MAMBOURIN ESTATE STAGE 3
FRASERS PROPERTY
AUSTRALIA

GENERAL NOTES:

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55.
2. ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
3. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED METROPOLITAN PLANNING AUTHORITY OR MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS WHERE NOTED AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
4. ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
7. ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
8. ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
9. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
11. NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
12. TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M'S THEREAFTER.
13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
14. ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
15. WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUDGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION.
16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.
17. GAS AND WATER CONDUITS ARE TO BE ,
    Ø50mm . CLASS 12 P.V.C. - SINGLE SERVICE
    Ø100mm . CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)

    WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
    ROAD PAVEMENT - 0.80m
    VERGE, FOOTPATHS - 0.45m
17. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION .
18. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE METROPOLITAN PLANNING AUTHORITY STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
19. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
20. WHERE CURVED PIPE ALIGNMENTS ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
21. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
22. TELSTRA IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
23. PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
24. WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
25. WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
26. ALL VEHICLE CROSSINGS ARE IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
27. LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742-1 AND AS 1742-2 UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH METROPOLITAN PLANNING AUTHORITY STANDARDS.
28. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
29. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.
30. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. SEMP TO BE APPROVED BY COUNCIL PRIOR TO THE COMMENCEMENT OF WORKS.
31. ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
32. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.
33. THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT UP TO DATE FOR THE DURATION OF THE CONTRACT.
34. ALL PITS / MANHOLES IN CONCRETED AREAS TO BE CONSTRUCTED IN ACCORDANCE WITH WCC DETAIL SD2-5.
35. ALL NATURESTRIPS, FROM BACK OF KERB TO EXISTING EDGE OF PATH OR PROPERTY BOUNDARY ARE TO BE FILLED TO A CLEAN, TIDY CONDITION, TOP DRESSED (50MM LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND HYDROSEEDED.
36. ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIA ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.
37. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION.
    RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

DRAWING INDEX

Drawing Number	Drawing Name
303978R01	FACE SHEET
303978R02	DETAIL PLAN - SHEET 1 OF 2
303978R03	DETAIL PLAN - SHEET 2 OF 2
303978R04	LONGITUDINAL SECTION - PLANE AVENUE
303978R05	LONGITUDINAL SECTION - BARRABOOL BOULEVARD & SHALLOW STREET
303978R06	LONGITUDINAL SECTION - COURSE STREET, SEDGE STREET, YARD STREET & FLOW STREET
303978R07	LONGITUDINAL SECTION - WEBB STREET & GLOVER STREET
303978R08	CROSS SECTIONS - PLANE AVENUE
303978R09	CROSS SECTIONS - PLANE AVENUE
303978R10	CROSS SECTIONS - PLANE AVENUE & BARRABOOL BOULEVARD
303978R11	CROSS SECTIONS - BARRABOOL BOULEVARD & SHALLOW STREET
303978R12	CROSS SECTIONS - COURSE STREET
303978R13	CROSS SECTIONS - SEDGE STREET
303978R14	CROSS SECTIONS - YARD STREET
303978R15	CROSS SECTIONS - FLOW STREET
303978R16	CROSS SECTIONS - WEBB STREET & GLOVER STREET
303978R17	INTERSECTION DETAILS - SHEET 1 OF 6
303978R18	INTERSECTION DETAILS - SHEET 2 OF 6
303978R19	INTERSECTION DETAILS - SHEET 3 OF 6
303978R20	INTERSECTION DETAILS - SHEET 4 OF 6
303978R21	INTERSECTION DETAILS - SHEET 5 OF 6
303978R22	INTERSECTION DETAILS - SHEET 6 OF 6
303978R23	DRAINAGE LONG SECTION - SHEET 1 OF 10
303978R24	DRAINAGE LONG SECTION - SHEET 2 OF 10
303978R25	DRAINAGE LONG SECTION - SHEET 3 OF 10
303978R26	DRAINAGE LONG SECTION - SHEET 4 OF 10
303978R27	DRAINAGE LONG SECTION - SHEET 5 OF 10
303978R28	DRAINAGE LONG SECTION - SHEET 6 OF 10
303978R29	DRAINAGE LONG SECTION - SHEET 7 OF 10
303978R30	DRAINAGE LONG SECTION - SHEET 8 OF 10
303978R31	DRAINAGE LONG SECTION - SHEET 9 OF 10
303978R32	DRAINAGE LONG SECTION - SHEET 10 OF 10 & PIT SCHEDULE
303978R33	PIT DETAILS
303978R34	PAVEMENT & TYPICAL DETAILS
303978R35	SIGNAGE AND LINEMARKING PLAN - SHEET 1 OF 3
303978R36	SIGNAGE AND LINEMARKING PLAN - SHEET 2 OF 3
303978R37	SIGNAGE AND LINEMARKING PLAN - SHEET 3 OF 3
303978R38	RAISED PAVEMENT DETAILS

COPYRIGHT MELWAY PUBLISHING PTY LTD
REPRODUCED WITH PERMISSION

LOCALITY PLAN

SCALE: NOT TO SCALE
MAP: 204 E5

SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		ELECTRICITY				TELECOM	
							POLE		U/G CABLE			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
BARRABOOL BOULEVARD (SOUTH OF ROUNDABOUT)	W	3.25	W	2.50	W	2.10	E	0.80*	E	4.05	E	3.50
BARRABOOL BOULEVARD (NORTH OF ROUNDABOUT)	W	3.25	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.85
PLANE AVENUE	S	3.65	S	2.90	S	2.25	S	0.80*	N	2.60	N	1.85
COURSE STREET	N	2.95	N	2.50	N	2.10	S	0.80*	S	2.60	S	1.85
SHALLOW STREET	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.40	E	1.85
SEDGE STREET (NORTH OF COURSE STREET)	E	2.95	E	2.50	E	2.10	W	0.80*	W	2.60	W	1.85
SEDGE STREET (SOUTH OF COURSE STREET)	E	2.95	E	2.50	E	2.10	W	0.80*	W	2.45	W	1.85
YARD STREET	N	2.95	N	2.50	N	2.10	S	0.80*	S	2.60	S	1.85
FLOW STREET	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.85
WEBB STREET	W	3.00	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.85
GLOVER STREET	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.85

1. TELSTRA AND ELECTRICITY CABLES ARE TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRAWINGS.
2. GAS AND WATER MAINS ARE TO BE CONSTRUCTED IN A COMMON TRENCH.
3. * DENOTES OFFSET FROM BACK OF KERB.
4. LIGHT POLES DIMENSIONED TO CENTRE OF POLE.

DIAL BEFORE YOU DIG
www.1100.com.au

WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OVERHEAD ELECTRICITY & POLE	OE	OE
TELSTRA & SERVICE PIT	T	T
OPTIC FIBRE	OF	OF
OVERHEAD TELSTRA	OT	
GAS MAIN	G	G
BRANCH SEWER & MANHOLE	S	S
SEWER & MANHOLE	S	S
SEWER RISING MAIN	SRM	SRM
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN & PIT		
STORMWATER DRAINAGE PROPERTY INLETS		
COUNCIL STORMWATER PITS		
HOUSE DRAIN	H	H
AG DRAIN AND FLUSHER	AG	AG
MWC STORMWATER DRAIN & PIT		
MWC STORMWATER PITS		
STORMWATER DRAINAGE PIT NUMBER	1	1
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING		
PAVEMENT SAWCUT LINE		SAWCUT
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR MINOR	168.90	168.90
SURFACE CONTOUR MAJOR	169.00	169.00
SURFACE LEVEL	123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
LIGHT & POLE (BY OTHERS)		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH116.57 (L/R)TP CH116.57	CH116.57 (L/R)TP CH116.57
LOT CHAINAGE	CH20.06	CH20.06
SETOUT POINT		A2
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.30m		
FILL EXTENTS		
ROCK BEACHING		
PARKING BAY/PAVED AREA		
RETAINING WALL - TIMBER		
RETAINING WALL - CONCRETE		
RETAINING WALL - ROCK/STONE		
GRASSED MAINTENANCE ACCESS TRACK		
GRAVEL MAINTENANCE ACCESS TRACK		
FENCE - TREE PROTECTION		
FENCE - VEHICLE EXCLUSION		
FENCES		
GUARD RAIL		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE REMOVED		
VEGETATION LINE		

Rev	Amendments	Approved	Date
4	SHEETS 3, 28, 32 & 33 UPDATED.	M.L	22-05-19
3	SHEETS 1 & 2 UPDATED, SERVICE OFFSET TABLE.	M.L	11-04-19
2	SHEET 1, 3, 32, & 33 UPDATED.	M.L	14/03/19
1	SHEET 2, 3, 30, 31, 32, 33 & 38 UPDATED.	M.L	18/01/19
0	CONSTRUCTION ISSUE	M.L	20/11/18

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed: R. WEINBER
Checked: M. CAIRNEY
Authorised: M. CAIRNEY
Date: 20/08/18

MAMBOURIN ESTATE STAGE 3
FACE SHEET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R01** Rev **4**

Rev	Amendments	Approved	Date
3	FUTURE LOT 1010 DRIVE UPDATED. DRAINAGE MINIMUM IL NOTE ADDED.	M.L	11/04/19
2	PORPHYRY STONE THRESHOLD TREATMENT ADDED TO RAISED PAVEMENT	M.L	18/01/19
	APPROACH		
1	PIT 9 & 20 UPDATED TO DOUBLE GRATED SIDE ENTRY PIT. PIT 10 & 31 UPDATED TO	M.L	29/11/18
	GRATED SIDE ENTRY PIT.		
0	CONSTRUCTION ISSUE	M.L	20/11/18

1:500,A1

Horizontal 0 5 10 15 20 25

Vertical 0 5 10 15 20 25

dlcs LS/NZS ISO 9001 certified LS/NZS ISO 14001 certified LS/NZS ISO 45001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER

Checked M. CAIRNEY

Authorised M. CAIRNEY

Date 20/08/18

MAMBOURIN ESTATE STAGE 3

DETAIL PLAN SHEET 1 OF 2

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION

Drg No 303978R02

Rev 3

Rev	Amendments	Approved	Date
4	PIT 93 OUTLINE UPDATED. LAYBACK ADDED FOR FUTURE LOT 747. FOOTPATH	M.L	14/03/19
	CONSTRUCTION AND GW CONDUIT NOTES ADDED ON EAST SIDE OF ROUNDABOUT.		
3	PIT 93 OUTLINE UPDATED	M.L	14/03/19
2	VEHICLE GRADE PORPHYRY SETTS ON THE PERIMETER OF THE ROUNDABOUT	M.L	18/01/19
	& PORPHYRY STONE THRESHOLD TREATMENT ADDED TO RAISED PAVEMENT		
	APPROACH.		
	DRAINAGE PIPE SIZE PIT 93 TO 98 & PIT 93 TO 105 UPDATED.		
1	PIT 31 & 104 UPDATED TO GRATED SIDE ENTRY PIT. PIT 97, 99 & 106 MOVED.	M.L	29/11/18

1:500,A1

Horizontal 0 5 10 15 20 25

Vertical 0 5 10 15 20 25

dlcs AS/NZS ISO 9001 certified AS/NZS ISO 14001 certified AS/NZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER

Checked M. CAIRNEY

Authorised M. CAIRNEY

Date 20/08/18

MAMBOURIN ESTATE STAGE 3

DETAIL PLAN SHEET 2 OF 2

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R03** Rev **4**

PLANE AVENUE

PLANE AVENUE

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50,A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
LONGITUDINAL SECTION - PLANE AVENUE

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R04** Rev **0**

HORIZONTAL CURVE
VC LENGTH
DESIGN CL GRADE
DATUM 34

CHAINAGE	DESIGN CL SURFACE LEVEL	LEFT DESIGN LIP OF KERB	RIGHT DESIGN LIP OF KERB	EXISTING SURFACE
480.00	36.612	36.450	36.450	36.640
484.30	36.635	36.473	36.473	36.709
495.00	36.693	36.532	36.532	36.780
498.30	36.711	36.550	36.550	36.796
510.00	36.775	36.614	36.614	36.898
512.30	36.788	36.626	36.626	36.917
TP's 516.51	36.811	36.649	36.649	36.952
524.39	36.854	36.692	36.692	37.014
525.00	36.857	36.695	36.695	37.018
TP's 532.19	36.896	36.735	36.735	37.067
537.09	36.923	36.761	36.761	37.107
540.00	36.939	36.777	36.777	37.129
555.00	37.020	36.859	36.859	37.234
TP's 562.35	37.061	36.899	36.899	37.274
TP's 565.48	37.078	36.993	36.993	37.297
570.00	37.102	37.017	37.017	37.335
584.94	37.184	37.099	37.099	37.445
585.00	37.184	37.099	37.099	37.446
TP's 588.92	37.205	37.120	37.120	37.468
LTP 591.95	37.222	37.060	37.061	37.486
RTP 592.14	37.223	37.061	37.061	37.487
600.00	37.266	37.104	37.104	37.533
600.45	37.268	37.107	37.107	37.535
TP's 603.43	37.284	37.123	37.123	37.547
605.99	37.298			37.555
615.00	37.348			37.559
630.00	37.429			37.553
645.00	37.511			37.771
645.95	37.516			37.776
653.38	37.557			37.833
660.00	37.598			37.908
663.38	37.623			37.946
673.38	37.715			38.073
675.00	37.731			38.095
690.00	37.887			38.294
RTP 693.37	37.921	37.719		38.338
LTP 693.71	37.925	37.711	37.724	38.343
695.32	37.942	37.733	37.745	38.364
697.72	37.967	37.767	37.777	38.396
700.42	37.996	37.805	37.812	38.449
705.00	38.053	37.873	37.877	38.541
707.72	38.091	37.917	37.920	38.595
709.79	38.122	37.951	37.953	38.636
712.59	38.167	38.001	38.001	38.689
717.72	38.257	38.095	38.094	38.783
720.00	38.300	38.138	38.137	38.826
722.14	38.340	38.178	38.178	38.866
722.60	38.348	38.187	38.187	38.875
723.36	38.362	38.201	38.201	38.889
724.82	38.390	38.228	38.228	38.917
726.75	38.426	38.264	38.264	38.953
735.00	38.580	38.418	38.418	39.151
750.00	38.861	38.699	38.699	39.506
765.00	39.141	38.979	38.979	39.832
780.00	39.421	39.260	39.260	40.129
795.00	39.702	39.540	39.540	40.377
810.00	39.982	39.821	39.821	40.612
825.00	40.263	40.101	40.101	40.924

