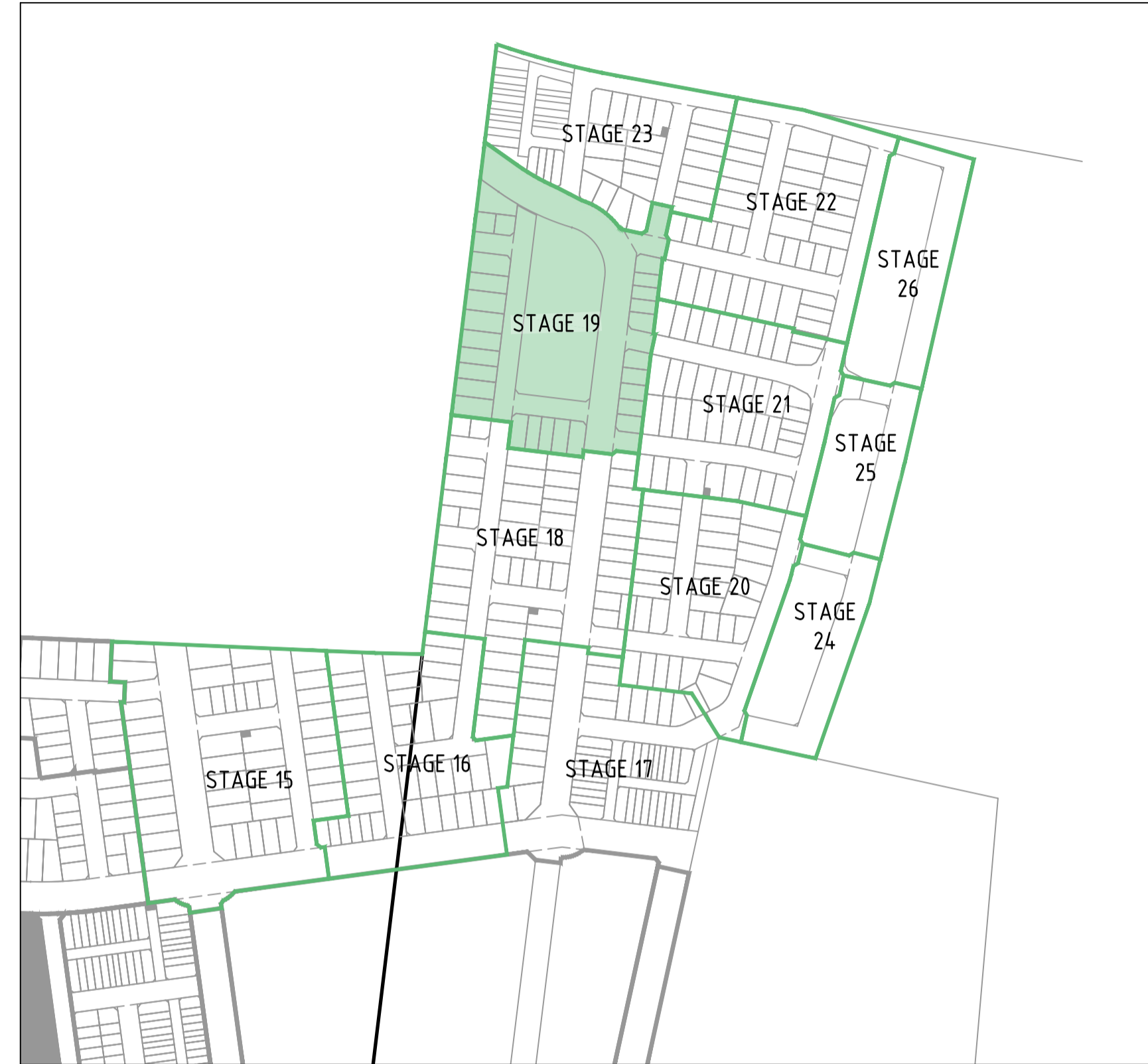


MAMBOURIN STAGE 19 FRASERS PROPERTY LTD

GENERAL NOTES:

- 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 PEET'S MODIFIED AS4-000-1997-AMENDED FROM 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.
- 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, TRENCHES, 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 SHALL BE TO A LEVEL 150mm BELOW THE FINISHED SURFACE LEVEL SHOWN AND COMPACTED AS PER AS-3798-1998. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION & 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.
- T.B.M.'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 1.50m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- 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.
- 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 COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- 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.
- 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.
- 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.
- 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 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.
- 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.



LOCALITY PLAN

H 14,000
SCALE @ A1

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES	1	4
CR200	ROAD LAYOUT PLAN	2	3
CR201	SERVICES PLAN	3	3
CR300	SHILLINGS ROAD LONG SECTION	4	3
CR301	PALETTE STREET & GLOSS STREET LONG SECTIONS	5	2
CR302	MORANT, TONAL, BRUSHTAIL & NURTURE ST LONG SECTIONS	6	3
CR400	SHILLINGS ROAD CROSS SECTIONS	7	2
CR401	SHILLINGS ROAD & MORANT STREET CROSS SECTIONS	8	2
CR402	PALETTE STREET CROSS SECTIONS	9	1
CR403	TONAL, BRUSHTAIL & GLOSS STREET CROSS SECTIONS	10	2
CR404	NURTURE STREET & ELLIMATTA ROAD CROSS SECTIONS	11	1
CR500	INTERSECTION DETAILS - SHEET 1 OF 3	12	2
CR501	INTERSECTION DETAILS - SHEET 2 OF 3	13	2
CR502	INTERSECTION DETAILS - SHEET 3 OF 3	14	1
CR600	DRAINAGE LONG SECTIONS - SHEET 1 OF 2	15	1
CR601	DRAINAGE LONG SECTIONS - SHEET 2 OF 2	16	1
CR700	PAVEMENT AND TYPICAL DETAILS	17	3
CR701	EXTENDED DRIVEWAY DETAILS	18	2
CR800	SIGNAGE AND LINEMARKING	19	3



WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
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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	--->---	--->---
STORM WATER DRAINAGE PROPERTY INLETS	--->---	--->---
COUNCIL STORM WATER PITS	--->---	--->---
HOUSE DRAIN	--->---	--->---
AG DRAIN AND FLUSHER	--->---	--->---
MWC STORM WATER DRAIN & PIT	--->---	--->---
MWC STORM WATER PITS	--->---	--->---
STORM WATER DRAINAGE PIT NUMBER	(Ex 4.7)	(1)
GAS & WATER CONDUITS	--- GW ---	--- Gw ---
CONCRETE VEHICLE CROSSING	--->---	--->---
HEAVY DUTY VEHICLE CROSSING	--->---	--->---
RIDGE / CHANGE OF GRADE LINE	--->---	--->---
SURFACE CONTOUR MINOR	--- 169.00 ---	--- 169.00 ---
SURFACE CONTOUR MAJOR	--- 168.90 ---	--- 168.90 ---
SURFACE LEVEL	E123.45	E124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW112.76	TW128.50 BW126.74
EARTHWORKS GRADE	--->---	--->---
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	--->---	--->---
LIMIT OF WORKS	--->---	--->---
BATTER	--->---	--->---
EXCAVATION GREATER THAN 0.20m	--->---	--->---
FILLING GREATER THAN 0.20m	--->---	--->---
ROCK BEACHING	--->---	--->---
FENCE - VEHICLE EXCLUSION	--->---	--->---
FENCES	--->---	--->---
TREE (& SURVEYED CANOPY) TO BE RETAINED	--->---	--->---
TREE TO BE PROTECTED	--->---	--->---
TREE TO BE REMOVED	--->---	--->---
VEGETATION LINE	--->---	--->---
FOOTPATH	--->---	--->---
TACTILE GROUND SURFACE INDICATOR	--->---	--->---
KERB TRANSITION	--->---	--->---

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Rev	Description	By	Date	Scale
4	AS CONSTRUCTED	M.R	23/06/23	Scale
3	STREET NAME UPDATED	M.R	24/02/23	
2	LOT CONNECTIONS AMENDED	M.R	27/01/23	
1	SHEETS 200, 300, 302, 400, 402, 501, 700 & 701 AMENDED	M.R	08/11/22	
0	ISSUED FOR CONSTRUCTION	M.R	12/09/22	
C	SIGNAGE & LINEMARKING AMENDED & LANDSCAPE RESERVE LEVELS ADDED	M.R	31/08/22	
B	PLANS AMENDED AS PER COUNCIL COMMENTS	M.R	12/08/22	
A	PRELIMINARY ISSUE	M.R	11/07/22	
Rev	Amendments	Approved	Date	

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Designed
K. FEARN-WANNAN
Authorised
G. KOHLMAN

Mambourin
Checked
G. KOHLMAN
Date
07-12-22

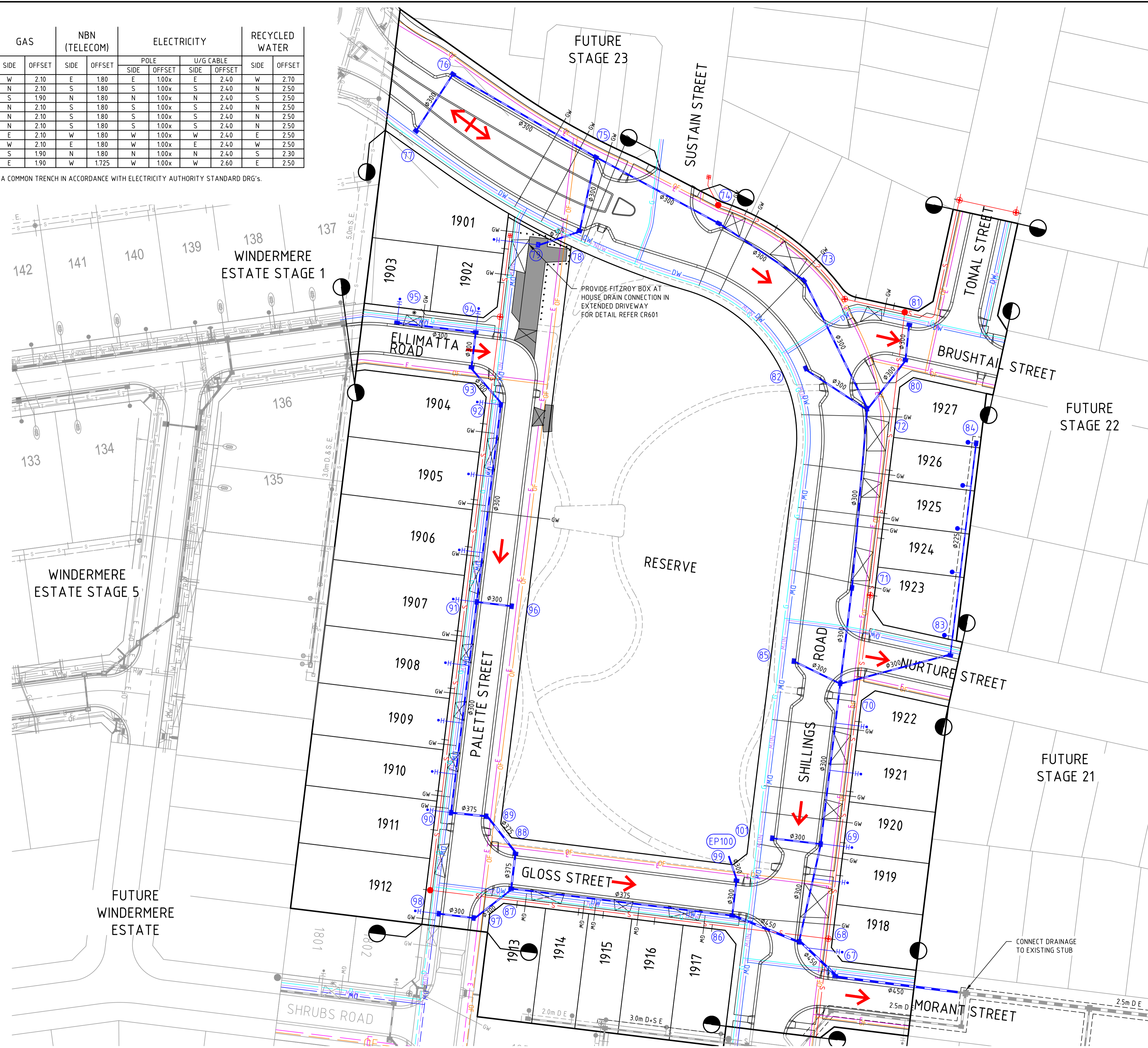
**MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
GENERAL NOTES**
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED Drg No **309506CR100** Rev **4**

SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY				RECYCLED WATER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		SIDE	OFFSET
							SIDE	OFFSET	SIDE	OFFSET		
SHILLINGS ROAD	W	3.30	W	2.10	E	1.80	E	1.00x	E	2.40	W	2.70
MORANT STREET	N	3.00	N	2.10	S	1.80	S	1.00x	S	2.40	W	2.50
LEDGES WAY	S	3.00	S	1.90	N	1.80	N	1.00x	N	2.40	S	2.50
NURTURE STREET	N	3.00	N	2.10	S	1.80	S	1.00x	S	2.40	N	2.50
ELLIMATTA ROAD	N	3.00	N	2.10	S	1.80	S	1.00x	S	2.40	N	2.50
BRUSHTAIL STREET	N	3.00	N	2.10	S	1.80	S	1.00x	S	2.40	N	2.50
TONAL STREET	E	3.00	E	2.10	W	1.80	W	1.00x	W	2.40	E	2.50
SUSTAIN STREET (16m)	W	3.00	W	2.10	E	1.80	W	1.00x	E	2.40	W	2.50
SUSTAIN STREET (13m)	S	2.80	S	1.90	N	1.80	N	1.00x	N	2.40	S	2.30
PALETTE STREET	E	3.00	E	1.90	W	1.725	W	1.00x	W	2.60	E	2.50

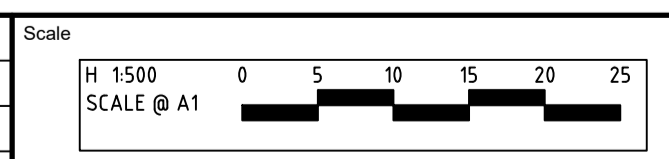
- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- x = OFFSET FROM BACK OF KERB



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Rev	Amendments	Approved	Date
3	AS CONSTRUCTED	M.R	23/06/23
2	STREET NAME UPDATED	M.R	24/02/23
1	LOT CONNECTIONS AMENDED	M.R	27/01/23
0	ISSUED FOR CONSTRUCTION	M.R	12/09/22
B	FITZROY BOX DETAIL UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	M.R	11/07/22



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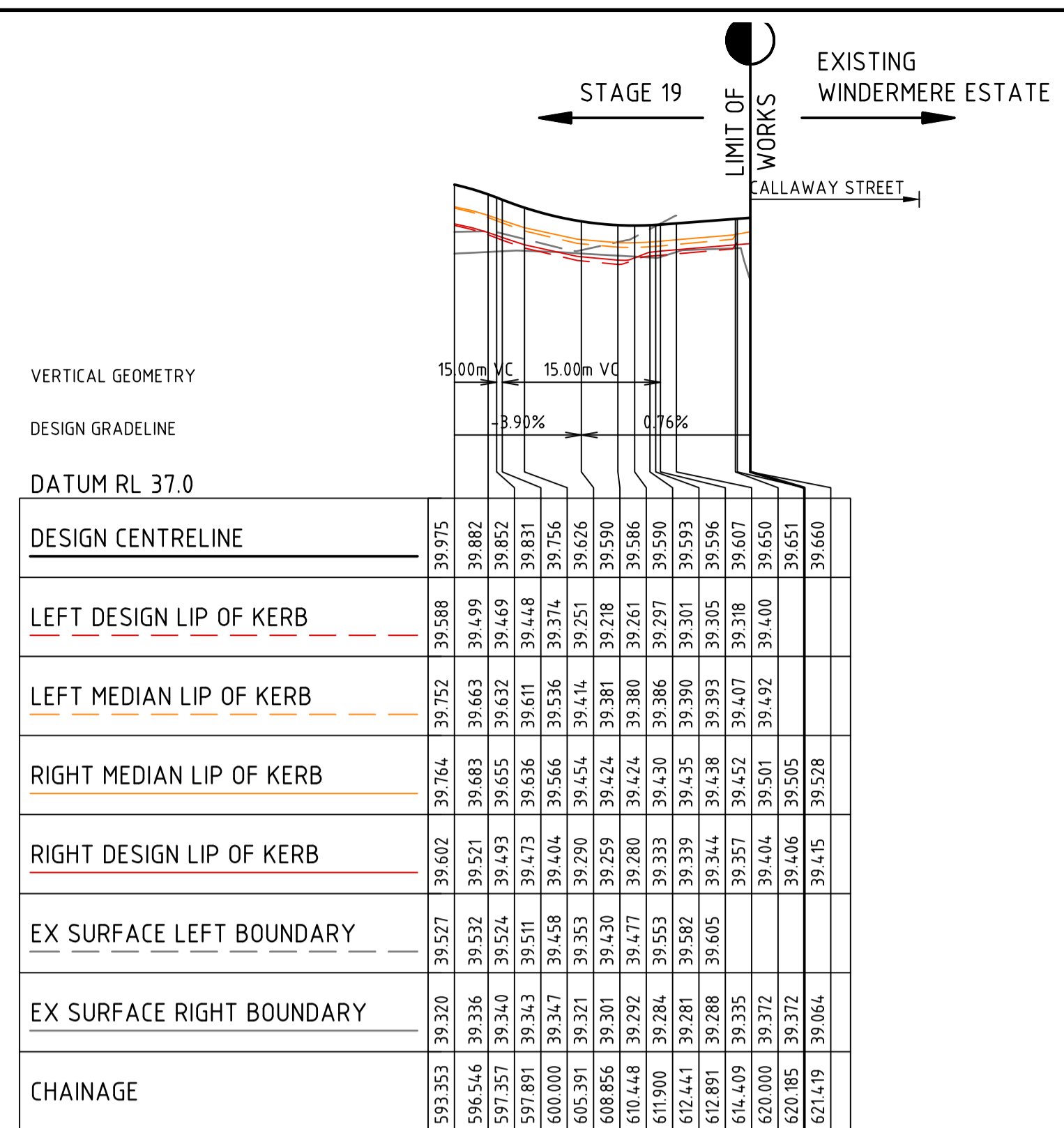
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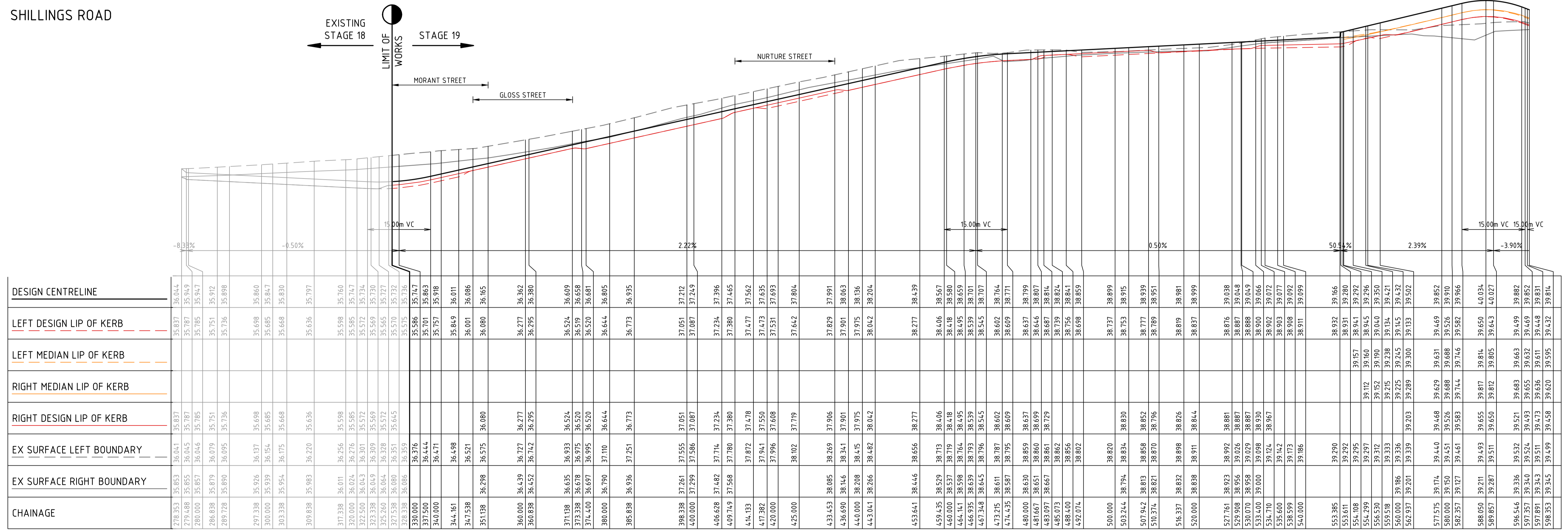
MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
SERVICES PLAN
 WYNDHAM CITY COUNCIL
 FRASERS PROPERTY LTD

AS CONSTRUCTED
Drg No
309506CR201
Rev
3

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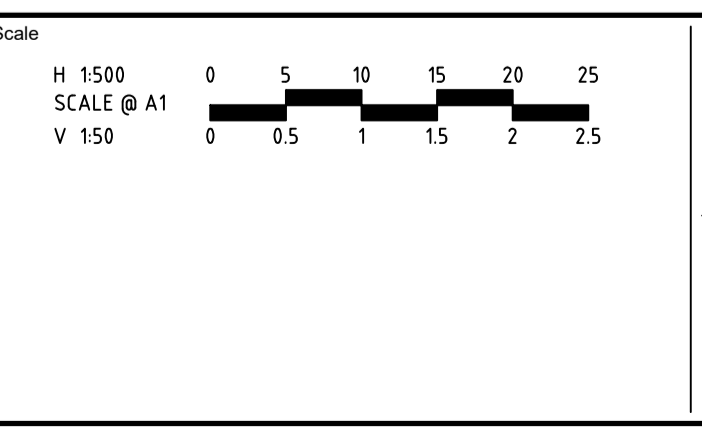


SHILLINGS ROAD



SHILLINGS ROAD

3	AS CONSTRUCTED	M.R	23/06/23
2	STREET NAME UPDATED	MI.R	24/02/23
1	MEDIAN STRIP LEVELS ADDED	MI.R	08/11/22
0	ISSUED FOR CONSTRUCTION	MI.R	12/09/22
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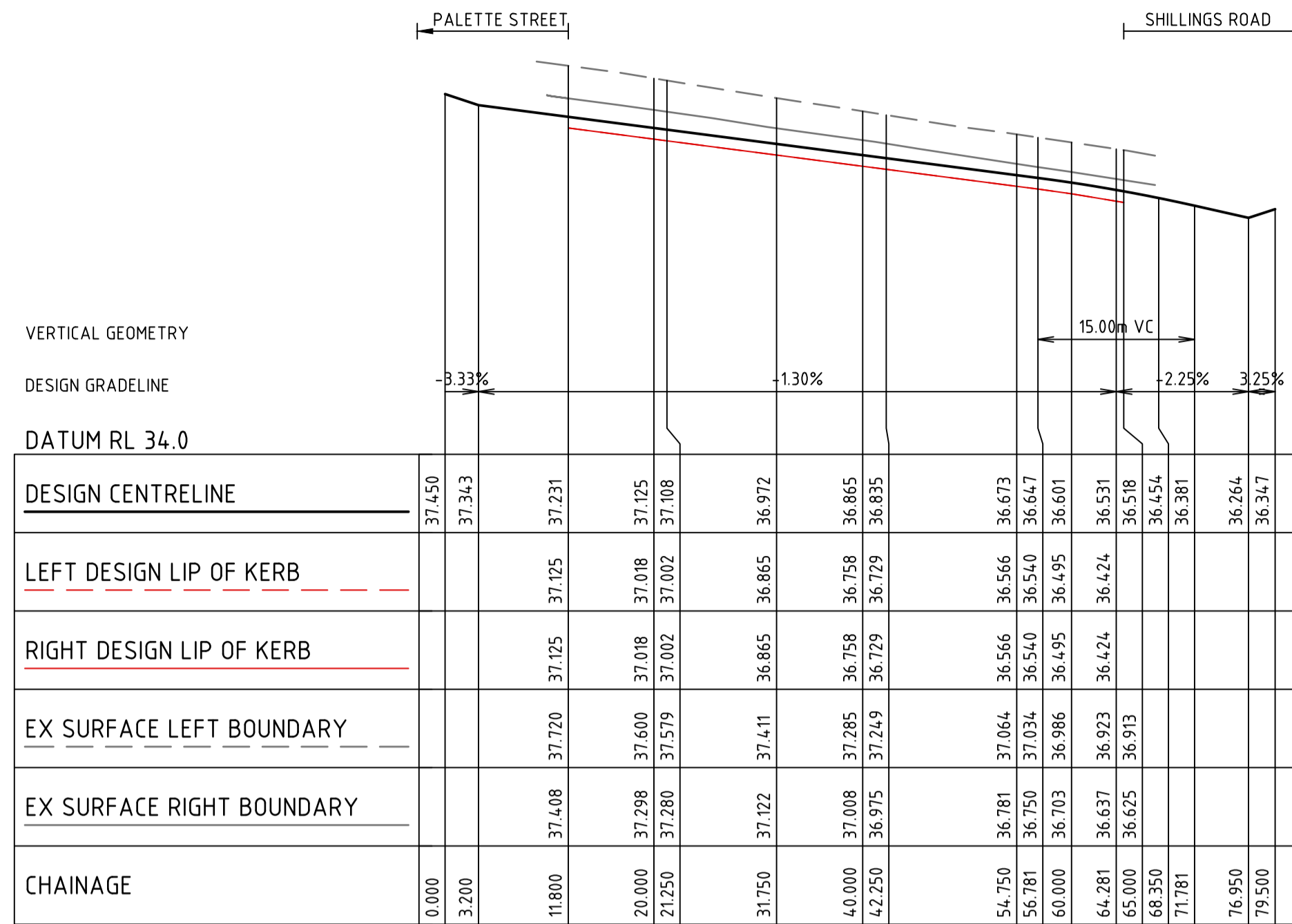
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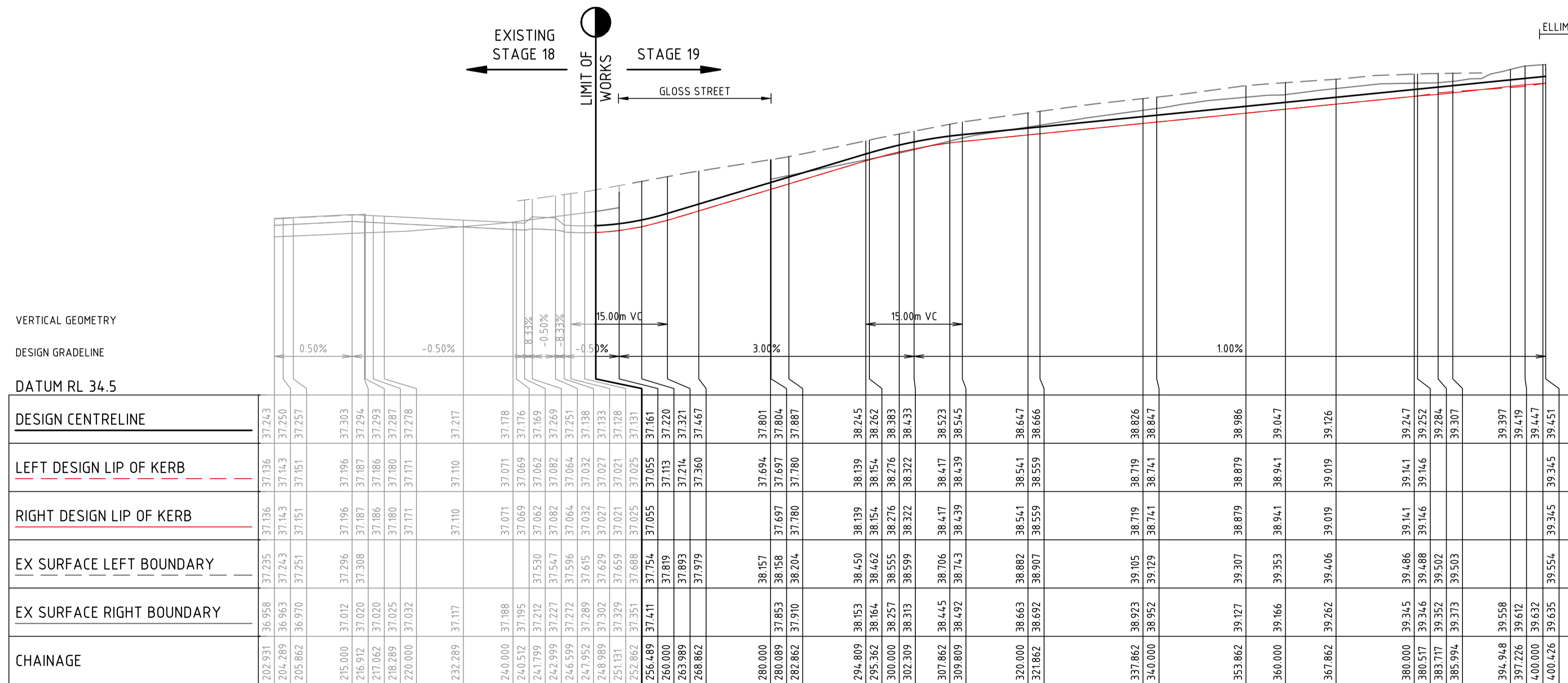
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MAMBOURIN STAGE 19
ROAD AND DRAINAGE SHILLINGS ROAD LONG SECTION
WYNDHAM CITY COUNCIL
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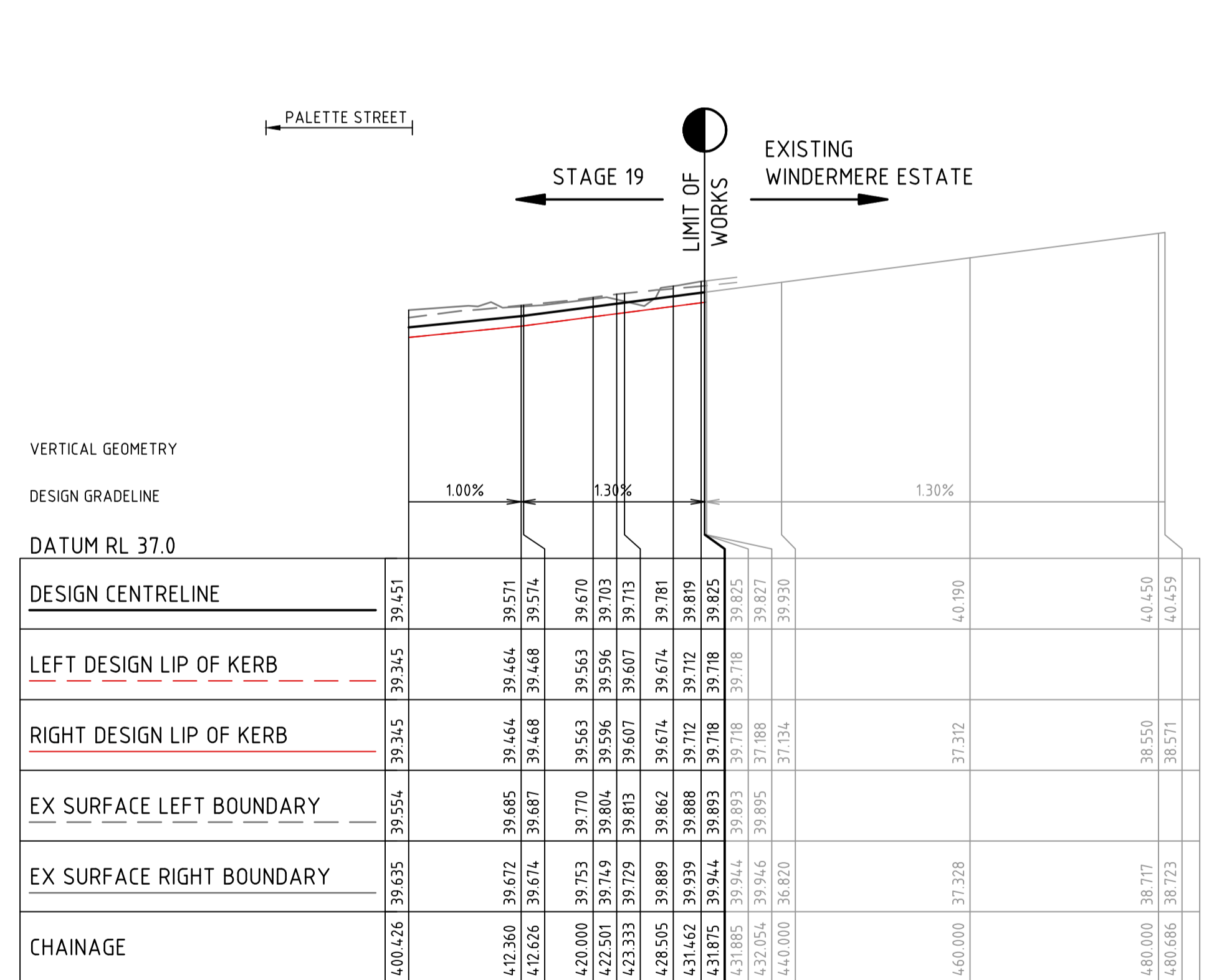
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GLOSS STREET



