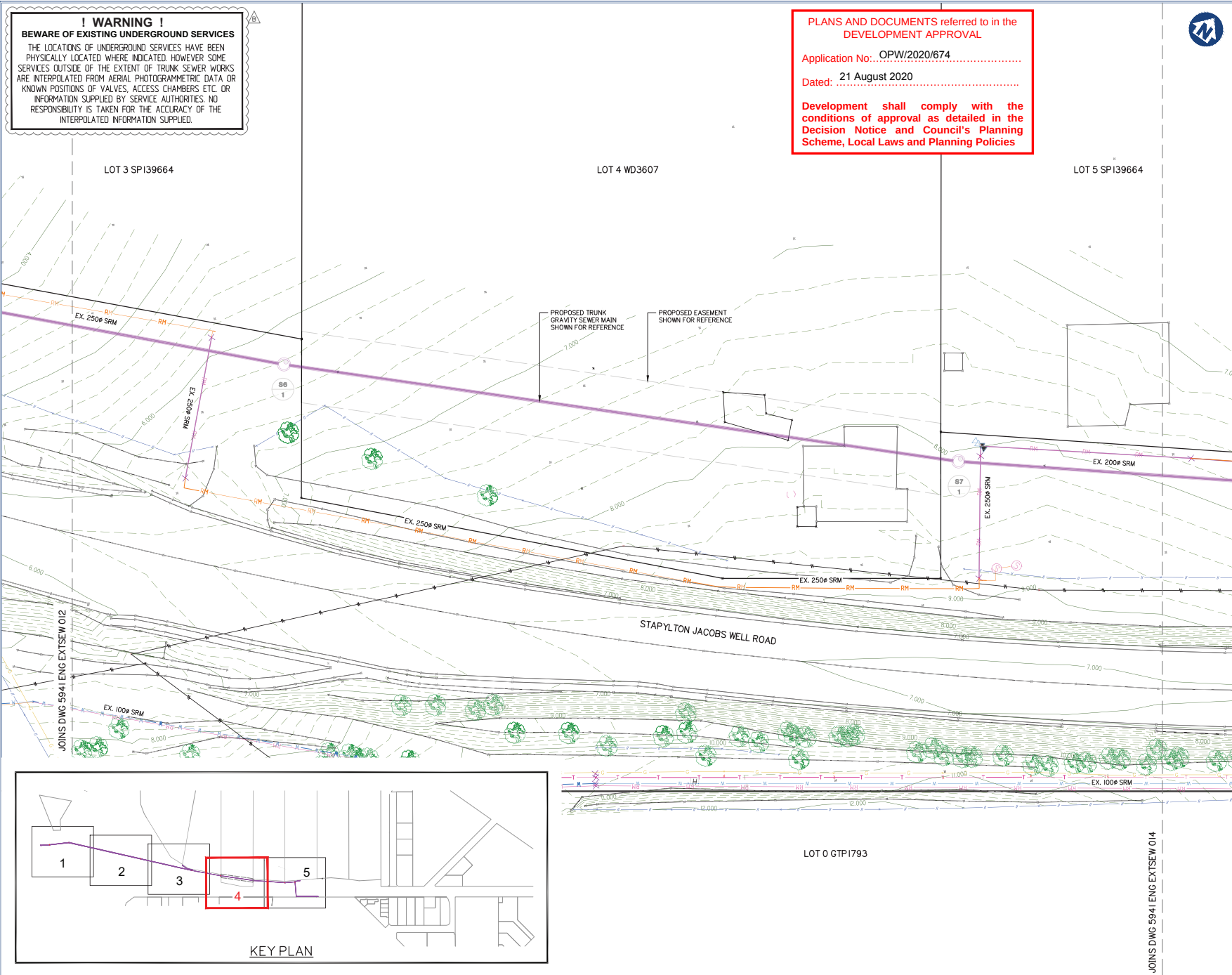
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
CONTOUR AND DETAIL
PLAN - SHEET 4 OF 5

Rev	Date	Description	By	App'd
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MG
A	08-05-20	ORIGINAL ISSUE	TS	MG
Issue		Description	By	App'd

Scale 1:250 - Lengths are in Metres

Scale at A1:	1:250
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 013
Rev. No:	B



CONTOUR AND DETAIL PLAN – SHEET 4 OF 5

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

LOT 6 SPI39664

LOT 7 SP139664



FRASERS
PROPERTY

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:	
Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RI:	-

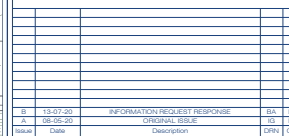
ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

CONTOUR AND DETAIL
PLAN - SHEET 5 OF 5



Scale 1:250 - Lengths are in Metres.

Scale at A1: 1:250

Designed:	IG
-----------	----

Drafted:	IG
----------	----

Approved:	MG
-----------	----

RPEQ:	1693
-------	------

Signed:	<i>M. H. H.</i>
---------	-----------------

Date:	08-08
-------	-------

Drawing No:
5941 ENG EXTSEW 014

Rev. No:
B

CONTOUR AND DETAIL PLAN – SHEET 5 OF 5

KEY PLAN

G:\Projects\5041\engineering\Acad\external trunk sewer\CURRENT\5041 ENG EXTSEW 010.dwg

LOT 3 SP139664

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

LOT 4 WD3607

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

LOT 5 SP139664



gasman
development
perspectives
1985
planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5441 | www.gasman.com.au
Gold Coast & Logan | 76 Business Street, Yatala QLD | 10 Bca 392, Beerleigh 4207

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gasman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gasman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
DEMOLITION AND
PROTECTION PLAN

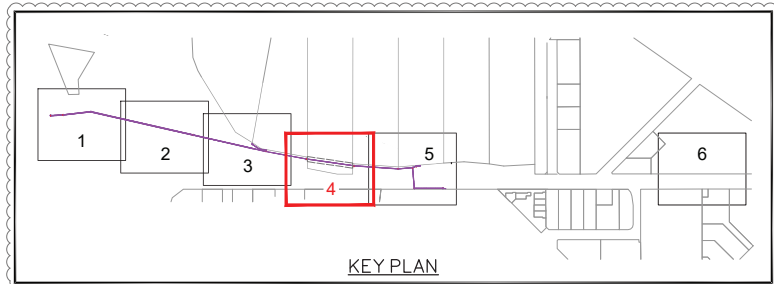
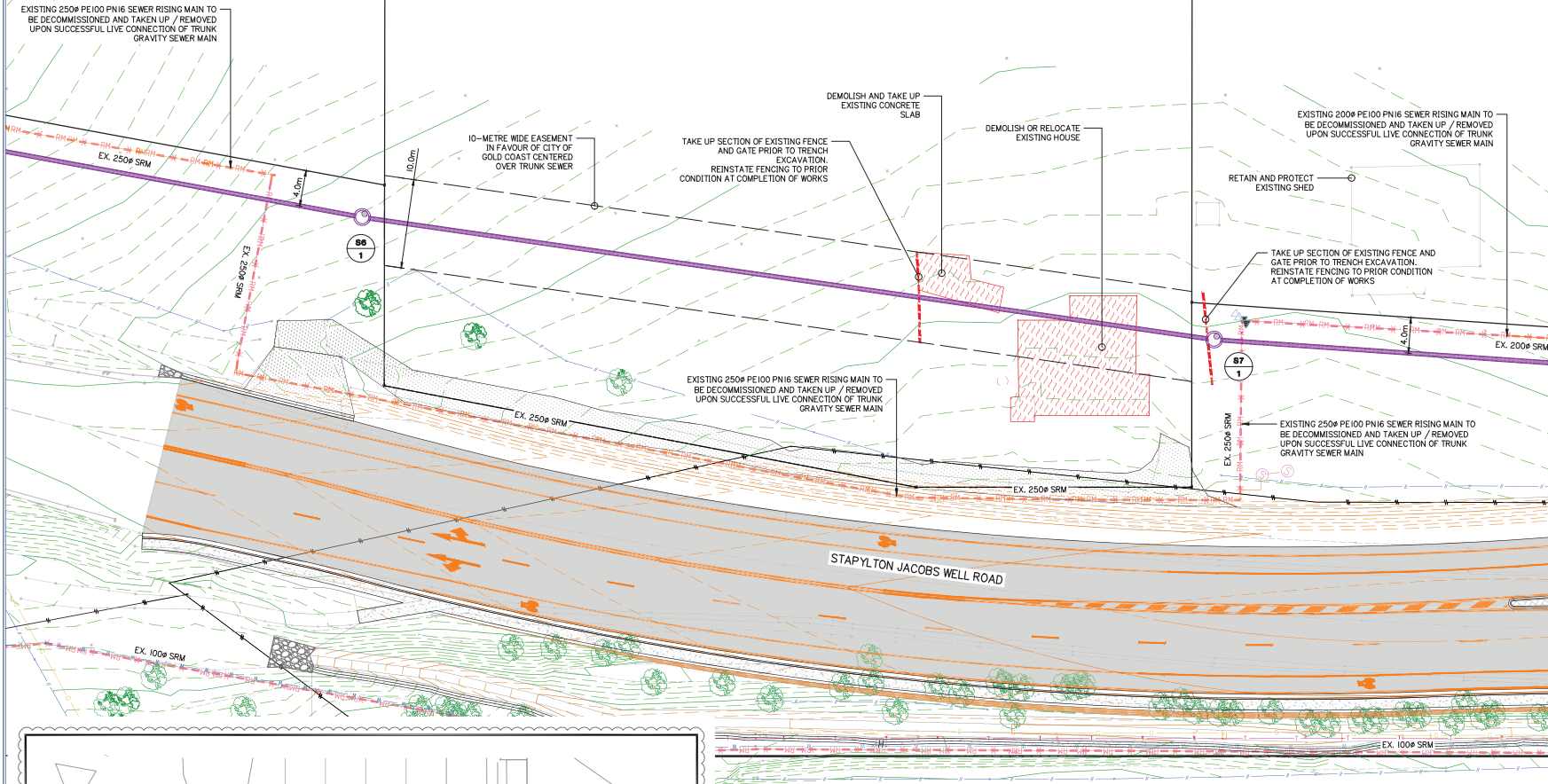
Rev	Date	Description	By	Check
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MG
A	08-05-20	ORIGINAL ISSUE	BA	MG
Issue	Date	Description	By	Check

