

CIVIL OPERATIONAL WORKS VANTAGE YATALA - STAGE 1

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DRAWING INDEX		
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DRAWING INDEX		
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STANDARD DRAWINGS			
DRAWING No.	REV.	ASSOCIATION	DRAWING TITLE
DS-010	F	IPWEA	ACCESS CHAMBER – STORMWATER ACCESS CHAMBER DETAILS – 1050 TO 2100 DIA
DS-015	C	IPWEA	ACCESS CHAMBER – MANHOLE FRAME – ROADWAY AND NON ROADWAY – 1050 TO 2100 DIA
DS-018	C	IPWEA	ACCESS CHAMBER – MANHOLE RISER DETAILS
DS-019	C	IPWEA	ACCESS CHAMBER – MANHOLE ROVER (ROADWAY)
DS-020	C	IPWEA	ACCESS CHAMBER – MANHOLE ROVER (NON ROADWAY)
DS-021	C	IPWEA	ACCESS CHAMBER – MANHOLE COVER CONCRETE INFILL (PEDESTRIAN TRAFFIC) 1050 TO 2100 DIA
DS-030	F	IPWEA	EXCAVATION, BEDDING & BACKFILL – RIGID & FLEXIBLE DRAINAGE PIPES
DS-031	D	IPWEA	EXCAVATION, BEDDING & BACKFILL PRECAST – BOX CULVERTS
DS-041	E	IPWEA	SEDIMENT CONTROL – SEDIMENT CONTROL DEVICES – SEDIMENT FENCE, ENTRY/EXIT SEDIMENT TRAP
DS-041	E	IPWEA	SEDIMENT CONTROL – SEDIMENT CONTROL DEVICES – KERB AND FIELD INLET, CHECK DAMS & STRAW BALES
DS-050	E	IPWEA	DRAINAGE PITS – FIELD INLET TYPE 1 AND TYPE 2
DS-061	B	IPWEA	DRAINAGE PITS – KERB INLET – PRECAST LINTEL DETAILS
DS-062	D	IPWEA	DRAINAGE PITS – KERB INLET – GRATE AND FRAME
DS-063	C	IPWEA	DRAINAGE PITS – KERB INLET – LIP IN LINE – GENERAL ARRANGEMENT
DS-065	I	IPWEA	PATHWAYS – CONCRETE PATHWAY CONSTRUCTION DETAILS
DS-073	A	IPWEA	BIORETENTION DRAINAGE PROFILE – TYPE 3 – CONVENTIONAL
DS-075	A	IPWEA	LARGE BIORETENTION SEDIMENT FOREBAY
DS-076	A	IPWEA	BIORETENTION WEIR
DS-078	A	IPWEA	BIORETENTION STANDARD NOTES
GS-041	D	IPWEA	FENCING – CHAIN WIRE SECURITY FENCING
RS-049	E	IPWEA	VEHICLE CROSSING – RESIDENTIAL DRIVEWAYS – PLAN 1 OF 2
RS-050	G	IPWEA	VEHICLE CROSSING – RESIDENTIAL DRIVEWAYS – PLAN 2 OF 2
RS-080	F	IPWEA	KERB AND CHANNEL – PROFILES AND DIMENSIONS – INCLUDING EDGE RESTRAINTS, MEDIAN & CHANNEL
RS-090	J	IPWEA	KERB RAMPS – RAMPED PEDESTRIAN
RS-091	F	IPWEA	KERB RAMPS – RAMPED AND CUT THROUGH TREATMENTS – FOR PEDESTRIAN CROSSINGS, SLIP LANES AND MEDIANS
RS-094	F	IPWEA	KERB RAMPS – LOCATIONS AND CONFIGURATIONS
RS-130	F	IPWEA	ROAD FURNITURE – STREET NAME SIGN AND LOCATION (FINGERBOARD)
RS-131	G	IPWEA	ROAD FURNITURE – TRAFFIC SIGN INSTALLATION DETAILS
RS-140	F	IPWEA	SUBSOIL DRAINS – DETAILS AND LOCATION
RS-142	F	IPWEA	SUBSOIL DRAINS – ACCESS POINTS
SD1033	K	DTMR	KERB AND CHANNEL
SD1304	N	DTMR	PIPE CULVERTS – WINGWALLS, HEADWALLS AND APRON FOR PIPE DIA 750 TO 2400
02-003	2	CoGC	TYPICAL CROSS SECTIONS – COLLECTOR STREETS – PLAN 2 OF 2
02-005	I	CoGC	PUBLIC UTILITY PLANT CORRIDOR ALLOCATIONS IN PUBLIC ROAD VERGES
02-601	I	CoGC	NEW ROADS – SERVICE CONDUIT CROSSINGS
02-602	I	CoGC	ROAD CROSSING – TRENCH RESTORATION – FLEXIBLE PAVEMENTS
03-008	I	CoGC	FIELD INLET AND INTER-ALLOTMENT DRAINAGE PIT
03-101	I	CoGC	STORMWATER ACCESS CHAMBER 1050 DIA TO 1500 DIA
03-102	I	CoGC	STORMWATER ACCESS CHAMBER 1050 DIA TO 1500 DIA ROOF SLABS
03-201	I	CoGC	EXCAVATION AND BEDDING OF CONCRETE STORMWATER PIPES
05-014	I	CoGC	CHAIN WIRE FENCING – 1.8m HIGH
SEQ-SPS-1602-1	C	SEQ	RISING MAIN SCOUR/ DRAIN ARRANGEMENT
SEQ-SPS-1606-1	B	SEQ	AUTOMATIC GAS RELEASE VALVE



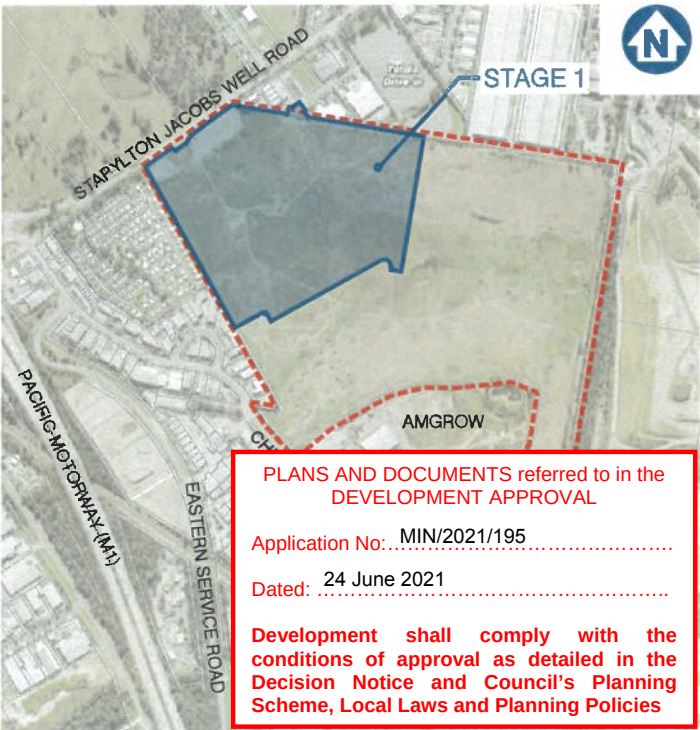
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Gold Coast & Logan | 76 Business Street, Yatala QLD | PO Box 392, Beenleigh 4207



LOCALITY PLAN
SCALE 1: 8000 (A1)

CLIENT



FRASERS
PROPERTY

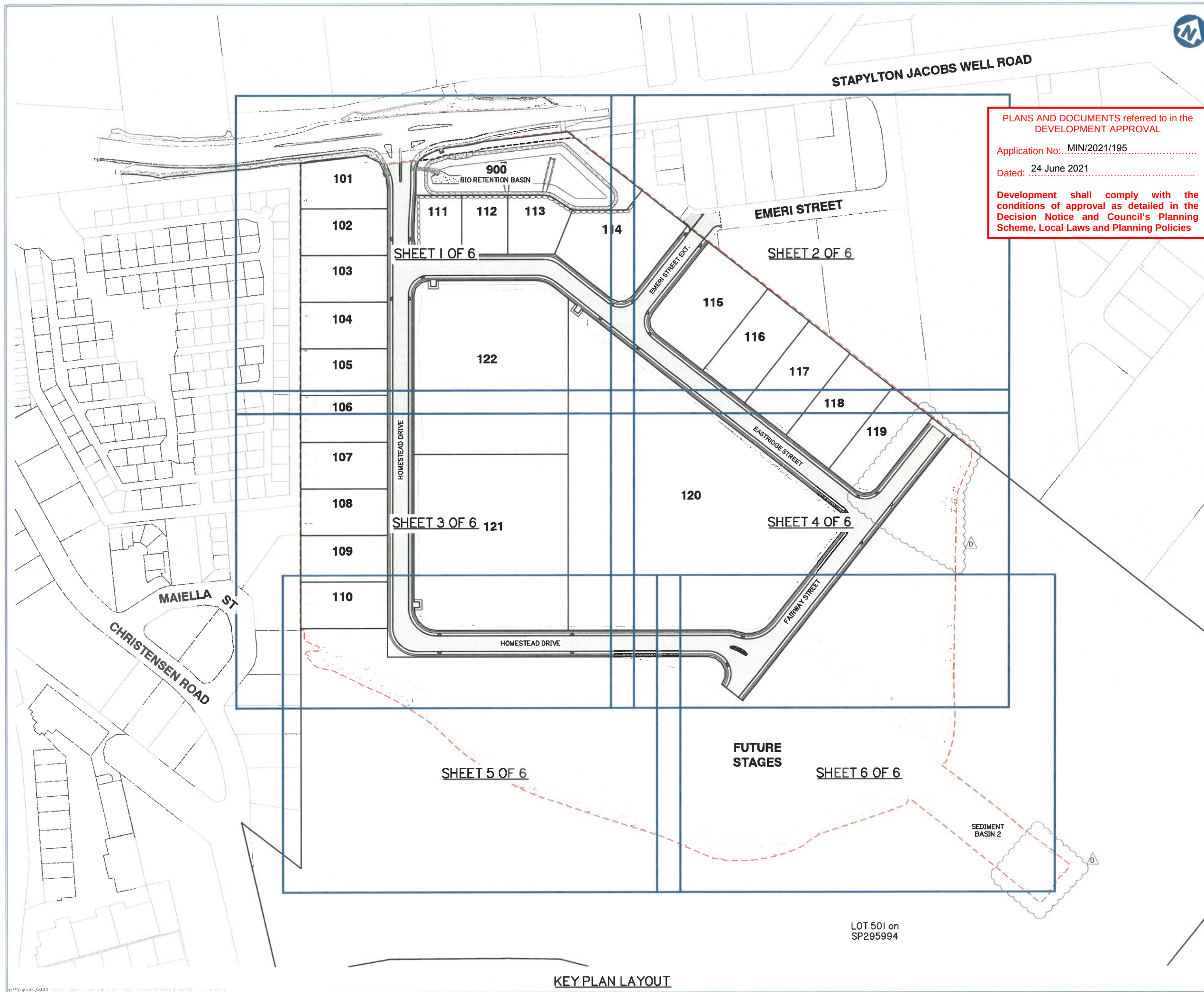
FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

SITE ADDRESS

60 STAPYLTON JACOBS WELL ROAD
STAPYLTON QLD 4207

DWG No. 594I ENG OPWI 001 – REV H

APRIL 2021



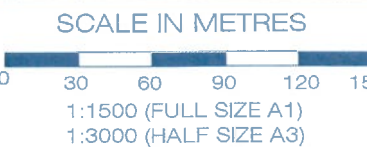
PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

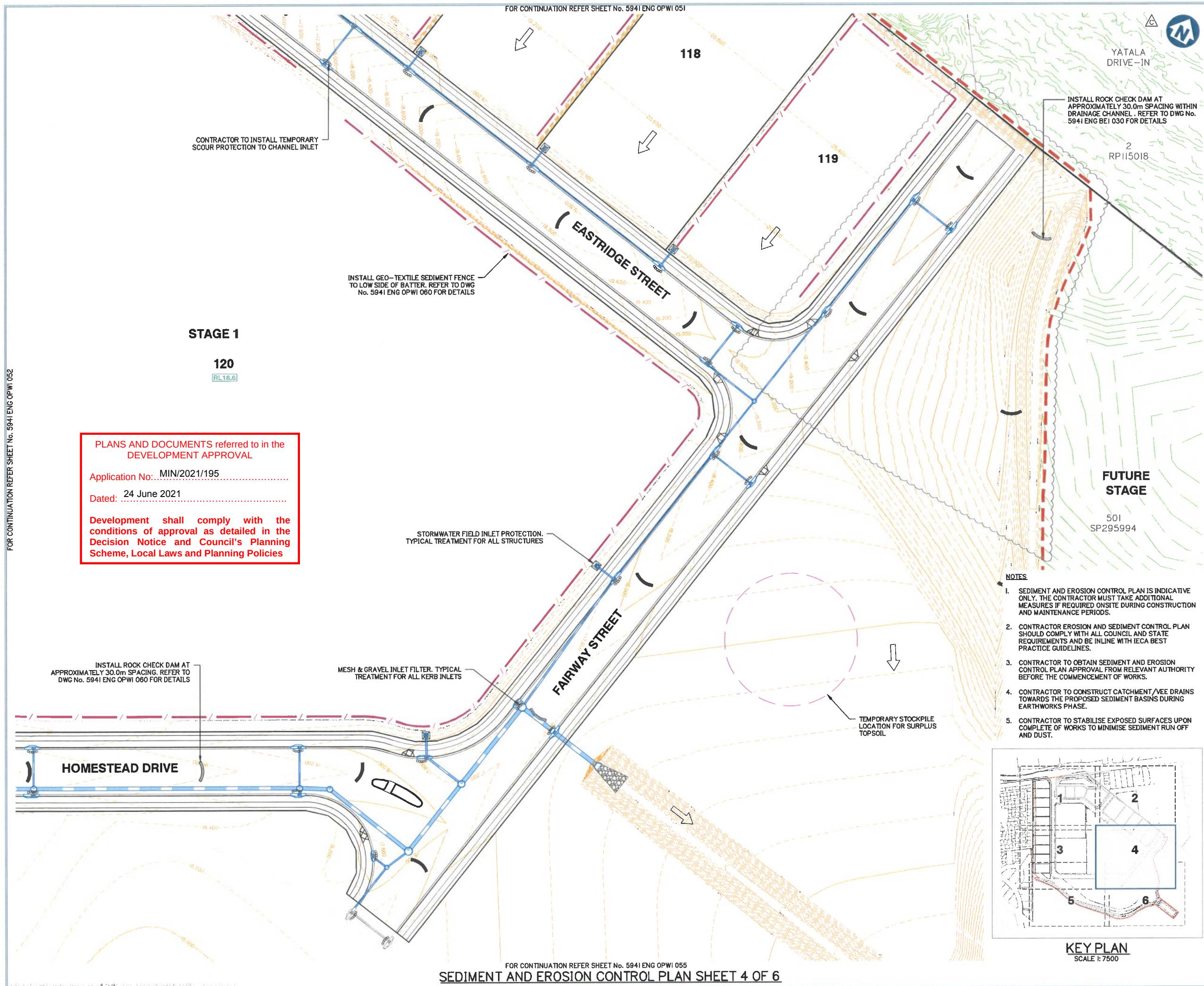
Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
Scheme, Local Laws and Planning Policies

Issue No	Date	Description	Design	Check
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
O	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
R	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG



Scale at A1:	1:1500
Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

FOR CONTINUATION REFER SHEET No. 5941 ENG OPW1 052



Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

ISSUED FOR APPROVAL
NOT FOR CONSTRUCTION

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ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
SEDIMENT AND
EROSION CONTROL
PLAN SHEET 4 OF 6

Issue	Date	Description	Drawn	CHK
1	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
2	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
3	02-06-2021	MINOR CHANGE TO STAGE 1	BA	MG
4	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
5	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

0 10 20 30 40 50
1:500 (FULL SIZE A1)
1:1000 (HALF SIZE A3)

Scale at A1: 1:500

Designed: IG

Drafted: BA

Approved: MG

RPEQ: 16939

Signed:

Date: 27-04-2021

Drawing No:
5941 ENG OPW1 053

Rev. No:
D



NOTE:
STORMWATER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG OPW1 400 TO 5941 ENG OPW1 403
SEWER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG OPW1 600 TO 5941 ENG OPW1 603
WATER INFORMATION AND DETAILS REFER TO SHEET
5941 ENG OPW1 700 TO 5941 ENG OPW1 703

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN
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. ENSURE ALL
SERVICES ARE ACCURATELY LOCATED PRIOR TO
COMMENCEMENT OF WORK.