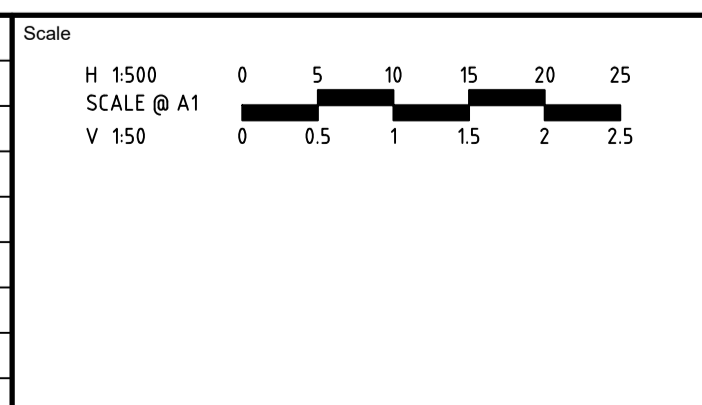
PALETTE STREET



ELLIMATTA ROAD

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Rev	Description	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	STREET NAME UPDATED	ML.R	24/02/23
0	ISSUED FOR CONSTRUCTION	ML.R	12/09/22
B	LEDGES WAY SECTION UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	ML.R	11/07/22



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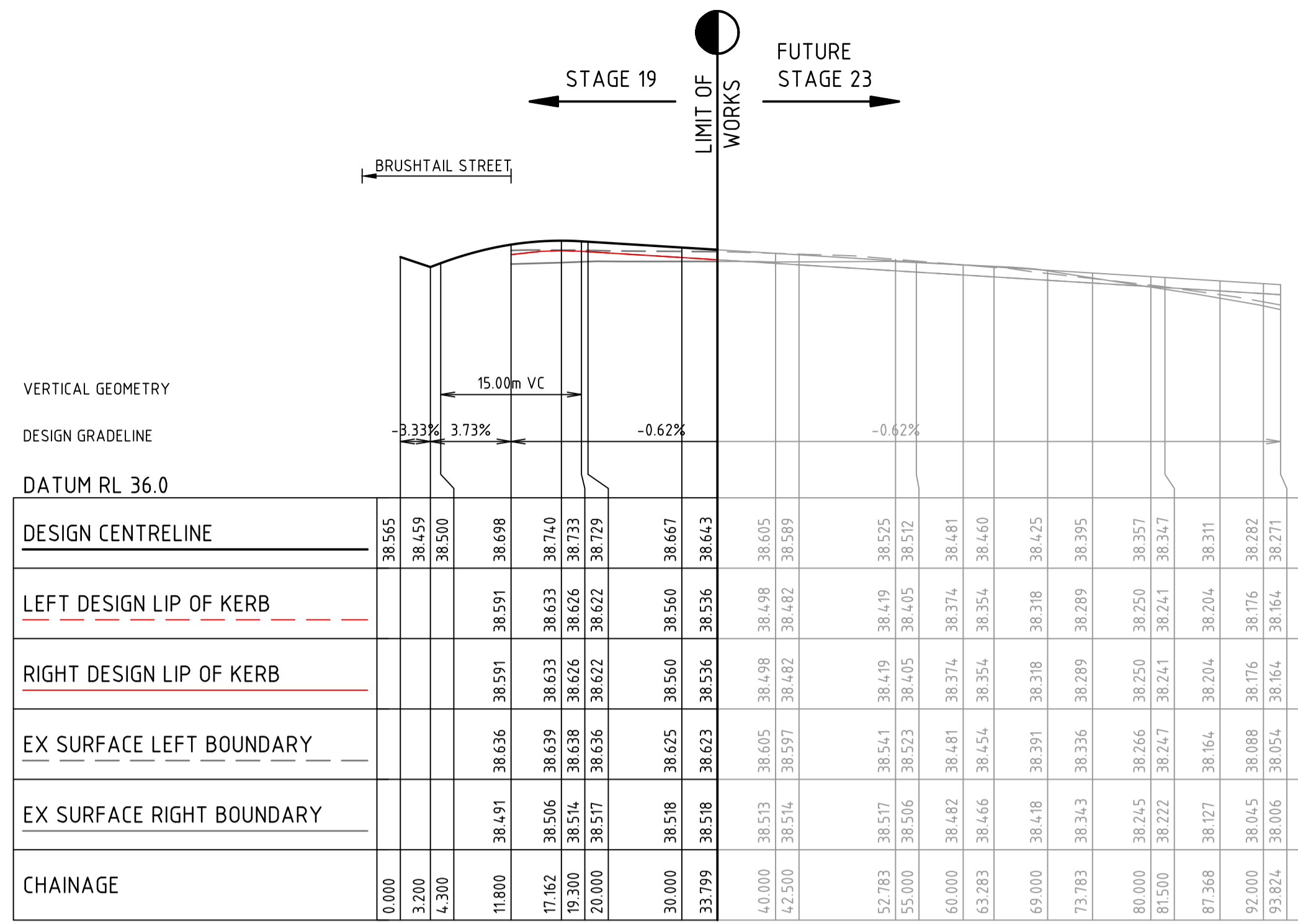
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Authorised: G. KOHLMAN
Date: 07-12-22

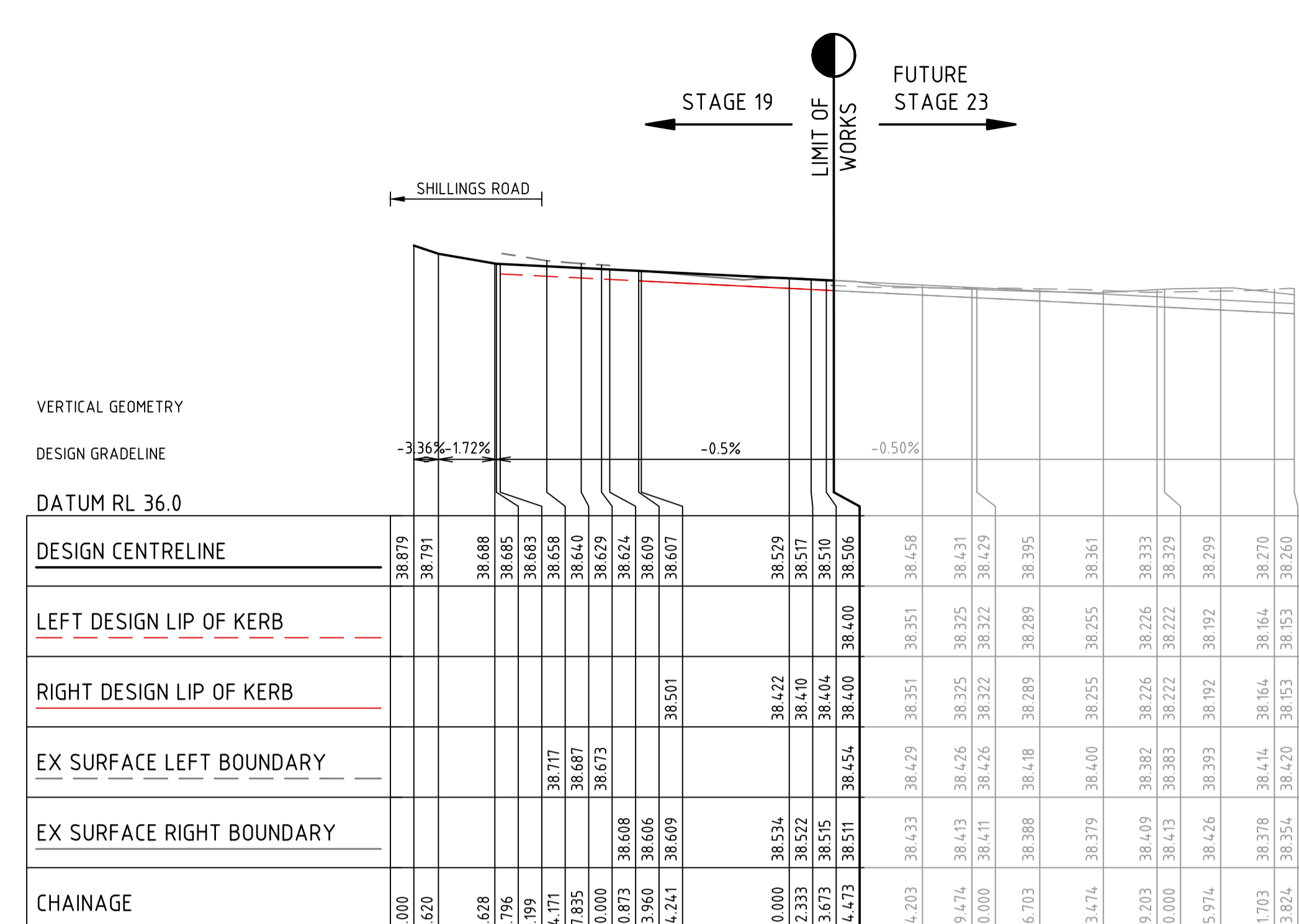
MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
PALETTE STREET & GLOSS STREET LONG SECTIONS
WYNDHAM CITY COUNCIL
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AS CONSTRUCTED Drg No: 309506CR301 Rev: 2

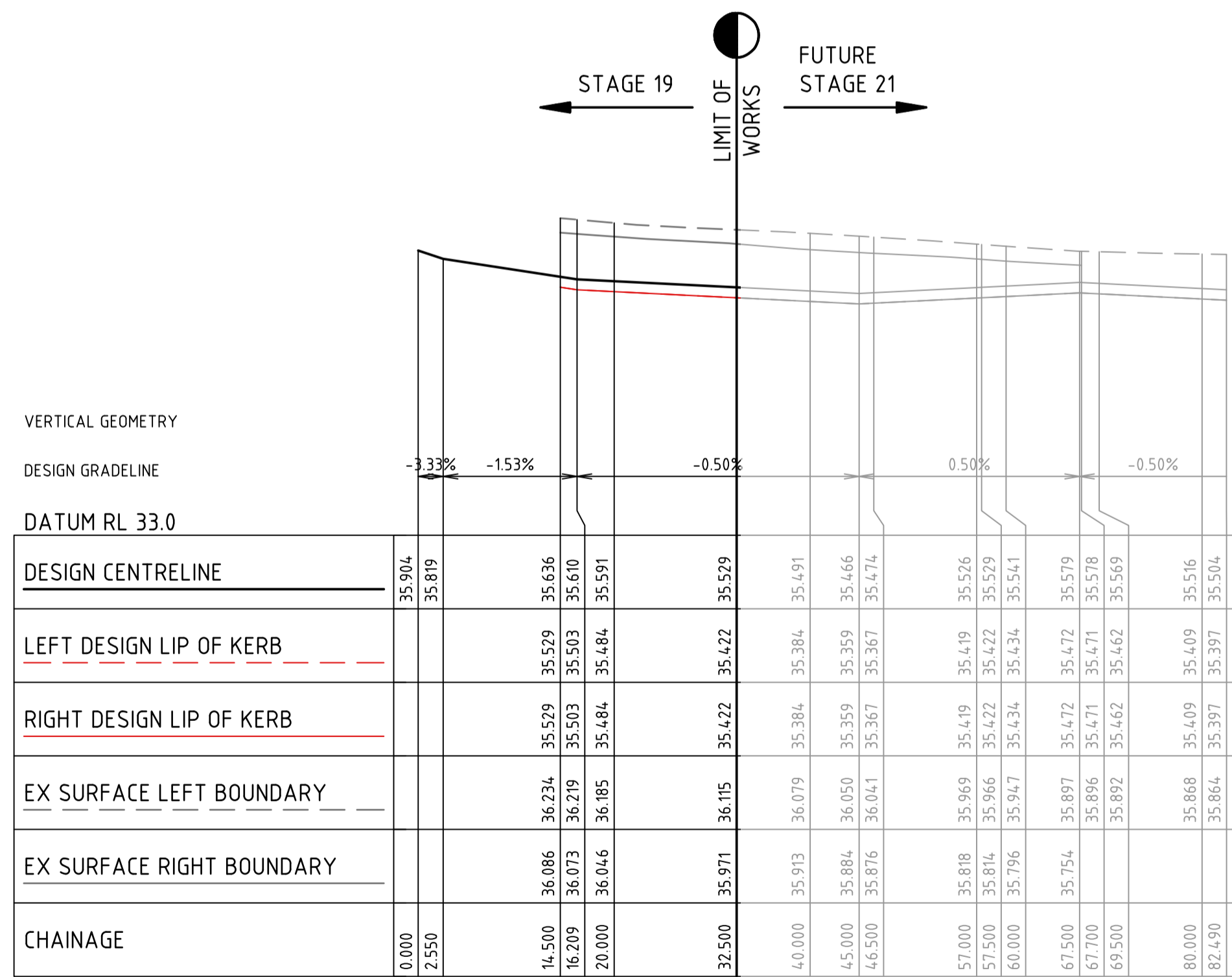
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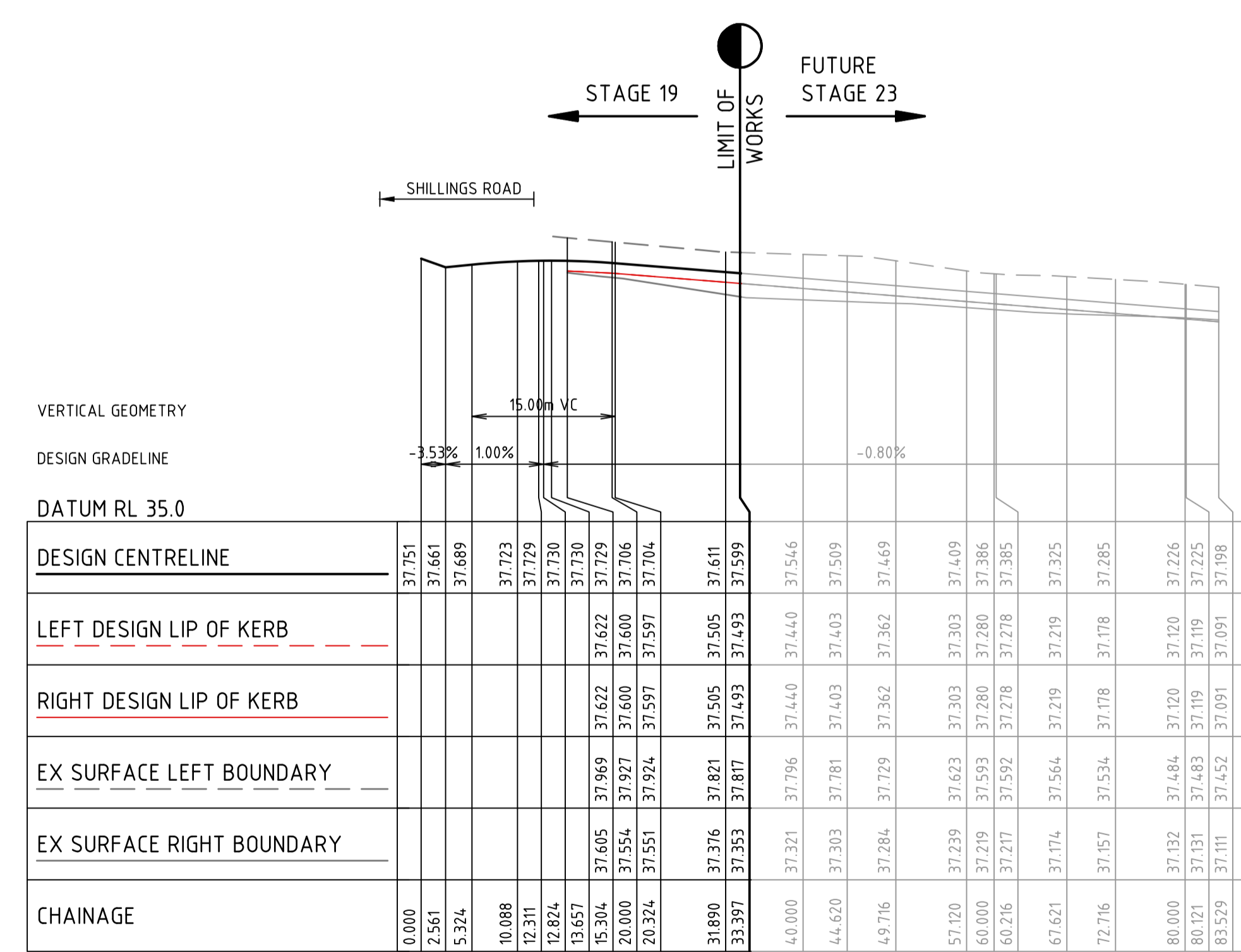
TONAL STREET



BRUSHTAIL STREET

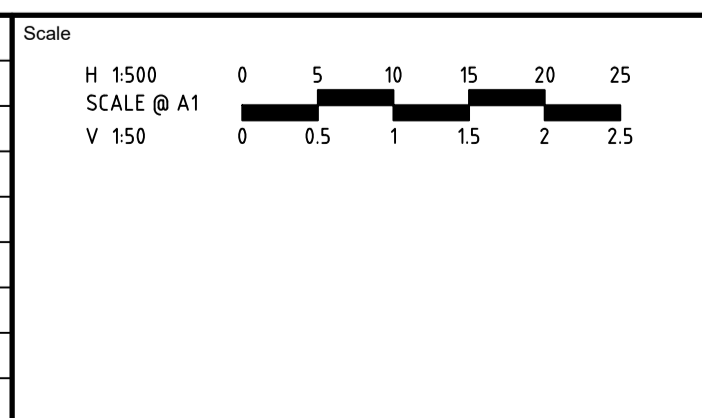


MORANT STREET



NURTURE STREET

3	AS CONSTRUCTED	M.R	23/06/23
2	STREET NAME UPDATED	M.R	24/02/23
1	VC ADDED TO NURTURE STREET	M.I.R	08/11/22
0	ISSUED FOR CONSTRUCTION	M.I.R	12/09/22
B	MORANT STREET SECTION UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	M.I.R	11/07/22
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Checked
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Authorised
G. KOHLMAN

Date
07-12-22

MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
MORANT, TONAL, BRUSHTAIL & NURTURE ST LONG SECTIONS
WYNDHAM CITY COUNCIL
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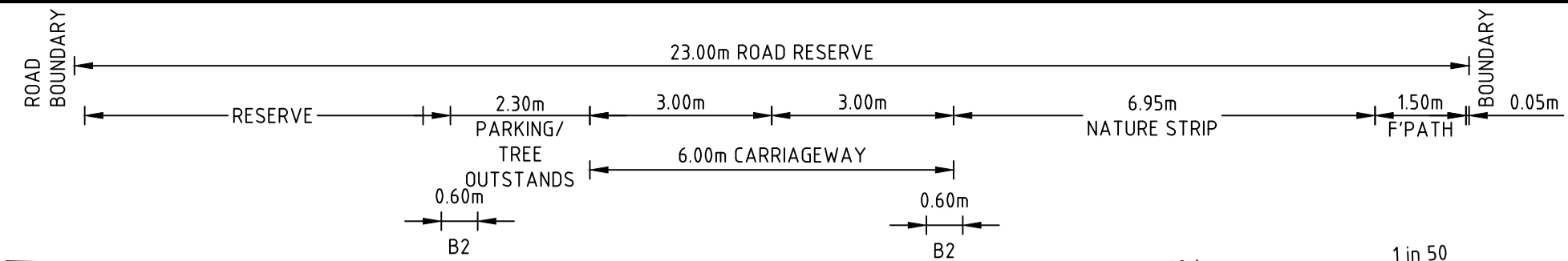
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Rev
3

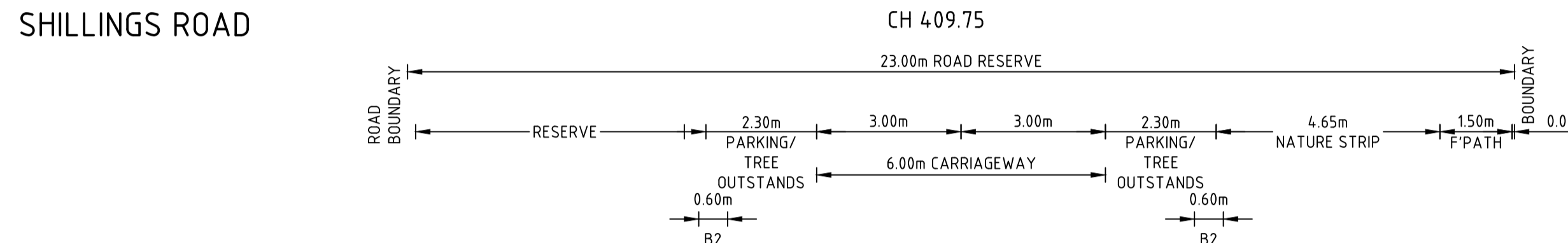
FILLING NOTE
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN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

 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



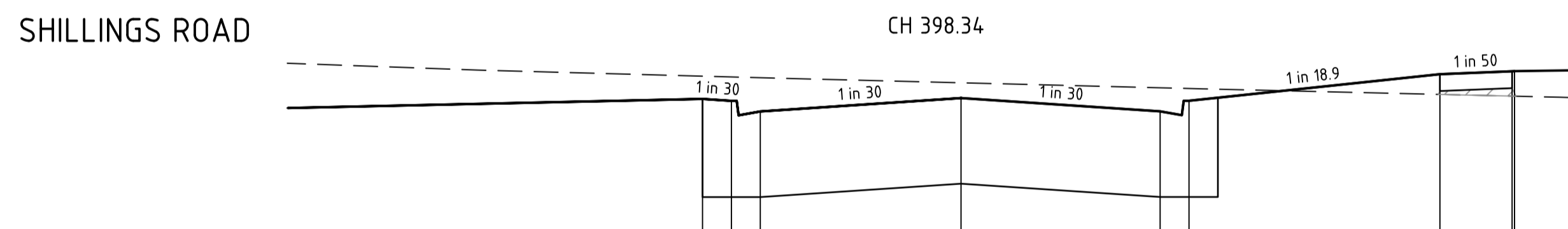
DATUM R.L.35.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
37.350	37.792	-12.767
37.510	37.721	-3.767
37.490	37.716	-3.167
37.380	37.711	-2.567
37.465	37.692	0.000
37.380	37.673	2.552
37.490	37.667	3.152
37.714	37.586	9.950
37.744	37.568	11.450
37.745	37.568	11.500



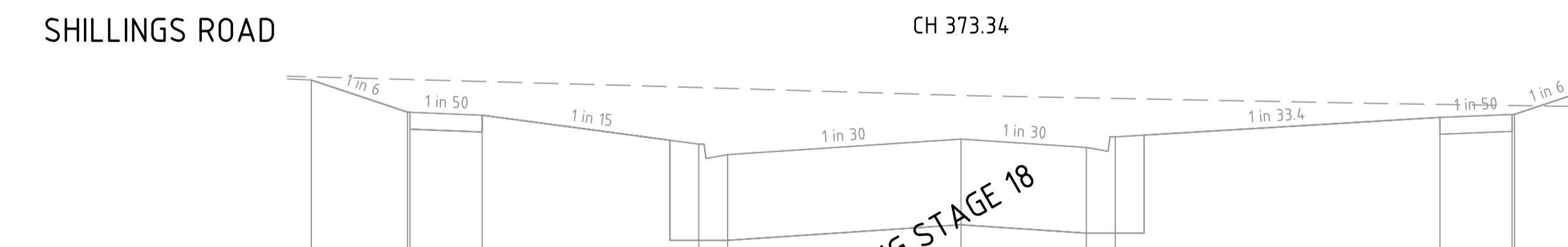
DATUM R.L.35.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
37.181	37.504	-6.050
37.161	37.499	-5.450
37.051	37.493	-4.850
37.212	37.452	0.000
37.051	37.382	4.850
37.161	37.311	5.450
37.461	37.289	9.950
37.491	37.262	11.450
37.492	37.261	11.500



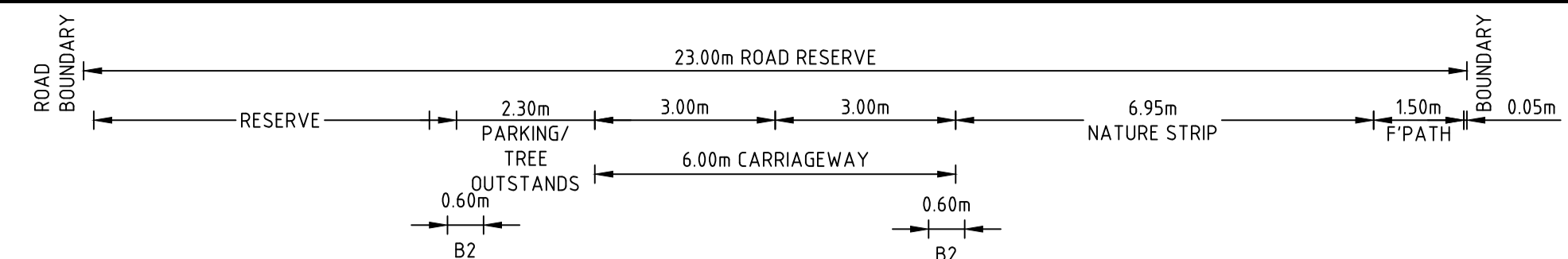
DATUM R.L.35.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
36.649	36.895	-5.572
36.629	36.877	-4.712
36.519	36.869	-4.172
36.658	36.817	0.000
36.520	36.765	4.137
36.630	36.757	4.737
36.906	36.696	9.950
36.936	36.678	11.450
36.938	36.678	11.500



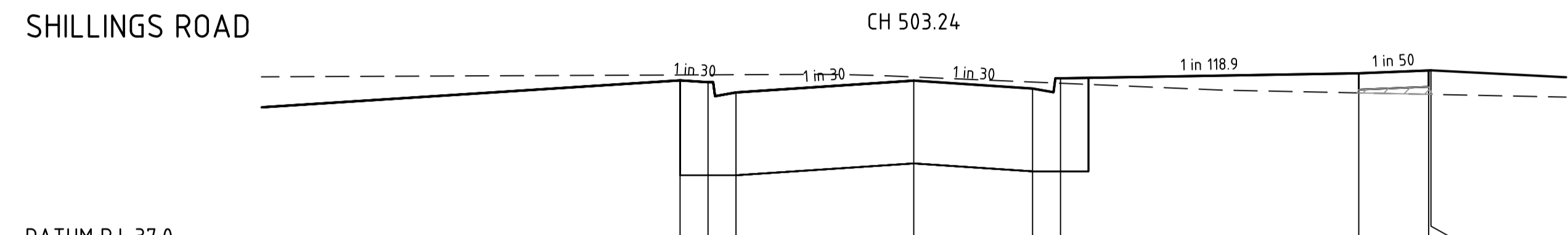
DATUM R.L.34.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
36.012	36.319	-13.500
36.010	36.351	-11.450
35.680	36.267	-5.450
35.570	36.258	-4.850
35.732	36.186	0.000
35.645	36.160	2.605
35.755	36.154	3.205
35.957	36.092	9.950
35.987	36.081	11.450
35.989	36.080	11.500
36.239	36.069	13.000



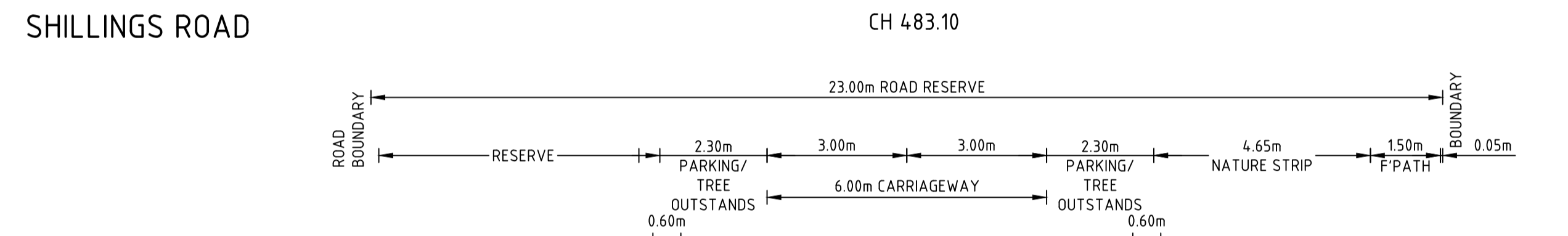
DATUM R.L.37.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
38.883	38.847	-6.050
38.863	38.847	-5.450
38.753	38.845	-4.850
38.915	38.833	0.000
38.830	38.826	2.564
38.940	38.825	3.164
39.087	38.802	10.135
39.117	38.793	11.635
39.118	38.793	11.685
39.285	38.787	12.685



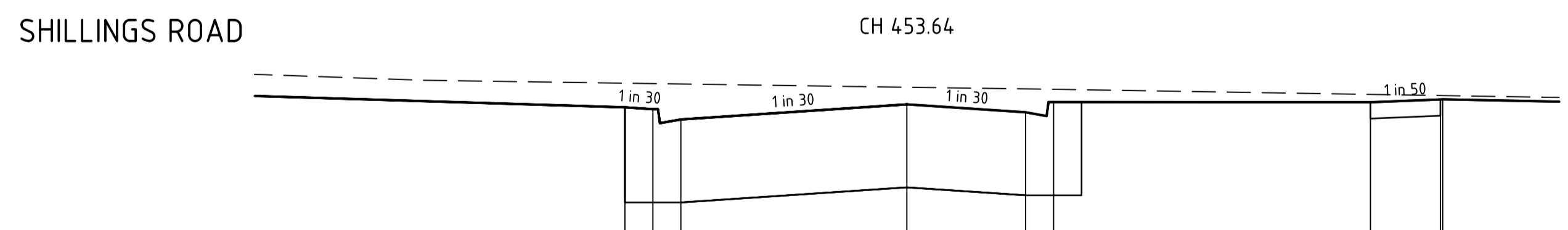
DATUM R.L.37.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
38.817	38.875	-5.015
38.797	38.876	-4.415
38.687	38.878	-3.815
38.814	38.853	0.000
38.729	38.799	2.550
38.839	38.786	3.150
38.893	38.682	9.550
38.923	38.667	11.050
38.925	38.667	11.100



DATUM R.L.36.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
38.407	38.572	-6.050
38.387	38.562	-5.450
38.277	38.551	-4.850
38.439	38.488	0.000
38.277	38.495	4.850
38.387	38.495	5.450
38.687	38.458	9.950
38.717	38.446	11.450
38.719	38.446	11.500

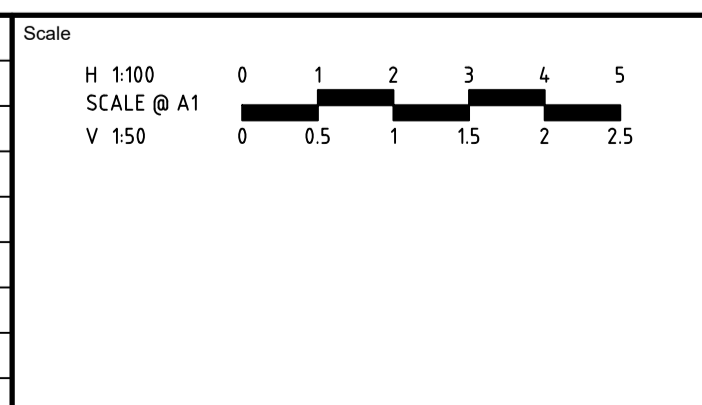


DATUM R.L.36.0

DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL	OFFSET
37.959	38.218	-6.050
37.939	38.214	-5.450
37.829	38.210	-4.850
37.991	38.175	0.000
37.906	38.157	2.550
38.016	38.153	3.150
38.014	38.098	9.950
38.044	38.086	11.450
38.045	38.085	11.500

file:///C:/Users/kevin/Desktop/Projects/23/06/2023/242 PM Sheet_7 of 19 Sheets

Rev	Description	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	EXTRA SECTIONS ADDED	MI.R	08/11/22
0	ISSUED FOR CONSTRUCTION	MI.R	12/09/22
B	LANDSCAPE RESERVE LEVELS ADDED	M.R	31/08/22
A	PRELIMINARY ISSUE	MI.R	11/07/22
Rev	Amendments	Approved	Date