BARRABOOL BOULEVARD

HORIZONTAL CURVE
VC LENGTH
DESIGN CL GRADE
DATUM 35

CHAINAGE	DESIGN CL SURFACE LEVEL	LEFT DESIGN LIP OF KERB	RIGHT DESIGN LIP OF KERB	EXISTING SURFACE
11.80	36.455	36.348	36.348	35.942
15.00	36.471	36.364	36.364	35.958
30.00	36.546	36.439	36.439	36.048
40.00	36.596	36.489	36.489	36.131
45.00	36.621	36.514	36.514	36.182
54.00	36.666	36.559	36.559	36.291
60.00	36.696	36.590	36.590	36.380
66.50	36.729	36.622	36.622	36.447
68.00	36.736	36.630	36.630	36.458
75.00	36.771	36.665	36.665	36.507
79.00	36.791	36.685	36.685	36.531
82.00	36.806	36.700	36.700	36.549
90.00	36.846	36.740	36.740	36.551
90.50	36.849	36.742	36.742	36.550
91.50	36.854	36.747	36.747	36.549
99.00	36.891	36.785	36.785	36.560
105.00	36.921	36.815	36.815	36.593
105.50	36.924	36.817	36.817	36.596
111.50	36.954	36.847	36.847	36.632
120.00	36.996	36.890	36.890	36.661
121.50	37.004	36.897	36.897	36.666
124.00	37.016	36.910	36.910	36.674
135.00	37.071	36.965	36.965	36.750
135.50	37.074	36.967	36.967	36.755
TP'S 138.00	37.086	36.980	36.980	36.777
141.21	37.102	36.996	36.996	36.794
147.13	37.132	37.025	37.025	36.831
150.00	37.146	37.040	37.040	36.854
152.34	37.158	37.051	37.051	36.874
159.28	37.193	37.086	37.086	36.934
TP'S 163.32	37.213	37.106	37.106	36.976
165.00	37.221	37.115	37.115	36.994
173.11	37.262	37.155	37.155	37.061
173.16	37.262	37.156	37.156	37.061
180.00	37.296	37.190	37.190	37.085
189.16	37.342	37.236	37.236	37.119
189.17	37.342	37.236	37.236	37.119
195.00	37.371	37.265	37.265	37.150
RTP 201.10	37.402	37.295	37.295	37.185
LTP 201.36	37.403	37.297		37.186

SHALLOW STREET

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50,A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
LONGITUDINAL SECTION - BARRABOOL BOULEVARD & SHALLOW STREET
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R05** Rev **0**

EXISTING SURFACE
CL DESIGN SURFACE
LEFT AND RIGHT DESIGN LIP OF KERB
SHALLOW STREET
I.P. 37.385
I.P. 37.137
R50.00m
15.00m V.C.
HORIZONTAL CURVE
VC LENGTH
DESIGN CL GRADE
0.500 %
-0.647 %
-0.500 %
DATUM 35.5

| | | |

CL DESIGN SURFACE
LEFT AND RIGHT DESIGN LIP OF KERB
EXISTING SURFACE
LIMIT OF WORKS Ch13.75
FUTURE DEVELOPMENT
I.P. 38.116
I.P. 39.421
HORIZONTAL CURVE
VC LENGTH
DESIGN CL GRADE
30.00m V.C.
R94.00m
0.500 %
2.197 %
2.240 %
DATUM 36.5

| | | |

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL	37.692	38.487	38.520	38.519	38.489	38.289	38.289	38.139	38.189	38.361	38.189	38.139	38.289	38.289	38.343	38.403	38.510	38.540	38.541	38.513
EXISTING SURFACE LEVEL	37.692	37.595	37.576	37.575	37.547	37.484	37.482	37.481	37.472	37.355	37.258	37.252	37.252	37.250	37.227	37.182	37.137	37.115	37.114	37.112
OFFSET	-16.371	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	15.041

PLANE AVENUE

Ch 223.01

DATUM 36

DESIGN SURFACE LEVEL	37.533	38.559	38.592	38.591	38.561	38.361	38.361	38.211	38.261	38.433	38.261	38.211	38.361	38.361	38.415	38.475	38.582	38.612	38.613	38.582
EXISTING SURFACE LEVEL	37.533	37.415	37.396	37.395	37.366	37.302	37.300	37.249	37.240	37.211	37.133	37.126	37.126	37.124	37.101	37.058	37.016	36.995	36.995	36.993
OFFSET	-17.756	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	15.053

PLANE AVENUE

Ch 202.76

DATUM 36

DESIGN SURFACE LEVEL	37.328	38.452	38.485	38.445	38.414	38.214	38.214	38.064	38.114	38.286	38.114	38.064	38.214	38.214	38.267	38.327	38.436	38.466	38.467	38.477
EXISTING SURFACE LEVEL	37.328	37.201	37.185	37.185	37.184	37.161	37.111	37.109	37.108	37.101	37.030	36.968	36.963	36.962	36.961	36.943	36.910	36.877	36.861	36.860	36.859
OFFSET	-18.398	-11.653	-10.653	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	14.997

PLANE AVENUE

Ch 173.30

DATUM 36

DESIGN SURFACE LEVEL	37.189	38.341	38.375	38.335	38.304	38.104	38.104	37.954	38.004	38.175	38.004	37.954	38.104	38.104	38.157	38.217	38.367	38.397	38.398	38.598
EXISTING SURFACE LEVEL	37.189	37.113	37.101	37.101	37.100	37.083	37.045	37.044	37.043	37.038	36.992	36.955	36.952	36.951	36.939	36.918	36.897	36.887	36.887	36.874
OFFSET	-18.564	-11.653	-10.653	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	16.900

PLANE AVENUE

Ch 151.20

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 150_A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

dlcs AS/NZS ISO 9001 certified AS/NZS 4801 certified AS/NZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - PLANE AVENUE

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R08** Rev **0**

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL	37.934	38.096	38.129	38.128	38.098	37.898	37.898	37.748	37.798	37.970	37.798	37.748	37.898	37.898	37.951	38.011	38.098	38.128	38.129	38.319
EXISTING SURFACE LEVEL	37.934	37.912	37.893	37.892	37.863	37.800	37.798	37.797	37.788	37.699	37.639	37.635	37.634	37.633	37.618	37.586	37.550	37.530	37.529	37.516
OFFSET	-12.574	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	15.846

PLANE AVENUE

Ch 301.26

DATUM 37

DESIGN SURFACE LEVEL	37.950	38.157	38.190	38.189	38.159	37.959	37.959	37.809	37.859	38.031	37.859	37.809	37.959	37.959	38.013	38.073	38.160	38.190	38.191	38.415
EXISTING SURFACE LEVEL	37.950	37.920	37.895	37.894	37.856	37.783	37.781	37.780	37.772	37.690	37.610	37.603	37.602	37.601	37.579	37.540	37.502	37.482	37.481	37.467
OFFSET	-12.841	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	16.023

PLANE AVENUE

Ch 289.00

DATUM 36

DESIGN SURFACE LEVEL	37.765	38.335	38.368	38.367	38.337	38.137	38.137	37.987	38.037	38.208	38.037	37.987	38.137	38.137	38.190	38.250	38.337	38.367	38.368	38.412
EXISTING SURFACE LEVEL	37.765	37.693	37.672	37.671	37.639	37.580	37.578	37.577	37.569	37.489	37.413	37.407	37.406	37.404	37.381	37.338	37.295	37.266	37.265	37.263
OFFSET	-15.015	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	15.118

PLANE AVENUE

Ch 253.52

DATUM 36

DESIGN SURFACE LEVEL	37.764	38.337	38.371	38.370	38.340	38.140	38.140	37.990	38.040	38.211	38.040	37.990	38.140	38.140	38.193	38.253	38.340	38.370	38.371	38.408
EXISTING SURFACE LEVEL	37.764	37.691	37.669	37.668	37.637	37.576	37.574	37.573	37.565	37.486	37.410	37.403	37.403	37.401	37.378	37.336	37.291	37.262	37.261	37.258
OFFSET	-15.042	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	15.087

PLANE AVENUE

Ch 252.97

DATUM 37

DESIGN SURFACE LEVEL	38.179	38.231	38.264	38.263	38.233	38.033	38.033	37.883	37.933	38.105	37.933	37.883	38.033	38.033	38.087	38.147	38.234	38.264	38.265	
EXISTING SURFACE LEVEL	38.179	38.171	38.151	38.151	38.122	38.069	38.067	38.067	38.060	37.985	37.908	37.901	37.901	37.899	37.877	37.843	37.809	37.792	37.791	
OFFSET	-11.913	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	

PLANE AVENUE

Ch 388.88

DATUM 36

DESIGN SURFACE LEVEL	38.177	38.124	38.123	38.093	37.893	37.893	37.743	37.793	37.965	37.793	37.743	37.893	37.893	37.947	38.007	38.094	38.124	38.125		
EXISTING SURFACE LEVEL	38.177	38.138	38.137	38.098	38.040	38.038	38.037	38.029	37.936	37.827	37.818	37.817	37.815	37.793	37.759	37.724	37.707	37.706		
OFFSET	-12.114	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900		

PLANE AVENUE

Ch 360.88

DATUM 36

DESIGN SURFACE LEVEL	38.062	37.978	37.977	37.947	37.747	37.747	37.597	37.647	37.818	37.667	37.597	37.747	37.747	37.800	37.860	37.947	37.977	37.978		
EXISTING SURFACE LEVEL	38.062	38.030	38.029	38.000	37.938	37.936	37.935	37.927	37.813	37.715	37.712	37.711	37.710	37.696	37.667	37.636	37.620	37.619		
OFFSET	-12.305	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900		

PLANE AVENUE

Ch 331.54

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50 A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

dlcs AS/NZS ISO 9001 certified AS/NZS 4801 certified AS/NZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - PLANE AVENUE

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R09** Rev **0**

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL	38.042	38.062	38.061	38.031	37.801	37.801	37.651	37.701	37.873	37.701	37.651	37.801	37.801	37.854	37.914	38.031	38.061	38.062	37.701
EXISTING SURFACE LEVEL	38.042	38.041	38.040	38.017	37.966	37.964	37.964	37.957	37.894	37.834	37.829	37.828	37.827	37.808	37.772	37.737	37.721	37.721	37.701
OFFSET	-10.698	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	16.704

PLANE AVENUE Ch 551.96

DATUM 36

DESIGN SURFACE LEVEL	38.081	38.001	38.000	37.970	37.740	37.740	37.590	37.640	37.812	37.640	37.590	37.740	37.740	37.794	37.854	37.971	38.001	38.002	37.763
EXISTING SURFACE LEVEL	38.081	38.076	38.075	38.057	38.018	38.016	38.016	38.011	37.945	37.878	37.872	37.872	37.870	37.850	37.813	37.785	37.773	37.773	37.763
OFFSET	-10.997	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	16.091

PLANE AVENUE Ch 539.82

DATUM 36

DESIGN SURFACE LEVEL	38.315	38.090	38.089	38.059	37.859	37.859	37.709	37.759	37.930	37.759	37.709	37.859	37.859	37.912	37.972	38.059	38.089	38.090	
EXISTING SURFACE LEVEL	38.315	38.249	38.248	38.209	38.122	38.120	38.118	38.107	38.014	37.938	37.932	37.931	37.930	37.906	37.862	37.817	37.794	37.794	
OFFSET	-13.151	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900	

PLANE AVENUE Ch 429.83

DATUM 37

DESIGN SURFACE LEVEL	38.226	38.260	38.294	38.293	38.263	38.063	38.063	37.913	37.963	38.134	37.963	37.913	38.063	38.116	38.176	38.263	38.293	38.294	
EXISTING SURFACE LEVEL	38.226	38.222	38.203	38.202	38.175	38.116	38.115	38.114	38.107	38.033	37.958	37.952	37.951	37.950	37.926	37.885	37.844	37.824	37.824
OFFSET	-11.805	-11.600	-10.600	-10.550	-9.050	-5.750	-5.640	-5.600	-5.150	0.000	5.150	5.600	5.640	5.750	7.350	10.350	13.350	14.850	14.900

PLANE AVENUE Ch 404.50

DATUM 36

DESIGN SURFACE LEVEL	37.472	37.432	37.431	37.401	37.161	37.161	37.011	37.061	37.223	37.061	37.011	37.161	37.161	37.311		37.361	37.362	37.496	
EXISTING SURFACE LEVEL	37.458	37.458	37.458	37.462	37.471	37.471	37.471	37.471	37.487	37.501	37.501	37.501	37.501	37.500		37.497	37.497	37.496	
OFFSET	-10.200	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	7.450		9.950	10.000	10.800	

BARRABOOL BOULEVARD Ch 592.14

DATUM 36

DESIGN SURFACE LEVEL	37.310	37.270	37.269	37.239	36.999	36.999	36.849	36.899	37.061	36.899	36.849	36.999	36.999	37.149		37.199	37.200	37.275	
EXISTING SURFACE LEVEL	37.256	37.257	37.257	37.262	37.266	37.266	37.266	37.267	37.274	37.280	37.281	37.281	37.281	37.279		37.276	37.276	37.275	
OFFSET	-10.200	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	7.450		9.950	10.000	10.450	

BARRABOOL BOULEVARD Ch 562.35

DATUM 35

DESIGN SURFACE LEVEL	37.172	37.132	37.131	37.101	36.861	36.861	36.711	36.761	36.923	36.761	36.711	36.861	36.861	37.011		37.061	37.062	37.093	
EXISTING SURFACE LEVEL	37.097	37.098	37.098	37.099	37.103	37.103	37.103	37.103	37.107	37.101	37.100	37.100	37.100	37.097		37.093	37.093	37.093	
OFFSET	-10.200	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	7.450		9.950	10.000	10.185	