KEY PLAN
SCALE 1:7500

YATALA
DRIVE-IN
2
RP115018

EMERI STREET

20
SP103405

10
RP893410

116

117

118

119

EASTRIDGE STREET

FAIRWAY STREET

114

115

120

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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

FOR CONTINUATION REFER SHEET No.5941 ENG OPW1 302

OVERALL SERVICES LAYOUT PLAN SHEET 2 OF 4

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Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE

OVERALL SERVICES LAYOUT
PLAN SHEET 2 OF 4

Issue	Date	Description	DRN	CHK
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B	12-08-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

0 10 20 30 40 50
1:500 (FULL SIZE A1)
1:1000 (HALF SIZE A3)

Scale at A1: 1:500

Designed: IG

Drafted: BA

Approved: MG

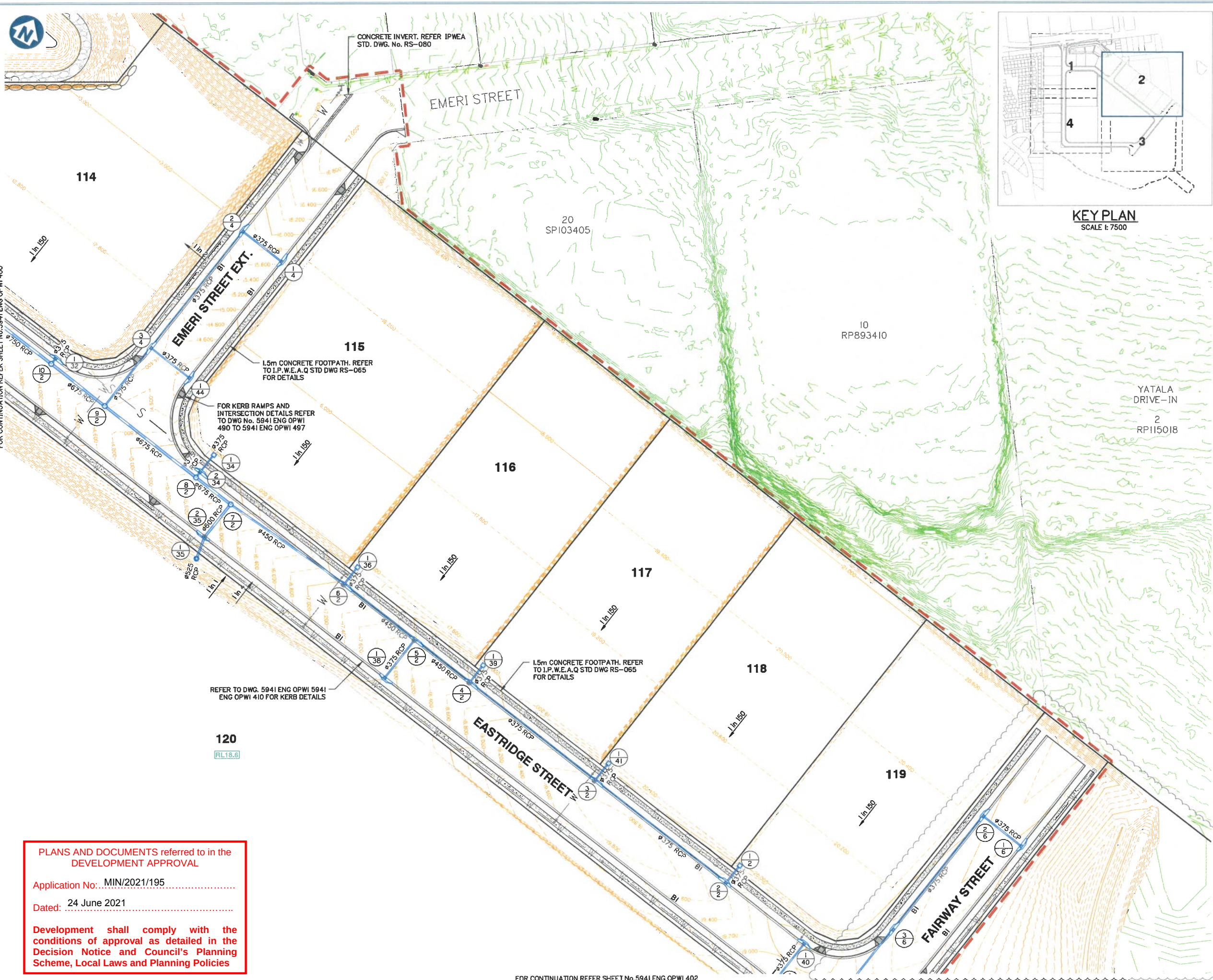
RPEQ: 16939

Signed:

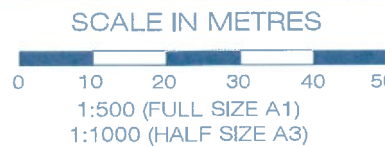
Date: 27-04-2021

Drawing No:
5941 ENG OPW1 301

Rev. No:
D



Issue	Date	Description	Design	Check
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IS	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
C	02-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	09-05-2020	ORIGINAL ISSUE	BA	MG



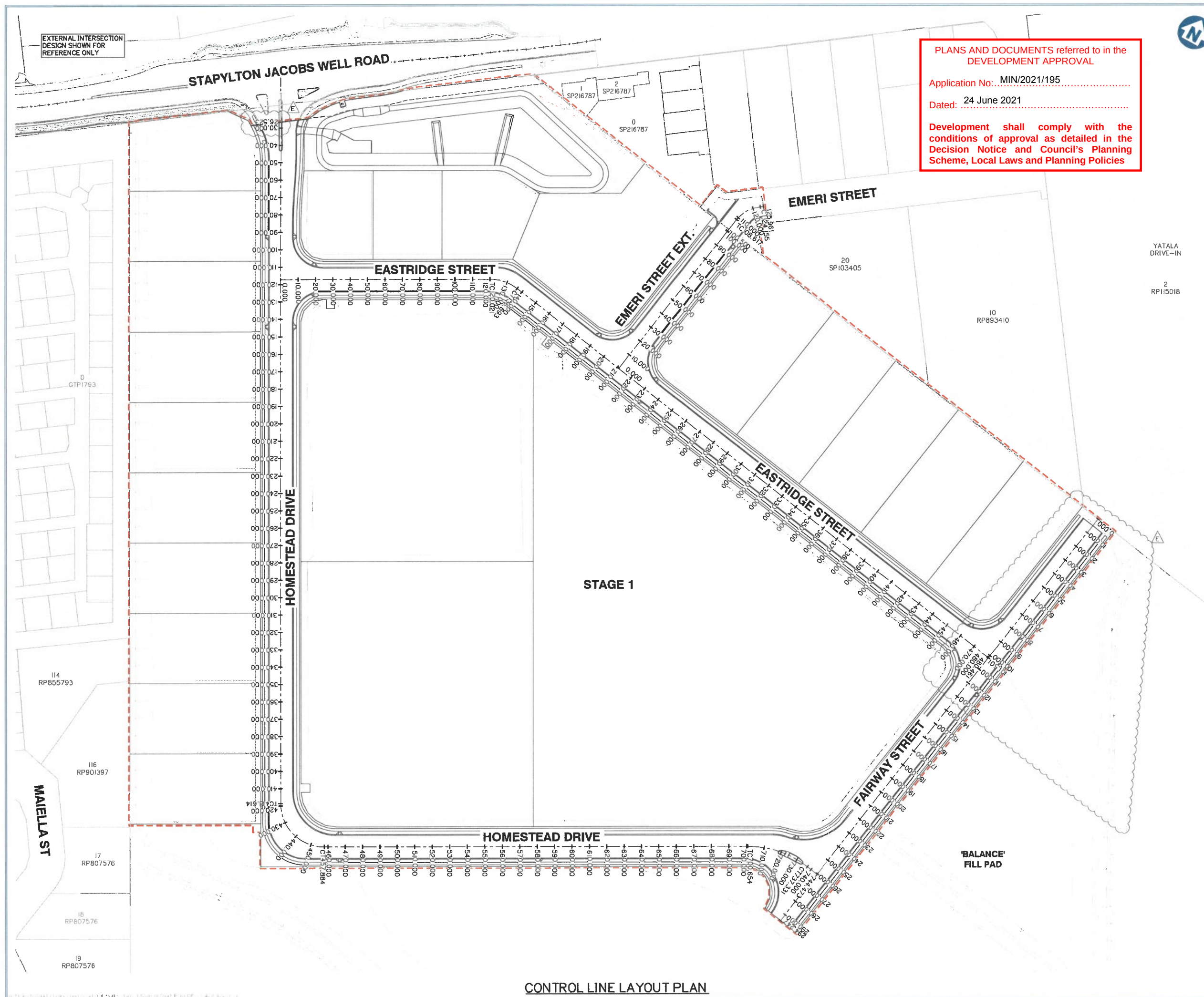
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Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021
Drawing No:	5941 ENG OPW1 401
Rev. No:	D

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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:



Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE

CONTROL LINE LAYOUT
PLAN

Rev	Date	Description	BA	MG	CHK
B	22-08-2021	AMENDMENT TO BRIDGE STREET DESIGN	BA	MG	
C	28-10-2021	ISSUED FOR CONSTRUCTION	BA	MG	
G	02-09-2021	MINOR CHANGE TO STAGE 1	BA	MG	
B	12-06-2021	INFORMATION REQUEST RESPONSE	BA	MG	
A	09-06-2021	ORIGINAL ISSUE	BA	MG	

SCALE IN METRES

0 20 40 60 80 100

1:1000 (FULL SIZE A1)
1:2000 (HALF SIZE A3)

Scale at A1: 1:1000

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No: 5941 ENG OPW1 420 Rev. No: E

CONTROL LINE LAYOUT PLAN

D

EASTRIDGE STREET – CONTROL LINE SETOUT TABLE								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	LENGTH	DEFLANGE
JP 1	0.000	2243.127	6934.892	11.072	61°00'44.11"			
	10.000	2251.874	6939.738	10.928	61°00'44.11"			
	20.000	2260.622	6944.584	10.805	61°00'44.11"			
	30.000	2269.359	6949.430	10.810	61°00'44.11"			
	40.000	2278.116	6954.276	10.879	61°00'44.11"			
	50.000	2286.863	6959.123	10.948	61°00'44.11"			
	60.000	2295.611	6963.969	11.018	61°00'44.11"			
	70.000	2304.358	6968.815	11.087	61°00'44.11"			
	80.000	2313.105	6973.661	11.191	61°00'44.11"			
	90.000	2321.852	6978.508	11.345	61°00'44.11"			
	100.000	2330.599	6983.354	11.550	61°00'44.11"			
	110.000	2339.347	6988.200	11.807	61°00'44.11"			
	120.000	2348.094	6993.046	12.102	61°00'44.11"			
TC	120.021	2348.113	6993.057	12.103	61°00'44.11"			
IP 2	128.357	2355.687	6997.253	12.351		R = 25.000	16.672	38°12'31.40"
	130.000	2357.564	6996.046	12.400	83°52'53.88"			
CT	136.693	2364.234	6995.865	12.599	99°13'15.51"			
	140.000	2367.498	6995.336	12.698	99°13'15.51"			
	150.000	2377.369	6993.733	12.996	99°13'15.51"			
	160.000	2387.240	6992.131	13.294	99°13'15.51"			
	170.000	2397.111	6990.528	13.592	99°13'15.51"			
	180.000	2406.982	6988.926	13.890	99°13'15.51"			
	190.000	2416.852	6987.323	14.189	99°13'15.51"			
	200.000	2426.723	6985.721	14.487	99°13'15.51"			
	210.000	2436.594	6984.119	14.787	99°13'15.51"			
	220.000	2446.465	6982.516	15.087	99°13'15.51"			
	230.000	2456.335	6980.914	15.391	99°13'15.51"			
	240.000	2466.206	6979.311	15.700	99°13'15.51"			
	250.000	2476.077	6977.709	16.014	99°13'15.51"			
	260.000	2485.948	6976.106	16.331	99°13'15.51"			
	270.000	2495.819	6974.504	16.647	99°13'15.51"			
	280.000	2505.689	6972.902	16.964	99°13'15.51"			
	290.000	2515.560	6971.299	17.280	99°13'15.51"			
	300.000	2525.431	6969.697	17.597	99°13'15.51"			
	310.000	2535.302	6968.094	17.913	99°13'15.51"			
	320.000	2545.172	6966.492	18.230	99°13'15.51"			
	330.000	2555.043	6964.889	18.547	99°13'15.51"			
	340.000	2564.914	6963.287	18.863	99°13'15.51"			
	350.000	2574.785	6961.685	19.180	99°13'15.51"			
	360.000	2584.656	6960.082	19.471	99°13'15.51"			
	370.000	2594.526	6958.480	19.692	99°13'15.51"			
	380.000	2604.397	6956.877	19.843	99°13'15.51"			
	390.000	2614.268	6955.275	19.924	99°13'15.51"			
	400.000	2624.139	6953.672	19.934	99°13'15.51"			
	410.000	2634.009	6952.070	19.873	99°13'15.51"			
	420.000	2643.880	6950.468	19.743	99°13'15.51"			
	430.000	2653.751	6948.865	19.542	99°13'15.51"			
	440.000	2663.622	6947.263	19.274	99°13'15.51"			
	450.000	2673.493	6945.660	19.035	99°13'15.51"			
	460.000	2683.363	6944.058	19.012	99°13'15.51"			
	470.000	2693.234	6942.455	19.084	99°13'15.51"			
	480.000	2703.105	6940.853	19.156	99°13'15.51"			
IP 3	480.461	2703.560	6940.779	19.160	99°13'15.51"			

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

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



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD

VANTAGE YATALA STAGE 1

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

Lot:	501
Plan:	SP295994
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

ISSUED FOR APPROVAL
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ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

ROAD CONTROL LINE SETOUT
TABLES SHEET 1 OF 2[illegible]

SCALE IN METRES

NOT APPLICABLE

Scale at A1: NOT APPLICABLE

Designed:	IG
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Drafted:	BA
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Approved:	M
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RPEQ:	16939
Signed:	

Date:	27-04-2021
-------	------------

Drawing No:
5941 ENG OPW1 421

Rev. No:

D

EMERI STREET EXTENSION – CONTROL LINE SETOUT TABLE								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	2437.631	6983.950		9°13'15.46"			
	10.000	2439.234	6993.821	14.689	9°13'15.46"			
	20.000	2440.836	7003.692	14.560	9°13'15.46"			
	30.000	2442.438	7013.562	14.524	9°13'15.46"			
	40.000	2444.041	7023.433	14.799	9°13'15.46"			
	50.000	2445.643	7033.304	15.166	9°13'15.46"			
	60.000	2447.246	7043.175	15.534	9°13'15.46"			
	70.000	2448.848	7053.046	15.902	9°13'15.46"			
	80.000	2450.451	7062.916	16.270	9°13'15.46"			
	90.000	2452.053	7072.787	16.637	9°13'15.46"			
	100.000	2453.655	7082.658	16.922	9°13'15.46"			
IP 2	100.500	2453.735	7083.151	16.931				
TC	108.617	2455.036	7091.164	17.010	9°13'18.14"			
	110.000	2455.305	7092.520	17.010	13°10'58.86"			
IP 3	116.386	2456.348	7099.243	16.964		R = 20.000	15.538	44°30'49.22"
	120.000	2459.875	7101.297	16.902	41°49'51.26"			
CT	124.155	2462.948	7104.085	16.800	53°44'07.36"			
IP 4	125.961	2464.403	7105.153	16.745	53°44'07.36"			

Drawing No:	Rev. No:
5941 ENG OPW1 422	D

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

Application No: MIN/2021/195

Dated: 24 June 2021

**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
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE
ROAD LONGITUDINAL
SECTION - FAIRWAY STREET
SHEET 1 OF 2

Issue	Date	Description	DRN	CHK
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-04-2021	ISSUED FOR CONSTRUCTION	BA	MG
V	02-05-2021	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2021	INFORMATION REQUEST RESPONSE	BA	MG
A	01-06-2021	ORIGINAL ISSUE	BA	MG

SCALE IN METRES



Scale at A1: AS SHOWN

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

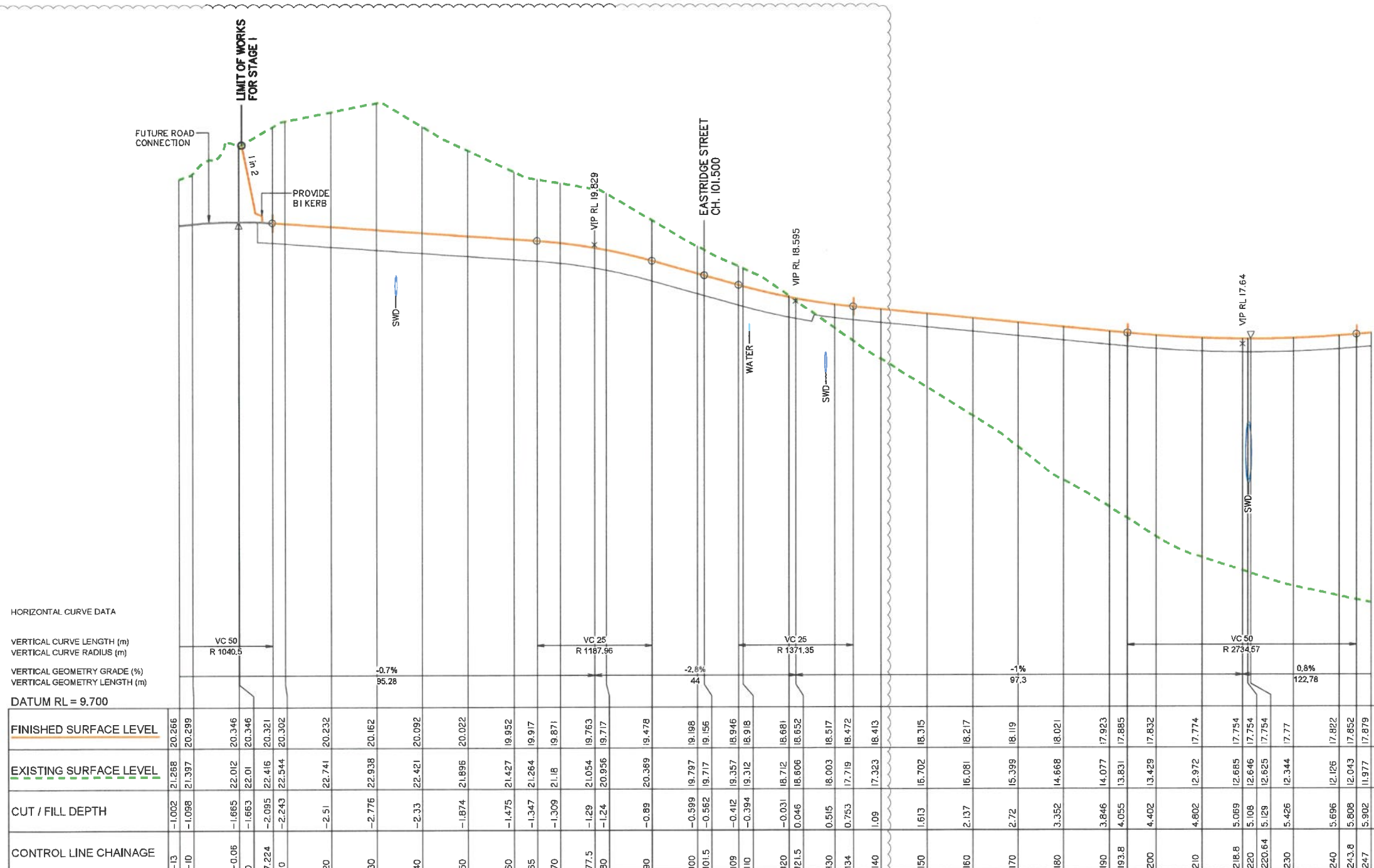
Drawing No: 5941 ENG OPW1 435 Rev. No: D

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

Development shall comply with the
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LONGITUDINAL SECTION - FAIRWAY STREET - SHEET 1 OF 2

