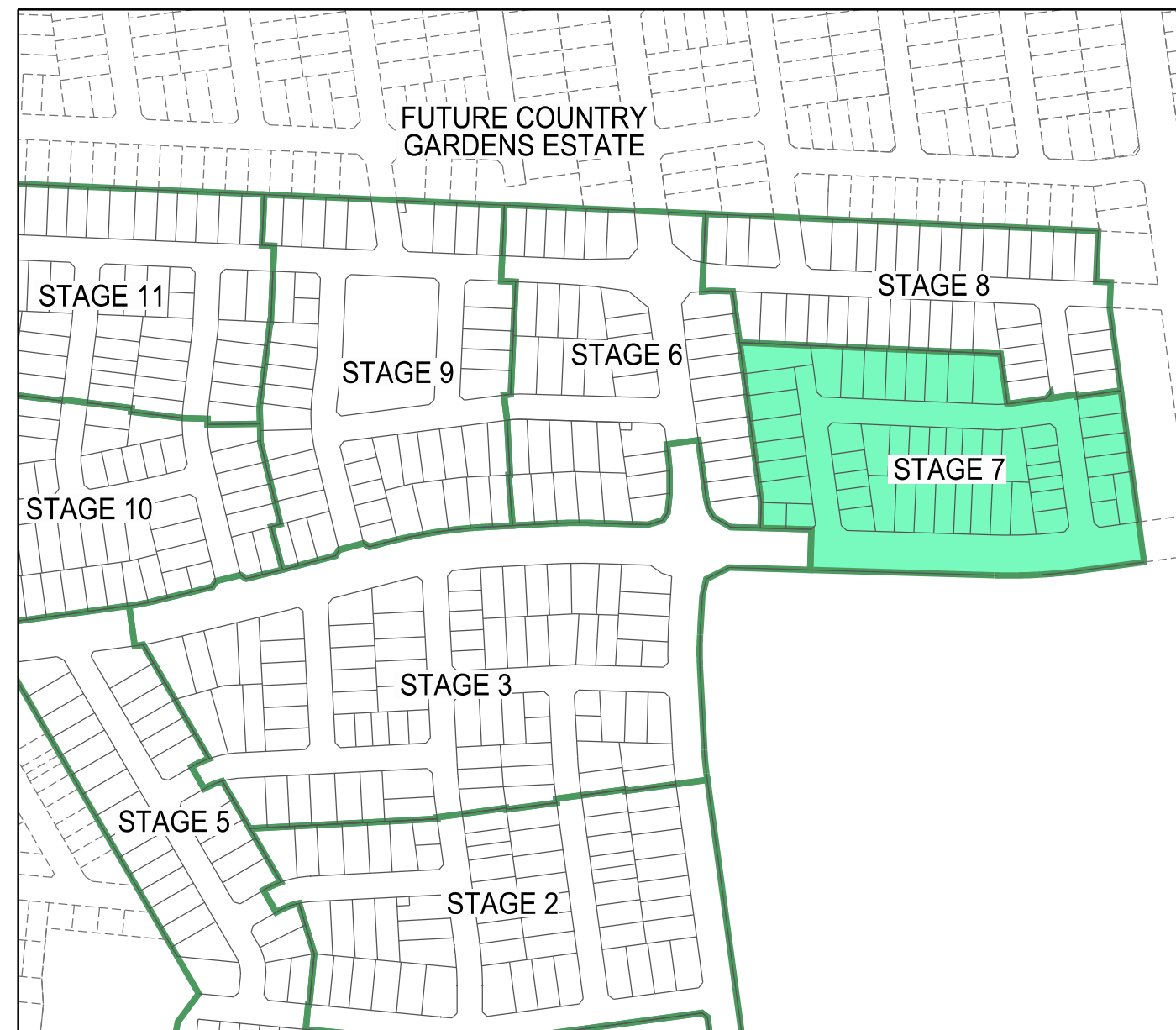


MAMBOURIN ESTATE STAGE 7

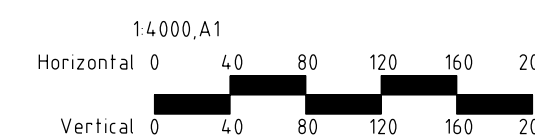
FRASERS PROPERTY AUSTRALIA

GENERAL NOTES:

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55.
- 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 $\pm 0.05\text{m}$.
- 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.
- ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.
- 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.
- 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.
- ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF-SITE UNLESS NOTED OTHERWISE.
- 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.
- FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- 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.
- 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 TBM'S THEREAFTER.
- AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 150mm 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.
- 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.
- WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUGGED 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.
- NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCIL'S & SUPERINTENDENT WRITTEN PERMISSION.
- 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
- ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE METROPOLITAN PLANNING AUTHORITY STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.3m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- 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.
- WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
- OPTICOMM IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- 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.
- 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.
- 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.
- ALL VEHICLE CROSSINGS ARE IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
- 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.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.
- CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. TEMP TO BE APPROVED BY COUNCIL PRIOR TO THE COMMENCEMENT OF WORKS.
- 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.
- TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.
- 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.
- ALL PITS / MANHOLES IN CONCRETED AREAS TO BE CONSTRUCTED IN ACCORDANCE WITH WCC DETAIL SD2-5.
- 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 HYDROSEED.
- 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.
- CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURERS SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.



LOCALITY PLAN



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
305172R01	FACE SHEET	1	3
305172R02	ROAD & DRAINAGE FACE PLAN	2	2
305172R03	ROAD & DRAINAGE SERVICES PLAN	3	2
305172R04	LONGITUDINAL SECTION - PLANE AVENUE	4	1
305172R05	LONGITUDINAL SECTION - PERCEVAL PLACE, LYRIC DRIVE, SKETCHES WAY & LONG DRIVEWAY	5	1
305172R06	CROSS SECTIONS - PLANE AVENUE	6	1
305172R07	CROSS SECTIONS - PLANE AVENUE	7	0
305172R08	CROSS SECTIONS - PLANE AVENUE & PERCEVAL PLACE	8	0
305172R09	CROSS SECTIONS - PERCEVAL PLACE	9	0
305172R10	CROSS SECTIONS - PERCEVAL PLACE, SKETCHES WAY & LYRIC DRIVE	10	0
305172R11	CROSS SECTIONS - LYRIC DRIVE & LONG DRIVEWAY	11	0
305172R12	INTERSECTION DETAILS - SHEET 1 OF 3	12	1
305172R13	INTERSECTION DETAILS - SHEET 2 OF 3	13	1
305172R14	INTERSECTION DETAILS - SHEET 3 OF 3	14	0
305172R15	DRAINAGE LONG SECTION SHEET 1 OF 4	15	1
305172R16	DRAINAGE LONG SECTION SHEET 2 OF 4	16	1
305172R17	DRAINAGE LONG SECTION SHEET 3 OF 4	17	1
305172R18	DRAINAGE LONG SECTION SHEET 4 OF 4	18	1
305172R19	DRAINAGE PIT SCHEDULE	19	1
305172R20	SIGNAGE & LINEMARKING - SHEET 1 OF 2	20	1
305172R21	SIGNAGE & LINEMARKING - SHEET 2 OF 2	21	0
305172R22	PAVEMENT PLAN AND TYPICAL DETAILS	22	2
305172R23	RAISED PAVEMENT DETAILS	23	0

LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OVERHEAD ELECTRICITY & POLE	OE	OE
TELECOMMUNICATIONS & SERVICE PIT	T	T
OPTIC FIBRE	OF	OF
OVERHEAD TELECOMMUNICATIONS	OT	OT
GAS MAIN	G	G
BRANCH SEWER & MAINTENANCE STRUCTURE	S	S
SEWER & MAINTENANCE STRUCTURE	S	S
SEWER RISING MAIN	SRM	SRM
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN	H	H
AG DRAIN AND FLUSHER	AG	AG
MWC STORM WATER DRAIN & PIT		
MWC STORM WATER PITS		
STORM WATER 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	169.00	169.00
SURFACE CONTOUR MAJOR	168.90	168.90
SURFACE LEVEL	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW112.76	TW128.50 BW126.74
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 CHAINAGES	CH20.06	CH20.06
SETOUT POINT		A2
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.20m		
ROCK BEACHING		
RETAINING WALL		
FENCE - TREE PROTECTION		
FENCE - VEHICLE EXCLUSION		
FENCES		
GUARD RAIL		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE PROTECTED		
TREE TO BE REMOVED		
VEGETATION LINE		
FOOTPATH		
TACTILE GROUND SURFACE INDICATOR		
KERB TRANSITION		B2 SM2



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.

3	DRAWING SCHEDULE UPDATED	M.L.	05-07-19
2	GENERAL NOTES 16 & 22 UPDATED. DRAWING SCHEDULE UPDATED	M.L.	24-06-19
1	DRAWING SCHEDULE UPDATED	M.L.	05/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19
Rev	Amendments	Approved	Date



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ABN 55 050 029 635



Designed
T. WONG
Authorised
M. LETSON

Checked
R. WEINBER
Date
16/01/19

MAMBOURIN ESTATE STAGE 7 FACE SHEET

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

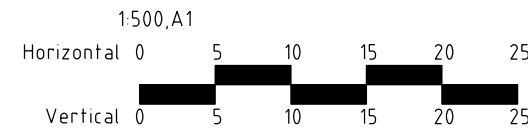
CONSTRUCTION Drg No **305172R01**

Rev **3**



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SERVICES ARE SHOWN. SPECIAL CONSIDERATION
SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES
UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Rev	Amendments	Approved	Date
2	LOT BOUNDARY OF 719 TO 720 MOVED WEST 0.9m. FSL, ESL AND CH UPDATED	M.L.	05/07/19
1	LOTS 708 TO 734 LAYOUT UPDATED. LOT NUMBERS UPDATED.	M.L.	24/06/19
0	DRAINAGE AND SEWER LAYOUT UPDATED.	M.L.	27/05/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19



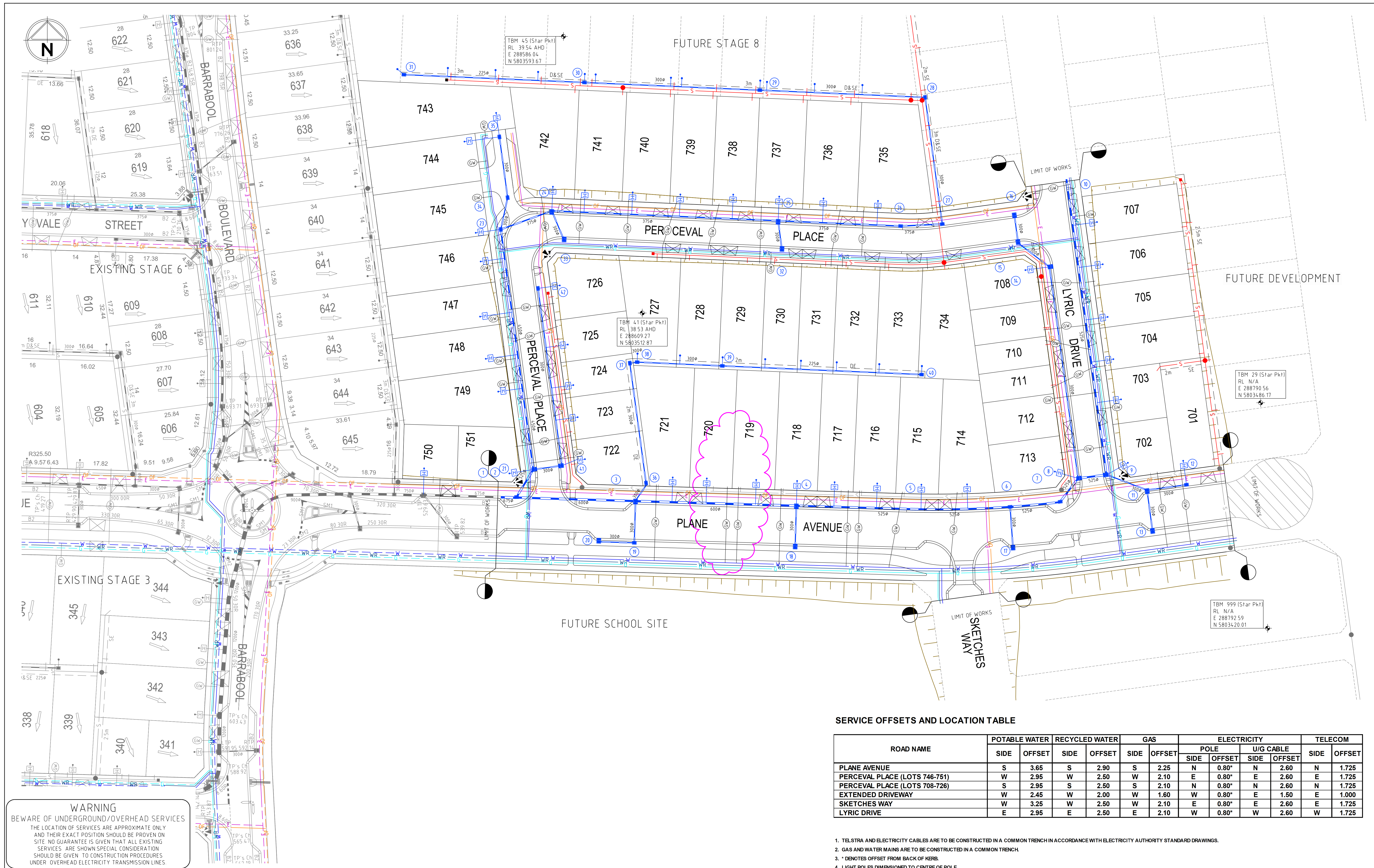
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Authorised
M. LETSON

Checked
R. WEINBER
Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
ROAD & DRAINAGE
FACE PLAN
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION Drg No 305172R02 Rev 2



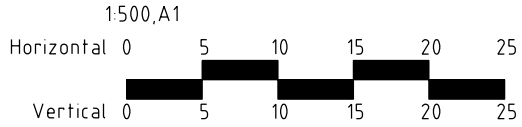
WARNING
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SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES
UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		ELECTRICITY				TELECOM	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		SIDE	OFFSET
							SIDE	OFFSET	SIDE	OFFSET		
PLANE AVENUE	S	3.65	S	2.90	S	2.25	N	0.80*	N	2.60	N	1.725
PERCEVAL PLACE (LOTS 746-751)	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.725
PERCEVAL PLACE (LOTS 708-726)	S	2.95	S	2.50	S	2.10	N	0.80*	N	2.60	N	1.725
EXTENDED DRIVEWAY	W	2.45	W	2.00	W	1.60	W	0.80*	E	1.50	E	1.000
SKETCHES WAY	W	3.25	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.725
LYRIC DRIVE	E	2.95	E	2.50	E	2.10	W	0.80*	W	2.60	W	1.725

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.

Rev	Amendments	Approved	Date
2	LOT BOUNDARY OF 719 TO 720 MOVED WEST 0.9m. GW CONDUITS UPDATED	M.L.	05/07/19
1	LOTS 708 TO 734 LAYOUT UPDATED. LOT NUMBERS UPDATED. DRAINAGE AND SEWER LAYOUT UPDATED. SERVICE OFFSET TABLE UPDATED.	M.L.	24/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19



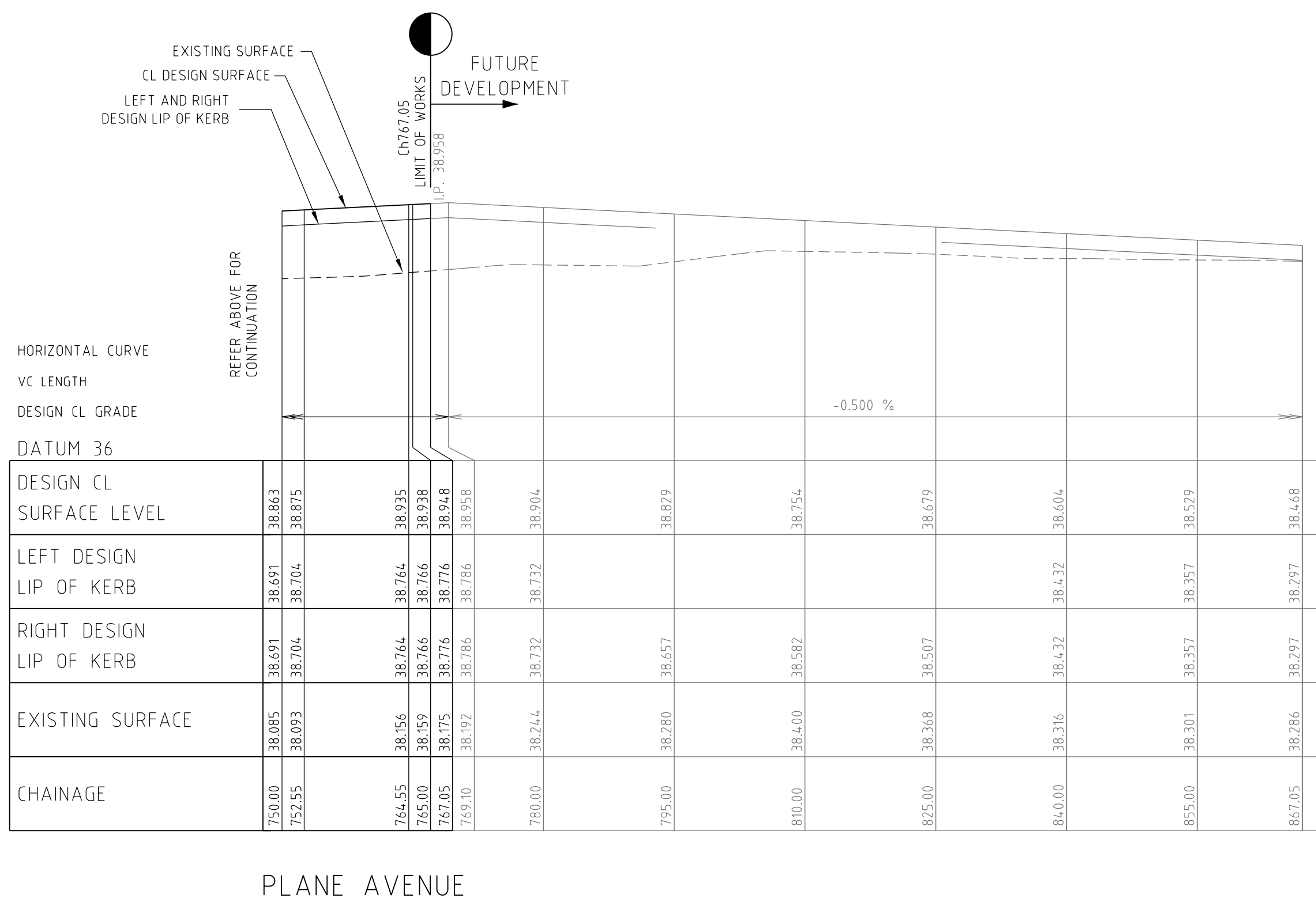
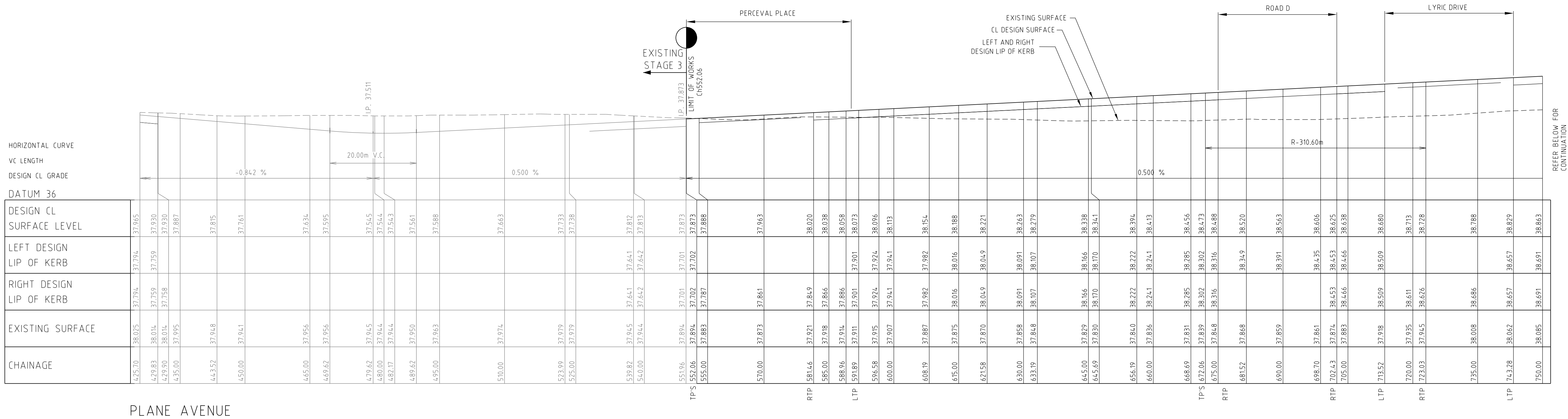
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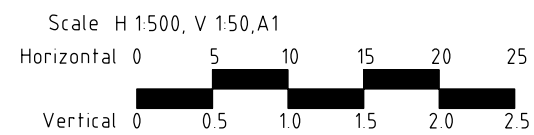
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M. LETSON

Checked
R. WEINBER
Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
ROAD & DRAINAGE
SERVICES PLAN
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION Drg No 305172R03 Rev 2



1	PLANE AVENUE CHAINAGE UPRIGHTS LOT BOURNDARIES UPDATED.	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date





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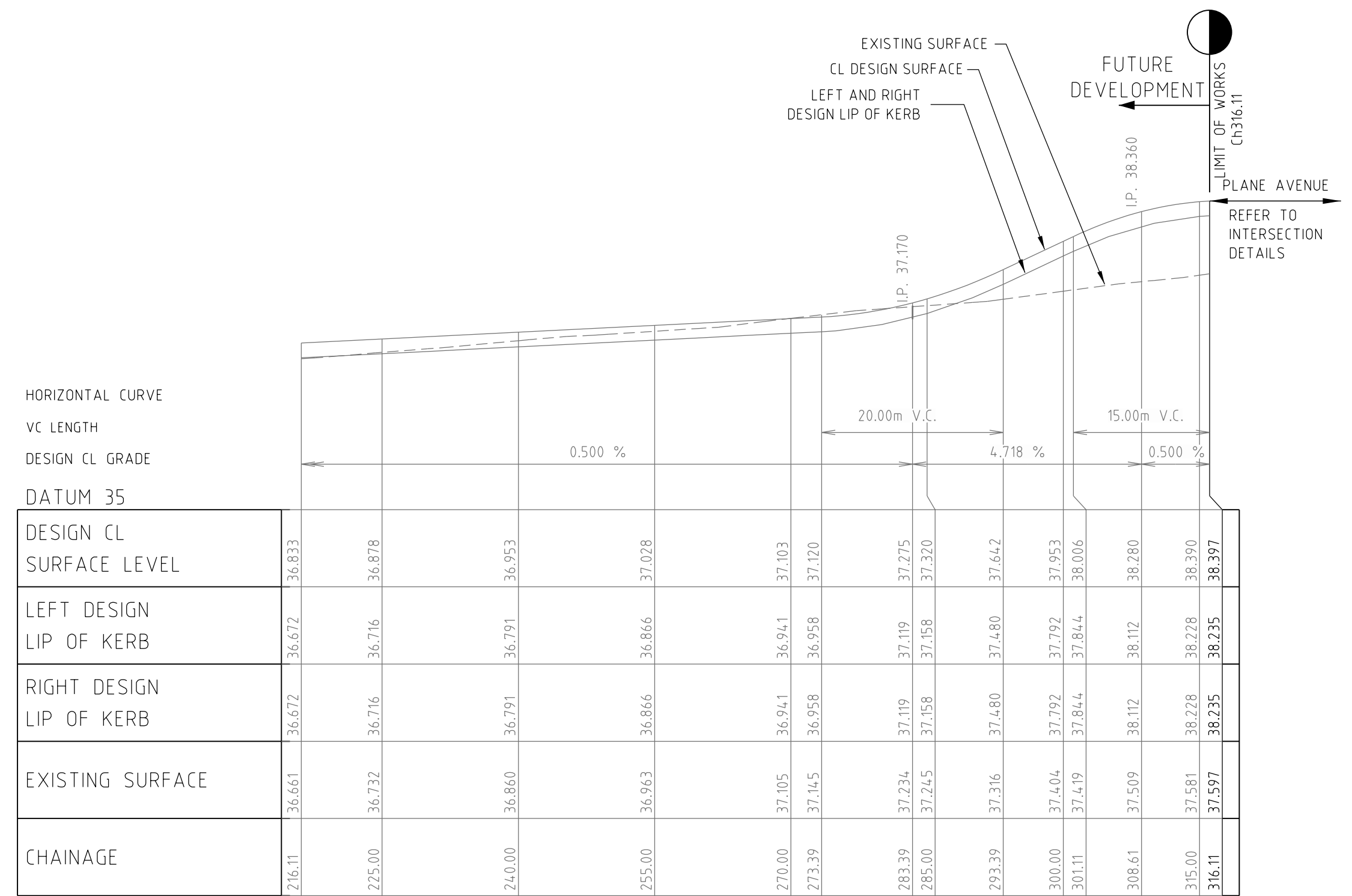
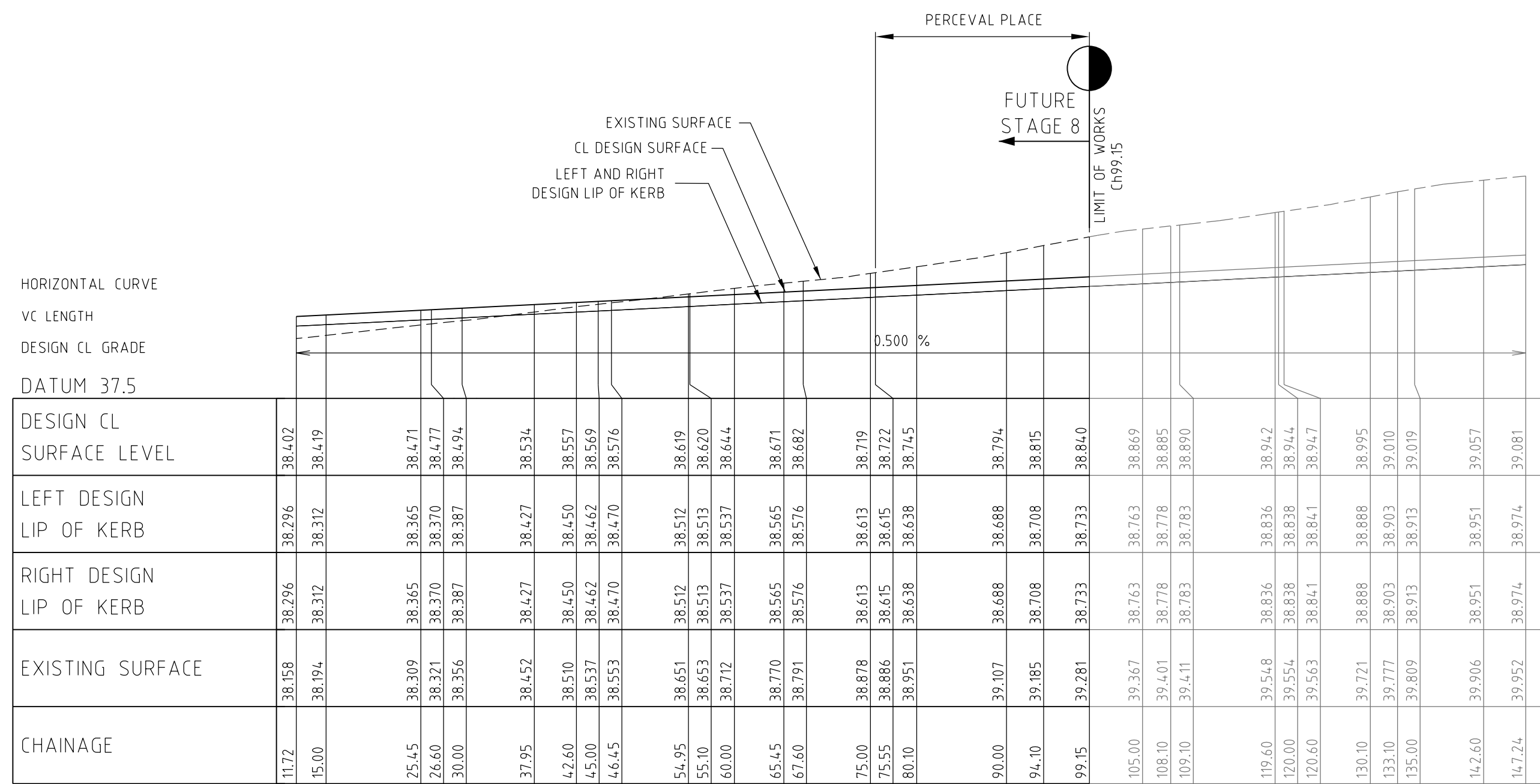
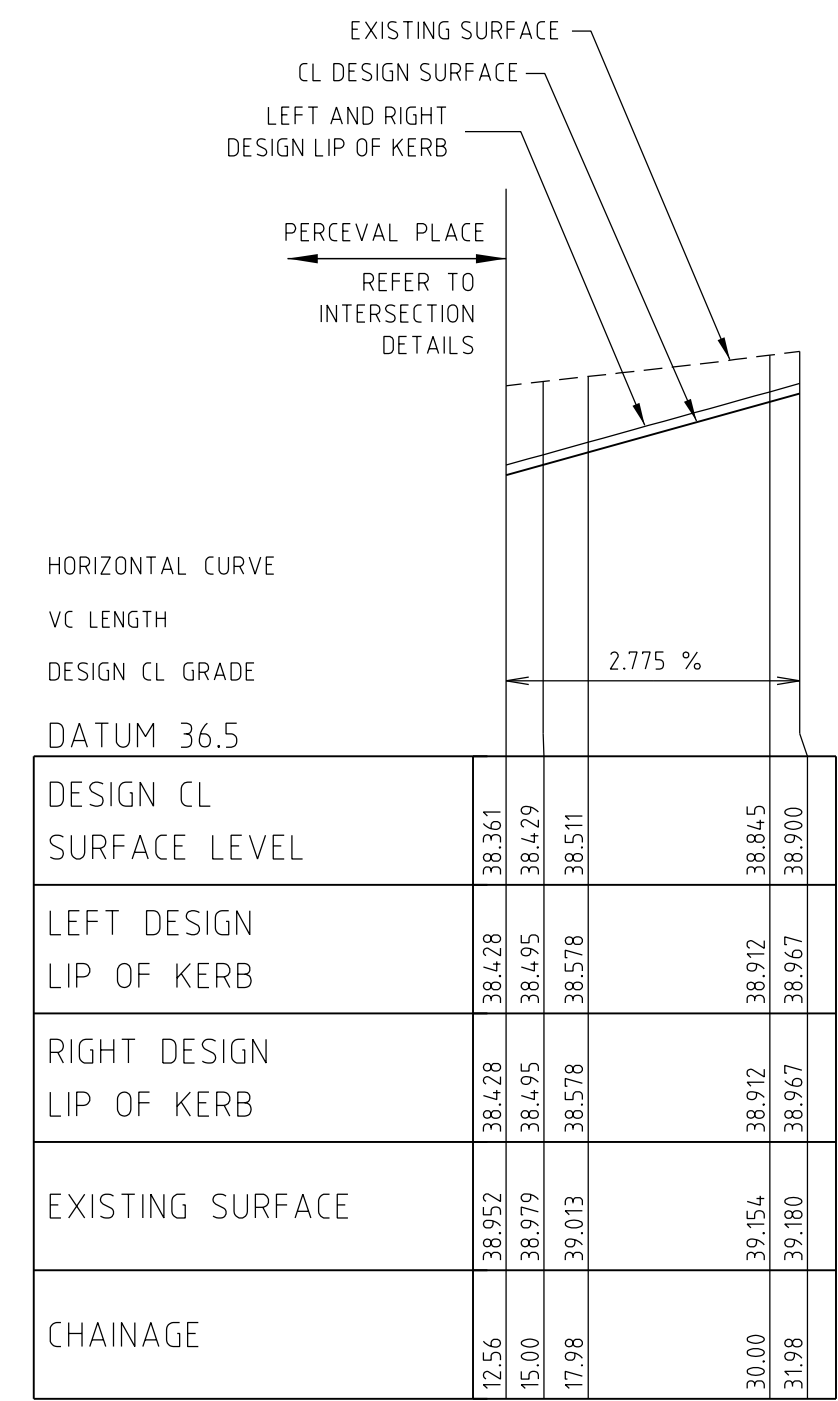
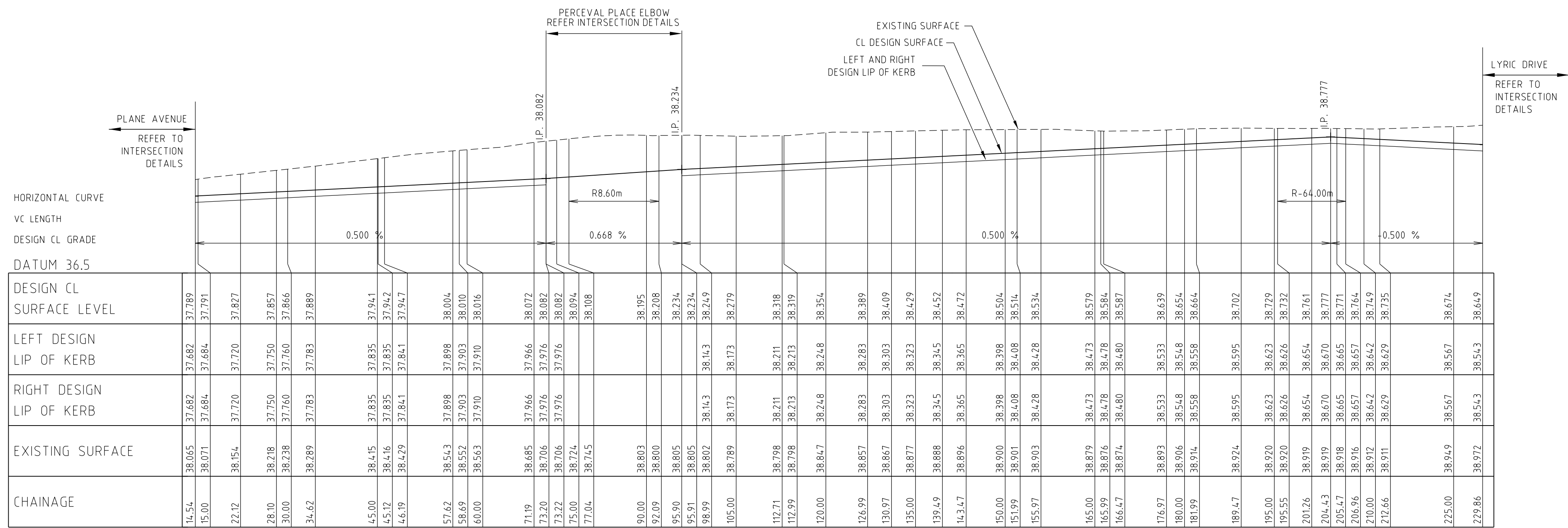
Date
16/01/19

