

# CONROY'S GREEN STAGE 1 SAN HUBERTO PROPERTY

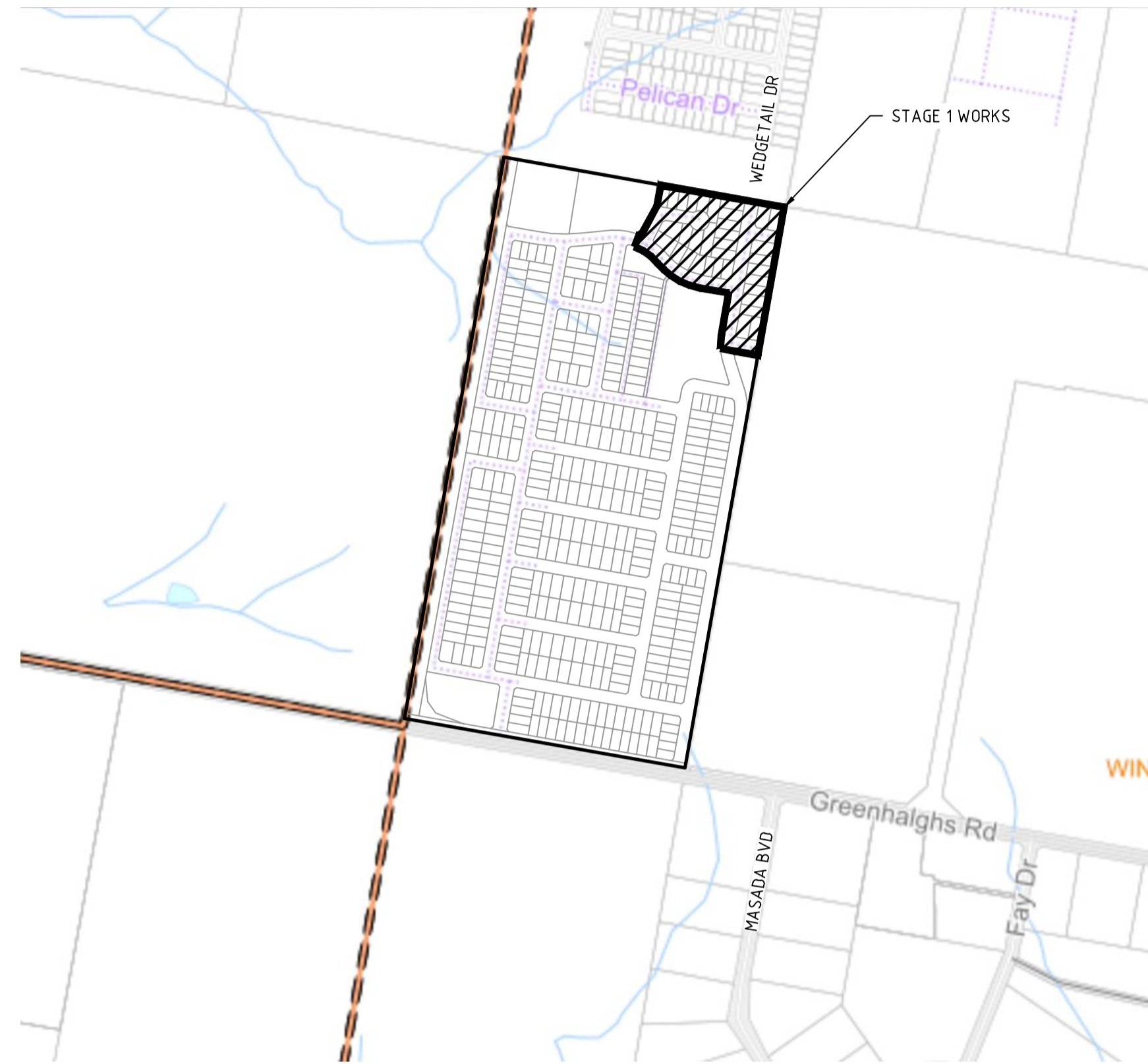
## GENERAL NOTES:

### A. GENERAL

- ALL WORK TO BE CARRIED OUT TO CITY OF BALLARAT & IDM SPECIFICATIONS, STANDARD DRAWINGS AND TO THE SATISFACTION OF COUNCIL'S SENIOR SURVEILLANCE OFFICER OR HIS REPRESENTATIVE.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 54.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND ONLY RE-TOPSOILED ON THE DIRECTION OF THE ENGINEER, TO THE FINAL FILL LEVELS SHOWN ON THE DRAWINGS. ALL FILLING IS TO BE:
  - APPROVED BY THE PROJECT GEOTECHNICAL CONSULTANT.
  - PLACED IN LAYERS NOT EXCEEDING 200MM LOOSE THICKNESS.
  - MOISTURE CONDITIONED TO WITHIN 85% TO 115% OF OPTIMUM MOISTURE CONTENT.
  - COMPACTED TO A MINIMUM 95% (STANDARD) DRY DENSITY RATIO.
  - PLACED UNDER "LEVEL 1" SUPERVISION IN ACCORDANCE WITH AS 3798-1996.
- EXISTING DEPRESSIONS & DRAINS TRaversing THE SITE ARE TO BE CLEANED OUT AND DESLUDGED TO FIRM BASE AND FILLED TO FINISHED SURFACE LEVELS TO THE SPECIFIED COMPACTION STANDARDS.
- TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF TBM'S THEREAFTER.
- POSITION CONDUITS SO THAT A MINIMUM DISTANCE BETWEEN TAPPING IS 1.0M OTHERWISE TO BE LOCATED MIDWAY BETWEEN FENCE LINE OF LOT, UNLESS OTHERWISE SHOWN.
- BEFORE COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.5 M DEEP, THE REQUIRED NOTICE IS TO BE SENT TO THE VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE MINES ACT, 1959 NO 6320 SECTION 385 AND THE OCCUPATIONAL HEALTH AND SAFETY ACT 1985. THIS NOTIFICATION MUST BE RECEIVED BY THE AUTHORITY AT LEAST 3 DAYS PRIOR TO COMMENCING EXCAVATIONS, AND A COPY OF THE NOTIFICATION MUST BE PROVIDED TO THE SUPERINTENDENT.
- COUNCIL'S REPRESENTATIVE IS TO BE NOTIFIED IN WRITING SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF WORKS.
- NO EXCAVATION WITHIN 5M OF ANY EXISTING TREE WITHOUT APPROVAL OF THE ENGINEER.
- NO BLASTING IS PERMITTED WITHIN THE CITY OF BALLARAT WITHOUT OBTAINING COUNCIL'S SPECIAL DISPENSATION.
- EXCAVATED MATERIAL SURPLUS TO FILLING REQUIREMENTS OF THE WORKS SHALL BE REMOVED FROM SITE AS SPECIFIED.
- ALL SURPLUS ROCK, CONCRETE AND BITUMINOUS RUBBLE SHALL BE DISPOSED OFF SITE AS SPECIFIED. THE CONTRACTOR SHALL CHECK WITH SUPERINTENDENT WHETHER ANY LARGE ROCKS ARE REQUIRED FOR LANDSCAPE PURPOSES PRIOR TO DISPOSAL.
- NATURESTRIPS AND ALL AREAS OF CUT OUTSIDE ROAD RESERVE TO BE SURFACED WITH 100MM MINIMUM COMPACTED LAYER OF TOPSOIL.
- CULTURAL HERITAGE AREAS TO BE STRIPPED OF TOPSOIL TO A DEPTH OF APPROXIMATELY 350MM AND PLACED ON EXISTING TOPSOIL STOCKPILE FOR RE-SPREADING AT A LATER DATE.

### B. ROAD WORKS

- FOOTPATHS ARE TO BE 15M WIDE UNLESS SHOWN OTHERWISE. FOOTPATHS TO BE CONSTRUCTED TO THE CITY OF BALLARAT STANDARDS.
- CONSTRUCT LAYBACK SECTION AT VEHICLE CROSSING, REVERSING BAYS AND CAR PARKING BAYS AND PRAM CROSSING TO THE CITY OF BALLARAT STANDARDS.
- ALL CHAINAGES REFER TO ROAD PAVEMENT CENTRELINES EXCEPT IN COURT HEADS AND INTERSECTIONS WHERE CHAINAGES REFER TO BACK OF KERB.
- THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO ALLOTMENTS MUST BE MADE GOOD.
- ALL BATTERS SHALL BE TO THE CITY OF BALLARAT STANDARDS.
  - CUT 1 IN 12 UNLESS OTHERWISE SHOWN.
  - FILL 1 IN 12 UNLESS OTHERWISE SHOWN.
- WHERE CRUSHED ROCK IS SHOWN UNDER CONCRETE FOOTPATHS CONSTRUCTED ON FILL, THE CRUSHED ROCK IS TO BE 20MM CLASS 3. WHERE CUT BATTERS ARE STEEPER THAN 1:6 THEY MUST BE HYDRO MULCHED.
- SUBGRADE BE COMPACTED TO A MINIMUM OF 98% STANDARD MAXIMUM DRY DENSITY (AS3798), WITH THE SUBBASE COMPACTED IN ACCORDANCE WITH SCALE C IN VICROADS TABLE 304.071 USING FINE CRUSHED ROCK AND THE BASE COURSE TO AN AVERAGE OF 100% MINIMUM MODIFIED DRY DENSITY. ANY FILLING BENEATH ROAD PAVEMENT AREAS TO BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY. COMPACTION TESTING TO BE AS PER COUNCIL REQUIREMENTS.
- ANY BACKFILL WITHIN 1.0M OF A COUNCIL ASSET (FOOTPATH OR ROAD) IS TO BE FCR. FILL MATERIAL IS ACCEPTABLE IF COMPACTED TO ENSURE 95% COMPACTION. COMPACTION TESTING TO BE PERFORMED AT ONE PER 60M OF TRENCH.
- CONCRETE TO HAVE 28DAY STRENGTH OF 25MPA UNLESS NOTED OTHERWISE
- MATERIALS AND SUPPLIERS CALLED IN THE SPECIFICATION, SCHEDULES OR PLANS SHALL NOT BE SUBSTITUTED WITHOUT PRIOR WRITTEN APPROVAL AS PER 'ENVIRONMENTAL DEVELOPMENT - NATIONAL TECHNICAL STANDARD VERSION 2'. ALL RECEIPTS MUST BE RETAINED AND PROVIDED UPON REQUEST.



LOCALITY PLAN  
NOT TO SCALE

## DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES	1	B
CR200	ROAD LAYOUT PLANS - FACE PLAN	2	B
CR201	ROAD LAYOUT PLANS - TBM AND CUT & FILL PLAN	3	B
CR300	ROAD LONG SECTIONS - SHEET 1	4	B
CR301	ROAD LONG SECTIONS - SHEET 2	5	B
CR400	ROAD CROSS SECTIONS - SHEET 1	6	B
CR401	ROAD CROSS SECTIONS - SHEET 2	7	B
CR402	ROAD CROSS SECTIONS - SHEET 3	8	B
CR403	ROAD CROSS SECTIONS - SHEET 4	9	B
CR500	INTERSECTION DETAILS - SHEET 1	10	B
CR501	INTERSECTION DETAILS - SHEET 2	11	B
CR502	INTERSECTION DETAILS - SHEET 3	12	A
CR600	DRAINAGE LONG SECTIONS - SHEET 1	13	B
CR601	DRAINAGE LONG SECTIONS - SHEET 2	14	B
CR602	DRAINAGE LONG SECTIONS - SHEET 3	15	B
CR603	DRAINAGE LONG SECTIONS - PIT SCHEDULE	16	B
CR700	PAVEMENT AND TYPICAL DETAILS	17	B
CR800	SIGNAGE AND LINEMARKING	18	B

## SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		GAS		NBN (TELECOM)		ELECTRICITY			
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE	
							SIDE	OFFSET	SIDE	OFFSET
WEDGETAIL DRIVE LOT 124-132	E	3.00	E	2.50	W	1.80	W	10x	W	2.60
WEDGETAIL DRIVE LOT 133-134	N	2.95	N	2.40	S	1.80	S	10x	S	2.70
BROLGA BOULEVARD	N	2.95	N	2.40	S	1.80	S	10x	S	2.70
KITE STREET	N	2.95	N	2.40	S	1.80	S	10x	S	2.70
WARBLER COURT (LOT 101-104)	N	2.70	N	2.30	S	1.80	S	10x	S	2.70
WARBLER COURT (LOT 104-107)	N	2.40	N	2.00	S	1.80	S	10x	S	2.70
WARBLER COURT (LOT 110-111)	W	2.70	W	2.30	E	1.80	E	10x	E	2.70

- 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

## LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OVERHEAD ELECTRICITY & POLE	OE	OE
TELECOMMUNICATIONS & SERVICE PIT	T	T
OPTIC FIBRE	OF	OF
OVERHEAD TELECOMMUNICATIONS	OT	OT
GAS MAIN	G	G
BRANCH SEWER & MAINTENANCE STRUCTURE	S	S
SEWER & MAINTENANCE STRUCTURE	S	S
SEWER RISING MAIN	SRM	SRM
CENTRAL INVERT	>	>
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN	+H	+H
AG DRAIN AND FLUSHER	AG	AG
STORM WATER DRAINAGE PIT TYPE & NUMBER	EX 920JP	1118JP
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING		
NON STANDARD CONCRETE VEHICLE CROSSING OFFSET		
RIDGE / CHANGE OF GRADE LINE	-169.00-	169.00
SURFACE CONTOUR MINOR	-168.90-	168.90
SURFACE CONTOUR MAJOR	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW126.76	TW128.50 BW126.74
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
LIGHT & POLE (BY OTHERS)		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH116.57 (L/R)ITP CH116.57	CH116.57 (L/R)ITP CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT		A2
LIMIT OF WORKS		
BATTER		
ROCK BEACHING		
RETAINING WALL		
FENCE - TREE PROTECTION		
FENCE - VEHICLE EXCLUSION		
FENCES		
GUARD RAIL		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE PROTECTED		
TREE TO BE REMOVED		
VEGETATION LINE		
FOOTPATH		
TACTILE GROUND SURFACE INDICATOR		
KERB TRANSITION		B2 SM2



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

file name: 308244CR100.dwg, layout name: CR100, plotted by: Jordan Roberts, file location: G:\308244\CON\ALCAD\plot.dwg, 17/11/2020 10:59 AM, sheet 1 of 18 sheets

Rev	Description	Approved	Date
B	AMENDED SHEETS CR100-501 & 600-800	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20
Rev	Amendments	Approved	Date



**spiire**  
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VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635

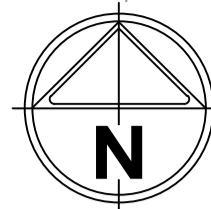
Designed  
J.DOHERTY  
Authorised  
A.WILKIE

Checked  
B.IBBS  
Date  
25/11/20

**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
GENERAL NOTES**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Drg No **308244CR100** Rev **B**

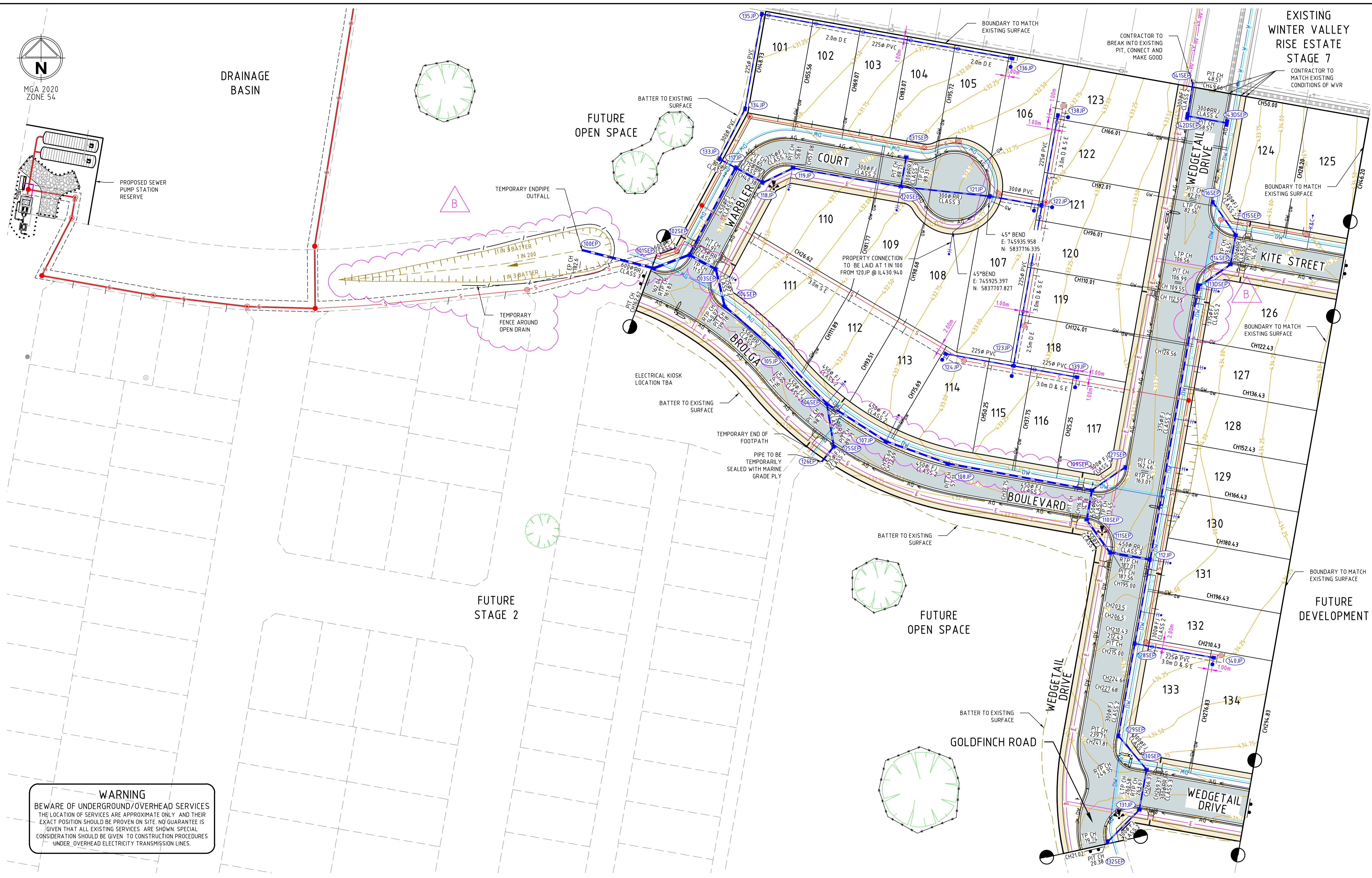




MGA 2020  
ZONE 54

DRAINAGE  
BASIN

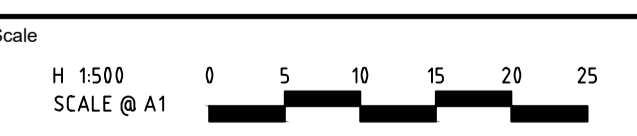
EXISTING  
WINTER VALLEY  
RISE ESTATE  
STAGE 7  
CONTRACTOR TO  
MATCH EXISTING  
CONDITIONS OF WVR



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Rev	Amendments	Approved	Date
B	AMENDED BROLGA BOULEVARD DRAINAGE, OUTFALL, LOT 126 HOUSE DRAIN	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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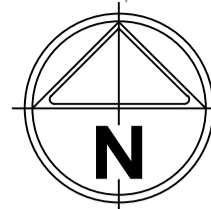
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J.DOHERTY  
Authorised  
A.WILKIE

Checked  
B.IBBS  
Date  
25/11/20

**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY**

**PRELIMINARY** Dwg No **30824CR200** Rev **B**





MGA 2020  
ZONE 54

TBM4  
E 745652.916  
N 5837806.350  
RL 425.980

DRAINAGE  
BASIN

TBM3  
E 745845.532  
N 5837711.227  
RL 430.630

FUTURE  
OPEN SPACE

EXISTING  
WINTER VALLEY  
RISE ESTATE  
STAGE 7

TBM1  
E 746039.285  
N 5837734.992  
RL 430.350

KITE STREET

-VE = CUT  
+VE = FILL

DEPTH RANGES (100mm)

FROM	TO	COLOUR
-	-0.80	
-0.80	-0.70	
-0.70	-0.60	
-0.60	-0.50	
-0.50	-0.40	
-0.40	-0.30	
-0.30	-0.20	
-0.20	-0.10	
-0.10	0.00	
0.00	0.10	
0.10	0.20	
0.20	0.30	
0.30	0.40	
0.40	0.50	
0.50	0.60	
0.60	0.70	
0.70	0.80	
0.80	+	

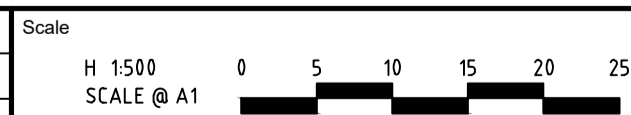
NOTE: DOES NOT INCLUDE FILLING  
OF EXISTING OPEN DRAINS

TBM LOCATIONS

Point Number	Easting	Northing	RL	D
1	746039.285	5837734.992	430.350	STAR PICKET
2	745999.950	5837535.046	430.870	STAR PICKET
3	745845.532	5837711.227	430.630	STAR PICKET
4	745652.916	5837806.350	425.980	STAR PICKET

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



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Authorised  
A.WILKIE

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B.IBBS  
Date  
25/11/20

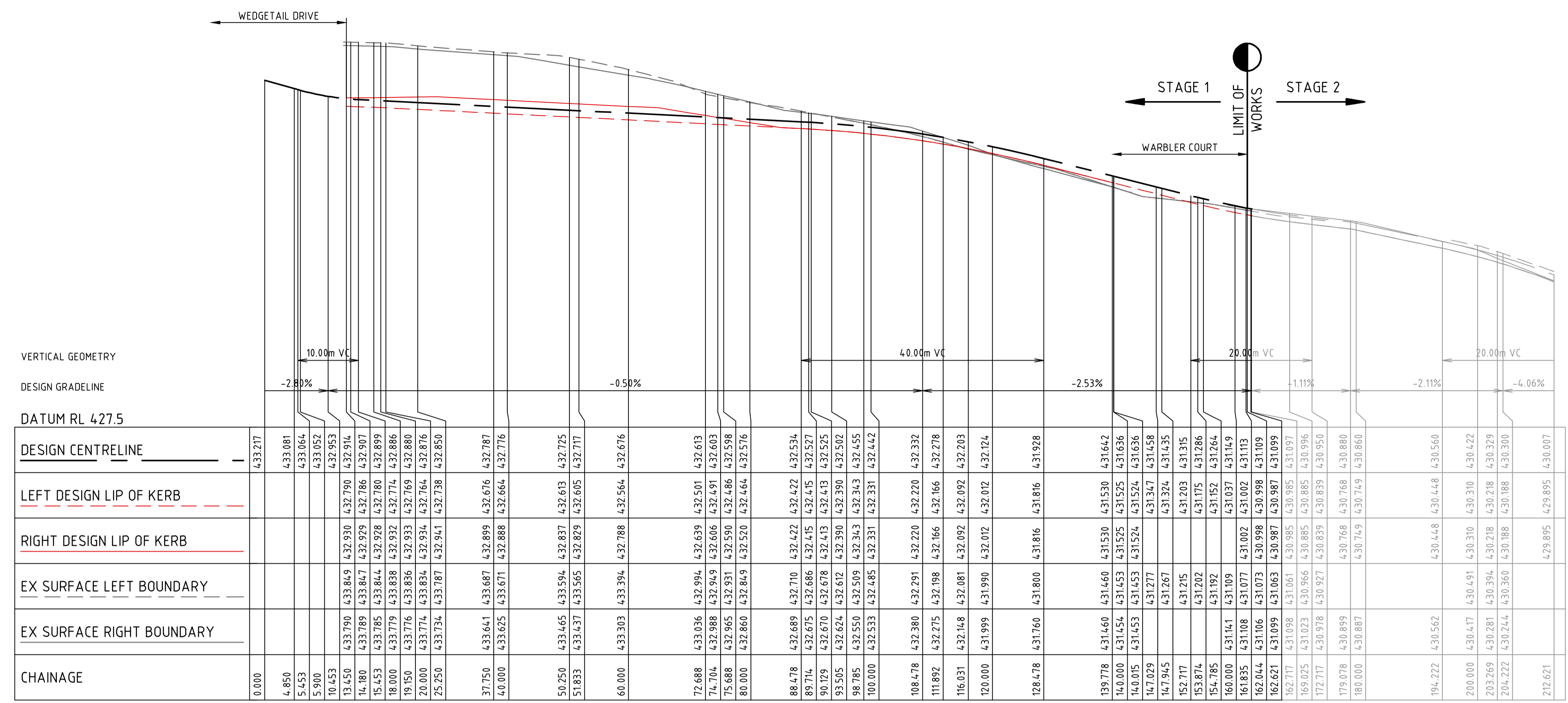
**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
ROAD LAYOUT PLANS - TBM AND CUT & FILL PLAN  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY**