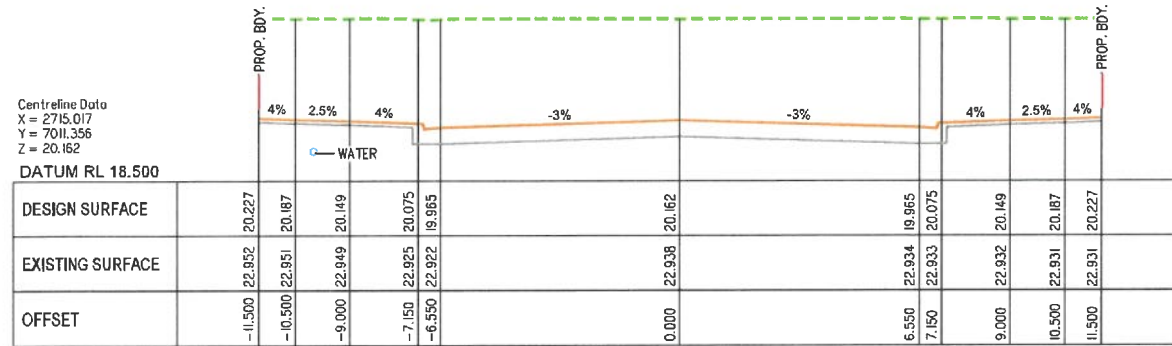
ROAD LONGITUDINAL SECTION - FAIRWAY STREET SHEET 1 OF 2

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

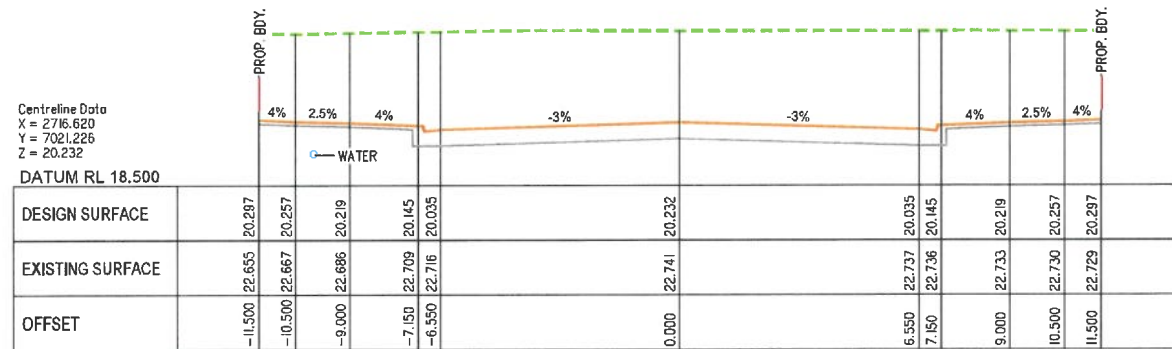
Application No: MIN/2021/195

Dated: 24 June 2021

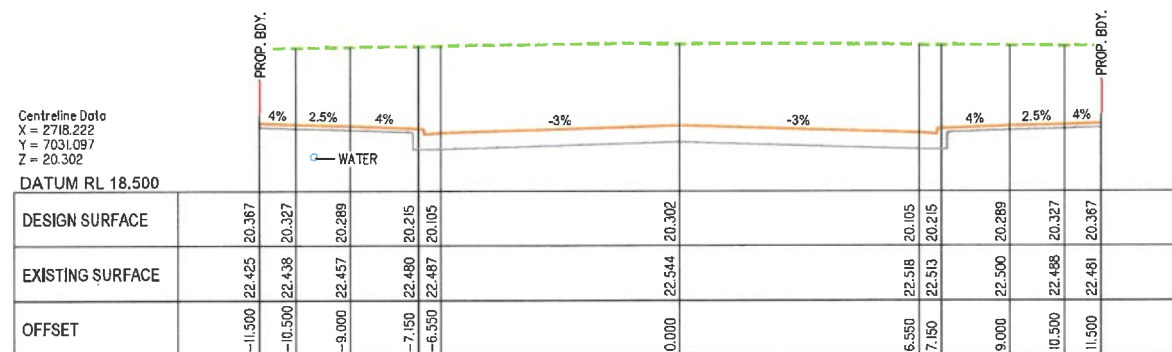
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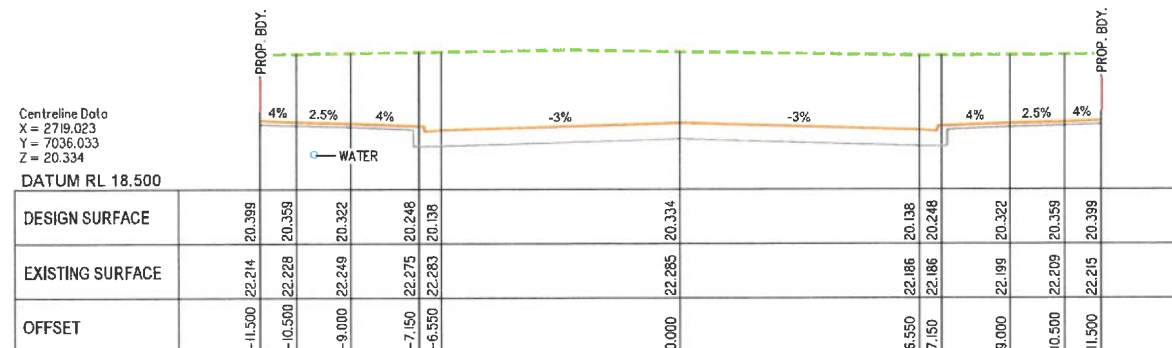
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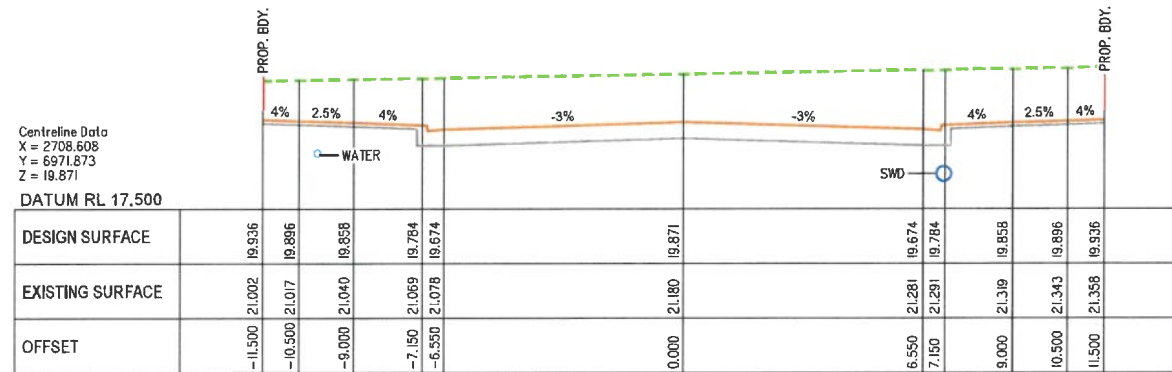
CHAINAGE 20



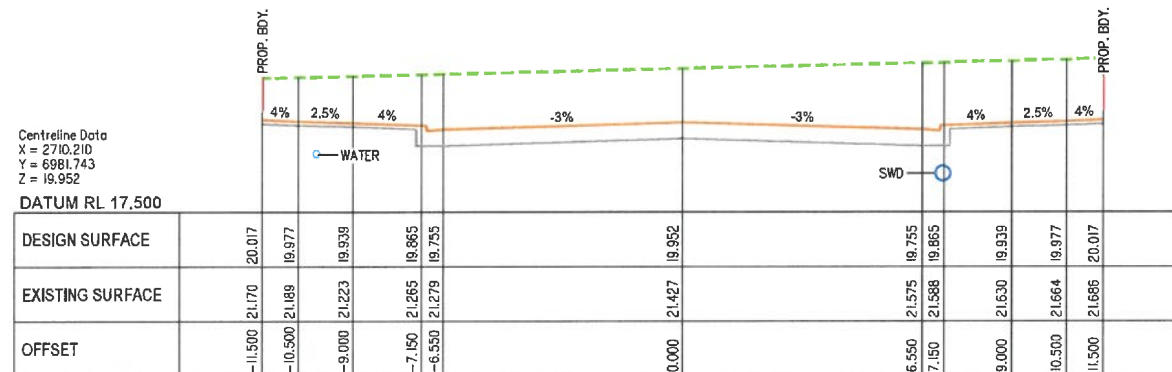
CHAINAGE 10



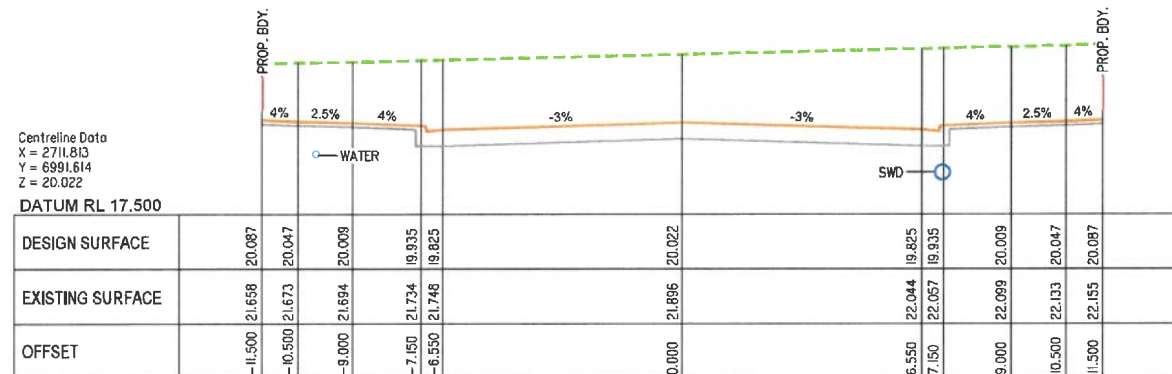
CHAINAGE 5



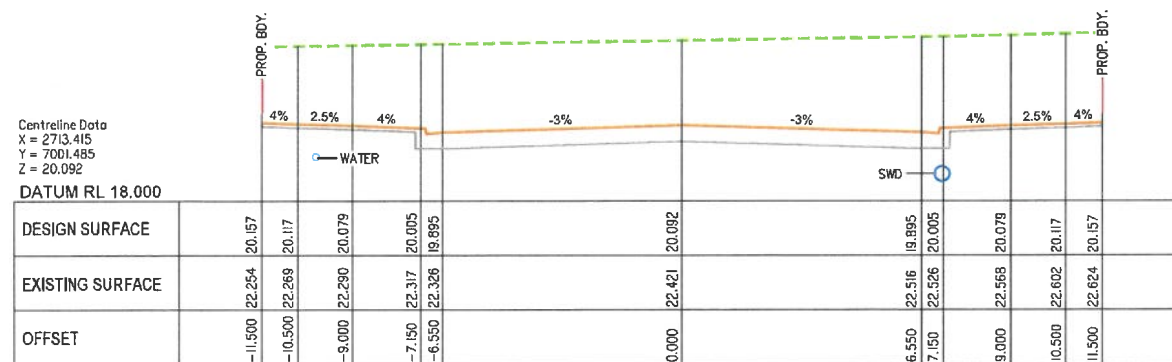
CHAINAGE 70



CHAINAGE 60



CHAINAGE 50



CHAINAGE 40

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
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RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE
ROAD CROSS SECTIONS
- FAIRWAY STREET
SHEET 1 OF 6

Issue	Date	Description	Drawn	Check
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	YS	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
O	02-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
A	12-02-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

Scale 1:100 - Lengths are in Metres.

Scale at A1: 1:100

Designed: IG

Drafted: BA

Approved: MG

RPEQ: 16939

Signed:

Date: 27-04-2021

Drawing No: 5941 ENG OPW1 472

Rev. No: D

Client:



Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
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RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
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Level Datum: AHD
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DRAWING TITLE
ROAD CROSS SECTIONS
- FAIRWAY STREET
SHEET 2 OF 6

Rev.	Date	Description	Drawn	Checked
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IS	MIS
C	24-06-2021	ISSUED FOR CONSTRUCTION	BA	MIS
O	03-09-2020	MINOR CHANGE TO STAGE 1	BA	MIS
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MIS
A	21-05-2020	ORIGINAL ISSUE	BA	MIS

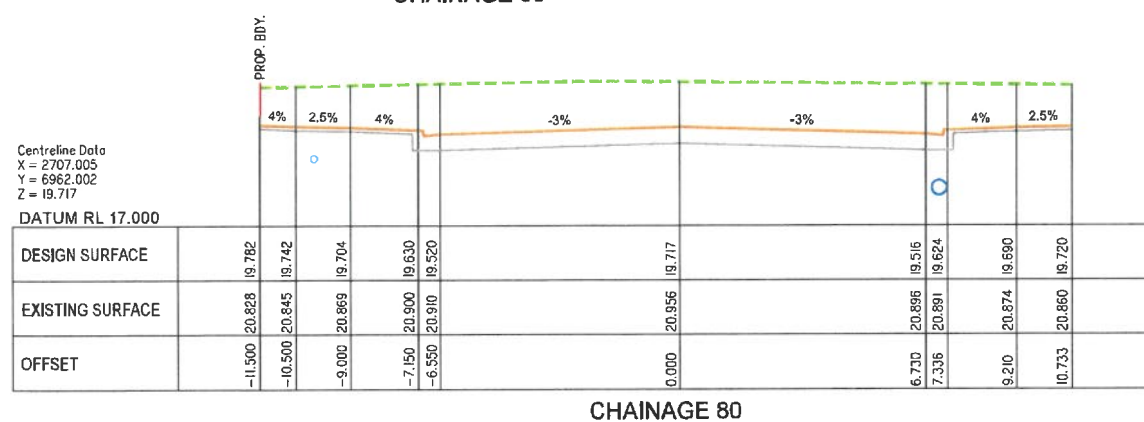
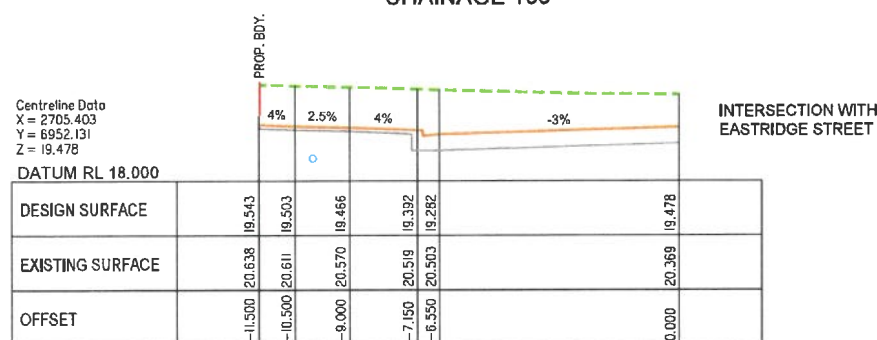
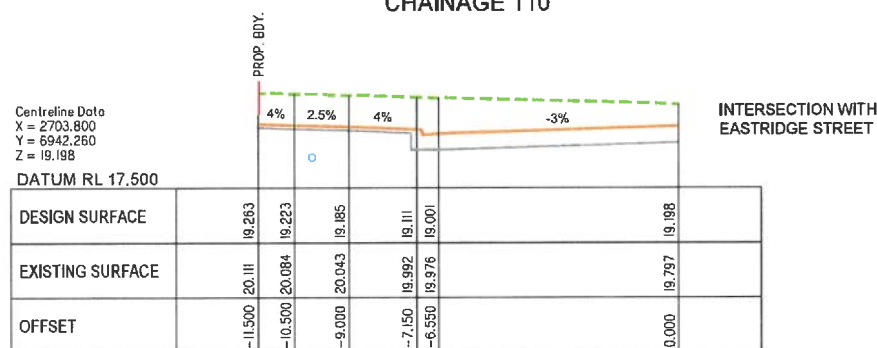
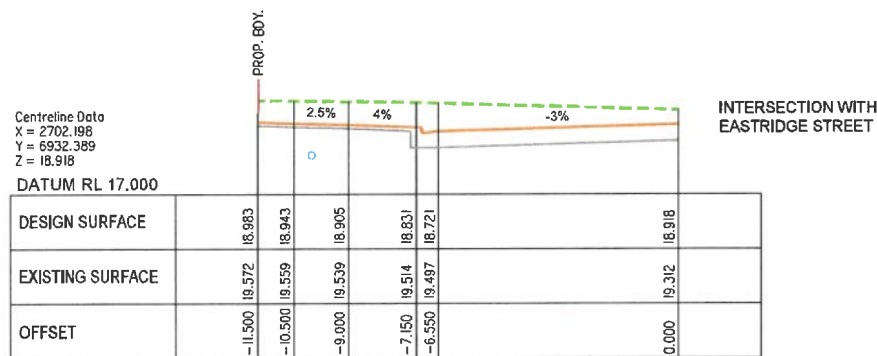
SCALE IN METRES

Scale 1:100 - Lengths are in Metres.
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Scale at A1: 1:100

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No: 5941 ENG OPW1 473 Rev. No: D



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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

'BALANCE' FILL PAD



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

Development shall comply with the
conditions of approval as detailed in the
Decision Notice and Council's Planning
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FAIRWAY STREET

KERB RAMP 6A

KERB RAMP 6B

KERB RAMP 6C

KERB RAMP 6F

KERB RAMP 6D

KERB RAMP 6E

KERB RAMP 6A SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2714.303	6962.335	BACK OF KERB
2	2715.419	6960.787	RAMP
3	2715.179	6959.307	RAMP
4	2713.630	6958.191	RAMP
5	2713.698	6959.547	INVERT OF KERB
6	2713.939	6961.028	INVERT OF KERB

KERB RAMP 6B SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2698.822	6960.856	BACK OF KERB
2	2697.919	6962.109	RAMP
3	2698.160	6963.589	RAMP
4	2700.159	6964.633	RAMP
5	2699.959	6963.297	INVERT OF KERB
6	2699.443	6961.861	INVERT OF KERB

KERB RAMP 6C SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2683.854	6951.466	BACK OF KERB
2	2683.929	6951.928	RAMP
3	2685.171	6953.336	RAMP
4	2686.651	6953.095	RAMP
5	2687.468	6951.888	INVERT OF KERB
6	2686.397	6951.528	INVERT OF KERB
7	2684.849	6951.353	RAMP

EASTRIDGE STREET TO FAIRWAY STREET KERB RETURN TABLE								
POINT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	2680.920	6951.090	18.797	99°13'15.37"			
	5.000	2685.902	6951.002	18.843	82°48'13.70"			
	10.000	2690.706	6952.326	18.974	66°23'12.04"			
IP 2	13.705	2698.144	6948.294	19.125		R = -17.450	27.410	89°59'59.91"
	15.000	2694.940	6954.953	19.184	49°58'10.38"			
	20.000	2698.258	6958.670	19.379	33°33'08.71"			
	25.000	2700.391	6963.174	19.519	17°08'07.05"			
	27.410	2700.940	6965.519	19.567	9°13'15.46"			

