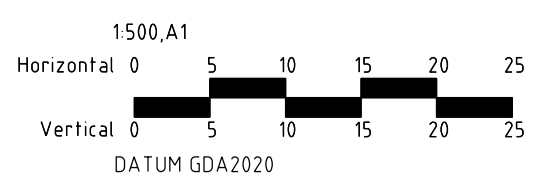


**DRIVEWAY DETAIL**  
 LOTS 1107 TO 1111  
 LOTS 1124 TO 1128  
 LOTS 1141 TO 1143  
 DRIVEWAY DETAILS AS PER  
 EDCM 501 WITH EXCEPTION  
 TO DIMENSIONS SHOWN ABOVE

0	CONSTRUCTION ISSUE	M.T.S	04/08/21
Rev	Amendments	Approved	Date



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Communities Designed for Living

Designed  
**R. WEINBER**  
 Authorised  
**M. TOOMER-SMITH**

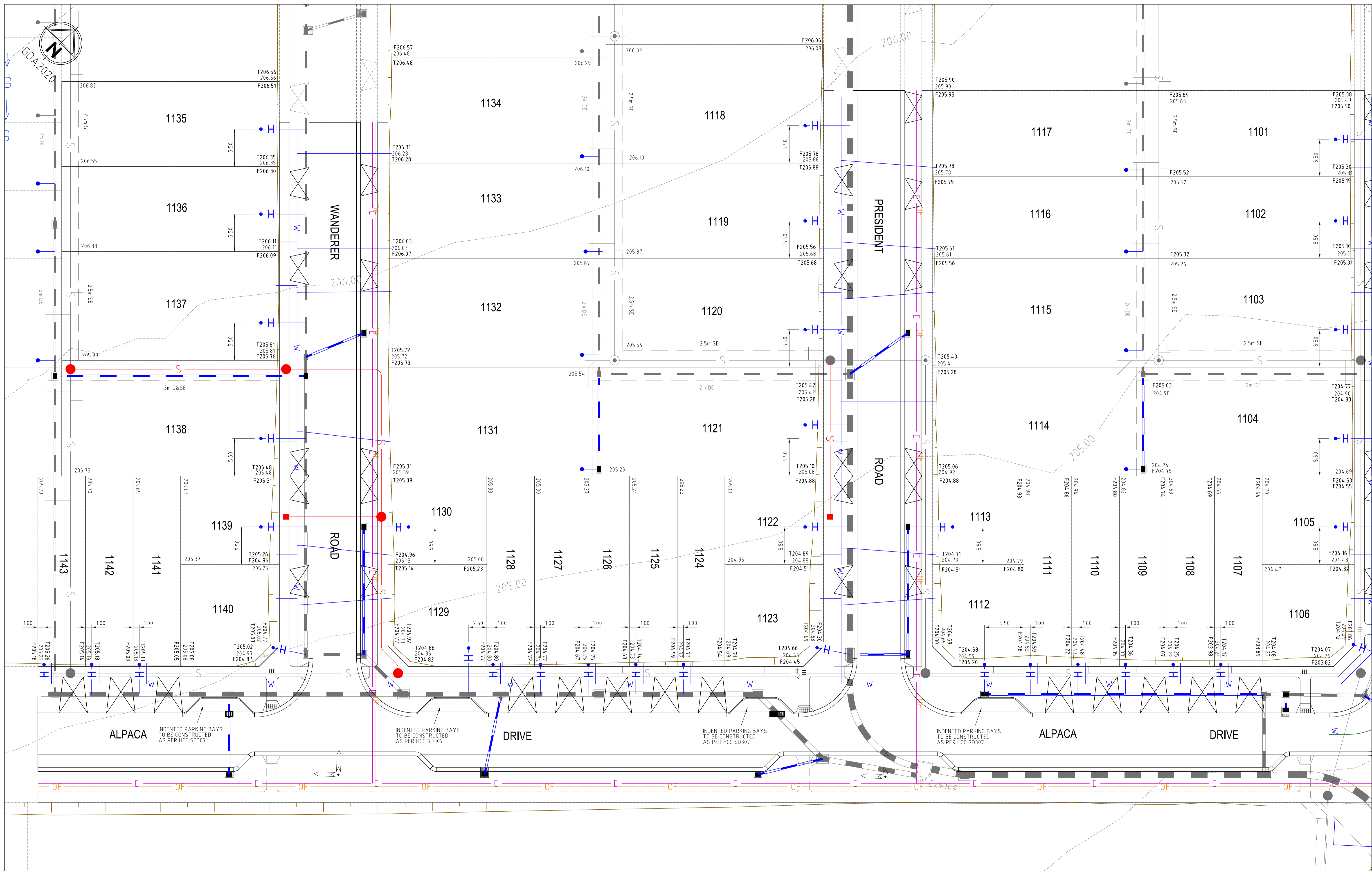
Your world awaits

Checked  
**D. CAMERON**  
 Date  
 26/03/21

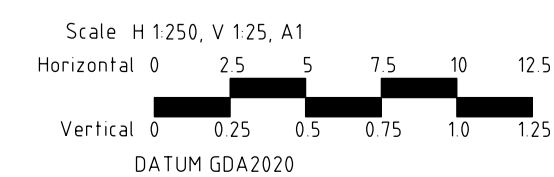
**REDSTONE ESTATE  
 STAGE 11  
 ROAD AND DRAINAGE FACE PLAN**

VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL

**AS CONSTRUCTED** Drg No **305922R02** Rev **0**



Rev	Amendments	Approved	Date
1	LOT F LEVELS AND T LEVELS UPDATED	M.T.S	13/08/21
0	CONSTRUCTION ISSUE	M.T.S	04/08/21



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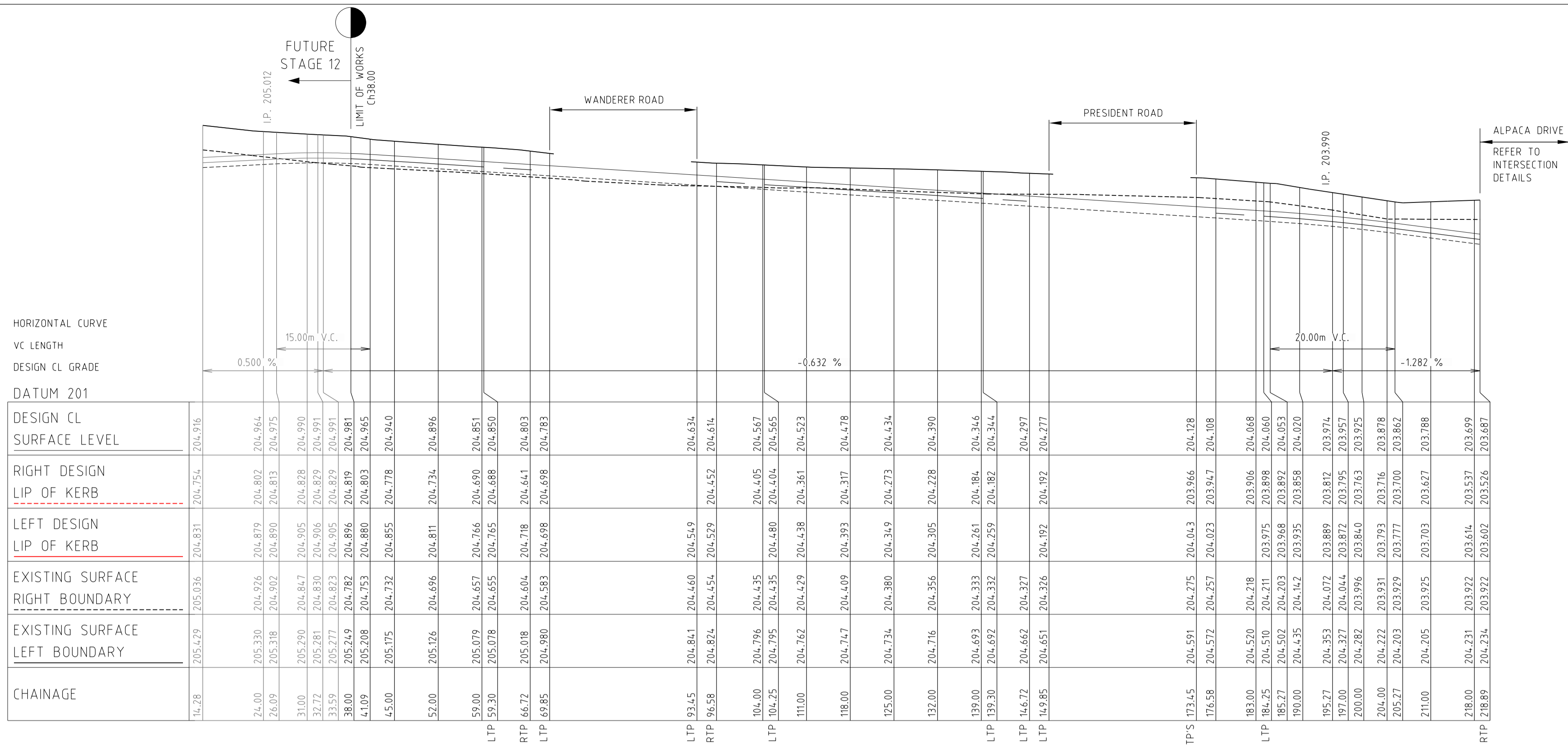
**Redstone.**  
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**D. CAMERON**  
 Date  
 26/03/21

**REDSTONE ESTATE  
 STAGE 11  
 LOT LEVEL PLAN**

VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL

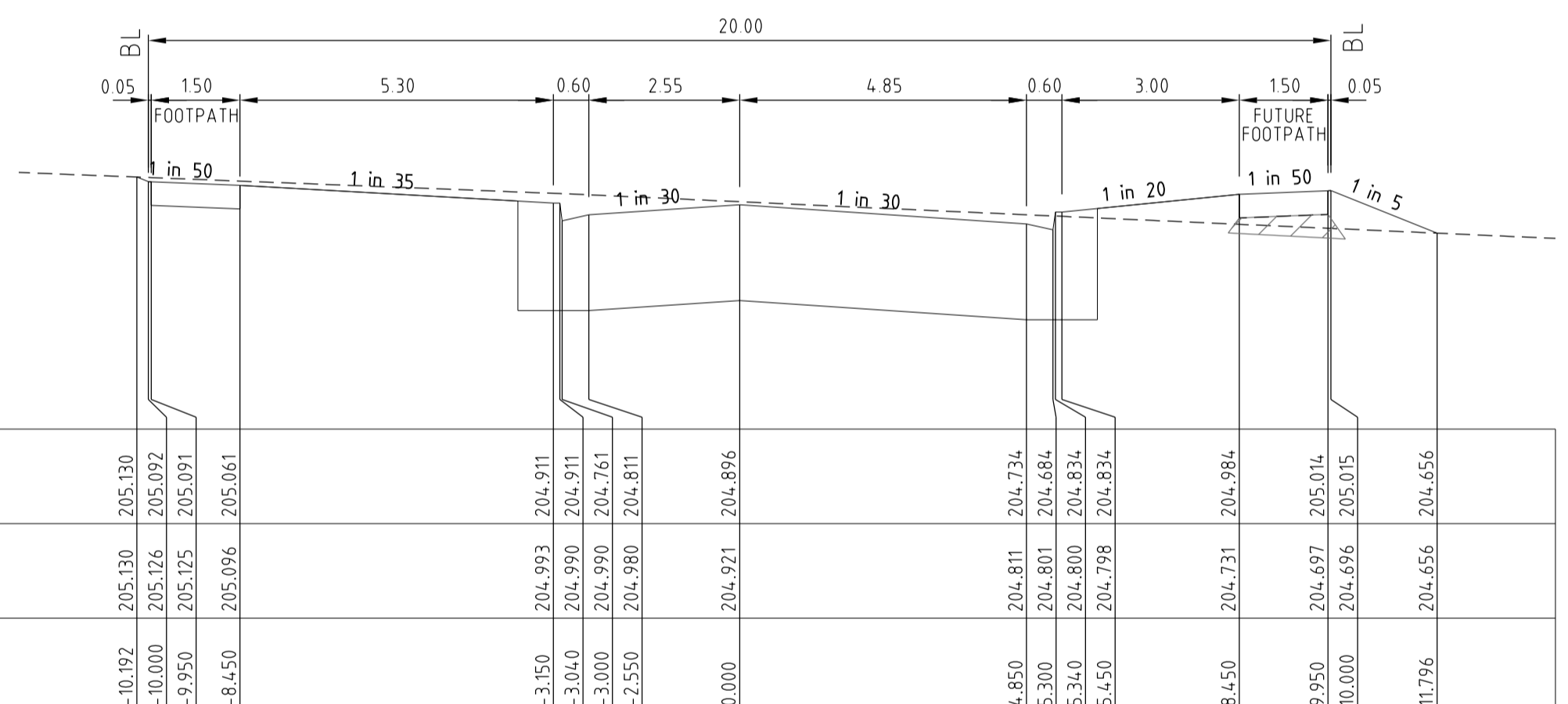
**AS CONSTRUCTED 305922R03**

Rev No  
 1



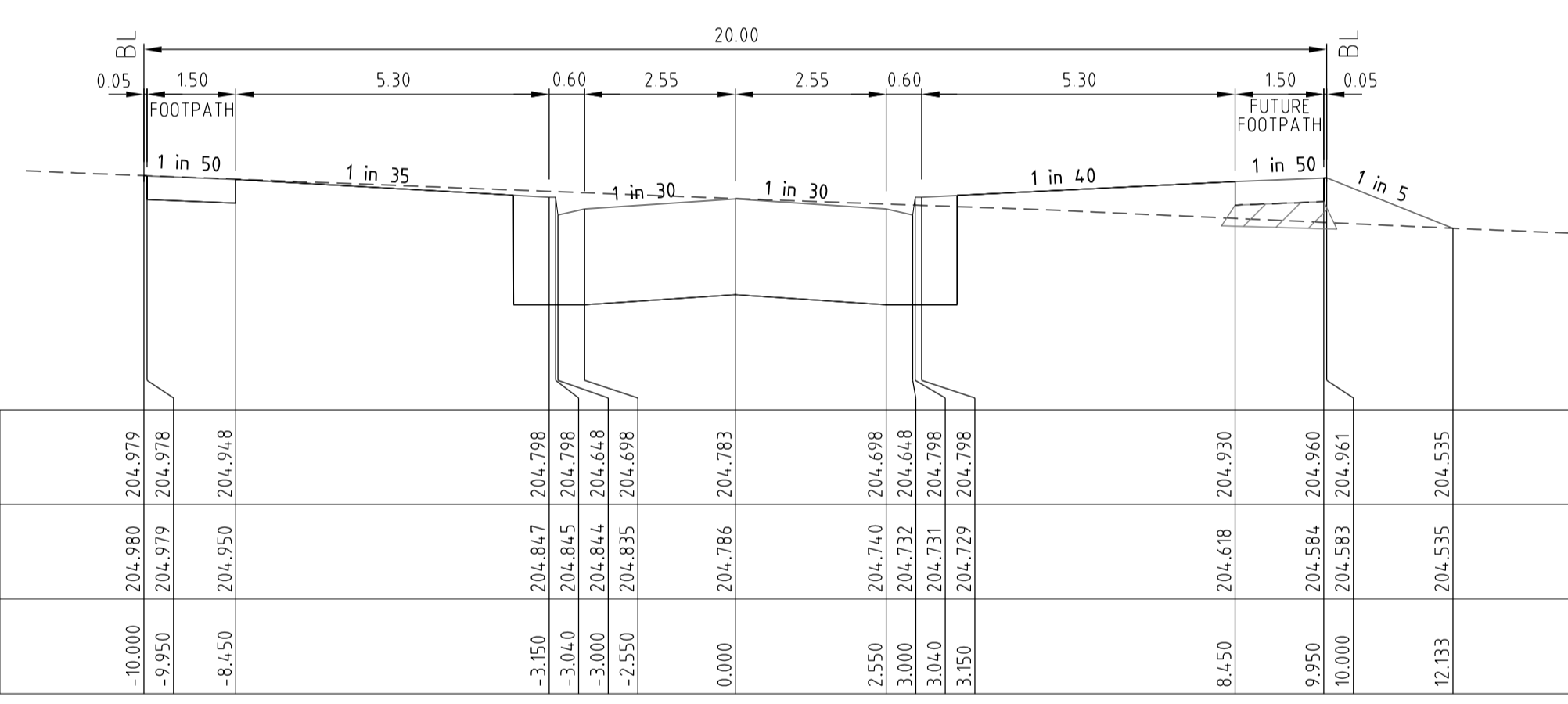
HORIZONTAL CURVE	
VC LENGTH	15.00m V.C.
DESIGN CL GRADE	0.500 %
DATUM 201	
DESIGN CL SURFACE LEVEL	204.916
RIGHT DESIGN LIP OF KERB	204.754
LEFT DESIGN LIP OF KERB	204.831
EXISTING SURFACE RIGHT BOUNDARY	205.036
EXISTING SURFACE LEFT BOUNDARY	205.479
CHAINAGE	14.28

ALPACA DRIVE (LOTS 1143 TO 1107)



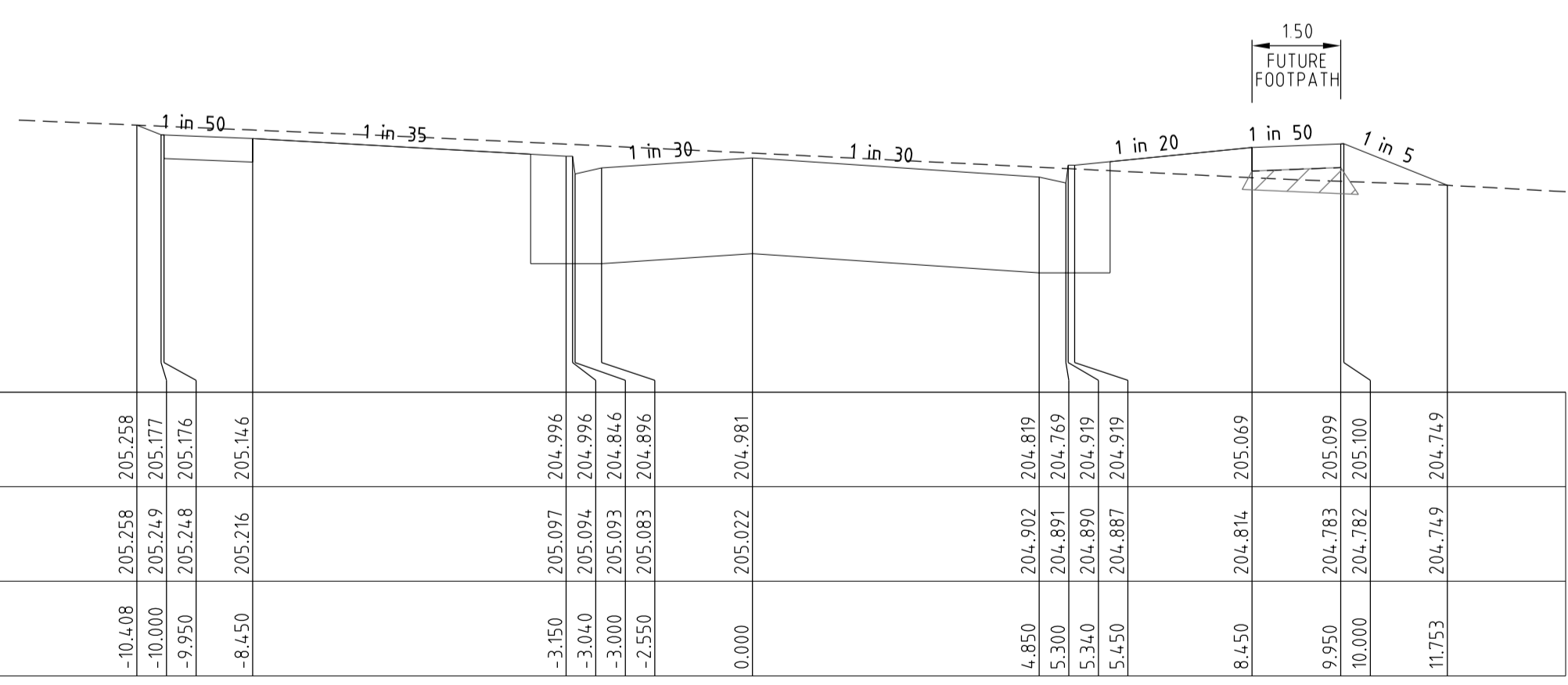
DATUM 203	
DESIGN SURFACE LEVEL	205.130
EXISTING SURFACE LEVEL	205.130
OFFSET	-10.192

ALPACA DRIVE (LOTS 1143 TO 1107) Ch 52.00



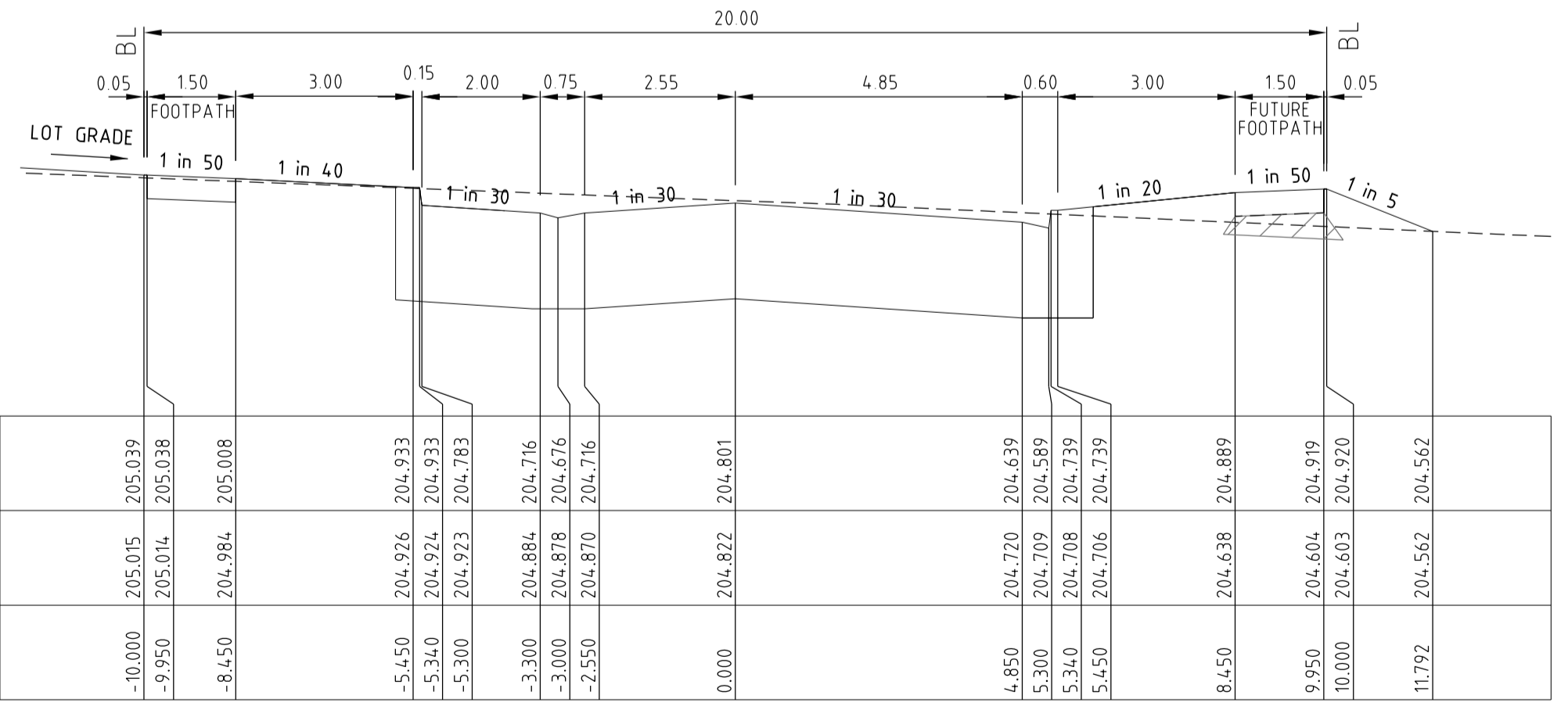
DATUM 203	
DESIGN SURFACE LEVEL	204.979
EXISTING SURFACE LEVEL	204.980
OFFSET	-10.000

ALPACA DRIVE (LOTS 1143 TO 1107) Ch 69.85



DATUM 203	
DESIGN SURFACE LEVEL	205.258
EXISTING SURFACE LEVEL	205.258
OFFSET	-10.108

ALPACA DRIVE (LOTS 1143 TO 1107) Ch 38.00



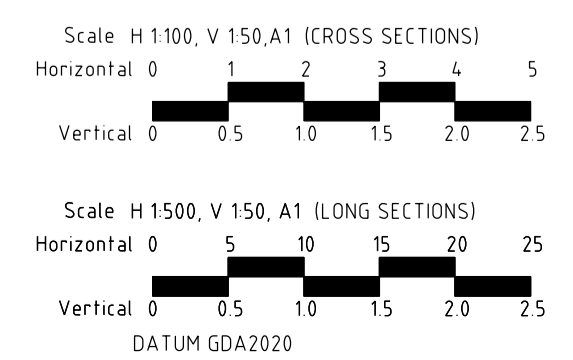
DATUM 203	
DESIGN SURFACE LEVEL	205.039
EXISTING SURFACE LEVEL	205.015
OFFSET	-10.000

ALPACA DRIVE (LOTS 1143 TO 1107) Ch 66.97



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

Rev	Description	Approved	Date
1	CH 69.85 CROSS SECTION UPDATED	M.T.S	30/08/21
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
	Amendments		



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**REDSTONE ESTATE STAGE 11**  
LONGITUDINAL & CROSS SECTIONS  
ALPACA DRIVE (LOTS 1143 TO 1107)  
VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