**PRELIMINARY** Dwg No  
**308244CR201** Rev  
**B**

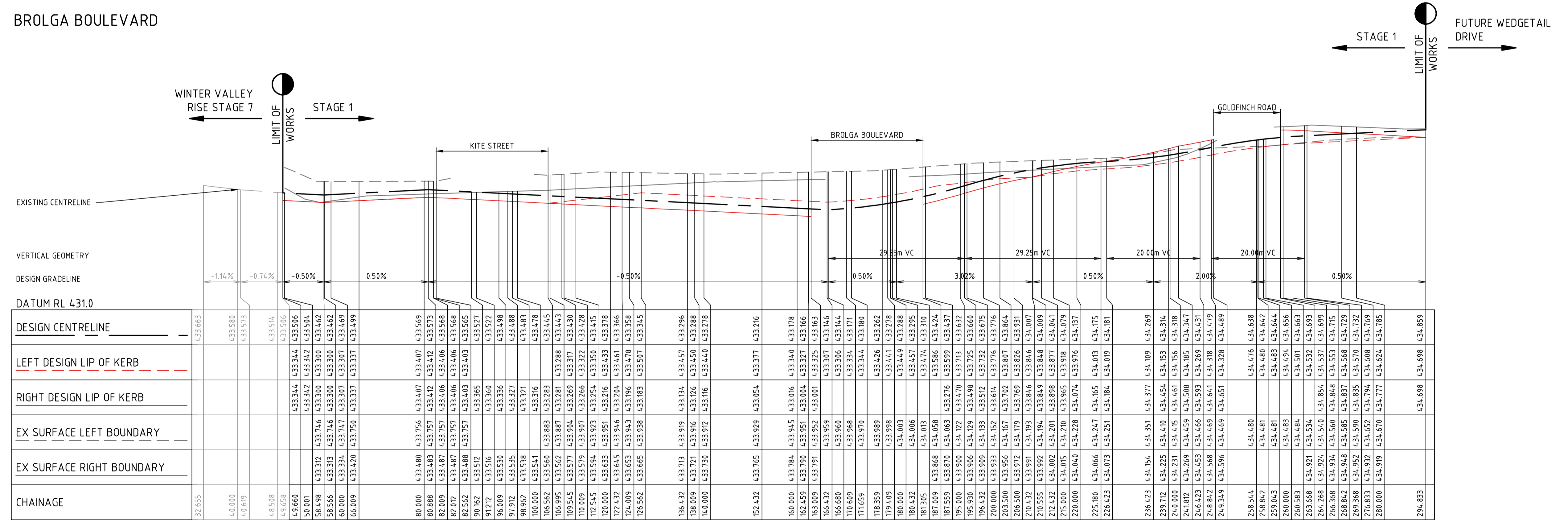
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B



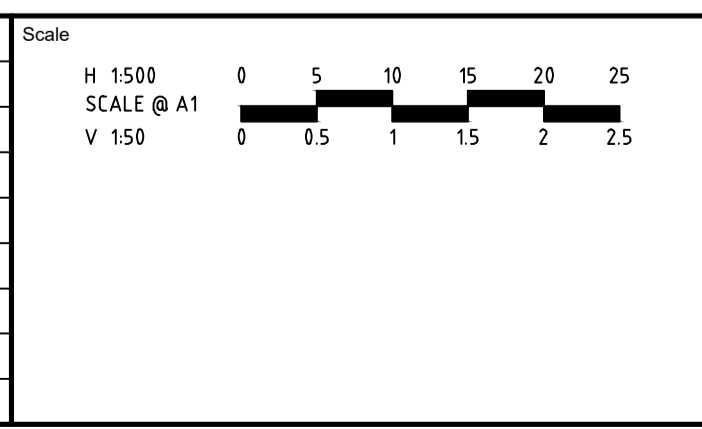
BROLGA BOULEVARD



WEDGETAIL DRIVE

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Rev	Amendments	Approved	Date
B	AMENDED LONG SECTIONS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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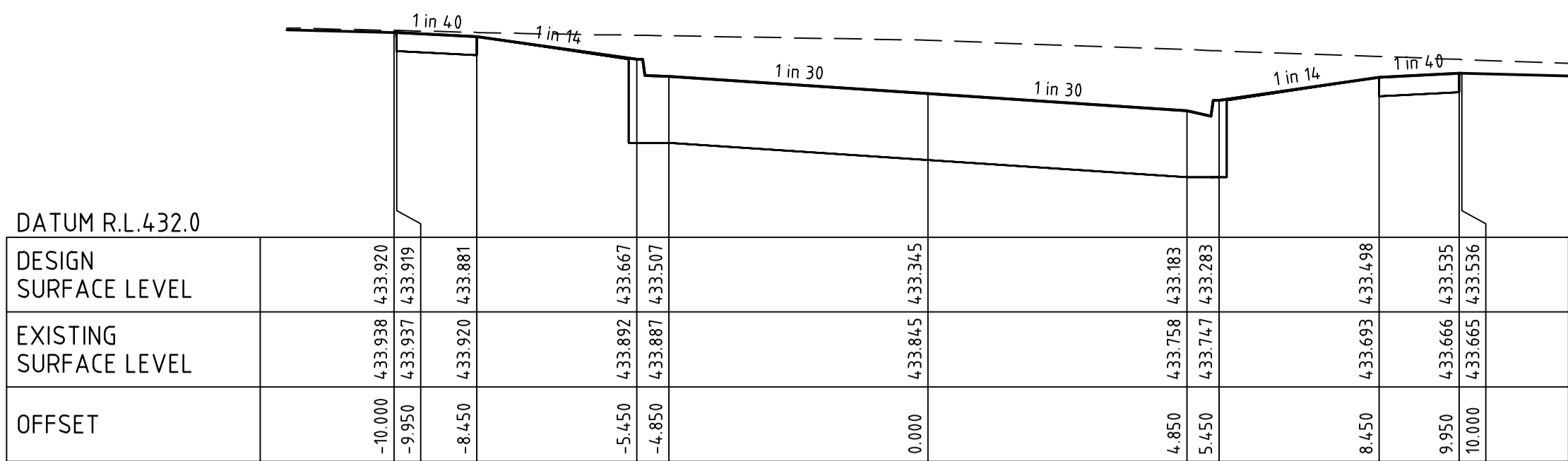
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**CONROY'S GREEN**  
STAGE 1  
ROAD AND DRAINAGE  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

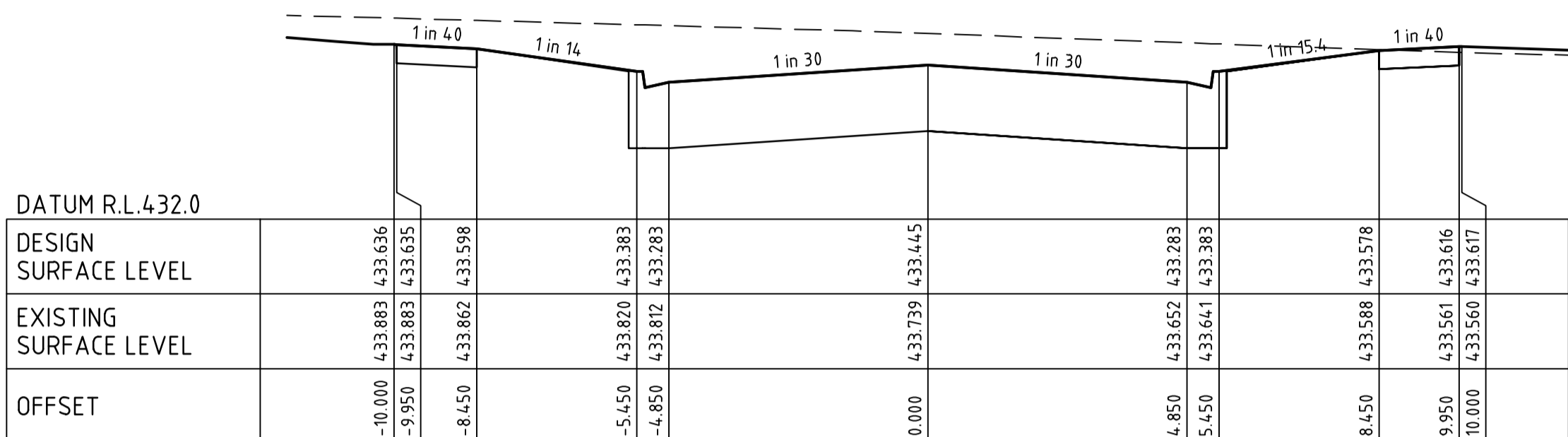
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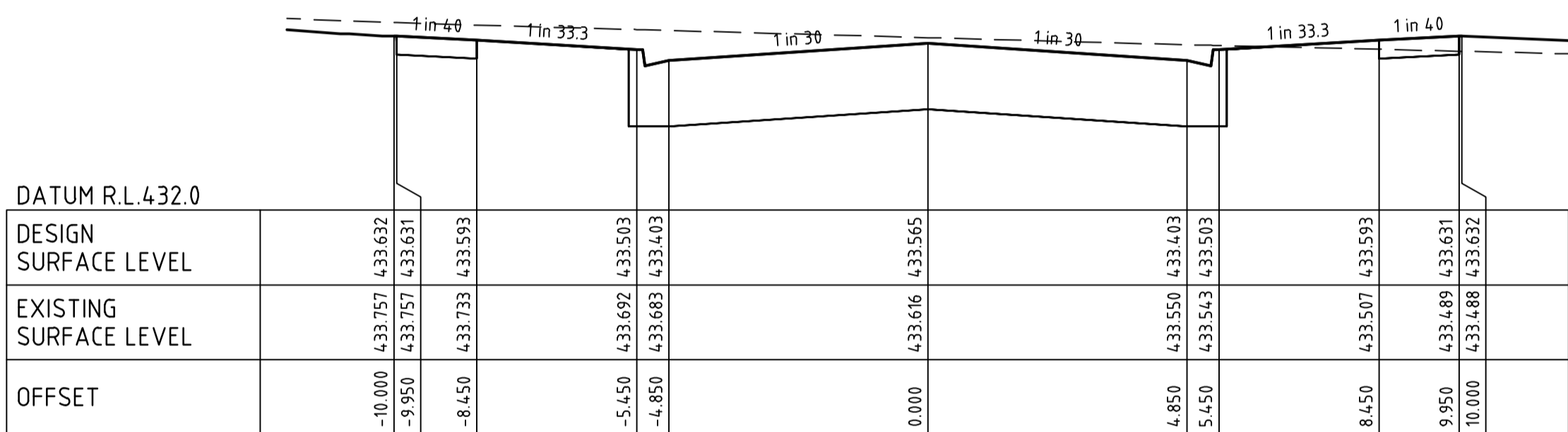




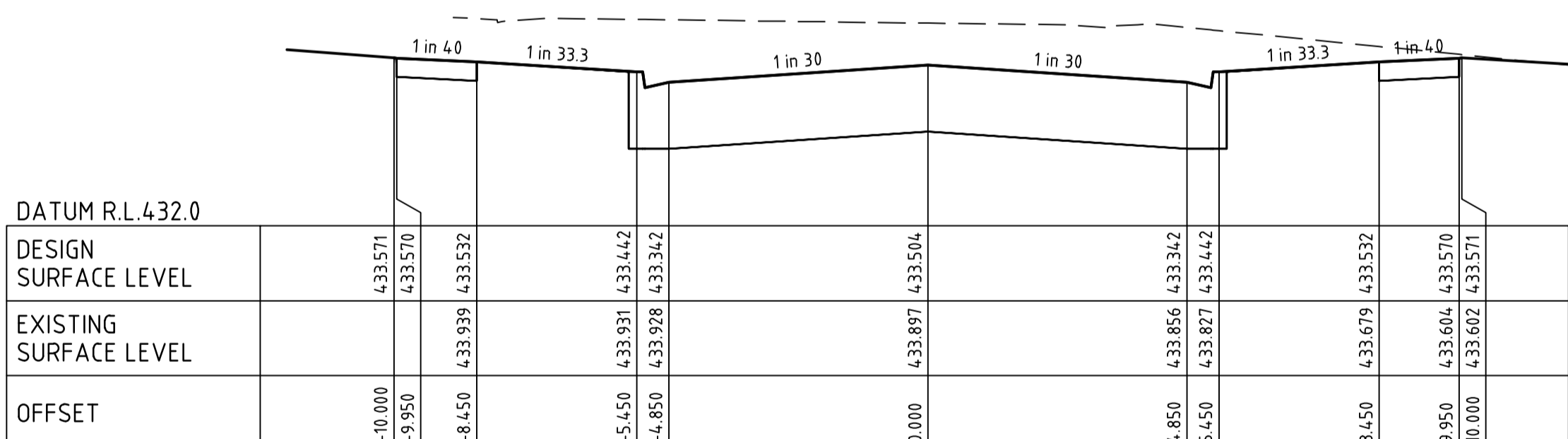
WEDGETAIL DRIVE CH 126.56



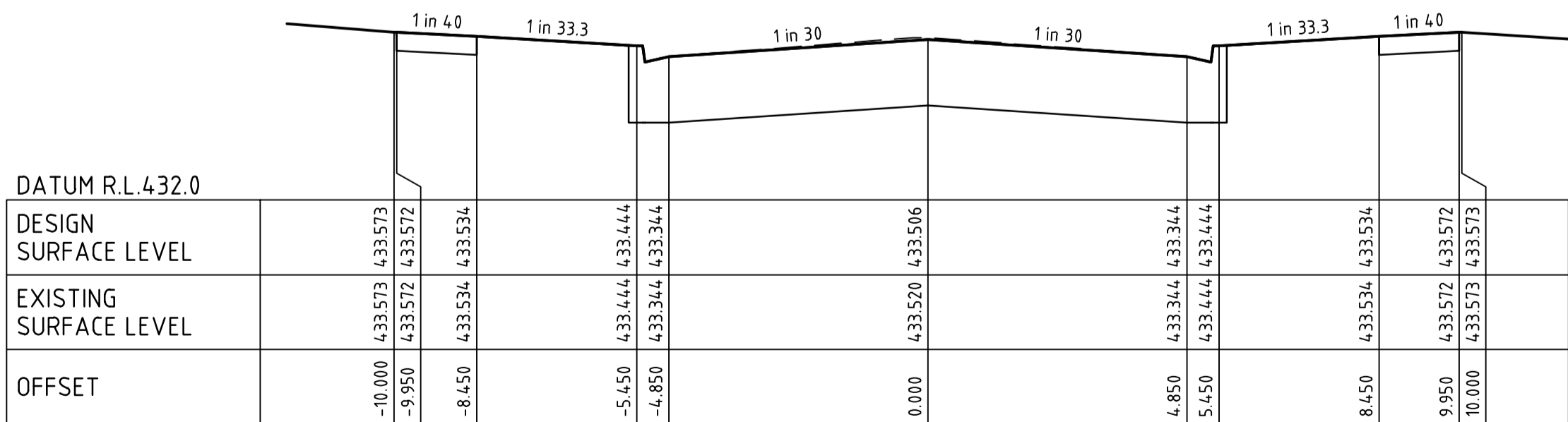
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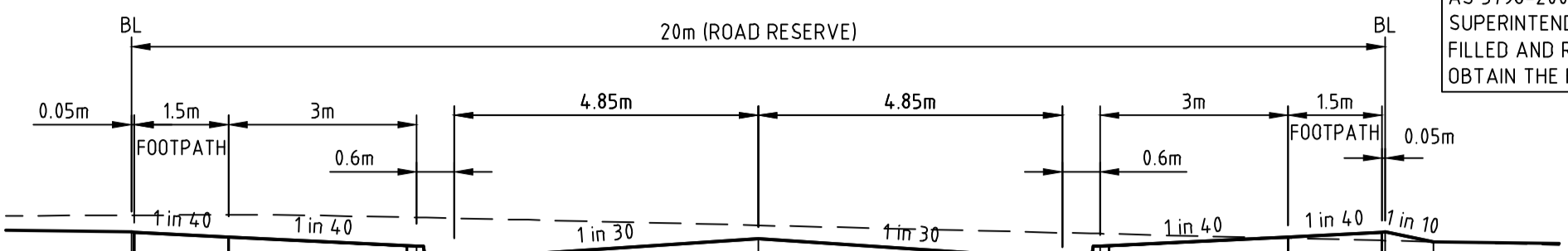
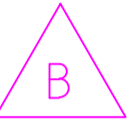
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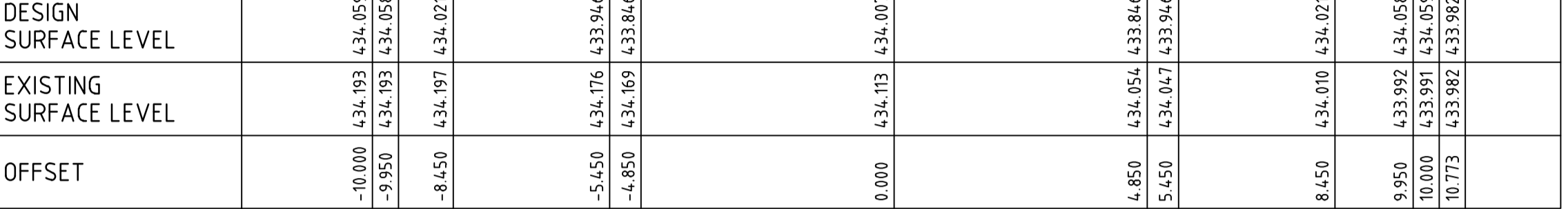
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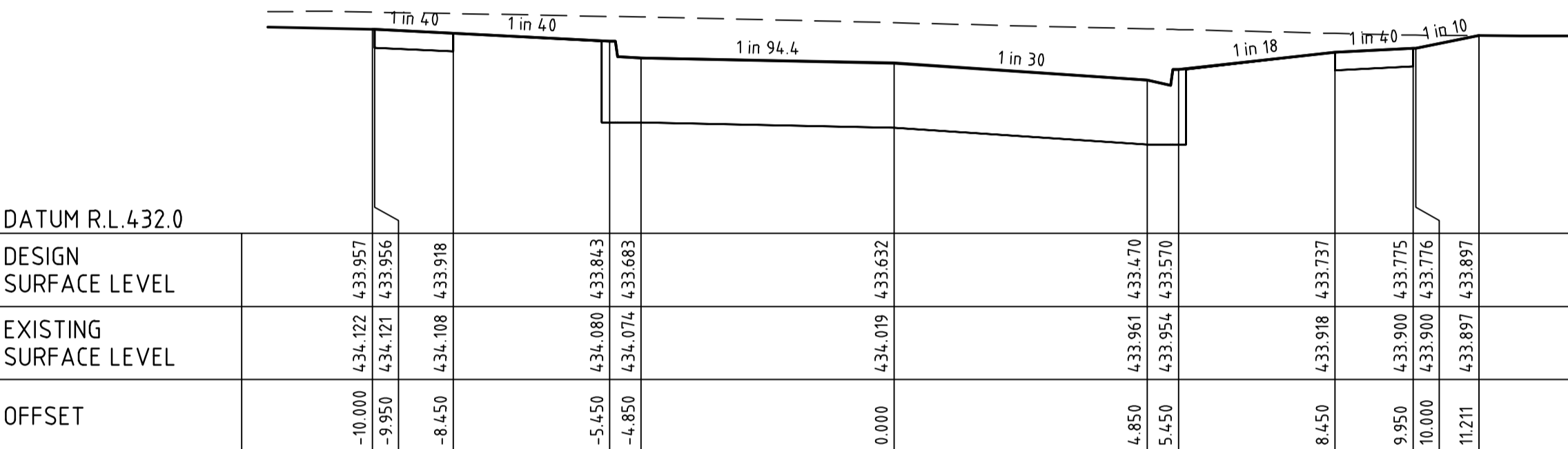
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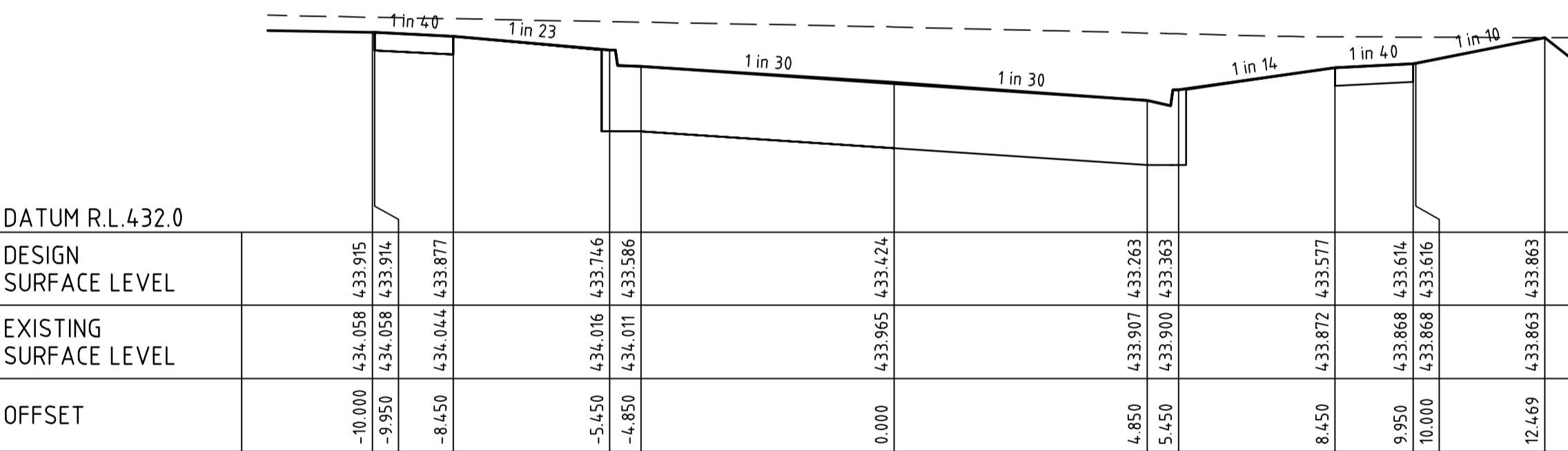
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WEDGETAIL DRIVE CH 195.00



WEDGETAIL DRIVE CH 187.01

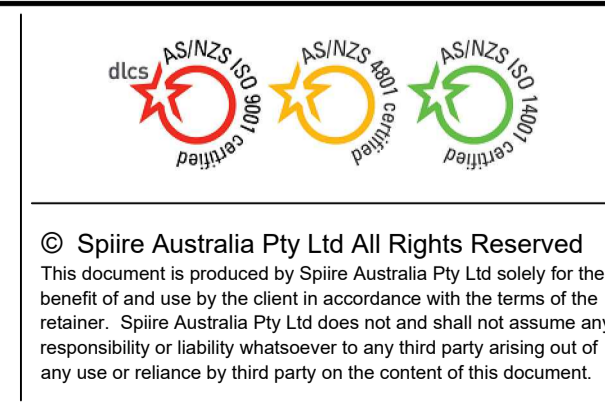
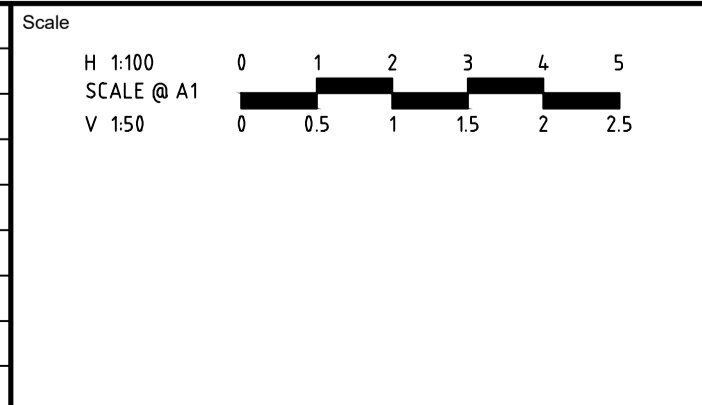


WEDGETAIL DRIVE CH 163.01

**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.

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Rev	Description	Approved	Date
B	AMENDED CROSS SECTIONS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20
	Amendments		