BARRABOOL BOULEVARD Ch 537.09

DATUM 35

DESIGN SURFACE LEVEL	37.037	36.997	36.996	36.966	36.726	36.726	36.576	36.626	36.788	36.626	36.576	36.726	36.726	36.876		36.926	36.927	36.920	
EXISTING SURFACE LEVEL	36.893	36.893	36.893	36.891	36.898	36.898	36.899	36.900	36.917	36.926	36.927	36.927	36.927	36.927		36.921	36.920	36.920	
OFFSET	-10.200	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	7.450		9.950	10.000	10.040	

BARRABOOL BOULEVARD Ch 512.30

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50, A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
CROSS SECTIONS - PLANE AVENUE & BARRABOOL BOULEVARD

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R10** Rev **0**

STRUCTURAL FILL

DATUM 37

DESIGN SURFACE LEVEL	39.107	38.545	38.544	38.514	38.364	38.364	38.214	38.264	38.476	38.264	38.214	38.364	38.364	38.514	38.544	38.545	38.923
EXISTING SURFACE LEVEL	39.107	39.072	39.072	39.053	39.017	39.015	39.015	39.009	38.953	38.941	38.940	38.940	38.940	38.932	38.929	38.928	38.923
OFFSET	-12.808	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	8.450	9.950	10.000	12.266

BARRABOOL BOULEVARD Ch 726.75

DATUM 37

DESIGN SURFACE LEVEL	38.763	38.265	38.264	38.234	38.100	38.100	37.950	38.000	38.167	38.000	37.950	38.100	38.100	38.250	38.280	38.281	38.648
EXISTING SURFACE LEVEL	38.763	38.740	38.740	38.726	38.702	38.701	38.701	38.697	38.689	38.671	38.670	38.670	38.669	38.659	38.655	38.655	38.648
OFFSET	-12.331	-9.843	-9.793	-8.293	-5.605	-5.495	-5.455	-5.005	0.000	4.997	5.447	5.487	5.597	8.598	10.098	10.148	12.348

BARRABOOL BOULEVARD Ch 712.59

DATUM 36

DESIGN SURFACE LEVEL	38.372	37.987	37.986	37.956	37.811	37.811	37.661	37.711	37.925	37.724	37.674	37.824	37.824	37.970	38.000	38.001	38.336
EXISTING SURFACE LEVEL	38.372	38.368	38.368	38.365	38.356	38.356	38.355	38.354	38.343	38.338	38.338	38.338	38.338	38.338	38.337	38.337	38.336
OFFSET	-13.399	-11.473	-11.423	-9.923	-7.024	-6.914	-6.874	-6.624	0.000	6.043	6.493	6.533	6.643	9.575	11.075	11.125	13.132

BARRABOOL BOULEVARD Ch 693.71

DATUM 36

DESIGN SURFACE LEVEL	37.534	37.494	37.493	37.463	37.223	37.223	37.073	37.123	37.284	37.123	37.073	37.223	37.223	37.373	37.423	37.424	37.533
EXISTING SURFACE LEVEL	37.514	37.515	37.515	37.525	37.539	37.539	37.540	37.541	37.547	37.541	37.541	37.541	37.540	37.538	37.534	37.534	37.533
OFFSET	-10.200	-10.000	-9.950	-8.450	-5.450	-5.340	-5.300	-4.850	0.000	4.850	5.300	5.340	5.450	7.450	9.950	10.000	10.655

BARRABOOL BOULEVARD Ch 603.43

DATUM 36

DESIGN SURFACE LEVEL	37.526	37.525	37.495	37.395	37.395	37.245	37.295	37.402	37.295	37.245	37.395	37.395	37.495	37.525	37.526
EXISTING SURFACE LEVEL	37.199	37.199	37.203	37.195	37.195	37.195	37.194	37.185	37.176	37.174	37.174	37.174	37.167	37.163	37.162
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

SHALLOW STREET Ch 201.10

DATUM 36

DESIGN SURFACE LEVEL	37.467	37.466	37.436	37.336	37.336	37.186	37.236	37.342	37.236	37.186	37.336	37.336	37.436	37.466	37.467
EXISTING SURFACE LEVEL	37.118	37.119	37.122	37.128	37.127	37.127	37.126	37.119	37.115	37.115	37.115	37.115	37.111	37.109	37.109
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

SHALLOW STREET Ch 189.16

DATUM 36

DESIGN SURFACE LEVEL	37.317	37.316	37.286	37.186	37.186	37.036	37.086	37.193	37.086	37.036	37.186	37.186	37.286	37.316	37.317
EXISTING SURFACE LEVEL	36.924	36.924	36.931	36.933	36.933	36.933	36.933	36.934	36.934	36.935	36.935	36.935	36.935	36.934	36.934
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

SHALLOW STREET Ch 159.28

DATUM 36

DESIGN SURFACE LEVEL	37.211	37.210	37.180	37.080	37.080	36.930	36.980	37.086	36.980	36.930	37.080	37.080	37.180	37.210	37.211
EXISTING SURFACE LEVEL	36.748	36.748	36.749	36.752	36.753	36.753	36.755	36.777	36.801	36.804	36.804	36.805	36.824	36.834	36.834
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

SHALLOW STREET Ch 138.00

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50, A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - BARRABOOL BOULEVARD & SHALLOW STREET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R11** Rev **0**

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL	37.391	37.249	37.248	37.218	37.118	37.118	36.968	37.018	37.125	37.018	36.968	37.118	37.118	37.218	37.248	37.249
EXISTING SURFACE LEVEL	37.412	37.408	37.408	37.399	37.384	37.383	37.383	37.381	37.360	37.334	37.330	37.330	37.329	37.306	37.292	37.292
OFFSET	-8.710	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 138.93

DATUM 36

DESIGN SURFACE LEVEL	37.385	37.384	37.354	37.254	37.254	37.104	37.154	37.261	37.154	37.104	37.254	37.254	37.354	37.384	37.385
EXISTING SURFACE LEVEL	37.330	37.329	37.320	37.305	37.304	37.304	37.301	37.278	37.255	37.252	37.251	37.250	37.231	37.220	37.220
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 117.36

DATUM 36

DESIGN SURFACE LEVEL	37.208	37.207	37.177	37.077	37.077	36.927	36.977	37.084	36.977	36.927	37.077	37.077	37.177	37.207	37.208
EXISTING SURFACE LEVEL	37.205	37.204	37.189	37.162	37.161	37.161	37.156	37.124	37.091	37.087	37.086	37.085	37.055	37.038	37.038
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 38.00

DATUM 36

DESIGN SURFACE LEVEL	37.462	37.461	37.431	37.331	37.331	37.181	37.231	37.337	37.231	37.181	37.331	37.331	37.431	37.461	37.462
EXISTING SURFACE LEVEL	37.230	37.230	37.219	37.200	37.200	37.199	37.196	37.174	37.170	37.170	37.170	37.170	37.168	37.166	37.166
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 88.77

DATUM 36

DESIGN SURFACE LEVEL	37.345	37.077	37.076	37.046	36.946	36.946	36.796	36.846	36.953	36.846	36.796	36.946	36.946	37.046	37.076	37.077
EXISTING SURFACE LEVEL	37.060	37.053	37.052	37.044	37.030	37.029	37.029	37.026	37.007	36.987	36.984	36.983	36.983	36.964	36.943	36.942
OFFSET	-9.339	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 11.80

DATUM 36

DESIGN SURFACE LEVEL	37.339	37.338	37.308	37.208	37.208	37.058	37.108	37.215	37.108	37.058	37.208	37.208	37.308	37.338	37.339
EXISTING SURFACE LEVEL	37.269	37.268	37.260	37.248	37.247	37.247	37.247	37.241	37.233	37.230	37.230	37.230	37.214	37.205	37.205
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

COURSE STREET Ch 64.20

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50 A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - COURSE STREET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R12** Rev **0**

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL		37.310	37.284	37.283	37.253		37.083	37.083	37.083	37.089		36.983	36.933	37.083	37.083	37.253		37.283	37.284
EXISTING SURFACE LEVEL		36.738	36.739	36.740	36.756		36.784	36.786	36.786	36.816		36.843	36.846	36.847	36.847	36.861		36.868	36.869
OFFSET	-8.134	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800		6.450	7.950	8.000	

SEDGE STREET Ch 207.31

DATUM 36

DESIGN SURFACE LEVEL		37.179	37.178	37.148		36.978	36.978	36.828	36.878	36.985		36.878	36.828	36.978	36.978	37.148		37.178	37.179
EXISTING SURFACE LEVEL		36.559	36.560	36.575		36.600	36.601	36.601	36.605	36.635		36.665	36.669	36.670	36.671	36.686		36.694	36.694
OFFSET	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000		3.200	3.650	3.690	3.800		6.450	7.950	8.000	

SEDGE STREET Ch 186.43

DATUM 36

DESIGN SURFACE LEVEL		37.092	37.091	37.061		36.861	36.861	36.711	36.761	36.868		36.761	36.711	36.861	36.861	37.061		37.091	37.092
EXISTING SURFACE LEVEL		36.376	36.376	36.391		36.414	36.414	36.415	36.418	36.441		36.463	36.467	36.467	36.468	36.488		36.502	36.503
OFFSET	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000		3.200	3.650	3.690	3.800		6.450	7.950	8.000	

SEDGE STREET Ch 163.04

DATUM 35

DESIGN SURFACE LEVEL		36.958	36.957	36.927		36.727	36.722	36.577	36.627	36.734		36.627	36.577	36.722	36.727	36.927		36.957	36.958
EXISTING SURFACE LEVEL		36.163	36.164	36.184		36.219	36.220	36.221	36.227	36.269		36.312	36.319	36.319	36.321	36.356		36.356	36.356
OFFSET	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000		3.200	3.650	3.690	3.800		6.450	7.950	8.000	

SEDGE STREET Ch 136.18

DATUM 36

DESIGN SURFACE LEVEL		38.274	37.872	37.871	37.841		37.671	37.671	37.521	37.678		37.521	37.671	37.671	37.841		37.871	37.872
EXISTING SURFACE LEVEL		37.501	37.508	37.509	37.516		37.529	37.529	37.531	37.534		37.538	37.538	37.538	37.544		37.550	37.551
OFFSET	-10.008	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800		6.450	7.950	8.000	

SEDGE STREET Ch 285.02

DATUM 36

DESIGN SURFACE LEVEL		38.219	37.793	37.792	37.762		37.592	37.592	37.442	37.492		37.599		37.492	37.442	37.592	37.592	37.762		37.792	37.793
EXISTING SURFACE LEVEL		37.386	37.396	37.396	37.404		37.416	37.417	37.417	37.419		37.435		37.447	37.448	37.448	37.448	37.457		37.464	37.464
OFFSET	-10.131	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000			3.200	3.650	3.690	3.800		6.450		7.950	8.000

SEDGE STREET Ch 277.11

DATUM 36

DESIGN SURFACE LEVEL		37.879	37.522	37.521	37.491		37.321	37.321	37.171	37.221		37.327		37.221	37.171	37.321	37.321	37.491		37.521	37.522
EXISTING SURFACE LEVEL		37.113	37.124	37.124	37.134		37.149	37.149	37.149	37.151		37.167		37.197	37.201	37.202	37.203	37.228		37.242	37.242
OFFSET	-9.788	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000			3.200	3.650	3.690	3.800		6.450		7.950	8.000

SEDGE STREET Ch 249.63

DATUM 36

DESIGN SURFACE LEVEL		37.603	37.402	37.401	37.371		37.201	37.201	37.051	37.101		37.207		37.101	37.051	37.201	37.201	37.371		37.401	37.402
EXISTING SURFACE LEVEL		36.906	36.910	36.910	36.916		36.929	36.929	36.929	36.931		36.958		36.992	36.997	36.998	36.999	37.027		37.043	37.044
OFFSET	-9.006	-8.000	-7.950	-6.450		-3.800	-3.690	-3.650	-3.200	0.000			3.200	3.650	3.690	3.800		6.450		7.950	8.000

SEDGE STREET Ch 230.91

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50,A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
CROSS SECTIONS - SEDGE STREET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R13** Rev **0**

STRUCTURAL FILL

DATUM 35

DESIGN SURFACE LEVEL	37.326	37.325	37.295	37.145	37.145	36.995	37.045	37.152	37.045	36.995	37.145	37.145	37.295	37.325	37.326	37.494
EXISTING SURFACE LEVEL	36.161	36.160	36.151	36.136	36.136	36.136	36.133	36.118	36.102	36.100	36.100	36.099	36.086	36.079	36.078	36.074
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000	8.838

YARD STREET

Ch 72.36

DATUM 35

DESIGN SURFACE LEVEL	37.503	37.440	37.439	37.409	37.259	37.259	37.109	37.159	37.266	37.159	37.109	37.259	37.259	37.409	37.439	37.440	37.623
EXISTING SURFACE LEVEL	36.206	36.203	36.203	36.190	36.167	36.167	36.166	36.162	36.135	36.108	36.104	36.104	36.103	36.084	36.076	36.076	36.071
OFFSET	-8.316	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000	8.913

YARD STREET

Ch 49.56

DATUM 35

DESIGN SURFACE LEVEL	37.636	37.437	37.436	37.406	37.256	37.256	37.106	37.156	37.263	37.156	37.106	37.256	37.256	37.406	37.436	37.437	37.615
EXISTING SURFACE LEVEL	36.222	36.215	36.214	36.202	36.181	36.180	36.180	36.177	36.151	36.126	36.122	36.122	36.121	36.100	36.089	36.089	36.083
OFFSET	-8.996	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000	8.890

YARD STREET

Ch 27.76

DATUM 35

DESIGN SURFACE LEVEL	36.825	36.824	36.794	36.644	36.644	36.494	36.544	36.651	36.544	36.494	36.644	36.644	36.794	36.824	36.825
EXISTING SURFACE LEVEL	36.487	36.487	36.470	36.449	36.448	36.447	36.444	36.418	36.393	36.390	36.390	36.389	36.372	36.362	36.362
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

YARD STREET

Ch 172.56

DATUM 35

DESIGN SURFACE LEVEL	36.936	36.935	36.905	36.755	36.755	36.605	36.655	36.762	36.655	36.605	36.755	36.755	36.905	36.935	36.936
EXISTING SURFACE LEVEL	36.269	36.269	36.254	36.228	36.227	36.227	36.222	36.197	36.179	36.176	36.176	36.175	36.160	36.151	36.151
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