KERB RAMP 6D SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2707.493	6920.386	BACK OF KERB
2	2708.665	6919.182	RAMP
3	2708.425	6917.701	RAMP
4	2706.932	6916.931	RAMP
5	2706.944	6917.931	INVERT OF KERB
6	2707.185	6917.185	INVERT OF KERB

KERB RAMP 6E SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2692.788	6919.227	BACK OF KERB
2	2691.249	6920.490	RAMP
3	2691.490	6921.970	RAMP
4	2692.774	6922.775	RAMP
5	2693.006	6921.724	INVERT OF KERB
6	2693.007	6920.204	INVERT OF KERB

KERB RAMP 6F SETOUT TABLE			
POINT	EASTING	NORTHING	DESCRIPTION
1	2684.781	6935.331	BACK OF KERB
2	2683.624	6934.445	RAMP
3	2682.143	6934.685	RAMP
4	2681.410	6935.413	RAMP
5	2681.486	6936.876	INVERT OF KERB
6	2682.465	6936.668	INVERT OF KERB
7	2683.878	6936.012	RAMP

FAIRWAY STREET TO EASTRIDGE STREET KERB RETURN TABLE								
POINT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	RAD/SPIRAL	A.LENGTH	DEFL.ANGLE
IP 1	0.000	2693.249	6918.139	18.388	9°13'15.46"			
	5.000	2693.337	6923.121	18.472	352°48'13.80"			
	10.000	2692.013	6927.925	18.568	336°23'12.13"			
IP 2	13.705	2696.045	6935.364	18.648		R = -17.450	27.410	90°00'00.09"
	15.000	2689.386	6932.159	18.676	319°58'10.47"			
	20.000	2685.669	6935.478	18.756	303°33'08.80"			
	25.000	2681.166	6937.611	18.794	287°08'07.14"			
	27.410	2678.821	6938.160	18.797	279°13'15.37"			

Client:



Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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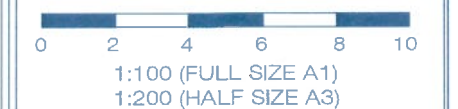
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DRAWING TITLE
ROAD INTERSECTION DETAILS
SHEET 7 OF 8

REV	DATE	DESCRIPTION	BY	CHK
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
G	05-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-06-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

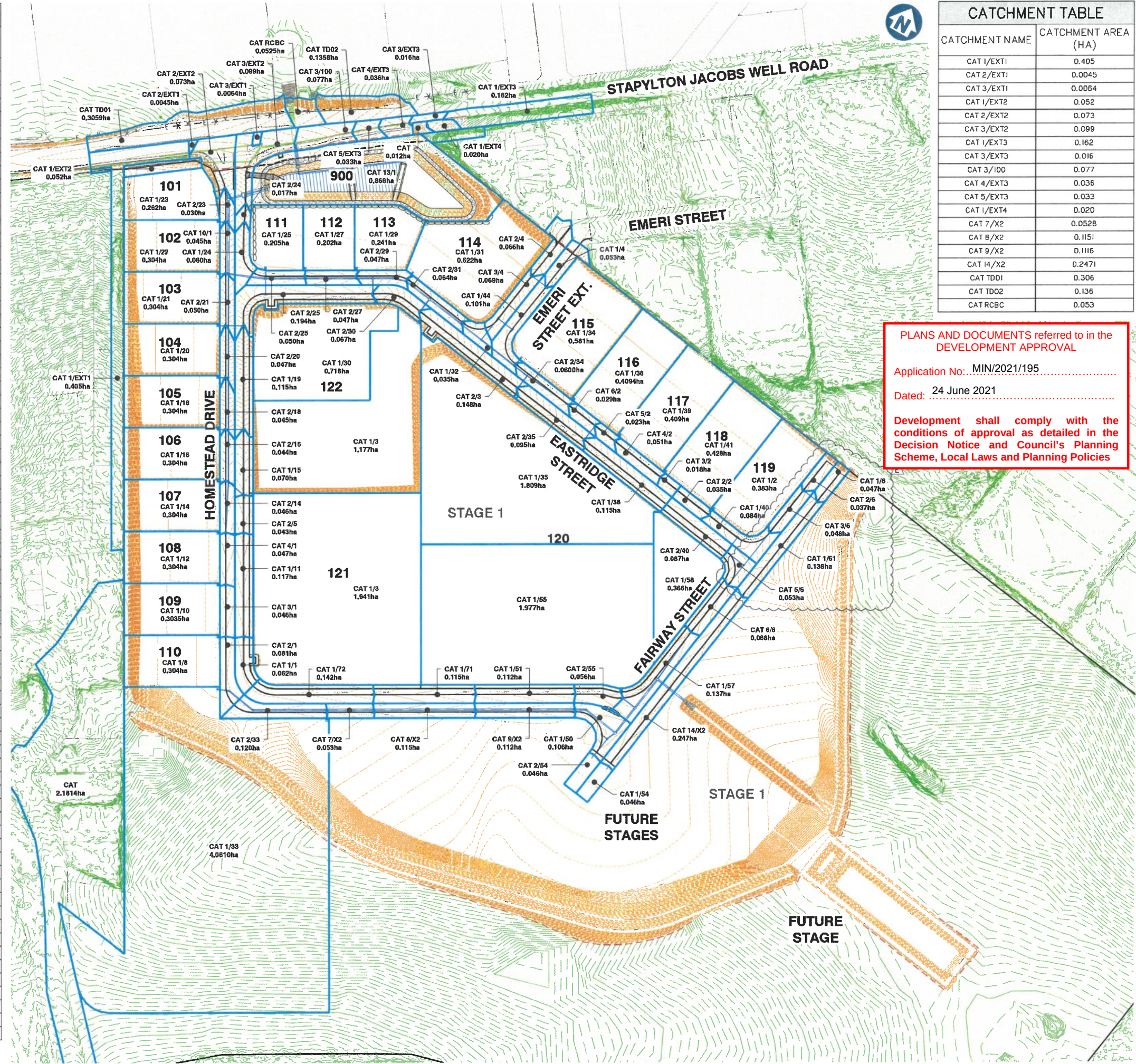


Scale at A1: 1:100

Designed: IG
Drafted: BA
Approved: MG
RPEQ: 16939
Signed:
Date: 27-04-2021

Drawing No: 5941 ENG OPW1 496
Rev. No: D

CATCHMENT TABLE	
CATCHMENT NAME	CATCHMENT AREA (HA)
CAT 1/1	0.062
CAT 2/1	0.081
CAT 3/1	0.046
CAT 4/1	0.047
CAT 7/1	0.045
CAT 8/1	0.047
CAT 10/1	0.046
CAT 13/1	0.868
CAT 1/2	0.383
CAT 2/2	0.035
CAT 3/2	0.035
CAT 4/2	0.051
CAT 5/2	0.023
CAT 6/2	0.029
CAT 10/2	0.035
CAT 11/2	0.064
CAT 1/3	1.177
CAT 2/3	0.148
CAT 2/4	0.066
CAT 3/4	0.069
CAT 2/5	0.043
CAT 1/6	0.047
CAT 2/6	0.037
CAT 3/6	0.048
CAT 5/6	0.053
CAT 6/6	0.068
CAT 1/8	0.303
CAT 1/10	0.303
CAT 1/11	0.117
CAT 1/12	0.304
CAT 1/14	0.304
CAT 2/14	0.046
CAT 1/15	0.070
CAT 1/16	0.304
CAT 2/16	0.044
CAT 1/18	0.304
CAT 1/19	0.115
CAT 1/20	0.304
CAT 1/21	0.304
CAT 2/21	0.050
CAT 1/23	0.262
CAT 2/23	0.030
CAT 1/24	0.060
CAT 2/24	0.017
CAT 1/25	0.205
CAT 2/25	0.050
CAT 1/26	0.194
CAT 1/27	0.202
CAT 2/27	0.047
CAT 1/29	0.047
CAT 1/30	0.720
CAT 2/30	0.062
CAT 1/31	0.622
CAT 2/31	0.064
CAT 1/32	0.035
CAT 1/33	4.061
CAT 1/35	1.809
CAT 2/35	0.095
CAT 1/38	0.115
CAT 2/40	0.087
CAT 1/44	0.101
CAT 1/50	0.112
CAT 1/51	0.106
CAT 1/54	0.046
CAT 2/54	0.046
CAT 1/55	1.977
CAT 1/57	0.137
CAT 1/58	0.366
CAT 1/61	0.138
CAT 1/71	0.115
CAT 1/72	0.142



CATCHMENT TABLE	
CATCHMENT NAME	CATCHMENT AREA (HA)
CAT 1/EXT1	0.405
CAT 2/EXT1	0.0045
CAT 3/EXT1	0.0064
CAT 1/EXT2	0.052
CAT 2/EXT2	0.073
CAT 3/EXT2	0.099
CAT 1/EXT3	0.162
CAT 3/EXT3	0.016
CAT 3/100	0.077
CAT 4/EXT3	0.036
CAT 5/EXT3	0.033
CAT 1/EXT4	0.020
CAT 7/X2	0.0528
CAT 8/X2	0.1151
CAT 9/X2	0.1116
CAT 14/X2	0.2471
CAT TDD1	0.306
CAT TD02	0.136
CAT RCBC	0.053

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Gold Coast & Logan | 175 Business Street, Yatala QLD | PO Box 382, Beenleigh 4207

Client:

**FRASERS
PROPERTY**

FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
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RPD:

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Local Authority: CITY OF GOLD COAST
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Level Datum: AHD
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DRAWING TITLE

STORMWATER DRAINAGE
CATCHMENT PLAN

B	12-08-2021	AMENDMENT/REVISION/REDESIGN	BA	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
C	09-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG
ISSUED	Date	Description	CHK	CHK

SCALE IN METRES

0 30 60 90 120 150

1:1500 (FULL SIZE A1)
1:3000 (HALF SIZE A3)

Scale at A1: 1:1500

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No: 5941 ENG OPW1 500

Rev. No: E

STORMWATER DRAINAGE CATCHMENT PLAN

SHAFT/PIT BASE

IN FAVOURABLE GROUND CONDITIONS PROVIDE PRECAST CONCRETE RDC1A CPO PIT BASE (OR EQUIVALENT) TO SUIT SPECIFIED DIAMETER OF SHAFT UP TO 1200 DIA.

ALTERNATELY (OR EXCEEDING 1200 DIA) PROVIDE 250mm THICK CAST IN-SITU REINFORCED CONCRETE BASE, 2 LAYERS SL82 MESH ON 50MM THICK BLINDING CONCRETE

CONVERTER SLAB TABLE

SHAFT	OFFSET
1200	475
1350	550
1500	625
1800	775
2100	925

NOTE: PROVIDE DRAINWAY CONVERTER SLAB FOR CPO PITS 1200#, 1500#, 1800#

PIPE SIZE (mm)	600	600
PIPE CLASS	3	3
PIPE GRADE (%)	0.50%	0.50%
PIPE SLOPE (1 in X)	200.0	200.0
PIPE FLOW (cumecs)	0.339	0.381
CAPACITY FLOW (cumecs)	0.434	0.434
FULL PIPE VELOCITY (m/s)	1.20	1.35
NORMAL DEPTH VELOCITY (m/s)	1.70	1.73
DATUM RL	1.000	
HGL ELEVATION (39.35% AEP)	12.783 12.562	12.544 12.469
DEPTH TO INVERT	2.691	2.217
INVERT LEVEL OF DRAIN	10.871	10.707
DESIGN (& EXISTING) SURFACE LEVEL	13.562 (13.389)	12.988 (13.379)
SETOUT COORDINATES (EASTING & NORTING)	2381.944E 6975.920N	2378.670E 6986.489N
CHAINAGE	0.000 6.016 7.184	10.888 19.287

[illegible]STORMWATER DRAINAGE LONGITUDINAL SEC

DESIGN SEWER
LINE 6
CH 14,356
150Ø uPVC S/N8

DESIGN SEWER
LINE 6
CH 14,314
150Ø uPVC S/N8

1050mm DIA. SHAFT

HOMESTEAD DR.

39% AEP
HYDRAULIC
GRADE LINE

525
3

600
3

0.50%
200.0

0.67%
150.0

0.559
0.304

0.571
0.502

2.58
2.58

2.02
2.02

8.000

18.323
17.590
2.168
16.446
18.545
2334.097E
6797.927N
5.182
6.097
2328.595E
6794.879N
14.953
2312.921E
6796.595N
22.350
17.085
2.061
16.251
16.137
2.175
16.717

PAGE 4 OF 18

0.000	2721.334E 7005.936N	20.045 (22.656)	18.904 18.899	11.000	0.12 0.94	0.03 0.175	1.00% 100.0	375 3		FAIRWAY ST.
13.324			18.817 1.076							
14.206	2707.311E 7008.213N	20.045 (22.862)	18.684 1.209	18.754 18.740						

FOR CONTINUATION REFER SHEET No. 5941 ENG OPWI 514

Scale at A1:	AS SHOWN
Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021
Drawing No:	5941 ENG OPW1 513



STRUCTURE NAME	1/40	2/40	4/6
STRUCTURE DESCRIPTION	STD IPWEAQ GULLY PIT, BARRIER KERB, IN SAG LUNTEL (2.4 S), L.I.L. BIKESAFE GRATE (C/D)	DRAINWAY SYSTEM ON GRADE, L.I.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER	STD IPWEAQ ACCESS CHAMBER 1050mm DIA

SHAFT/PIT BASE

IN FAVOURABLE GROUND CONDITIONS PROVIDE PRECAST CONCRETE ROCLA CPO PIT BASE (OR EQUIVALENT) TO SUIT SPECIFIED DIAMETER OF SHAFT UP TO 1200 DIA.

ALTERNATELY (OR EXCEEDING 1200 DIA) PROVIDE 250mm THICK CAST IN-SITU REINFORCED CONCRETE BASE, 2 LAYERS SLB2 MESH ON 50MM THICK BLINDING CONCRETE

CONVERTER SLAB TABLE

SHAFT	OFFSET
1200	475
1350	550
1500	625
1800	775
2100	925

NOTE: PROVIDE DRAINWAY CONVERTER SLAB FOR CPO PITS 1200#, 1500#, 1800#

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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

PIPE SIZE (mm)	375	375
PIPE CLASS	3	3
PIPE GRADE (%)	1.00%	1.00%
PIPE SLOPE (1 in X)	100.0	100.0
PIPE FLOW (cumecs)	0.024	0.049
CAPACITY FLOW (cumecs)	0.175	0.175
FULL PIPE VELOCITY (m/s)	0.22	0.44
NORMAL DEPTH VELOCITY (m/s)	1.12	1.36
DATUM RL	8.000	
HGL ELEVATION (39.35% AEP)	17.573	17.415
DEPTH TO INVERT	1.312	1.446
INVERT LEVEL OF DRAIN	17.445	17.231
DESIGN (& EXISTING) SURFACE LEVEL	18.907	18.907
SETOUT COORDINATES (EASTING & NORTHING)	2680.636E 6951.744N	2678.375E 6937.844N
CHAINAGE	0.000	13.404

LINE 40

STRUCTURE NAME	1/41	3/2
STRUCTURE DESCRIPTION	STD IPWEAQ GRADED FIELD INLET (IN LOT) 900x300mm	DRAINWAY SYSTEM ON GRADE, L.I.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER

DESIGN SLOPE
LINE 2
C/D 1.00%
L.I. 1.00%
1500UPVC S18

LINE 41

STRUCTURE NAME	1/42	8/X2
STRUCTURE DESCRIPTION	DRAINWAY SYSTEM ON GRADE, L.I.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER	STD IPWEAQ ACCESS CHAMBER 1500mm DIA

LINE 42

STRUCTURE NAME	1/44	3/4
STRUCTURE DESCRIPTION	STD IPWEAQ GULLY PIT, BARRIER KERB, IN SAG LUNTEL (2.4 S), L.I.L. BIKESAFE GRATE (C/D)	STD IPWEAQ GULLY PIT, BARRIER KERB, IN SAG LUNTEL (2.4 S), L.I.L. BIKESAFE GRATE (C/D)

LINE 44

STRUCTURE NAME	1/46	7/X2
STRUCTURE DESCRIPTION	STD IPWEAQ GULLY PIT, BARRIER KERB, ON-GRADE LUNTEL (2.4 S), L.I.L. BIKESAFE GRATE (C/D)	STD IPWEAQ ACCESS CHAMBER 1050mm DIA

LINE 46

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 12 OF 18

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

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RPD:

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Plan: SP295994
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DRAWING TITLE

STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 12 OF 18

Issue	Date	Description	DRN	CHK
F	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
E	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
D	15-09-2020	RESPONSE TO RFI No. 4	BA	MG
G	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

Scale 1:500 - Lengths are in Metres.

HORIZ: 0 5 10 15 20 25 30 35 40

Scale 1:50 - Lengths are in Metres.

VERT: 0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0

Scale at A1:

AS SHOWN

Designed:

IG

Drafted:

BA

Approved:

MG

RPEQ:

16939

Signed:

[Signature]

Date:

27-04-2021

Drawing No:

5941 ENG OPW1 521

Rev. No:

F

STRUCTURE NAME	1/55	2/55	12/X2
STRUCTURE DESCRIPTION	STD IPWEAQ MANHOLE 600x600 GRATE SET WITH CONVERTER SLAB 1050mm DIA	DRAINWAY SYSTEM ON GRADE, L.L.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER	STD IPWEAQ ACCESS CHAMBER 1500mm DIA

SHAFT/PIT BASE

IN FAVOURABLE GROUND CONDITIONS PROVIDE PRECAST CONCRETE ROCLA CPO PIT BASE (OR EQUIVALENT) TO SUIT SPECIFIED DIAMETER OF SHAFT UP TO 1200 DIA.