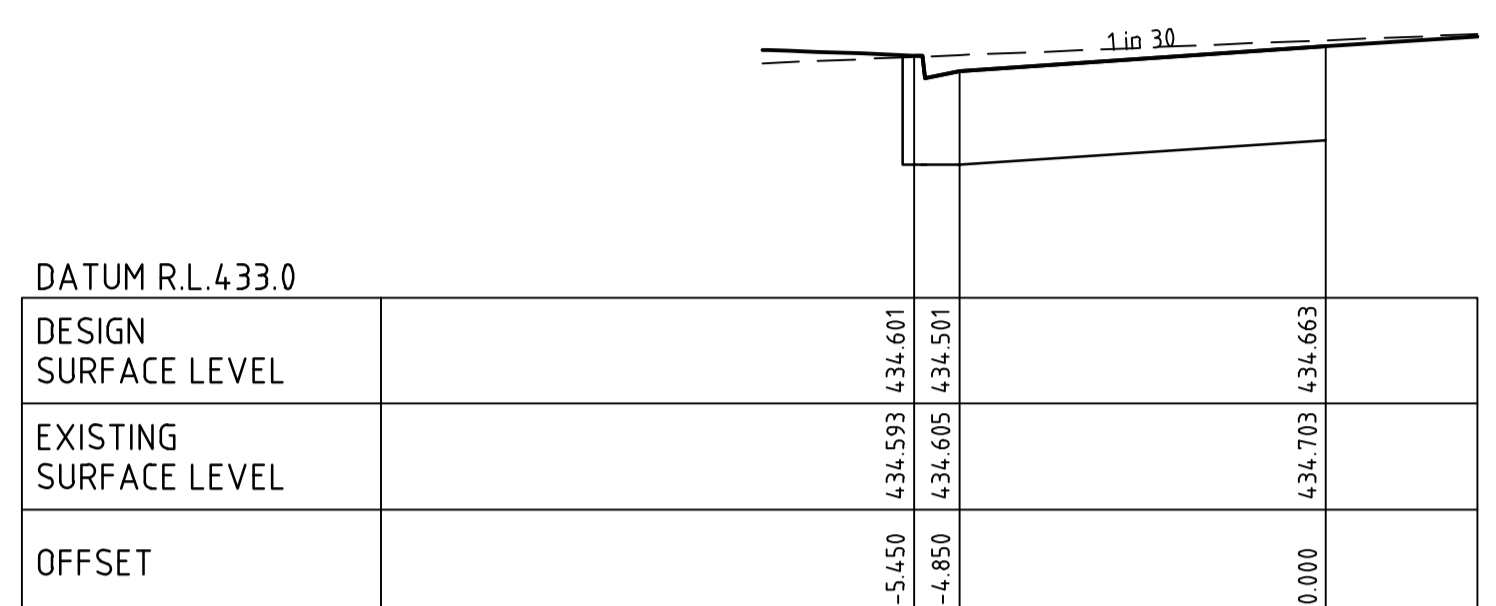
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Authorised <b>A.WILKIE</b>	Date 25/11/20

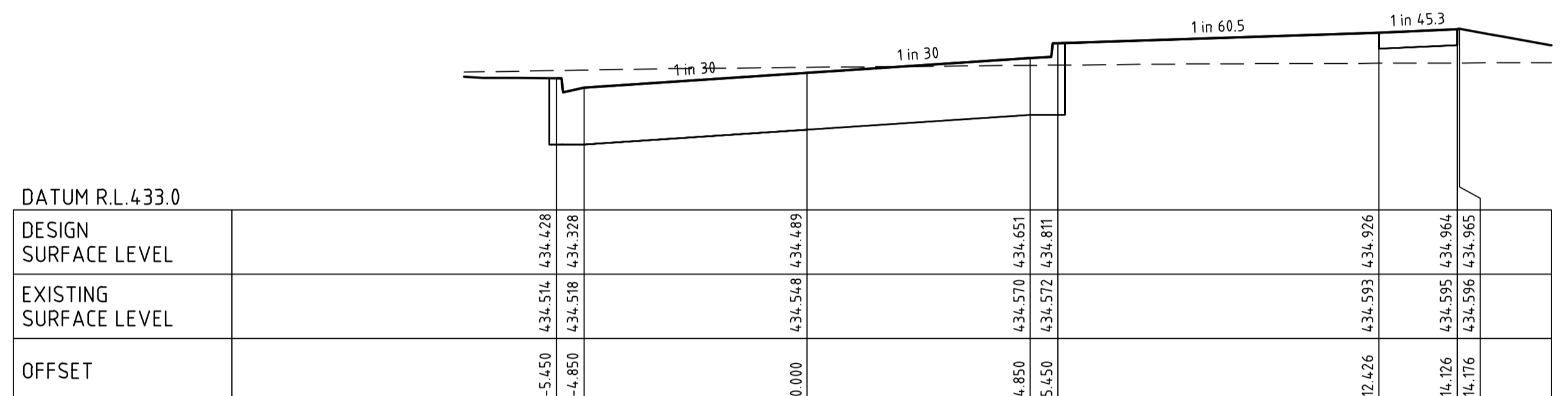
**CONROY'S GREEN  
 STAGE 1  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 1  
 CITY OF BALLARAT  
 SAN HUBERTO PROPERTY**

**PRELIMINARY** Drg No **308244CR400** Rev **B**

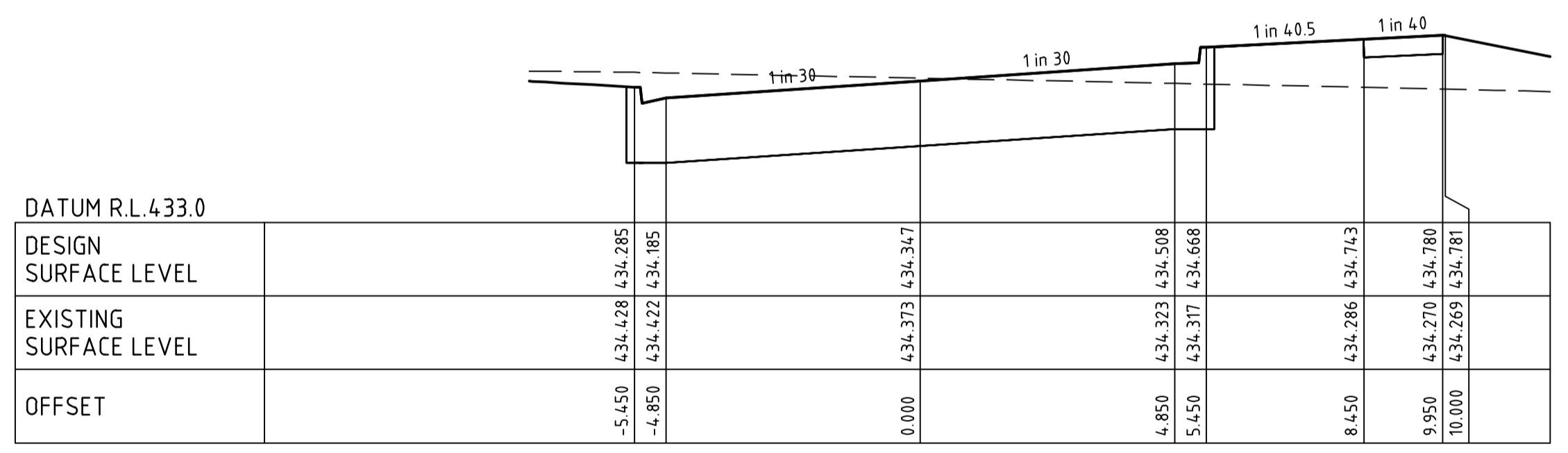
**FILLING NOTE**  
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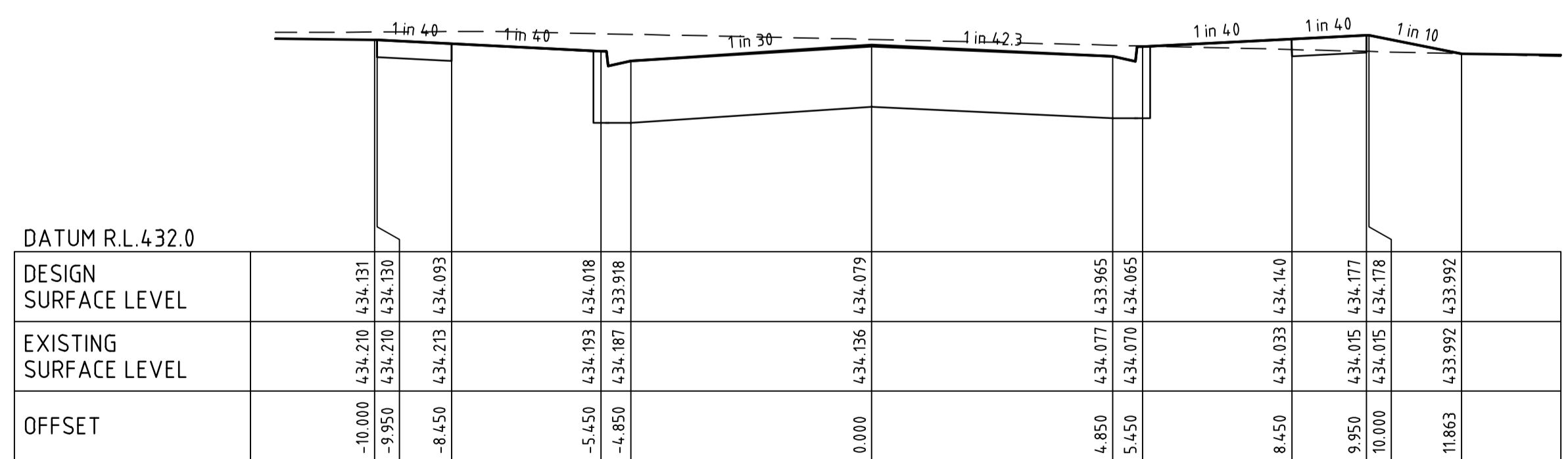
WEDGETAIL DRIVE CH 260.58



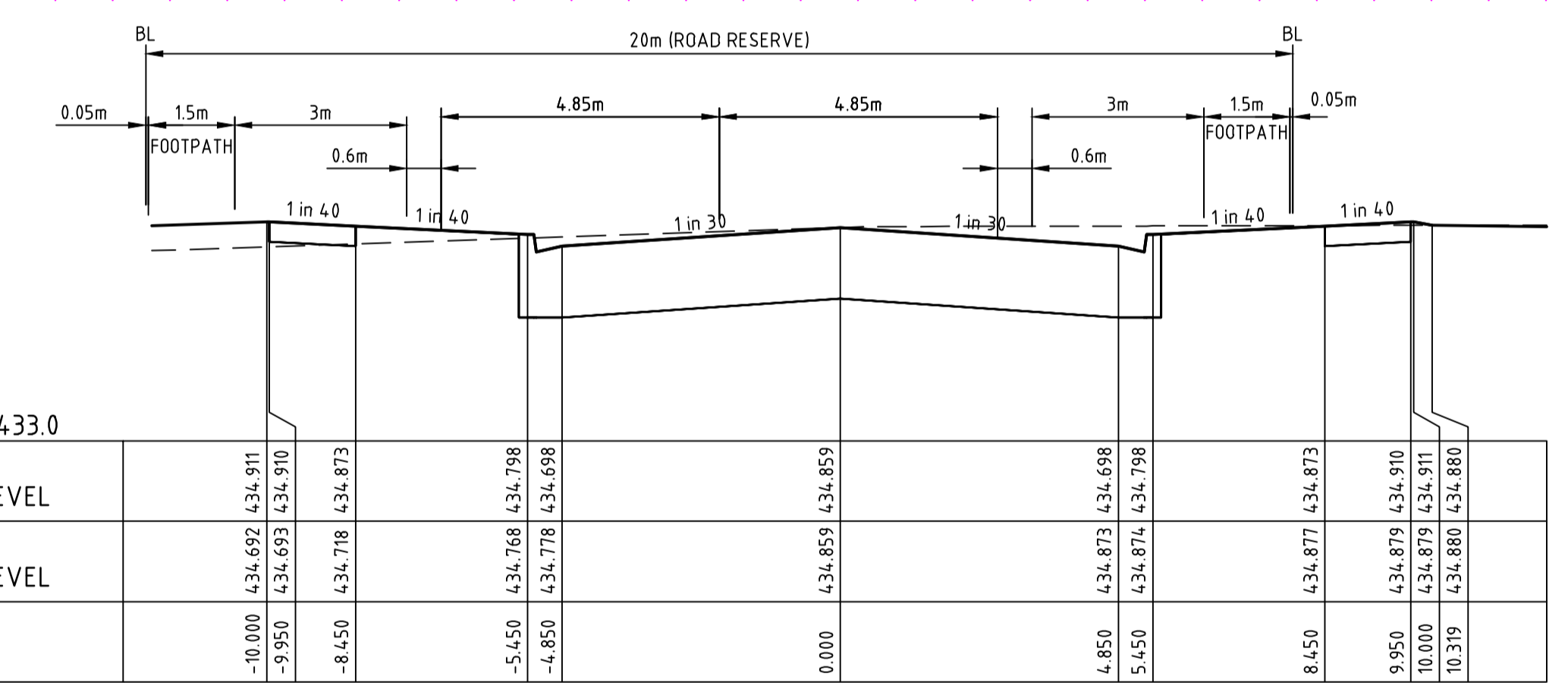
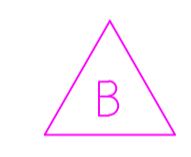
WEDGETAIL DRIVE CH 249.35



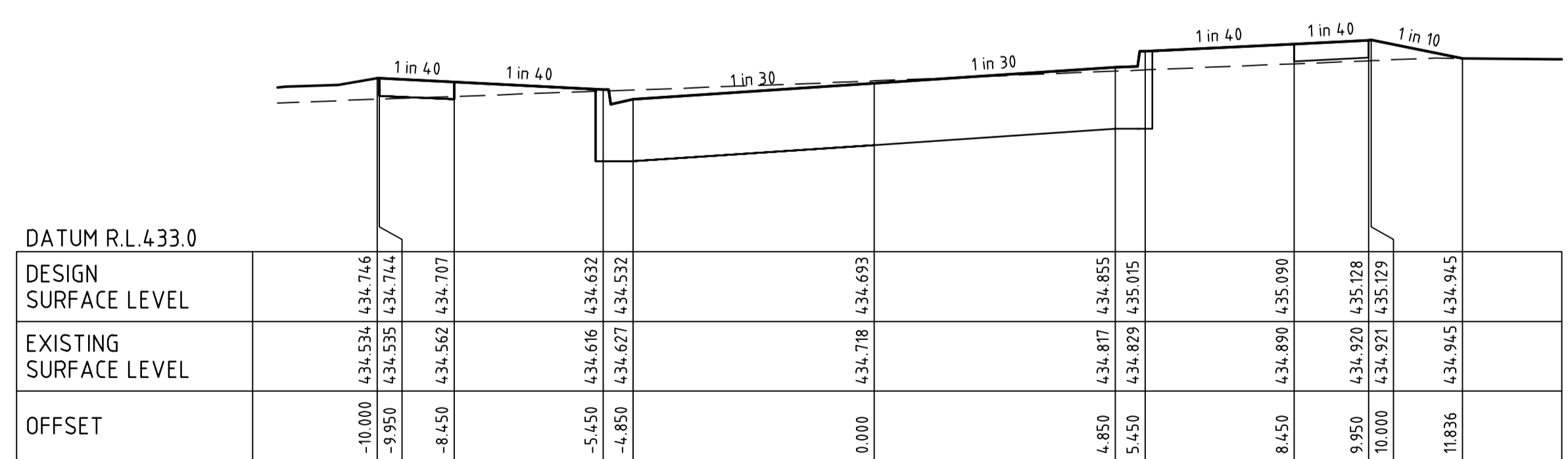
WEDGETAIL DRIVE CH 24.181



WEDGETAIL DRIVE CH 215.00



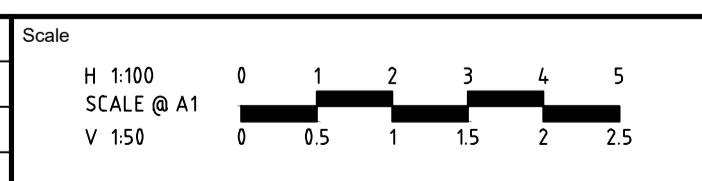
WEDGETAIL DRIVE CH 294.83



WEDGETAIL DRIVE CH 263.67

file name: 308244CR400.dwg, layout name: CR401, plotted by: Jordan Oherthy, file location: G:\308244\1\DWG\CAD\plot\_date: 11/12/2020 10:59 AM, sheet: 7 of 18 Sheets

Rev	Description	Approved	Date
B	AMENDED CROSS SECTIONS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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Authorised A. WILKIE	Date 25/11/20

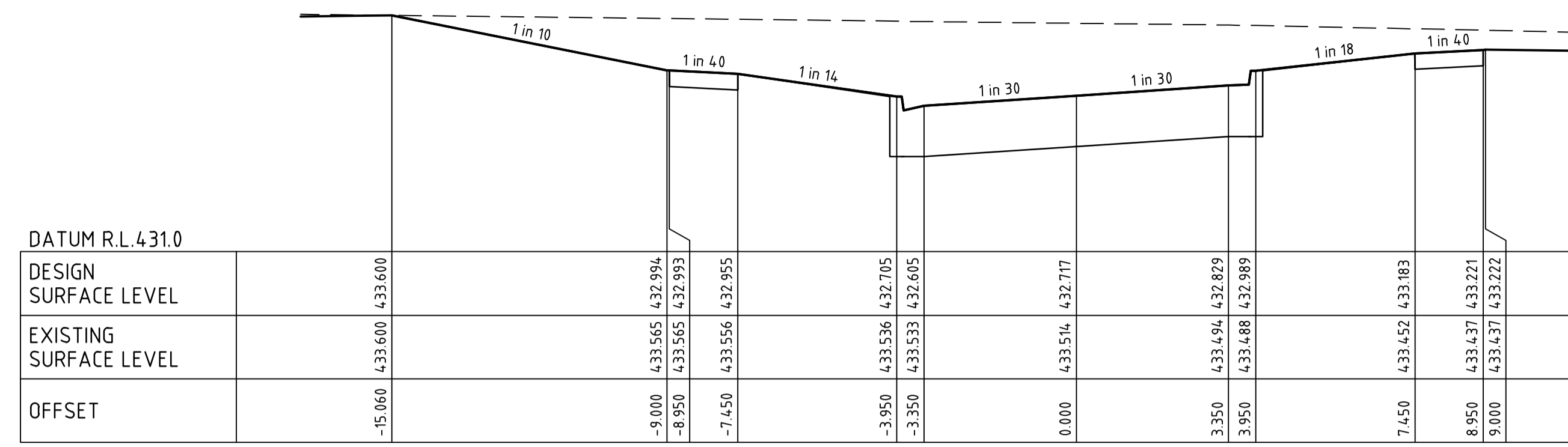
**CONROY'S GREEN**  
**STAGE 1**  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 2  
 CITY OF BALLARAT  
 SAN HUBERTO PROPERTY

**PRELIMINARY** Dwg No: 308244CR401 Rev: B

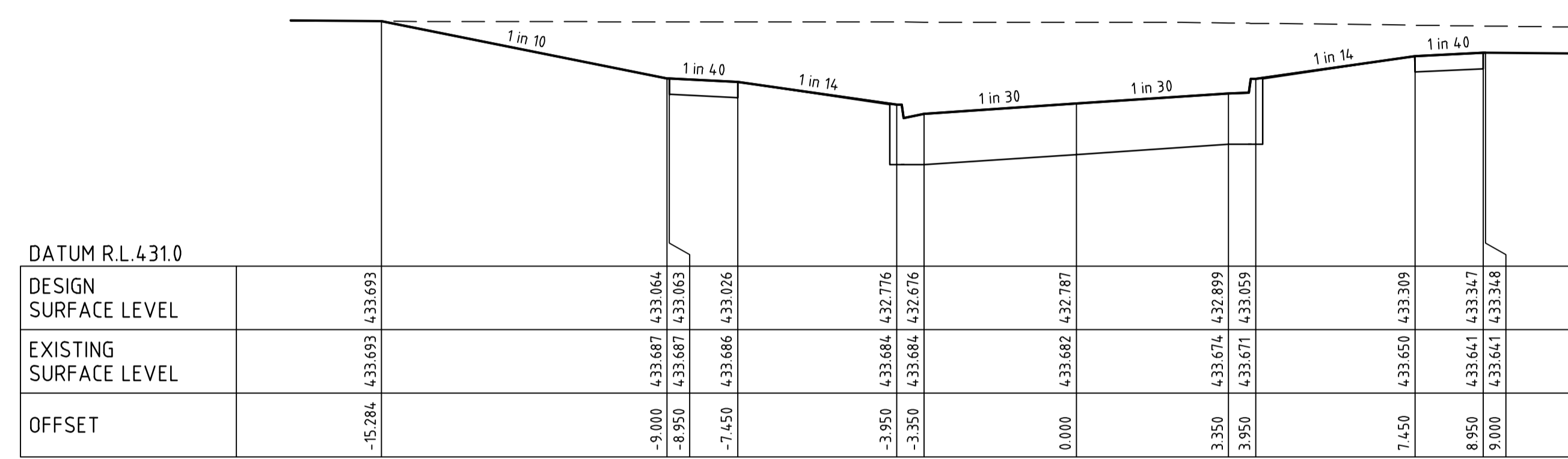


B

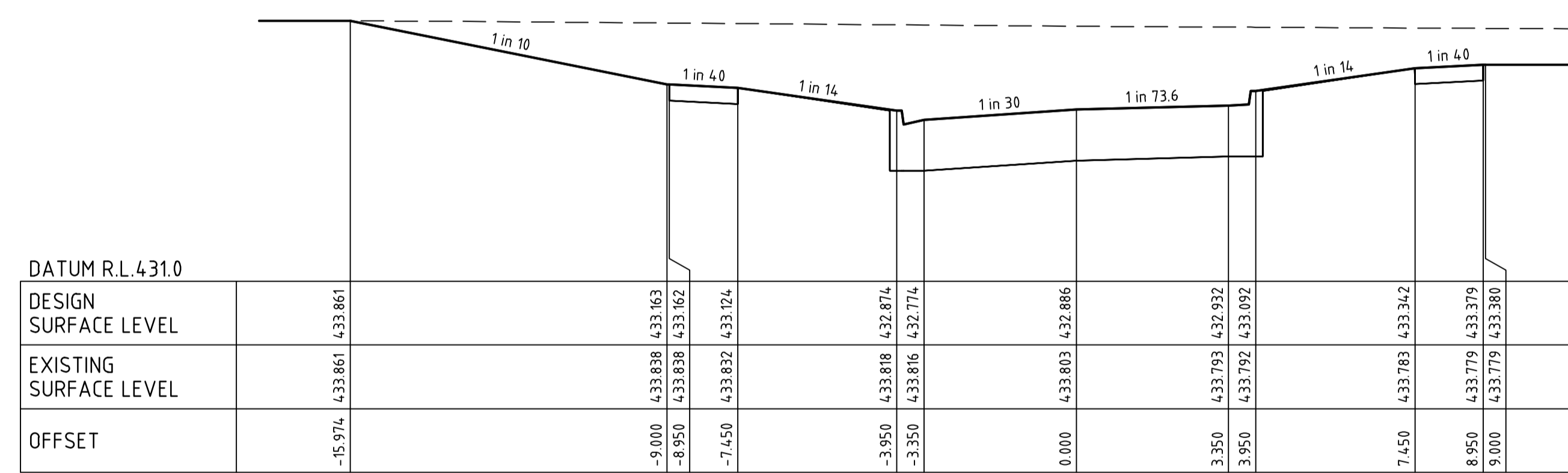
**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO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



