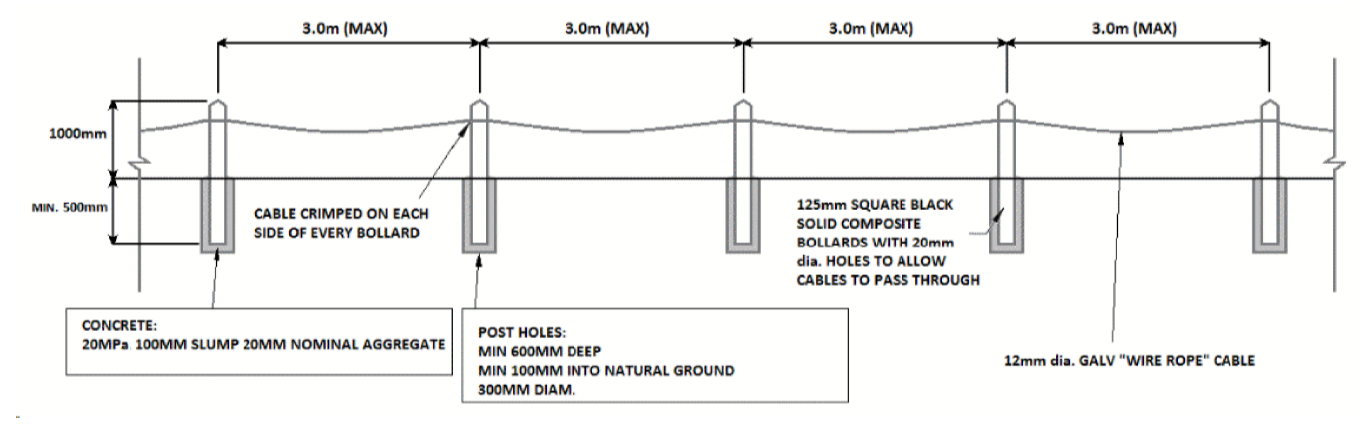
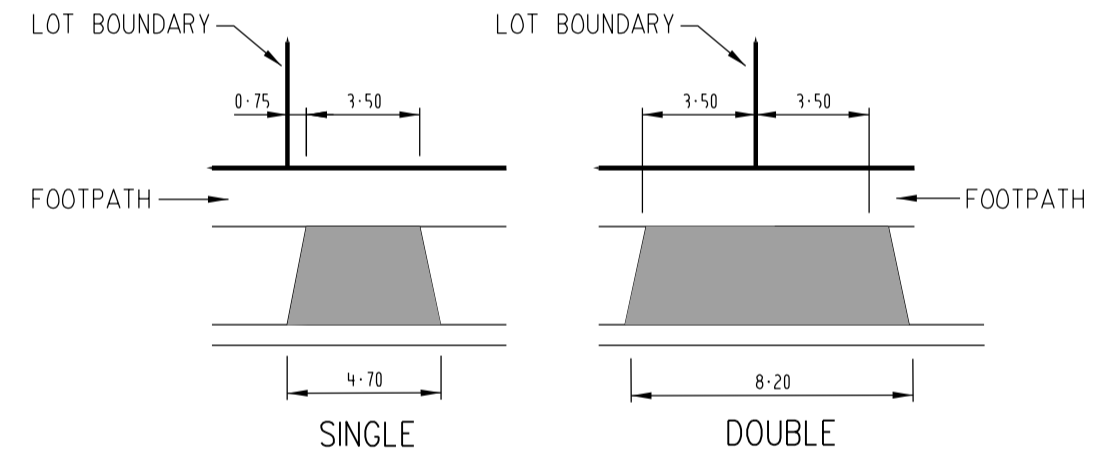
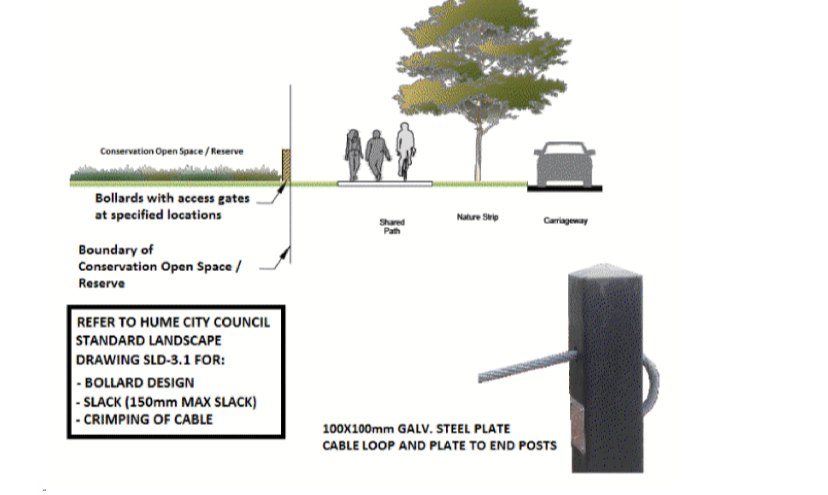