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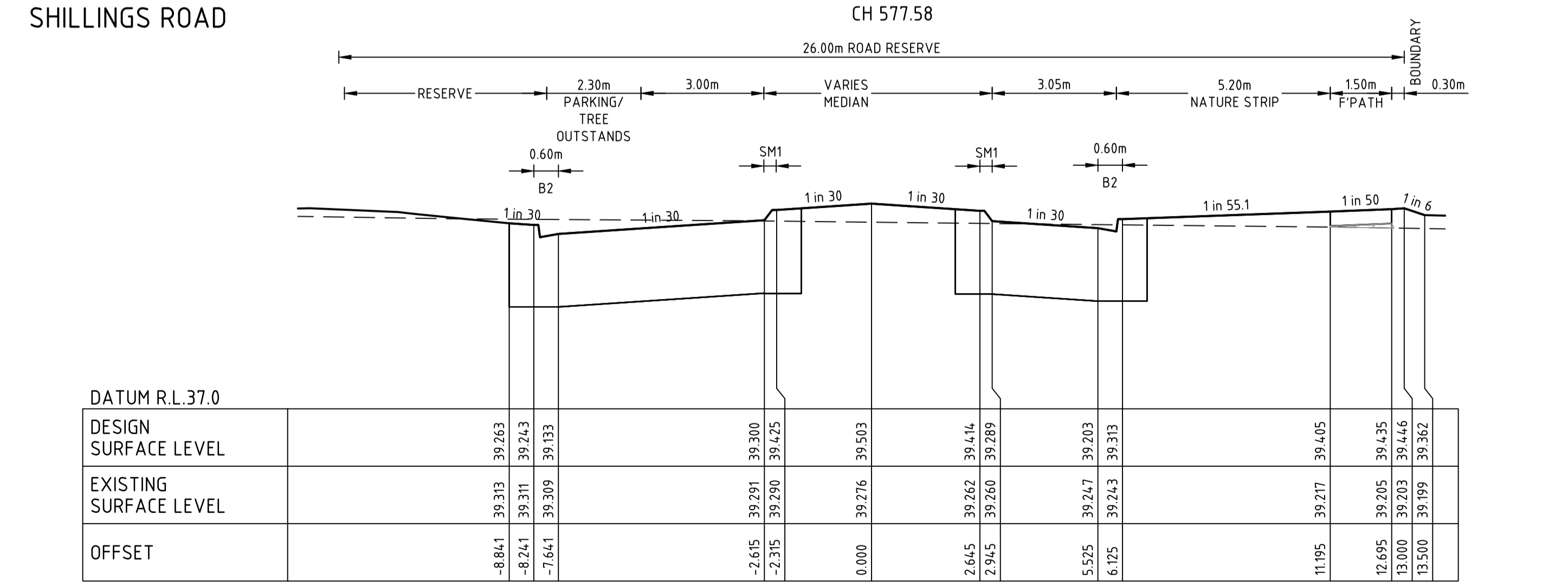
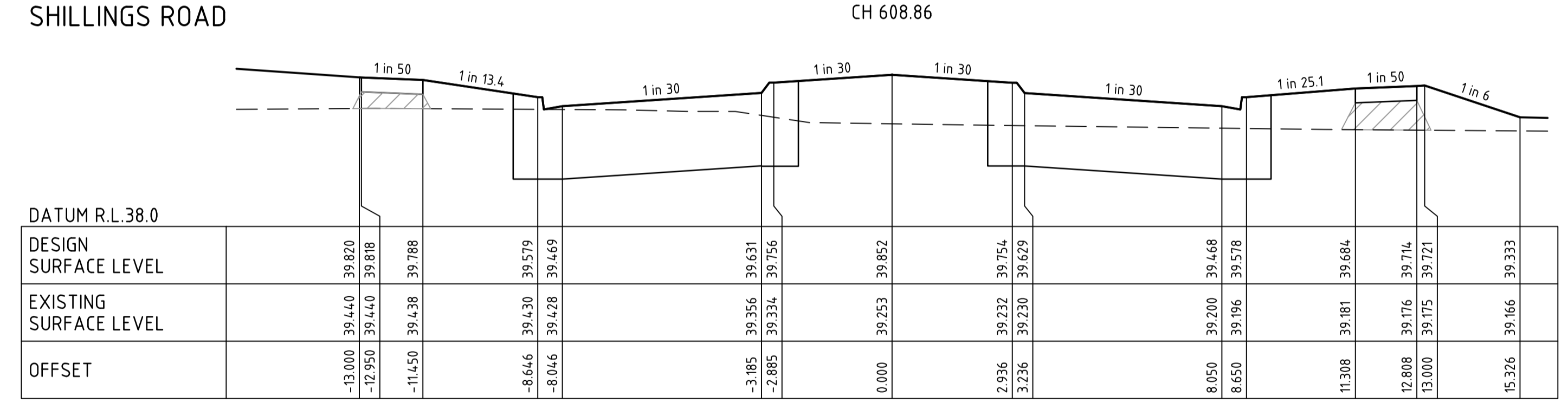
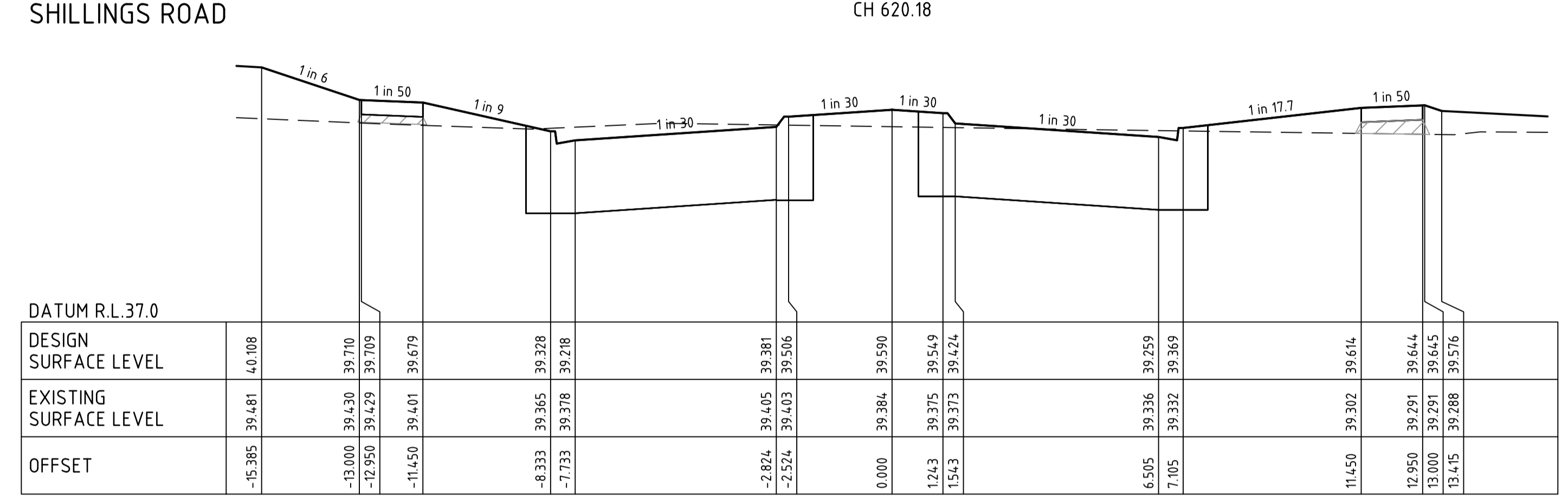
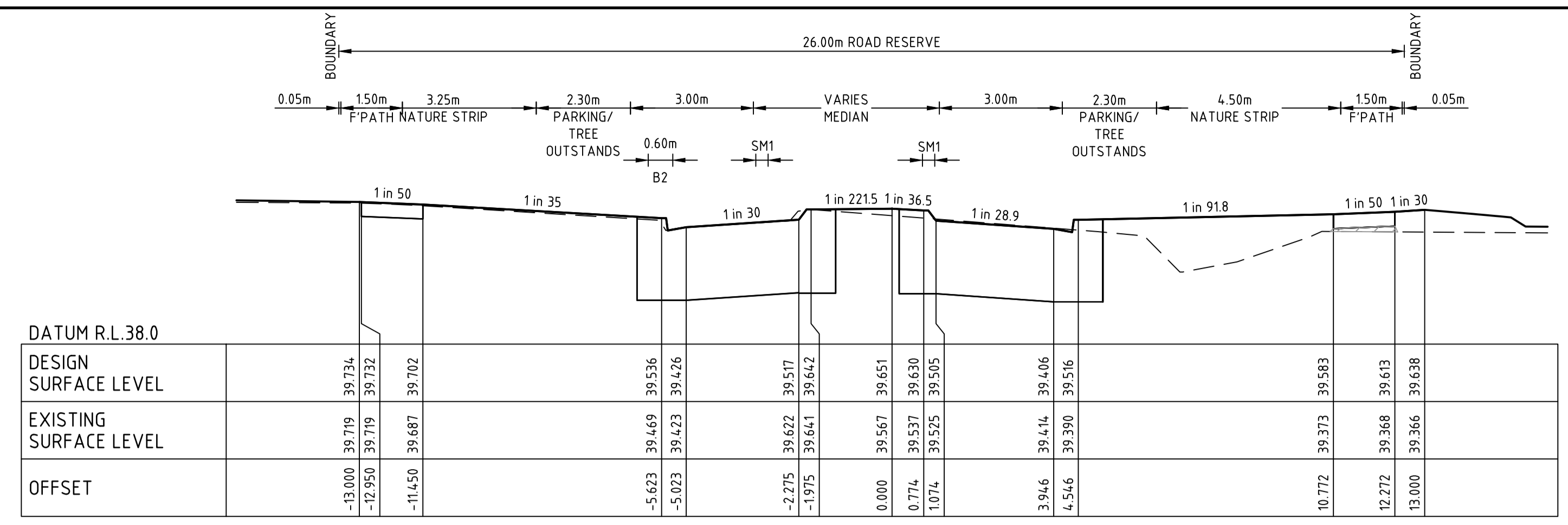
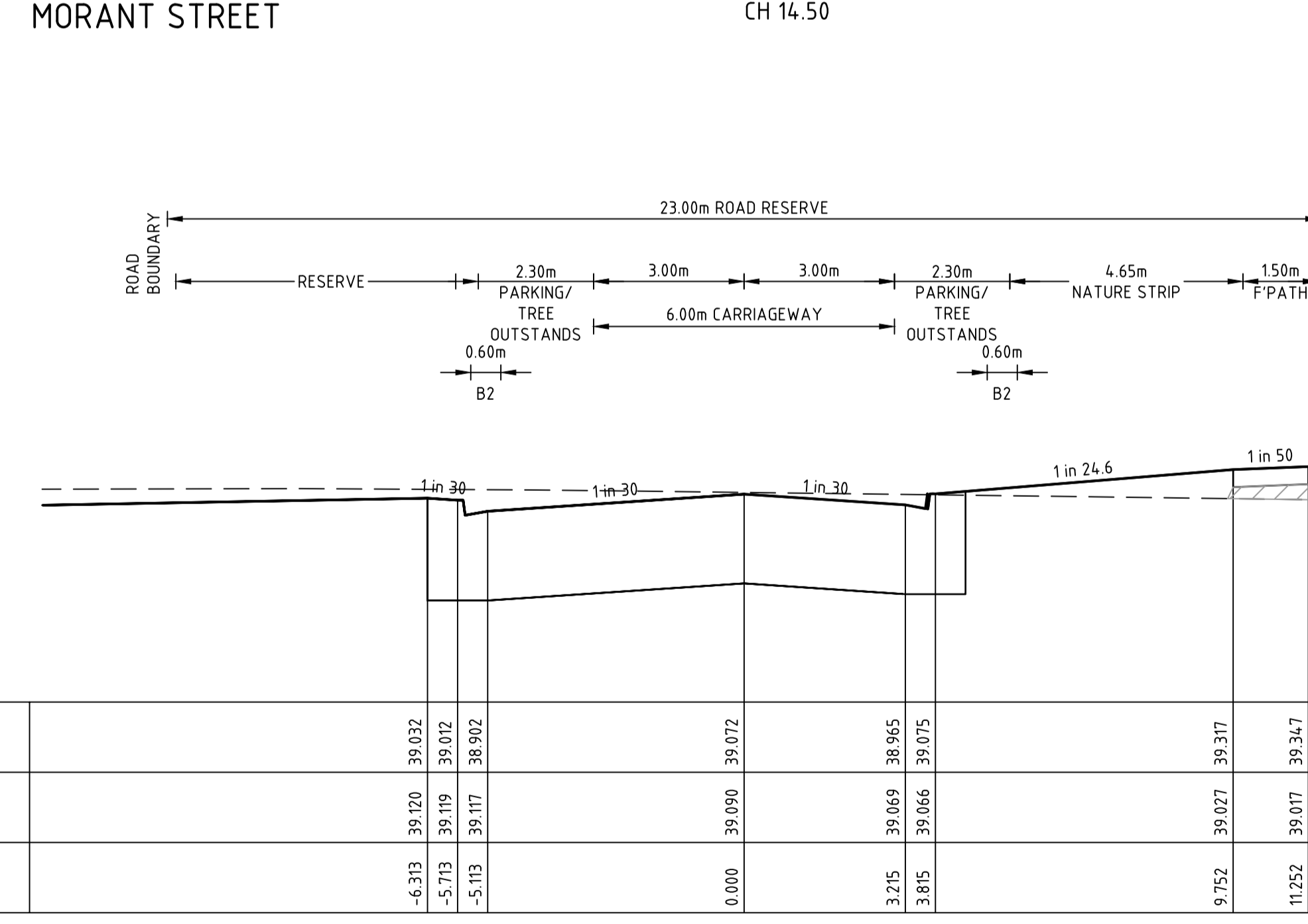
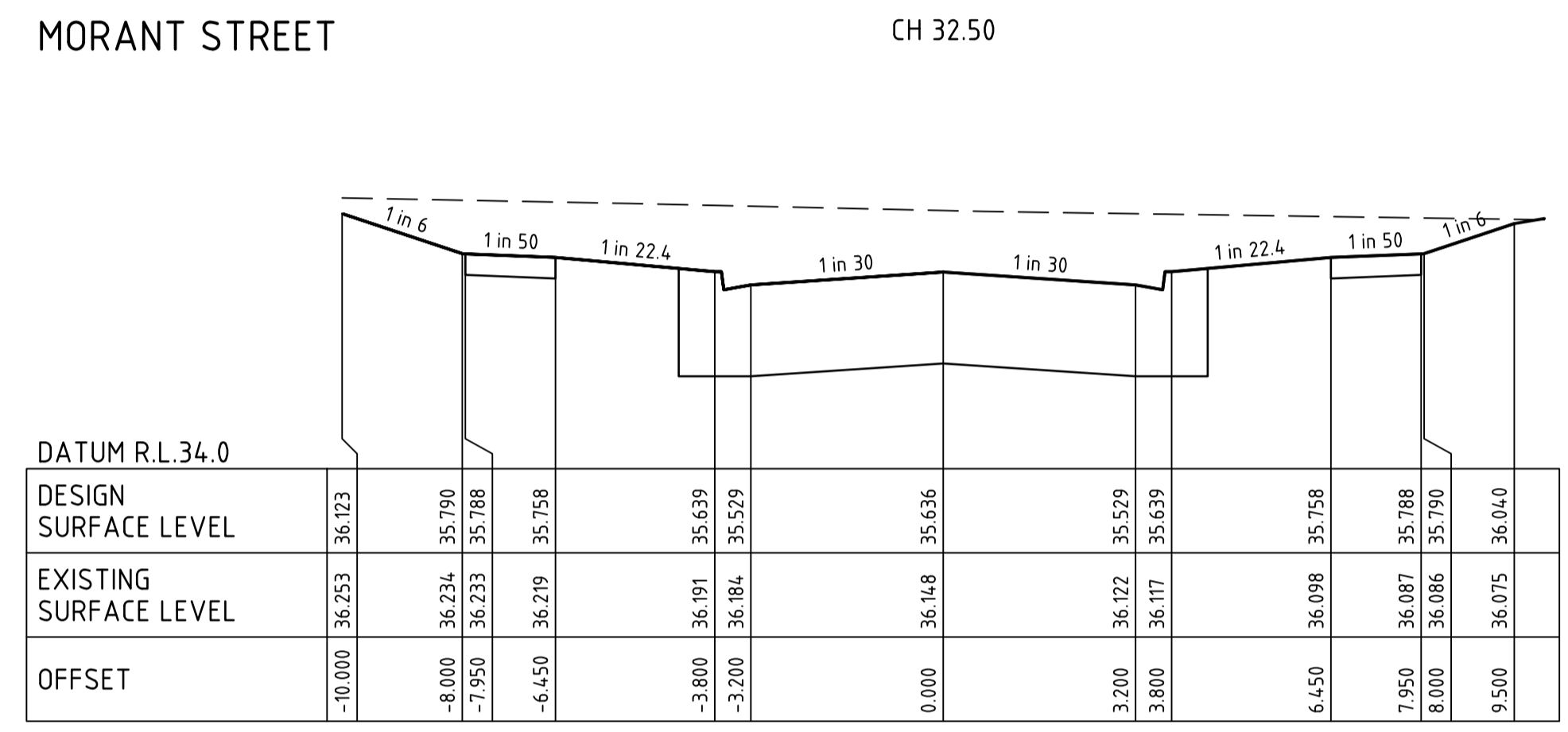
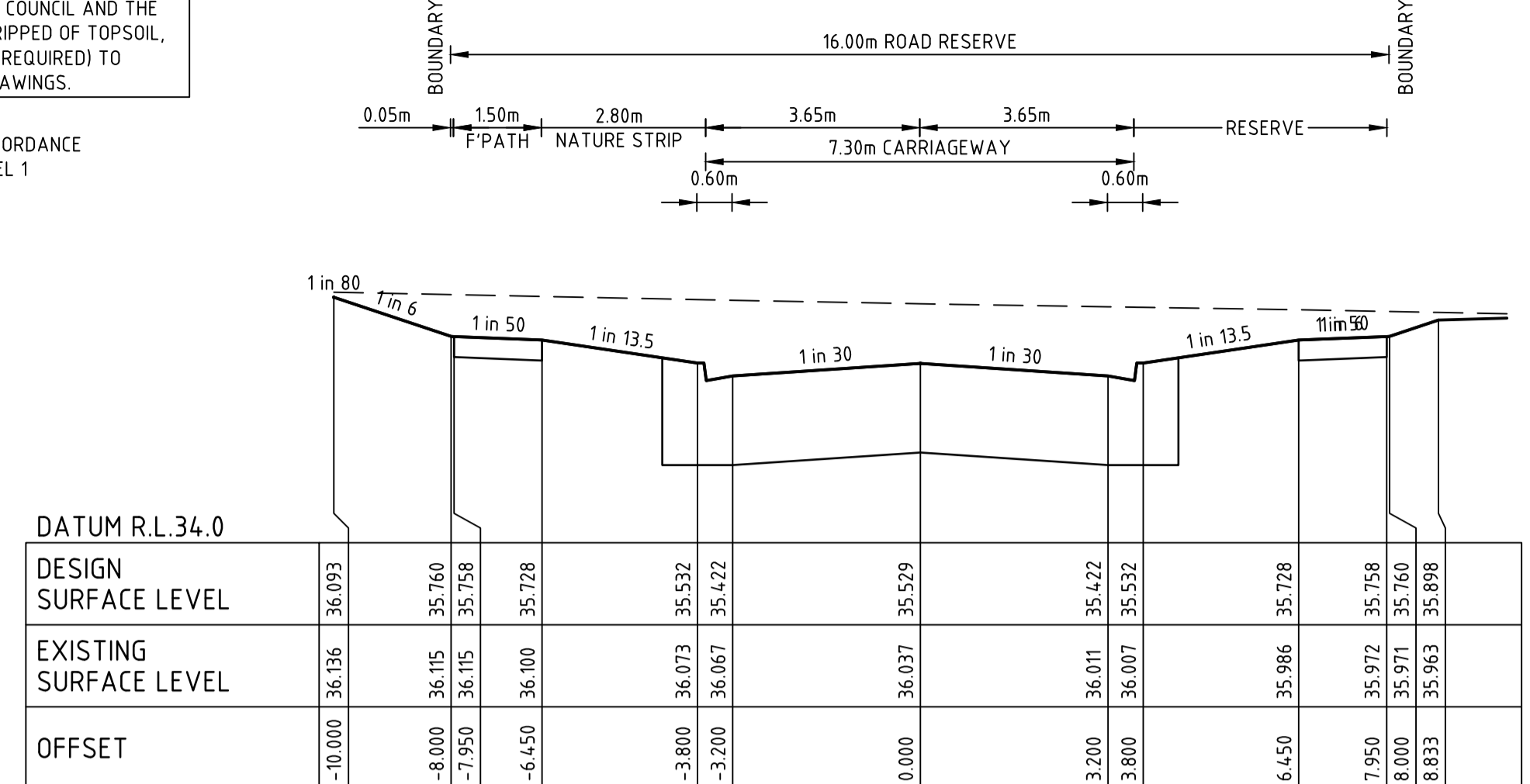
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Mambourin
 Designed: K. FEARN-WANNAN
 Authorised: G. KOHLMAN
 Checked: G. KOHLMAN
 Date: 07-12-22

MAMBOURIN STAGE 19
 ROAD AND DRAINAGE
 SHILLINGS ROAD CROSS SECTIONS
 WYNDHAM CITY COUNCIL
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AS CONSTRUCTED Drg No 309506CR400 Rev 2

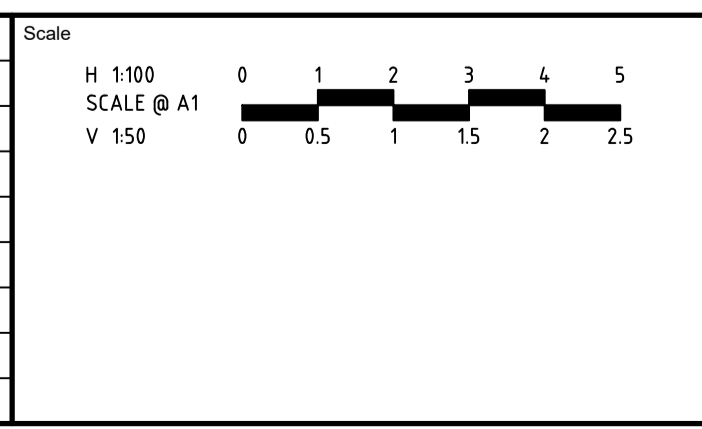
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STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



file name: 309506CR401.dwg; layout name: CR401; plot date: 23/06/2023 2:42 PM Sheet: 8 of 19 Sheets

Rev	Amendments	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	MEDIAN STRIP LEVELS UPDATED	MI.R	08/11/22
0	ISSUED FOR CONSTRUCTION	MI.R	12/09/22
B	LANDSCAPE RESERVE LEVELS ADDED	M.R	31/08/22
A	PRELIMINARY ISSUE	MI.R	11/07/22



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Mambourin

Designed
 K. FEARN-WANNAN

Checked
 G. KOHLMAN

Authorised
 G. KOHLMAN

Date
 07-12-22

MAMBOURIN STAGE 19
 ROAD AND DRAINAGE
 SHILLINGS ROAD & MORANT STREET CROSS SECTIONS
 WYNDHAM CITY COUNCIL
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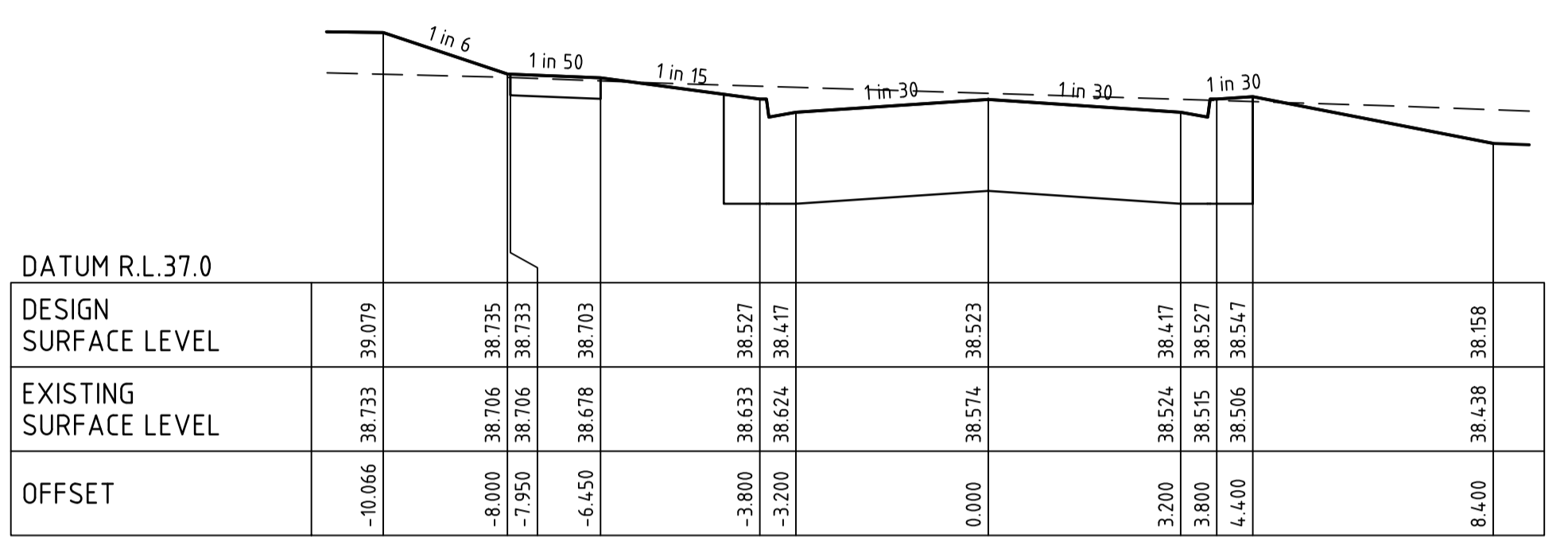
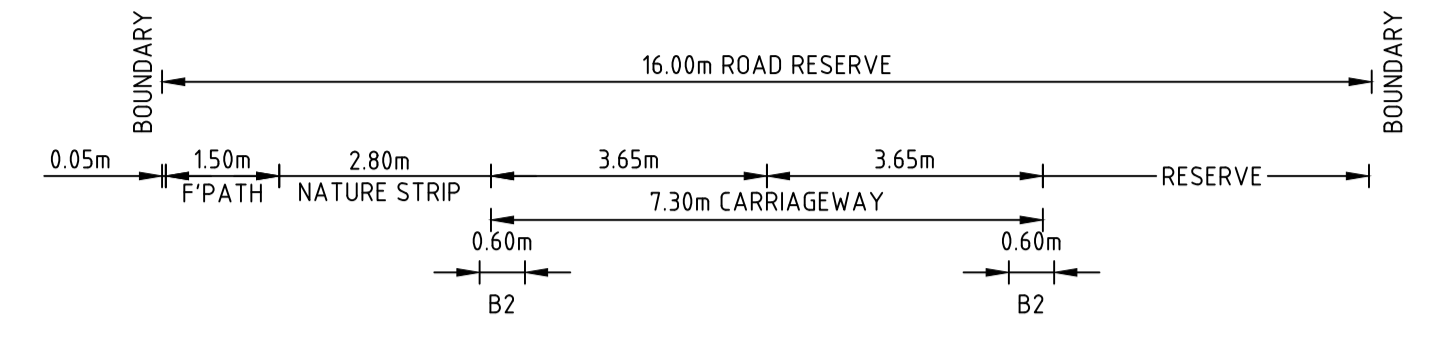
AS CONSTRUCTED

Drg No
309506CR401

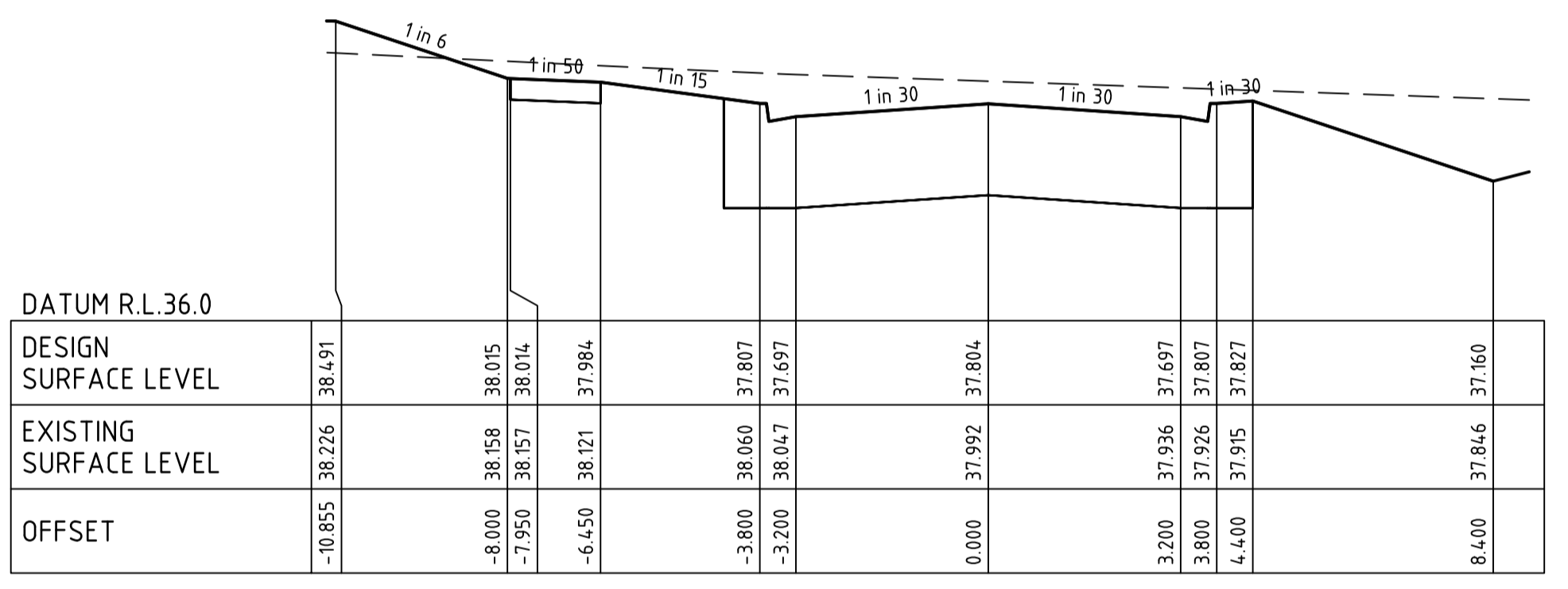
Rev
2

FILLING NOTE
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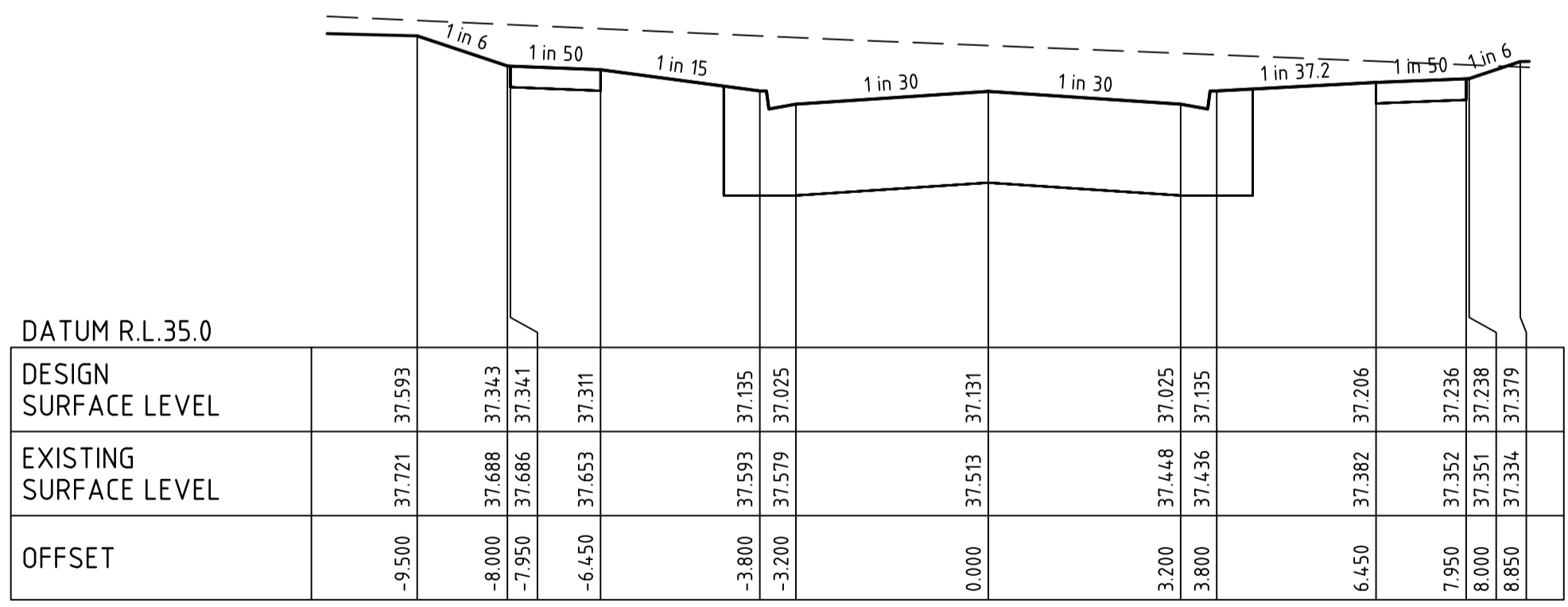
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