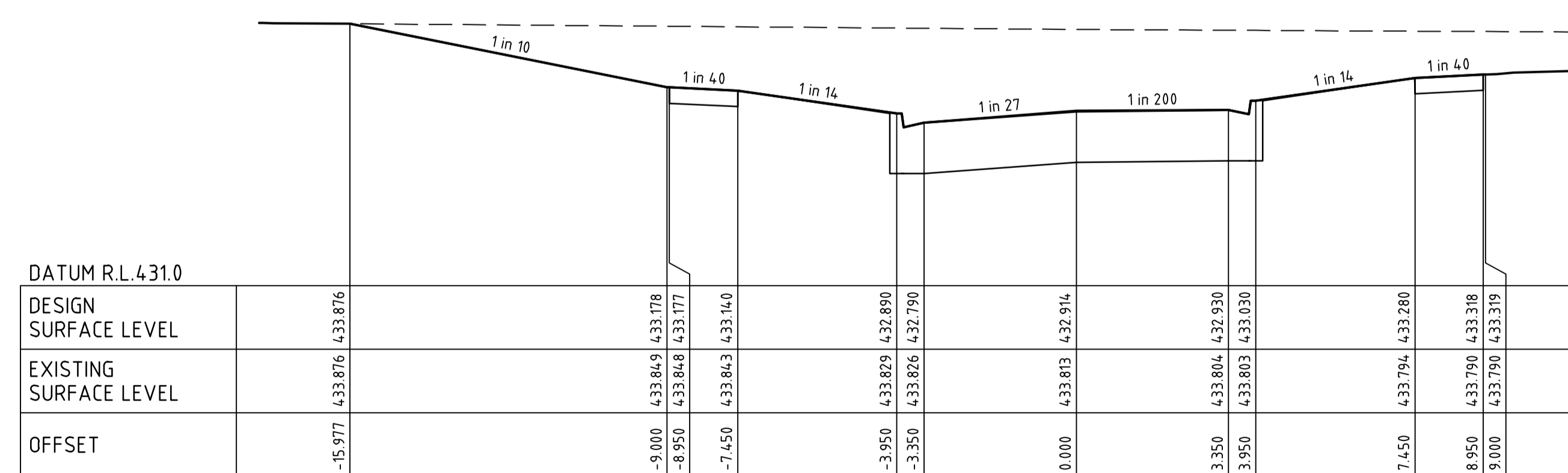
BROLGA BOULEVARD CH 51.83



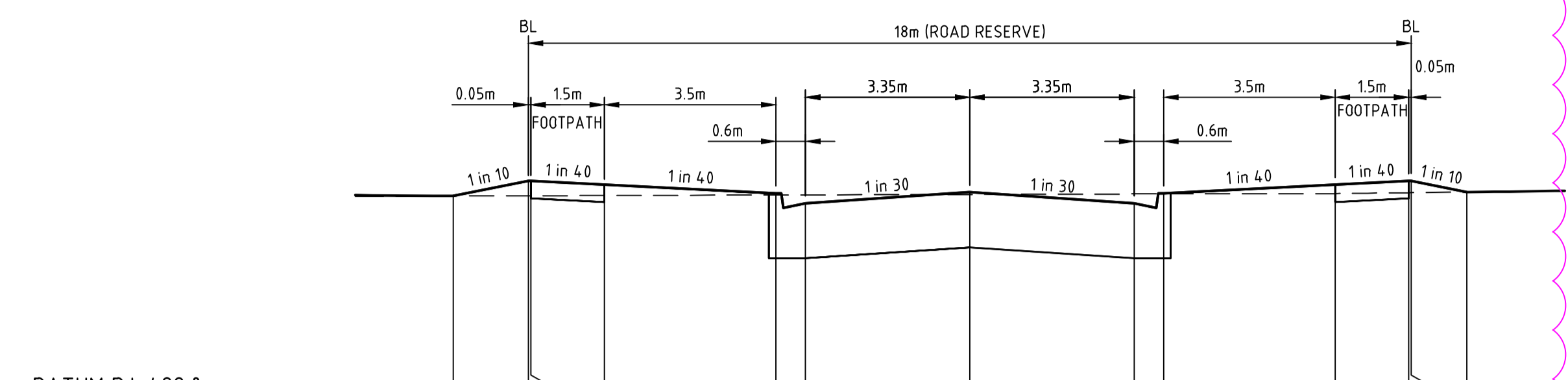
BROLGA BOULEVARD CH 37.75



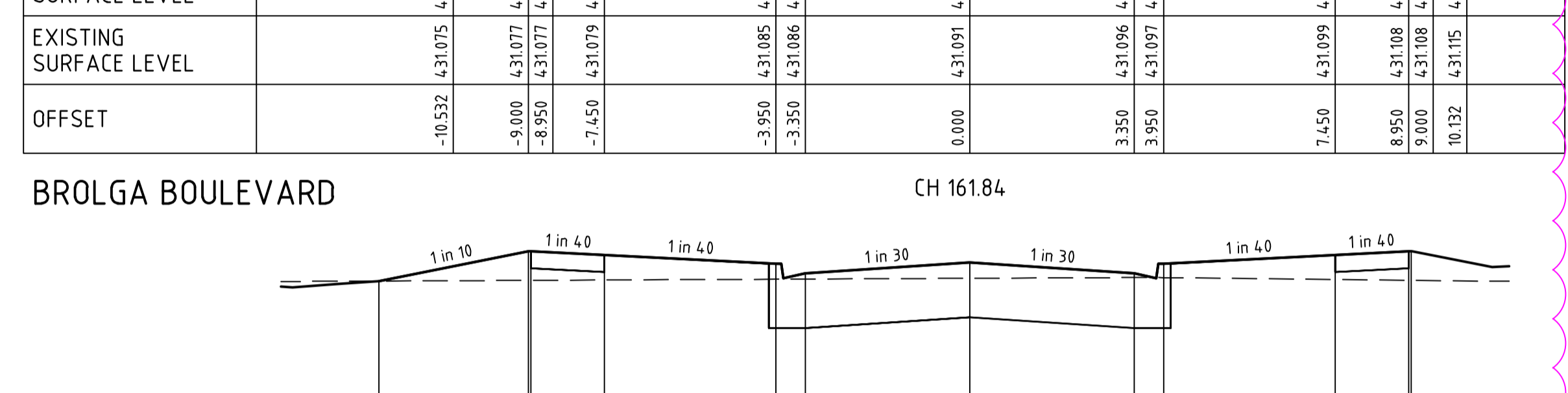
BROLGA BOULEVARD CH 18.00



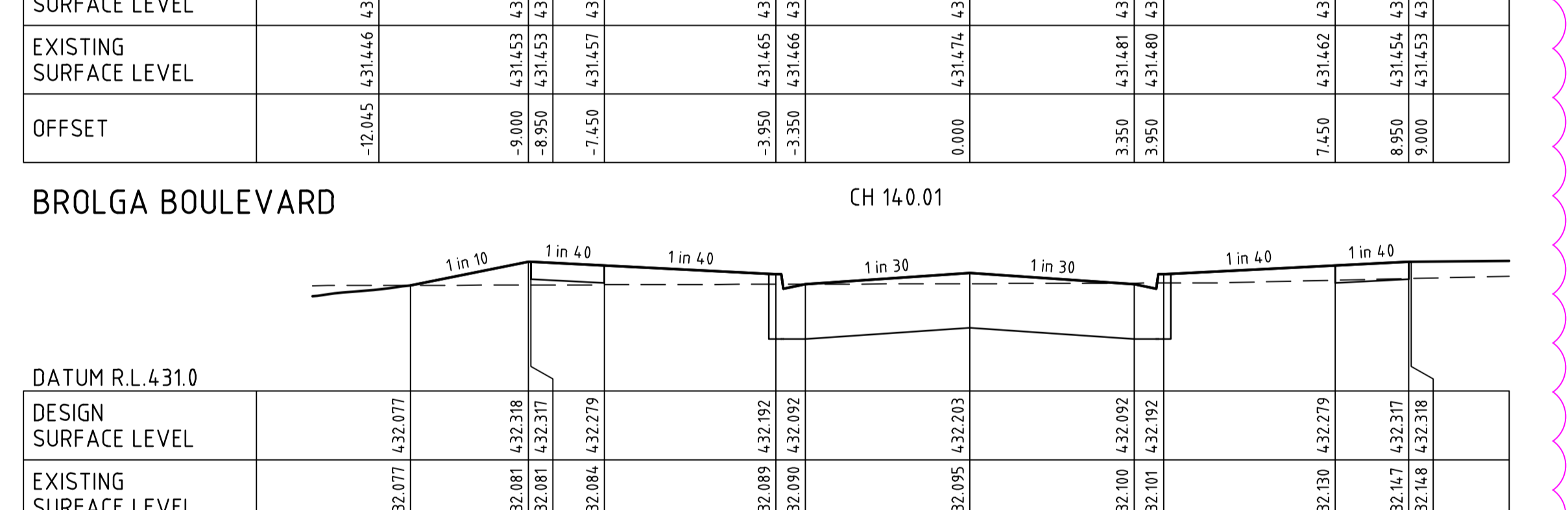
BROLGA BOULEVARD CH 13.45



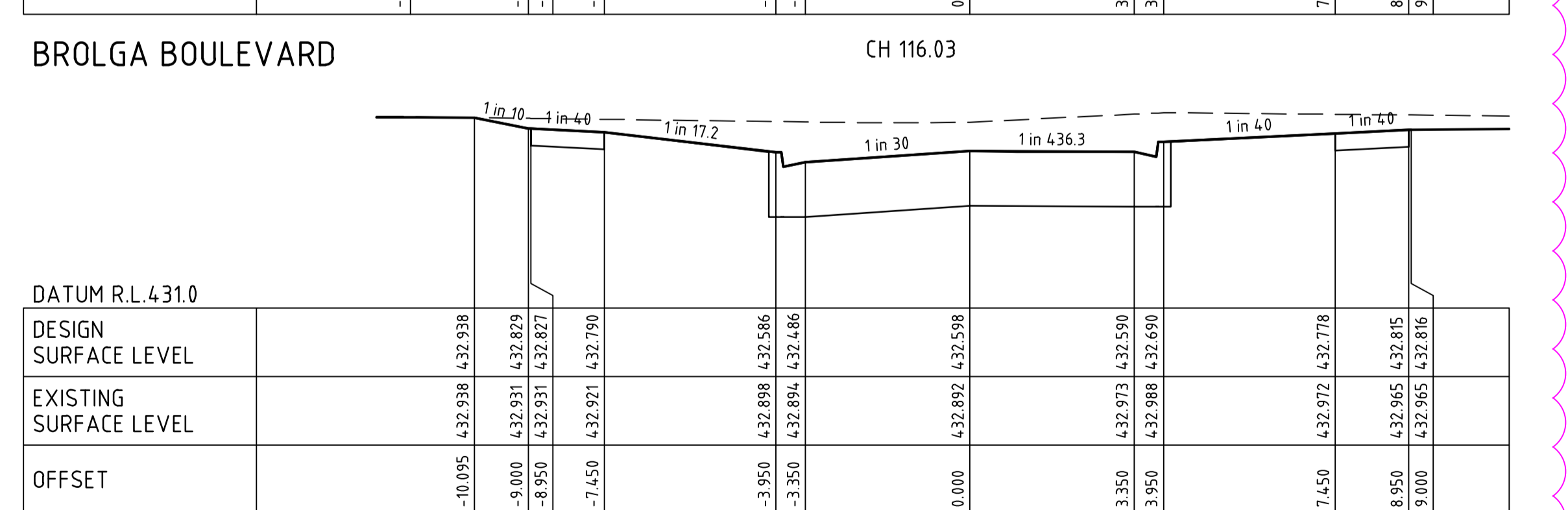
BROLGA BOULEVARD CH 161.84



BROLGA BOULEVARD CH 140.01



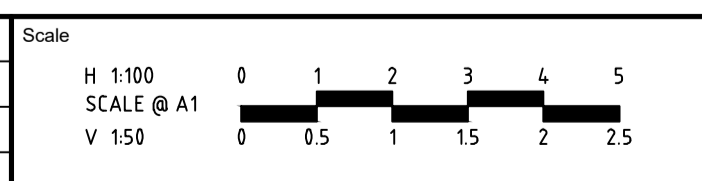
BROLGA BOULEVARD CH 116.03



BROLGA BOULEVARD CH 75.69

file name: 308244CR040.dwg, layout name: CR040, plotted by: Jordan Doherty, file location: G:\308244\308244\Level\ALAD\plot.dwg, 11/12/2020 10:59 AM, sheet 8 of 18 sheets

Rev	Amendments	Approved	Date
B	AMENDED CROSS SECTIONS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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Designed  
**J. DOHERTY**

Authorised  
**A. WILKIE**

Checked  
**B. IBBS**

Date  
 25/11/20

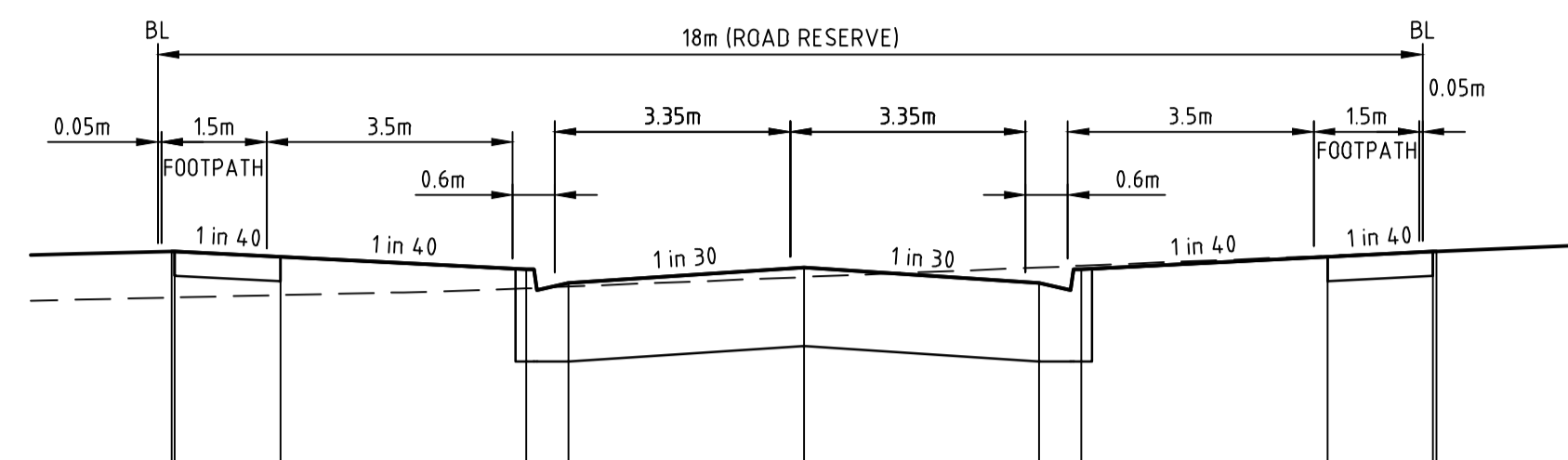
**CONROY'S GREEN**  
**STAGE 1**  
**ROAD AND DRAINAGE**  
**CITY CROSS SECTIONS - SHEET 3**  
 CITY OF BALLARAT  
 SAN HUBERTO PROPERTY

**PRELIMINARY** Dwg No **308244CR402** Rev **B**



file name: 30824CR040.dwg, layout name: CR040, plotted by: Jordan Doherty, file location: G:\30824\30824\1\civil\A\CR040.dwg, plot date: 11/12/2020 10:59 AM, sheet: 9 of 18 sheets

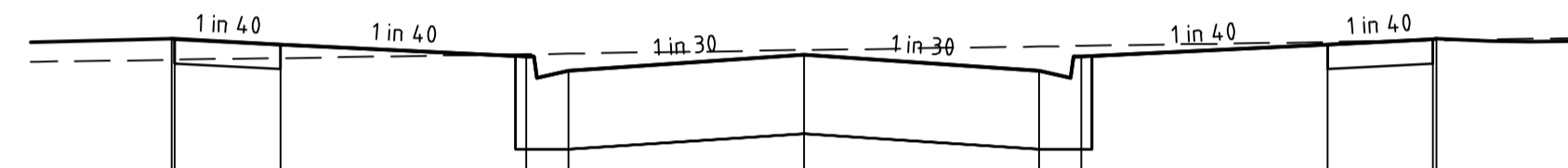
B



DATUM R.L. 430.0	
DESIGN SURFACE LEVEL	-9.000 431.885 432.215 -8.950 431.885 432.214 -7.450 431.902 432.176
EXISTING SURFACE LEVEL	-3.950 431.952 432.089 -3.350 431.964 431.989
OFFSET	0.000 432.032 432.100 3.350 432.100 431.989 3.950 432.112 432.089 7.450 432.183 432.176 8.950 432.214 432.214 9.000 432.215 432.215

WARBLER COURT

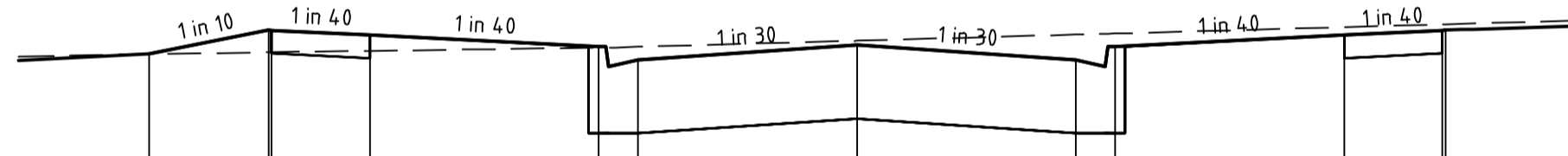
CH 89.31



DATUM R.L. 430.0	
DESIGN SURFACE LEVEL	-9.000 431.386 431.535 -8.950 431.386 431.534 -7.450 431.398 431.496
EXISTING SURFACE LEVEL	-3.950 431.425 431.409 -3.350 431.429 431.309
OFFSET	0.000 431.455 431.420 3.350 431.481 431.309 3.950 431.485 431.409 7.450 431.512 431.496 8.950 431.524 431.534 9.000 431.524 431.535

WARBLER COURT

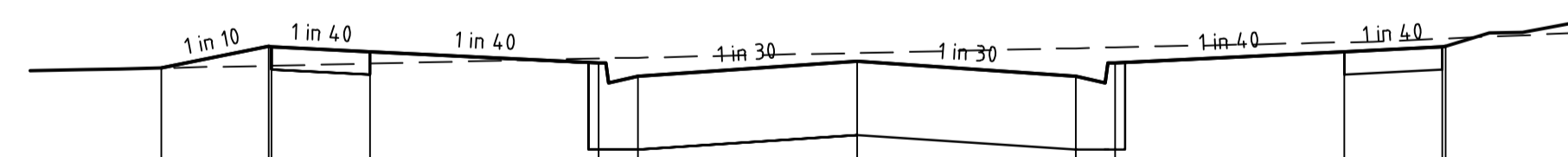
CH 57.08



DATUM R.L. 430.0	
DESIGN SURFACE LEVEL	-10.823 431.269 431.269 -9.000 431.282 431.451 -8.950 431.283 431.450 -7.450 431.293 431.413
EXISTING SURFACE LEVEL	-3.950 431.317 431.325 -3.350 431.324 431.225
OFFSET	0.000 431.371 431.337 3.350 431.417 431.225 3.950 431.426 431.325 7.450 431.474 431.413 8.950 431.495 431.450 9.000 431.496 431.451

WARBLER COURT

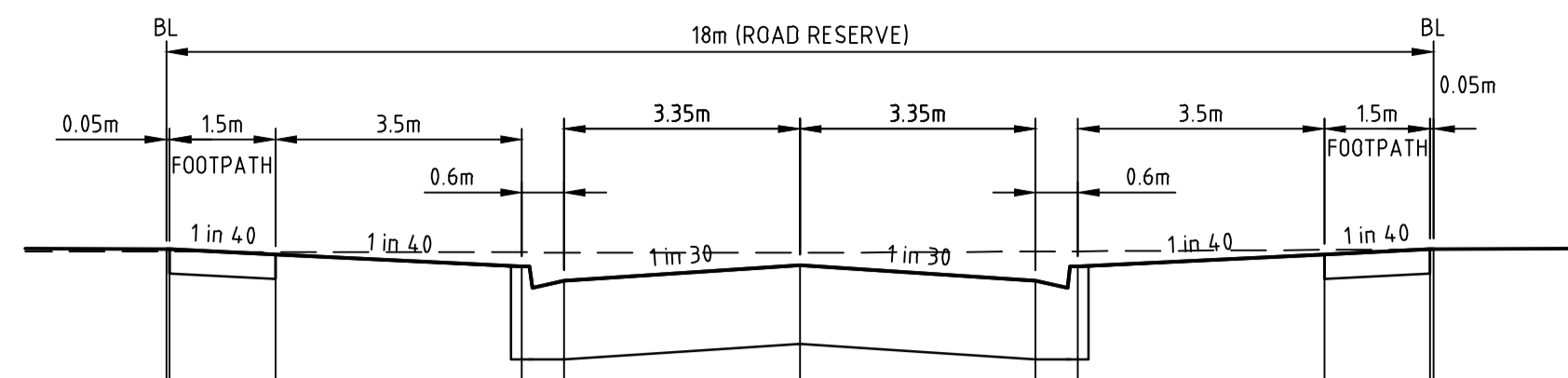
CH 40.38



DATUM R.L. 430.0	
DESIGN SURFACE LEVEL	-10.641 431.144 431.144 -9.000 431.162 431.308 -8.950 431.162 431.307 -7.450 431.179 431.270
EXISTING SURFACE LEVEL	-3.950 431.216 431.182 -3.350 431.223 431.082
OFFSET	0.000 431.259 431.194 3.350 431.295 431.082 3.950 431.302 431.182 7.450 431.340 431.270 8.950 431.368 431.307 9.000 431.369 431.308

WARBLER COURT

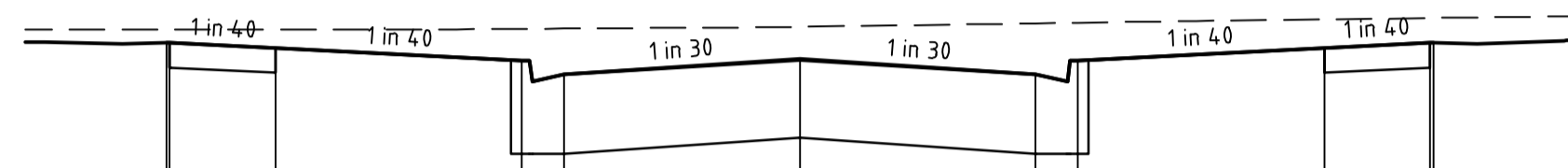
CH 11.53



DATUM R.L. 433.0	
DESIGN SURFACE LEVEL	-8.000 434.469 434.489 -8.950 434.469 434.487 -7.450 434.467 434.450
EXISTING SURFACE LEVEL	-3.950 434.464 434.362 -3.350 434.463 434.262
OFFSET	0.000 434.461 434.374 3.350 434.470 434.262 3.950 434.472 434.362 7.450 434.482 434.450 8.950 434.487 434.487 9.000 434.487 434.489

KITE STREET

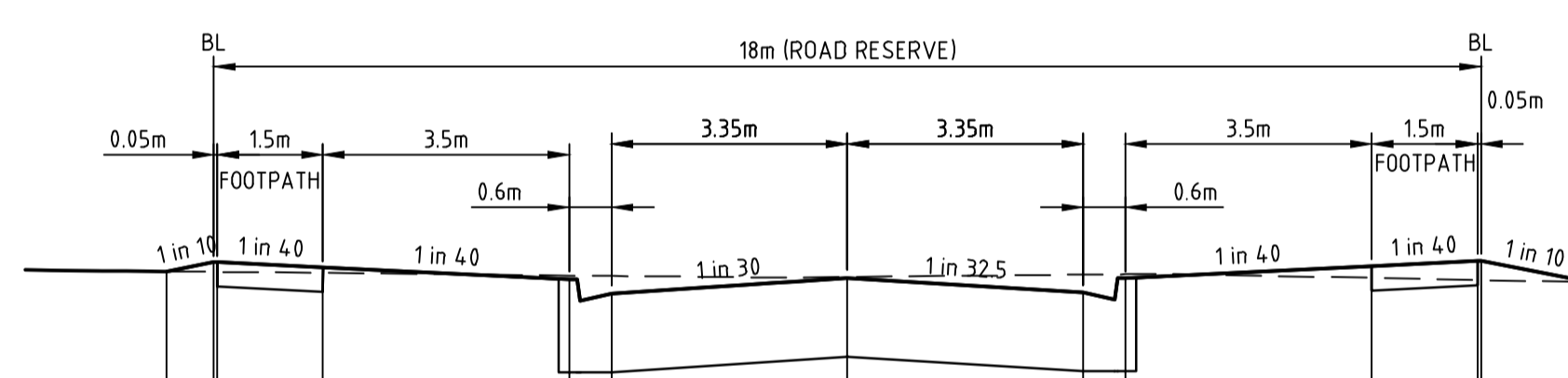
CH 46.20



DATUM R.L. 432.0	
DESIGN SURFACE LEVEL	-9.000 433.823 433.730 -8.950 433.823 433.729 -7.450 433.824 433.692
EXISTING SURFACE LEVEL	-3.950 433.828 433.604 -3.350 433.830 433.504
OFFSET	0.000 433.842 433.616 3.350 433.867 433.504 3.950 433.871 433.604 7.450 433.895 433.692 8.950 433.905 433.729 9.000 433.905 433.730

