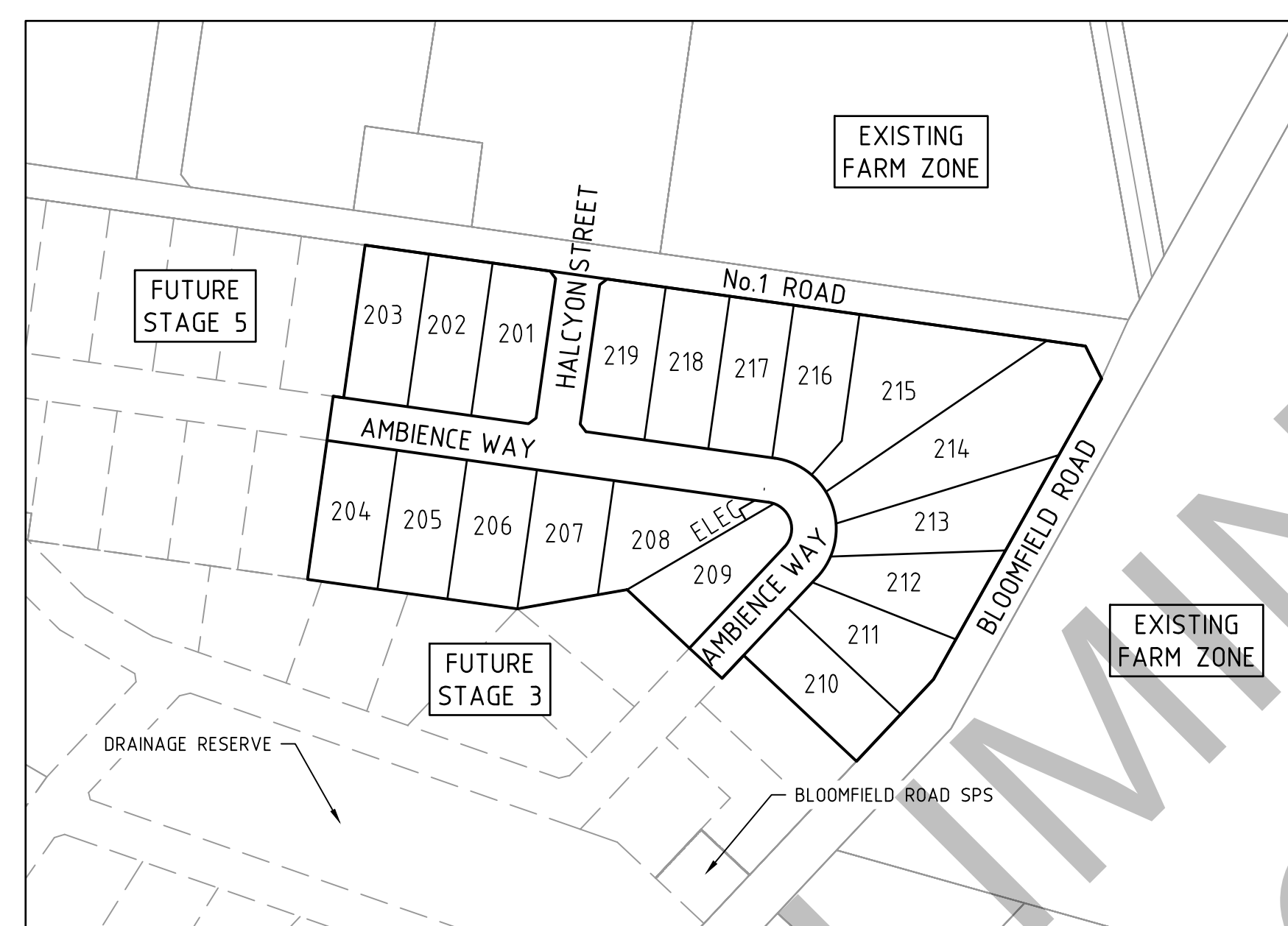
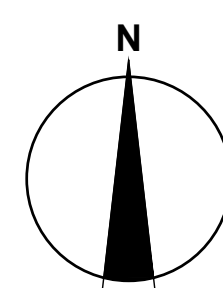


BLOOMFIELD ESTATE, NILMA

STAGE 2 - DETAILED DESIGN

BAW BAW SHIRE COUNCIL - PLA0172/19



LOCALITY PLAN
VIC ROADS REF: 705 N7



Principal

Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

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- LEGEND - LAYOUT PLAN**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - SERVICE CONDUITS
 - TACTILE PAVERS
 - EXISTING ELECTRICITY (UNDERGROUND)
 - EXISTING ELECTRICITY (OVERHEAD)
 - EXISTING GAS
 - EXISTING TELSTRA
 - EXISTING WATER
 - EXISTING RISING MAIN
 - EXISTING STORMWATER DRAIN

- EXISTING RECYCLED WATER
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP

- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN
- DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN,
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE RETAINED/REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PROPOSED STREET LIGHT
- TREE PROTECTION ZONE (TPZ)

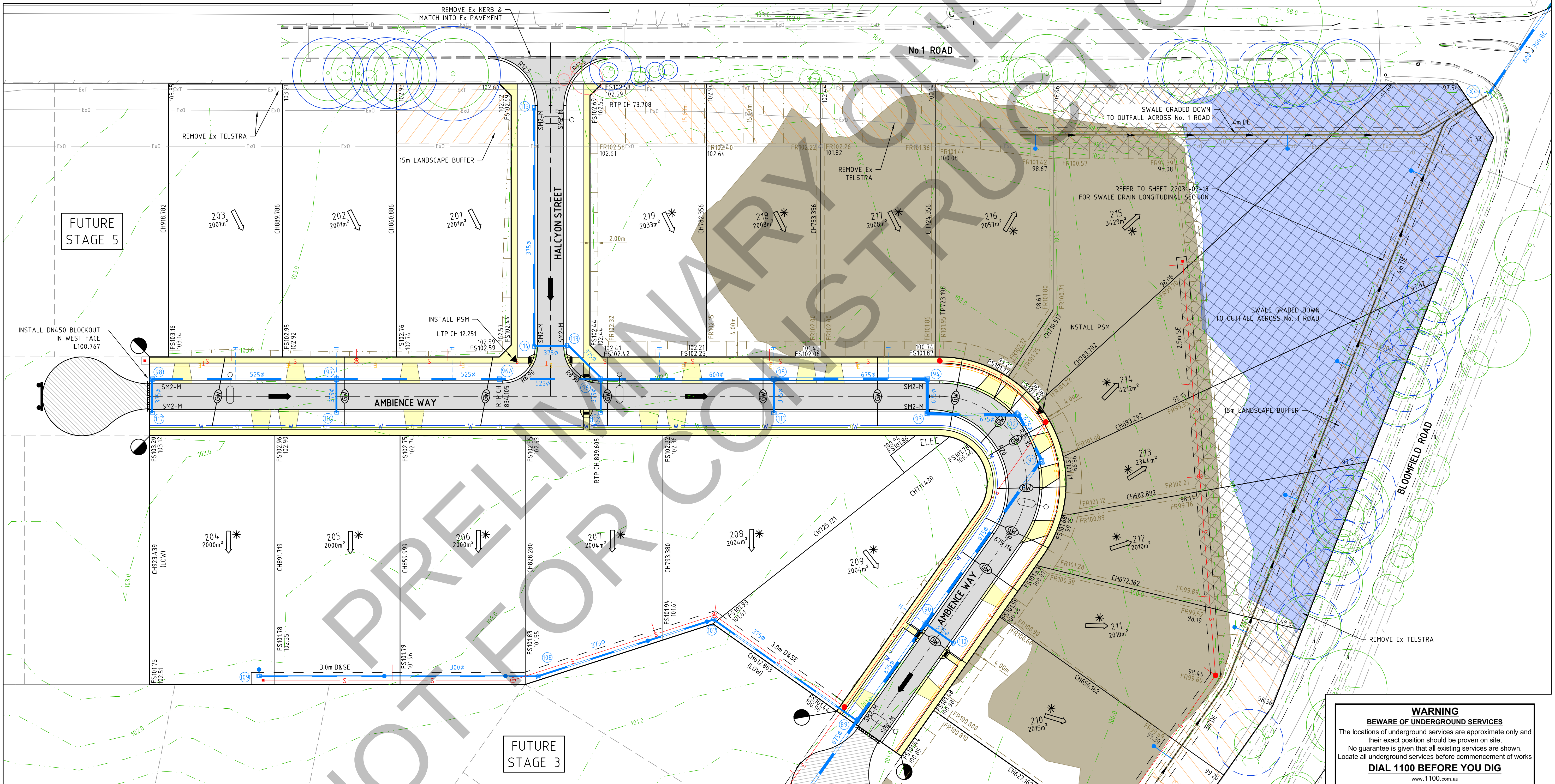
ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
AMBIENCE WAY	ACCESS ROAD	20.00	6.70	7.30	7.90	SM2-M	SM2-M	6.05	6.05
HALCYON STREET	ACCESS ROAD	20.00	6.70	7.30	7.90	SM2-M	SM2-M	6.05	6.05

ROAD NAME	GAS	SIDE	OFFSET (m)	WATER	SIDE	OFFSET (m)	ELECTRICITY		TELSTRA	
							SIDE	OFFSET (m)	SIDE	OFFSET (m)
AMBIENCE WAY (LOT 201-208 & 215-219)	SOUTH	2.10	2.10	SOUTH	2.60	2.60	NORTH	2.30	NORTH	1.80
AMBIENCE WAY (LOT 209-214)	WEST	2.10	2.10	WEST	2.60	2.60	EAST	2.30	EAST	1.80
HALCYON STREET	WEST	2.10	2.10	WEST	2.60	2.60	EAST	2.30	EAST	1.80

Q100 INUNDATION EXTENT

NOTE
CONTRACTOR TO ORGANISE NEW CONSTRUCTION
TBM'S PRIOR TO COMMENCEMENT OF WORKS

LOCALISED SWALE TO
EXISTING DRAIN



WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
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REFER TO 22031-02-02 FOR CONTINUATION

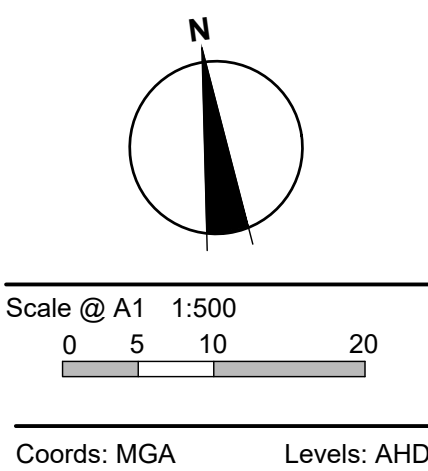
I:\work\22031 - 41 Bloomfield road nilma\22031-02-02.dwg 22031-02-01

REVISION	DATE	DES/DT	APPD
A INITIAL ISSUE	19.08.25	AC/AC	NG



Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024



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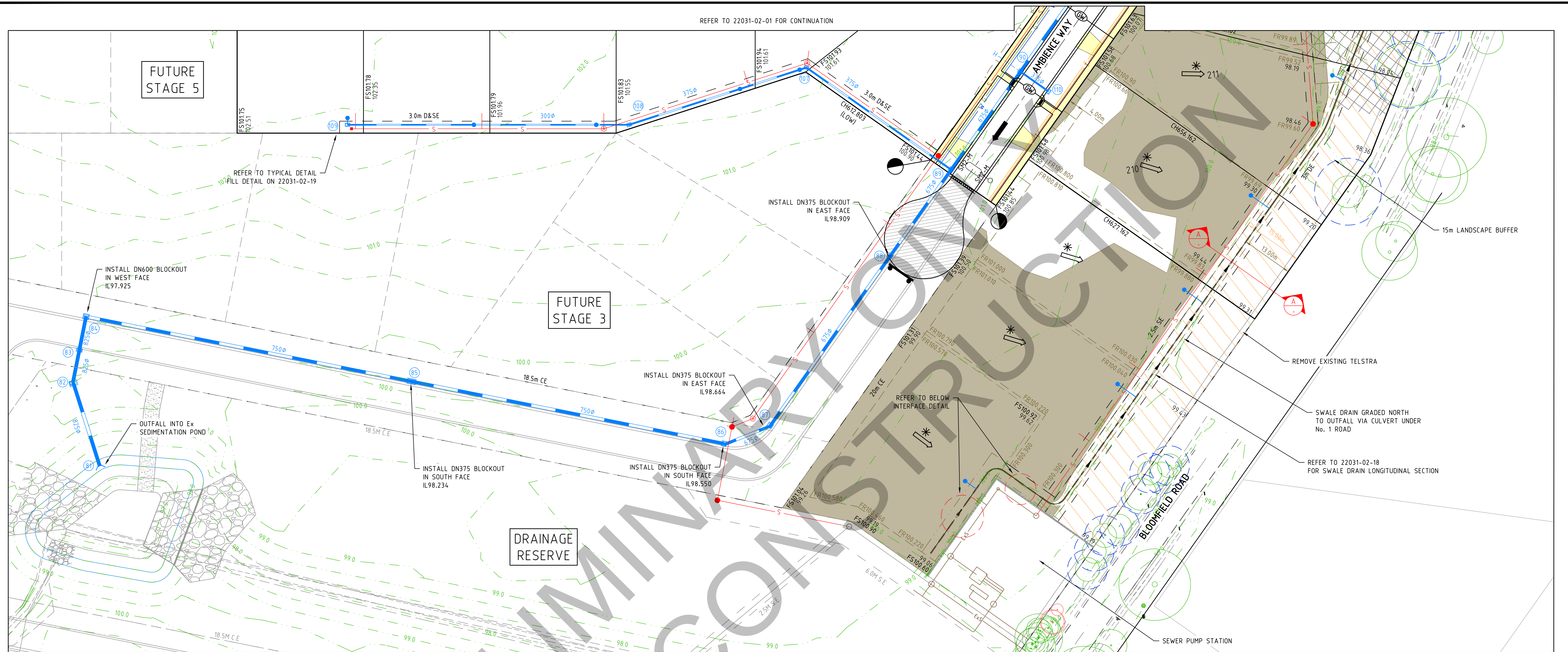
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
LAYOUT PLAN - SHEET 1 OF 2

Drawing No. 22031-02-01
Sheet No. 01 of 22

Rev A

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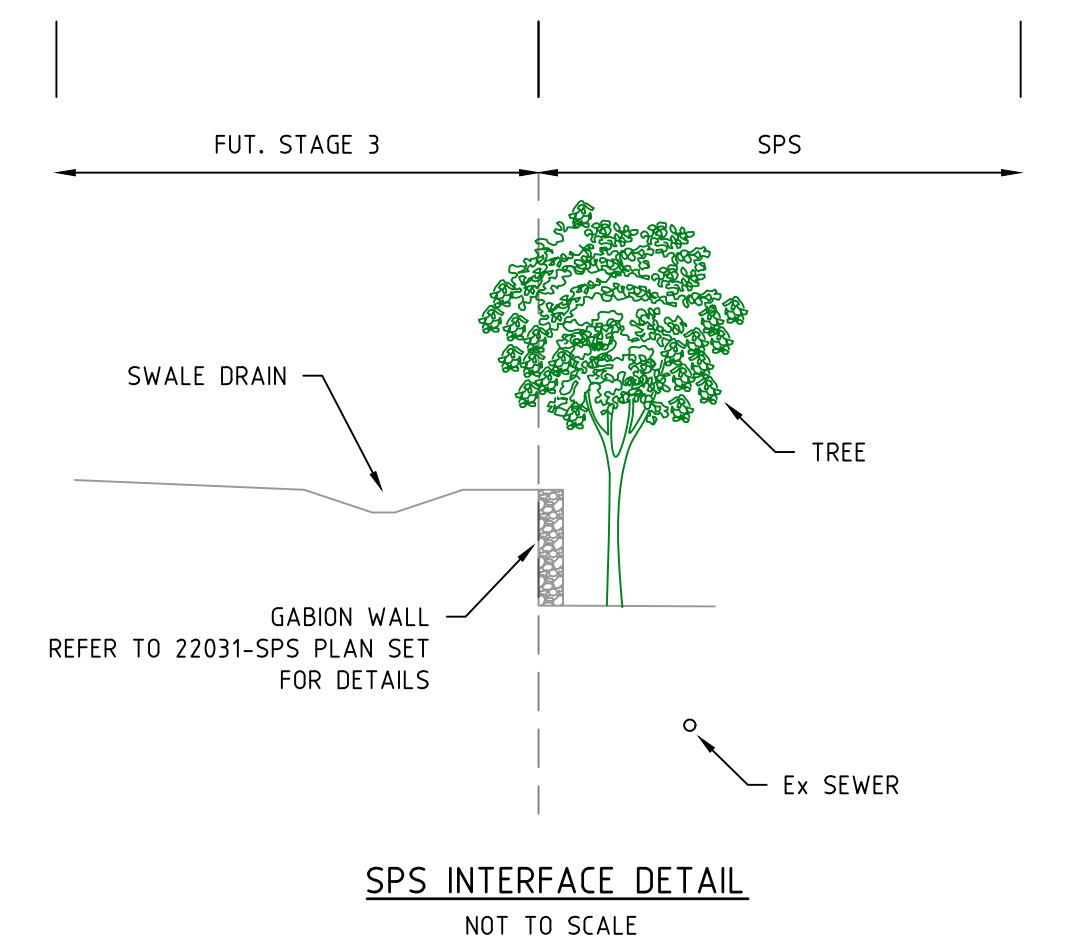
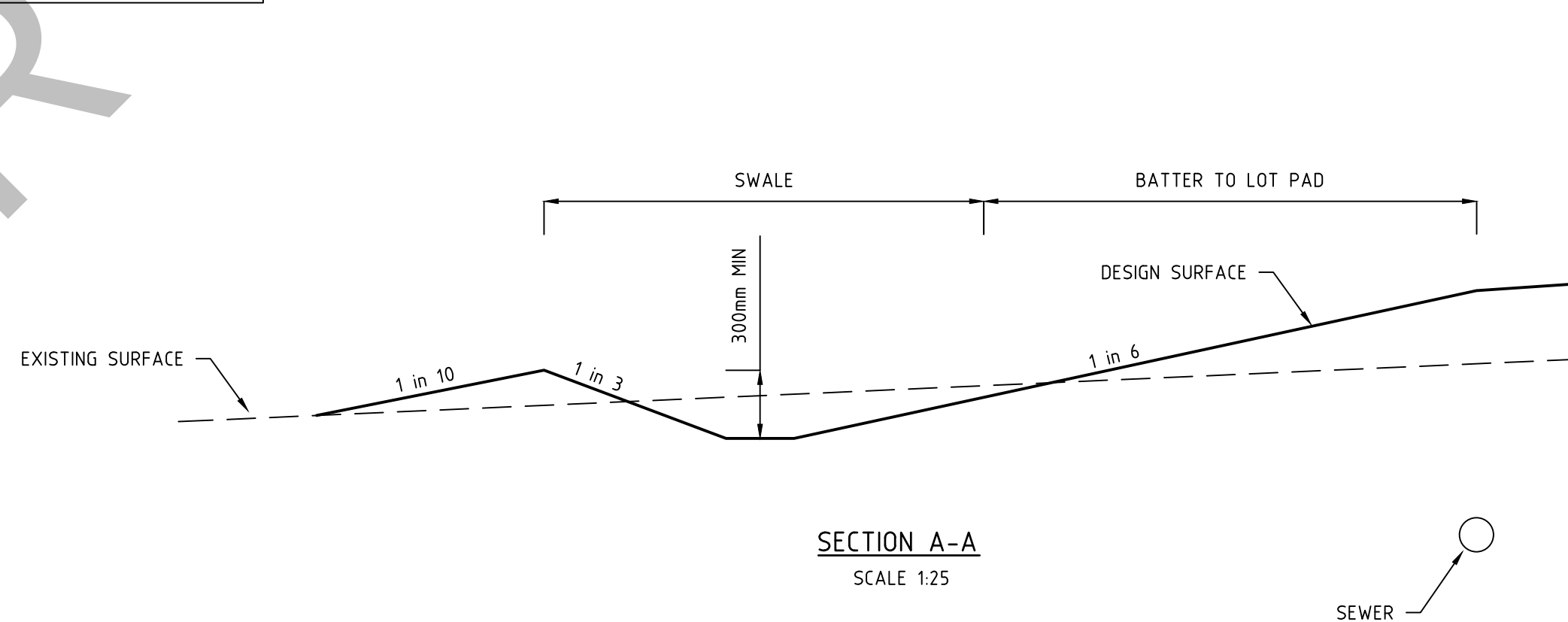


ROAD NAME	SERVICES OFFSET SCHEDULE							
	GAS		WATER		ELECTRICITY		TELSTRA	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
AMBIENCE WAY (LOT 201-208 & 215-219)	SOUTH	2.10	SOUTH	2.60	NORTH	2.30	NORTH	1.80
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			LIP to LIP	INV to INV	BACK to BACK		NTH/WEST	STH/EAST	NTH/WEST	STH/EAST	
AMBIENCE WAY	ACCESS ROAD	20.00	6.70	7.30	7.90		SM2-M	SM2-M	6.05	6.05	
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LEGEND - LAYOUT PLAN	
	STORMWATER DRAIN, PIT & PROPERTY INLET
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	SEWER & MAINTENANCE STRUCTURES
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	SERVICE CONDUITS
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	PROPOSED STREET LIGHT
	TREE PROTECTION ZONE (TPZ)