**MAMBOURIN ESTATE
STAGE 7
LONGITUDINAL SECTION - PLANE AVENUE**

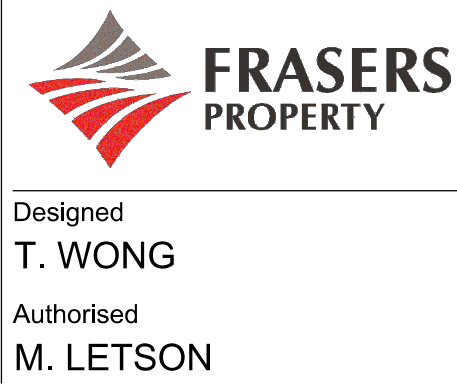
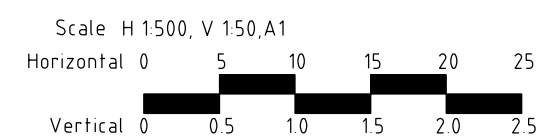
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305172R04**

Rev **1**



Rev	Amendments	Approved	Date
1	ROAD D UPDATED TO SKETCHES WAY. PERCEVAL PLACE CHAINAGES UPDATED.	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19



Checked
R. WEINBER

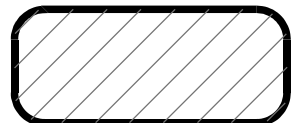
Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
LONGITUDINAL SECTION - PERCEVAL PLACE,
LYRIC DRIVE & SKETCHES WAY LONG DRIVEWAY

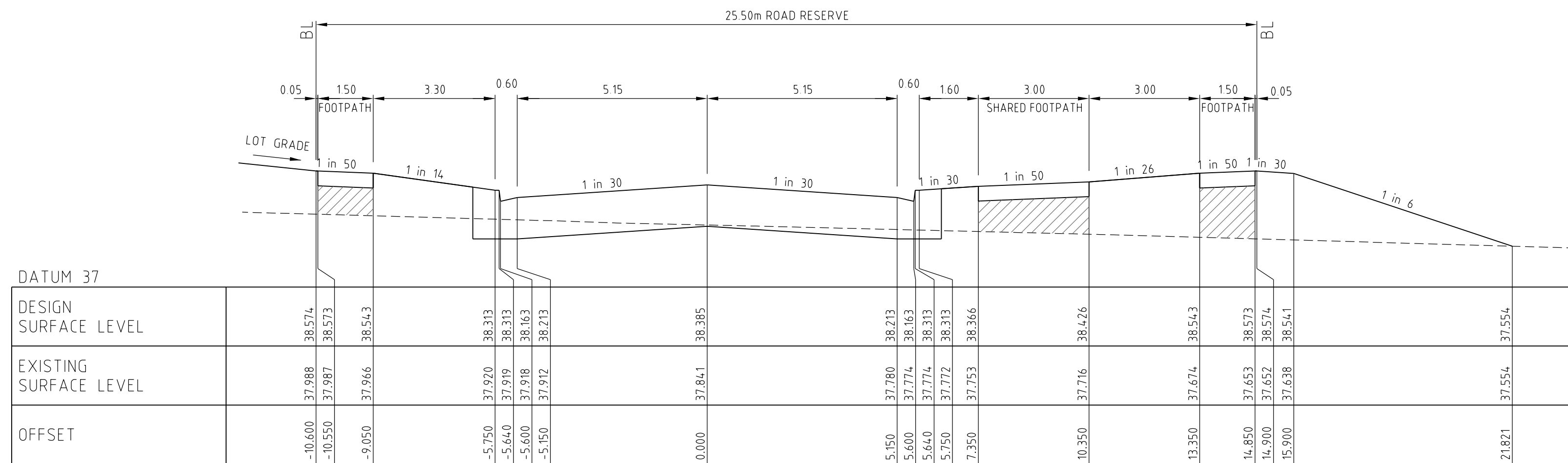
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CITY OF WYNDHAM

CONSTRUCTION Drg No
305172R05

Rev
1

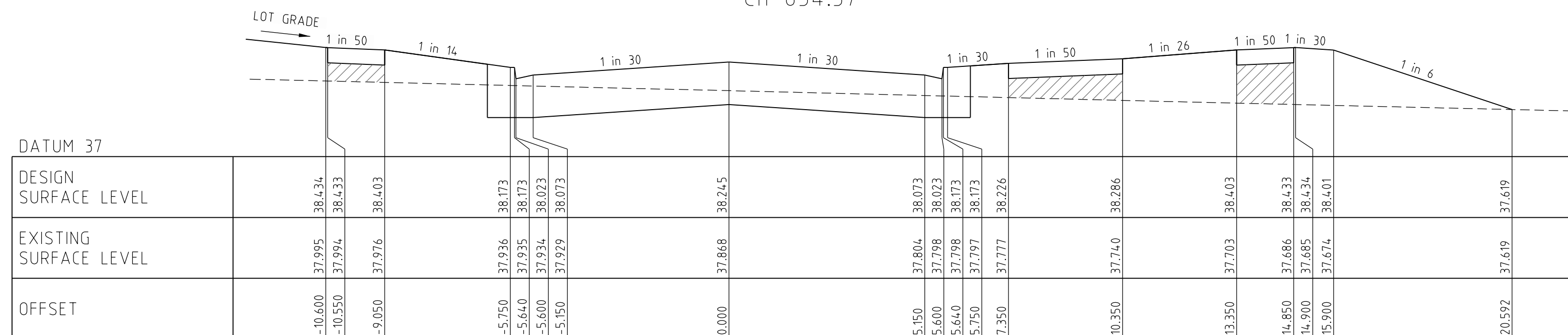


STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



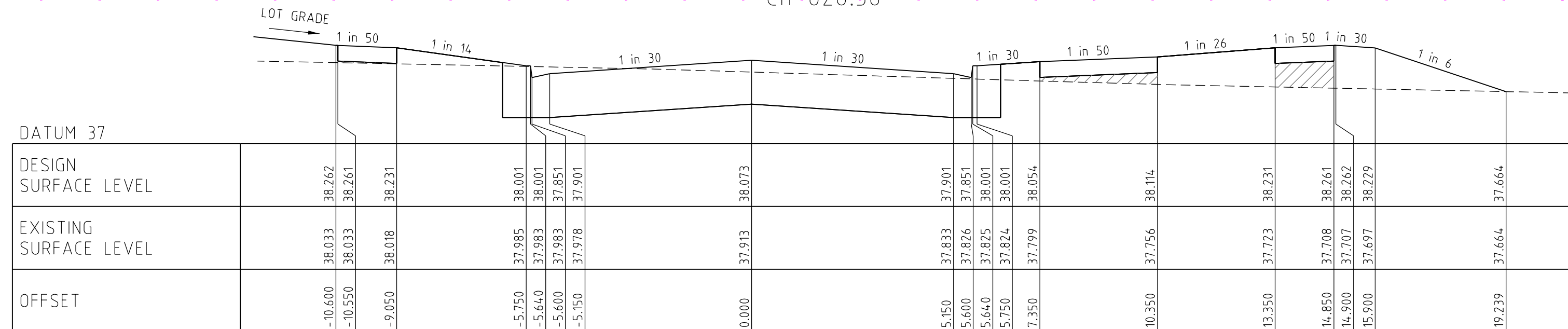
PLANE AVENUE

Ch 654.37



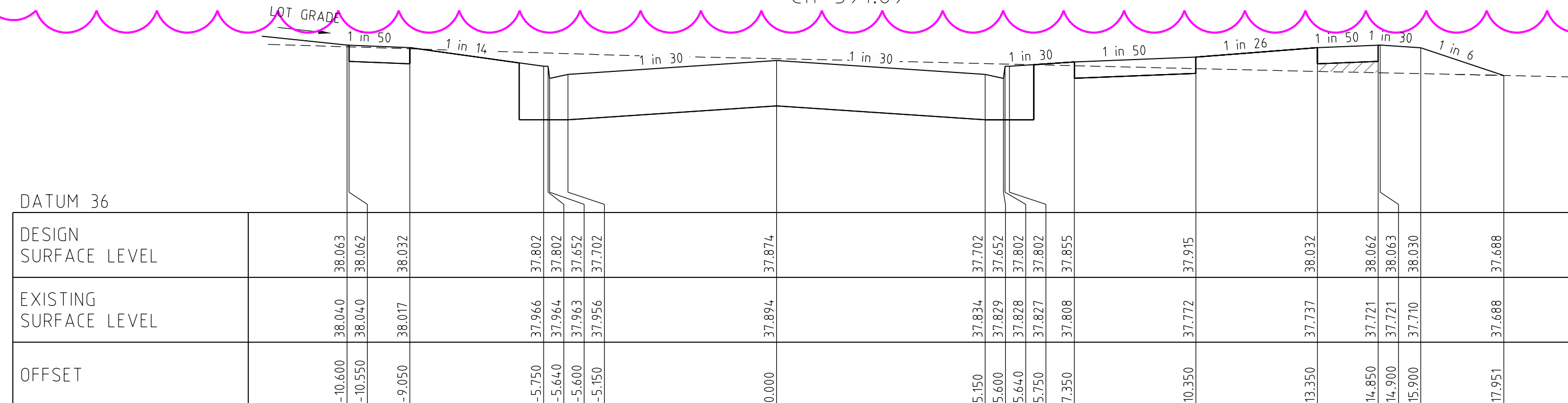
PLANE AVENUE

Ch 626.36



PLANE AVENUE

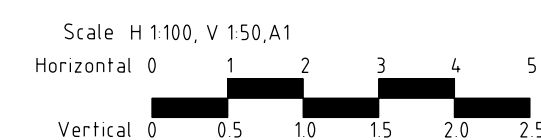
Ch 591.89



PLANE AVENUE

Ch 552.06

1	PLANE AVENUE CROSS SECTION CH591.89 ADDED	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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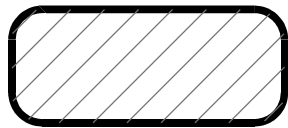
Designed
T. WONG
Authorised
M. LETSON

Checked
R. WEINBER
Date
16/01/19

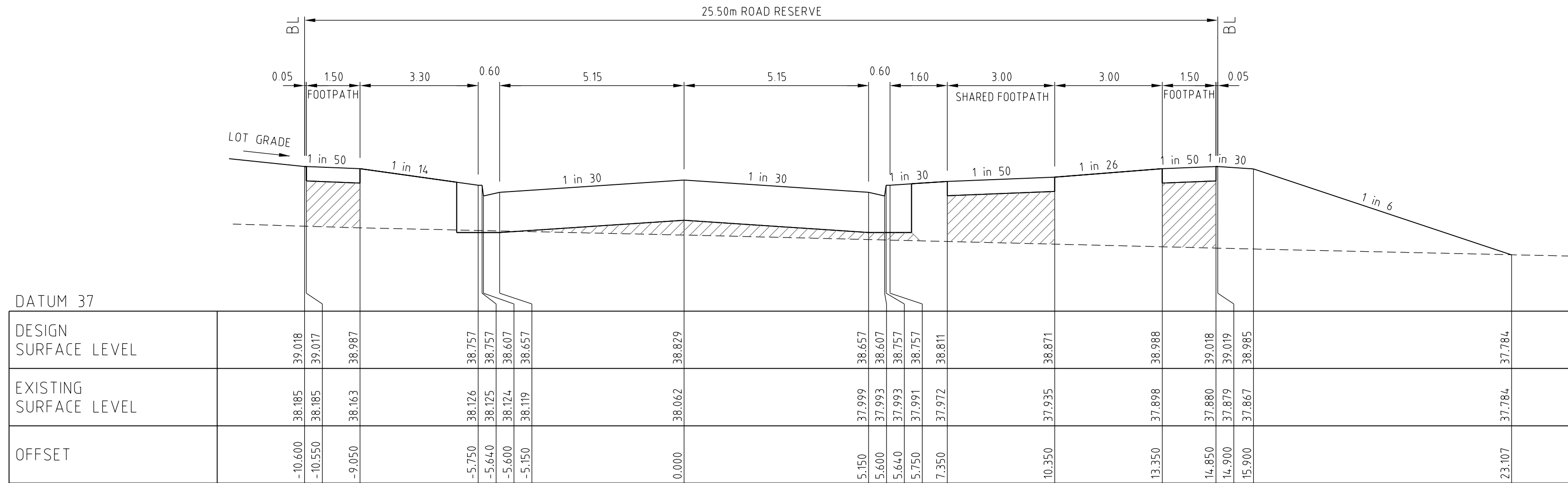
**MAMBOURIN ESTATE
STAGE 7
CROSS SECTIONS - PLANE AVENUE**

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

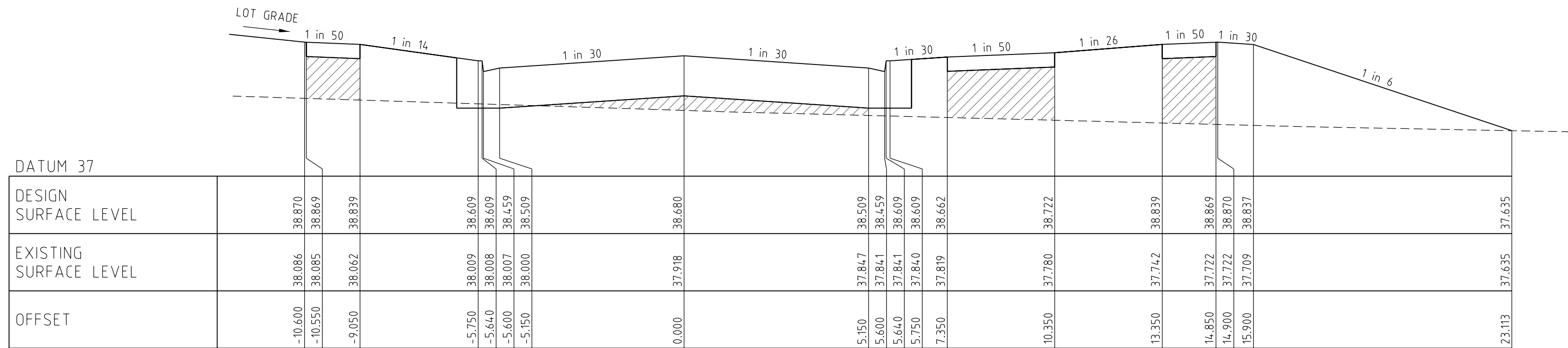
CONSTRUCTION Drg No 305172R06 Rev 1



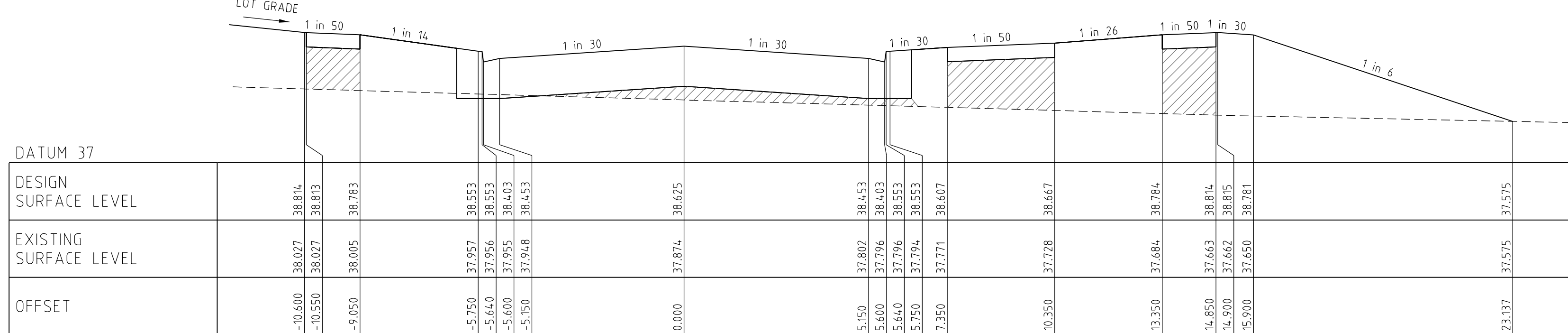
STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



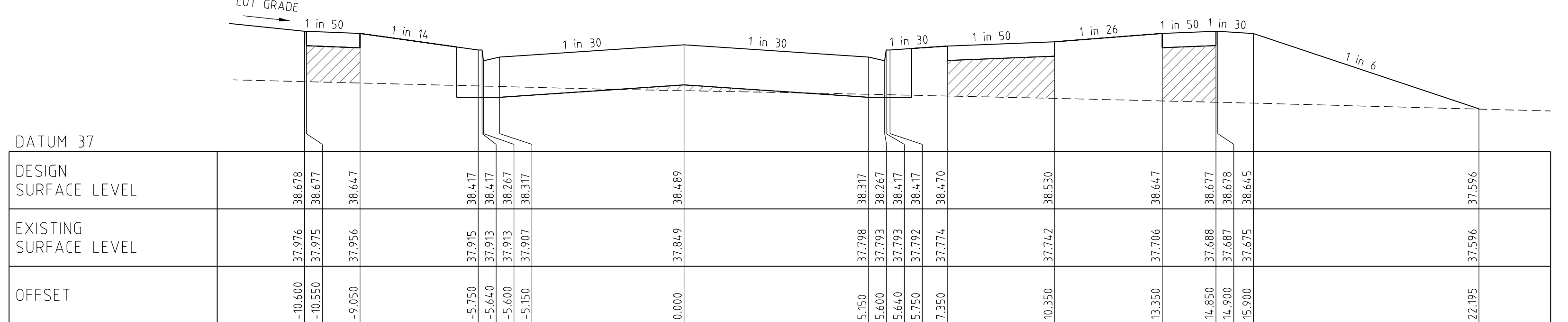
PLANE AVENUE Ch 743.28



PLANE AVENUE Ch 713.52

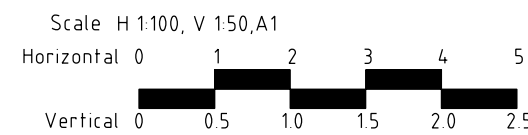


PLANE AVENUE Ch 702.43



PLANE AVENUE Ch 675.17

0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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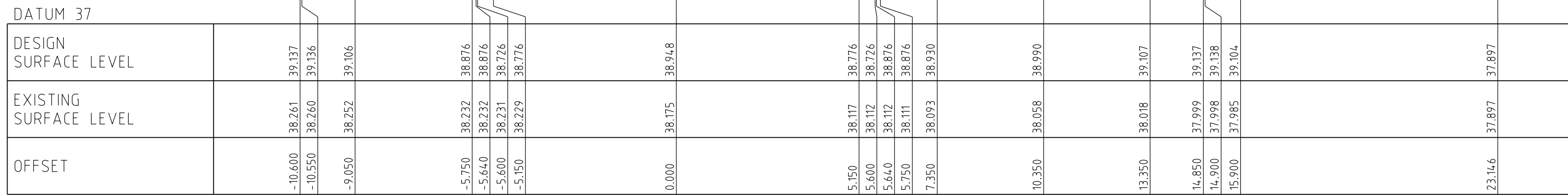
MAMBOURIN ESTATE
STAGE 7
CROSS SECTIONS - PLANE AVENUE
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No 305172R07

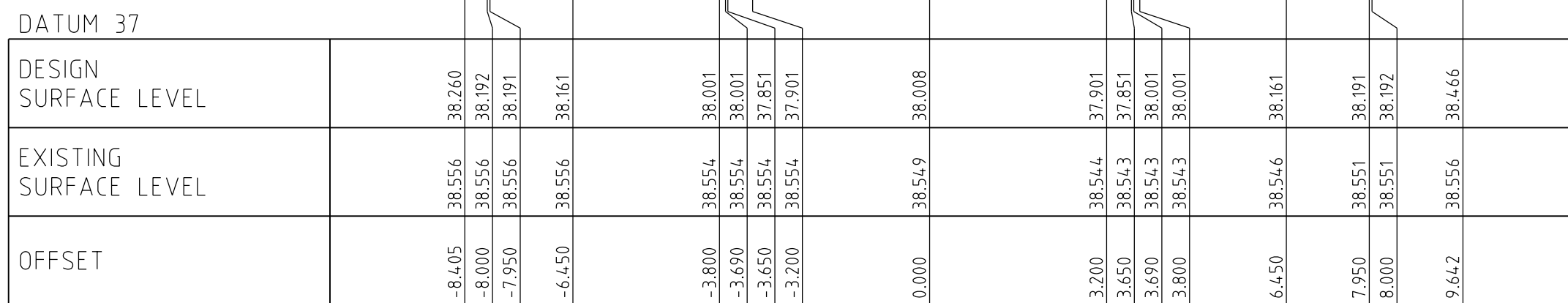
Rev 0



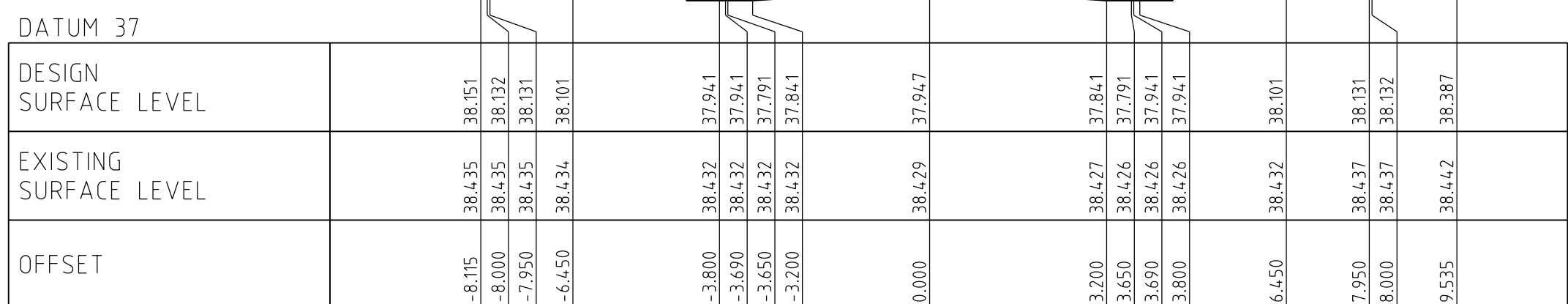
STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