ALTERNATELY (OR EXCEEDING 1200 DIA) PROVIDE 250mm THICK CAST IN-SITU REINFORCED CONCRETE BASE, 2 LAYERS SLB2 MESH ON 50mm THICK BLINDING CONCRETE

CONVERTER SLAB TABLE

SHAFT	OFFSET
1200	475
1350	550
1500	625
1800	775
2100	925

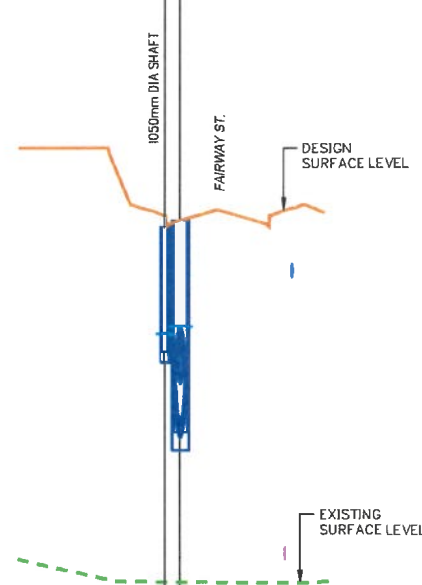
NOTE: PROVIDE DRAINWAY CONVERTER SLAB FOR CPO PITS 1200ø, 1500ø, 1800ø

PIPE SIZE (mm)	525	525
PIPE CLASS	3	3
PIPE GRADE (%)	1.00%	1.00%
PIPE SLOPE (1 in X)	100.0	100.0
PIPE FLOW (cumecs)	0.569	0.585
CAPACITY FLOW (cumecs)	0.430	0.430
FULL PIPE VELOCITY (m/s)	2.63	2.70
NORMAL DEPTH VELOCITY (m/s)	2.63	2.70
DATUM RL	5.000	
HGL ELEVATION (39.35% AEP)	17.672 16.781	16.892 16.897 16.346
DEPTH TO INVERT	2.646	2.113 2.214
INVERT LEVEL OF DRAIN	15.632	15.581 15.480
DESIGN (& EXISTING) SURFACE LEVEL	18.278 (12.057)	17.848 (12.051) 17.814 (11.978)
SETOUT COORDINATES (EASTING & NORTHING)	2659.241E 6803.910N	2662.538E 6798.414N
CHAINAGE	0.000 5.067	11.589

LINE

55

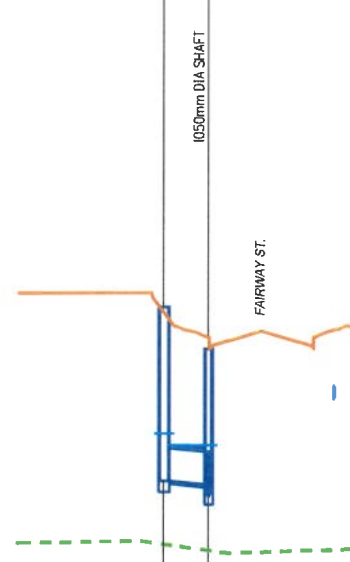
1/57	13/X2
DRAINWAY SYSTEM ON GRADE, L.L.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER	STD IPWEAQ ACCESS CHAMBER 1800mm DIA



450	3	1.26%	79.6	0.040	0.320	0.25	1.37	16.076 16.054	17.667 (12.649)	15.808	17.604 (12.647)	15.800 (12.647)	14.709	16.054 16.050 15.570
0.000	2677.740E 6824.823N	0.736												

57

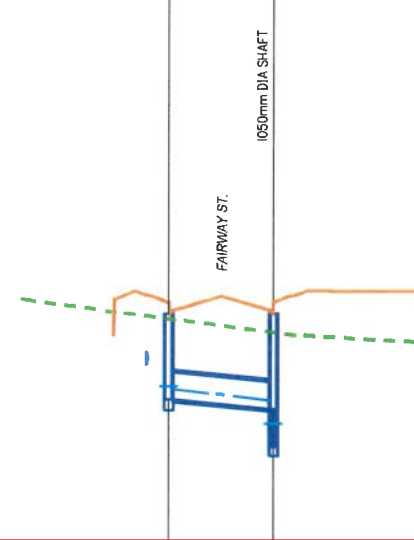
1/58	6/6
STD IPWEAQ MANHOLE 600x600 GRATE SET WITH CONVERTER SLAB 1050mm DIA	DRAINWAY SYSTEM ON GRADE, L.L.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER



450	3	1.00%	100.0	0.105	0.285	0.66	1.66	16.694 16.537	18.328 (15.154)	16.028	17.989 (15.071)	15.977 15.863	13.86	16.530 16.408
0.000	2678.845E 6870.914N	5.079												

58

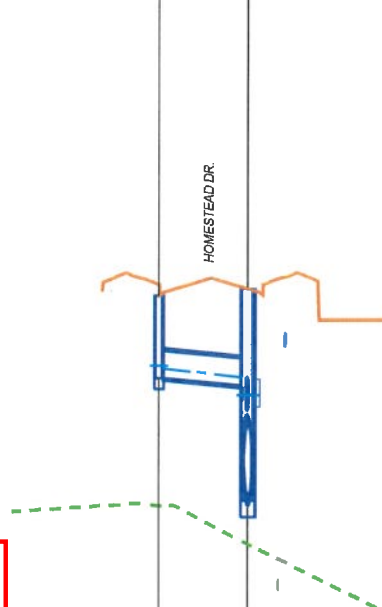
1/61	5/6
STD IPWEAQ GULLY PIT BARRIER KERB, ON-GRADE INLET (2.4 S), L.L.L. BIKESAFE GRATE (C/D)	DRAINWAY SYSTEM ON GRADE, L.L.L. 2.4m KERB INLET, CLASS (D) HINGED BIKESAFE GALV. GRATE ON TOP OF ROCLA (OR EQUIV.) CPO PIT SYSTEM CIRCULAR CHAMBER



375	3	1.00%	100.0	0.038	0.175	0.35	1.27	17.313 17.270	18.456 (18.230)	17.029	18.456 (18.044)	16.995 16.500	1.806	17.115 16.753 16.759
0.000	2705.305E 6913.384N	13.324												

61

1/71	8/X2
STD IPWEAQ ACCESS CHAMBER 1500mm DIA	



375	3	1.00%	100.0	0.034	0.175	0.30	1.23	17.578 17.545	18.691 (15.662)	17.413	18.628 (15.130)	17.304 17.171	2.899	17.415 17.171 17.133
0.000	2561.347E 6746.00N	10.888												

71

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

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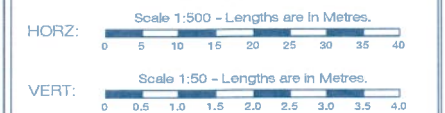
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DRAWING TITLE
STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 14 OF 18

Rev	Date	Description	Rev	CHK
1	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
2	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
3	10-09-2020	RESPONSE TO RFI No. 4	BA	MG
4	03-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
5	12-02-2020	INFORMATION REQUEST RESPONSE	BA	MG
6	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES



Scale at A1:

AS SHOWN

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No: 5941 ENG OPW1 523 Rev. No: F

STORMWATER DRAINAGE NETWORK - 39.35% AEP (2 YR ARI) DESIGN SHEET

LOCATION		SUB-CATCHMENT RUNOFF										INLET DESIGN										DRAIN DESIGN										HEAD LOSSES										PART FULL									
STRUCTURE No.	DRAIN SECTION	To SUB-CATCHMENT TIME OF CONC. min	RAINFALL INTENSITY mm/h	A SUB-CATCHMENT AREA ha	CA EQUIVALENT AREA ha	QC SUB-CATCHMENT DISCHARGE L/s	Qa FLOW IN KAO (INC. BYPASS) L/s	ROAD GRADE AT INLET %	ROAD X/FALL AT INLET %	INLET TYPE	INLET CURVE	Qp FLOW INTO INLET L/s	Qa BYPASS FLOW L/s	WYPASS STRUCTURE No.	Tc CRITICAL TIME OF CONC. min	L RAINFALL INTENSITY mm/h	CA TOTAL (C+A) ha	Qa PEAK FLOW L/s	Qa FLOW L/s	L REACH LENGTH m	S PIPE GRADE %	PIPE SIZE mm	PIPE CLASS	VHQA FULL PIPE VELOCITY m/s	Qa CAPACITY FLOW L/s	Va CAPACITY VELOCITY m/s	Vt TRAVEL VELOCITY m/s	CHARTR USED	VHQA VELOCITY HEAD m	Ku US HEAD LOSS COEFFICIENT	Lu US HEAD LOSS m	Kw W.S. HEAD LOSS COEFFICIENT	Lw W.S. HEAD LOSS m	Qa CHANGE IN W.S. m	Qa PIPE FRICTION SLOPE	Qa PIPE FRICTION HEAD LOSS m	Qa NORMAL DEPTH m	Va NORMAL DEPTH m	PIPE US L/L	PIPE US L/L	PIPE US L/L	PIPE US L/L	W.S.E. ORATE	GRADE LEVEL							
1/1	1/1 to 2/1	5	138	0.958	0.046	18	18	0.83	3	GRADE_BK_2400_Lip	0.50 3X	18	0	1/11	5	138	0.946	18	18	13.324	2	375	3	0.16	248	2.28	1.3	G1	0.001	7	0.009		0.009	0.45	0.092	0.068	1.3	16.333	18.918	18.377	18.317	18.386	18.411								
2/1	2/1 to 3/1	5	138	0.977	0.061	23	23	0.83	3	GRADE_BK_2400_Lip	0.50 3X	23	0	3/1	5.63	138	0.934	128	128	36.535	1.25	450	3	0.8	319	2.01	1.89	T10	0.533	2.18	0.072	2.06	0.088	0.2	0.078	0.189	1.89	17.672	17.178	18.245	18.106	18.332	18.411								
3/1	3/1 to 4/1	5	138	0.944	0.035	13	13	0.83	3	GRADE_BK_2400_Lip	0.50 3X	13	0	4/1	5.4	136	0.987	226	226	38.535	1	450	3	1.42	285	1.79	1.89	T2/T5	0.183	0.75	0.077		0.077	0.83	0.247	0.382	1.89	17.158	16.762	18.889	17.842	18.186	19.051								
4/1	4/1 to 5/1	5	138	0.944	0.035	13	13	0.83	3	GRADE_BK_2400_Lip	0.50 3X	13	0	2/14	5.73	134	0.949	355	354	38.579	1	400	3	2.22	285	1.78	2.22	T2/T5	0.253	0.6	0.151		0.151	1.54	0.808	0.45	2.22	16.742	16.348	17.891	17.885	17.843	18.878								
5/1	5/1 to 6/1									ACC_CHA_1200					5.68	135	2.663	1004	1004	39.285	2.5	600	3	3.65	871	3.44	3.9	T2/T5	0.643	0.57	0.368		0.368	2.87	0.928	0.513	3.9	16.137	15.155	18.717	15.688	17.085	18.212								
6/1	6/1 to 7/1									ACC_CHA_1200					5.84	134	2.998	1115	1115	38.413	0	600	3	3.94	1374	4.88	5.41	T1/T2	0.794	0.23	0.182		0.182	3.77	1.494	0.411	5.41	14.791	12.82	15.378	13.892	15.58	17.857								
7/1	7/1 to 8/1									ACC_CHA_1200					5.97	132	3.281	1208	1208	38.413	5	600	3	6.27	1274	4.88	5.48	T8/T10	0.831	1.25	1.101	1.4	1.2	4.34	1.719	0.827	8.45	12.141	10.17	12.731	11.819	14.821	14.882								
8/1	8/1 to 9/1									ACC_CHA_1200					6.09	132	3.612	1332	1331	38.04	0	600	3	4.71	1274	4.88	6.63	T1/T2	1.131	0.23	0.281		0.281	4.7	1.854	0.478	5.53	8.895	7.743	10.738	8.904	11.819	12.374								
9/1	9/1 to 10/1									ACC_CHA_1200					6.25	132	10.182	3737	3737	38.685	2	1200	3	3.3	8518	4.88	5.34	T4/T8	0.887	0.84	0.622	0.97	0.641	1	0.481	0.724	5.34	7.336	6.583	8.382	7.995	8.923	10.857								
10/1	10/1 to 11/1									ACC_CHA_1200					6.33	132	10.429	3818	3818	38.818	5	1200	3	3.37	8167	4.88	5.74	T1/T2	0.981	0.21	0.12		0.12	0.98	0.149	0.883	5.74	8.543	6.184	7.875	7.726	7.988	9.15								
11/1	11/1 to 12/1									ACC_CHA_2100					6.33	131	10.05	3891	3891	38.192	0.1	1200	3	3.44	1233	1.09	3.44	T8/T10	0.248	1.68	0.581	1.82	0.854	1.59	0.054	1.2	3.44	8.048	8.838	7.144	8.982	7.858	9.345								
12/1	12/1 to 13/1									ACC_CHA_2100					6.43	131	10.710	3905	3905	38.172	0.1	1200	3	1.73	2467	1.09	1.73	T1	0.182	0	0		0	0.82	0.88	1.2	1.73	8.018	8	8.935	8.769	8.935	8.955								
13/1										HW outlet																																									
12	1/2 to 2/2	5	138	0.352	0.287	110	110					110	0	2/2	5	138	0.287	110	110	5.23	0.87	375	3	1	173	1.57	1.80	G1	0.551	3.67	0.185		0.185	0.39	0.021	0.217	1.86	18.113	18.082	18.888	18.868	18.878	30.58								
2/2	2/2 to 3/2	5	138	0.633	0.626	10	10	2.82	3	GRADE_BK_2400_Lip	20 3X	10	0	1/40	5.65	138	0.313	120	120	48.001	0.5	375	3	1.90	124	1.12	1.28	T10	0.06	1.73	0.105	1.97	0.119	0.47	0.218	0.297	1.28	17.883	17.85	18.782	18.545	18.881	19.287								
3/2	3/2 to 4/2	5	138	0.917	0.914	5	5	1	3	GRADE_BK_2400_Lip	10 3X	5	0	4/2	5.66	135	0.85	243	243	44.504	1.5	375	3	2.2	215	1.95	2.2	T5	0.248	0.81	0.292		0.292	1.93	0.847	0.375	2.3	17.43	18.682	18.543	17.486	18.545	18.808								
4/2	4/2 to 5/2	5	138	0.948	0.933	15	15	3.17	3	GRADE_BK_2400_Lip	30 3X	15	0	5/2	6	133	0.897	389	389	19.878	3	460	3	3.32	484	3.11	3.41	T2/T5	0.275	0.6	0.164		0.164	1.74	0.353	0.29	3.41	18.912	18.345	17.322	18.994	17.488	18.458								
5/2	5/2 to 6/2	5	138	0.922	0.917	7	7	3.17	3	GRADE_BK_2400_Lip	30 3X	7	0	6/2	6.89	133	1.181	406	485	24.757	4	480	3	2.58	570	3.89	3.89	T1/T2	0.331	0.3	0.089		0.089	2.02	0.5	0.26	3.89	18.354	18.274	18.895	18.399	18.984	17.831								
6/2	6/2 to 7/2	5	138	0.928	0.922	8	8	3.17	3	GRADE_BK_2400_Lip	30 3X	8	0	2/94	6.2	132	1.432	528	528	38.894	3.33	430	3	3.3	591	3.27	3.73	T2	0.887	0.23	0.181		0.181	3.4	1.311	0.373	3.73	15.884	13.789	16.214	14.904	16.396	17.913								
7/2	7/2 to 8/2									ACC_CHA_1200					5.78	134	2.825	1054	1054	11.318	2	675	3	2.85	1189	3.32	3.76	T5/T8	0.443	0.82	0.381	0.82	0.364	1.57	0.178	0.494	3.76	13.603	13.376	14.642	14.363	14.907	15.85								
8/2	8/2 to 9/2									ACC_CHA_1200					5.81	134	3.338	1232	1232	31.8	3.33	675	3	3.44	1634	4.29	4.76	T1/T2	0.605	0.24	0.146		0.146	2.15	0.685	0.438	4.76	13.278	12.217	14.218	13.534	14.305	15.457								
9/2	9/2 to 10/2									ACC_CHA_1200					5.82	134	3.525	1306	1306	19.301	2.5	675	3	3.55	1330	3.72	4.23	T1/T2	0.882	0.22	0.148		0.148	2.42	0.643	0.544	4.23	12.187	11.74	13.386	12.943	13.534	14.858								
10/2	10/2 to 11/2									ACC_CHA_1200					6.89	132	3.882	1315	1314	30.458	3	780	3	2.88	1929	4.37	4.7	T1	0.892	0.2	0.091		0.091	1.39	0.344	0.454	4.7	11.833	10.719	1											