LOCALITY PLAN
NTS

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	D	DETAIL PLAN, SHEET INDEX, SERVICES SCHEDULE & LOCALITY PLAN
2	B	TYPICAL CROSS SECTIONS, PAVEMENT DETAIL & INTERSECTION PLAN
3	A	INTERSECTION PLAN - 2
4	A	LONGITUDINAL SECTION - REALM VISTA & LONG DRIVEWAY (LOT 837)
5	A	LONGITUDINAL SECTION - AMBERFIELD STREET & GELLIBRAND DRIVE
6	A	CROSS SECTIONS - REALM VISTA
7	A	CROSS SECTIONS - AMBERFIELD STREET
8	A	CROSS SECTIONS - GELLIBRAND DRIVE
9	A	CROSS SECTIONS - LONG DRIVEWAY (LOT 837)
10	A	DRAINAGE LONGITUDINAL SECTIONS-1
11	A	DRAINAGE LONGITUDINAL SECTIONS-2
12	A	DRAINAGE LONGITUDINAL SECTIONS-3 & PIT SCHEDULE
13	A	PARKING AND SIGNAGE & LINEMARKING PLAN



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.

NOTE: ALL SEWERS UNDER FOOTPATH ARE TO BE BACKFILLED WITH 20mm CLASS 4 CRUSHED ROCK

ATTENTION TO CONTRACTOR

- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
- Where concrete works about a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.

SYMBOL LEGEND

Prop	Exist	Ex/Natural/FS Level	±8.51
S	S	FS @ Building Line	±8.51
S	S	Top/Toe of Batter	±8.51
W	W	Top Ret. Wall Level	±8.51
W	W	100yr Flood Level	±8.51
Property Inlet		Fill Prop/Ex	
Street Sign		Cut Prop/Ex	
PSM			
Retaining Wall			
Conduits 50mm			
Conduits 100mm			
Ex Gas/Elect/Tel			

CUT-OFF DRAIN DETAIL
(Dimensions in millimetres)
(N.T.S.)