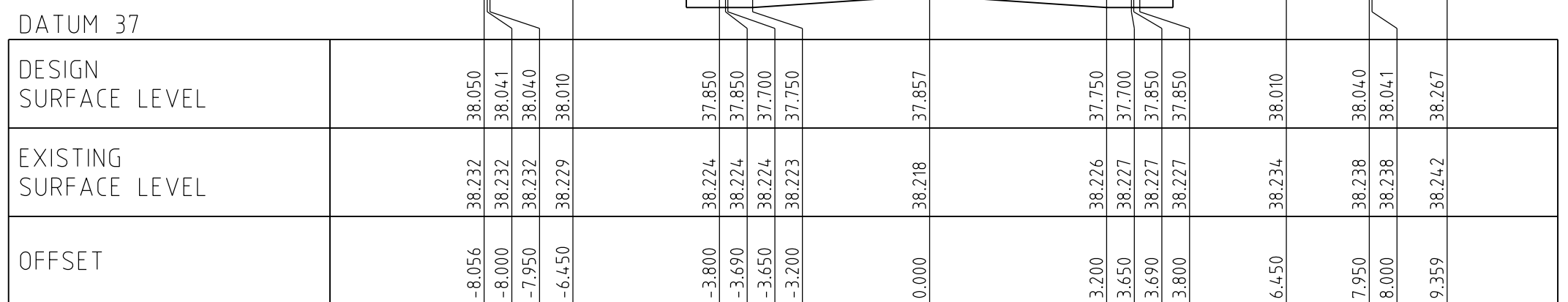
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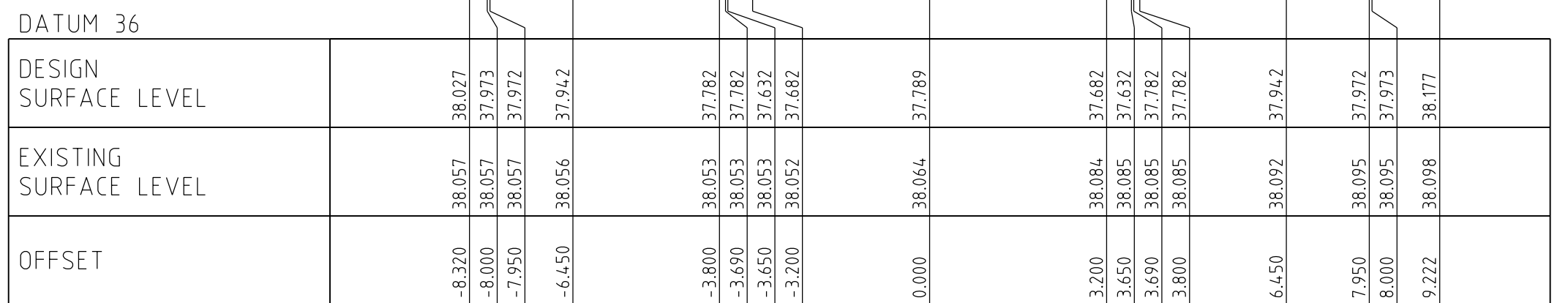
Ch 58.36



Ch 46.19

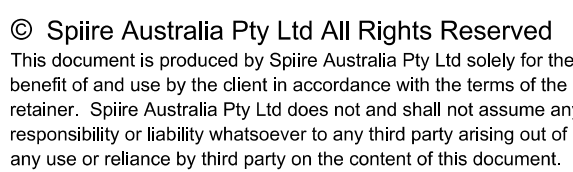
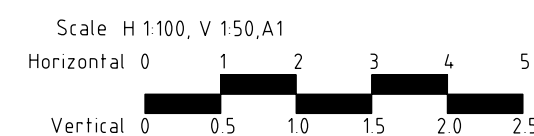


Ch 28.10

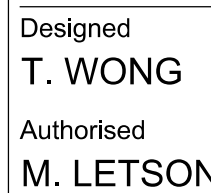


Ch 14.54

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FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305172R08**

Rev



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IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



Ch 126.99



Ch 112.99



Ch 95.91



Ch 73.20



Ch 188.63



Ch 176.13

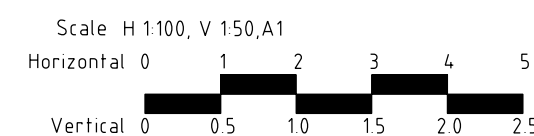


Ch 151.99



Ch 138.63

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M. LETSON

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16/01/19

MAMBOURIN ESTATE
STAGE 7
CROSS SECTIONS - PERCEVAL PLACE

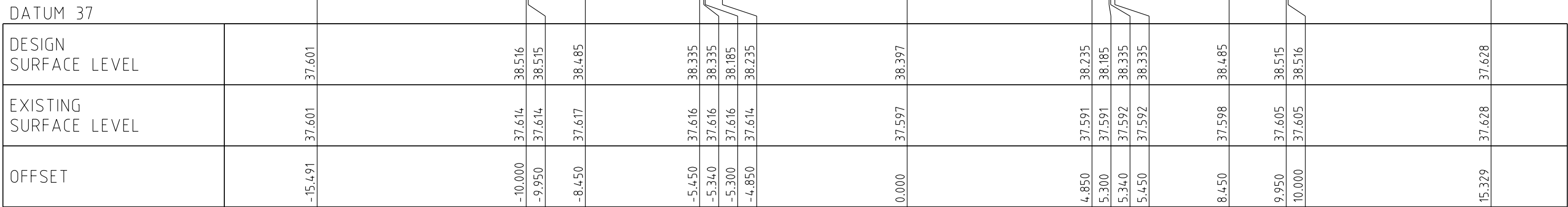
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305172R09**

Rev

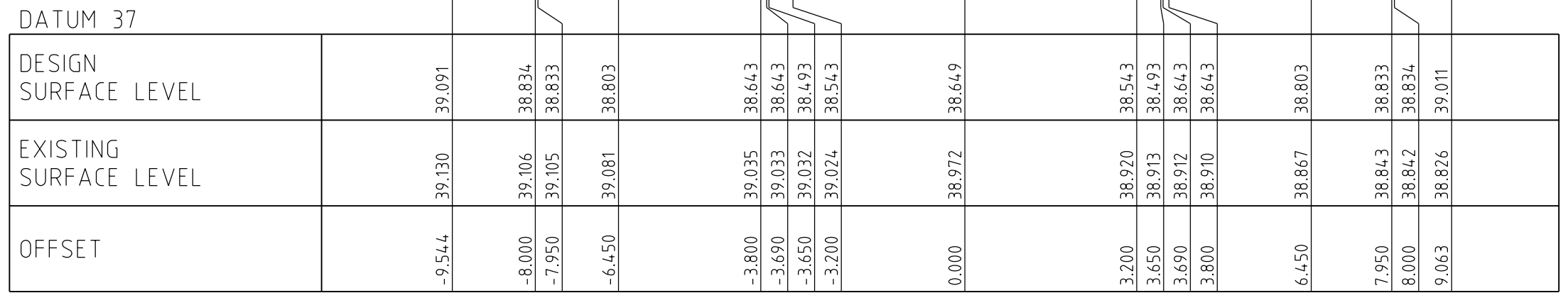


STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



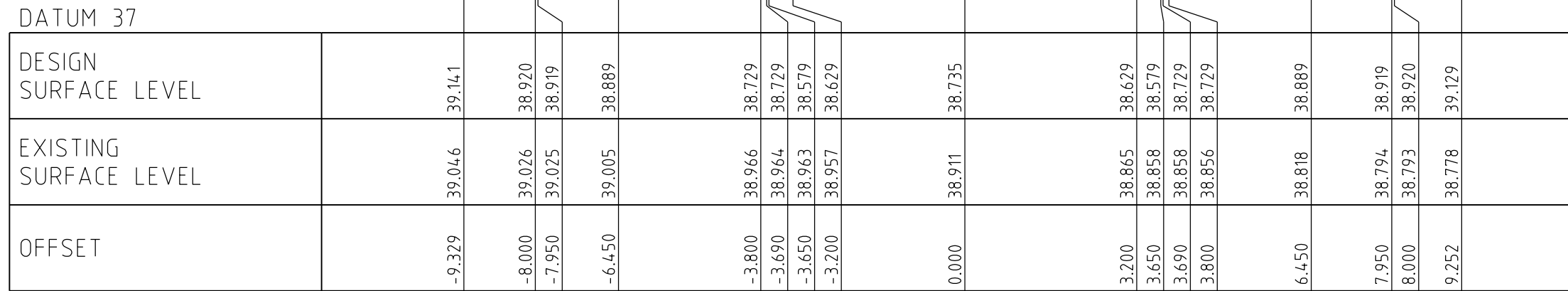
SKETCHES WAY

Ch 316.11



PERCEVAL PLACE

Ch 229.86



PERCEVAL PLACE

Ch 212.66



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16/01/19

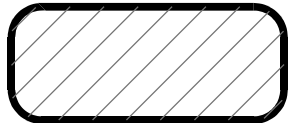
Ch 11.72

MAMBOURIN ESTATE
STAGE 7
CROSS SECTIONS - PERCEVAL PLACE, SKETCHES WAY
& LYRIC DRIVE

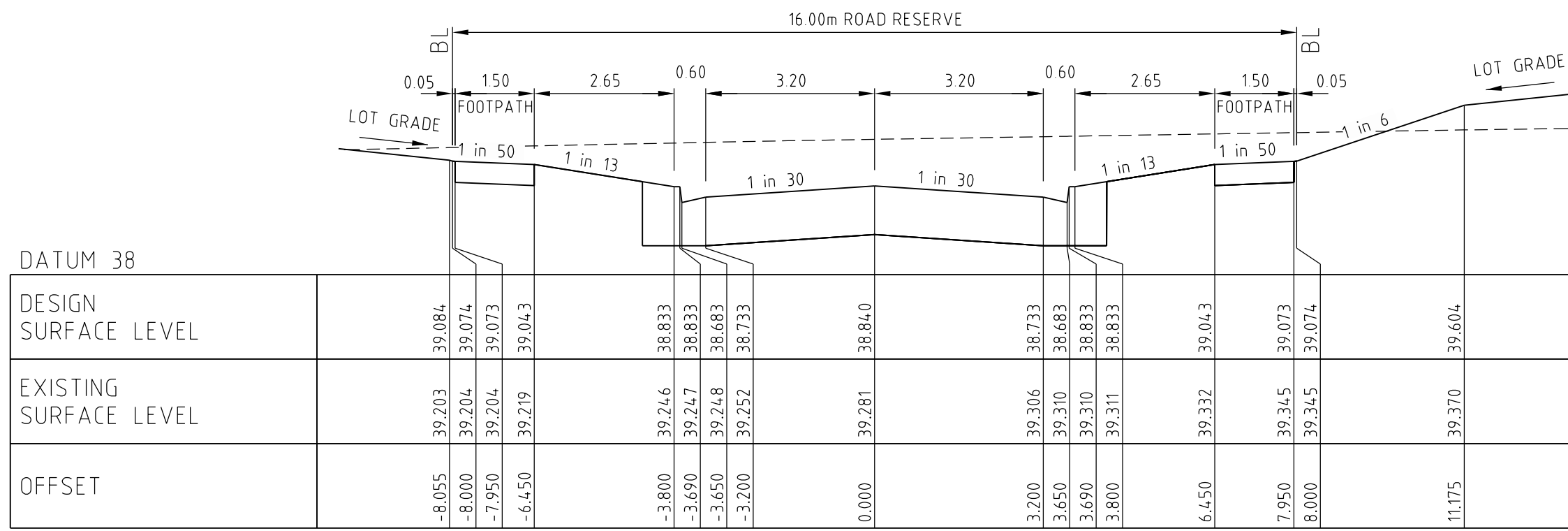
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305172R10**

Rev

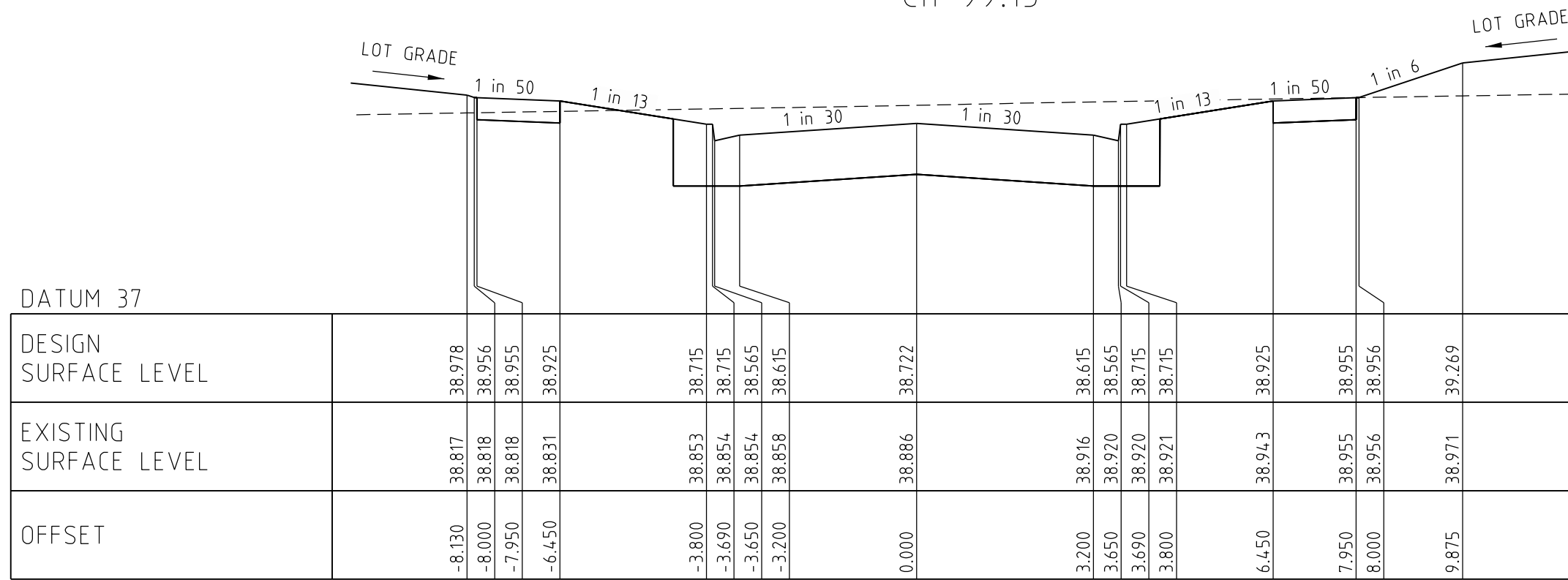


STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1



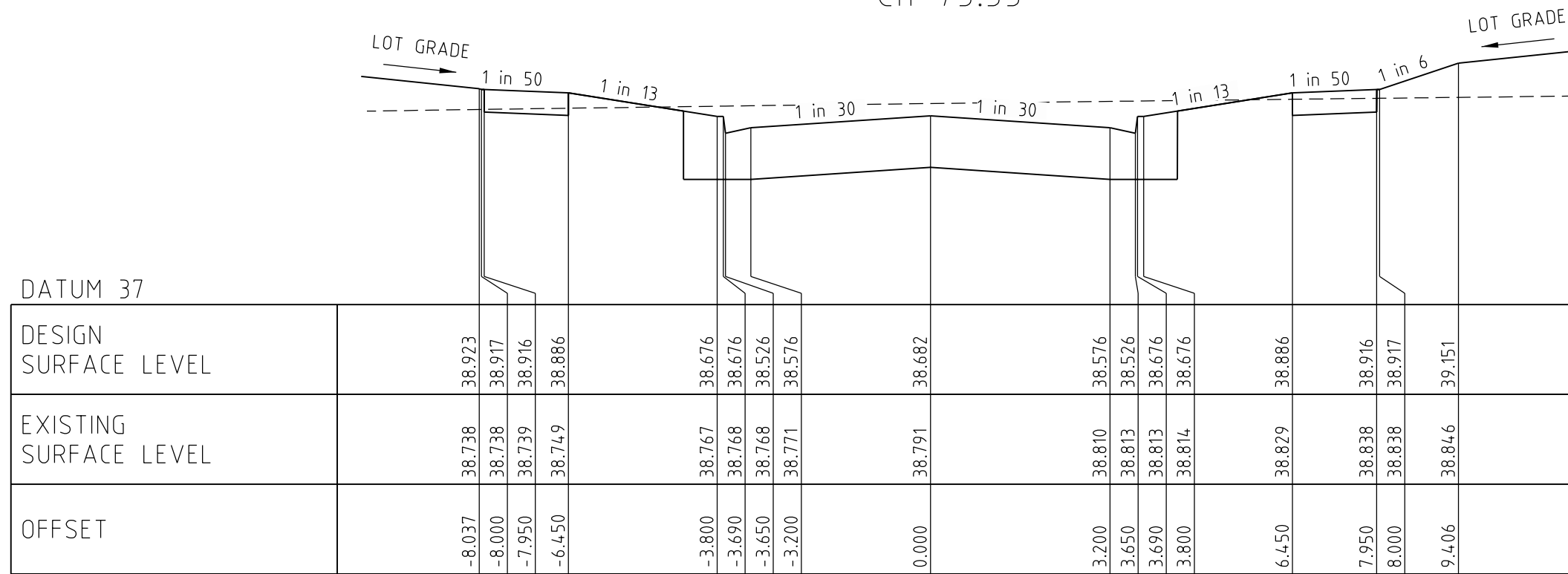
LYRIC DRIVE

Ch 99.15



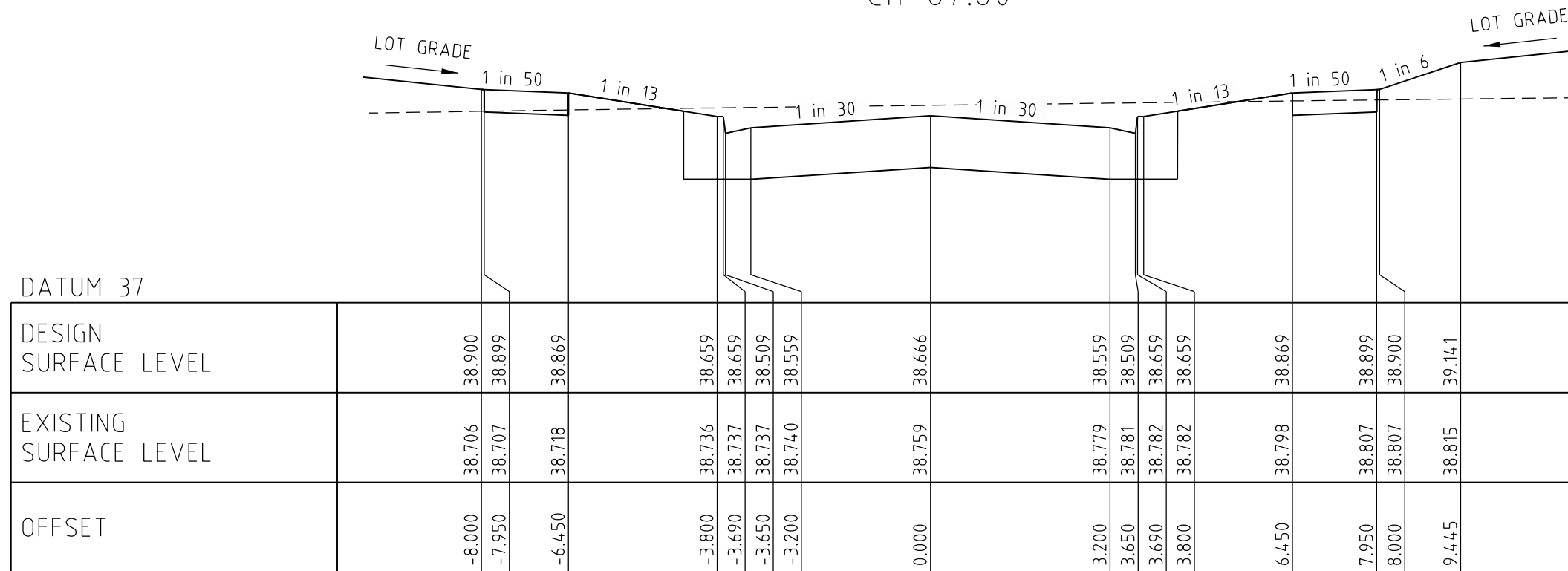
LYRIC DRIVE

Ch 75.55



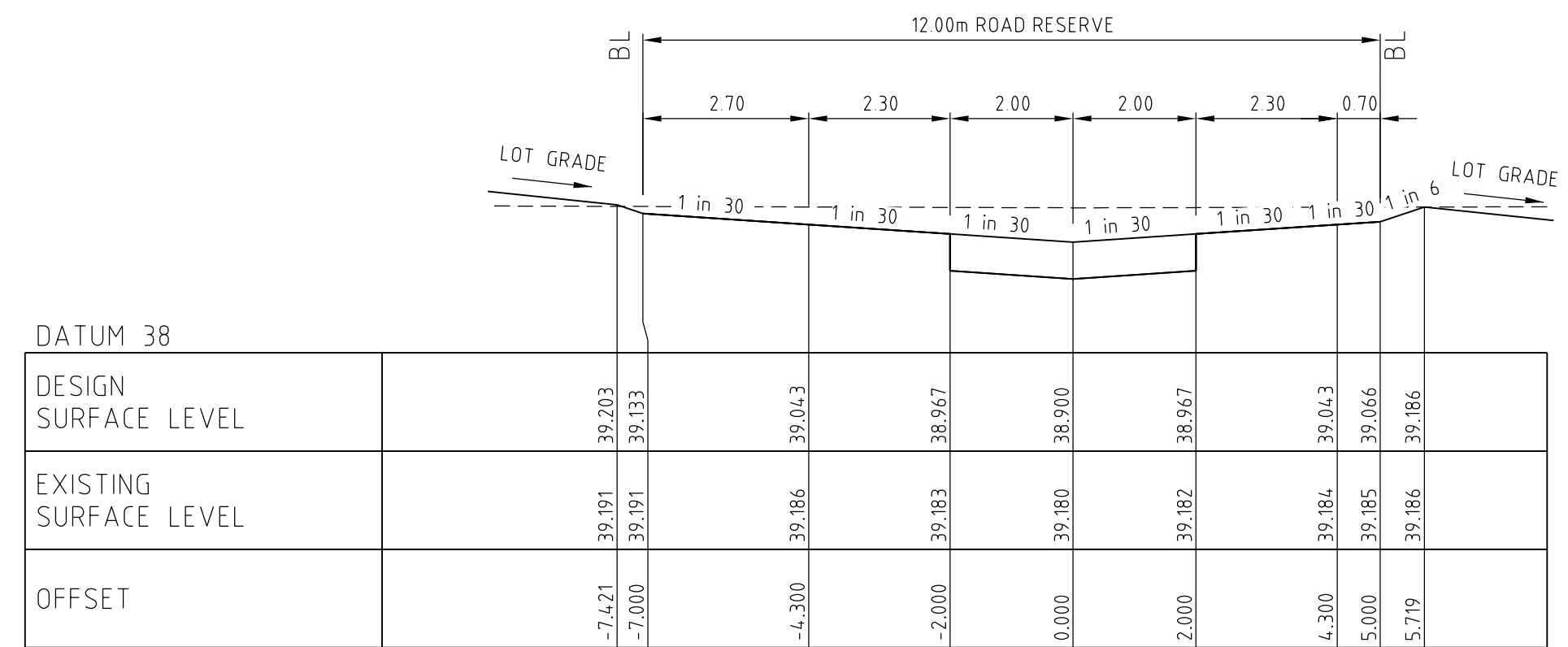
LYRIC DRIVE

Ch 67.60



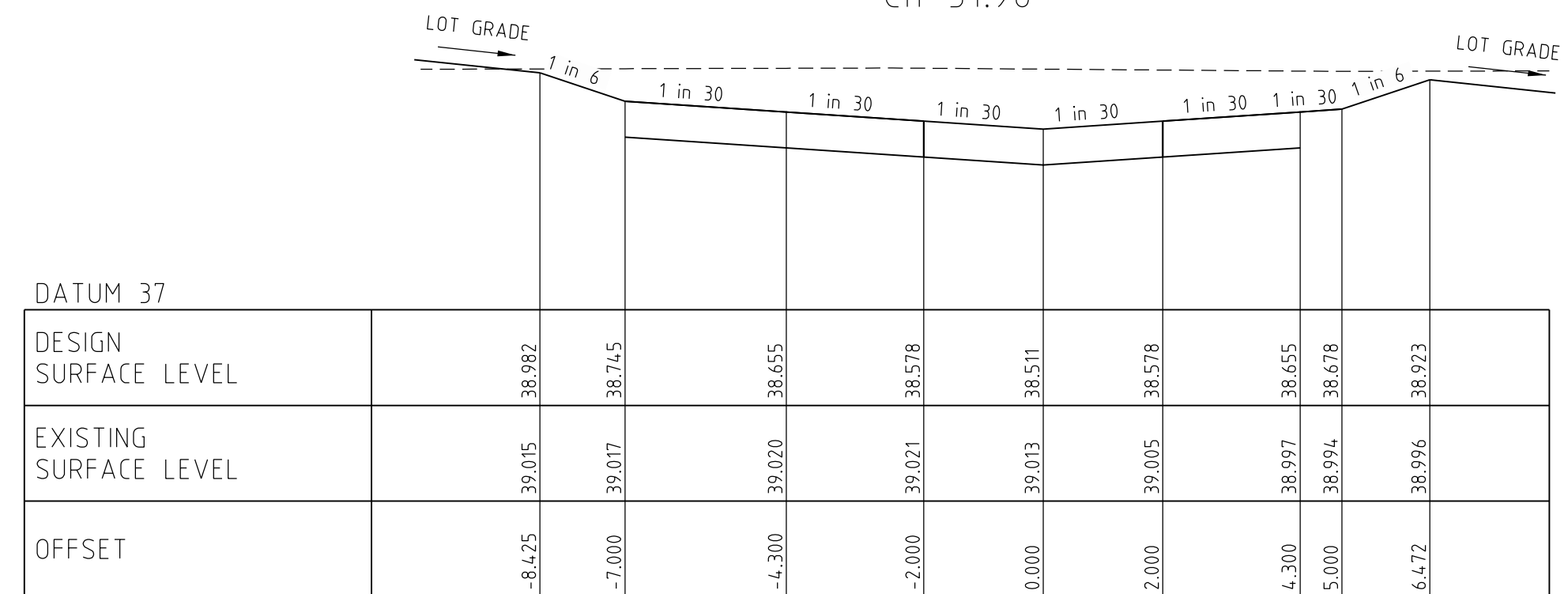
LYRIC DRIVE

Ch 64.35



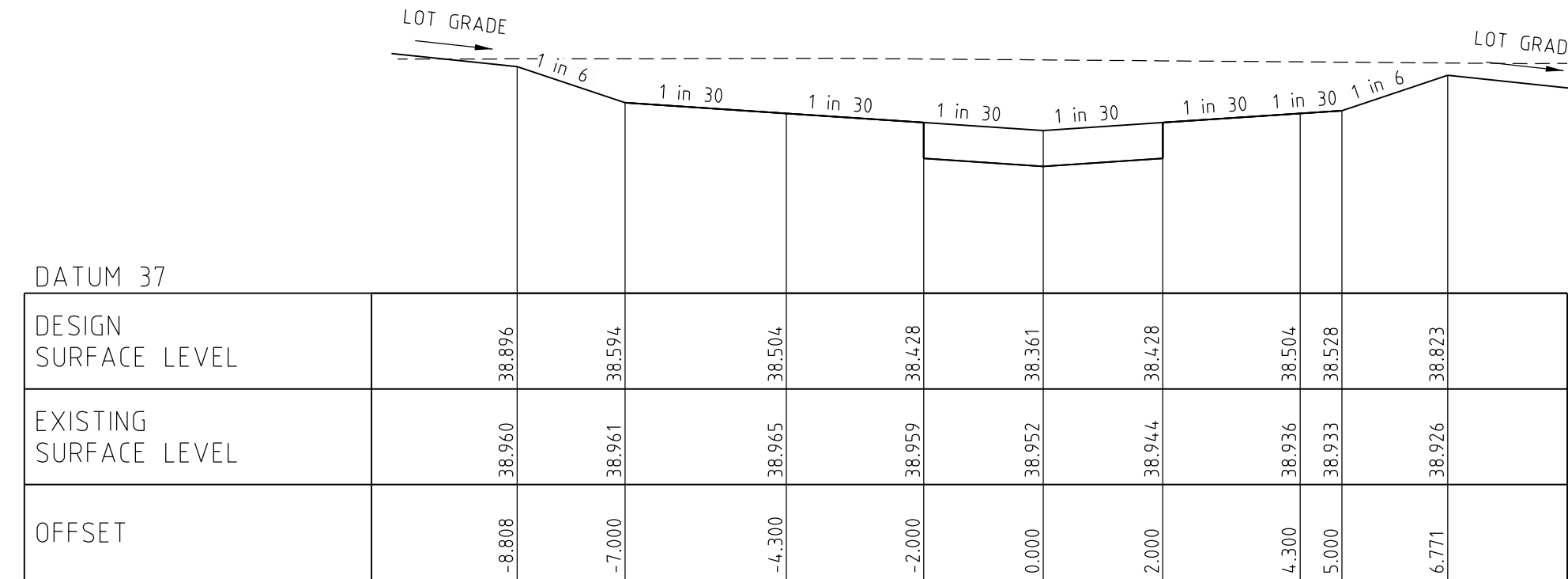
LONG DRIVEWAY

Ch 31.98



LONG DRIVEWAY

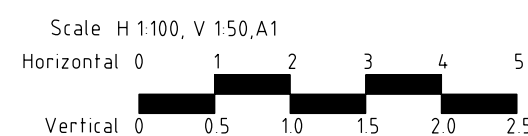
Ch 17.98



LONG DRIVEWAY

Ch 12.56

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Rev	Amendments	Approved	Date