YARD STREET

Ch 150.36

DATUM 35

DESIGN SURFACE LEVEL	37.087	37.086	37.056	36.906	36.906	36.756	36.806	36.913	36.806	36.756	36.906	36.906	37.056	37.086	37.087
EXISTING SURFACE LEVEL	36.126	36.126	36.116	36.099	36.098	36.098	36.095	36.072	36.049	36.046	36.046	36.045	36.027	36.016	36.016
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

YARD STREET

Ch 120.16

DATUM 35

DESIGN SURFACE LEVEL	37.205	37.204	37.174	37.024	37.024	36.874	36.924	37.031	36.924	36.874	37.024	37.024	37.174	37.204	37.205	37.236
EXISTING SURFACE LEVEL	36.085	36.085	36.070	36.045	36.044	36.043	36.039	36.015	35.996	35.993	35.993	35.992	35.976	35.967	35.966	35.965
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000	8.155

YARD STREET

Ch 96.56

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50,A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - YARD STREET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R14** Rev **0**

STRUCTURAL FILL

DATUM 36

DESIGN SURFACE LEVEL	38.246	38.245	38.215	38.095	38.095	37.945	37.995	38.101	37.995	37.945	38.095	38.095	38.215	38.245	38.246
EXISTING SURFACE LEVEL	36.958	36.958	36.961	36.955	36.955	36.955	36.954	36.947	36.942	36.941	36.941	36.941	36.938	36.936	36.936
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

FLOW STREET

Ch 85.00

DATUM 36

DESIGN SURFACE LEVEL	37.849	37.848	37.818	37.698	37.698	37.548	37.598	37.704	37.598	37.548	37.698	37.698	37.818	37.848	37.849
EXISTING SURFACE LEVEL	36.674	36.674	36.671	36.668	36.668	36.668	36.667	36.664	36.668	36.670	36.670	36.671	36.681	36.687	36.687
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

FLOW STREET

Ch 63.50

DATUM 36

DESIGN SURFACE LEVEL	37.375	37.334	37.333	37.303	37.183	37.183	37.033	37.083	37.189	37.083	37.033	37.183	37.183	37.303	37.333	37.334
EXISTING SURFACE LEVEL	36.365	36.365	36.365	36.367	36.371	36.371	36.371	36.372	36.379	36.385	36.386	36.386	36.386	36.392	36.395	36.395
OFFSET	-8.205	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

FLOW STREET

Ch 35.50

DATUM 35

DESIGN SURFACE LEVEL	37.128	36.975	36.974	36.944	36.824	36.824	36.674	36.724	36.831	36.724	36.674	36.824	36.824	36.944	36.974	36.975	37.115
EXISTING SURFACE LEVEL	36.108	36.105	36.105	36.098	36.101	36.101	36.101	36.102	36.109	36.116	36.117	36.118	36.118	36.127	36.135	36.136	36.140
OFFSET	-8.764	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000	8.701

FLOW STREET

Ch 11.80

DATUM 36

DESIGN SURFACE LEVEL	38.444	38.443	38.413	38.293	38.293	38.143	38.193	38.299	38.193	38.143	38.293	38.293	38.413	38.443	38.444
EXISTING SURFACE LEVEL	37.095	37.095	37.093	37.089	37.089	37.089	37.088	37.083	37.078	37.078	37.078	37.078	37.084	37.094	37.094
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

FLOW STREET

Ch 95.11

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50, A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

dlcs AS/NZS ISO 9001 certified AS/NZS 14001 certified AS/NZS ISO 45001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
CROSS SECTIONS - FLOW STREET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R15** Rev **0**

STRUCTURAL FILL

DATUM 37

DESIGN SURFACE LEVEL	38.262	38.261	38.231	38.001	38.001	37.851	37.901	38.008	37.901	37.851	38.001	38.001	38.231	38.261	38.262
EXISTING SURFACE LEVEL	37.284	37.284	37.295	37.315	37.316	37.316	37.319	37.345	37.370	37.374	37.374	37.375	37.396	37.407	37.407
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

GLOVER STREET Ch 13.60

DATUM 36

DESIGN SURFACE LEVEL	38.253	38.252	38.222	37.992	37.992	37.842	37.892	37.998	37.892	37.842	37.992	37.992	38.222	38.252	38.253
EXISTING SURFACE LEVEL	37.247	37.248	37.258	37.277	37.278	37.278	37.282	37.307	37.332	37.336	37.336	37.337	37.358	37.370	37.370
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

GLOVER STREET Ch 11.65

DATUM 37

DESIGN SURFACE LEVEL	38.185	38.184	38.154	38.004	38.004	37.854	37.904	38.011	37.904	37.854	38.004	38.004	38.154	38.184	38.185
EXISTING SURFACE LEVEL	37.772	37.772	37.782	37.801	37.802	37.803	37.806	37.832	37.859	37.863	37.863	37.864	37.887	37.900	37.901
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

WEBB STREET Ch 13.75

DATUM 37

DESIGN SURFACE LEVEL	38.176	38.175	38.145	37.995	37.995	37.845	37.895	38.002	37.895	37.845	37.995	37.995	38.145	38.175	38.176
EXISTING SURFACE LEVEL	37.738	37.738	37.748	37.767	37.768	37.768	37.772	37.797	37.823	37.826	37.827	37.827	37.848	37.860	37.861
OFFSET	-8.000	-7.950	-6.450	-3.800	-3.690	-3.650	-3.200	0.000	3.200	3.650	3.690	3.800	6.450	7.950	8.000

WEBB STREET Ch 11.87

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale V 1:100, V 1:50,A1
Horizontal 0 1 2 3 4 5
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
CROSS SECTIONS - GLOVER STREET & WEBB STREET
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R16** Rev **0**

LIP LINE EE
Hor250
Ver25

ALIGNMENT HH

POINT NO	EASTING	NORTHING	RL
HH1	288469.546	5803454.704	37.758
HH2	288474.987	5803456.015	37.740
HH3	288474.981	5803453.635	37.723
HH4	288469.585	5803454.110	37.743

ALIGNMENT II

POINT NO	EASTING	NORTHING	RL
II1	288477.097	5803456.650	37.720
II2	288478.785	5803457.211	37.705
II3	288479.564	5803456.500	37.722
II4	288478.994	5803454.190	37.733
II5	288477.068	5803453.372	37.716

ALIGNMENT KK

POINT NO	EASTING	NORTHING	RL
KK1	288492.289	5803474.029	37.731
KK2	288492.587	5803479.767	37.800
KK3	288493.178	5803479.832	37.815
KK4	288494.880	5803474.202	37.729

ALIGNMENT JJ

POINT NO	EASTING	NORTHING	RL
JJ1	288492.097	5803471.924	37.718
JJ2	288493.070	5803470.234	37.740
JJ3	288496.267	5803470.674	37.659
JJ4	288495.656	5803472.147	37.688

ALIGNMENT EE

POINT NO	EASTING	NORTHING	RL
3/4	288500.600	5803460.455	37.645
EE5	288494.731	5803446.286	37.620
EE1	288494.731	5803446.286	37.620
1/4	288491.555	5803446.918	37.643
1/2	288488.862	5803448.717	37.666
3/4	288487.063	5803451.410	37.688
EE2	288486.431	5803454.586	37.710
1/4	288487.063	5803457.762	37.733
1/2	288488.862	5803460.455	37.748
3/4	288491.555	5803462.254	37.732
EE3	288494.731	5803462.886	37.702
1/4	288497.908	5803462.254	37.671
1/2	288500.600	5803460.455	37.645
1/2	288500.600	5803460.455	37.645
3/4	288502.400	5803457.762	37.626
EE4	288503.031	5803454.586	37.608
1/4	288502.400	5803451.410	37.590

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
EE1-EE2	8.300	13.038	11.738	2.431	0.632
EE2-EE3	8.300	13.038	11.738	2.431	0.632
EE3-EE4	8.300	13.038	11.738	2.431	0.632
EE4-EE1	8.300	-39.113	-11.738	14.169	5.124

ALIGNMENT GG

POINT NO	EASTING	NORTHING	RL
GG1	288491.797	5803437.466	37.563
GG2	288491.425	5803438.769	37.569
GG3	288492.170	5803439.515	37.590
GG4	288494.412	5803438.853	37.544
GG5	288495.223	5803437.325	37.514

ALIGNMENT LL

POINT NO	EASTING	NORTHING	RL
LL1	288512.320	5803452.420	37.612
LL2	288510.649	5803451.965	37.595
LL3	288509.900	5803452.685	37.614
LL4	288510.465	5803454.978	37.666
LL5	288511.820	5803455.876	37.637
LL6	288512.373	5803455.789	37.637

ALIGNMENT MM

POINT NO	EASTING	NORTHING	RL
MM1	288514.459	5803455.489	37.640
MM2	288520.750	5803454.855	37.660
MM3	288520.768	5803453.959	37.689
MM4	288514.425	5803452.921	37.633

ALIGNMENT FF

POINT NO	EASTING	NORTHING	RL
FF1	288493.513	5803429.413	37.503
FF2	288493.010	5803432.308	37.545
FF3	288494.436	5803432.276	37.504
FF4	288494.108	5803429.427	37.486

SECTION IN PEDESTRIAN CROSSINGS
SPLITTER ISLAND DETAIL
(Dimensions in millimetres)
(N.T.S.)

SECTION OUTSIDE PEDESTRIAN CROSSINGS
SPLITTER ISLAND DETAIL - FLEXIBLE PAVEMENT
N.T.S.

N.T.S
ROUNDABOUT PAVING DETAIL

KERB RETURN SETOUT DETAIL

TYPICAL KERB INDENT DETAIL
N.T.S

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
INTERSECTION DETAILS
SHEET 1 OF 6

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R17** Rev **0**

LIP LINE AA
Hor250
Ver25

LIP LINE BB
Hor250
Ver25

LIP LINE CC
Hor250
Ver25

LIP LINE DD
Hor250
Ver25

ALIGNMENT AA

POINT NO	EASTING	NORTHING	RL
AA1	288485.837	5803394.979	37.123
1/4	288485.857	5803395.115	37.124
1/2	288485.903	5803395.244	37.126
3/4	288485.973	5803395.362	37.128
AA2	288486.065	5803395.464	37.130
AA3	288487.714	5803396.970	37.191
1/4	288487.879	5803397.153	37.197
1/2	288488.007	5803397.363	37.202
3/4	288488.093	5803397.594	37.206
AA4	288488.134	5803397.836	37.209
1/4	288488.558	5803404.608	37.257
1/2	288488.851	5803411.386	37.303
3/4	288489.013	5803418.168	37.350
AA5	288489.043	5803424.953	37.396
1/4	288488.910	5803428.356	37.420
1/2	288488.547	5803431.742	37.443
3/4	288487.955	5803435.096	37.466
AA6	288487.138	5803438.403	37.490
1/4	288486.135	5803440.878	37.508
1/2	288484.621	5803443.079	37.526
3/4	288482.668	5803444.902	37.545
AA7	288480.367	5803446.259	37.563
1/4	288475.343	5803448.282	37.600
1/2	288470.168	5803449.881	37.637
3/4	288464.879	5803451.046	37.675
AA8	288459.511	5803451.769	37.712
1/4	288456.413	5803452.041	37.733
1/2	288453.312	5803452.284	37.754
3/4	288450.209	5803452.498	37.776
AA9	288447.104	5803452.683	37.795
1/4	288446.841	5803452.670	37.794
1/2	288446.586	5803452.605	37.792
3/4	288446.350	5803452.491	37.790
AA10	288446.141	5803452.330	37.787
AA11	288444.845	5803451.109	37.762
1/4	288444.736	5803451.025	37.761
1/2	288444.613	5803450.964	37.760
3/4	288444.481	5803450.928	37.759
AA12	288444.344	5803450.918	37.758

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
AA1-AA2	0.700	0.550	0.536	0.053	0.013
AA3-AA4	1.300	0.986	0.963	0.092	-0.023
AA4-AA5	350.300	27.138	27.131	0.263	-0.066
AA5-AA6	50.300	13.626	13.584	0.461	-0.115
AA6-AA7	12.300	10.707	10.372	1.147	-0.290
AA7-AA8	65.300	21.671	21.571	0.897	-0.225
AA8-AA9	330.300	12.442	12.441	0.059	-0.015
AA9-AA10	1.300	1.054	1.025	0.105	-0.027
AA11-AA12	0.700	0.550	0.536	0.053	0.013

ALIGNMENT BB

POINT NO	EASTING	NORTHING	RL
BB1	288444.576	5803461.216	37.759
1/4	288444.712	5803461.198	37.760
1/2	288444.842	5803461.155	37.760
3/4	288444.961	5803461.086	37.761
BB2	288445.065	5803460.996	37.763
BB3	288446.388	5803459.593	37.791
1/4	288446.580	5803459.425	37.795
1/2	288446.802	5803459.298	37.797
3/4	288447.044	5803459.217	37.798
BB4	288447.298	5803459.185	37.799
1/4	288451.585	5803459.097	37.773
1/2	288455.873	5803459.070	37.746
3/4	288460.161	5803459.105	37.719
BB5	288464.448	5803459.200	37.692
1/4	288468.042	5803459.435	37.669
1/2	288471.610	5803459.927	37.646
3/4	288475.134	5803460.673	37.624
BB6	288478.596	5803461.668	37.601
1/4	288480.563	5803462.549	37.587
1/2	288482.303	5803463.819	37.574
3/4	288483.742	5803465.423	37.562
BB7	288484.815	5803467.292	37.558
1/4	288486.156	5803470.645	37.569
1/2	288487.253	5803474.086	37.604
3/4	288488.101	5803477.597	37.661
BB8	288488.694	5803481.159	37.733
1/4	288488.702	5803481.420	37.737
1/2	288488.657	5803481.677	37.740
3/4	288488.562	5803481.920	37.741
BB9	288488.420	5803482.140	37.742
BB10	288486.870	5803484.072	37.714
1/4	288486.800	5803484.179	37.713
1/2	288486.750	5803484.296	37.712
3/4	288486.722	5803484.421	37.712
BB11	288486.717	5803484.548	37.711