KITE STREET

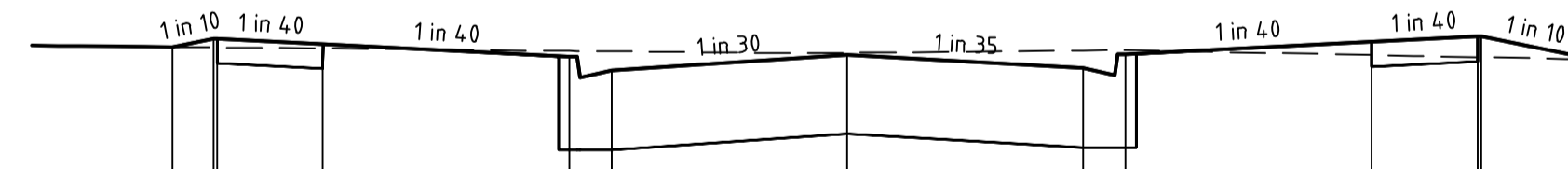
CH 13.45



DATUM R.L. 433.0	
DESIGN SURFACE LEVEL	-9.675 434.922 434.922 -9.000 434.919 434.990 -8.950 434.919 434.989 -7.450 434.911 434.951
EXISTING SURFACE LEVEL	-3.950 434.893 434.864 -3.350 434.890 434.764
OFFSET	0.000 434.882 434.875 3.350 434.899 434.772 3.950 434.902 434.872 7.450 434.876 434.960 8.950 434.861 434.997 9.000 434.861 434.999 10.434 434.847 434.855

GOLDFINCH ROAD

CH 21.02



DATUM R.L. 433.0	
DESIGN SURFACE LEVEL	-9.588 434.925 434.925 -9.000 434.922 434.984 -8.950 434.922 434.983 -7.450 434.915 434.945
EXISTING SURFACE LEVEL	-3.950 434.897 434.858 -3.350 434.894 434.758
OFFSET	0.000 434.883 434.870 3.350 434.899 434.774 3.950 434.902 434.874 7.450 434.868 434.961 8.950 434.853 434.999 9.000 434.853 434.999 10.460 434.838 434.854

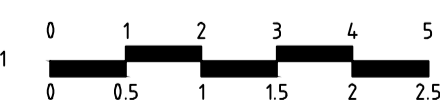
GOLDFINCH ROAD

CH 19.74

**FILLING NOTE**  
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Scale

H 1:100  
SCALE @ A1  
V 1:50



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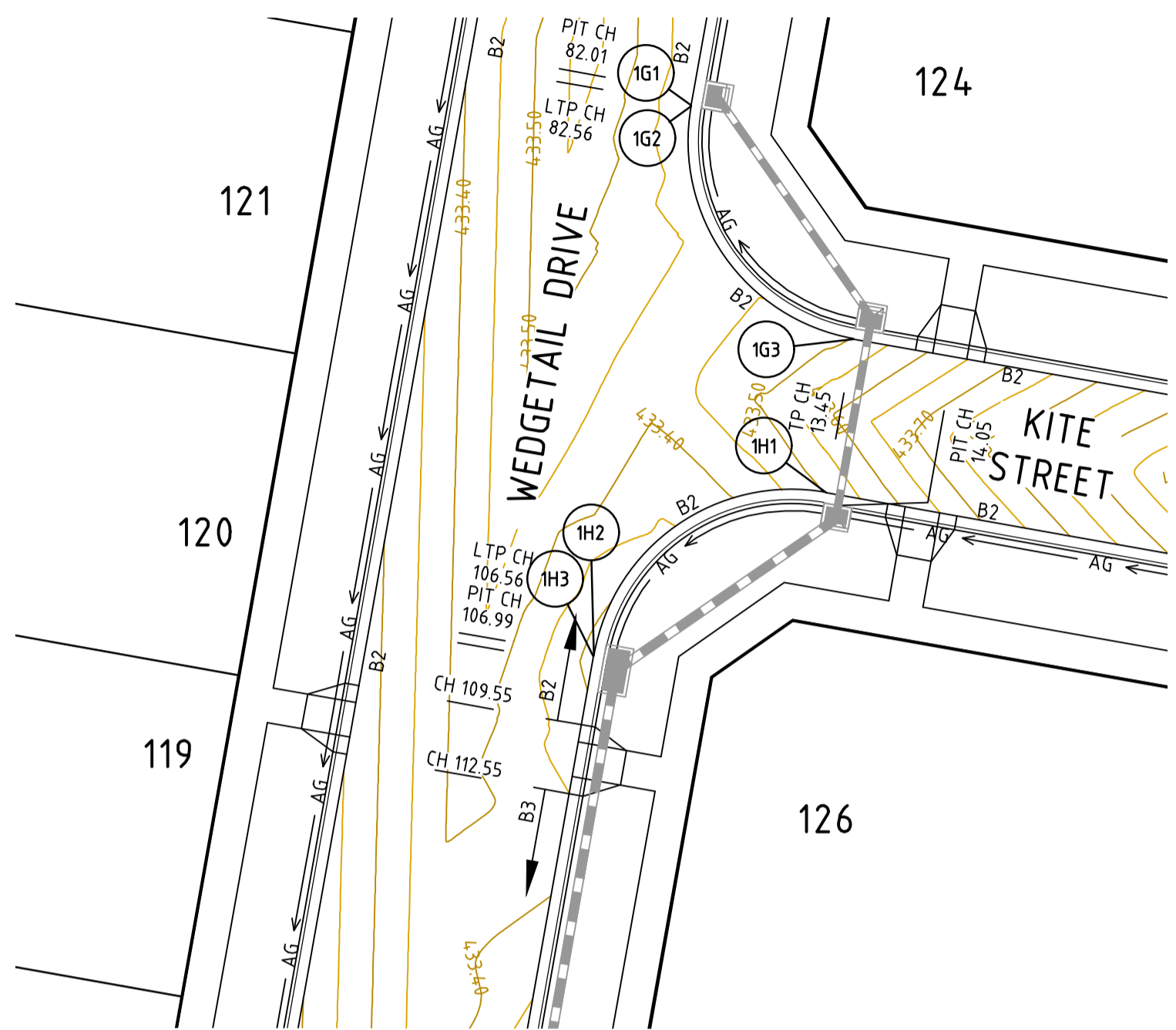
Designed  
J. DOHERTY  
Authorised  
A. WILKIE

Checked  
B. IBBS  
Date  
25/11/20

**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
CROSS SECTIONS - SHEET 4**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Drg No 30824CR403 Rev B





WEDGETAIL DRIVE AND KITE STREET  
LIP OF KERB 1G & 1H

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 432.0

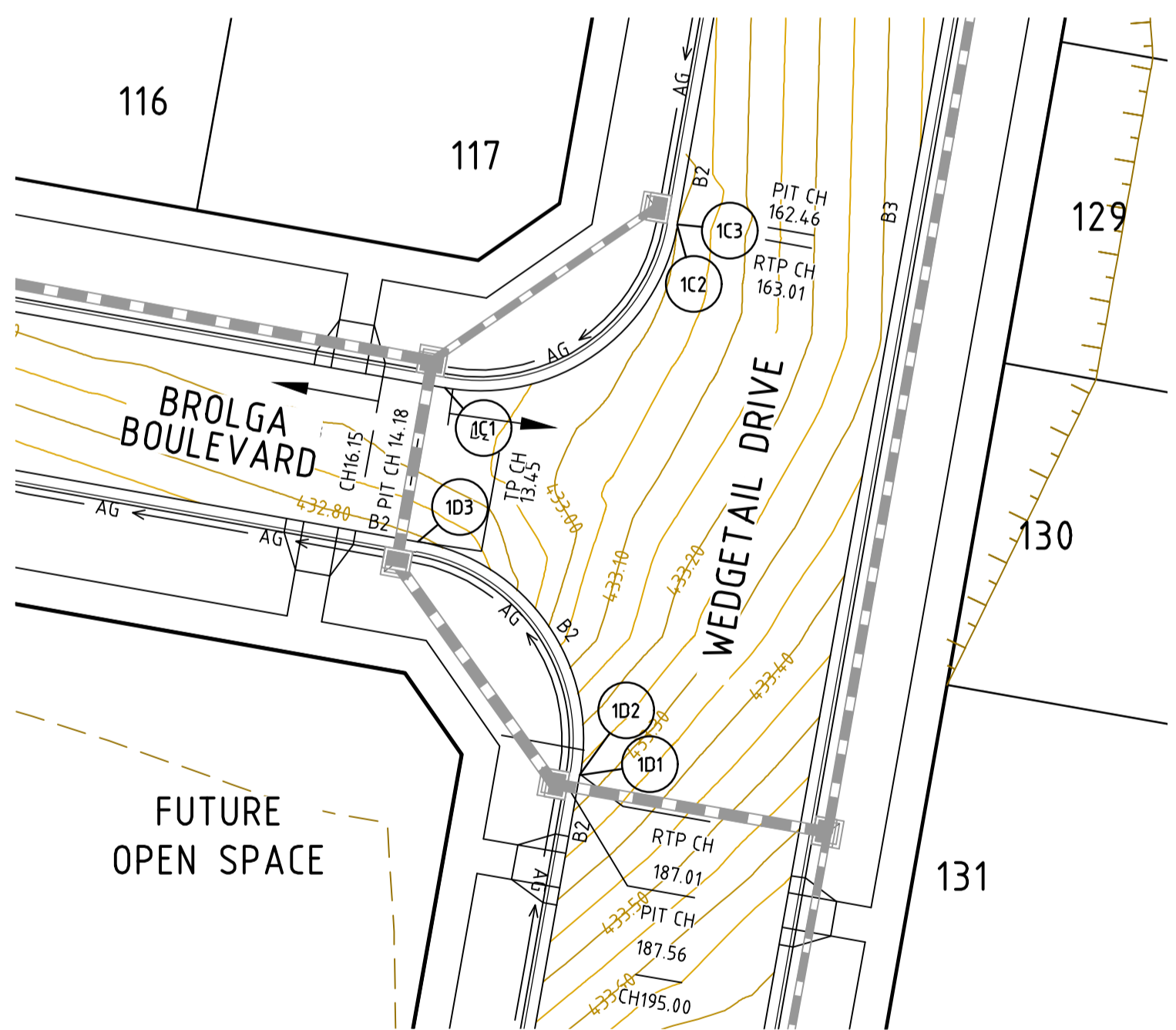
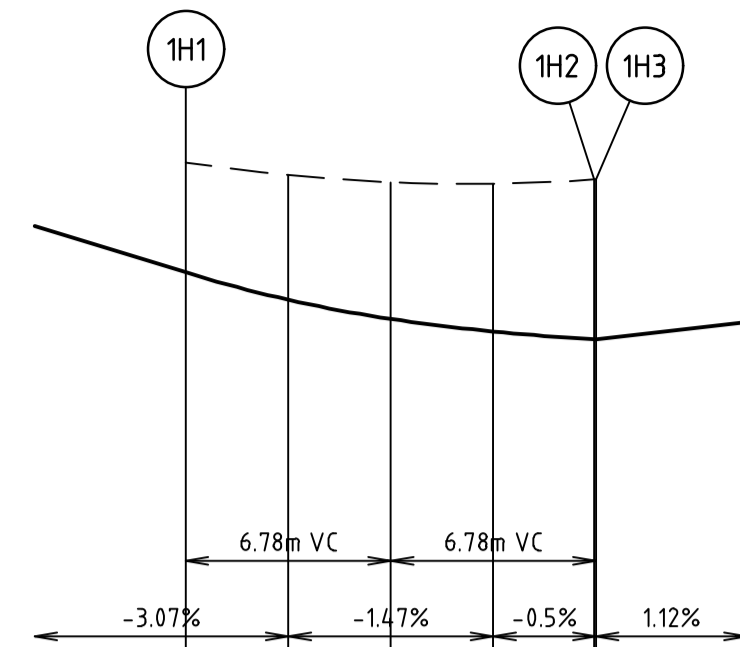
DESIGN LEVEL	0.000	433.504	433.414	433.350	433.309	433.284	433.283
LIP OF KERB							
CHAINAGE		0.000	3.390	6.779	10.169	13.509	13.559

ALIGNMENT 1H

ALIGNMENT 1H

POINT NO	EASTING	NORTHING	RL	CHAINAGE
1H1	746005.796	5837699.516	433.504	0.000
1/4	746002.441	5837699.446	433.413	3.377
1/2	745999.369	5837698.097	433.347	6.754
3/4	745997.046	5837695.675	433.304	10.132
1H2	745995.827	5837692.549	433.284	13.509
1H3	745995.819	5837692.499	433.283	13.559

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1H1-1H2	8.600	13.509	12.162	2.519	0.655



WEDGETAIL DRIVE AND BROLGА BOULEVARD  
LIP OF KERB 1C & 1D

VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 432.0

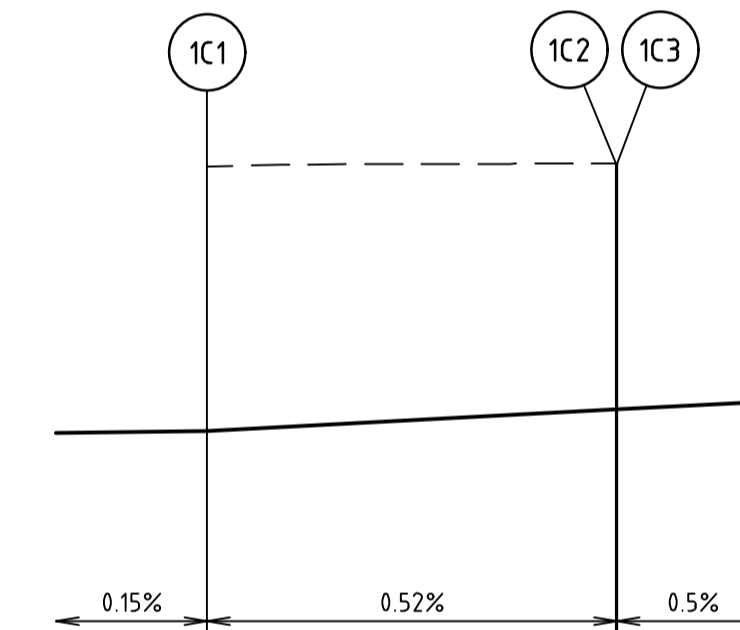
DESIGN LEVEL	0.000	432.930	433.001	433.001
LIP OF KERB				
CHAINAGE		0.000	13.509	13.559

ALIGNMENT 1C

ALIGNMENT 1C

POINT NO	EASTING	NORTHING	RL	CHAINAGE
1C1	745966.440	5837631.595	432.947	0.000
1/4	745969.794	5837631.665	432.963	3.377
1/2	745972.867	5837633.014	432.979	6.754
3/4	745975.189	5837635.436	432.995	10.132
1C2	745976.408	5837638.562	433.011	13.509
1C3	745976.417	5837638.612	433.011	13.559

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1C1-1C2	8.600	13.509	12.162	2.519	0.655



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 432.0

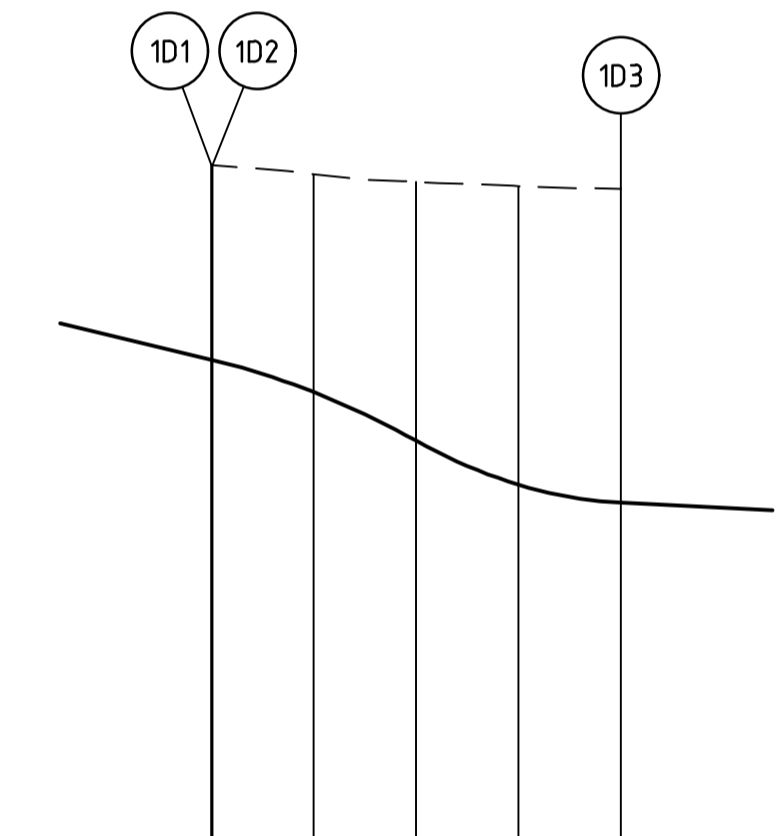
DESIGN LEVEL	0.000	433.403	433.404	433.460	433.471	433.496	433.504
LIP OF KERB							
CHAINAGE		0.000	0.050	11.281	12.281	13.281	13.559

ALIGNMENT 1G

ALIGNMENT 1G

POINT NO	EASTING	NORTHING	RL	CHAINAGE
1G1	746000.007	5837716.131	433.389	0.000
1G2	745999.998	5837716.082	433.389	0.050
1/4	746000.068	5837712.727	433.397	3.427
1/2	746001.417	5837709.654	433.424	6.804
3/4	746003.839	5837707.332	433.462	10.182
1G3	746006.965	5837706.113	433.504	13.559

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1G2-1G3	8.600	13.509	12.162	2.519	0.655



VERTICAL GEOMETRY

DESIGN GRADELINE

DATUM RL 431.0

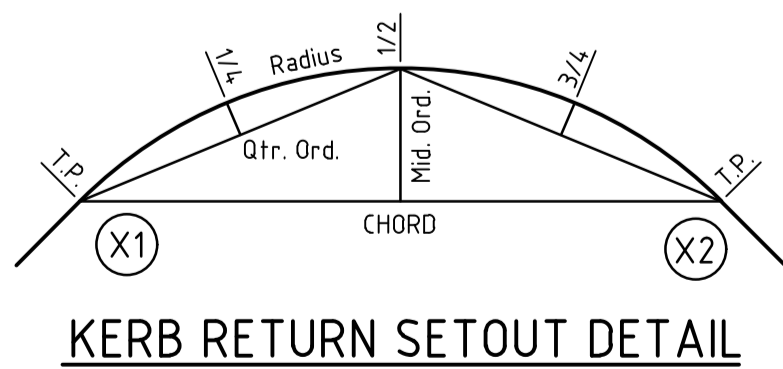
DESIGN LEVEL	0.000	432.263	432.261	432.994	432.849	432.790
LIP OF KERB						
CHAINAGE		0.000	0.050	6.779	10.169	13.559

ALIGNMENT 1D

ALIGNMENT 1D

POINT NO	EASTING	NORTHING	RL	CHAINAGE
1D1	745972.229	5837614.980	433.306	0.000
1D2	745972.238	5837615.029	433.305	0.050
1/4	745972.167	5837618.384	433.191	3.427
1/2	745970.819	5837621.457	433.030	6.804
3/4	745968.397	5837623.779	432.891	10.182
1D3	745965.270	5837624.998	432.840	13.559

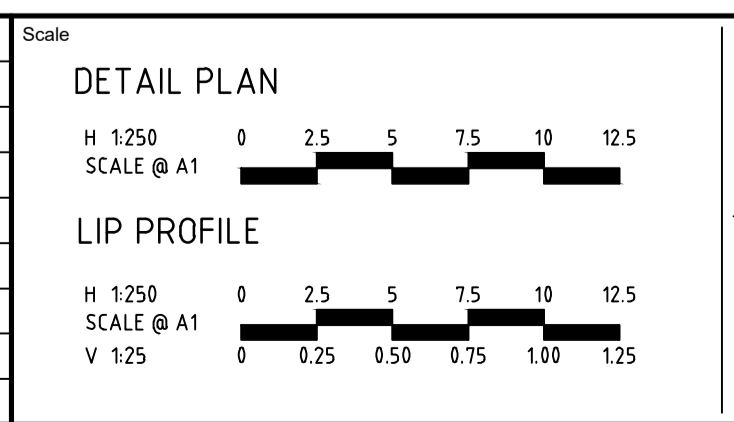
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1D2-1D3	8.600	13.509	12.162	2.519	0.655



KERB RETURN SETOUT DETAIL

file name: 308244CR500.dwg, layout name: CR500, plotted by: Jackson Oberthur, file location: G:\308244\308244.dwg, XREF plot date: 11/12/2020 10:59 AM, sheet: 10 of 18, sheets

Rev	Description	Approved	Date
B	AMENDED ALL KERB RETURNS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20
	Amendments	Approved	Date



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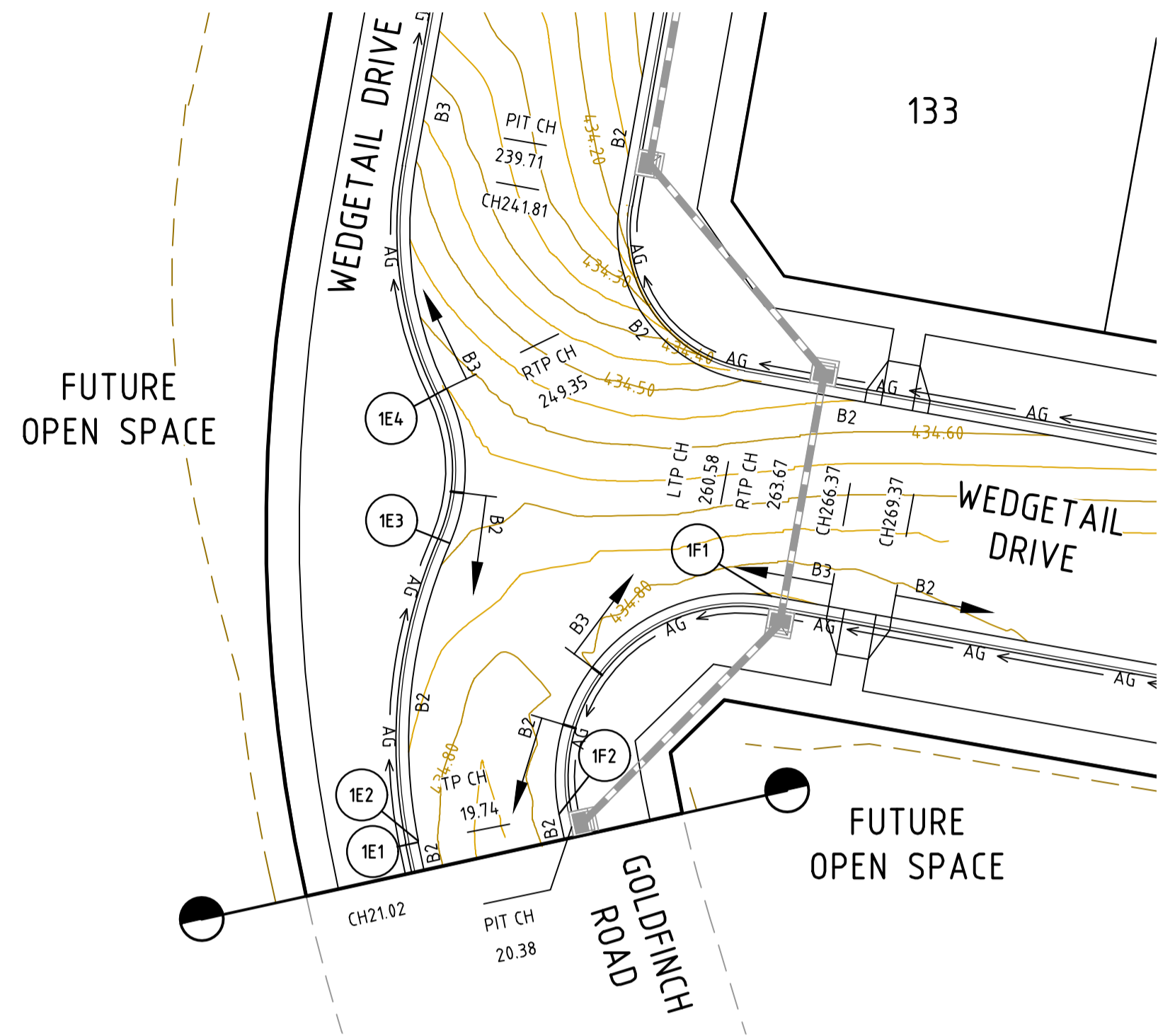
16 BRIDGE STREET BENDIGO  
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spiire.com.au ABN 55 050 029 635

Designed <b>J. DOHERTY</b>	Checked <b>B. IBBS</b>
Authorised <b>A. WILKIE</b>	Date 25/11/20