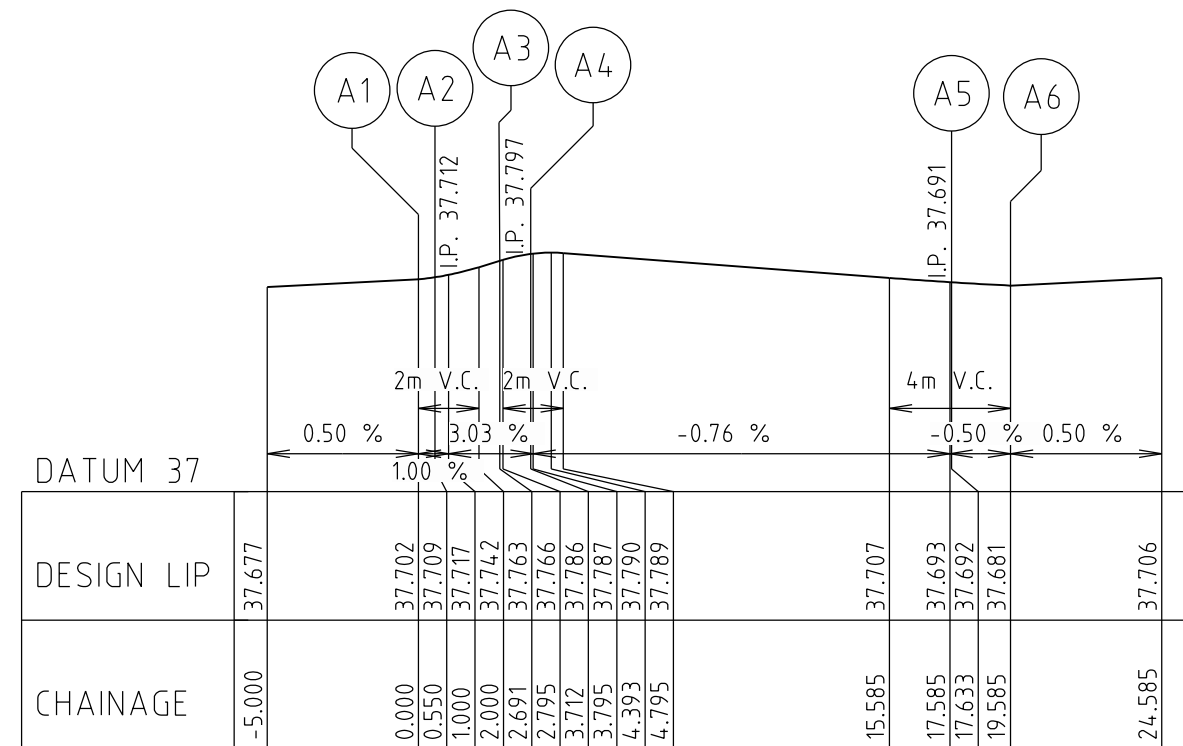
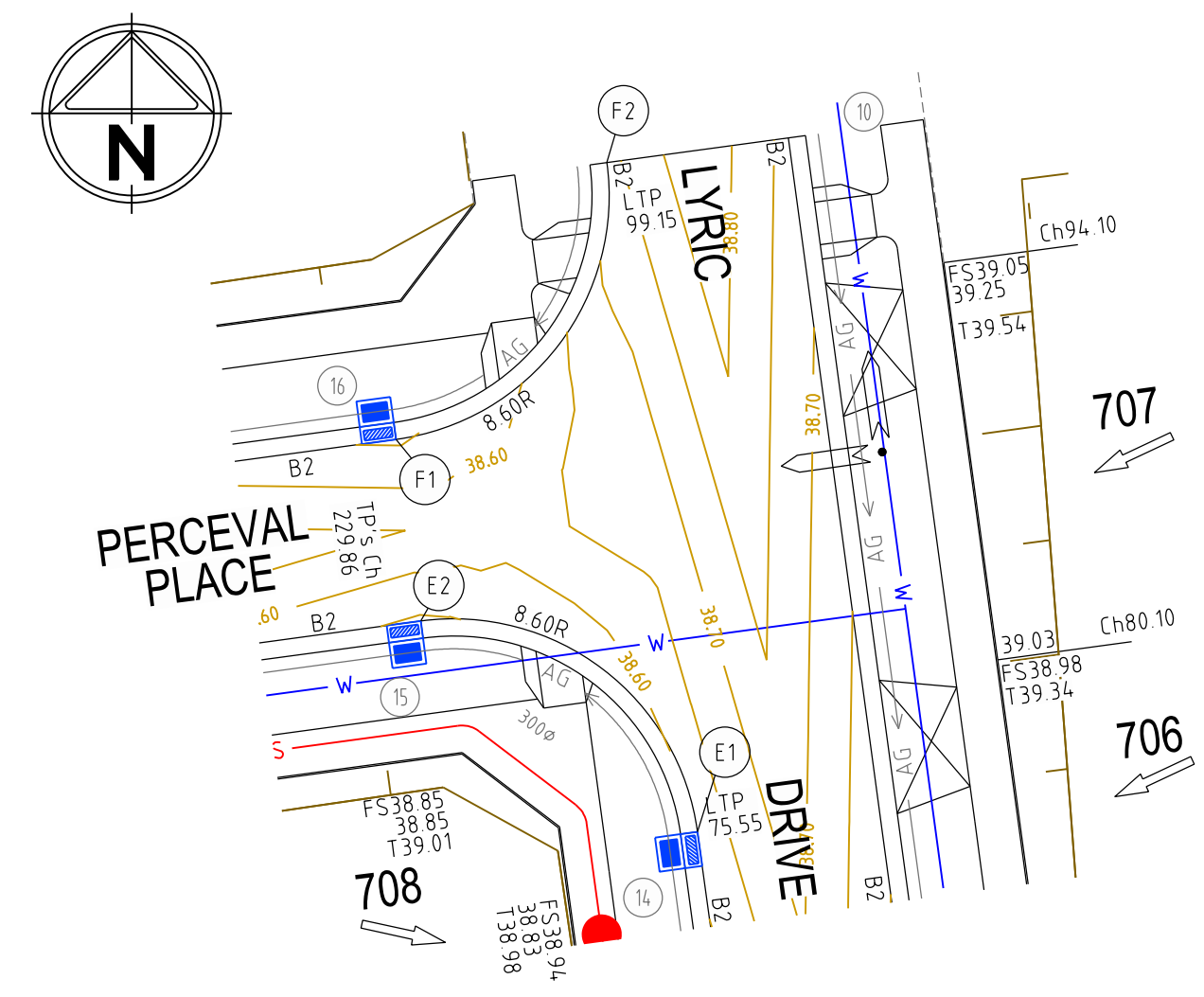
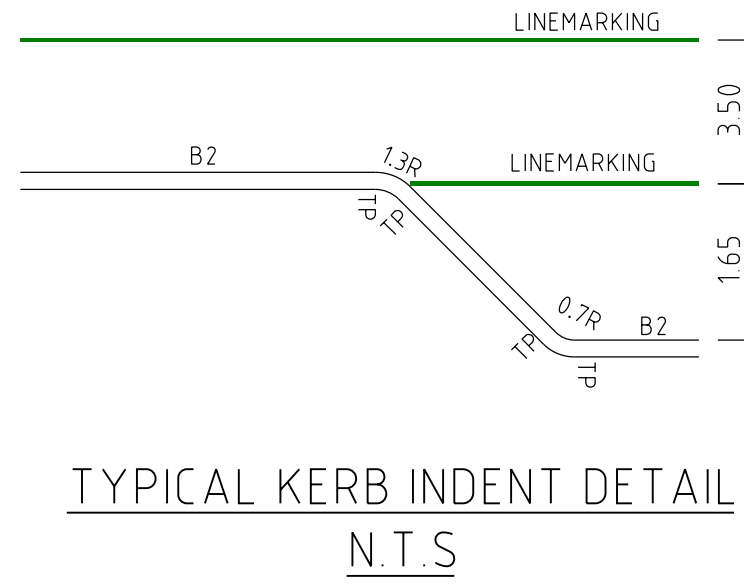
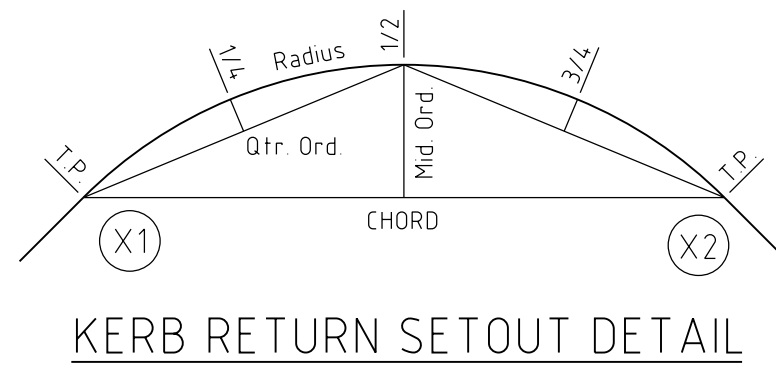
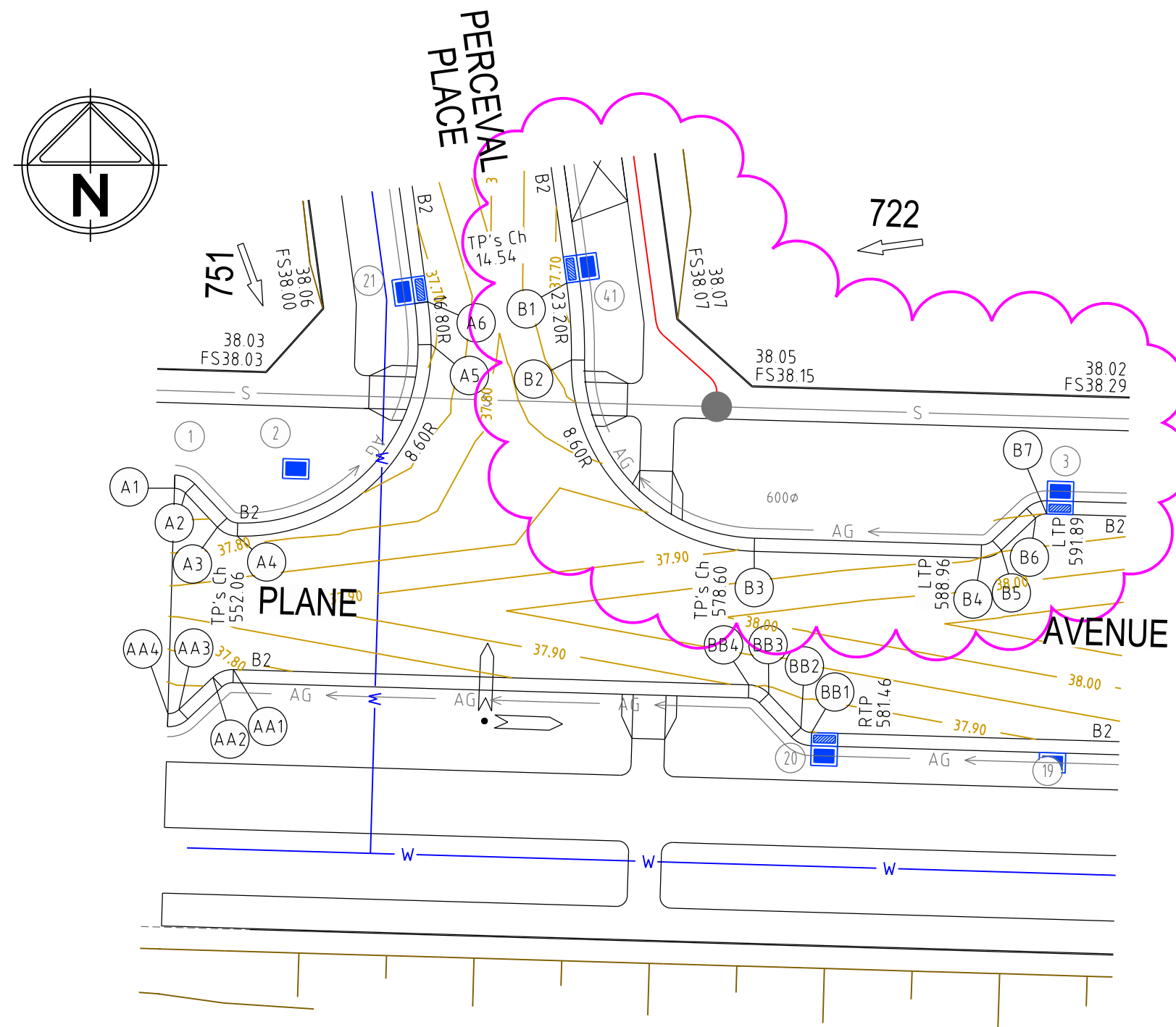


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Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
CROSS SECTIONS - LYRIC DRIVE
& LONG DRIVE
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No
305172R11

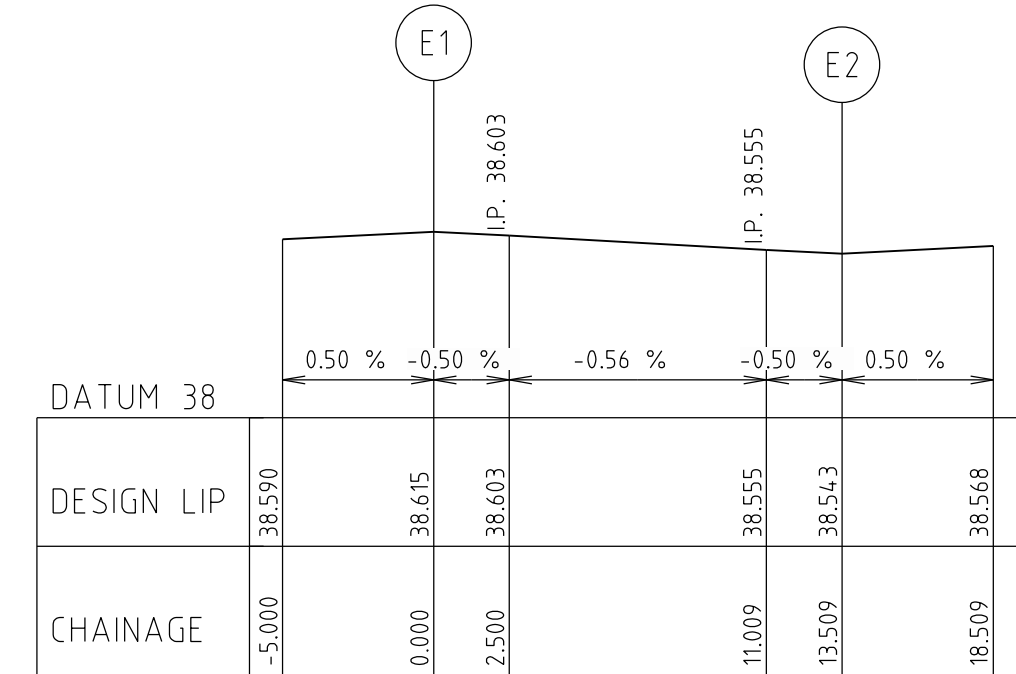
Rev
0



ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	288566.756	5803457.615	37.702
1/4	288566.892	5803457.597	37.703
1/2	288567.022	5803457.553	37.705
3/4	288567.141	5803457.485	37.707
A2	288567.244	5803457.395	37.709
A3	288568.713	5803455.837	37.763
1/4	288568.905	5803455.669	37.771
1/2	288569.127	5803455.543	37.777
3/4	288569.368	5803455.462	37.782
A4	288569.621	5803455.429	37.786
1/4	288573.026	5803456.024	37.771
1/2	288575.922	5803457.911	37.744
3/4	288577.841	5803460.786	37.717
A5	288578.473	5803464.184	37.692
1/4	288578.457	5803464.672	37.689
1/2	288578.427	5803465.159	37.686
3/4	288578.382	5803465.645	37.684
A6	288578.324	5803466.129	37.681

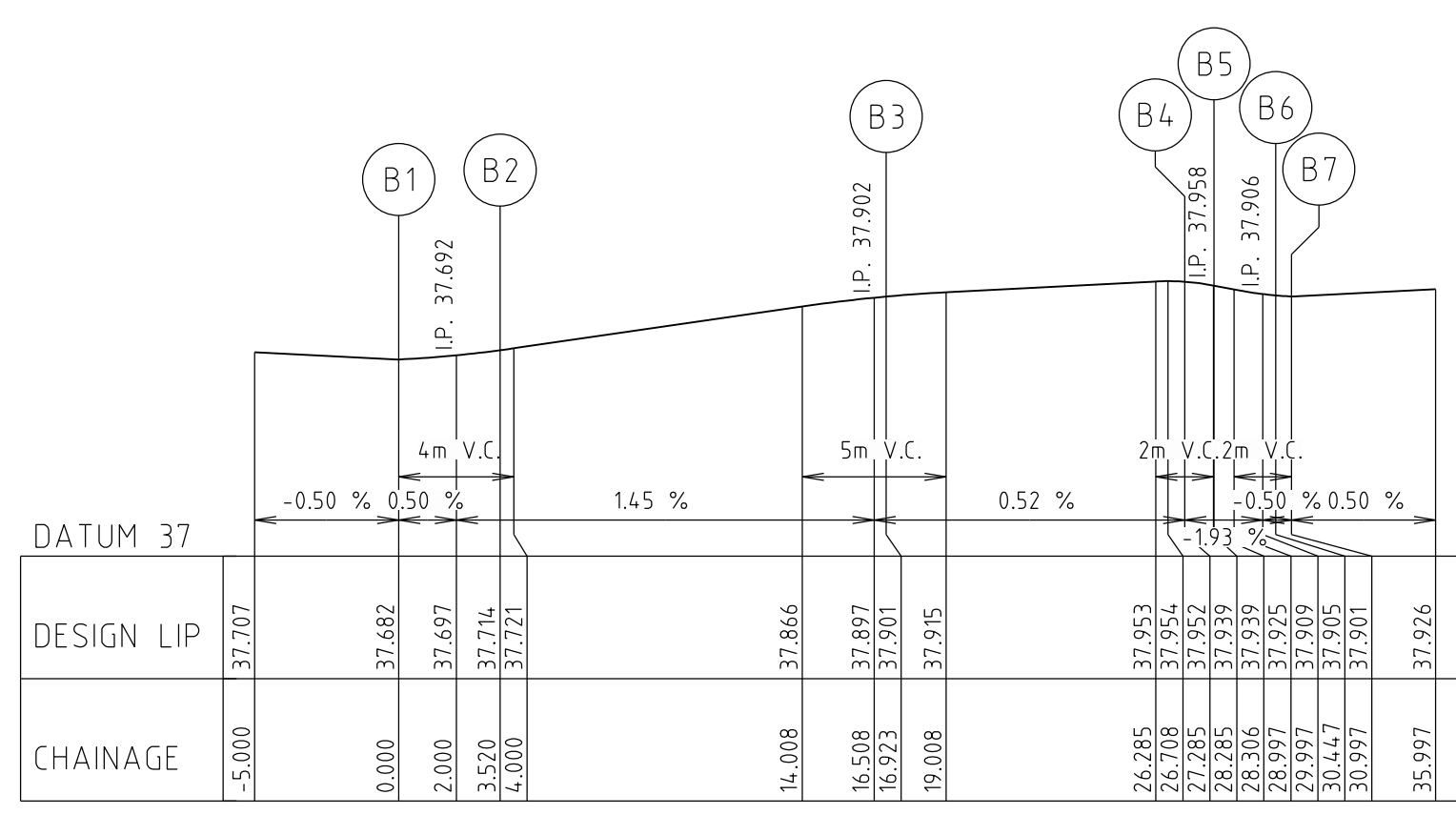
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	0.700	0.550	0.536	0.053	0.013
A3-A4	1.300	1.021	0.995	0.099	-0.025
A4-A5	8.600	13.921	12.450	2.664	-0.695
A5-A6	16.800	1.952	1.951	0.028	-0.007



ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	288729.551	5803526.786	38.615
1/4	288728.460	5803529.960	38.598
1/2	288726.238	5803532.474	38.579
3/4	288723.223	5803533.947	38.560
E2	288719.874	5803534.154	38.543

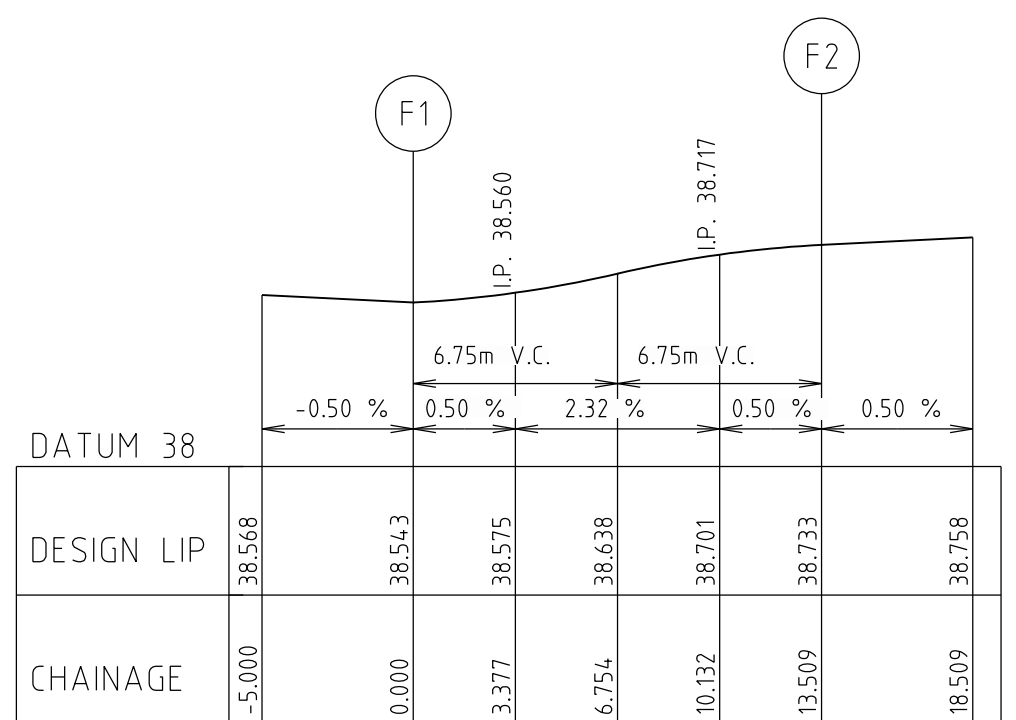
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
E1-E2	8.600	13.509	12.162	2.519	-0.655



ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	288584.666	5803466.988	37.682
1/4	288584.767	5803466.113	37.687
1/2	288584.836	5803465.237	37.695
3/4	288584.871	5803464.358	37.704
B2	288584.872	5803463.477	37.714
1/4	288585.560	5803459.957	37.767
1/2	288587.250	5803457.392	37.811
3/4	288589.733	5803455.585	37.856
B3	288593.218	5803454.734	37.901
B4	288603.575	5803454.428	37.952
1/4	288603.834	5803454.447	37.950
1/2	288604.075	5803454.513	37.947
3/4	288604.299	5803454.623	37.943
B5	288604.505	5803454.782	37.939
B6	288606.063	5803456.251	37.905
1/4	288606.174	5803456.336	37.904
1/2	288606.295	5803456.396	37.903
3/4	288606.425	5803456.431	37.902
B7	288606.564	5803456.441	37.901

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	23.200	3.517	0.067	0.050	0.050
B0-B3	-6.600	12.087	2.481	1.933	0.075
B4-B5	-1.300	0.995	0.999	0.099	0.075
B6-B7	0.700	0.536	0.533	0.053	0.040

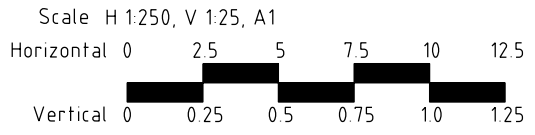


ALIGNMENT F

POINT NO	EASTING	NORTHING	RL
F1	288719.015	5803540.496	38.543
1/4	288722.189	5803541.587	38.575
1/2	288724.703	5803543.809	38.638
3/4	288726.176	5803546.824	38.701
F2	288726.383	5803550.173	38.733

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

Rev	Amendments	Approved	Date
1	LIP B UPDATED.	M.L.	24/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19



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Designed: T. WONG Checked: R. WEINBER