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
BB1-BB2	0.700	0.550	0.536	0.053	0.013
BB3-BB4	1.300	1.023	0.997	0.099	-0.025
BB4-BB5	300.000	17.153	17.150	0.123	-0.031
BB5-BB6	50.300	14.411	14.361	0.515	-0.129
BB6-BB7	10.300	8.635	8.385	0.892	-0.225
BB7-BB8	50.300	14.449	14.399	0.518	-0.130
BB8-BB9	1.300	1.047	1.019	0.104	-0.026
BB10-BB11	0.700	0.512	0.500	0.046	0.012

ALIGNMENT CC

POINT NO	EASTING	NORTHING	RL
CC1	288499.214	5803484.957	37.719
1/4	288499.222	5803484.820	37.720
1/2	288499.202	5803484.684	37.720
3/4	288499.156	5803484.554	37.721
CC2	288499.086	5803484.437	37.722
CC3	288497.775	5803482.655	37.755
1/4	288497.644	5803482.436	37.756
1/2	288497.559	5803482.196	37.755
3/4	288497.523	5803481.944	37.752
CC4	288497.536	5803481.689	37.748
1/4	288498.112	5803478.695	37.614
1/2	288498.919	5803475.755	37.614
3/4	288499.954	5803472.887	37.552
CC5	288501.210	5803470.109	37.506
1/4	288502.599	5803467.845	37.479
1/2	288504.359	5803465.856	37.463
3/4	288506.436	5803464.201	37.459
CC6	288508.768	5803462.931	37.468
1/4	288514.022	5803460.881	37.496
1/2	288519.423	5803459.260	37.524
3/4	288524.937	5803458.077	37.552
CC7	288530.528	5803457.339	37.580
1/4	288533.291	5803457.099	37.594
1/2	288536.055	5803456.883	37.608
3/4	288538.821	5803456.690	37.622
CC8	288541.589	5803456.522	37.636
1/4	288541.853	5803456.534	37.637
1/2	288542.108	5803456.599	37.637
3/4	288542.345	5803456.713	37.635
CC9	288542.554	5803456.874	37.632
CC10	288543.840	5803458.086	37.594
1/4	288543.948	5803458.169	37.592
1/2	288544.071	5803458.231	37.591
3/4	288544.204	5803458.267	37.590
CC11	288544.340	5803458.276	37.589

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
CC1-CC2	0.700	0.550	0.536	0.053	0.013
CC3-CC4	1.300	1.021	0.995	0.099	-0.025
CC4-CC5	39.000	12.198	12.149	0.476	-0.119
CC5-CC6	15.300	10.637	10.424	0.915	-0.231
CC6-CC7	70.300	22.564	22.467	0.903	-0.226
CC7-CC8	320.300	11.092	11.091	0.048	-0.012
CC8-CC9	1.300	1.056	1.027	0.106	-0.027
CC10-CC11	0.700	0.550	0.536	0.053	0.013

ALIGNMENT DD

POINT NO	EASTING	NORTHING	RL
DD1	288554.218	5803447.680	37.640
1/4	288554.082	5803447.698	37.641
1/2	288553.952	5803447.741	37.642
3/4	288553.833	5803447.810	37.643
DD2	288553.729	5803447.900	37.644
DD3	288552.407	5803449.303	37.677
1/4	288552.214	5803449.470	37.681
1/2	288551.993	5803449.597	37.684
3/4	288551.752	5803449.678	37.687
DD4	288551.499	5803449.711	37.688
DD5	288541.279	5803450.012	37.640
1/4	288537.395	5803450.096	37.621
1/2	288533.509	5803450.120	37.601
3/4	288529.624	5803450.084	37.582
DD6	288525.740	5803449.987	37.562
1/4	288523.863	5803449.904	37.553
1/2	288521.989	5803449.777	37.544
3/4	288520.118	5803449.606	37.534
DD7	288518.252	5803449.391	37.525
1/4	288511.552	5803447.492	37.490
1/2	288505.713	5803443.698	37.455
3/4	288501.255	5803438.348	37.420
DD8	288498.578	5803431.919	37.385
1/4	288497.498	5803427.323	37.361
1/2	288496.546	5803422.699	37.338
3/4	288495.723	5803418.049	37.314
DD9	288495.029	5803413.379	37.290
1/4	288494.539	5803409.446	37.270
1/2	288494.128	5803405.503	37.251
3/4	288493.794	5803401.554	37.231
DD10	288493.539	5803397.598	37.210
1/4	288493.551	5803397.340	37.207
1/2	288493.613	5803397.090	37.203
3/4	288493.723	5803396.857	37.198
DD11	288493.877	5803396.650	37.192
DD12	288495.345	5803395.043	37.130
1/4	288495.427	5803394.933	37.128
1/2	288495.486	5803394.809	37.126
3/4	288495.520	5803394.676	37.124
DD13	288495.527	5803394.539	37.123

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
DD1-DD2	0.700	0.550	0.536	0.053	0.013
DD3-DD4	1.300	1.021	0.995	0.099	-0.025
DD5-DD6	250.300	15.542	15.540	0.121	-0.030
DD6-DD7	80.300	7.514	7.511	0.088	-0.022
DD7-DD8	23.300	27.960	26.312	4.070	-1.041
DD8-DD9	170.300	18.886	18.877	0.262	-0.065
DD9-DD10	200.300	15.856	15.852	0.157	-0.039
DD10-DD11	1.300	1.033	1.006	0.101	-0.026
DD12-DD13	0.700	0.550	0.536	0.053	0.013

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

dlcs ASINZS ISO 9001 certified ASINZS 4801 certified ASINZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
INTERSECTION DETAILS
SHEET 2 OF 6

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION
Drg No **303978R18**
Rev **0**

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	288410.415	5803357.371	37.297
1/4	288409.590	5803360.624	37.286
1/2	288407.584	5803363.313	37.219
3/4	288404.701	5803365.030	37.144
G2	288401.380	5803365.514	37.108

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
G1-G2	8.600	13.509	12.162	2.519	-0.655

LIP LINE G
Hor250
Ver25

ALIGNMENT K

POINT NO	EASTING	NORTHING	RL
K1	288475.992	5803371.401	37.018
K2	288479.180	5803371.307	37.035
1/4	288482.610	5803371.912	37.056
1/2	288485.519	5803373.827	37.078
3/4	288487.429	5803376.739	37.099
K3	288488.029	5803380.170	37.119
1/4	288487.996	5803380.423	37.118
1/2	288487.914	5803380.664	37.117
3/4	288487.787	5803380.885	37.114
K4	288487.620	5803381.077	37.110
K5	288485.879	5803382.713	37.063
1/4	288485.787	5803382.819	37.062
1/2	288485.718	5803382.941	37.061
3/4	288485.674	5803383.074	37.061
K6	288485.658	5803383.213	37.060

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
K2-K3	8.600	14.029	12.524	2.705	-0.705
K3-K4	1.300	1.021	0.995	0.099	-0.025
K5-K6	0.700	0.561	0.546	0.055	0.014

LIP LINE K
Hor250
Ver25

ALIGNMENT H

POINT NO	EASTING	NORTHING	RL
H1	288425.661	5803366.482	37.231
1/4	288422.190	5803365.861	37.249
1/2	288419.259	5803363.898	37.266
3/4	288417.363	5803360.925	37.284
H2	288416.820	5803357.440	37.295

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
H1-H2	8.600	14.208	12.647	2.771	-0.723

LIP LINE H
Hor250
Ver25

ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	288487.070	5803353.461	36.899
1/4	288487.077	5803353.598	36.900
1/2	288487.110	5803353.731	36.902
3/4	288487.168	5803353.855	36.904
J2	288487.249	5803353.966	36.906
J3	288488.873	5803355.767	36.964
1/4	288489.024	5803355.972	36.971
1/2	288489.132	5803356.202	36.978
3/4	288489.193	5803356.450	36.985
J4	288489.205	5803356.704	36.993
1/4	288488.454	5803359.798	37.060
1/2	288486.629	5803362.407	37.075
3/4	288483.980	5803364.173	37.059
J5	288480.870	5803364.855	37.043
J6	288475.804	5803365.004	37.018

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
J1-J2	0.700	0.550	0.536	0.053	0.013
J3-J4	1.300	1.021	0.995	0.099	-0.025
J4-J5	8.600	12.809	11.658	2.277	-0.589

KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
INTERSECTION DETAILS
SHEET 3 OF 6

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R19** Rev **0**

LIP LINE Q
Hor250
Ver25

ALIGNMENT Q

POINT NO	EASTING	NORTHING	RL
Q1	288268.898	5803440.180	38.037
1/4	288269.034	5803440.202	38.038
1/2	288269.171	5803440.197	38.039
3/4	288269.305	5803440.166	38.040
Q2	288269.429	5803440.108	38.041
Q3	288271.279	5803439.030	38.078
1/4	288271.511	5803438.924	38.083
1/2	288271.759	5803438.865	38.087
3/4	288272.014	5803438.856	38.089
Q4	288272.265	5803438.896	38.090
1/4	288275.250	5803440.344	38.040
1/2	288277.464	5803442.815	37.980
3/4	288278.579	5803445.939	37.924
Q5	288278.428	5803449.253	37.893

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
Q1-Q2	0.700	0.550	0.536	0.053	0.013
Q3-Q4	1.300	1.021	0.995	0.099	-0.025
Q4-Q5	8.600	13.353	12.052	2.464	-0.640

LIP LINE R
Hor250
Ver25

ALIGNMENT R

POINT NO	EASTING	NORTHING	RL
R1	288284.544	5803451.187	37.895
1/4	288285.984	5803448.114	37.913
1/2	288288.500	5803445.837	37.935
3/4	288291.702	5803444.712	37.957
R2	288295.090	5803444.912	37.973
R3	288300.892	5803446.441	37.939
1/4	288301.130	5803446.530	37.934
1/2	288301.347	5803446.664	37.929
3/4	288301.534	5803446.837	37.923
R4	288301.683	5803447.044	37.916
R5	288302.761	5803448.892	37.866
1/4	288302.841	5803449.004	37.864
1/2	288302.942	5803449.097	37.863
3/4	288303.060	5803449.169	37.861
R6	288303.189	5803449.217	37.860

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
R1-R2	8.600	13.665	12.272	2.574	-0.670
R3-R4	1.300	1.021	0.995	0.099	-0.025
R5-R6	0.700	0.552	0.538	0.054	0.014

LIP LINE N
Hor250
Ver25

ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	288255.381	5803411.839	38.193
N2	288255.235	5803414.655	38.251
N3	288255.172	5803415.879	38.360
N4	288254.394	5803420.332	38.398
N5	288253.825	5803421.423	38.309
N6	288244.315	5803425.221	38.246
N7	288242.019	5803422.444	38.189

LIP LINE P
Hor250
Ver25

ALIGNMENT P

POINT NO	EASTING	NORTHING	RL
P1	288270.994	5803430.081	38.040
P2	288267.628	5803431.366	38.119
P3	288261.226	5803423.371	38.234
P4	288261.255	5803422.138	38.329
P5	288261.494	5803417.546	38.325
P6	288261.557	5803416.322	38.218
P7	288261.773	5803412.171	38.193

KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

dlcs AS/NZS ISO 9001 certified AS/NZS 14001 certified AS/NZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
INTERSECTION DETAILS
SHEET 4 OF 6

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R20** Rev **0**

DESIGN LIP	37.521	37.571	37.589	37.614	37.628	37.742	37.769	37.688	37.846	37.853	37.862	37.840	37.826	37.823
CHAINAGE	-5.000	0.000	1.000	2.000	2.482	3.690	5.705	8.216	9.453	19.546	20.370	20.546	21.546	29.170

DESIGN LIP	37.808	37.808	37.803	37.798	37.823									
CHAINAGE	23.170	23.170	23.591	24.170	29.170									

LIP LINE S
Hor250
Ver25

DESIGN LIP	37.622	37.647	37.655	37.662	37.689	37.702	37.707	37.729	37.729	37.729	37.733	37.731	37.652	37.744
CHAINAGE	-5.000	0.000	0.597	1.000	2.000	2.461	2.581	3.580	3.581	4.184	4.581		14.673	15.914

DESIGN LIP	37.707	37.597	37.571	37.521										
CHAINAGE	16.431	20.438	21.648	24.880	29.880									

LIP LINE T
Hor250
Ver25

ALIGNMENT S

POINT NO	EASTING	NORTHING	RL
S1	288330.487	5803431.041	37.571
S2	288330.358	5803433.517	37.628
S3	288330.296	5803434.724	37.742
S4	288329.700	5803439.188	37.769
S5	288329.200	5803440.321	37.688
S6	288319.837	5803444.708	37.852
S7	288317.541	5803442.068	37.798

ALIGNMENT T

POINT NO	EASTING	NORTHING	RL
T1	288346.899	5803447.038	37.647
T2	288343.928	5803448.784	37.729
T3	288336.528	5803441.561	37.652
T4	288336.429	5803440.327	37.744
T5	288336.648	5803435.806	37.707
T6	288336.711	5803434.600	37.597
T7	288336.878	5803431.372	37.571

DESIGN LIP	37.917	37.892	37.925	38.002	38.296	38.319	38.320	38.318	38.309	38.266	38.264	38.263	38.262	38.261
CHAINAGE	-5.000	0.000	2.500	5.000	12.509	13.509	13.522	14.509	14.530	15.221	16.221	16.271	17.221	22.221

LIP LINE M
Hor250
Ver25

DESIGN LIP	38.089	38.114	38.121	38.130	38.156	38.179	38.186	38.195	38.197	38.197	38.197	38.184	37.974	37.918
CHAINAGE	-5.000	0.000	0.550	1.000	2.000	2.641	2.712	3.712	3.786	4.712	12.221	14.721	17.221	22.221