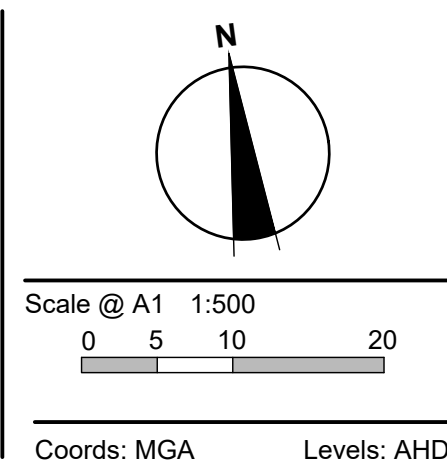


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Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
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N.Green
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Date
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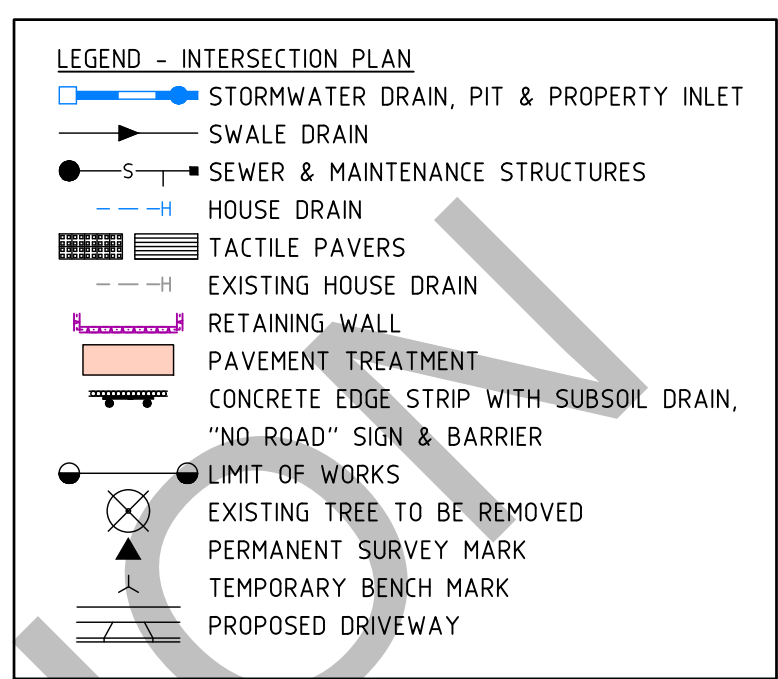
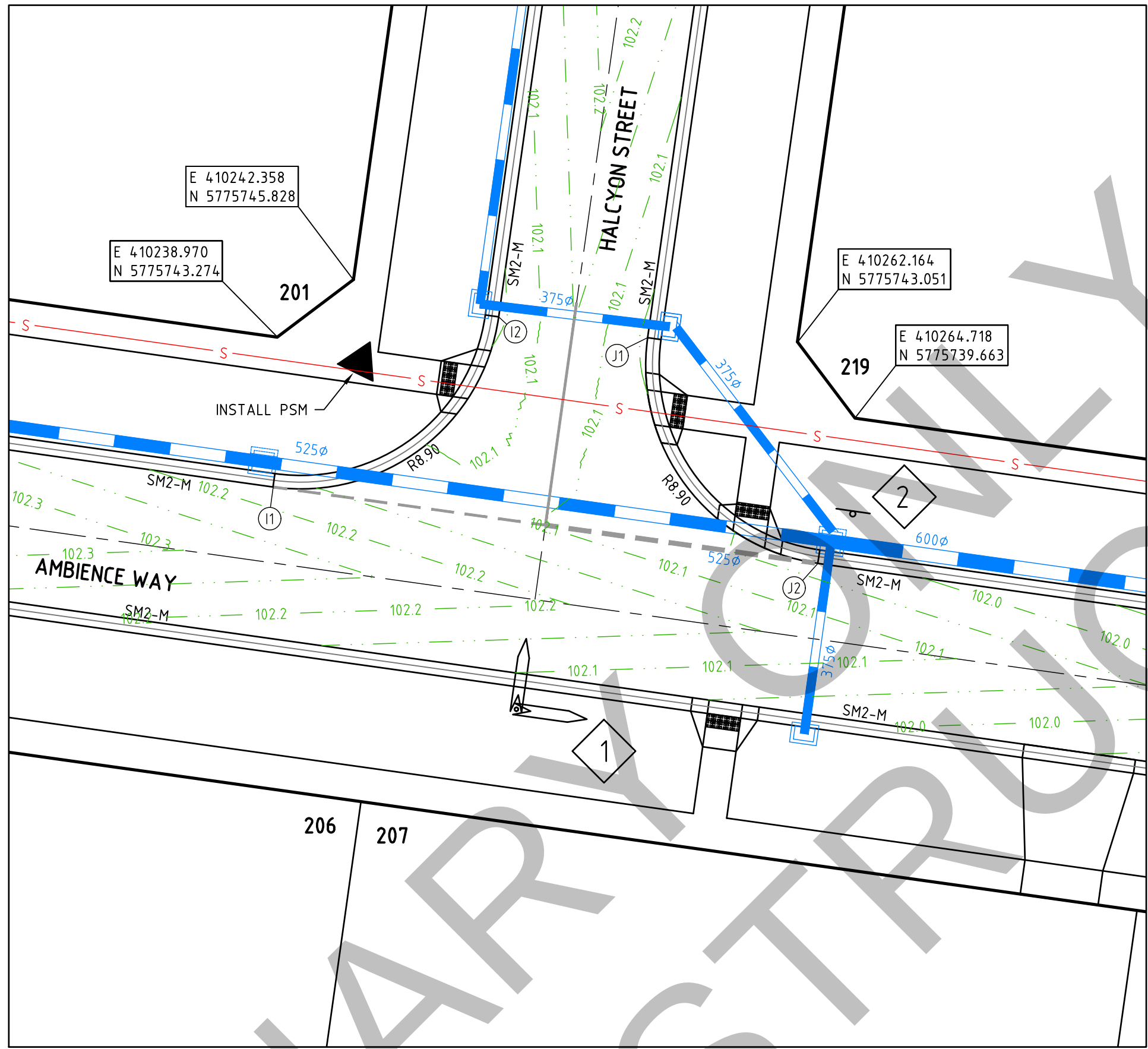
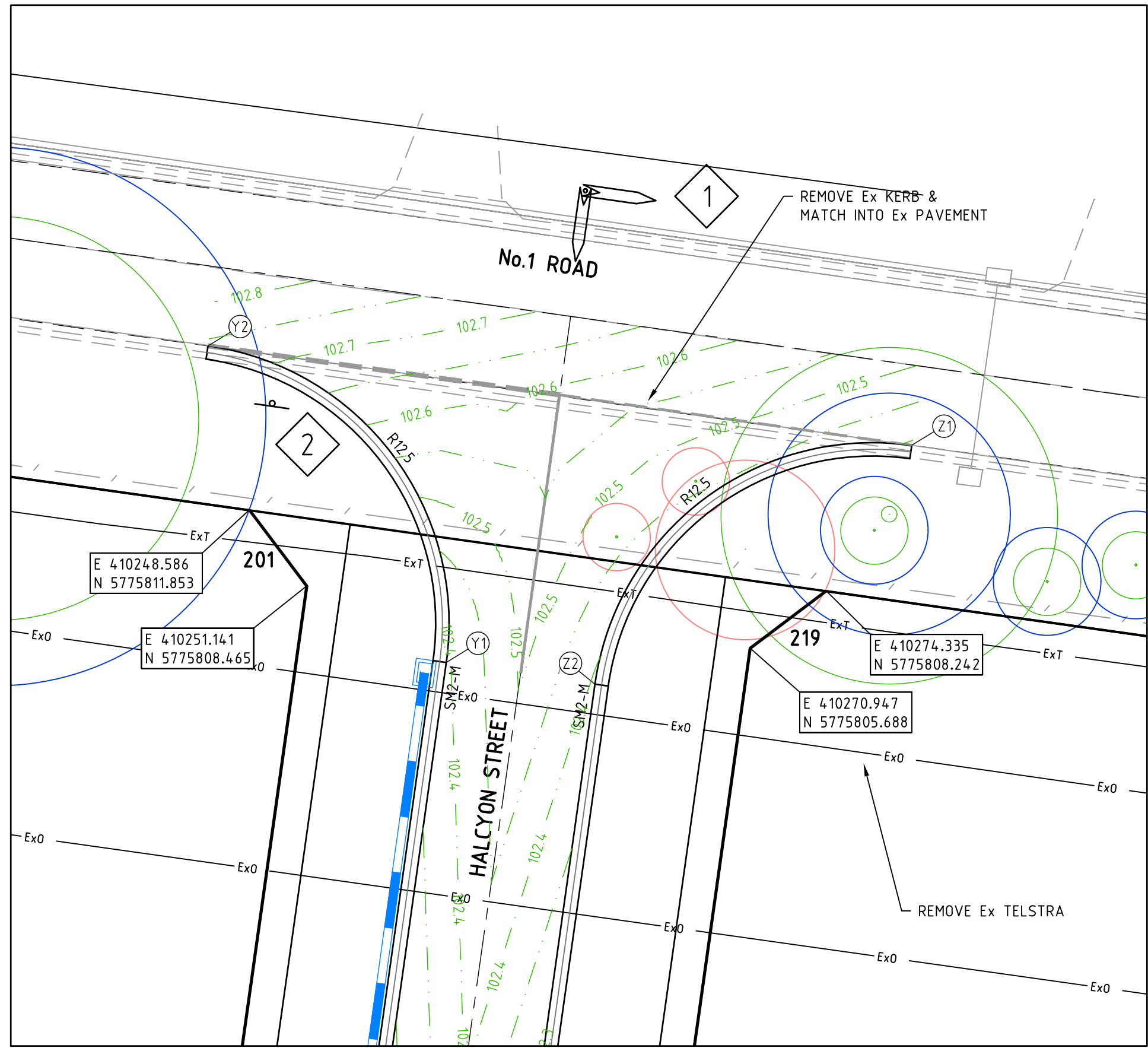
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
LAYOUT PLAN - SHEET 2 OF 2

Drawing No. 22031-02-02
Sheet No. 02 of 22

Rev A

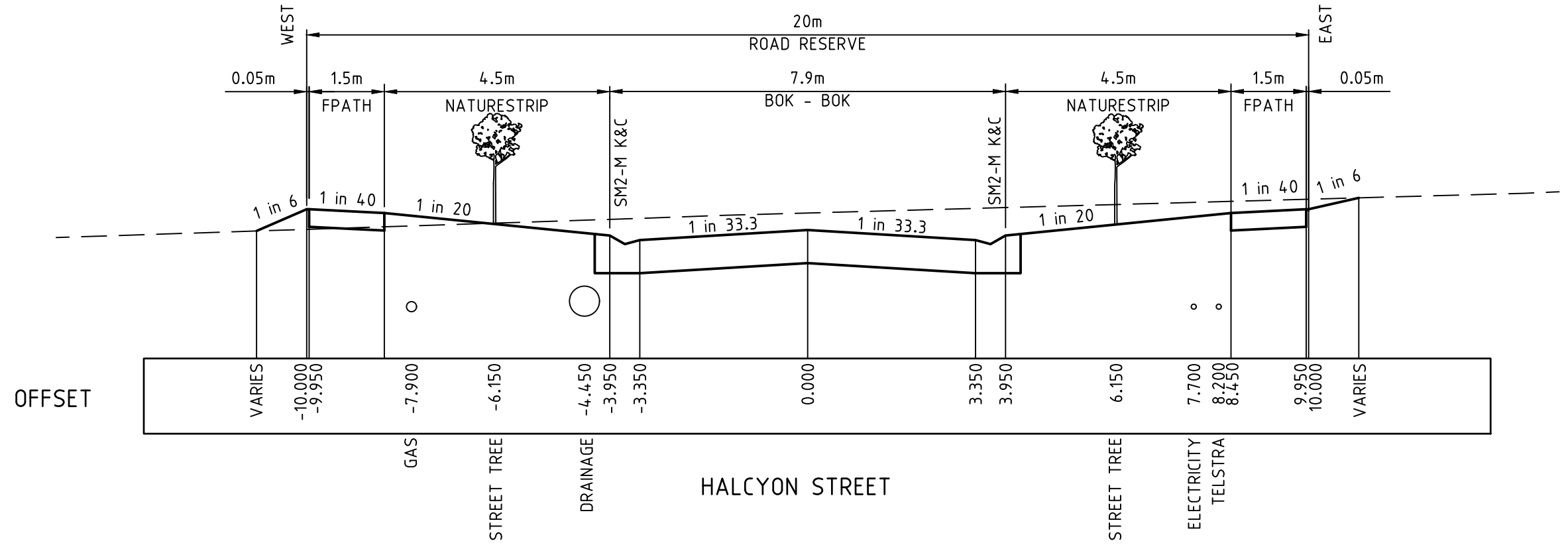
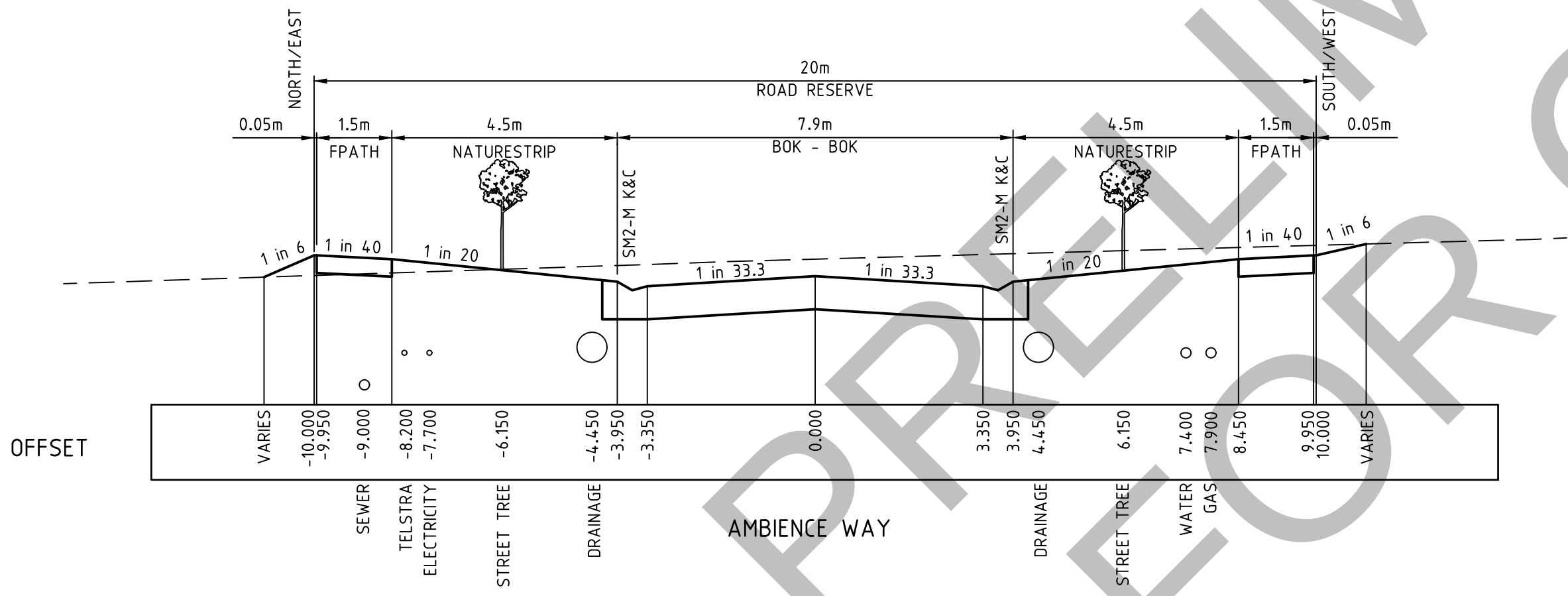
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SIGN SCHEDULE	
SIGN	REF
	1
STREET SIGN	
	2
R1-2	

- NOTES
- REFER TO SHEET No 04 FOR LIP PROFILES.
 - REFER TO SHEET No 04 FOR SETOUT INFORMATION.
 - 90° BENDS TO HAVE CENTRELINE MARKING WITH RRPM'S AT MAX 6m SPACING.

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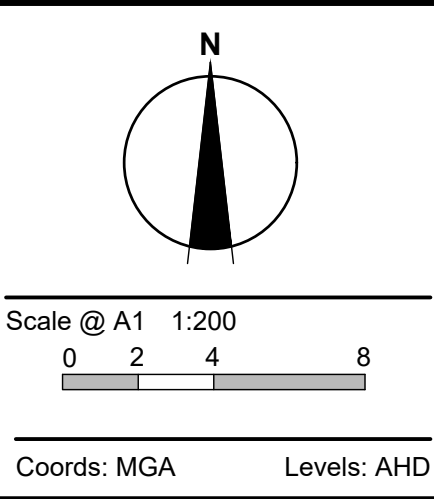


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Malvern East, VIC, 3145

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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
INTERSECTION PLAN & TYPICAL CROSS SECTIONS
Drawing No. 22031-02-03
Sheet No. 03 of 22
Rev A
INITIAL ISSUE



LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE

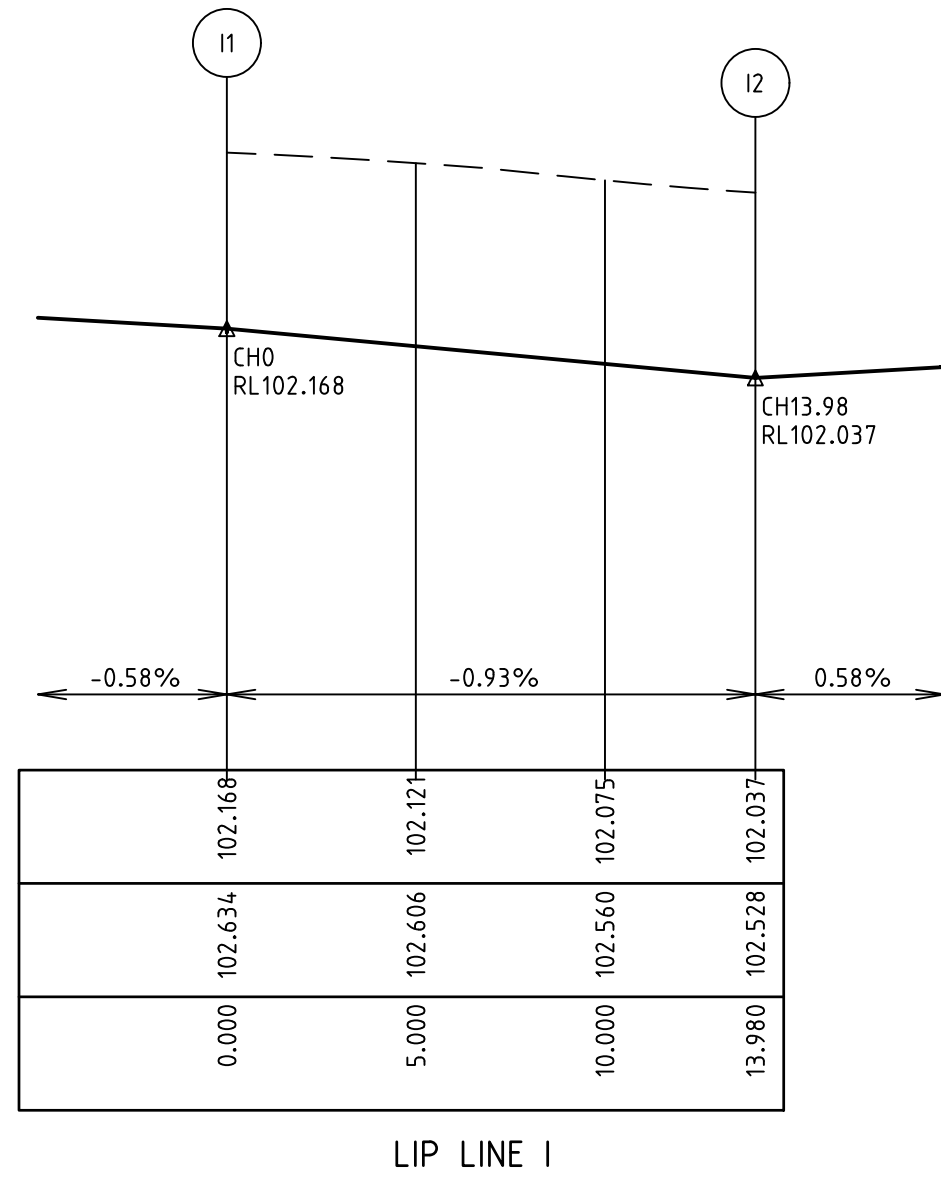
VERTICAL GEOMETRY

DATUM RL101

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE I

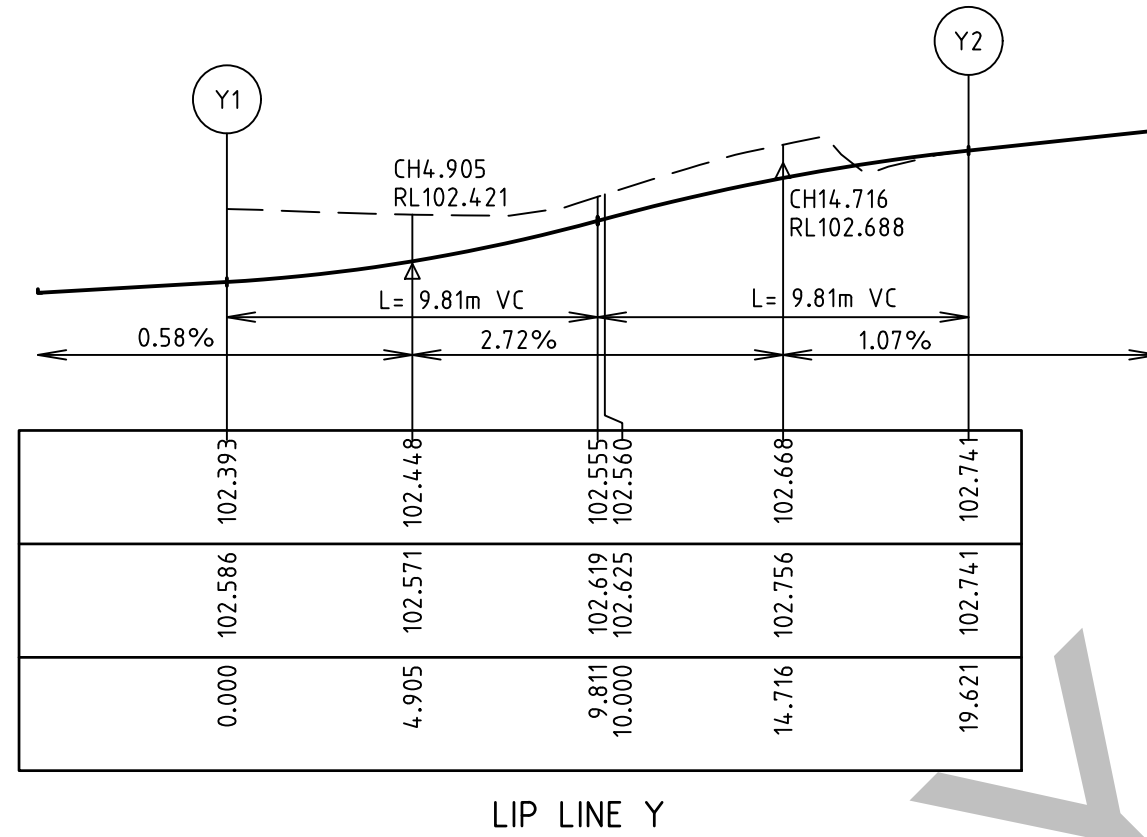
VERTICAL GEOMETRY

DATUM RL102

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE Y

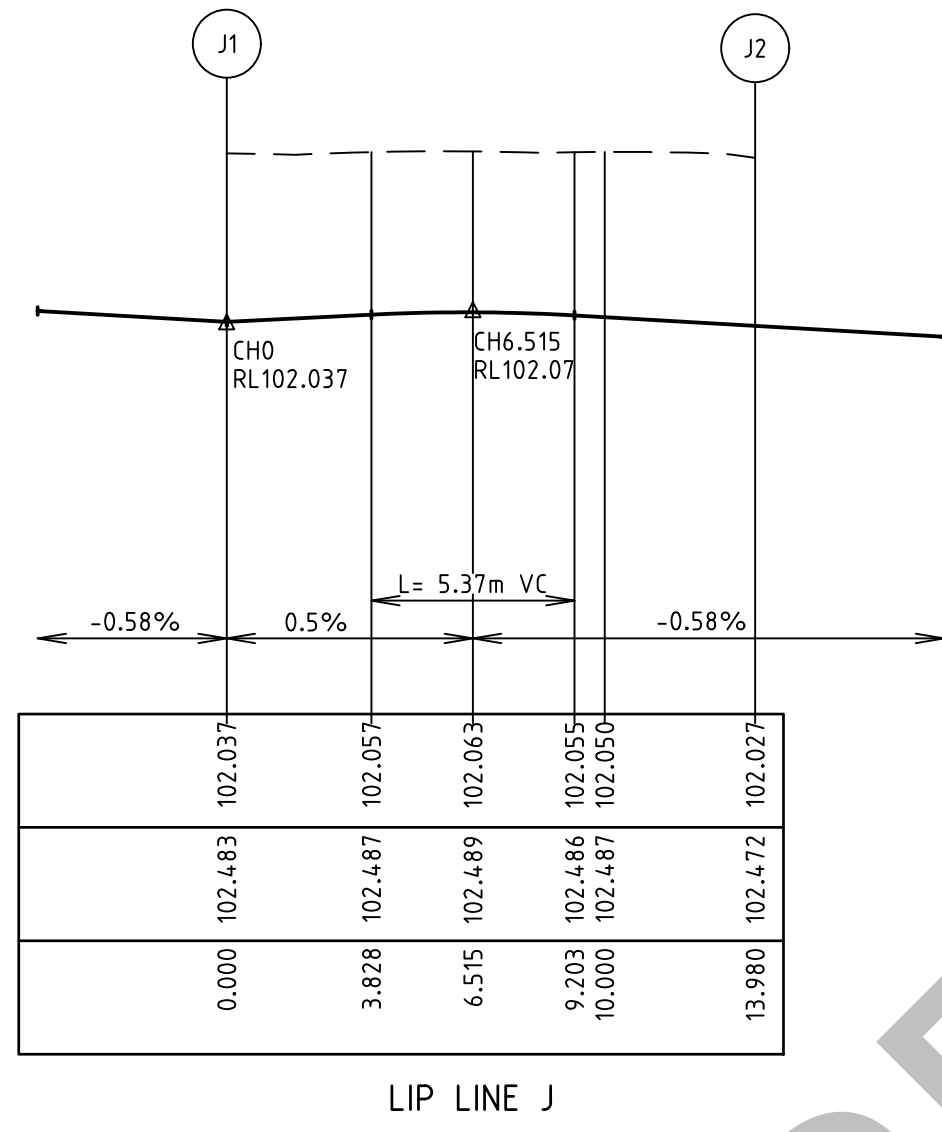
VERTICAL GEOMETRY

DATUM RL101

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE J

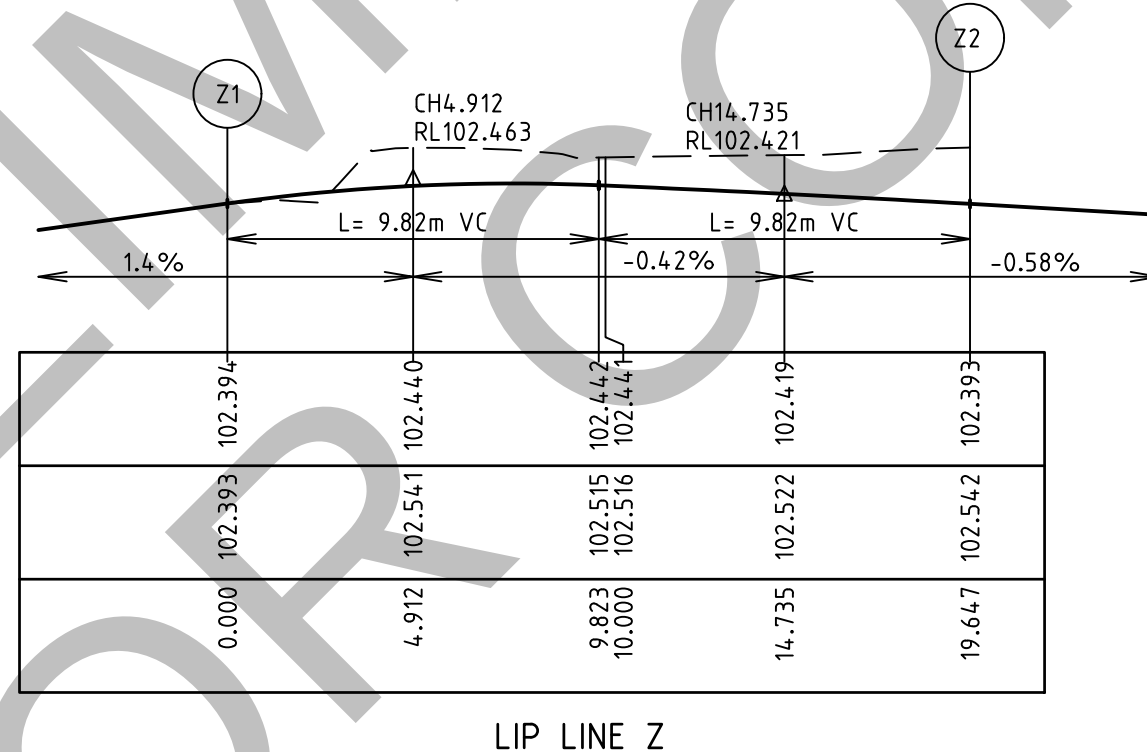
VERTICAL GEOMETRY

DATUM RL102

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE Z

AMBIENCE WAY DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
-2.203	409890.725	5775872.834	187°58'55"
0.000	409890.419	5775870.652	187°58'55"
74.592	409880.062	5775796.783	187°58'55"
75.862	409879.939	5775795.519	183°07'45"
79.310	409880.146	5775792.085	169°57'28"
82.759	409881.131	5775788.788	156°47'11"
86.207	409882.841	5775785.802	143°36'53"
89.655	409885.186	5775783.285	130°26'36"
92.103	409887.170	5775781.855	121°05'32"
100.000	409893.932	5775777.777	121°05'32"
151.612	409938.130	5775751.124	121°05'32"
152.000	409938.460	5775750.920	122°12'13"
156.000	409941.609	5775748.465	133°39'46"
156.347	409941.858	5775748.224	134°39'25"
200.000	409972.910	5775717.542	134°39'25"
282.918	410031.892	5775659.262	134°39'25"
284.000	410032.682	5775658.523	131°33'30"
287.931	410035.860	5775656.220	120°17'50"
300.000	410046.280	5775650.131	120°17'50"
320.904	410064.330	5775639.585	120°17'50"
324.000	410067.112	5775638.236	111°25'45"
324.761	410067.826	5775637.972	109°14'60"
400.000	410138.858	5775613.166	109°14'60"
500.000	410233.267	5775580.197	109°14'60"
519.291	410251.479	5775573.837	109°14'60"
520.588	410252.727	5775573.482	102°29'26"
523.529	410255.649	5775573.236	87°10'15"
526.471	410258.532	5775573.769	71°51'04"
529.412	410261.172	5775575.046	56°31'53"
531.969	410263.123	5775576.690	43°12'45"
600.000	410309.704	5775626.273	43°12'45"
675.114	410361.135	5775681.017	43°12'45"
679.167	410363.623	5775684.209	32°39'28"
683.333	410365.527	5775687.908	21°48'23"
689.500	410366.700	5775691.900	10°57'17"
691.667	410367.101	5775696.041	0°06'12"
695.833	410366.715	5775700.184	34°9'15'07"
700.000	410365.556	5775704.179	33°8'24'02"
704.167	410363.666	5775707.886	32°7'32'56"
708.333	410361.111	5775711.170	31°6'41'51"
712.500	410357.984	5775713.914	30°5'50'46"
716.667	410354.397	5775716.020	29°4'59'40"
720.833	410350.477	5775717.414	28°4'08'35"
723.198	410348.157	5775717.868	27°5'59'04"
800.000	410272.099	5775728.536	27°5'59'04"
900.000	410173.069	5775742.426	27°5'59'04"
1000.000	410074.038	5775756.317	27°5'59'04"
1082.481	409992.357	5775767.774	27°5'59'04"
1082.759	409992.082	5775767.810	27°5'59'04"
1086.207	409988.641	5775767.830	26°3'45'05"
1089.655	409985.286	5775767.066	25°0'34'48"
1093.103	409982.194	5775765.557	23°7'24'31"
1096.442	409979.604	5775763.462	22°4'39'25"
1100.000	409977.103	5775760.931	22°4'39'25"
1133.811	409953.338	5775736.880	22°4'39'25"