 Authorised: M. LETSON Date: 16/01/19

MAMBOURIN ESTATE

STAGE 7

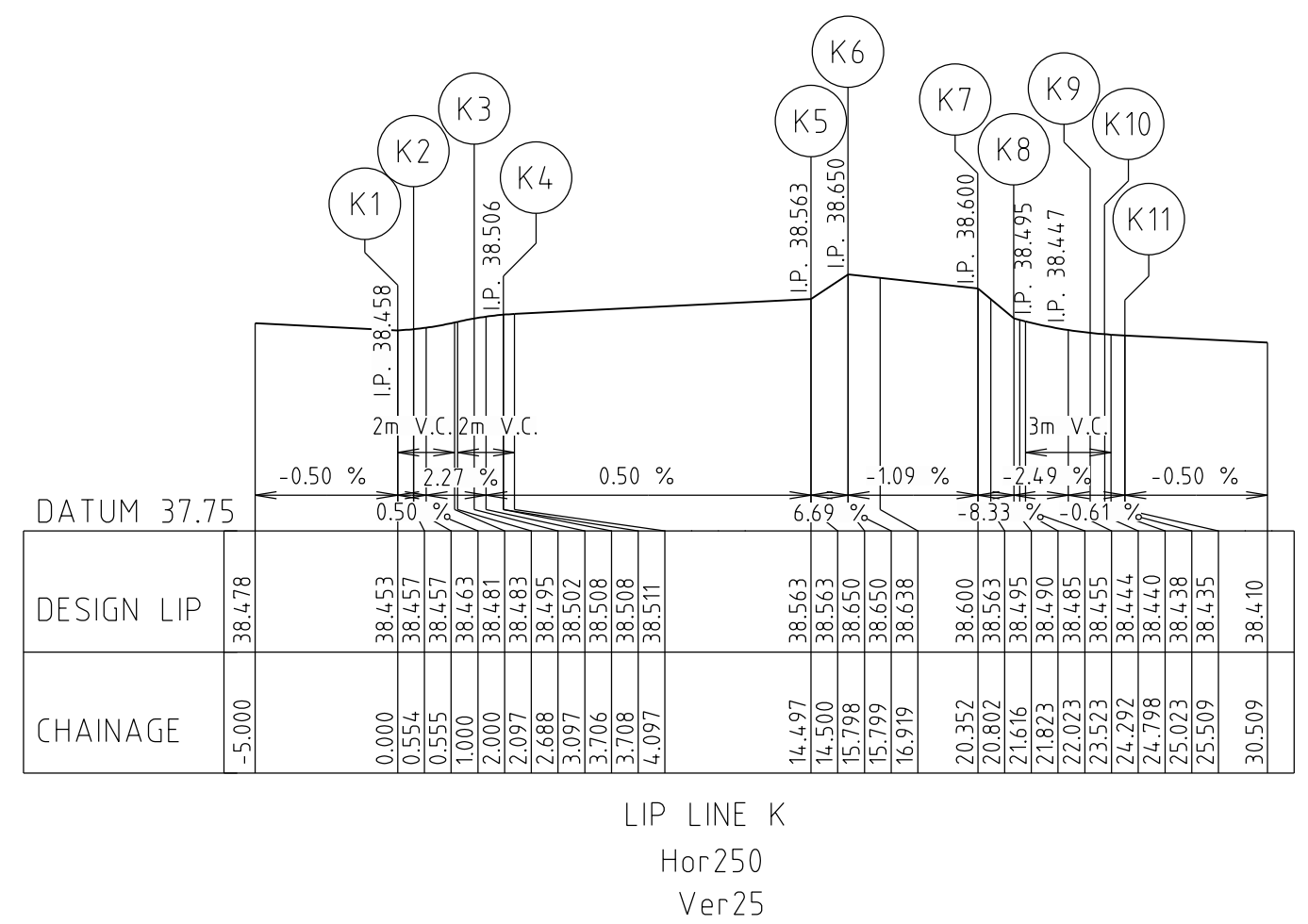
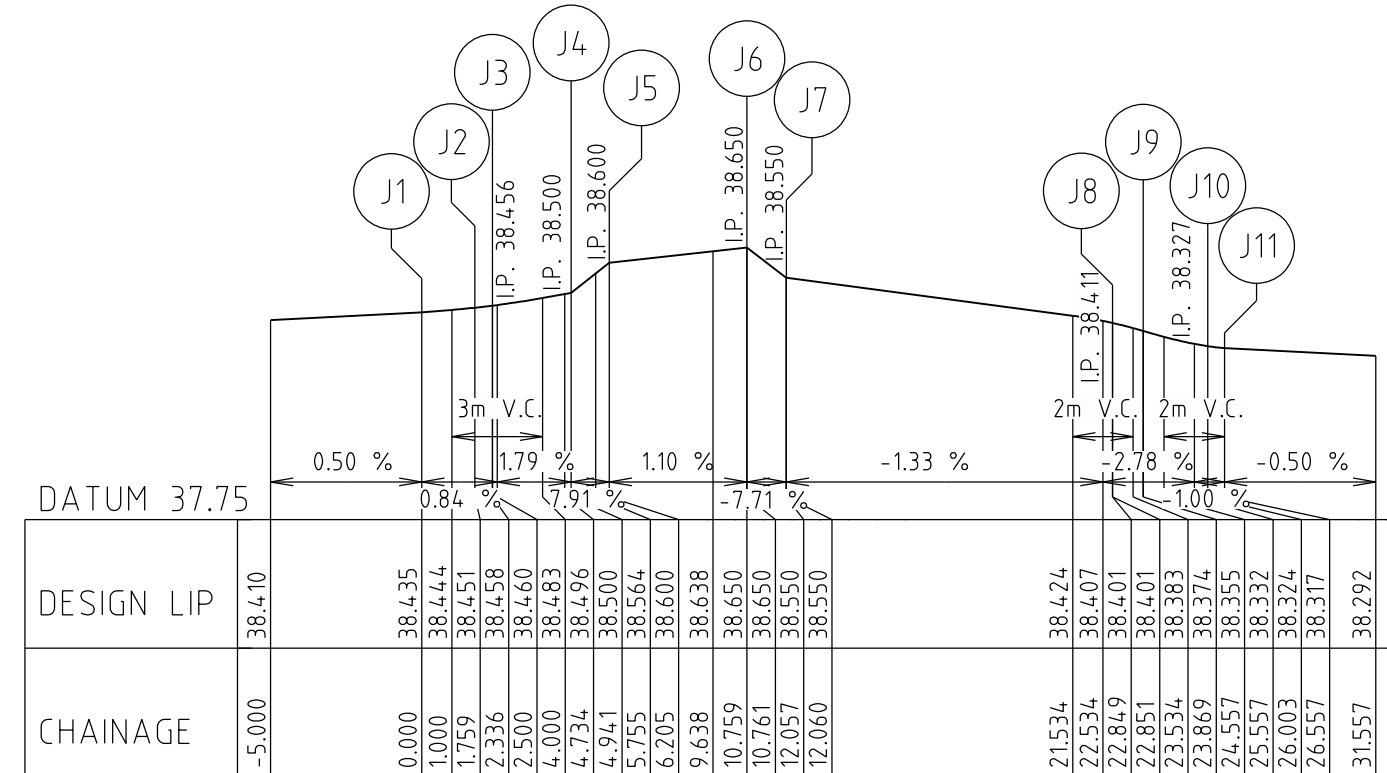
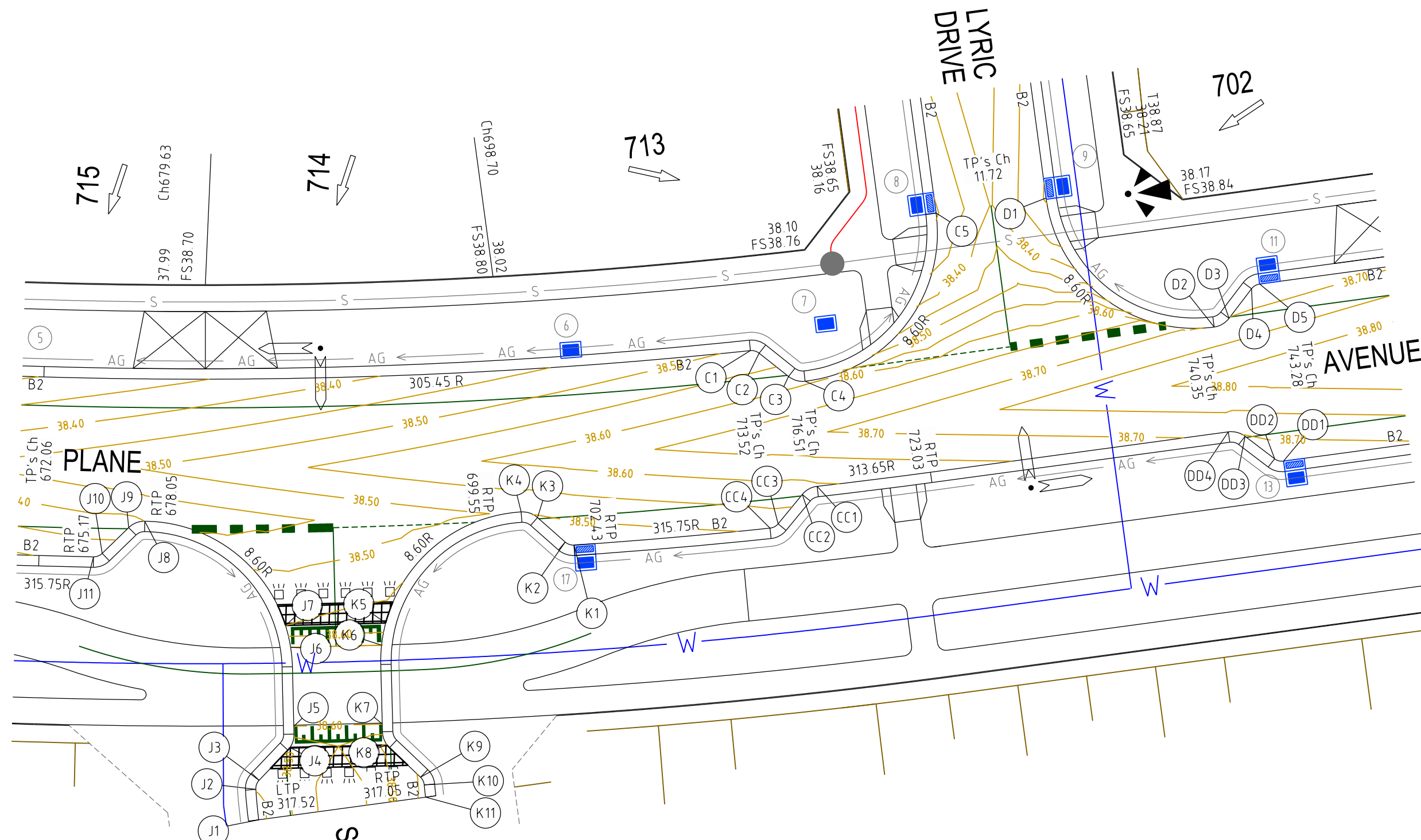
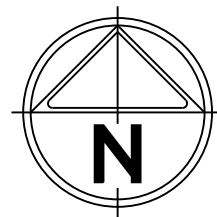
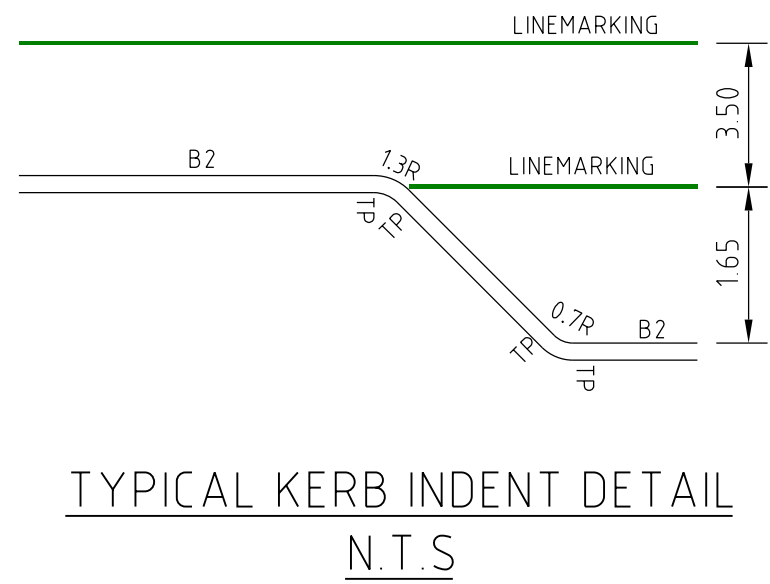
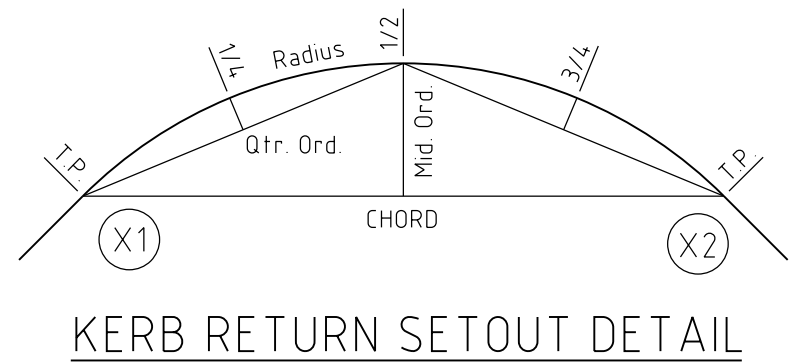
INTERSECTION DETAILS

SHEET 1 OF 3

 FRASER PROPERTY AUSTRALIA

 CITY OF WYNDHAM

CONSTRUCTION Drg No: **305172R12** Rev: **1**

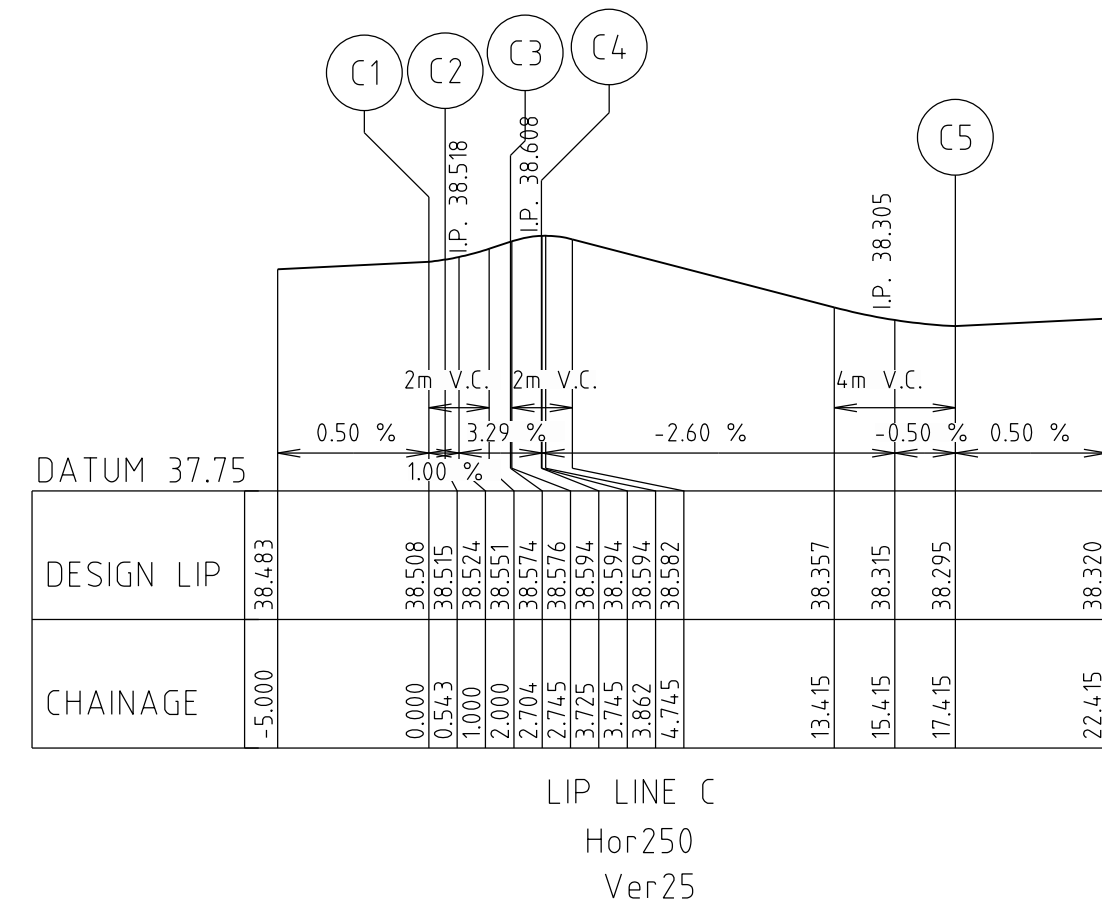


ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	288699.084	5803428.551	38.435
J2	288698.910	5803430.300	38.451
J3	288699.102	5803430.827	38.458
J4	288700.886	5803432.724	38.500
J5	288701.103	5803433.941	38.600
J6	288700.918	5803438.489	38.650
J7	288700.622	5803439.754	38.550
J8	288692.509	5803445.763	38.401
J9	288691.586	5803445.394	38.374
J10	288690.058	5803443.905	38.324
J11	288689.557	5803443.706	38.317

ALIGNMENT K

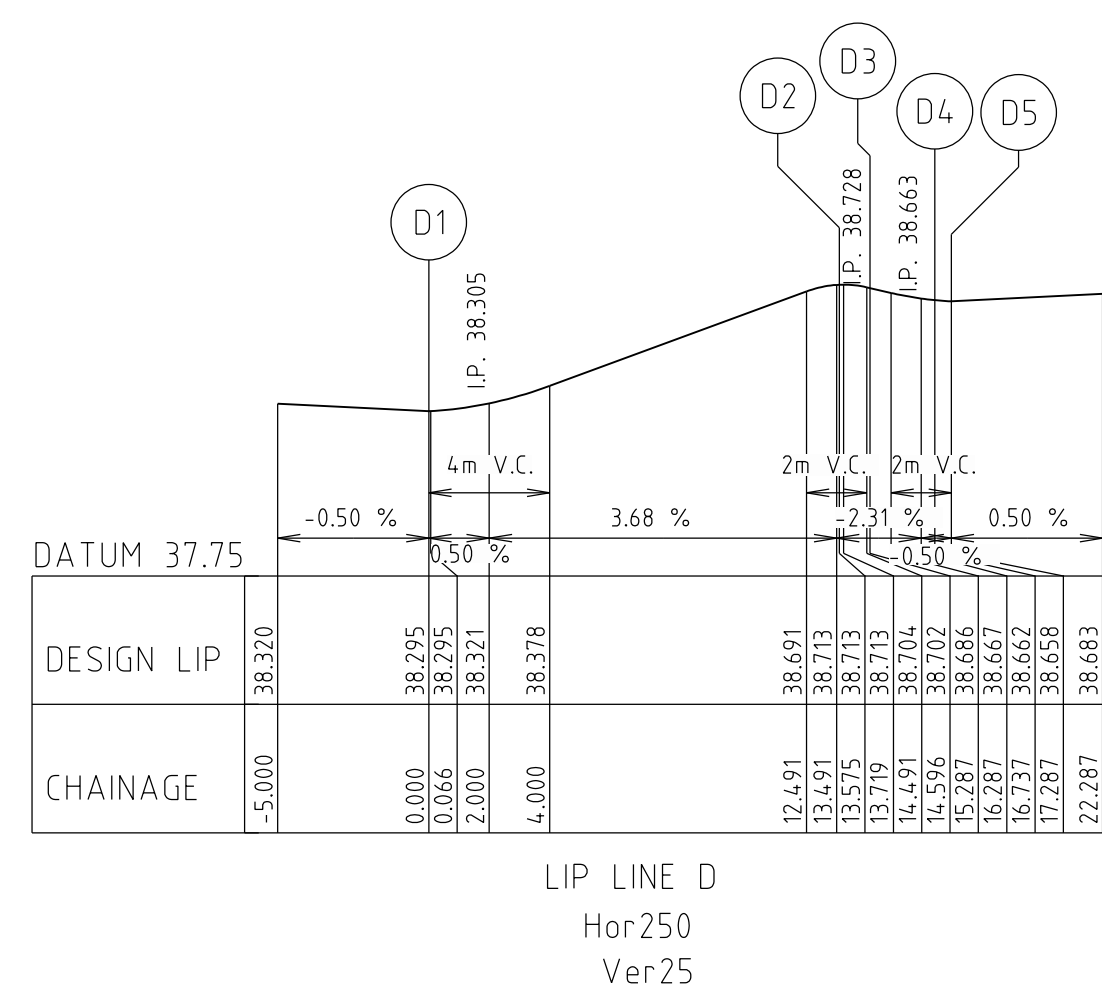
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K1	288717.256	5803444.383	38.453
K2	288716.746	5803444.557	38.457
K3	288715.147	5803445.970	38.495
K4	288714.207	5803446.293	38.508
K5	288706.397	5803439.896	38.563
K6	288706.163	5803438.617	38.650
K7	288706.201	5803434.066	38.600
K8	288706.477	5803432.861	38.495
K9	288708.403	5803431.004	38.444
K10	288708.618	5803430.558	38.440
K11	288708.697	5803429.852	38.435



ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	288727.415	5803455.598	38.508
C2	288727.551	5803455.599	38.510
C3	288727.684	5803455.574	38.511
C4	288727.810	5803455.523	38.513
C5	288729.923	5803455.449	38.515

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
C1-C2	0.700	0.543	0.530	0.052	0.013
C2-C3	1.300	1.021	0.995	0.099	-0.025
C3-C4	8.600	13.689	12.289	2.583	-0.672

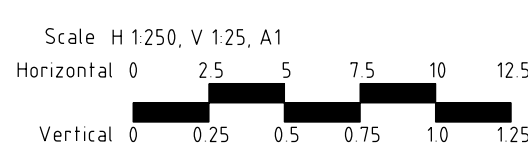


ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	288744.461	5803464.388	38.295
D2	288745.560	5803461.149	38.359
D3	288747.782	5803458.635	38.482
D4	288750.797	5803457.162	38.606
D5	288754.146	5803456.955	38.713

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
D2-D3	8.600	13.509	12.162	2.519	-0.655
D3-D4	1.300	1.021	0.995	0.099	-0.025
D4-D5	0.700	0.550	0.536	0.053	0.013

Rev	Amendments	Approved	Date
1	LIP PROFILE J & K UPDATED.	M.L.	24/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19

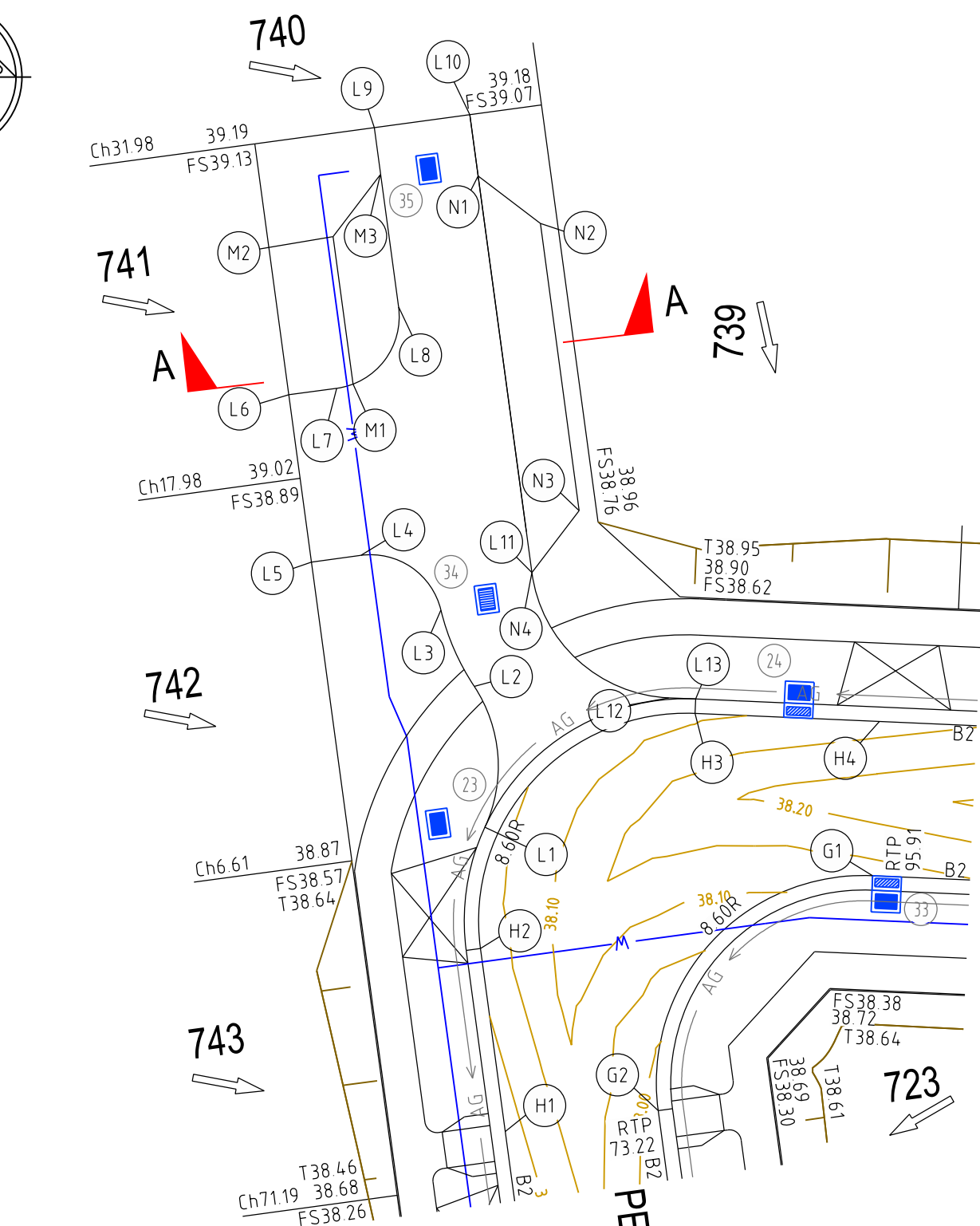
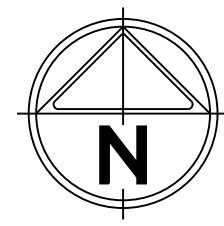


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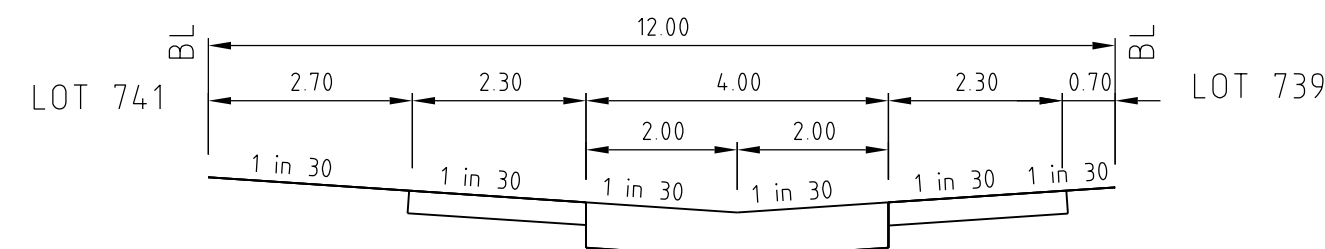
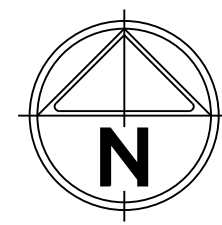
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Authorised
M. LETSON
Checked
R. WEINBER
Date
16/01/19

**MAMBOURIN ESTATE
STAGE 7
INTERSECTION DETAILS
SHEET 2 OF 3**
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION Drg No
305172R13
Rev
1



PERCEVAL PLACE



SECTION A - A

ALIGNMENT L (EXTENDED DRIVEWAY)

POINT	EASTING	NORTHING	LEVEL
L1	288569.597	5803536.888	38.139
1/4	288570.058	5803538.342	38.158
1/2	288570.138	5803539.865	38.196
3/4	288569.831	5803541.359	38.240
L2	288569.157	5803542.727	38.292
1/4	288568.709	5803543.471	38.324
1/2	288568.328	5803544.251	38.353
3/4	288568.016	5803545.061	38.381
L3	288567.775	5803545.895	38.407
1/4	288567.328	5803546.894	38.444
1/2	288566.551	5803547.666	38.490
3/4	288565.550	5803548.108	38.537
L4	288564.457	5803548.162	38.579
L5	288562.406	5803547.884	38.647
L6	288561.467	5803554.821	38.842
L7	288563.449	5803555.089	38.775
1/4	288564.556	5803555.470	38.744
1/2	288565.433	5803556.245	38.729
3/4	288565.947	5803557.297	38.734
L8	288566.019	5803558.465	38.758
L9	288565.012	5803565.897	38.967
L10	288568.976	5803566.434	38.967
L11	288571.548	5803567.444	38.435
1/4	288572.180	5803545.464	38.353
1/2	288573.449	5803543.818	38.290
3/4	288575.203	5803542.704	38.226
L12	288577.232	5803542.255	38.194
L13	288578.344	5803542.207	38.189

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
L1-L2	6.000	6.117	5.856	0.763	-0.194
L2-L3	10.000	3.474	3.456	0.150	0.038
L3-L4	3.000	4.403	4.019	0.772	-0.200
L7-L8	3.000	4.712	4.243	0.879	-0.228
L11-L12	6.000	8.355	7.696	1.397	-0.360

ALIGNMENT M (CARPARKING)