STORMWATER DRAINAGE NETWORK - 39.35% AEP (2 YR ARI) DESIGN SHEET

LOCATION		SUB-CATCHMENT RUNOFF						INLET DESIGN						DRAIN DESIGN										HEAD LOSSES										PART FULL									
STRUCTURE No.	DRAIN SECTION	Tc SUB-CATCHMENT TIME OF CONC. min	I RAINFALL INTENSITY mm/h	A _c SUB-CATCHMENT AREA ha	CA EQUIVALENT AREA ha	Q _c SUB-CATCHMENT DISCHARGE L/s	Q _{in} FLOW IN HIC (INC. BYPASS) L/s	ROAD GRADE AT INLET %	ROAD SPALL AT INLET %	INLET PIPE TYPE	INLET CURVE	Q _g FLOW INTO INLET L/s	Q _b BYPASS FLOW L/s	BYPASS STRUCTURE No.	Tc CRITICAL TIME OF CONC. min	I RAINFALL INTENSITY mm/h	CA TOTAL (C + A) ha	Q _{in} PEAK FLOW L/s	Q _g PIPE FLOW L/s	L REACH LENGTH m	B PIPE GRADE %	PPE PIPE SIZE mm	PPE PIPE CLASS	V _{100A} FULL PIPE VELOCITY m/s	Q _{cap} CAPACITY FLOW L/s	V _{100B} CAPACITY VELOCITY m/s	V _{100C} TRAVEL VELOCITY m/s	CHARTER USDS	V _{100D} VELOCITY HEAD m	K _u US HEAD LOSS COEFFICIENT	K _u US HEAD LOSS m	K _u VELOCITY COEFFICIENT	h _{fr} CHANGE IN FRICTION m	RI PIPE FRICTION SLOPE %	RI PIPE FRICTION HEAD LOSS m	RI NORMAL DEPTH m	RI NORMAL DEPTH VEL. m/s	PPE PIPE US L/L m	PPE PIPE D/S L/L m	PPE PIPE US H.G.L. m	PPE PIPE D/S H.G.L. m	W.S.E. m	GRATE LEVEL m
1/29	1/29 to 2/29	5	138	0.229	0.181	89	89			900x900		89	0	2/29	5	138	0.181	89	89	5.182	1	375	3	8.83	175	1.58	1.49	G1	0.82	3.11	0.082		0.082	0.18	0.008	0.184	1.49	9.728	9.874	10.81	10.802	10.873	11.634
2/29	2/29 to 1/52	5	138	0.845	0.835	14	14	1.2	3	GRADE_BK_2400_Lip	10 3X	14	0	1/52	5	138	0.216	83	83	0.888	2	378	3	0.76	268	2.35	2.82	T1	0.029	0.65	0.019		0.019	0.22	0.002	0.149	2.02	9.603	9.588	10.784	10.782	10.802	11.188
1/50	1/50 to 2/50	5	138	0.879	0.539	207	207			1200x1200		207	0	2/50	5	138	0.639	207	207	0.717	0.5	600	3	0.73	434	1.84	1.82	G1	0.027	2.84	0.08		0.08	0.11	0.006	0.291	1.82	9.338	9.299	11.231	11.225	11.311	13
2/50	2/50 to 1/42	5	138	0.888	0.846	18	18	2.8	3	GRADE_BK_2400_Lip	20 3X	18	0	1/50	5.88	138	0.585	224	224	11.038	0.5	800	3	0.19	434	1.54	1.53	T2/T5	0.032	0.58	0.019		0.019	0.13	0.015	0.305	1.55	9.219	9.104	11.206	11.191	11.225	11.476
1/51	1/51 to 2/51	5	138	0.888	0.467	179	179			1200x1200		179	0	2/51	5	138	0.487	179	179	5.484	1	528	3	0.83	430	1.89	1.8	G1	0.035	3.01	0.105		0.105	0.17	0.01	0.236	1.8	10.44	10.385	12.816	12.807	12.121	12.679
2/51	2/51 to 1/52	5	138	0.889	0.848	18	18	2.88	3	GRADE_BK_2400_Lip	20 3X	18	0	2/51	5.85	138	0.515	197	197	0.781	2	600	3	0.7	889	3.07	2.83	T1/T2	0.035	0.14	0.003		0.003	0.1	0.001	0.194	2.48	10.305	10.289	12.803	12.802	12.507	12.18
1/52	1/52 to 1/52	5	138	0.033	0.027	10	10	2.58	3	GRADE_BK_2400_Lip	20 3X	10	0	2/51	5	138	0.027	10	10	1.038	1	375	3	0.99	175	1.59	8.86	G1	0	7	0.003		0.003	0	0	0.001	0.58	12.50	12.549	12.943	12.945	12.948	13.786
1/53	1/53 to 2/53	5	138	3.839	3.848	1188	1188			1200x1200		1188	0	2/53	5	138	3.848	1188	1188	5.832	0.4	750	3	2.04	784	1.59	2.84	G1	0.037	3.43	1.234		1.234	1.1	0.006	0.75	2.84	17.433	17.813	17.886	17.831	19.11	19.8
2/53	2/53 to 8/52	5	138	0.114	0.080	35	35	0.64	3	17C80_UNCHECKED	0.50 3X	35	0	1/46	5.03	138	3.139	1202	1202	0.888	0.4	825	3	2.35	808	1.7	2.35	T1	0.258	0.61	0.002		0.002	0.7	0.006	0.828	2.35	14.808	16.835	17.829	17.823	17.831	18.281
1/54	1/54 to 2/54	5	138	0.848	0.436	167	167			900x800		167	0	2/54	5	138	0.436	167	167	0.182	1	375	3	1.51	175	1.89	1.81	G1	0.117	3.8	0.035		0.035	0.01	0.002	1.81	14.950	14.907	14.513	14.468	14.369	15.809	
2/54	2/54 to 8/52	5	138	0.057	0.045	17	17	3.17	3	GRADE_BK_2400_Lip	30 3X	17	0	1/44	5.86	138	0.481	184	184	1.038	1	375	3	1.87	175	1.59	1.8	T1	0.142	0.64	0.09		0.09	1.1	0.011	0.327	1.8	13.308	13.827	14.376	14.365	14.468	15.371
1/55	1/55 to 2/55	5	138	1.710	1.358	521	521			1200x1200		521	0	2/55	5	138	1.358	521	521	5.319	1	635	3	2.4	430	1.99	2.4	G1	0.285	2.89	0.762		0.762	1.40	0.078	0.628	2.4	13.961	13.968	15.891	15.813	15.884	15.8
2/55	2/55 to 2/55	5	138	0.008	0.071	27	28	3.17	3	GRADE_BK_2400_Lip	30 3X	28	0	2/55	5.84	138	1.429	547	547	11.038	1	600	3	1.84	614	2.17	2.45	T1/T2	0.191	0.12	0.022		0.022	0.79	0.008	0.442	2.45	13.868	13.787	14.991	14.904	15.913	15.784
1/56	1/56 to 6/52	5	138	0.387	0.387	118	118			1200x1200		118	0	6/52	5	138	0.387	118	118	5.079	1	375	3	1.87	175	1.59	1.7	G1	0.038	4.67	0.236		0.236	0.45	0.023	0.235	1.7	13.779	15.723	16.418	16.398	16.555	17.591
1/58	1/58 to 5/52	5	138	0.108	0.088	33	33	3.17	3	GRADE_BK_2400_Lip	30 3X	32	1	2/55	5	138	0.088	33	32	13.324	1	375	3	0.29	175	1.58	1.21	G1	0.004	7	0.031		0.031	0.03	0.005	0.109	1.21	14.803	16.47	16.999	16.994	17.829	17.831
1/59	1/59 to 4/52	5	138	0.387	0.387	118	118			900x800		118	0	4/52	5	138	0.387	118	118	5.23	1	375	3	1.87	175	1.59	1.7	G1	0.038	4.67	0.236		0.236	0.45	0.023	0.235	1.7	13.779	15.723	16.418	16.398	16.555	17.591
1/60	1/60 to 2/60	5	138	0.080	0.063	24	24			BAQ_BK_2400_Lip	BAQ	24	0	2/60	5	138	0.083	24	24	13.494	1	375	3	0.22	175	1.58	1.12	G1	0.002	7	0.017		0.017	1.05	0.133	0.094	1.12	17.445	17.311	17.556	17.415	17.573	18.757
2/60	2/60 to 6/6	5	138	0.082	0.065	23	28	0.8	3	GRADE_BK_2400_Lip		23	0	6/6	5.2	137	0.129	49	49	16.293	1	375	3	0.44	175	1.58	1.36	G1/T10	0.01	3.28	0.024	2.73	0.027	1.18	0.13	0.138	1.38	17.221	17.083	17.391	17.203	17.418	18.787
1/61	1/61 to 3/52	5	138	0.404	0.321	123	123			900x800		123	0	3/52	5	138	0.321	123	123	5.23	1	375	3	1.11	175	1.58	1.73	G1	0.083	5.28	0.534		0.534	-0.84	0.028	0.232	1.72	18.285	18.213	18.543	18.545	18.877	20.438
1/62	1/62 to 8/52	5	138	0.109	0.086	33	33	0.64	3	GRADE_BK_2400_Lip	0.50 3X	32	1	1/52	5	138	0.086	33	32	0.863	1	375	3	0.29	175	1.58	1.21	G1	0.004	7	0.031		0.031	-0.36	0.002	0.109	1.21	17.014	17.085	17.168	17.171	17.186	18.541
1/64	1/64 to 3/4	5	138	0.086	0.076	28	28			BAQ_BK_2400_Lip	BAQ	28	0	3/4	5	138	0.076	28	28	13.32	1	375	3	0.38	175	1.58	1.18	G1	0.004	7	0.025		0.025	0.03	0.004	0.103	1.18	17.089	12.955				

LOCATION		SUB-CATCHMENT RUNOFF							INLET DESIGN						DRAIN DESIGN								HEAD LOSSES									PART FULL													
STRUCTURE No.	DRAIN SECTION	To SUB-CATCHMENT TIME OF CONC min	RAINFALL INTENSITY mm/h	A SUB-CATCHMENT AREA ha	EQUVALENT AREA ha	SUB-CATCHMENT DISCHARGE L/s	Ga FLOW IN MAG (INC BYPASS) L/s	Road GRADE AT INLET %	ROAD XFALL AT INLET %	INLET TYPE	MILVET CURVE	Dg FLOW INTO INLET L/s	Ds BYPASS FLOW L/s	BYPASS STRUCTURE No.	To CRITICAL TIME OF CONC. sec	I RAINFALL NUMBER	Ga TOTAL (C+P+A) ha	Pear FLOW L/s	PPE FLOW L/s	L REACH LENGTH m	B PIPE GRADE %	PPE SIZE mm	PPE CLASS	VHGA FULL PPE FLOW L/s	CAPACITY CAPACITY L/s	Vcap CAPACITY VELOCITY m/s	Vt TRAVEL VELOCITY m/s	CHARTR USED	VHqQ HEAD LOSS m	Ka US HEAD LOSS COEFFICIENT	Hsa US HEAD LOSS m	Kw MALE COEFFICIENT	Hwa CHANGE IN W.A.E m	SZ SLOPE FLOE %	Hd PFE FRICTION PROCTON m	ds NORMAL DEPTH m	Hd NORMAL DEPTH m	PPE UO LL m	PPE UL L m	PPE UO LL m	PPE DA H.O.L m	W & E m	GRADE LEVEL m		
1/1	1/1 to 2/1	5	387	0.058	0.067	48	48	0.93	3	GRADE_BK_3480_Llp	0.6G 3X	2	47	1/11	5	307	0.857	48	2	13.324	2	378	3	0.302	248	2.28	0.67	G1	8	3.14	0		0	0	0	0.023	0.07	18.283	18.018	18.411	18.411	18.411	18.411	18.411	18.411
3/1	3/1 to 3/1	5	387	0.077	0.076	65	110	0.93	3	GRADE_BK_3480_Llp	0.6G 3X	-2	112	3/1	5.03	306	0.414	352	183	39.535	1.25	458	3	1.21	319	2.01	2.1	T10	0.873	1.86	0.117	1.94	0.148	0.48	0.181	0.263	2.1	17.672	17.178	18.231	18.05	18.377	19.411		
3/1	3/1 to 4/1	5	387	0.044	0.043	37	193	0.93	3	GRADE_BK_3480_Llp	0.6G 3X	-141	333	4/1	5.36	302	0.741	822	242	39.535	1	450	3	1.52	286	1.78	2.91	T5	0.118	0.76	0.09		0.09	0.72	0.284	0.318	2.01	17.158	18.182	18.98	18.676	18.105	18.05		
4/1	4/1 to 5/1	5	387	0.044	0.043	37	418	0.93	3	GRADE_BK_3480_Llp	0.6G 3X	-88	514	2/14	5.89	298	1.179	976	323	39.378	1	458	3	3.03	285	1.78	2.93	T2/75	0.211	0.86	0.14		0.14	1.29	0.506	0.45	2.03	18.742	18.549	18.337	18.03	18.678	18.878		
5/1	5/1 to 6/1									ACC_CHA_1260		6.7	296	3.34	2762	822	39.285	2.5	600	3	2.91	671	3.44	3.85	T2/75	0.431	0.63	0.271		0.271	1.79	0.703	0.424	3.65	18.137	15.155	17.759	17.836	18.03	18.312					
6/1	6/1 to 7/1									ACC_CHA_1890		5.97	285	3.733	3063	1365	39.416	5	609	3	4.83	1374	4.88	5.54	T2/75	1.896	0.88	0.835		0.835	4.86	1.784	0.488	5.84	14.791	12.82	16.421	14.827	17.058	17.237					
7/1	7/1 to 8/1									ACC_CHA_1950		5.99	294	4.06	3213	1381	39.415	5	609	3	6.38	1374	4.88	5.59	T8/75	0.764	1.24	0.972	1.35	1.858	3.25	1.233	0.8	5.52	12.541	18.17	15.936	12.373	14.715	14.802					
8/1	8/1 to 9/1									ACC_CHA_1904		5.78	297	4.423	2662	2125	39.04	5	609	3	7.42	T2/74	1.438	0.57	0.53		0.53	3.96	2.253	0.6	7.52	9.985	7.743	11.843	9.511	12.373	12.374								
9/1	9/1 to 10/1									ACC_CHA_1890		6.19	291	12.659	10231	4894	39.665	2	1200	3	4.32	5516	4.88	5.51	T4/78	0.852	0.68	0.882	0.89	0.88	1.57	0.868	0.878	5.51	7.336	0.563	8.858	8.253	9.918	10.381					
10/1	10/1 to 11/1									ACC_CHA_1890		6.31	289	12.884	10440	5187	15.567	2.5	1200	3	4.98	5187	4.65	5.11	TU/72	1.877	0.22	0.237		0.237	1.78	0.275</													

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



**FRASERS
PROPERTY**
FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

VANTAGE YATALA STAGE 1

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

Lot:	501
Plan:	SP295994
Local Authority:	CITY OF GOLD COAST COUNCIL
Level Datum:	AHD
Meridian:	-
Contour Interval:	-
PSM:	-
RL:	-

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ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE
1% AEP STORMWATER
DRAINAGE CALCULATIONS
TABLES SHEET 1 OF 2

C	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MGR	
B	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MGR	
B	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MGR	
A	01-06-2020	ORIGINAL ISSUE	BA	MGR	
9890	Date	Description	DPRN	CHG	

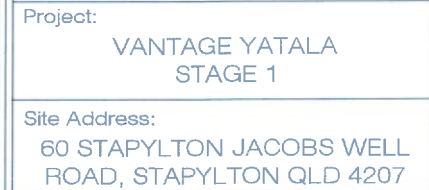
NOT APPLICABLE

Scale at A1: NOT APPLICABLE

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No:	Rev. No:
5941 ENG OPW1 552	C

LOCATION				SUB-CATCHMENT RUNOFF					INLET DESIGN					DRAIN DESIGN					HEAD LOSSES					PART FULL																			
STRUCTURE NO.	DRAIN SECTION	SUB-CATCHMENT TIME OF CONC. min	RAINFALL INTENSITY mm/h	SUB-CATCHMENT AREA ha	EQUVALENT AREA ha	SUB-CATCHMENT DISCHARGE L/s	Qa FLOW IN K&C (INC. BYPASS) L/s	ROAD GRADE AT INLET %	ROAD FALL AT INLET %	INLET TYPE	INLET CURVE	Qa FLOW INTO INLET L/s	Qb BYPASS FLOW L/s	BYPASS STRUCTURE No.	Tc CRITICAL TIME OF CONC. min	I RAINFALL INTENSITY mm/hr	CA TOTAL FLOW (C+A) ha	Qmax PEAK FLOW L/s	L REACH LENGTH m	R PIPE GRADE %	PPE PIPE SIZ mm	PPE CLASS	VQMA FLOW VELOCITY L/s	Qcap CAPACITY FLOW L/s	Vcap CAPACITY VELOCITY L/s	Vt TRAVEL VELOCITY m/s	CHARTRD USED	VQMG HEAD LOSS COEFFICIENT	Pfo US HEAD LOSS	Qa US HEAD LOSS	Kw M.S.R. COEFFICIENT	Qmax CHANGE IN W.S.E. mm	Sf PIPE FRICTION SLOPE %	Hf PIPE FRICTION HEAD LOSS m	dh NORMAL DEPTH m	Yn NORMAL DEPTH m	PPE DW L.L. m	PPE DW L.L. m	PPE DW L.L. m	PPE DW L.L. m	W.S.E. m	GRADE LEVEL m	
2/25	2025 to 1772	5	307	0.047	0.046	40	40			SAG_BK_2400_Lip	SAG	-4689	4729	524	5	307	0.226	203	738	6.856	1	375	3	6.89	175	1.59	6.89	T1	2.235	0.2	5.46	0.48	17.76	8.17	0.375	8.69	8.014	8.004	10.894	8.924	10.854	10.854	
1/26	1026 to 1772	5	307	0.183	0.181	156	3457			SAG_BK_2400_Lip	SAG		3654	1025	5	307	0.181	168	2	10.958	1	375	3	0.82	175	1.69	0.85	G1	0	4.78	0	0	0	0	0.028	0.53	8.17	9.08	8.924	8.924	8.924	10.854	
1/27	1027 to 2027	5	307	0.181	0.189	161	1379			900x900		1579	6	127	5	307	0.196	161	1579	5.182	1	375	3	14.3	175	1.59	14.3	G1	0.207	2.67	0.429	0.429	1.61	0.083	0.378	14.3	8.332	8.28	16.826	10.743	11.256	11.255	
2/27	2027 to 1672	5	307	0.044	0.044	37	37	0.58	3	GRADE_BK_2400_Lip	0.50 3X	-1573	1818	925	5.81	307	0.232	198	7	6.888	1	375	3	0.86	175	1.59	8.77	T1	0	8.2	0	0	0	0	0.05	0.77	9.21	8.201	10.354	10.284	10.284	10.743	
1/29	1029 to 2759	5	307	0.228	0.225	192	192			900x900		182	0	209	5	307	0.225	192	182	5.182	1	375	3	1.74	175	1.59	1.74	G1	0.154	2.12	0.327	0.327	1.2	0.052	0.373	1.74	9.728	8.974	11.251	11.169	11.278	11.654	
2/29	2029 to 1572	5	307	0.045	0.044	38	1232	1.2	2	GRADE_BK_2400_Lip	1/2 3X	-186	1418	127	5.85	308	0.209	229	5	6.889	2	375	3	8.85	248	2.35	8.8	T1	0	6.3	0	0	0	0	0	0.637	8.9	8.803	8.858	11.821	11.821	11.821	11.859
1/30	1030 to 2750	5	307	0.679	0.671	872	572			1200x1200		481	81	236	5	307	0.671	672	481	6.717	0.5	600	3	1.7	434	1.54	1.7	G1	0.147	2.37	0.38	0.38	0.61	0.035	0.6	1.7	9.328	8.296	11.811	11.478	11.861	13	
2/30	2030 to 1427	5	307	0.058	0.058	49	1607	2.8	3	GRADE_BK_2400_Lip	2/3 3X	-471	2378	128	5.86	304	0.328	820	8	11.836	0.3	600	3	0.93	434	1.54	0.6	T2/T3	0	6.38	0	0	0	0	0.057	0.6	9.219	8.814	11.326	11.326	11.326	11.478	
1/31	1031 to 2511	5	307	0.588	0.582	486	488			1200x1200		369	127	251	5	307	0.582	486	369	6.684	1	825	3	1.7	430	1.80	2.23	G1	0.148	2.42	0.389	0.389	0.73	0.04	0.604	0.374	2.23	10.44	10.385	12.22	12.18	12.579	12.579
2/31	2031 to 1222	5	307	0.060	0.060	51	638	2.88	3	GRADE_BK_2400_Lip	2/3 3X	-507	1188	208	5.9																												