HALCYON STREET DESIGN LINE

CHAINAGE	EASTING	NORTHING	BEARING
-0.000	410250.457	5775731.571	7°58'55"
89.814	410262.928	5775820.516	7°58'55"

ALIGNMENT I

POINT NO	EASTING	NORTHING	RL						
I1	410238.790	5775736.591	102.168						
I2	410248.840	5775744.168	102.037						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
I1 - I2	90.003	8.900	13.980	2.607	1.929	3.406	2.887	3.495	102.103

ALIGNMENT J

POINT NO	EASTING	NORTHING	RL						
J1	410255.475	5775743.237	102.037						
J2	410263.053	5775733.187	102.027						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
J1 - J2	89.997	8.900	13.980	2.607	1.929	3.406	2.887	3.495	102.062

ALIGNMENT Y

POINT NO	EASTING	NORTHING	RL						
Y1	410257.379	5775805.067	102.393						
Y2	410246.749	5775819.179	102.741						
CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Y2 - Y3	89.276	12.500	19.477	3.606	2.669	4.747	4.036	4.869	102.557

ALIGNMENT Z

POINT NO	EASTING	NORTHING	RL
Z1	410278.136	5775814.742	102.394
Z2	410264.009	5775804.100	102.393

CURVE NO	I	RADIUS	ARC	A	B	X	Y	L	MID POINT RL
Z1 - Z2	89.696	12.500	19.569	3.638	2.693	4.768	4.047	4.892	102.442

NOTES

1. CHAINAGES REFER TO LIP OF KERB/EDGE OF CONCRETE.

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Date
August 2024

Scale @ A1 H1:200 V1:20
0 2 4 8
0 0.2 0.4 0.8
Coords: MGA Levels: AHD

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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
LIP PROFILES & SETOUT INFORMATION

Drawing No. 22031-02-04
Sheet No. 04 of 22

Rev A

INITIAL ISSUE



VERTICAL GEOMETRY	100.358
HORIZONTAL GEOMETRY	99.453
DATUM RL97	500.000
DESIGN CENTRELINE	
EXISTING SURFACE	
CHAINAGE	

	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
A INITIAL ISSUE	19.08.25	AC/AC	NG
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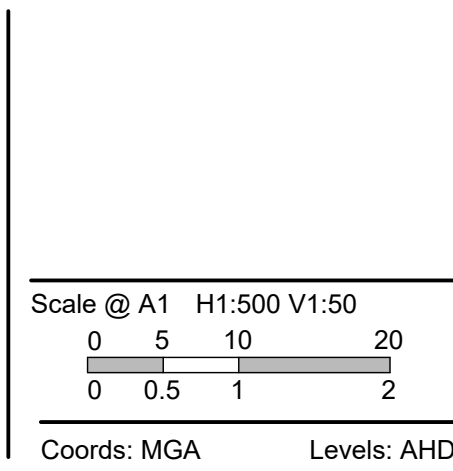
Designed
A.Cantwell

Drawn
A.Cantwell

Checked
N.Green

Authorised
L.Miller

Date
August 2024



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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
LONGITUDINAL SECTIONS - 1

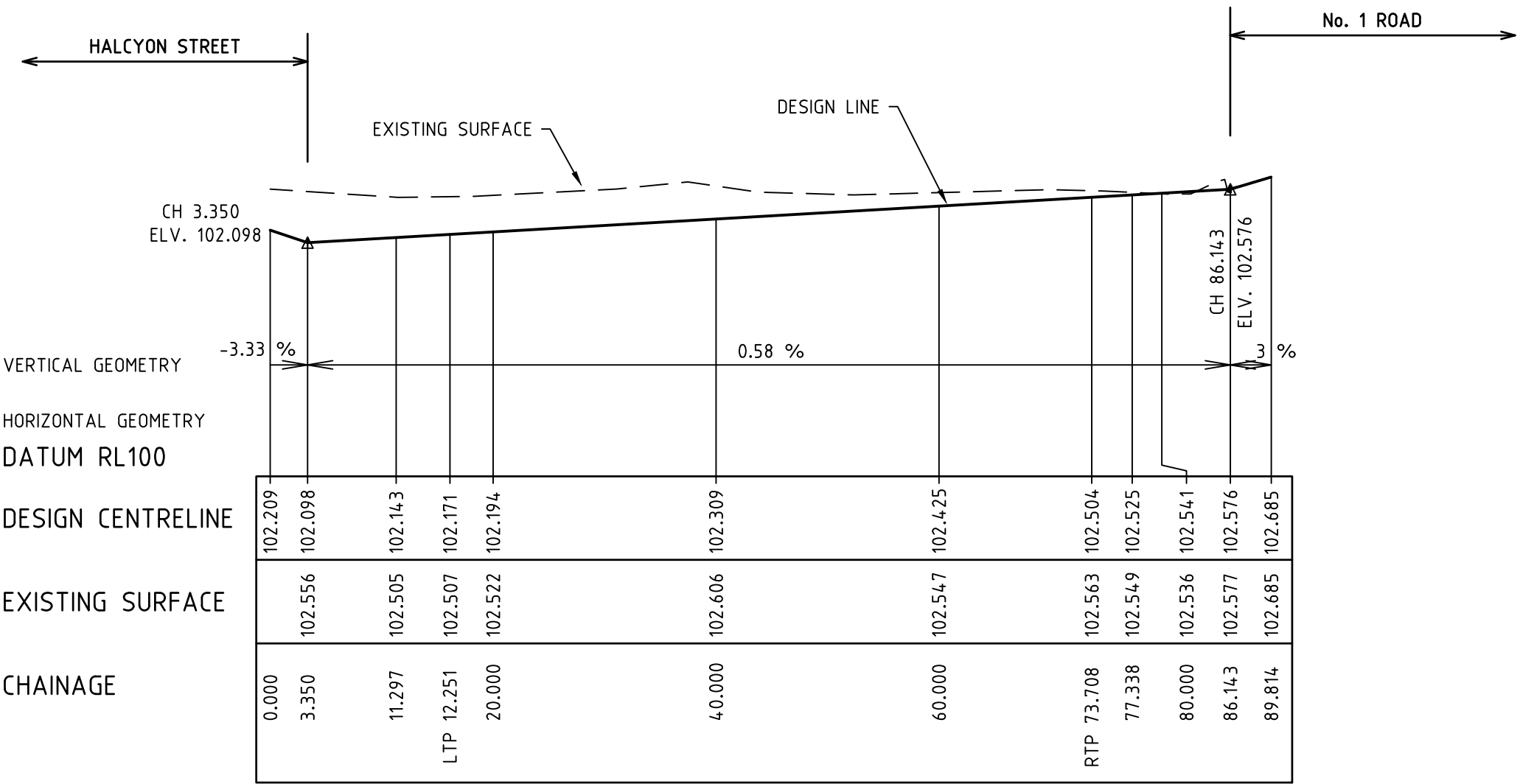
Drawing No. 22031-02-05
Sheet No. 05 of 22

INITIAL ISSUE

Rev A



LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE



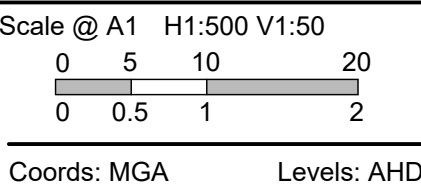
HALCYON STREET LONGITUDINAL SECTION

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Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024



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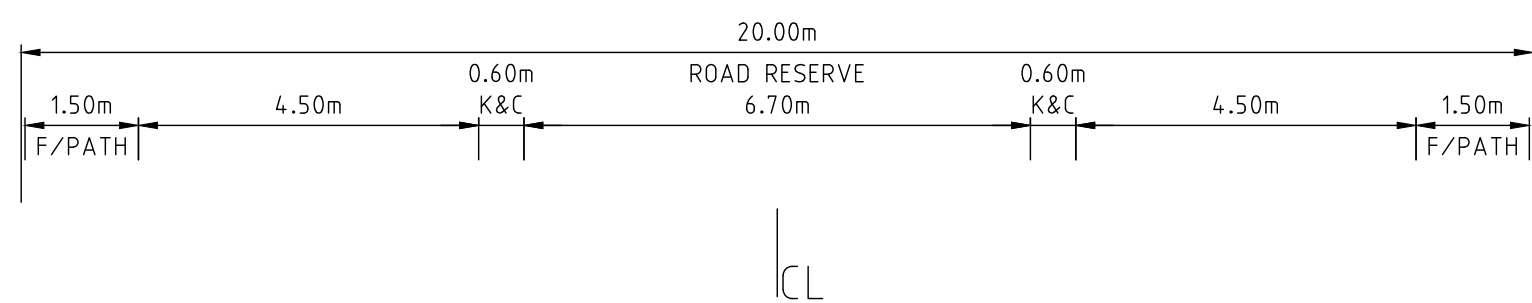
BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
LONGITUDINAL SECTIONS - 2

Drawing No. 22031-02-06
Sheet No. 06 of 22

Rev A

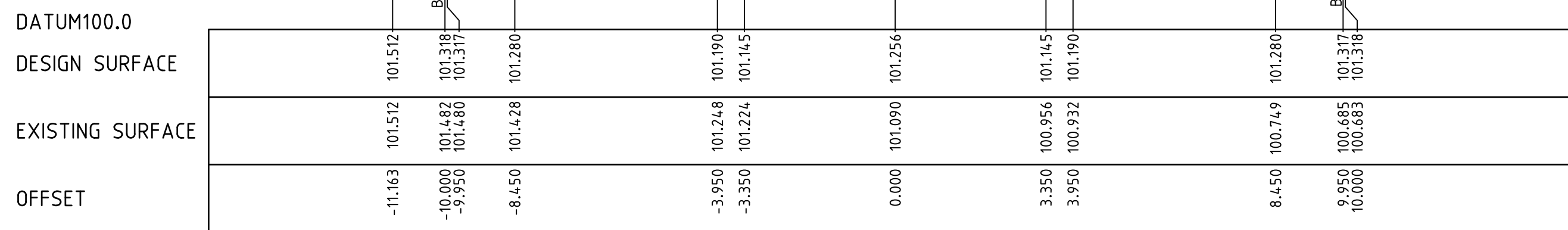
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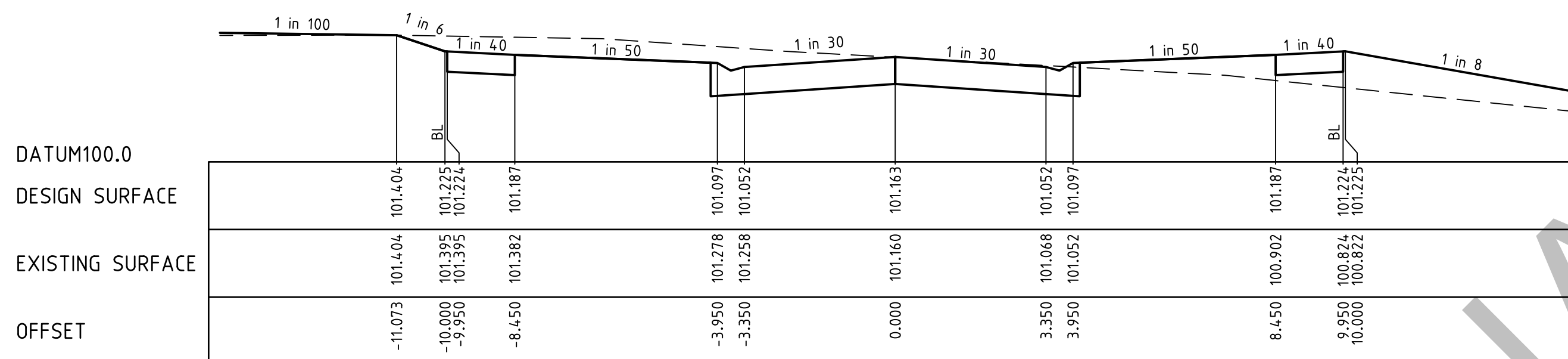


STRUCTURAL FILL REQUIRED UNDER
PAVEMENT AND FOOTPATHS WHERE
CONSTRUCTED ABOVE EXISTING SURFACE

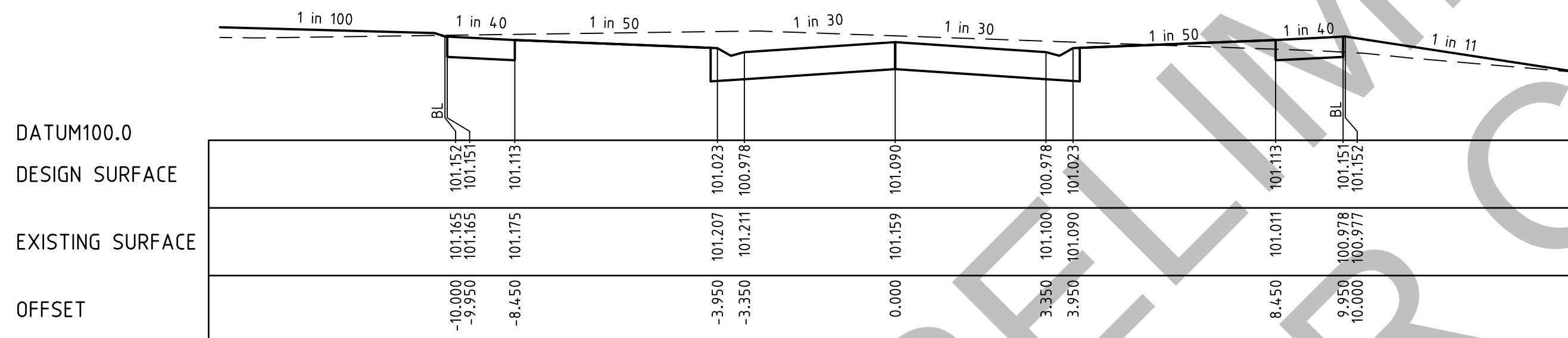
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---	DESIGN LINE
---	FUTURE DESIGN LINE



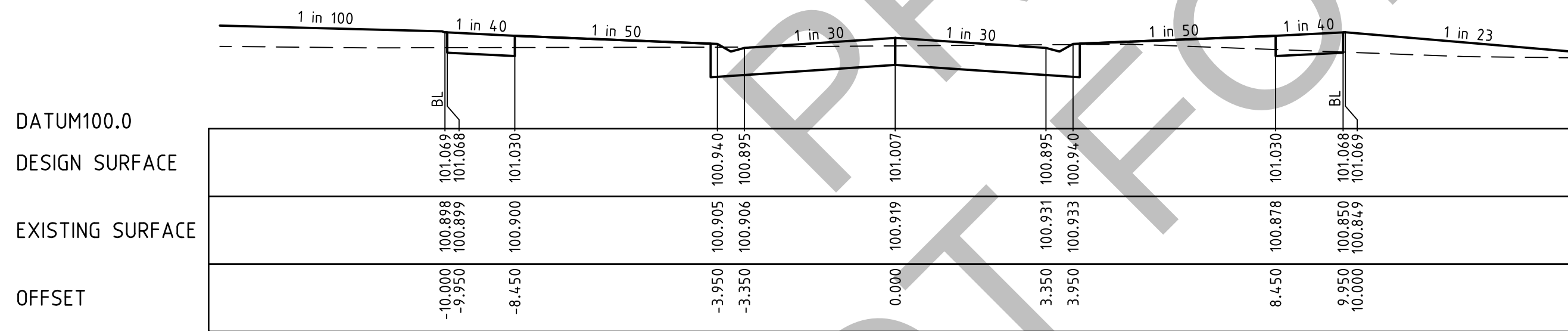
CH 656.162



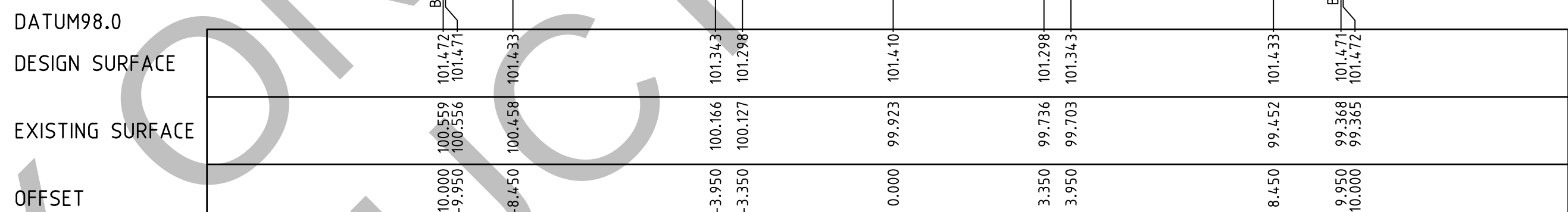
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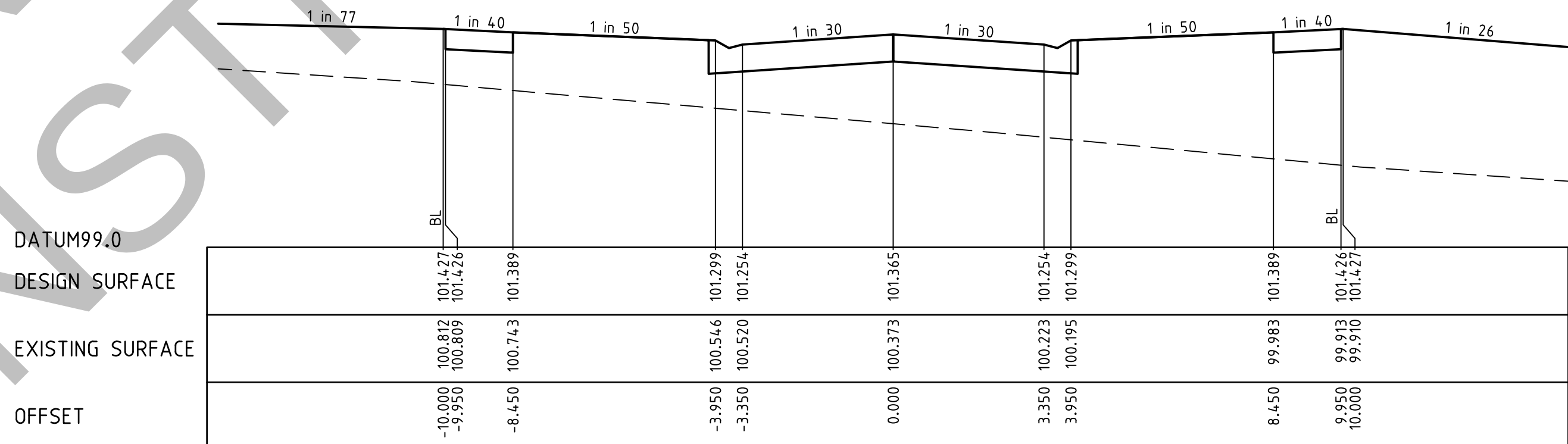
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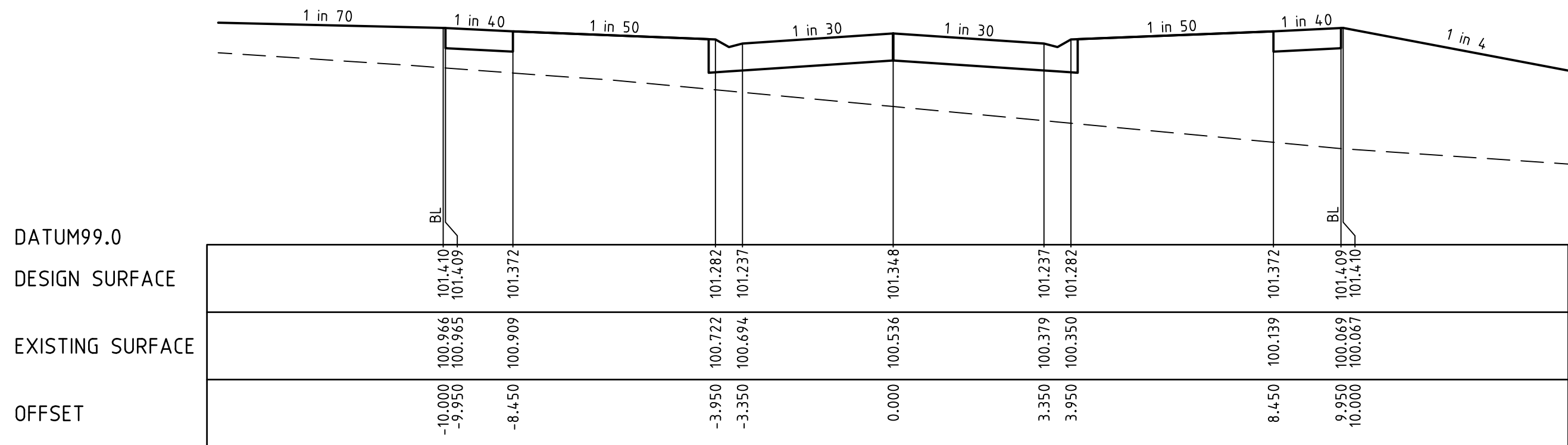
CH 612.803 (LOW)



CH 682.882



TP CH 675.114



CH 672.162

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Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024