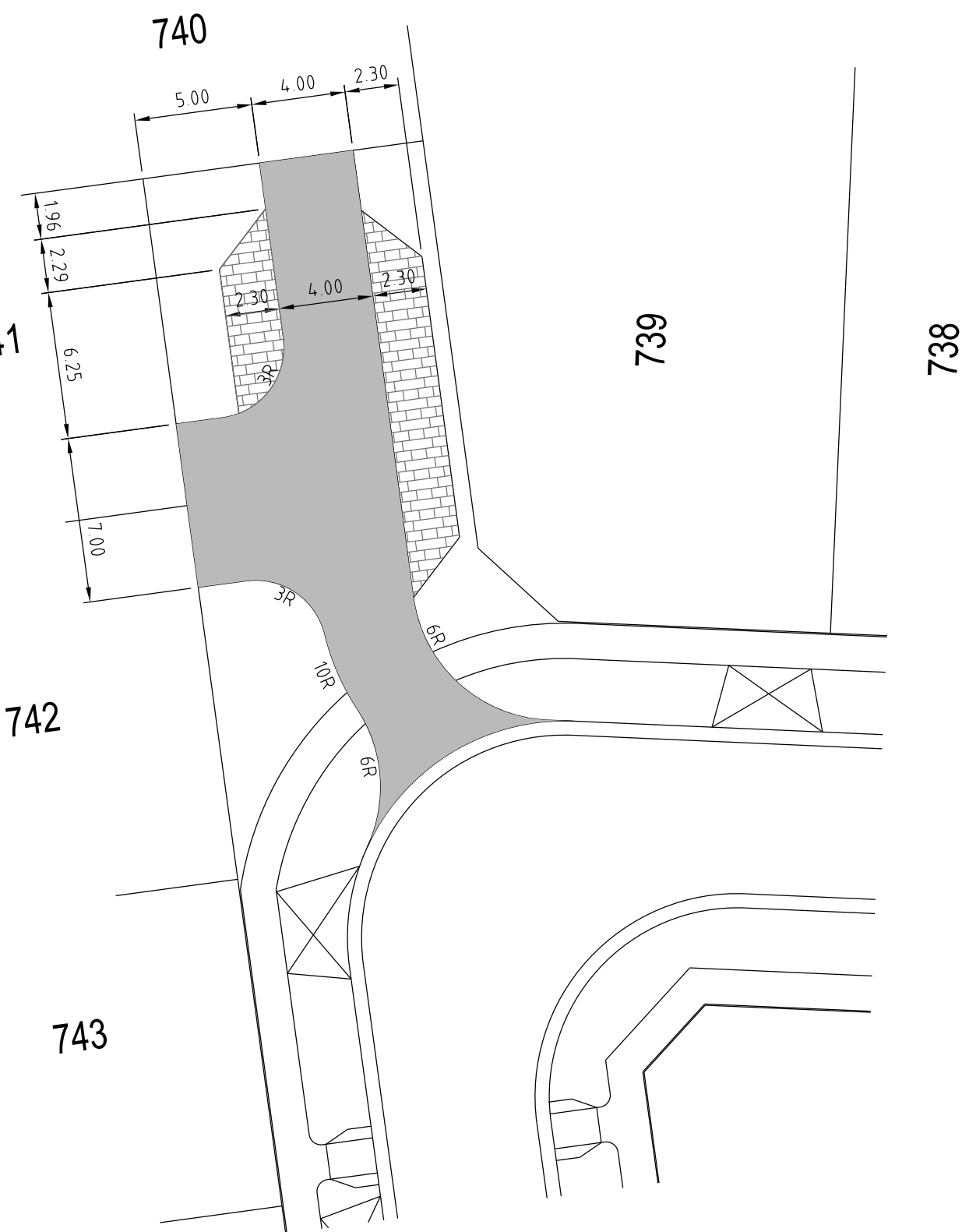
POINT	EASTING	NORTHING	LEVEL
M1	288564.131	5803555.265	38.754
M2	288563.304	5803561.377	38.925
M3	288565.263	5803563.949	38.913

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
M1-M2	6.000	6.117	5.856	0.763	-0.194
M2-M3	10.000	3.474	3.456	0.150	0.038
M3-M4	3.000	4.403	4.019	0.772	-0.200
M7-M8	3.000	4.712	4.243	0.879	-0.228
M11-M12	6.000	8.355	7.696	1.397	-0.360

ALIGNMENT N (CARPARKING)

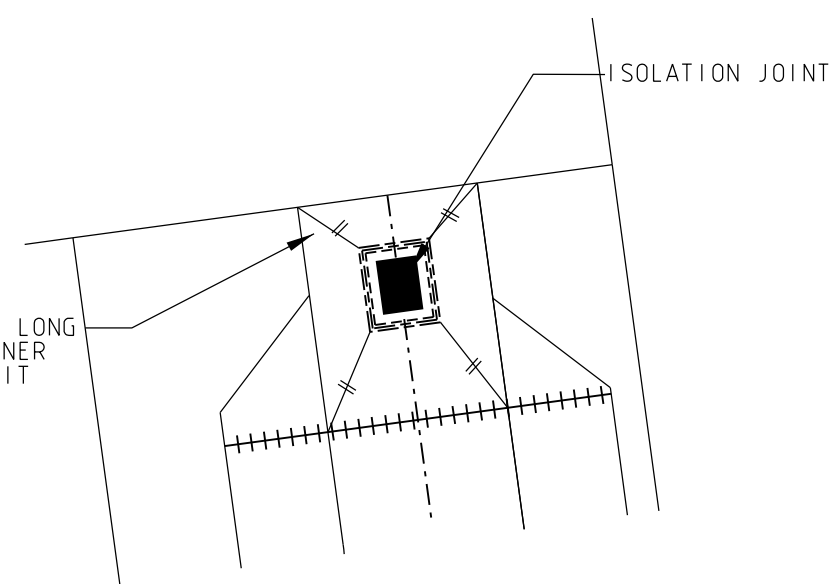
POINT	EASTING	NORTHING	LEVEL
N1	288569.320	5803563.894	38.895
N2	288571.908	5803561.924	38.908
N3	288573.507	5803550.017	38.574
N4	288571.548	5803547.444	38.435

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
N1-N2	6.000	6.117	5.856	0.763	-0.194
N2-N3	10.000	3.474	3.456	0.150	0.038
N3-N4	3.000	4.403	4.019	0.772	-0.200
N7-N8	3.000	4.712	4.243	0.879	-0.228
N11-N12	6.000	8.355	7.696	1.397	-0.360



PAVEMENT FINISH DETAILS:

- PAVEMENT SHOWN THUS [Symbol] TO CONSIST OF:
- (EXTENDED DRIVEWAY & ISLAND INFILLS)
 - a 200mm DEPTH REINFORCED SL82 MESH CENTRALLY PLACED
 - STANDARD BROOM FINISH
 - b 100mm COMPACTED DEPTH CLASS 2 CRUSHED ROCK.
- PAVEMENT SHOWN THUS [Symbol] TO CONSIST OF: (PARKING BAYS)
- a 200mm DEPTH REINFORCED SL82 MESH CENTRALLY PLACED.
 - (CHARCOAL COLOURED CONCRETE FINISH)
 - b 100mm COMPACTED DEPTH CLASS 2 CRUSHED ROCK.



TYPICAL JOINT ARRANGEMENT AROUND PITS

NOT TO SCALE

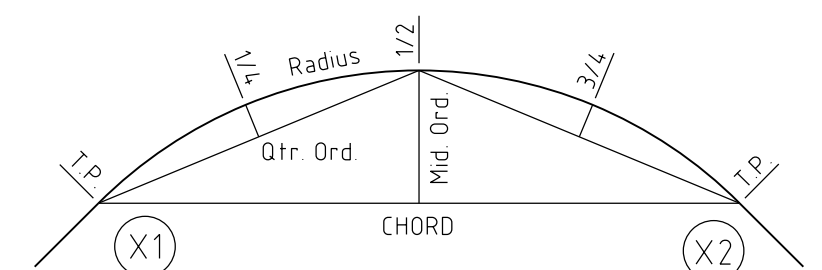
NOTE

ALL LONGITUDINAL JOINTS (LJ) AND CONSTRUCTION JOINTS (CJ) TO BE DOWELLED WITH 24 DIA DOWELS. GRADE 250R STEEL BARS 1500mm LONG @ 300mm CENTRES AND TO HAVE A BOND BREAKING COMPOUND ON ONE END.

TRANSVERSE CONTRACTION JOINTS (CJ) TO BE FORMED OR SAWCUT. DEPTH TO BE D/4 AND FILLED WITH AN APPROVED SEALANT MATERIAL (D = CONCRETE PAVEMENT THICKNESS).

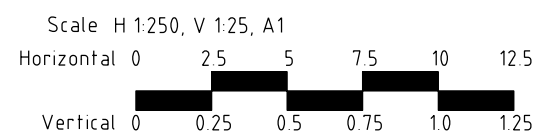
DCJS TO BE DONE WHERE SPECIFIED & AT END OF DAYS POUR

CONCRETE TO BE CURED IMMEDIATELY BY COVERING WITH PLASTIC SHEETING/WET HESHIAN CONTINUOUSLY FOR AT LEAST 3 DAYS OR ANY OTHER APPROVED METHOD.



KERB RETURN SETOUT DETAIL

Rev	Description	Approved	Date
0	CONSTRUCTION ISSUE	M.L.	27/05/19
1	Amendments	Approved	Date



AS/NZS ISO 9001
AS/NZS ISO 14001
AS/NZS ISO 45001

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R. WEINBER

Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
INTERSECTION DETAILS
SHEET 3 OF 3

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION

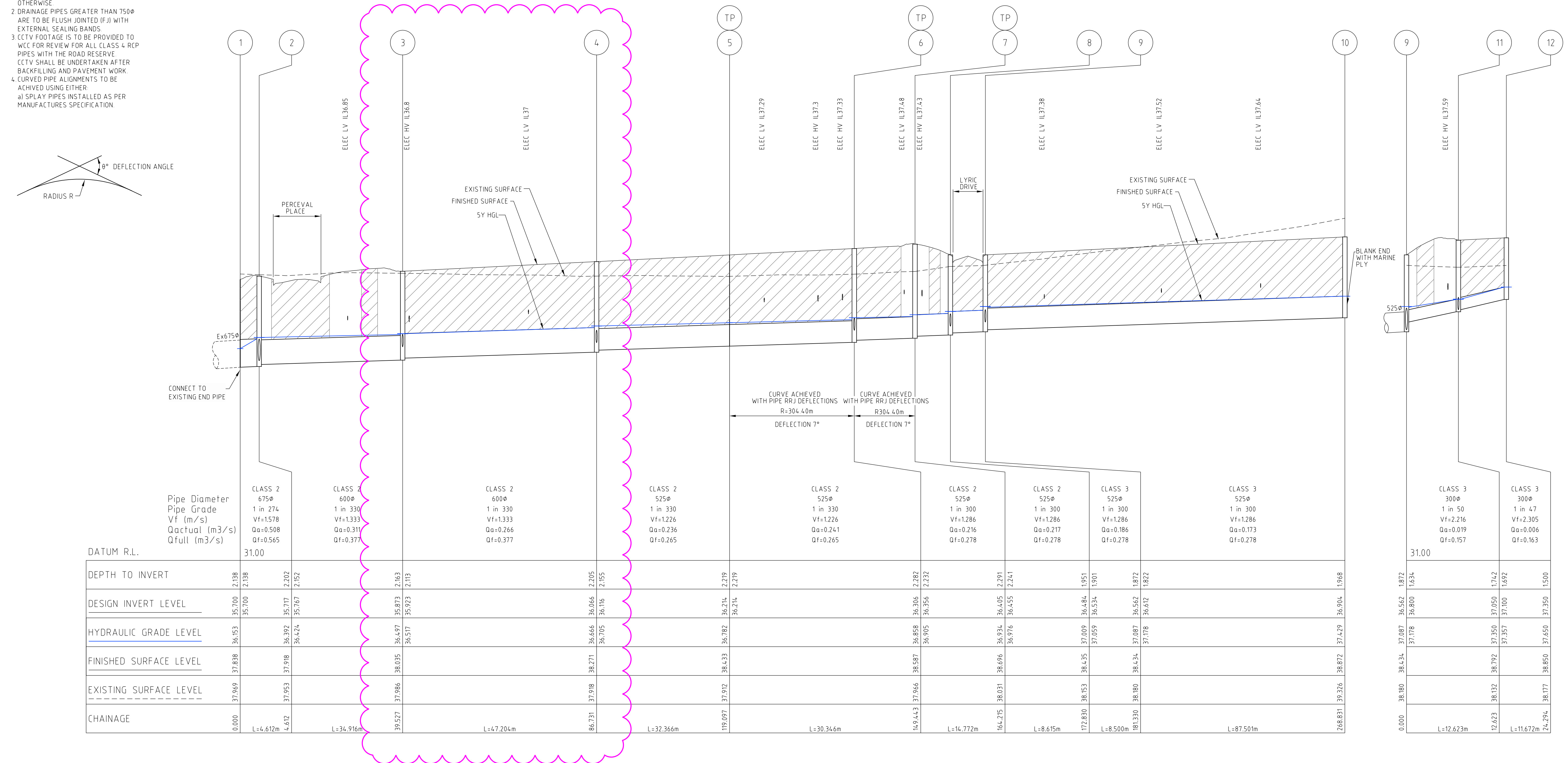
Drg No
305172R14

Rev
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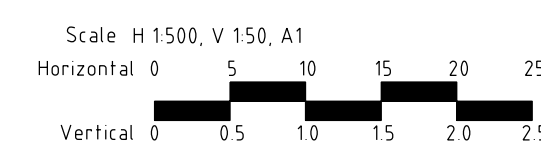


NOTE:

-
- A diagram of a circular curve. A curved line represents the arc of the curve. Two straight lines, the tangents, extend from the ends of the arc. The angle between these two tangents is labeled θ° DEFLECTION ANGLE. A line segment from the center of the circle to the arc is labeled RADIUS R.



1	ELEC CROSSINGS UPDATED. PITS 3 & 4 MOVED.	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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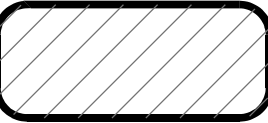
Date
16/01/19

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

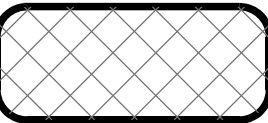
CONSTRUCTION Drg No **305172R15**

1

CRUSHED ROCK BACKFILL LEGEND



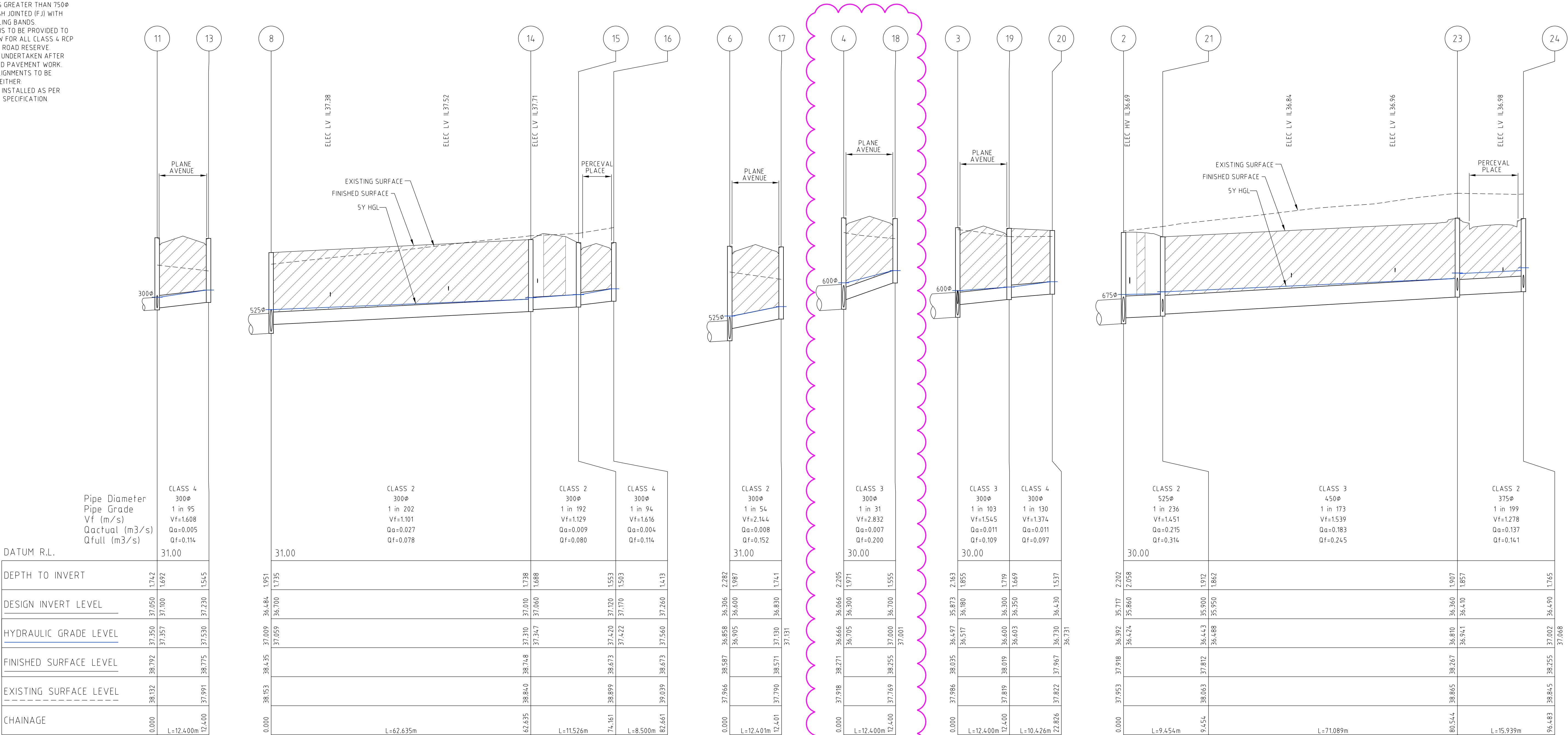
CLASS 2 CRUSHED ROCK



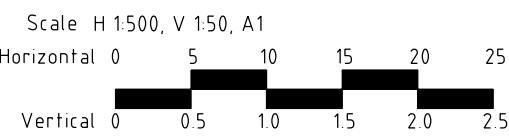
CLASS 3 CRUSHED ROCK

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 ACHIEVED USING EITHER:
 - a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION



Rev	Amendments	Approved	Date
1	ELEC CROSSINGS UPDATED. PITS 4 & 18 MOVED. PIT 22 REMOVED	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19



AS/NZS ISO 9001
AS/NZS ISO 14001
AS/NZS ISO 45001

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Authorised
M. LETSON

Checked
R. WEINBER

Date
16/01/19

**MAMBOURIN ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 2 OF 4**

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

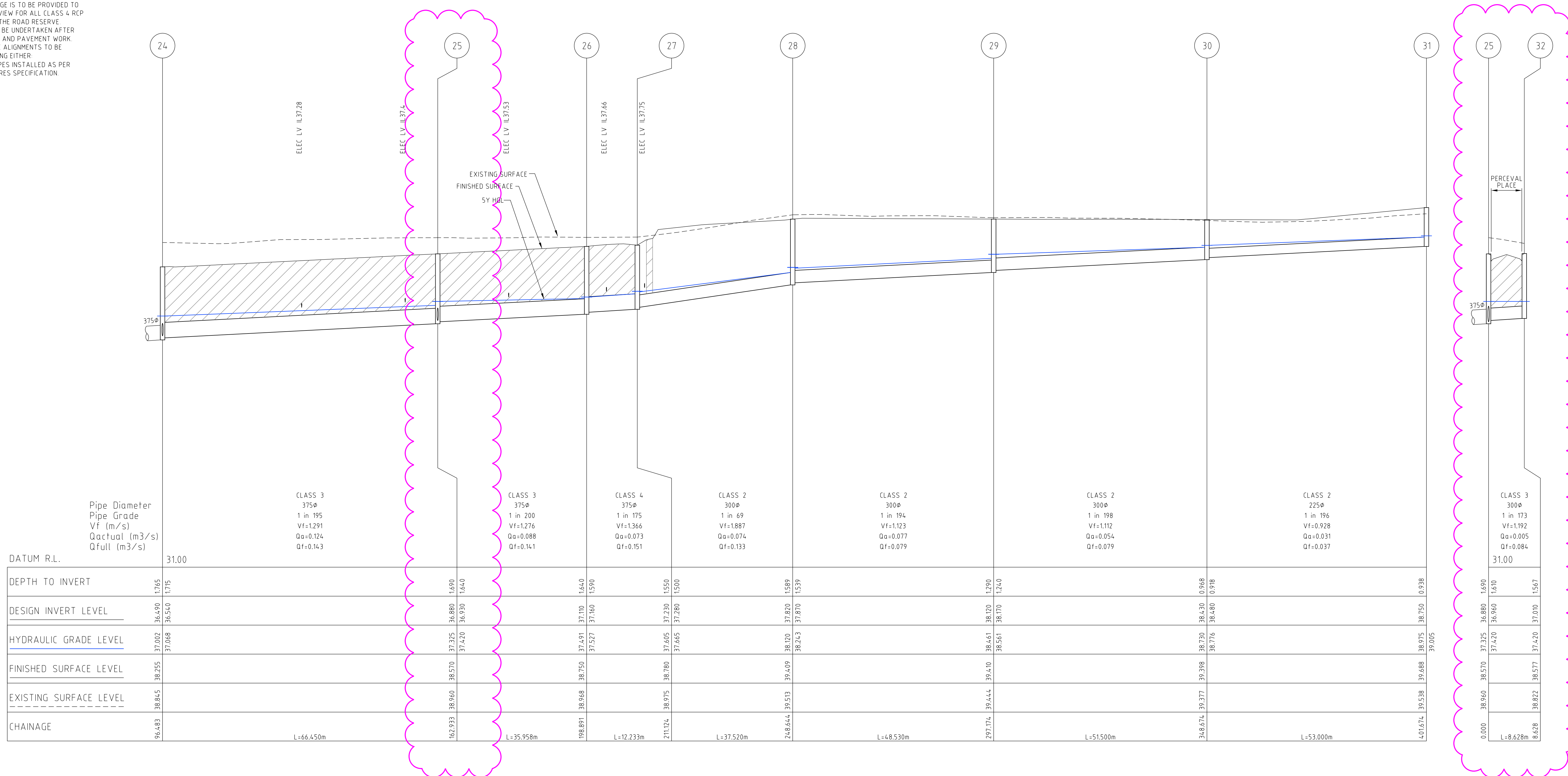
CONSTRUCTION Drg No
305172R16

Rev
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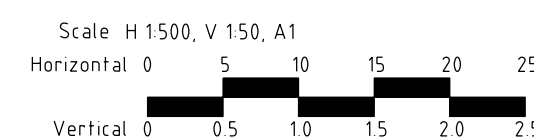


NOTE:

1. ALL PIPES TO BE R/RJ DENOTES RUBBER RING JOINED UNLESS NOTED OTHERWISE
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINED (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 ACHIEVED USING EITHER:
 - a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION



1	ELEC CROSSINGS UPDATED. PITS 25 & 32 MOVED.	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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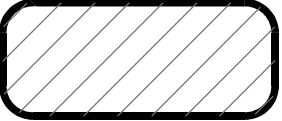
**MAMBOURIN ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 3 OF 4**

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

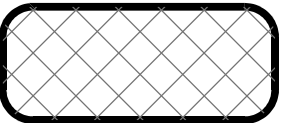
CONSTRUCTION Drg No
305172R17

Rev
1

CRUSHED ROCK BACKFILL LEGEND



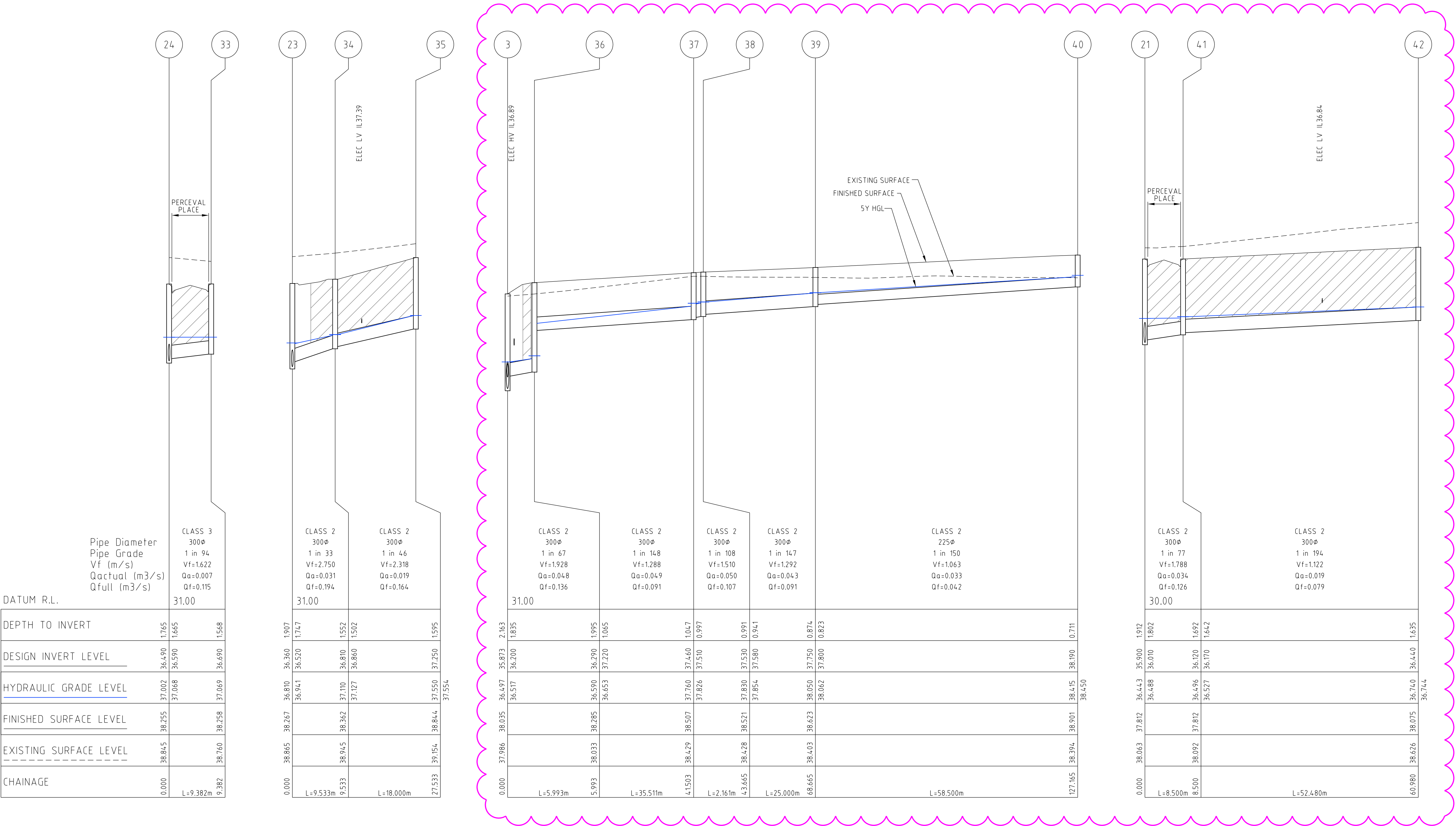
CLASS 2 CRUSHED ROCK



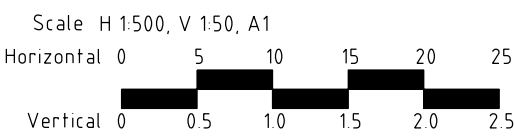
CLASS 3 CRUSHED ROCK

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 ACHIEVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION



1	ELEC CROSSINGS UPDATED. PITS 3 TO 40 & PITS 21 TO 42 REALIGNED	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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MAMBOURIN ESTATE
STAGE 7
DRAINAGE LONG SECTION
SHEET 4 OF 4