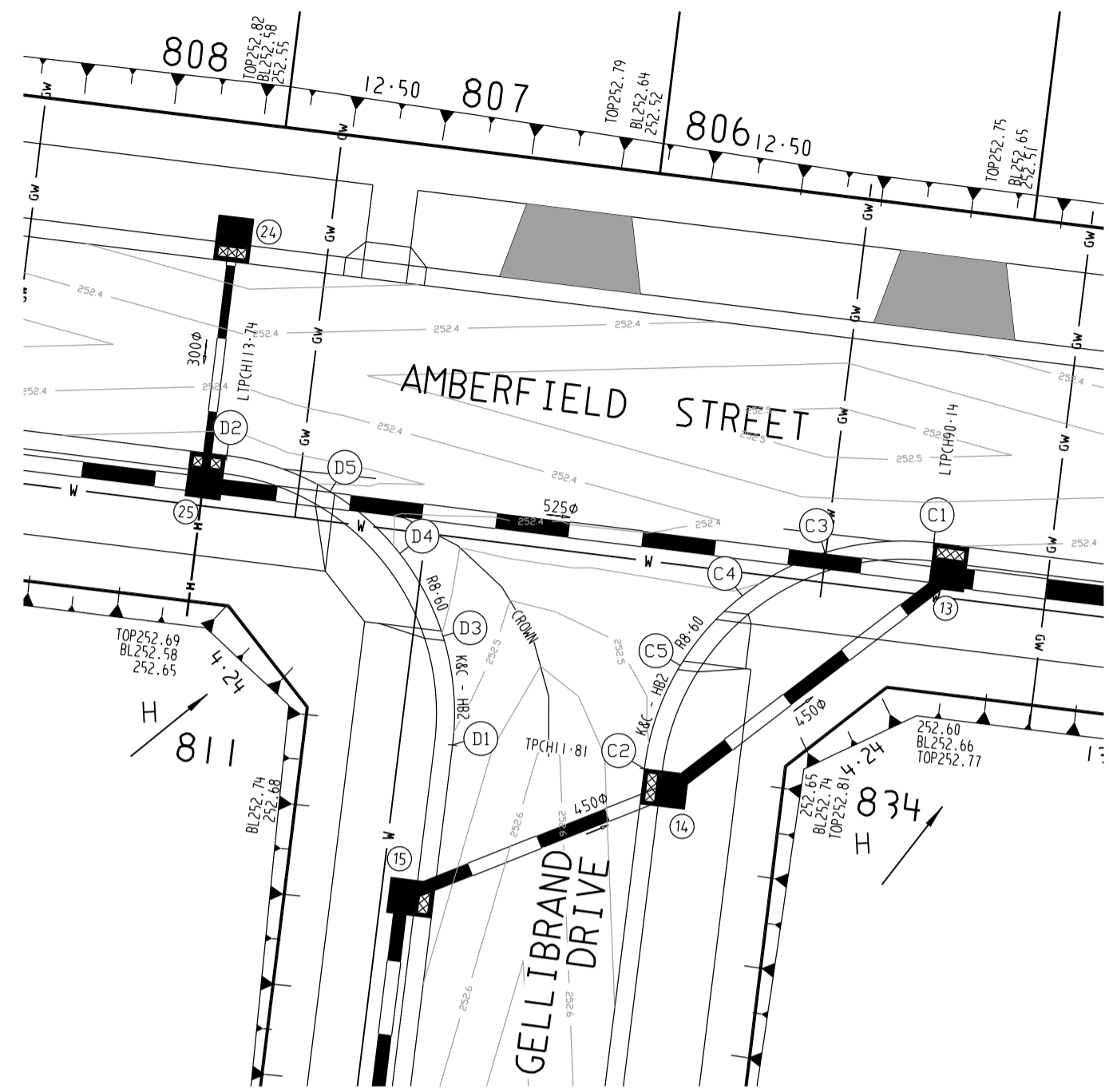
AS CONSTRUCTED

PLAN
SCALE 1:500

SERVICES OFFSETS AND LOCATIONS

STREET/LOT NAME	RD RESERVE	WATER		GAS	ELECTRICITY		NBN			Bk. of KERB	JOINT TRENCHING
		DW	NDW		CABLES	POLES	NBN CABLES	NBN PITS			
REALM VISTA (LOT 801 & 802)	16-00	3-20 W	2-70 W	2-25 W	2-50 E	1-00 BOK	1-85 E	1-85 W	4-35 W	4-05 E	G DW NDW & E NBN
REALM VISTA (LOT 821 - 831)	19-00	3-20 W/N	2-70 W/N	2-25 W/N	5-65 E/S	1-00 BOK	5-00 E/S	1-85 W/N	4-35 S	7-05 E/S	G DW NDW & E NBN
AMBERFIELD STREET	16-00	3-20 S	2-70 S	2-25 S	2-50 N	1-00 BOK	1-85 N	1-85 S	4-35 S	4-05 N	G DW NDW & E NBN
GELLIBRAND DRIVE	16-00	3-20 W	2-70 W	2-25 W	2-50 E	1-00 BOK	1-85 E	1-85 W	4-35 W	4-05 E	G DW NDW & E NBN
LONG DRIVEWAY (LOT 837)	10-00	2-65 S	2-15 S	1-70 S	1-65 N	-	1-00 N	1-00 S	3-00 S	3-00 N	G DW NDW & E NBN