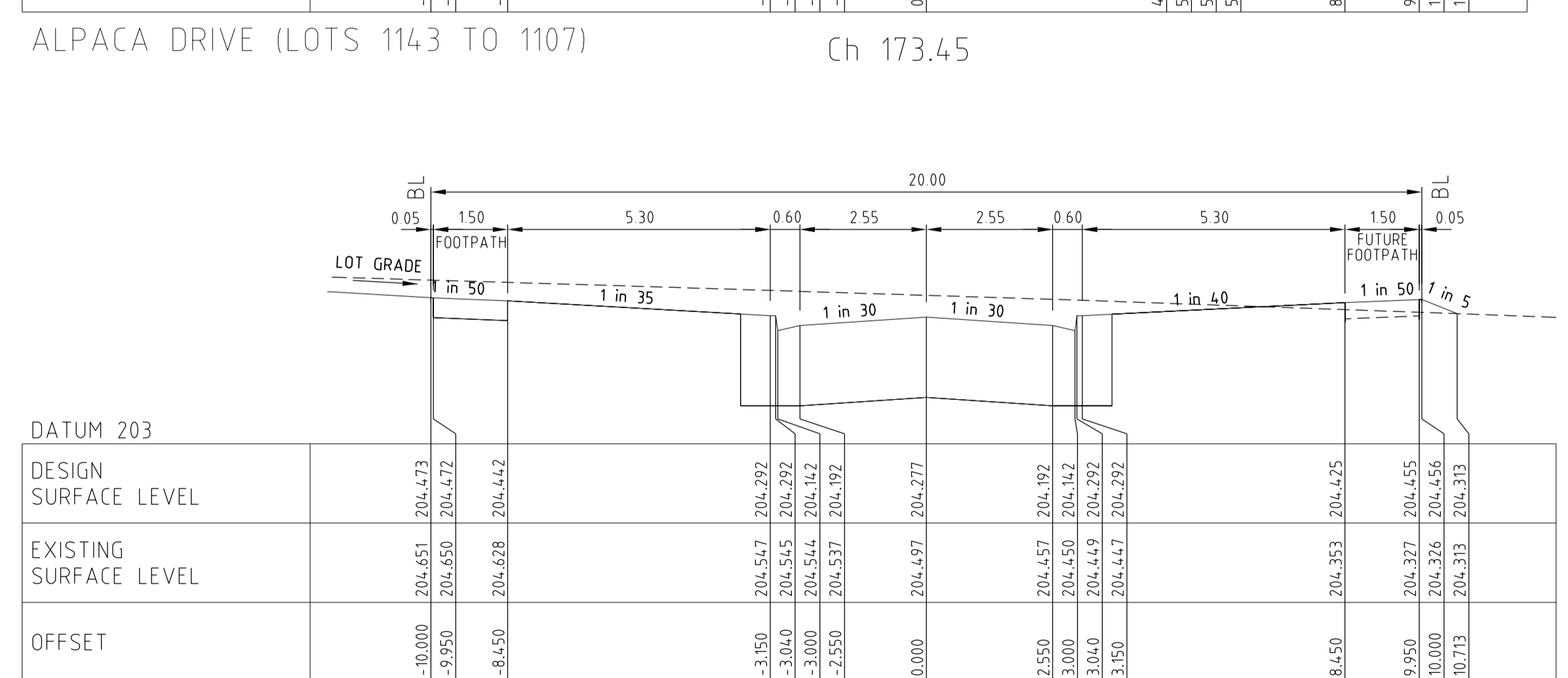
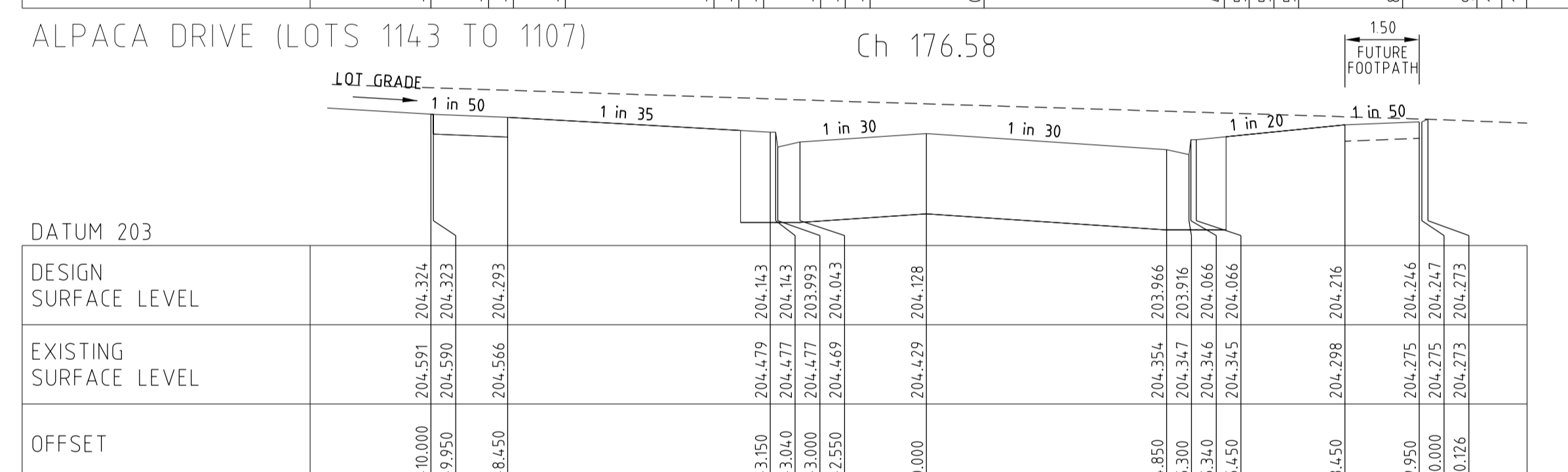
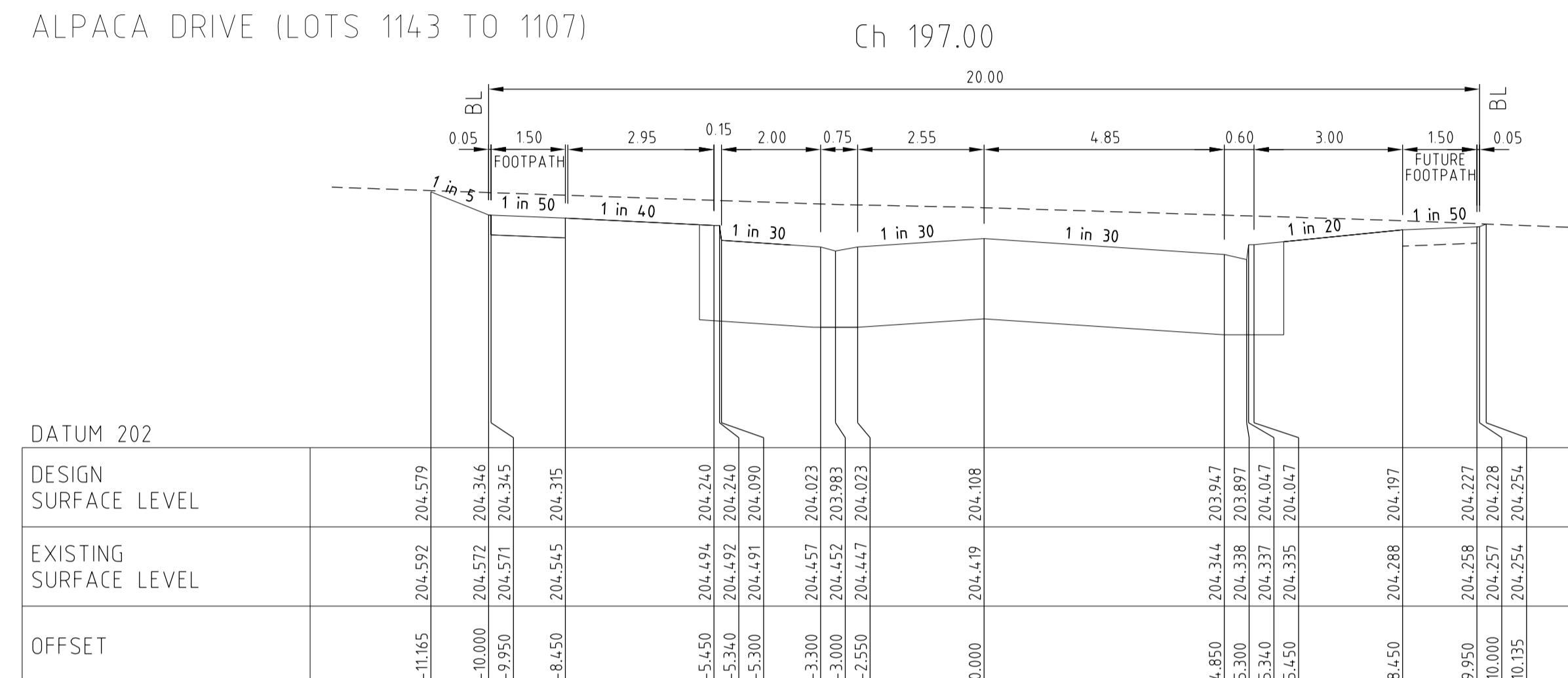
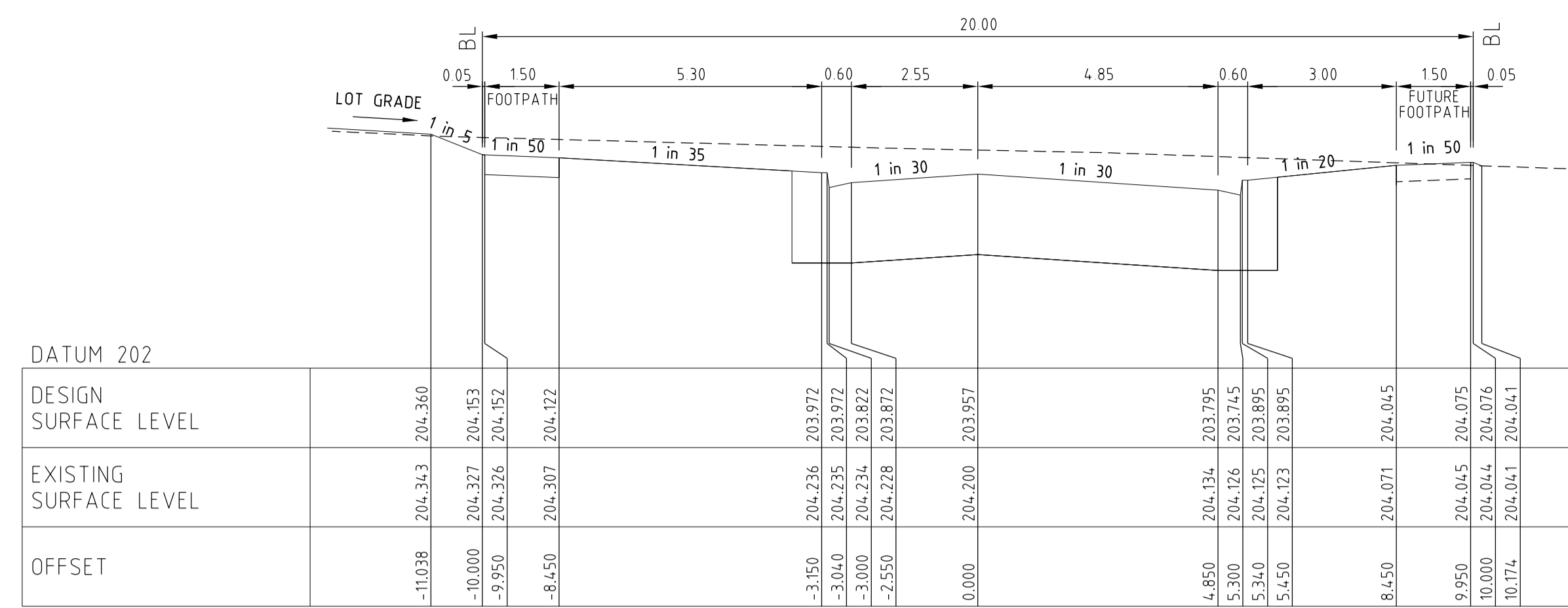
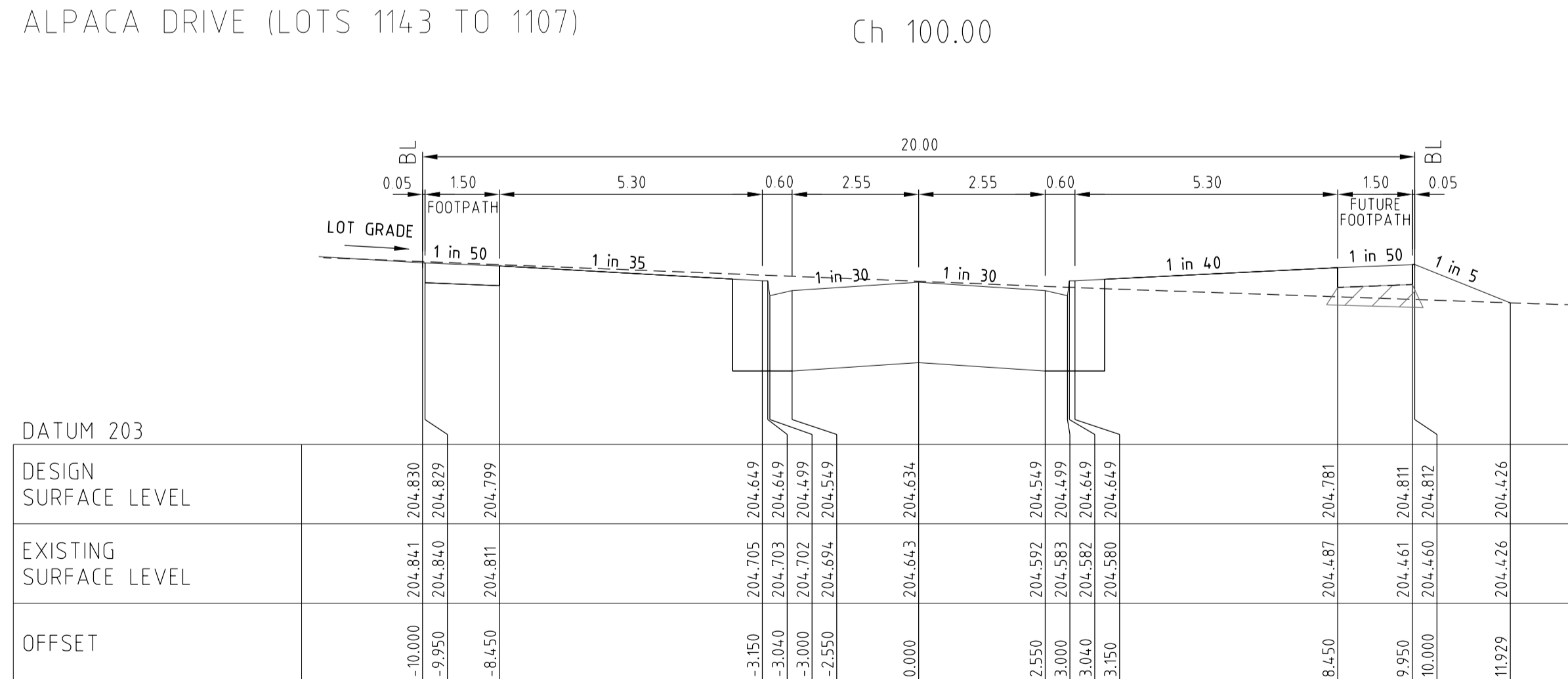
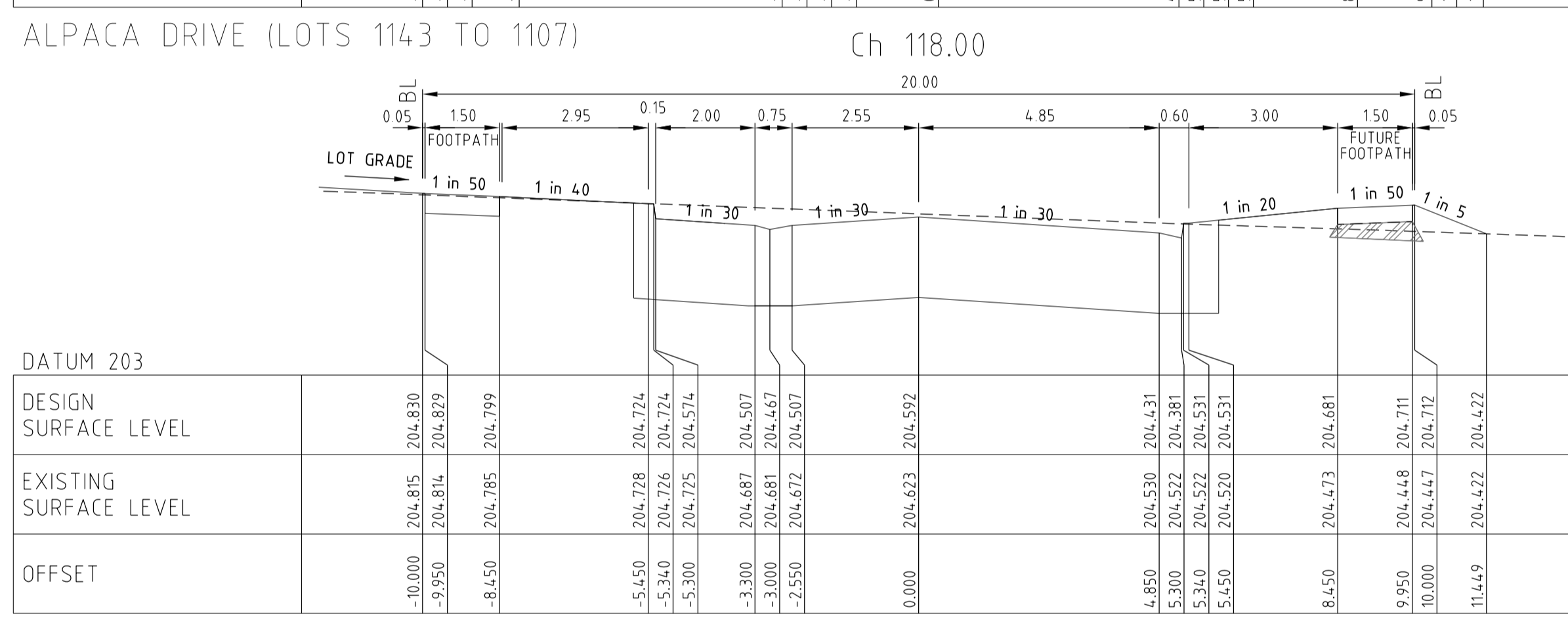
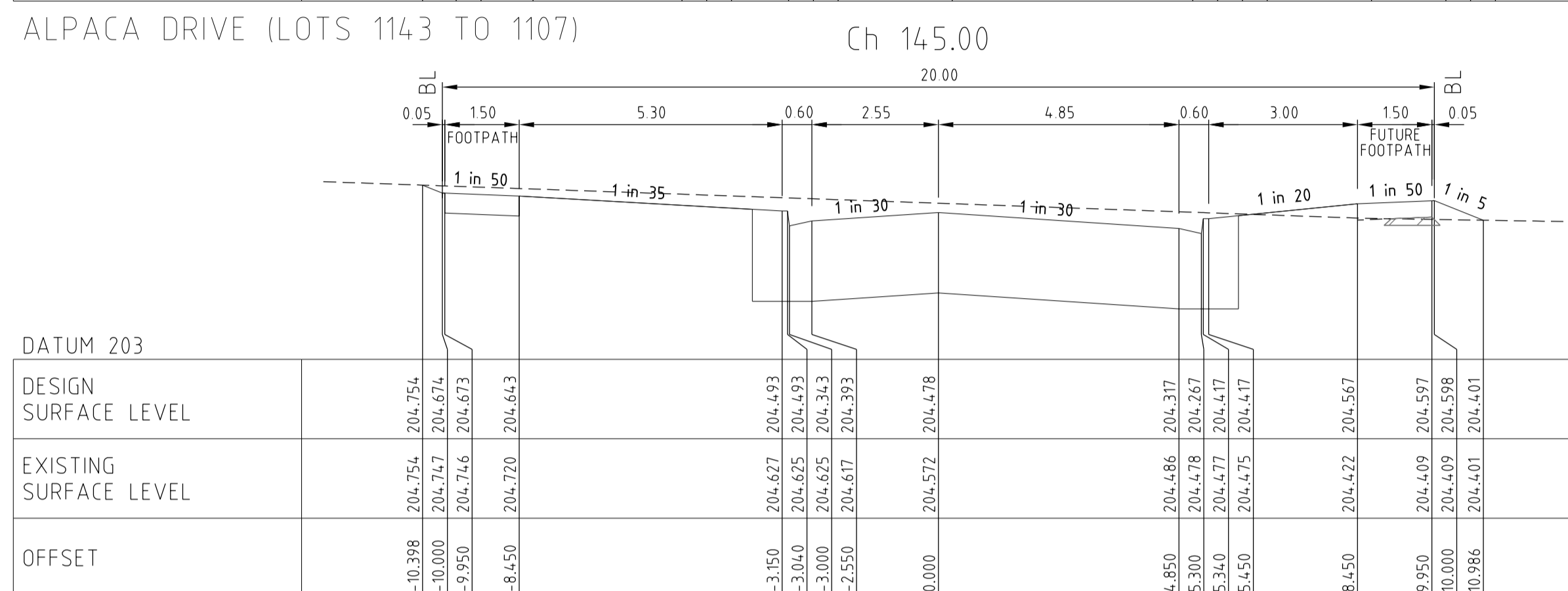
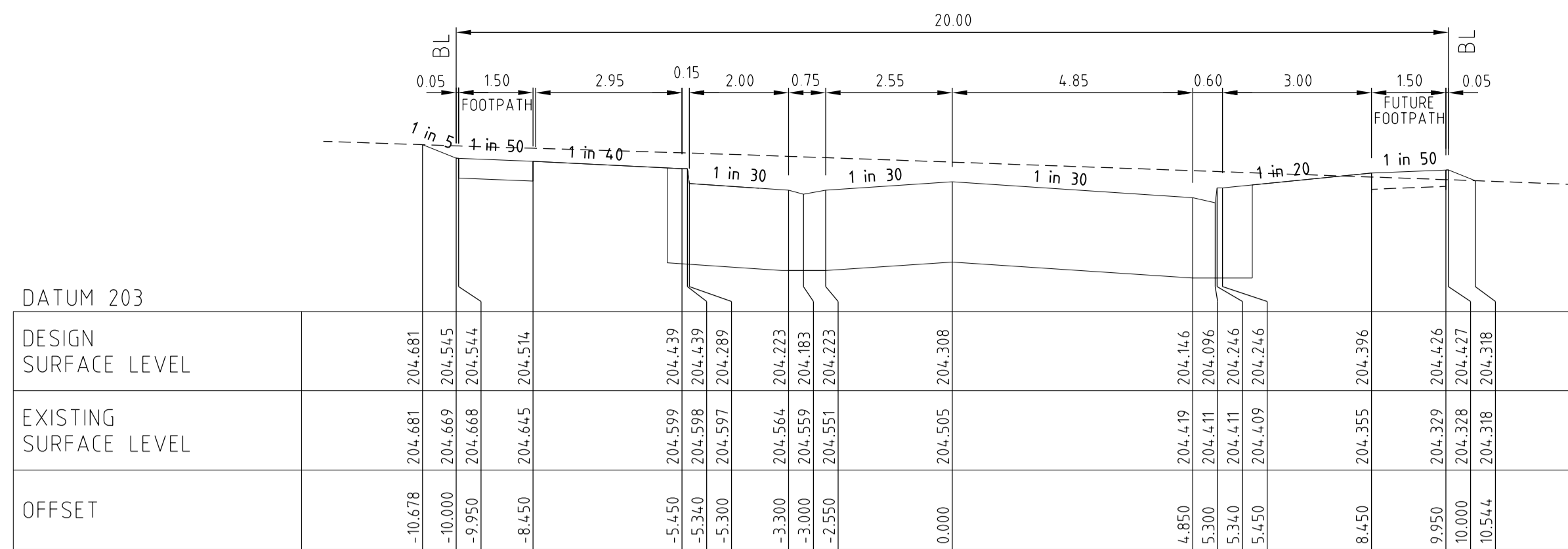
Designed  
**R. WEINBER**  
Authorised  
**M. TOOMER-SMITH**

Checked  
**D. CAMERON**  
Date  
**26/03/21**

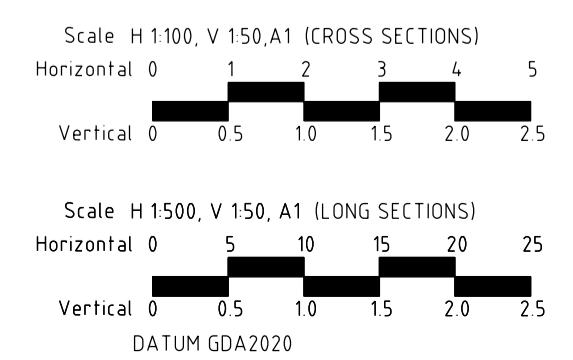
**AS CONSTRUCTED 305922R04**

Drg No  
**305922R04**

Rev  
**1**



Rev	Description	Approved	Date
1	CH 93.45 & 149.85 UPDATED	M.T.S	30/08/21
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
	Amendments	Approved	Date



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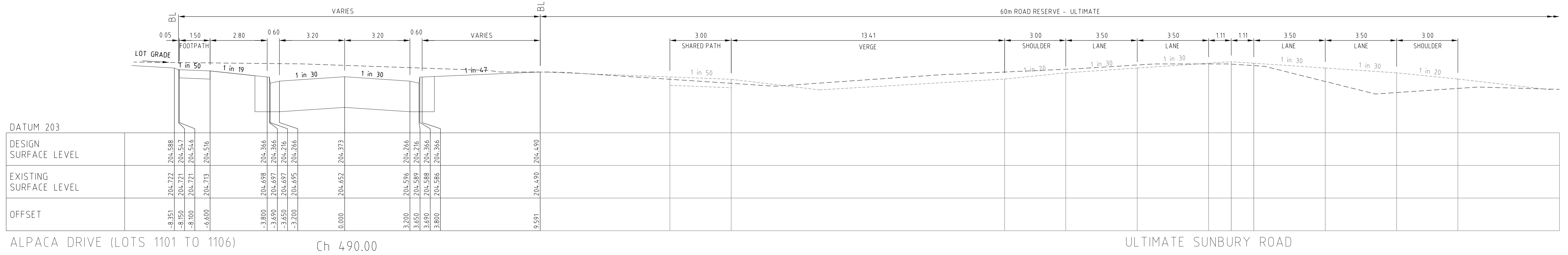
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**villawood properties**  
 Communities Designed for Living  
 Designed by R. WEINBER  
 Authorised by M. TOOMER-SMITH

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 Date 26/03/21

**REDSTONE ESTATE**  
**STAGE 11**  
 CROSS SECTIONS  
 ALPACA DRIVE (LOTS 1143 TO 1107)  
 VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL  
 AS CONSTRUCTED

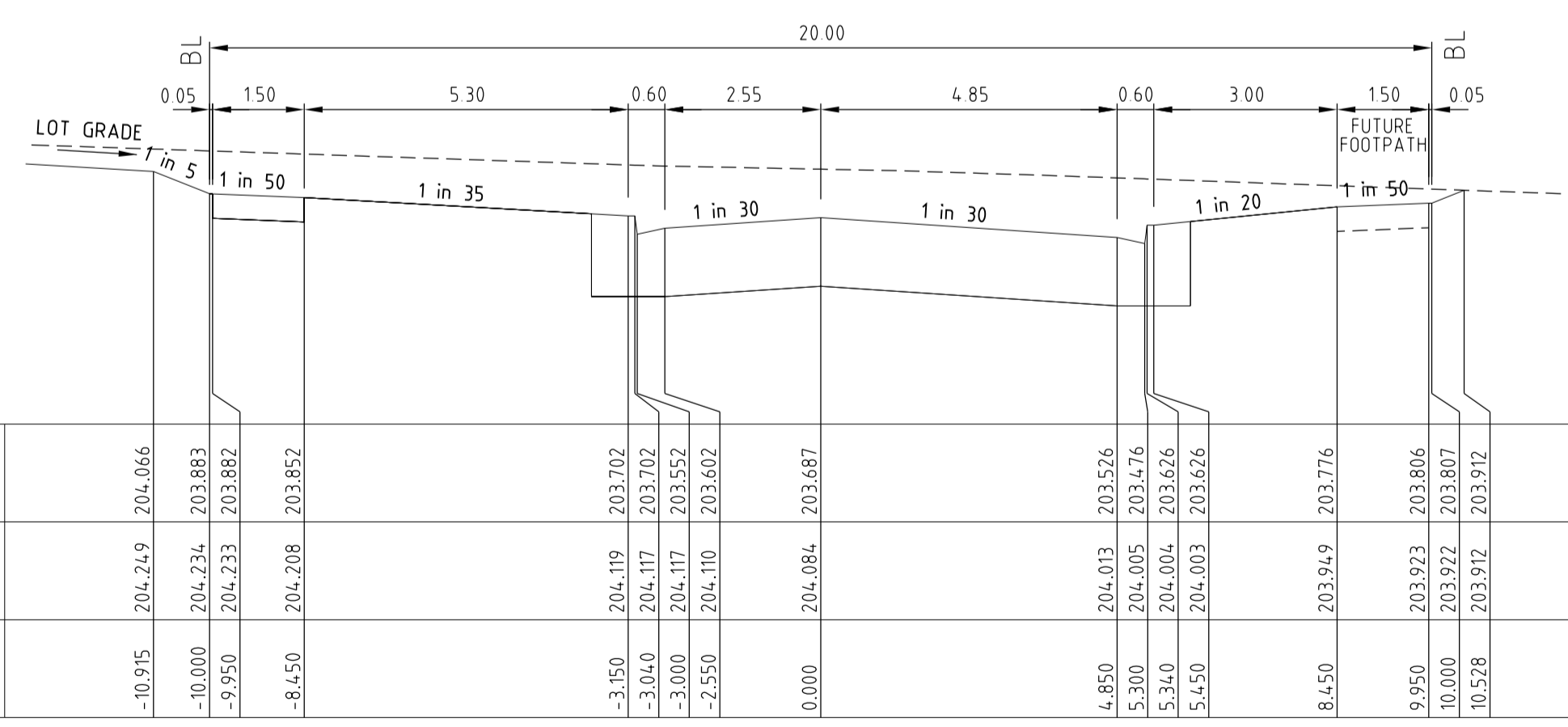
Drg No 305922R05  
 Rev 1



ALPACA DRIVE (LOTS 1101 TO 1106)

Ch 490.00

ULTIMATE SUNBURY ROAD

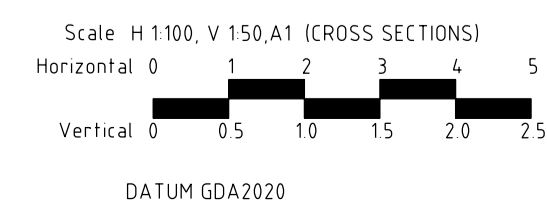


ALPACA DRIVE (LOTS 1143 TO 1107)

Ch 218.88

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

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.T.S	04/08/21



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Checked  
D. CAMERON

Authorised  
M. TOOMER-SMITH

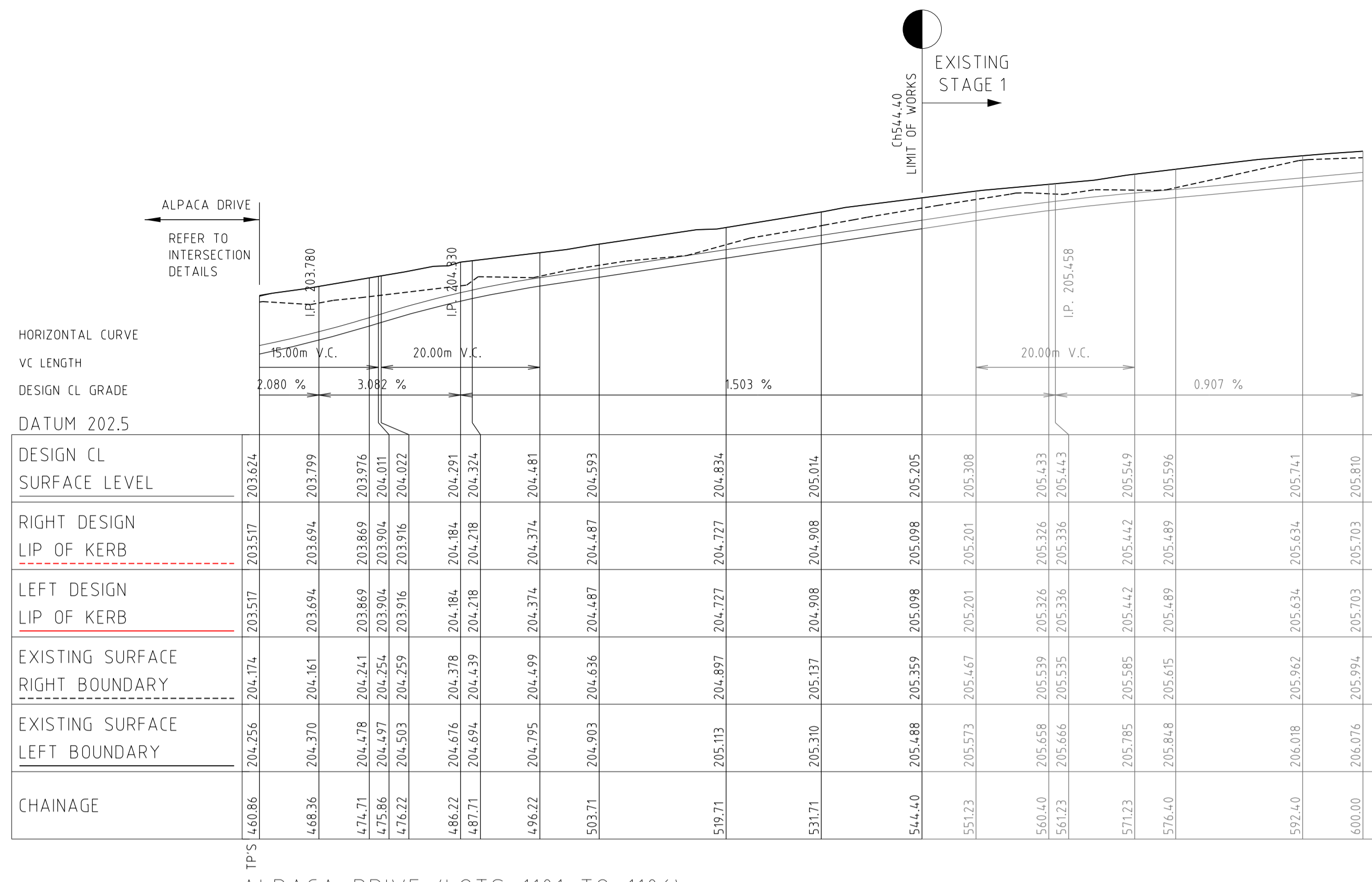
Date  
26/03/21

**REDSTONE ESTATE**  
**STAGE 11**  
**CROSS SECTIONS**  
**ALPACA DRIVE (LOTS 1143 TO 1107)**  
**VILLAWOOD PROPERTIES**  
**HUME CITY COUNCIL**

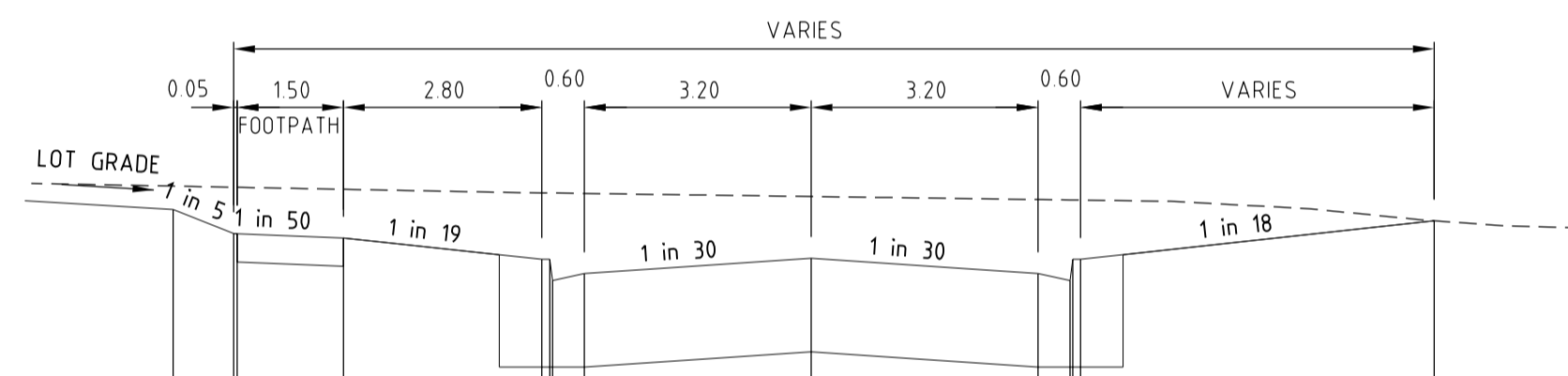
**AS CONSTRUCTED** 305922R06

Drg No  
305922R06

Rev  
0

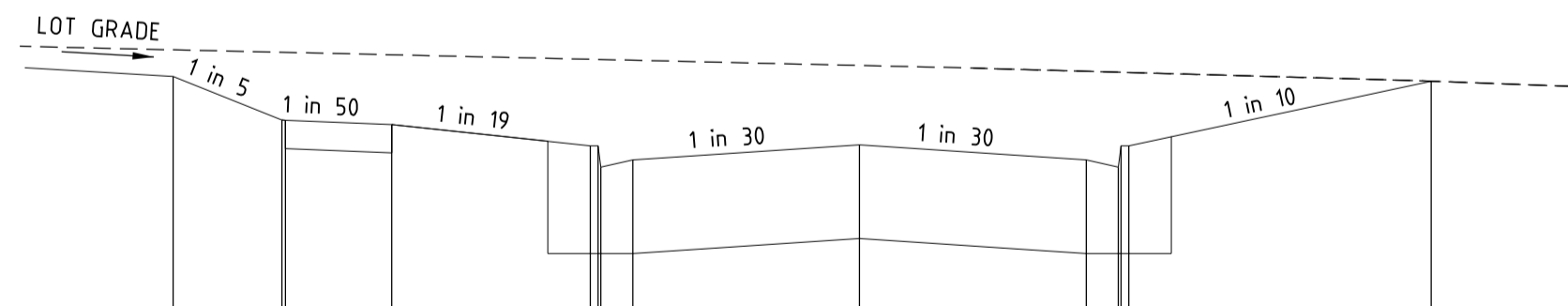


ALPACA DRIVE (LOTS 1101 TO 1106)