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION

Drg No
305172R18

Rev
1

DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	LENGTH	WIDTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
1	EXISTING END PIPE			675	35.7			37.838	2.138	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 3 WORKS
2	JUNCTION PIT	900	900	600	35.767	675	35.717	37.918	2.202	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
				525	35.86					
3	SIDE ENTRY PIT GRATED	900	900	600	35.923	600	35.873	38.035	2.163	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.18					
				300	36.2					
4	SIDE ENTRY PIT GRATED	900	900	525	36.116	600	36.066	38.271	2.205	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.3					
5	TANGENT POINT			525	36.214	525	36.214	38.433	2.219	PIPE TANGENT POINT
6	JUNCTION PIT	900	900	525	36.356	525	36.306	38.587	2.282	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
				300	36.6					
7	JUNCTION PIT	900	900	525	36.455	525	36.405	38.696	2.291	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING AS PER EDCM 607)
8	SIDE ENTRY PIT GRATED	900	900	525	36.534	525	36.484	38.435	1.951	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.7					
9	SIDE ENTRY PIT GRATED	900	900	525	36.612	525	36.562	38.434	1.872	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.8					
10	END PIPE					525	36.904	38.872	1.968	BLANK END WITH MARINE PLY
11	SIDE ENTRY PIT GRATED	900	600	300	37.1	300	37.05	38.792	1.742	REFER DRAWING - EDCM 601
				300	37.1					
12	JUNCTION PIT	900	600			300	37.35	38.85	1.5	REFER DRAWING - EDCM 605
13	SIDE ENTRY PIT GRATED	900	600			300	37.23	38.775	1.545	REFER DRAWING - EDCM 601
14	SIDE ENTRY PIT GRATED	900	600	300	37.06	300	37.01	38.748	1.738	REFER DRAWING - EDCM 601
15	SIDE ENTRY PIT GRATED	900	600	300	37.17	300	37.12	38.673	1.553	REFER DRAWING - EDCM 601
16	SIDE ENTRY PIT GRATED	900	600			300	37.26	38.673	1.413	REFER DRAWING - EDCM 601
17	SIDE ENTRY PIT GRATED	900	600			300	36.83	38.571	1.741	REFER DRAWING - EDCM 601
18	SIDE ENTRY PIT GRATED	900	600			300	36.7	38.255	1.555	REFER DRAWING - EDCM 601
19	JUNCTION PIT	900	600	300	36.35	300	36.3	38.019	1.719	REFER DRAWING - EDCM 605
20	SIDE ENTRY PIT GRATED	900	600			300	36.43	37.967	1.537	REFER DRAWING - EDCM 601
21	SIDE ENTRY PIT GRATED	900	900	450	35.95	525	35.9	37.812	1.912	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
				300	36.01					
23	JUNCTION PIT	900	600	375	36.41	450	36.36	38.267	1.907	REFER DRAWING - EDCM 605
				300	36.52					
24	SIDE ENTRY PIT GRATED	900	600	375	36.54	375	36.49	38.255	1.765	REFER DRAWING - EDCM 601
				300	36.59					
25	SIDE ENTRY PIT GRATED	900	600	375	36.93	375	36.88	38.57	1.69	REFER DRAWING - EDCM 601
				300	36.96					
26	JUNCTION PIT	900	600	375	37.16	375	37.11	38.75	1.64	REFER DRAWING - EDCM 605
27	JUNCTION PIT	900	600	300	37.28	375	37.23	38.78	1.55	REFER DRAWING - EDCM 605
28	JUNCTION PIT	900	600	300	37.87	300	37.82	39.409	1.589	REFER DRAWING - EDCM 605
29	JUNCTION PIT	900	600	300	38.17	300	38.12	39.41	1.29	REFER DRAWING - EDCM 605
30	JUNCTION PIT	900	600	225	38.48	300	38.43	39.398	0.968	REFER DRAWING - EDCM 605
31	JUNCTION PIT	900	600			225	38.75	39.688	0.938	REFER DRAWING - EDCM 605
32	SIDE ENTRY PIT GRATED	900	600			300	37.01	38.577	1.567	REFER DRAWING - EDCM 601
33	SIDE ENTRY PIT GRATED	900	600			300	36.69	38.258	1.568	REFER DRAWING - EDCM 601
34	JUNCTION PIT - GRATED	900	600	300	36.86	300	36.81	38.362	1.552	REFER DRAWING - EDCM 605 (PROVIDE HEAVY DUTY GRATE COVER)
35	JUNCTION PIT - GRATED	900	600			300	37.25	38.844	1.595	REFER DRAWING - EDCM 605 (PROVIDE HEAVY DUTY GRATE COVER)
36	JUNCTION PIT	900	600	300	37.22	300	36.29	38.285	1.995	REFER DRAWING - EDCM 605
37	JUNCTION PIT	900	600	300	37.51	300	37.46	38.507	1.047	REFER DRAWING - EDCM 605
38	JUNCTION PIT	900	600	300	37.58	300	37.53	38.521	0.991	REFER DRAWING - EDCM 601
39	JUNCTION PIT	900	600	225	37.8	300	37.75	38.623	0.874	
40	JUNCTION PIT	900	600			225	38.19	38.901	0.711	REFER DRAWING - EDCM 605
41	SIDE ENTRY PIT GRATED	900	600	300	36.17	300	36.12	37.812	1.692	REFER DRAWING - EDCM 601
42	JUNCTION PIT	900	600			300	36.44	38.075	1.635	REFER DRAWING - EDCM 605

1	PIT 3, 4, 18, 21, 25, 32, 36, 37, 38, 39, 40, 41, 42 UPDATED.	M.L	24/06/19
0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



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R. WEINBER

Date
16/01/19

MAMBOURIN ESTATE

STAGE 7

DRAINAGE PIT SCHEDULE

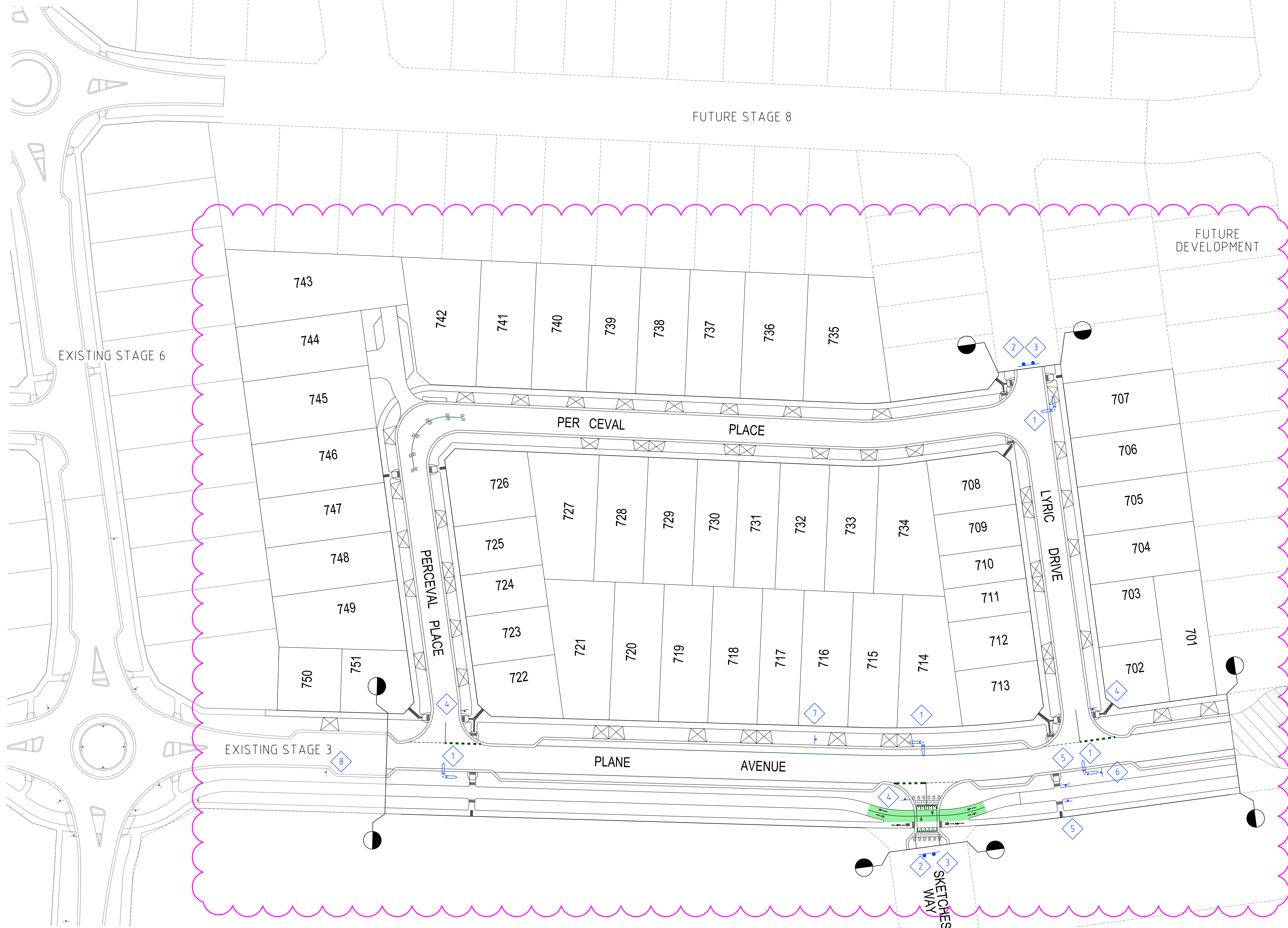
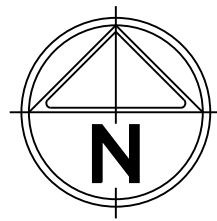
FRASER PROPERTY AUSTRALIA

CITY OF WYNDHAM

CONSTRUCTION

Drg No
305172R19

Rev
1



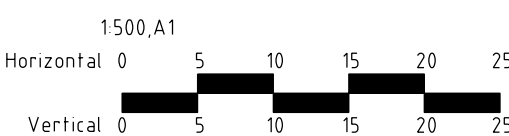
LEGEND

- 1 STREET NAME STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD4.08 & SD4.12, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE
- 2 ROAD CLOSED G9-20
- 3 D4-5
- 4 GIVE WAY R1-2A
- 5 W6-9 W8-23
- 6 W6-9 W8-23
- 7 W6-9 W8-23 W8-3A
- 8 W2-7

TGSI KERB RAMP } HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY
TGSI DIRECTIONAL } FOOTPATH RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDM 403
1-WAY RRP (5m SPACING) } TGSI'S SHALL CONFORM TO SECTION 211 VICROADS TRAFFIC ENG. MANUAL VOL. 2
RRPM'S SHALL CONFORM TO SECTION 19.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2

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.

1	LOTS 708 TO 734 LAYOUT UPDATED. LOT NUMBERS UPDATED.	M.L.	24/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19
Rev	Amendments	Approved	Date



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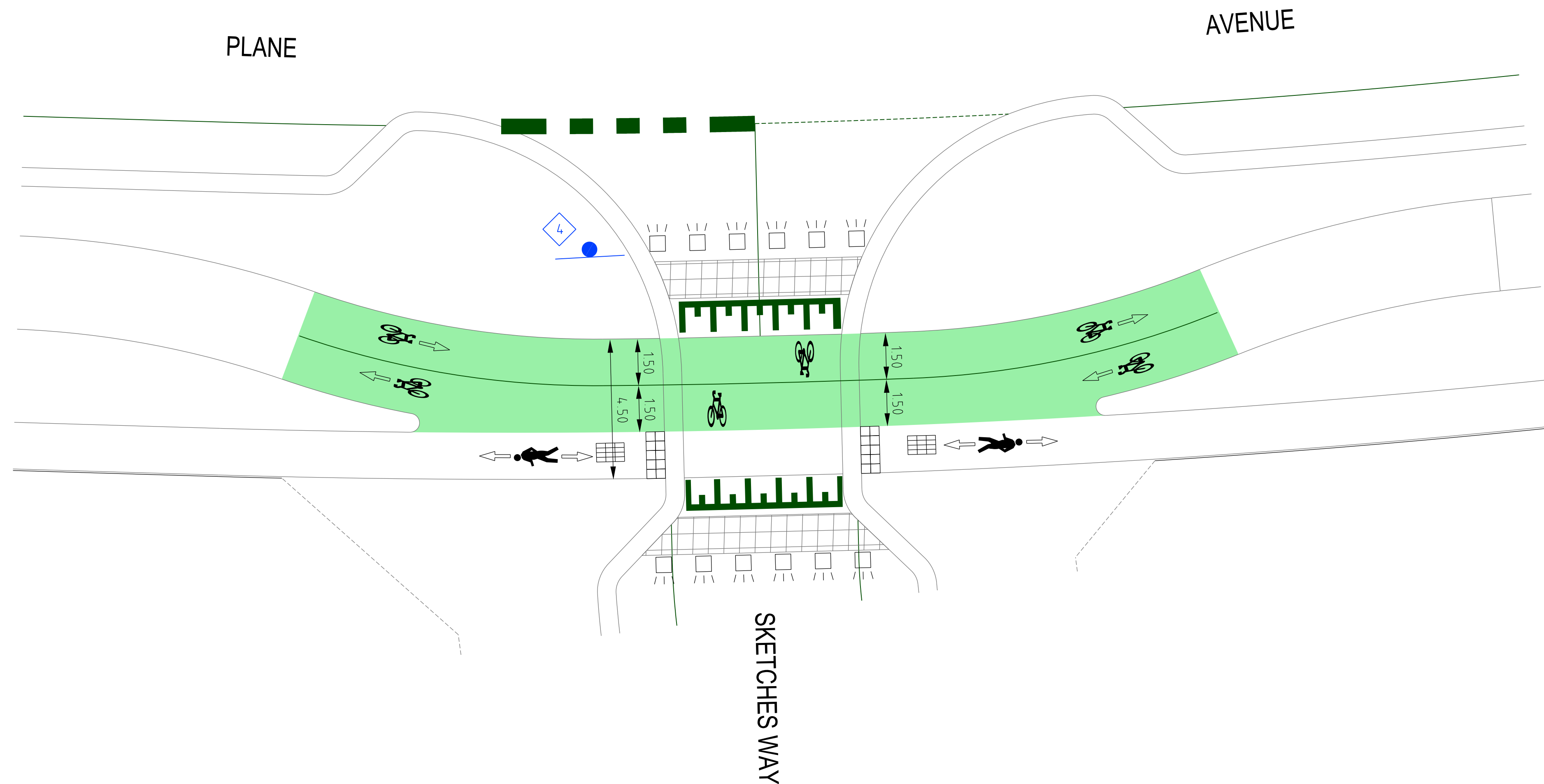
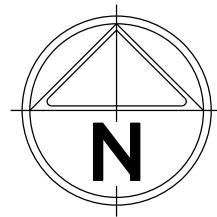


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Designed
T. WONG
Authorised
M. LETSON
Checked
R. WEINBER
Date
16/01/19

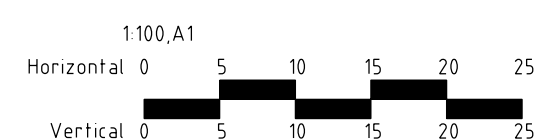
MAMBOURIN ESTATE
STAGE 7
SIGNAGE & LINEMARKING
SHEET 1 OF 2
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION Drg No 305172R20 Rev 1



LEGEND

- 1 STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE.
- 2 ROAD CLOSED G9-20
- 3 D4-5
- 4 GIVE WAY R1-2A
- 5 W6-9 W8-23
- 6 W6-9 W8-23
- 7 W6-9 W8-23
- 8 W8-3A
- 9 W8-3A
- 10 W8-3A
- 11 W8-3A
- 12 W8-3A
- 13 W8-3A
- 14 W8-3A
- 15 W8-3A
- 16 W8-3A
- 17 W8-3A
- 18 W8-3A
- 19 W8-3A
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- 87 W8-3A
- 88 W8-3A
- 89 W8-3A
- 90 W8-3A
- 91 W8-3A
- 92 W8-3A
- 93 W8-3A
- 94 W8-3A
- 95 W8-3A
- 96 W8-3A
- 97 W8-3A
- 98 W8-3A
- 99 W8-3A
- 100 W8-3A
- HAZARD / DIRECTIONAL TGSIS SHOW INDICATIVELY FOOTPATH RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDGM 403 TGSIS SHALL CONFORM TO SECTION 21.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2
- 1-WAY RRPM (5m SPACING) RRPM'S SHALL CONFORM TO SECTION 19.1 VICROADS TRAFFIC ENG. MANUAL VOL. 2
- 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

0	CONSTRUCTION ISSUE	M.L	27/05/19
Rev	Amendments	Approved	Date



MAMBOURIN ESTATE
STAGE 7
SIGNAGE AND LINEMARKING
DETAIL SHEET 2 OF 2

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305172R21** Rev **0**

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, Class 170 binder	30
B	ASPHALT BASE COURSE	Size 10mm Type N, Class 170 binder	30
C		SAMI (Size 10 Class S18RF)	nominal
		Bituminous Prime	nominal
D	GRANULAR BASE	20mm Class 2 Fine Crushed Rock	130
UPPER PAVEMENT TOTAL			190
E	GRANULAR SUBBASE	Class 3 Fine Crushed Rock	240
F	CAPPING LAYER	Type A material - Properties: CBR > 8.0%, Swell < 15 %, Permeability < 1E-9 m/s To be compacted in 2 layers	150
G	ADDITIONAL SUBGRADE IMPROVEMENT	Type A - Working platform achieving CBR > 10%, Properties: CBR > 8.0%, Swell < 15 %, Permeability < 1E-9 m/s To be compacted in 2 layers	150
TOTAL PAVEMENT DEPTH			730

NOTE:
REFER TO COFFEY SERVICES AUSTRALIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

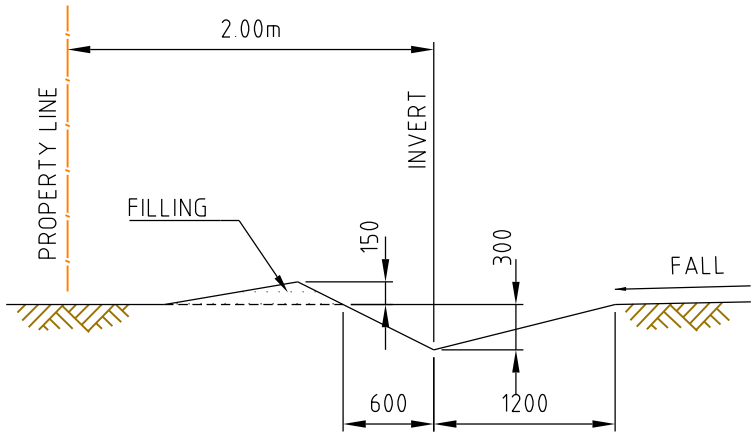
DESIGN PAVEMENT PROFILE FOR CONNECTOR STREET

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
			CONNECTOR STREET
A	ASPHALT WEARING COURSE	Size 14 Type H, Class 320 binder	40
B	ASPHALT INTERMEDIATE COURSE	Size 20 Type SL Class 320 binder	75
C	ASPHALT BASE COURSE	Size 20 Type SF, Class 320 binder	75
D		SAMI & Bituminous Prime	nominal
UPPER PAVEMENT TOTAL			190
E	GRANULAR BASE	20mm Class 2 Fine Crushed Rock	200
F	CAPPING LAYER	Type A - Working platform achieving CBR > 5%, Properties: CBR > 8.0%, Swell < 15 %, Permeability < 1E-9 m/s To be compacted in 2 layers	250
G	ADDITIONAL SUBGRADE IMPROVEMENT	Type A - Working platform achieving CBR > 10%, Properties: CBR > 8.0%, Swell < 15 %, Permeability < 1E-9 m/s To be compacted in 2 layers	150
TOTAL PAVEMENT DEPTH			790

NOTE:
REFER TO COFFEY SERVICES AUSTRALIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

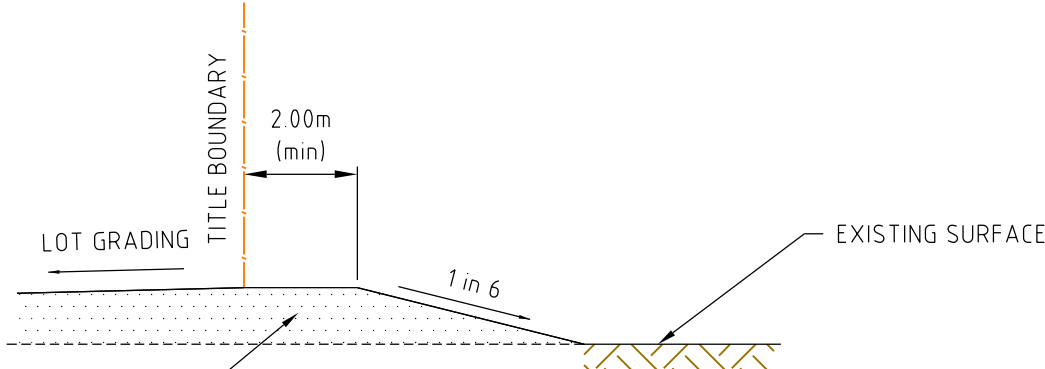
ROAD TYPE DESIGNATIONS

ROAD NAME	ROAD PAVEMENT TYPE
PLANE AVENUE	CONNECTOR STREET
SKETCHES WAY	CONNECTOR STREET
PERCEVAL PLACE	ACCESS STREET LEVEL 1
LYRIC DRIVE	ACCESS STREET LEVEL 1



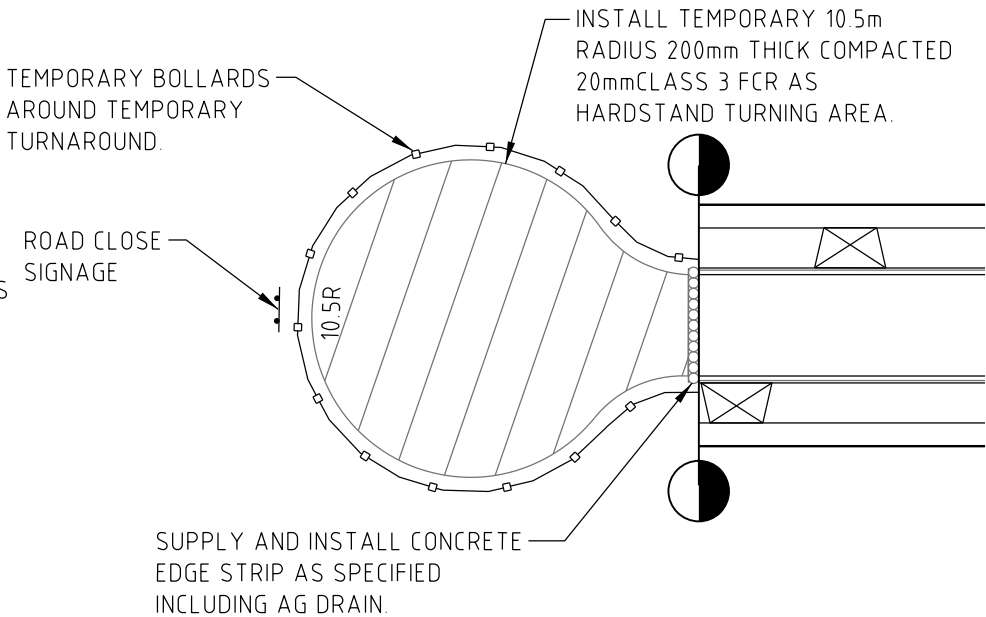
TYPICAL CATCH DRAIN SECTION

N T S



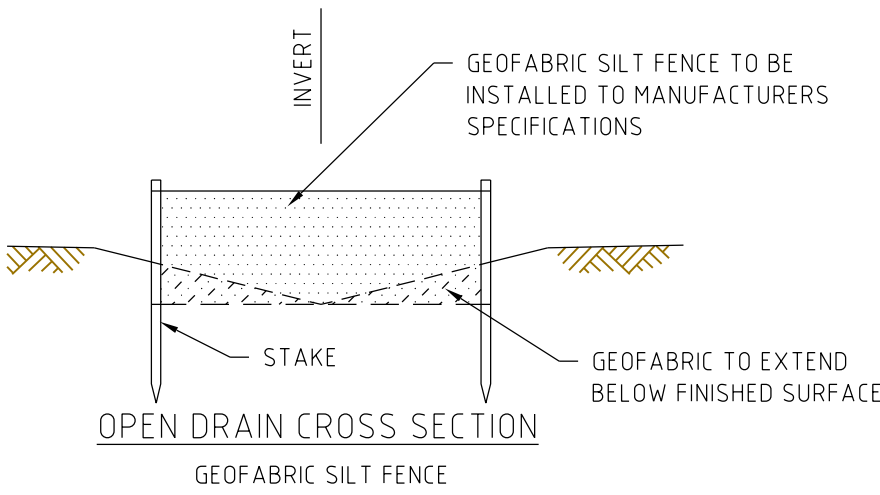
LOT FILLING AT STAGE BOUNDARY

N T S



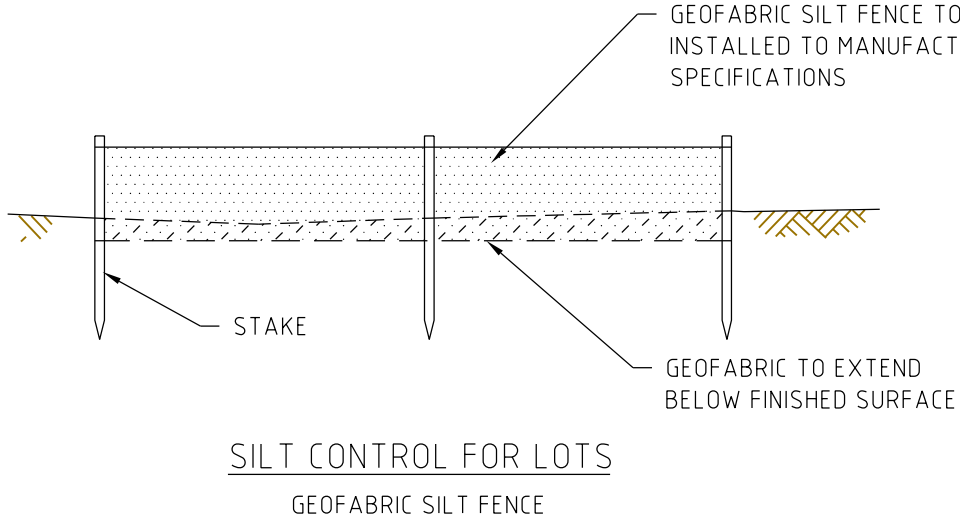
TEMPORARY TURNING AREA DETAIL

N T S



OPEN DRAIN CROSS SECTION

GEOFABRIC SILT FENCE

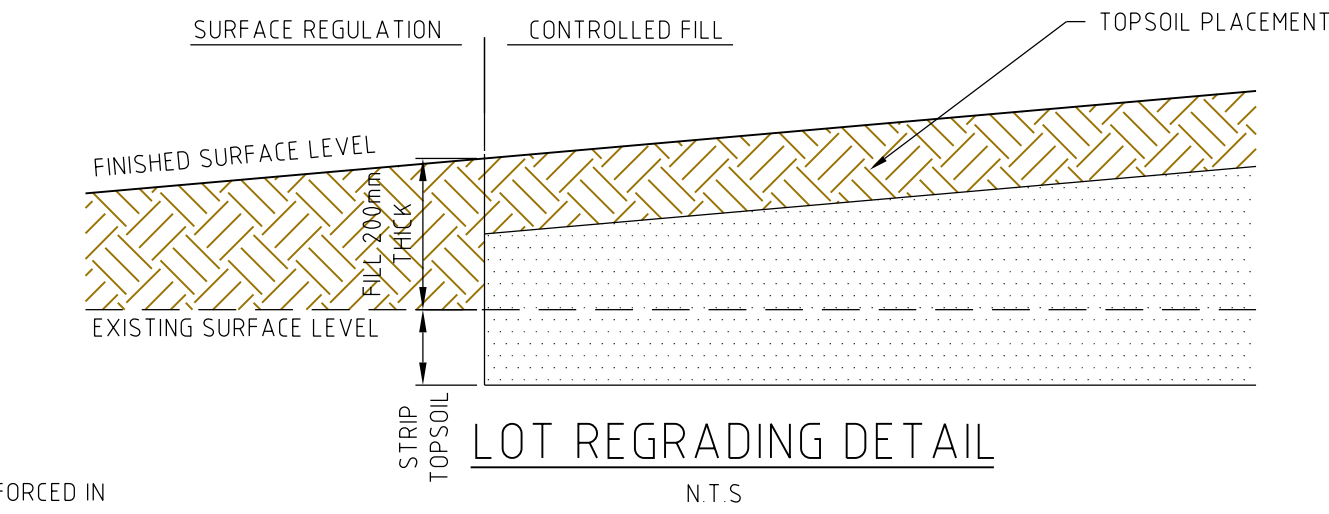


SILT CONTROL FOR LOTS

GEOFABRIC SILT FENCE

SILT CONTROL OPTIONS

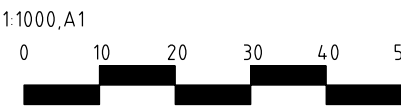
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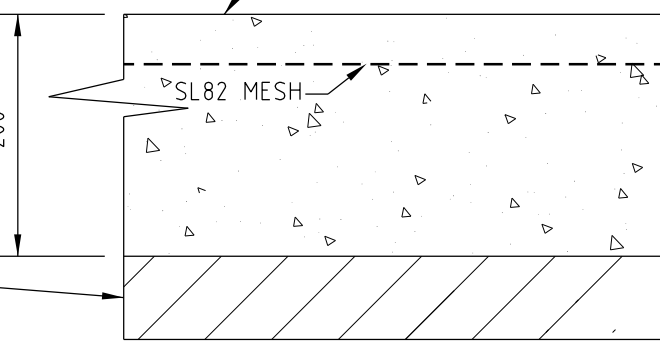
LOT REGRADING DETAIL

