

# MAMBOURIN STAGE 23 FRASERS PROPERTY LTD

## GENERAL NOTES:

- SURVEY**
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA MGA 94, 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 ±0.05m.
  - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS 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
- EARTHWORKS**
- 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 T.B.M.'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, 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
  - NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCIL'S PERMISSION.
- SERVICES**
- 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.
  - WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
  - TELSTRA ARE TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- STORM WATER DRAINAGE**
- AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
  - ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J.).
  - CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.2m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
24. WHERE CURVED PIPES 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.
- PAVEMENT**
- 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.
- SIGNAGE AND LINEMARKING**
- LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL 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.
- ENVIRONMENTAL**
- CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. 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.



LOCALITY PLAN  
H 14,000  
SCALE @ A1

## DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES	1	4
CR200	ROAD LAYOUT PLANS	2	4
CR201	SERVICES PLAN	3	4
CR300	ROAD LONG SECTIONS	4	2
CR400	SUSTAIN STREET CROSS SECTIONS - SHEET 1 OF 2	5	1
CR401	SUSTAIN STREET CROSS SECTIONS - SHEET 2 OF 2	6	1
CR402	MEDIUM LANE & TONAL STREET CROSS SECTIONS	7	3
CR500	INTERSECTION DETAILS	8	2
CR600	DRAINAGE LONG SECTIONS	9	1
CR601	DRAINAGE LONG SECTIONS, DETAILS & PIT SCHEDULE	10	3
CR700	PAVEMENT AND TYPICAL DETAILS	11	3
CR701	CONCRETE JOINTING DETAILS	12	4
CR800	SIGNAGE AND LINEMARKING	13	2

## LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OPTIC FIBRE	OF	OF
GAS MAIN	G	G
SEWER & MAINTENANCE STRUCTURE	S	S
CENTRAL INVERT	>	>
COUNCIL STORMWATER DRAIN AND PIT	[Symbol]	[Symbol]
STORM WATER DRAINAGE PROPERTY INLETS	[Symbol]	[Symbol]
COUNCIL STORM WATER PITS	[Symbol]	[Symbol]
HOUSE DRAIN	H	H
AG DRAIN AND FLUSHER	AG	AG
MWC STORM WATER DRAIN & PIT	[Symbol]	[Symbol]
MWC STORM WATER PITS	[Symbol]	[Symbol]
STORM WATER DRAINAGE PIT NUMBER	Ex.47	1
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING	[Symbol]	[Symbol]
HEAVY DUTY VEHICLE CROSSING	[Symbol]	[Symbol]
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	[Symbol]	[Symbol]
SIGN AND POST	[Symbol]	[Symbol]
LIGHT & POLE (BY OTHERS)	[Symbol]	[Symbol]
STREET SIGN	[Symbol]	[Symbol]
PERMANENT SURVEY MARK	[Symbol]	[Symbol]
TEMPORARY BENCH MARK	[Symbol]	[Symbol]
BOLLARD	[Symbol]	[Symbol]
ROAD CHAINAGES	CH116.57 (L/R)/TP CH116.57	CH116.57 (L/R)/TP CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT	[Symbol]	[Symbol]
LIMIT OF WORKS	[Symbol]	[Symbol]
BATTER	[Symbol]	[Symbol]
EXCAVATION GREATER THAN 0.20m	[Symbol]	[Symbol]
FILLING GREATER THAN 0.20m	[Symbol]	[Symbol]
ROCK BEACHING	[Symbol]	[Symbol]
FENCE - VEHICLE EXCLUSION	[Symbol]	[Symbol]
FENCES	[Symbol]	[Symbol]
TREE (& SURVEYED (CANOPY) TO BE RETAINED	[Symbol]	[Symbol]
TREE TO BE PROTECTED	[Symbol]	[Symbol]
TREE TO BE REMOVED	[Symbol]	[Symbol]
FOOTPATH	[Symbol]	[Symbol]
TACTILE GROUND SURFACE INDICATOR	[Symbol]	[Symbol]
KERB TRANSITION	[Symbol]	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.

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Rev	Description	By	Date
4	AS CONSTRUCTED	M.R	23/06/23
3	STREET NAME UPDATED	MI.R	24/02/23
2	RESERVE FOOTPATH LAYOUT AMENDED & CULVERTS ADDED	MI.R	17/02/23
1	LOT LAYOUT & CROSS SECTIONS AMENDED	MI.R	31/10/22
0	ISSUED FOR CONSTRUCTION	MI.R	05/09/22
B	PLANS AMENDED AS PER COUNCIL COMMENTS	M.R	18/08/22
A	PRELIMINARY ISSUE	MI.R	29/07/22
Rev	Amendments	Approved	Date



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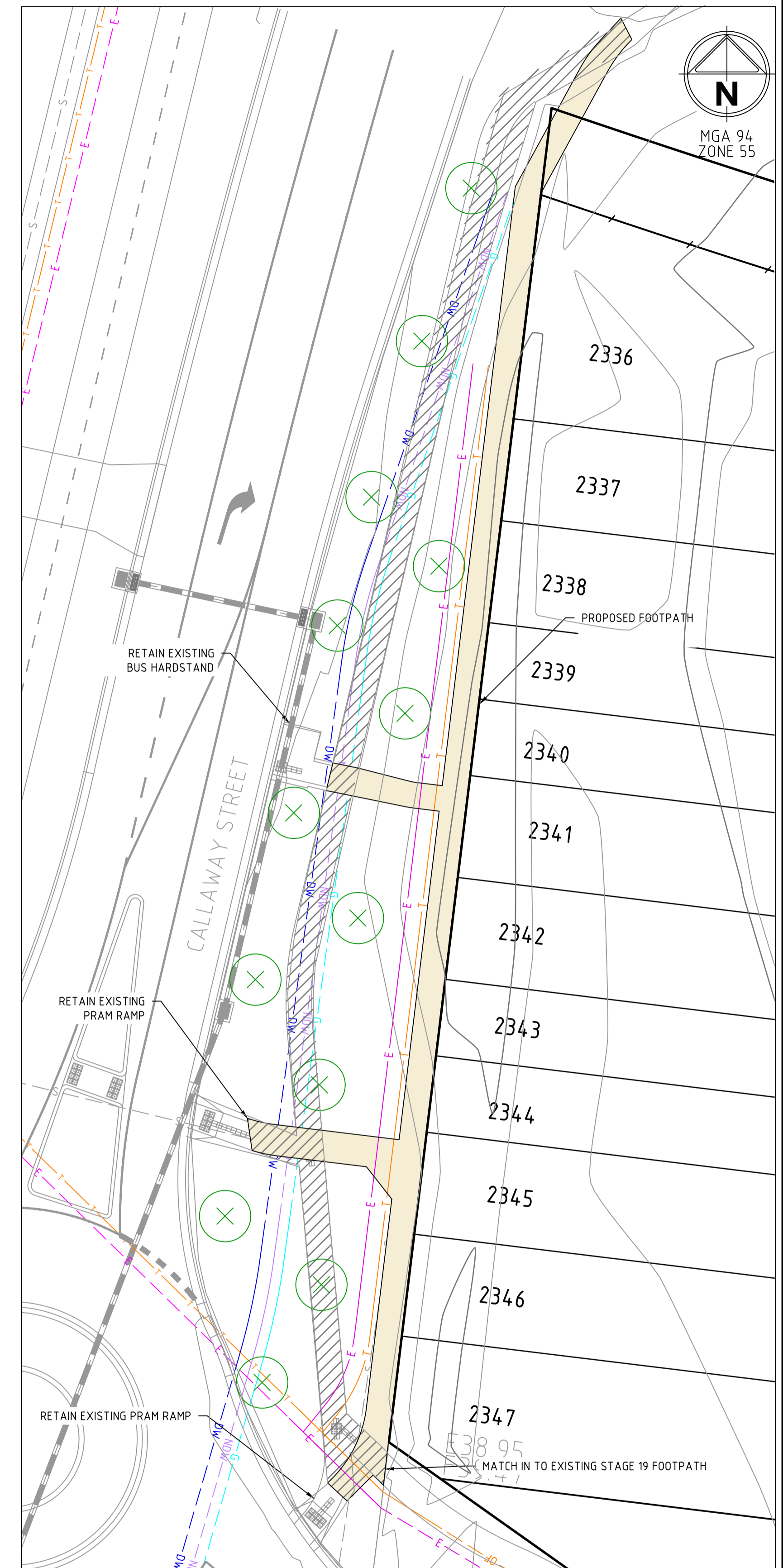
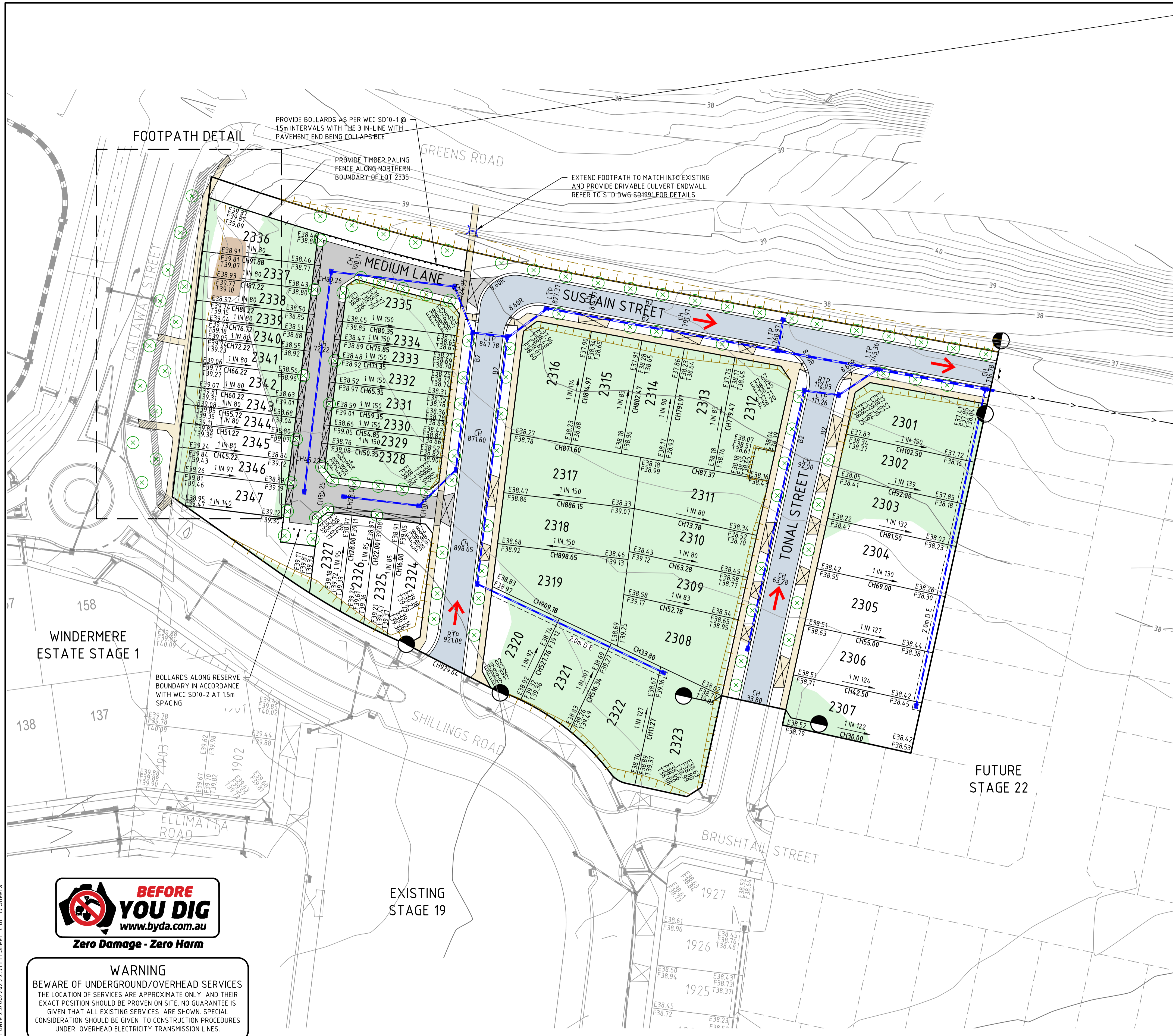
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K. FEARN-WANNAN  
Authorised  
G. KOHLMAN

**Mambourin**

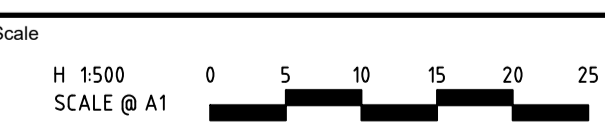
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Date  
17/02/23

**MAMBOURIN  
STAGE 23  
ROAD AND DRAINAGE  
GENERAL NOTES**  
WYNDHAM CITY COUNCIL  
FRASERS PROPERTY LTD

**AS CONSTRUCTED** Drg No **309510CR100** Rev **4**



Rev	Amendments	Approved	Date
4	AS CONSTRUCTED	M.R	23/06/23
3	STREET NAME UPDATED	M.R	24/02/23
2	RESERVE FOOTPATH LAYOUT AMENDED & CULVERTS ADDED	M.R	17/02/23
1	LOT LAYOUT AMENDED & KIOSK LOCATION ADDED	M.R	31/10/22
0	ISSUED FOR CONSTRUCTION	M.R	05/09/22
B	FENCING ADDED	M.R	18/08/22
A	PRELIMINARY ISSUE	M.R	29/07/22



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17/02/23

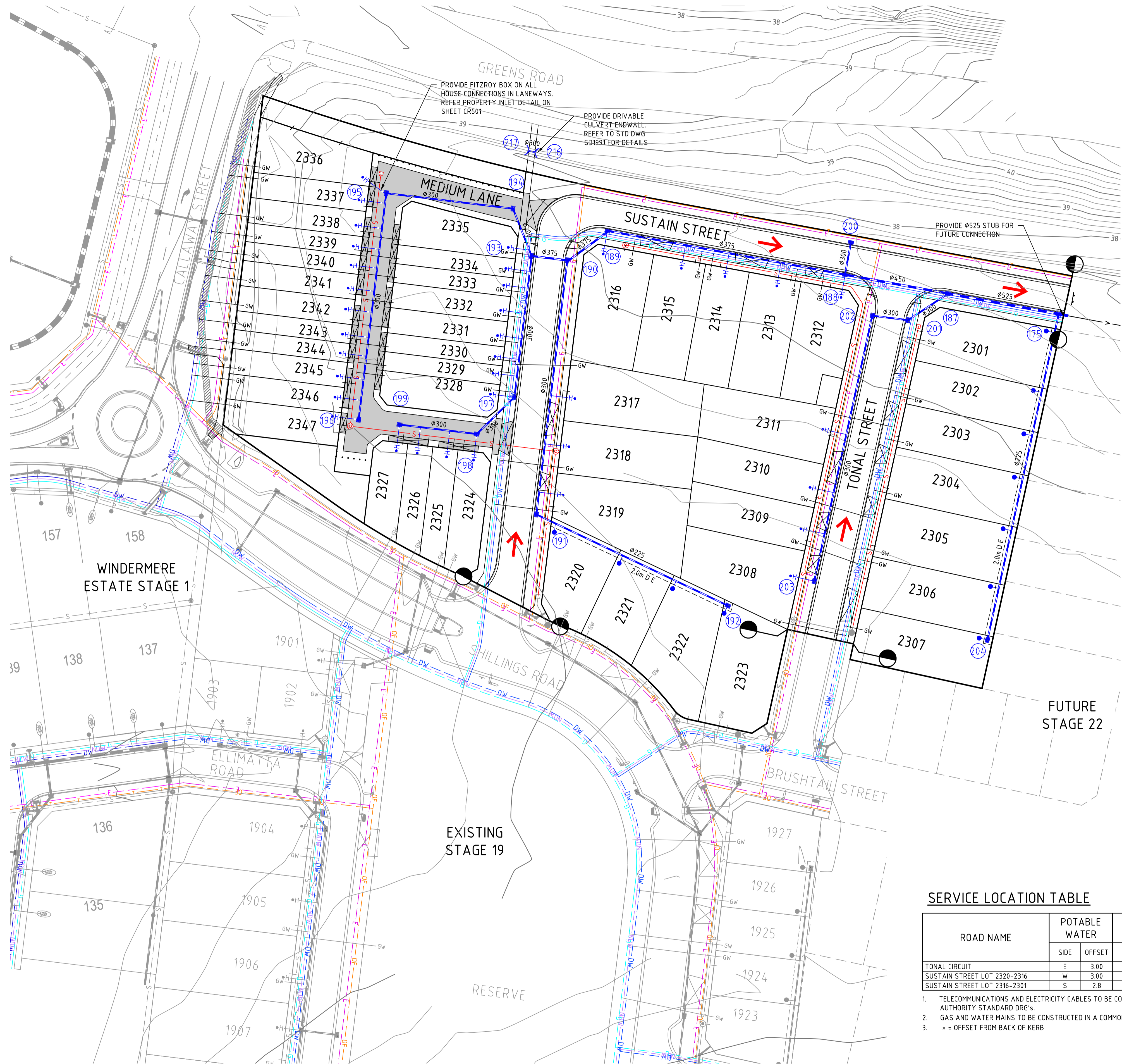
**MAMBOURIN STAGE 23**  
 ROAD AND DRAINAGE ROAD LAYOUT PLANS  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD  
**AS CONSTRUCTED**

Drg No  
**309510CR200**  
 Rev  
**4**

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**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.