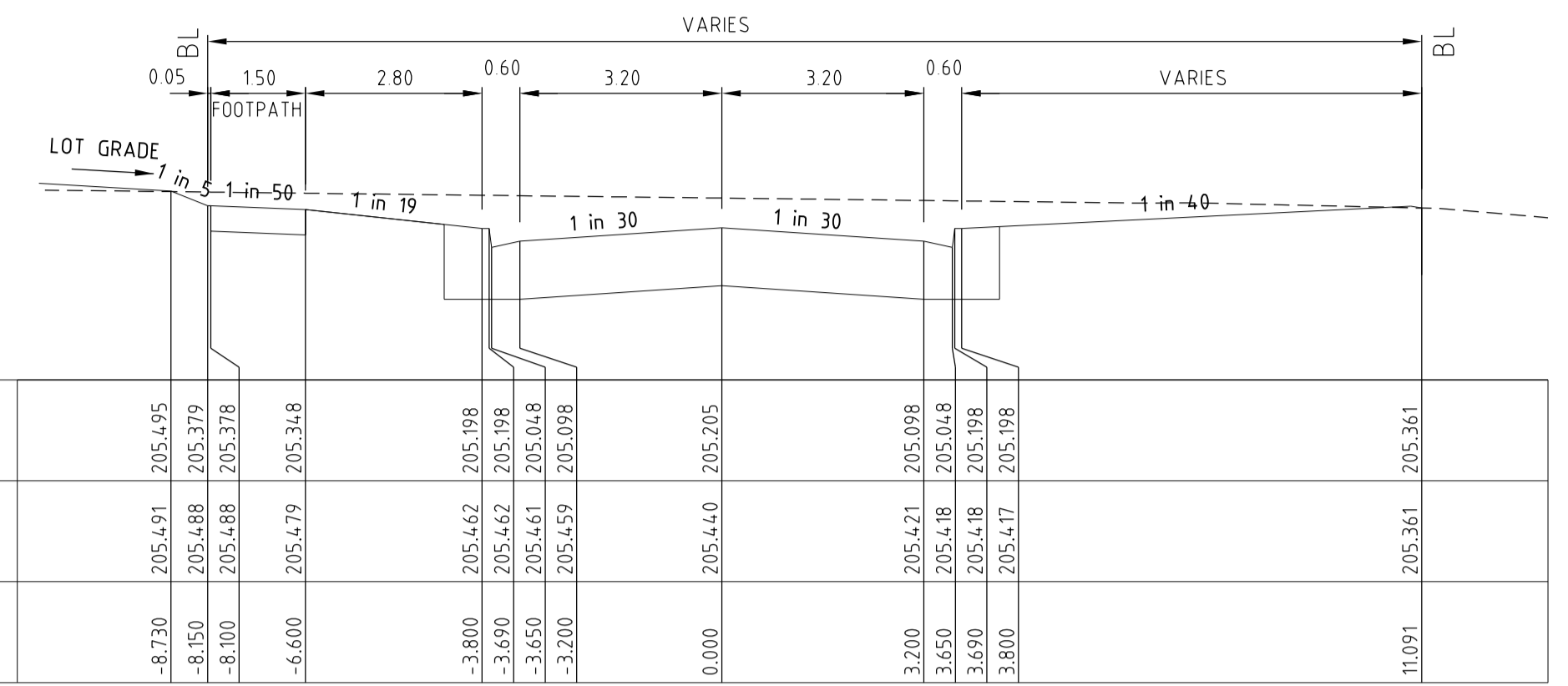
DATUM 202	204.486	204.150	204.119	203.969	203.869	204.241
DESIGN SURFACE LEVEL	204.486	204.150	204.119	203.969	203.869	204.241
EXISTING SURFACE LEVEL	204.438	204.437	204.463	204.438	204.388	204.241
OFFSET	-9.002	-8.150	-8.100	-6.600	-3.800	8.791

ALPACA DRIVE (LOTS 1101 TO 1106) Ch 474.71

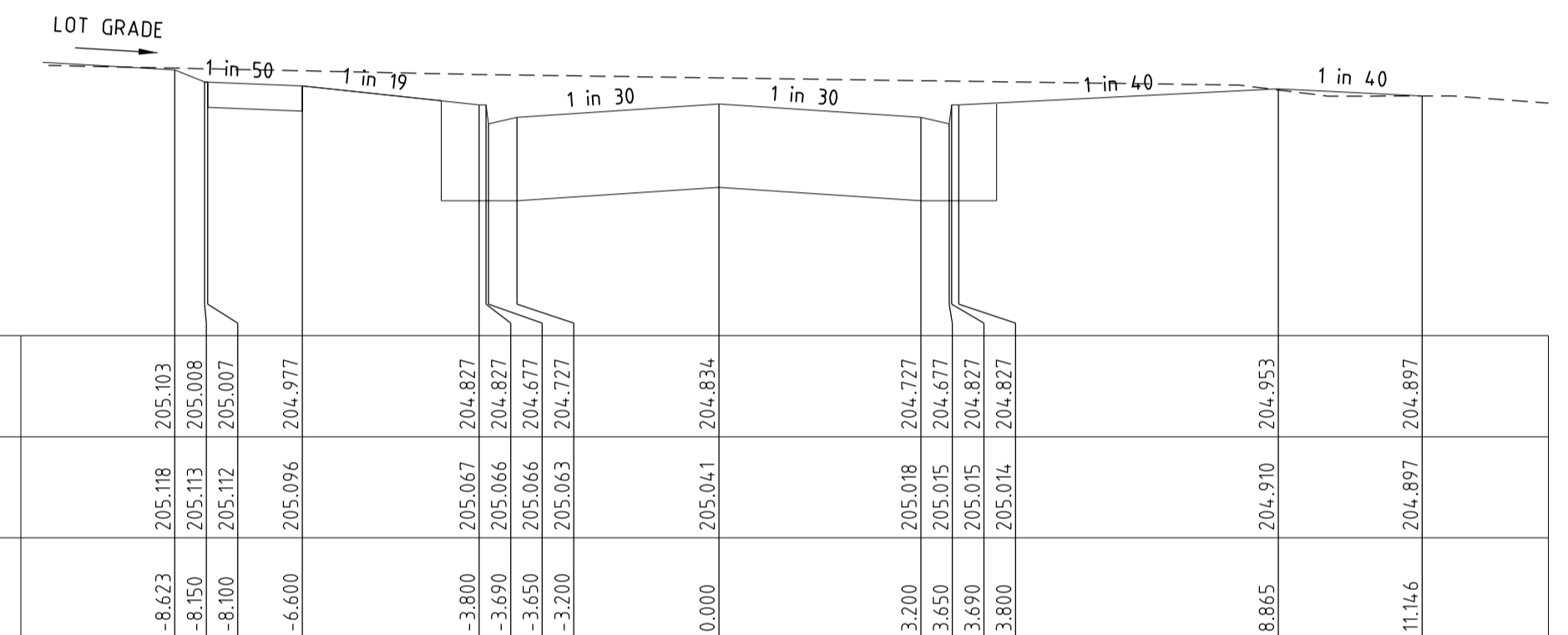


DATUM 202	204.256	203.797	203.767	203.617	204.06
DESIGN SURFACE LEVEL	204.256	203.797	203.767	203.617	204.06
EXISTING SURFACE LEVEL	204.219	204.217	204.217	204.181	204.174
OFFSET	-9.684	-8.150	-8.100	-6.600	8.066

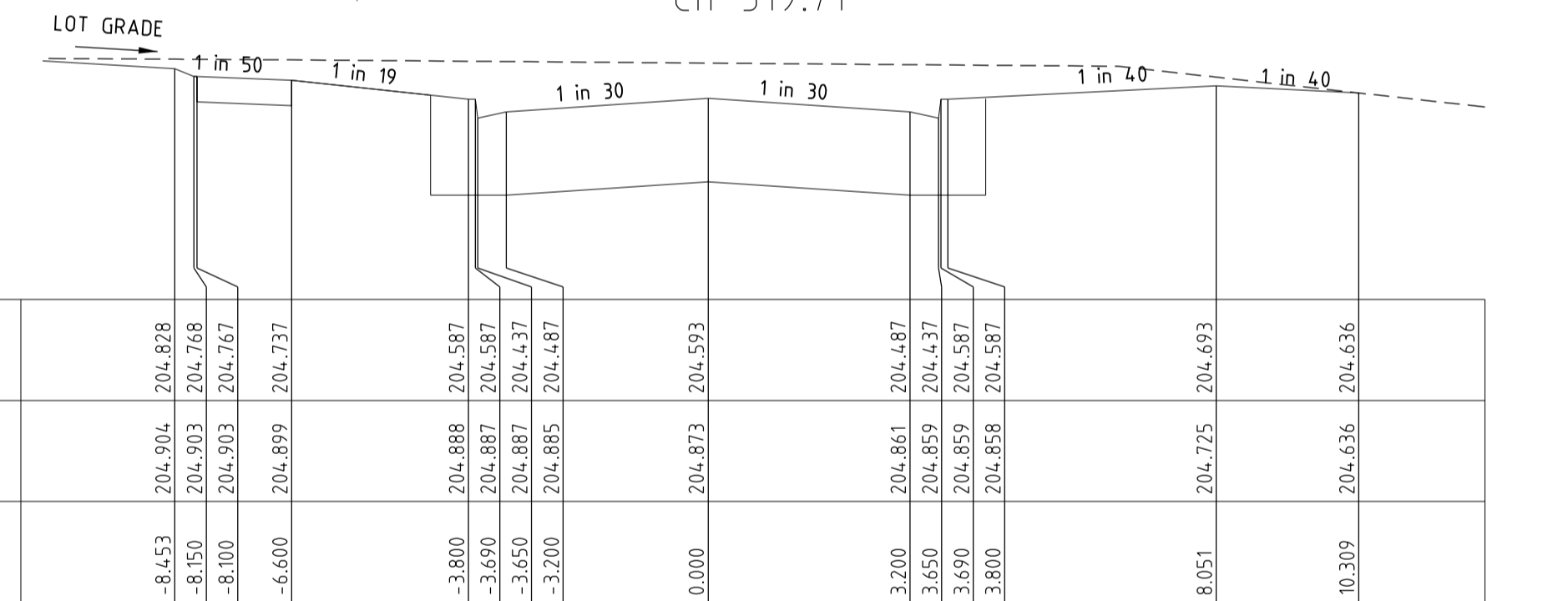
ALPACA DRIVE (LOTS 1101 TO 1106) Ch 460.86



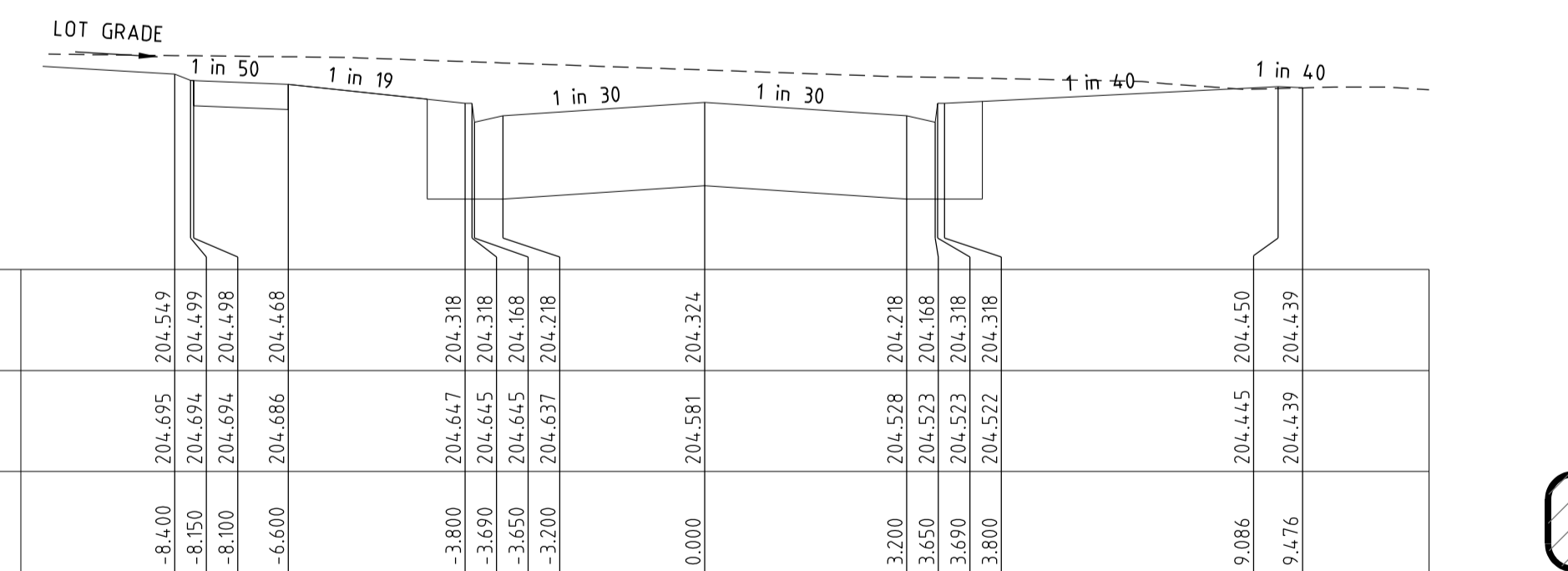
ALPACA DRIVE (LOTS 1101 TO 1106) Ch 544.40 LIMIT OF WORKS



ALPACA DRIVE (LOTS 1101 TO 1106) Ch 519.71



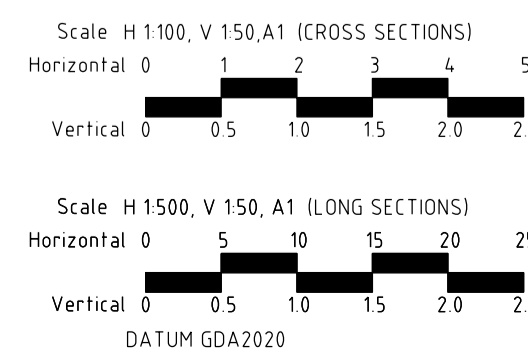
ALPACA DRIVE (LOTS 1101 TO 1106) Ch 503.71



ALPACA DRIVE (LOTS 1101 TO 1106) Ch 487.71

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

Rev	Description	Approved	Date
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
	Amendments		



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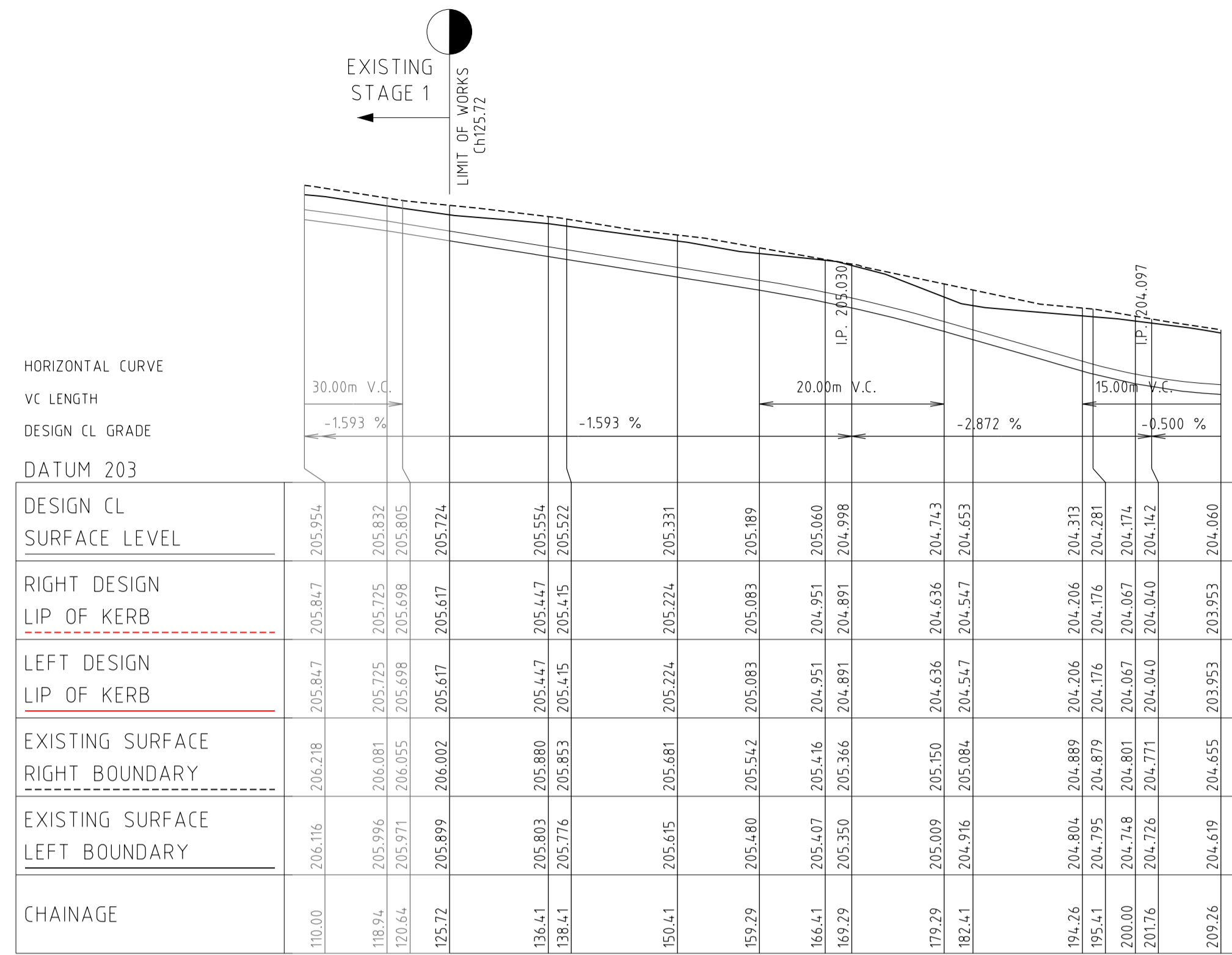
villawood properties  
Communities Designed for Living  
Designed by R. WEINBER  
Authorised M. TOOMER-SMITH

Redstone  
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Checked by D. CAMERON  
Date 26/03/21

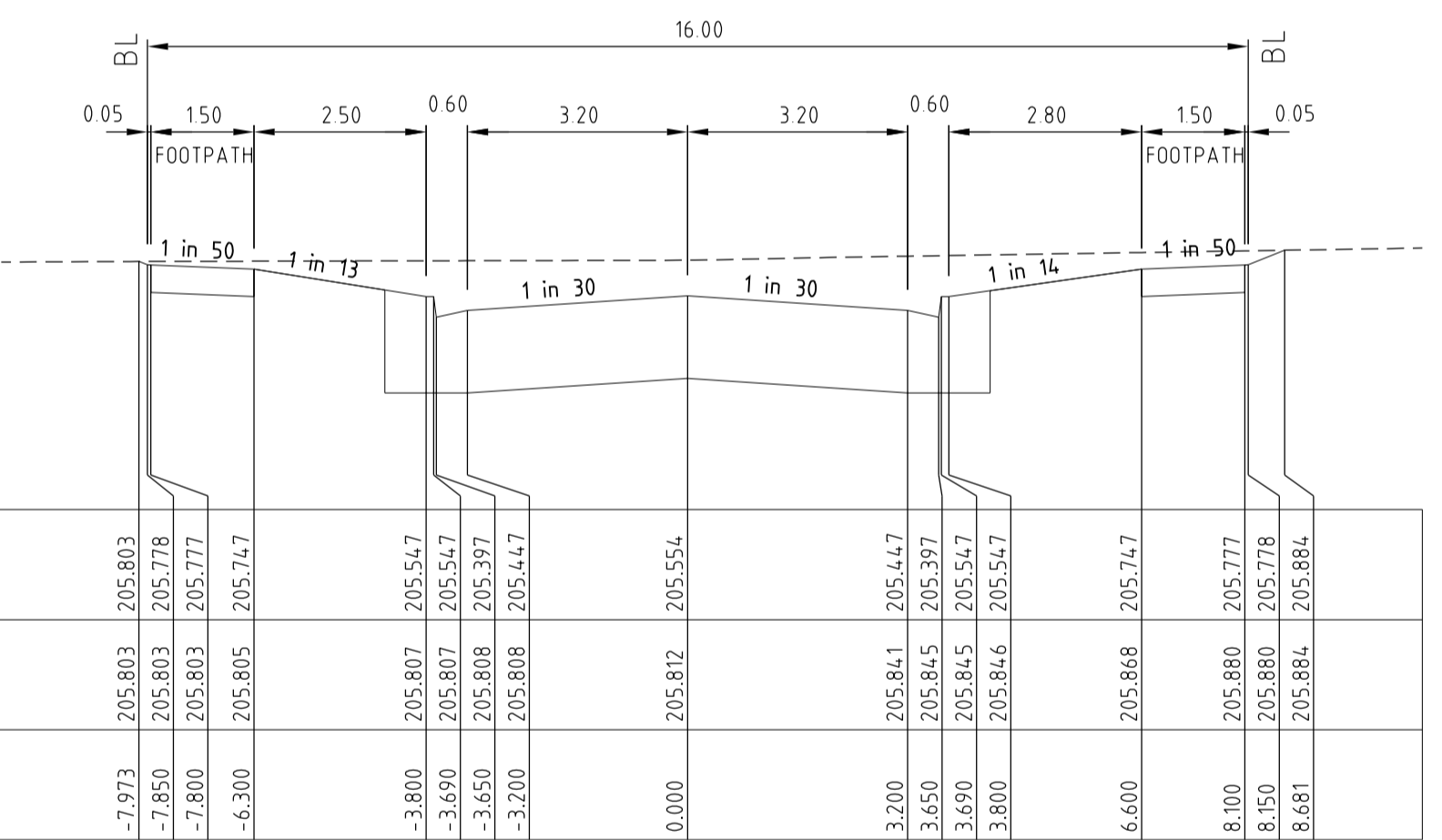
REDSTONE ESTATE  
STAGE 11  
LONGITUDINAL & CROSS SECTIONS  
ALPACA DRIVE (LOTS 1101 TO 1106)  
VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

AS CONSTRUCTED 305922R07

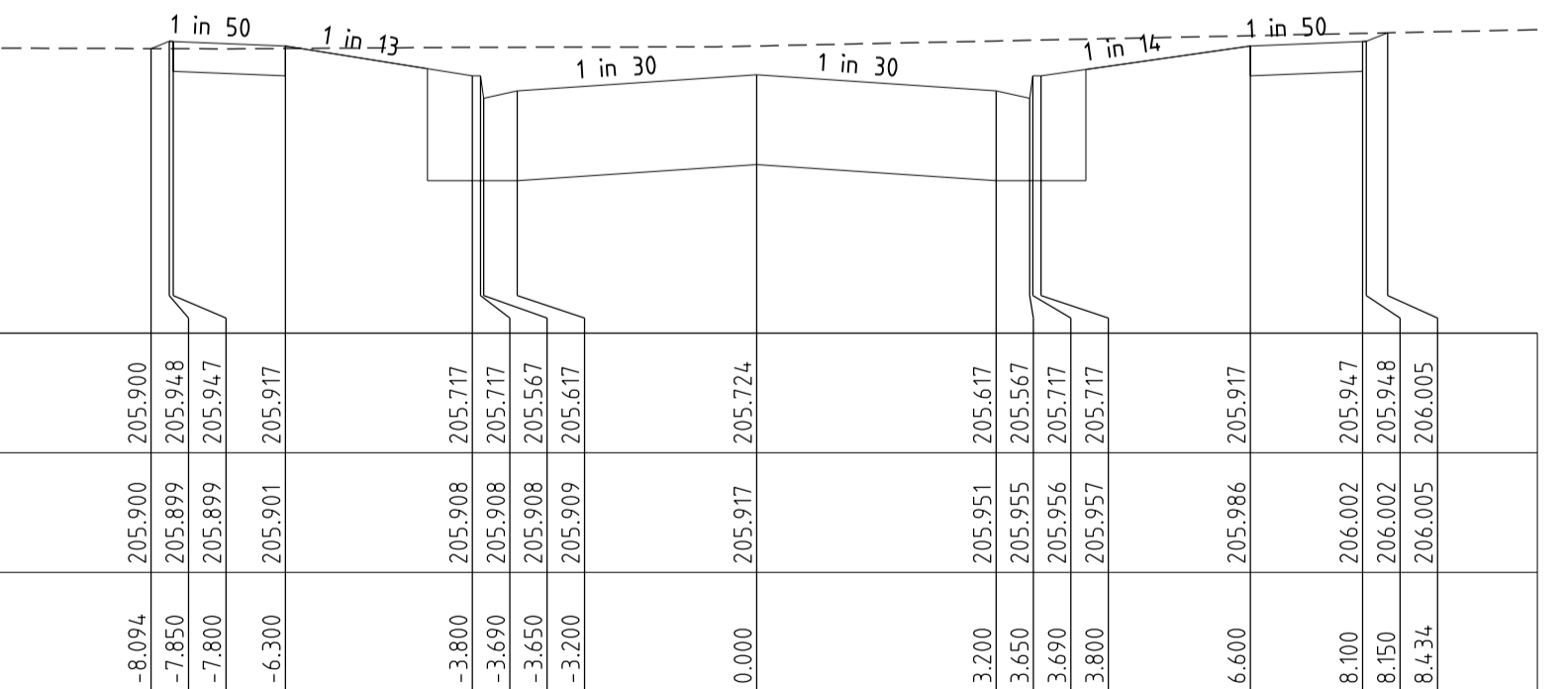
Rev 0



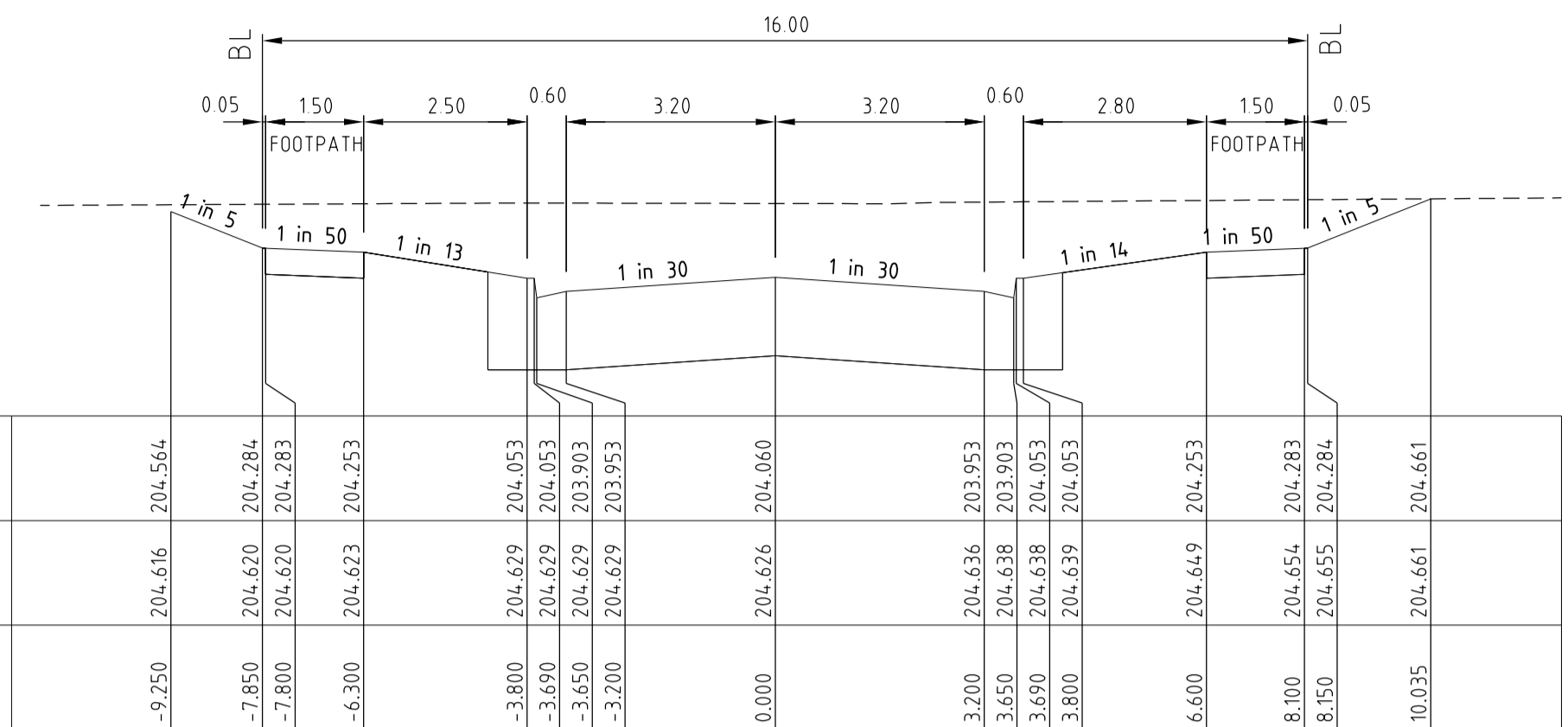
PRESIDENT ROAD



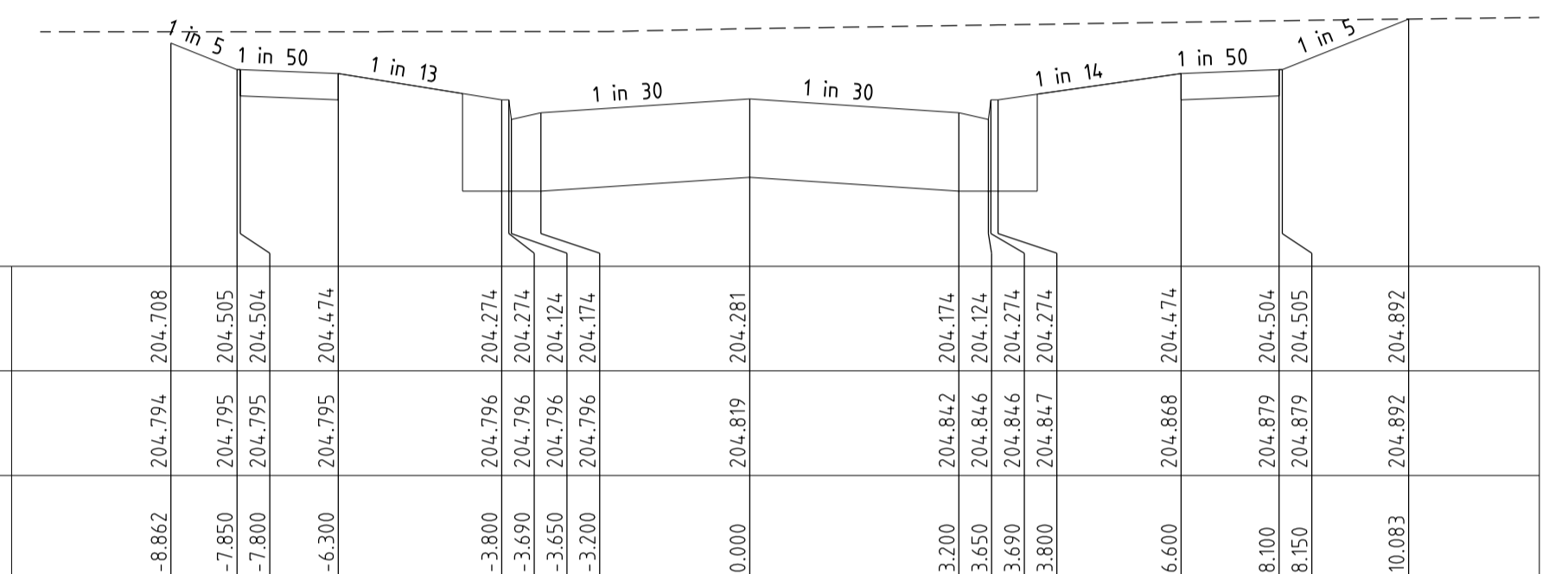
PRESIDENT BOULEVARD Ch 136.41



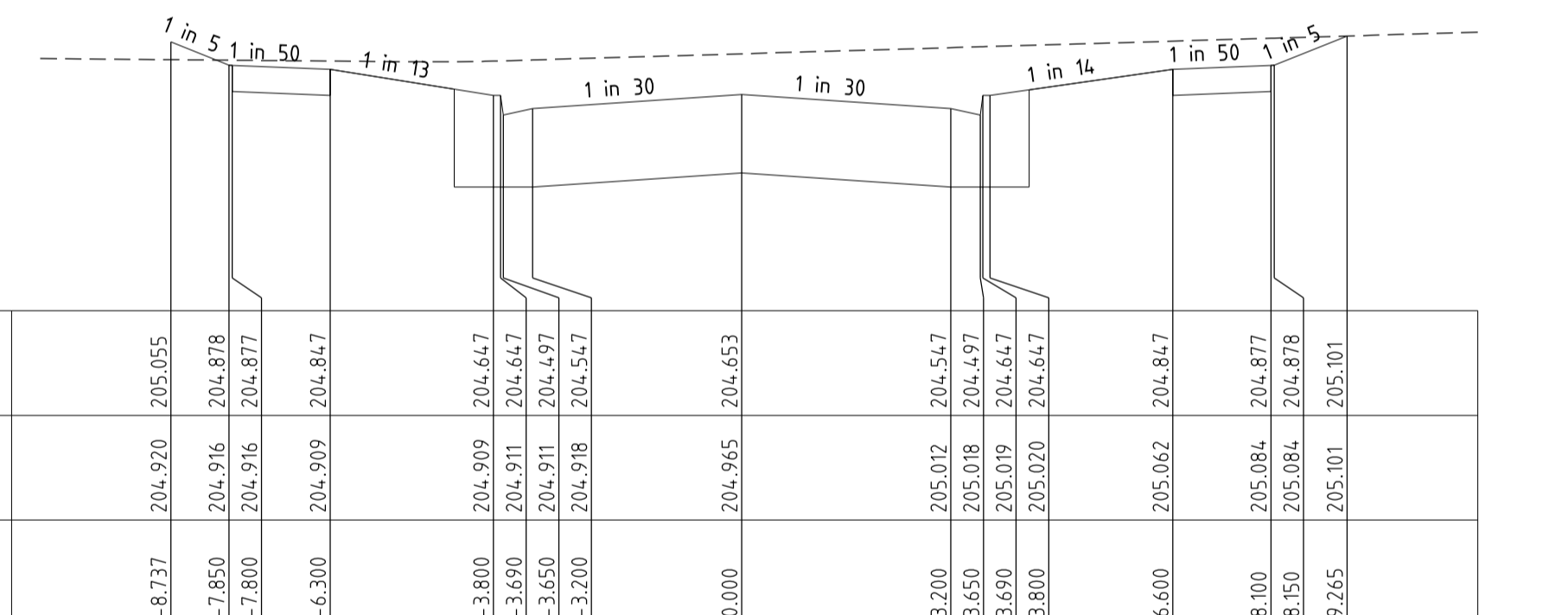
PRESIDENT BOULEVARD Ch 125.72 LIMIT OF WORKS