Scale @ A1 H1:100 V1:50
0 1 2 4
0 0.5 1 2
Coords: MGA Levels: AHD

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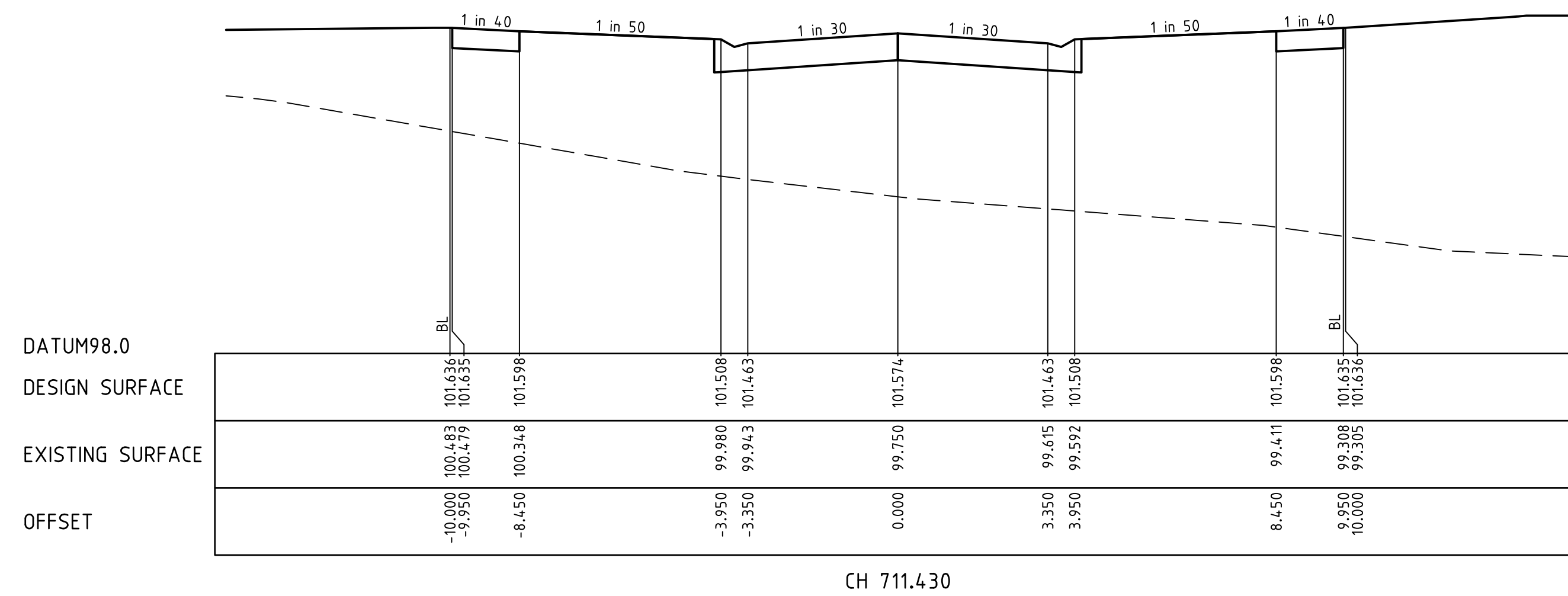
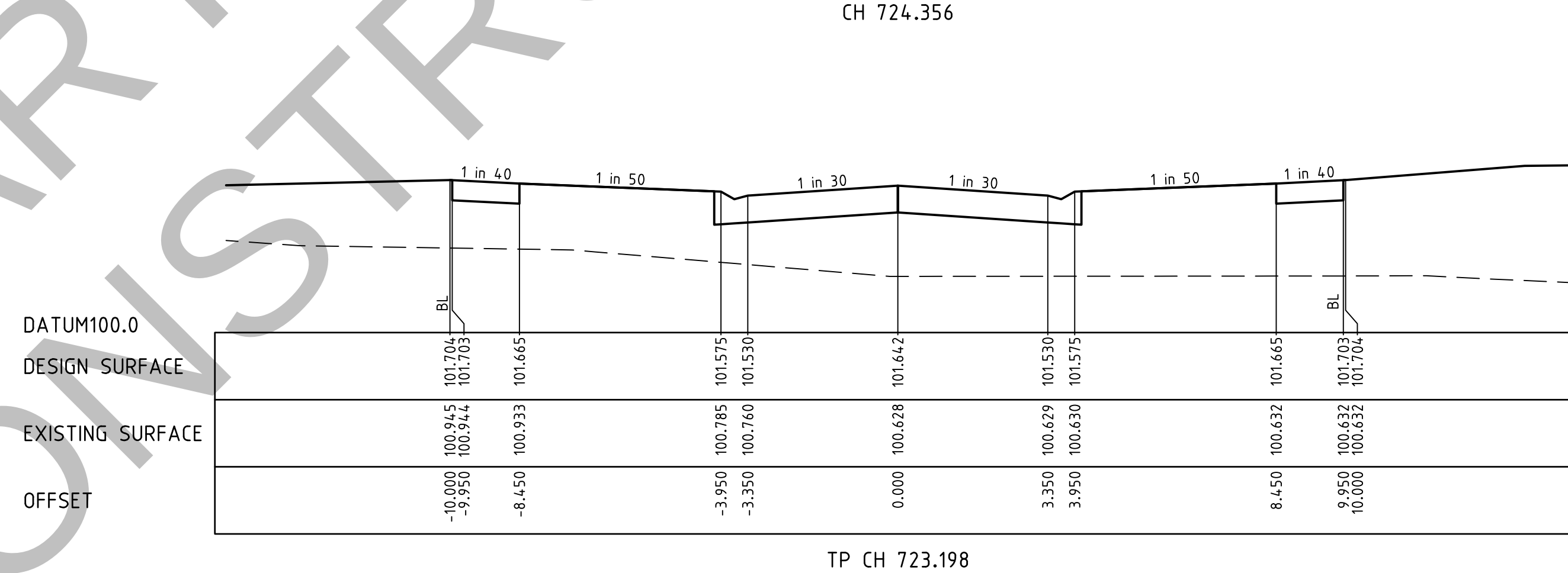
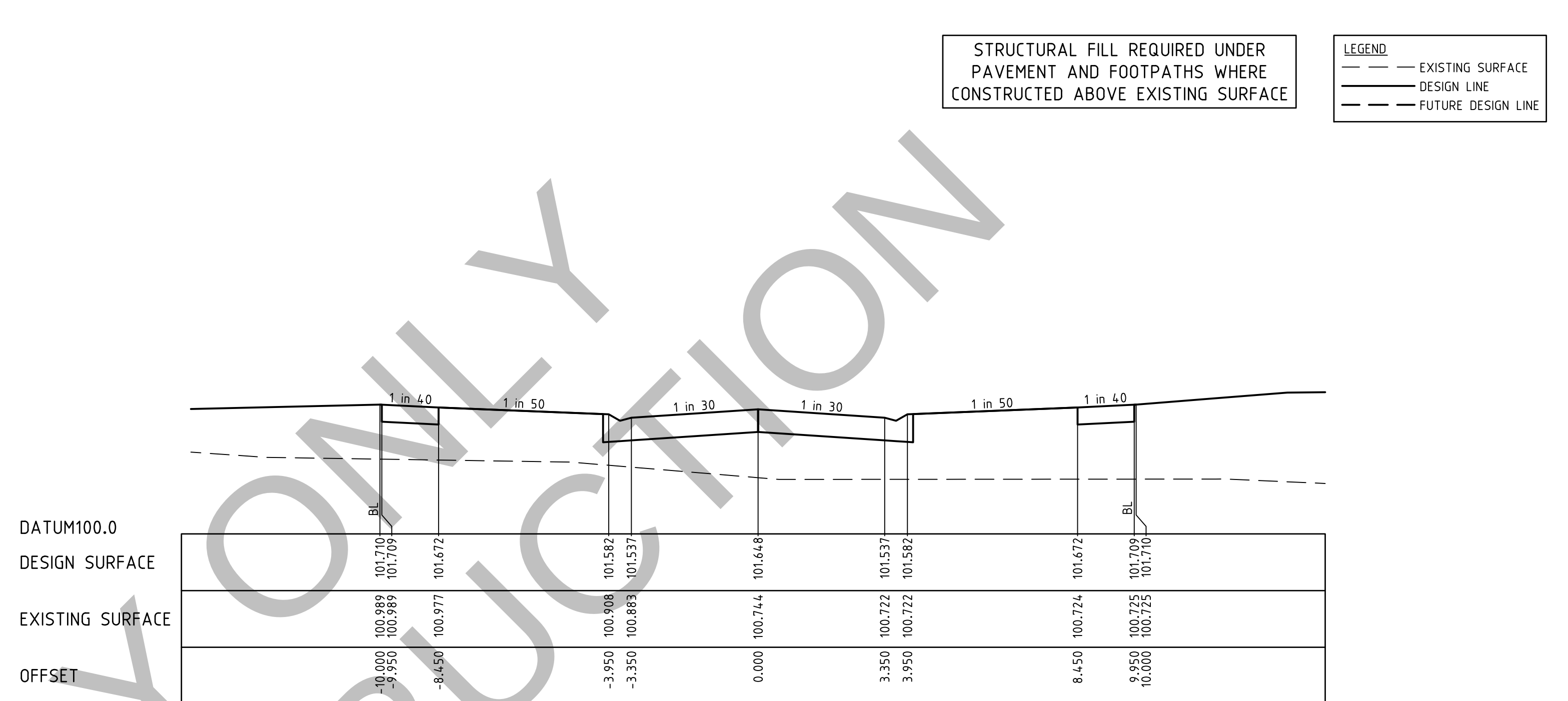
BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
CROSS SECTIONS - AMBIENCE WAY
CH612.803 - CH682.882

Drawing No. 22031-02-07

Sheet No. 07 of 22

Rev A

INITIAL ISSUE



The logo for Bloomfield Estate is a circular emblem featuring a stylized, symmetrical plant or tree design. Below the emblem, the word "BLOOMFIELD" is written in a large, serif, all-caps font, and "ESTATE" is written in a smaller, sans-serif, all-caps font below it.

Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Scale @ A1 H1:100 V1:50

0 1 2 4

0 0.5 1 2

Coords: MGA Levels: AHD

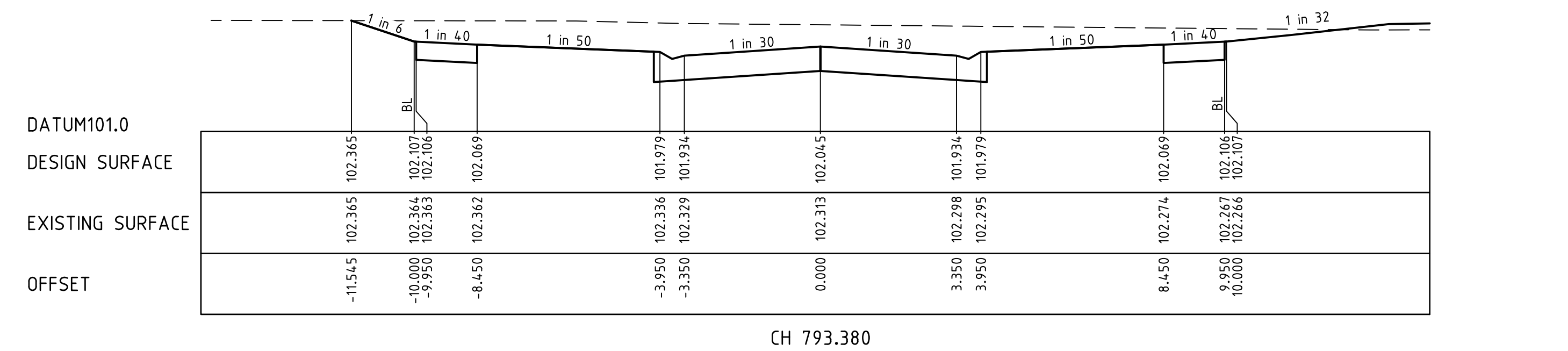
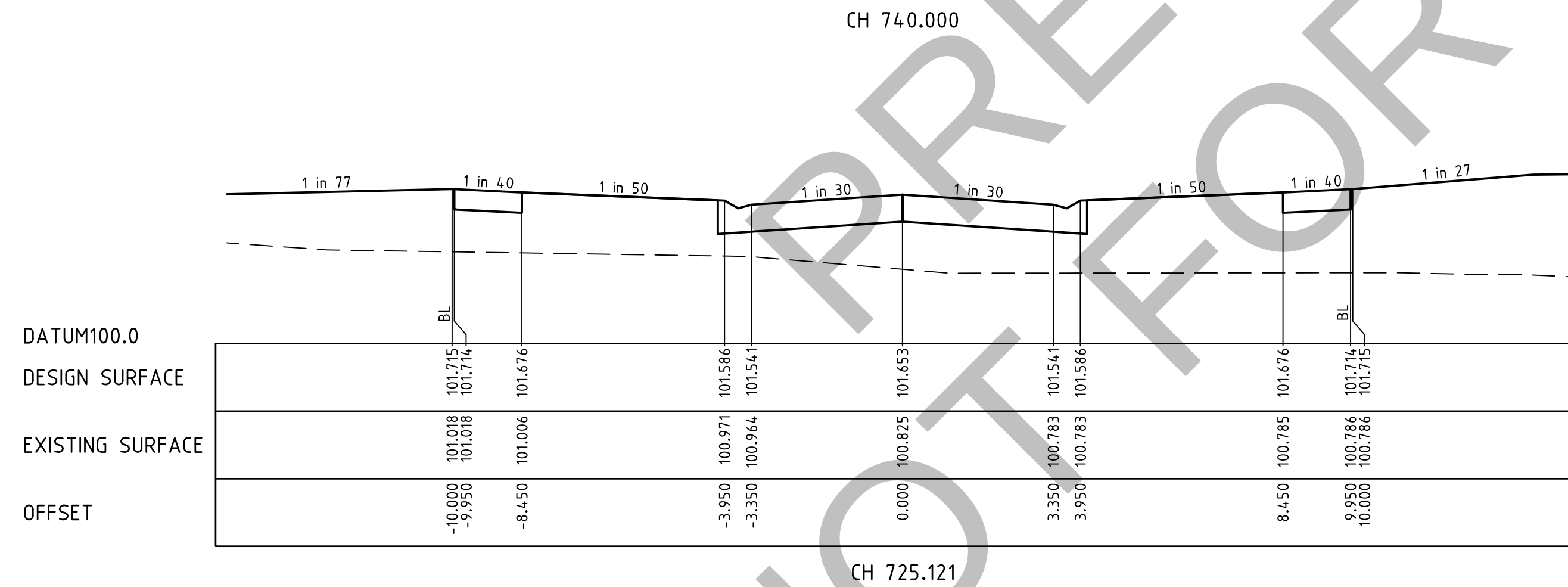


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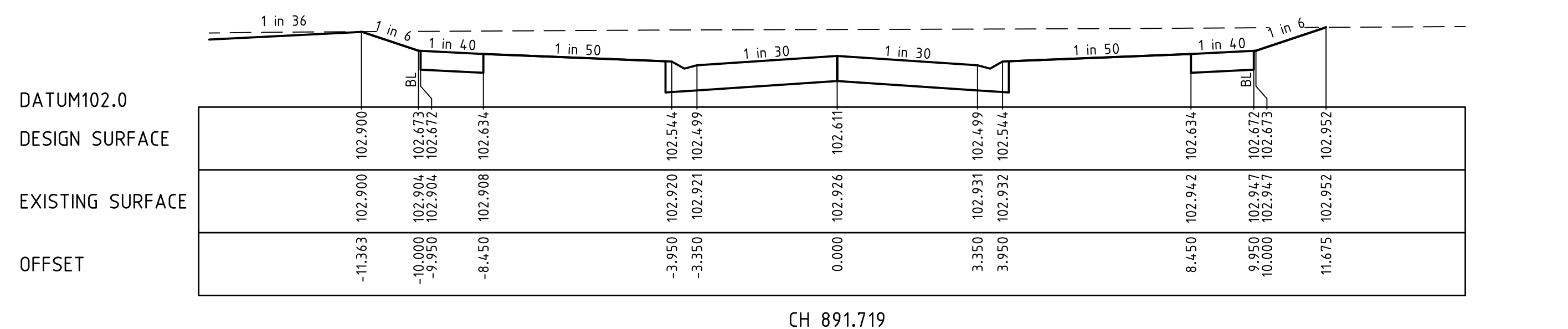
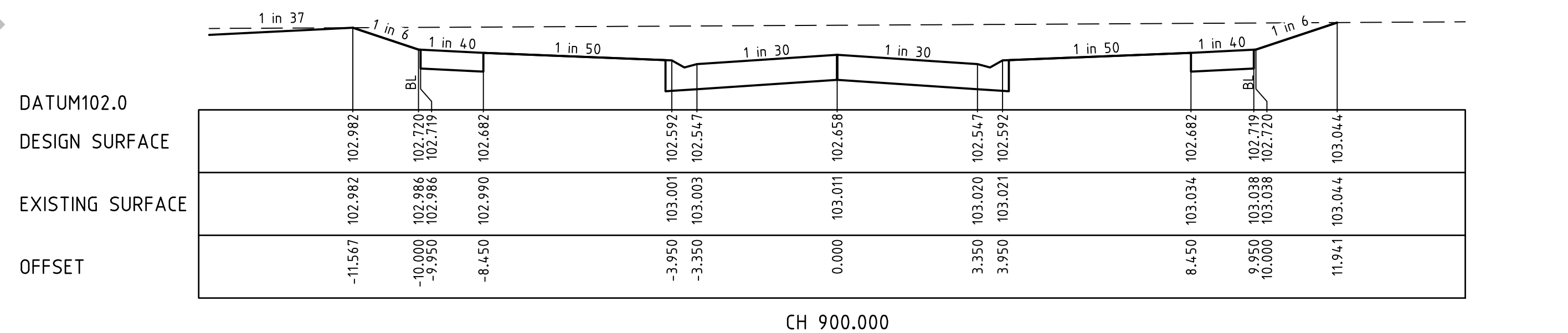
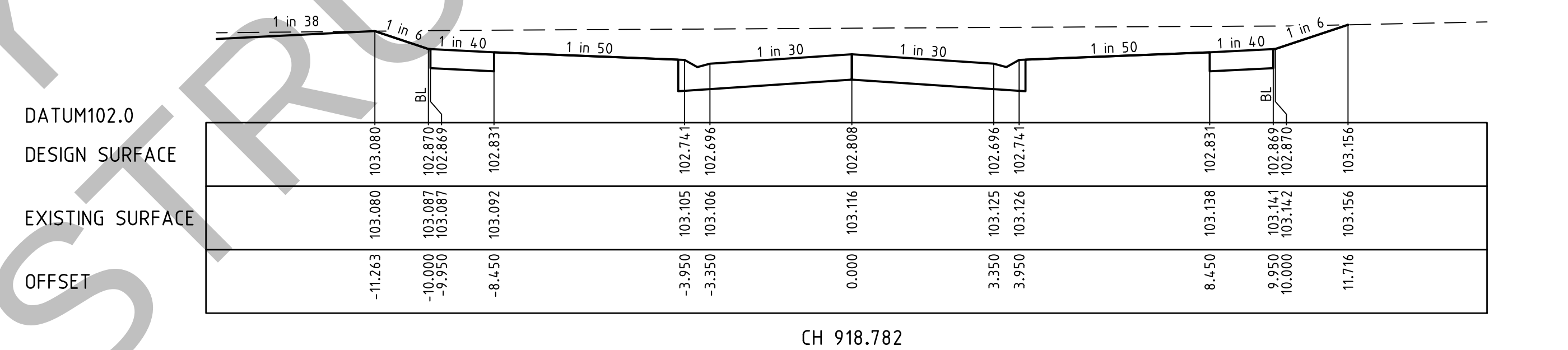
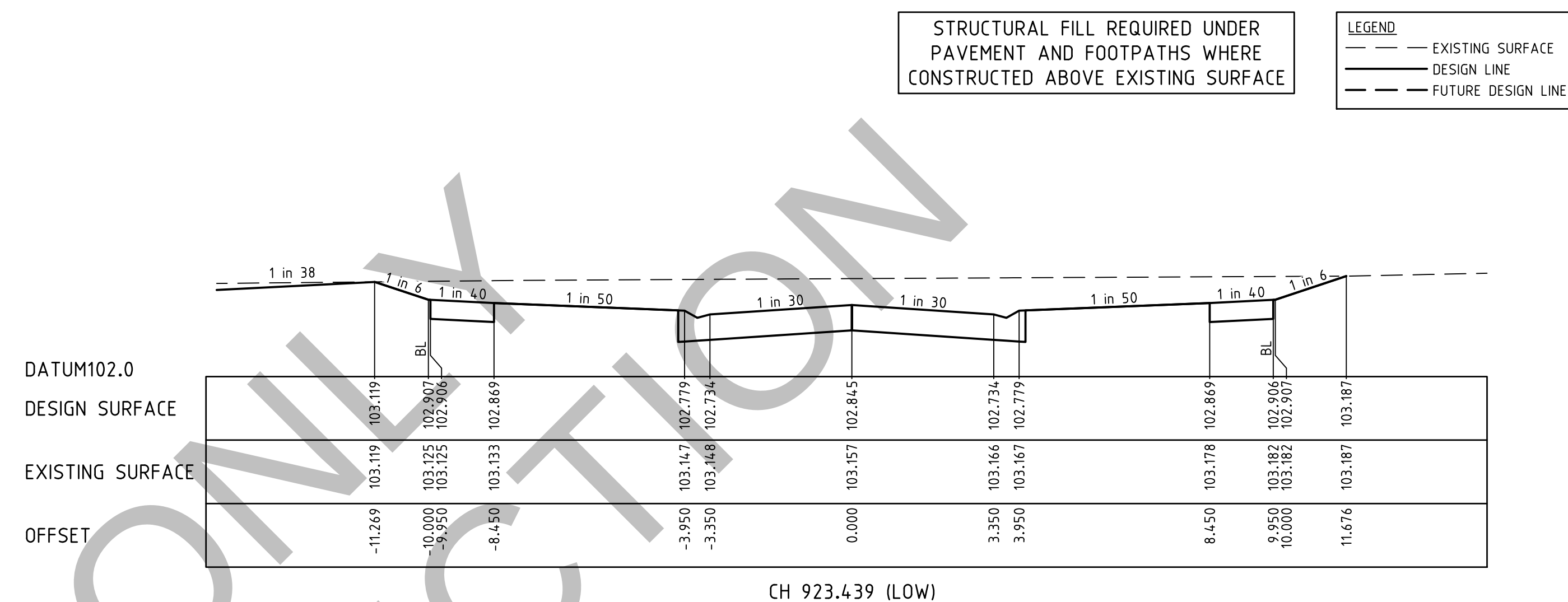
BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
CROSS SECTIONS - AMBIENCE WAY
CH 725.121 - CH 834.105

Drawing No. 22031-02-09

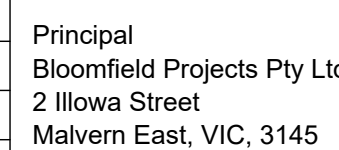
Sheet No. 09 of 22

Rev A

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REVISION		DATE	DES/DFT	APPD



Designed
A.Cantwell

Drawn
A.Cantwell

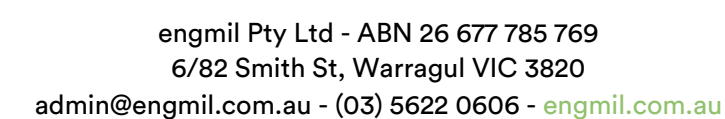
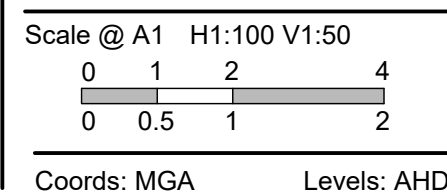
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N.Green

Authorised
L.Miller

Date
August 2024

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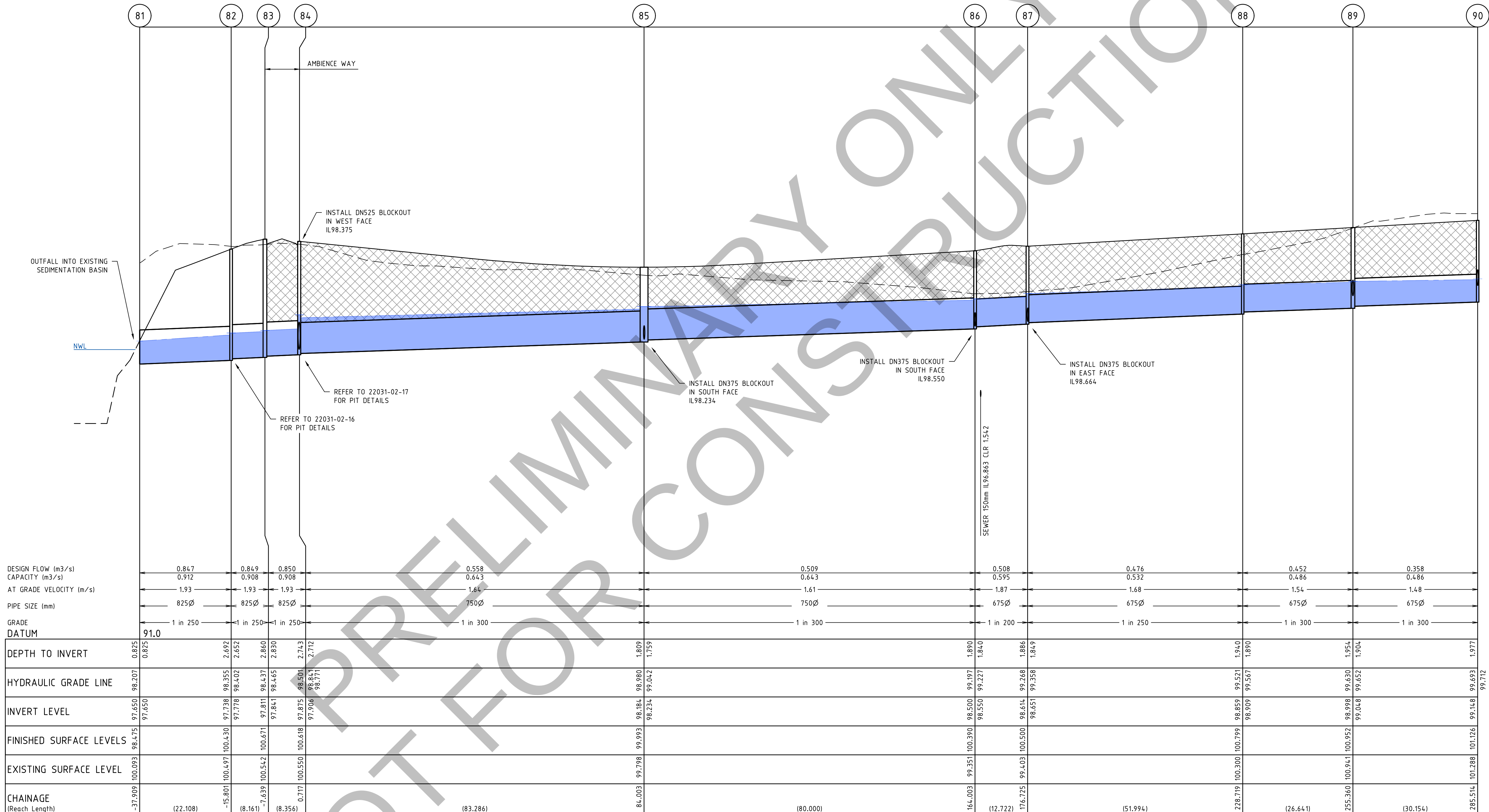
Rev A

Sheet No. 10 of 22

INITIAL ISSUE



LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CLASS 2 CRB
	CLASS 3 CRB



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REVISION	DATE	DES/DT	APPD
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Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024

Scale @ A1 H1:500 V1:50
0 5 10 20
0 0.5 1 2
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
DRAINAGE LONGITUDINAL SECTION - 1

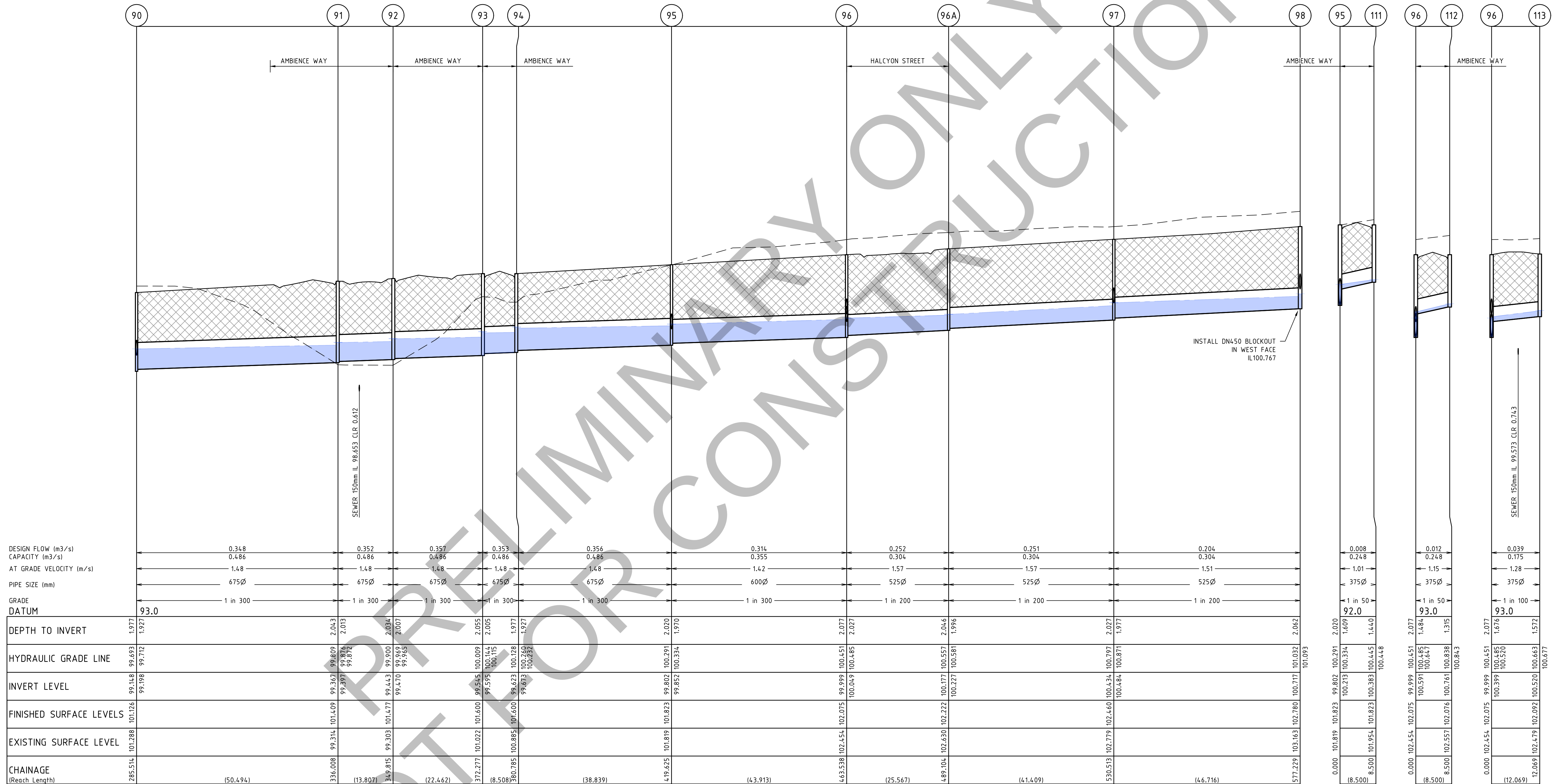
Drawing No. 22031-02-12
Sheet No. 12 of 22