Scale 1:250 - Lengths are in Metres
0 2 4 6 8 10 12 14 16 18 20

Scale at A1: 1:250

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20

Drawing No: 5941 ENG EXTSEW 020
Rev. No: B



DEMOLITION AND PROTECTION PLAN

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE
LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN
ACCORDANCE WITH SEWERAGE STANDARD DRAWING
SEQ-SEW-1308-I, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

PROPERTY
BOUNDARY
(TYP.)

KEY PLAN



gassman
development
perspectives

planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5451 | www.gassman.com.au
Gold Coast & Logan: 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
SHEET 1 OF 6

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

NOTE:
I. CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.

LIVE WORKS SCHEDULE

[illegible]

TRUNK SEWER PIPE INVERTS	
END OF PIPE CHAINAGE	INVERT LEVEL
0.900	0.529
24.317	0.560
25.817	0.590
79.404	0.661
80.924	0.691

TRUNK SEWER - SETOUT TABLE			
CHARGE	EASTING	NORTHING	INVERT LEVEL
0.000	1504.477	6707.051	0.449
5.000	1508.349	6710.214	0.534
10.000	1512.222	6713.377	0.541
15.000	1516.094	6716.540	0.547
20.000	1519.967	6719.703	0.555
25.000	1523.839	6722.866	0.573
30.000	1527.683	6722.901	
35.000	1527.542	6726.225	0.595
40.000	1531.243	6729.588	0.602
45.000	1534.943	6732.950	0.609
50.000	1538.644	6736.312	0.615
55.000	1542.345	6739.674	0.622
60.000	1546.046	6743.037	0.629
65.000	1549.746	6746.399	0.635
70.000	1553.447	6749.761	0.642
75.000	1557.148	6753.123	0.649
80.000	1560.849	6756.485	0.655
85.000	1564.549	6759.848	0.663
90.000	1568.249	6759.958	0.673
95.000	1571.950	6763.789	0.703
100.000	1575.651	6767.626	0.710
105.000	1579.352	6771.463	0.717
110.000	1583.053	6775.300	0.723
115.000	1586.754	6779.137	0.730
120.000	1590.455	6782.974	0.737
125.000	1594.156	6786.811	0.743
130.000	1597.857	6790.648	0.750
135.000	1601.558	6794.485	0.757
140.000	1605.259	6798.322	0.763
145.000	1608.960	6802.159	0.770
150.000	1612.661	6805.996	0.777

JOINS DWG 594I ENG EXTSEW 60I

Scale 1:250 - Lengths are in Metres.

Scale at A1:

1.250

Designed:	IG
-----------	----

Drafted:	10
----------	----

Approved:	
-----------	--

	MO
DEFO:	

	16
--	----

Signed:	
---------	---

Date:	08
-------	----

Drawing No: _____

Rev. No:

B

MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1309-1, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ DMC CODE VERSION 2 (JULY 2019)

! WARNING ! BEWARE OF EXISTING UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

TRUNK SEWER PIPE INVERTS	
END OF PIPE CHAINAGE	INVERT LEVEL
288.638	0.968
290.138	0.988

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
SHEET 2 OF 6

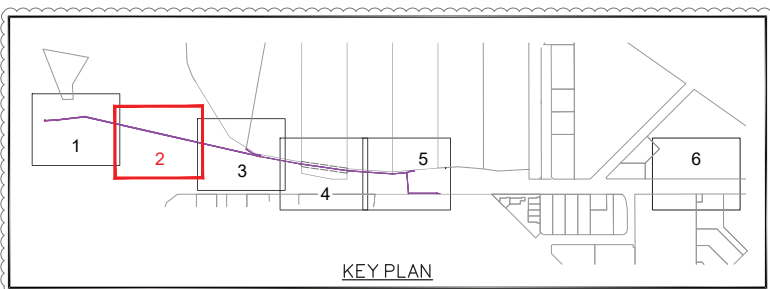
Rev	Date	Description	By	Check
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	MG
A	08-05-20	ORIGINAL ISSUE	BA	MG
Issue	Date	Description	By	Check

Scale 1:250 - Lengths are in Metres

Scale at A1:

1:250

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 601
Rev. No:	B



TRUNK SEWER - SETOUT TABLE			
CHAINAGE	EASTING	NORTHING	INVERT LEVEL
145.000	1624.388	6785.209	0.777
150.000	1628.993	6787.156	0.783
155.000	1633.598	6789.103	0.790
160.000	1638.203	6791.051	0.797
165.000	1642.808	6792.998	0.803
170.000	1647.414	6794.945	0.810
175.000	1652.019	6796.892	0.817
180.000	1656.624	6798.840	0.823
185.000	1661.229	6800.787	0.830
190.000	1665.835	6802.734	0.837
195.000	1670.440	6804.681	0.843
200.000	1675.045	6806.629	0.850
205.000	1679.650	6808.576	0.857
210.000	1684.256	6810.523	0.863
215.000	1688.861	6812.471	0.870
220.000	1693.466	6814.418	0.877
225.000	1698.071	6816.365	0.883
230.000	1702.676	6818.312	0.890
235.000	1707.282	6820.260	0.897
240.000	1711.887	6822.207	0.903
245.000	1716.492	6824.154	0.910
250.000	1721.097	6826.101	0.917
255.000	1725.703	6828.049	0.923
260.000	1730.308	6829.996	0.930
265.000	1734.913	6831.943	0.937
270.000	1739.518	6833.891	0.943
275.000	1744.123	6835.838	0.950
280.000	1748.729	6837.785	0.957
285.000	1753.334	6839.732	0.963
289.378	1757.366	6841.437	-
290.000	1757.939	6841.680	0.986
295.000	1762.544	6843.627	0.995
300.000	1767.150	6845.574	1.001
305.000	1771.755	6847.522	1.008
310.000	1776.360	6849.469	1.015
315.000	1780.965	6851.416	1.021

MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1505-1, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

! WARNING !

BWARE OF EXISTING UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC. OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

CHAINAGE	EASTING	NORTHING	INVERT LEVEL
315.000	1780.965	6851.416	1.021
320.000	1785.570	6853.363	1.028
325.000	1790.176	6855.311	1.035
330.000	1794.781	6857.258	1.041
335.000	1799.386	6859.205	1.048
340.000	1803.991	6861.152	1.055
345.000	1808.597	6863.100	1.061
350.000	1813.202	6865.047	1.068
355.000	1817.807	6866.994	1.075
360.000	1822.412	6868.942	1.081
365.000	1827.018	6870.889	1.088
370.000	1831.623	6872.836	1.095
375.000	1836.228	6874.783	1.101
380.000	1840.833	6876.731	1.108
385.000	1845.438	6878.678	1.115
390.000	1850.044	6880.625	1.121
395.000	1854.649	6882.573	1.128
400.000	1859.254	6884.520	1.135

CHAINAGE	EASTING	NORTHING	INVERT LEVEL
405.000	1863.859	6886.467	1.141
410.000	1868.465	6888.414	1.148
415.000	1873.070	6890.362	1.155
420.000	1877.675	6892.309	1.161
425.000	1882.280	6894.256	1.168
430.000	1886.885	6896.203	1.175
435.000	1891.491	6898.151	1.181
437.725	1894.000	6899.212	1.184
440.000	1896.058	6900.183	1.247
445.000	1900.579	6902.317	1.322
450.000	1905.101	6904.452	1.397
455.000	1909.623	6906.586	1.472
460.000	1914.144	6908.720	1.547
465.000	1918.666	6910.855	1.622
470.000	1923.187	6912.989	1.697
475.000	1927.709	6915.123	1.772
480.000	1932.230	6917.258	1.847
485.000	1936.752	6919.392	1.922