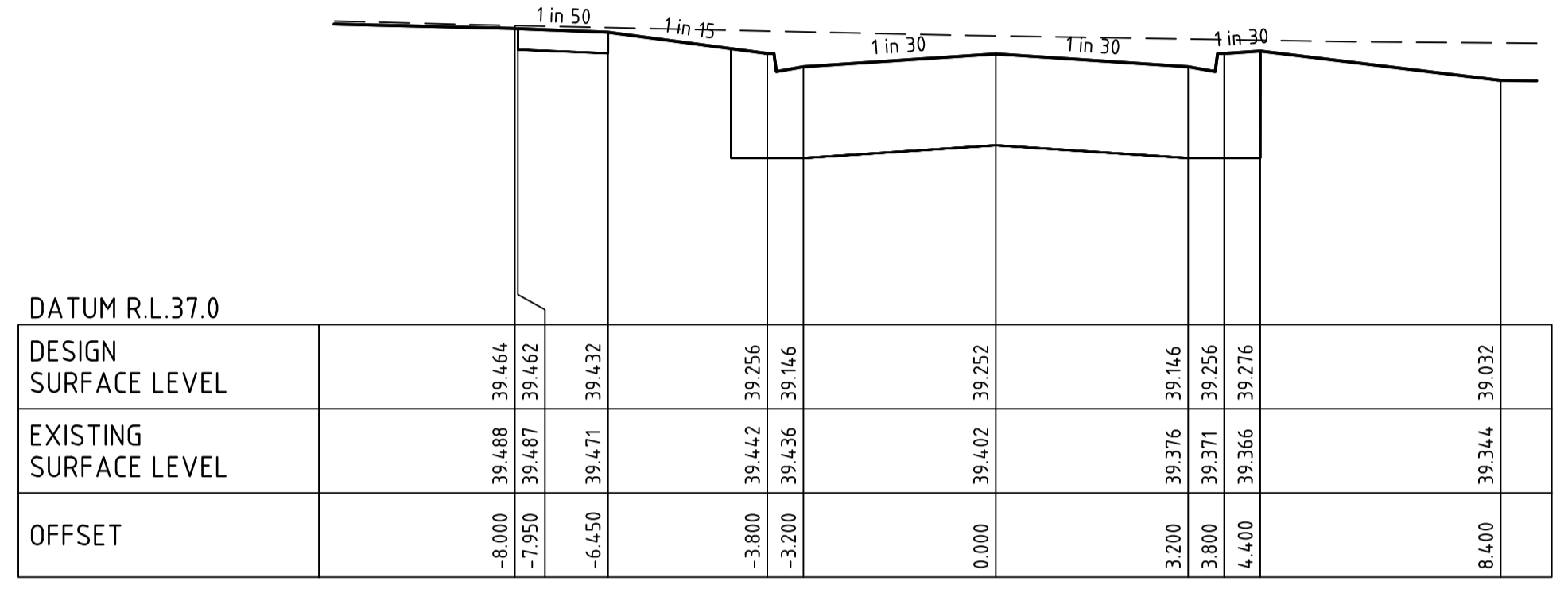
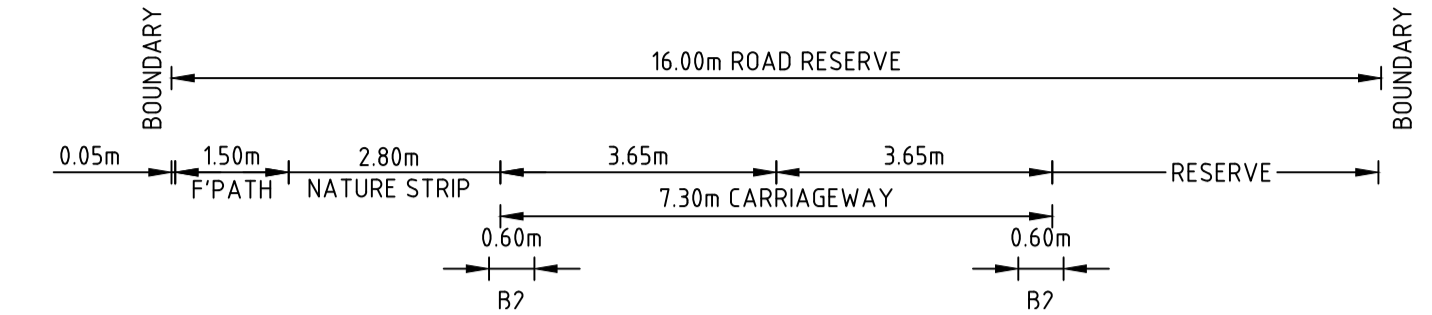
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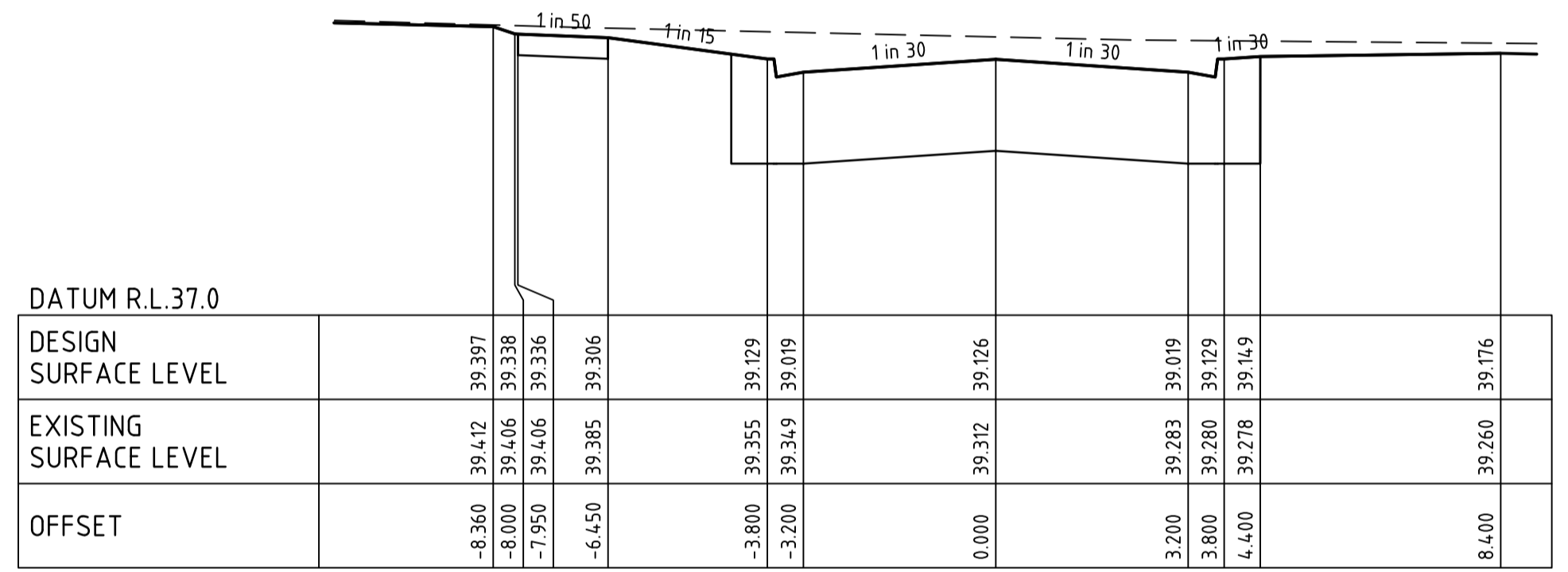
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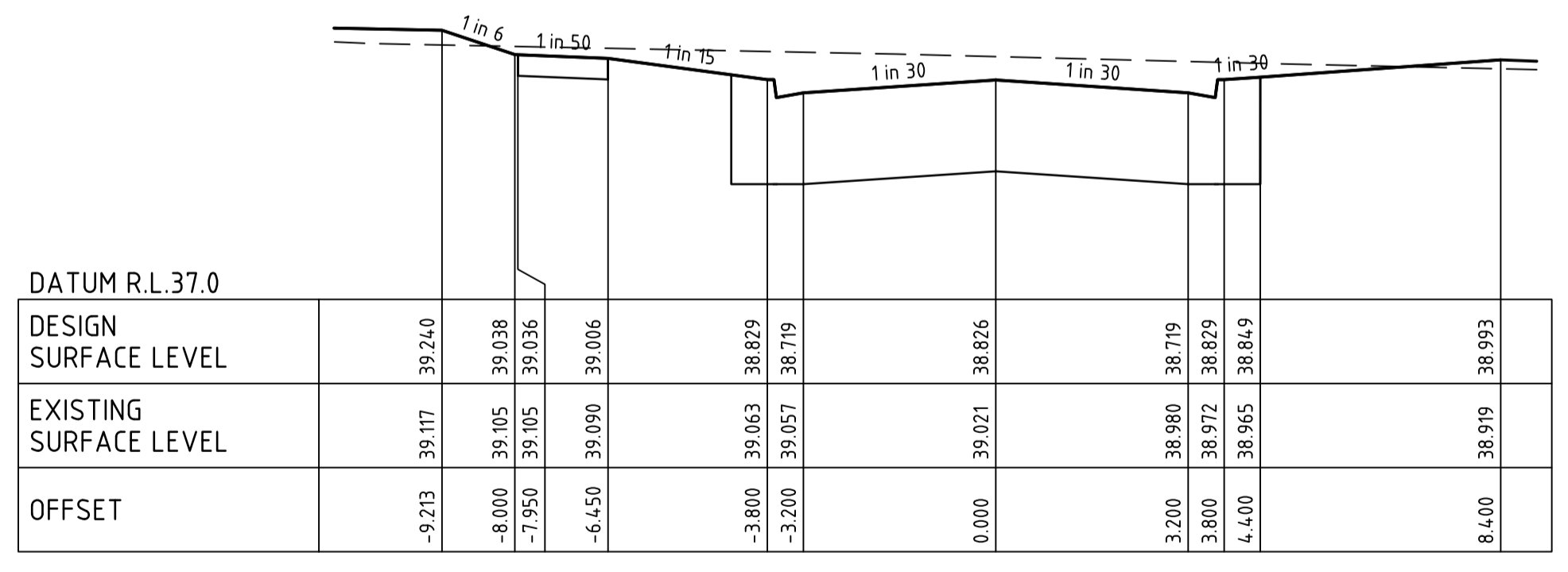
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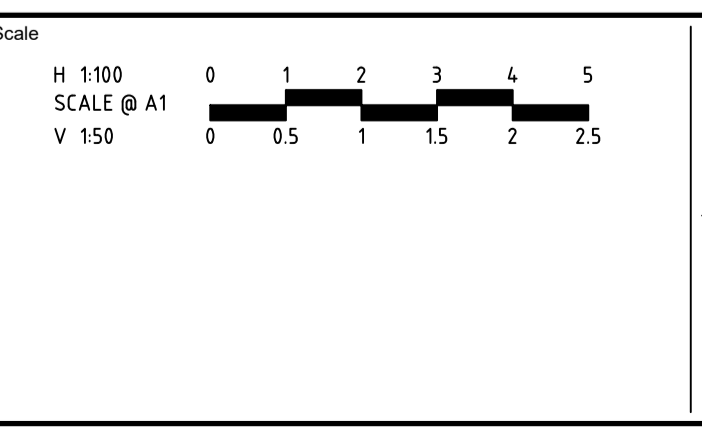
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PALETTE STREET CH 337.86


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1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.L.R	12/09/22
B	LANDSCAPE RESERVE LEVELS ADDED	M.R	31/08/22
A	PRELIMINARY ISSUE	M.L.R	11/07/22
Rev	Amendments	Approved	Date




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 Authorised
G. KOHLMAN


 Checked
G. KOHLMAN
 Date
07-12-22

MAMBOURIN
STAGE 19
 ROAD AND DRAINAGE
 PALETTE STREET CROSS SECTIONS
 WYNDHAM CITY COUNCIL
 FRASERS PROPERTY LTD

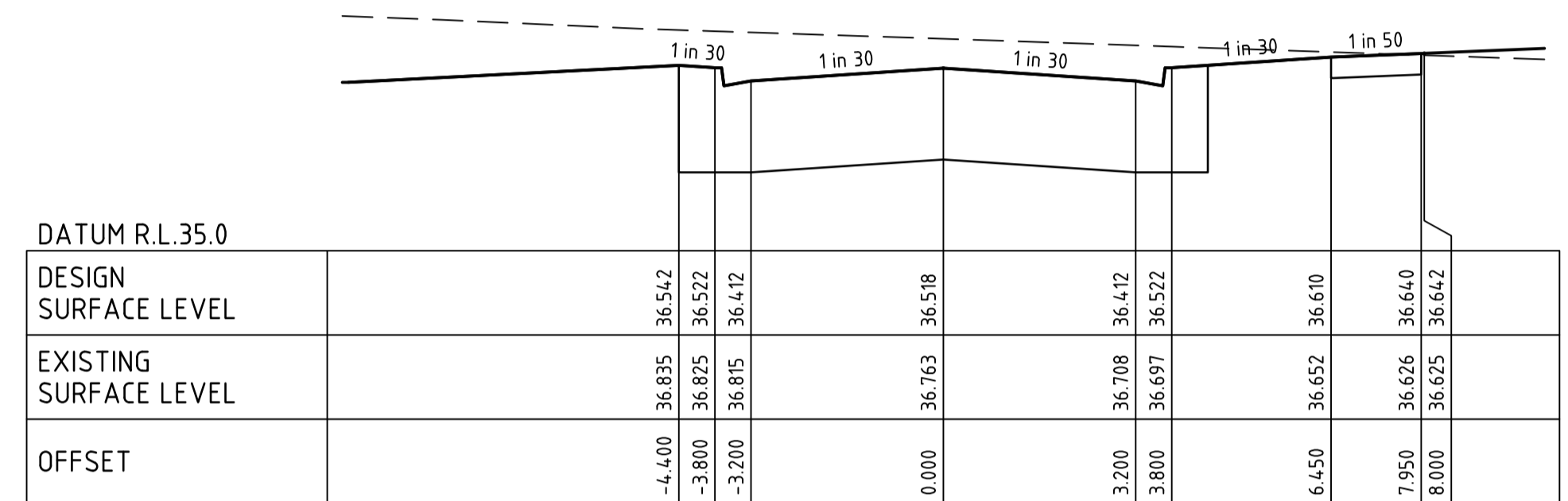
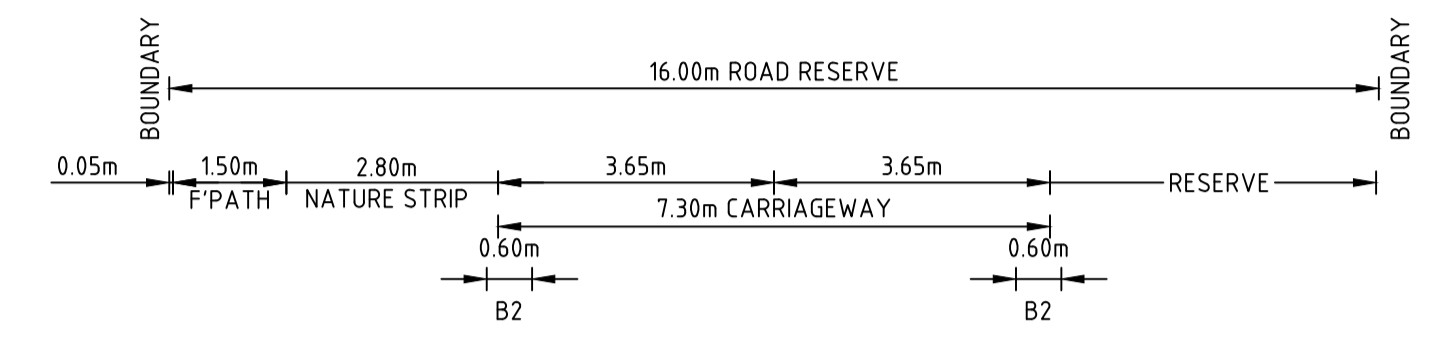
AS CONSTRUCTED

Drg No
309506CR402

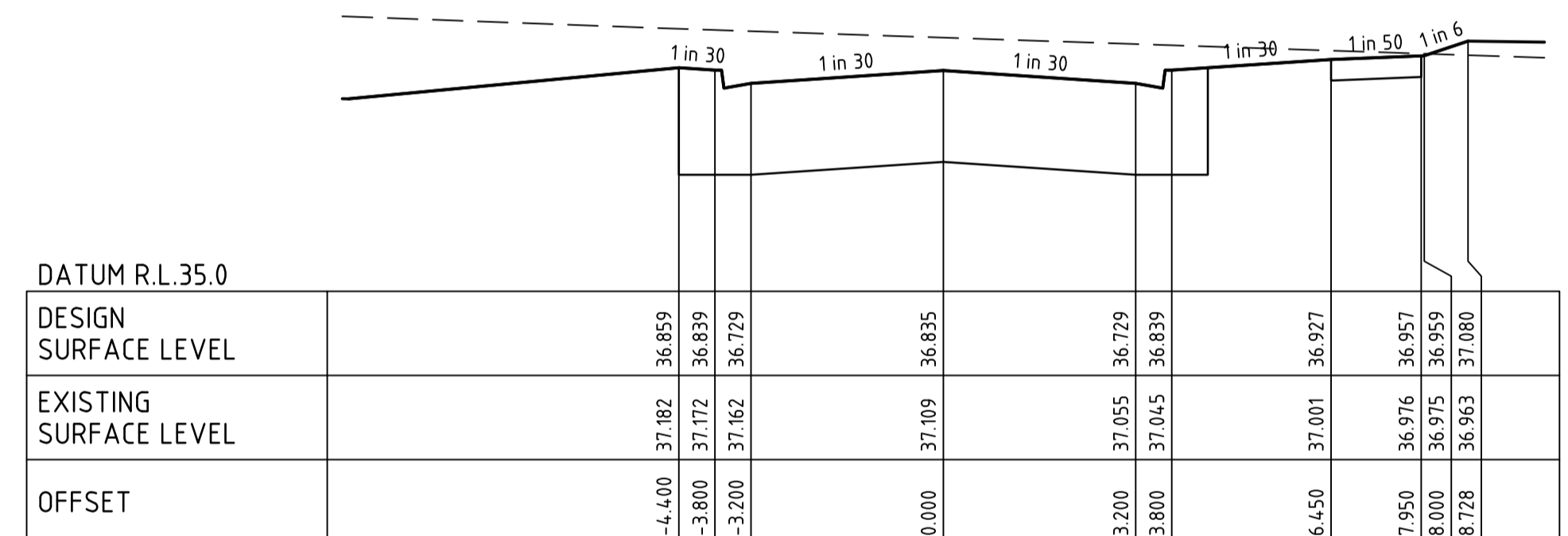
Rev
1

FILLING NOTE
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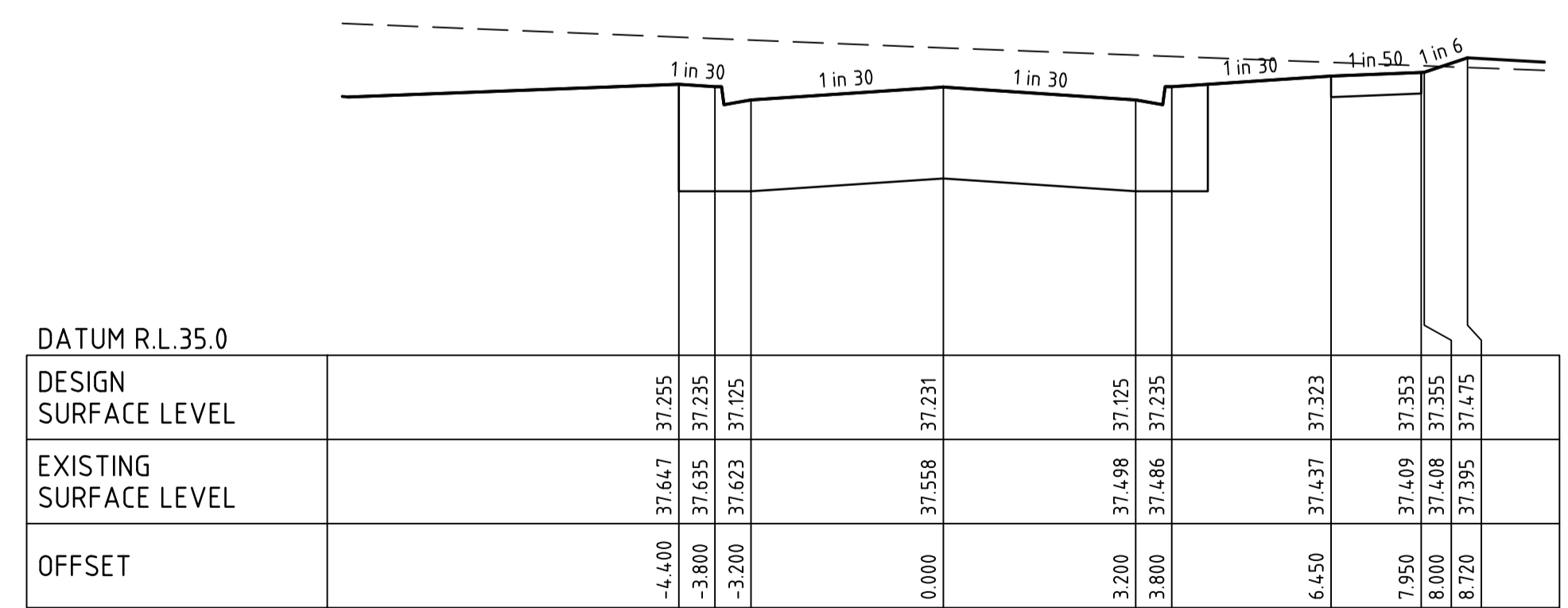
 STRUCTURAL FILL IN ACCORDANCE WITH AS3798-2007, LEVEL 1



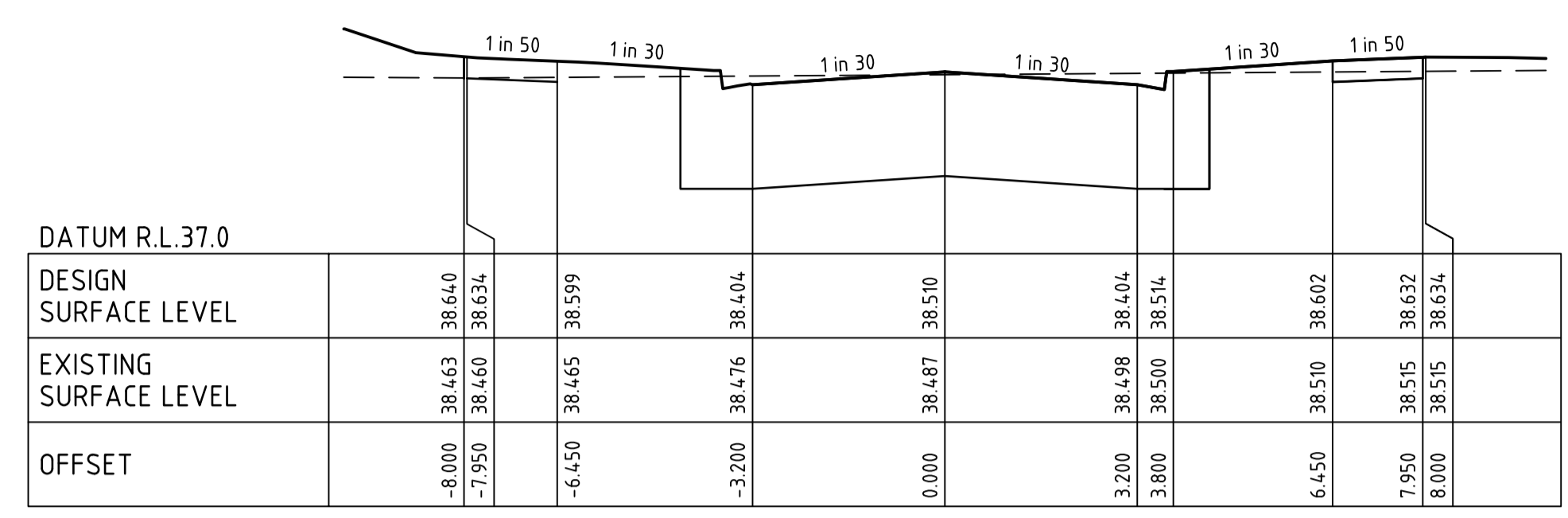
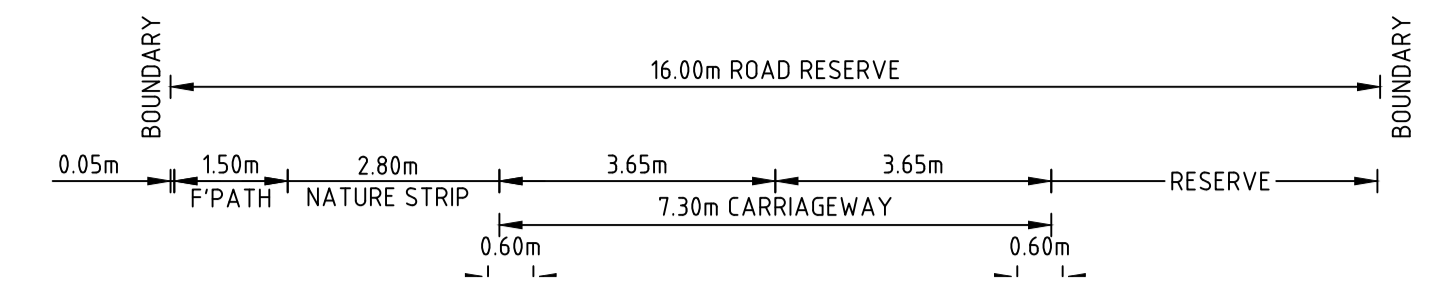
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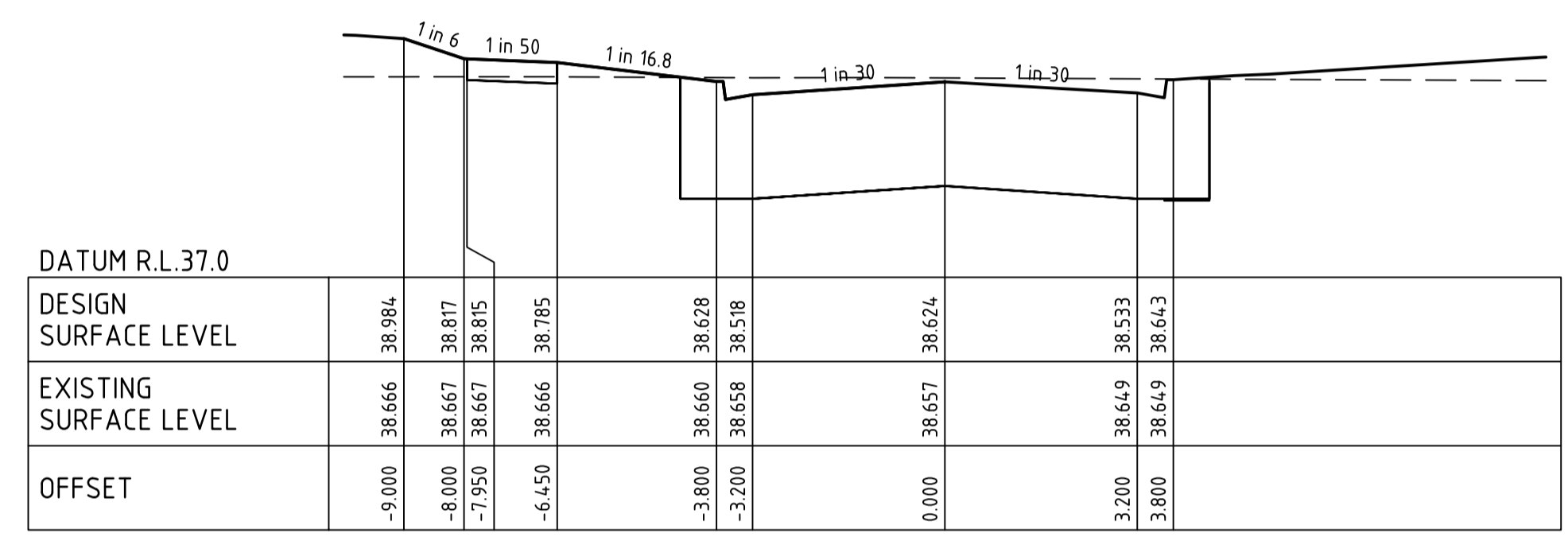
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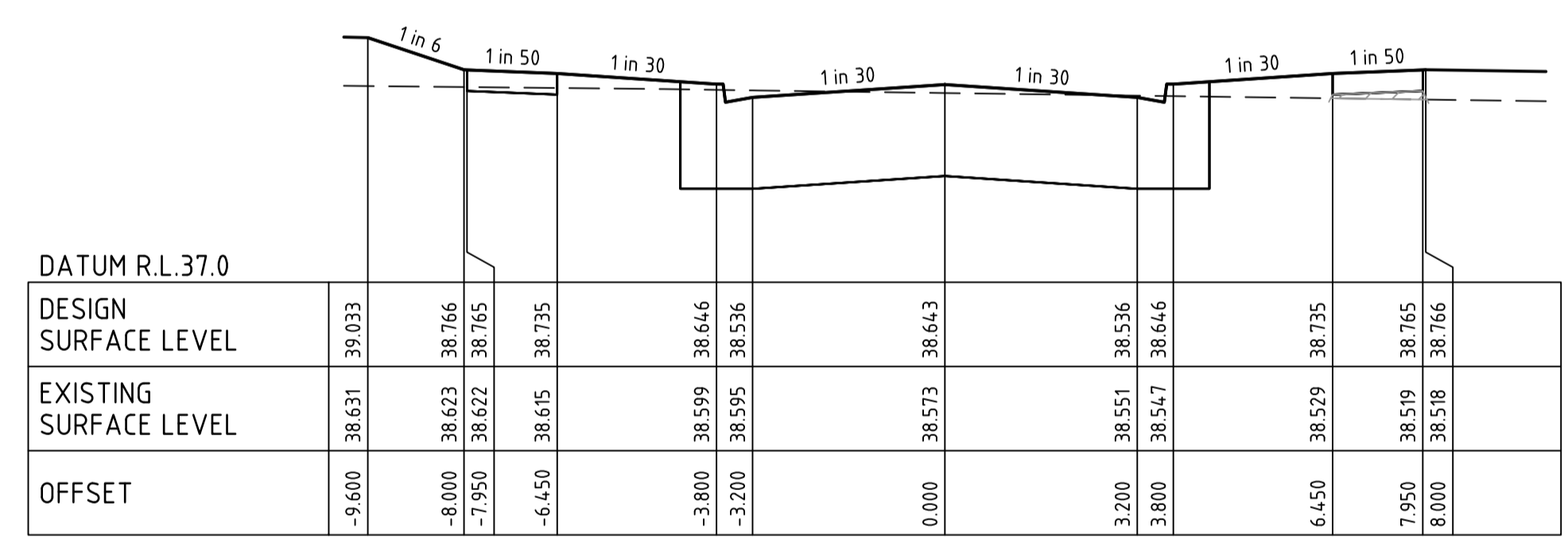
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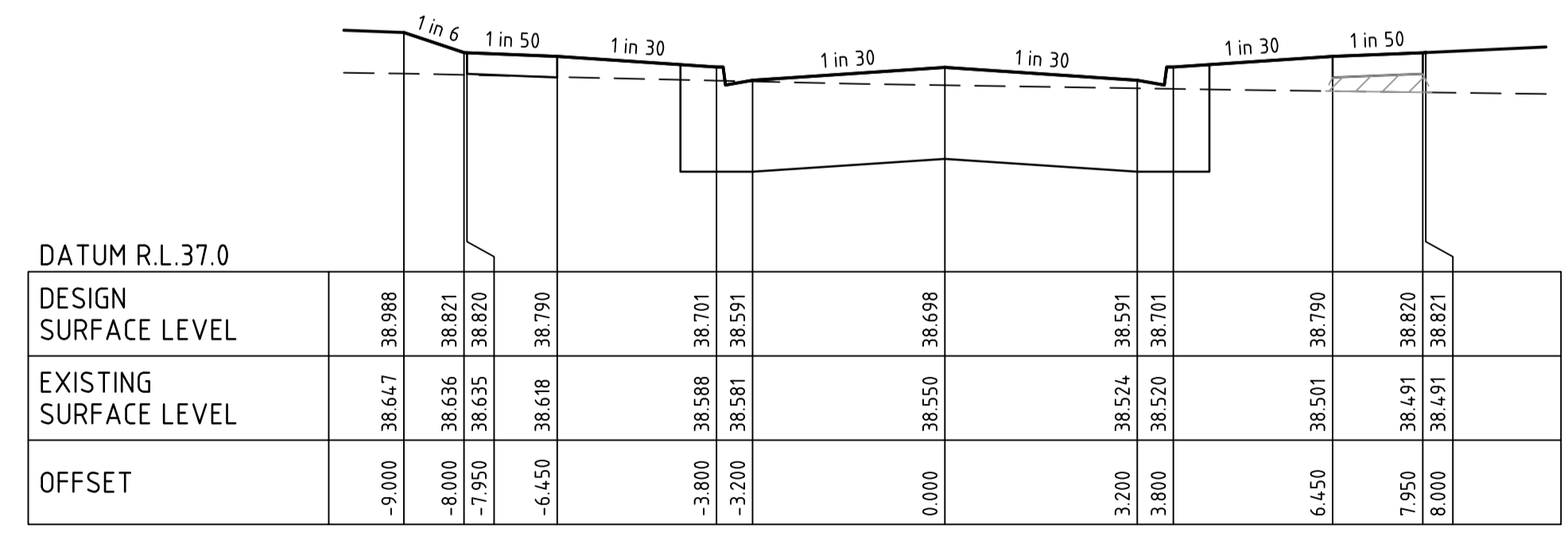
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BRUSHTAIL STREET CH 20.87



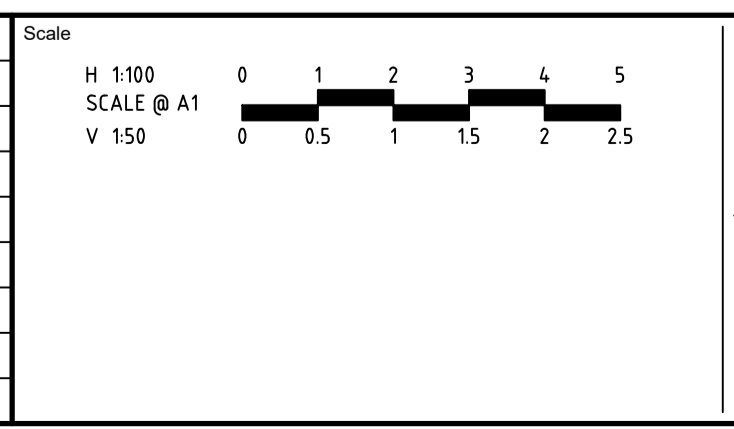
TONAL STREET CH 33.80




TONAL STREET CH 11.80


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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	12/09/22
B	LANDSCAPE RESERVE LEVELS ADDED	M.R	31/08/22
A	PRELIMINARY ISSUE	MLR	11/07/22