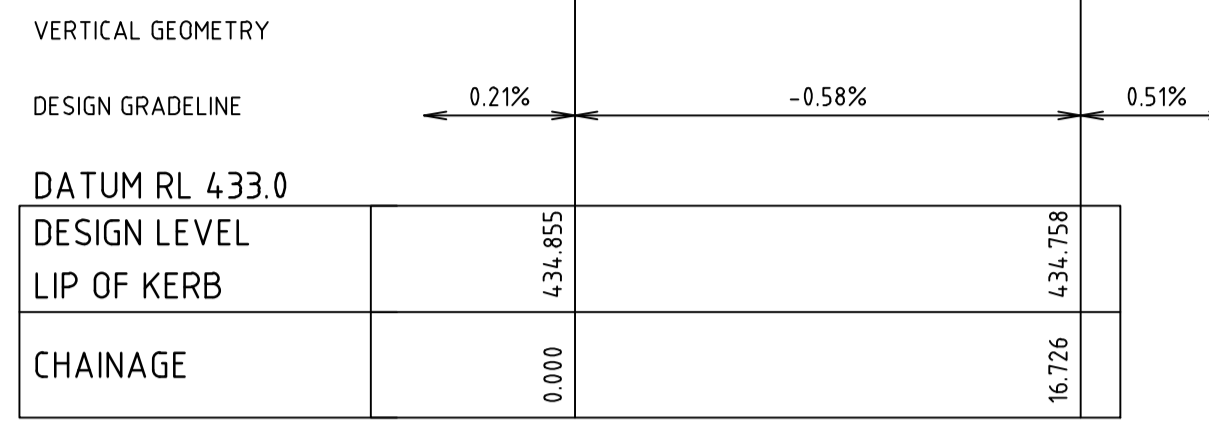
**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
INTERSECTION DETAILS - SHEET 1**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Dwg No: **308244CR500** Rev: **B**





WEDGETAIL DRIVE AND GOLDFINCH ROAD  
LIP OF KERB 1E & 1F

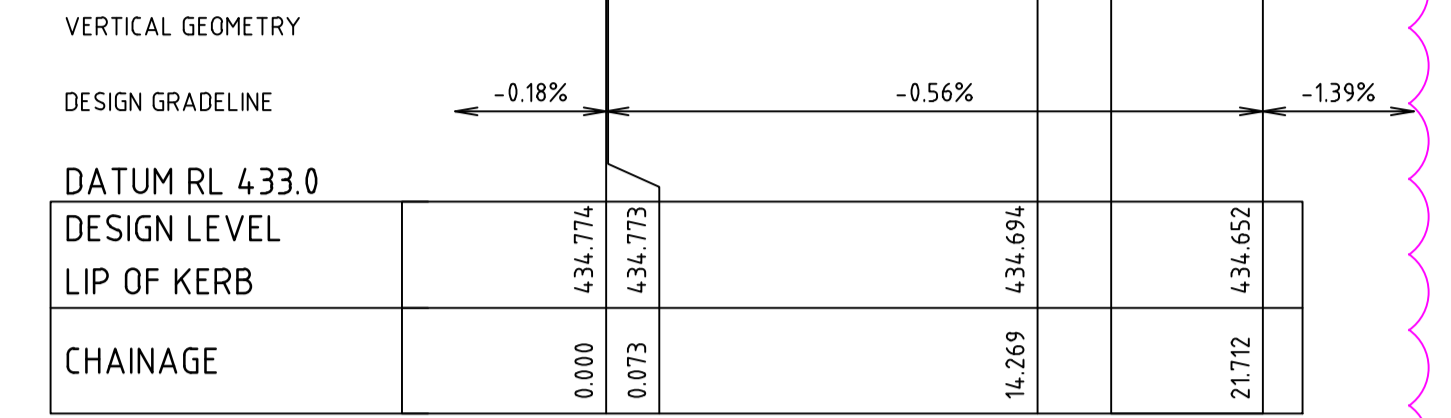
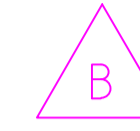


ALIGNMENT 1F

ALIGNMENT 1F				
POINT NO	EASTING	NORTHING	RL	CHAINAGE
1F1	745979.313	5837541.005	434.855	0.000
¼	745975.182	5837540.725	434.831	4.182
½	745971.661	5837538.547	434.807	8.363
¾	745969.565	5837534.976	434.782	12.545
1F2	745969.382	5837530.839	434.758	16.726

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1F1-1F2	8.600	16.726	14.212	3.756	0.997

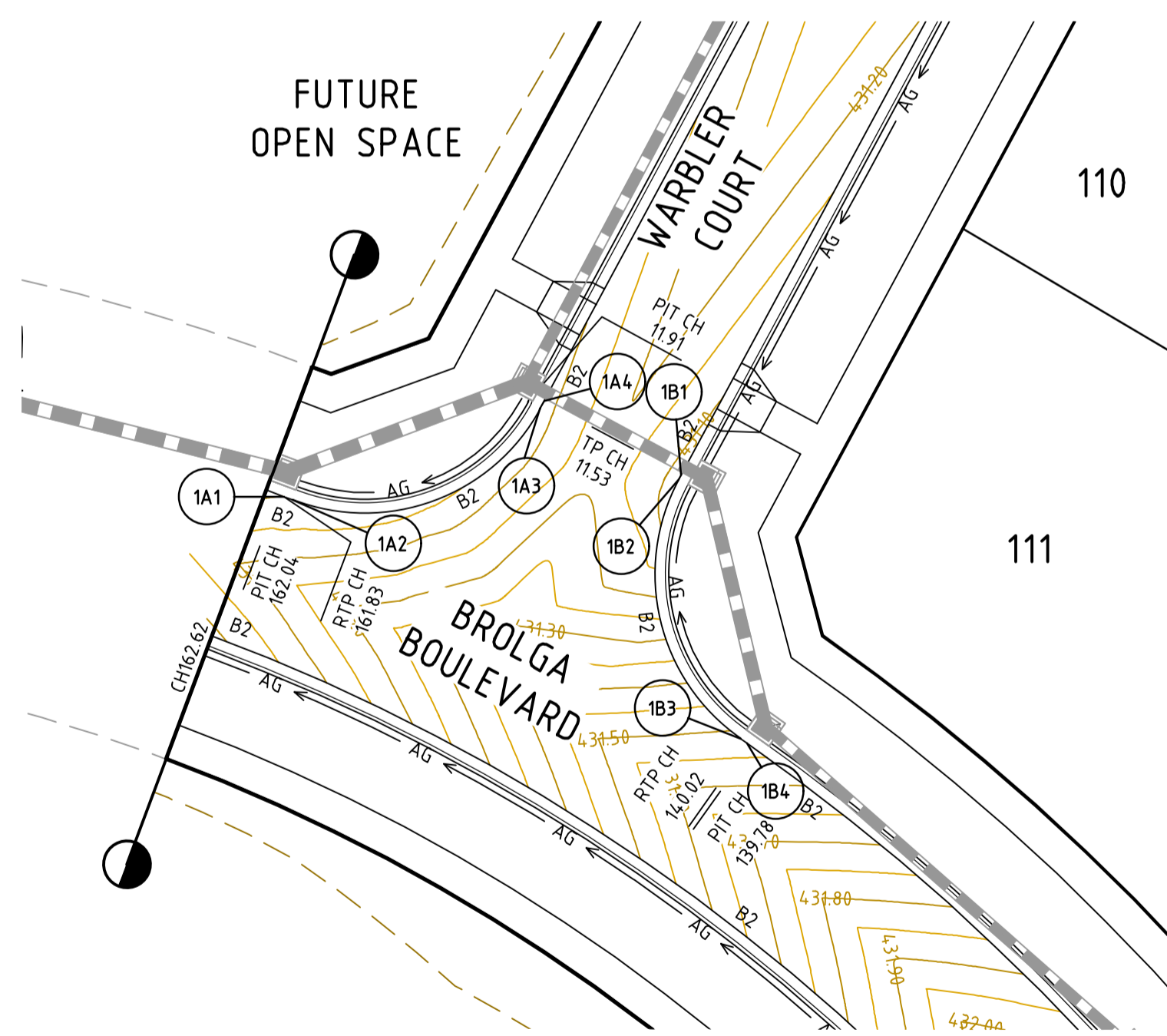


ALIGNMENT 1E

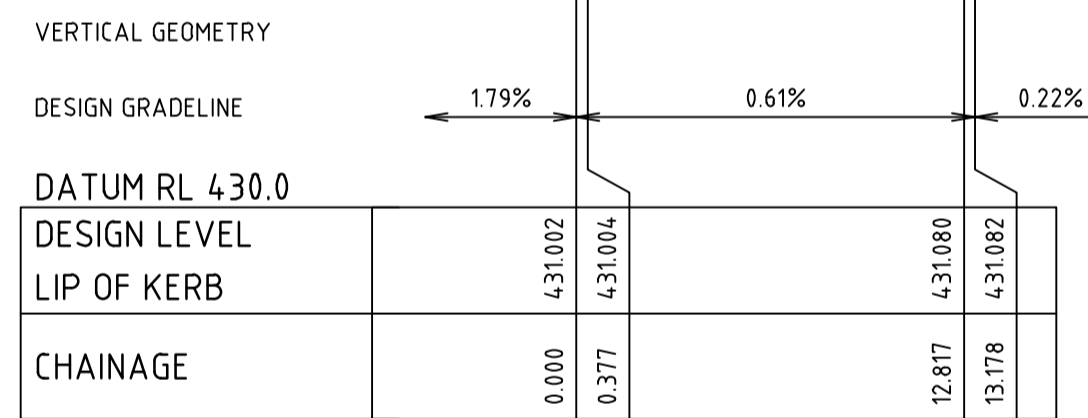
ALIGNMENT 1E				
POINT NO	EASTING	NORTHING	RL	CHAINAGE
1E1	745962.814	5837529.516	434.758	0.000
1E2	745962.799	5837529.588	434.758	0.073
¼	745962.369	5837533.108	434.744	3.622
½	745962.476	5837536.651	434.735	7.171
¾	745963.118	5837540.138	434.730	10.720
1E3	745964.281	5837543.488	434.721	14.269
¼	745964.834	5837545.261	434.711	16.130
½	745964.993	5837547.111	434.695	17.990
¾	745964.750	5837548.952	434.676	19.851
1E4	745964.119	5837550.699	434.652	21.712

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1E1-1E2	74.350	0.073	0.074	0.000	0.000
1E2-1E3	23.350	14.195	13.978	1.070	0.269
1E3-1E4	8.600	7.443	7.213	0.793	0.201



WARBLER COURT AND BROLGA BOULEVARD  
LIP OF KERB 1A & 1B

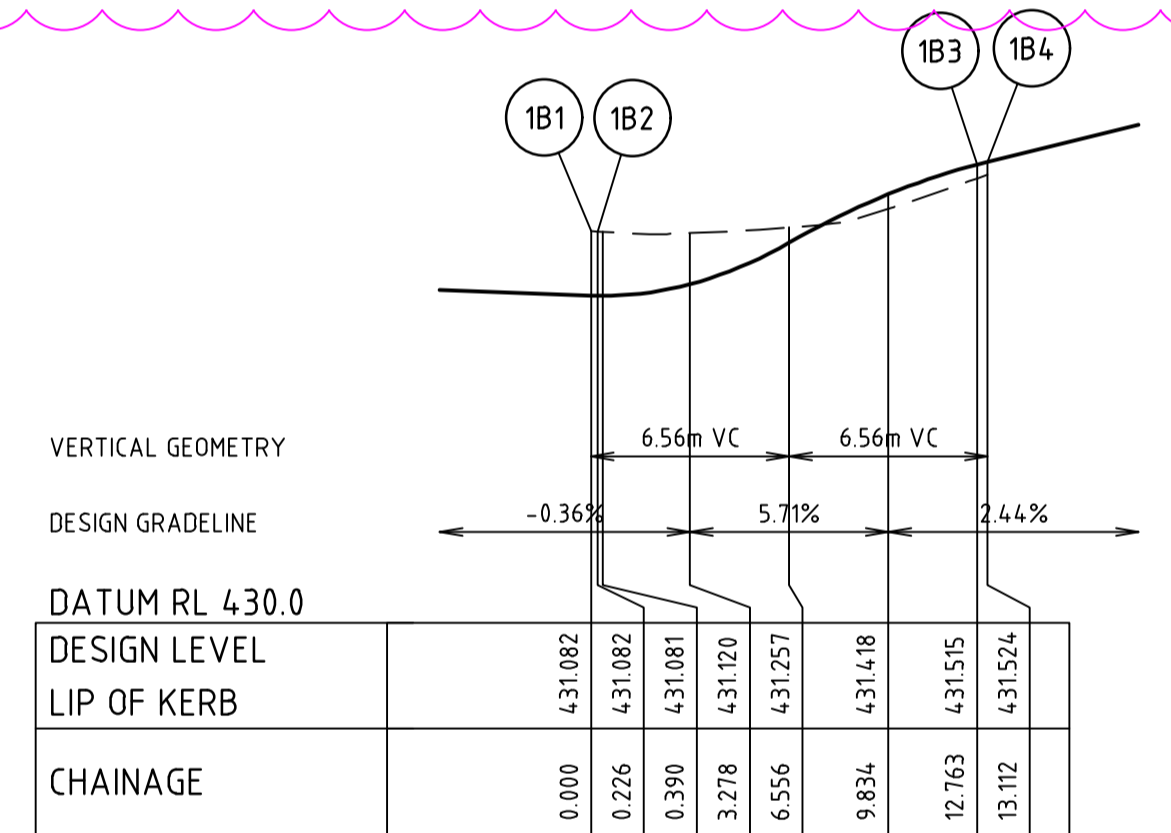


ALIGNMENT 1A

ALIGNMENT 1A				
POINT NO	EASTING	NORTHING	RL	CHAINAGE
1A1	745838.178	5837696.259	431.002	0.000
1A2	745838.530	5837696.124	431.004	0.377
¼	745841.567	5837695.541	431.023	3.487
½	745844.615	5837696.071	431.042	6.597
¾	745847.278	5837697.644	431.061	9.707
1A3	745849.212	5837700.058	431.080	12.817
1A4	745849.383	5837700.376	431.082	13.178

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1A1-1A2	92.357	0.377	0.377	0.000	0.000
1A2-1A3	8.600	12.440	11.384	2.153	0.556

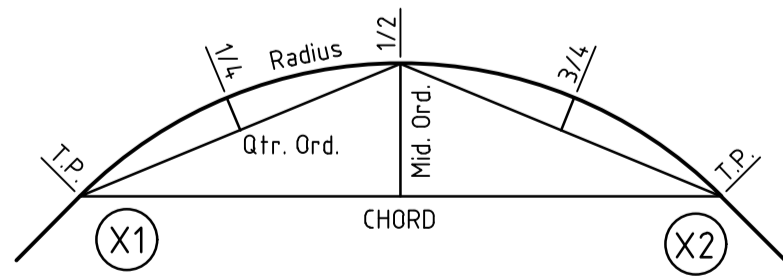


ALIGNMENT 1B

ALIGNMENT 1B				
POINT NO	EASTING	NORTHING	RL	CHAINAGE
1B1	745855.280	5837697.195	431.082	0.000
1B2	745855.172	5837696.996	431.082	0.226
¼	745854.214	5837694.030	431.122	3.361
½	745854.377	5837690.917	431.254	6.495
¾	745855.638	5837688.067	431.409	9.629
1B3	745857.832	5837685.853	431.515	12.763
1B4	745858.117	5837685.654	431.524	13.112

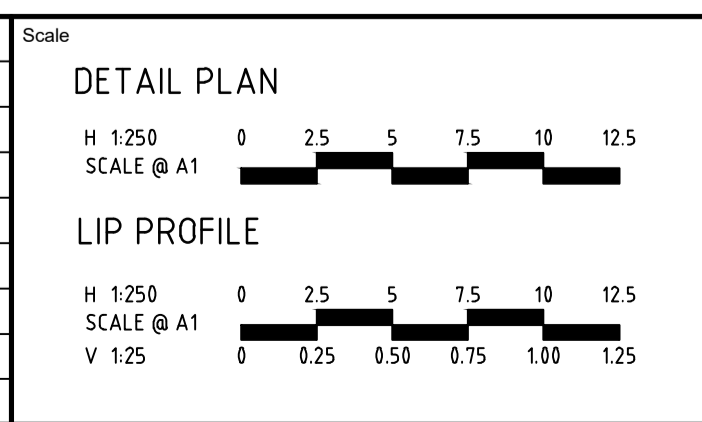
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
1B2-1B3	8.600	12.537	11.456	2.185	0.565
1B3-1B4	92.357	0.348	0.348	0.000	0.000



KERB RETURN SETOUT DETAIL

file name: 308244CR500.dwg, layout name: CR501, plotted by: Jordan Doherty, file location: G:\308244\308244.dwg, ACAD plot date: 11/12/2020 10:59 AM, Sheet: 11 of 18, Sheets

Rev	Description	Approved	Date
B	AMENDED KERB 1E AND STREET NAMES	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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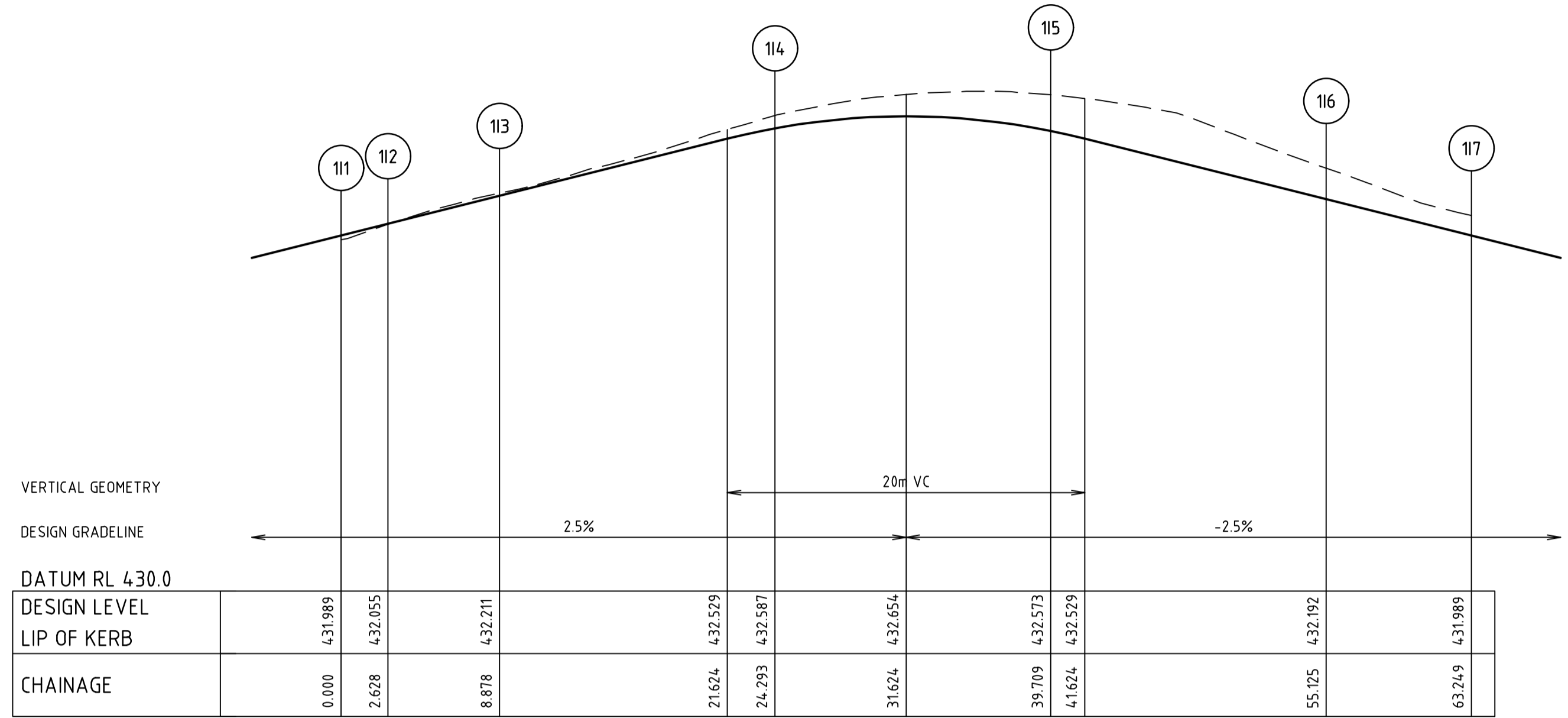
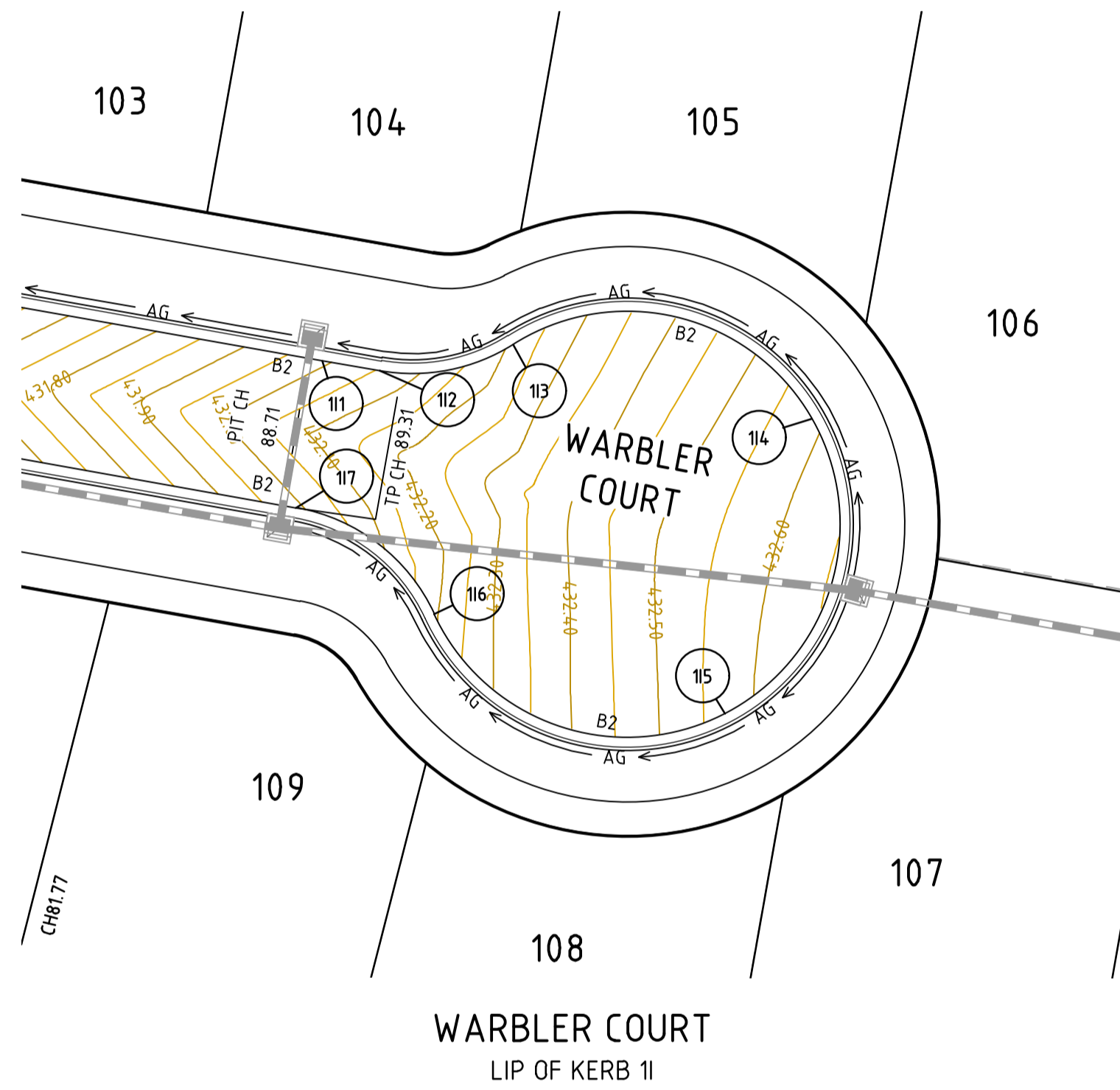
16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635

Designed J.DOHERTY	Checked B.IBBS
Authorised A.WILKIE	Date 25/11/20

**CONROY'S GREEN**  
**STAGE 1**  
**ROAD AND DRAINAGE**  
**INTERSECTION DETAILS - SHEET 2**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Dwg No **308244CR501** Rev **B**