END OF PIPE CHAINAGE	INVERT LEVEL
436.965	1.184
438.475	1.224

LOT 1 SPI1917

LOT 3 SPI39664

CAUTION

EXISTING ELECTRICAL OVERHEAD, POWER POLE AND STAY WIRE IN THIS AREA

EXTENT OF POTHOLING / TRACING INVESTIGATION OF SP PRIVATE SEWER RISING MAIN

E: 1862.447
N: 6895.575
CH: 34.630
DS LL: 1.721
US LL: 1.721

E: 1894.000
N: 6899.212
CH: 2.500
DS LL: 2.200
US LL: 2.035

EXISTING 250mm PE100 PN16 SEWER RISING MAIN TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

RISING MAIN DISCHARGE TO GRAVITY SEWER MANHOLE. REFER SEQ CODE STD DWG SEQ-SPS-1406-1

E: 1894.000
N: 6899.212
CH: 437.725
DS LL: 1.184
US LL: 1.224

PROVIDE 150mm PVC-U CL SN8 GRAVITY SEWER LINE

EXISTING 200mm MILD STEEL SEWER RISING MAIN (AND PRIVATE RISING MAIN) TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

ASSUMED ALIGNMENT AND DEPTH. CONTRACTOR TO CONFIRM EXISTING SERVICE LOCATION PRIOR TO COMMENCEMENT OF WORKS

EXISTING 200mm MILD STEEL SEWER RISING MAIN AND PRIVATE RISING MAIN TO BE DECOMMISSIONED, CAPPED, GROUT FILLED AND ABANDONED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN. ABANDONED SECTION OF MAIN TO REMAIN ON GCW'S AS CONSTRUCTED RECORDS FOR FUTURE REFERENCE BY DTM.

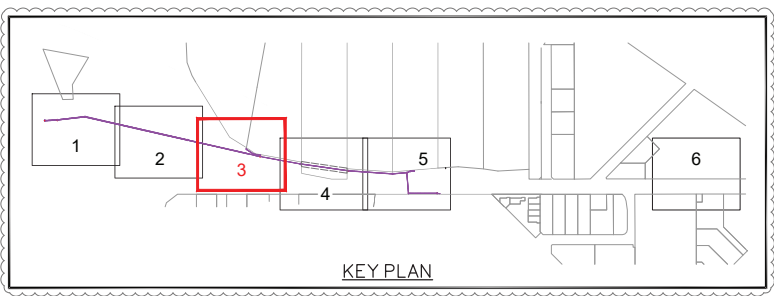
EXISTING 200mm MILD STEEL SEWER RISING MAIN (AND PRIVATE RISING MAIN) TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

NOTE:
CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.

LIVE WORKS SCHEDULE

No.	DESCRIPTION	DIA. SEWER	MH NO	MH/MS TYPE	COVER TYPE	LOT NO	FSL	ESL	IL	DEPTH TO INVERT
(A)	UPON SUCCESSFUL LIVE CONNECTION OF NEW TRUNK GRAVITY SEWER LINE OI, CONTRACTOR IS TO CONNECT EXISTING 100mm DIA. PE PRIVATE SEWER RISING MAIN INTO STRUCTURE SI/2 UNDER GCW'S SUPERVISION AT DEVELOPER'S EXPENSE.	DN150	SI/2	1050 P2	D/C	N/A	5.094	5.094	4.010	1.084m
(B)	CONTRACTOR TO PLUG OUTLET SIDE OF PRIVATE PUMP STATION RECEIVER MANHOLE. SEWAGE FLOWS TO BE INTERCEPTED AND TRANSPORTED TO A LICENSED WASTE FACILITY DURING LIVE CONNECTION PROCESS. EXISTING 100mm PE LINE TO BE CUT AT THE INLET SIDE OF SI/2. A 6m PE PIPE IS TO BE CONNECTED TO THE EXISTING 100mm PRIVATE SEWER RISING MAIN USING AN APPROVED OFF TAKE CLAMP. CONTRACTOR TO BUILD NEW MANHOLE SI/2 AROUND PREVIOUSLY INSTALLED STUB FROM SI/1.									

KEY PLAN



SEWER LAYOUT PLAN SHEET 3 OF 6



gasman development perspectives
1985
planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5441 | www.gasman.com.au
Gold Coast & Logan | 16 Barren Street, Yatala QLD | 10 Box 392, Beerleigh 4207

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapytton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gasman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gasman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
SHEET 3 OF 6

No.	Date	Description	By	Check
1	13.07.20	INFORMATION REQUEST RESPONSE	BA	MA
2	28.05.20	ORIGINAL ISSUE	BA	MA

Scale 1:250 - Lengths are in Metres
0 2 4 6 8 10 12 14 16 18 20

Scale at A1:	1:250
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 602
Rev. No:	B

See Condition 3

MANHOLE COVERS AND SURROUNDS:

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1506-I, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ DMC CODE VERSION 2 (JULY 2019)

TRUNK SEWER - SETOUT TABLE			
CHAINAGE	EASTING	NORTHING	INVERT LEVEL
480.000	1932.230	6917.258	1.847
485.000	1936.752	6919.392	1.922
490.000	1941.274	6921.526	1.996
495.000	1945.795	6923.661	2.071
500.000	1950.317	6925.795	2.146
505.000	1954.838	6927.929	2.221
510.000	1959.360	6930.064	2.296
515.000	1963.881	6932.198	2.371
518.863	1967.374	6933.847	-
520.000	1968.383	6934.373	2.448
525.000	1972.817	6936.683	2.456
530.000	1977.252	6938.993	2.463
535.000	1981.686	6941.303	2.470
540.000	1986.120	6943.614	2.477
545.000	1990.554	6945.924	2.484
550.000	1994.989	6948.234	2.491
555.000	1999.423	6950.544	2.499
560.000	2003.857	6952.855	2.506

TRUNK SEWER - SETOUT TABLE			
CHAINAGE	EASTING	NORTHING	INVERT LEVEL
565.000	2008.291	6955.165	2.513
570.000	2012.726	6957.475	2.520
575.000	2017.160	6959.786	2.527
580.000	2021.594	6962.096	2.534
585.000	2026.028	6964.406	2.542
590.000	2030.463	6966.716	2.549
595.000	2034.897	6969.027	2.556
600.000	2039.331	6971.337	2.563
605.000	2043.765	6973.647	2.570
610.000	2048.200	6975.958	2.577
615.000	2052.634	6978.268	2.584
615.359	2052.952	6978.434	-
620.000	2056.899	6980.876	2.620
625.000	2061.150	6983.508	2.627
630.000	2065.401	6986.139	2.634
635.000	2069.653	6988.771	2.641
640.000	2073.904	6991.402	2.648
645.000	2078.156	6994.034	2.655
650.000	2082.407	6996.666	2.663

TRUNK SEWER PIPE INVERTS	
END OF PIPE CHAINAGE	INVERT LEVEL
518.103	2.418
519.623	2.448
614.599	2.584
616.109	2.614



gassman development perspectives
 planning | environment | landscape | engineering | survey
 T: 3807 3333 | F: 3287 5461 | www.gassman.com.au
 Gold Coast & Logan | 16 Business Street, Yatala QLD 4207 | 10 Bora Street, Beerwah QLD 4207

Client:

FRASERS PROPERTY
 FRASERS PROPERTY (AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
 EXTERNAL TRUNK GRAVITY SEWER
 (City of Gold Coast: Stapylton XGMA21)

Site Address:
 STAPYLTON JACOBS WELL ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

RPD:

Lot: -
 Plan: -
 Local Authority: CITY OF GOLD COAST COUNCIL
 Level Datum: AHD
 Meridian: -
 Contour Interval: -
 PSM: -
 RL: -

ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
 All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
 SHEET 4 OF 6

Rev	Date	Description	Rev	Date	Description
B	13-07-20	INFORMATION REQUEST RESPONSE	BA	13-07-20	INFORMATION REQUEST RESPONSE
A	08-05-20	ORIGINAL ISSUE	AS	08-05-20	ORIGINAL ISSUE
Issue	Date	Description	Issue	Date	Description

Scale 1:250 - Lengths are in Metres
 0 2 4 6 8 10 12 14 16 18 20

Scale at A1:	1:250
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 603
Rev. No:	B

LOT 3 SP139664

LOT 4 WD3607

LOT 5 SP139664

EXISTING 250# PE100 PN16 SEWER RISING MAIN TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

E: 1967.374
 N: 6933.847
 CH: 518.863
 DS IL: 2.418
 US IL: 2.448

PROPERTY BOUNDARY (TYP.)