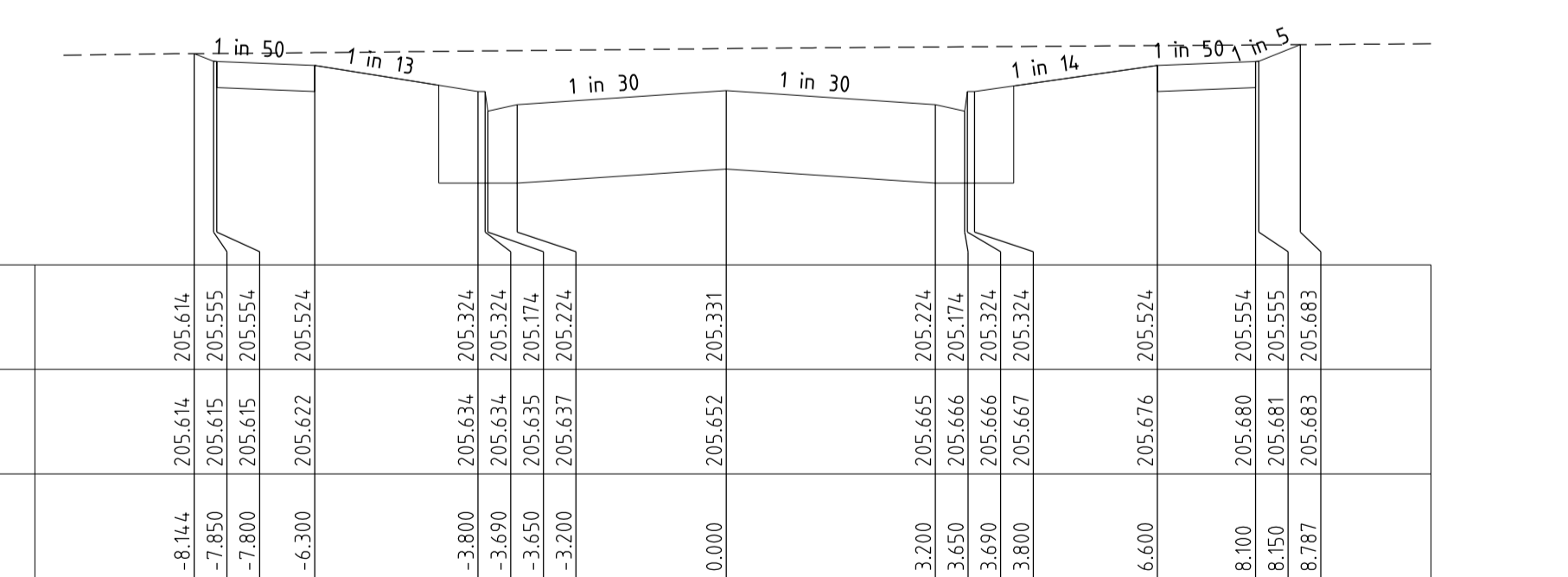
PRESIDENT BOULEVARD Ch 209.26



PRESIDENT BOULEVARD Ch 195.41



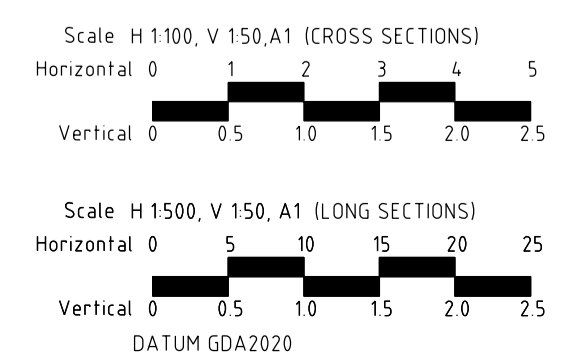
PRESIDENT BOULEVARD Ch 182.41



PRESIDENT BOULEVARD Ch 150.41

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

Rev	Description	Approved	Date
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Authorised by M. TOOMER-SMITH

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Date 26/03/21

**REDSTONE ESTATE STAGE 11**  
LONGITUDINAL & CROSS SECTIONS  
PRESIDENT ROAD  
VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

**AS CONSTRUCTED 305922R08**

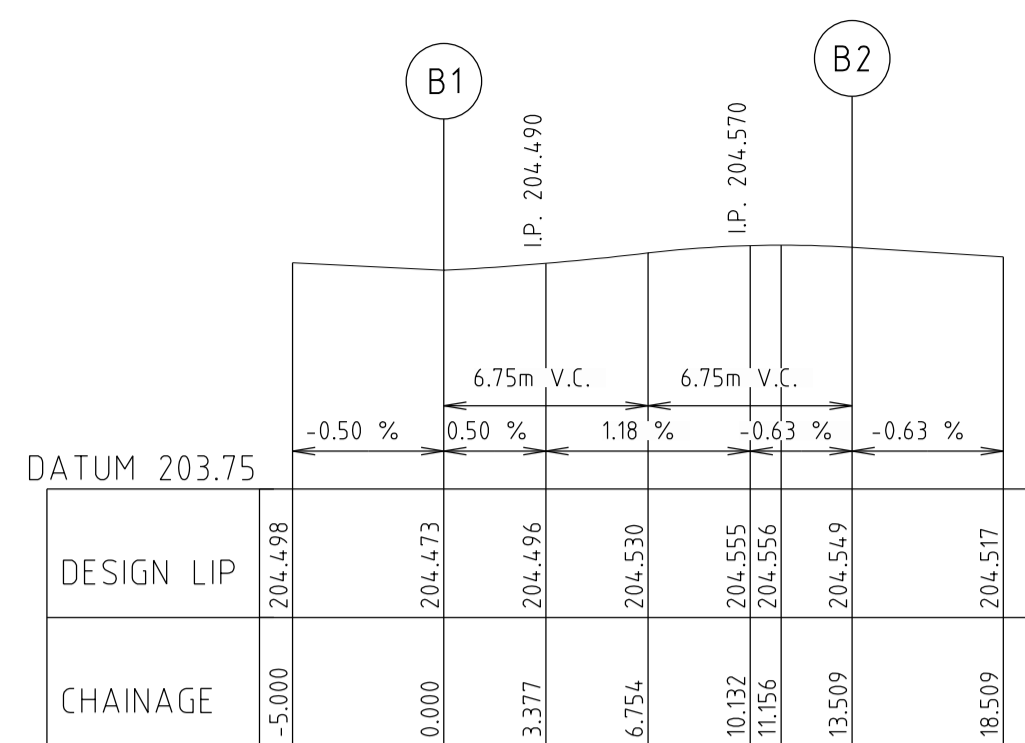
Drg No 305922R08 Rev 0







GDA2020

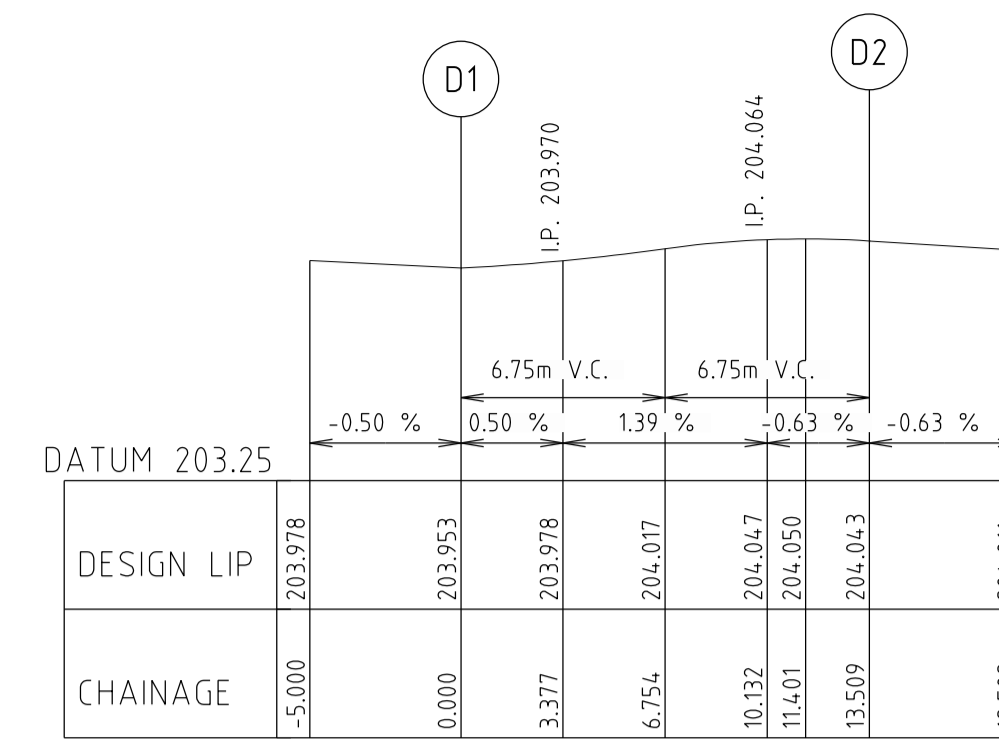
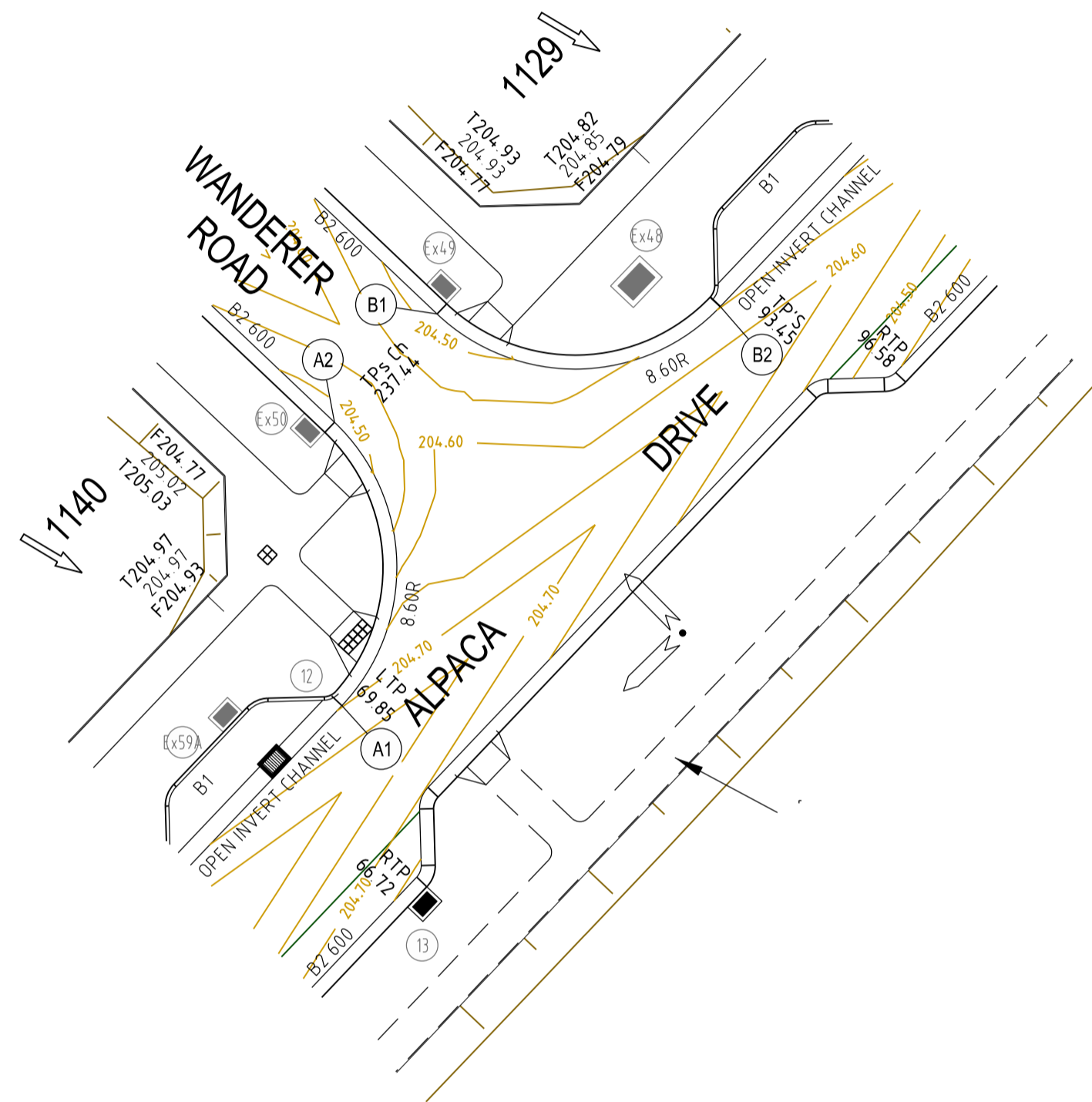


ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	302524.166	5835847.673	204.473
1/4	302527.004	5835845.882	204.496
1/2	302530.311	5835845.313	204.530
3/4	302533.583	5835846.054	204.555
B2	302536.324	5835847.990	204.549

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
B1-B2	8.600	13.509	12.162	2.519	-0.655

LIP LINE B  
Hor250  
Ver25

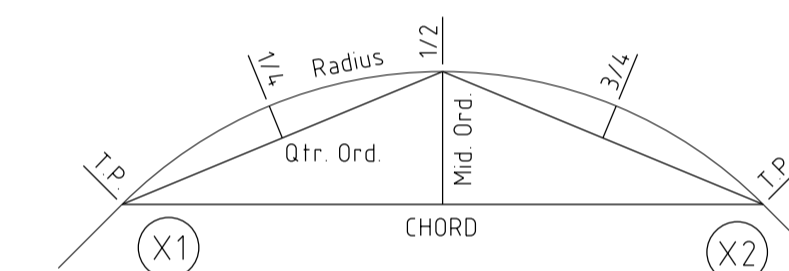
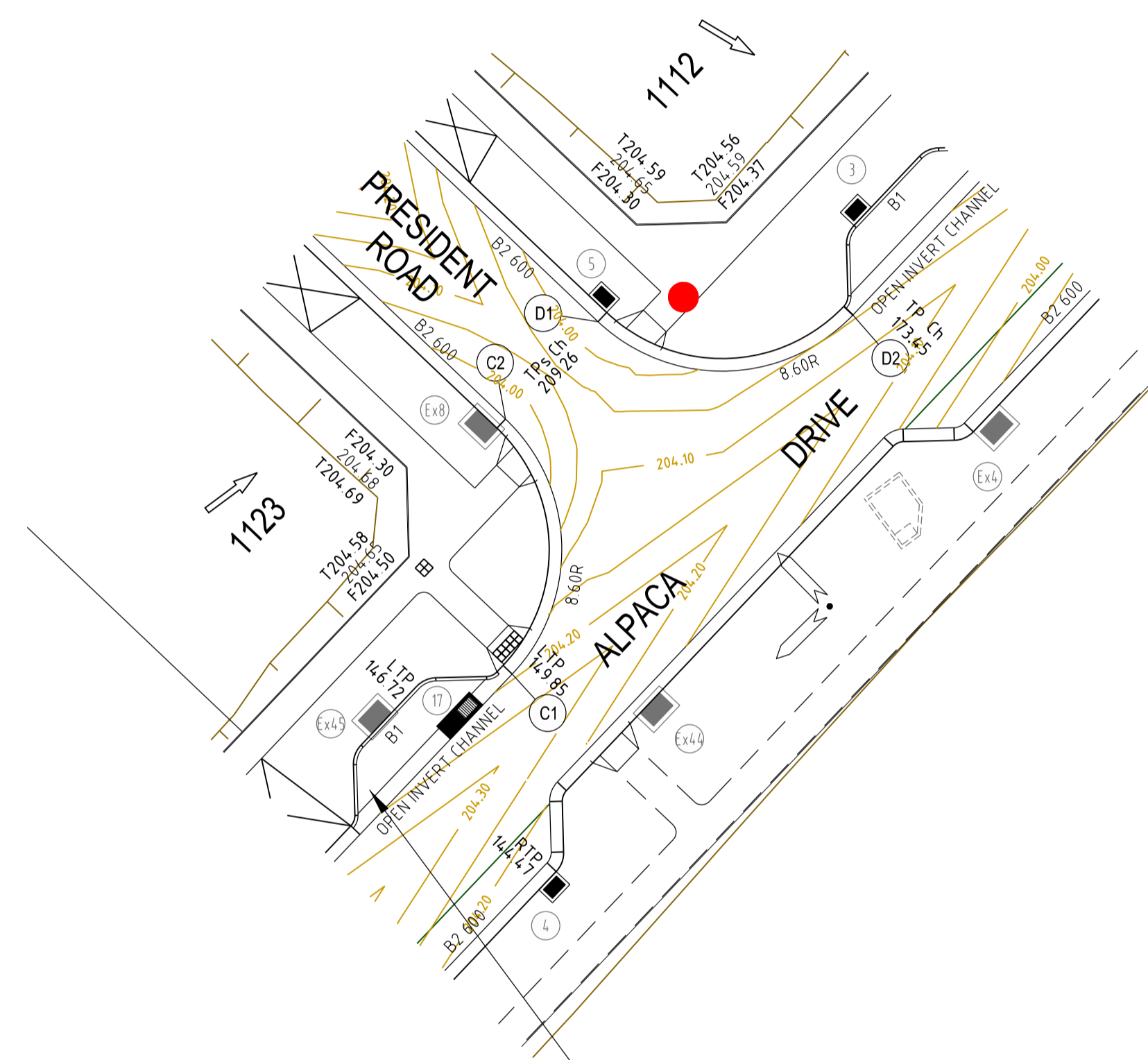


ALIGNMENT D

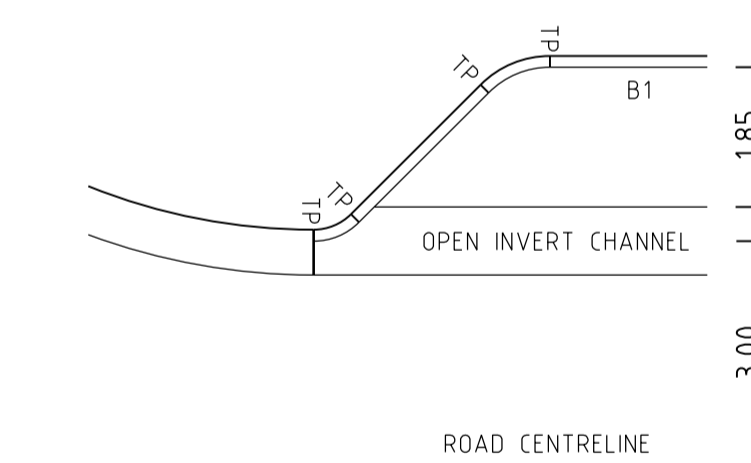
POINT NO	EASTING	NORTHING	RL
D1	302579.240	5835905.697	203.953
1/4	302582.078	5835903.906	203.978
1/2	302585.385	5835903.338	204.017
3/4	302588.658	5835904.078	204.047
D2	302591.398	5835906.015	204.043

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
D1-D2	8.600	13.509	12.162	2.519	-0.655

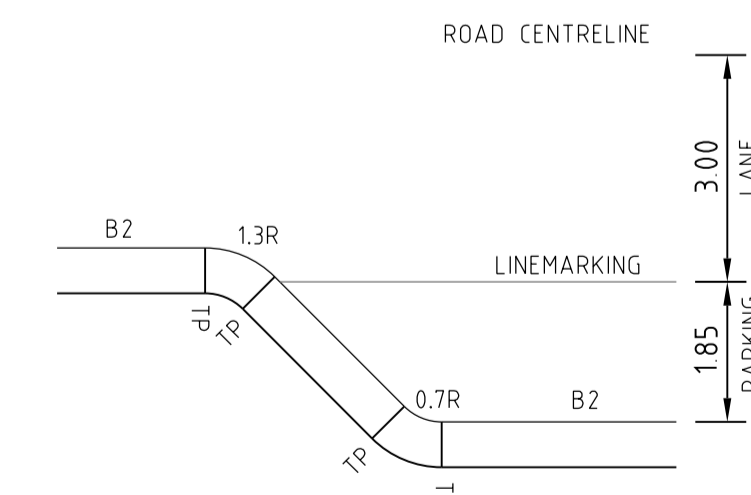
LIP LINE D  
Hor250  
Ver25



KERB RETURN SETOUT DETAIL

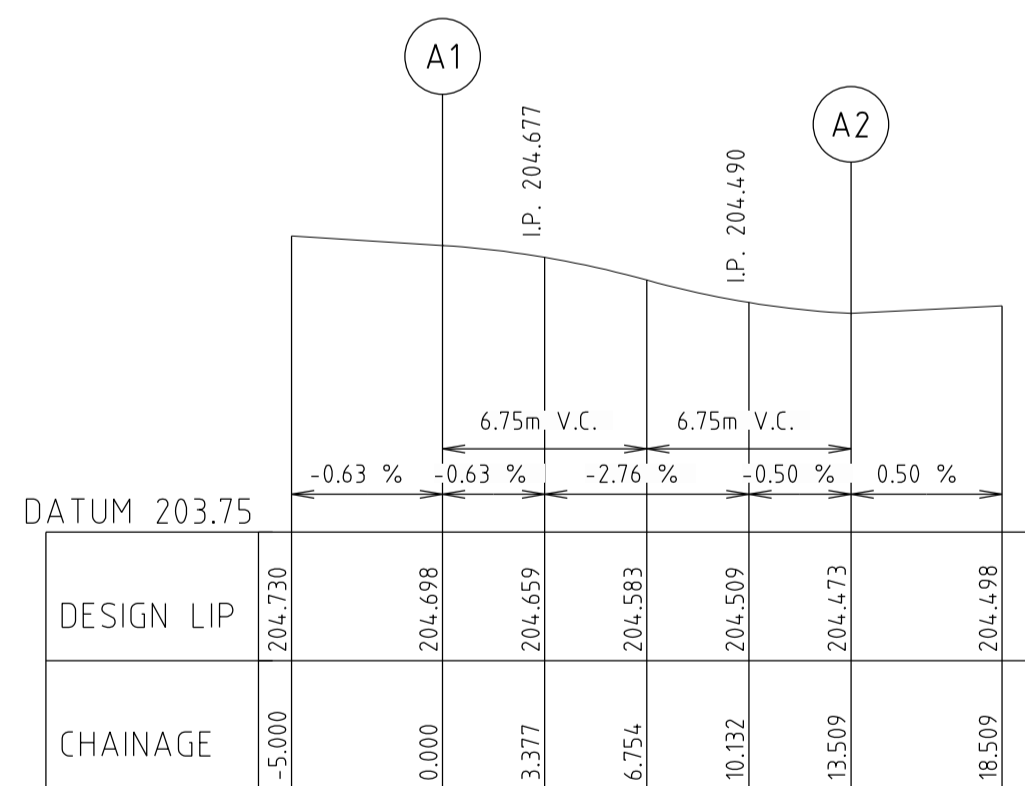


ALPACA - NORTH SIDE



ALPACA - SOUTH SIDE

TYPICAL KERB INDENT DETAIL  
N.T.S

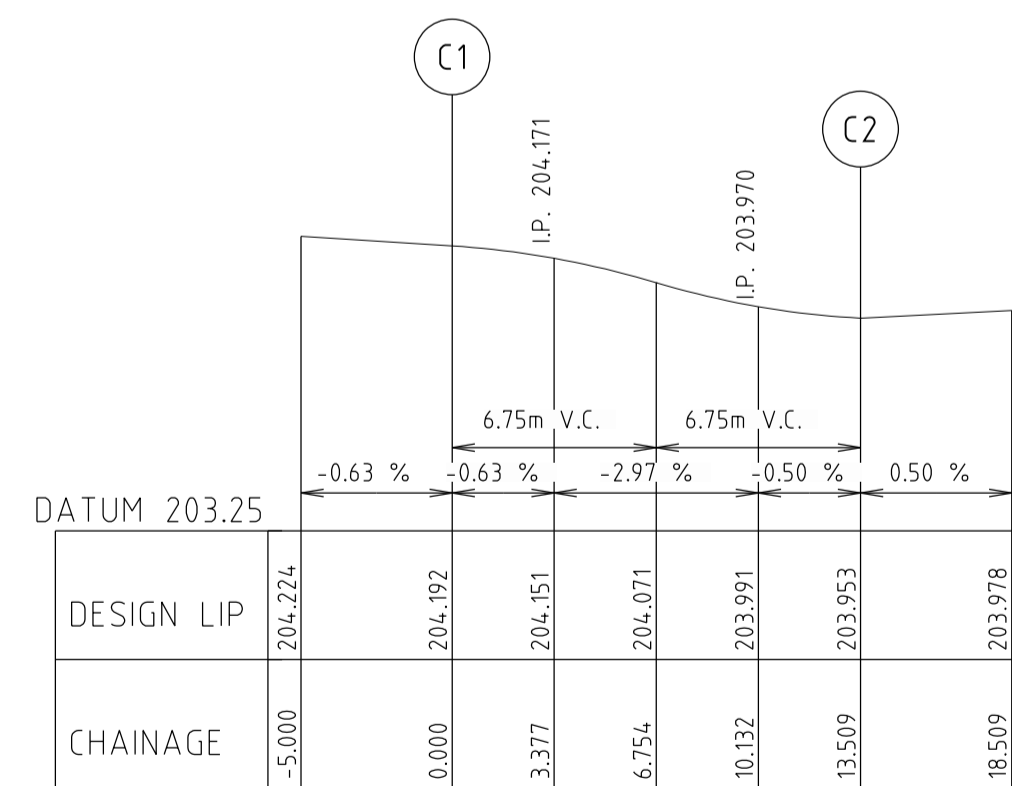


ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	302520.077	5835830.873	204.698
1/4	302521.868	5835833.710	204.659
1/2	302522.437	5835837.017	204.583
3/4	302521.696	5835840.290	204.509
A2	302519.760	5835843.031	204.473

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
A1-A2	8.600	13.509	12.162	2.519	-0.655

LIP LINE A  
Hor250  
Ver25

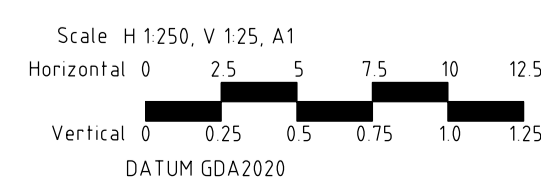


ALIGNMENT C

POINT NO	EASTING	NORTHING	RL
C1	302575.151	5835888.897	204.192
1/4	302576.942	5835891.735	204.151
1/2	302577.511	5835895.042	204.071
3/4	302576.770	5835898.315	203.991
C2	302574.834	5835901.055	203.953

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

LIP LINE C  
Hor250  
Ver25



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**R. WEINBER**  
Authorised  
**M. TOOMER-SMITH**



Checked  
**D. CAMERON**  
Date  
26/03/21

**REDSTONE ESTATE  
STAGE 11  
INTERSECTION DETAILS**

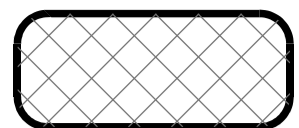
VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

**AS CONSTRUCTED 305922R10**

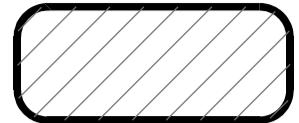
Rev  
**0**

Rev	Description	Approved	Date
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
	Amendments		