DESIGN LIP	37.892	37.917												
CHAINAGE	37.221	37.917												

LIP LINE L
Hor250
Ver25

ALIGNMENT M

POINT NO	EASTING	NORTHING	RL
M1	288207.082	5803431.167	37.892
1/4	288208.499	5803428.125	37.947
1/2	288210.972	5803425.857	38.071
3/4	288214.125	5803424.708	38.203
M2	288217.477	5803424.853	38.319
1/4	288217.718	5803424.938	38.320
1/2	288217.937	5803425.067	38.318
3/4	288218.127	5803425.237	38.315
M3	288218.280	5803425.441	38.309
M4	288219.391	5803427.272	38.266
1/4	288219.474	5803427.381	38.264
1/2	288219.576	5803427.473	38.263
3/4	288219.694	5803427.543	38.262
M5	288219.824	5803427.588	38.261

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
M1-M2	8.600	13.509	12.162	2.519	-0.655
M2-M3	1.300	1.021	0.995	0.099	-0.025
M4-M5	0.700	0.550	0.536	0.053	0.013

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L1	288191.208	5803420.597	38.114
1/4	288191.344	5803420.617	38.116
1/2	288191.481	5803420.609	38.117
3/4	288191.614	5803420.575	38.119
L2	288191.738	5803420.516	38.121
L3	288193.568	5803419.404	38.179
1/4	288193.798	5803419.294	38.186
1/2	288194.045	5803419.230	38.192
3/4	288194.299	5803419.216	38.195
L4	288194.551	5803419.252	38.197
1/4	288197.593	5803420.669	38.118
1/2	288199.861	5803423.142	38.023
3/4	288201.010	5803426.295	37.935
L5	288200.865	5803429.648	37.892

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
L1-L2	0.700	0.550	0.536	0.053	0.013
L3-L4	1.300	1.021	0.995	0.099	-0.025
L4-L5	8.600	13.509	12.162	2.519	-0.655

KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
INTERSECTION DETAILS SHEET 5 OF 6
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R21** Rev **0**

LIP LINE A
Hor250
Ver25

ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	288251.559	5803319.605	36.924
1/4	288254.812	5803320.430	36.891
1/2	288257.501	5803322.436	36.824
3/4	288259.219	5803325.319	36.757
A2	288259.702	5803328.640	36.724

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	8.600	13.509	12.162	2.519	-0.655

LIP LINE C
Hor250
Ver25

ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	288336.872	5803309.171	36.761
1/4	288336.006	5803312.373	36.747
1/2	288333.992	5803315.010	36.669
3/4	288331.131	5803316.688	36.584
C2	288327.847	5803317.158	36.544

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
C1-C2	8.600	13.353	12.052	2.464	-0.640

LIP LINE E
Hor250
Ver25

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	288349.051	5803362.796	36.846
1/4	288345.798	5803361.972	36.876
1/2	288343.108	5803359.965	36.931
3/4	288341.391	5803357.082	36.978
E2	288340.908	5803353.762	36.983

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
E1-E2	8.600	13.509	12.162	2.519	-0.655

LIP LINE B
Hor250
Ver25

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	288266.093	5803328.972	36.724
1/4	288266.917	5803325.719	36.747
1/2	288268.924	5803323.029	36.782
3/4	288271.807	5803321.312	36.808
B2	288275.127	5803320.829	36.806

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	8.600	13.509	12.162	2.519	-0.655

LIP LINE D
Hor250
Ver25

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	288327.457	5803323.546	36.544
1/4	288330.710	5803324.371	36.592
1/2	288333.399	5803326.377	36.703
3/4	288335.116	5803329.260	36.817
D2	288335.599	5803332.581	36.878

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
D1-D2	8.600	13.509	12.162	2.519	-0.655

LIP LINE F
Hor250
Ver25

ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	288339.684	5803377.330	37.101
1/4	288340.509	5803374.077	37.060
1/2	288342.515	5803371.388	36.973
3/4	288345.398	5803369.671	36.886
F2	288348.719	5803369.188	36.846

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
F1-F2	8.600	13.509	12.162	2.519	-0.655

KERB RETURN SETOUT DETAIL

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
INTERSECTION DETAILS
SHEET 6 OF 6

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R22** Rev **0**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 150, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed: R. WEINBER
Checked: M. CAIRNEY
Authorised: M. CAIRNEY
Date: 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 1 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R23** Rev **0**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 2 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R24** Rev **0**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

| | | |

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

| | | |

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed: R. WEINBER
Checked: M. CAIRNEY
Authorised: M. CAIRNEY
Date: 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 5 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R27** Rev **0**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
2	PITS 61-68 UPDATED	M.L	22-05-19
1	PITS 56-59 UPDATED	M.L	25/01/19
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 6 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R28** Rev **2**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:

1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Φ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
DRAINAGE LONG SECTION
SHEET 7 OF 10

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION

Drg No **303978R29**
Rev **0**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Φ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Pipe Diameter / Pipe Grade / Vf (m/s) / Qactual (m3/s) / Qfull (m3/s)	CLASS 2 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.566 Qf=2.106	CLASS 2 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.537 Qf=2.106	CLASS 2 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.546 Qf=2.106	CLASS 2 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.573 Qf=2.106	CLASS 3 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.575 Qf=2.106	CLASS 3 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.577 Qf=2.106	CLASS 3 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.548 Qf=2.106	CLASS 2 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.561 Qf=2.106	CLASS 3 1200Φ FJ 1 in 400 Vf=1.862 Qa=1.563 Qf=2.106	CLASS 2 900Φ FJ 1 in 350 Vf=1.667 Qa=0.621 Qf=1.061	CLASS 2 900Φ FJ 1 in 350 Vf=1.667 Qa=0.625 Qf=1.061	CLASS 2 750Φ 1 in 350 Vf=1.488 Qa=0.623 Qf=0.657	CLASS 2 750Φ 1 in 350 Vf=1.488 Qa=0.567 Qf=0.657	CLASS 2 675Φ 1 in 274 Vf=1.578 Qa=0.521 Qf=0.565	CLASS 2 300Φ 1 in 100 Vf=1.568 Qa=0.043 Qf=0.111
DATUM R.L.	29.00														30.00
DEPTH TO INVERT	2.820 2.820	2.914 2.864	2.733 2.733	2.754 2.754	2.414 2.364	2.461 2.461	2.384 2.334	2.363 2.313	2.514 2.464	2.818 2.668	2.268 2.268	2.279 2.204	2.278 2.228	2.157 2.107	2.149 2.157 1.744 1.618
DESIGN INVERT LEVEL	34.403 34.403	34.496 34.546	34.562 34.562	34.603 34.603	34.726 34.776	34.807 34.807	34.816 34.866	34.893 34.943	35.028 35.078	35.132 35.282	35.330 35.330	35.380 35.455	35.493 35.543	35.567 35.617	35.700 35.567 35.980 36.140
HYDRAULIC GRADE LEVEL	35.235	35.302 35.327	35.341	35.378	35.503 35.525	35.565	35.577 35.608	35.643 35.666	35.787 35.814	35.882 35.900	35.915	35.935	36.037 36.061	36.092 36.127	36.214 36.092 36.127 36.299 36.318
FINISHED SURFACE LEVEL	37.223	37.409	37.295	37.358	37.140	37.268	37.200	37.256	37.542	37.951	37.598	37.659	37.770	37.724	37.849 37.724 37.758
EXISTING SURFACE LEVEL	36.976	37.169	37.191	37.215	37.389	37.451	37.472	37.534	37.655	37.888	38.005	38.027	38.050	38.055	37.969 38.055 37.861
CHAINAGE	23.972	61.146	67.616	84.138	133.309	145.544	149.191	159.823	194.070	215.770	232.431	250.083	263.058	271.613	294.337 0.000 16.047
	L=37.174m	L=6.470m	L=16.521m	L=49.171m	L=12.234m	L=3.648m	L=10.632m	L=34.247m	L=21.700m	L=16.661m	L=17.652m	L=12.974m	L=8.556m	L=22.723m	L=16.047m

Rev	Amendments	Approved	Date
2	DRAINAGE LONGSECTIONS PITS 93 TO 99 UPDATED.	M.L	15/01/19
1	DRAINAGE LONGSECTIONS PITS 96 TO 99 UPDATED.	M.L	29/11/18
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 8 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R30** Rev **2**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Φ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

Rev	Amendments	Approved	Date
2	DRAINAGE LONGSECTIONS PITS 96 TO 107 UPDATED.	M.L	15/01/19
1	DRAINAGE LONGSECTION PITS 103 TO 106 UPDATED.	M.L	29/11/18
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
DRAINAGE LONG SECTION SHEET 9 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION
Drg No **303978R31**
Rev **2**

CRUSHED ROCK BACKFILL LEGEND

CLASS 2 CRUSHED ROCK

CLASS 3 CRUSHED ROCK

NOTE:
1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Φ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.

DRAINAGE PIT SCHEDULE - STAGE 3

PIT		INTERNAL		INLET		OUTLET		PIT		
PIT No	TYPE	LENGTH	WIDTH	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	REMARKS
1	END PIPE			1500	33.91			36.770	2.862	CONNECT TO EXISTING STUB CONSTRUCTED WITH STAGE 2 WORKS
2	TANGENT POINT			1500	33.95	1500	33.949	36.822	2.874	PIPE TANGENT POINT
3	SIDE ENTRY PIT GRATED	900	1650	1500	34.02	1500	33.973	36.859	2.886	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB)
4	SIDE ENTRY PIT GRATED	900	1650	1500	34.16	1500	34.106	36.983	2.877	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB) PROVIDE 300 DIA STUB AT WEST WALL AT IL34.156
5	SIDE ENTRY PIT GRATED	900	1650	1500	34.53	1500	34.482	37.309	2.827	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB) PROVIDE 300 DIA STUB AT EAST WALL AT IL35.08 & 900 DIA STUB AT
6	SIDE ENTRY PIT GRATED	900	1650	1500	34.71	1500	34.656	37.433	2.777	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB)
7	SIDE ENTRY PIT GRATED	900	1650	1500	35.13	1500	35.084	37.811	2.727	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB) PROVIDE 300 DIA STUB AT WEST WALL AT IL35.134
8	SIDE ENTRY PIT GRATED	900	1650			1500	35.209	37.914	2.705	REFER MELBOURNE WATER STD DWG 7251/08/408 & 409 (PROVIDE HAUNCHING UNDER KERB) PROVIDE 1500 DIA STUB AT NORTH WALL AT IL35.265
				900	35.51					
9	SIDE ENTRY PIT DOUBLE GRATED	900	1650	900	35.60	900	35.549	37.859	2.309	REFER DRAWING EDCM 604 & 607 & REFER SHEET 33 FOR PIT DETAILS (PROVDE HEAVY DUTY COVER)
				300	36.15					
10	SIDE ENTRY PIT GRATED	900	1500	900	35.70	900	35.648	37.945	2.297	REFER DRAWING EDCM 607 & REFER SHEET 33 FOR PIT DETAILS (PROVIDE HEAVY DUTY COVER)
11	TANGENT POINT			900	35.72	900	35.718	37.985	2.267	PIPE TANGENT POINT
12	SIDE ENTRY PIT GRATED	900	1050	900	35.81	900	35.758	38.068	2.310	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
13	JUNCTION PIT	900	1650	900	35.90	900	35.904	38.294	2.390	REFER DRAWING EDCM 607 & REFER SHEET 33 FOR PIT DETAILS
				300	36.50					
14	SIDE ENTRY PIT GRATED	1200	1650	900	36.03	900	35.976	38.034	2.057	REFER MELBOURNE WATER STD DWG 7251/08/408 (PROVIDE HAUNCHING UNDER KERB) & REFER SHEET 33 FOR PIT DETAILS
				450	36.24					
15	END PIPE					900	36.032	38.045	2.013	BLANK END WITH TIMBER
16	SIDE ENTRY PIT GRATED	900	600	375	36.35	450	36.3	38.034	1.734	REFER DRAWING - EDCM 601
17	END PIPE					375	36.37	38.045	1.675	BLANK END WITH TIMBER
18	SIDE ENTRY PIT GRATED	900	600	300	36.68	300	36.63	38.293	1.663	REFER DRAWING - EDCM 601
19	SIDE ENTRY PIT GRATED	900	600			300	36.87	38.307	1.437	REFER DRAWING - EDCM 601
20	SIDE ENTRY PIT DOUBLE GRATED	900	600			300	36.28	37.871	1.591	REFER DRAWING - EDCM 604 (PROVIDE 300 DIA STUB AT WEST WALL AT IL 36.100) (PROVIDE HEAVY DUTY COVER)
21	END PIPE			600	34.49			36.766	2.281	CONNECT TO EXISTING END PIPE CONSTRUCTED WITH STAGE 2 WORKS
22	JUNCTION PIT	900	900	600	34.55	600	34.501	36.782	2.281	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
23	JUNCTION PIT	900	900	600	34.72	600	34.67	36.893	2.223	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				300	34.87					
24	SIDE ENTRY PIT GRATED	900	900	525	34.83	600	34.78	36.672	1.892	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	34.93					
25	SIDE ENTRY PIT GRATED	900	900	525	34.93	525	34.88	36.673	1.793	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
26	JUNCTION PIT	900	900	450	35.24	525	35.19	36.929	1.739	REFER DRAWING - EDCM 605
				375	35.27					
27	SIDE ENTRY PIT GRATED	900	600	300	35.38	450	35.3	36.848	1.548	REFER DRAWING - EDCM 601
				300	35.38					
28	SIDE ENTRY PIT GRATED	900	600	300	36.35	300	36.3	38.313	2.013	REFER DRAWING - EDCM 601
29	JUNCTION PIT	900	600	300	36.49	300	36.44	38.152	1.712	REFER DRAWING - EDCM 605
				300	36.49					
30	SIDE ENTRY PIT GRATED	900	600	300	36.61	300	36.56	38.167	1.607	REFER DRAWING - EDCM 601
31	SIDE ENTRY PIT GRATED	900	600			300	36.86	38.392	1.532	REFER DRAWING - EDCM 601 (PROVIDE HEAVY DUTY COVER)
32	SIDE ENTRY PIT GRATED	900	600			300	36.57	38.074	1.504	REFER DRAWING - EDCM 601
33	SIDE ENTRY PIT GRATED	900	600	300	35.48	300	35.43	36.848	1.418	REFER DRAWING - EDCM 601
34	SIDE ENTRY PIT GRATED	900	600			300	36.6	38.158	1.558	REFER DRAWING - EDCM 601
35	SIDE ENTRY PIT GRATED	900	600	375	35.45	375	35.4	37.053	1.653	REFER DRAWING - EDCM 601
36	JUNCTION PIT	900	600	375	35.71	375	35.66	37.253	1.593	REFER DRAWING - EDCM 605
37	JUNCTION PIT	900	600	300	35.87	375	35.82	37.325	1.505	REFER DRAWING - EDCM 605
37A	JUNCTION PIT	900	600	300	35.95	300	35.9	37.679	1.779	REFER DRAWING - EDCM 605
38	JUNCTION PIT	900	600	225	36.68	300	36.63	38.142	1.512	REFER DRAWING - EDCM 605
				225	36.68					
38A	JUNCTION PIT	900	600			225	37.04	38.294	1.254	REFER DRAWING - EDCM 605
39	JUNCTION PIT	900	600	225	36.80	225	36.745	38.145	1.399	REFER DRAWING - EDCM 605
40	JUNCTION PIT	900	600	225	37.10	225	37.05	37.955	0.905	REFER DRAWING - EDCM 605 (PROVIDE STUB AT IL36.56)
41	JUNCTION PIT	900	600			225	37.17	37.917	0.747	REFER DRAWING - EDCM 605
42	SIDE ENTRY PIT GRATED	900	600	300	35.38	300	35.33	36.918	1.588	REFER DRAWING - EDCM 601
43	JUNCTION PIT	900	600			300	35.68	37.218	1.538	REFER DRAWING - EDCM 605
44	SIDE ENTRY PIT GRATED	900	600	300	35.10	300	35.05	37.010	1.960	REFER DRAWING - EDCM 601
45	SIDE ENTRY PIT GRATED	900	600			300	35.75	37.576	1.826	REFER DRAWING - EDCM 601
46	END PIPE			900	34.26			36.766	2.506	CONNECT TO EXISTING END PIPE CONSTRUCTED WITH STAGE 2 WORKS
47	JUNCTION PIT	900	1050	825	34.32	900	34.272	36.782	2.509	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
48	SIDE ENTRY PIT GRATED	900	900	750	34.49	825	34.44	36.928	2.488	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
49	JUNCTION PIT	900	900	750	34.69	750	34.64	37.108	2.468	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				300	34.93					
50	SIDE ENTRY PIT GRATED	900	900	750	34.84	750	34.79	37.232	2.442	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
51	JUNCTION PIT	900	900	600	35.15	750	35.07	37.712	2.642	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				450	35.15					
51A	SIDE ENTRY PIT GRATED	900	600	450	35.24	450	35.185	37.767	2.582	REFER DRAWING - EDCM 601
52	SIDE ENTRY PIT GRATED	900	900	600	35.40	600	35.35	37.809	2.459	REFER DRAWING - EDCM 601
53	SIDE ENTRY PIT GRATED	900	900	600	35.59	600	35.54	37.916	2.376	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
54	TANGENT POINT			600	35.75	600	35.75	38.167	2.418	PIPE TANGENT POINT
55	TANGENT POINT			600	35.86	600	35.863	38.083	2.220	PIPE TANGENT POINT
56	SIDE ENTRY PIT GRATED	900	900	600	36.00	600	35.95	38.024	2.074	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.15					
57	END PIPE					600	36.038	38.035	1.997	BLANK END WITH TIMBER
58	SIDE ENTRY PIT GRATED	900	600	300	36.35	300	36.3	38.024	1.724	REFER DRAWING - EDCM 601
59	END PIPE					300	36.383	38.035	1.652	BLANK END WITH TIMBER
60	SIDE ENTRY PIT GRATED	900	600	450	35.33	450	35.28	37.764	2.484	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
61	SIDE ENTRY PIT GRATED	900	600	450	35.43	450	35.38	37.777	2.397	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	35.50					
62	TANGENT POINT			450	35.52	450	35.515	37.880	2.366	PIPE TANGENT POINT
63	JUNCTION PIT	900	600	450	35.64	450	35.585	37.969	2.384	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
64	TANGENT POINT			450	35.73	450	35.728	38.084	2.357	PIPE TANGENT POINT
65	TANGENT POINT			450	35.83	450	35.832	37.975	2.143	PIPE TANGENT POINT
66	SIDE ENTRY PIT GRATED	900	600	450	35.92	450	35.872	37.891	2.019	REFER DRAWING - EDCM 601
				300	35.99					