EXISTING 250# PE100 PN16 SEWER RISING MAIN TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

EXISTING OVERHEAD ELECTRICAL TO BE RELOCATED BY OTHERS

E: 2052.952
 N: 6978.434
 CH: 615.359
 DS IL: 2.584
 US IL: 2.614

EXISTING 200# PE100 PN16 SEWER RISING MAIN TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

RETAIN AND PROTECT EXISTING SHED

EXISTING 250# PE100 PN16 SEWER RISING MAIN TO BE DECOMMISSIONED AND TAKEN UP / REMOVED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

1 in 2 BATTER (TYPICAL)

STAPYLTON JACOBS WELL ROAD

KEY PLAN

! WARNING !
BWARE OF EXISTING UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

SEWER LAYOUT PLAN SHEET 4 OF 6

LIVE WORKS SCHEDULE

No.	DESCRIPTION	DIA. SEWER	MH NO	MH/AS TYPE	COVER TYPE	LOT NO	FSL	ESL	IL	DEPTH TO INVERT
(1A)	UPON SUCCESSFUL LIVE CONNECTION OF NEW TRUNK GRAVITY SEWER LINE 01, CONTRACTOR IS TO CONNECT EXISTING GOWW 200mm DIA. SEWER RISING MAIN INTO STRUCTURE SI/3 UNDER GOWW SUPERVISION AT DEVELOPER'S EXPENSE.	DN150	SI/3	1050 P2	D/C	N/A	5.094	5.094	4.00	1.094m
(1B)	CONTRACTOR TO PLUG OUTLET SIDE OF MANHOLE EX/3. SEWAGE FLOWS TO BE INTERCEPTED AT EX/3 AND TRANSPORTED TO A LICENSED WASTE FACILITY DURING LIVE CONNECTION PROCESS. EXISTING 200mm PE LINE TO BE CUT AT THE INLET SIDE OF SI/3. A 6.0m PVC-M PIPE IS TO BE CONNECTED TO THE EXISTING 200mm SRM USING AN APPROVED OFF TAKE CLAMP. CONTRACTOR TO BUILD NEW MANHOLE SI/3 AROUND PVC-U PIPE AND NEW GRAVITY MAIN INCLUDING BENCHING.	DN150	SI/1	1050 P2	D/C	N/A	7.475	4.873	3.304	4.171m
(2A)	UPON SUCCESSFUL LIVE CONNECTION OF NEW TRUNK GRAVITY SEWER LINE 01, CONTRACTOR IS TO CONNECT EXISTING GOWW 100mm DIA. SEWER RISING MAIN INTO STRUCTURE SI/1 UNDER GOWW SUPERVISION AT DEVELOPER'S EXPENSE.	DN150	SI/1	1050 P2	D/C	N/A	7.475	4.873	3.304	4.171m
(2B)	CONTRACTOR TO PLUG OUTLET SIDE OF MANHOLE EX/3 (REFER DWG 5941 ENG EXTSEW 600). SEWAGE FLOWS TO BE INTERCEPTED AT EX/3 AND TRANSPORTED TO A LICENSED WASTE FACILITY DURING LIVE CONNECTION PROCESS. EXISTING 100mm PVC-U LINE TO BE CUT AT THE INLET SIDE OF SI/1. A 6.0m PVC-M PIPE IS TO BE CONNECTED TO THE EXISTING 100mm SRM USING AN APPROVED OFF TAKE CLAMP. CONTRACTOR TO BUILD NEW MANHOLE SI/1 AROUND PVC-U PIPE AND NEW GRAVITY MAIN INCLUDING BENCHING.	DN150	SI/1	1050 P2	D/C	N/A	7.475	4.873	3.304	4.171m

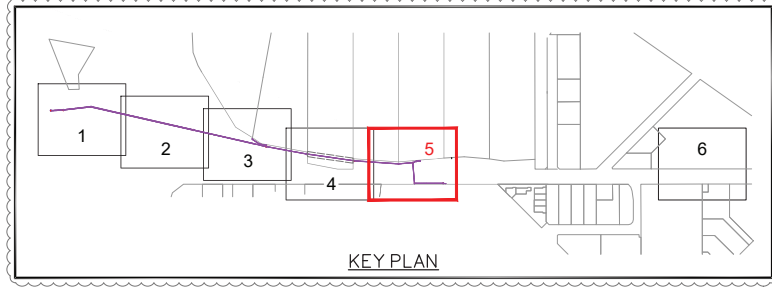
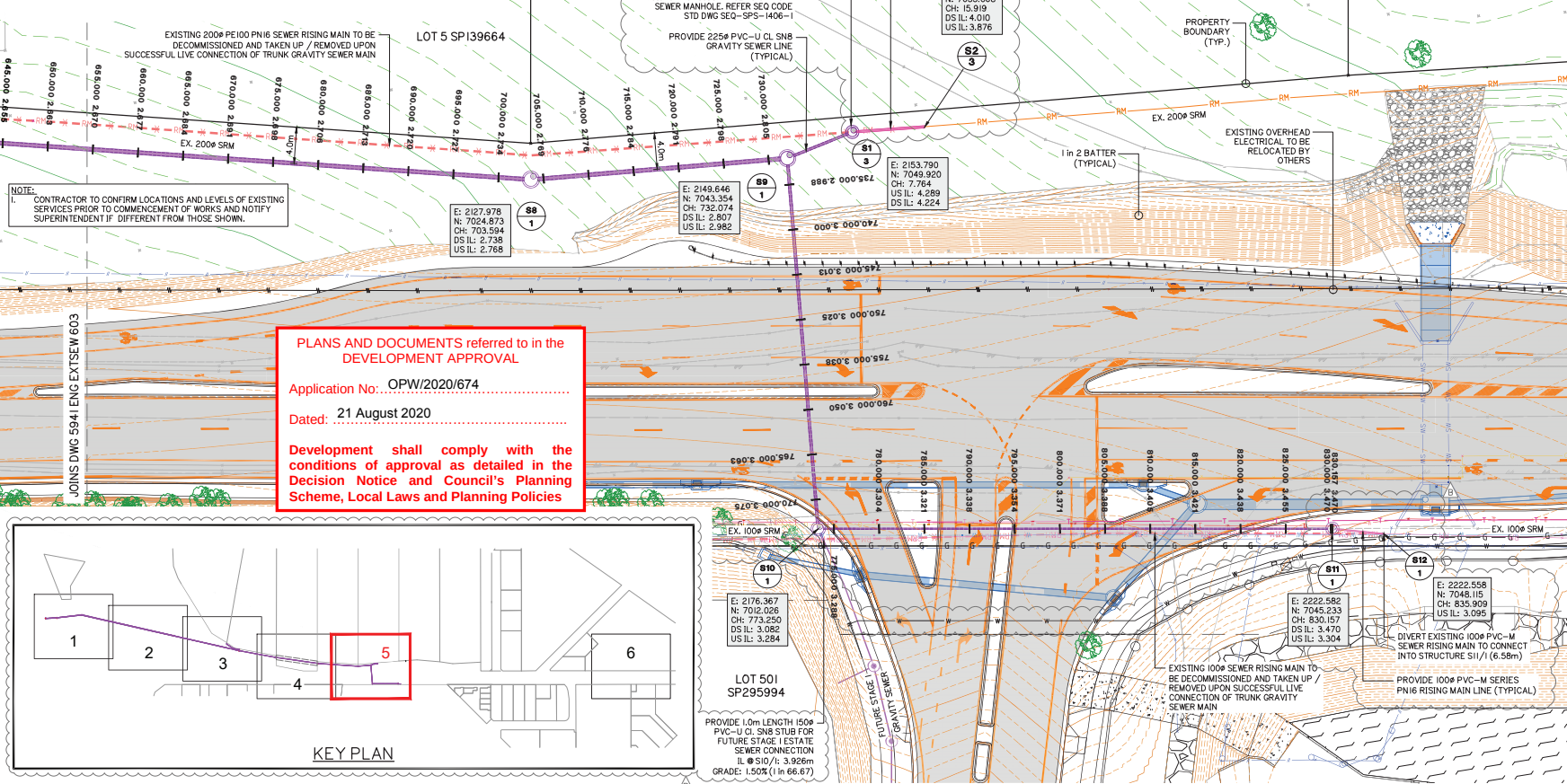
TRUNK SEWER - SETOUT TABLE			
CHAINAGE	EASTING	NORTHING	INVERT LEVEL
645.000	2078.156	6994.034	2.655
650.000	2082.407	6996.666	2.663
655.000	2086.659	6999.297	2.670
660.000	2090.910	7001.929	2.677
665.000	2095.162	7004.560	2.684
670.000	2099.413	7007.192	2.691
675.000	2103.665	7009.823	2.698
680.000	2107.916	7012.455	2.706
685.000	2112.168	7015.086	2.713
690.000	2116.419	7017.718	2.720
695.000	2120.671	7020.349	2.727
700.000	2124.922	7022.981	2.734
703.594	2127.978	7024.873	-
705.000	2129.048	7025.785	2.769
710.000	2132.852	7029.030	2.776
715.000	2136.656	7032.274	2.784
720.000	2140.460	7035.519	2.791
725.000	2144.264	7038.764	2.798
730.000	2148.069	7042.009	2.805
732.074	2149.646	7043.354	-
735.000	2151.543	7041.125	2.988