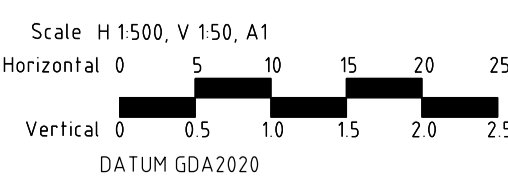
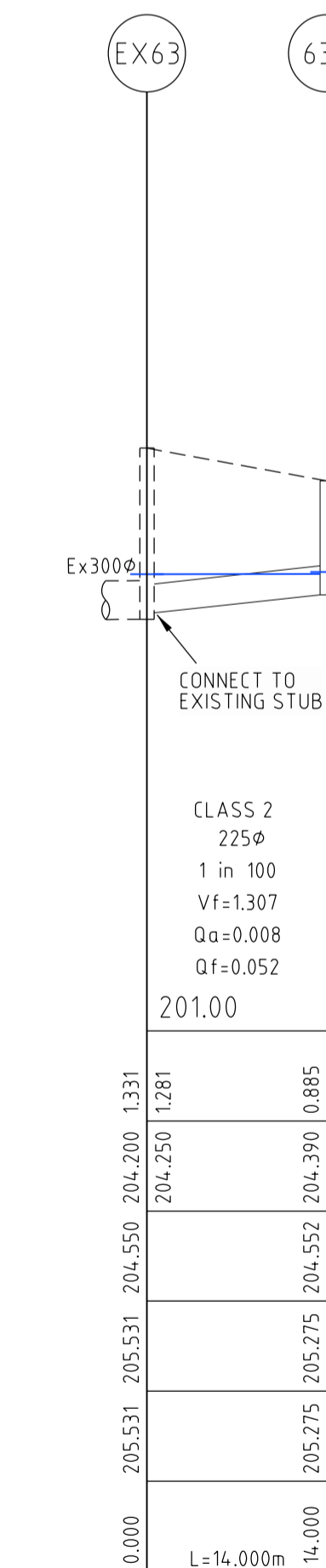
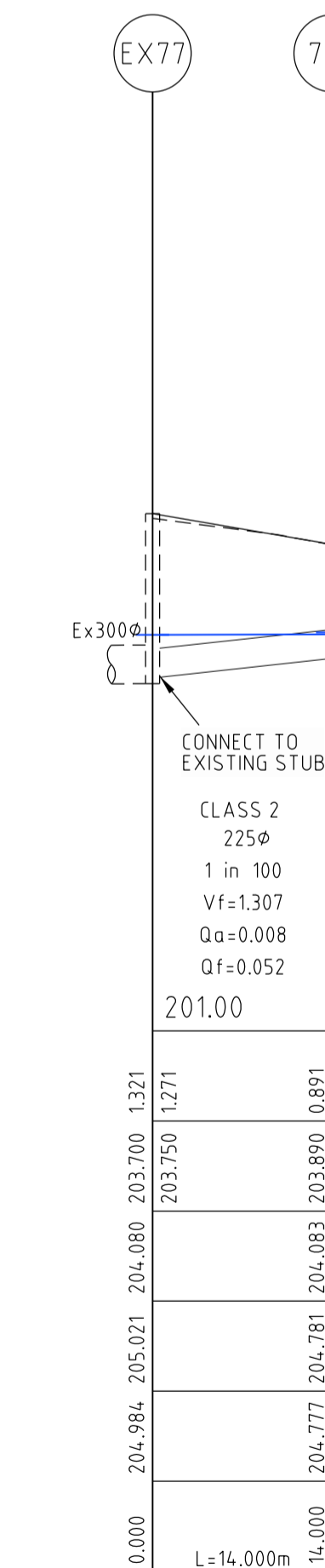
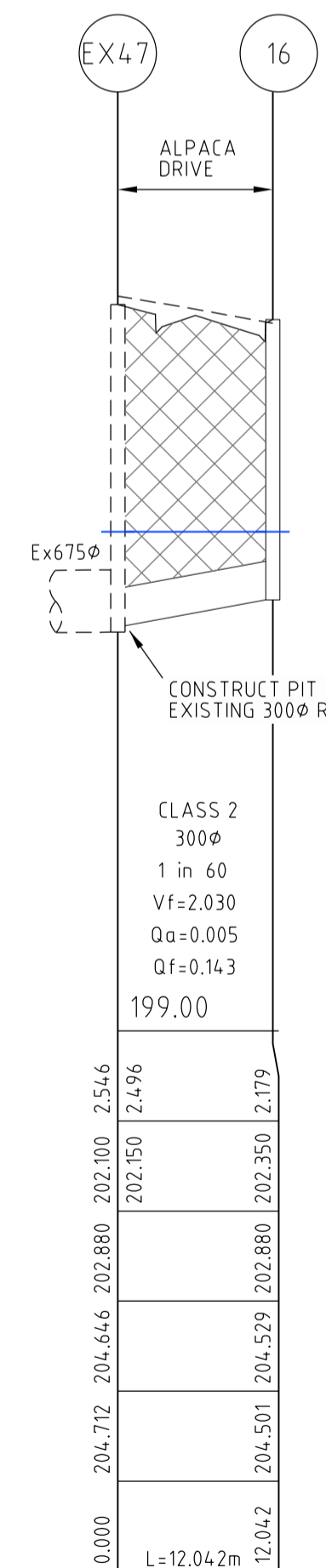
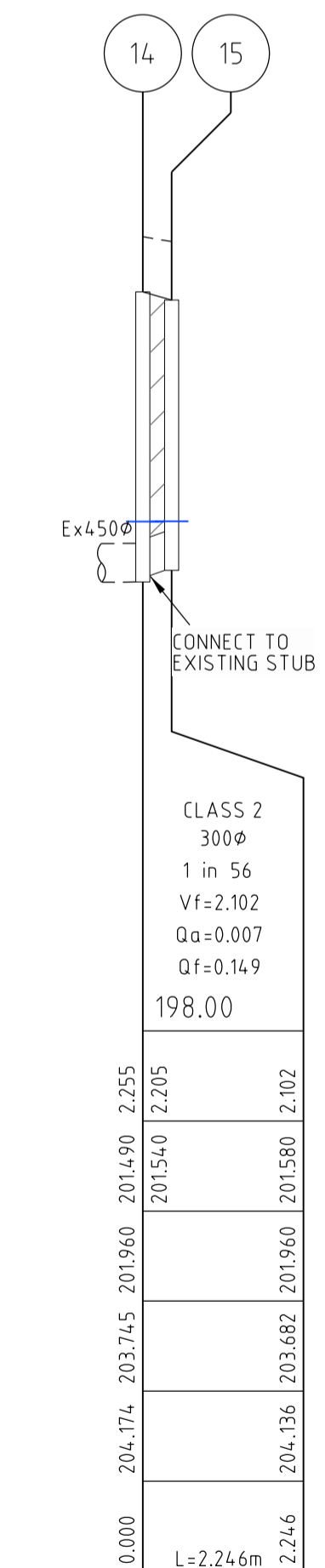
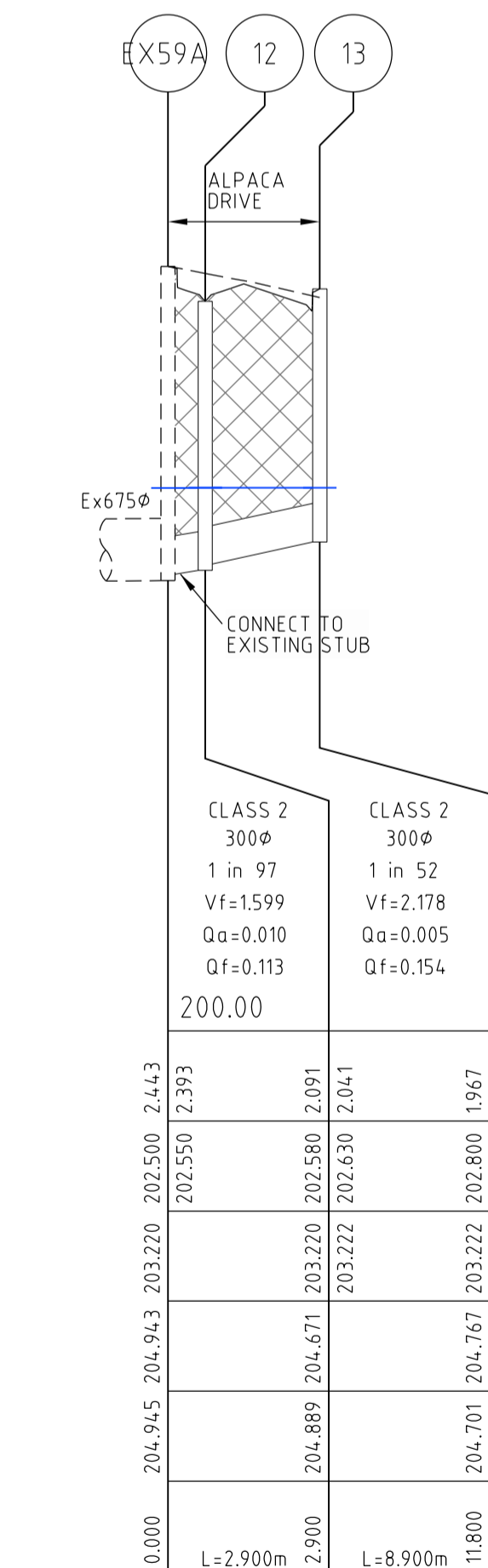
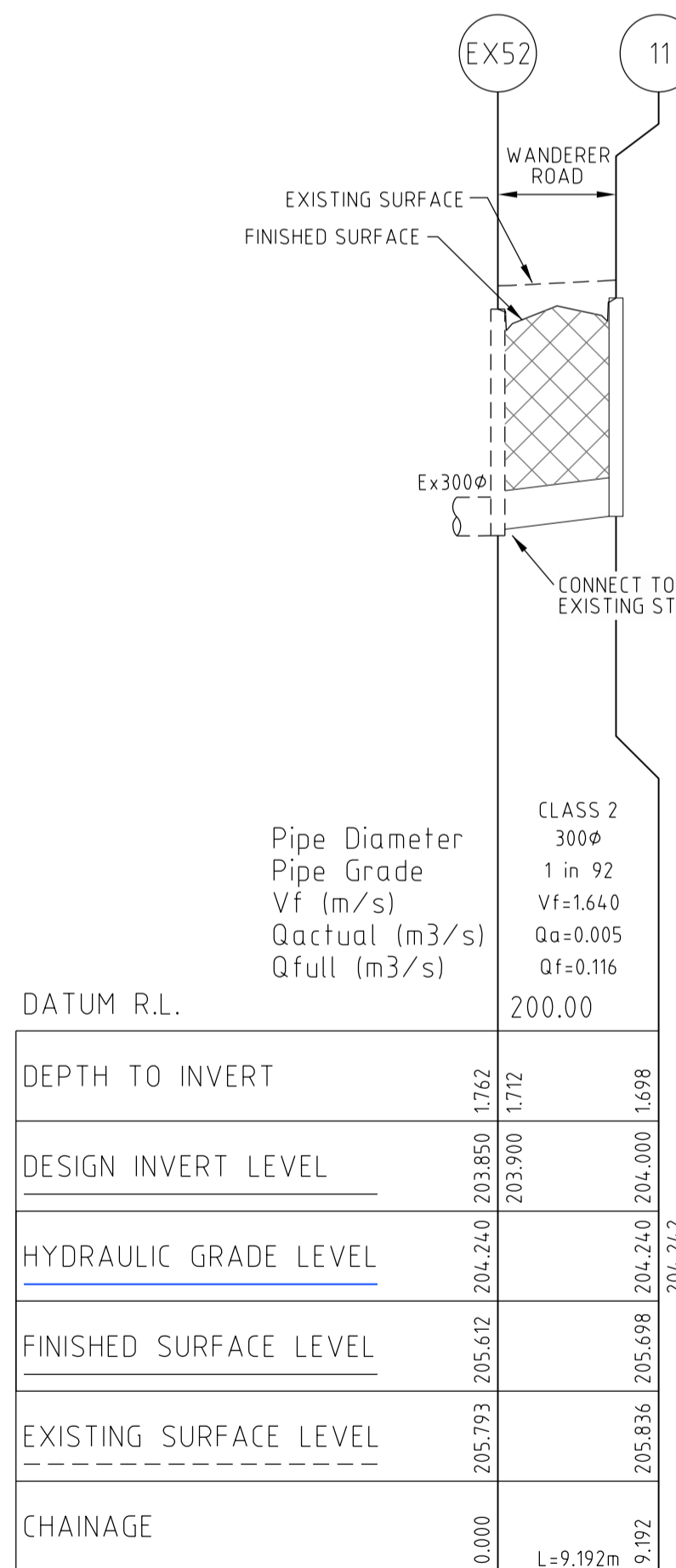
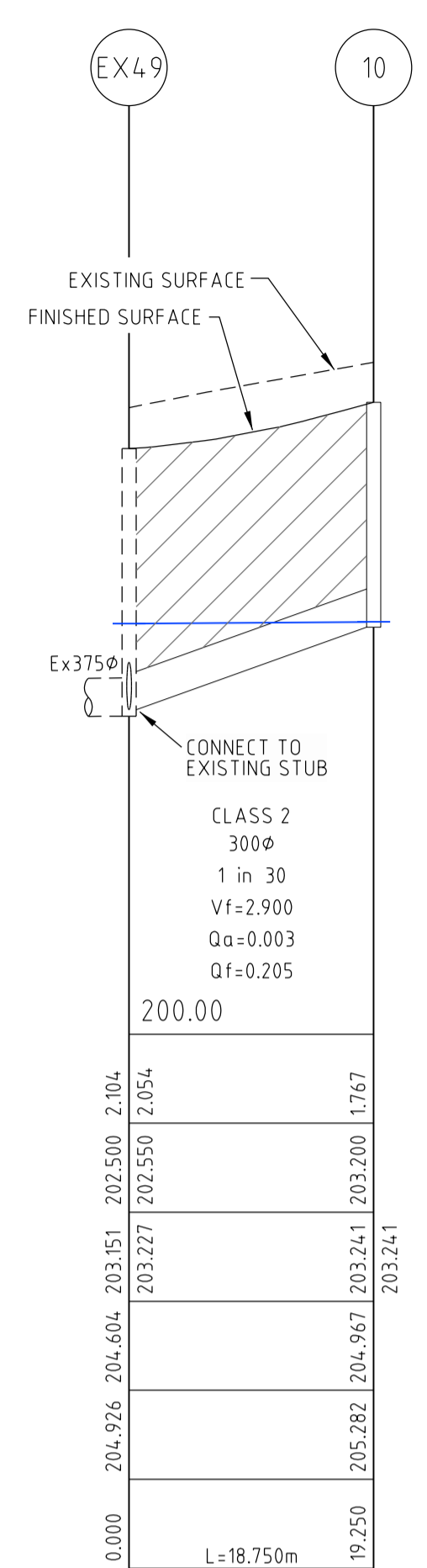
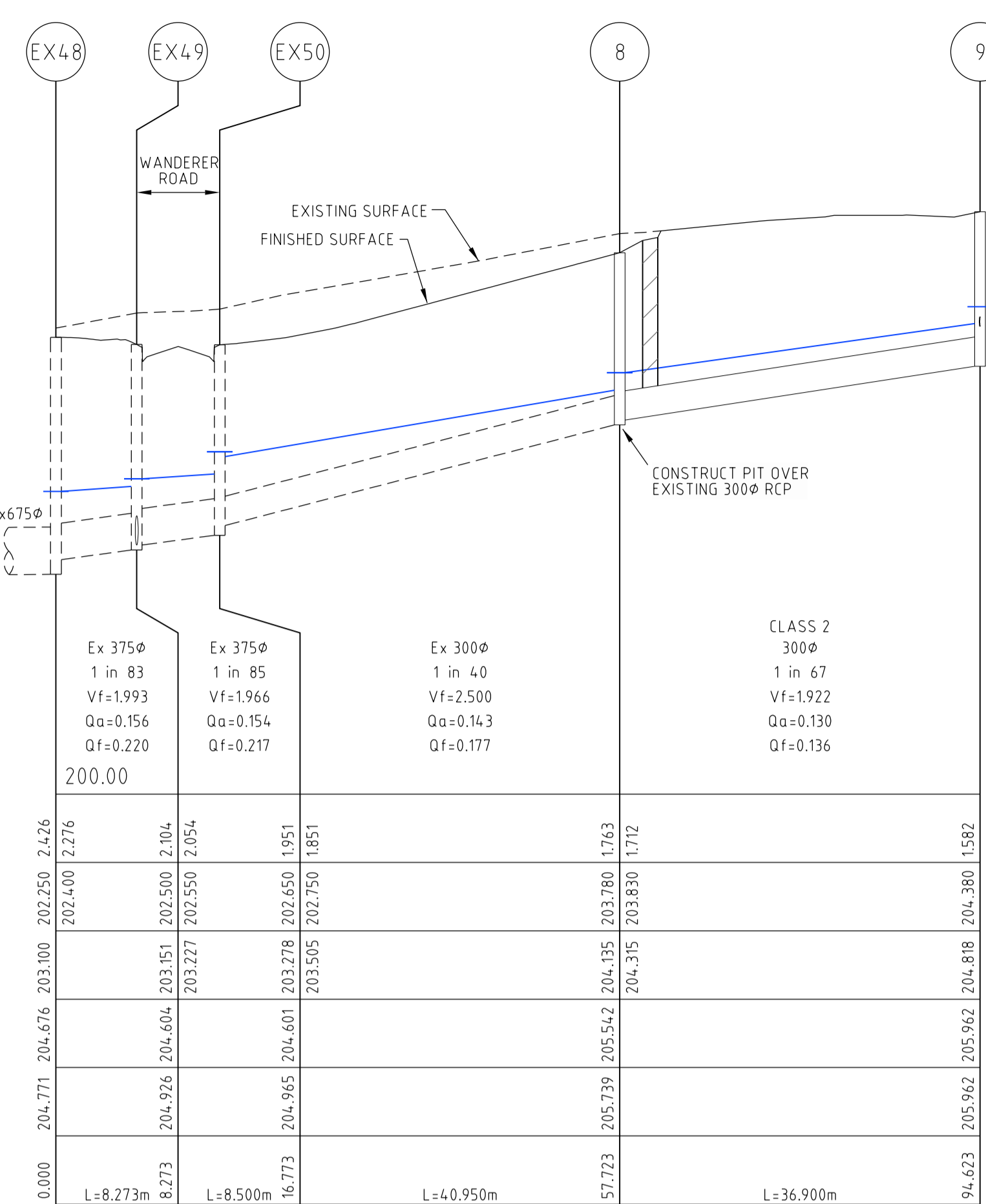
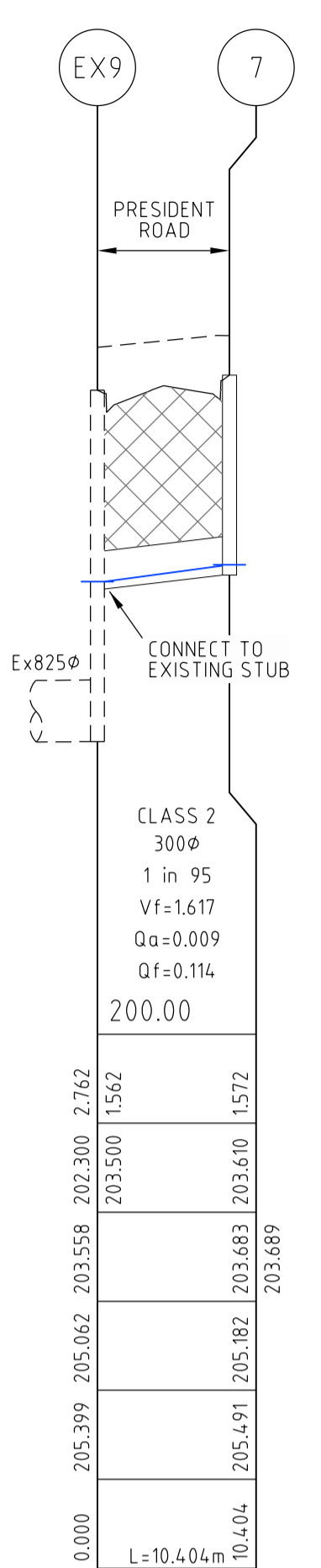
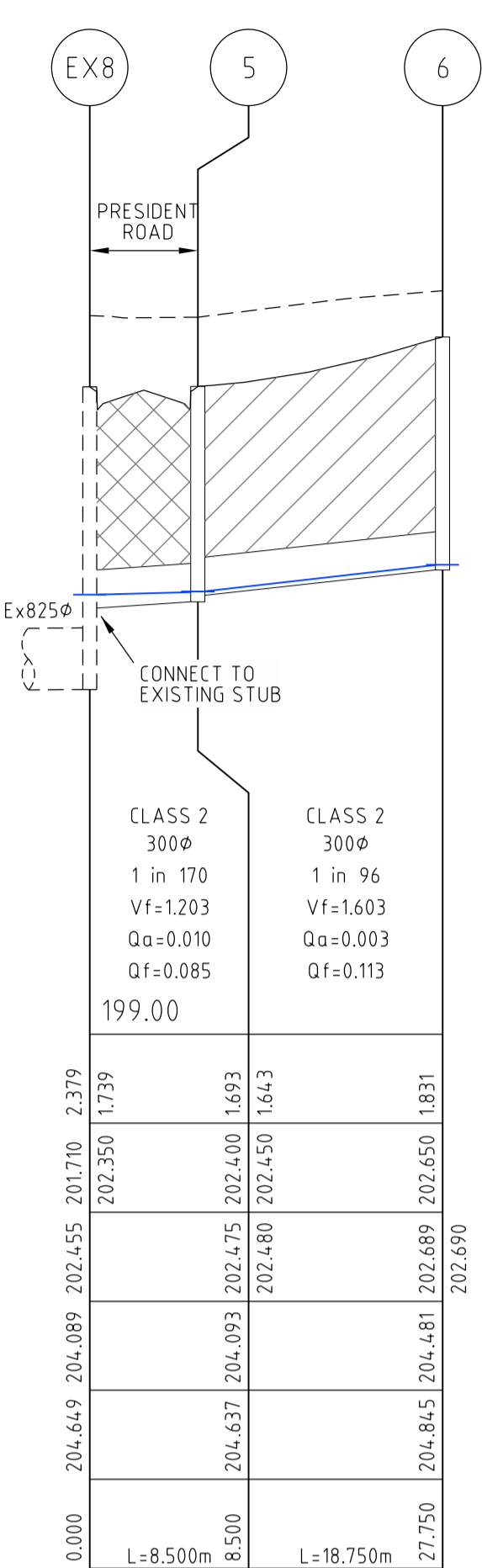
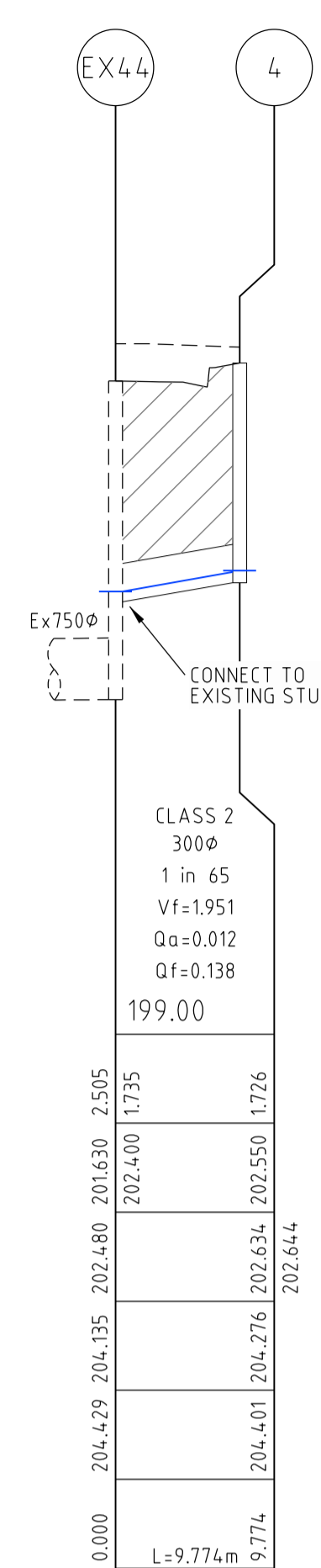
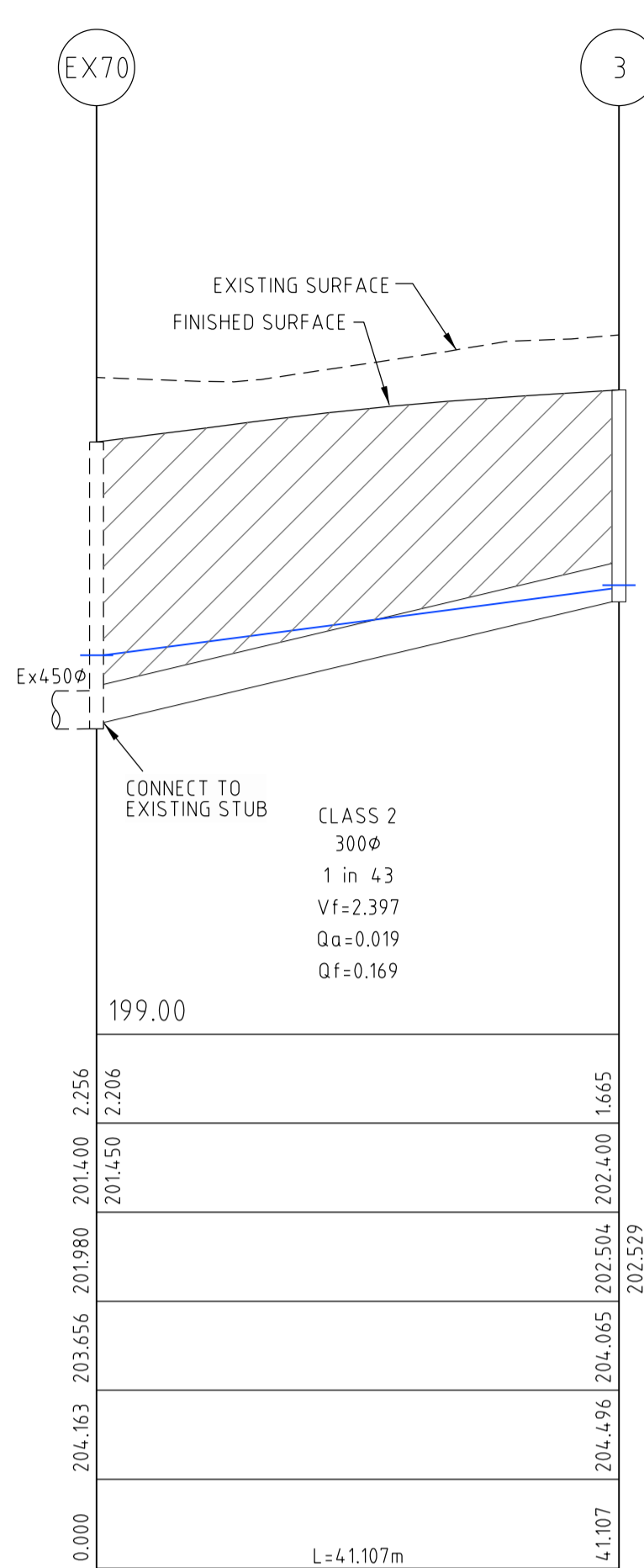
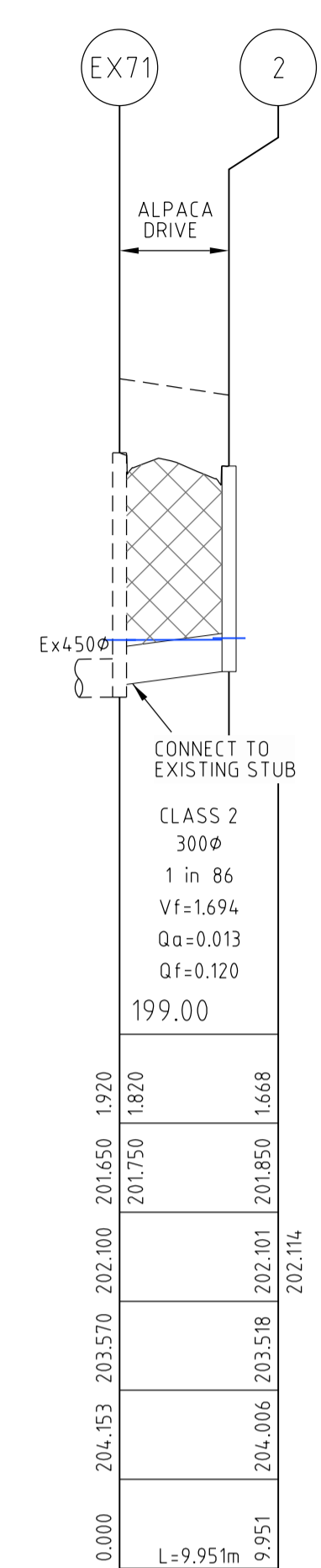
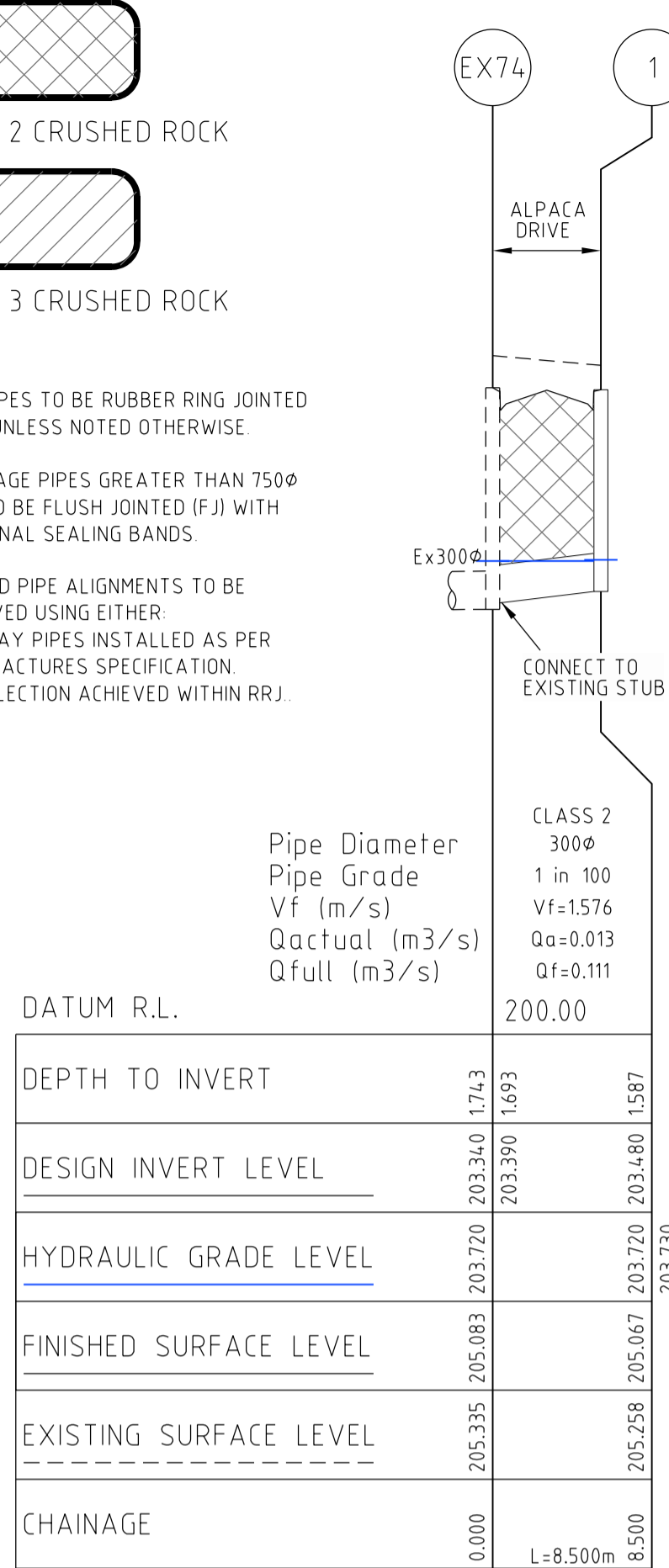
CLASS 2 CRUSHED ROCK



CLASS 3 CRUSHED ROCK

NOTE

- 1 ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS NOTED OTHERWISE
- 2 DRAINAGE PIPES GREATER THAN 750φ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
- 3 CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING EITHER:
  - a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION
  - b) DEFLECTION ACHIEVED WITHIN RRJ.