PROVIDE FITZROY BOX ON ALL HOUSE CONNECTIONS IN LANWAYS. REFER PROPERTY-INLET DETAIL ON SHEET CR601

PROVIDE DRIVABLE CULVERT ENDWALL. REFER TO STD DWG 561991 FOR DETAILS

PROVIDE Ø525 STUB FOR FUTURE CONNECTION

WINDERMERE ESTATE STAGE 1

FUTURE STAGE 22

EXISTING STAGE 19

RESERVE



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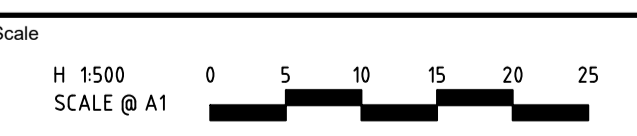
SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY		RECYCLED WATER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	U/G CABLE SIDE	OFFSET	SIDE	OFFSET
TONAL CIRCUIT	E	3.00	E	2.10	W	1.85	W	2.45	E	2.50
SUSTAIN STREET LOT 2320-2316	W	3.00	W	2.10	E	1.85	E	2.45	W	2.50
SUSTAIN STREET LOT 2316-2301	S	2.8	S	2.00	N	0.2	N	0.70	S	2.4

- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- x = OFFSET FROM BACK OF KERB

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Rev	Amendments	Approved	Date
4	AS CONSTRUCTED	M.R	23/06/23
3	STREET NAME UPDATED	M.I.R	24/02/23
2	RESERVE FOOTPATH LAYOUT AMENDED & CULVERTS ADDED	M.I.R	17/02/23
1	LOT LAYOUT AMENDED & KIOSK LOCATION ADDED	M.I.R	31/10/22
0	ISSUED FOR CONSTRUCTION	M.I.R	05/09/22
A	PRELIMINARY ISSUE	M.I.R	29/07/22



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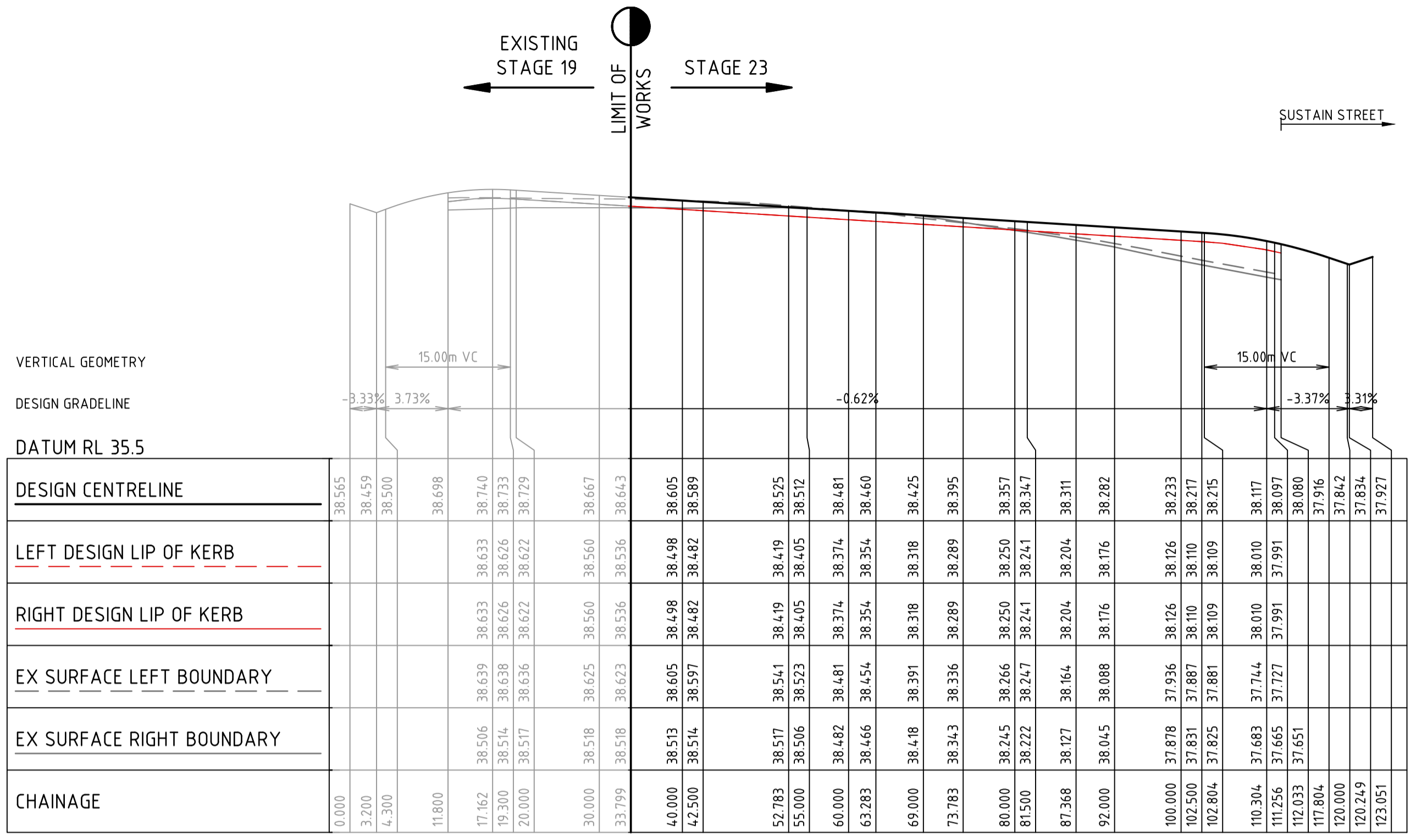


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Date  
17/02/23

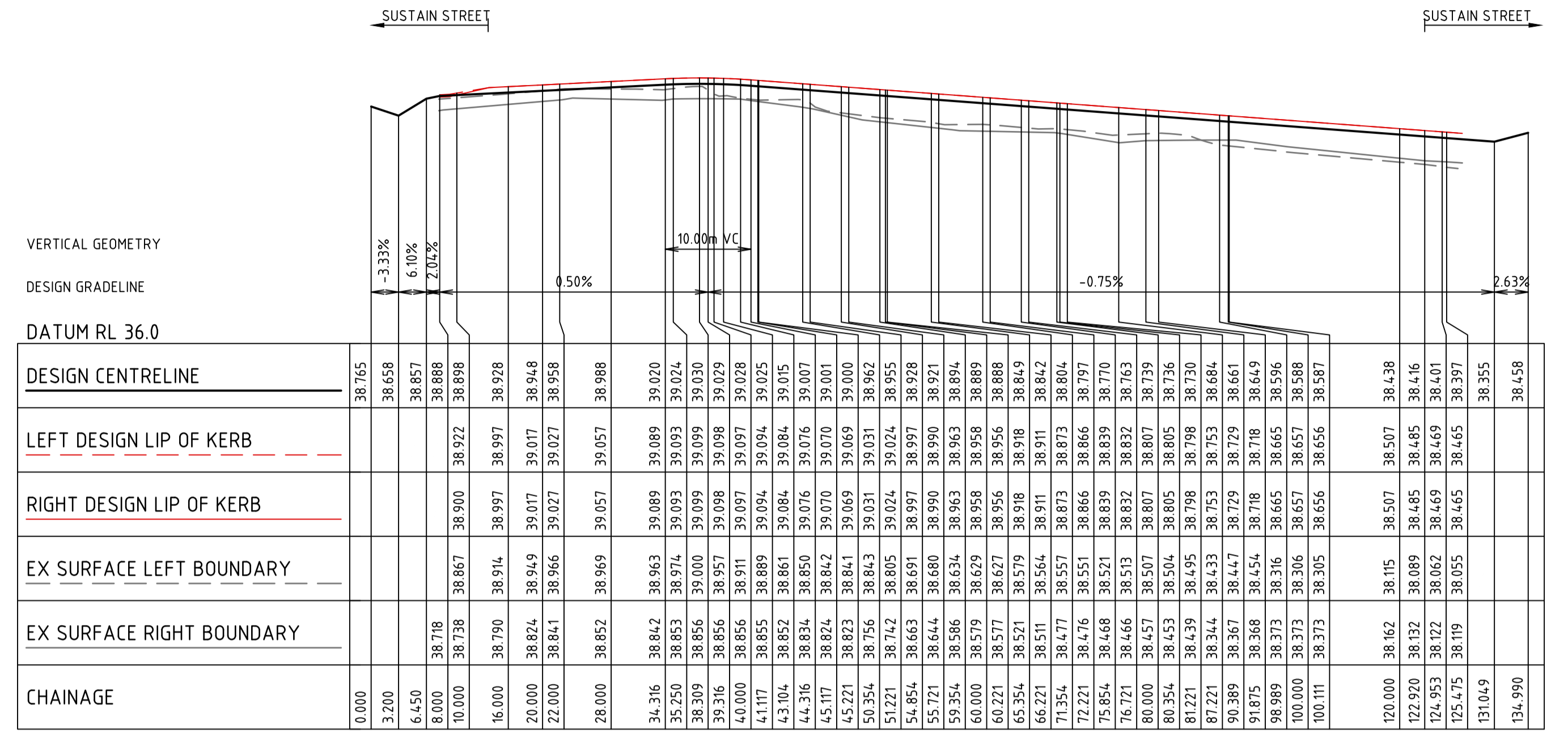
**MAMBOURIN**  
**STAGE 23**  
**ROAD AND DRAINAGE**  
**SERVICES PLAN**  
WYNDHAM CITY COUNCIL  
FRASERS PROPERTY LTD

**AS CONSTRUCTED** Drg No **309510CR201** Rev **4**

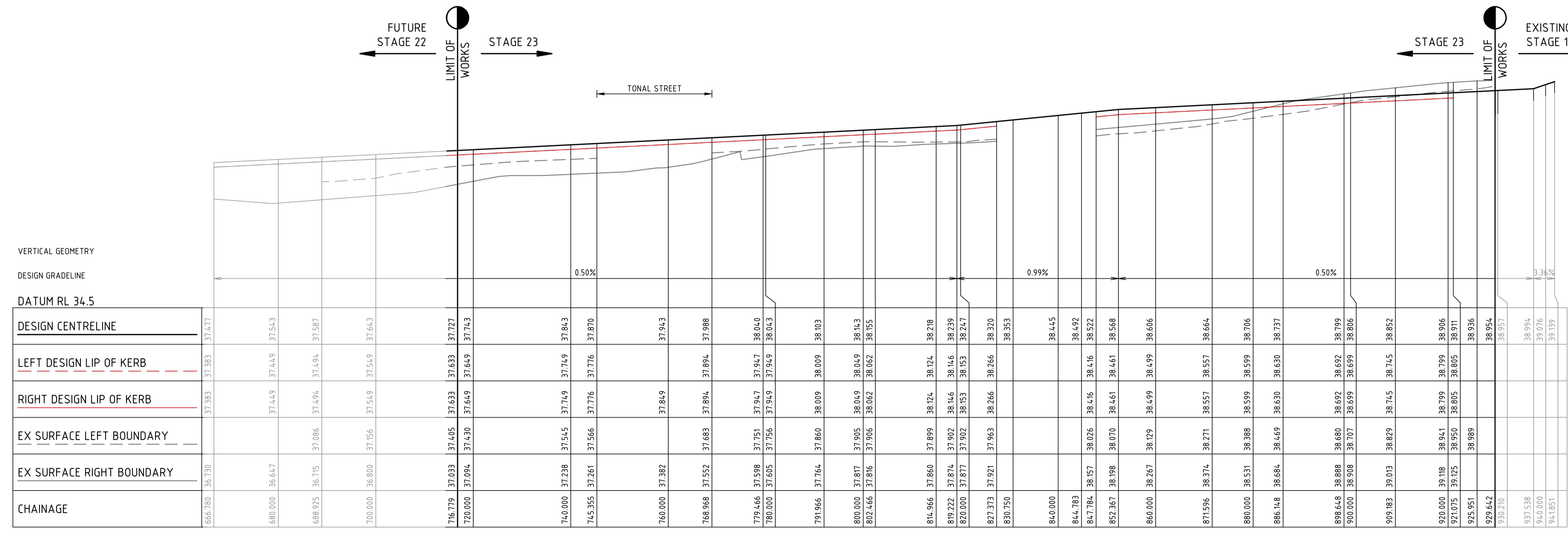
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TONAL STREET

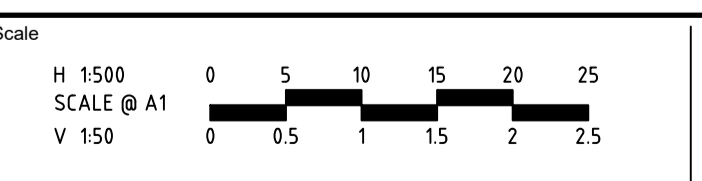


MEDIUM LANE



SUSTAIN STREET

Rev	Amendments	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	STREET NAME UPDATED	MLR	24/02/23
0	ISSUED FOR CONSTRUCTION	MLR	05/09/22
A	PRELIMINARY ISSUE	MLR	29/07/22



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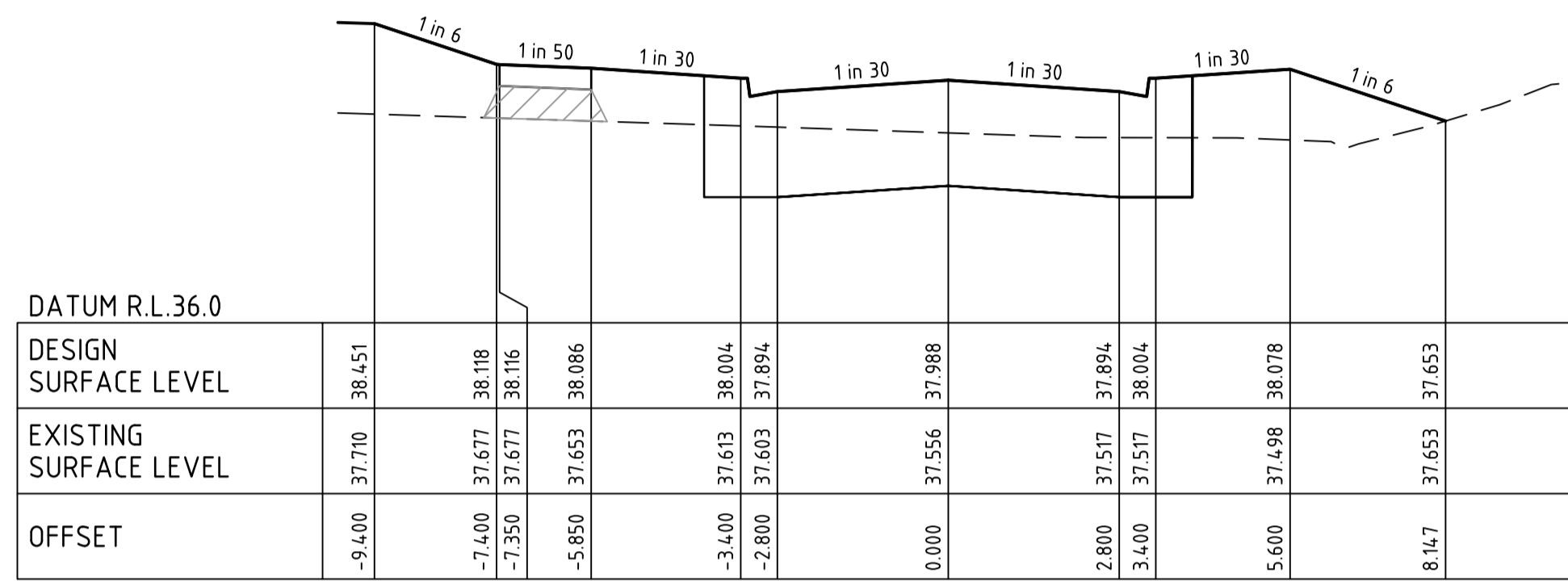
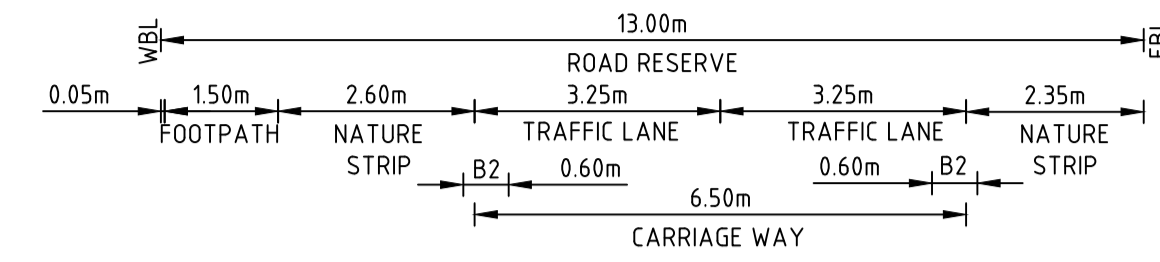
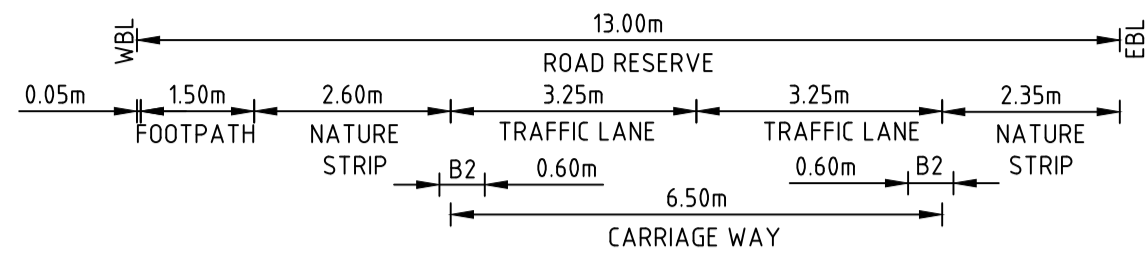
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 G. KOHLMAN
   
 Date  
 17/02/23

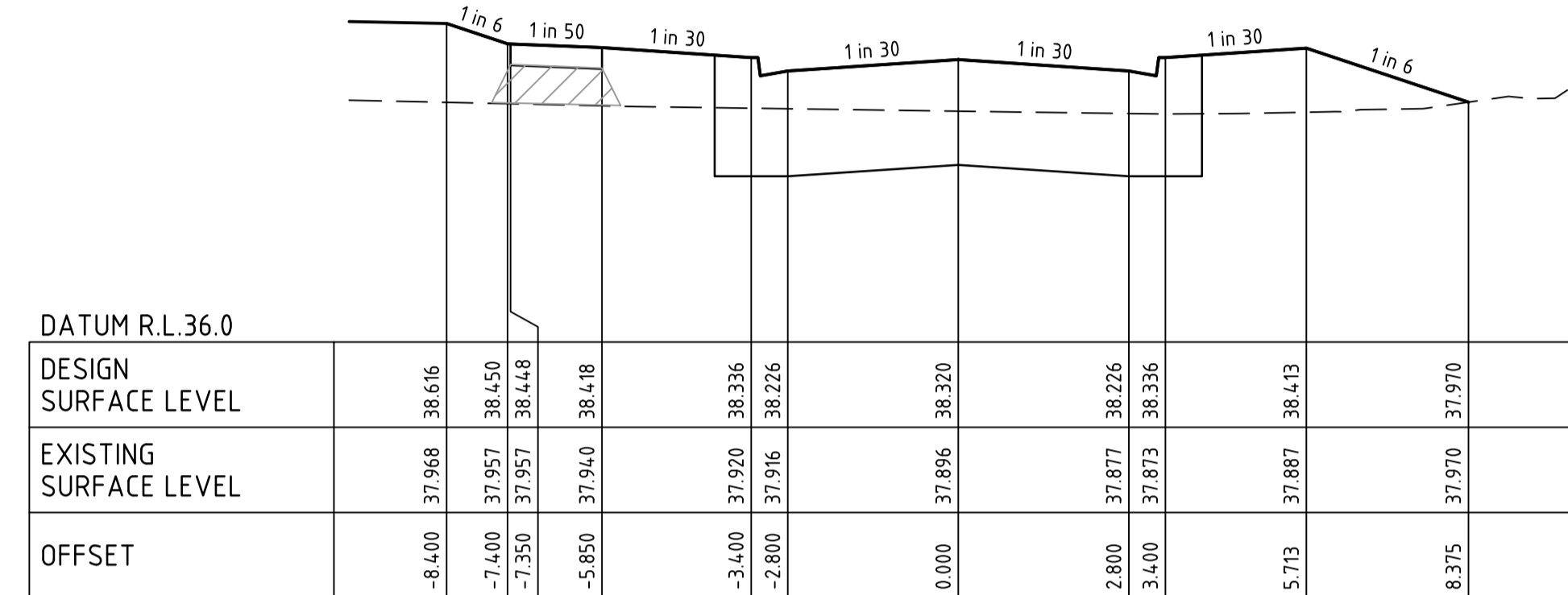
**MAMBOURIN**  
**STAGE 23**  
 ROAD AND DRAINAGE  
 ROAD LONG SECTIONS  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD
   