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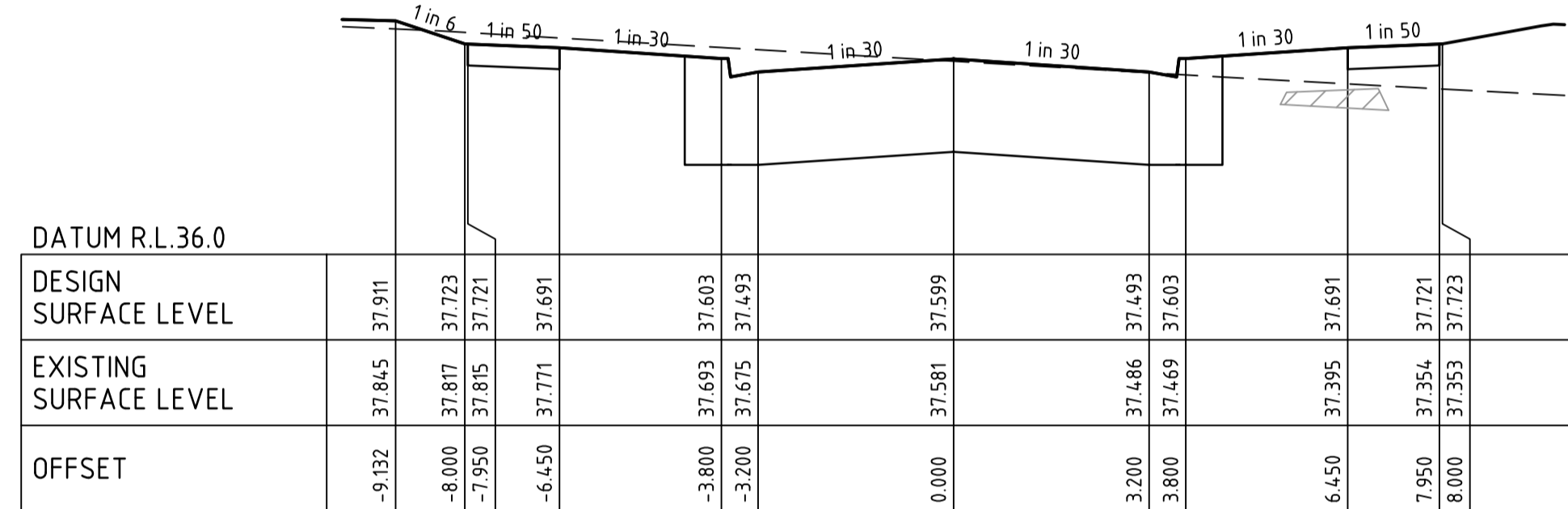
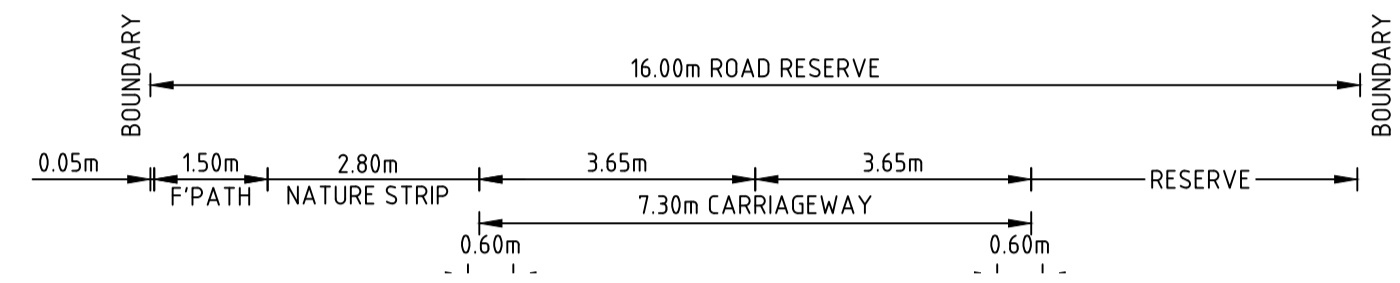

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 G. KOHLMAN
 Date
 07-12-22

MAMBOURIN
STAGE 19
 ROAD AND DRAINAGE
 TONAL, BRUSHTAIL & GLOSS STREET CROSS SECTIONS
 WYNDHAM CITY COUNCIL
 FRASERS PROPERTY LTD

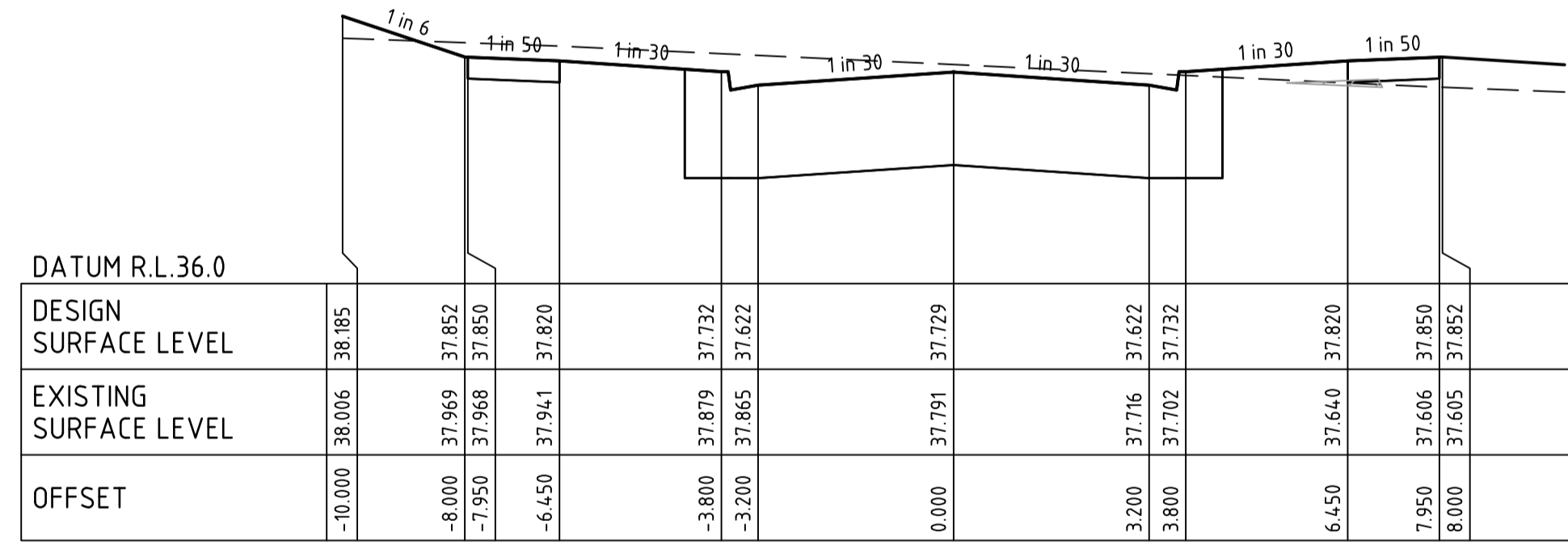
AS CONSTRUCTED Drg No 309506CR403 Rev 2

FILLING NOTE
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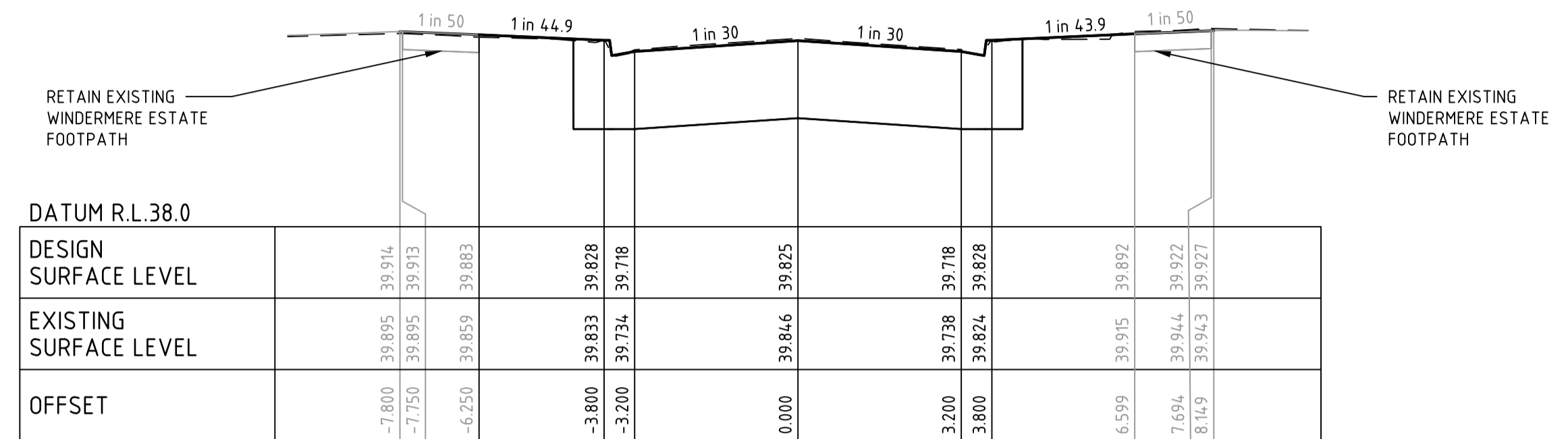
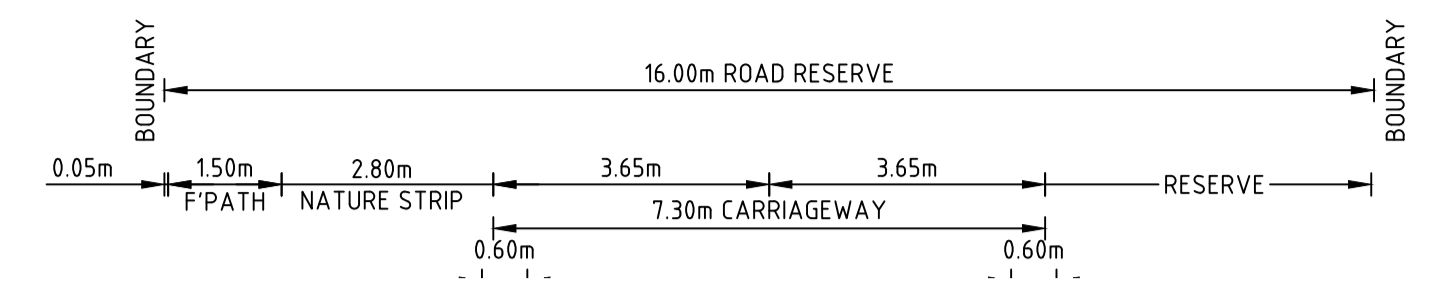
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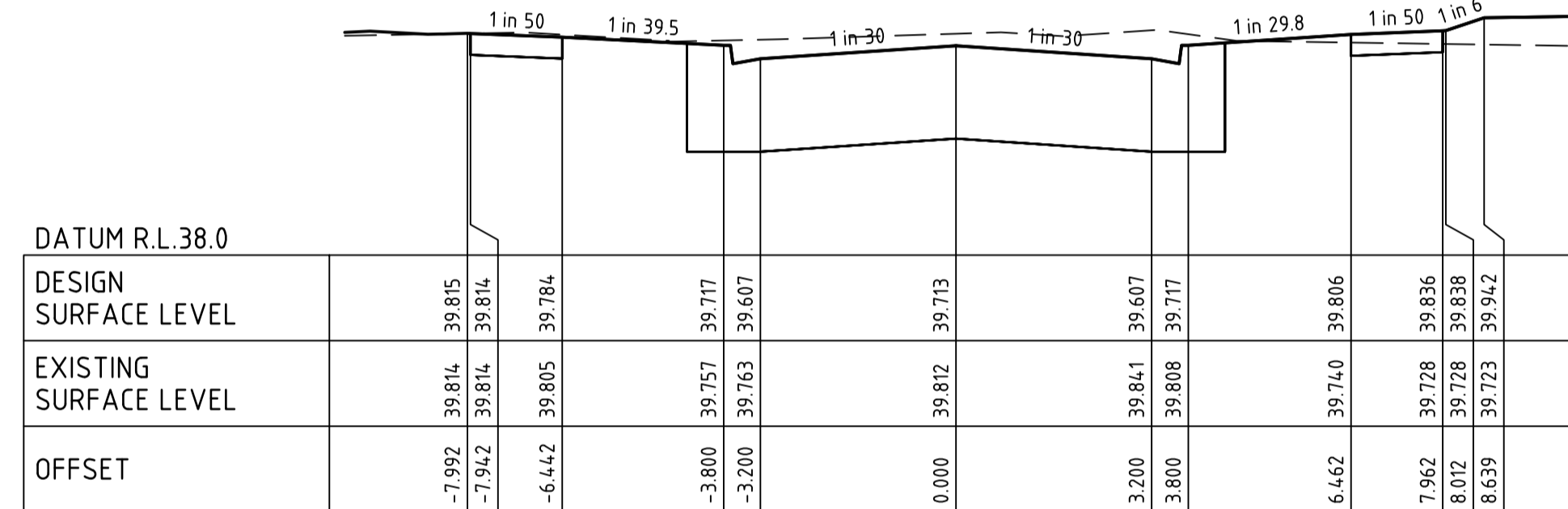
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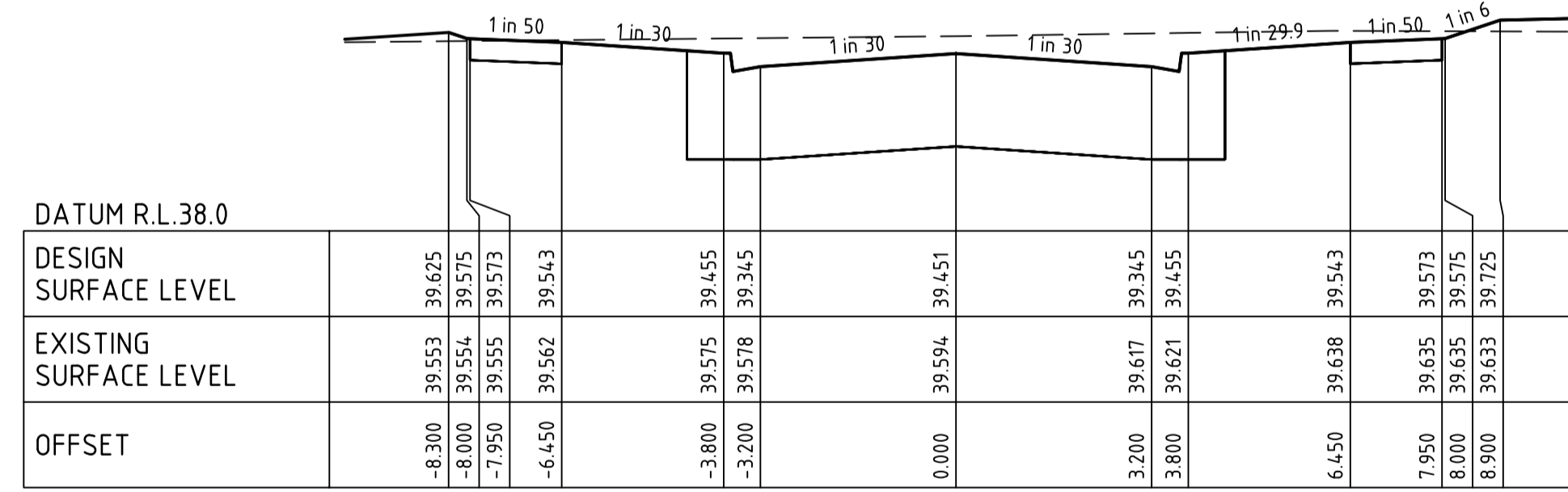
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ELLIMATTA ROAD CH 431.88



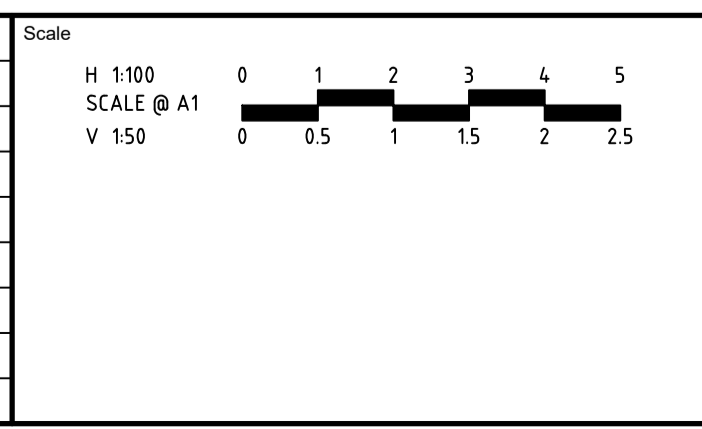
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ELLIMATTA ROAD CH 400.43


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1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.I.R	12/09/22
A	PRELIMINARY ISSUE	M.I.R	11/07/22




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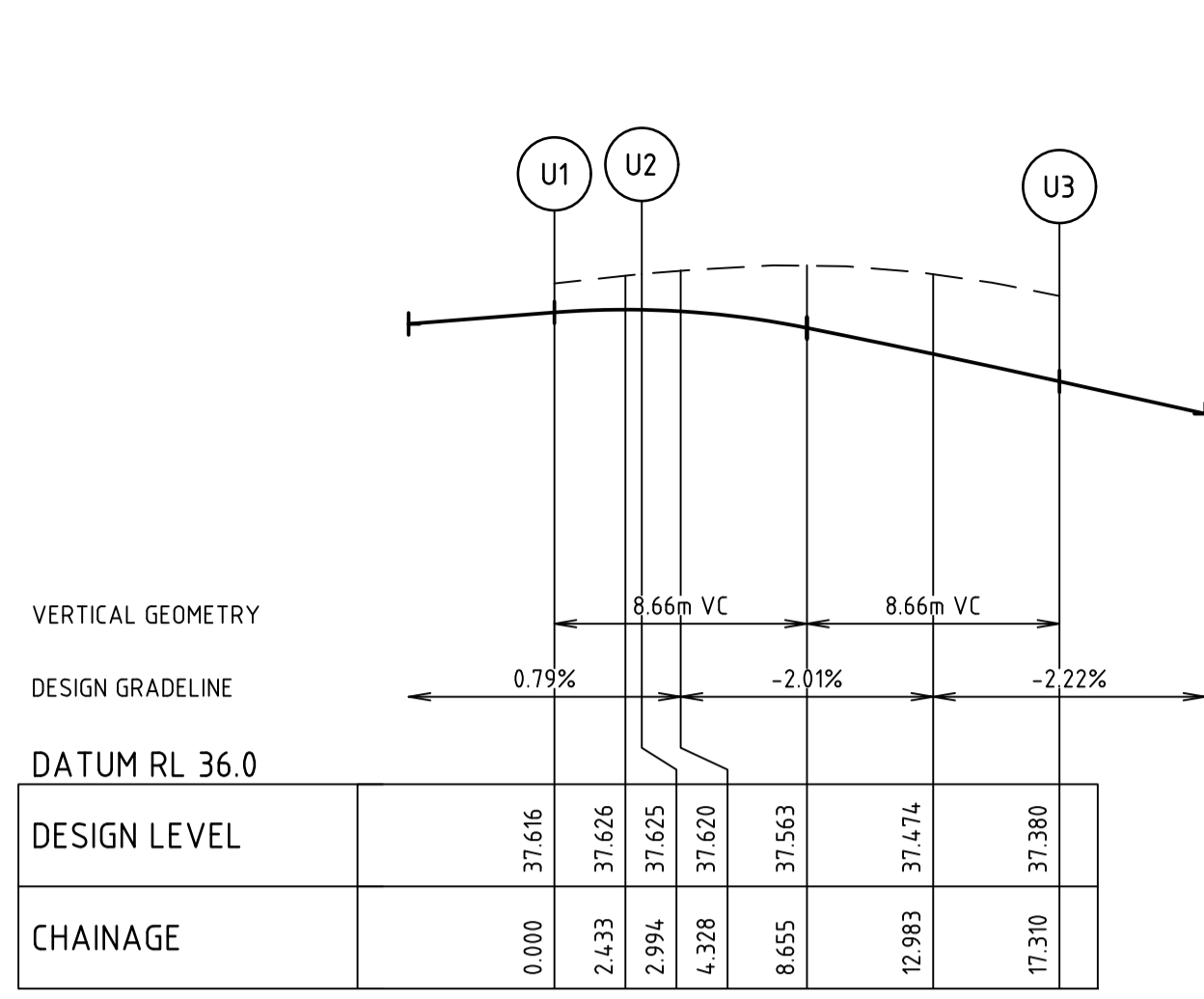

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MAMBOURIN
STAGE 19
 ROAD AND DRAINAGE
 NURTURE STREET & ELLIMATTA ROAD CROSS SECTIONS
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Drg No
309506CR404

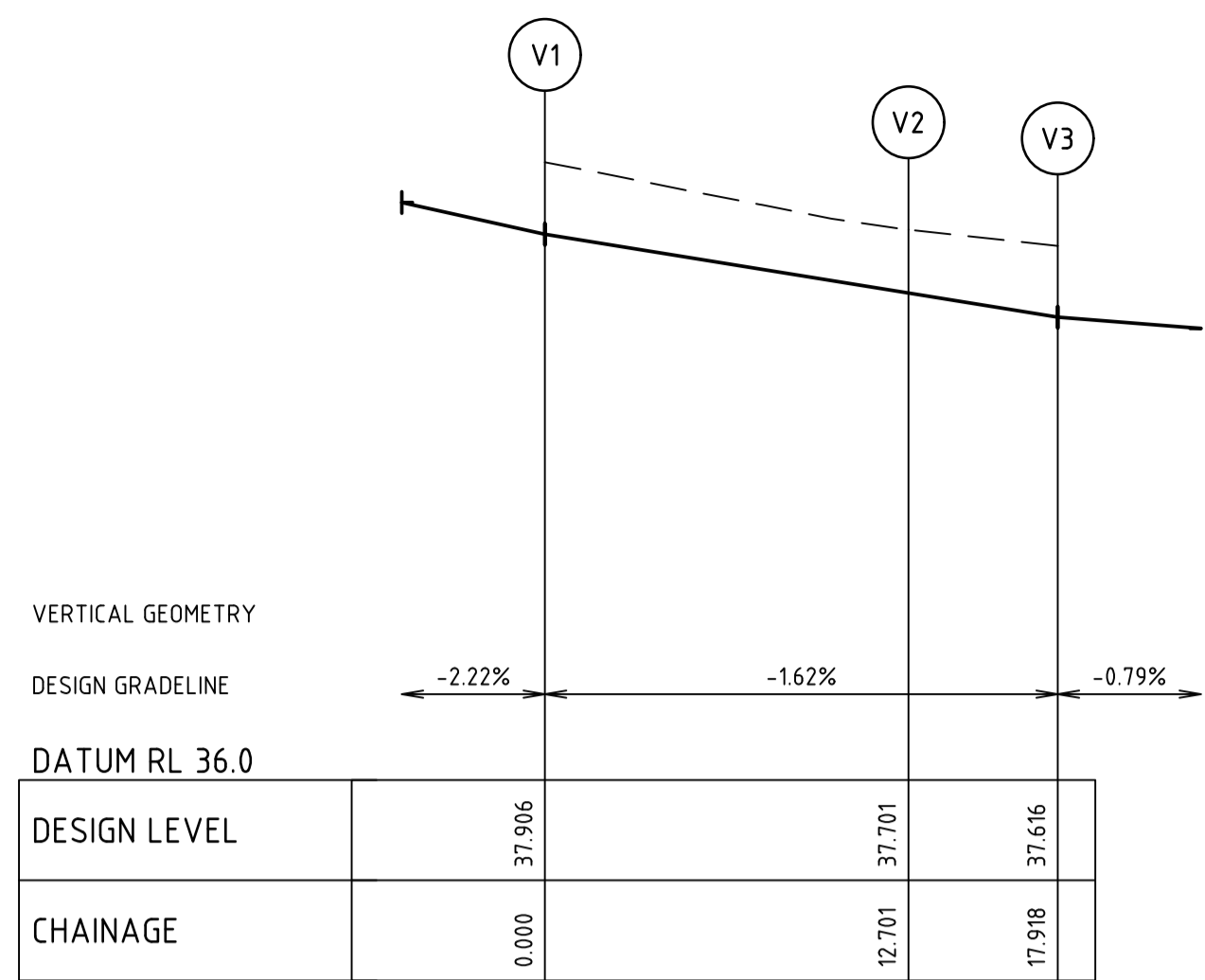
Rev
1



KERB U
ALIGNMENT U

POINT NO	EASTING	NORTHING	RL
U1	289164.771	5803888.815	37.616
U2	289161.847	5803889.454	37.625
1/4	289158.294	5803889.480	37.598
1/2	289155.033	5803888.067	37.533
3/4	289152.623	5803885.456	37.458
U3	289151.473	5803882.094	37.380

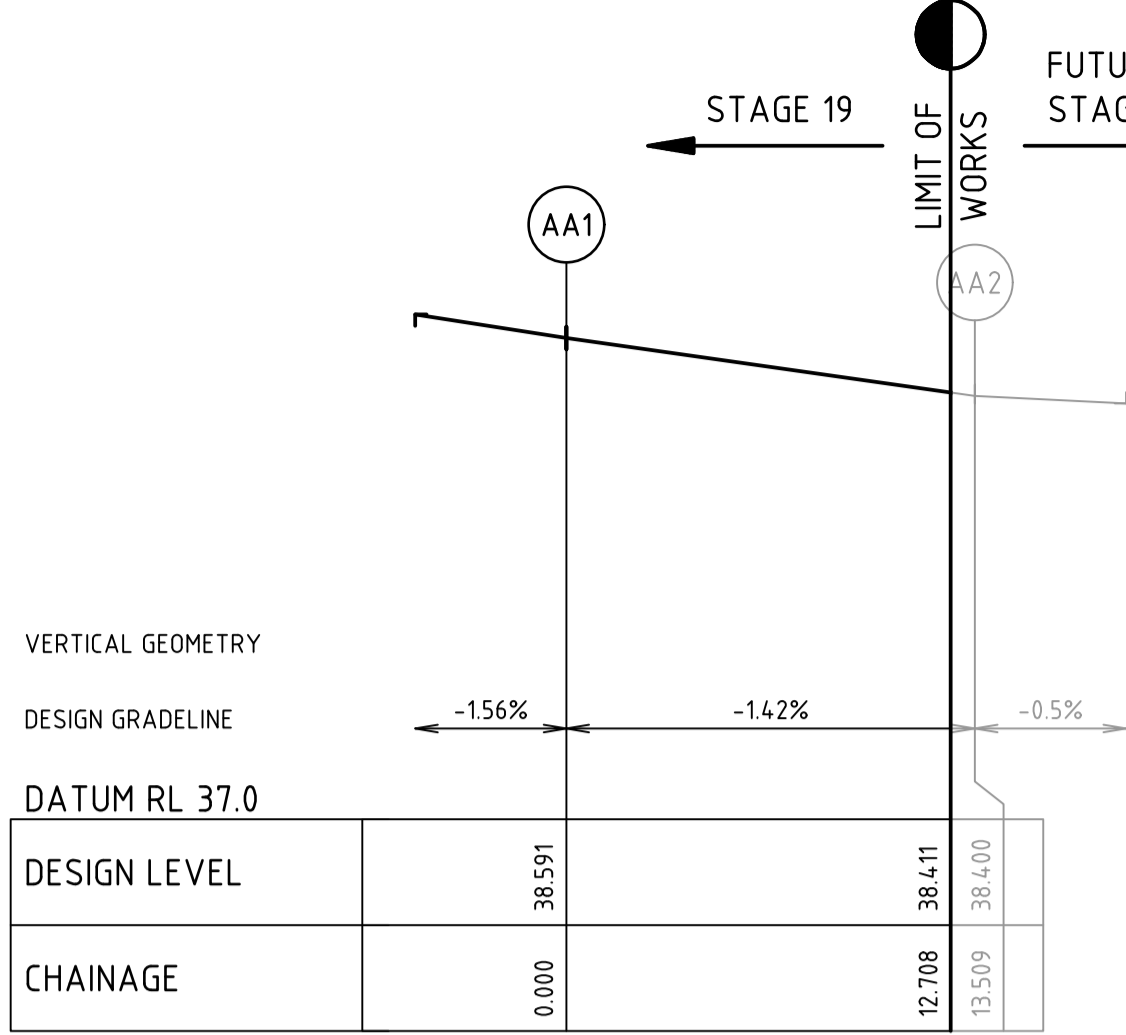
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
U2-U3	8.600	14.316	12.720	2.811	-0.734



KERB V
ALIGNMENT V

POINT NO	EASTING	NORTHING	RL
V1	289154.343	5803905.624	37.906
1/4	289154.543	5803902.473	37.855
1/2	289155.866	5803899.606	37.803
3/4	289158.134	5803897.411	37.752
V2	289161.043	5803896.181	37.701
V3	289166.139	5803895.067	37.616

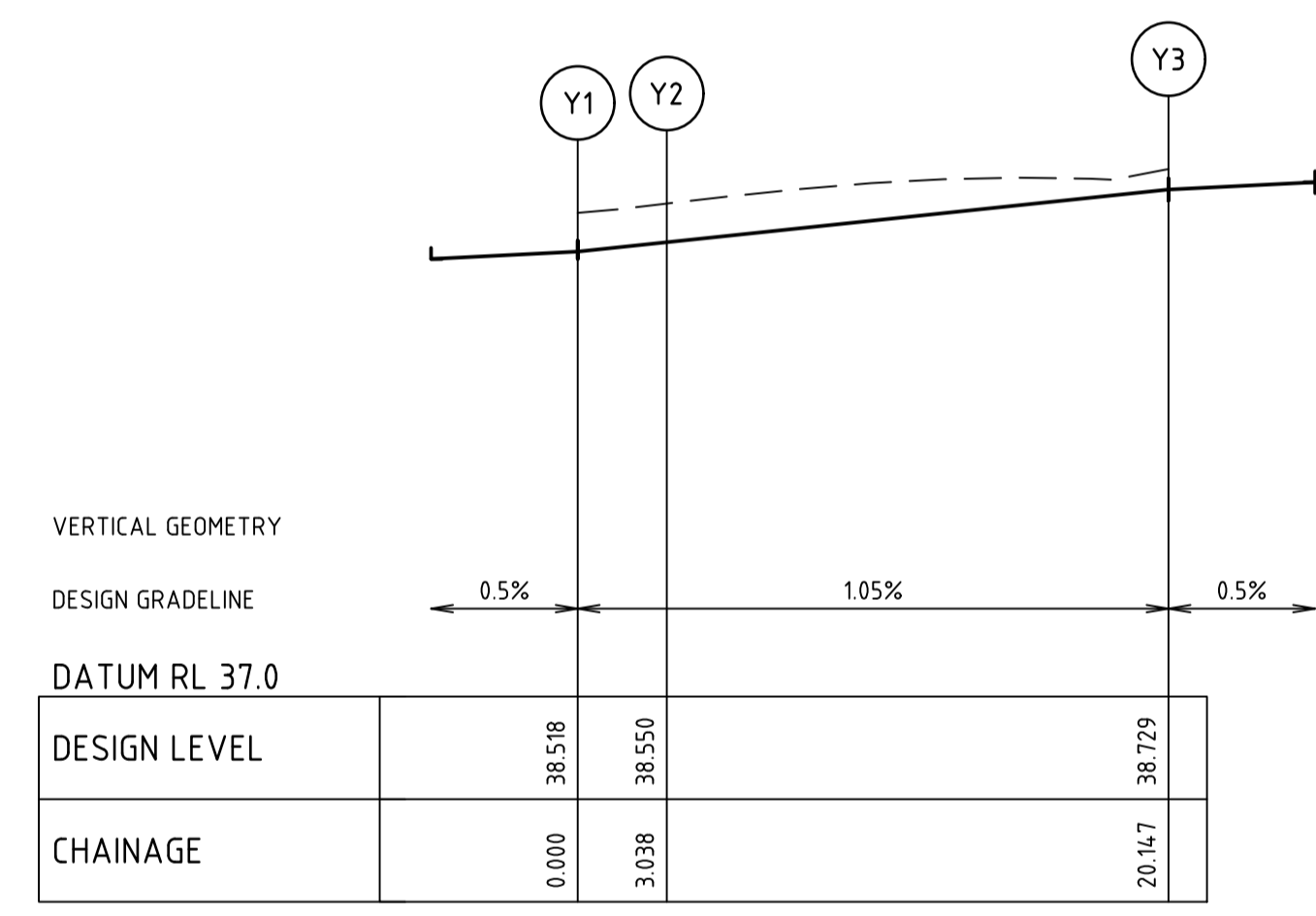
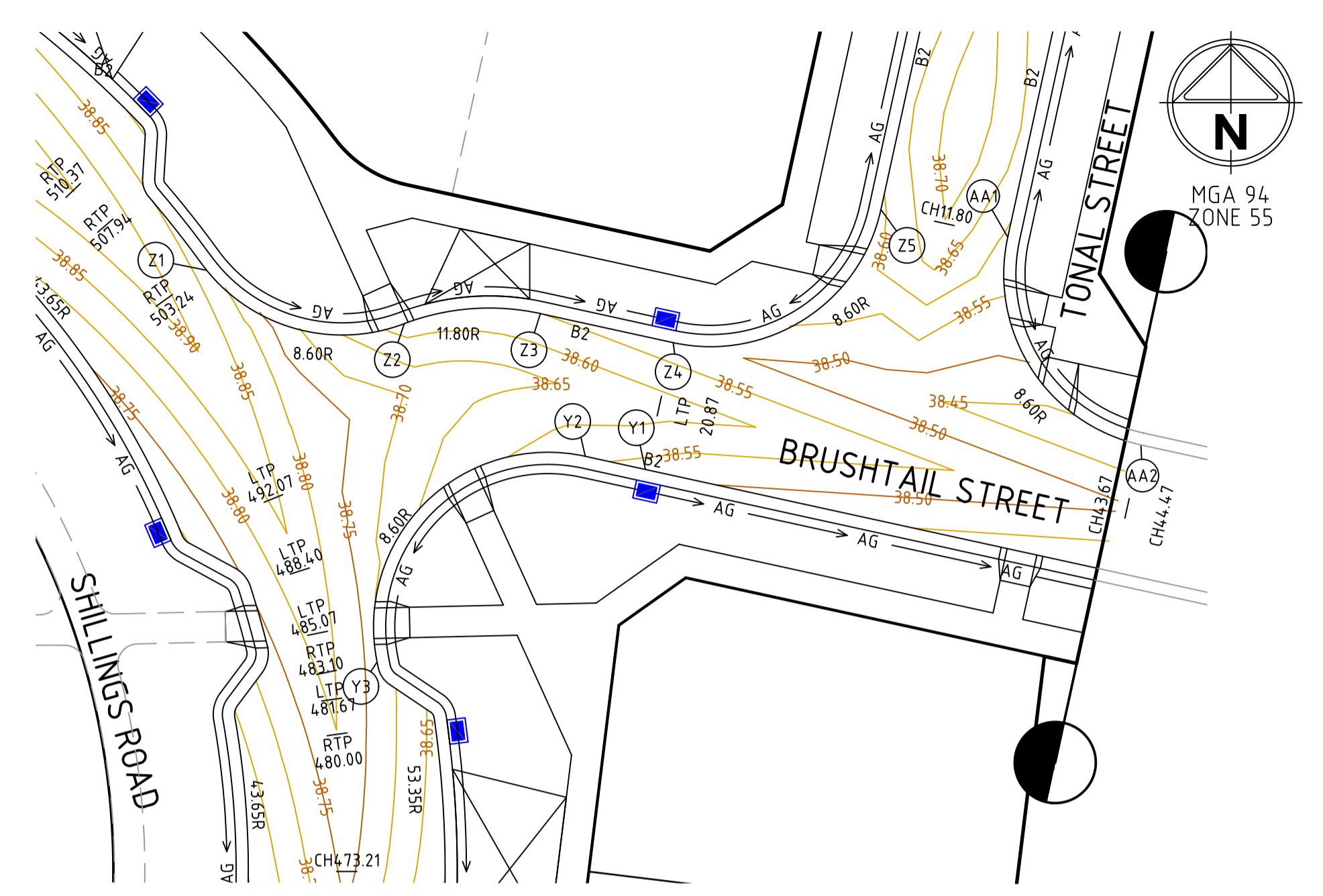
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
V1-V2	8.600	12.701	11.578	2.240	-0.580