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

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

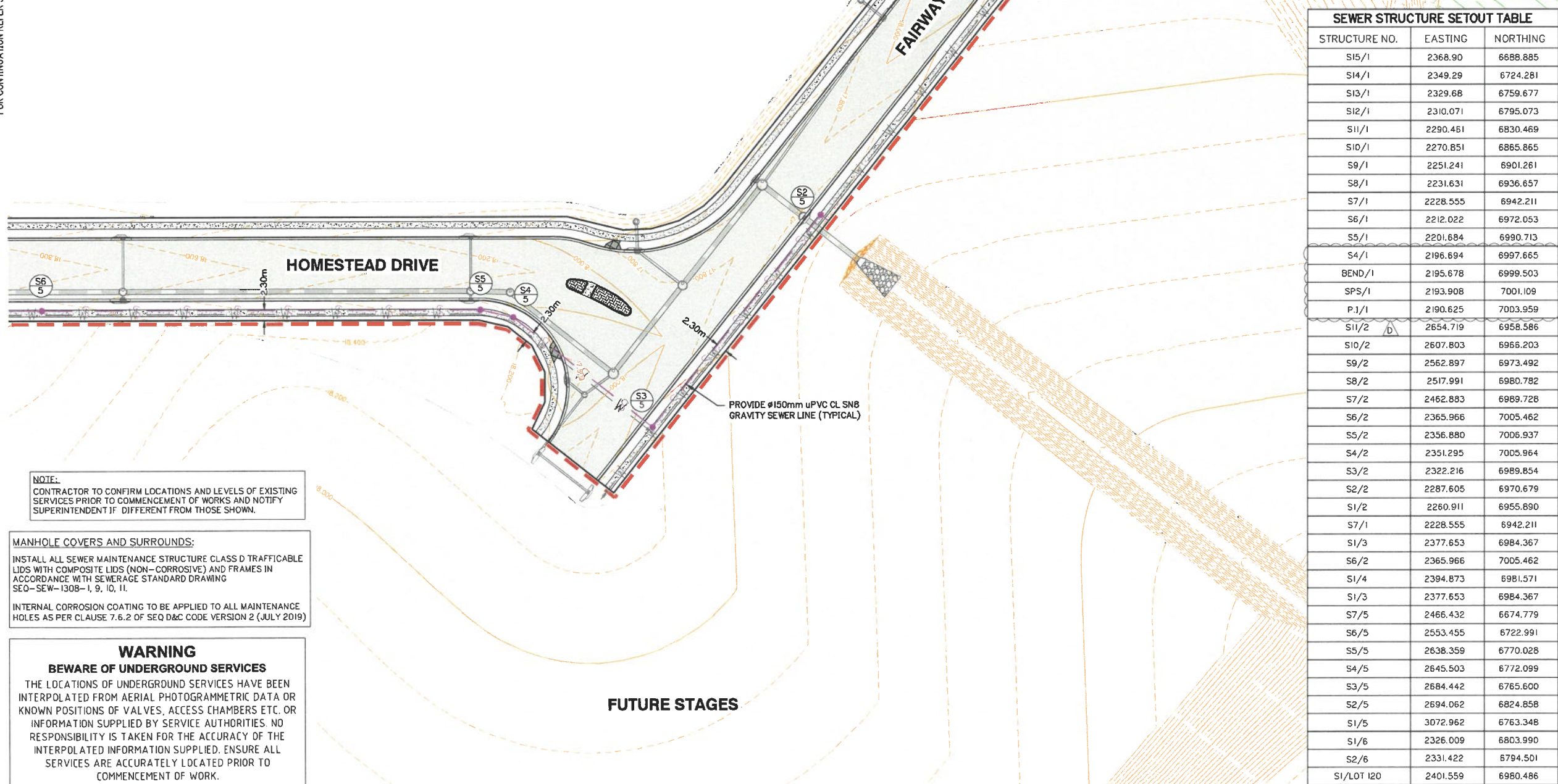
C	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG	
D	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG	
B	25-06-2020	MINOR CHANGE TO STAGE 1	BA	MG	
A	01-06-2020	ORIGINAL ISSUE	BA	MG	
Issue	Date	Description	DRN	CRN	

Drawing No:	Rev. No:
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**KEY PLAN**
SCALE 1:7500**120**
RL16.6**PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL**

Application No: MIN/2021/195

Dated: 24 June 2021

Development shall comply with the conditions of approval as detailed in the Decision Notice and Council's Planning Scheme, Local Laws and Planning Policies**NOTE:**
CONTRACTOR TO CONFIRM LOCATIONS AND LEVELS OF EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS AND NOTIFY SUPERINTENDENT IF DIFFERENT FROM THOSE SHOWN.**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)

WARNING**BEWARE OF UNDERGROUND SERVICES**

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN 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. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

FUTURE STAGES**SEWER STRUCTURE SETOUT TABLE**

STRUCTURE NO.	EASTING	NORTHING
S15/1	2368.90	6888.885
S14/1	2349.29	6724.281
S13/1	2329.68	6759.677
S12/1	2310.071	6795.073
S11/1	2290.451	6830.469
S10/1	2270.851	6865.865
S9/1	2251.241	6901.261
S8/1	2231.631	6936.657
S7/1	2228.555	6942.211
S6/1	2212.022	6972.053
S5/1	2201.684	6990.713
S4/1	2196.694	6997.665
BEND/1	2195.678	6999.503
SPS/1	2193.908	7001.109
P.1/1	2190.625	7003.959
S11/2	2654.719	6958.586
S10/2	2607.803	6966.203
S9/2	2562.897	6973.492
S8/2	2517.991	6980.782
S7/2	2462.883	6989.726
S6/2	2365.966	7005.462
S5/2	2356.880	7006.937
S4/2	2351.295	7005.964
S3/2	2322.216	6989.854
S2/2	2287.605	6970.679
S1/2	2260.911	6955.890
S7/1	2228.555	6942.211
S1/3	2377.653	6984.367
S6/2	2365.966	7005.462
S1/4	2394.873	6981.571
S1/3	2377.653	6984.367
S7/5	2466.432	6674.779
S6/5	2553.455	6722.991
S5/5	2638.359	6770.028
S4/5	2645.503	6772.099
S3/5	2684.442	6765.600
S2/5	2694.062	6824.858
S1/5	3072.962	6763.348
S1/6	2326.009	6803.990
S2/6	2331.422	6794.501
S1/LOT 120	2401.559	6980.486

Client:

FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207**THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR**

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE**SEWER RETICULATION
LAYOUT PLAN SHEET 3 OF 4**

Issue	Date	Description	Drawn	Check
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
O	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-06-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

0 10 20 30 40 50
1:500 (FULL SIZE A1)
1:1000 (HALF SIZE A3)

Scale at A1: 1:500

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

Drawing No: 5941 ENG OPW1 602 Rev. No: D



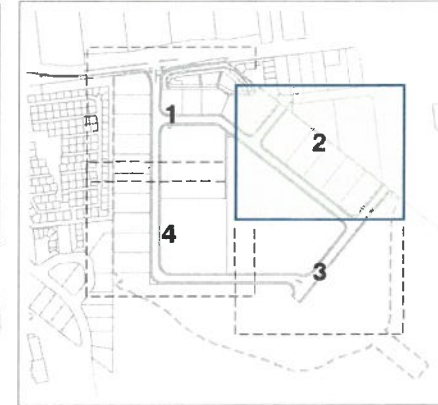
LIVE CONNECTION TO BE CUT-IN CONNECTION METHOD TEE ONTO EXISTING LINE. REFER DETAIL A

CAUTION

EXISTING TELSTRA AND ELECTRICAL IN THIS AREA

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN 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. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.



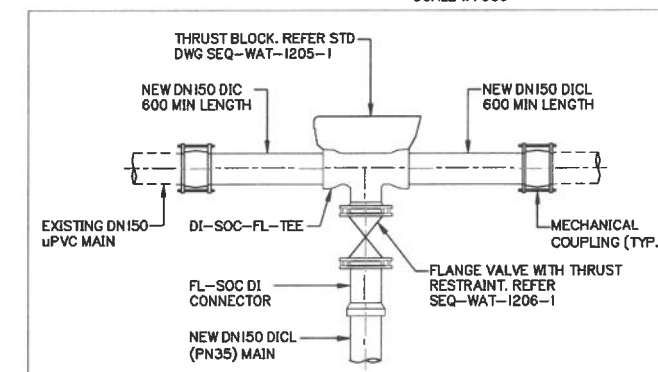
KEY PLAN
SCALE 1:7500

PLANS AND DOCUMENTS referred to in the DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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



DETAIL A
CUT-IN CONNECTION METHOD
IN ACCORDANCE WITH SEQ STD DWG SEQ-WAT-1105-1-C, CUT-IN WITH VALVE INTO EXISTING MAIN
SCALE 1:50

FOR CONTINUATION REFER SHEET No.5941 ENG OPW1 700

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

WATER FITTING SCHEDULE

No	DESCRIPTION
1	FIRE HYDRANT
2	BEND 90°
3	BEND 22.5°
4	BEND 11.25°
5	SLUICE VALVE
6	150x150 TEE
7	END CAP
8	150x150 TEE WITH BLANK FLANGES

120

RL18.6

LIVE WORKS SCHEDULE – WATER

No	DESCRIPTION	DIA MAIN	FSL	ESL	IL	DEPTH TO INVERT (FSL)	DEPTH TO INVERT (ESL)
(A)	CONTRACTOR TO TURN WATER MAIN OFF AT THE NEAREST UPSTREAM SLUICE VALVE						
(B)	CONTRACTOR TO MAKE CONNECTION TO EXISTING WATER MAIN IN ACCORDANCE WITH THE "CUT-IN CONNECTION" METHOD AS DETAILED UNDER GCWW SUPERVISION	150mm DICL PN35	17.190m	17.190m	16.260m	0.930m	0.930m
(C)	SLUICE VALVE SHALL REMAIN CLOSED UNTIL AFTER SUCCESSFUL "ON MAINTENANCE INSPECTION" NOTE: ALL WORKS TO BE CARRIED OUT UNDER GCWW SUPERVISION AND AT DEVELOPERS EXPENSE						

FOR CONTINUATION REFER SHEET No.5941 ENG OPW1 702

WATER RETICULATION LAYOUT PLAN SHEET 2 OF 4

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
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RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
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DRAWING TITLE

WATER RETICULATION
LAYOUT PLAN SHEET 2 OF 4

SCALE IN METRES

0 10 20 30 40 50
1:500 (FULL SIZE A1)
1:1000 (HALF SIZE A3)

Scale at A1: 1:500

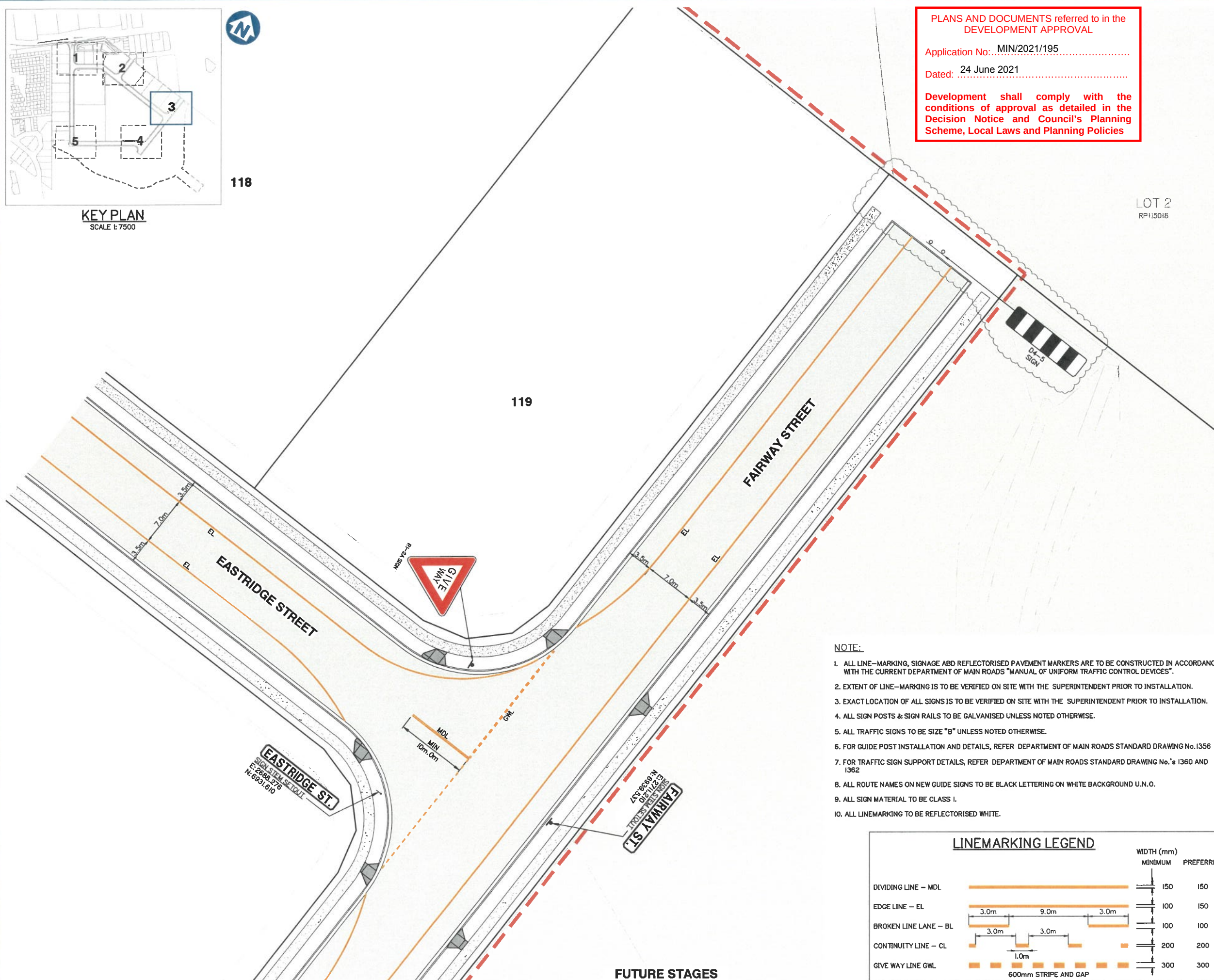
Designed: IG
Drafted: BA
Approved: MG
RPEQ: 16939
Signed:
Date: 27-04-2021

Drawing No: 5941 ENG OPW1 701
Rev. No: D



KEY PLAN
SCALE 1:7500

118



LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 5

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

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RPD:

Lot: 501
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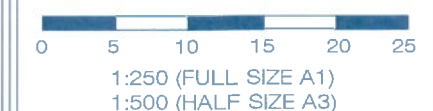
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 3 OF 5

Issue	Date	Description	Drawn	Check
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
C	09-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
D	11-06-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-06-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES



Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	27-04-2021

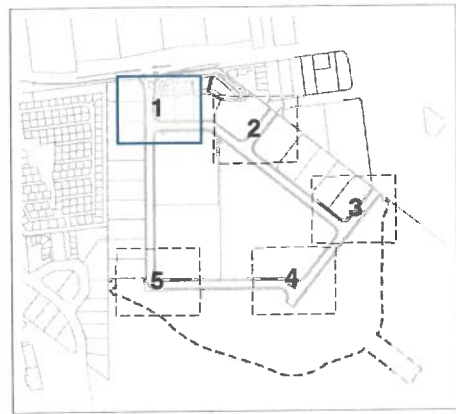
Drawing No: 5941 ENG OPW1 802
Rev. No: D

NOTE:

- ALL LINE-MARKING, SIGNAGE AND REFLECTORISED PAVEMENT MARKERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF MAIN ROADS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
- EXTENT OF LINE-MARKING IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
- EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
- ALL SIGN POSTS & SIGN RAILS TO BE GALVANISED UNLESS NOTED OTHERWISE.
- ALL TRAFFIC SIGNS TO BE SIZE "B" UNLESS NOTED OTHERWISE.
- FOR GUIDE POST INSTALLATION AND DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No. 1356
- FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.'s 1360 AND 1362
- ALL ROUTE NAMES ON NEW GUIDE SIGNS TO BE BLACK LETTERING ON WHITE BACKGROUND U.N.O.
- ALL SIGN MATERIAL TO BE CLASS 1.
- ALL LINEMARKING TO BE REFLECTORISED WHITE.

LINEMARKING LEGEND

		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE - MDL		150	150
EDGE LINE - EL		100	150
BROKEN LINE LANE - BL		100	100
CONTINUITY LINE - CL		200	200
GIVE WAY LINE GWL		300	300



KEY PLAN
SCALE 1:7500



KEEP CLEAR

HOMESTEAD DRIVE

111

112

EASTRIDGE ST.

SIGN STEM SETOUT
E: 2249.465
N: 6951.550

GWL (S)

MDL

MIN

10m.0m

GWL

EL

EASTRIDGE STREET

EL



122

3.5m

7.0m

3.5m

EL

EL

LINEMARKING AND SIGNAGE PLAN SHEET 1 OF 5

NOTE:

1. ALL LINE-MARKING, SIGNAGE AND REFLECTORISED PAVEMENT MARKERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF MAIN ROADS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
2. EXTENT OF LINE-MARKING IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
3. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
4. ALL SIGN POSTS & SIGN RAILS TO BE GALVANISED UNLESS NOTED OTHERWISE.
5. ALL TRAFFIC SIGNS TO BE SIZE "B" UNLESS NOTED OTHERWISE.
6. FOR GUIDE POST INSTALLATION AND DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.1356
7. FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.'s 1360 AND 1362
8. ALL ROUTE NAMES ON NEW GUIDE SIGNS TO BE BLACK LETTERING ON WHITE BACKGROUND U.N.O.
9. ALL SIGN MATERIAL TO BE CLASS I.
10. ALL LINEMARKING TO BE REFLECTORISED WHITE.

LINEMARKING LEGEND

		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE - MDL		150	150
EDGE LINE - EL		100	150
BROKEN LINE LANE - BL		100	100
CONTINUITY LINE - CL		200	200
GIVE WAY LINE - GWL		300	300
GIVE WAY LINE - GWL (S) SPECIAL PURPOSE		150	-

102

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No.: MIN/2021/195

Dated: 24 June 2021

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

103

HOMESTEAD ST.