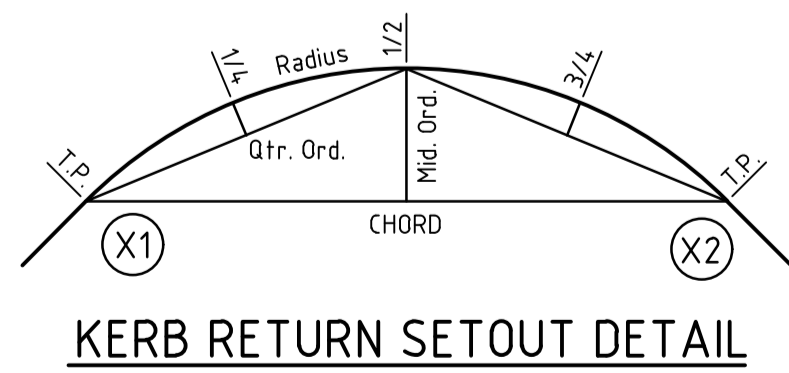


ALIGNMENT 11

ALIGNMENT 11

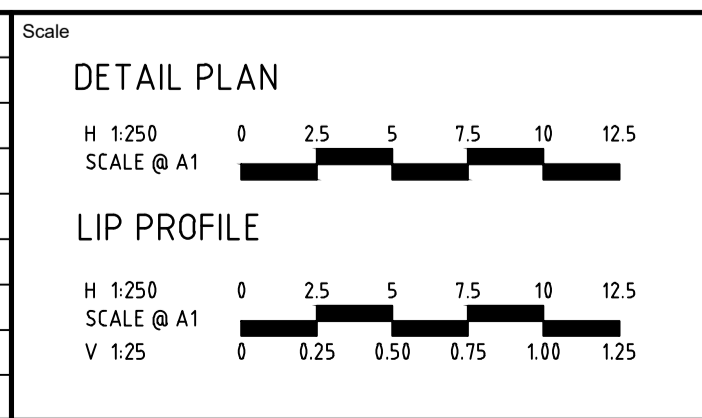
POINT NO	EASTING	NORTHING	RL	CHAINAGE
111	745912.219	5837728.560	431.989	0.000
112	745914.807	5837728.101	432.055	2.628
1/2	745917.914	5837728.131	432.133	5.753
1/4	745919.410	5837728.572	432.172	7.316
113	745920.800	5837729.281	432.211	8.878
3/4	745924.379	5837730.638	432.307	12.732
114	745928.203	5837730.481	432.403	16.586
1/2	745931.659	5837728.834	432.500	20.440
1/4	745934.190	5837725.963	432.587	24.293
115	745935.391	5837722.328	432.639	28.147
3/4	745935.067	5837718.514	432.654	32.001
116	745933.272	5837715.133	432.632	35.855
1/2	745930.294	5837712.729	432.573	39.709
1/4	745926.611	5837711.687	432.481	43.563
117	745922.814	5837712.176	432.385	47.417
3/4	745919.514	5837714.116	432.288	51.271
118	745917.242	5837717.195	432.192	55.125
1/2	745916.175	5837718.918	432.141	57.156
1/4	745914.730	5837720.338	432.090	59.187
119	745912.988	5837721.373	432.040	61.218
120	745911.049	5837721.963	431.989	63.249

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
112-113	8.450	6.249	6.108	0.571	0.144
113-114	9.550	15.416	13.796	2.945	0.767
114-115	9.550	15.416	13.796	2.945	0.767
115-116	9.550	15.416	13.796	2.945	0.767
116-117	8.450	8.124	7.815	0.958	0.243



file name: 308244CR502.dwg, location: Home, C:\Users\jdoher\OneDrive\Documents\308244\308244.dwg, x:\CAD\plot.dwg, 11/12/2020 10:59 AM, Sheet 12 of 18 Sheets

Rev	Amendments	Approved	Date
A	ISSUED FOR APPROVAL	A.W	25/11/20



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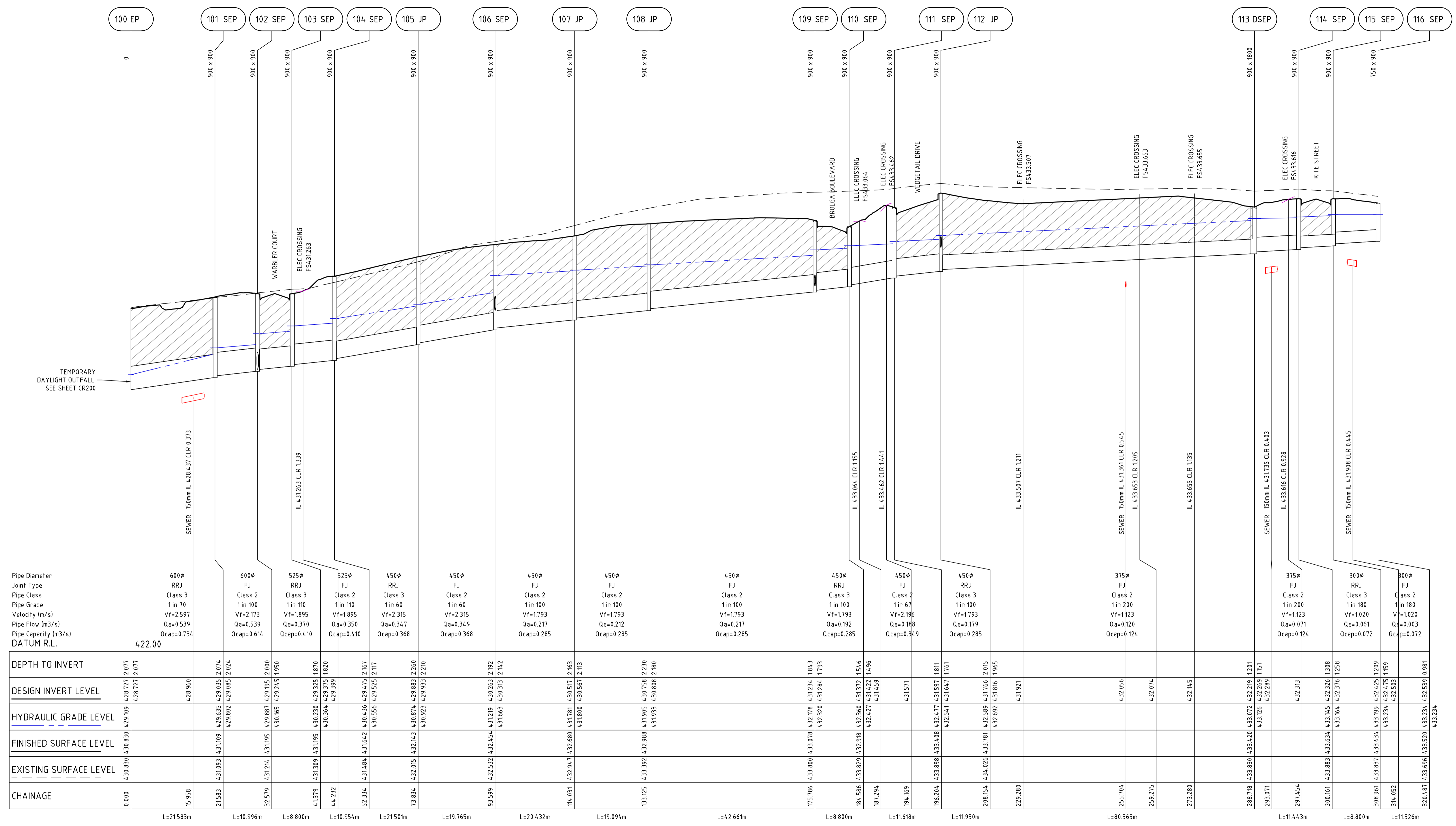
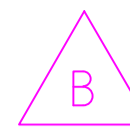
16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635

Designed J.DOHERTY	Checked B.IBBS
Authorised A.WILKIE	Date 25/11/20

**CONROY'S GREEN  
STAGE 1  
ROAD AND DRAINAGE  
INTERSECTION DETAILS - SHEET 3**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

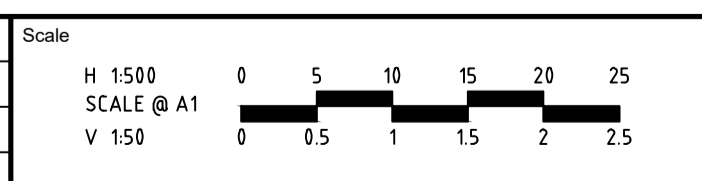
**PRELIMINARY** Dwg No **308244CR502** Rev **A**





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Rev	Amendments	Approved	Date
B	AMENDED ALL DRAINAGE	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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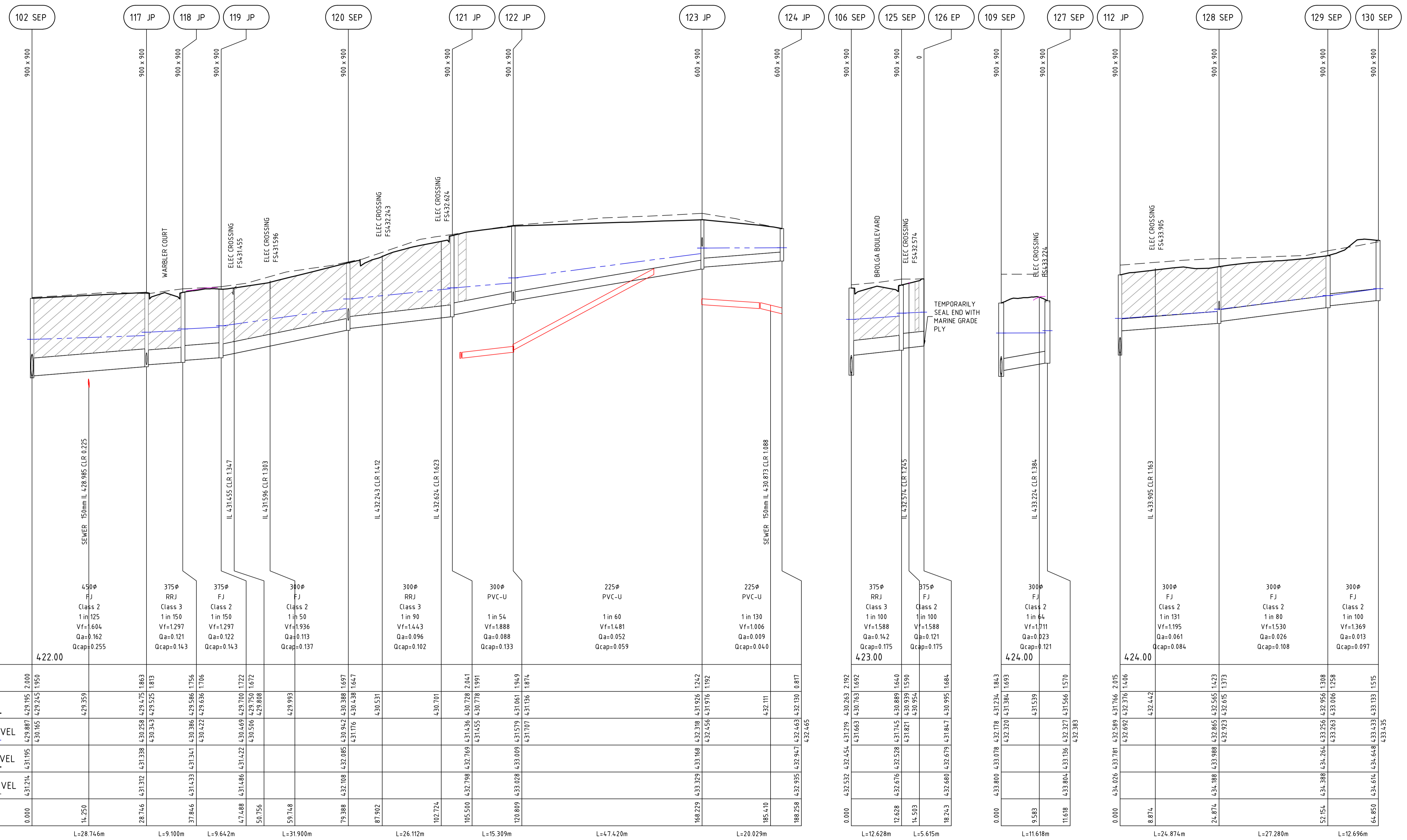
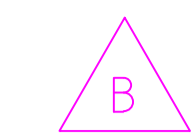
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Designed J. DOHERTY	Checked B. IBBS
Authorised A. WILKIE	Date 25/11/20

**CONROY'S GREEN  
 STAGE 1  
 ROAD AND DRAINAGE  
 DRAINAGE LONG SECTIONS - SHEET 1  
 CITY OF BALLARAT  
 SAN HUBERTO PROPERTY**

**PRELIMINARY** Dwg No: **308244CR600** Rev: **B**

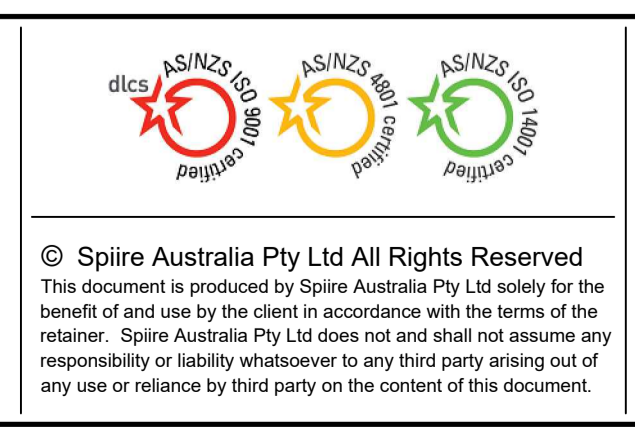
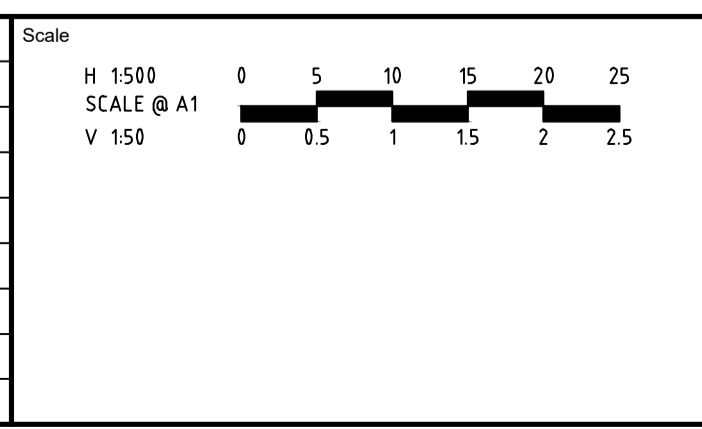




DEPTH TO INVERT	DESIGN INVERT LEVEL	HYDRAULIC GRADE LEVEL	FINISHED SURFACE LEVEL	EXISTING SURFACE LEVEL	CHAINAGE
422.00	429.359	429.887	431.214	431.195	0.000
		430.165	431.312	431.312	14.250
		430.343	431.338	431.312	28.746
		430.258	431.338	431.312	37.846
		429.525	431.341	431.433	47.688
		430.422	431.422	431.468	50.756
		429.636	431.422	431.468	59.748
		429.636	431.422	431.468	79.388
		429.636	431.422	431.468	87.902
		429.636	431.422	431.468	102.724
		429.636	431.422	431.468	105.500
		429.636	431.422	431.468	120.809
		429.636	431.422	431.468	168.229
		429.636	431.422	431.468	185.410
		429.636	431.422	431.468	188.258
		429.636	431.422	431.468	0.000
		429.636	431.422	431.468	12.628
		429.636	431.422	431.468	14.503
		429.636	431.422	431.468	18.243
		429.636	431.422	431.468	0.000
		429.636	431.422	431.468	9.583
		429.636	431.422	431.468	11.618
		429.636	431.422	431.468	0.000
		429.636	431.422	431.468	8.874
		429.636	431.422	431.468	24.874
		429.636	431.422	431.468	52.154
		429.636	431.422	431.468	64.850

file name: 308244CR601.dwg, layout name: CR601, created by: Jordan Doherty, file location: G:\308244\308244.dwg, xref file: G:\308244\308244.dwg, plot date: 11/12/2020 10:59 AM, sheet: 14 of 18 Sheets

Rev	Amendments	Approved	Date
B	AMENDED ALL DRAINAGE	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



**spiire**  
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Designed <b>J. DOHERTY</b>	Checked <b>B. IBBS</b>
Authorised <b>A. WILKIE</b>	Date 25/11/20

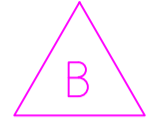
**CONROY'S GREEN  
 STAGE 1  
 ROAD AND DRAINAGE  
 DRAINAGE LONG SECTIONS - SHEET 2  
 CITY OF BALLARAT  
 SAN HUBERTO PROPERTY**

**PRELIMINARY** Dwg No **308244CR601** Rev **B**





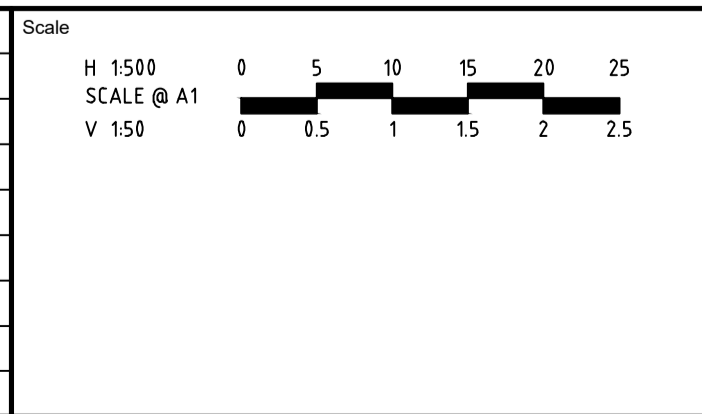




DRAINAGE PIT SCHEDULE												
No.	PIT TYPE	INTERNAL DIMENSIONS		INLET		OUTLET		PIT		REMARKS	STEP IRON	LADDER
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH			
100	ENDPIPE	0	0	600	428.727			430.830	2.103	ENDPIPE OUTFALL		
101	SIDE ENTRY PIT	900	900	600	429.085	600	429.035	431.109	2.074	REFER TO COB SD-P1-1	X	
102	SIDE ENTRY PIT	900	900	525	429.245	600	429.195	431.195	2.000	REFER TO COB SD-P1-1	X	
				450	429.245							
103	SIDE ENTRY PIT	900	900	525	429.375	525	429.325	431.195	1.870	REFER TO COB SD-P1-1	X	
104	SIDE ENTRY PIT	900	900	450	429.525	525	429.475	431.642	2.167	REFER TO COB SD-P1-1	X	
105	JUNCTION PIT	900	900	450	429.933	450	429.883	432.143	2.260	REFER TO COB SD-P10-1	X	
106	SIDE ENTRY PIT	900	900	450	430.313	450	430.263	432.454	2.192	REFER TO COB SD-P1-1	X	
				375	430.763							
107	JUNCTION PIT	900	900	450	430.567	450	430.517	432.680	2.163	REFER TO COB SD-P10-1	X	
108	JUNCTION PIT	900	900	450	430.808	450	430.758	432.988	2.230	REFER TO COB SD-P10-1	X	
109	SIDE ENTRY PIT	900	900	450	431.284	450	431.234	433.078	1.843	REFER TO COB SD-P1-1	X	
				300	431.384							
110	SIDE ENTRY PIT	900	900	450	431.422	450	431.372	432.918	1.546	REFER TO COB SD-P1-1	X	
111	SIDE ENTRY PIT	900	900	450	431.647	450	431.597	433.408	1.811	REFER TO COB SD-P1-1	X	
112	JUNCTION PIT	900	900	375	431.816	450	431.766	433.781	2.015	REFER TO COB SD-P10-1	X	
				300	432.376							
113	DOUBLE SIDE ENTRY PIT	900	1800	375	432.269	375	432.219	433.420	1.201	REFER TO COB SD-P2-1	X	
114	SIDE ENTRY PIT	900	900	300	432.376	375	432.326	433.634	1.308	REFER TO COB SD-P1-1	X	
115	SIDE ENTRY PIT	900	900	300	432.475	300	432.425	433.634	1.209	REFER TO COB SD-P1-1	X	
116	SIDE ENTRY PIT	750	900			300	432.539	433.520	0.981	REFER TO COB SD-P1-1		
117	JUNCTION PIT	900	900	375	429.525	450	429.475	431.338	1.863	REFER TO COB SD-P10-1	X	
				300	429.525							
118	JUNCTION PIT	900	900	375	429.636	375	429.586	431.341	1.756	REFER TO COB SD-P10-1	X	
119	JUNCTION PIT	900	900	300	429.750	375	429.700	431.422	1.722	REFER TO COB SD-P10-1	X	
120	SIDE ENTRY PIT	900	900	300	430.438	300	430.388	432.085	1.697	REFER TO COB SD-P1-1	X	
				300	430.638							
121	JUNCTION PIT	900	900	300	430.778	300	430.728	432.769	2.041	REFER TO COB SD-P10-1	X	
122	JUNCTION PIT	900	900	225	431.136	300	431.061	433.009	1.949	REFER TO COB SD-P10-1	X	
				225	431.136							
123	JUNCTION PIT	600	900	225	431.976	225	431.926	433.168	1.242	REFER TO COB SD-P10-1	X	
				225	432.496							
124	JUNCTION PIT	600	900			225	432.130	432.947	0.817	REFER TO COB SD-P10-1		
125	SIDE ENTRY PIT	900	900	375	430.939	375	430.889	432.528	1.640	REFER TO COB SD-P1-1	X	
126	ENDPIPE	0	0			375	430.995	432.679	1.684			
127	SIDE ENTRY PIT	900	900			300	431.566	433.136	1.570	REFER TO COB SD-P1-1	X	
128	SIDE ENTRY PIT	900	900	300	432.615	300	432.565	433.988	1.423	REFER TO COB SD-P1-1	X	
				225	432.901							
129	SIDE ENTRY PIT	900	900	300	433.006	300	432.956	434.264	1.308	REFER TO COB SD-P1-1	X	
130	SIDE ENTRY PIT	900	900	300	433.183	300	433.133	434.648	1.515	REFER TO COB SD-P1-1	X	
131	JUNCTION PIT	900	900	300	433.353	300	433.303	435.029	1.726	REFER TO COB SD-P10-1	X	
132	SIDE ENTRY PIT	900	900			300	433.515	434.872	1.357	REFER TO COB SD-P1-1	X	
133	JUNCTION PIT	900	900	300	429.607	300	429.557	431.334	1.777	REFER TO COB SD-P10-1	X	
134	JUNCTION PIT	900	900	225	429.754	300	429.704	431.330	1.626	REFER TO COB SD-P10-1	X	
135	JUNCTION PIT	600	900	225	430.257	225	430.065	431.062	0.998	REFER TO COB SD-P10-1		
136	JUNCTION PIT	600	900			225	431.332	432.164	0.832	REFER TO COB SD-P10-1		
137	SIDE ENTRY PIT	750	900			300	430.726	432.085	1.359	REFER TO COB SD-P1-1	X	
138	JUNCTION PIT	600	900			225	431.888	432.708	0.819	REFER TO COB SD-P10-1		
139	JUNCTION PIT	600	900			225	432.665	433.345	0.680	REFER TO COB SD-P10-1		
140	JUNCTION PIT	600	900			225	433.413	434.242	0.828	REFER TO COB SD-P10-1		
141	SIDE ENTRY PIT	900	900	300	432.370			433.495	1.175	BREAK INTO EXISTING SEP AND MAKE GOOD		
142	DOUBLE SIDE ENTRY PIT	750	1800	300	432.476	300	432.426	433.411	0.986	REFER TO COB SD-P2-1		
143	DOUBLE SIDE ENTRY PIT	750	1800			300	432.541	433.411	0.871	REFER TO COB SD-P2-1		

file name: 308244CR603.dwg, layout name: CR603, plotted by: Jordan Oberby, file location: G:\308244\308244\DWG\CAD\plot.dwg, 11/12/2020 10:59 AM, sheet 16 of 18 Sheets

Rev	Amendments	Approved	Date
B	AMENDED PIT SCHEDULE	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