DRAINAGE PIT SCHEDULE - STAGE 3

PIT		INTERNAL		INLET		OUTLET		PIT		
PIT No	TYPE	LENGTH	WIDTH	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	REMARKS
66A	SIDE ENTRY PIT GRATED	900	600			300	36.39	37.878	1.488	REFER DRAWING - EDCM 601
67	JUNCTION PIT	900	600	300	36.07	450	35.99	37.877	1.887	REFER DRAWING - EDCM 605
				300	36.26					
67A	SIDE ENTRY PIT GRATED	900	600	300	36.18	300	36.13	37.748	1.618	REFER DRAWING - EDCM 601
67B	SIDE ENTRY PIT GRATED	900	600			300	36.25	37.724	1.474	REFER DRAWING - EDCM 601
67C	JUNCTION PIT	900	600			300	36.51	38.240	1.730	REFER DRAWING - EDCM 605
										PROVIDE 300 DIA STUB AT IL36.56
68	JUNCTION PIT	900	600	300	36.04	300	35.99	37.853	1.863	REFER DRAWING - EDCM 605
69	SIDE ENTRY PIT GRATED	900	600			300	36.35	37.928	1.578	REFER DRAWING - EDCM 601
70	SIDE ENTRY PIT GRATED	900	600	300	35.22	300	35.17	36.966	1.796	REFER DRAWING - EDCM 601
				300	35.22					
71	SIDE ENTRY PIT GRATED	900	600	300	35.36	300	35.31	36.966	1.656	REFER DRAWING - EDCM 601
72	JUNCTION PIT	900	600	225	35.60	300	35.52	37.044	1.524	REFER DRAWING - EDCM 605
				300	35.57					
73	JUNCTION PIT	900	600	225	36.35	225	36.3	37.640	1.340	REFER DRAWING - EDCM 605
74	JUNCTION PIT	900	600	225	36.87	225	36.82	37.697	0.877	REFER DRAWING - EDCM 605
75	JUNCTION PIT	900	600			225	36.96	37.735	0.775	REFER DRAWING - EDCM 605
76	SIDE ENTRY PIT GRATED	900	600			300	35.82	37.287	1.467	REFER DRAWING - EDCM 601
77	JUNCTION PIT	900	600			300	35.65	37.199	1.549	REFER DRAWING - EDCM 605
78	END PIPE			300	35.54			37.102	1.562	CONNECT TO EXISTING END PIPE CONSTRUCTED WITH STAGE 2 WORKS
79	SIDE ENTRY PIT GRATED	900	600	300	35.60	300	35.548	37.110	1.562	REFER DRAWING - EDCM 601
80	JUNCTION PIT	900	600	300	35.77	300	35.72	37.226	1.506	REFER DRAWING - EDCM 605
81	SIDE ENTRY PIT GRATED	900	600			300	35.85	37.300	1.450	REFER DRAWING - EDCM 601
82	END PIPE			1200	34.29			37.102	2.809	CONNECT TO EXISTING END PIPE CONSTRUCTED WITH STAGE 2 WORKS
83	SIDE ENTRY PIT GRATED	900	1350	1200	34.36	1200	34.306	37.127	2.821	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
84	TANGENT POINT			1200	34.40	1200	34.403	37.223	2.820	PIPE TANGENT POINT
85	JUNCTION PIT	900	1350	1200	34.55	1200	34.496	37.409	2.914	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				300	35.37					
86	TANGENT POINT			1200	34.56	1200	34.562	37.295	2.733	PIPE TANGENT POINT
87	TANGENT POINT			1200	34.60	1200	34.603	37.358	2.754	PIPE TANGENT POINT
88	SIDE ENTRY PIT GRATED	900	1350	1200	34.78	1200	34.726	37.140	2.414	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
89	TANGENT POINT			1200	34.81	1200	34.807	37.268	2.461	PIPE TANGENT POINT
90	SIDE ENTRY PIT GRATED	900	1350	1200	34.87	1200	34.816	37.200	2.384	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	35.25					
91	JUNCTION PIT	900	1350	1200	34.96	1200	34.893	37.256	2.363	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
92	JUNCTION PIT	900	1350	1200	35.08	1200	35.028	37.542	2.514	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
93	JUNCTION PIT	2400	900	900	35.28	1200	35.132	37.951	2.818	REFER SHEET 33 FOR PIT DETAILS
				750	35.34					
94	TANGENT POINT			900	35.33	900	35.33	37.686	2.263	PIPE TANGENT POINT
95	SIDE ENTRY PIT GRATED	900	1200	750	35.46	900	35.38	37.659	2.279	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	35.95					
96	JUNCTION PIT	900	1200	750	35.54	750	35.493	37.770	2.278	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				225	36.00					
97	SIDE ENTRY PIT GRATED	900	1200	675	35.62	750	35.567	37.724	2.157	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	35.98					
98	END PIPE					675	35.7	37.849	2.149	BLANK END WITH TIMBER
99	SIDE ENTRY PIT GRATED	900	600			300	36.14	37.758	1.618	REFER DRAWING - EDCM 601
100	END PIPE					225	36.2	38.052	1.852	BLANK END WITH TIMBER
101	SIDE ENTRY PIT GRATED	900	600			300	36.1	37.672	1.572	REFER DRAWING - EDCM 601
102	JUNCTION PIT	1500	900	750	35.45	750	35.405	38.048	2.646	REFER SHEET 33 FOR PIT DETAILS
				300	35.68					
102A	SIDE ENTRY PIT DOUBLE GRATED	900	900	750	35.58	750	35.531	37.673	2.142	REFER DRAWING - EDCM 602 (PROVIDE HEAVY DUTY COVER)
103	SIDE ENTRY PIT GRATED	900	900	750	35.69	750	35.636	37.735	2.099	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	35.90					
104	SIDE ENTRY PIT GRATED	900	900	675	35.80	750	35.747	37.844	2.097	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
104A	TANGENT POINT			675	36.12	675	36.124	38.289	2.165	PIPE TANGENT POINT
105	END PIPE					675	36.2	38.405	2.205	BLANK END WITH TIMBER
106	SIDE ENTRY PIT GRATED	900	600			300	36.19	37.851	1.661	REFER DRAWING - EDCM 601 (PROVIDE HEAVY DUTY COVER)
107	SIDE ENTRY PIT DOUBLE GRATED	900	600			300	35.91	37.575	1.665	REFER DRAWING - EDCM 602 (PROVIDE HEAVY DUTY COVER)
108	SIDE ENTRY PIT GRATED	900	600			300	35.62	37.198	1.578	REFER DRAWING - EDCM 601
109	SIDE ENTRY PIT GRATED	900	600	300	35.48	300	35.43	37.351	1.921	REFER DRAWING - EDCM 601
110	SIDE ENTRY PIT GRATED	900	600			300	35.74	37.139	1.399	REFER DRAWING - EDCM 601
111	END PIPE			300	35.21			36.768	1.558	CONNECT TO EXISTING END PIPE CONSTRUCTED WITH STAGE 2 WORKS
112	JUNCTION PIT	900	600	300	35.27	300	35.223	36.782	1.559	REFER DRAWING - EDCM 605
113	SIDE ENTRY PIT GRATED	900	600	300	35.40	300	35.346	36.857	1.512	REFER DRAWING - EDCM 601
114	SIDE ENTRY PIT GRATED	900	600			300	35.456	36.872	1.415	REFER DRAWING - EDCM 601

Rev	Amendments	Approved	Date
5	PIT SCHEDULE PIT 14, 93 & 102A UPDATED	M.L	22-05-19
4	PIT SCHEDULE PIT 93 UPDATED	M.L	14/03/19
3	PIT 57 & 59 UPDATED	M.L	25/01/19
2	PIT 67-67C & SCHEDULE UPDATED (PITS 67 TO 67C, PITS 93 TO 98 & PITS 93 TO 105)	M.L	18/01/19
1	PIT SCHEDULE UPDATED (PITS 9, 10, 20, 31, 97, 99, 104 & 106)	M.L	29/11/18
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
DRAINAGE LONG SECTION & PIT SCHEDULE
SHEET 10 OF 10
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R32** Rev **5**

CONCRETE DETAILS
PLAN - SIDE ENTRY PIT 14
SCALE 1:250

CONCRETE DETAILS
PLAN - JUNCTION PIT 13
SCALE 1:250

CONCRETE DETAILS
PLAN - JUNCTION PIT 10
SCALE 1:250

CONCRETE DETAILS
PLAN - JUNCTION PIT 102
SCALE 1:250

CONCRETE DETAILS
PLAN - SIDE ENTRY PIT 9
SCALE 1:250

CONCRETE DETAILS
PLAN - JUNCTION PIT 93
SCALE 1:250

Rev	Amendments	Approved	Date
3	PIT 93 UPDATED.	M.L	22-05-19
2	PIT 93 UPDATED.	M.L	14/03/19
1	PIT 93 PIPE INLET SIZE UPDATED.	M.L	18/01/19
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale H 1:500, V 1:50, A1
Horizontal 0 5 10 15 20 25
Vertical 0 0.5 1.0 1.5 2.0 2.5

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE
STAGE 3
PIT DETAILS

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R33** Rev **3**

DESIGN PAVEMENT PROFILE FOR CONNECTOR STREET

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) CONNECTOR STREET
A	ASPHALT WEARING COURSE	Size 14 Type N Asphalt	40
B	ASPHALT STRUCTURAL COURSE	Size 20 Type SI Asphalt	60
D	BASE	Size 20 Type SI Asphalt	90
		UPPER PAVEMENT TOTAL	190
E	UPPER SUBBASE	20mm 3% Cement Treated Crushed Rock (E=500MPa)	120
F	LOWER SUBBASE	Class 3 Crushed Rock (size 20mm). Compacted in 2 layers	100
G	CAPPING LAYER	Type A - Working platform achieving CBR > 5%; Properties: CBR >15.0%, Swell <1.5 %, Permeability < 1E-9 m/s (thickness to be confirmed during construction)	305
		TOTAL PAVEMENT DEPTH	715

NOTE:
REFER TO SITE GEOTECHNICAL PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

DESIGN PAVEMENT PROFILE FOR ROUNDABOUT

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) CONNECTOR STREET
A	ASPHALT WEARING COURSE	Size 14 Type V Asphalt	40
B	ASPHALT STRUCTURAL COURSE	Size 20 Type SI Asphalt	60
D	BASE	Size 20 Type SI Asphalt	90
		UPPER PAVEMENT TOTAL	190
E	UPPER SUBBASE	20mm Cement Treated Crushed Rock (E=500MPa)	120
F	LOWER SUBBASE	Class 3 Crushed Rock (size 20mm). Compacted in 2 layers	100
G	CAPPING LAYER	Type A - Working platform achieving CBR > 5%; Properties: CBR >15.0%, Swell <1.5 %, Permeability < 1E-9 m/s (thickness to be confirmed during construction)	305
		TOTAL PAVEMENT DEPTH	715

NOTE:
REFER TO SITE GEOTECHNICAL PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

LOT FILLING AT STAGE BOUNDARY

N.T.S

PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY SITE GEOTECHNICAL PTY LTD WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF SITE GEOTECHNICAL PTY LTD

THE DESIGN HAS BEEN EXTRACTED FROM THE SITE GEOTECHNICAL PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS". THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED. A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS.
ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO SITE GEOTECHNICAL PTY LTD AND SENT TO SPIIRE.