**AS CONSTRUCTED**
  
 Drg No **309510CR300**
  
 Rev **2**

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

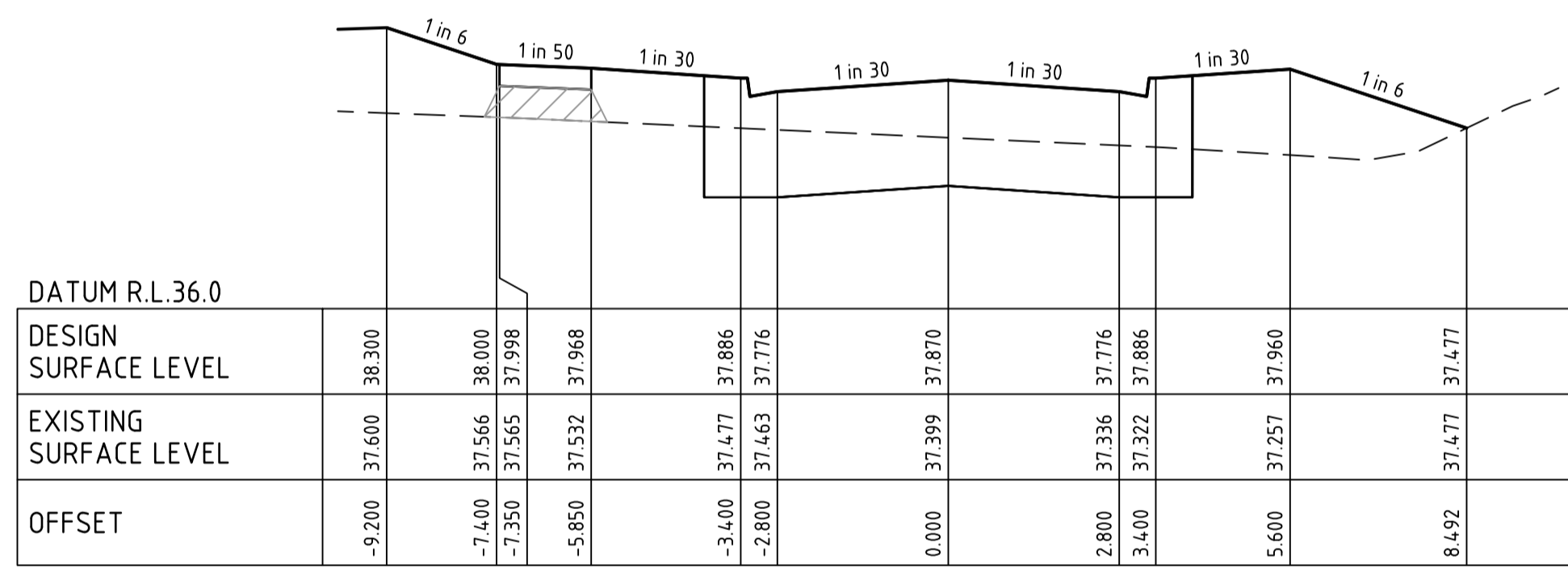
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



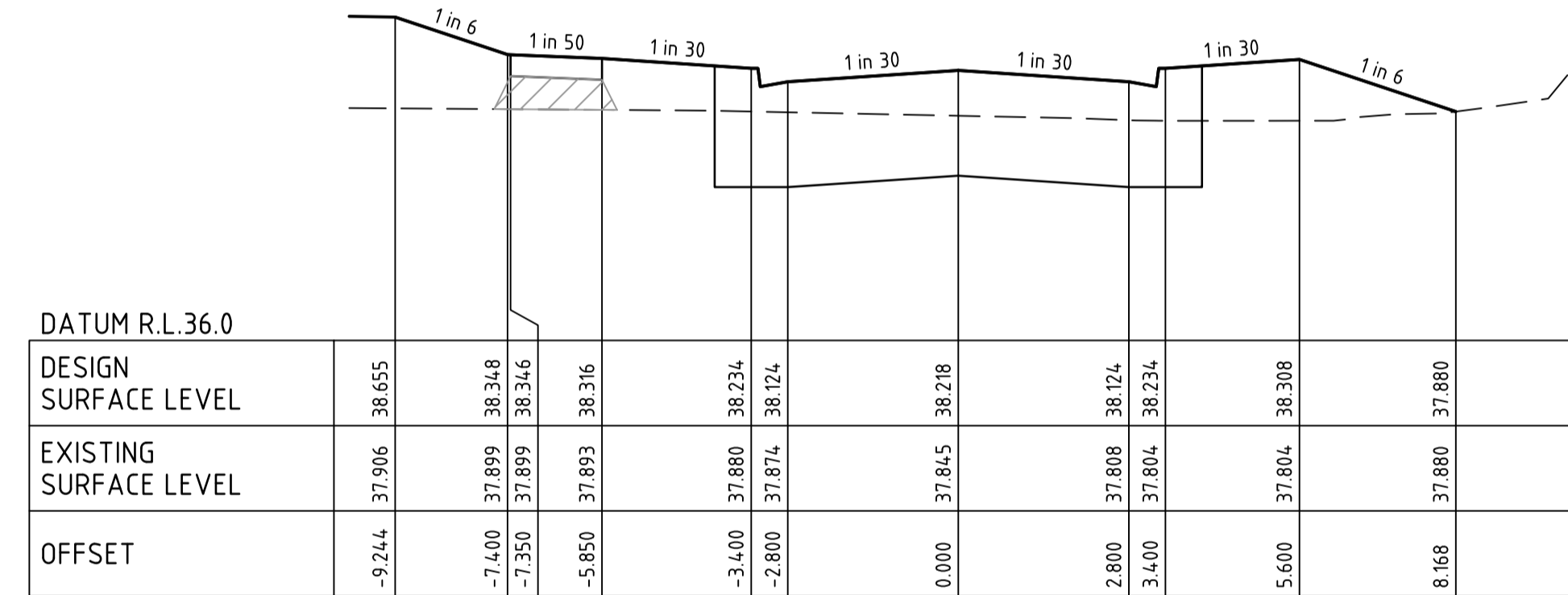
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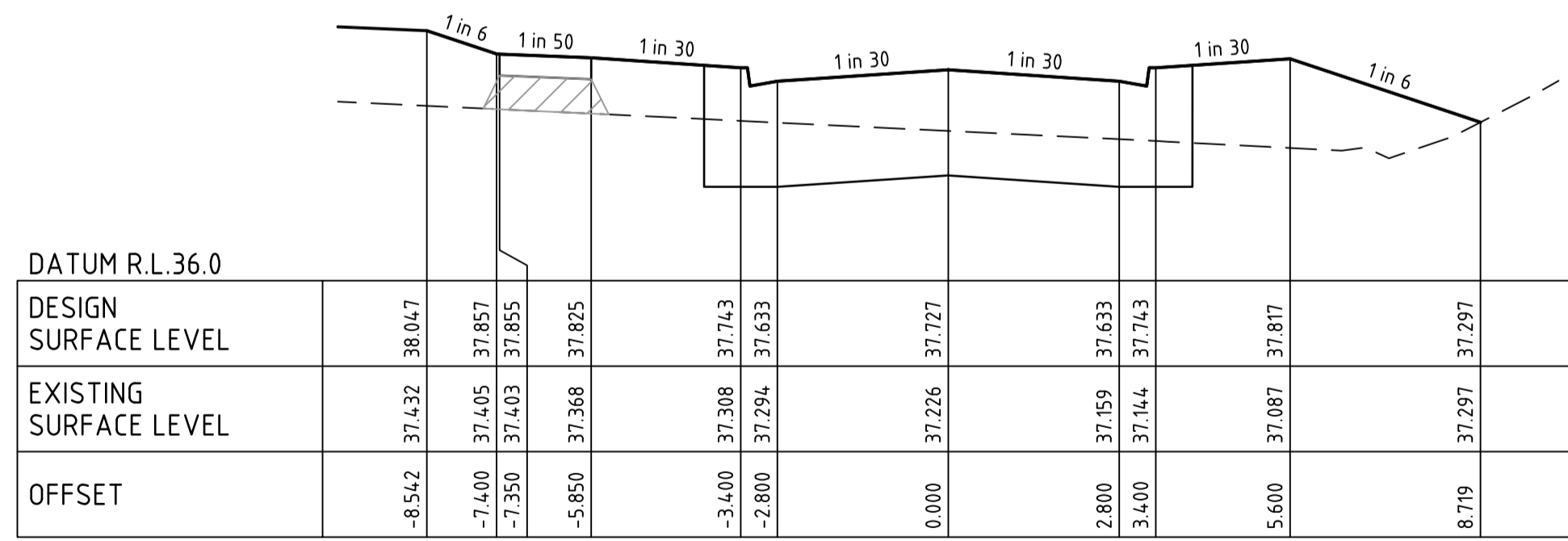
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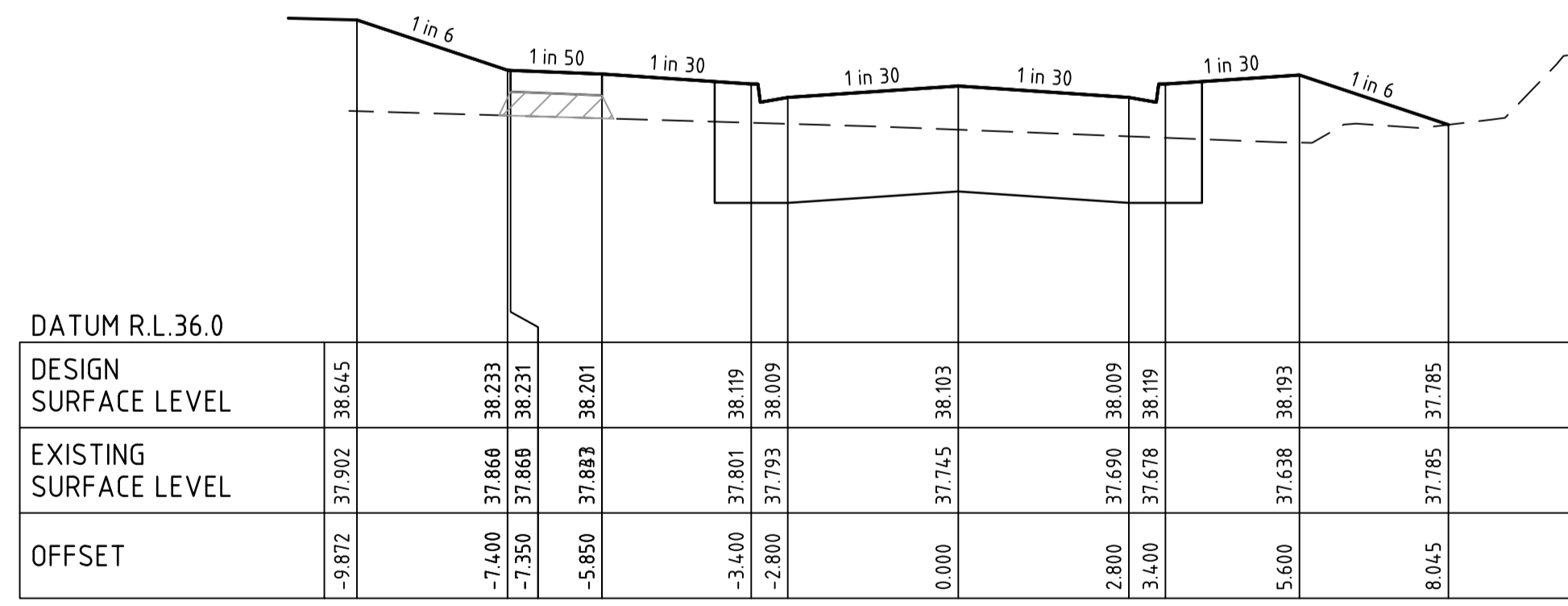
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SUSTAIN STREET CH 814.97



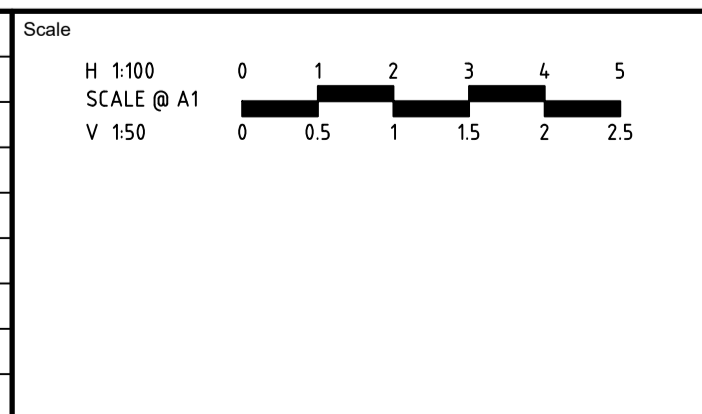
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SUSTAIN STREET CH 791.97


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Rev	Description	Approved	Date
1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.L.R	05/09/22
B	SUSTAIN STREET SECTIONS AMENDED	M.R	18/08/22
A	PRELIMINARY ISSUE	M.L.R	29/07/22
	Amendments		



  
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 L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE  
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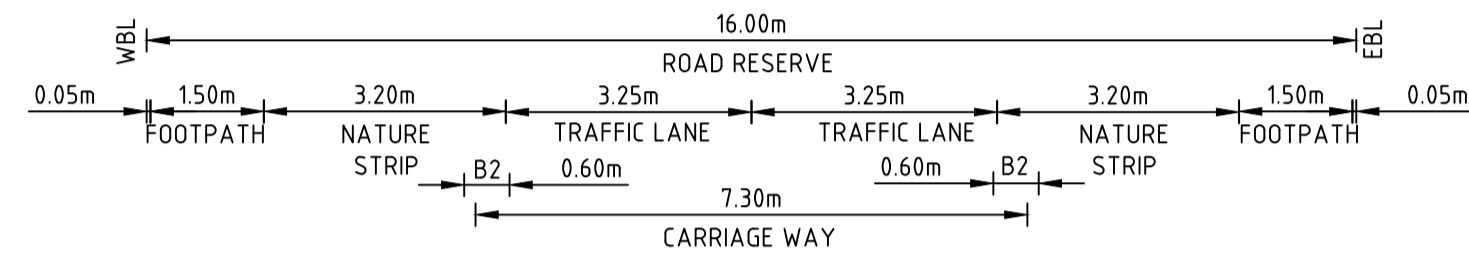
  
 Designed  
 K. FEARN-WANNAN  
 Authorised  
 G. KOHLMAN  
 Checked  
 G. KOHLMAN  
 Date  
 17/02/23

**MAMBOURIN**  
**STAGE 23**  
 ROAD AND DRAINAGE  
 SUSTAIN STREET CROSS SECTIONS - SHEET 1 OF 2  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD  
**AS CONSTRUCTED** Drg No 309510CR400 Rev 1

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.



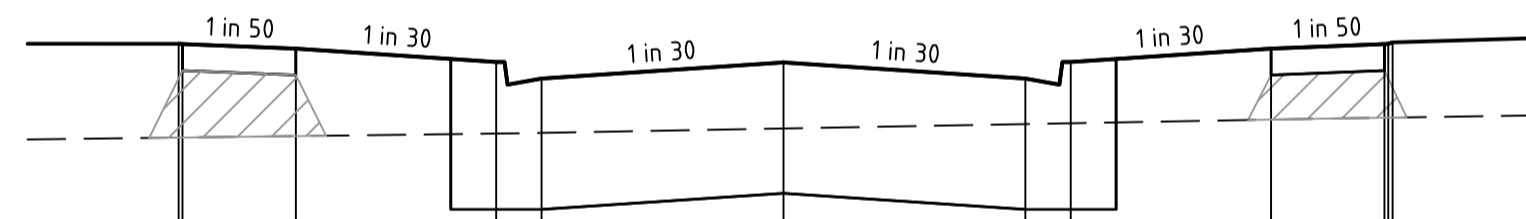
STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



DATUM R.L.37.0		
DESIGN SURFACE LEVEL		
EXISTING SURFACE LEVEL		
OFFSET		

SUSTAIN STREET

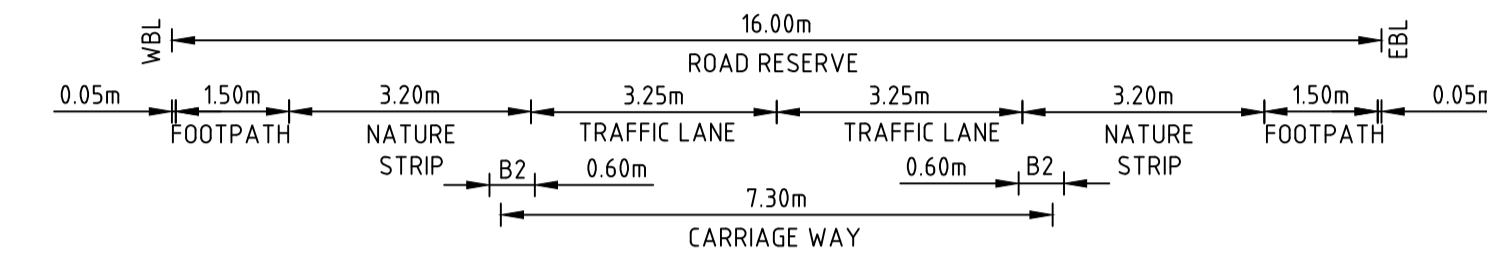
CH 871.60



DATUM R.L.37.0		
DESIGN SURFACE LEVEL		
EXISTING SURFACE LEVEL		
OFFSET		

SUSTAIN STREET

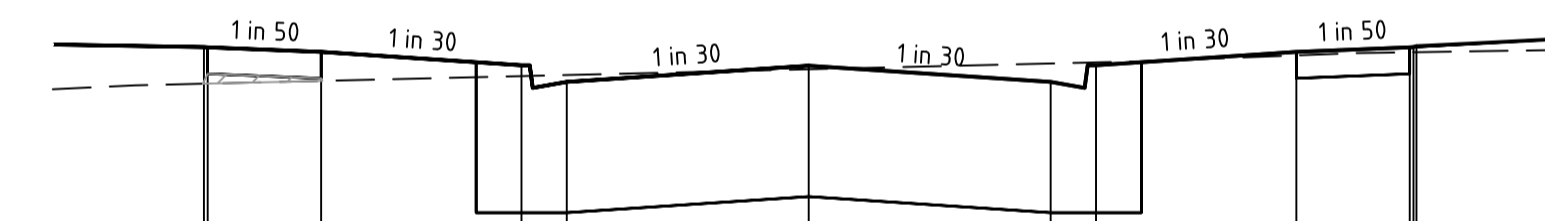
CH 84.78



DATUM R.L.37.0		
DESIGN SURFACE LEVEL		
EXISTING SURFACE LEVEL		
OFFSET		

SUSTAIN STREET

CH 921.08



DATUM R.L.37.0		
DESIGN SURFACE LEVEL		
EXISTING SURFACE LEVEL		
OFFSET		

SUSTAIN STREET

CH 898.65

Rev	Description	M.R	Date
1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.I.R	05/09/22
A	PRELIMINARY ISSUE	M.I.R	29/07/22
	Amendments	Approved	Date