Rev A

INITIAL ISSUE



LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CLASS 2 CRB
	CLASS 3 CRB



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REVISION	DATE	DES/DTF	APPD
A	19.08.25	AC/AC	NG
Principal			
Bloomfield Projects Pty Ltd			
2 Illowa Street			
Malvern East, VIC, 3145			



Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024

Scale @ A1 H1:500 V1:50
0 5 10 20
0 0.5 1 2
Coords: MGA Levels: AHD

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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
DRAINAGE LONGITUDINAL SECTION - 2

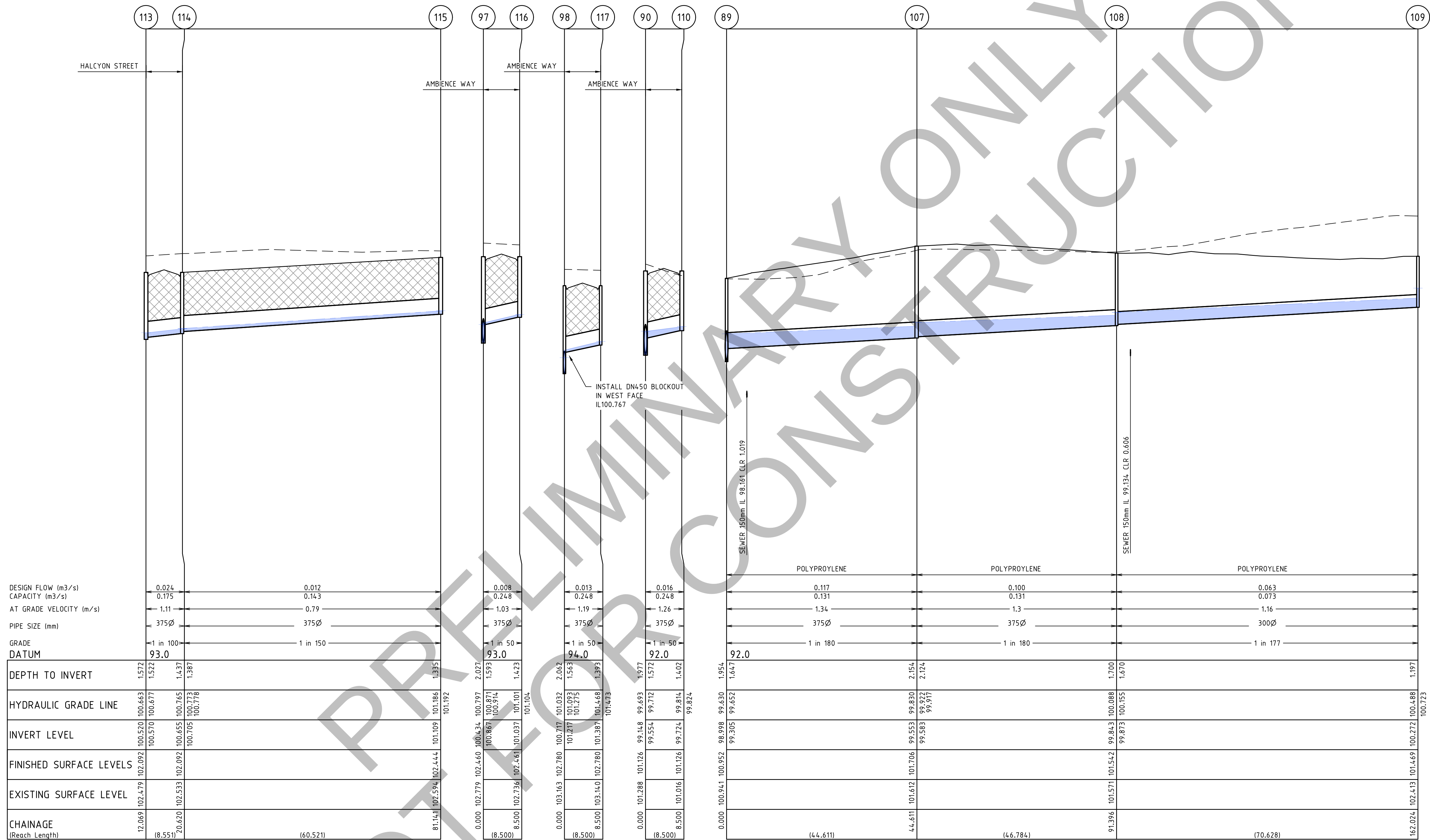
Drawing No. 22031-02-13
Sheet No. 13 of 22

Rev A

INITIAL ISSUE



LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CLASS 2 CRB
	CLASS 3 CRB



DESIGN FLOW (m3/s)	0.024	0.012	0.008	0.013	0.016
CAPACITY (m3/s)	0.175	0.143	0.248	0.248	0.248
AT GRADE VELOCITY (m/s)	1.11	0.79	1.03	1.19	1.26
PIPE SIZE (mm)	375Ø	375Ø	375Ø	375Ø	375Ø
GRADE DATUM	1 in 100	1 in 150	1 in 50	1 in 50	1 in 50
DEPTH TO INVERT	1.572	1.572	2.027	1.563	1.572
HYDRAULIC GRADE LINE	100.570	100.677	100.871	100.914	100.914
INVERT LEVEL	100.570	100.655	100.705	100.773	100.778
FINISHED SURFACE LEVELS	102.092	102.092	102.092	102.092	102.092
EXISTING SURFACE LEVEL	102.479	102.533	102.533	102.533	102.533
CHAINAGE (Reach Length)	12.669	20.620	8.500	8.500	8.500

POLYPROPYLENE	POLYPROPYLENE	POLYPROPYLENE
0.117	0.100	0.063
0.131	0.131	0.073
1.34	1.3	1.16
375Ø	375Ø	300Ø
1 in 180	1 in 180	1 in 177
92.0	92.0	92.0
99.305	99.652	99.652
99.553	99.830	99.830
99.583	99.972	99.972
99.843	100.088	100.088
99.873	100.155	100.155
91.396	101.571	101.571
162.024	102.413	102.413
(44.611)	(46.784)	(70.628)

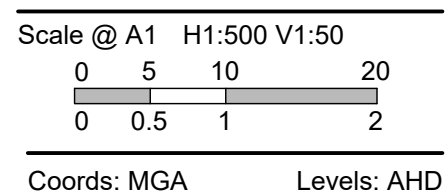
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A INITIAL ISSUE	19.08.25	AC/AC	NG



Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

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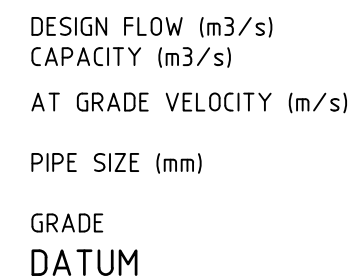
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
DRAINAGE LONGITUDINAL SECTION - 3

Drawing No. 22031-02-14
Sheet No. 14 of 22

Rev A

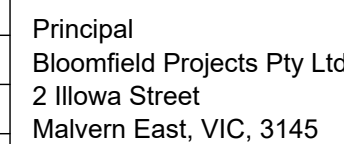
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PIT SCHEDULE											
PIT		INTERNAL		INLET		OUTLET		PIT			
NAME	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	SETOUT RL	DEPTH	STD DWG	REMARKS
81	ENDWALL			825	97.65			98.475	0.825		OUTFALL INTO EXISTING SEDIMENTATION BASIN
82	JUNCTION PIT	900	1500	825	97.778	825	97.738	100.43	2.692	IDM SD 420	REFER TO DETAIL ON SHEET 22031-02-16
83	SIDE ENTRY PIT	1200	600	825	97.841	825	97.811	100.671	2.86	IDM SD 440	WALL THICKNESS TO BE 175mm AS PER IDM SD 415
84	SIDE ENTRY PIT	1200	1050	825	97.906	825	97.875	100.618	2.743	IDM SD 440	REFER TO DETAIL ON SHEET 22031-02-17 INSTALL DN525 BLOCKOUT IN WEST FACE IL98.375
85	DOUBLE SIDE ENTRY PIT	1050	1900	750	98.234	750	98.184	99.993	1.809	IDM SD 450	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410 INSTALL DN375 BLOCKOUT IN SOUTH FACE IL98.234
86	SIDE ENTRY PIT	900	1050	675	98.65	750	98.5	100.39	1.89	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410 INSTALL DN375 BLOCKOUT IN SOUTH FACE IL98.550
87	SIDE ENTRY PIT	900	1050	675	98.651	675	98.614	100.5	1.886	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410 INSTALL DN375 BLOCKOUT IN EAST FACE IL98.664
88	SIDE ENTRY PIT	900	900	675	98.909	675	98.859	100.799	1.94	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410 INSTALL DN375 BLOCKOUT IN EAST FACE IL98.909
89	JUNCTION PIT	900	900	675	99.048	675	98.998	100.952	1.954	IDM SD 420	
				375	99.305						PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
90	SIDE ENTRY PIT	900	900	675	99.198	675	99.148	101.126	1.977	IDM SD 440	
				375	99.554						PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
91	JUNCTION PIT	1200	900	675	99.397	675	99.367	101.409	2.043	IDM SD 420	REFER TO DETAIL ON SHEET 22031-02-17
92	JUNCTION PIT	900	900	675	99.47	675	99.443	101.477	2.034	IDM SD 420	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
93	SIDE ENTRY PIT	900	900	675	99.595	675	99.545	101.6	2.055	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
94	SIDE ENTRY PIT	900	900	675	99.673	675	99.623	101.6	1.977	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
				600	99.852	675	99.802	101.823	2.02	IDM SD 440	
95	SIDE ENTRY PIT	900	900	375	100.213						PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
				525	100.049	600	99.999	102.075	2.077	IDM SD 420	
				375	100.591						
96	JUNCTION PIT	900	900	375	100.399					IDM SD 420	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
96A	SIDE ENTRY PIT	900	900	525	100.227	525	100.177	102.222	2.046	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
				525	100.484	525	100.434	102.46	2.027	IDM SD 440	
97	SIDE ENTRY PIT	900	900	375	100.867					IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410
						525	100.717	102.78	2.062	IDM SD 440	PIT TO BE HAUNCHED IN LINE WITH IDM SD 410 INSTALL DN450 BLOCKOUT IN WEST FACE IL100.767
98	SIDE ENTRY PIT	900	900	375	101.217					IDM SD 420	
107	JUNCTION PIT	900	600	375	99.583	375	99.553	101.706	2.154	IDM SD 420	
108	JUNCTION PIT	900	600	300	99.873	375	99.843	101.542	1.7	IDM SD 420	
109	JUNCTION PIT	900	600			300	100.272	101.469	1.197	IDM SD 420	
110	SIDE ENTRY PIT	900	600			375	99.724	101.126	1.402	IDM SD 440	
111	SIDE ENTRY PIT	900	600			375	100.383	101.823	1.44	IDM SD 440	
112	SIDE ENTRY PIT	900	600			375	100.761	102.076	1.315	IDM SD 440	
113	SIDE ENTRY PIT	900	600	375	100.57	375	100.52	102.092	1.572	IDM SD 440	
114	SIDE ENTRY PIT	900	600	375	100.705	375	100.655	102.092	1.437	IDM SD 440	
115	SIDE ENTRY PIT	900	600			375	101.109	102.444	1.335	IDM SD 440	
116	SIDE ENTRY PIT	900	600			375	101.037	102.461	1.423	IDM SD 440	
117	SIDE ENTRY PIT	900	600			375	101.387	102.78	1.393	IDM SD 440	
X1	ENDWALL			750x300	96.75			97.05	0.300	VR SD 1831	
X2	JUNCTION PIT	1000	1000	750x300	96.762	750x300	96.762	97.2	0.438	VR SD 1131	HAUNCHED IN LINE WITH VR SD 1021
X3	JUNCTION PIT	1000	1000	600x300	96.79	750x300	96.79	97.501	0.711	VR SD 1131	HAUNCHED IN LINE WITH VR SD 1021
X4	ENDWALL					600x300	96.98	97.28	0.3	VR SD 1991	DRIVEABLE ENDWALL IN LINE WITH VR SD 1991

LEGEND

---	EXISTING SURFACE
—	DESIGN SURFACE
—	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
—	HYDRAULIC GRADE LINE
	CLASS 2 CRB
	CLASS 3 CRB



Designed
A.Cantwell

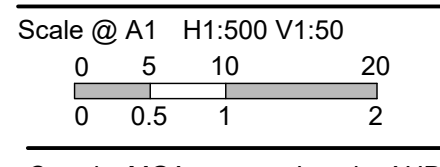
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A.Cantwell

Checked
N.Green

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LMiller

Date
August 2024

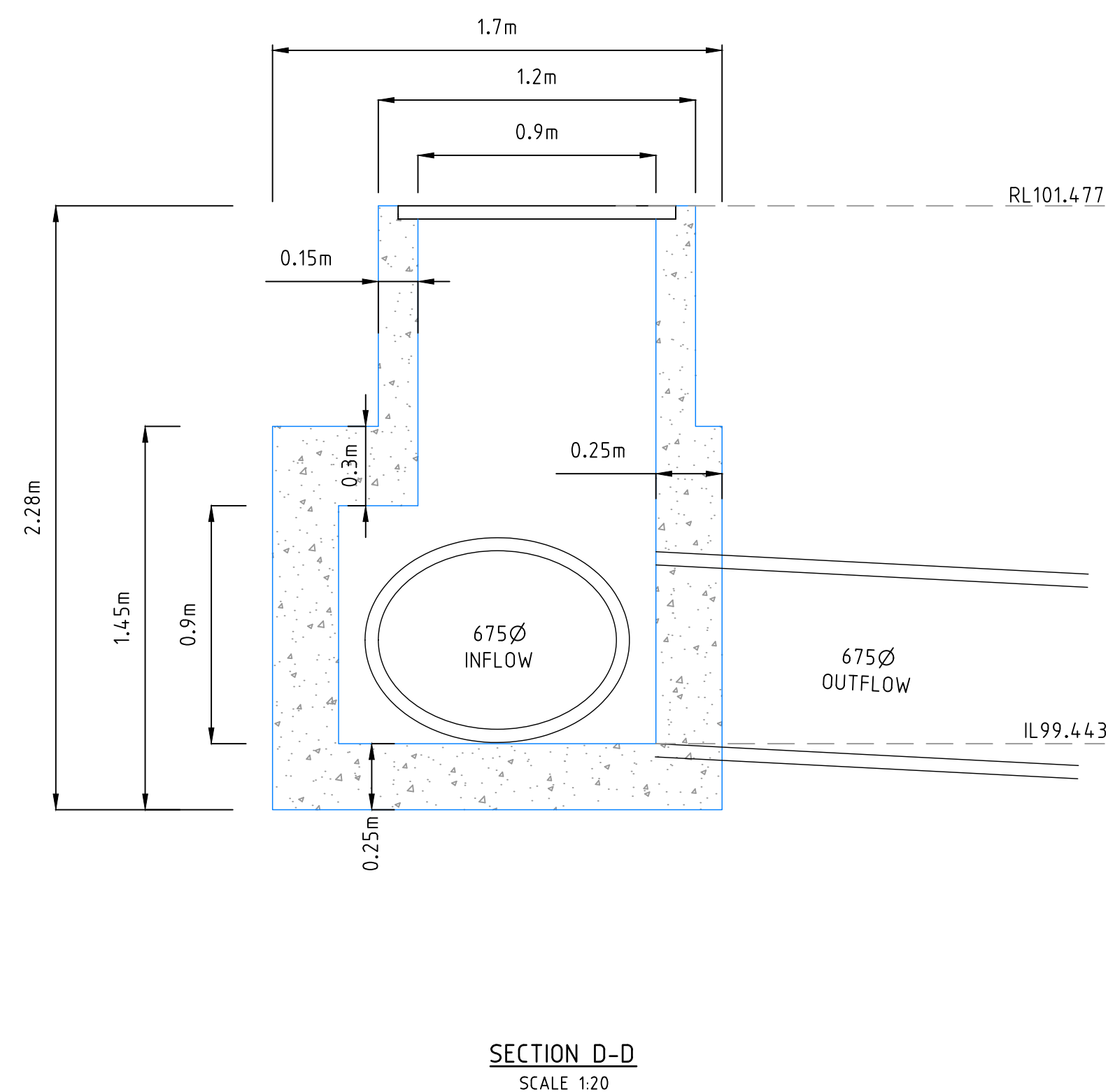
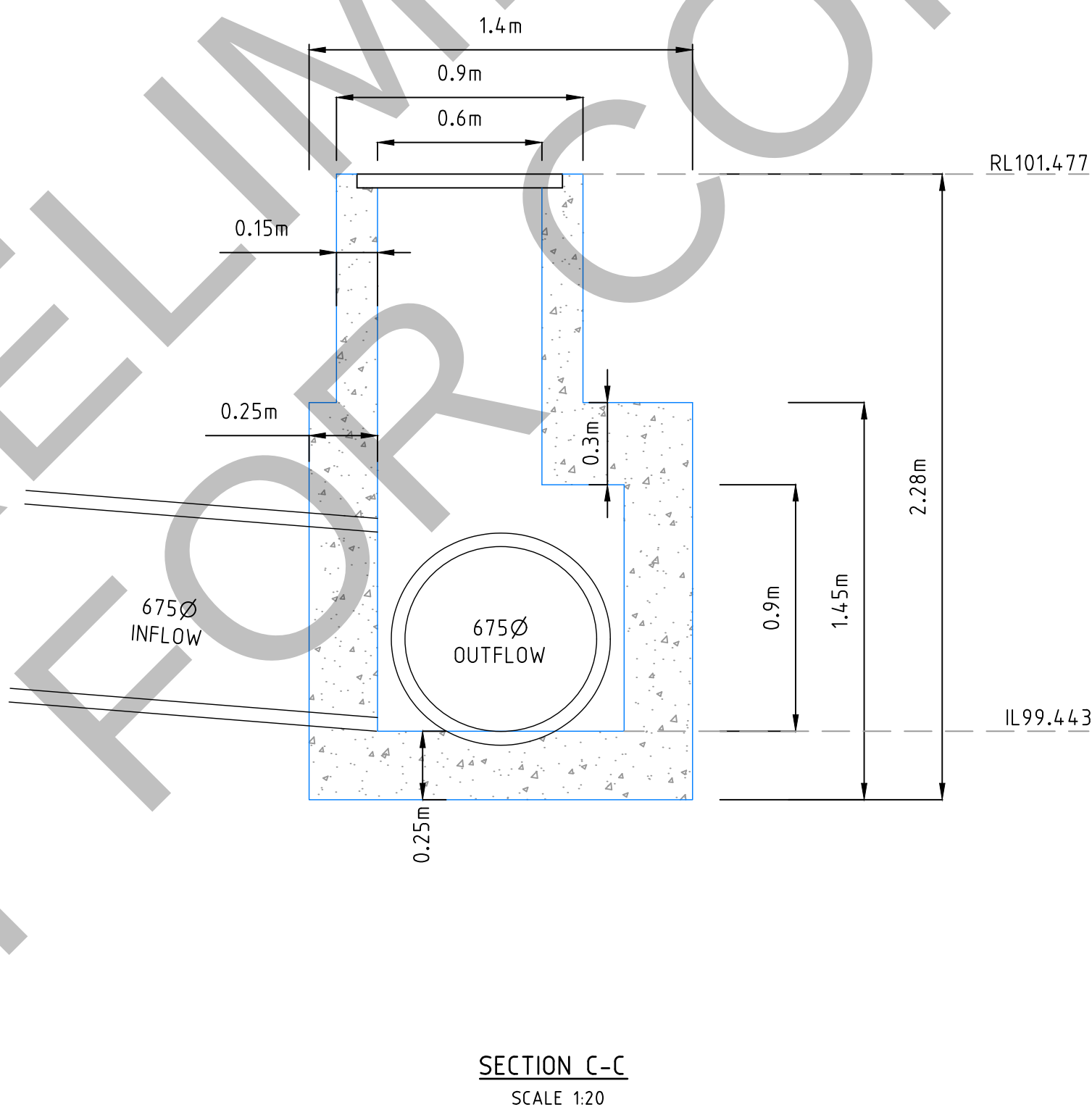
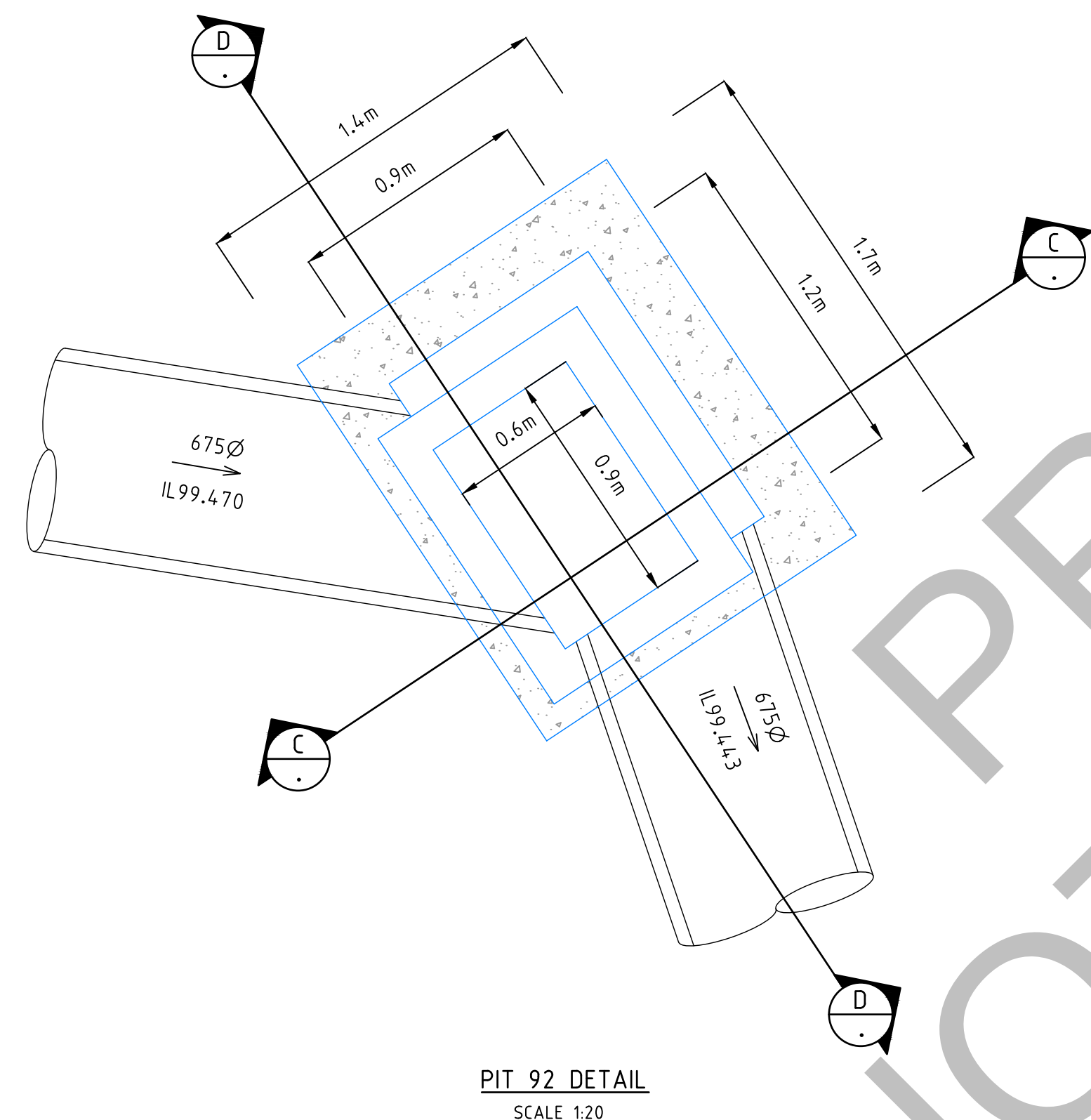
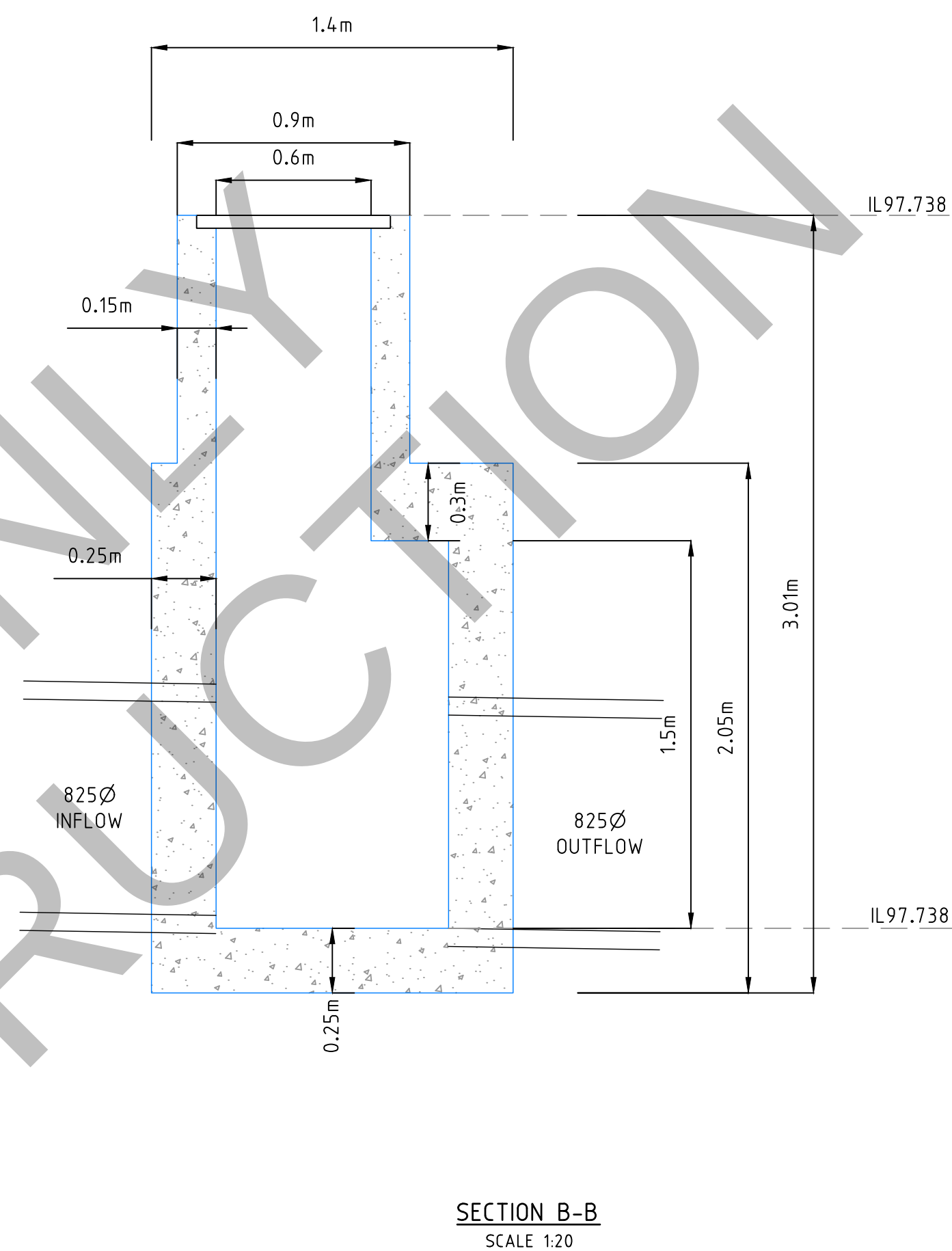
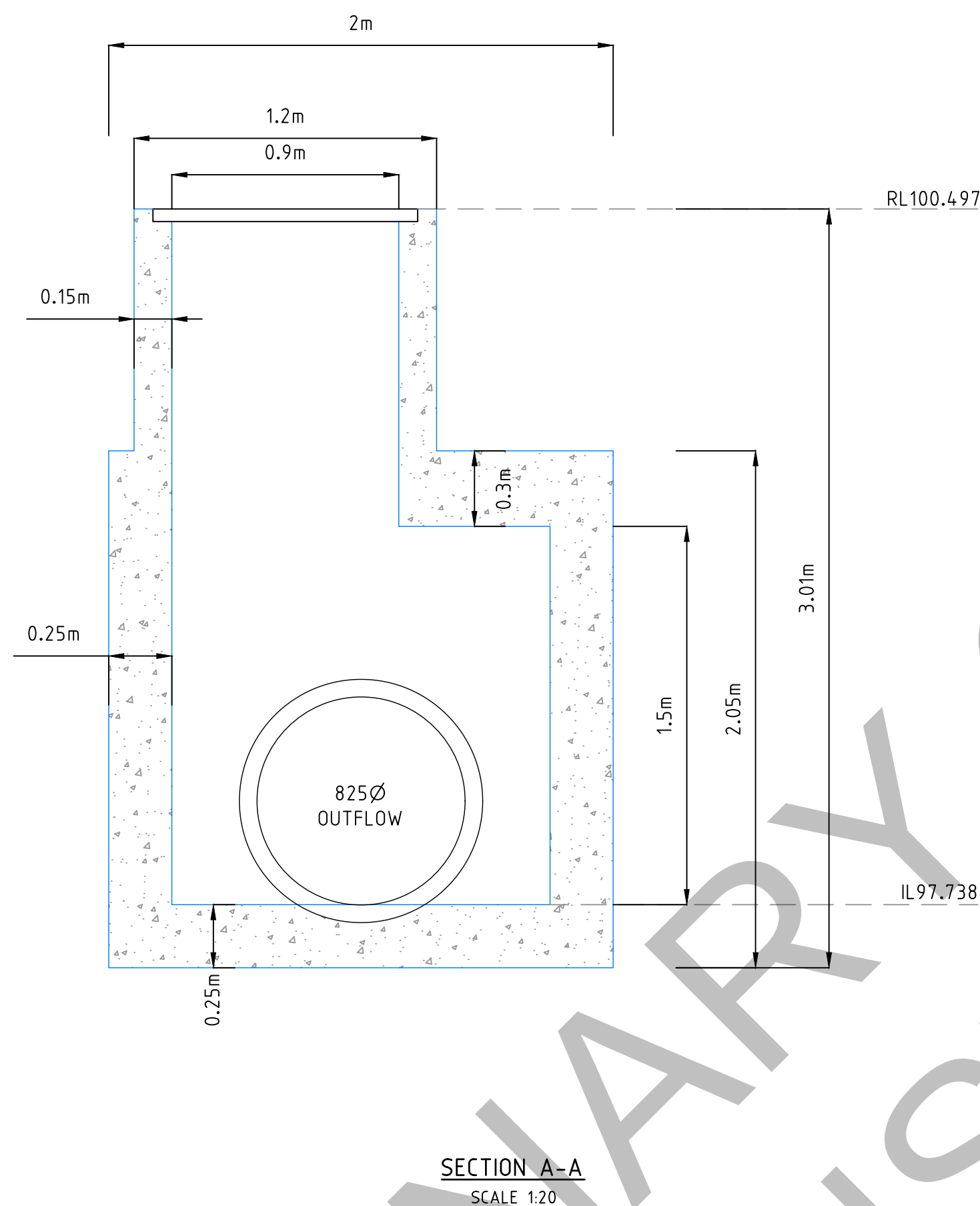
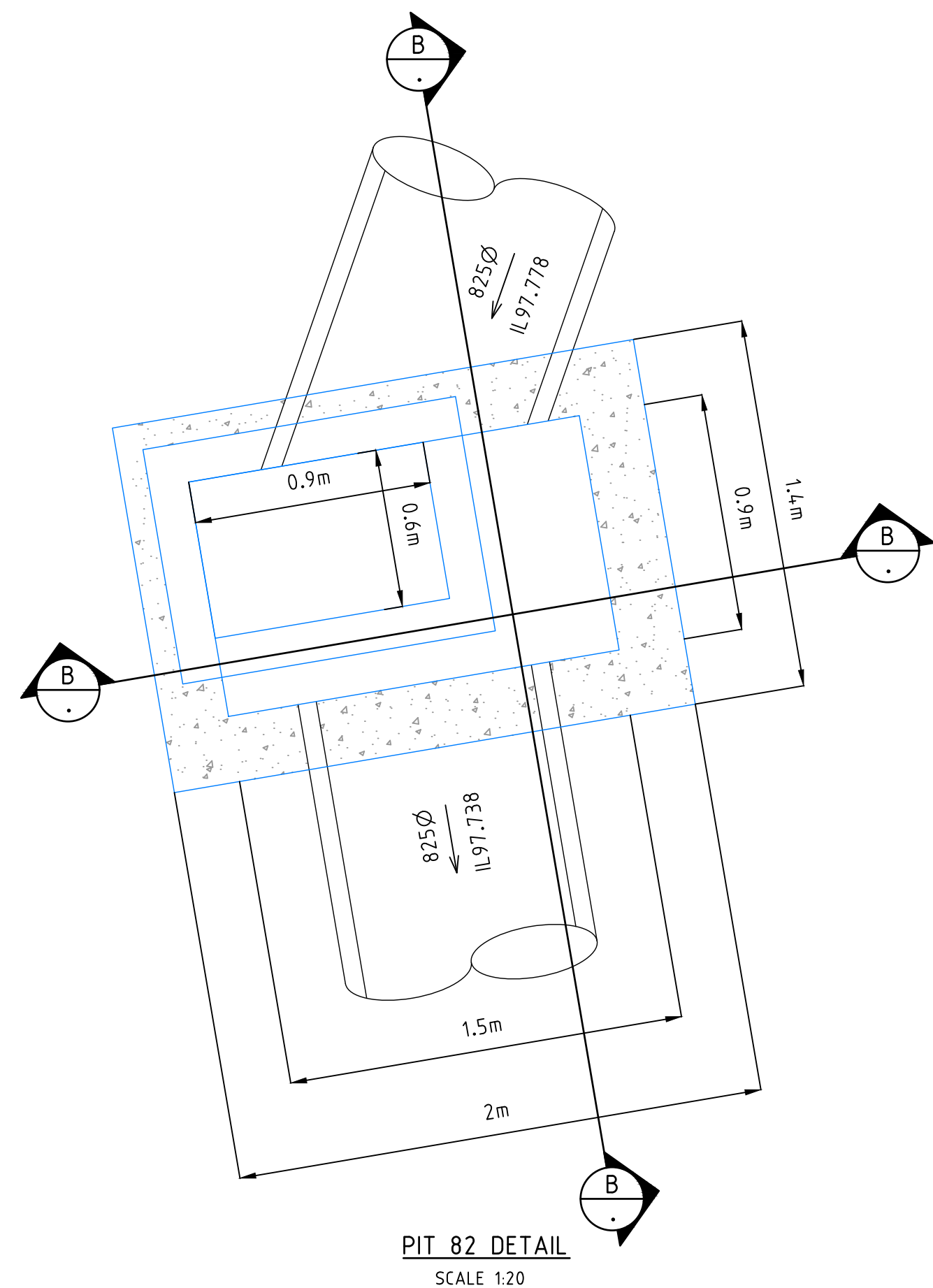
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Drawing No. 22031-02-15
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REVISION	DATE	DES/DT	APPD
A INITIAL ISSUE	19.08.25	AC/AC	NG