KERB AA
ALIGNMENT AA

POINT NO	EASTING	NORTHING	RL
AA1	289188.857	5803976.698	38.591
1/4	289188.793	5803973.343	38.543
1/2	289190.018	5803970.219	38.495
3/4	289192.346	5803967.802	38.448
AA2	289195.421	5803966.460	38.400

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
AA1-AA2	8.600	13.509	12.162	2.519	-0.655



KERB Y
ALIGNMENT Y

POINT NO	EASTING	NORTHING	RL
Y1	289170.998	5803965.249	38.518
Y2	289168.031	5803965.898	38.550
1/4	289163.800	5803965.757	38.595
1/2	289160.149	5803963.614	38.639
3/4	289157.963	5803959.989	38.684
Y3	289157.771	5803955.760	38.729

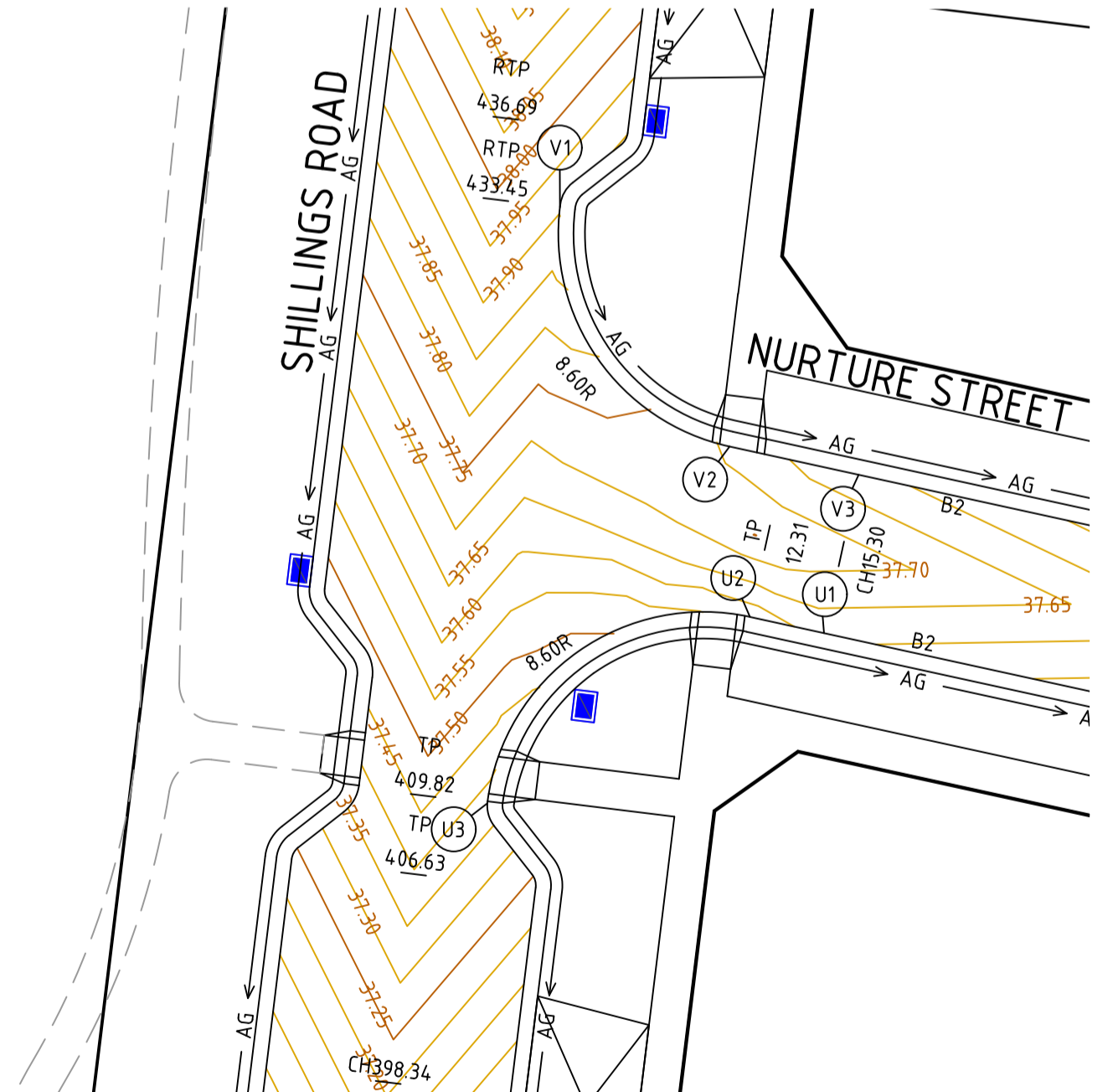
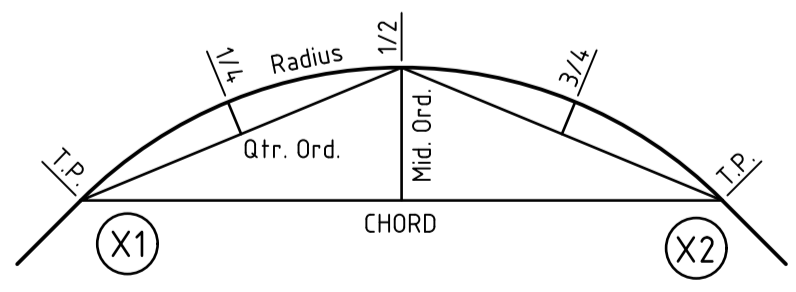
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
Y2-Y3	8.600	17.109	14.424	3.915	-1.042



KERB Z
ALIGNMENT Z

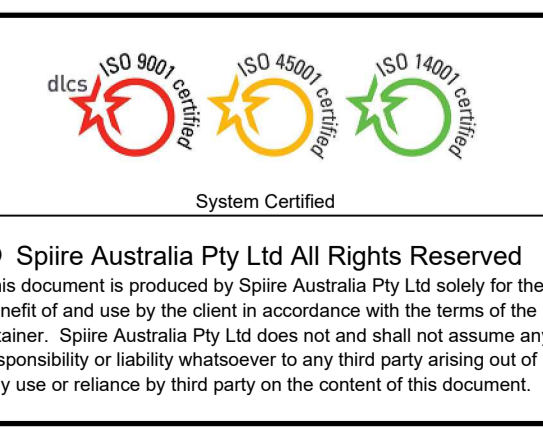
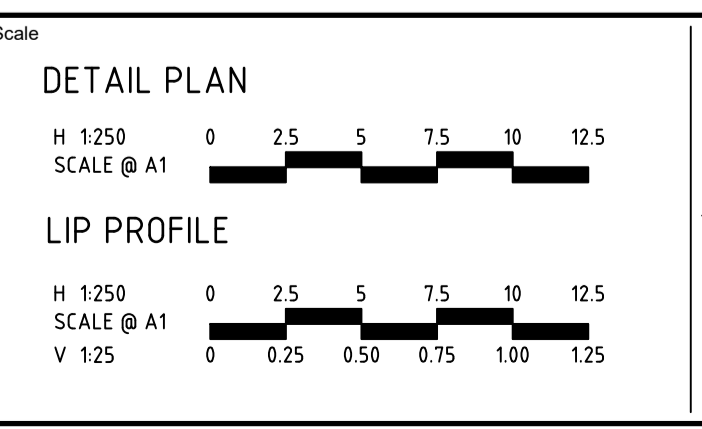
POINT NO	EASTING	NORTHING	RL
Z1	289149.369	5803975.068	38.830
1/4	289151.362	5803973.270	38.793
1/2	289153.813	5803972.174	38.757
3/4	289156.481	5803971.887	38.720
Z2	289159.109	5803972.437	38.684
1/4	289160.741	5803972.925	38.661
1/2	289162.427	5803973.173	38.638
3/4	289164.132	5803973.176	38.614
Z3	289165.818	5803972.933	38.591
Z4	289172.366	5803971.501	38.518
1/4	289175.721	5803971.438	38.536
1/2	289178.845	5803972.663	38.554
3/4	289181.262	5803974.990	38.573
Z5	289182.604	5803978.065	38.591

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
Z1-Z2	8.600	10.781	10.089	1.635	-0.419
Z2-Z3	11.800	6.822	6.728	0.490	0.123
Z4-Z5	8.600	13.509	12.162	2.519	-0.655



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Rev	Amendments	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	KERB RETURN Y & Z UPDATED	M.L.R	08/11/22
0	ISSUED FOR CONSTRUCTION	M.L.R	12/09/22
A	PRELIMINARY ISSUE	M.L.R	11/07/22



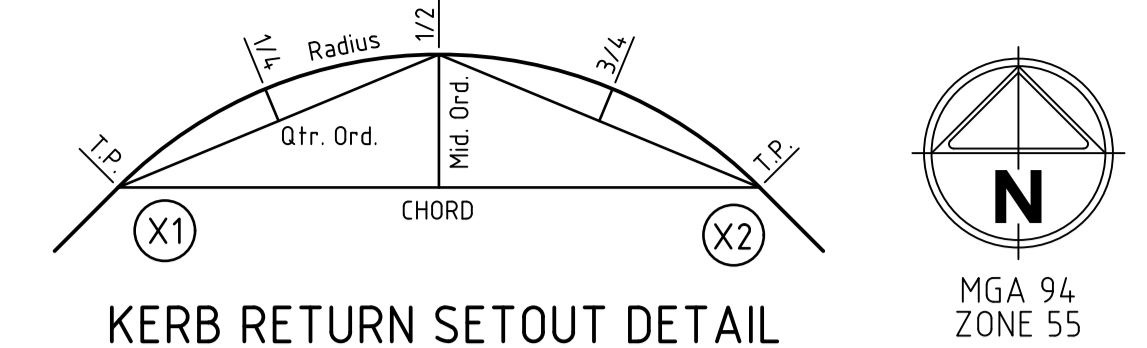
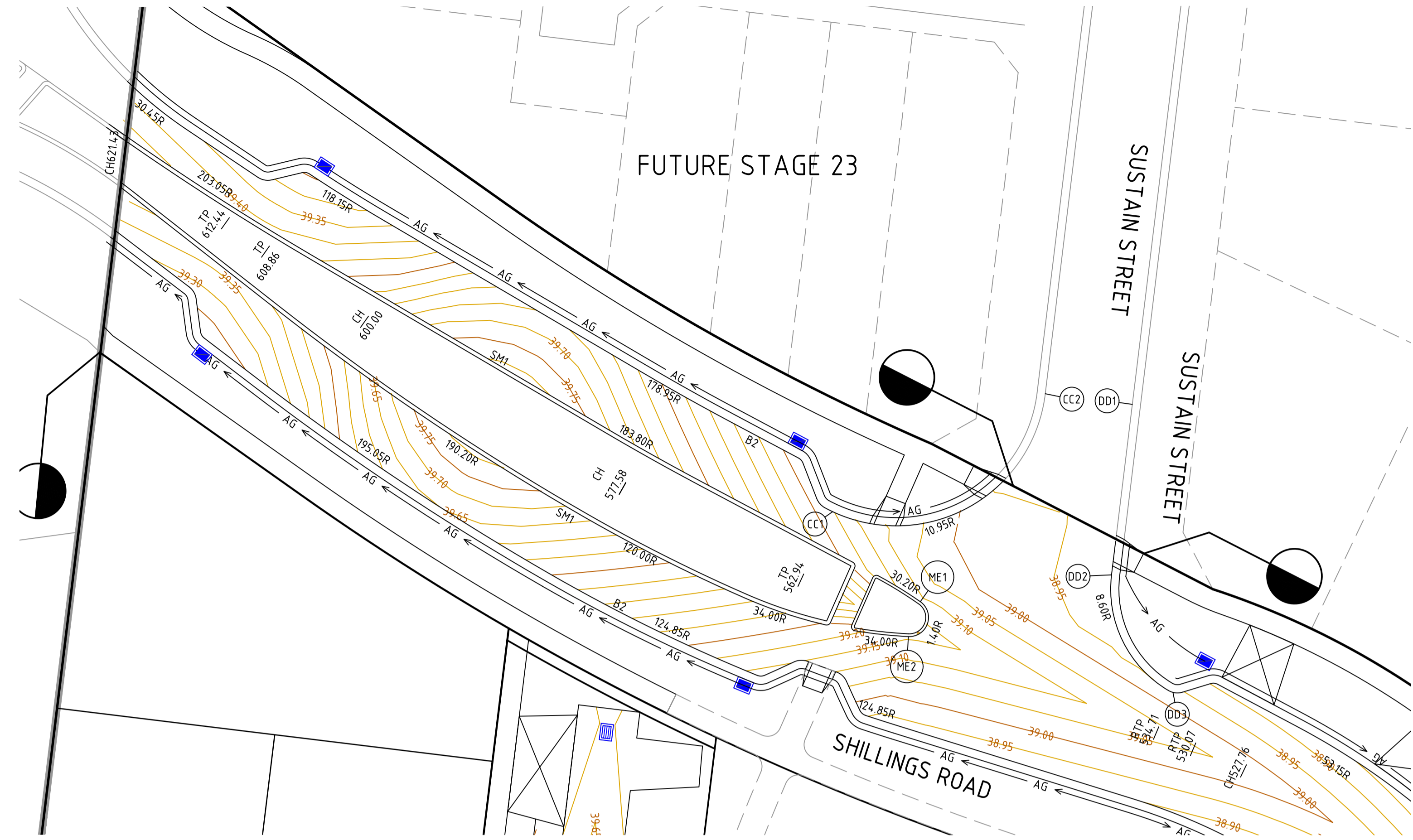
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FRASERS PROPERTY
Designed
K. FEARN-WANNAN
Authorised
G. KOHLMAN

Mambourin
Checked
G. KOHLMAN
Date
07-12-22

MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
INTERSECTION DETAILS
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED Drg No **309506CR501** Rev **2**



KERB RETURN SETOUT DETAIL

ALIGNMENT CC

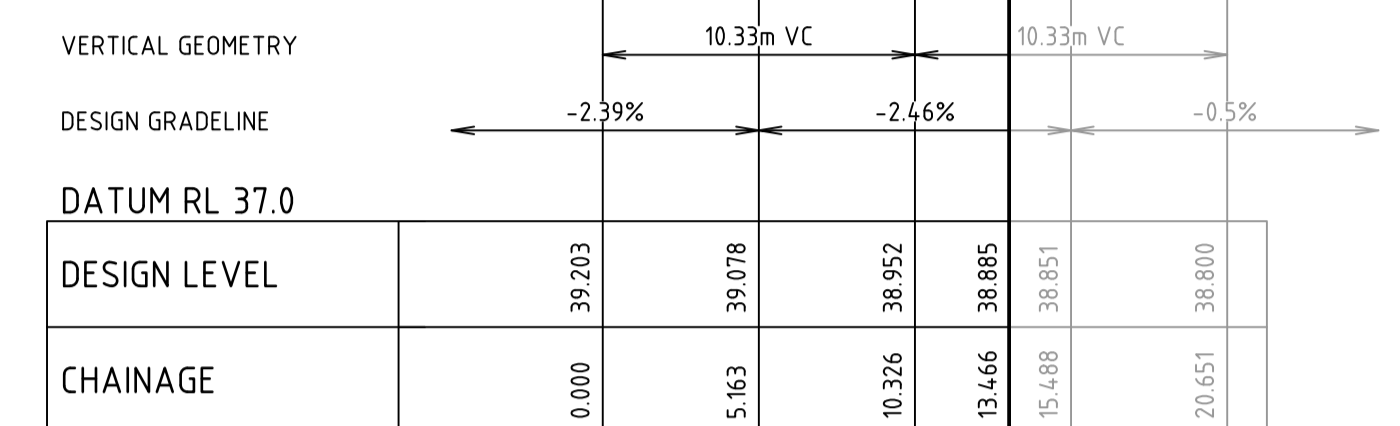
POINT NO	EASTING	NORTHING	RL
CC1	289098.750	5804008.122	39.203
1/4	289103.763	5804007.102	39.078
1/2	289108.692	5804008.469	38.952
3/4	289112.461	5804011.927	38.851
CC2	289114.250	5804016.719	38.800

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

ALIGNMENT DD

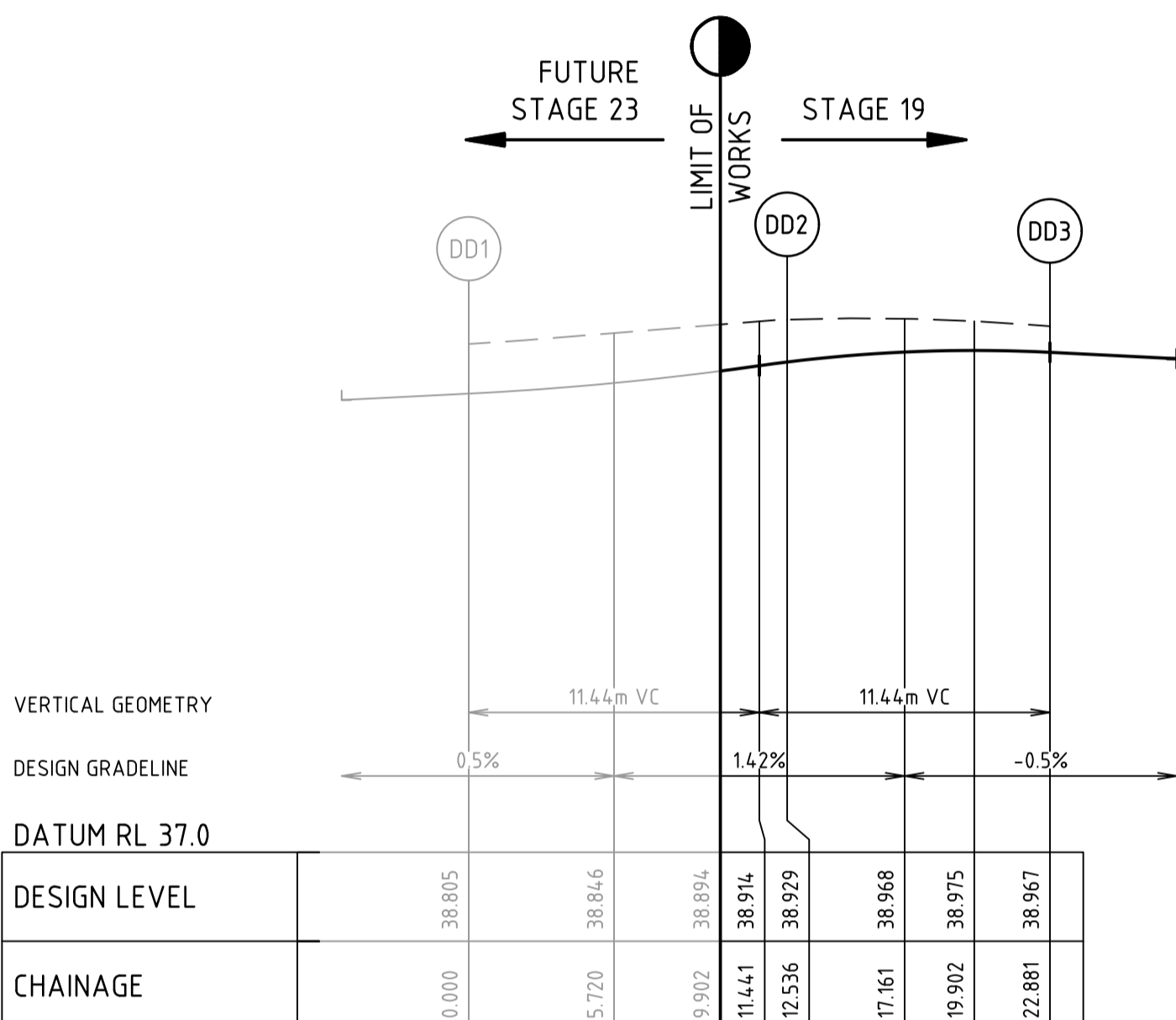
POINT NO	EASTING	NORTHING	RL
DD1	289120.602	5804015.944	38.805
DD2	289119.085	5804003.501	38.929
1/4	289119.159	5804000.925	38.955
1/2	289119.994	5803998.487	38.970
3/4	289121.513	5803996.406	38.974
DD3	289123.580	5803994.868	38.967

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



DESIGN LEVEL	CHAINAGE
39.203	0.000
39.078	5.163
38.952	10.326
38.885	15.489
38.851	20.651
38.800	25.814

KERB CC



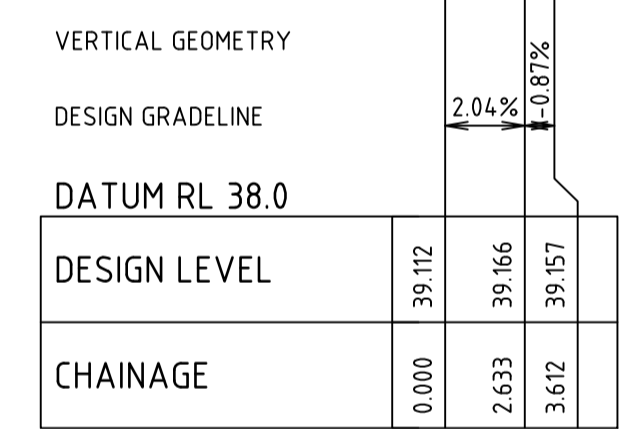
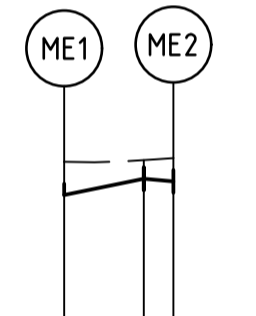
DESIGN LEVEL	CHAINAGE
38.805	0.000
38.816	5.720
38.894	11.441
38.914	17.161
38.929	22.881
38.968	28.601
38.975	34.321
38.967	40.041

KERB DD

ALIGNMENT ME

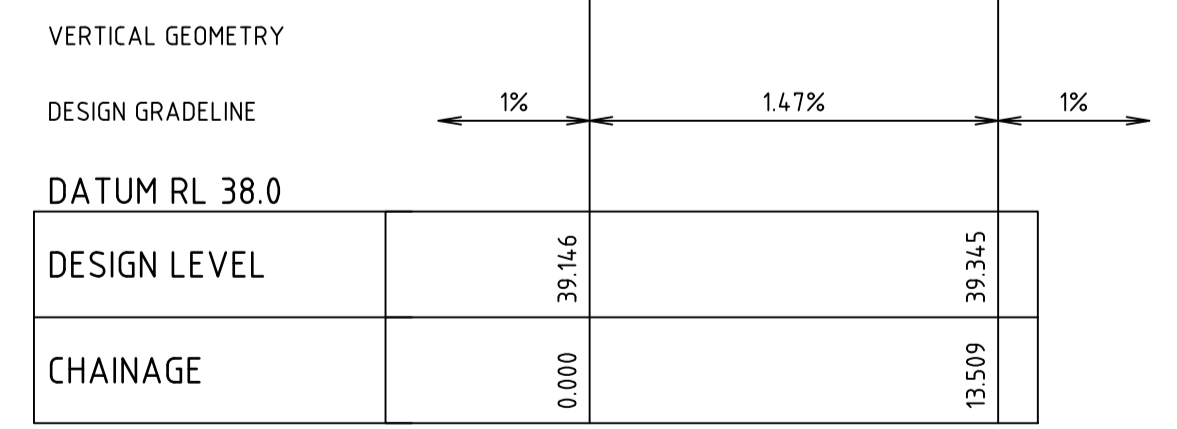
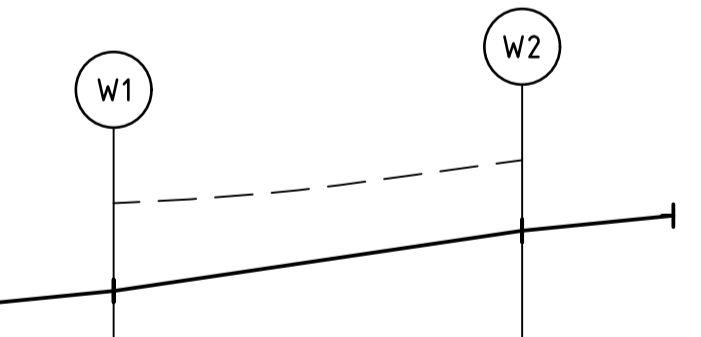
POINT NO	EASTING	NORTHING	RL
ME1	289105.132	5804001.543	39.112
1/4	289105.453	5804001.229	39.121
1/2	289105.659	5804000.829	39.131
3/4	289105.727	5804000.385	39.140
ME2	289105.651	5803999.941	39.149
1/4	289105.439	5803999.545	39.158
1/2	289105.112	5803999.237	39.165
3/4	289104.704	5803999.048	39.161
ME3	289104.257	5803998.998	39.158

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
ME1-ME2	1.400	1.806	1.683	0.281	0.072
ME2-ME3	1.400	1.806	1.683	0.281	0.072



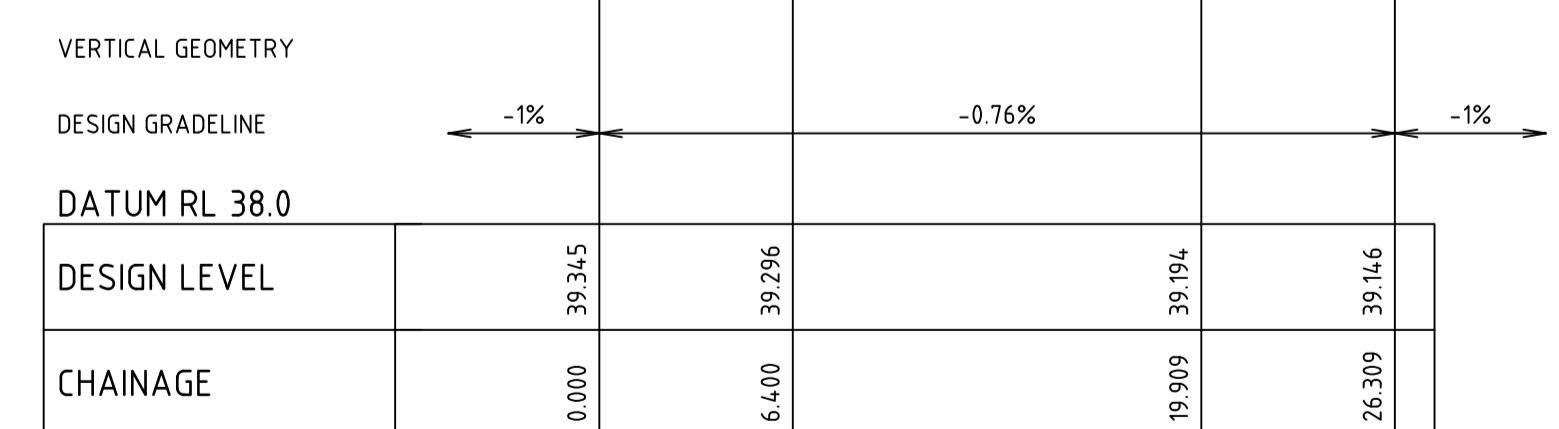
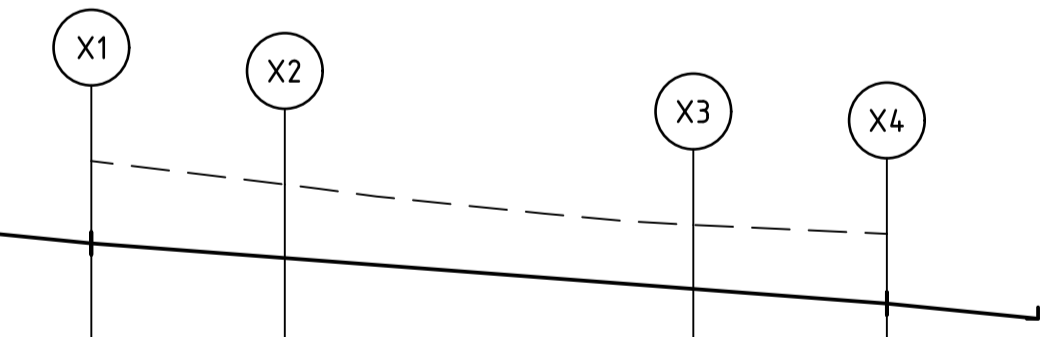
DESIGN LEVEL	CHAINAGE
39.112	0.000
39.166	2.633
39.151	5.266

KERB ME



DESIGN LEVEL	CHAINAGE
39.146	0.000
39.345	13.509

KERB W



DESIGN LEVEL	CHAINAGE
39.345	0.000
39.296	6.400
39.194	12.800
39.146	19.200

KERB X

ALIGNMENT X

POINT NO	EASTING	NORTHING	RL
X1	289067.615	5803969.710	39.345
X2	289073.968	5803968.935	39.296
1/4	289077.155	5803967.887	39.271
1/2	289079.699	5803965.698	39.220
3/4	289081.212	5803962.703	39.194
X3	289081.463	5803959.357	39.194
X4	289080.688	5803953.004	39.146

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
X2-X3	8.600	13.509	12.162	2.519	0.655

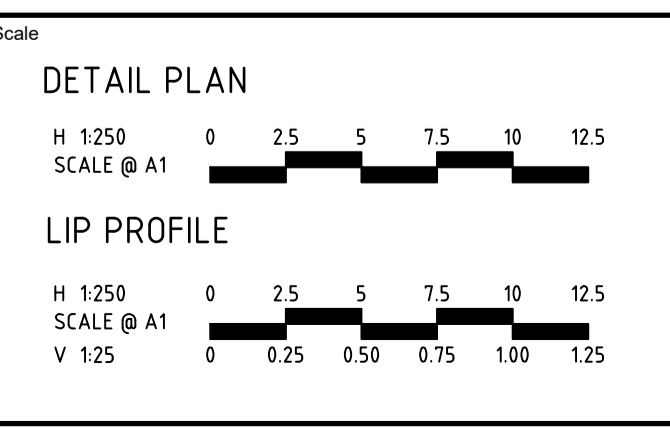
ALIGNMENT W

POINT NO	EASTING	NORTHING	RL
W1	289074.335	5803953.779	39.146
1/4	289074.084	5803957.125	39.195
1/2	289072.571	5803960.120	39.245
3/4	289070.027	5803962.309	39.295
W2	289066.840	5803963.357	39.345

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
W1-W2	8.600	13.509	12.162	2.519	-0.655

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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R.	23/06/23
0	ISSUED FOR CONSTRUCTION	M.R.	12/09/22
A	PRELIMINARY ISSUE	M.R.	11/07/22