Scale

H 1:100  
SCALE @ A1  
V 1:50

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Designed  
K. FEARN-WANNAN

Authorised  
G. KOHLMAN

Checked  
G. KOHLMAN

Date  
17/02/23

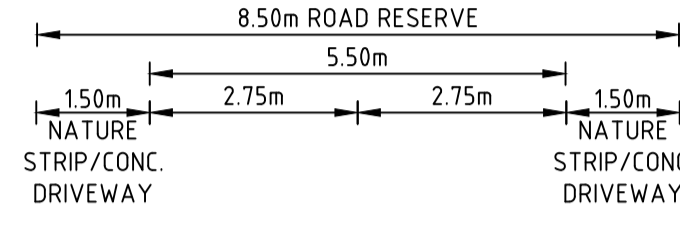
**MAMBOURIN  
 STAGE 23  
 ROAD AND DRAINAGE  
 SUSTAIN STREET CROSS SECTIONS - SHEET 2 OF 2**  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD

**AS CONSTRUCTED**

Dwg No **309510CR401** Rev **1**

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

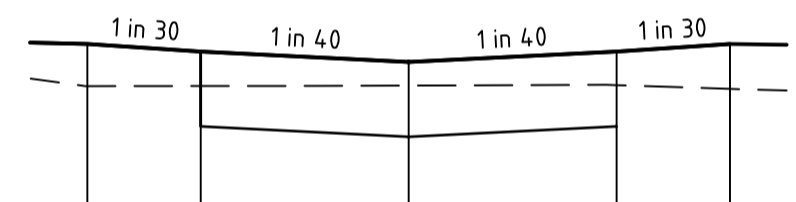
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



DATUM R.L.37.0

DESIGN SURFACE LEVEL	38.916	38.866	38.797	38.866	38.916
EXISTING SURFACE LEVEL	38.551	38.532	38.496	38.460	38.476
OFFSET	-4.250	-2.750	0.000	2.750	4.250

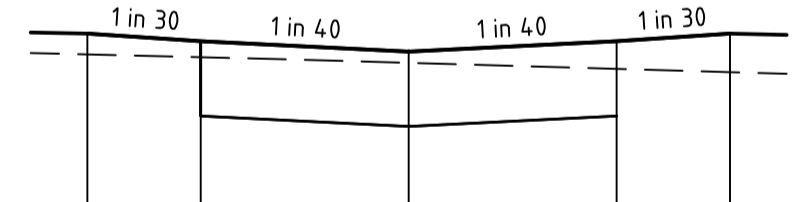
MEDIUM LANE CH 72.22



DATUM R.L.38.0

DESIGN SURFACE LEVEL	39.119	39.069	39.000	39.069	39.119
EXISTING SURFACE LEVEL	38.841	38.841	38.844	38.847	38.823
OFFSET	-4.250	-2.750	0.000	2.750	4.250

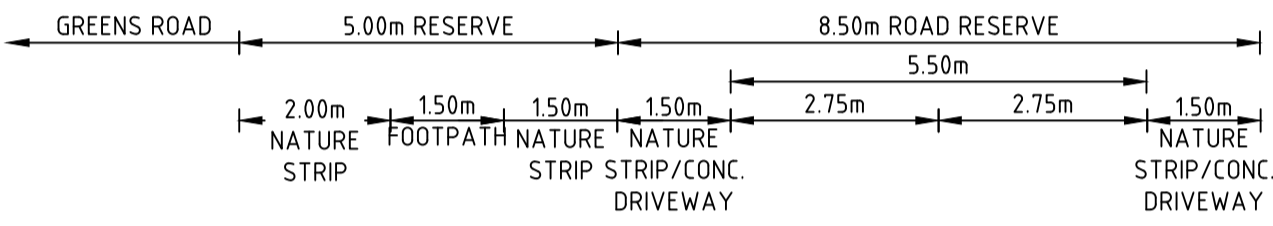
MEDIUM LANE CH 45.22



DATUM R.L.37.0

DESIGN SURFACE LEVEL	39.107	39.057	38.988	39.057	39.107
EXISTING SURFACE LEVEL	38.969	38.951	38.914	38.874	38.852
OFFSET	-4.250	-2.750	0.000	2.750	4.250

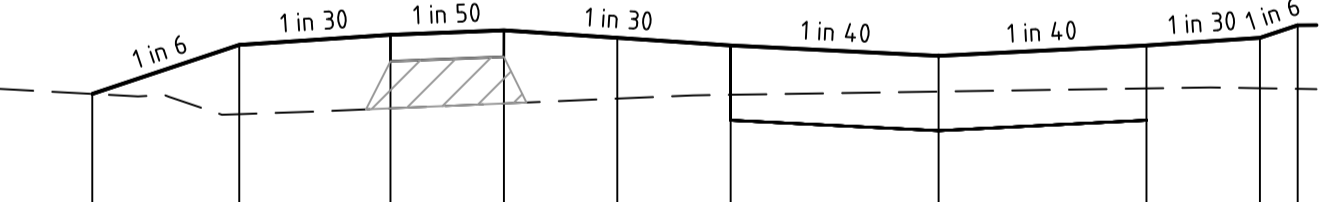
MEDIUM LANE CH 28.00



DATUM R.L.37.0

DESIGN SURFACE LEVEL	37.959	38.473	38.539	38.569	38.519	38.469	38.401	38.469	38.519
EXISTING SURFACE LEVEL	37.959	38.039	38.057	38.060	38.062	38.064	38.085	38.108	38.122
OFFSET	-12.330	-9.250	-7.250	-5.750	-4.250	-2.750	0.000	2.750	4.250

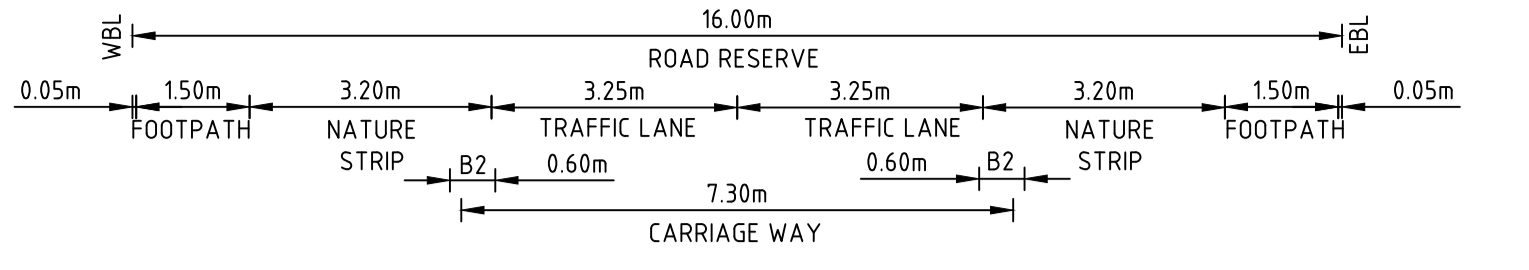
MEDIUM LANE CH 124.95



DATUM R.L.37.0

DESIGN SURFACE LEVEL	38.335	38.659	38.726	38.756	38.706	38.656	38.587	38.656	38.706	38.789
EXISTING SURFACE LEVEL	38.335	38.202	38.240	38.272	38.305	38.330	38.351	38.372	38.373	38.369
OFFSET	-11.195	-9.250	-7.250	-5.750	-4.250	-2.750	0.000	2.750	4.250	4.750

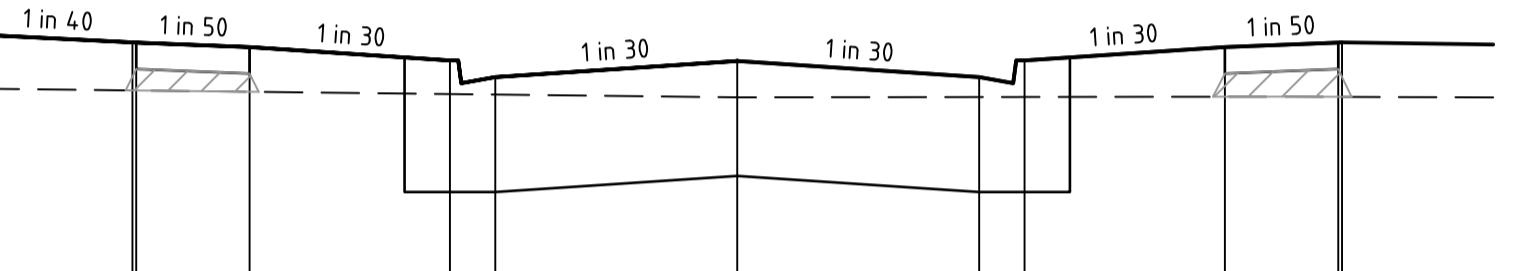
MEDIUM LANE CH 100.11



DATUM R.L.36.0

DESIGN SURFACE LEVEL		38.221	38.219	38.189	38.101	37.991	38.097	37.991	38.101	38.189	38.219	38.221	38.221	38.221
EXISTING SURFACE LEVEL		37.727	37.727	37.720	37.709	37.706	37.694	37.683	37.681	37.671	37.666	37.665	37.663	37.663
OFFSET		-8.000	-7.950	-6.450	-3.800	-3.200	0.000	3.200	3.800	6.450	7.950	8.000	8.000	8.000

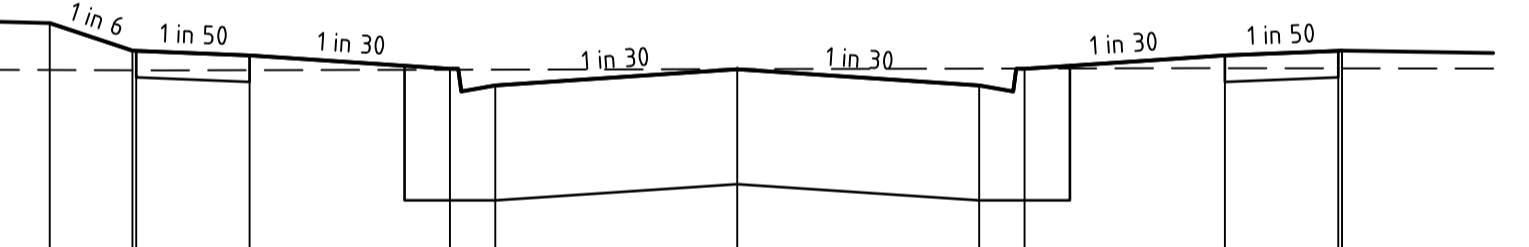
TONAL STREET CH 111.26



DATUM R.L.36.0

DESIGN SURFACE LEVEL		38.406	38.404	38.374	38.286	38.176	38.282	38.176	38.286	38.374	38.404	38.406	38.406	38.406
EXISTING SURFACE LEVEL		38.088	38.087	38.079	38.064	38.060	38.042	38.044	38.044	38.046	38.045	38.045	38.045	38.045
OFFSET		-8.000	-7.950	-6.450	-3.800	-3.200	0.000	3.200	3.800	6.450	7.950	8.000	8.000	8.000

TONAL STREET CH 92.00



DATUM R.L.37.0

DESIGN SURFACE LEVEL		38.766	38.584	38.582	38.552	38.464	38.460	38.354	38.464	38.552	38.582	38.584	38.584	38.584
EXISTING SURFACE LEVEL		38.456	38.454	38.454	38.454	38.457	38.458	38.458	38.461	38.467	38.466	38.466	38.466	38.466
OFFSET		-9.094	-8.000	-7.950	-6.450	-3.800	-3.200	0.000	3.200	3.800	6.450	7.950	8.000	8.000

TONAL STREET CH 63.28



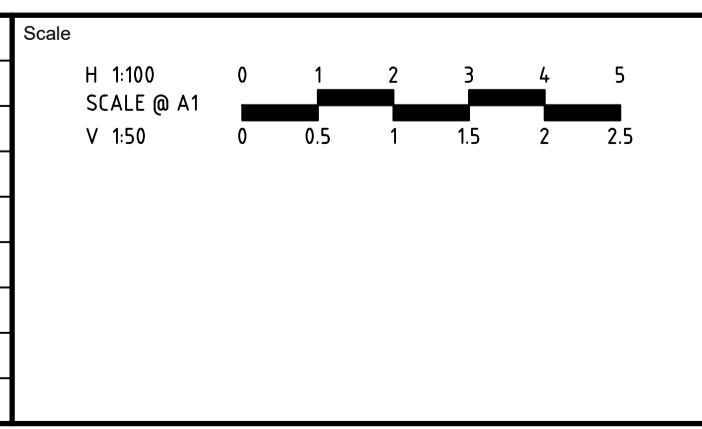
DATUM R.L.37.0


DESIGN SURFACE LEVEL		39.033	38.766	38.735	38.646	38.536	38.643	38.536	38.646	38.735	38.765	38.766	38.766	38.766
EXISTING SURFACE LEVEL		38.631	38.623	38.622	38.615	38.599	38.595	38.585	38.573	38.529	38.519	38.518	38.518	38.518
OFFSET		-9.600	-8.000	-7.950	-6.450	-3.800	-3.200	0.000	3.200	3.800	6.450	7.950	8.000	8.000

TONAL STREET CH 33.80


file name: 309510CR402.dwg, layout name: CR402, plotted by: Kevin Nguyen, file location: G:\309510\309510\1\309510\309510.dwg, plot date: 23/06/2023 12:32 PM, Sheet 7 of 13 Sheets

Rev	Description	Approved	Date
3	AS CONSTRUCTED	M.R	23/06/23
2	STREET NAME UPDATED	ML.R	24/02/23
1	SIGHT LANE SECTIONS AMENDED	ML.R	31/10/22
0	ISSUED FOR CONSTRUCTION	ML.R	05/09/22
A	PRELIMINARY ISSUE	ML.R	29/07/22
	Amendments	Approved	Date




  
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 G. KOHLMAN

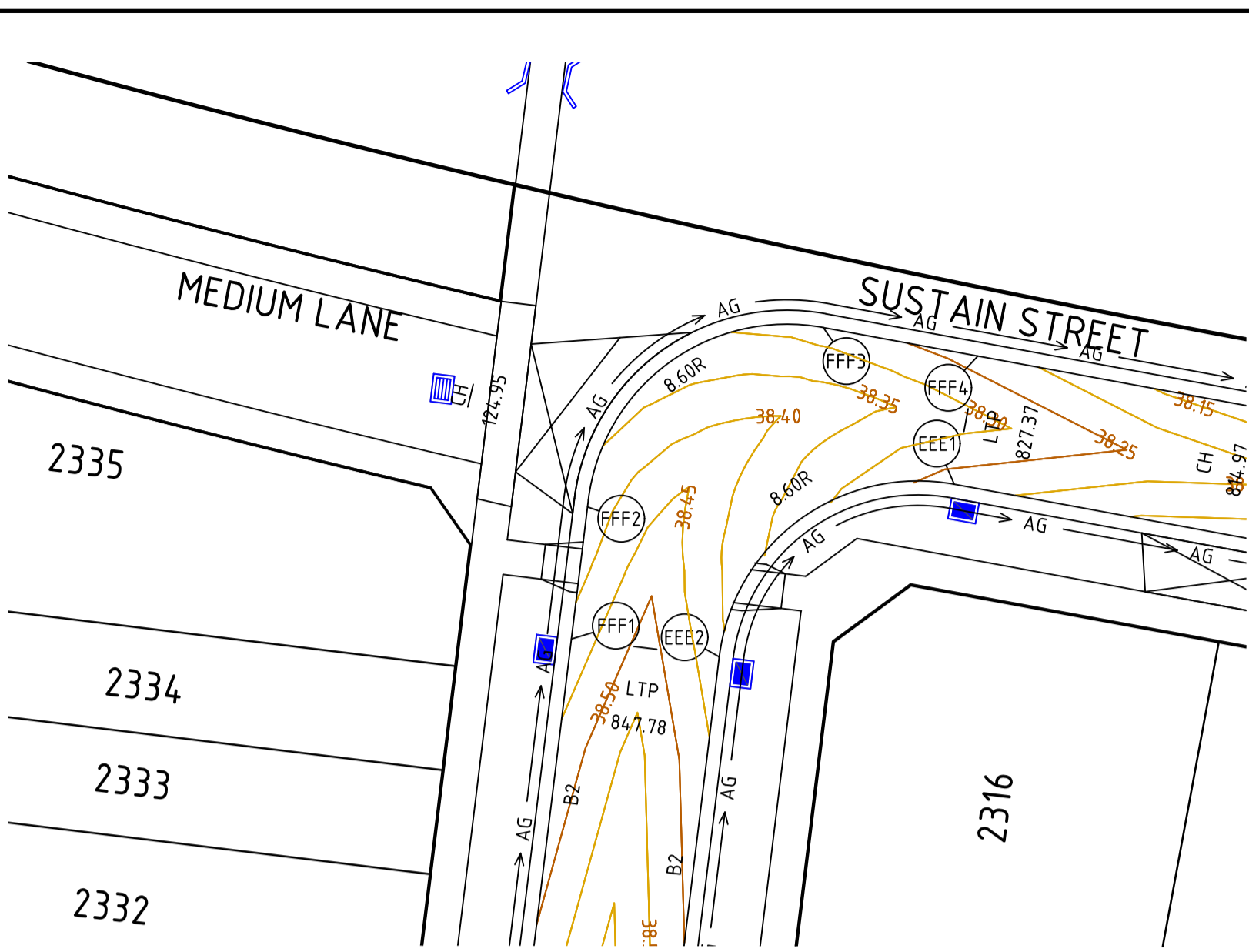
Checked  
 G. KOHLMAN  
 Date  
 17/02/23

**MAMBOURIN**  
**STAGE 23**  
 ROAD AND DRAINAGE  
 MEDIUM LANE & TONAL STREET CROSS SECTIONS  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD

**AS CONSTRUCTED**

Drg No  
**309510CR402**

Rev  
**3**



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 37.0

DESIGN LEVEL	38.416	38.373	38.274	38.226
CHAINAGE	0.000	6.001	20.035	26.788

KERB FFF

ALIGNMENT FFF

POINT NO	EASTING	NORTHING	RL
FFF1	289123.124	5804089.471	38.416
FFF2	289123.850	5804095.428	38.373
1/4	289124.964	5804098.730	38.348
1/2	289127.296	5804101.318	38.324
3/4	289130.463	5804102.769	38.299
FFF3	289133.947	5804102.844	38.274
FFF4	289140.589	5804101.620	38.226

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
FFF2-FFF3	8.600	14.033	12.527	2.707	0.706