TRUNK SEWER - SETOUT TABLE			
CHAINAGE	EASTING	NORTHING	INVERT LEVEL
740.000	2154.788	7037.322	3.000
745.000	2158.033	7033.518	3.013
750.000	2161.278	7029.714	3.025
755.000	2164.523	7025.910	3.038
760.000	2167.768	7022.106	3.050
765.000	2171.013	7018.302	3.063
770.000	2174.258	7014.498	3.075
773.250	2176.367	7013.026	3.183
775.000	2177.789	7013.047	3.288
780.000	2181.849	7015.965	3.304
785.000	2185.910	7018.883	3.321
790.000	2189.970	7021.800	3.338
795.000	2194.031	7024.718	3.354
800.000	2198.091	7027.635	3.371
805.000	2202.152	7030.553	3.388
810.000	2206.212	7033.470	3.405
815.000	2210.273	7036.388	3.421
820.000	2214.333	7039.306	3.438
825.000	2218.394	7042.223	3.455
830.000	2222.454	7045.141	3.470
830.157	2222.582	7045.233	3.470

TRUNK SEWER PIPE INVERTS	
END OF PIPE CHAINAGE	INVERT LEVEL
702.834	2.738
704.354	2.768
731.314	2.807
732.834	2.982
772.640	3.082
773.860	3.284
829.642	3.470

MANHOLE COVERS AND SURROUNDS:
INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SW-1308-1, 9, 10, 11.
INTERNAL CORROSION COATINGS TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ DAC CODE VERSION 2 (JULY 2019)

! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED.



SEWER LAYOUT PLAN SHEET 5 OF 6



gassman development perspectives
1985
planning | environment | landscape | engineering | survey
T: 3807 3833 | F: 3287 5441 | www.gassman.com.au
Gold Coast & Logan | 16 Business Street, Yatala QLD 4207 | 10 Box 380, Beerleigh 4207

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:
Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
SHEET 5 OF 6

Rev	Date	Description	Rev	Date	Description
1	13-07-20	INFORMATION REQUEST RESPONSE	1	13-07-20	INFORMATION REQUEST RESPONSE
2	28-05-20	ORIGINAL ISSUE	2	28-05-20	ORIGINAL ISSUE
3	28-05-20	Revised	3	28-05-20	Revised

Scale 1:250 - Lengths are in Metres

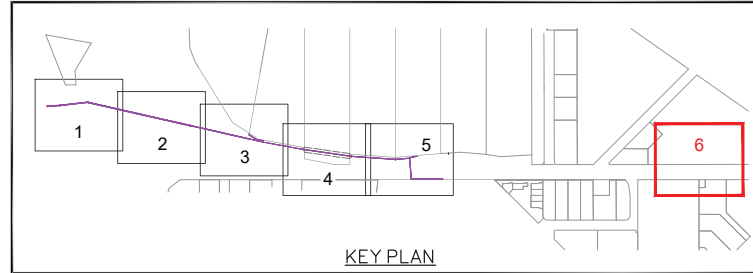
Scale at A1:	1:250
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 604
Rev. No:	B

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No.: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies



! WARNING !
BEWARE OF EXISTING UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN
PHYSICALLY LOCATED WHERE INDICATED. HOWEVER SOME
SERVICES OUTSIDE OF THE EXTENT OF TRUNK SEWER WORKS
ARE INTERPOLATED FROM AERIAL PHOTOGRAMMETRIC DATA
OR KNOWN POSITIONS OF VALVES, ACCESS CHAMBERS ETC.
OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO
RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE
INTERPOLATED INFORMATION SUPPLIED.

LOT 2 SPI49715

STAPYLTON JACOBS WELL ROAD

EXISTING 1500
GRAVITY SEWER

EXISTING 2500
SEWER RISING
MAIN

EXISTING 1000
SEWER RISING
MAIN

EX10
01
LOT 31
SP908695

LOT I2 SPI65593

LOT I SPI08556

LOT 2 SPI15018

SEWER LAYOUT PLAN SHEET 6 OF 6



gassman
development
perspectives
planning | environment | landscape | engineering | survey
T: 3807 3333 | F: 3287 5461 | www.gassman.com.au
Gold Coast & Logan | 16 Business Street, Yatala QLD | 10 Box 392, Beerleigh 4207

Client:

FRASERS
PROPERTY
FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:
Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

© 2012 Gassman Development Perspectives
All rights reserved. No part of this document may be
reproduced or transmitted in any form or by any means,
electronic, mechanical, photocopying, recording, or
otherwise, without the written permission of Gassman
Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LAYOUT PLAN
SHEET 6 OF 6

No.	Date	Description	BA	MD
1	13-07-20	INFORMATION REQUEST RESPONSE	BA	MD
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Scale 1:250 - Lengths are in Metres
0 2 4 6 8 10 12 14 16 18 20

Scale at A1:	1:250
Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	13-07-20
Drawing No:	5941 ENG EXTSEW 605
Rev. No:	A



Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20

Drawing No:
5941 ENG EXTSEW 610

Rev. No:
B



Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:	
Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

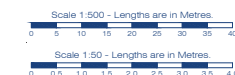
©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LONGITUDINAL
SECTIONS - SHEET 2 OF 4

B	13-07-20	INFORMATION REQUEST RESPONSE			BA MO
A	08-05-20	ORIGINAL ISSUE			IG MO
Topic ID	Date	Description			DRN CH



Scale at A1: 1:500 (H) 1:50 (V)

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20

Drawing No:

5941 ENG EXTSEW 611

Rev. No:

B

MH / MS COVER TYPE
MH / MS TYPE
DS MH / MS DROP TYPE
LINE DEFLECTION & BRANCHES
PE LINING CORROSION PROTECTION?

RIGS STRUCTURE DROPS		RIGS STRUCTURE LIDS	
V	STRAIGHT THROUGH SEWER	B	NON-TRAFFICABLE LID
	SEQ DWG	D	TRAFFICABLE LID
	SEQ-SEW-1303-1	C	COMPOSITE

RIGS STRUCTURE TYPES	
(P2)	FULL CAST IN-SITU MAINTENANCE HOLE WITH CAST IN-SITU BASE. INSTALL CLASS D COMPOSITE LIDS. REFER SEE STD DWG SEQ-SEW-1300-1
(P2) D MH	TYPE (P2) RISING MAIN DISCHARGE TO GRAVITY SEWER MANHOLE IN ACCORDANCE WITH SEE STD DWG SEQ-SPS-1406-1

RIGS GENERAL NOTES

- [illegible]

INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1308-1, 9, 10, 11.

INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)

S5/1

S6/1

REFER SEQ STD DWG SEQ-SEW-1300-1
TYPE (P2) RISING MAIN DISCHARGE TO GRAVITY
SEWER MANHOLE IN ACCORDANCE WITH
SEQ STD DWG SEQ-SPS-1406-1

RIGS GENERAL NOTES

- 1 PE PIPES USED FOR MICROTUNNELING TO BE MINIMUM SDR 9, CLASS PN20 PE100 UNLESS SPECIFIED OTHERWISE.
- 2 ALL PIPES TO BE INSTALLED WITH TRACER WIRE.
- 3 PN20 PE100 PIPES TO BE INTERNAL WHITE WALLED WITH WALL THICKNESS DESIGNED FOR INSTALLATION FORCES.
- 4 BUTT WELDED JOINTS ARE MANDATORY FOR MICROTUNNELING WHERE CONTINUOUS PIPES ON COIL ARE NOT AVAILABLE.
- 5 EMBEDMENT TYPES AS INDICATED ON LONGITUDINAL SECTIONS AND SEQ-SEW-1001-1
- 6 CONTRACTOR TO VERIFY DOWNSIDE EXISTING PIPE LEVELS PRIOR TO COMMENCEMENT OF PIPEWORK.
- 7 POLYETHYLENE (PE) LINING TO BE INSTALLED TO ALL MAINTENANCE STRUCTURES. REFER LONGITUDINAL SECTIONS. REFER ALSO SEQ-SPS-1407-1-A & 2-B
- 8 DESIGN OF DEEP SEWERS GREATER THAN 5 METRES TO BE CARRIED OUT BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER IN ACCORDANCE WITH SEW SEWER CODE CLAUSES 4.6.2.2 AND PE LINING REQUIREMENTS.
- 9 ALL MAINTENANCE HOLES WHERE TRAFFICABLE LIDS ARE SPECIFIED TO BE COMPOSITE LIDS AND FRAMES (NON-CORROSIVE), FOR ALL MANHOLES WHERE INTERNAL PROTECTION COATINGS ARE REQUIRED AS PER CLAUSE 7.6.2(1) TO (6) OF THE SEWERAGE CODE. REFER SEQ CIVL FROM LIST

0.05m

2.554m

0.927m

3.547m

0.35m

0.359m

1.475m

0.10m

20mm DROP

40mm DROP

30mm DROP

ENVELOPER PIPE DIA AS SPEC.