SIGN STEM SETOUT
E: 2249.465
N: 6951.550

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 1 OF 5

Rev.	Date	Description	Rev.	CHK
E	24-05-2021	LINEMARKING DESIGN AMENDED FOR A-DOUBLE	BA	MG
D	12-05-2021	MINOR CHANGE	BA	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
B	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
A	01-08-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-08-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

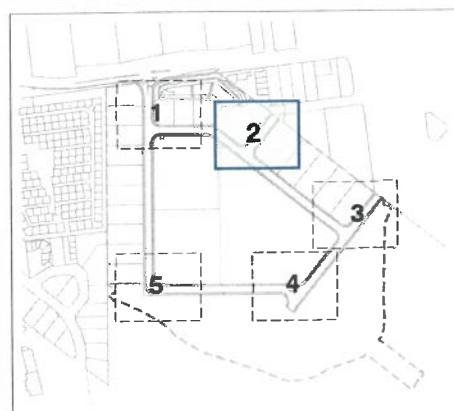


1:250 (FULL SIZE A1)
1:500 (HALF SIZE A3)

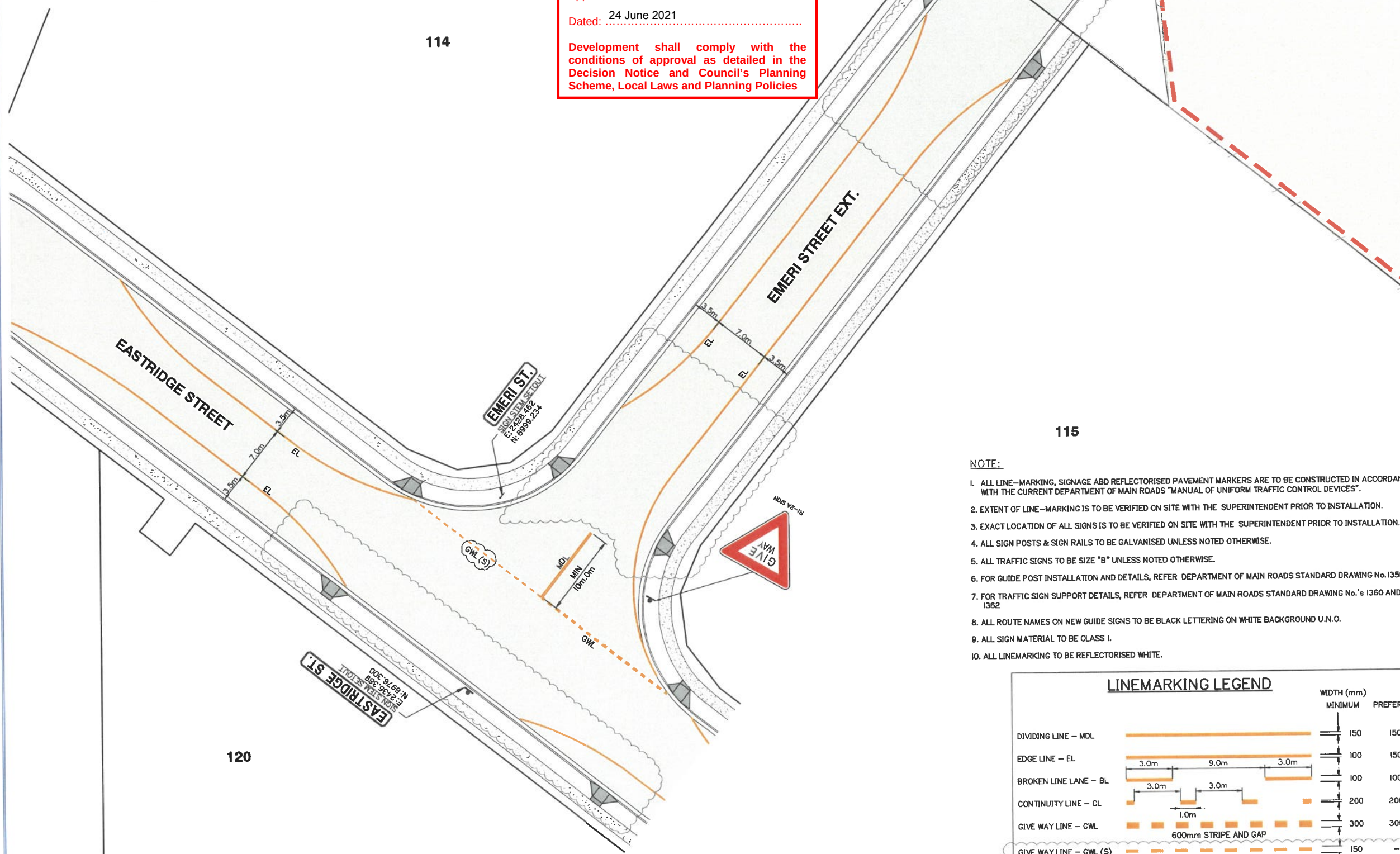
Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	24-05-2021

Drawing No: 5941 ENG OPW1 800 Rev. No: E



KEY PLAN
SCALE 1:7500



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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

NOTE:

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3. EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
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5. ALL TRAFFIC SIGNS TO BE SIZE "B" UNLESS NOTED OTHERWISE.
6. FOR GUIDE POST INSTALLATION AND DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.1356
7. FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.'s 1360 AND 1362
8. ALL ROUTE NAMES ON NEW GUIDE SIGNS TO BE BLACK LETTERING ON WHITE BACKGROUND U.N.O.
9. ALL SIGN MATERIAL TO BE CLASS I.
10. ALL LINEMARKING TO BE REFLECTORISED WHITE.

LINEMARKING LEGEND

		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE - MDL		150	150
EDGE LINE - EL		100	150
BROKEN LINE LANE - BL		100	100
CONTINUITY LINE - CL		200	200
GIVE WAY LINE - GWL		300	300
GIVE WAY LINE - GWL (S) SPECIAL PURPOSE		150	-

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
BE PRINTED IN COLOUR

RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
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DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 2 OF 5

Issue	Date	Description	Author	Check
C	24-05-2021	LINEMARKING DESIGN AMENDED FOR A-DRAWING	IG	MG
D	28-10-2021	ISSUED FOR CONSTRUCTION	BA	MG
E	22-05-2022	MINOR CHANGE TO STAGE 1	BA	MG
A	01-06-2021	ORIGINAL ISSUE	BA	MG

SCALE IN METRES



1:250 (FULL SIZE A1)
1:500 (HALF SIZE A3)

Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	24-05-2021

Drawing No: 5941 ENG OPW1 801 Rev. No: C



KEY PLAN
SCALE 1:7500

118

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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

119

LOT 2
RPH5018

FAIRWAY STREET

EASTRIDGE STREET

EASTRIDGE ST.
SIGN SETOUT
E 2689.276
N 6931.610

MDL
MIN
10m.0m

FAIRWAY ST.
SIGN SETOUT
E 2711.110
N 6839.337

NOTE:

1. ALL LINE-MARKING, SIGNAGE AND REFLECTORISED PAVEMENT MARKERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF MAIN ROADS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
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7. FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.'s 1360 AND 1362
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9. ALL SIGN MATERIAL TO BE CLASS I.
10. ALL LINEMARKING TO BE REFLECTORISED WHITE.

LINEMARKING LEGEND

		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE - MDL		150	150
EDGE LINE - EL		100	150
BROKEN LINE LANE - BL		100	100
CONTINUITY LINE - CL		200	200
GIVE WAY LINE - GWL		300	300
GIVE WAY LINE - GWL (S) SPECIAL PURPOSE		150	-

LINEMARKING AND SIGNAGE PLAN SHEET 3 OF 5

Client:



FRASERS PROPERTY
(AUSTRALIA) PTY. LTD.

Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

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RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
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DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 3 OF 5

Issue	Date	Description	Drawn	CHK
E	24-05-2021	LINEMARKING DESIGN AMENDED FOR A-DOUBLE	IG	MG
D	27-04-2021	AMENDMENT TO FAIRWAY STREET DESIGN	IG	MG
C	28-10-2020	ISSUED FOR CONSTRUCTION	BA	MG
B	22-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
A	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

0 5 10 15 20 25
1:250 (FULL SIZE A1)
1:500 (HALF SIZE A3)

Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	24-05-2021

Drawing No: 5941 ENG OPW1 802 Rev. No: E



KEY PLAN
SCALE 1:7500

NOTE:

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6. FOR GUIDE POST INSTALLATION AND DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.1356
7. FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No.'s 1360 AND 1362
8. ALL ROUTE NAMES ON NEW GUIDE SIGNS TO BE BLACK LETTERING ON WHITE BACKGROUND U.N.O.
9. ALL SIGN MATERIAL TO BE CLASS 1.
10. ALL LINEMARKING TO BE REFLECTORISED WHITE.



Client:



Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

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RPD:

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

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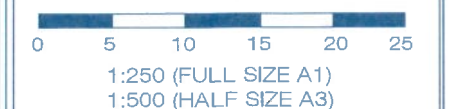
ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES

DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 4 OF 5

Issue	Date	Description	CRN	CHK
D	24-05-2021	LINEMARKING LEGEND UPDATED	IS	MG
C	02-09-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	13-06-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES

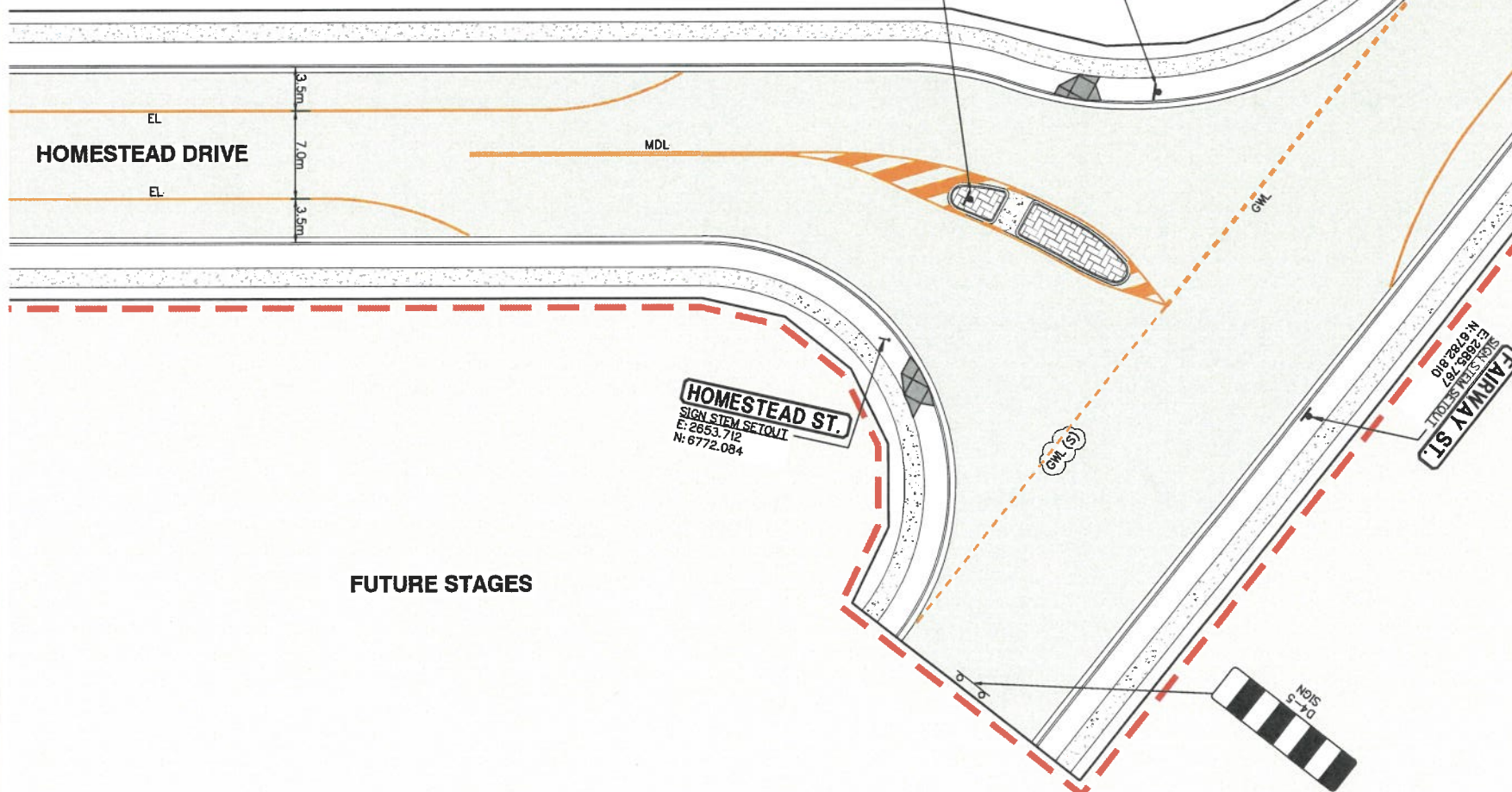


Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	24-05-2021

Drawing No: 5941 ENG OPW1 803 Rev. No: D

LINEMARKING LEGEND			
		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE – MDL		150	150
EDGE LINE – EL		100	150
BROKEN LINE LANE – BL		100	100
CONTINUITY LINE – CL		200	200
GIVE WAY LINE – GWL		300	300
GIVE WAY LINE – GWL (S) SPECIAL PURPOSE		150	-



PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

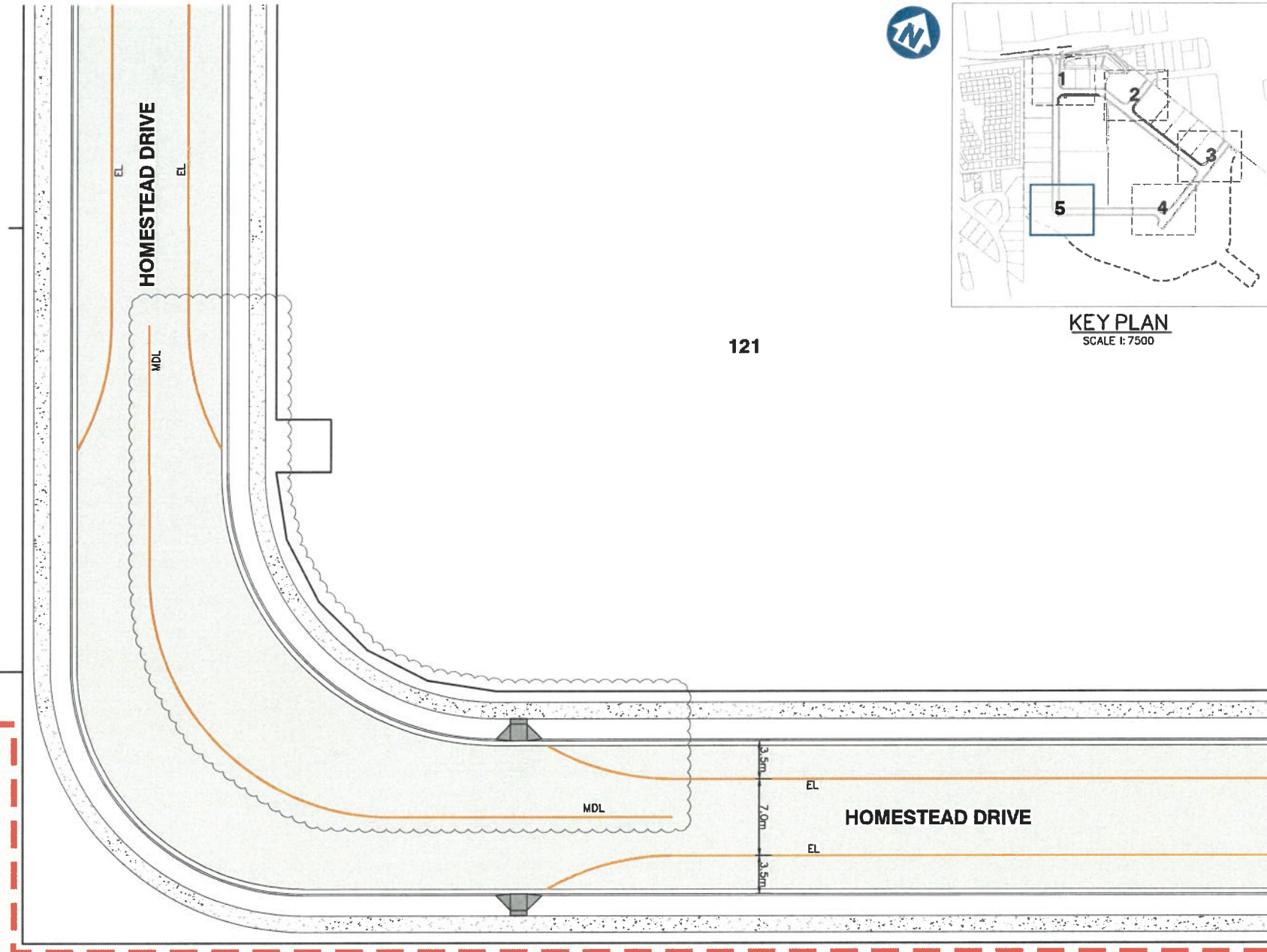
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7. FOR TRAFFIC SIGN SUPPORT DETAILS, REFER DEPARTMENT OF MAIN ROADS STANDARD DRAWING No. 1360 AND 1362
8. ALL ROUTE NAMES ON NEW GUIDE SIGNS TO BE BLACK LETTERING ON WHITE BACKGROUND U.N.O.
9. ALL SIGN MATERIAL TO BE CLASS I.
10. ALL LINEMARKING TO BE REFLECTORISED WHITE.

LINEMARKING LEGEND

		WIDTH (mm)	
		MINIMUM	PREFERRED
DIVIDING LINE - MDL		150	150
EDGE LINE - EL		100	150
BROKEN LINE LANE - BL		100	100
CONTINUITY LINE - CL		200	200
GIVE WAY LINE - GWL		300	300
GIVE WAY LINE - GWL (S) SPECIAL PURPOSE		150	-



FUTURE STAGE

PLANS AND DOCUMENTS referred to in the
DEVELOPMENT APPROVAL

Application No: MIN/2021/195

Dated: 24 June 2021

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:



Project:

VANTAGE YATALA
STAGE 1

Site Address:

60 STAPYLTON JACOBS WELL
ROAD, STAPYLTON QLD 4207

THIS DRAWING IS INTENDED TO
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RPD:

Lot: 501
Plan: SP295994
Local Authority: CITY OF GOLD COAST
COUNCIL
Level Datum: AHD
Meridian: -
Contour Interval: -
PSM: -
RL: -

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DRAWING TITLE

LINEMARKING AND SIGNAGE
PLAN SHEET 5 OF 5

Rev	Date	Description	DRN	CHK
D	24-06-2021	LINEMARKING DESIGN AMENDED FOR A-DOUBLES	IG	MG
C	02-06-2020	MINOR CHANGE TO STAGE 1	BA	MG
B	12-05-2020	INFORMATION REQUEST RESPONSE	BA	MG
A	01-05-2020	ORIGINAL ISSUE	BA	MG

SCALE IN METRES



Scale at A1: 1:250

Designed:	IG
Drafted:	BA
Approved:	MG
RPEQ:	16939
Signed:	
Date:	24-05-2021

Drawing No: 5941 ENG OPW1 804 Rev. No: D