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 36.0

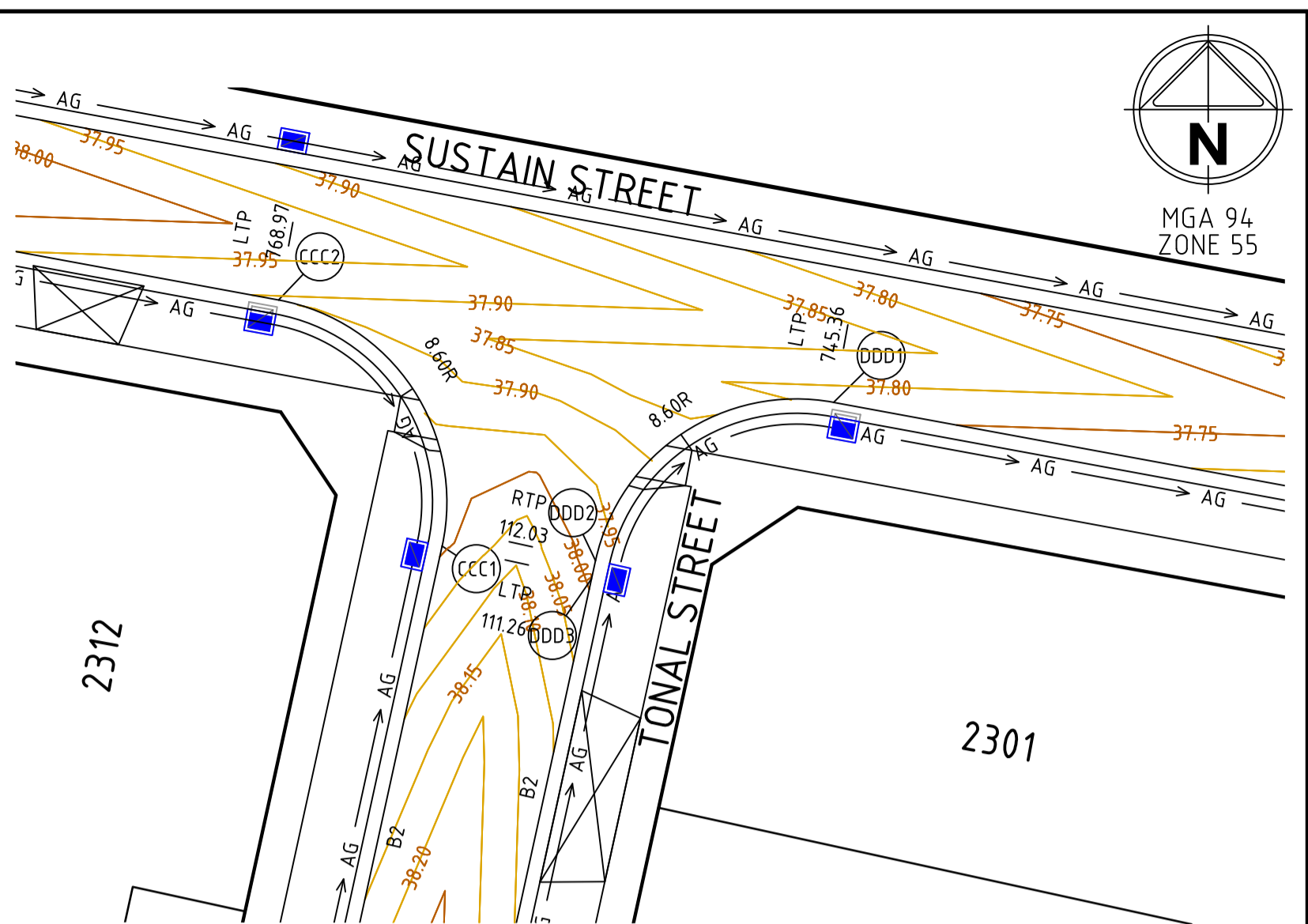
DESIGN LEVEL	37.991	37.894
CHAINAGE	0.000	13.792

KERB CCC

ALIGNMENT CCC

POINT NO	EASTING	NORTHING	RL
CCC1	289203.851	5804075.226	37.991
1/4	289203.902	5804078.650	37.967
1/2	289202.612	5804081.823	37.943
3/4	289200.186	5804084.241	37.918
CCC2	289197.009	5804085.520	37.894

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
CCC1-CCC2	8.600	13.792	12.361	2.620	-0.682



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 36.0

DESIGN LEVEL	37.776	37.973	37.991
CHAINAGE	0.000	13.226	14.003

KERB DDD

ALIGNMENT DDD

POINT NO	EASTING	NORTHING	RL
DDD1	289220.230	5804081.238	37.776
1/4	289216.944	5804081.205	37.825
1/2	289213.910	5804079.943	37.875
3/4	289211.572	5804077.635	37.924
DDD2	289210.269	5804074.618	37.973
DDD3	289210.103	5804073.858	37.991

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
DDD1-DDD2	8.600	13.226	11.960	2.420	-0.628

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 37.0

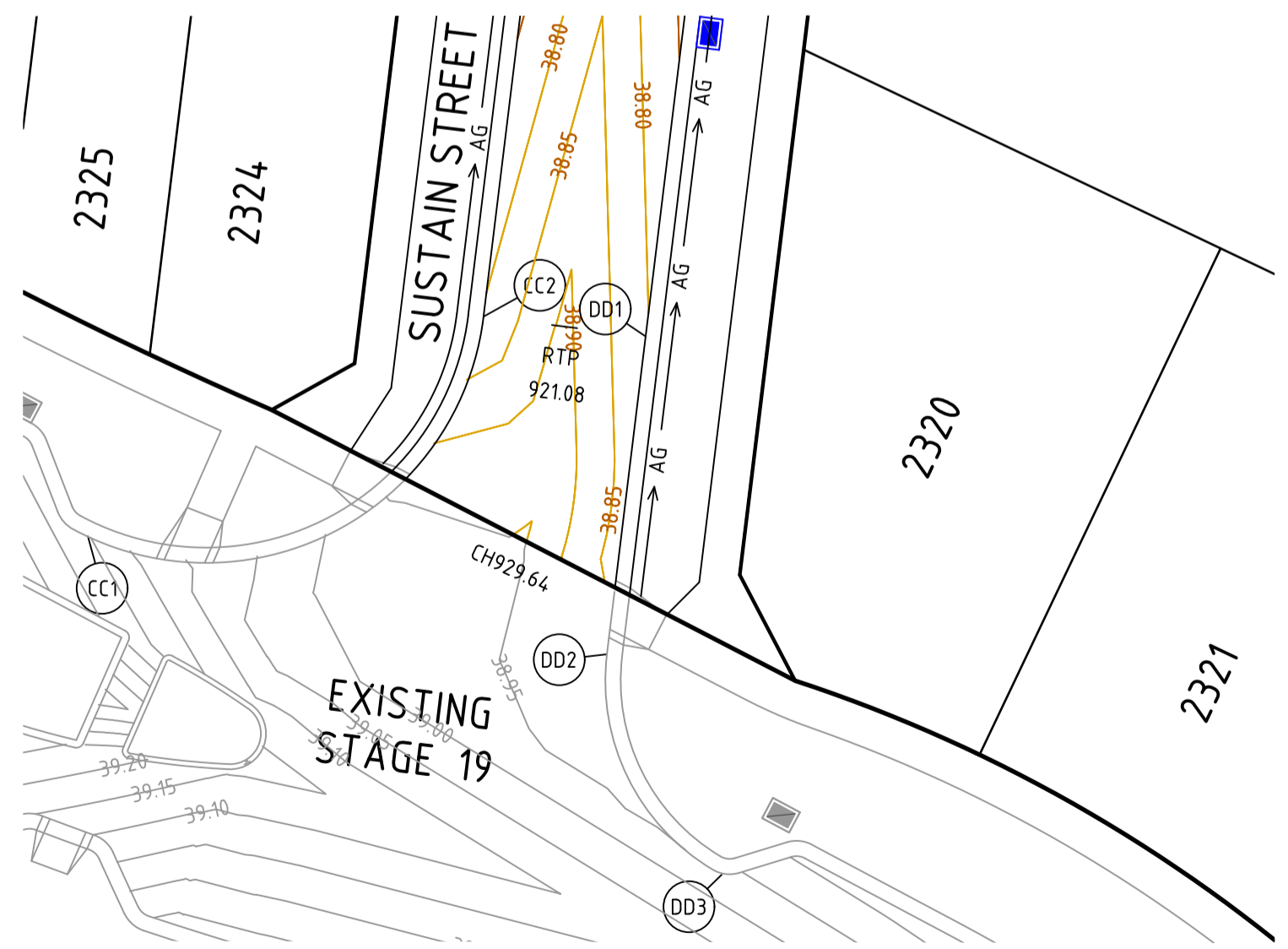
DESIGN LEVEL	38.226	38.416
CHAINAGE	0.000	14.033

KERB EEE

ALIGNMENT EEE

POINT NO	EASTING	NORTHING	RL
EEE1	289139.573	5804096.112	38.226
1/4	289136.090	5804096.037	38.274
1/2	289132.922	5804094.586	38.321
3/4	289130.590	5804091.998	38.368
EEE2	289129.477	5804088.696	38.416

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
EEE1-EEE2	8.600	14.033	12.527	2.707	-0.706



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 37.0

DESIGN LEVEL	38.805	38.846	38.894	38.914	38.929	38.968	38.975	38.967
CHAINAGE	0.000	5.720	9.902	11.441	12.536	17.161	19.902	22.881

KERB DD

ALIGNMENT DD

POINT NO	EASTING	NORTHING	RL
DD1	289120.602	5804015.944	38.805
DD2	289119.085	5804003.501	38.929
1/4	289119.159	5804000.925	38.955
1/2	289119.994	5803998.487	38.970
3/4	289121.513	5803996.406	38.974
DD3	289123.580	5803994.868	38.967

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
DD2-DD3	8.600	10.346	9.733	1.509	-0.386

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 37.0

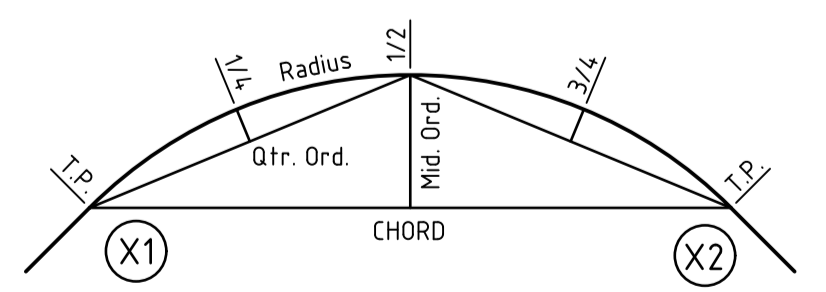
DESIGN LEVEL	39.203	39.078	38.952	38.885	38.851	38.800
CHAINAGE	0.000	5.163	10.326	13.466	15.488	20.651

KERB CC

ALIGNMENT CC

POINT NO	EASTING	NORTHING	RL
CC1	289098.750	5804008.122	39.318
1/4	289103.763	5804007.102	39.190
1/2	289108.692	5804008.469	39.061
3/4	289112.461	5804011.927	38.933
CC2	289114.250	5804016.719	38.805

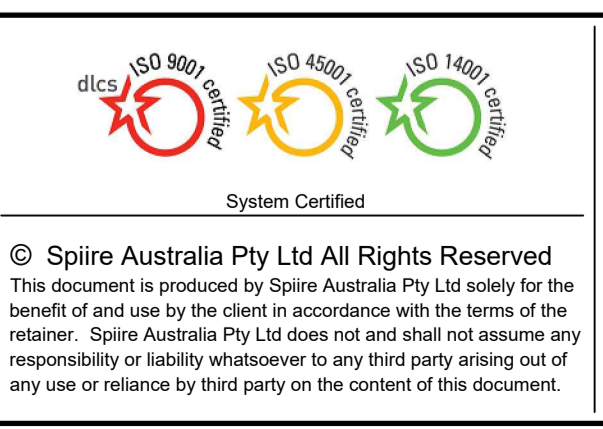
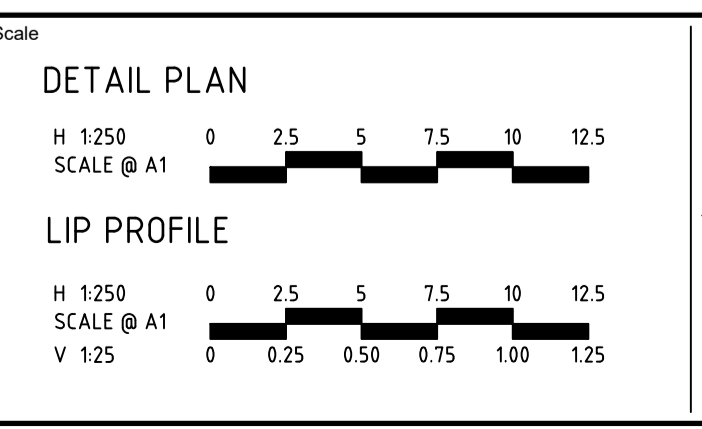
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
CC1-CC2	10.950	20.651	17.724	4.518	-1.195



KERB RETURN SETOUT DETAIL

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Rev	Amendments	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	STREET NAME UPDATED	MLR	24/02/23
0	ISSUED FOR CONSTRUCTION	MLR	05/09/22
B	KERB CCC UPDATED	M.R	18/08/22
A	PRELIMINARY ISSUE	MLR	29/07/22



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**FRASERS PROPERTY**

**Mambourin**

Designed  
**K. FEARN-WANNAN**

Checked  
**G. KOHLMAN**

Authorised  
**G. KOHLMAN**

Date  
**17/02/23**

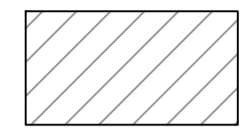
**MAMBOURIN STAGE 23**  
ROAD AND DRAINAGE  
INTERSECTION DETAILS  
WYNDHAM CITY COUNCIL  
FRASERS PROPERTY LTD

**AS CONSTRUCTED**

Drg No  
**309510CR500**

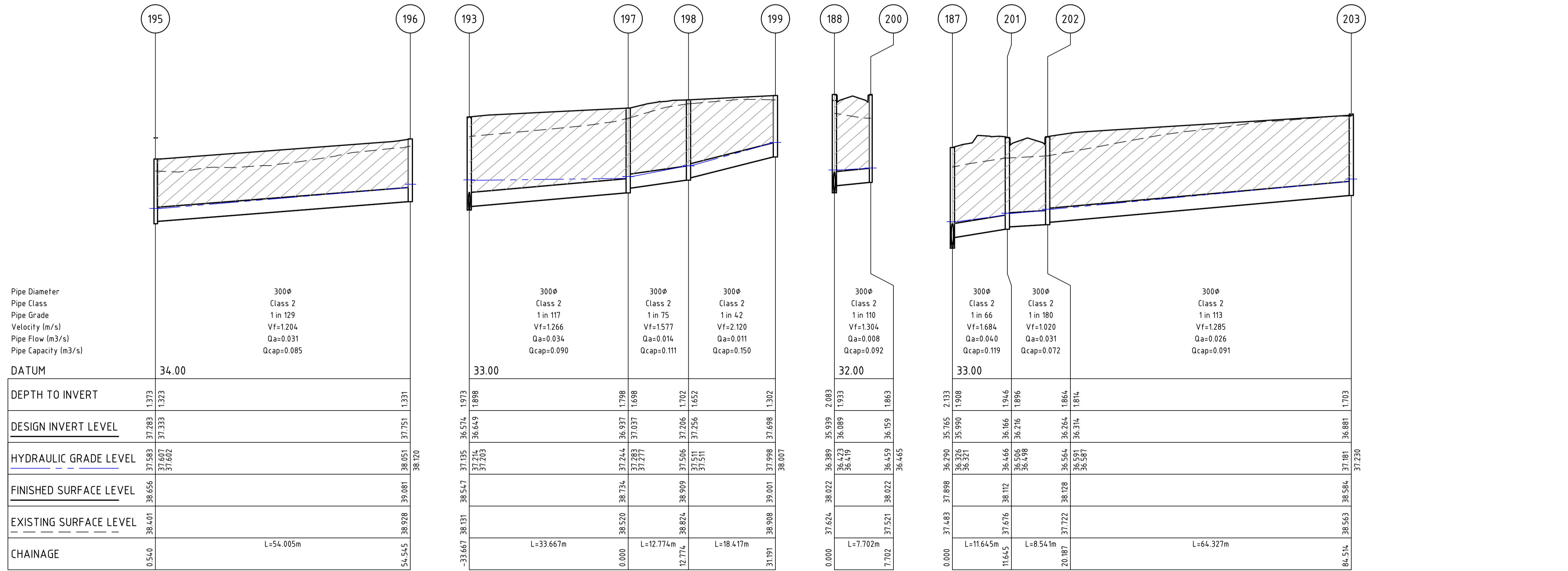
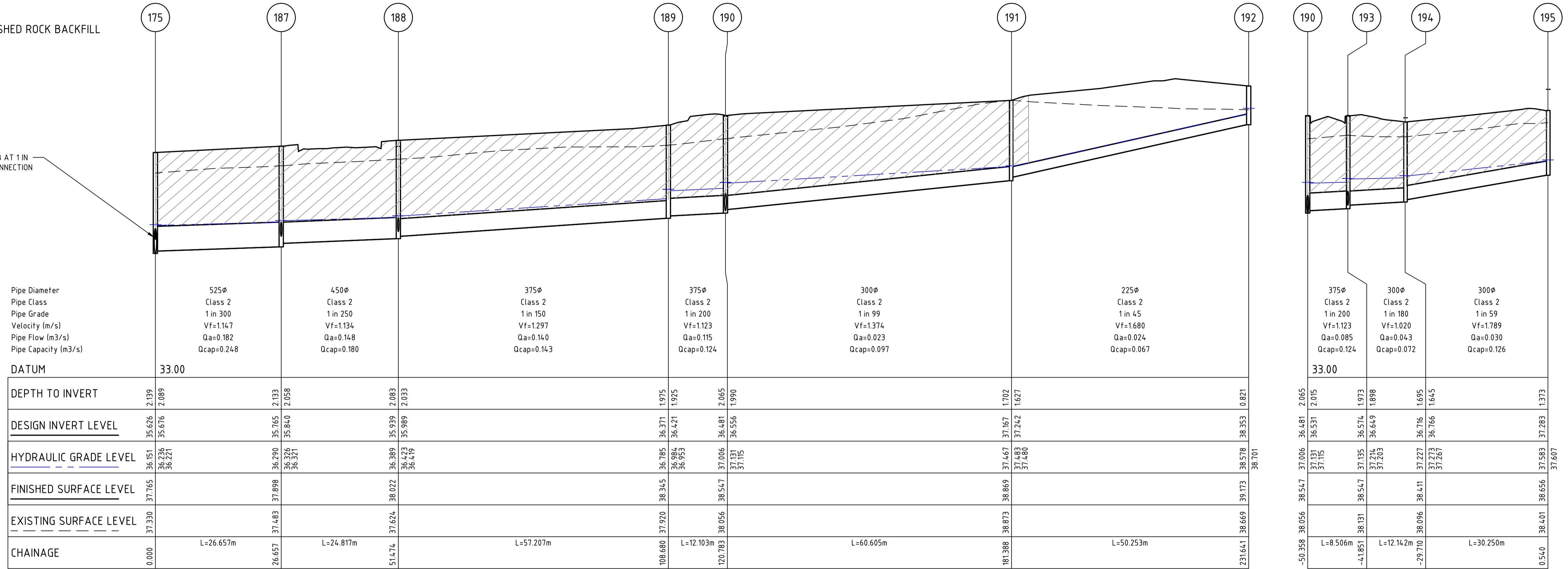
Rev  
**2**