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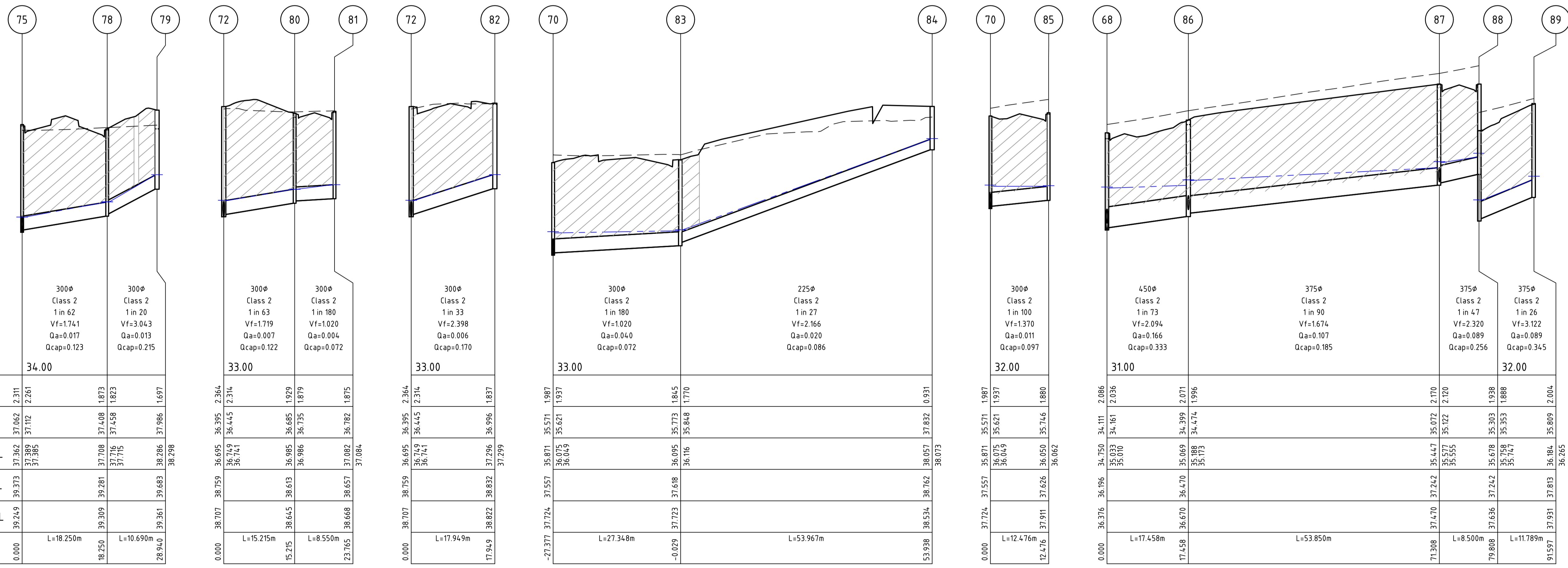
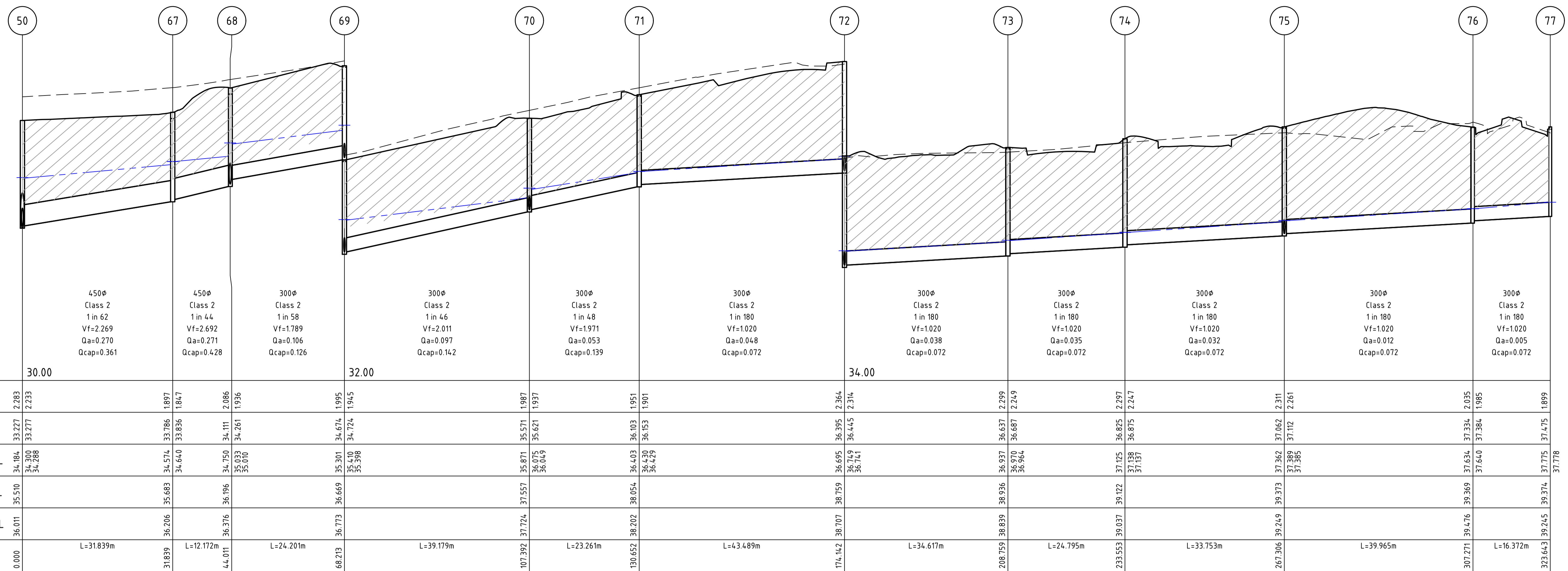
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Authorised
G. KOHLMAN

Date
07-12-22

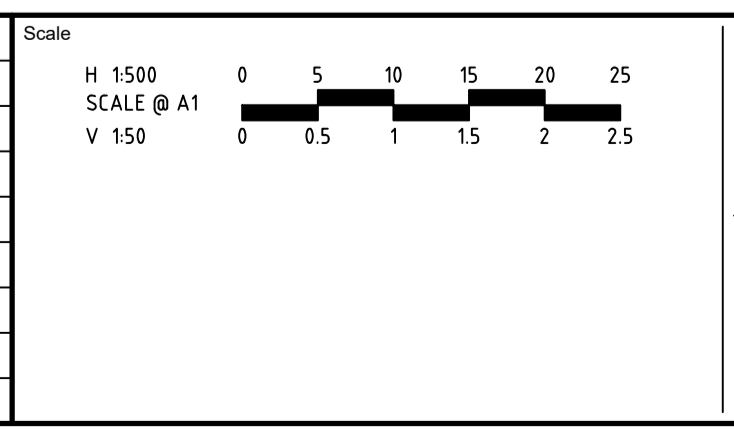
MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 3 OF 3
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED Drg No **309506CR502** Rev **1**



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Rev	Description	By	Date
1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.R	12/09/22
B	DRAINAGE UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	M.R	11/07/22
Rev	Amendments	Approved	Date

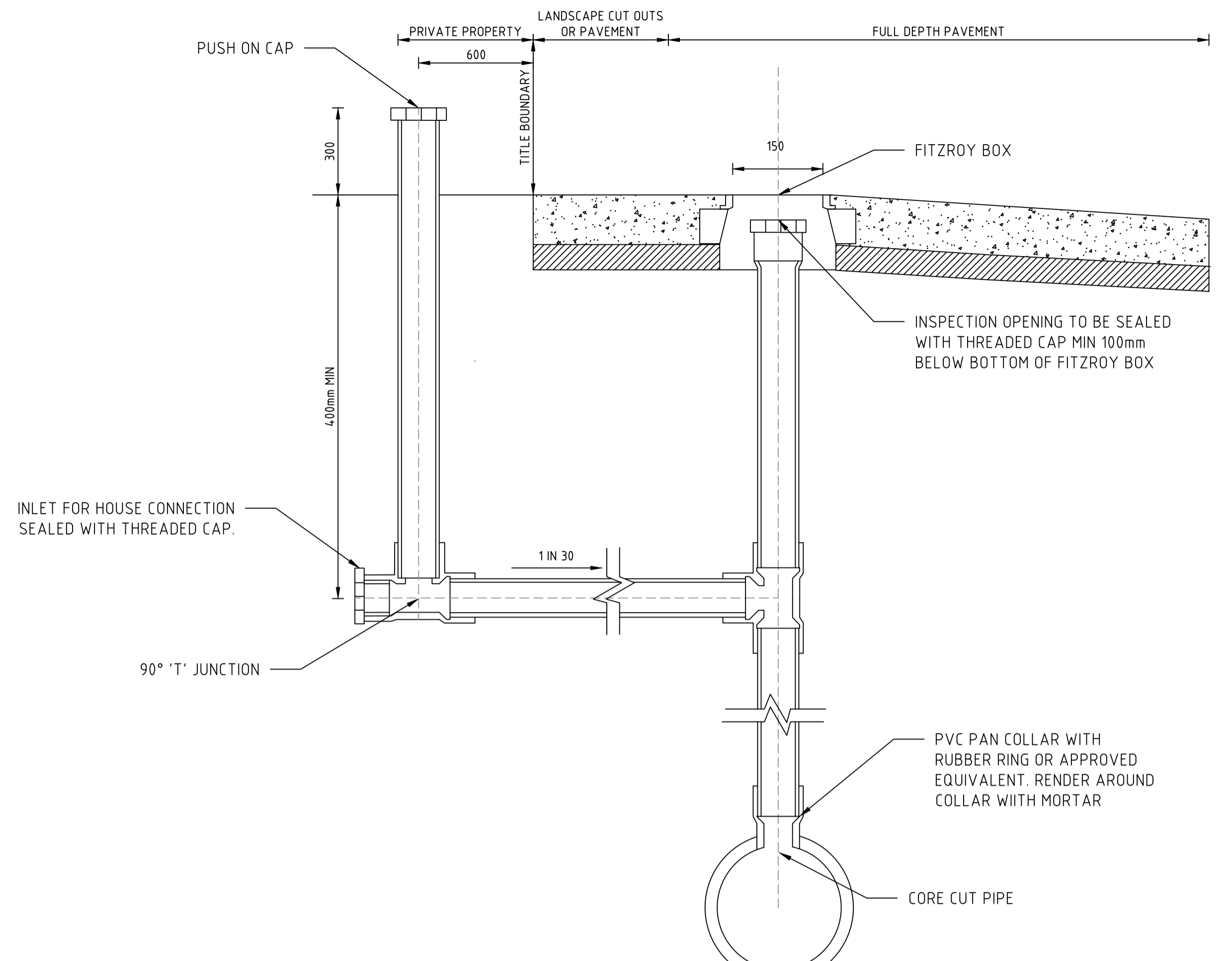
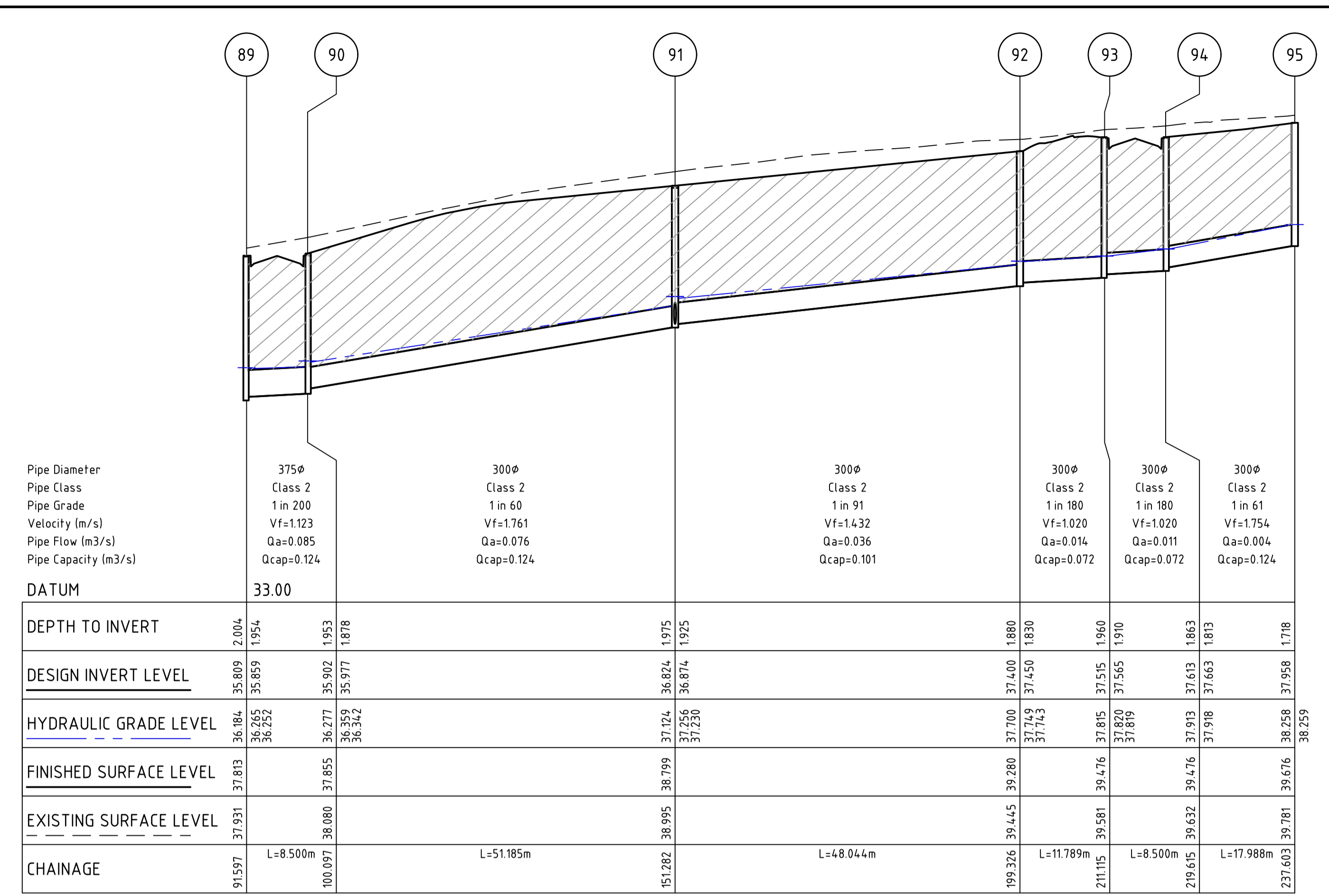


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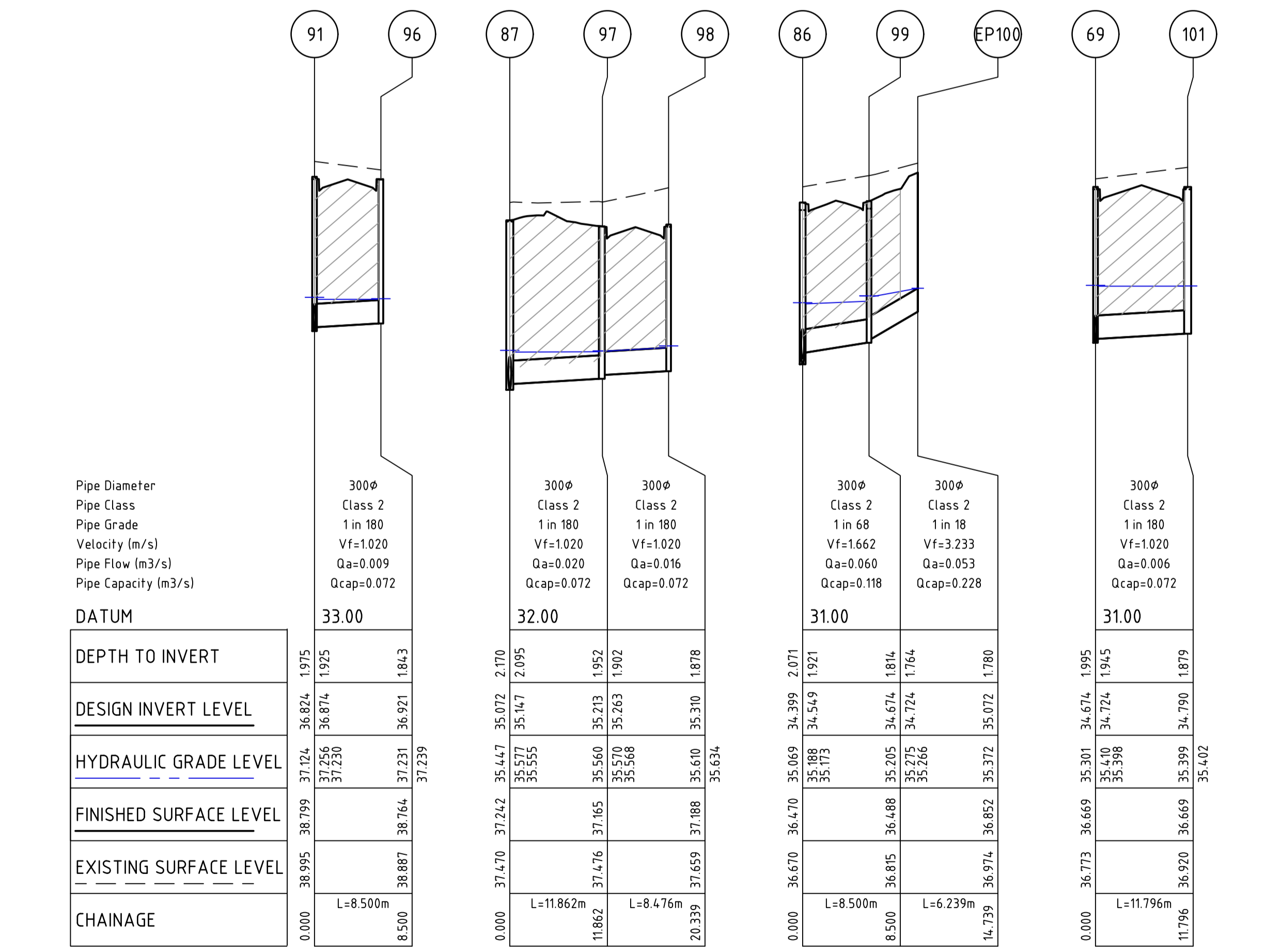
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 Checked
 G. KOHLMAN
 Date
 07-12-22

MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 1 OF 2
 WYNDHAM CITY COUNCIL
 FRASERS PROPERTY LTD
AS CONSTRUCTED Drg No **309506CR600** Rev **1**



MODIFIED PROPERTY INLET DETAIL TYPE A FOR LOT 1901



DRAINAGE PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
67	GRATED SIDE ENTRY PIT	900	900	450	33.836	450	33.786	35.683	1.897	
68	GRATED SIDE ENTRY PIT	750	900	300	34.260	450	34.110	36.196	2.087	
					450	34.160				
69	GRATED SIDE ENTRY PIT	600	900	300	34.725	300	34.675	36.669	1.994	
					300	34.725				
70	JUNCTION PIT	600	900	300	35.640	300	35.590	37.557	1.968	
					300	35.640				
					300	35.640				
71	GRATED SIDE ENTRY PIT	600	900	300	36.153	300	36.103	38.054	1.951	
72	JUNCTION PIT	600	900	300	36.445	300	36.395	38.759	2.364	
					300	36.445				
					300	36.445				
73	GRATED SIDE ENTRY PIT	600	900	300	36.687	300	36.637	38.936	2.299	
74	JUNCTION PIT	600	900	300	36.875	300	36.825	39.122	2.297	
75	GRATED SIDE ENTRY PIT	600	900	300	37.112	300	37.062	39.373	2.311	
					300	37.112				
76	GRATED SIDE ENTRY PIT	600	900	300	37.384	300	37.334	39.369	2.035	
77	GRATED SIDE ENTRY PIT	600	900			300	37.475	39.374	1.899	
78	GRATED SIDE ENTRY PIT	600	900	300	37.458	300	37.408	39.269	1.862	
79	GRATED ENTRY PIT	600	900			300	37.987	39.683	1.696	CLASS D COVER
80	GRATED SIDE ENTRY PIT	600	900	300	36.735	300	36.685	38.655	1.970	
81	GRATED SIDE ENTRY PIT	600	900			300	36.782	38.657	1.875	
82	GRATED SIDE ENTRY PIT	600	900			300	36.996	38.826	1.830	
83	GRATED SIDE ENTRY PIT	600	900	225	35.867	300	35.792	37.618	1.826	
84	JUNCTION PIT	600	900			225	37.827	38.762	0.935	

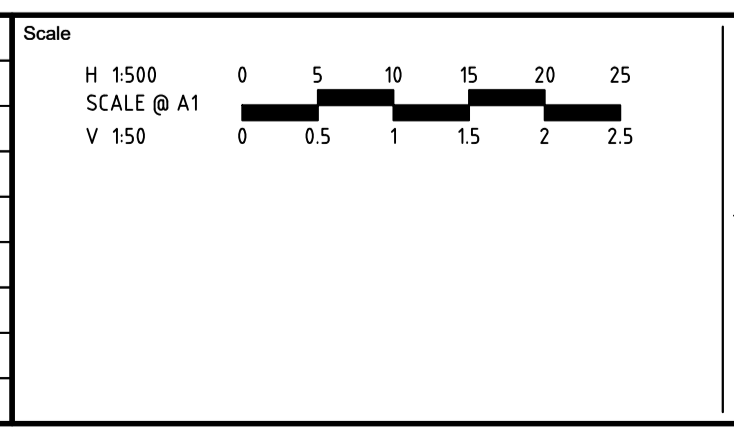
DRAINAGE PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
85	GRATED SIDE ENTRY PIT	600	900	375	34.457	450	34.382	36.473	2.090	
86	GRATED SIDE ENTRY PIT	750	900	300	34.532					
					300	34.532				
87	GRATED SIDE ENTRY PIT	600	900	375	35.106	375	35.056	37.242	2.186	
					300	35.131				
88	JUNCTION PIT	600	900	375	35.198	375	35.148	37.242	2.093	
89	GRATED SIDE ENTRY PIT	600	900	375	35.827	375	35.777	37.840	2.063	
90	GRATED SIDE ENTRY PIT	600	900	300	35.977	375	35.902	37.855	1.953	
91	GRATED SIDE ENTRY PIT	600	900	300	36.874	300	36.824	38.799	1.975	
					300	36.874				
92	JUNCTION PIT	600	900	300	37.450	300	37.400	39.280	1.880	
93	GRATED SIDE ENTRY PIT	600	900	300	37.565	300	37.515	39.476	1.960	
94	GRATED SIDE ENTRY PIT	600	900	300	37.663	300	37.613	39.476	1.863	
95	JUNCTION PIT	600	900			300	37.958	39.676	1.718	
96	GRATED SIDE ENTRY PIT	600	900			300	36.921	38.784	1.863	
97	GRATED SIDE ENTRY PIT	600	900	300	35.263	300	35.213	37.165	1.952	
98	GRATED SIDE ENTRY PIT	600	900			300	35.310	37.188	1.878	
99	GRATED SIDE ENTRY PIT	600	900	300	34.747	300	34.697	36.493	1.796	
101	GRATED SIDE ENTRY PIT	600	900			300	34.791	36.654	1.863	

- 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: 309506CR601.dwg, layout name: CR601, plotted by: Kevin Nguyen, plot date: 23/06/2023 2:45 PM, Sheet: 16 of 19, Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	M.R	23/06/23
0	ISSUED FOR CONSTRUCTION	M.R	12/09/22
B	DRAINAGE UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	M.R	11/07/22



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Designed
K. FEARN-WANNAN

 Authorised
G. KOHLMAN

Checked
G. KOHLMAN

 Date
07-12-22

MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2 OF 2
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED

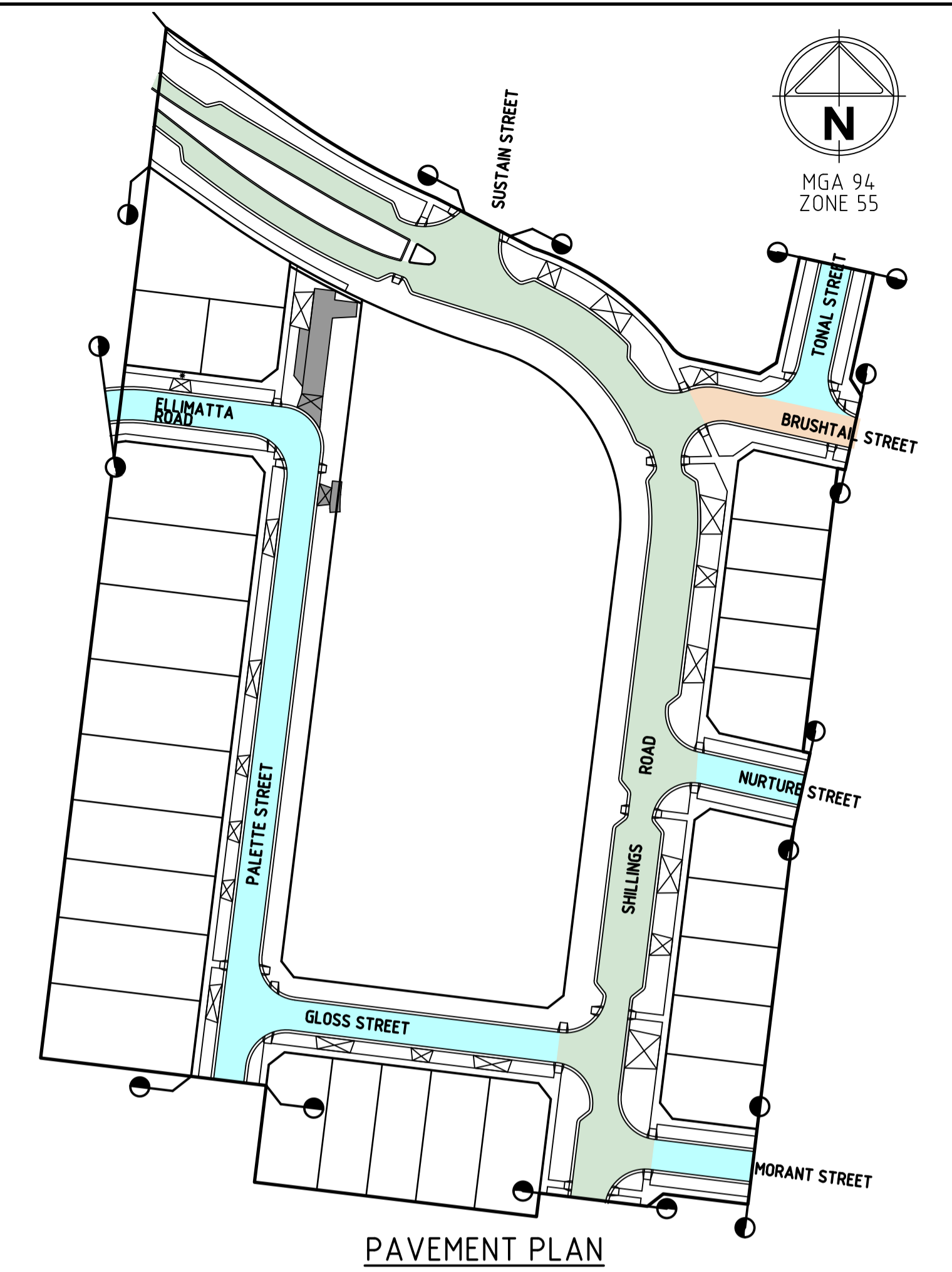
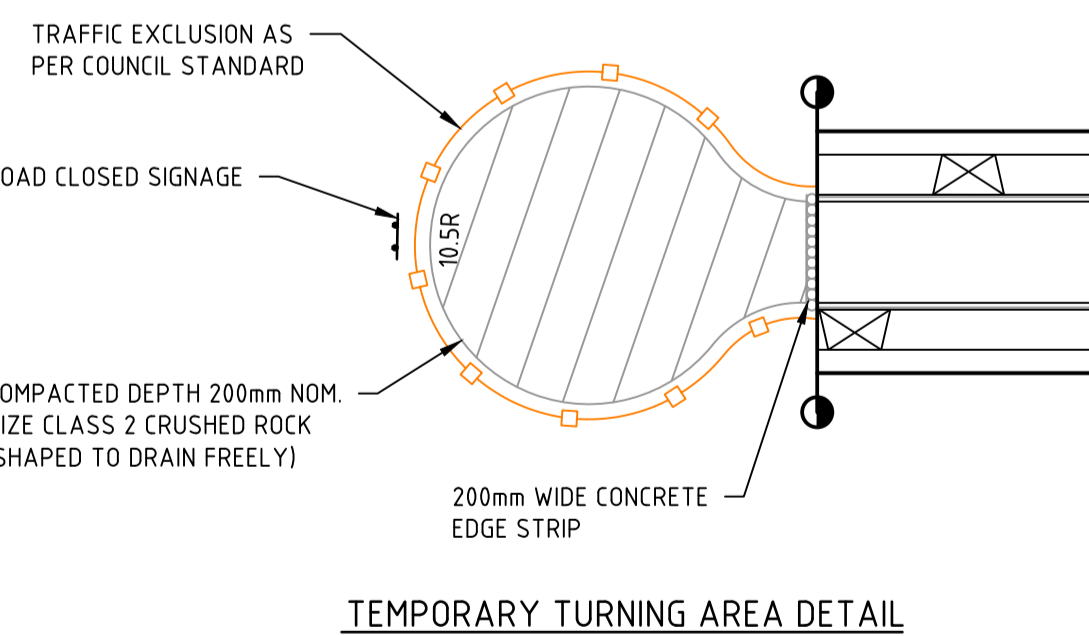
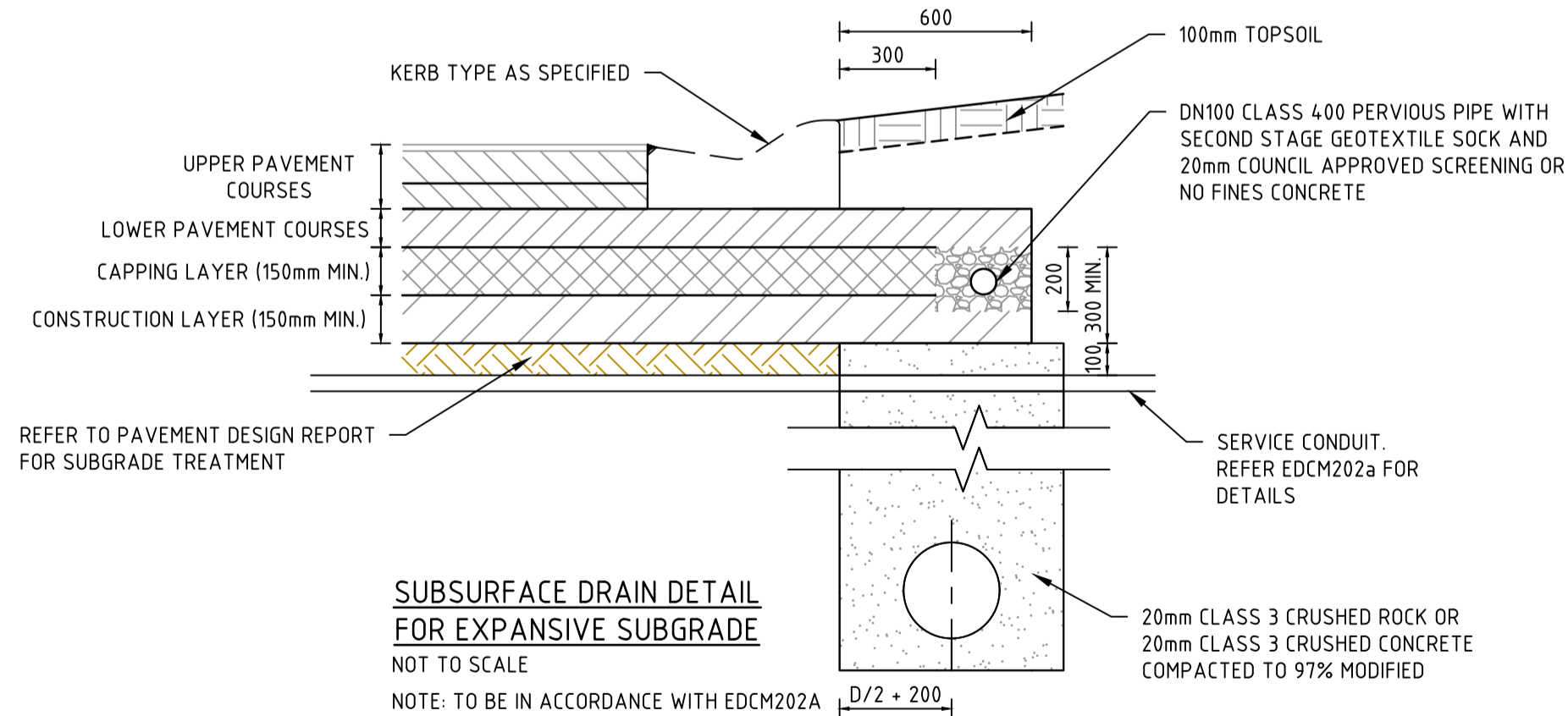
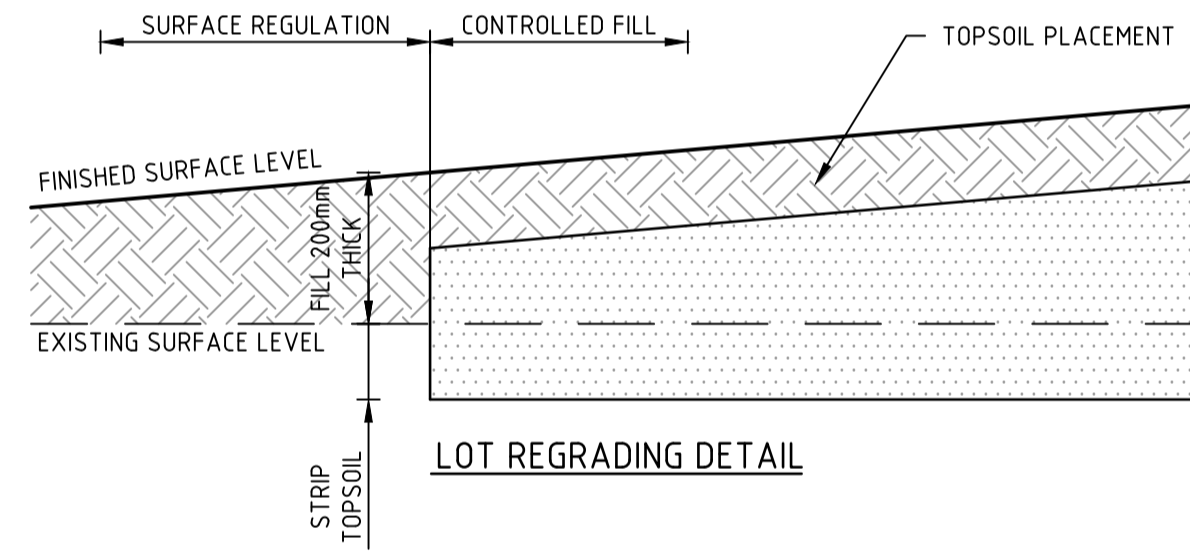
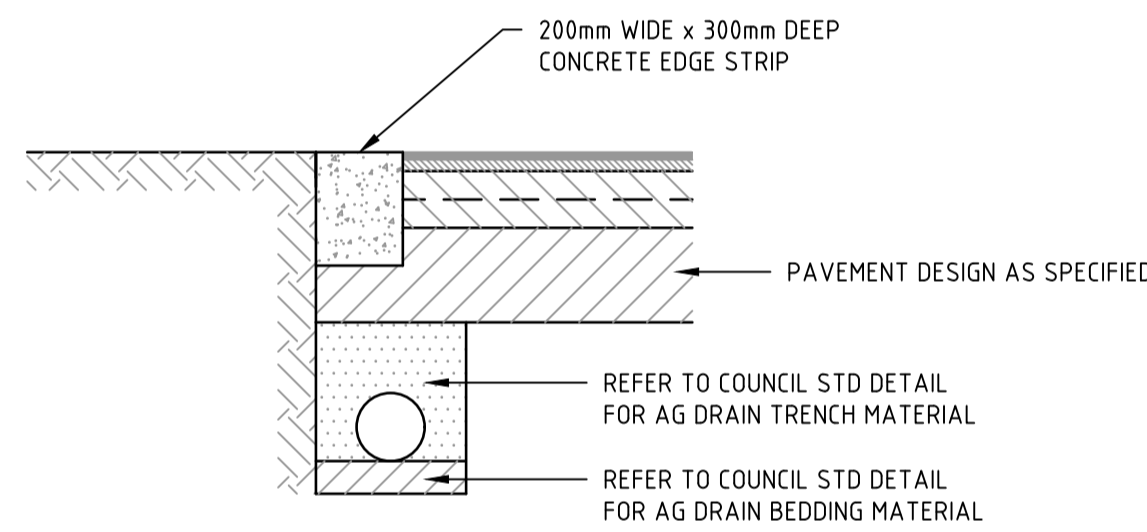
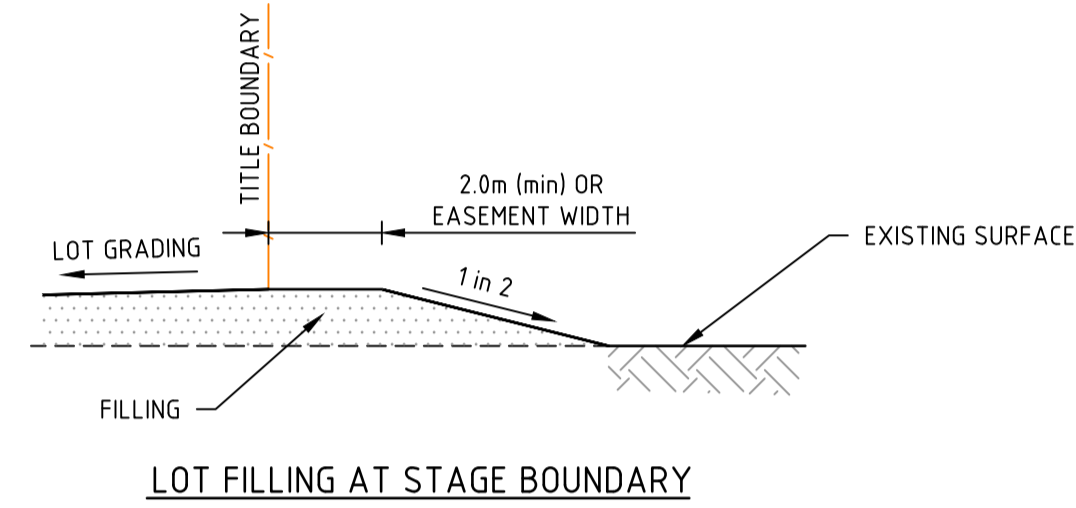
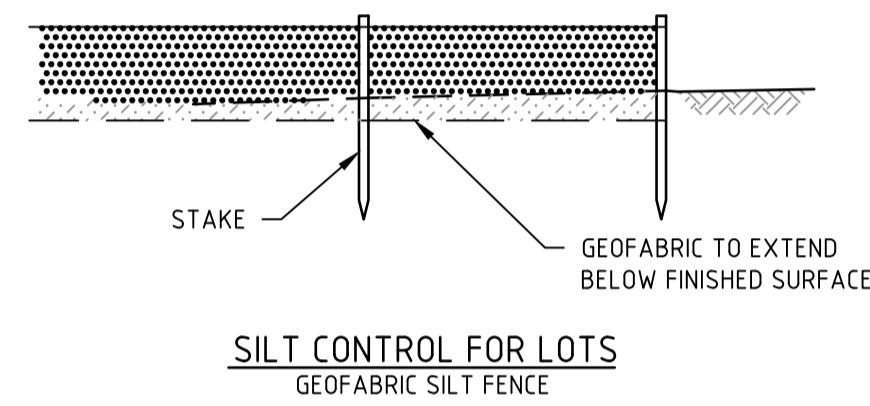
Drg No **309506CR601** Rev **1**