SEWER GRAVITY MAIN (CARRIER PIPE). DIA AS SPEC.

PROPOSED DN560 PE SEWER TO BE INSTALLED BY MICROTUNNELING. PROVIDE DN750 (797mm ID) GRP ENCASED PIPE IN ACCORDANCE WITH SEQ-SEW-1402-1-B. GROUTING OF ENVELOPER PIPE TO BE CONFIRMED BY OTHER IN CONSULTATION WITH GCWW.

EXISTING SEWER RISING MAIN TO BE DECOMMISSIONED UPON SUCCESSFUL LIVE CONNECTION OF TRUNK GRAVITY SEWER MAIN

EXISTING SURFACE LEVEL (BY SURVEY) TYPICAL

EX. WATER (D37.620 TOP RL 5.453 DIA 0.150)

EX. SMO LINE EX. (D) (D33.094 L1.4.225 DIA 0.445)

COMMS-CABLELOC (D370.094 TOP RL 3.248)

EX. PRIVATE SEWER RM (D425.474 L1.2.103 DIA. 0.100 (PE))

EX. SEWER RM (D431.381 TOP RL 2.401 DIA. 0.225)

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No.: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

ENVELOPER PIPE SIZE (mm), CLASS	DN750 (797mm ID) GRP		DN560 PE100 (PN20)		DN450 PE100 (PN20)	
DATUM RL	-6.000					
PROPERTY DESCRIPTION	STATE ROAD CORRIDOR					
PIPE SIZE (mm), CLASS	DN560 PE100 (PN20)					
GRADE (1 IN X)	750		66.67			
PIPE LENGTH (END TO END)	146.847		79.638			
EMBEDMENT TYPE	MICROTUNNELING					
FINISHED (& EXISTING) SURFACE LEVEL	4.653 (5.621)	4.533 (5.521)	3.359 (3.259)	3.907 (6.325)	3.907 (6.325)	3.777 (6.252)
DEPTH OF PIPE INVERT BELOW FSL	4.653 (5.621)	4.533 (5.521)	2.175 (2.035)	3.907 (6.325)	3.907 (6.325)	3.777 (6.252)
PIPE INVERT LEVEL	0.968 (1.043)	0.968 (1.043)	1.184 (1.224)	2.418 (2.448)	2.418 (2.448)	2.418 (2.448)
CHAINAGE	89.378	104.3	104.3	118.6	118.6	118.6

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: OPW/2020/674

Dated: 21 August 2020

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies

LINE

SEWER LONGITUDINAL SECTIONS – SHEET 2 OF 4

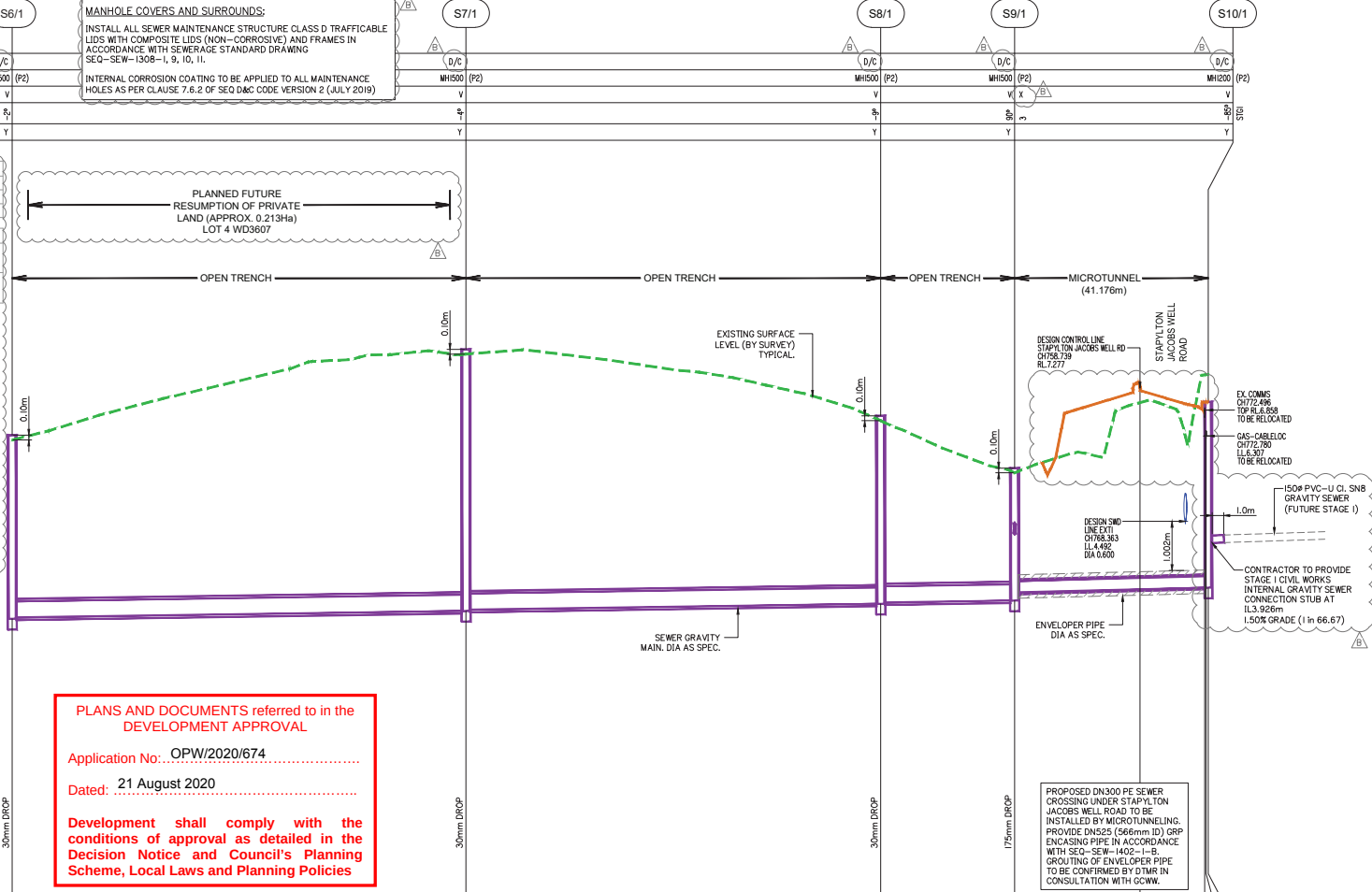
MAINTENANCE HOLE / SHAFT NAME	S6/1	S7/1	S8/1	S9/1	S10/1
MH / MS COVER TYPE	D/C	D/C	D/C	D/C	D/C
MH / MS TYPE	MH500 (P2)	MH500 (P2)	MH500 (P2)	MH500 (P2)	MH200 (P2)
DS MH / MS DROP TYPE					
LINE DEFLECTION & BRANCHES	Y	Y	Y	Y	Y
PE LINING CORROSION PROTECTION?	Y	Y	Y	Y	Y

RIGS STRUCTURE DROPS	RIGS STRUCTURE LIDS
B STRAIGHT THROUGH SEWER SEQ-SEW-1303-1	B NON-TRAFFICABLE LID
C COMPOSITE	C TRAFFICABLE LID
	D COMPOSITE

RIGS STRUCTURE TYPES
(P2) FULL CAST IN-SITU MAINTENANCE HOLE WITH CAST IN-SITU BASE, INSTALL CLASS D COMPOSITE LIDS. REFER SEQ STD DWG SEQ-SEW-1300-1
(P2) D MH TYPE (P2) RISING MAIN DISCHARGE TO GRAVITY SEWER MANHOLE IN ACCORDANCE WITH SEQ STD DWG SEQ-SPS-1406-1