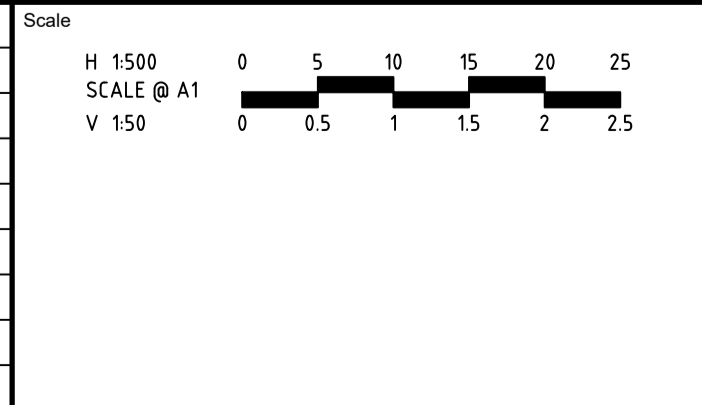
CRUSHED ROCK BACKFILL

PROVIDE Ø525 STUB AT 1 IN 300 FOR FUTURE CONNECTION



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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.R	05/09/22
A	PRELIMINARY ISSUE	M.R	29/07/22



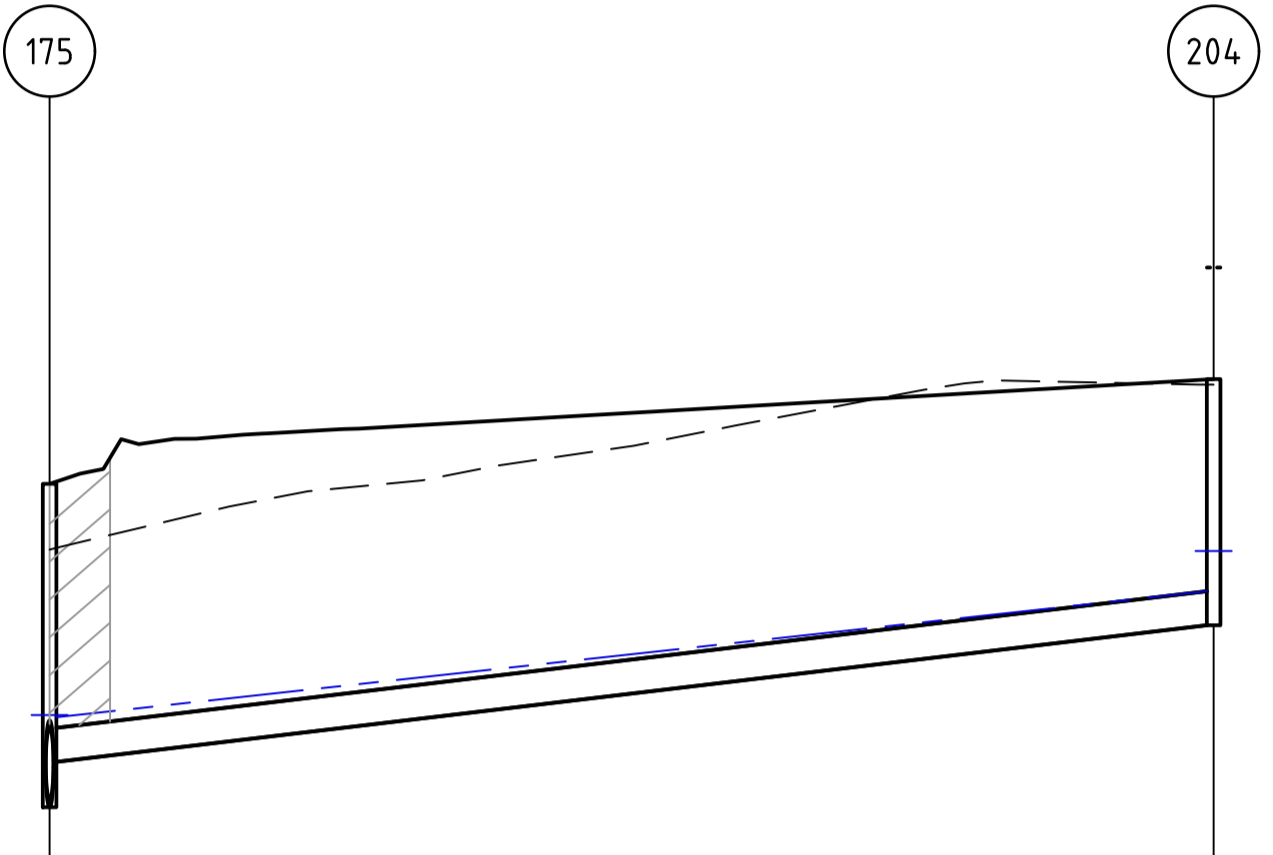
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 Authorised
   
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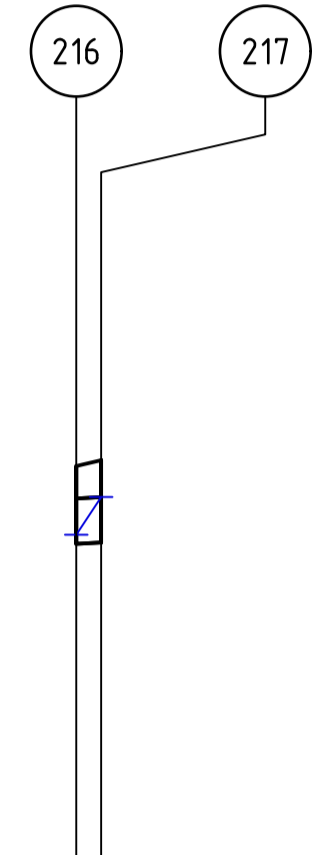
Checked
   
 G. KOHLMAN
   
 Date
   
 17/02/23

**MAMBOURIN**
  
**STAGE 23**
  
**ROAD AND DRAINAGE**
  
**DRAINAGE LONG SECTIONS**
  
 WYNDHAM CITY COUNCIL
   
 FRASERS PROPERTY LTD
   
**AS CONSTRUCTED**
  
 Drg No **309510CR600**
  
 Rev **1**



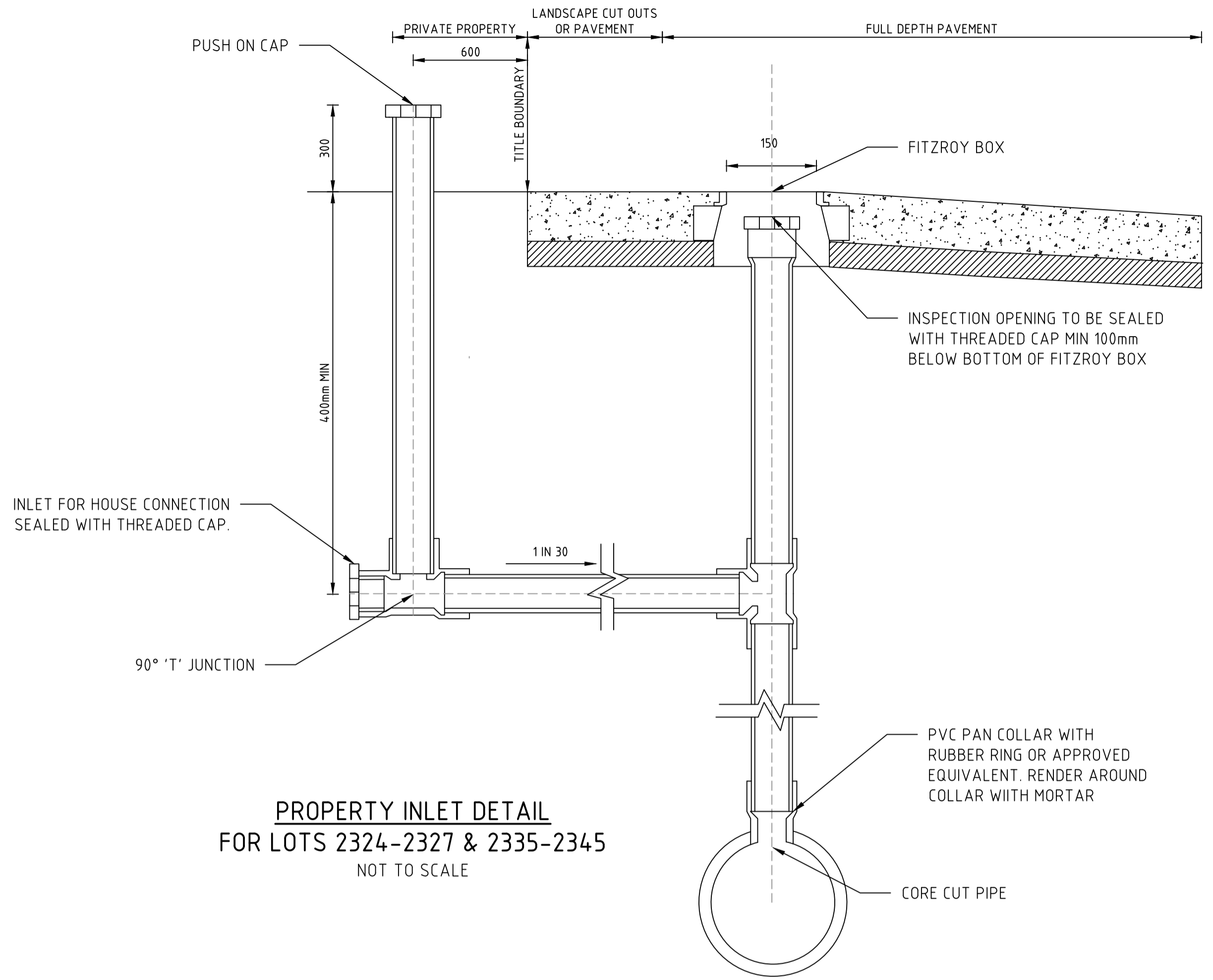
Pipe Diameter 225 $\phi$   
 Pipe Class Class 2  
 Pipe Grade 1 in 85  
 Velocity (m/s) Vf=1.224  
 Pipe Flow (m<sup>3</sup>/s) Qa=0.043  
 Pipe Capacity (m<sup>3</sup>/s) Qcap=0.049

DATUM	33.00
DEPTH TO INVERT	1.2139   1.839
DESIGN INVERT LEVEL	35.626   35.926   36.829   1.628
HYDRAULIC GRADE LEVEL	36.151   36.236   36.221   37.054   37.321
FINISHED SURFACE LEVEL	37.765   38.457   38.457
EXISTING SURFACE LEVEL	37.330   38.421   38.421
CHAINAGE	0.000   L=76.986m   76.986



Pipe Diameter 300 $\phi$   
 Pipe Class Class 4  
 Pipe Grade 1 in 180  
 Velocity (m/s) Vf=1.020  
 Pipe Flow (m<sup>3</sup>/s) Qa=0.007  
 Pipe Capacity (m<sup>3</sup>/s) Qcap=0.072

DATUM	34.00
DEPTH TO INVERT	0.516   0.545
DESIGN INVERT LEVEL	38.368   38.377   38.678
HYDRAULIC GRADE LEVEL	38.428   38.677   38.678
FINISHED SURFACE LEVEL	38.884   38.922   38.678
EXISTING SURFACE LEVEL	38.364   38.377   38.377
CHAINAGE	0.000   L=1.644m   1.644



PROPERTY INLET DETAIL  
 FOR LOTS 2324-2327 & 2335-2345  
 NOT TO SCALE

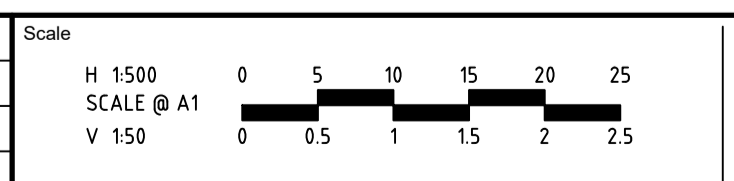
DRAINAGE PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
175	JUNCTION PIT	900	900	525	35.676	525	35.626	37.765	2.139	
187	JUNCTION PIT	900	900	450	35.840	525	35.765	37.898	2.133	
188	GRADED SIDE ENTRY PIT	900	900	375	35.989	450	35.939	38.022	2.083	
189	JUNCTION PIT	900	900	375	36.421	375	36.371	38.345	1.975	
190	GRADED SIDE ENTRY PIT	900	900	300	36.556	375	36.481	38.547	2.065	
191	JUNCTION PIT	600	900	225	37.242	300	37.167	38.869	1.702	
192	JUNCTION PIT	600	900	225	37.256	300	37.191	39.173	1.982	
193	GRADED SIDE ENTRY PIT	600	900	300	36.649	375	36.574	38.547	1.973	
194	GRADED ENTRY PIT	600	900	300	36.766	300	36.716	38.411	1.695	
195	GRADED ENTRY PIT	600	900	300	37.333	300	37.283	38.656	1.373	
196	JUNCTION PIT	600	900	300	37.037	300	37.011	39.081	1.331	
197	JUNCTION PIT	600	900	300	37.037	300	36.937	38.734	1.798	
198	GRADED ENTRY PIT	600	900	300	37.256	300	37.206	38.909	1.702	
199	JUNCTION PIT	600	900	300	37.256	300	37.191	39.001	1.302	
200	GRADED SIDE ENTRY PIT	600	900	300	36.216	300	36.166	38.022	1.863	
201	GRADED SIDE ENTRY PIT	900	900	300	36.216	300	36.166	38.112	1.946	
202	GRADED SIDE ENTRY PIT	900	900	300	36.314	300	36.264	38.128	1.864	
203	GRADED SIDE ENTRY PIT	600	900	300	36.314	300	36.264	38.584	1.703	
204	JUNCTION PIT	600	900	300	36	300	36.716	38.411	1.695	

- NOTES:
- ALL GRATED SIDE ENTRY PITS ARE TO BE IN ACCORDANCE WITH EDM601 AND EDM605 OR EDM606 (UNLESS NOTED OTHERWISE)
  - ALL JUNCTION PITS ARE TO BE IN ACCORDANCE WITH EDM605 OR EDM606 (UNLESS NOTED OTHERWISE)
  - ALL PITS WITH A WIDTH GREATER THAN 600mm ARE TO BE HAUNCHED PITS IN ACCORDANCE WITH EDM607 OR EDM608 (UNLESS NOTED OTHERWISE)
  - ALL GRATED ENTRY ARE TO BE IN ACCORDANCE WITH EDM605 OR EDM606 WITH "BIKE-SAFE" HOT DIP GALVANIZED CLASS D GRATING & FRAME TO SUIT (UNLESS NOTED OTHERWISE)
  - ENDWALL TO BE STANDARD ROCLA HEADWALL (OR APPROVED EQUIVALENT)

file name: 309510CR601.dwg, layout: cr601, title: CR601, created by: Kevin Newman, file location: G:\309510CR601\309510CR601.dwg, plot date: 23/06/2023 12:33, plot sheet: 10 of 13 sheets

Rev	Amendments	Approved	Date
3	AS CONSTRUCTED	M.R	23/06/23
2	RESERVE FOOTPATH LAYOUT AMENDED & CULVERTS ADDED	M.L.R	17/02/23
1	DRAINAGE PIT SCHEDULE UPDATED	M.L.R	31/10/22
0	ISSUED FOR CONSTRUCTION	M.L.R	05/09/22
A	PRELIMINARY ISSUE	M.L.R	29/07/22



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**FRASERS PROPERTY**  
 Designed  
 K. FEARN-WANNAN  
 Authorised  
 G. KOHLMAN

**Mambourin**  
 Checked  
 G. KOHLMAN  
 Date  
 17/02/23

**MAMBOURIN STAGE 23**  
 ROAD AND DRAINAGE  
 DRAINAGE LONG SECTIONS, DETAILS & PIT SCHEDULE  
 WYNDHAM CITY COUNCIL  
 FRASERS PROPERTY LTD  
**AS CONSTRUCTED** Drg No 309510CR601 Rev 3

DESIGN PAVEMENT PROFILE

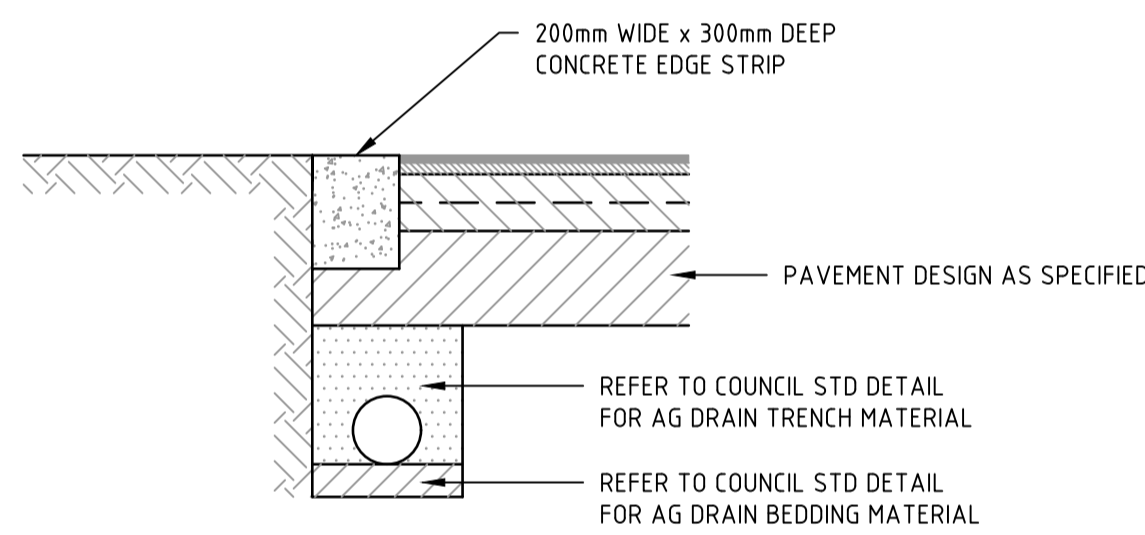
Table with 3 columns: PAVEMENT LAYER, DESCRIPTION, TYPE D. Rows include Asphalt Wearing Course, Asphalt Intermediate Course, Asphalt Base Course, Granular Subbase, and Construction Layer.