DESIGN PAVEMENT PROFILE

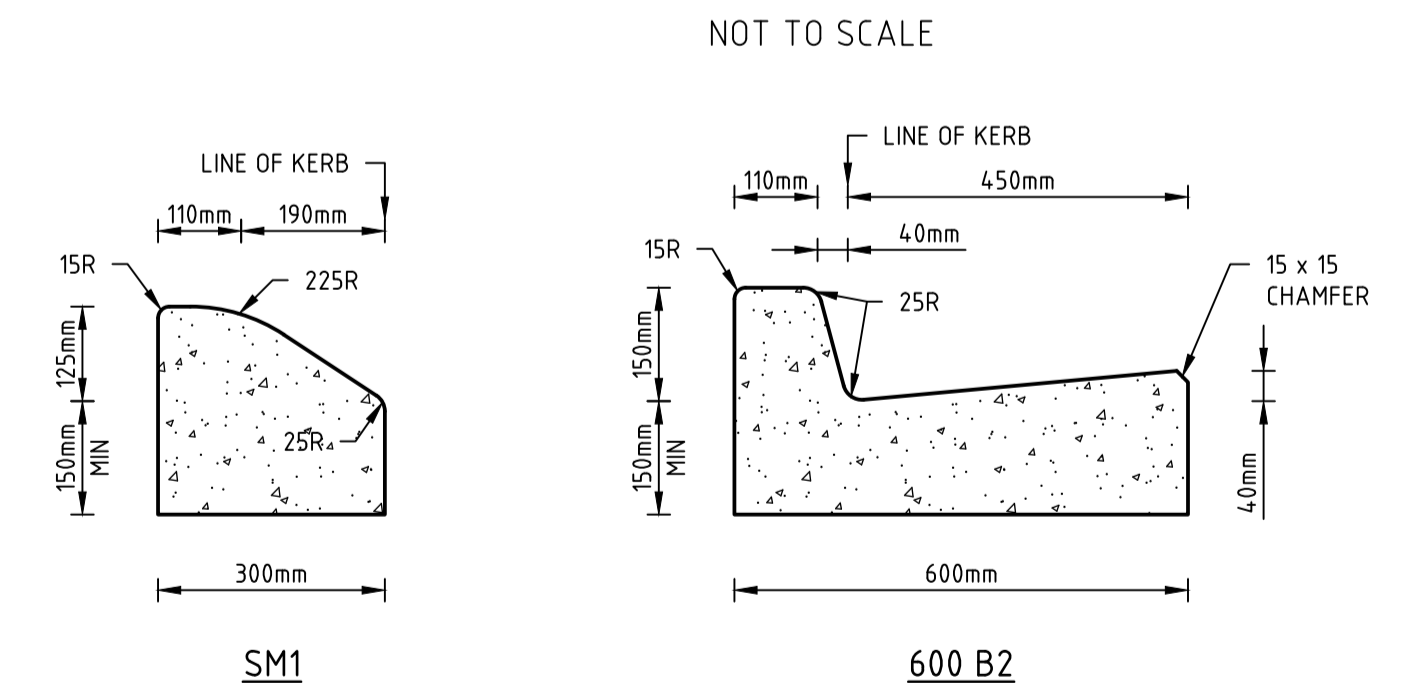
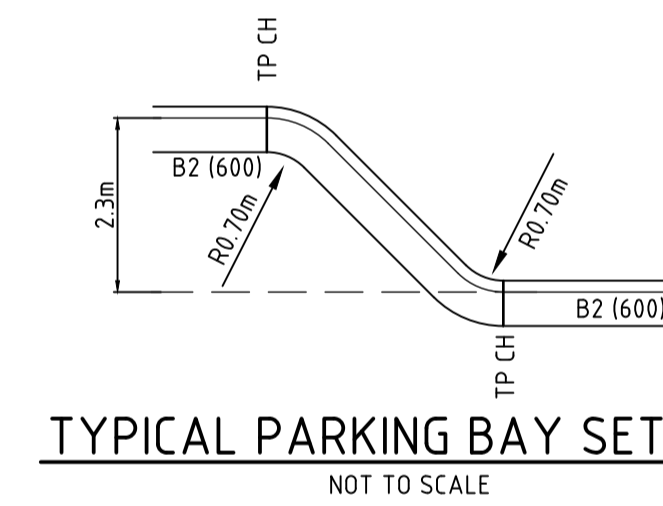
PAVEMENT LAYER	DESCRIPTION	TYPE		
		B	C	D
UPPER PAVEMENT LAYER				
ASPHALT WEARING COURSE	VICROADS SIZE 14 TYPE H, CLASS 320 BINDER	40	40	
	VICROADS SIZE 14 TYPE H, CLASS 170 BINDER			40
	VICROADS SIZE 10 TYPE N, CLASS 170 BINDER			
ASPHALT INTERMEDIATE COURSE	VICROADS SIZE 20 TYPE SI, CLASS 320 BINDER	75	75	
ASPHALT BASE COURSE	VICROADS SIZE 20 TYPE SF, CLASS 320 BINDER	75	75	
	VICROADS SIZE 10 TYPE N, CLASS 170 BINDER			40
	SAMI (SIZE 10 CLASS S18RF)	Y	Y	Y
	BITUMINOUS PRIME	Y	Y	Y
GRANULAR BASE	VICROADS 20mm CLASS 2 CRUSHED ROCK OR EQUIVALENT			110
LOWER PAVEMENT LAYER				
SUBBASE COURSE	3% CEMENT TREATED CRUSHED ROCK	100	100	
GRANULAR SUBBASE	VICROADS 20mm CLASS 2 CRUSHED ROCK OR EQUIVALENT	200	160	
	VICROADS 100mm CLASS 3 CRUSHED ROCK OR EQUIVALENT			140
	VICROADS 100mm CLASS 3 CRUSHED ROCK OR EQUIVALENT			130
CAPPING LAYER				
CAPPING LAYER	TYPE A MATERIAL, CBR ≥ 8%, SWELL ≤ 1.5%, PERMEABILITY ≤ 5 x 10 ⁻⁹ m/s	150	150	150
PAVEMENT DEPTH		640	600	610
CONSTRUCTION LAYER		150	150	150
TOTAL DEPTH		790	750	760

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%

ROAD NAME	TYPE
SHILLINGS ROAD	CONNECTOR STREET
BRUSHTAIL STREET	ACCESS STREET LEVEL 1
MORANT STREET	ACCESS STREET LEVEL 2
GLOSS STREET	ACCESS STREET LEVEL 2
PALETTE STREET	ACCESS STREET LEVEL 2
ELIMATA ROAD	ACCESS STREET LEVEL 2
NURTURE STREET	ACCESS STREET LEVEL 2
TONAL STREET	ACCESS STREET LEVEL 2
SUSTAIN STREET	ACCESS STREET LEVEL 2



H 1:1000 SCALE @ A1



PAVEMENT DETAILS

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

THE DESIGN HAS BEEN EXTRACTED FROM THE MAMBOURIN ESTATE - REMAINING STAGES (PRECINCT 2 AND 3, AND TOWN CENTRE) GEOTECHNICAL REPORT ON "GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN" (REPORT NO. 754-MELGE221991AE-AB). THIS DOCUMENTS SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED 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 AND COPIED TO SPIIRE.

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
CONCRETE BASE	PCP (MINIMUM FLEXURAL STRENGTH 4.5MPa, MINIMUM COMPRESSIVE STRENGTH 32MPa)	230
GRAVEL SUB BASE	CLASS 4 CRUSHED ROCK OR BETTER	125
CAPPING LAYER	VICROADS TYPE A CAPPING LAYER	150
TOTAL PAVEMENT DEPTH		505

file name: 309506CR700.dwg; location: c:\projects\mambourin\cadd\pavement\309506CR700.dwg; date: 23/06/2023 2:45 PM; sheet: 17 of 19 sheets

Rev	Description	By	Date	Scale
3	AS CONSTRUCTED	M.R.	23/06/23	
2	STREET NAME UPDATED	M.R.	24/02/23	
1	DETAILS UPDATED	M.R.	08/11/22	
0	ISSUED FOR CONSTRUCTION	M.R.	12/09/22	
C	CTCR PERCENTAGE UPDATED	M.R.	31/08/22	
B	PAVEMENT PROFILE UPDATED	M.R.	12/08/22	
A	PRELIMINARY ISSUE	M.R.	11/07/22	
Rev	Amendments	Approved	Date	



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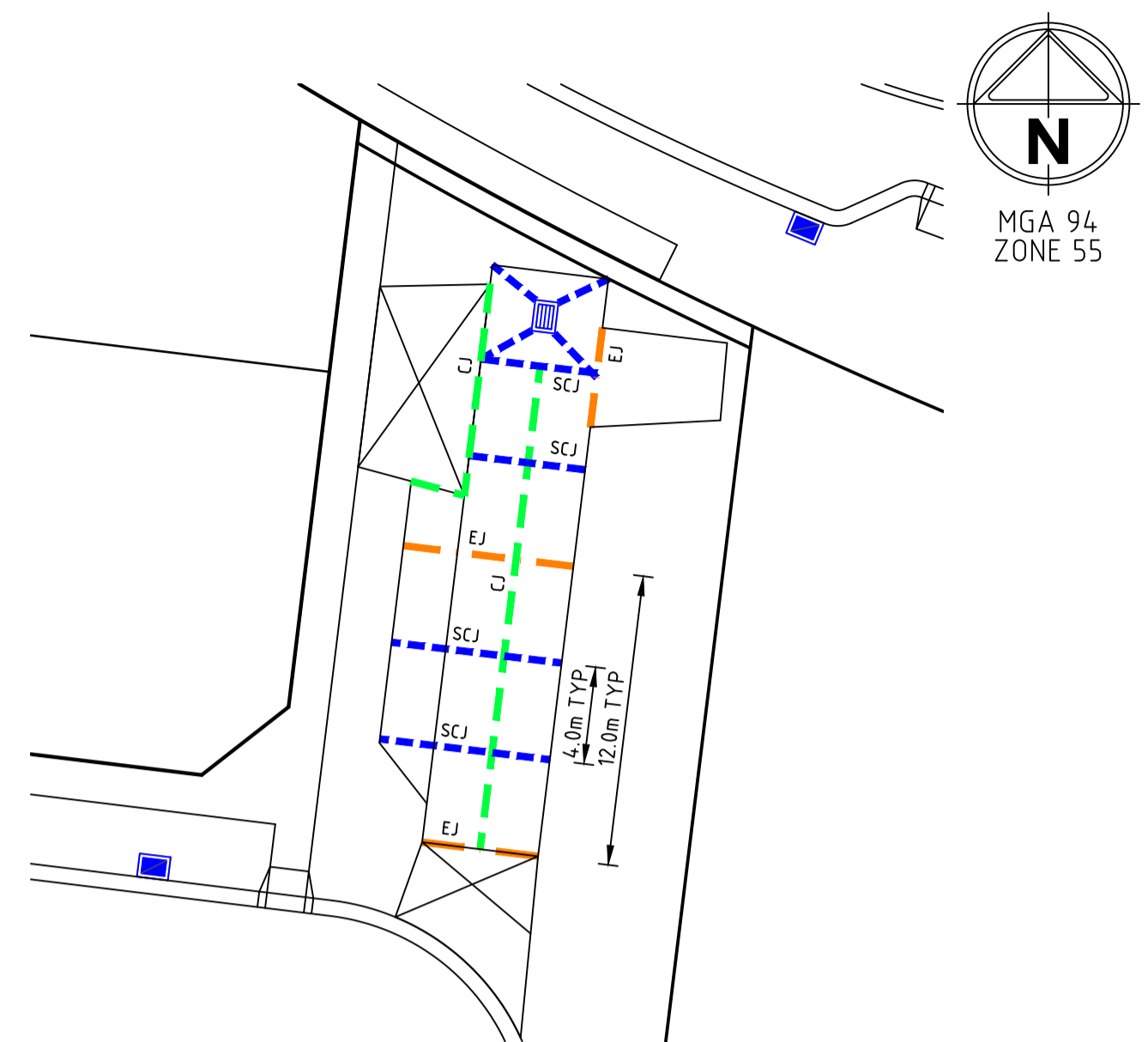
Designed
K. FEARN-WANNAN
Authorised
G. KOHLMAN



Checked
G. KOHLMAN
Date
07-12-22

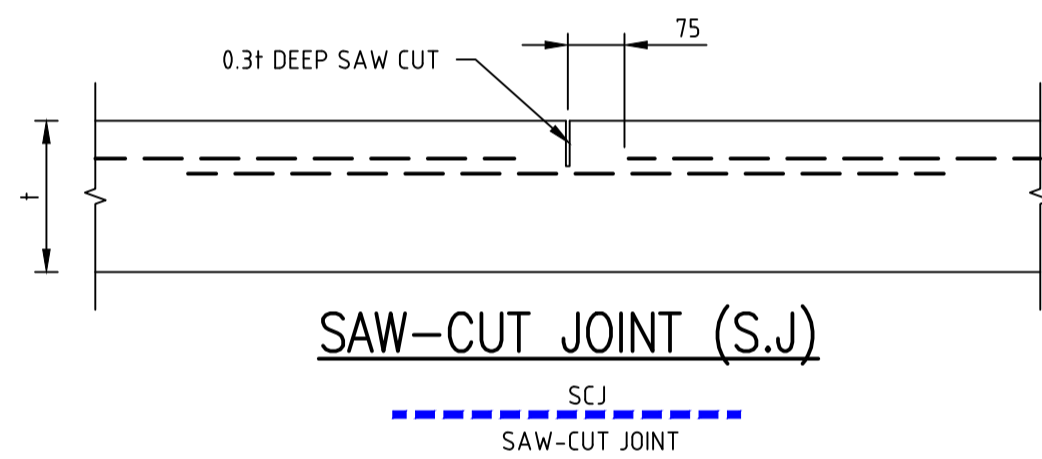
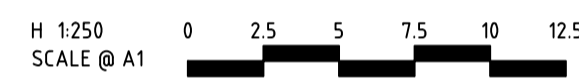
**MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS**
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED Drg No 309506CR700 Rev 3

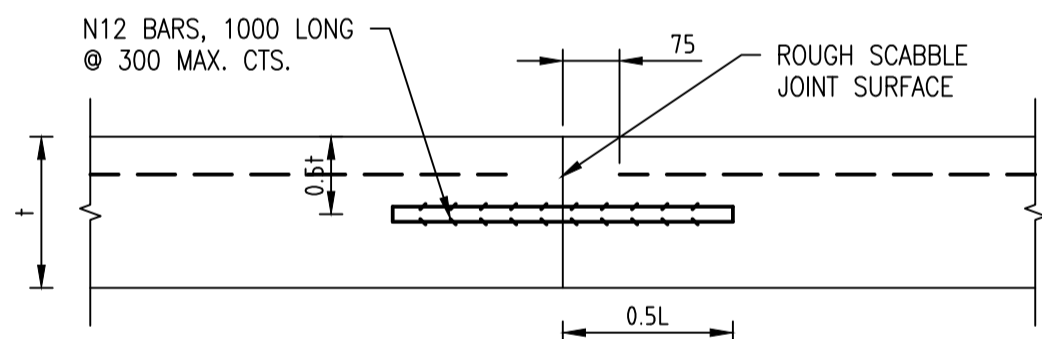


**CONCRETE JOINTING DETAIL
EXTENDED DRIVEWAY**

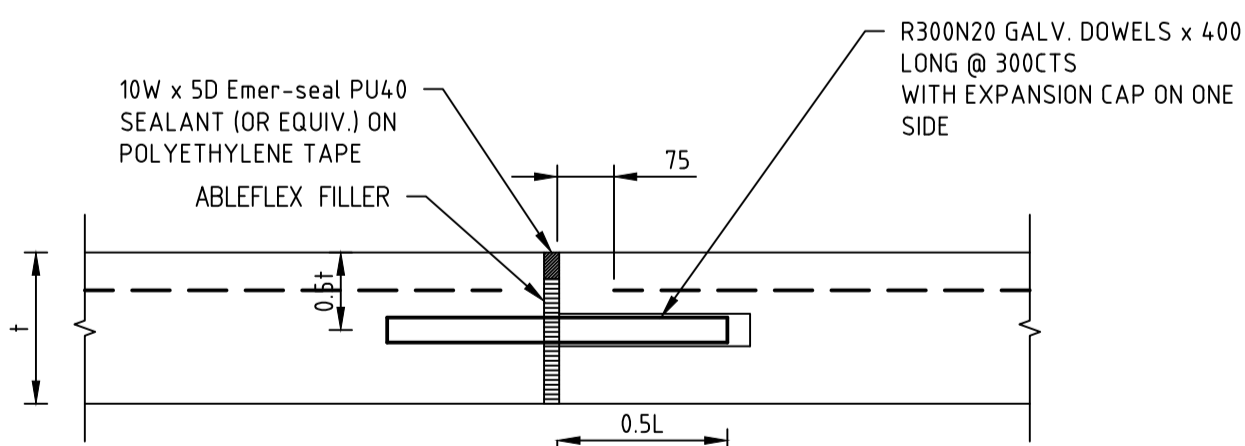
NOTE:
EXTENDED DRIVEWAY TO BE CONSTRUCTED PER "HEAVY DUTY CONCRETE CROSSOVER" REFER TO EDCM503



SAW-CUT JOINT (S.C.J)



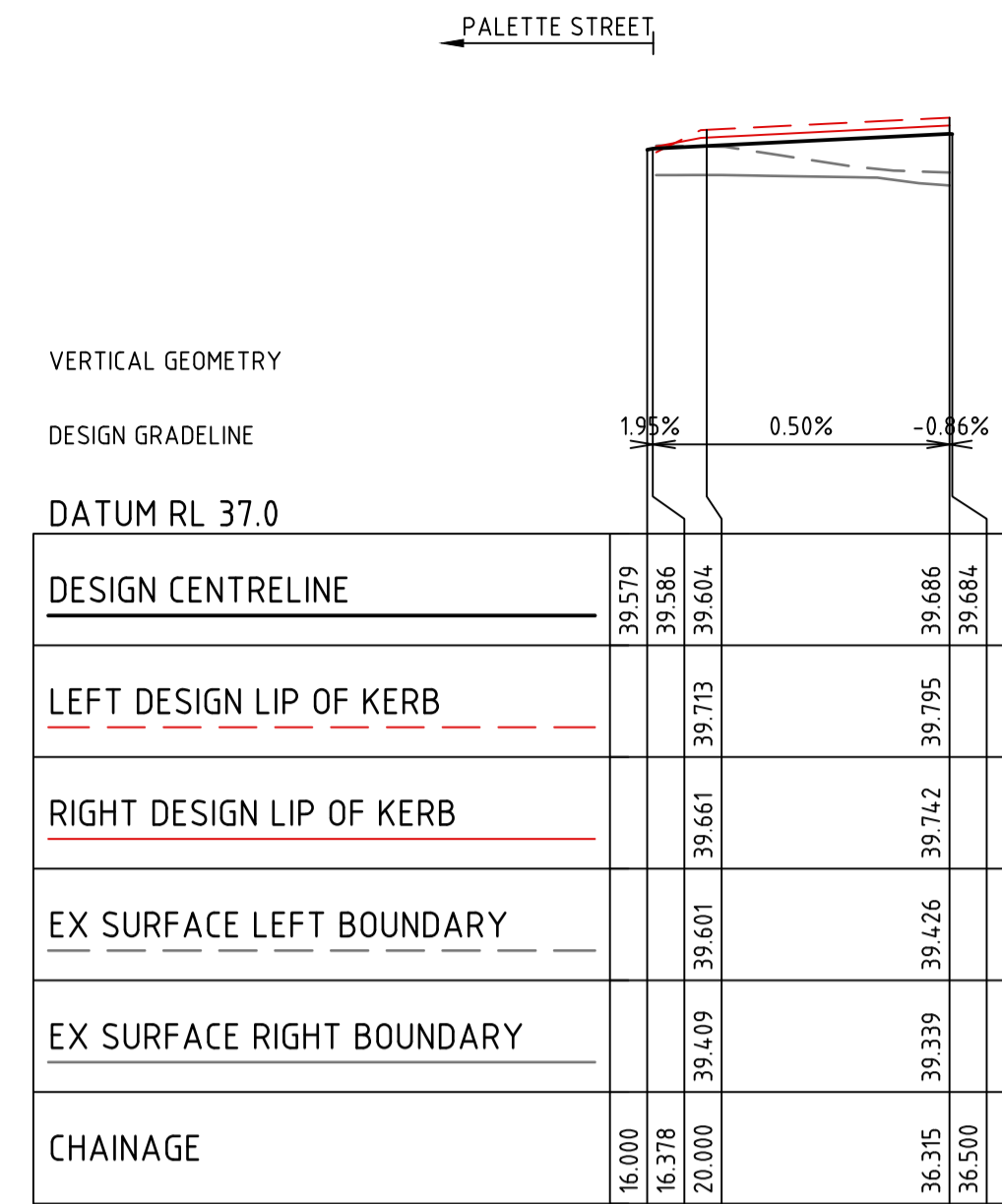
CONSTRUCTION JOINT (C.J)



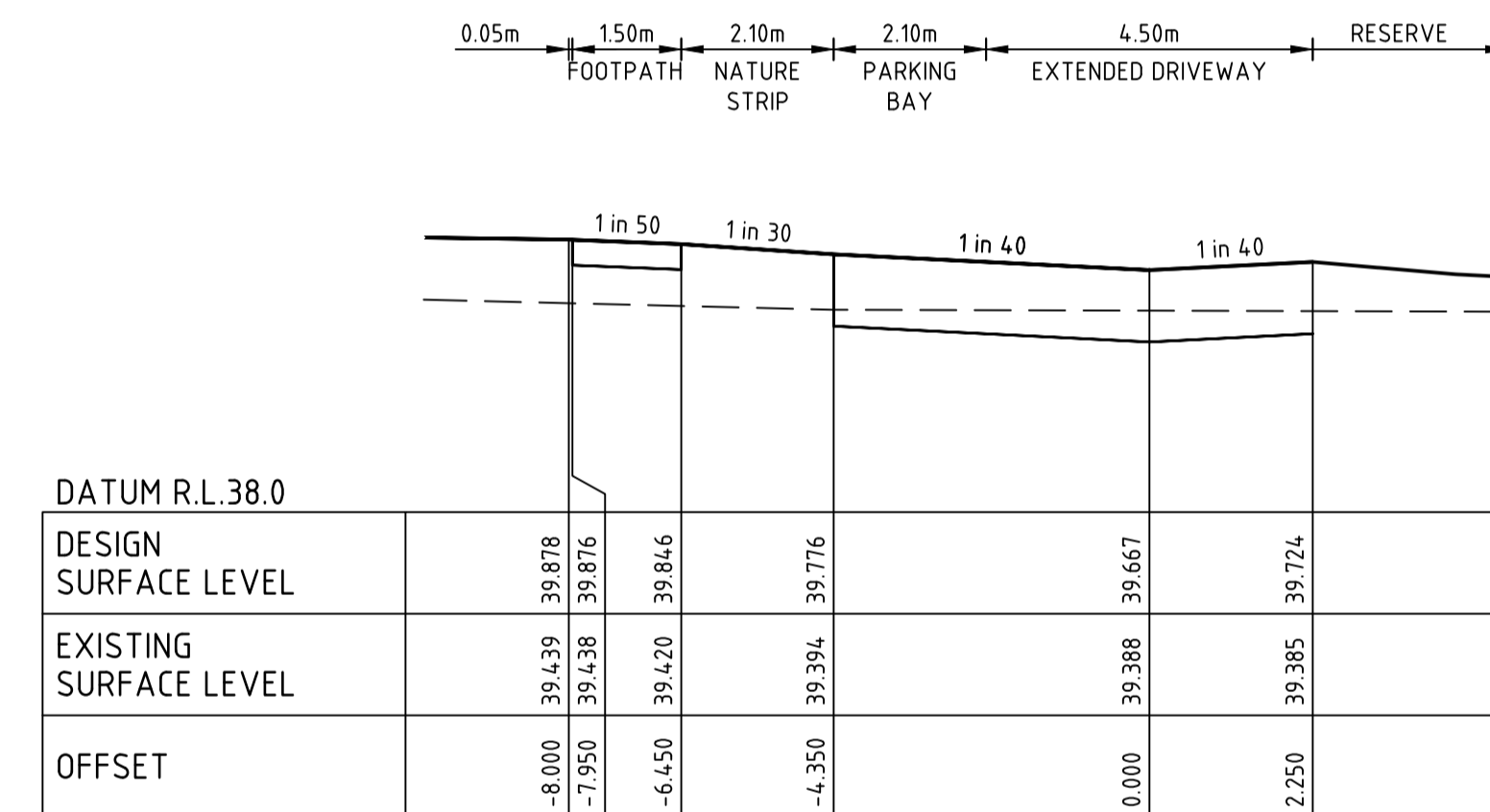
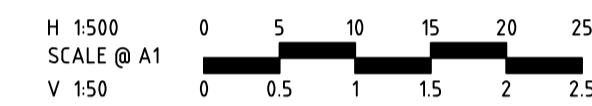
EXPANSION JOINT (E.J)

CONCRETE AND JOINTING GENERAL NOTES

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- 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.
- ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.
- VARIATION TO JOINT LAYOUT BY CONTRACTOR WILL NOT BE ACCEPTED WITHOUT SPECIFIC WRITTEN APPROVAL OF SUPERINTENDENT & COUNCIL.
- ALL DOWELS IN EXISTING CONCRETE ARE TO BE GREASED TO THE FACE OF THE EXISTING CONCRETE BEFORE THE NEXT POUR.
- ISOLATION JOINTS ARE TO BE PROVIDED AROUND ALL PIT SIDES INTERFACING WITH PAVEMENT.

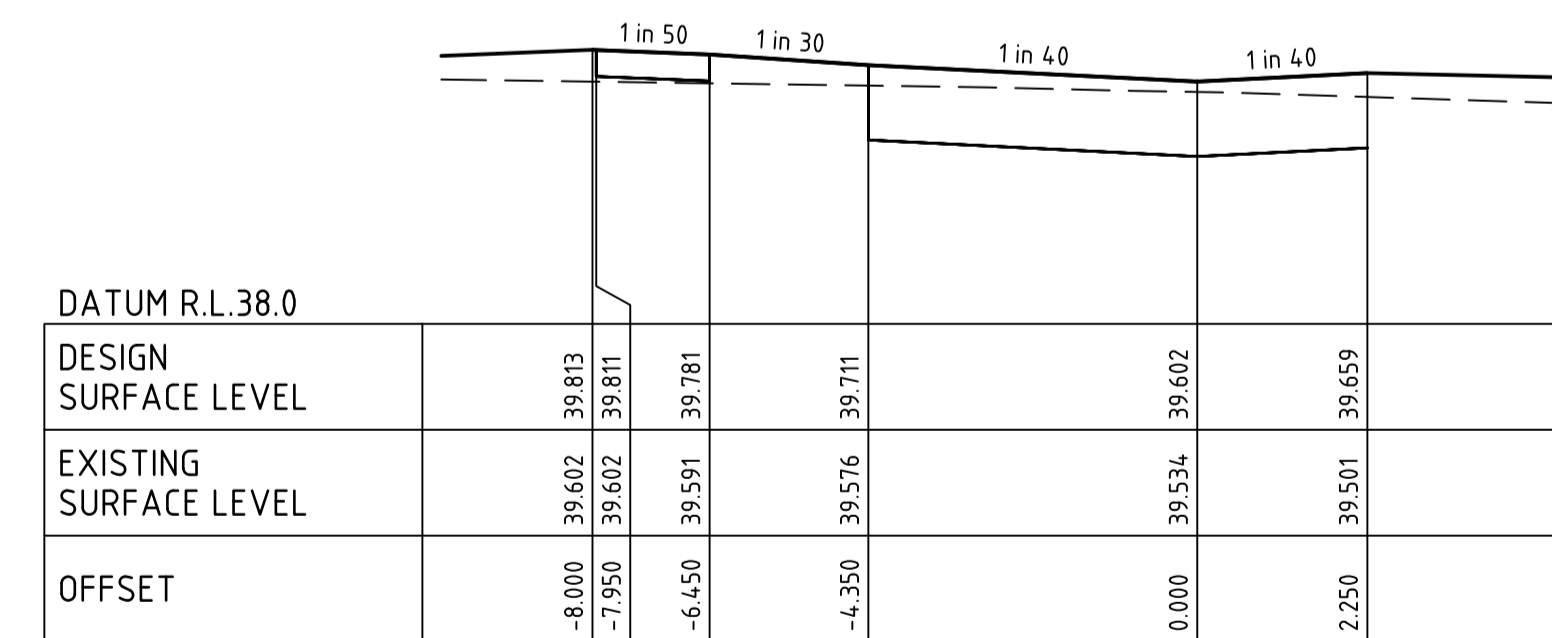


EXTENDED DRIVEWAY



EXTENDED DRIVEWAY

CH 32.60



EXTENDED DRIVEWAY

CH 19.60



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Rev	Description	Approved	Date
2	AS CONSTRUCTED	M.R	23/06/23
1	JOINTING PLAN AMENDED	MLR	08/11/22
0	ISSUED FOR CONSTRUCTION	MLR	12/09/22
B	CONCRETE JOINTING PLAN UPDATED	M.R	12/08/22
A	PRELIMINARY ISSUE	MLR	11/07/22
	Amendments	Approved	Date

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Designed
K. FEARN-WANNAN

Checked
G. KOHLMAN

Authorised
G. KOHLMAN

Date
07-12-22

**MAMBOURIN
STAGE 19
ROAD AND DRAINAGE
EXTENDED DRIVEWAY DETAILS**
WYNDHAM CITY COUNCIL
FRASERS PROPERTY LTD

AS CONSTRUCTED Drg No **309506CR701** Rev **2**