Principal
Bloomfield Projects Pty Ltd
2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024

Scale @ A1
Coords: MGA Levels: AHD

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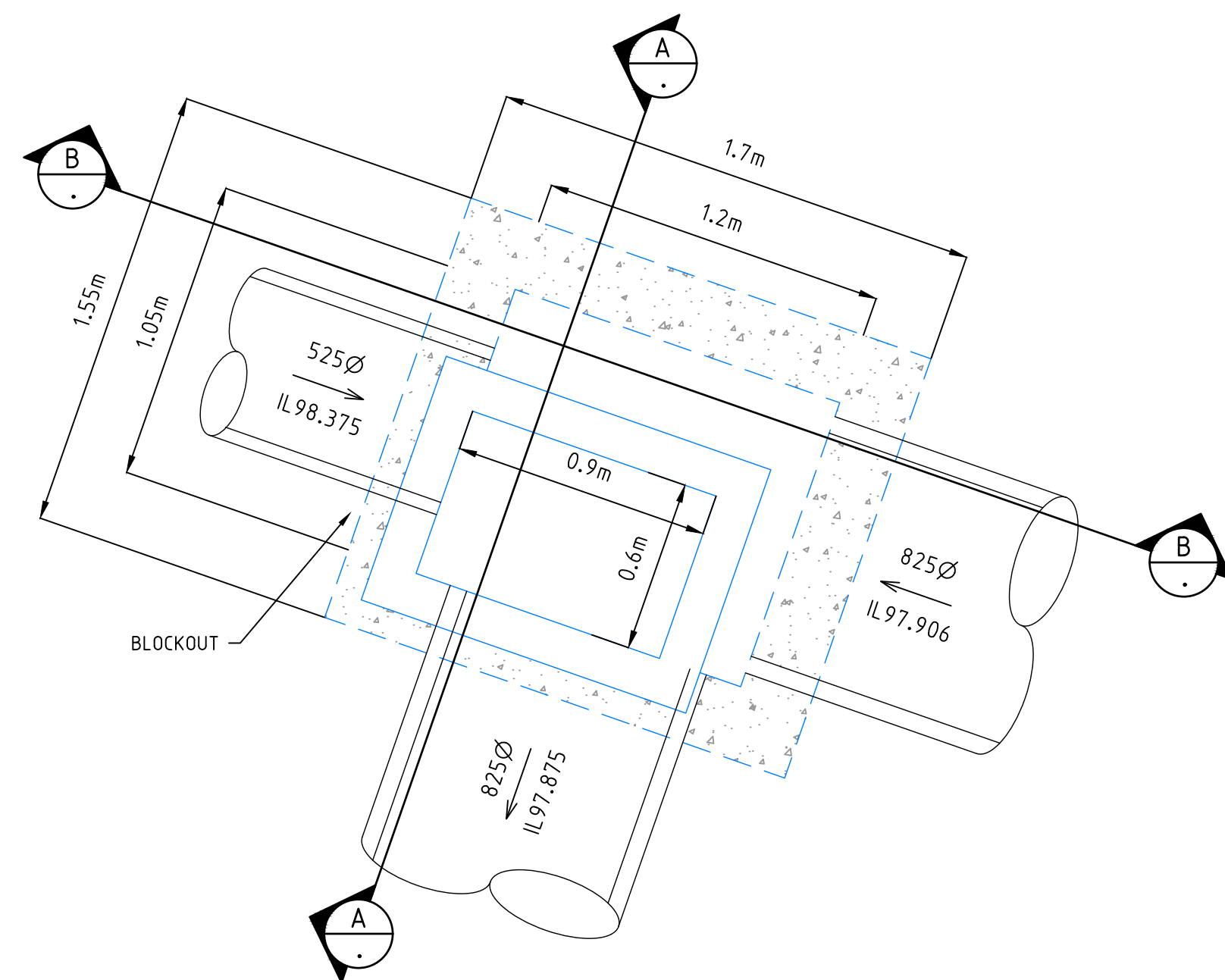
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
PIT DETAILS - 1

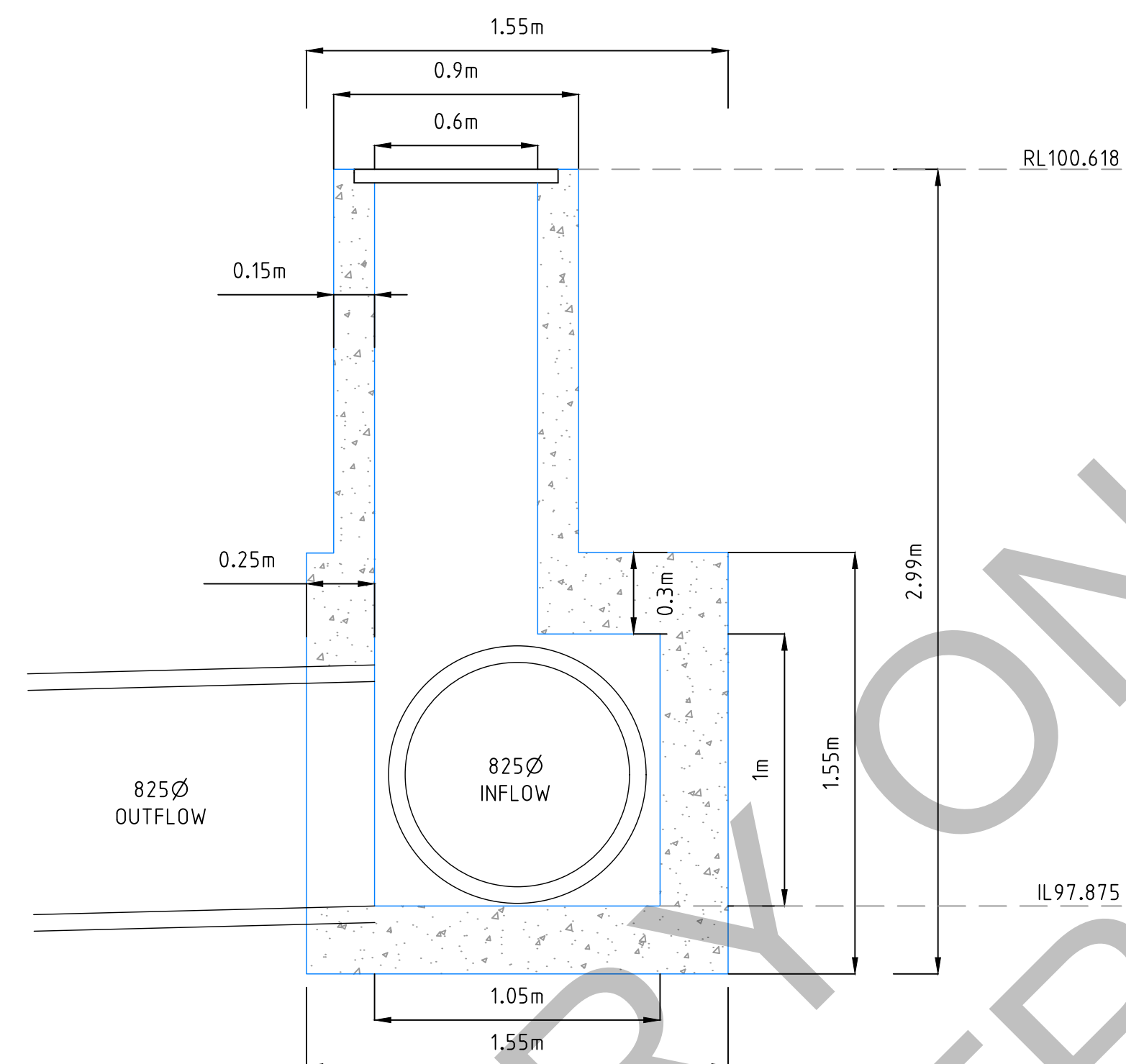
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Sheet No. 16 of 22

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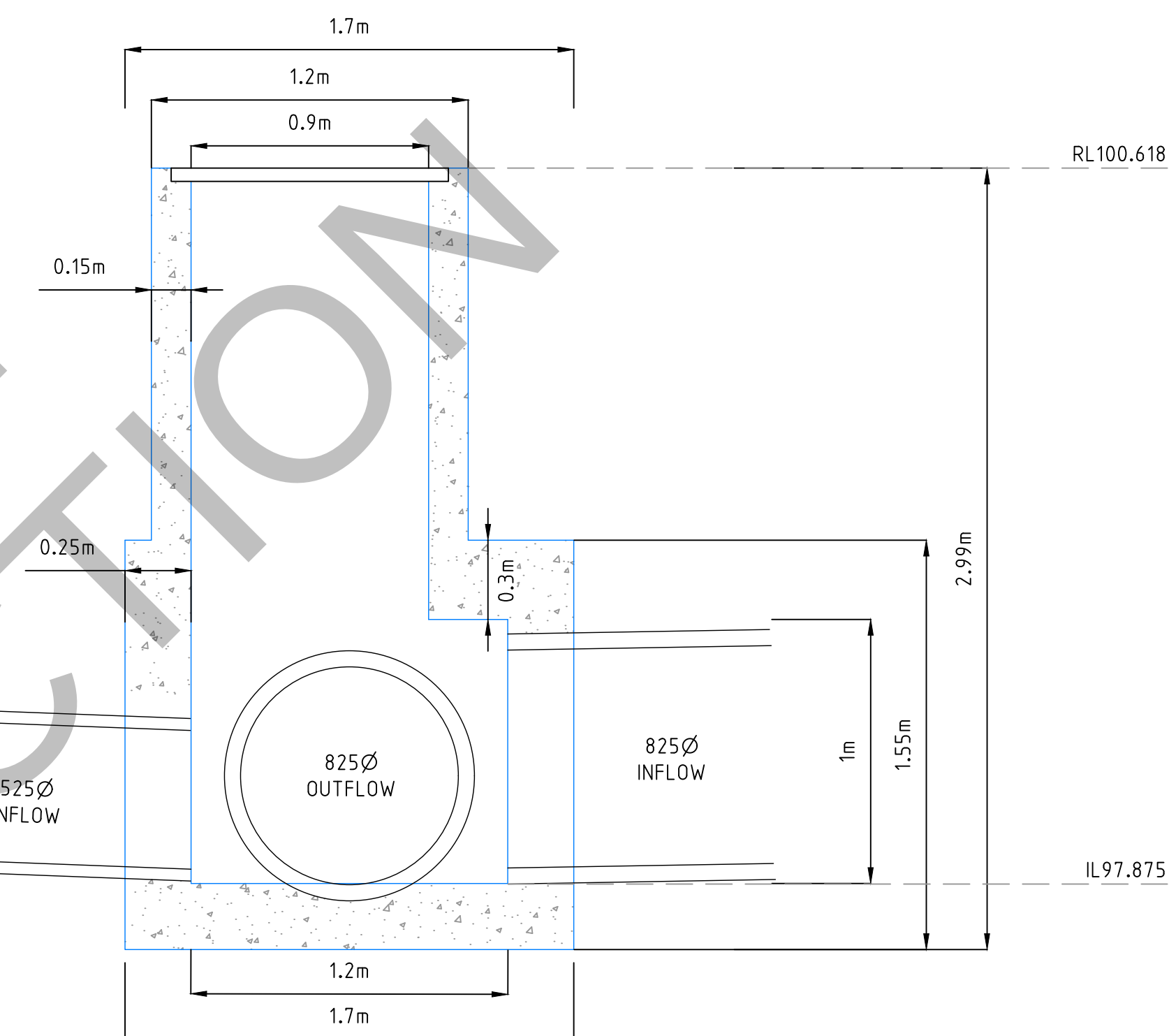
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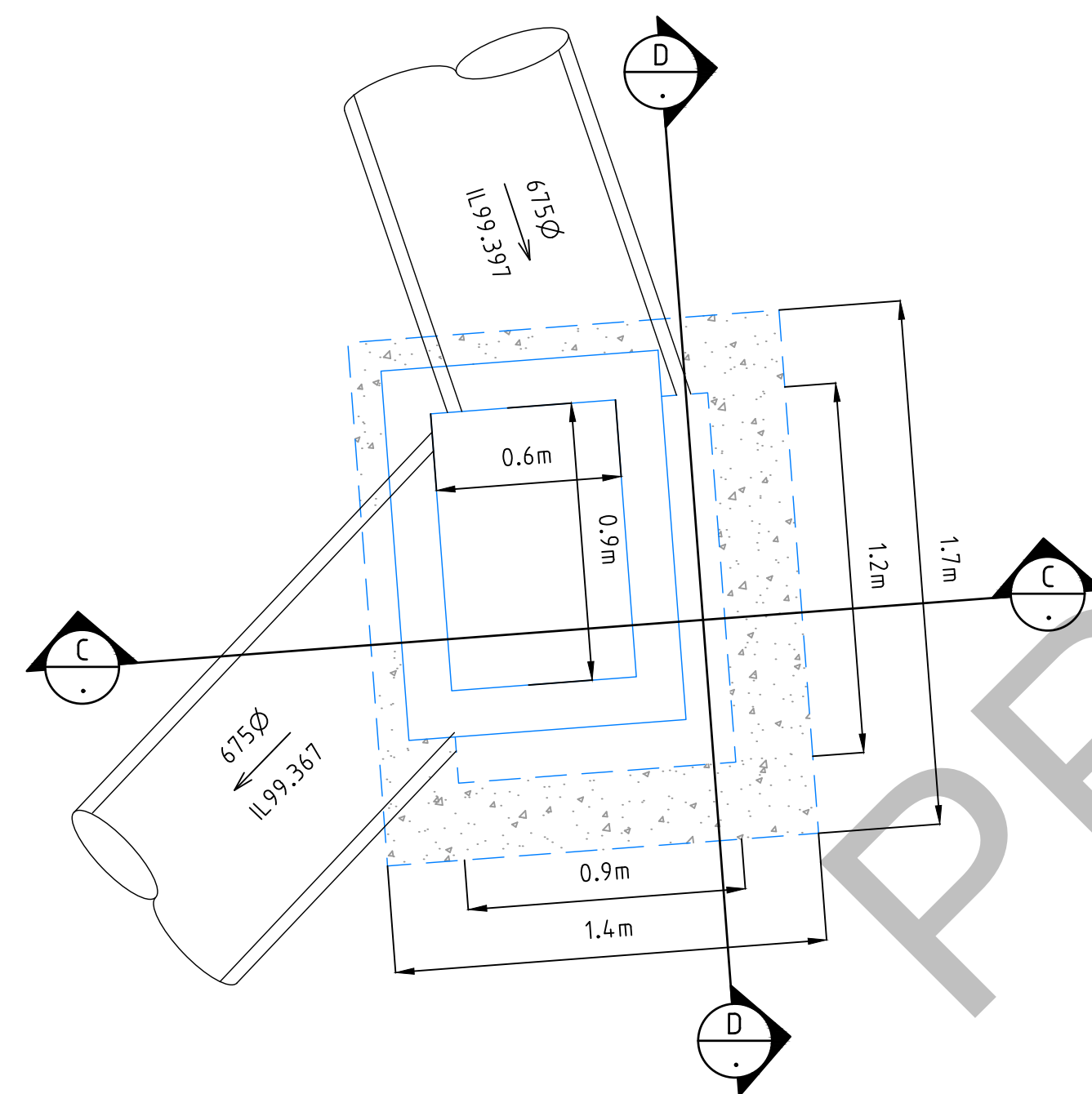
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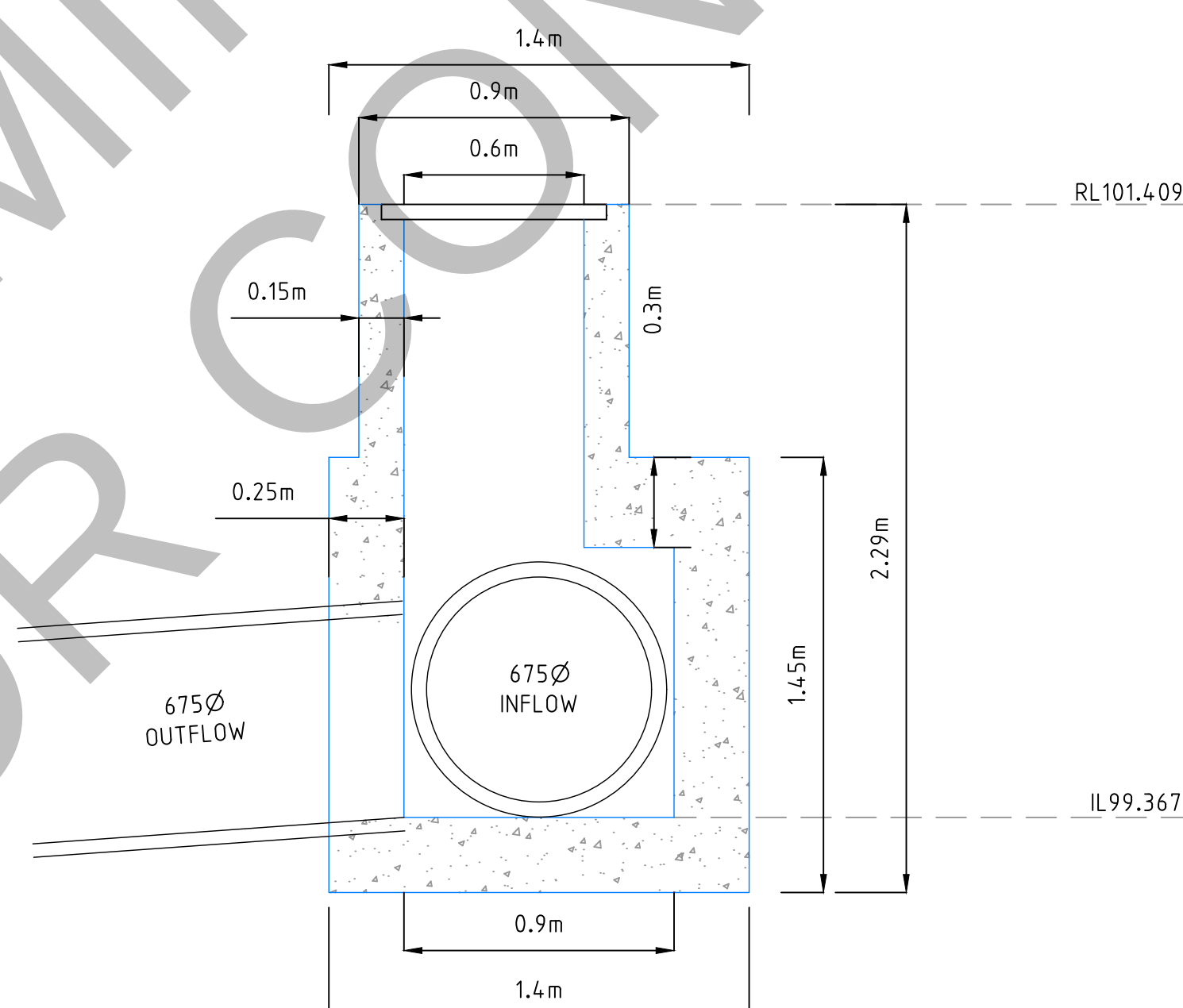
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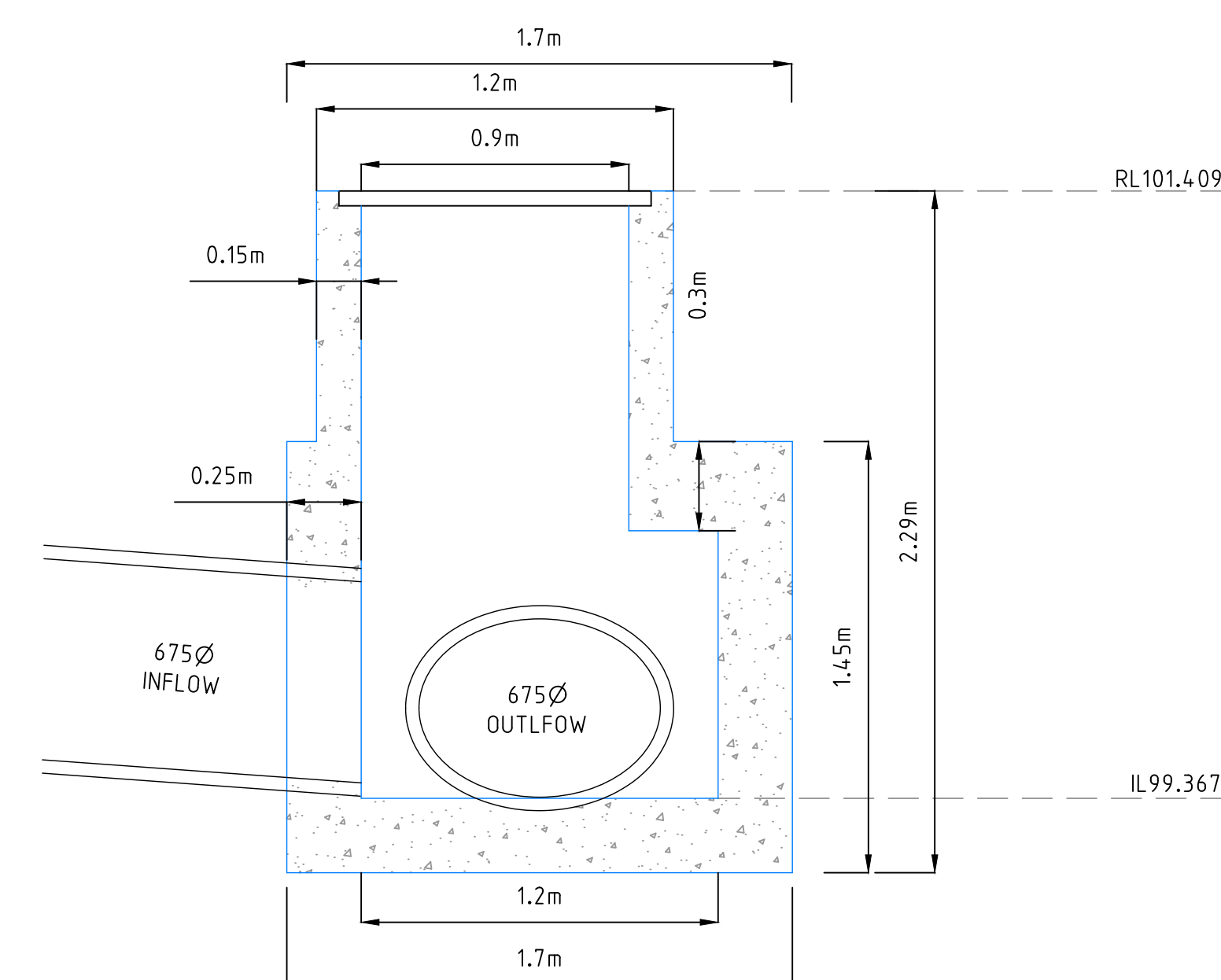
SECTION B-B
SCALE 1:20