DESIGN PAVEMENT PROFILE FOR ACCESS STREET LEVEL 1

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) ACCESS STREET LVL 1
A	ASPHALT WEARING COURSE	Size 10mm Type N Asphalt	30
B	ASPHALT STRUCTURAL COURSE	Size 10mm Type N Asphalt	30
C		Prime Coat and SAMI treatment (size 10 S18RF)	0
		approximately 10mm thick	
D	BASE	Class 2 Crushed Rock (size 20mm)	130
		UPPER PAVEMENT TOTAL	190
E	UPPER SUBBASE	Class 2 Crushed Rock (size 20mm)	100
F	LOWER SUBBASE	Class 3 Crushed Rock (size 20mm). Compacted in 2 layers	150
G	CAPPING LAYER	Type A - Working platform achieving CBR > 5%; Properties: CBR >15.0%, Swell <1.5 %, Permeability < 1E-9 m/s (thickness to be confirmed during construction)	160
		TOTAL PAVEMENT DEPTH	600

NOTE:
REFER TO SITE GEOTECHNICAL PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

DESIGN PAVEMENT PROFILE FOR ACCESS STREET LEVEL 2

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) ACCESS STREET LVL 2
A	ASPHALT WEARING COURSE	Size 14mm Type N Asphalt	40
B	ASPHALT STRUCTURAL COURSE	Size 14mm Type HP or Type N Asphalt	40
C		Prime Coat and SAMI treatment (size 10 S18RF)	0
		approximately 10mm thick	
D	BASE	Class 2 Crushed Rock (size 20mm)	110
		UPPER PAVEMENT TOTAL	190
E	UPPER SUBBASE	Class 2 Crushed Rock (size 20mm)	140
F	LOWER SUBBASE	Class 3 Crushed Rock (size 20mm). Compacted in 2 layers	150
G	CAPPING LAYER	Type A - Working platform achieving CBR > 5%; Properties: CBR >15.0%, Swell <1.5 %, Permeability < 1E-9 m/s (thickness to be confirmed during construction)	160
		TOTAL PAVEMENT DEPTH	640

NOTE:
REFER TO SITE GEOTECHNICAL PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

SUBSURFACE DRAIN AT INTERSECTING PAVEMENTS

TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION

N.T.S

LOT REGRADING DETAIL

N.T.S

LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE - DETAIL

N.T.S

NEW CONSTRUCTION

N.T.S

NOTE FOR SAMI TREATMENT

DESIGN AND APPLICATION OF SAMI, INCLUDING MATERIAL REQUIREMENTS, SHOULD COMPLY WITH VICROADS STANDARD SPECIFICATION FOR ROADWORKS AND BRIDGEWORKS SECTION 408 AND THE CURRENT AUSTROADS SPRAYED SEAL DESIGN METHOD.

ROAD TYPE DESIGNATIONS

ROAD NAME	ROAD PAVEMENT TYPE
PLANE AVENUE	CONNECTOR STREET
BARRABOOL BOULEVARD	ACCESS STREET LVL 2
FLOW STREET	ACCESS STREET LVL 1
YARD STREET	ACCESS STREET LVL 1
SEDGE STREET	ACCESS STREET LVL 1
COURSE STREET	ACCESS STREET LVL 1
SHALLOW STREET	ACCESS STREET LVL 1
GLOVER STREET	ACCESS STREET LVL 1
WEBB STREET	ACCESS STREET LVL 1

TYPICAL CATCH DRAIN SECTION

N.T.S

SM2

OPEN DRAIN CROSS SECTION

GEOFABRIC SILT FENCE

SILT CONTROL FOR LOTS

GEOFABRIC SILT FENCE

SM1

SILT CONTROL OPTIONS

NOT TO SCALE

SM3

B2

EDGE STRIP

STANDARD KERB PROFILES

NOT TO SCALE

NOTES:
1. ALL KERBS AND KERB & CHANNEL TO BE REINFORCED IN ACCORDANCE WITH MUNICIPALITY STD DRAWINGS.
2. ALL KERBS AND KERB & CHANNEL TO HAVE 190mm DEPTH OF CONCRETE BELOW TOP OF PAVEMENT LEVEL.

TEMPORARY EDGE STRIP

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

NOT TO SCALE

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
PAVEMENT & TYPICAL DETAILS

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R34** Rev **0**

LEGEND

S1		STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.
S2	R1-3A	
S3	R2-3(L)	
S4		ROAD HUMP SIGN (BLACK & YELLOW) ADVISORY SPEED SIGN (BLACK & YELLOW)
S5	D4-V102	
S6	R1-2A	
S7	G9-20	
S8	D4-5	
S9		
S10	W6-9 W8-23	
S11	R5-35L	
S11A	R5-35R	
S12	R3-1	
S13	W6-9 W8-23 W8-3A	
S14	W6-9 W8-23 W8-3A	
S15	W2-7	
S16	W6-8A	

BIKE PATH CONTRASTING SURFACE COLOUR:

FOR ENHANCED VISIBILITY AT ALL ROAD CROSSINGS AND DRIVEWAY CROSSINGS AS SHOWN.
USE GREEN EPOXY MODIFIED ACEYLIC COATING WITH A NON SLIP SURFACE.

TGSI KERB RAMP
TGSI DIRECTIONAL
HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY
FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDCM 403
TGSI'S SHALL CONFORM TO AS1428.4

1-WAY RRPM (5m SPACING)

NOTE:

1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

1:500,A1
Horizontal 0 5 10 15 20 25
Vertical 0 5 10 15 20 25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3

SIGNAGE & LINEMARKING PLAN SHEET 1 OF 3

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION
Drg No 303978R35
Rev 0

FOR CONTINUATION REFER SHEET 1

LEGEND

S1 — STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE

S2 — R1-3A

S3 — KEEP LEFT — R2-3(L)

S4 — ROAD HUMP SIGN (BLACK & YELLOW); 20 km/h — ADVISORY SPEED SIGN (BLACK & YELLOW)

S5 — D4-V102

S6 — GIVE WAY — R1-2A

S7 — ROAD CLOSED — G9-20

S8 — D4-5

S9 — WATCH FOR

S10 — W6-9; W8-23

S11 — R5-35L

S11A — R5-35R

S12 — R3-1

S13 — W6-9; W8-23; ON SIDE ROAD — W8-3A

S14 — W6-9; W8-23; ON SIDE ROAD — W8-3A

S15 — W2-7

S16 — ROAD AHEAD — W6-8A

BIKE PATH CONTRASTING SURFACE COLOUR:

FOR ENHANCED VISIBILITY AT ALL ROAD CROSSINGS AND DRIVEWAY CROSSINGS AS SHOWN.
USE GREEN EPOXY MODIFIED ACEYLIC COATING WITH A NON SLIP SURFACE.

TGSI KERB RAMP
TGSI DIRECTIONAL
HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY. FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDCM 403. TGSI'S SHALL CONFORM TO AS1428.4

1-WAY RRPM (5m SPACING)

NOTE:

1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

1:500,A1
Horizontal 0 5 10 15 20 25
Vertical 0 5 10 15 20 25

dlcs AS/NZS ISO 9001 certified · AS/NZS 4801 certified · AS/NZS ISO 14001 certified

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed: R. WEINBER
Checked: M. CAIRNEY
Authorised: M. CAIRNEY
Date: 20/08/18

MAMBOURIN ESTATE STAGE 3

SIGNAGE & LINEMARKING PLAN SHEET 2 OF 3

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R36** Rev **0**

LEGEND

S1 — STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.

S2 — R1-3A

S3 — KEEP LEFT — R2-3(L)

S4 — ROAD HUMP SIGN (BLACK & YELLOW)

20 km/h — ADVISORY SPEED SIGN (BLACK & YELLOW)

S5 — D4-V102

S6 — GIVE WAY — R1-2A

S7 — ROAD CLOSED — G9-20

S8 — D4-5

S9 — WATCH FOR

S10 — W6-9 / W8-23

S11 — R5-35L

S11A — R5-35R

S12 — R3-1

S13 — W6-9 / W8-23 / ON SIDE ROAD — W8-3A

S14 — W6-9 / W8-23 / ON SIDE ROAD — W8-3A

S15 — W2-7

S16 — ROAD AHEAD — W6-8A

BIKE PATH CONTRASTING SURFACE COLOUR:

FOR ENHANCED VISIBILITY AT ALL ROAD CROSSINGS AND DRIVEWAY CROSSINGS AS SHOWN.
USE GREEN EPOXY MODIFIED ACEYLIC COATING WITH A NON SLIP SURFACE.

TGSI KERB RAMP
TGSI DIRECTIONAL

HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY
FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDCM 403
TGSI'S SHALL CONFORM TO AS1428.4

1-WAY RRPM (5m SPACING)

NOTE:

1 STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.L	20/11/18

1:100,A1
Horizontal 0 5 10 15 20 25
Vertical 0 5 10 15 20 25

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire
spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed: R. WEINBER
Checked: M. CAIRNEY
Authorised: M. CAIRNEY
Date: 20/08/18

MAMBOURIN ESTATE STAGE 3
SIGNAGE AND LINEMARKING PLAN SHEET 3 OF 3
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION
Drg No **303978R37**
Rev **0**

PLAN
FLAT TOP ROAD HUMP
(PLANE AVENUE)

DETAIL A
RAISED PLATFORM PROFILE
NOT TO SCALE

BASALT PORPHYRY STONE
(90X90mm WITH 10-15mm MORTAR GAP)

NOTE:
CONTRACTOR TO PROVIDE 1m SQUARE SAMPLE OF BOTH SURFACES TO SUPER INTENDENT FOR APPROVAL BEFORE CONSTRUCTION WORK CAN COMMENCE

6A VEHICLE GRADE PORPHYRY SETTS
TYPICAL DETAIL PLAN 1:10

6B VEHICLE GRADE PORPHYRY SETTS
TYPICAL DETAIL SECTION 1:10

PLAN
FLAT TOP ROAD HUMP
(FLOW STREET)

SECTION B-B
NOT TO SCALE

SECTION A-A
FLAT TOP RAISED PAVEMENT
NOT TO SCALE

PLAN
FLAT TOP ROAD HUMP
(SEDGE STREET)

SECTION C-C
NOT TO SCALE

THRESHOLD DETAILS

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) PORPHYRY STONE
BASALT PORPHYRY STONE	90mm X 90mm BASALT PORPHYRY STONE (AS PER PHOTO) 10mm - 15mm MORTAR JOINTS	60
MORTAR BED	GREY COLOURED MORTAR	35
EXPOSED AGGREGATE	KEABLA MIDWAY MINI MIX CONCRETE (AS PER PHOTO) OR 14mm-20mm BLUE METAL (60%), 10mm-14mm QUARTZ (30%), 7mm-10mm YELLOW CHIP / PEBBLE (10%) , FINISH = WATER WASHED MEDIUM EXPOSED (2mm). CHARACTERISTIC FLEXURAL STRENGTH = 4.5MPa, SL92 TOP REINFORCEMENT, 40mm COVER	-
CONCRETE BASE COURSE	CHARACTERISTIC FLEXURAL STRENGTH = 4.5MPa, SL92 TOP REINFORCEMENT, 40mm COVER	195
DE-BONDING TREATMENT	BITUMEN SPRAYED SEAL WITH 5mm-7mm AGGREGATE	Y
	UPPER PAVEMENT TOTAL	290
LOWER SUBBASE	Class 3 Crushed Rock (size 20mm). Compacted in 2 layers	150
CAPPING LAYER	Type A - Working platform achieving CBR > 5%; Properties: CBR >15.0%, Swell <1.5 %, Permeability < 1E-9 m/s (thickness to be confirmed during construction)	160
	TOTAL PAVEMENT DEPTH	600

Rev	Amendments	Approved	Date
1	VEHICLE GRADE PORPHYRY SETTS ADDED &	M.L	18/01/19
	BASALT PORPHYRY STONE THRESHOLD TREATMENT ADDED		
0	CONSTRUCTION ISSUE	M.L	20/11/18

Scale 1:200, A1
Horizontal 0 2 4 6 8 10
Vertical 0 2 4 6 8 10

© Spiire Australia Pty Ltd All Rights Reserved
This document is produced by Spiire Australia Pty Ltd solely for the benefit of and use by the client in accordance with the terms of the retainer. Spiire Australia Pty Ltd does not and shall not assume any responsibility or liability whatsoever to any third party arising out of any use or reliance by third party on the content of this document.

spiire.com.au ABN 55 050 029 635

FRASERS PROPERTY

Designed R. WEINBER
Checked M. CAIRNEY
Authorised M. CAIRNEY
Date 20/08/18

MAMBOURIN ESTATE STAGE 3
RAISED PAVEMENT DETAILS

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

CONSTRUCTION Drg No **303978R38** Rev **1**