N T S

PAVEMENT PLAN

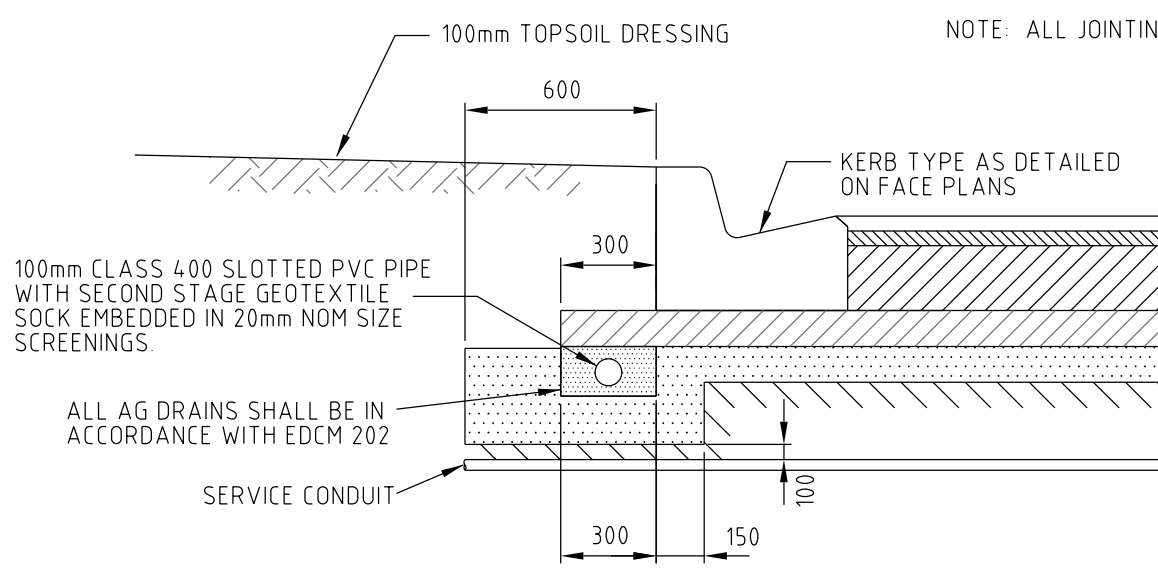


32 MPA 200mm CONCRETE WITH SL82 MESH AND 60mm TOP COVER. REFER SHEET 15 FOR CONCRETE FINISH DETAILS.



RIGID PAVEMENT DETAIL FOR EXTENDED DRIVEWAY

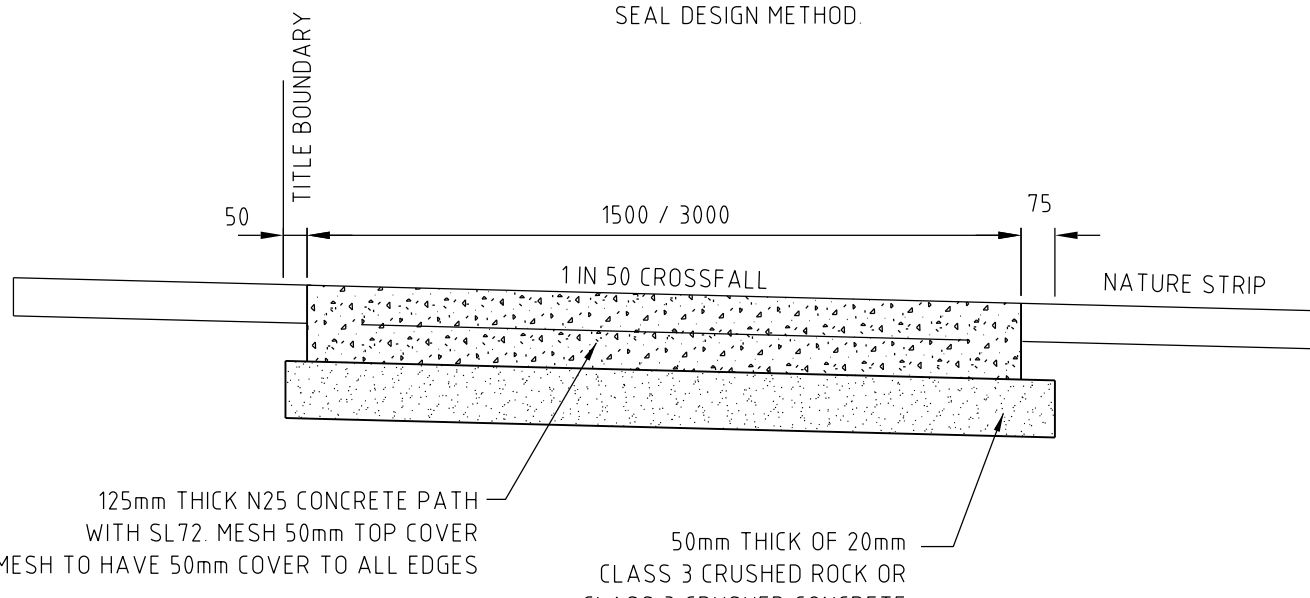
NOTE: ALL JOINTING TO BE AS PER C & C AA GUIDELINES.



NEW CONSTRUCTION

N T S

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



TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION

N T S

PAVEMENT DETAILS

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

THE DESIGN HAS BEEN EXTRACTED FROM THE COFFEY SERVICES AUSTRALIA 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 COFFEY SERVICES AUSTRALIA PTY LTD AND SENT TO SPIIRE.

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ABN 55 050 029 635



Designed
T. WONG
Authorised
M. LETSON

Checked
R. WEINBER
Date
16/01/19

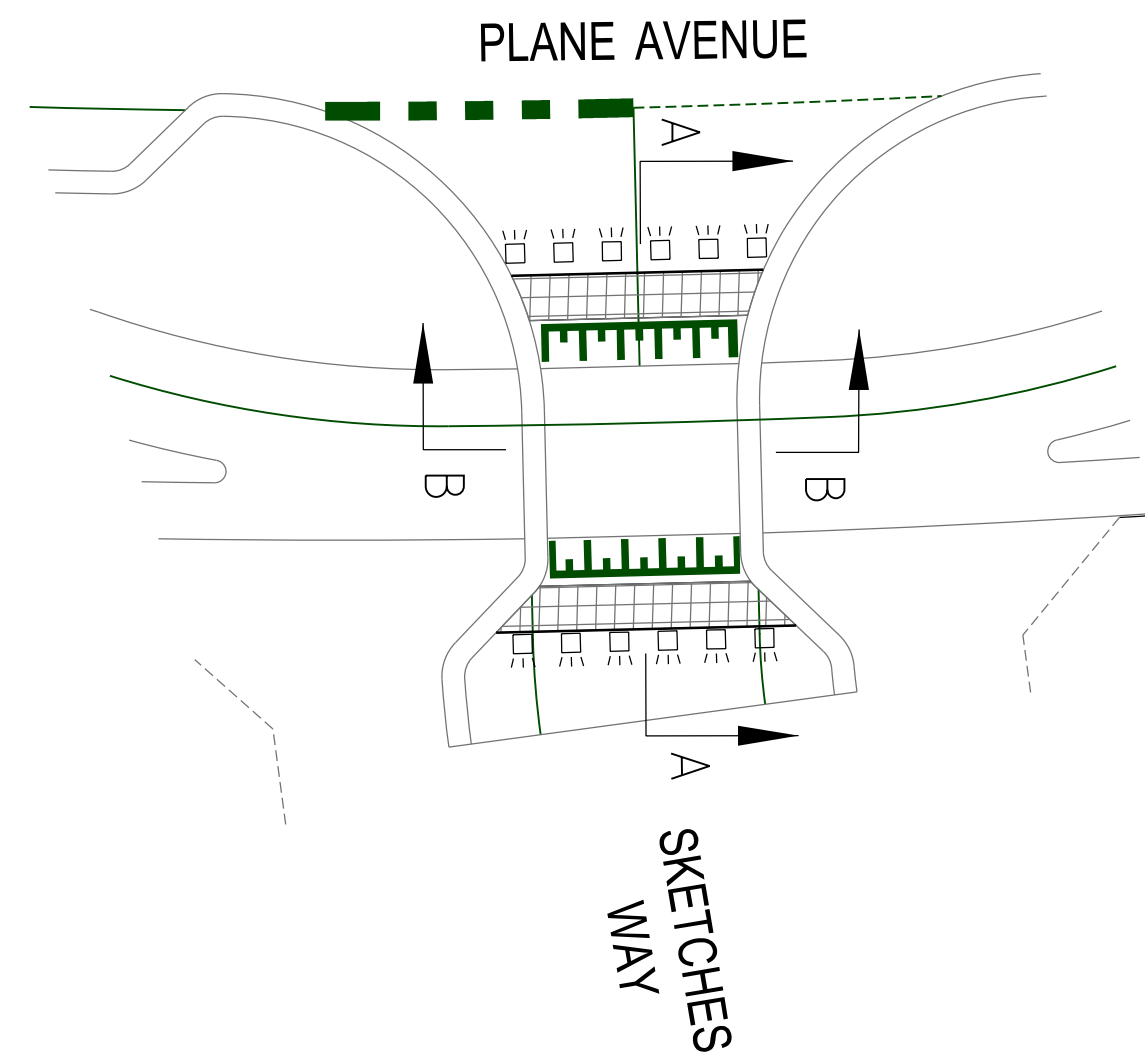
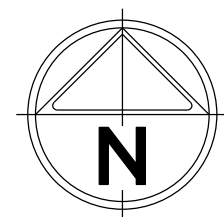
MAMBOURIN ESTATE
STAGE 7
PAVEMENT PLAN AND TYPICAL DETAILS

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

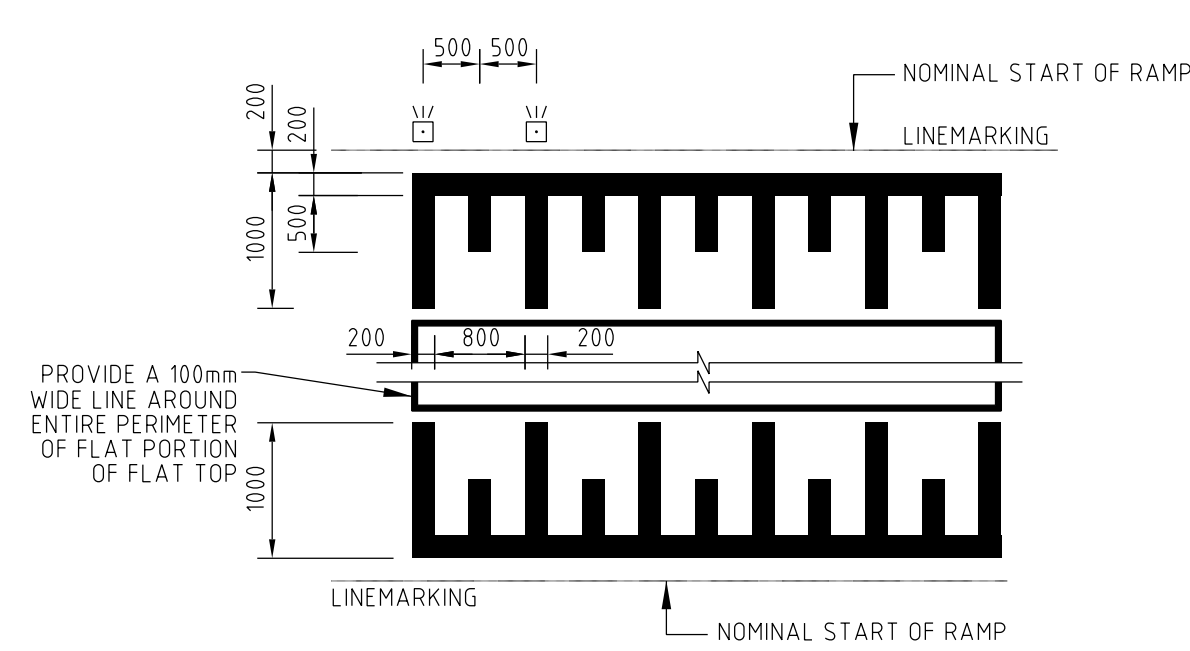
CONSTRUCTION Drg No 305172R22

Rev 2

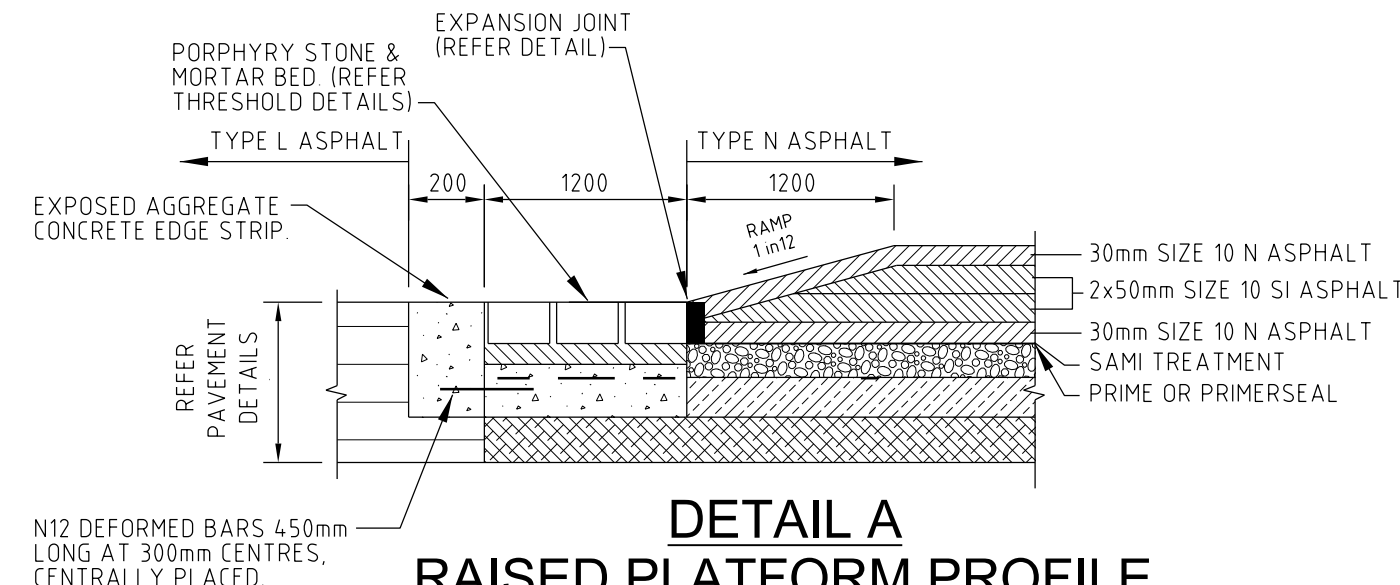
Rev	Amendments	Approved	Date
2	LOTS 708 TO 734 LAYOUT UPDATED. LOT NUMBERS UPDATED.	M.L.	24/06/19
1	CONNECTOR STREET PAVEMENT UPDATED	M.L.	05/06/19
0	CONSTRUCTION ISSUE	M.L.	27/05/19



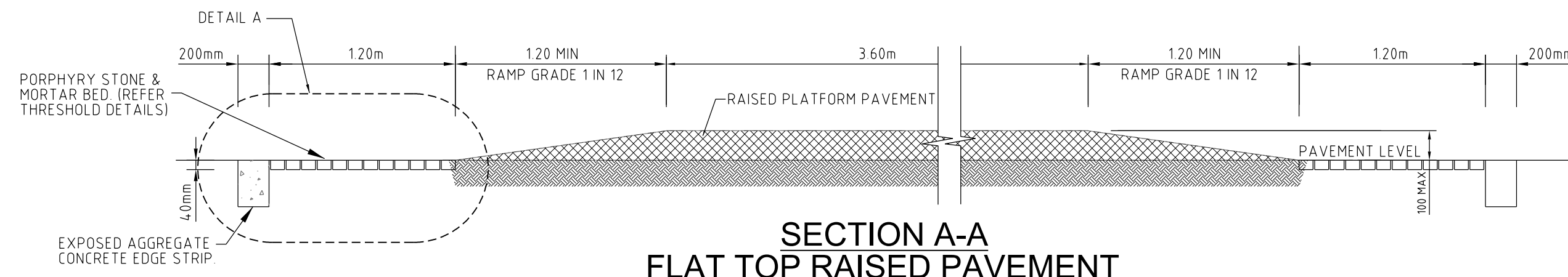
PLAN
FLAT TOP ROAD HUMPS
(SKETCHES WAY)



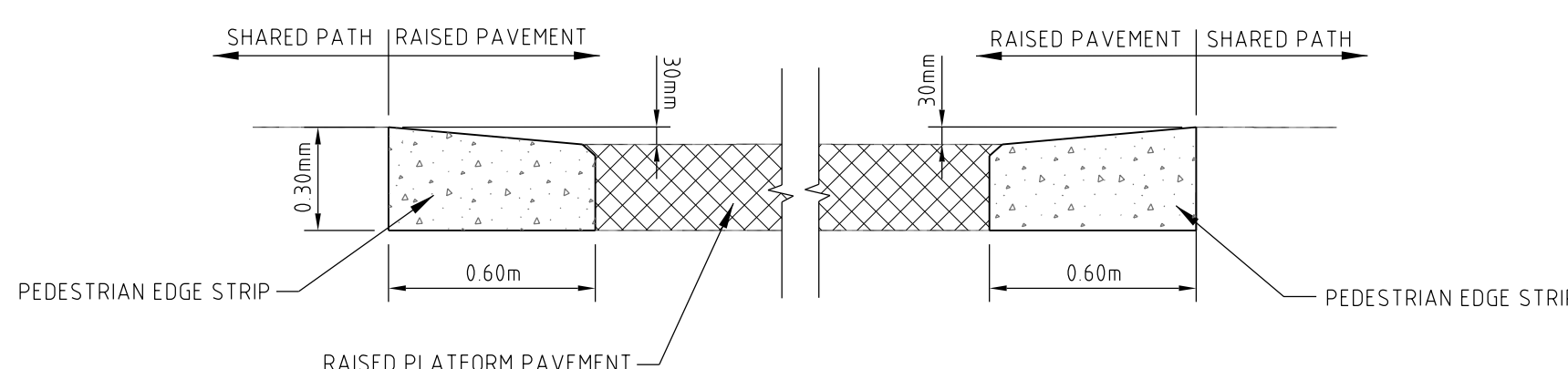
LINEMARKING DETAILS
NOT TO SCALE



DETAIL A
RAISED PLATFORM PROFILE
NOT TO SCALE



SECTION A-A
FLAT TOP RAISED PAVEMENT
NOT TO SCALE

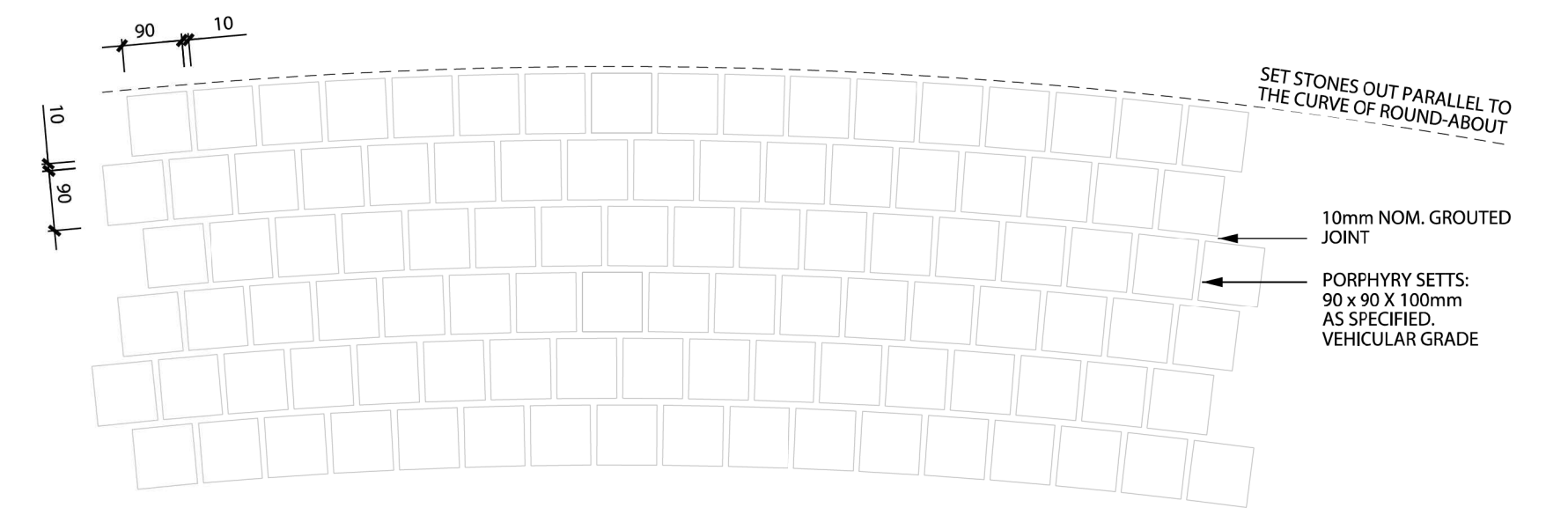


SECTION B-B
NOT TO SCALE



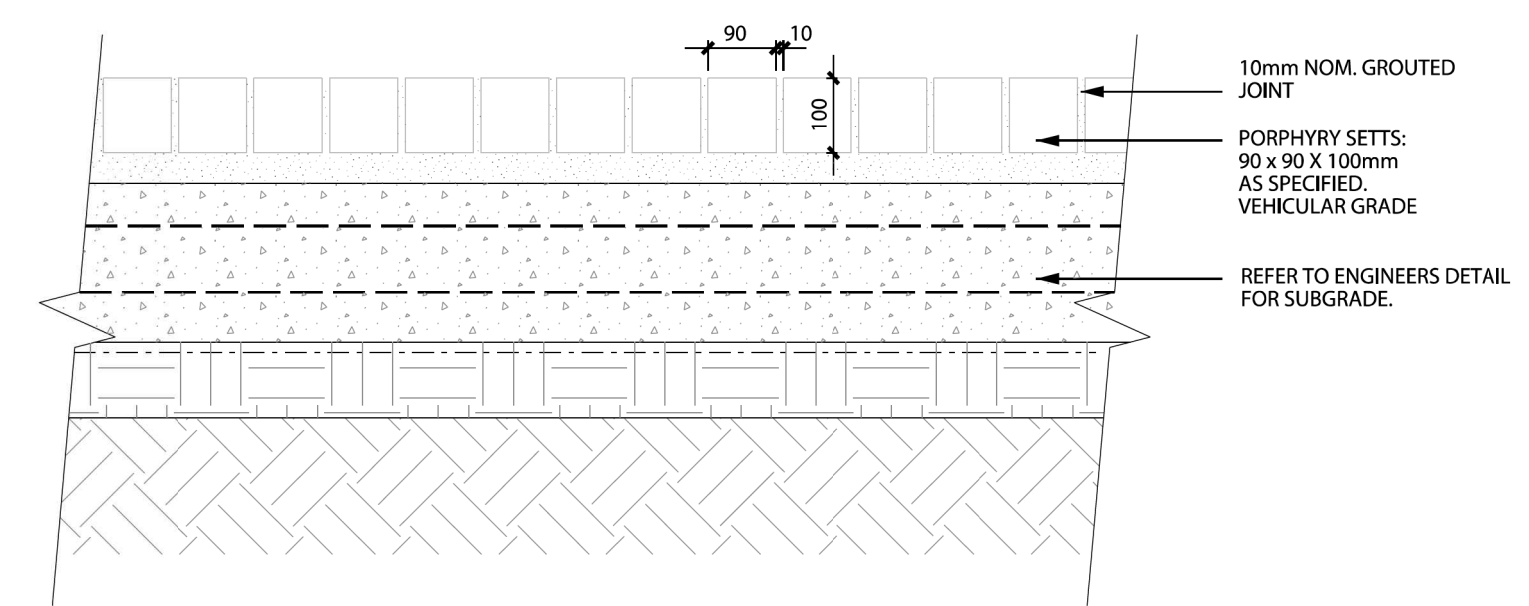
BASALT PORPHYRY STONE
(90X90mm WITH 10-15mm MORTAR GAP)

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



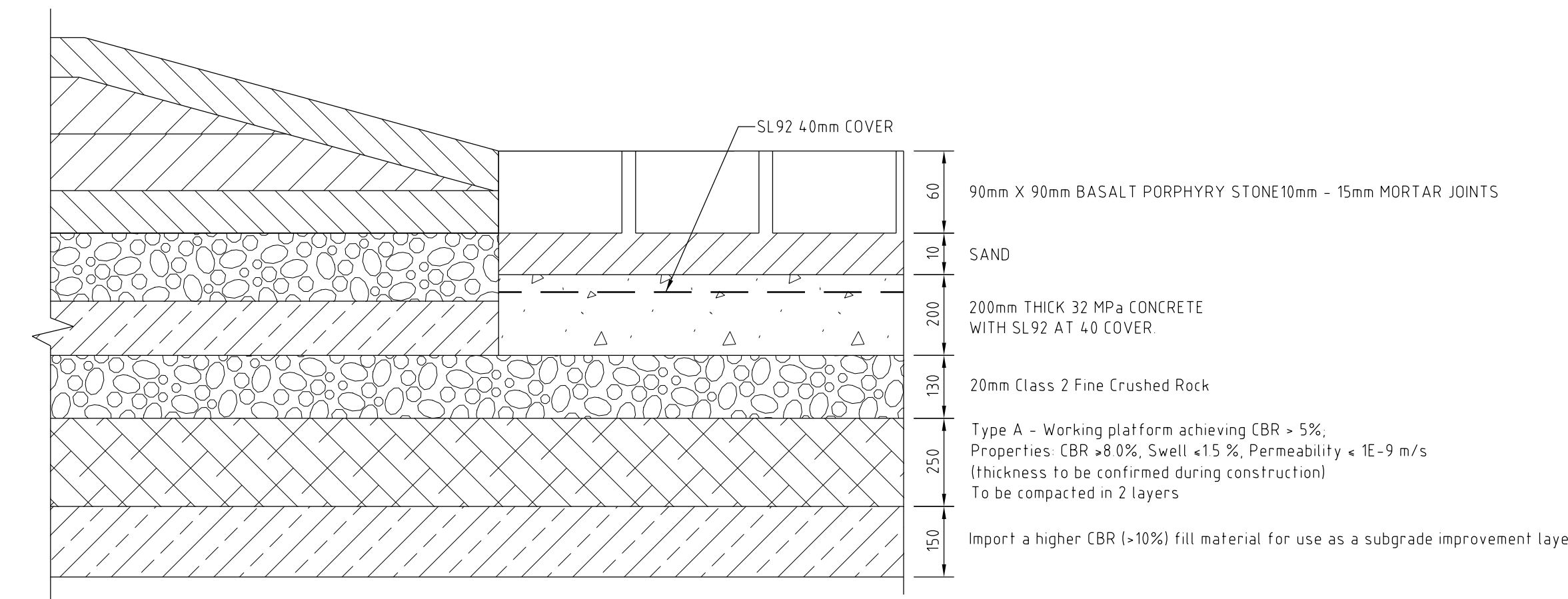
6A VEHICLE GRADE PORPHYRY SETTS
TYPICAL DETAIL PLAN

1:10



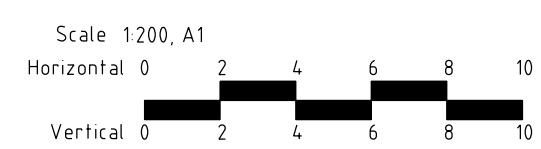
6B VEHICLE GRADE PORPHYRY SETTS
TYPICAL DETAIL SECTION

1:10



PORPHYRY STONE THRESHOLD DETAILS
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0	CONSTRUCTION ISSUE	M.L.	27/05/19



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Designed
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Checked
R. WEINBER
Date
16/01/19

MAMBOURIN ESTATE
STAGE 7
RAISED PAVEMENT DETAILS

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No
305172R23

Rev
0