PIT 91 DETAIL
SCALE 1:20



SECTION C-C
SCALE 1:20



SECTION D-D
SCALE 1:20

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Drawn
A.Cantwell
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N.Green
Authorised
L.Miller
Date
August 2024

Scale @ A1 1:20
0 0.2 0.4 0.8
Scale 1:20
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
PIT DETAILS - 2

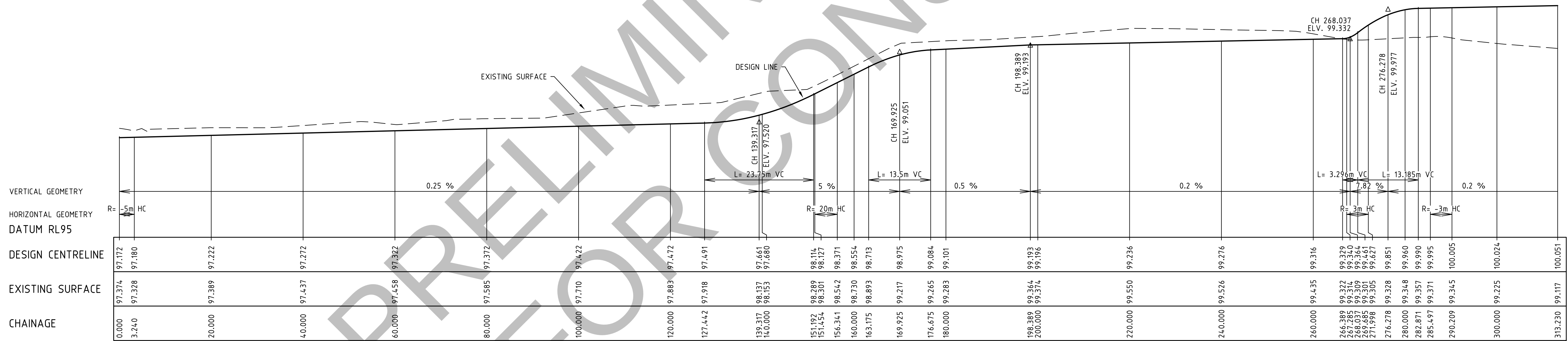
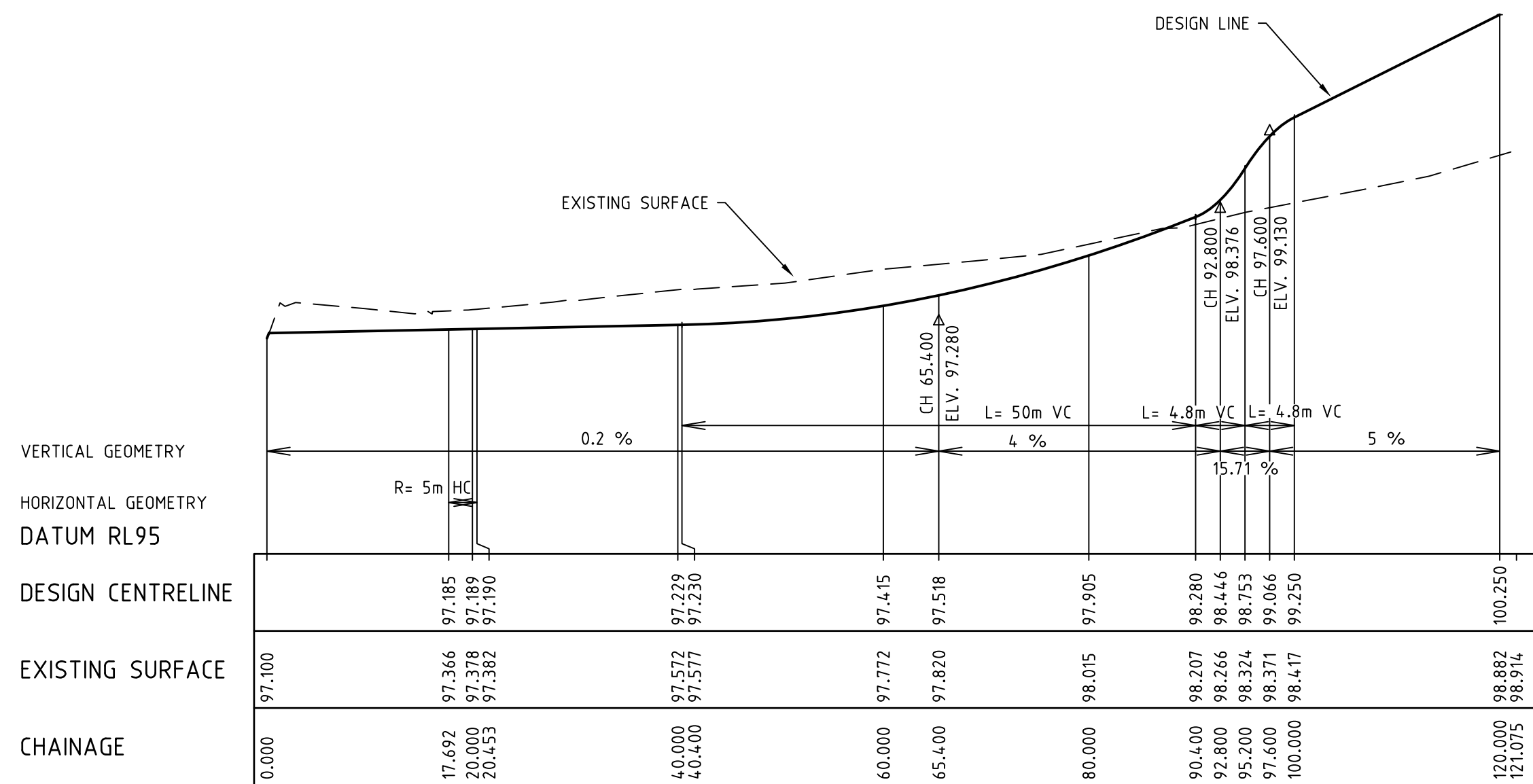
Drawing No. 22031-02-17
Sheet No. 17 of 22

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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE



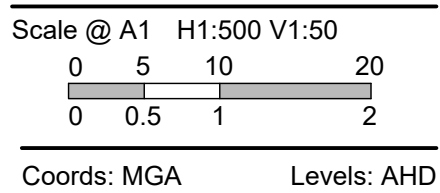
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2 Illowa Street
Malvern East, VIC, 3145

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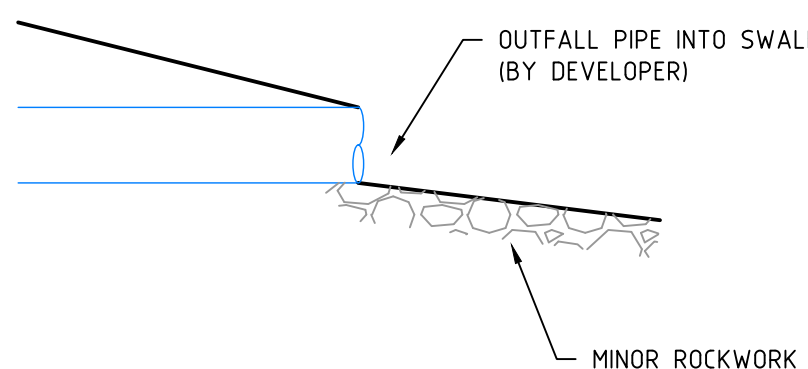
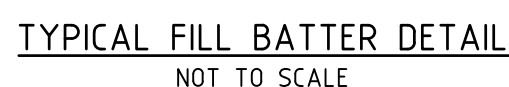
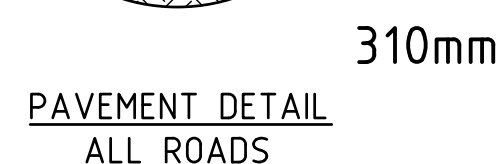
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
SWALE DRAIN LONGITUDINAL SECTIONS

Drawing No. 22031-02-18
Sheet No. 18 of 22

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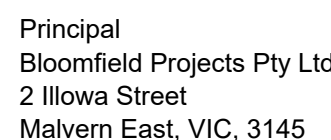


1. THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
3. THE CONTRACTOR SHALL:
 - A. COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - B. NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - C. ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
4. THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
6. TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER. THE REMOVAL OR RETENTION OF EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS. OTHERWISE, APPROVAL WILL BE REQUIRED FROM THE LANDSCAPE APPROVAL OFFICER.
7. ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS, WRITTEN DIMENSIONS ONLY SHALL BE USED.
8. CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. CONDUITS TO BE PLACED A MINIMUM OF 1.4m FROM BOUNDARIES/EASEMENTS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G.W.E AND T ABOVE CONDUIT LOCATIONS AS SPECIFIED. TELSTRA CONDUITS WILL BE SUPPLIED BY TELSTRA AT TELSTRA'S EXPENSE, IN TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. TELSTRA SIZE VARIES - WHITE P.V.C.. TELSTRA TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. GAS AND WATER CONDUITS TO BE 50mm DIA. HEAVY DUTY P.V.C. LAID AT A MINIMUM DEPTH OF 600mm BELOW ROAD FINISHED SURFACE LEVELS.
9. SUBDRAINAINS SHALL BE INSTALLED BEHIND ALL KERB AND CHANNEL AS PER COUNCIL SPECIFICATION AND STANDARD DRAWINGS.
10. ALL LINEMARKING, SIGNING & TRAFFIC CONTROL DEVICES FOR THIS PROJECT TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC PAINT.
 11. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
11. THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER THE EXACT LOCATION OF ALL SERVICES PRIOR TO THE INSTALLATION OF CONDUITS.
12. ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE.
13. FILLING IN PROPERTIES AND ROAD RESERVE IS TO BE CARRIED OUT USING APPROVED CLAY FILL, TOPSOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM FILL SITE PRIOR TO FILLING. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 98% OF MAX. DRY DENSITY UNDER THE STANDARD AASMO TEST. SUBGRADE MATERIAL IS TO MEET 98% OF MAX DRY DENSITY AS PER AS3798/2007. ALL FILLING TO COMPLY WITH AS: 3798/2007, APPENDIX B - LEVEL 1, UNLESS AGREED TO BY THE SUPERINTENDENT, IN WHICH CASE LEVEL 2 IS THE MINIMUM ACCEPTED STANDARD. IF ANY EXISTING SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE, IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL COMPACTED TO COUNCIL REQUIREMENTS. A GEOTECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
14. THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL. IF THE LOCAL SOIL IS NOT SUITABLE, APPROVED SOIL SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.
15. UNLESS OTHERWISE SHOWN, BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 3 CUT AND 1 IN 6 FILL. CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION
16. LOTS SHALL BE GRADED TO ENSURE A MINIMUM GRADE OF 1 IN 150 ON THE LOWEST SIDE BOUNDARY TO THE POINT OF DRAINAGE.
17. ALL 150Ø PIPE TO BE PVC (sh10), 225Ø TO 900Ø INCLUSIVE TO BE RRJ R.C. ALL R.C. PIPES TO BE CLASS 2 UNLESS NOTED OTHERWISE.
18. STORMWATER PITS ARE TO BE SETOUT UTILISING THE INFORMATION PROVIDED ON THE LAYOUT PLANS, CONTRACTOR TO RAISE ANY NON-COMFORMITIES OR DISCREPANCIES WITH THE SUPERINTENDENT PRIOR TO COMMENCING DRAINAGE CONSTRUCTION.
19. STORMWATER DRAINS UNDER PAVEMENTS ARE TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK.
20. STORMWATER DRAINS UNDER FOOTPATHS, DRIVEWAYS AND BEHIND KERB WHERE SIDE OF TRENCH COMES WITHIN 150mm OF THE BACK OF KERB TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK, UNLESS SHOWN OTHERWISE.
21. ALL HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO AN UNDERGROUND DRAIN OR PIT. CONNECT HOUSE DRAIN AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 515 & SD 520. OFFSET 1m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE INDICATED.
22. PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. INVERT LEVEL OF PROPERTY INLET IS TO BE A MINIMUM OF 400mm BELOW FINISHED/EXISTING SURFACE LEVEL. A PROPERTY INLET GULLY BASIN IS NOT REQUIRED AT PROPERTY INLET POINTS.
23. DRIVEWAYS ARE PROVISIONAL ITEMS AND SHOWN ON PLAN ONLY TO INDICATE PREFERRED LOCATIONS. DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 240 & SD 245. DRIVEWAYS TO BE LOCATED 0.75m FROM BUILDING LINE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.2m AT FRONT OF PATH/BUILDING LINE
24. ALL FOOTPATHS, SHARED PATHS AND OR BICYCLE PATHS ARE TO BE 125mm THICK 25mpa SL72 MESH REINFORCEMENT PLACED CENTRALLY WITH 100mm BEDDING AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 205 & SD 210.
25. ALL STREET SIGNS ARE TO BE TO CURRENT BAW BAW SHIRE COUNCIL - PLA0172/19 STANDARD, INCLUDING PROVISION OF LOGO.
26. SIGNS, PAVEMENT MARKINGS AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE IN ACCORDANCE WITH AS1742.2. MARKING PAVEMENT MARKINGS TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
27. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.
28. ANY SOFT ROCK USED IS TO CONFORM TO THE BAW BAW SHIRE COUNCIL - PLA0172/19 SPECIFICATION FOR RIPPED ROCK.
29. APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIODS.
30. CONCRETE TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm. DISTRIBUTION PITS TO BE A MINIMUM OF 300mm FROM EDGE OF FOOTPATHS.
31. UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER. ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER.
32. ALL KERB AND CHANNEL THROUGHOUT THE ESTATE IS TO BE AS PER THE DESIGN PLANS. INTERSECTION KERB AND CHANNEL IS TO BE SEMI-MOUNTABLE (SM2-M). EXCEPT WHERE ABUTTING A RESERVE WHERE IT IS TO BE B2 INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 100.
33. ALL PAVEMENTS ARE TO BE INSTALLED ON ALL PRAM CROSSINGS UNLESS OTHERWISE SHOWN IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1428.4.
34. EXISTING OPEN DRAIN TO BE EXCAVATED TO REMOVE ALL SOFT MATERIAL TO A WIDTH OF A MINIMUM 1m WIDER THAN THE DRAIN AND A MINIMUM DEPTH OF 300mm. THE EXCAVATED AREA SHALL BE INSPECTED AT THIS POINT TO DETERMINE WHETHER FURTHER EXCAVATION IS NECESSARY.

1. GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY ORIGIN ENERGY.
2. EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
3. TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE RELEVANT AUTHORITY.

- ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER.
- COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989, LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

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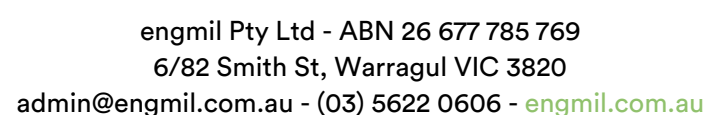
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Drawing No. 22031-02-19
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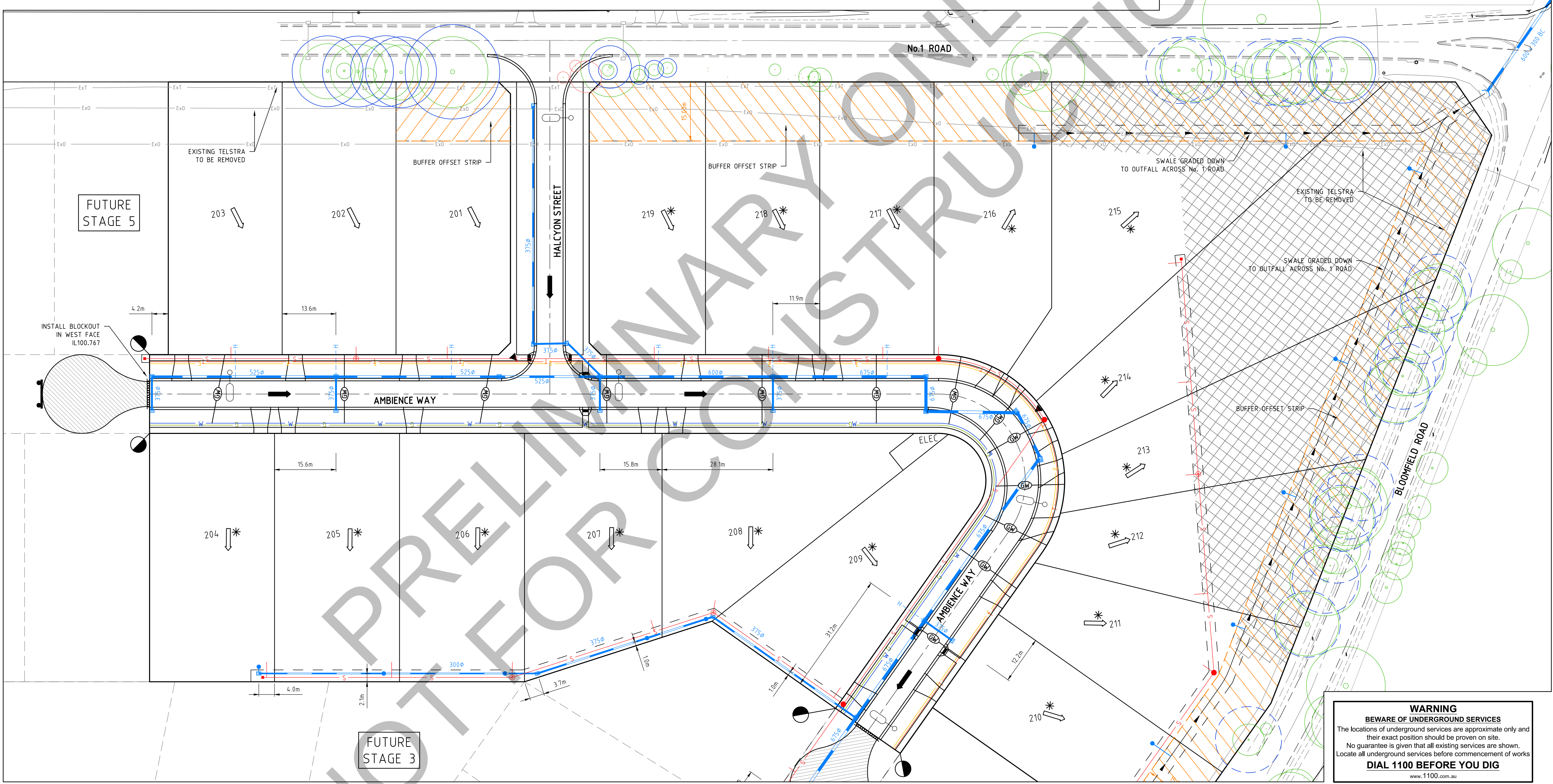
LEGEND - LAYOUT PLAN		
	STORMWATER DRAIN, PIT & PROPERTY INLET	
	SWALE DRAIN	
	SEWER & MAINTENANCE STRUCTURES	
	HOUSE DRAIN	
	SERVICE CONDUITS	
	TACTILE PAVERS	
	EXISTING ELECTRICITY (UNDERGROUND)	
	EXISTING ELECTRICITY (OVERHEAD)	
	EXISTING GAS	
	EXISTING TELSTRA	
	EXISTING WATER	
	EXISTING RISING MAIN	
	EXISTING STORMWATER DRAIN	
	EXISTING RECYCLED WATER	
	EXISTING SEWER	
	EXISTING HOUSE DRAIN	
	EXISTING SWALE DRAIN	
	EXISTING SURFACE LEVEL	
	FINISHED BUILDING LINE LEVEL	
	FINISHED RIDGE LINE LEVEL	
	TOP OF RETAINING WALL	
	BOTTOM OF RETAINING WALL	
	RETAINING WALL	
	ZERO LOT LINES	
	PAVEMENT TREATMENT	
	STRUCTURAL FILL > 200mm DEEP	
	EX. STRUCTURAL FILL > 200mm DEEP	
	DIRECTION OF FALL	
	OVERLAND FLOW	
	ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED	
	CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER	
	LIMIT OF WORKS	
	EXISTING TREE TO BE RETAINED/REMOVED	
	PERMANENT SURVEY MARK	
	TEMPORARY BENCH MARK	
	PROPOSED DRIVEWAY	
	PROPOSED STREET LIGHT	