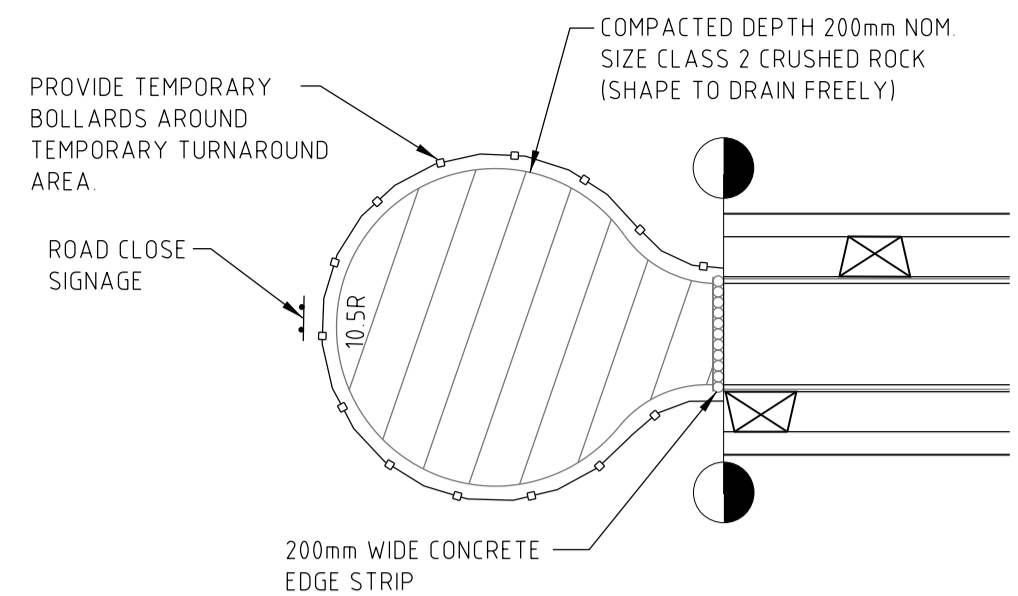


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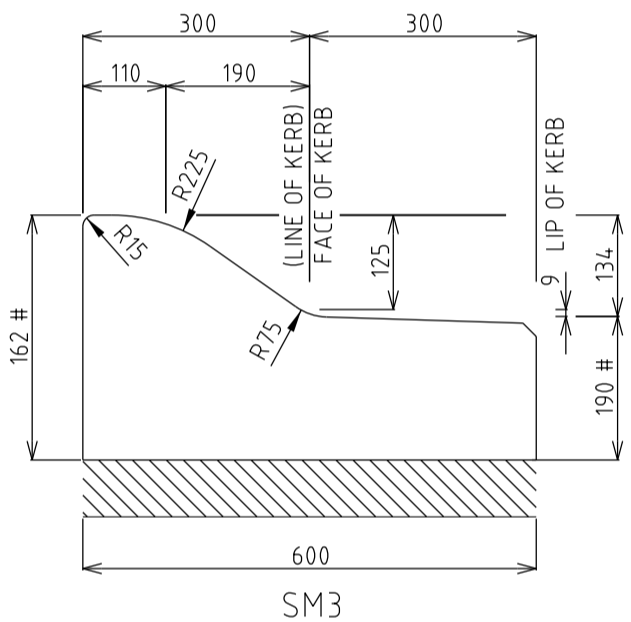
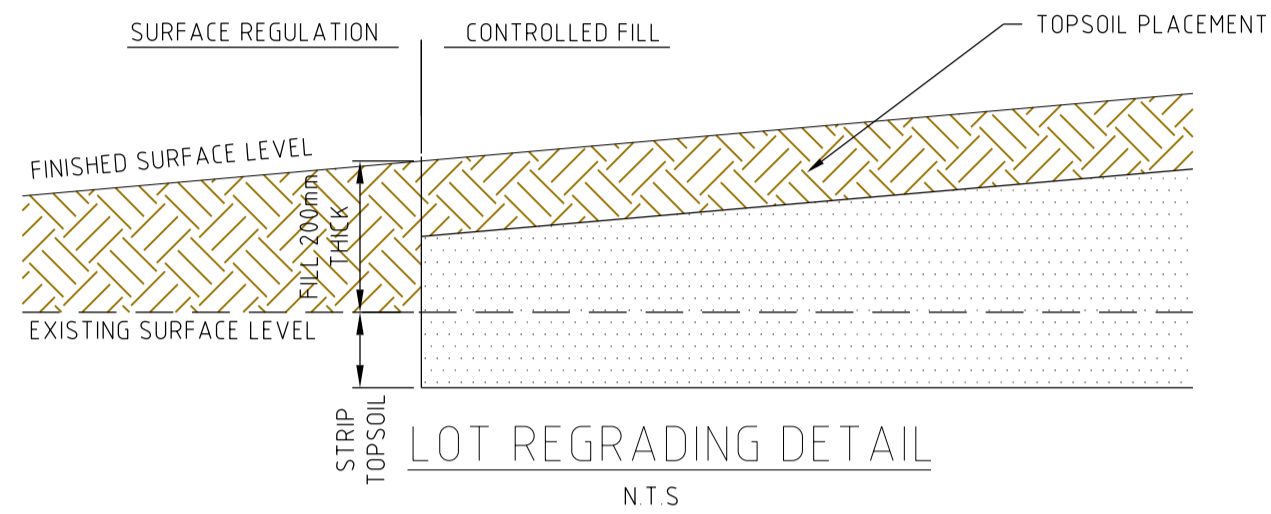
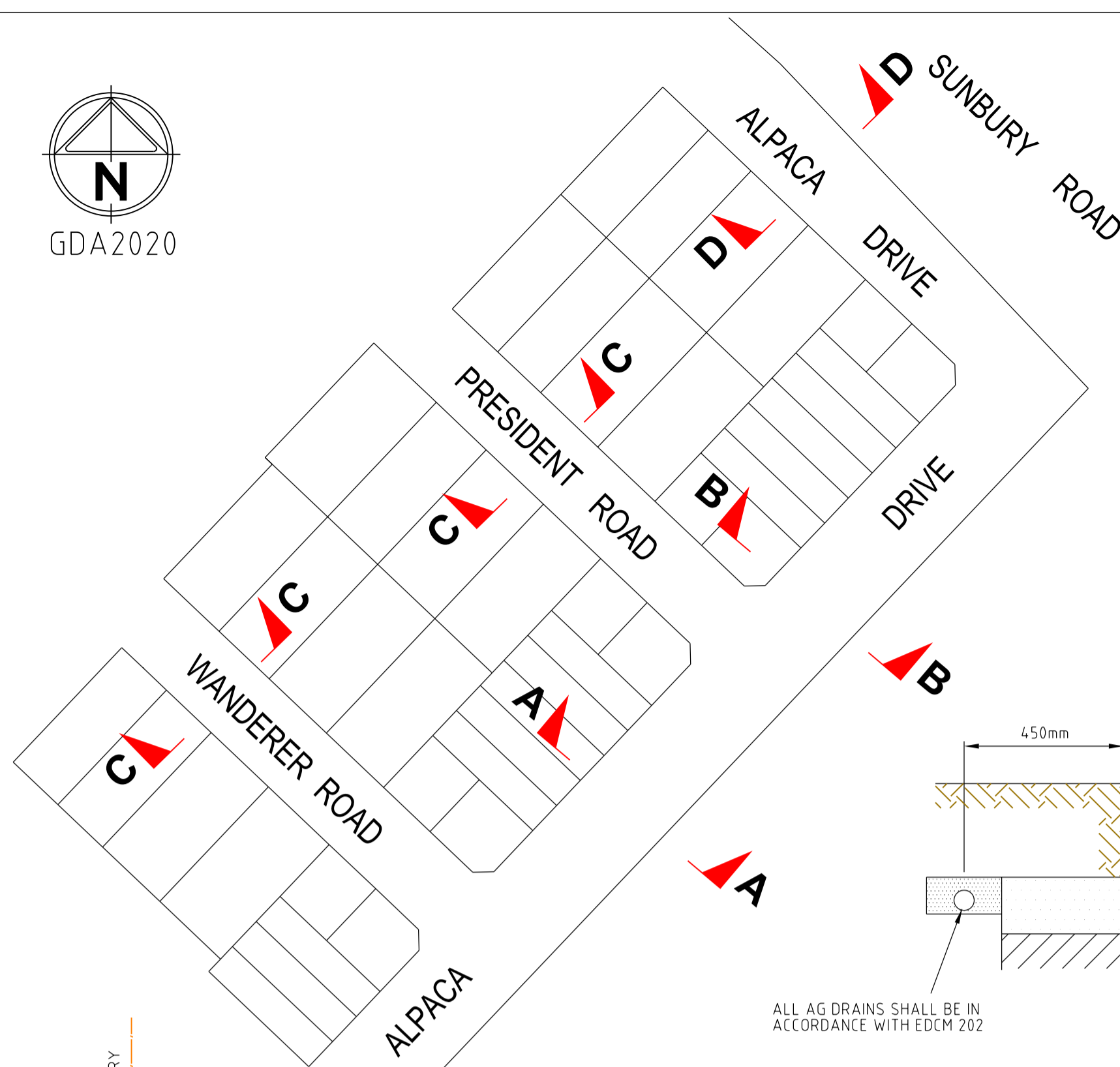
**villawood properties**  
 Communities Designed for Living  
 Designed  
**R. WEINBER**  
 Authorised  
**M. TOOMER-SMITH**

**Redstone.**  
 Your world awaits  
 Checked  
**D. CAMERON**  
 Date  
**26/03/21**

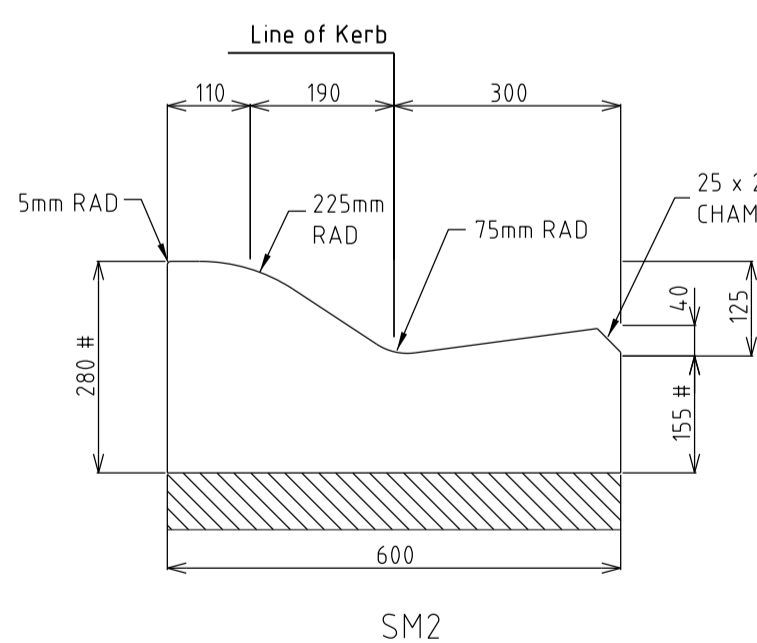
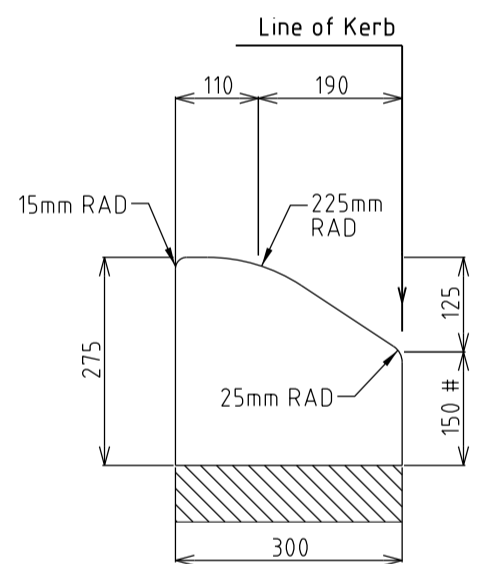
**REDSTONE ESTATE**  
**STAGE 11**  
**DRAINAGE LONG SECTION**  
**SHEET 1 OF 1**  
 VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL  
**AS CONSTRUCTED** Drg No **305922R12** Rev **0**



TEMPORARY TURNING AREA DETAIL



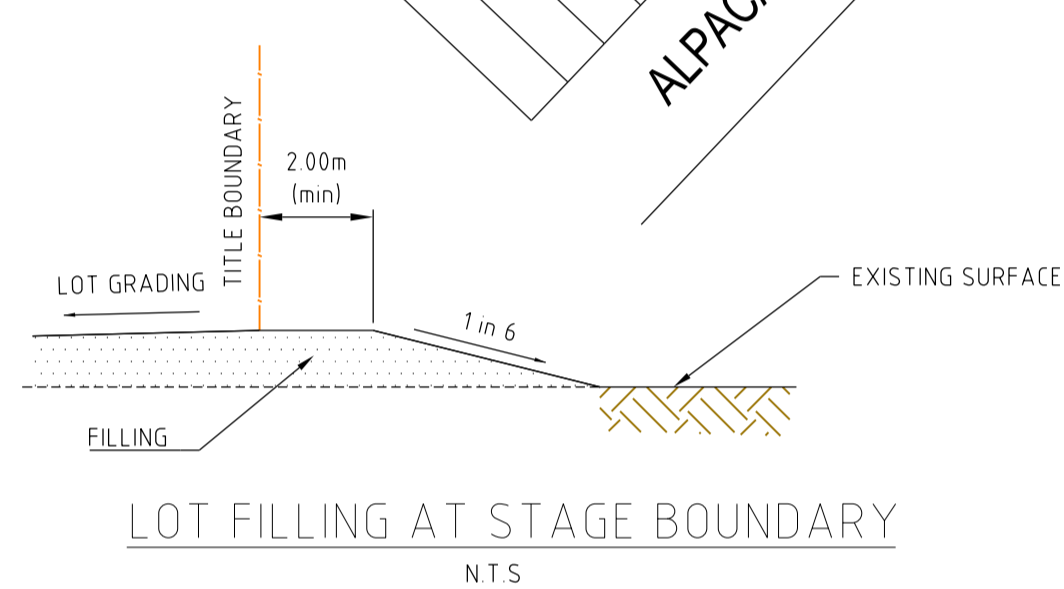
EDGE STRIP



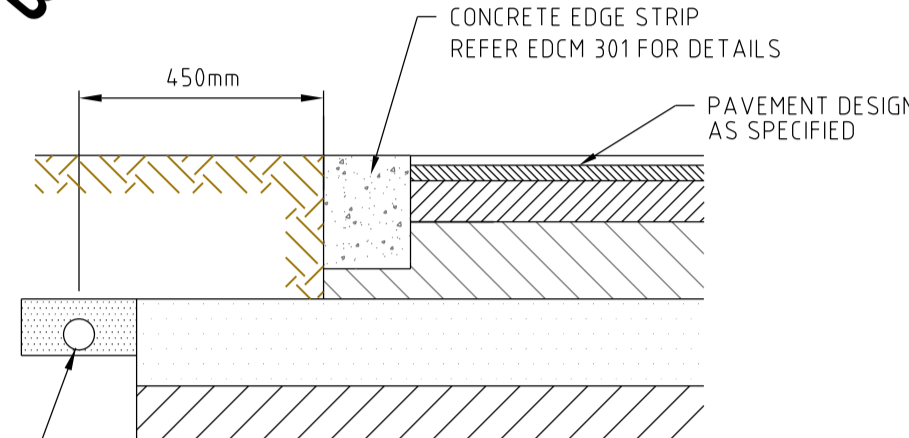
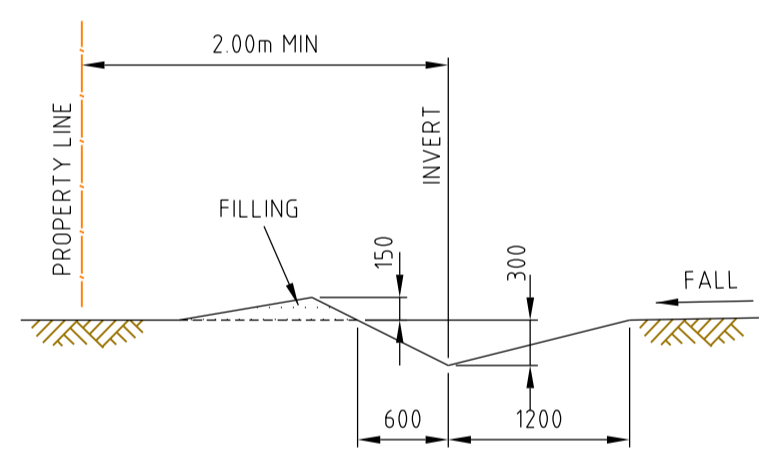
STANDARD KERB PROFILES  
NOT TO SCALE

NOTES:

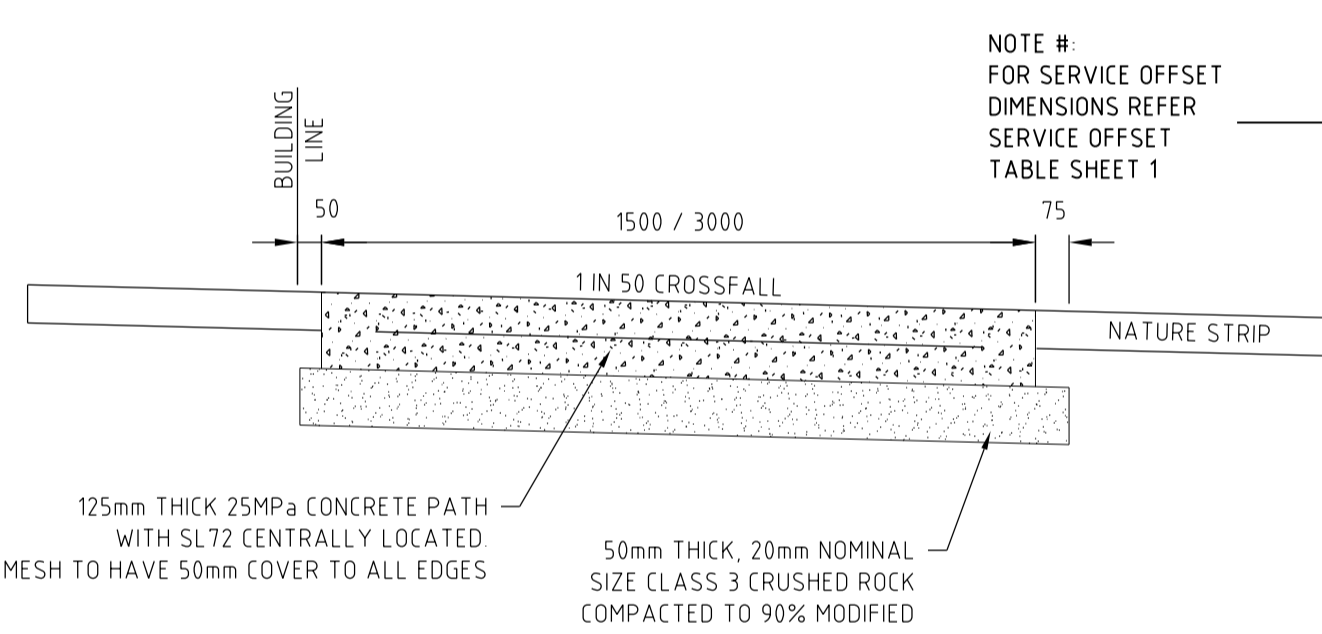
1. ALL KERBS AND KERB & CHANNEL TO BE REINFORCED IN ACCORDANCE WITH MUNICIPALITY STD DRAWINGS.
2. ALL KERBS AND KERB & CHANNEL TO HAVE 190mm DEPTH OF CONCRETE BELOW TOP OF PAVEMENT LEVEL.
3. DIMENSION SHOWN # DEPTH TO BE ADJUSTED TO ACCOMMODATE SAMI SEAL LAYER.



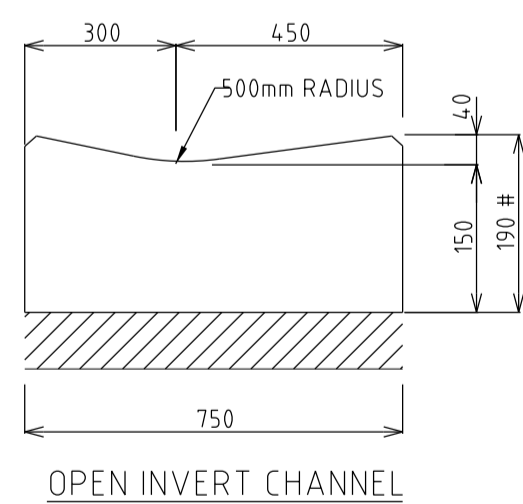
TYPICAL CATCH DRAIN SECTION  
NTS



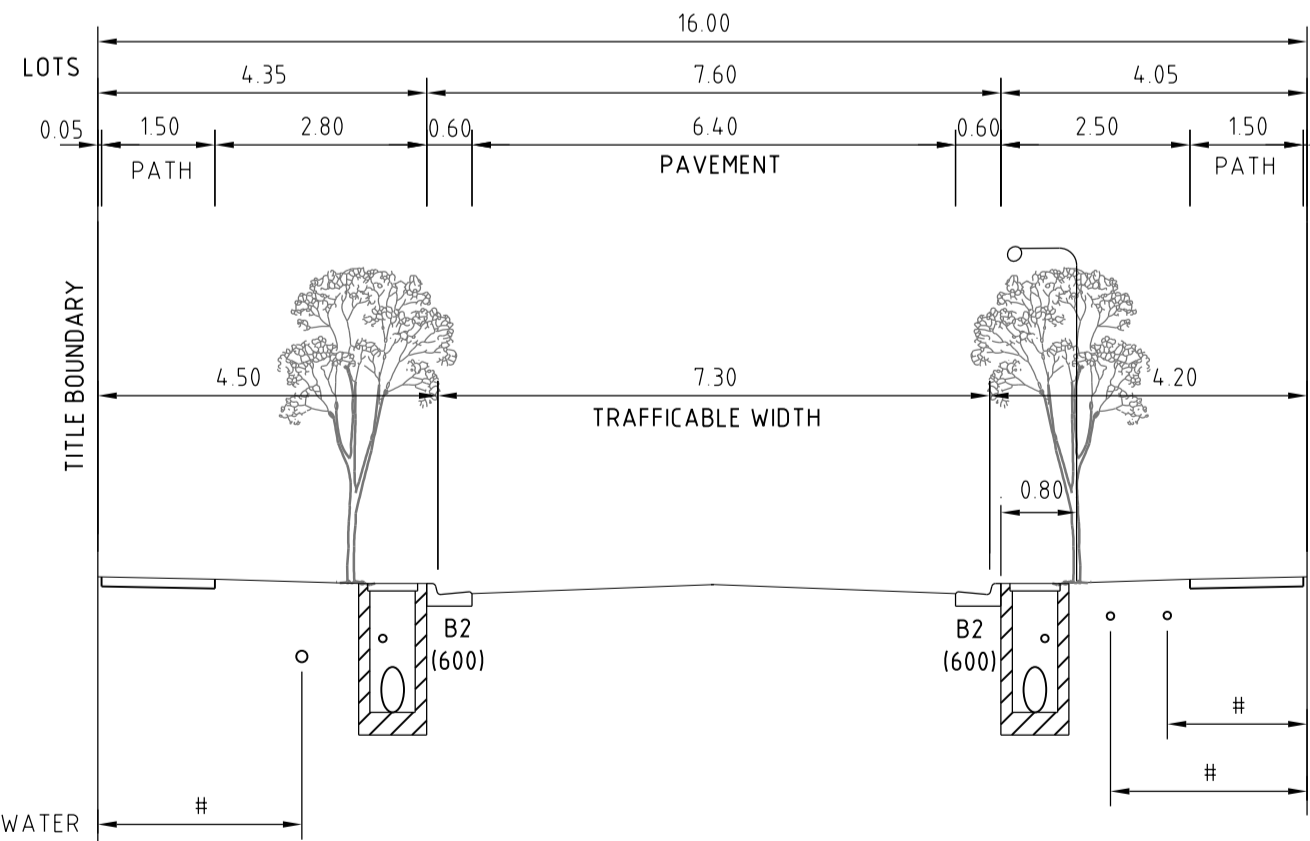
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE - DETAIL  
NTS



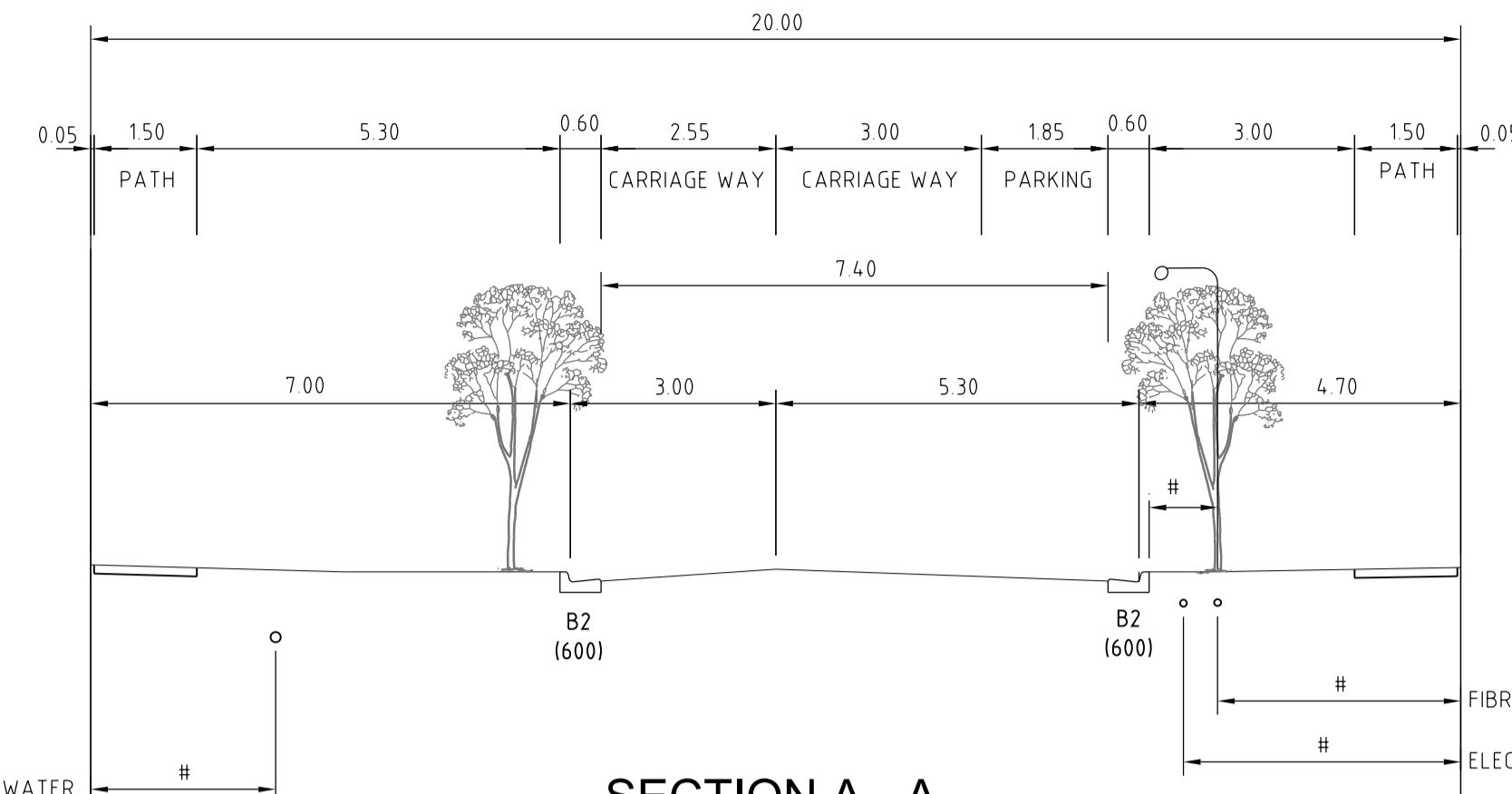
TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION  
NTS



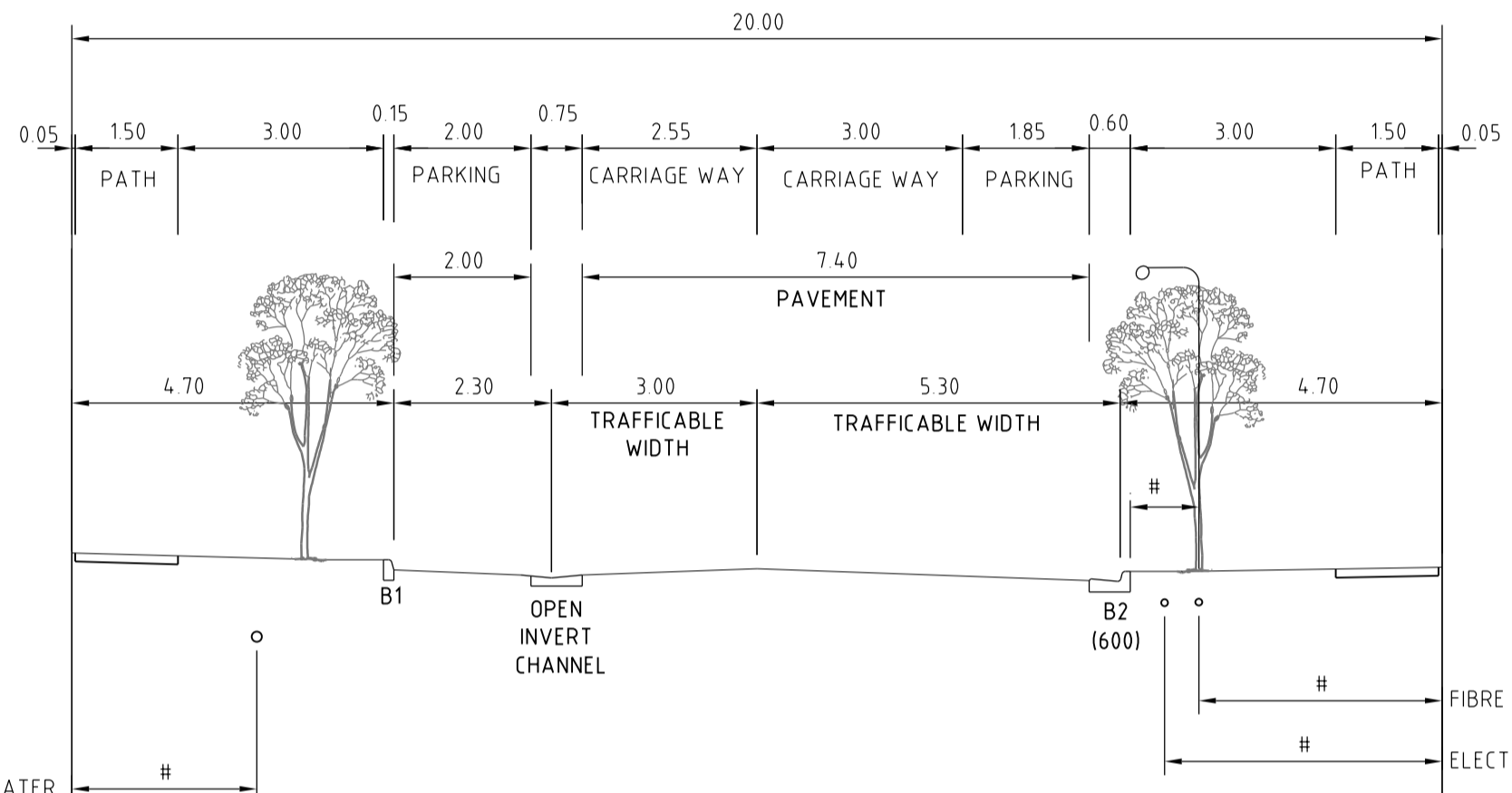
NOTE # FOR SERVICE OFFSET DIMENSIONS REFER SERVICE OFFSET TABLE



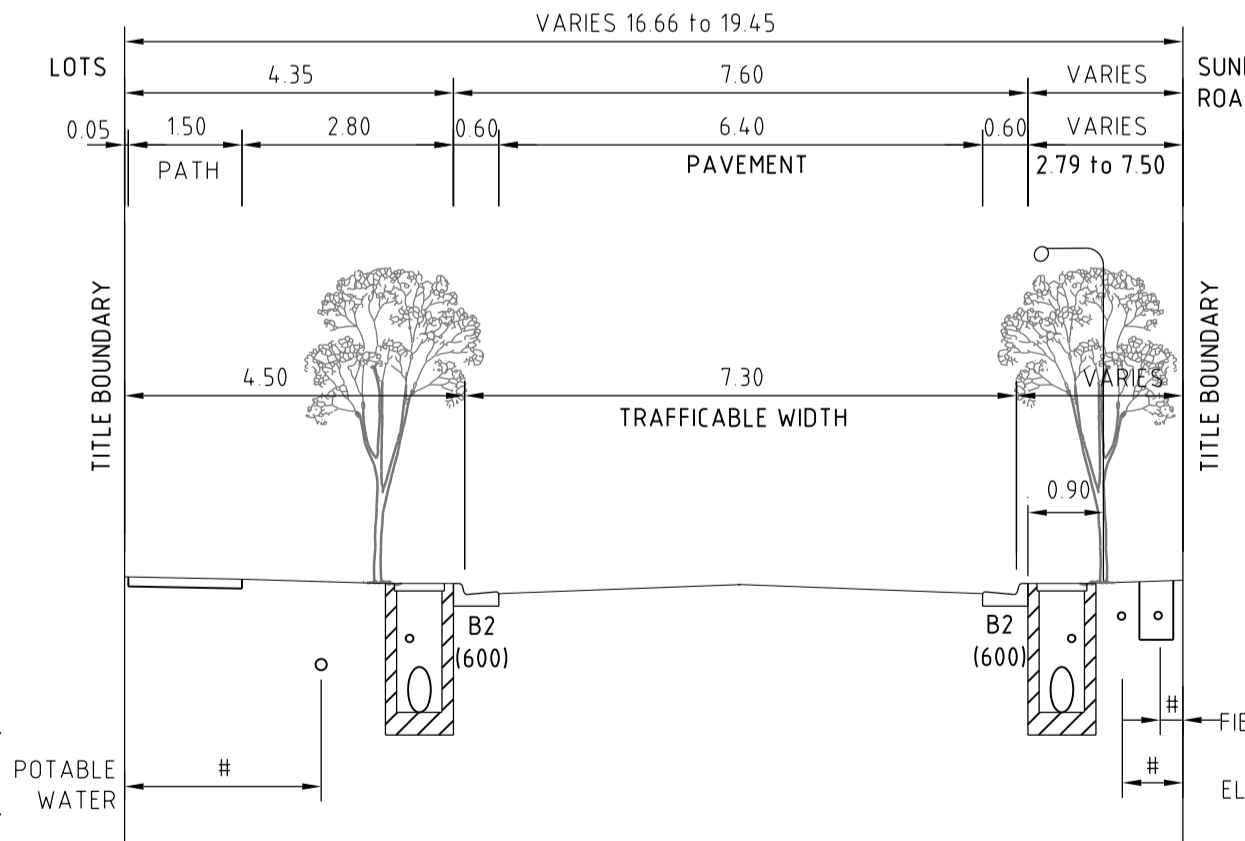
SECTION C - C  
TYPICAL 16.00m ROAD RESERVE  
PRESIDENT BOULEVARD / WANDERER ROAD



SECTION A - A  
TYPICAL 20.00m ROAD RESERVE  
ALPACA DRIVE



SECTION B - B  
TYPICAL 20.00m ROAD RESERVE  
ALPACA DRIVE



SECTION D - D  
TYPICAL ROAD RESERVE  
ALPACA DRIVE

Rev	Description	M.T.S	Date
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
	Amendments	Approved	Date

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villawood properties  
Communities Designed for Living  
Designed R. WEINBER  
Authorised M. LETSON

Redstone.  
Your world awaits  
Checked D CAMERON  
Date 19/02/21

REDSTONE ESTATE  
STAGE 11  
TYPICAL CROSS SECTIONS  
AND TYPICAL DETAILS  
VILLAWOOD PROPERTIES  
HUME CITY COUNCIL  
AS CONSTRUCTED Drg No 305922R13 Rev 0



**PAVEMENT DETAILS**

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

THE DESIGN HAS BEEN EXTRACTED FROM THE CARDNO VICTORIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION FOR PROPOSED RESIDENTIAL SUBDIVISION REDSTONE HILL SUNBURY SOUTH" V180556 REPORT 012. 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.