SUBGRADE = CLAY WITH DESIGN CBR OF 2%. TO BE IMPROVED TO A DEPTH NOT LESS THAN 150 MM USING SUBGRADE IMPROVEMENT LAYER OR IN-SITU STABILISED WITH A CBR VALUE >10%

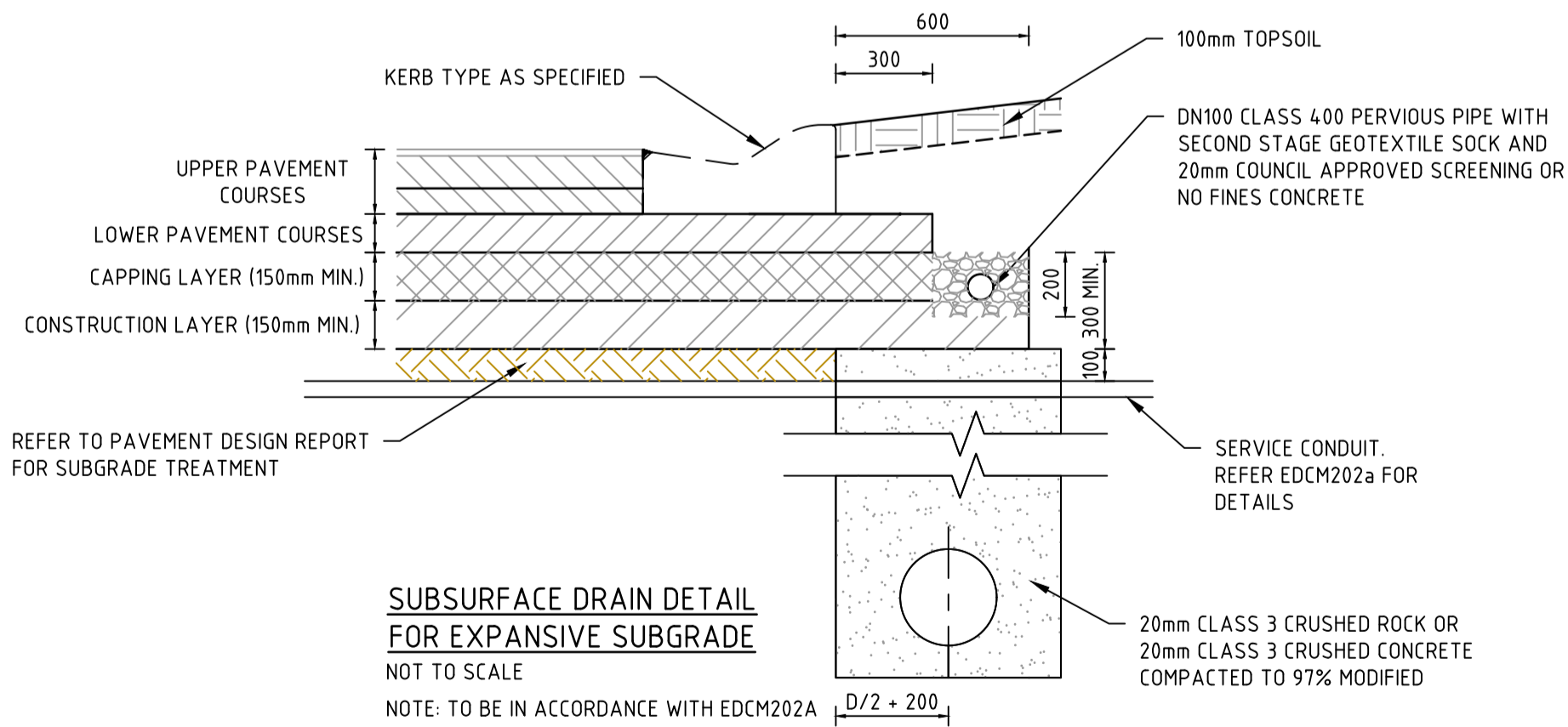
Table with 3 columns: PAVEMENT LAYER, DESCRIPTION, DEPTH (mm). Rows include Concrete Base, Gravel Sub Base, and Total Pavement Depth.

PAVEMENT DETAILS

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



LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL

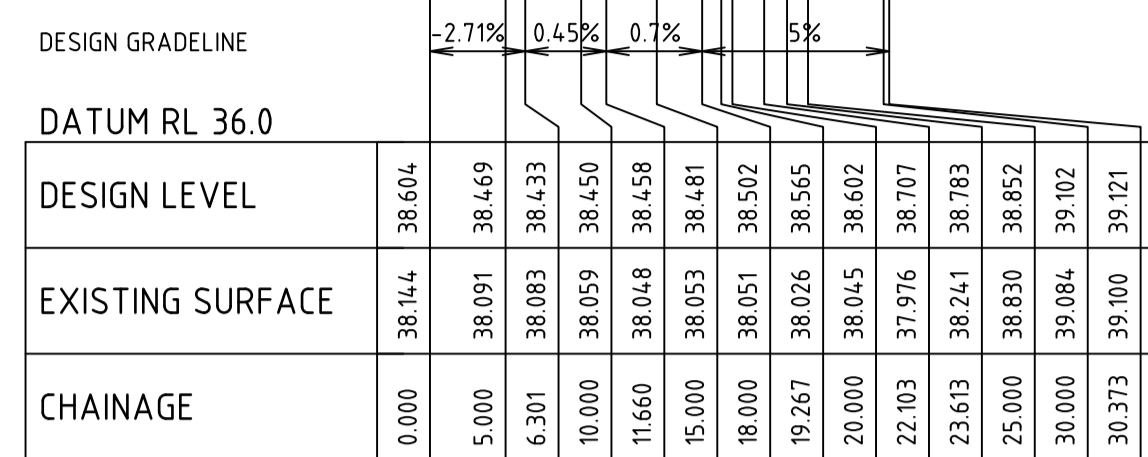


SUBSURFACE DRAIN DETAIL FOR EXPANSIVE SUBGRADE

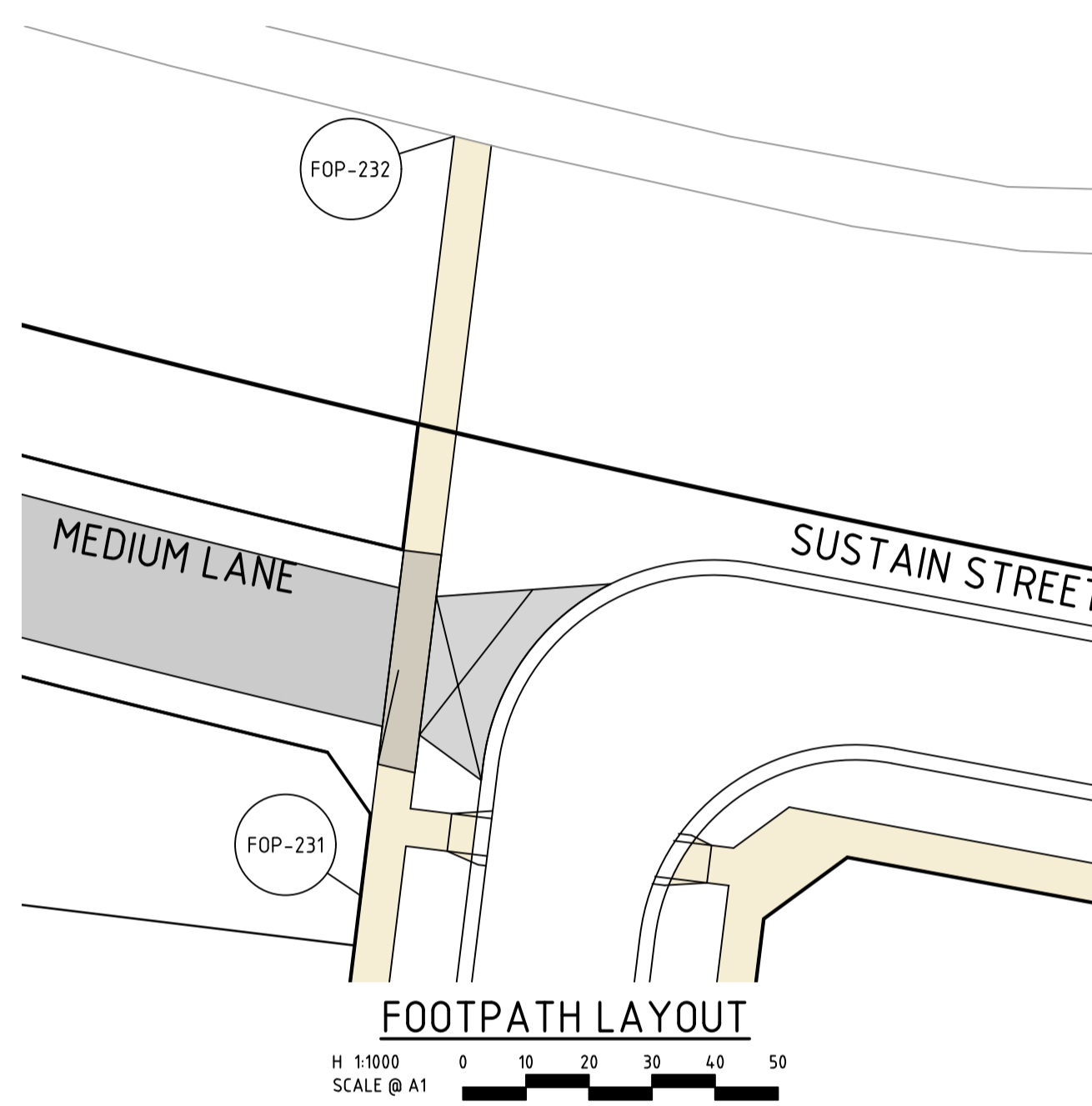
NOTE: TO BE IN ACCORDANCE WITH EDCM202A

Table with 2 columns: ROAD NAME, TYPE. Rows: Sustain Street (Access Street Level 1), Tonal Street (Access Street Level 1), Medium Lane (Concrete Laneway).

VERTICAL GEOMETRY

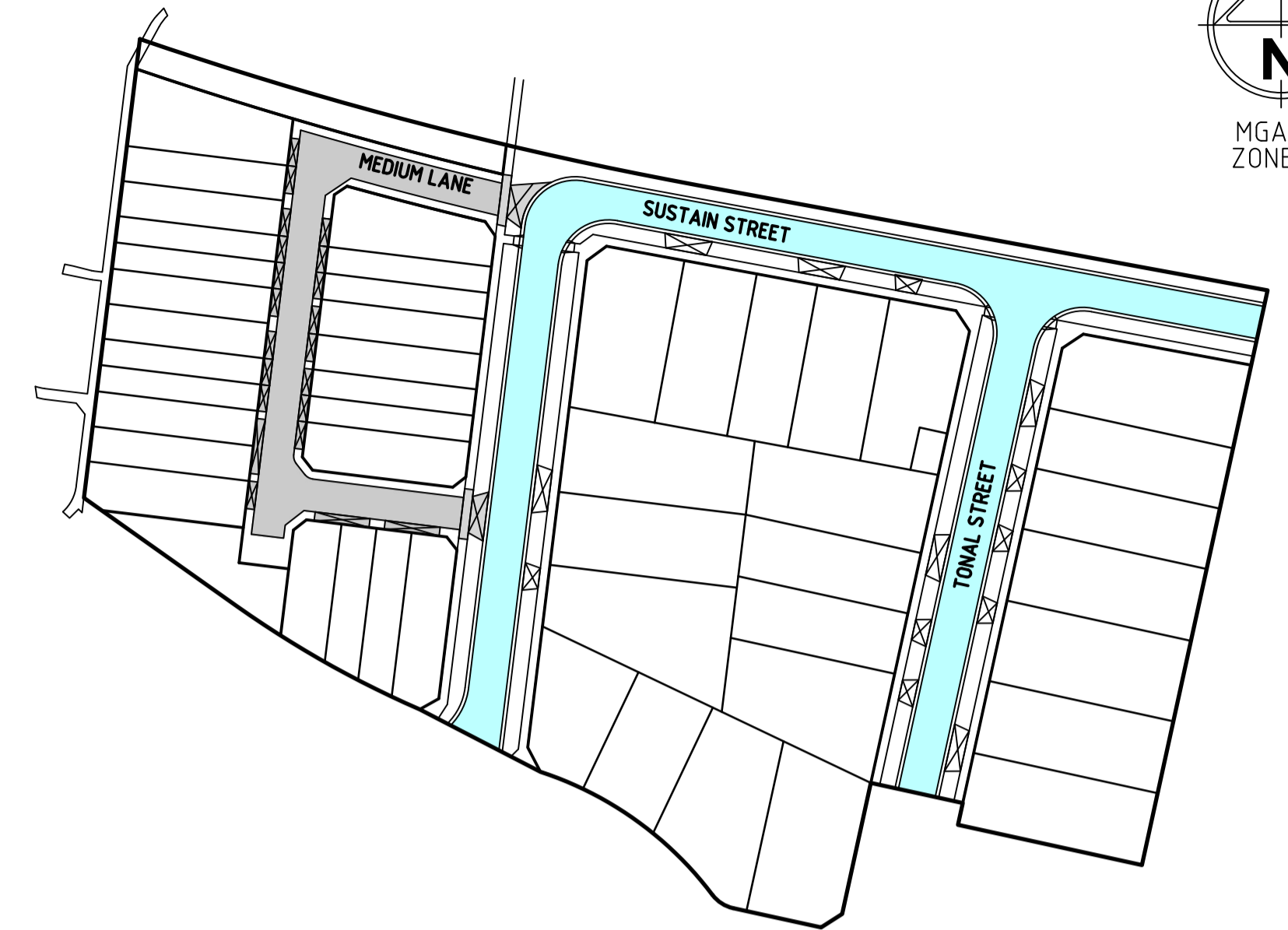


FOOTPATH



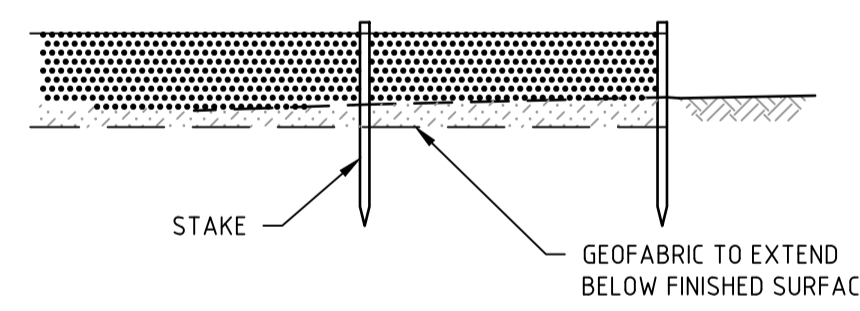
FOOTPATH LAYOUT

H 1:1000 SCALE @ A1

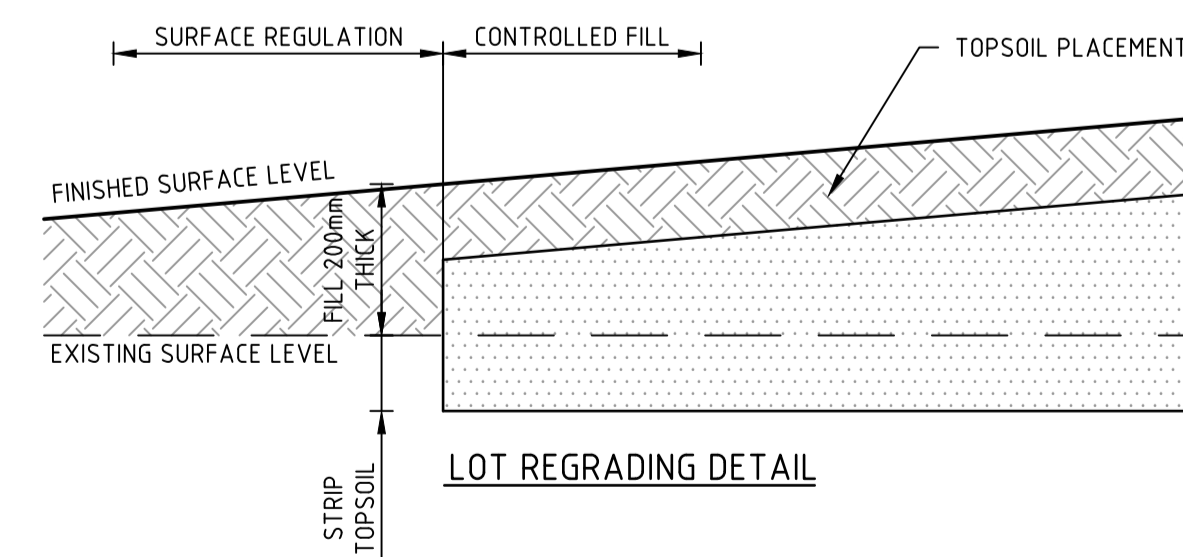


PAVEMENT PLAN

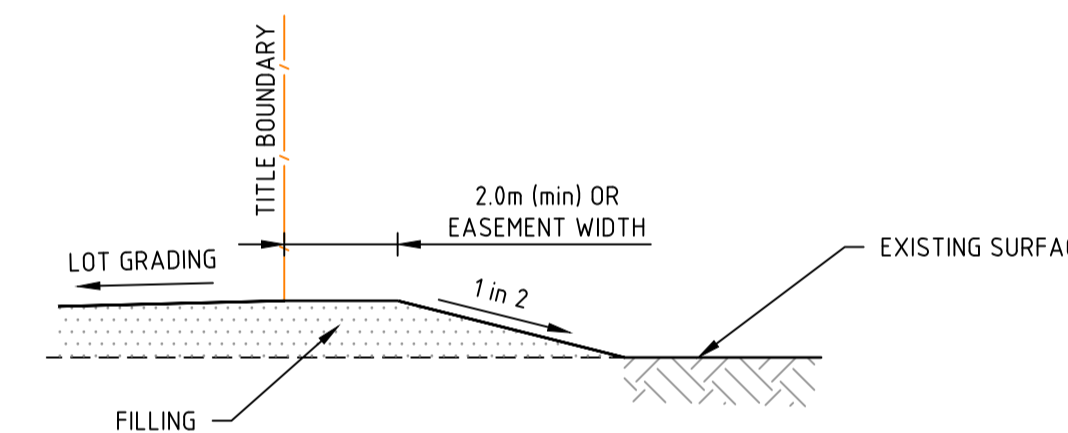
H 1:1000 SCALE @ A1



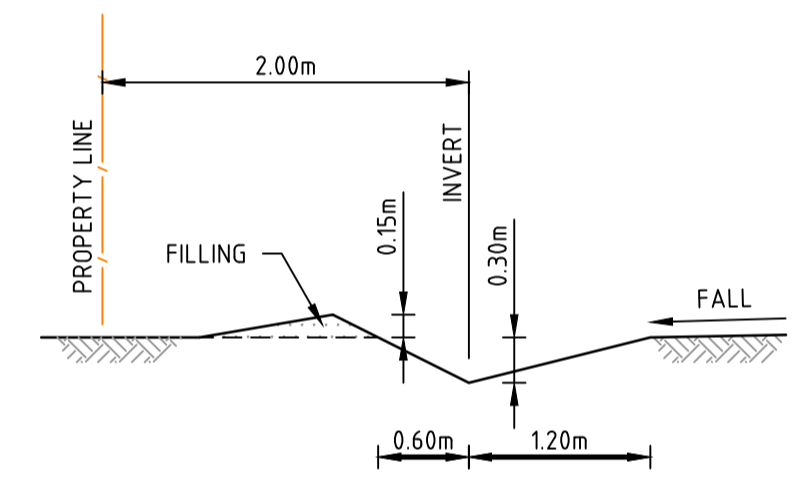
SILT CONTROL FOR LOTS



LOT REGADING DETAIL

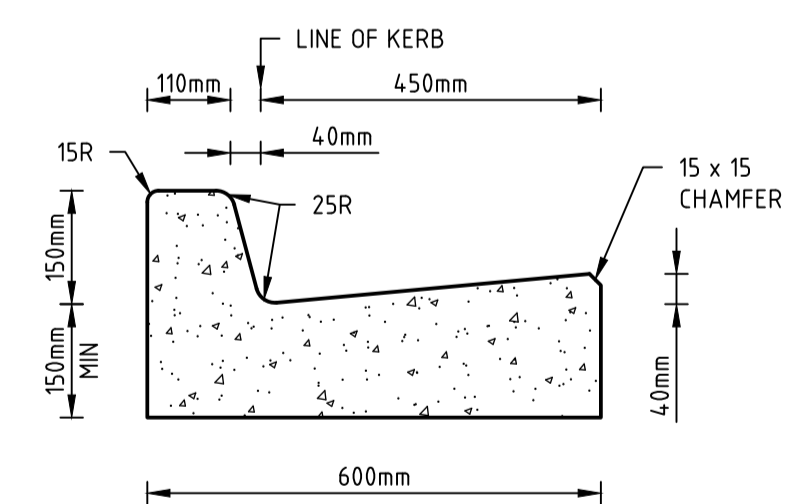


LOT FILLING AT STAGE BOUNDARY



TYPICAL CATCH DRAIN SECTION

NOT TO SCALE



600 B2

STANDARD KERB PROFILES

NOTE: ALL KERB & CHANNEL AS PER GAA STD DRAWING EDCM 301

H 1:100 SCALE @ A1

File name: 309510CR700.dwg, Location: C:\Users\kcoffey\OneDrive\Documents\Projects\309510CR700.dwg, Date: 17/02/23, Sheet: 11 of 13 Sheets

Revision table with columns: Rev, Description, M/R, Date. Shows revisions for 'AS CONSTRUCTED', 'STREET NAME UPDATED', and 'PAVEMENT PROFILE UPDATED'.