RIGS GENERAL NOTES
1 PE PIPES USED FOR MICROTUNNELING TO BE MINIMUM SDR 9, CLASS PN20 PE100 UNLESS SPECIFIED OTHERWISE.
2 ALL PIPES TO BE INSTALLED WITH TRACER WIRE.
3 PRED PIPES TO BE INTERNAL WHITE WALLED WITH WALL THICKNESS DESIGNED FOR INSTALLATION FORCES.
4 BUTT WELDED JOINTS ARE MANDATORY FOR MICROTUNNELING WHERE CONTINUOUS PIPES ON COIL ARE NOT AVAILABLE.
5 EMBEDMENT TYPES AS INDICATED ON LONGITUDINAL SECTIONS AND SEQ-SEW-1301-1
6 CONTRACTOR TO VERIFY DOWNSTREAM EXISTING PIPE LEVELS PRIOR TO COMMENCEMENT OF PIPEWORK.
7 POLYETHYLENE (PE) LINING TO BE INSTALLED TO ALL MAINTENANCE STRUCTURES. REFER LONGITUDINAL SECTIONS. REFER ALSO SEQ-SPS-1407-1-A & 2-B
8 DESIGN OF DEEP SEWERS GREATER THAN 5 METRES TO BE CARRIED OUT BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER IN ACCORDANCE WITH SEQ SEWER CODE CLAUSE 4.6.2.2 AND PE LINING REQUIREMENTS.
9 ALL MAINTENANCE HOLES WHERE TRAFFICABLE LIDS ARE SPECIFIED TO BE COMPOSITE LIDS AND FRAMES (NON-CORROSIVE). FOR ALL MANHOLES WHERE INTERNAL PROTECTION COATINGS ARE REQUIRED AS PER CLAUSE 7.4.20 TO (V6) OF THE SEWERAGE CLAUSE, REFER SEQ CIVIL IFAM LIST.

MANHOLE COVERS AND SURROUNDS:
INSTALL ALL SEWER MAINTENANCE STRUCTURE CLASS D TRAFFICABLE LIDS WITH COMPOSITE LIDS (NON-CORROSIVE) AND FRAMES IN ACCORDANCE WITH SEWERAGE STANDARD DRAWING SEQ-SEW-1308-1, 9, 10, 11.
INTERNAL CORROSION COATING TO BE APPLIED TO ALL MAINTENANCE HOLES AS PER CLAUSE 7.6.2 OF SEQ D&C CODE VERSION 2 (JULY 2019)



ENVELOPER PIPE SIZE (mm), CLASS

DATUM RL

PROPERTY DESCRIPTION

PIPE SIZE (mm), CLASS

GRADE (1 IN X)

PIPE LENGTH (END TO END)

EMBEDMENT TYPE

FINISHED (& EXISTING) SURFACE LEVEL

DEPTH OF PIPE INVERT BELOW FSL

PIPE INVERT LEVEL

CHAINAGE

LINE

1

SEWER LONGITUDINAL SECTIONS – SHEET 3 OF 4

1

1

1

1

1

1

1

1

1

Client:



Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

RPD:	-
Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

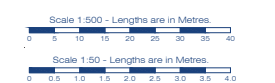
©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER LONGITUDINAL SECTIONS - SHEET 3 OF 4

Rev	Date	Description	Rev	Date	Description
B	13.07.20	INFORMATION REQUEST RESPONSE	BA	13.07.20	
A	08.05.20	ORIGINAL ISSUE	AS	08.05.20	
Issue	Date	Description	Rev	Date	Description



Scale at A1:	1:500 (H) 1:50 (V)
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 612
Rev. No:	B

MAINTENANCE HOLE / SHAFT NAME		S10/1	S11/1	S12/1
MH / MS COVER TYPE	D/C		D/C	-
MH / MS TYPE	MH1000 (P2)		MH1000 (P2) D MH	-
DS MH / MS DROP TYPE	V		-	-
LINE DEFLECTION & BRANCHES	50°		1	-
PE LINING CORROSION PROTECTION?	Y		Y	-

RIGS STRUCTURE DROPS		RIGS STRUCTURE LIDS
V	STRAIGHT THROUGH SEWER SEQ-DWG-1303-1	B NON-Trafficable LID D Trafficable LID C Composite

RIGS STRUCTURE TYPES	
(P2)	FULL CAST IN-SITU MAINTENANCE HOLE WITH CAST IN-SITU BASE, INSTALL CLASS D COMPOSITE LIDS. REFER SEQ STD DWG SEQ-SEW-1300-1
(P2) D MH	TYPE (P2) RISING MAIN DISCHARGE TO GRAVITY SEWER MANHOLE IN ACCORDANCE WITH SEQ STD DWG SEQ-SPS-1406-1

- RIGS GENERAL NOTES**
- PE PIPES USED FOR MICROTUNNELING TO BE MINIMUM SDR 9, CLASS PN20 PE100 UNLESS SPECIFIED OTHERWISE.
 - ALL PIPES TO BE INSTALLED WITH TRACER WIRE.
 - PE100 PE100 PIPES TO BE INTERNAL WHITE WALLED WITH WALL THICKNESS DESIGNED FOR INSTALLATION FORCES.
 - BUTTED JOINTS ARE MANDATORY FOR MICROTUNNELING WHERE CONTINUOUS PIPES ON COLL ARE NOT AVAILABLE.
 - EMBEDMENT TYPES AS INDICATED ON LONGITUDINAL SECTIONS AND SEQ-SEW-1001-1
 - CONTRACTOR TO VERIFY DOWNSTREAM EXISTING PIPE LEVELS PRIOR TO COMMENCEMENT OF PIPEWORK.
 - POLYETHYLENE (PE) LINING TO BE INSTALLED TO ALL MAINTENANCE STRUCTURES. REFER LONGITUDINAL SECTIONS. REFER ALSO SEQ-SPS-1407-1-A & 2-B
 - DESIGN OF DEEP SEWERS GREATER THAN 5 METRES TO BE CARRIED OUT BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER IN ACCORDANCE WITH SEQ SEWER CODE CLAUSE 4.6.2.2 AND PE LINING REQUIREMENTS.
 - ALL MAINTENANCE HOLES WHERE TRAFFICABLE LIDS ARE SPECIFIED TO BE COMPOSITE LIDS AND FRAMES (NON-CORROSIVE), FOR ALL MANHOLES WHERE INTERNAL PROTECTION COATINGS ARE REQUIRED AS PER CLAUSE 7.4.20 TO (40) OF THE SEWERAGE CLAUSE. REFER SEQ CIVIL SPAN LIST.
 - PROVIDE CONCRETE THRUST BLOCKS AT HORIZONTAL AND VERTICAL PIPE BENDS FOR RISING MAIN CONNECTION WORKS FOR PROPOSED LINES 2 AND 3. CONSTRUCT IN ACCORDANCE WITH SEQ CODE STD DWG SEQ-SEW-1000.

DATUM RL	-5.000			
PROPERTY DESCRIPTION	STATE ROAD CORRIDOR			
PIPE SIZE (mm), CLASS	150 uPVC Cl. SN8		100 PVC-M PN16	
GRADE (1 IN X)	300		-23.12	
PIPE LENGTH (END TO END)	55.783		5.177	
EMBEDMENT TYPE	4		4	
FINISHED (& EXISTING) SURFACE LEVEL	7.73.25 3.082 3.284	7.73.25 3.082 3.284	7.73.25 3.082 3.284	7.73.25 3.082 3.284
DEPTH OF PIPE INVERT BELOW FSL	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748
PIPE INVERT LEVEL	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982
CHAINAGE	773.25 794.41 802.89 830.157 835.909	794.41 802.89 830.157 835.909	830.157 835.909	835.909

LINE 1

D/C	D/C	-	-	-
MH1000 (P2)	MH1000 (P2) D MH	END	END	
X	-90°	-23°	-42°	
I	-	-	-	
Y	Y	-	-	

DATUM RL	-3.000			
PROPERTY DESCRIPTION	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR
PIPE SIZE (mm), CLASS	150 uPVC Cl. SN8	110 PE100 SDR21	110 PE100 SDR21	110 PE100 SDR21
GRADE (1 IN X)	100	-100	-100	-100
PIPE LENGTH (END TO END)	1.225	13.607	16.645	1.103
EMBEDMENT TYPE	4	4	4	4
FINISHED (& EXISTING) SURFACE LEVEL	2.5 2.035 0.893	2.5 2.035 0.893	2.5 2.035 0.893	2.5 2.035 0.893
DEPTH OF PIPE INVERT BELOW FSL	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748
PIPE INVERT LEVEL	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982
CHAINAGE	835.909 837.134 850.741 867.348 883.955	850.741 867.348 883.955	883.955 900.562 917.169	917.169