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**DESIGN PAVEMENT PROFILE FOR AREA 2**

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		AREA 2
WEARING COURSE	Size 10mm Type N Asphalt with a C170 binder	30
STRUCTURAL COURSE	Size 10mm Type N Asphalt with a C170 binder	30
WATER-PROOFING COURSE	SAMI seal with Class S18RF binder and bituminous prime	10
BASE COURSE	20mm nominal size Class 2 FCR, compacted to at least 98% Modified Dry Density Ratio with a mean value of at least 100% Modified Dry Density Ratio and within 1% of the Modified Optimum Moisture Content	130
UPPER PAVEMENT TOTAL		200
SUB-BASE COURSE	20mm nominal size Class 3 FCR, compacted to at least 95% Modified Dry Density Ratio with a mean value of at least 98% Modified Dry Density Ratio and within 1% of the modified Optimum Moisture Content	100
LOWER SUB-BASE COURSE	20mm nominal size Class 4 CR, compacted to at least 95% Modified Dry Density Ratio with a mean value of at least 98% Modified Dry Density Ratio and within 1% of the Modified Optimum Moisture Content	100
SELECT SUB-BASE COURSE	Select granular material with a minimum soaked CBR of 10% compacted to 98% Standard Dry Density Ratio with a mean value of at least 100% Standard Dry Density Ratio and within 1% of the Standard Optimum Moisture Content and a percentage swell of less than 15%	190
CONSTRUCTION LAYER	Type A Select Fill Meeting The Following Properties CBR ≥7%, Swell ≤15%, permeability ≤5 x 10 <sup>-9</sup> m/sec Compacted to a Minimum Density Ratio 98% (Standard) AS1289, 5.1.1	150
TOTAL PAVEMENT DEPTH		750
SUBGRADE	Natural Silty CLAY tested to confirm an in-situ CBR of at least 2.0% OR approved FILL, compacted to at least 100% Standard Dry Density ratio (soaked CBR ≥ 2.0%) within 2% of the Standard Optimum Moisture Content	

**DESIGN PAVEMENT PROFILE FOR AREA 4**

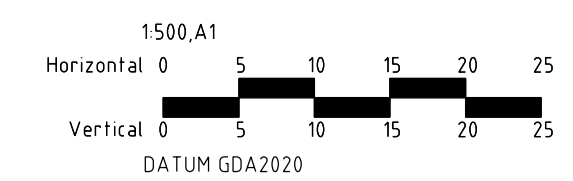
PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
		AREA 4
WEARING COURSE	Size 14mm Type N Asphalt with a C170 binder	40
STRUCTURAL COURSE	Size 14mm Type HP Asphalt with a A10E binder	40
WATER-PROOFING COURSE	SAMI seal with Class S18RF binder and bituminous prime	10
BASE COURSE	20mm nominal size Class 2 FCR, compacted to at least 100% Characteristic Modified Dry Density Ratio within 1% of the Modified Optimum Moisture Content	110
UPPER PAVEMENT TOTAL		200
UPPER SUB-BASE COURSE	20mm nominal size Class 3 FCR, compacted to at least 98% Characteristic Modified Dry Density Ratio within 1% of the Modified Optimum Moisture Content	100
LOWER SUB-BASE COURSE	20mm nominal size Class 4 FCR, compacted to at least 98% Characteristic Modified Dry Density Ratio within 1% of the Modified Optimum Moisture Content	170
SELECT SUB-BASE COURSE	Select granular material with a minimum soaked CBR of 10% compacted to 98% Standard Dry Density Ratio with a mean value of at least 100% Standard Dry Density Ratio and within 1% of the Standard Optimum Moisture Content and a percentage swell of less than 15%	190
CONSTRUCTION LAYER	Type A Select Fill Meeting The Following Properties CBR ≥7%, Swell ≤15%, permeability ≤5 x 10 <sup>-9</sup> m/sec Compacted to a Minimum Density Ratio 98% (Standard) AS1289, 5.1.1	150
TOTAL PAVEMENT DEPTH		810
SUBGRADE	Natural Silty CLAY tested to confirm an in-situ CBR of at least 2.0% OR approved FILL, compacted to at least 100% Standard Dry Density ratio (soaked CBR ≥ 2.0%) within 2% of the Standard Optimum Moisture Content	

**NOTES**

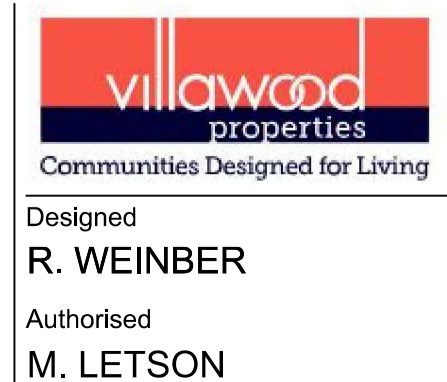
**SUB SURFACE DRAINAGE**  
SUB SURFACE DRAINAGE TO BE CONSTRUCTED AS PER EDM STANDARD DRAWING 202a

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

0	CONSTRUCTION ISSUE	M.T.S	04/08/21
Rev	Amendments	Approved	Date



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**REDSTONE ESTATE STAGE 11 PAVEMENT DETAILS**

VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

**AS CONSTRUCTED** Drg No 305922R14

Designed: R. WEINBER  
Checked: D CAMERON  
Authorised: M. LETSON  
Date: 19/02/21

Rev 0



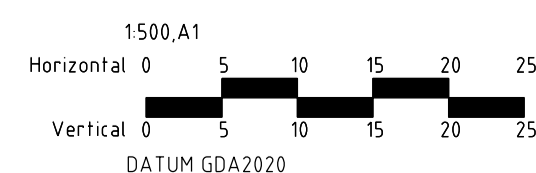
**LEGEND**

- 1 STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD408 & SD412, INCLUDING 'NO THROUGH ROAD' NOMINATION WHERE APPLICABLE.
- 2 ROAD CLOSED G9-20
- 3 D4-5
- TGSi KERB RAMP } INSTALL ONLY POLYPLASTIC OR METAL MECHANICALLY FIXED TACTILE MARKERS
- TGSi DIRECTIONAL } HAZARD / DIRECTIONAL TGSiS SHOW INDICATIVELY. FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDMC 403. TGSiS SHALL CONFORM TO AS1428.4
- 1-WAY RRPM (5m SPACING)

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

NOTIONAL CARPARKING SPACES

Rev	Amendments	Approved	Date
0	CONSTRUCTION ISSUE	M.T.S	04/08/21



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Communities Designed for Living

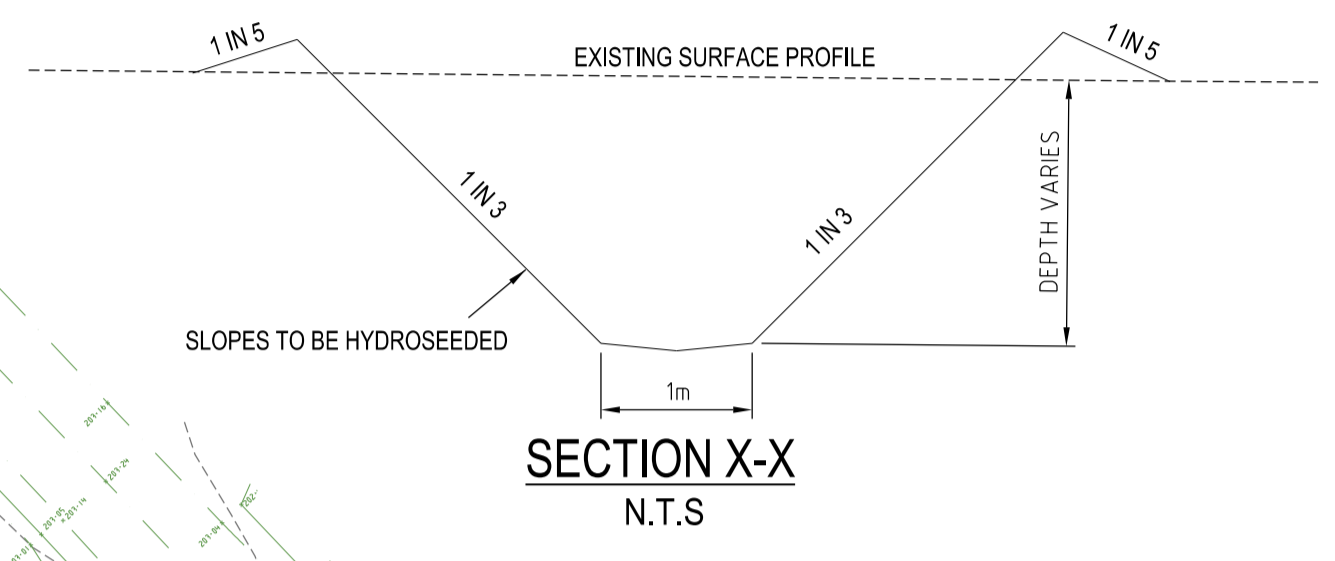
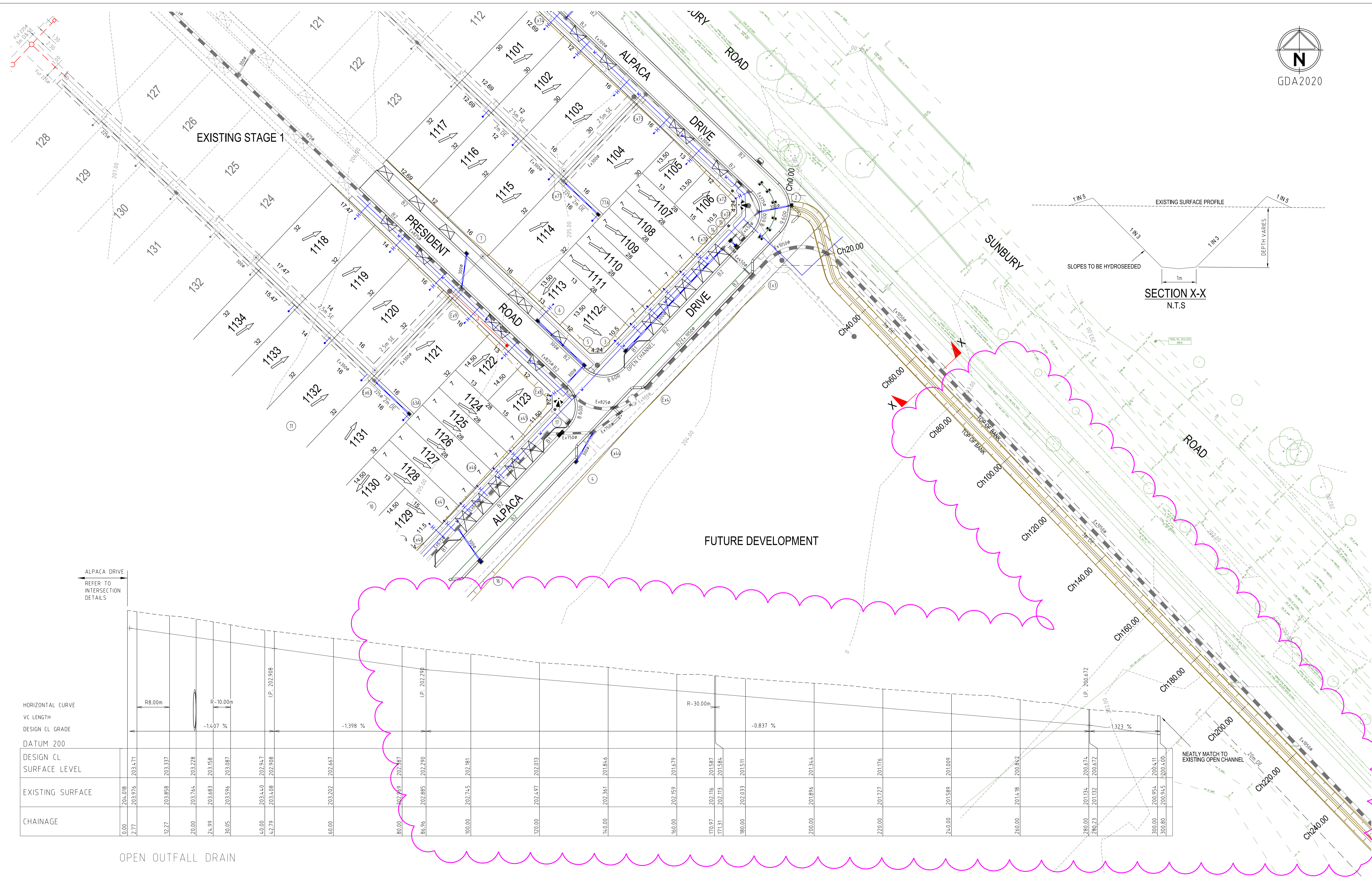
Your world awaits

**REDSTONE ESTATE**  
**STAGE 11**  
**SIGNAGE, LINEMARKING & CARPARKING PLAN**

VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL

**AS CONSTRUCTED 305922R15**

Drg No      Rev  
 19/02/21      0



ALPACA DRIVE REFER TO INTERSECTION DETAILS

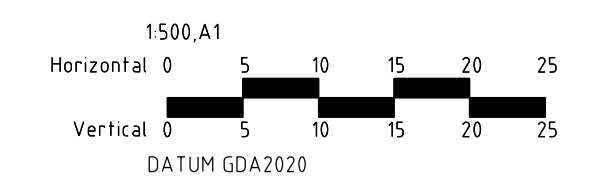
HORIZONTAL CURVE  
VC LENGTH  
DESIGN CL GRADE  
DATUM 200

DESIGN CL SURFACE LEVEL	204.018	203.471	203.337	203.228	203.158	203.087	202.547	202.008	202.467	202.187	202.290	202.181	202.013	201.846	201.679	201.587	201.584	201.511	201.344	201.176	201.009	200.842	200.674	200.411
EXISTING SURFACE	204.018	203.976	203.858	203.764	203.683	203.596	203.440	203.408	203.202	202.789	202.885	202.745	202.497	202.361	202.159	202.116	202.113	202.033	201.896	201.727	201.589	201.418	201.134	200.954
CHAINAGE	0.00	2.77	12.77	20.00	24.99	30.05	40.00	42.79	50.00	80.00	86.96	100.00	120.00	140.00	160.00	170.97	171.31	180.00	200.00	220.00	240.00	260.00	280.00	300.00

VC LENGTH: R8.00m, R-10.00m, R-30.00m  
DESIGN CL GRADE: -1.407%, -1.398%, -0.837%, -1.323%IP: 202.908, 202.290, 201.000

OPEN OUTFALL DRAIN

2	OPEN OUTFALL DRAIN REGRADED AND EXTENDED SOUTH TO CH 300.80	M.T.S	02/03/22
1	OPEN OUTFALL DRAIN ALIGNMENT ADJUSTED CH160 TO CH235.76	M.T.S	16/02/22
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
Rev	Amendments	Approved	Date



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Designed by  
**R. WEINBER**  
Authorised  
**M. TOOMER-SMITH**