System Certified logos for ISO 9001, ISO 45001, ISO 14001 and Spiire Australia Pty Ltd logo.

spiire logo

L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 spiire.com.au ABN 55 050 029 635

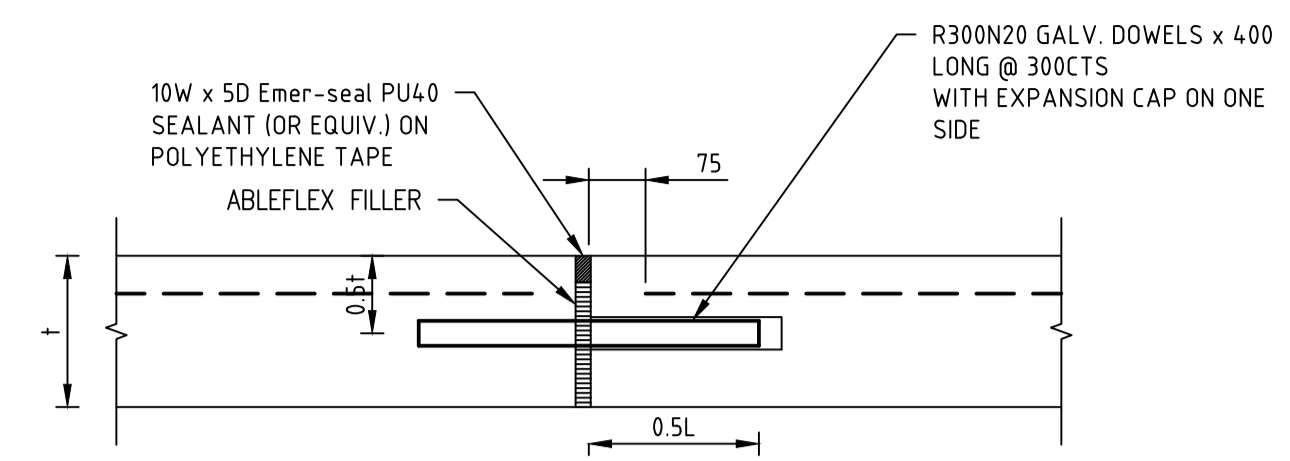
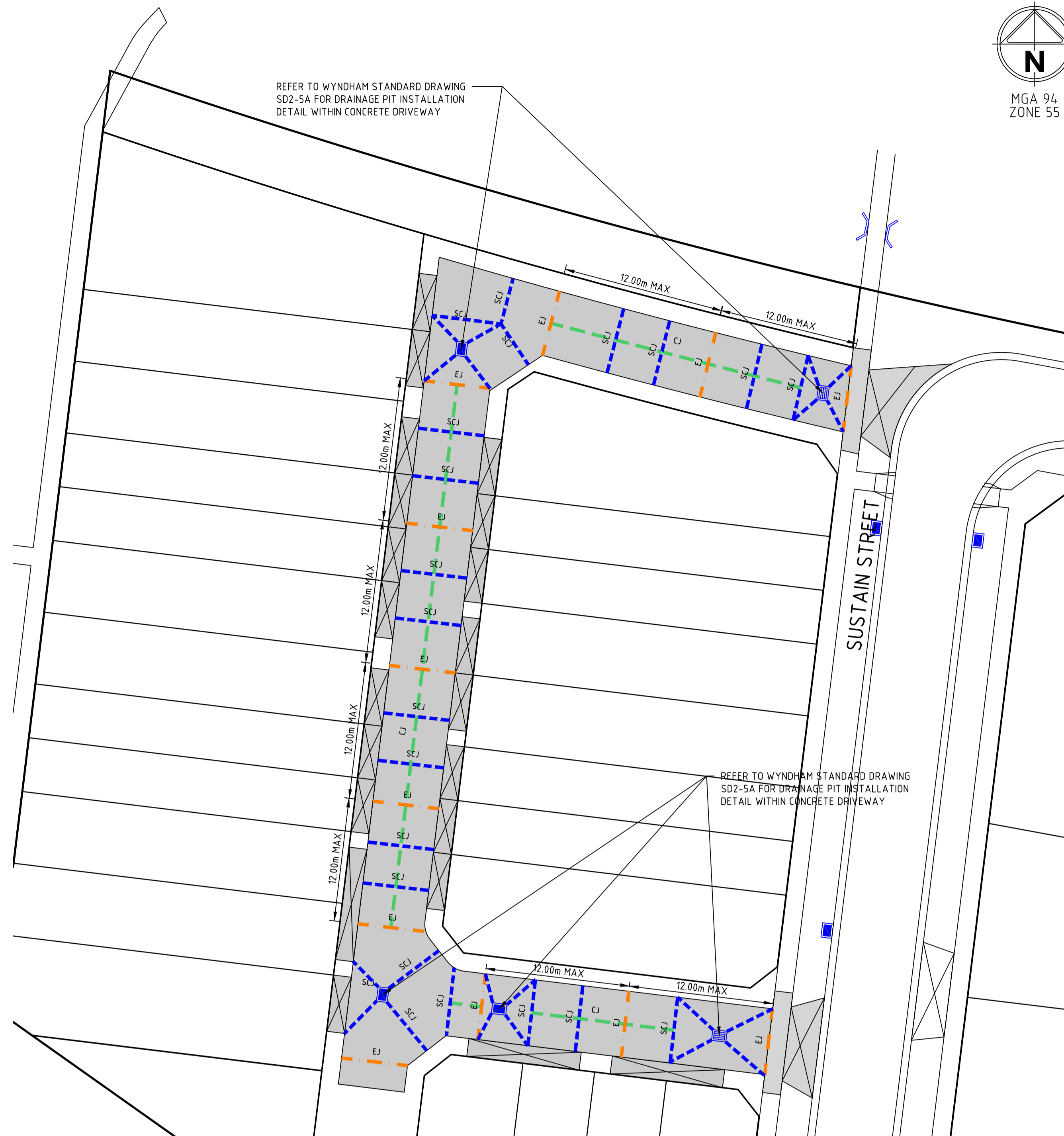
FRASERS PROPERTY logo and contact information: K. FEARN-WANNAN, G. KOHLMAN.

Mambourin logo and contact information: G. KOHLMAN, 17/02/23.

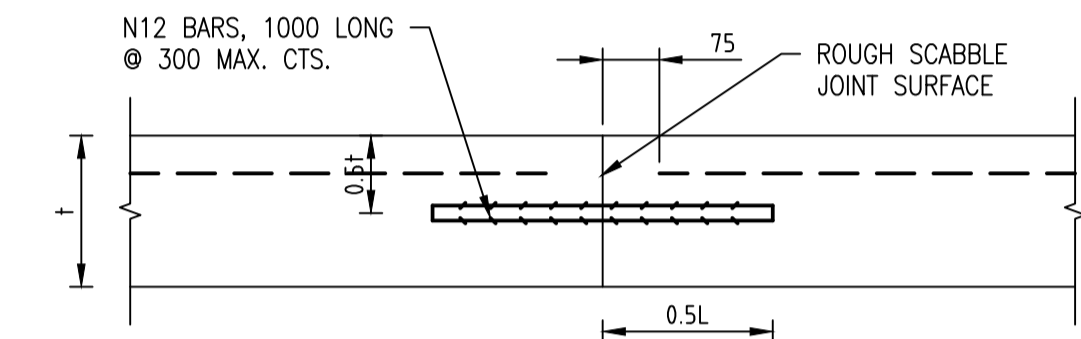
MAMBOURIN STAGE 23 ROAD AND DRAINAGE PAVEMENT AND TYPICAL DETAILS WYNDHAM CITY COUNCIL FRASERS PROPERTY LTD AS CONSTRUCTED 309510CR700



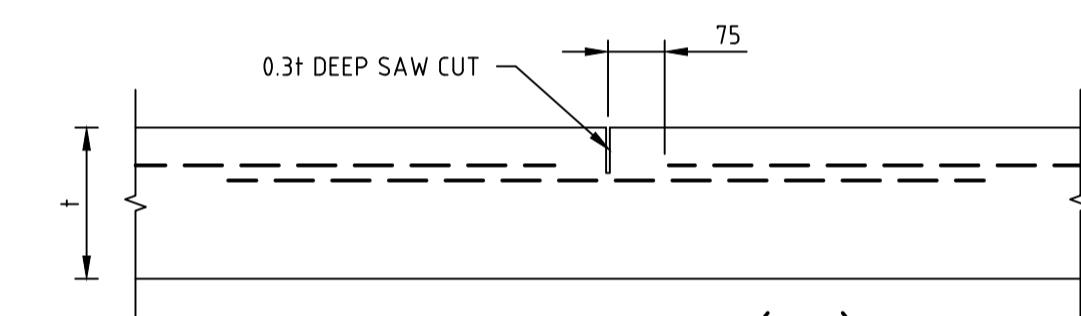
REFER TO WYNDHAM STANDARD DRAWING SD2-5A FOR DRAINAGE PIT INSTALLATION DETAIL WITHIN CONCRETE DRIVEWAY



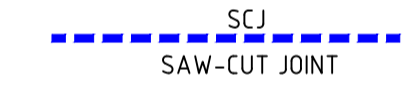
**EXPANSION JOINT (E.J)**



**CONSTRUCTION JOINT (C.J)**



**SAW-CUT JOINT (S.J)**



**CONCRETE JOINTING DETAIL**

**MEDIUM LANE**

H 1250  
SCALE @ A1



**CONCRETE AND JOINTING NOTES**

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
2. CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
3. PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
4. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
5. ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA-"CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
6. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.
7. VARIATION TO JOINT LAYOUT BY CONTRACTOR WILL NOT BE ACCEPTED WITHOUT SPECIFIC WRITTEN APPROVAL OF SUPERINTENDENT & COUNCIL.
8. ALL DOWELS IN EXISTING CONCRETE ARE TO BE GREASED TO THE FACE OF THE EXISTING CONCRETE BEFORE THE NEXT POUR.
9. ISOLATION JOINTS ARE TO BE PROVIDED AROUND ALL PIT SIDES INTERFACING WITH PAVEMENT.

file name: 309510CR701.dwg, layout: ccr701, name: CCR701, created by: Kevin Newman, file location: \\spire\media\projects\309510\Civil\A1.dwg, plot date: 23/06/2023 2:33 PM, Sheet 12 of 13 Sheets

Rev	Amendments	Approved	Date
4	AS CONSTRUCTED	M.R	23/06/23
3	STREET NAME UPDATED	MLR	24/02/23
2	RESERVE FOOTPATH LAYOUT AMENDED & CULVERTS ADDED	MLR	17/02/23
1	RESERVE SECTIONS ADDED	MLR	31/10/22
0	ISSUED FOR CONSTRUCTION	MLR	05/09/22
B	CONCRETE JOINTING PLAN UPDATED	M.R	18/08/22
A	PRELIMINARY ISSUE	MLR	29/07/22

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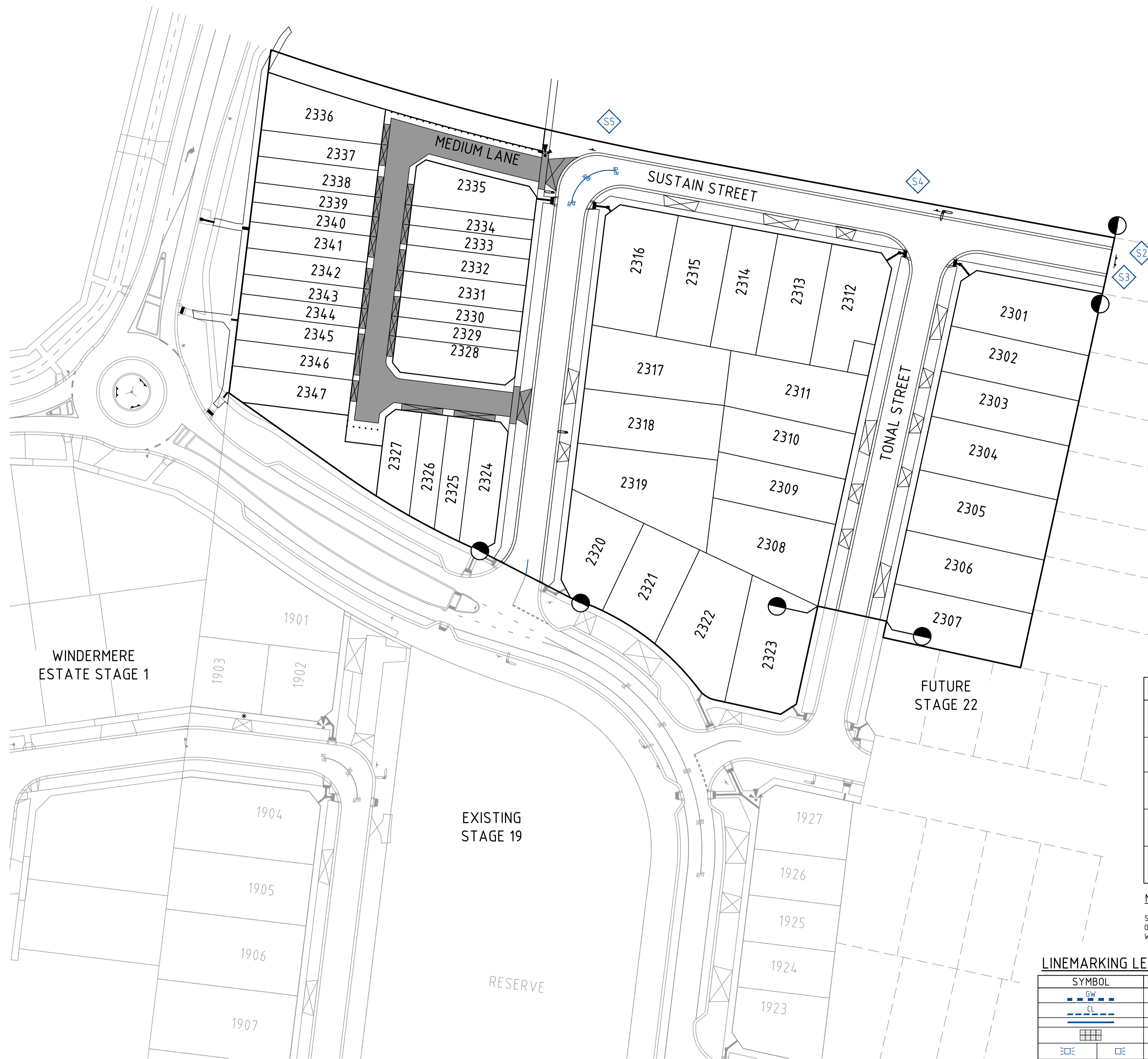
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE  
VICTORIA 8007 AUSTRALIA T 61 3 9993 7888  
spiire.com.au ABN 55 050 029 635

Designed  
K. FEARN-WANNAN  
Authorised  
G. KOHLMAN

Checked  
G. KOHLMAN  
Date  
17/02/23

**MAMBOURIN  
STAGE 23  
ROAD AND DRAINAGE  
CONCRETE JOINTING & RESERVE DETAILS**  
WYNDHAM CITY COUNCIL  
FRASERS PROPERTY LTD

**AS CONSTRUCTED** Drg No 309510CR701 Rev 4



**SIGNAGE SCHEDULE**

REFERENCE NO.	SIGN	COMMENTS
S1		STREET NAME PLATES TO BE IN ACCORDANCE WITH MELTON CITY COUNCIL STANDARD
S2		G9-20
S3		D4-5
S4		D4-2-1
S5		D4-1-3

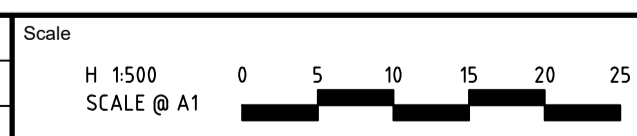
**NOTE:**  
STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION.

**LINEMARKING LEGEND**

SYMBOL	DESCRIPTION	REMARK
	HOLDING LINE (GIVEWAY)	600mm LINE, 600mm GAP, 300mm WIDE
	CONTINUITY LINE (STATCON)	600mm LINE, 600mm GAP, 150mm WIDE
	CONTINUOUS LANE LINE	150mm WIDE
	TACTILE GROUND SURFACE INDICATORS	REFER AS1428.4.1 - 2009
	RRPM	REFER AS1742.2 - 2009

File Name: 309510CR800.dwg, Location: C:\Users\kfearn\OneDrive - Frasers Property\Documents\309510CR800.dwg, Plot Date: 22/06/2023, 2:24 PM, Sheet: 13 of 13 Sheets

Rev	Amendments	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	STREET NAME UPDATED	M.I.R	24/02/23
0	ISSUED FOR CONSTRUCTION	M.I.R	05/09/22
B	SUSTAIN STREET SIGNAGE AND LINEMARKING UPDATED	M.R	18/08/22
A	PRELIMINARY ISSUE	M.I.R	29/07/22



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spiire.com.au ABN 55 050 029 635

**Mambourin**

Designed  
K. FEARN-WANNAN

Checked  
G. KOHLMAN

Authorised  
G. KOHLMAN

Date  
17/02/23

**MAMBOURIN**  
**STAGE 23**  
**ROAD AND DRAINAGE**  
**SIGNAGE AND LINEMARKING**  
WYNDHAM CITY COUNCIL  
FRASERS PROPERTY LTD

**AS CONSTRUCTED** Dwg No **309510CR800** Rev **2**