LINE 2

D/C	D/C	-	-	-
MH1000 (P2)	MH1000 (P2) D MH	END	END	
X	-90°	-23°	-42°	
I	-	-	-	
Y	Y	-	-	

DATUM RL	0.000			
PROPERTY DESCRIPTION	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR	STATE ROAD CORRIDOR
PIPE SIZE (mm), CLASS	225 uPVC Cl. SN8	200 PVC-M PN16	200 PVC-M PN16	200 PVC-M PN16
GRADE (1 IN X)	100	-56.922	-56.922	-56.922
PIPE LENGTH (END TO END)	6.489	7.629	7.629	7.629
EMBEDMENT TYPE	4	4	4	4
FINISHED (& EXISTING) SURFACE LEVEL	7.73.25 3.082 3.284	7.73.25 3.082 3.284	7.73.25 3.082 3.284	7.73.25 3.082 3.284
DEPTH OF PIPE INVERT BELOW FSL	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748	3.748 3.748 3.748
PIPE INVERT LEVEL	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982	3.982 3.982 3.982
CHAINAGE	883.955 890.444 897.933 905.422 912.911	890.444 897.933 905.422 912.911	905.422 912.911	912.911

LINE 3

See Condition 3

SEWER LONGITUDINAL SECTIONS – SHEET 4 OF 4

Client:



Project: VANTAGE YATALA
 EXTERNAL TRUNK GRAVITY SEWER
 (City of Gold Coast: Stapyilton XGMA21)
 Site Address:
 STAPYLTON JACOBS WELL
 ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR

RPD:	
Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
 NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
 All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

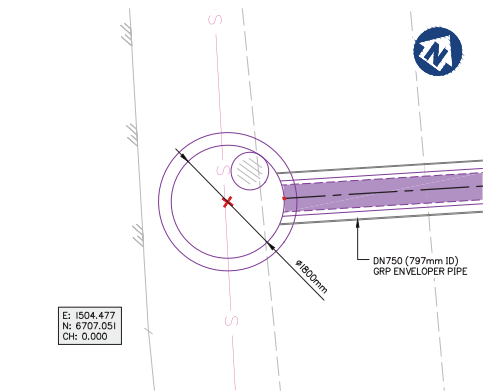
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
 SEWER LONGITUDINAL
 SECTIONS – SHEET 4 OF 4

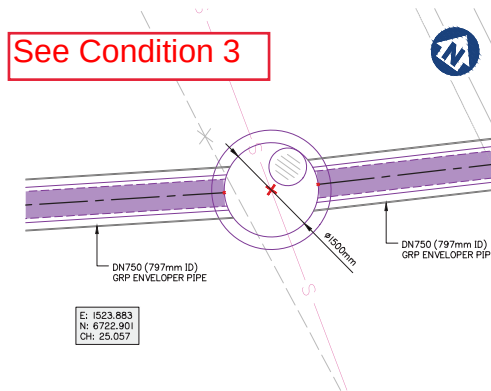
B	13.07.25	INFORMATION REQUEST RESPONSE	BA	13.07.25
A	08.05.25	ORIGINAL ISSUE	AS	08.05.25
Issue	Date	Description	Issue	Date

Scale 1:500 - Lengths are in Metres	0 5 10 15 20 25 30 35 40
Scale 1:50 - Lengths are in Metres	0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0

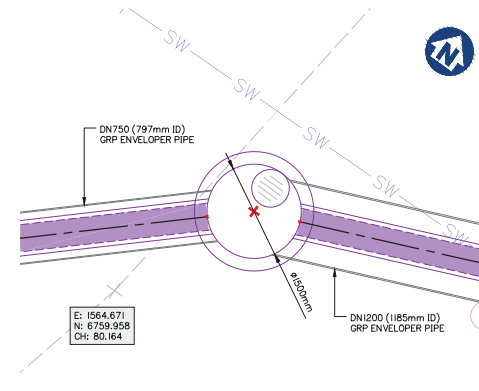
Scale at A1:	1:500 (H) 1:50 (V)
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 613
Rev. No:	B



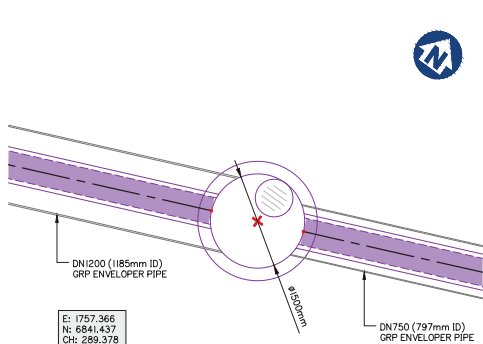
81
1 1800mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



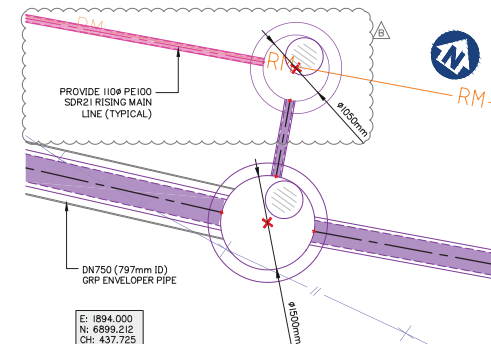
82
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



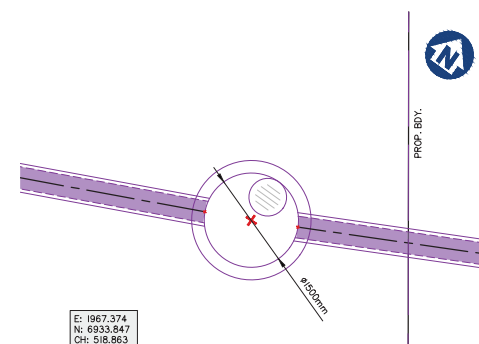
83
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



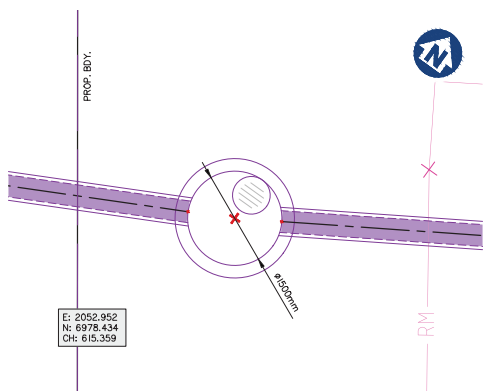
84
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



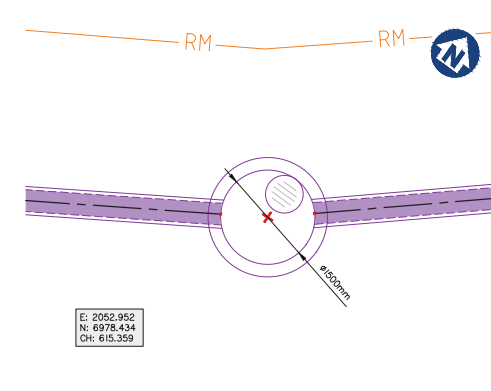
85
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



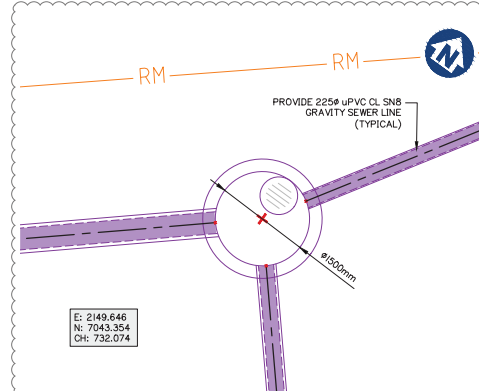
86
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



87
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



88
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)



89
1 1500mm Ø TYPE P2 MAINTENANCE HOLE (CAST IN-SITU)

See Condition 3

Client:

FRASERS PROPERTY
FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapylton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:
Lot: -
Plan: -
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

© 2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
SEWER STRUCTURE
DETAILS - SHEET 1 OF 2

Rev	Date	Description	Rev	Date	Description
1	13-07-20	INFORMATION REQUEST RESPONSE	1	13-07-20	INFORMATION REQUEST RESPONSE
2	13-07-20	ORIGINAL ISSUE	2	13-07-20	ORIGINAL ISSUE
3	13-07-20	DESCRIPTION	3	13-07-20	DESCRIPTION

Scale 1:40 - Lengths are in Metres.

Scale at A1:	1:40
Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No:	5941 ENG EXTSEW 650
Rev. No:	B



See Condition 3



Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project: VANTAGE YATALA
EXTERNAL TRUNK GRAVITY SEWER
(City of Gold Coast: Stapyilton XGMA21)

Site Address:
STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot:	-
Plan:	-
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

©2012 Gassman Development Perspectives
All rights reserved. No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the written permission of Gassman Development Perspectives.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

SEWER STRUCTURE
DETAILS - SHEET 2 OF 2

B	13-07-20	#INFORMATION REQUEST RESPONSE			BA MC
A	08-05-20	ORIGINAL ISSUE			IS MC
Issue	Date	Description			DRN CH

Scale 1:40 - Lengths are in Metres.

Scale at A1: 1:40

Designed:	IG
Drafted:	IG
Approved:	MG
RPEQ:	16939
Signed:	
Date:	08-05-20
Drawing No: 5941 ENG EXTSEW 651	
Rev. No: B	