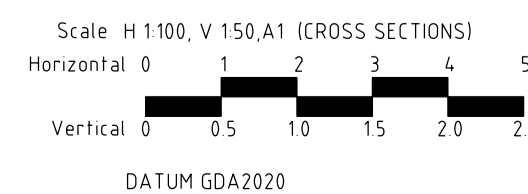
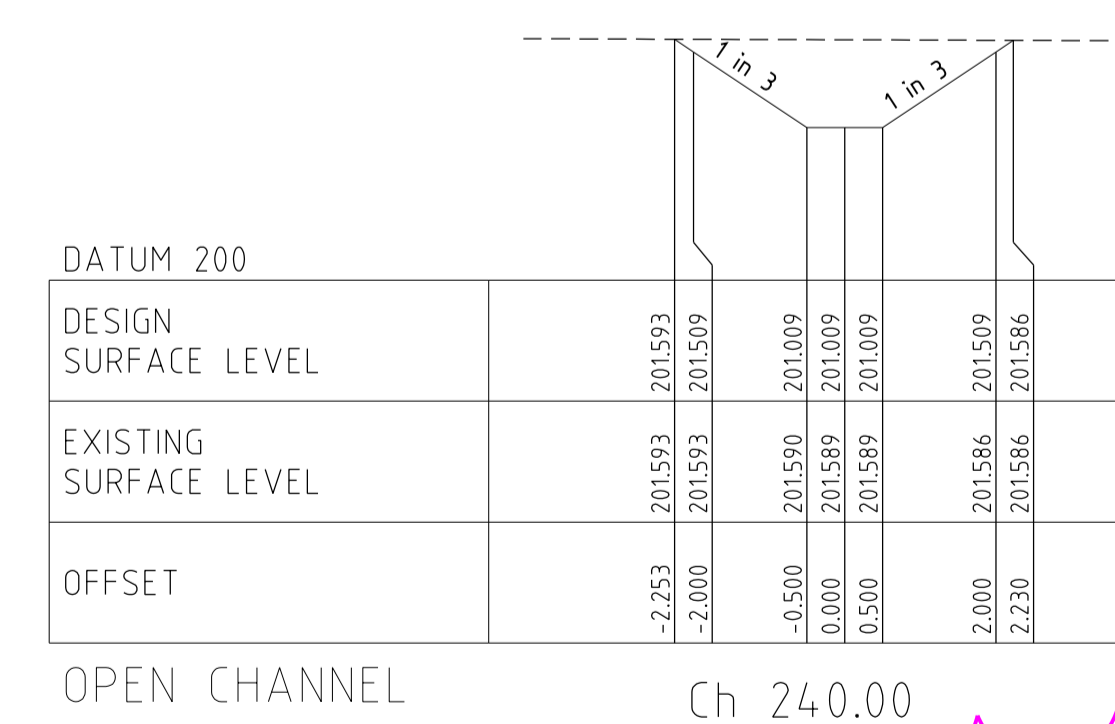
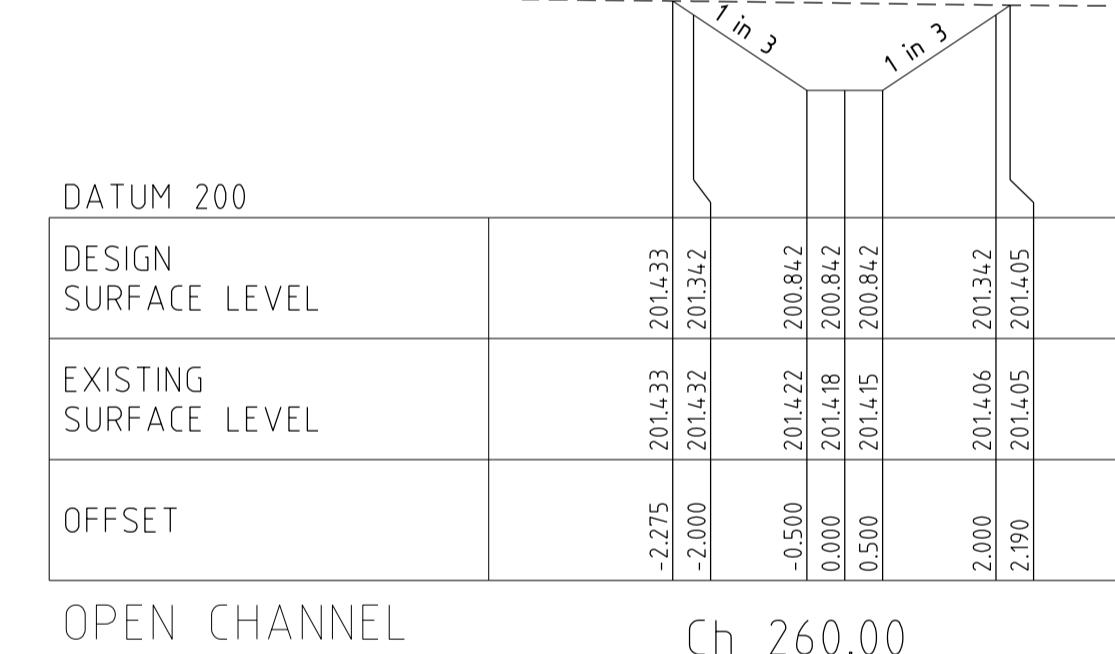
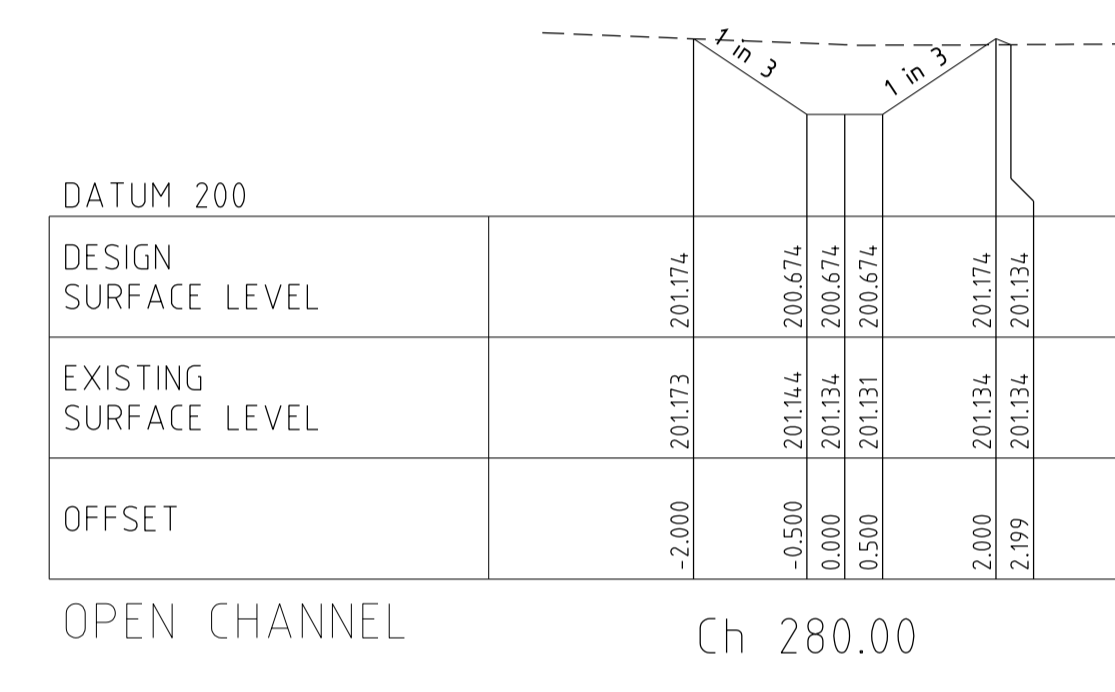
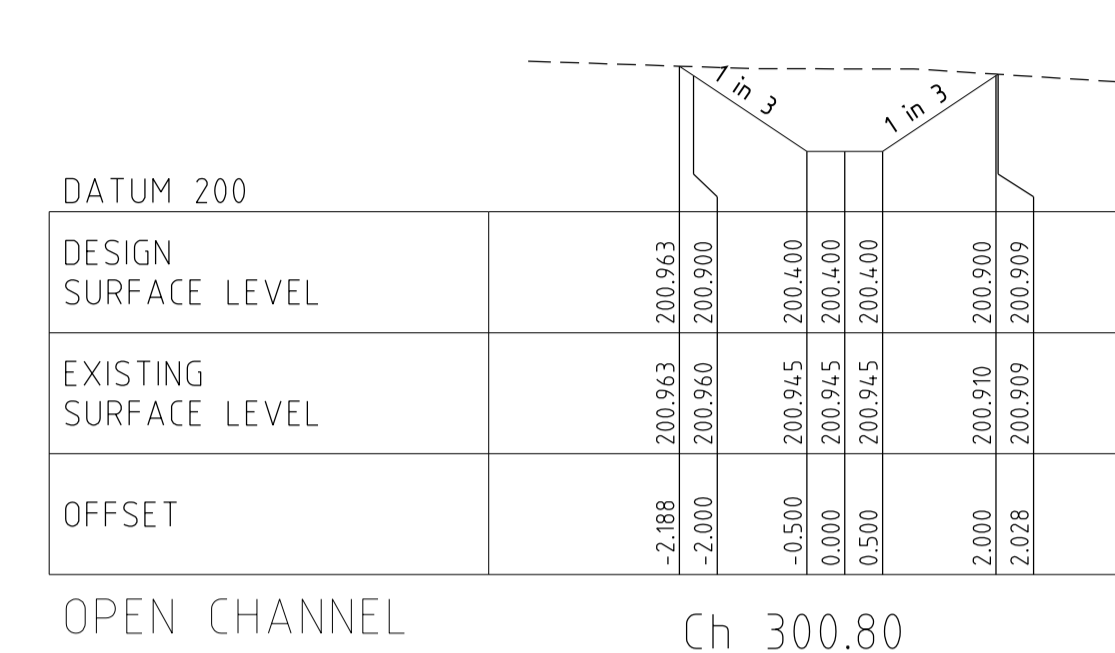
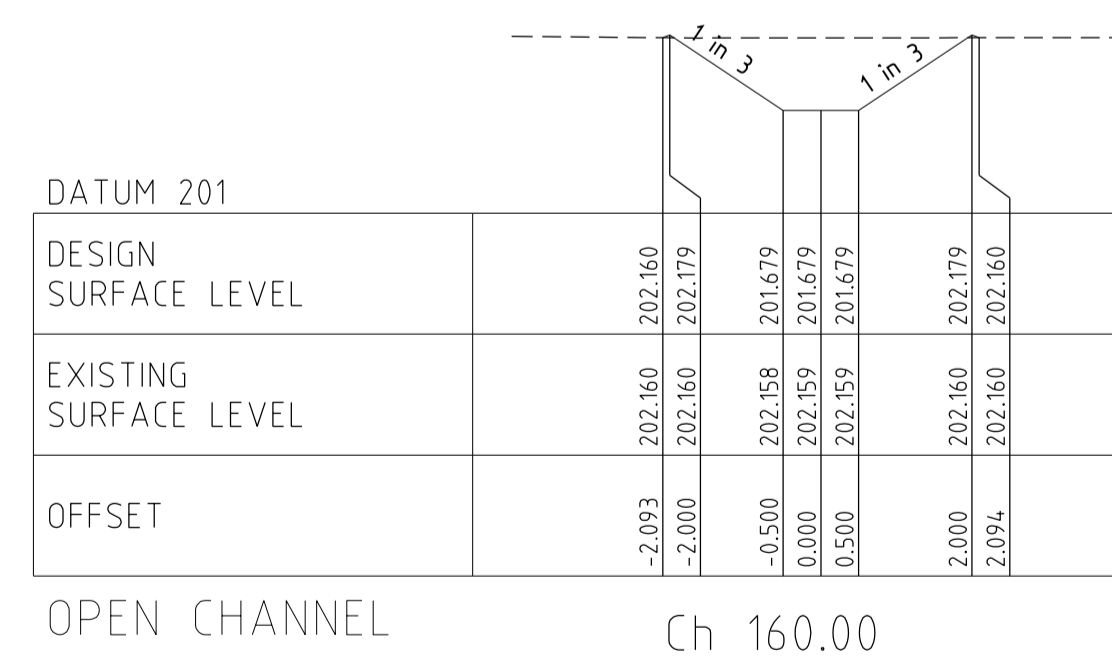
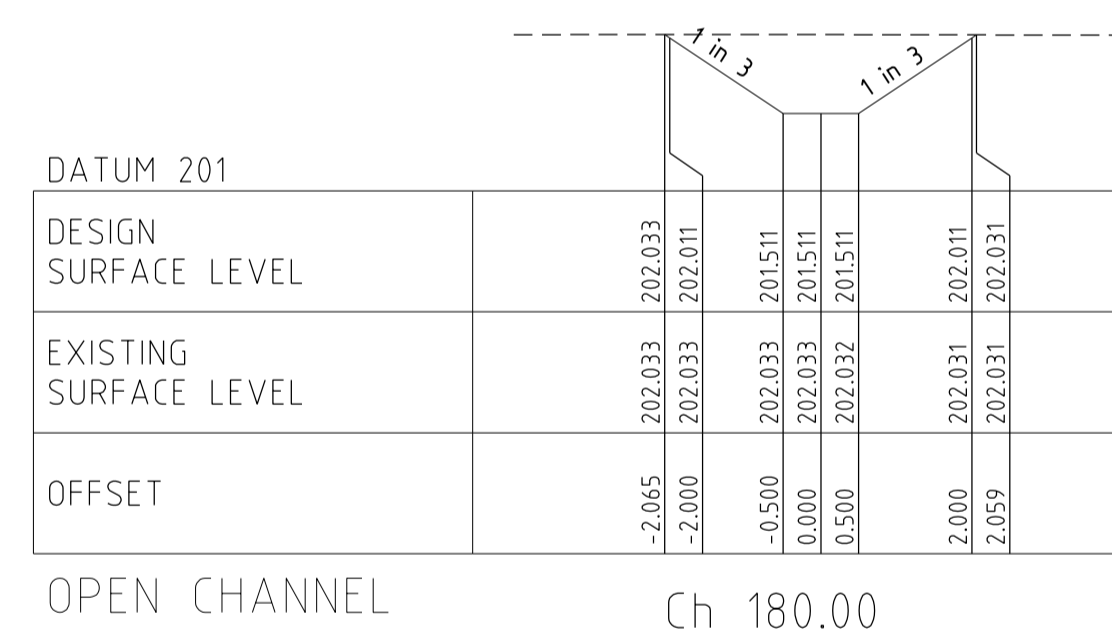
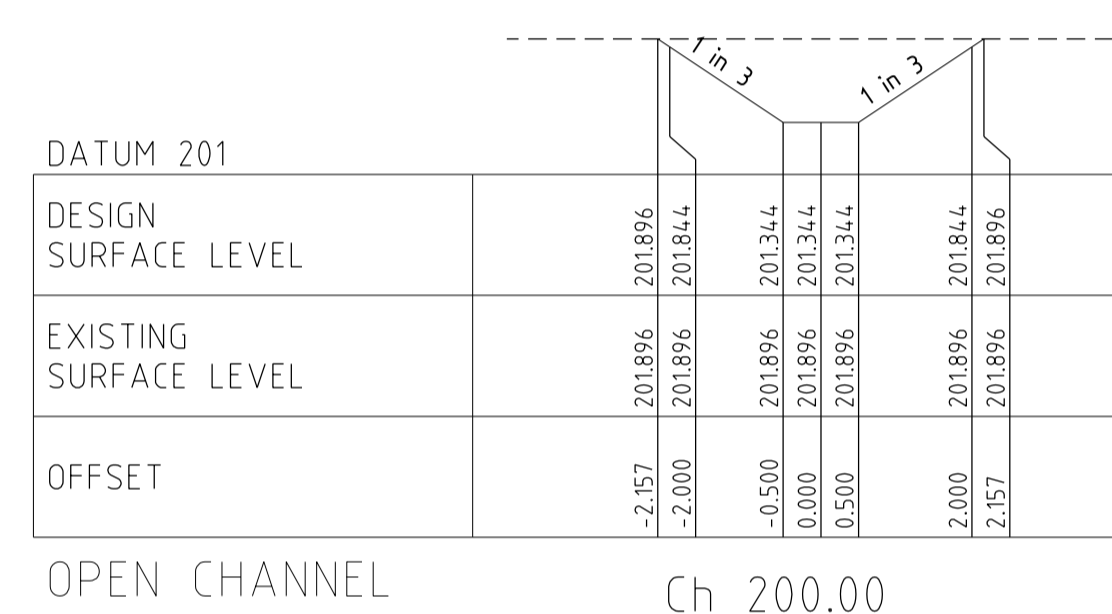
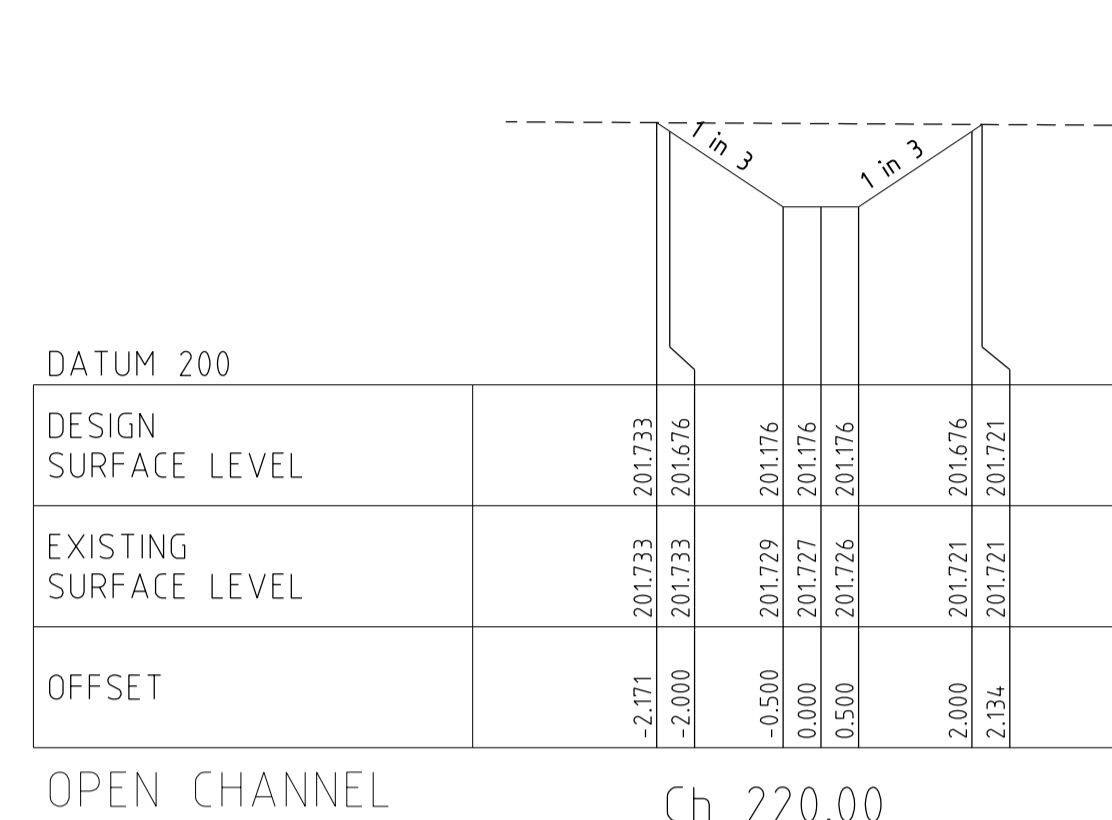
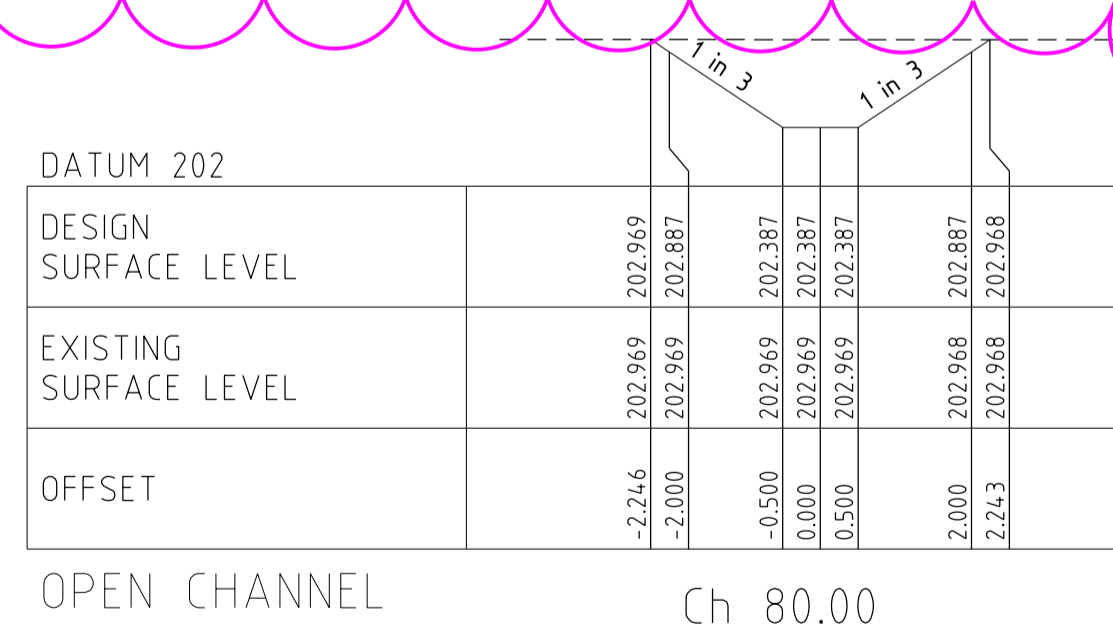
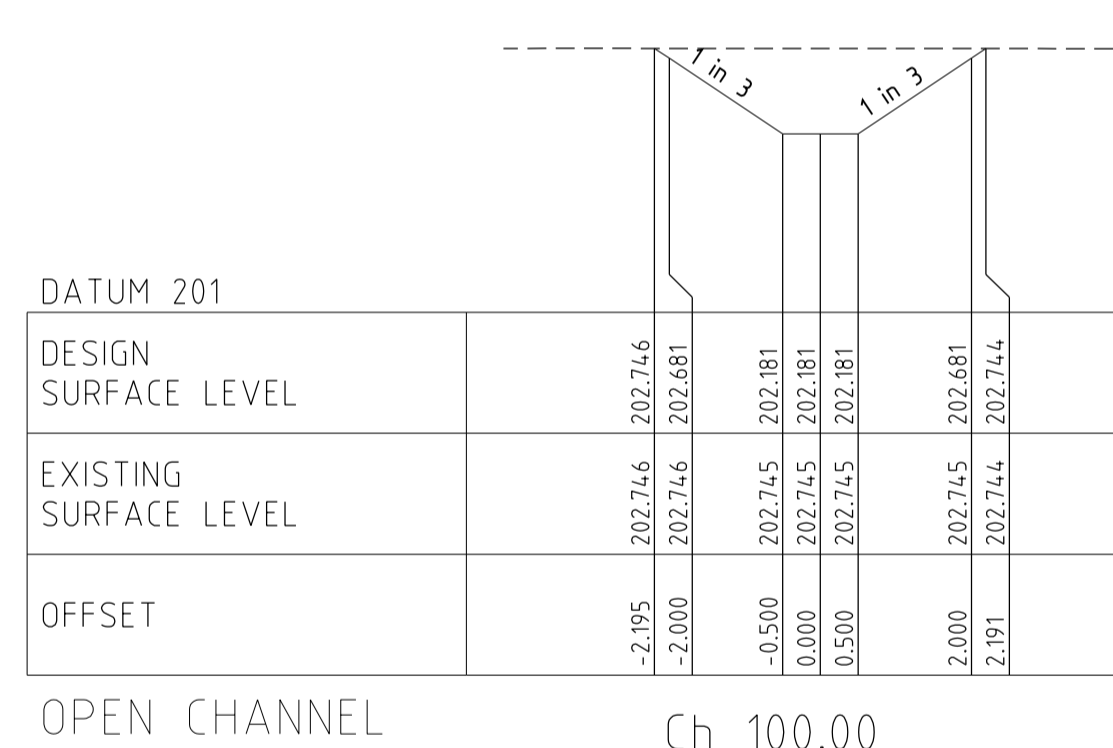
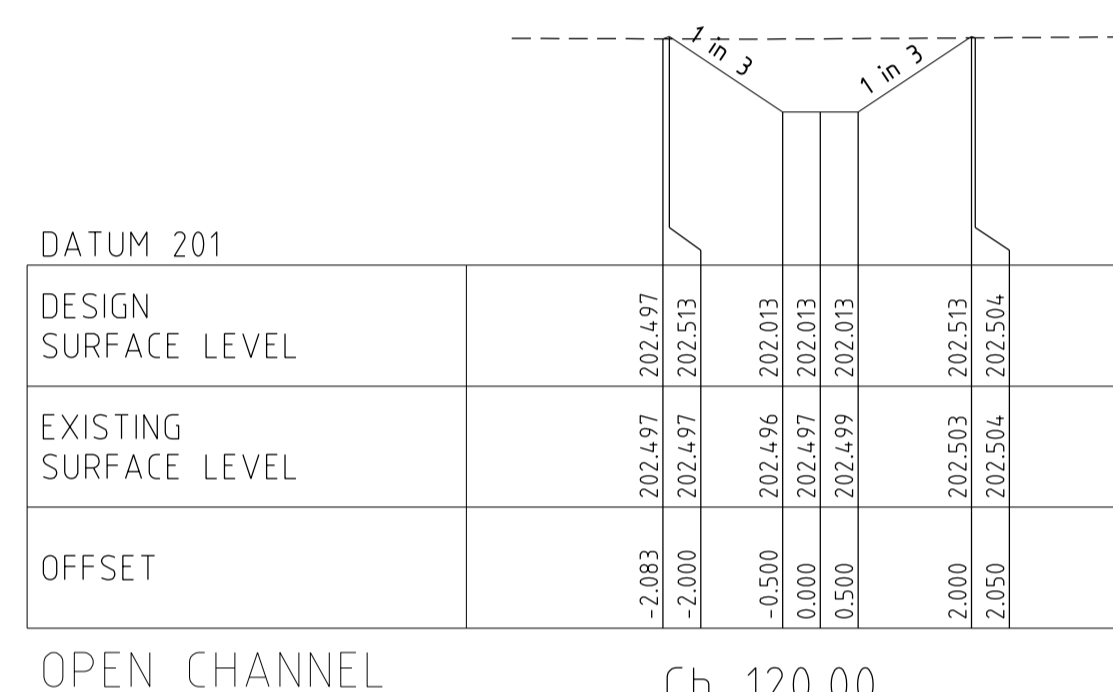
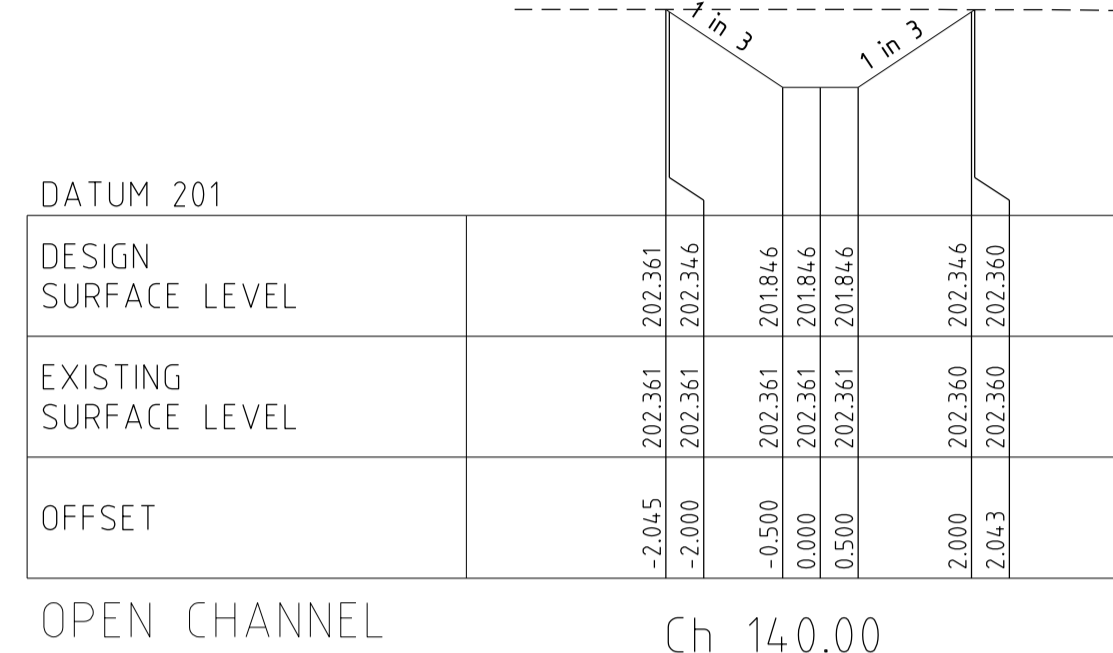
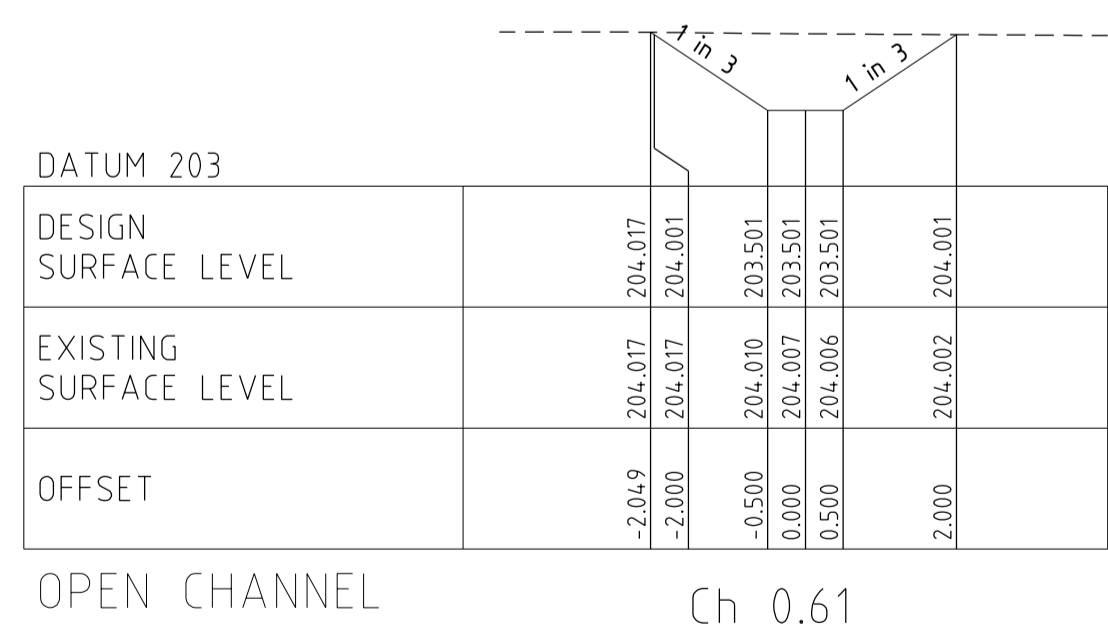
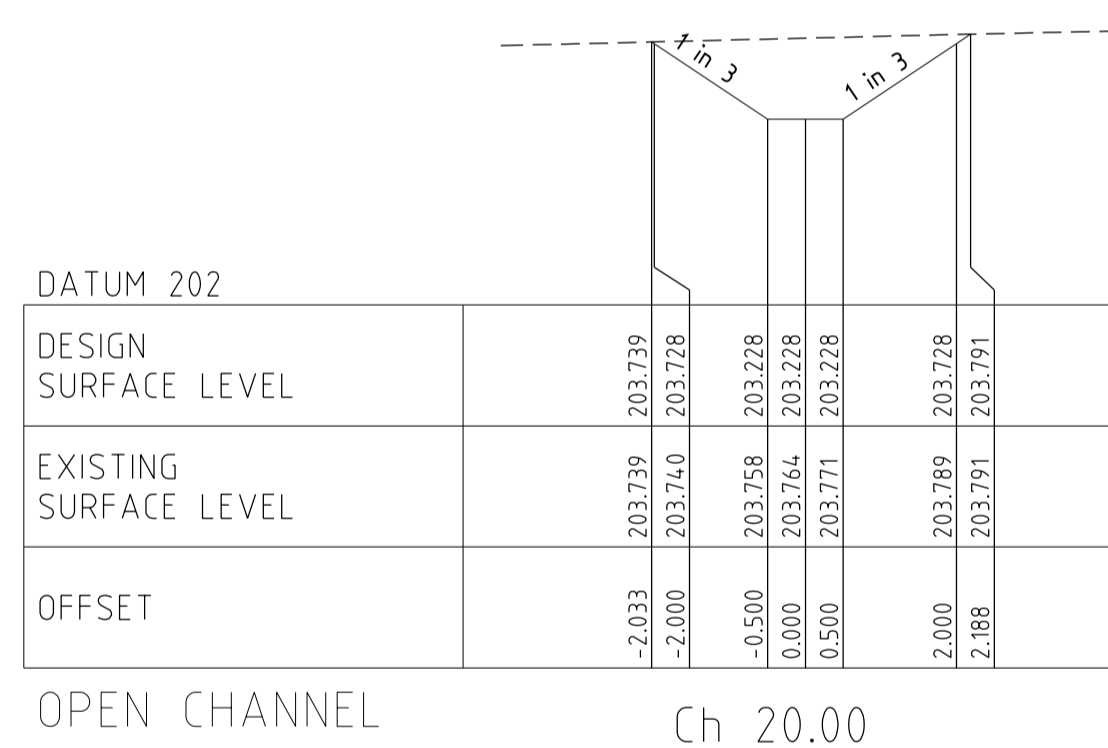
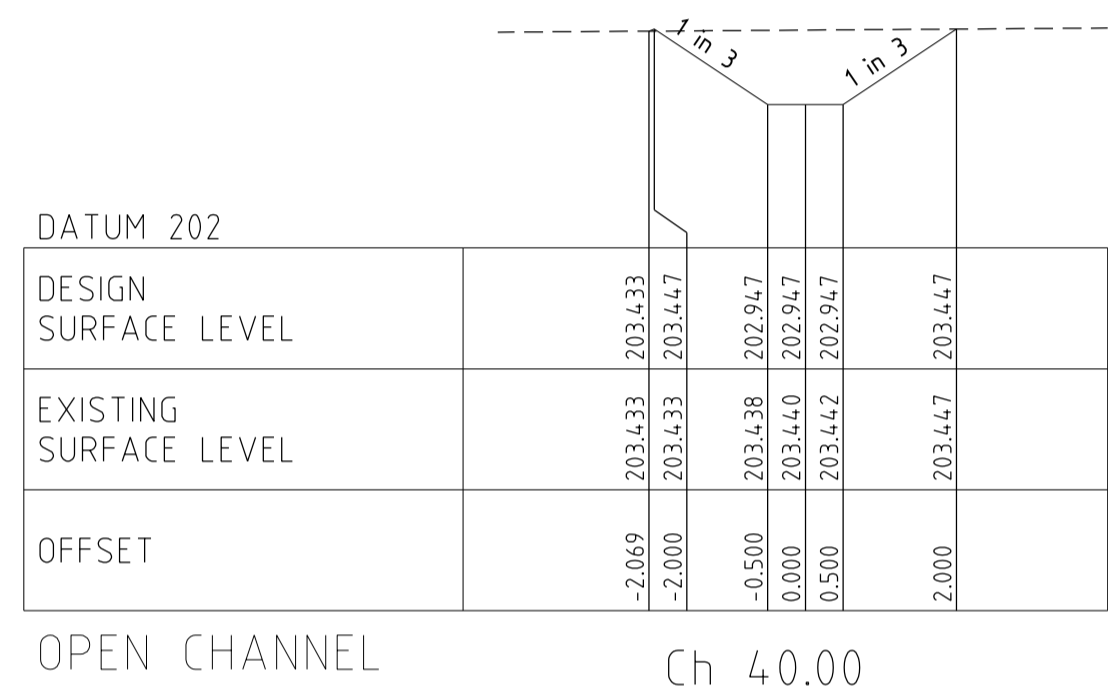
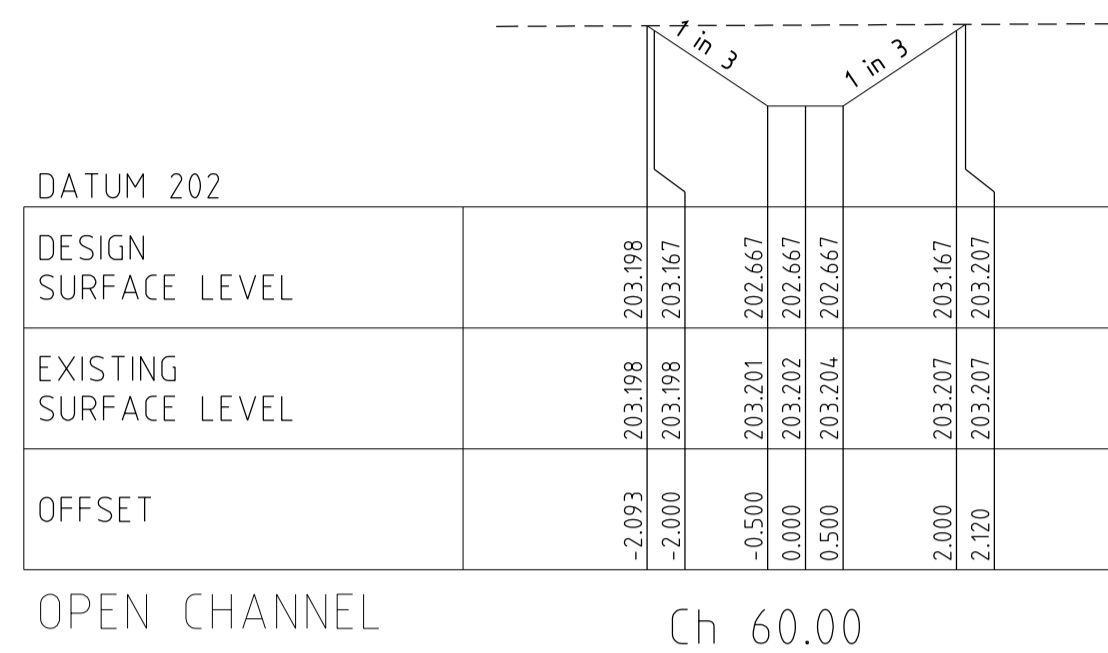
Redstone  
*Your world awaits*  
Checked  
**D. CAMERON**  
Date  
26/03/21

**REDSTONE ESTATE  
STAGE 11  
OPEN OUTFALL DRAIN DETAILS**

VILLAWOOD PROPERTIES  
HUME CITY COUNCIL

**AS CONSTRUCTED** Drg No 305922R16 Rev 2





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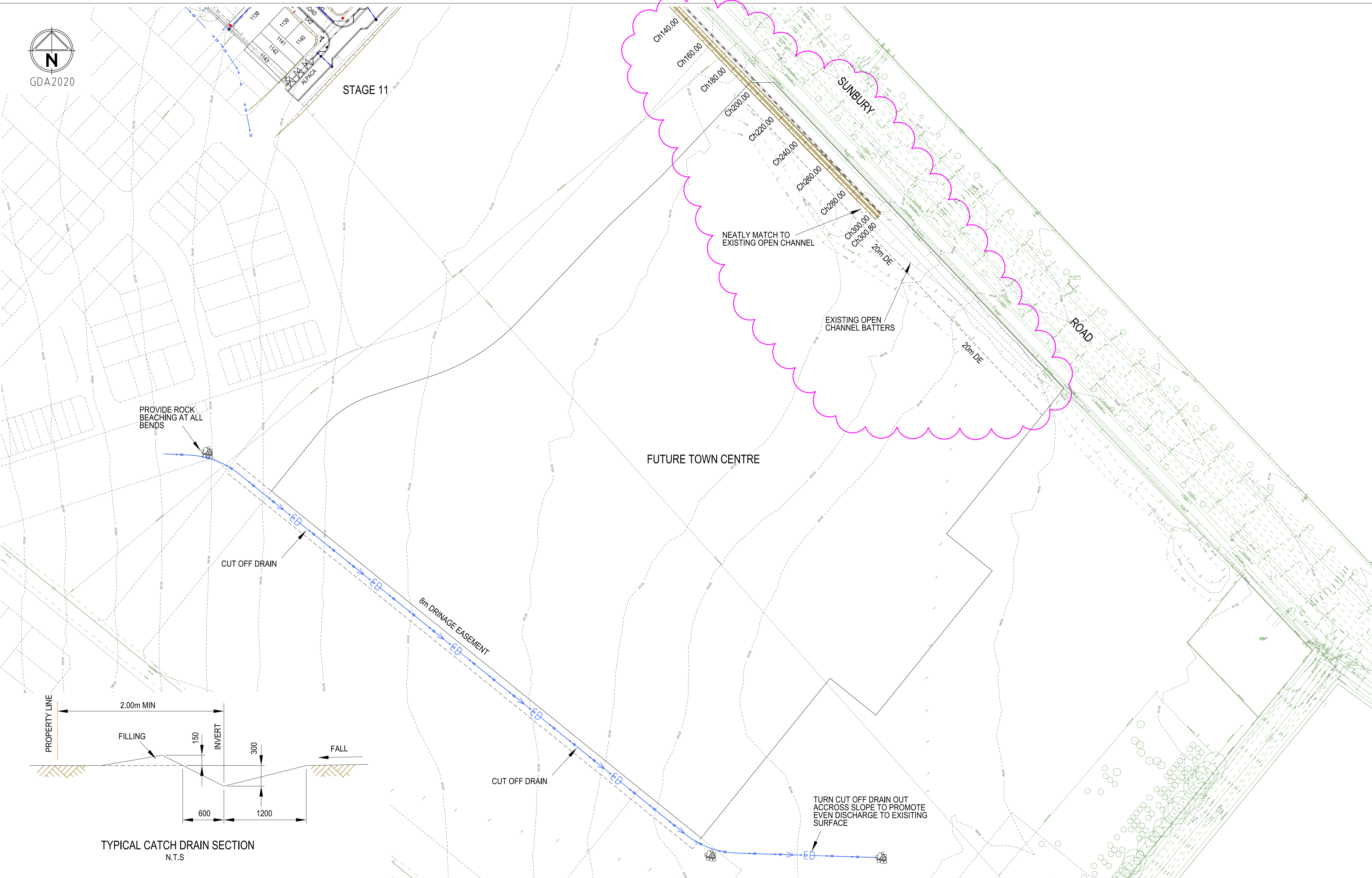


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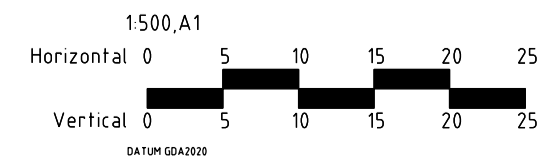
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 STAGE 11  
 CROSS SECTIONS  
 OPEN OUTFALL CHANNEL  
 VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL

AS CONSTRUCTED Drg No 305922R17

1	OPEN OUTFALL DRAIN REGRADED AND EXTENDED SOUTH TO CH 300.80	M.T.S	02/03/22
0	CONSTRUCTION ISSUE	M.T.S	04/08/21
Rev	Amendments	Approved	Date



Rev	Amendments	Approved	Date
1	OPEN OUTFALL DRAIN REGRADED AND EXTENDED SOUTH TO CH 300.80	M.T.S	02/03/22
0	CONSTRUCTION ISSUE	M.T.S	16/02/22



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Designed by  
**R. WEINBER**  
 Authorised  
**M. TOOMER-SMITH**

Checked  
**D. CAMERON**  
 Date  
 16/02/22

**REDSTONE ESTATE**  
**STAGE 11**  
**EXTERNAL CUT OFF DRAIN PLAN**

VILLAWOOD PROPERTIES  
 HUME CITY COUNCIL

**AS CONSTRUCTED** Drg No 305922R18 Rev 1