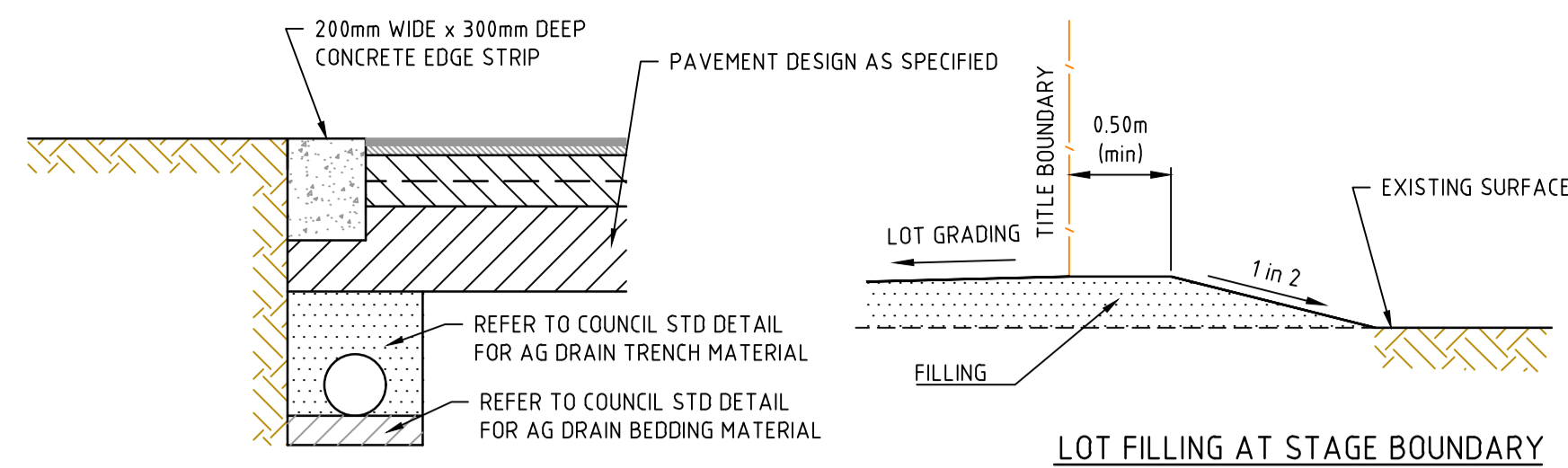
16 BRIDGE STREET BENDIGO  
VICTORIA 3550 AUSTRALIA T 61 3 5448 2500  
spiire.com.au ABN 55 050 029 635

Designed J.DOHERTY	Checked B.IBBS
Authorised A.WILKIE	Date 25/11/20

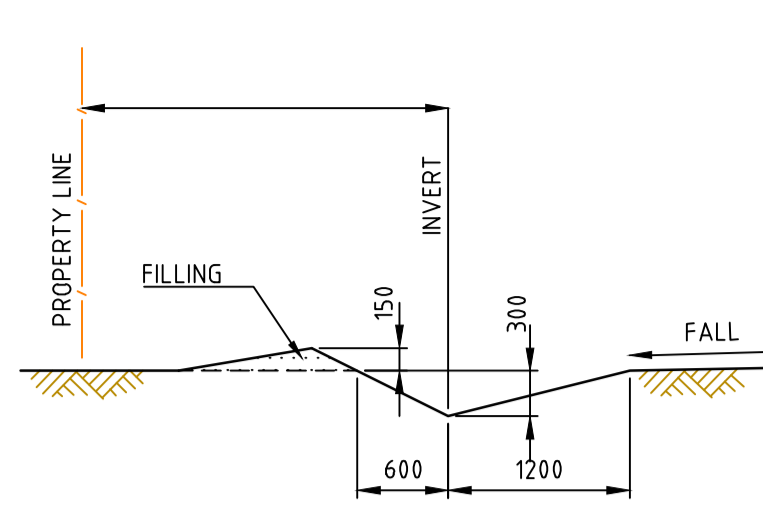
**CONROY'S GREEN**  
**STAGE 1**  
ROAD AND DRAINAGE  
DRAINAGE LONG SECTIONS - PIT SCHEDULE  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Dwg No **308244CR603** Rev **B**

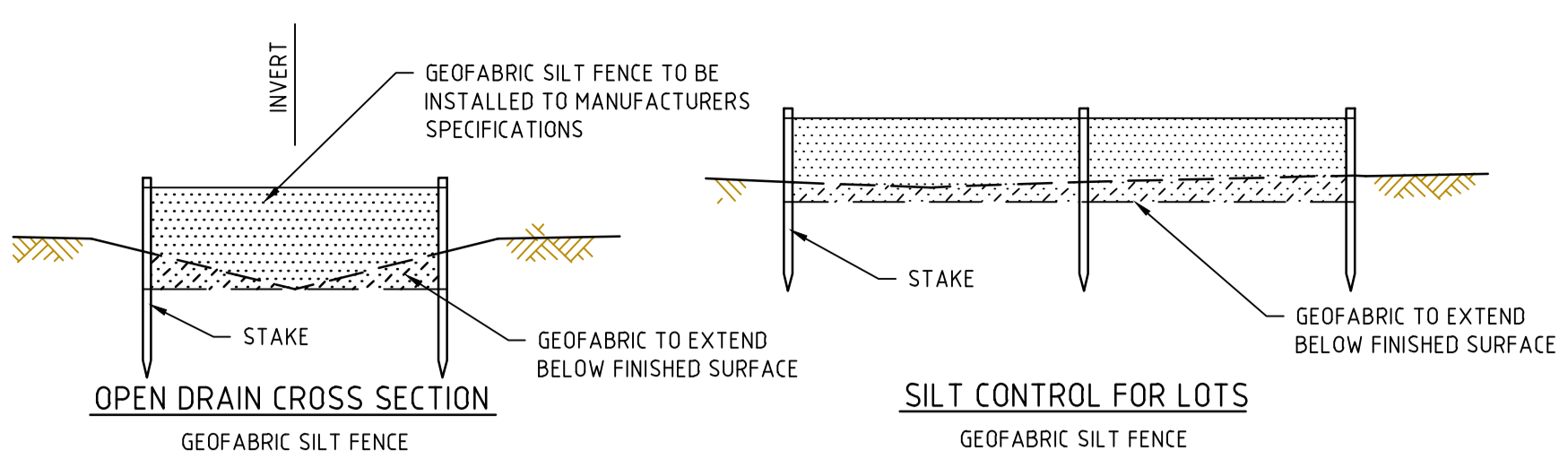




LOT FILLING AT STAGE BOUNDARY

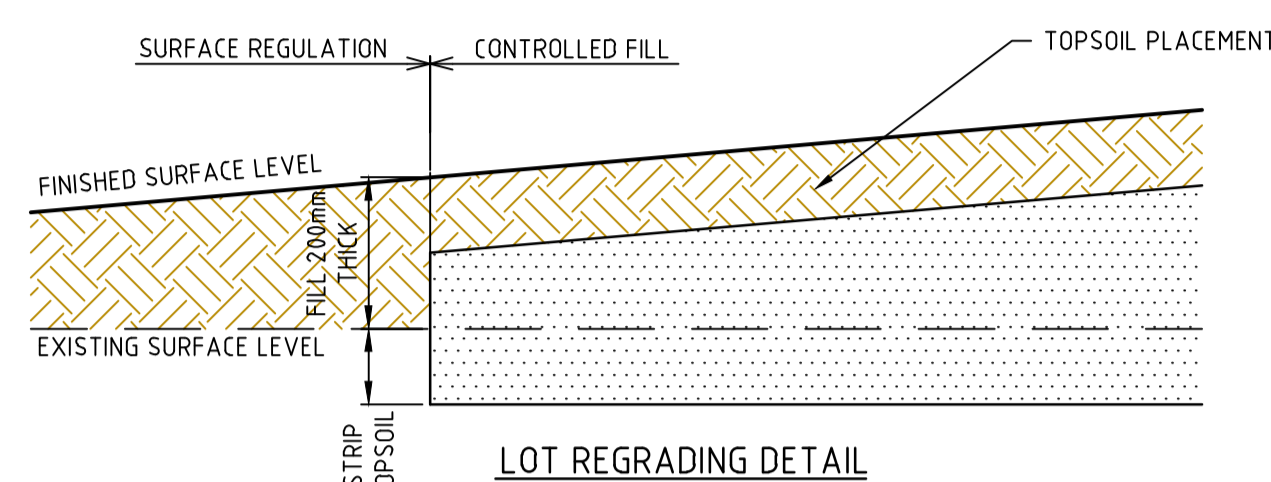


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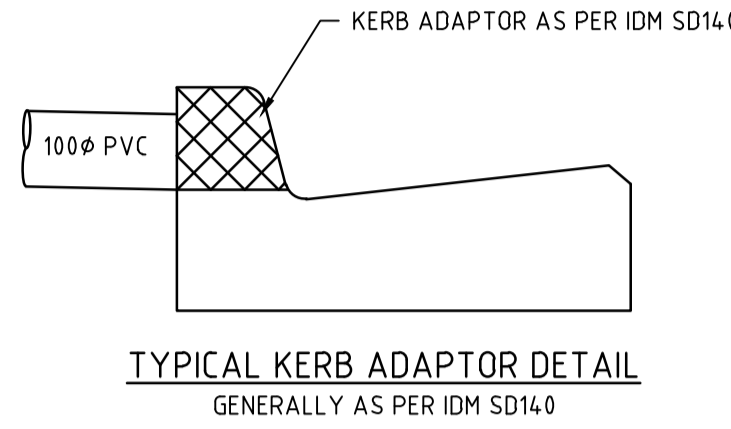


SILT CONTROL OPTIONS

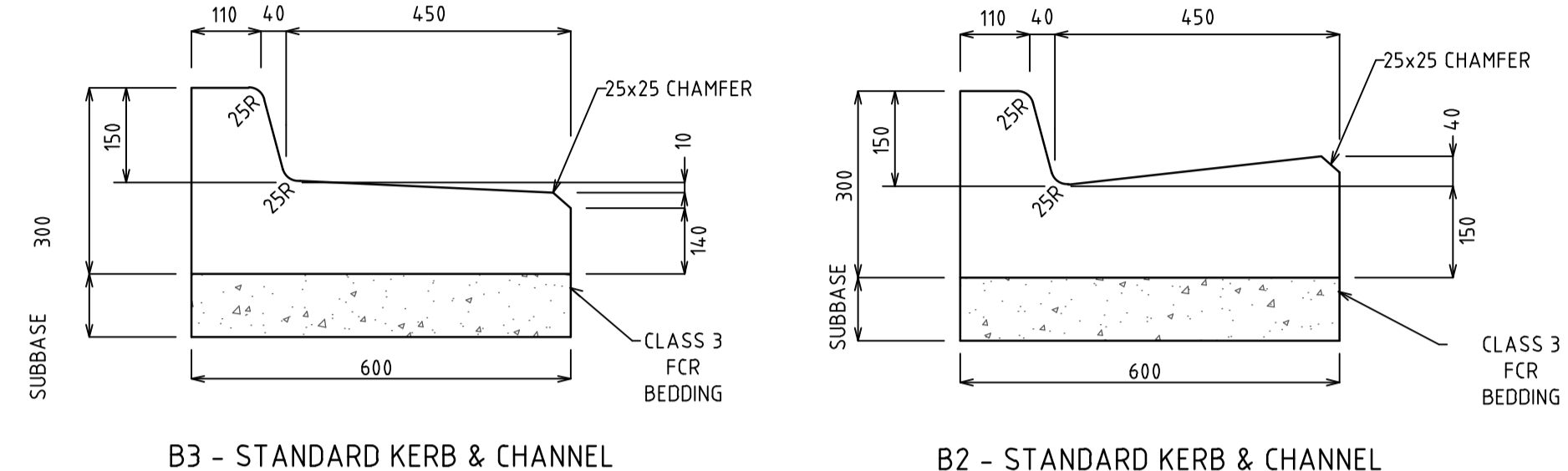
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE - DETAIL



LOT REGRADING DETAIL

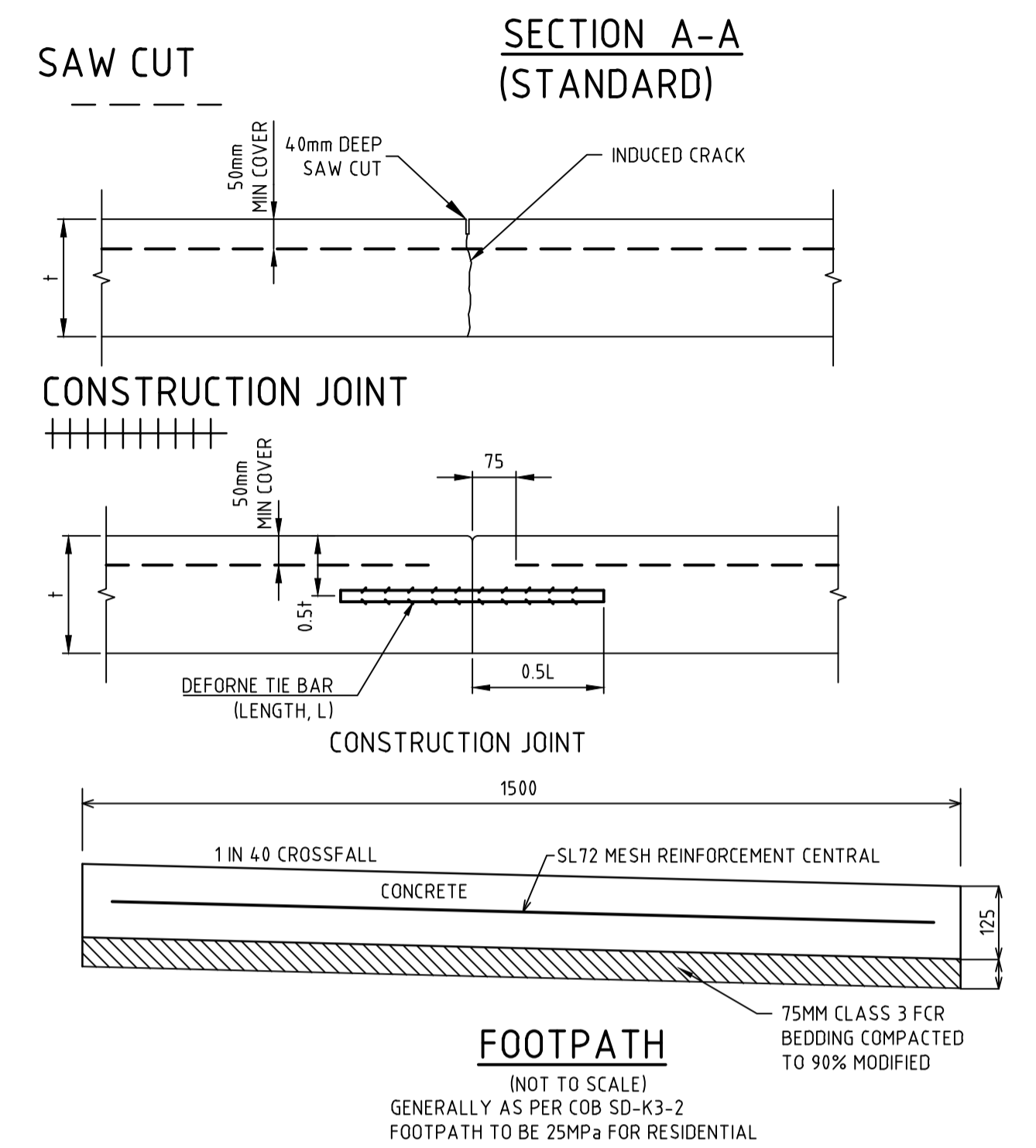


TYPICAL KERB ADAPTOR DETAIL



B3 - STANDARD KERB & CHANNEL

B2 - STANDARD KERB & CHANNEL



SAW CUT

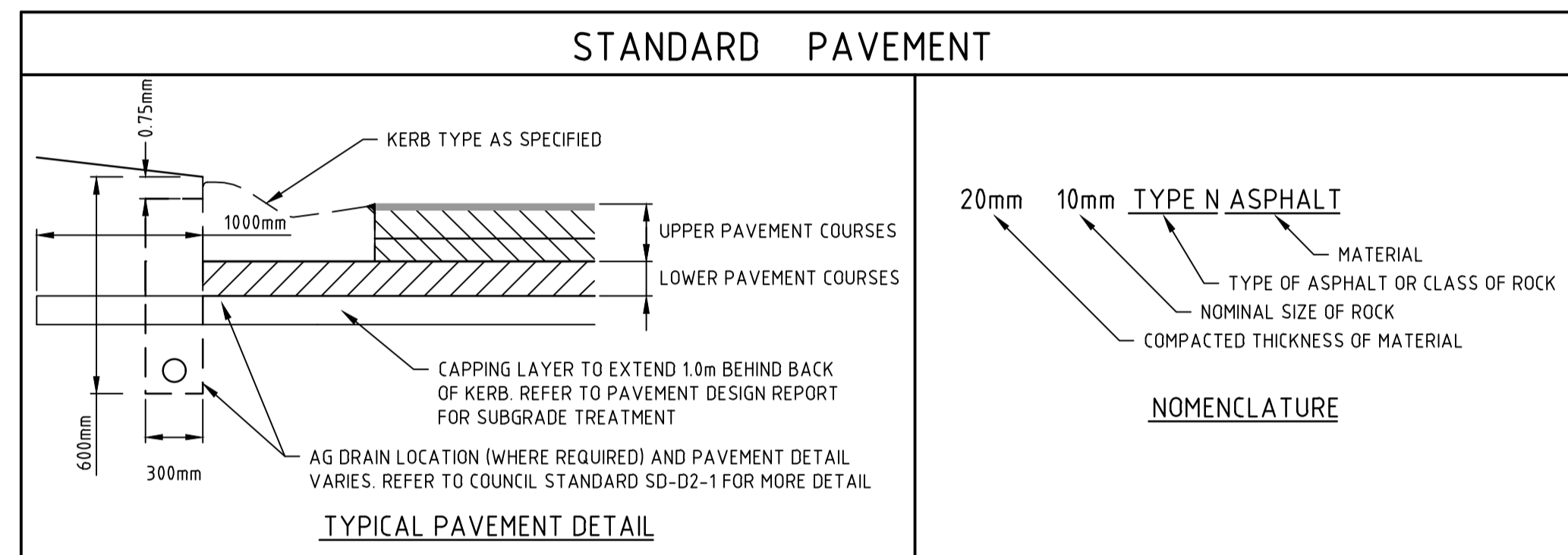
SECTION A-A (STANDARD)

CONSTRUCTION JOINT

CONSTRUCTION JOINT

FOOTPATH

(NOT TO SCALE)  
GENERALLY AS PER COB SD-K3-2  
FOOTPATH TO BE 25MPa FOR RESIDENTIAL



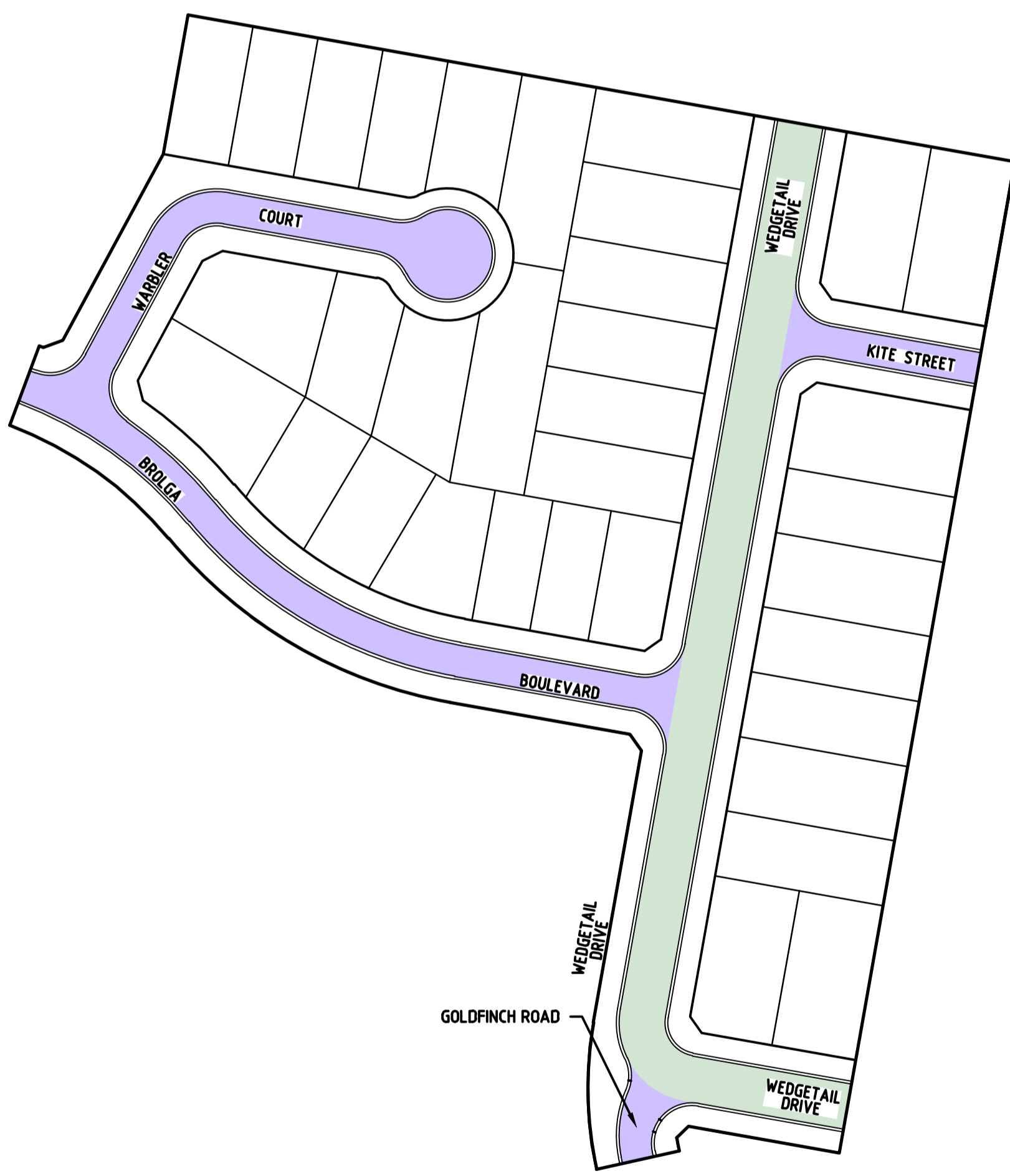
STANDARD PAVEMENT

TYPICAL PAVEMENT DETAIL

20mm TYPE N ASPHALT  
10mm TYPE N ASPHALT  
MATERIAL  
TYPE OF ASPHALT OR CLASS OF ROCK  
NOMINAL SIZE OF ROCK  
COMPACTED THICKNESS OF MATERIAL

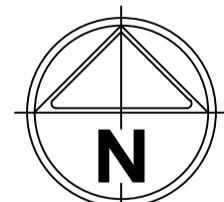
NOMENCLATURE

STANDARD KERB PROFILES



PAVEMENT PLAN

H 1:1000  
SCALE @ A1



MGA 94  
ZONE 54

DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)	
		TYPE A* (ACCESS STREET 1)	TYPE B* (ACCESS STREET 2)
ASPHALT WEARING COURSE (mm)	SIZE 10mm TYPE N ASPHALT CLASS 320 BITUMEN	40	40
SAMI LAYER		YES	YES
PRIMER COURSE	PRIME OR 7mm PRIMERSEAL	YES	YES
BASE COURSE (mm)	CLASS 1 or 2 25mm FCR COMPACTED TO 98% (IMDD)	150	150
SUBBASE COURSE (mm)	CLASS 3 25mm or 40mm FCR COMPACTED TO 97% (IMDD)	220	230
CAPPING LAYER (mm)	INSITU CLAY STABILISED WITH 3% LIME TO ACHIEVE THE FOLLOWING PROPERTIES: CBRI>10, SWELL<15% COMPACTED TO 98% (IMDD)	150	200
TOTAL PAVEMENT DEPTH		560	620

ROAD NAME	TYPE
BROлга BOULEVARD	A
WARBLER COURT	A
KITE STREET	A
GOLDFINCH ROAD	A
WEDGETAIL DRIVE	B

\* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

PAVEMENT DETAILS

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

THE DESIGN HAS BEEN EXTRACTED FROM THE GTS REPORT ON "520 GREENHALGHS RD, WINTER VALLEY" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

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

GENERAL NOTES:

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- 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.
- CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- 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.

file name: 308244CR700.dwg, layout name: CDT100, created by: Jackson Oberster, file location: G:\308244\308244\DWG\ACAD\plot.dwg, 11/12/2020 10:00 AM Sheet 17 of 18 Sheets

Rev	Amendments	Approved	Date
B	REMOVED DRIVEWAY DETAILS	A.W	09/12/20
A	ISSUED FOR APPROVAL	A.W	25/11/20



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Designed  
J.DOHERTY  
Authorised  
A.WILKIE

Checked  
B.IBBS  
Date  
25/11/20

**CONROY'S GREEN**  
**STAGE 1**  
**ROAD AND DRAINAGE**  
**PAVEMENT AND TYPICAL DETAILS**  
CITY OF BALLARAT  
SAN HUBERTO PROPERTY

**PRELIMINARY** Drg No **308244CR700** Rev **B**