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)			KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
			6.70	7.30	7.90	SM2-M	SM2-M	6.05	6.05
AMBIENCE WAY	ACCESS ROAD	20.00	6.70	7.30	7.90	SM2-M	SM2-M	6.05	6.05
HALCYON STREET	ACCESS ROAD	20.00	6.70	7.30	7.90	SM2-M	SM2-M	6.05	6.05

ROAD NAME	GAS	SIDE	OFFSET (m)	WATER	SIDE	OFFSET (m)	ELECTRICITY		TELSTRA	
							SIDE	OFFSET (m)	SIDE	OFFSET (m)
							SOUTH	2.10	NORTH	2.30
AMBIENCE WAY (LOT 201-208 & 215-219)		SOUTH	2.10		SOUTH	2.60	NORTH	2.30	NORTH	1.80
AMBIENCE WAY (LOT 209-214)		WEST	2.10		WEST	2.60	EAST	2.30	EAST	1.80
HALCYON STREET		WEST	2.10		WEST	2.60	EAST	2.30	EAST	1.80

NOTE
LIGHTING TO BE FINALISED WITH
APPROVED ELECTRICAL PLANS

LOCALISED SWALE TO
EXISTING DRAIN



WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
www.1100.com.au

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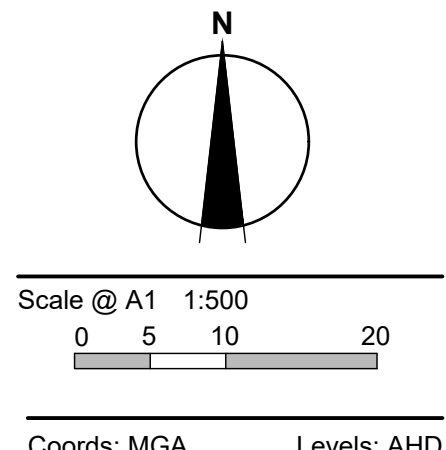
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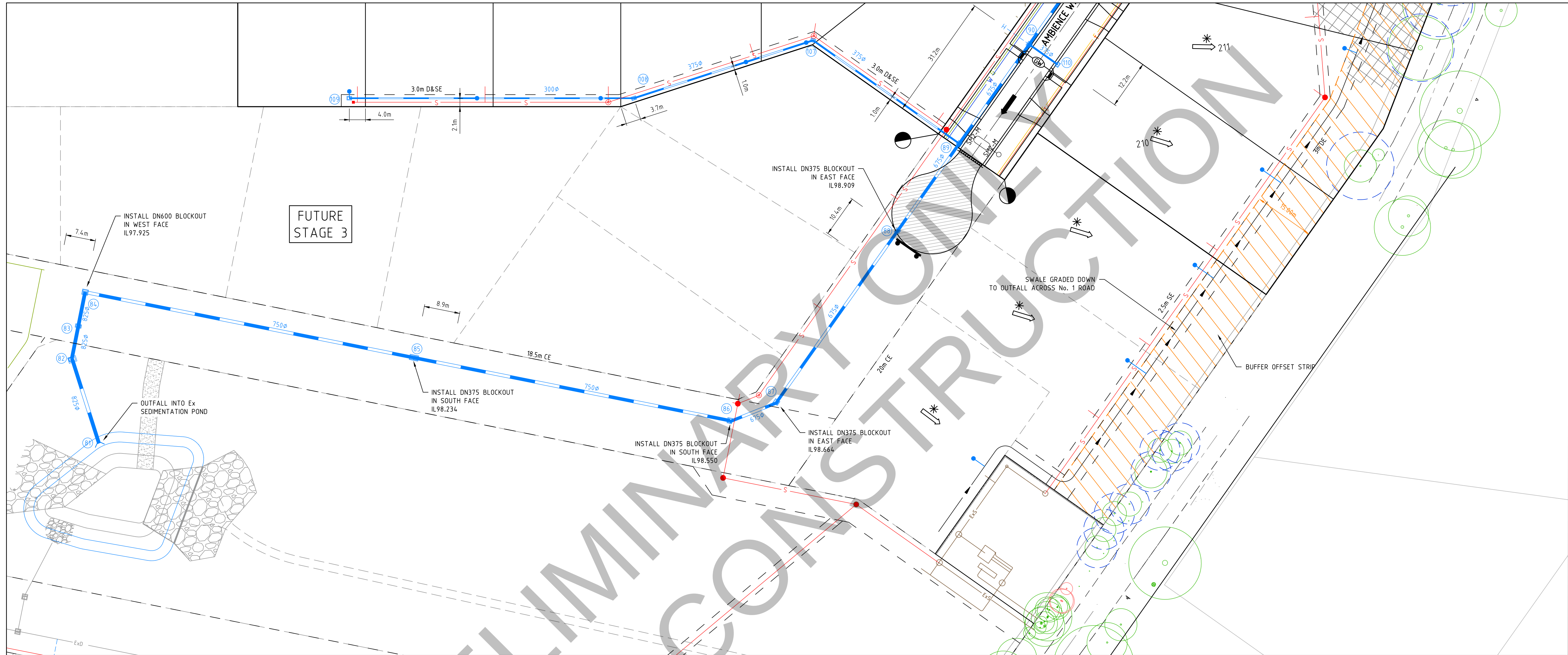
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
MASTER SERVICES PLAN - 1

Drawing No. 22031-02-20
Sheet No. 20 of 22

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LEGEND - LAYOUT PLAN	
STORMWATER DRAIN, PIT & PROPERTY INLET	EXISTING RECYCLED WATER
SWALE DRAIN	EXISTING SEWER
SEWER & MAINTENANCE STRUCTURES	EXISTING HOUSE DRAIN
HOUSE DRAIN	EXISTING SWALE DRAIN
SERVICE CONDUITS	EXISTING SURFACE LEVEL
TACTILE PAVERS	FINISHED BUILDING LINE LEVEL
EXISTING ELECTRICITY (UNDERGROUND)	FINISHED RIDGE LINE LEVEL
EXISTING ELECTRICITY (OVERHEAD)	TOP OF RETAINING WALL
EXISTING GAS	BOTTOM OF RETAINING WALL
EXISTING TELSTRA	RETAINING WALL
EXISTING WATER	ZERO LOT LINES
EXISTING RISING MAIN	PAVEMENT TREATMENT
EXISTING STORMWATER DRAIN	STRUCTURAL FILL > 200mm DEEP
EXISTING SWALE DRAIN	EX. STRUCTURAL FILL > 200mm DEEP
EXISTING SWALE DRAIN	DIRECTION OF FALL
EXISTING SWALE DRAIN	OVERLAND FLOW
EXISTING SWALE DRAIN	ALLOTMENT TO BE GRADED EVENLY IN
EXISTING SWALE DRAIN	DIRECTION OF FALL TO LEVELS INDICATED
EXISTING SWALE DRAIN	CONCRETE EDGE STRIP WITH SUBSOIL DRAIN,
EXISTING SWALE DRAIN	"NO ROAD" SIGN & BARRIER
EXISTING SWALE DRAIN	LIMIT OF WORKS
EXISTING SWALE DRAIN	EXISTING TREE TO BE RETAINED/REMOVED
EXISTING SWALE DRAIN	PERMANENT SURVEY MARK
EXISTING SWALE DRAIN	TEMPORARY BENCH MARK
EXISTING SWALE DRAIN	PROPOSED DRIVEWAY
EXISTING SWALE DRAIN	PROPOSED STREET LIGHT
EXISTING SWALE DRAIN	TREE PROTECTION ZONE (TPZ)

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)				KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK		NTH/WEST	STH/EAST	NTH/WEST	STH/EAST
AMBIENCE WAY	ACCESS ROAD	20.00	6.70	7.30	7.90		SM2-M	SM2-M	6.05	6.05
HALCYON STREET	ACCESS ROAD	20.00	6.70	7.30	7.90		SM2-M	SM2-M	6.05	6.05

ROAD NAME	GAS		WATER		ELECTRICITY		TELSTRA	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
AMBIENCE WAY (LOT 201-208 & 215-219)	SOUTH	2.10	SOUTH	2.60	NORTH	2.30	NORTH	1.80
AMBIENCE WAY (LOT 209-214)	WEST	2.10	WEST	2.60	EAST	2.30	EAST	1.80
HALCYON STREET	WEST	2.10	WEST	2.60	EAST	2.30	EAST	1.80

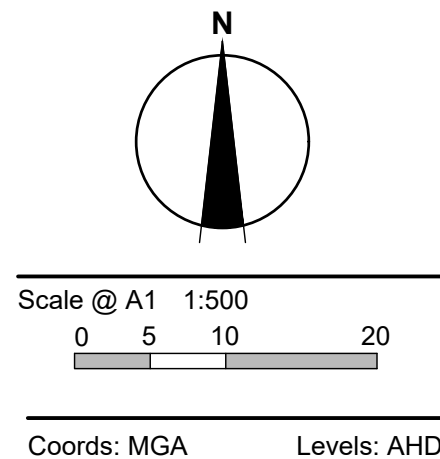
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Principal
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2 Illowa Street
Malvern East, VIC, 3145

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
N.Green
Authorised
L.Miller
Date
August 2024



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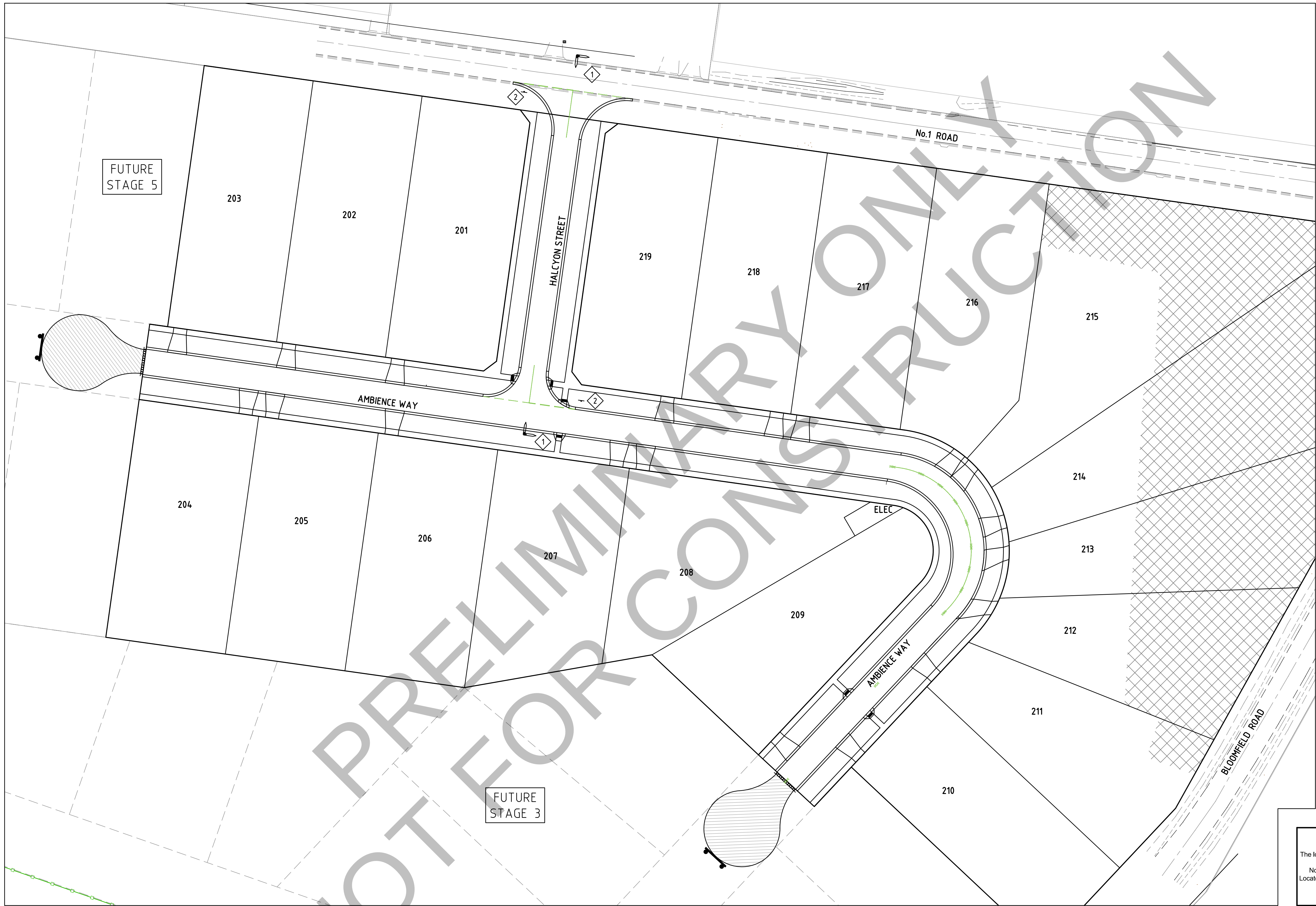
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
MASTER SERVICES PLAN - 2

Drawing No. 22031-02-21
Sheet No. 21 of 22

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SIGN SCHEDULE	
SIGN	REF
	1
STREET SIGN	
	2
R1-2	

LINE MARKING	
	SINGLE CONTINUOUS LINE
	300mm WIDE 600 LINE X 600 GAP
	150mm WIDE 600 LINE X 600 GAP

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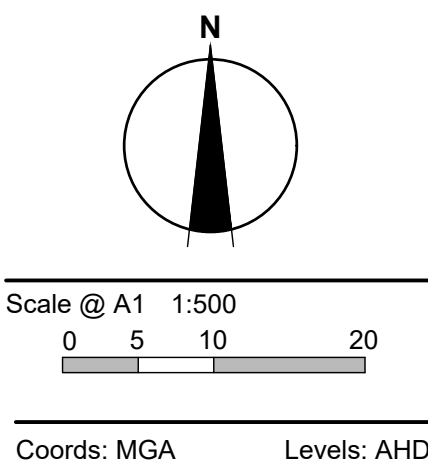
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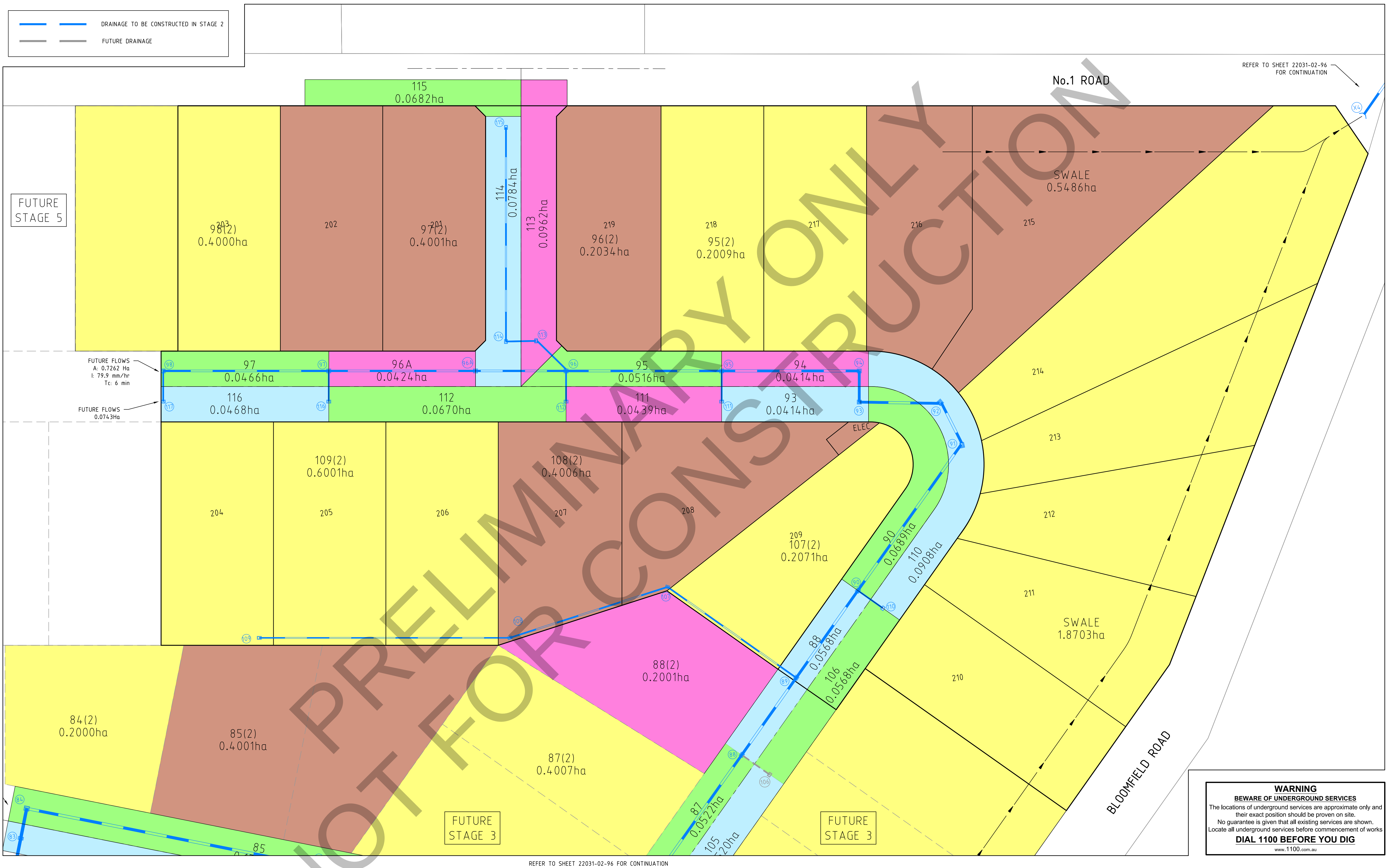
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
SIGNAGE & LINEMARKING PLAN

Drawing No. 22031-02-22
Sheet No. 22 of 22

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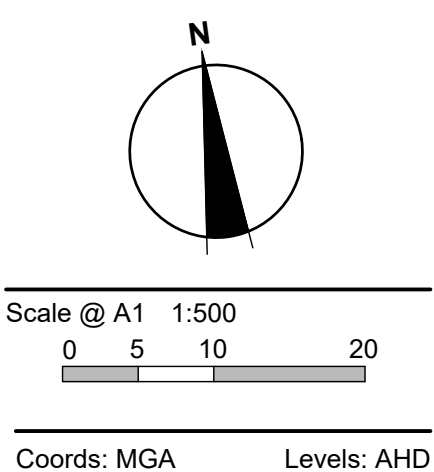
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BLOOMFIELD ROAD, NILMA
STAGE 2 - DETAILED DESIGN
BAW BAW SHIRE COUNCIL - PLA0172/19
ROADWORKS AND DRAINAGE
CATCHMENT PLAN - SHEET 1 OF 2

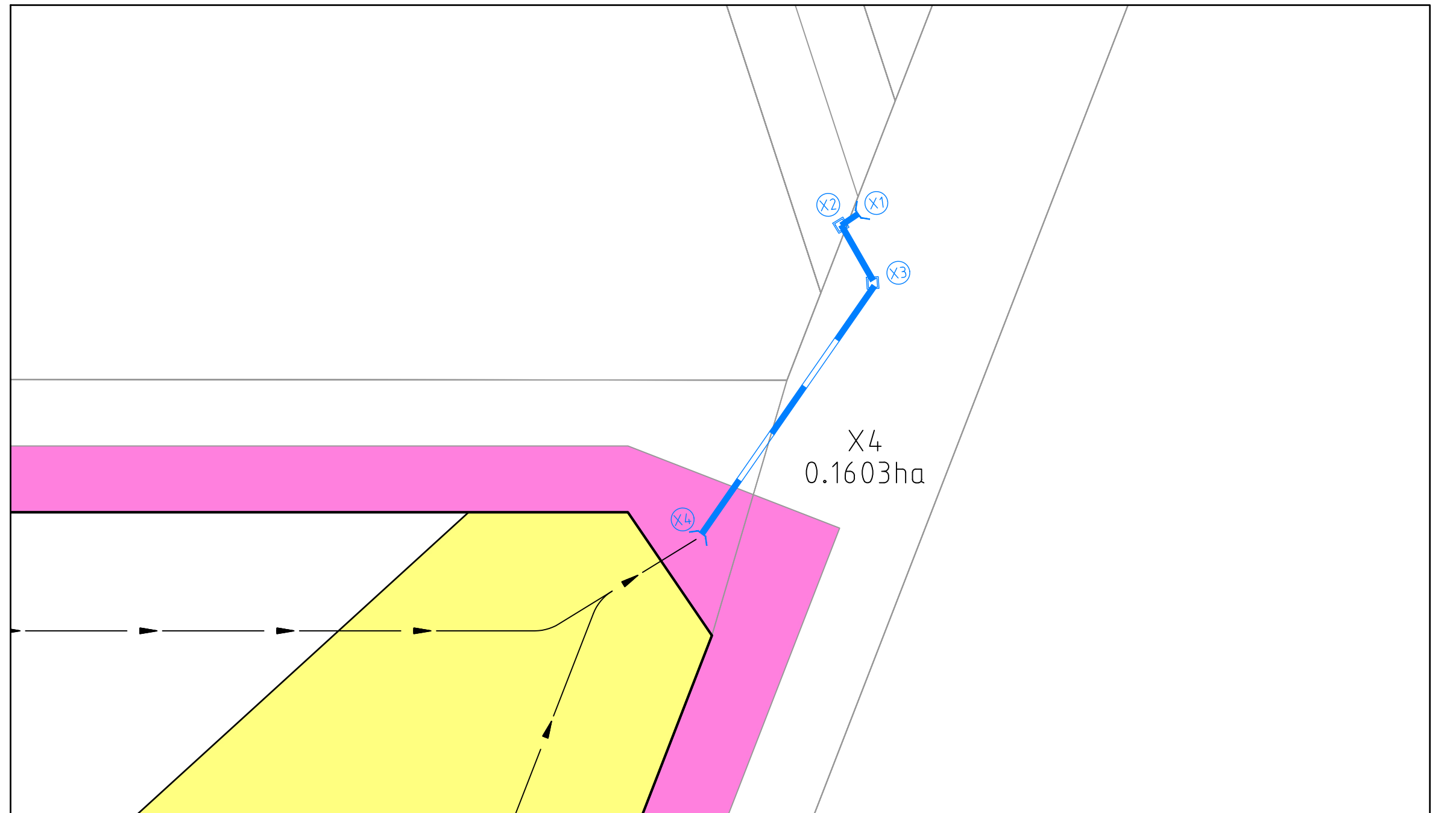
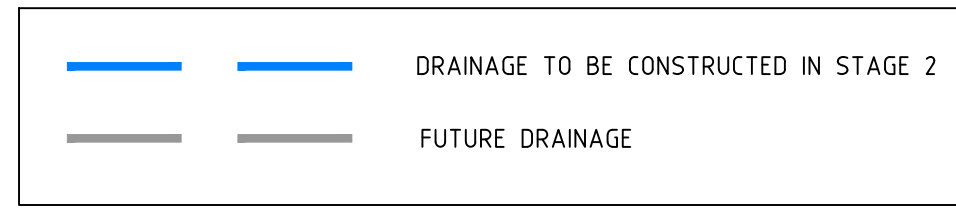
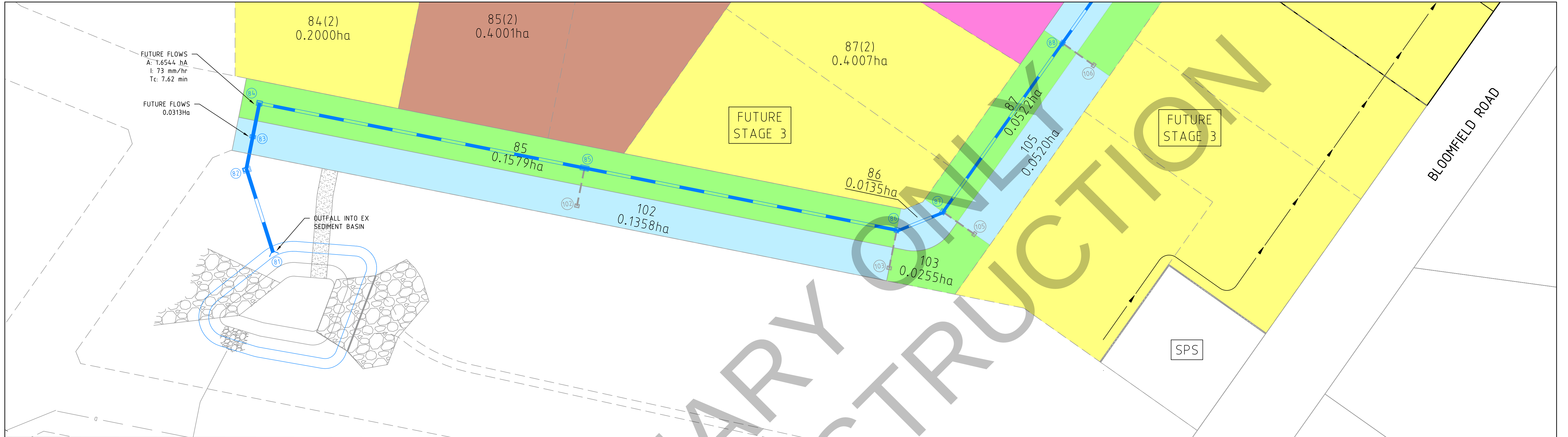
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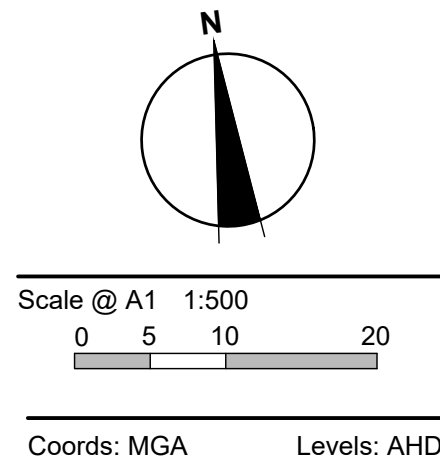
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CATCHMENT PLAN - SHEET 2 OF 2

Drawing No. 22031-02-96
Sheet No. 02 of 02

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