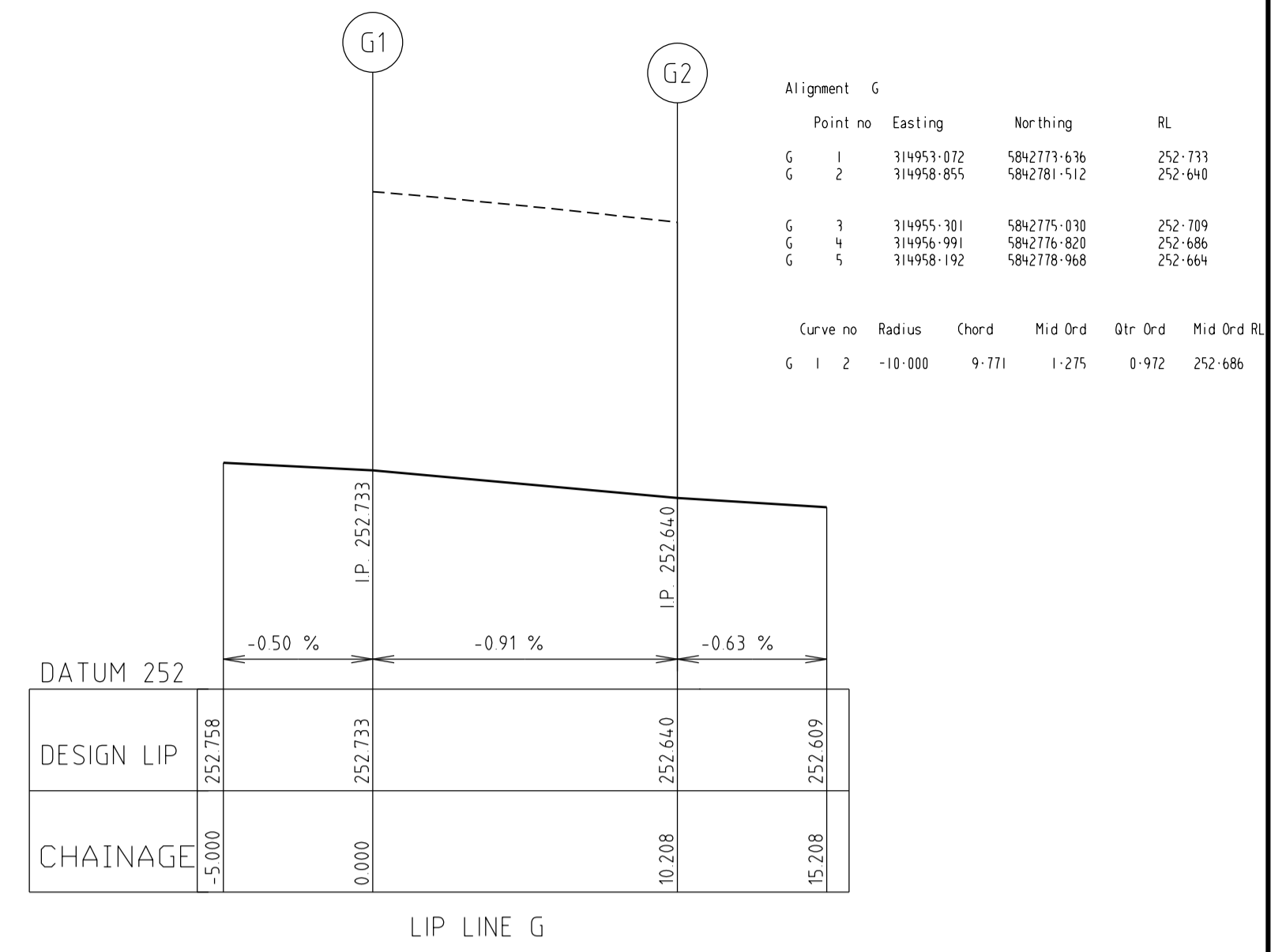
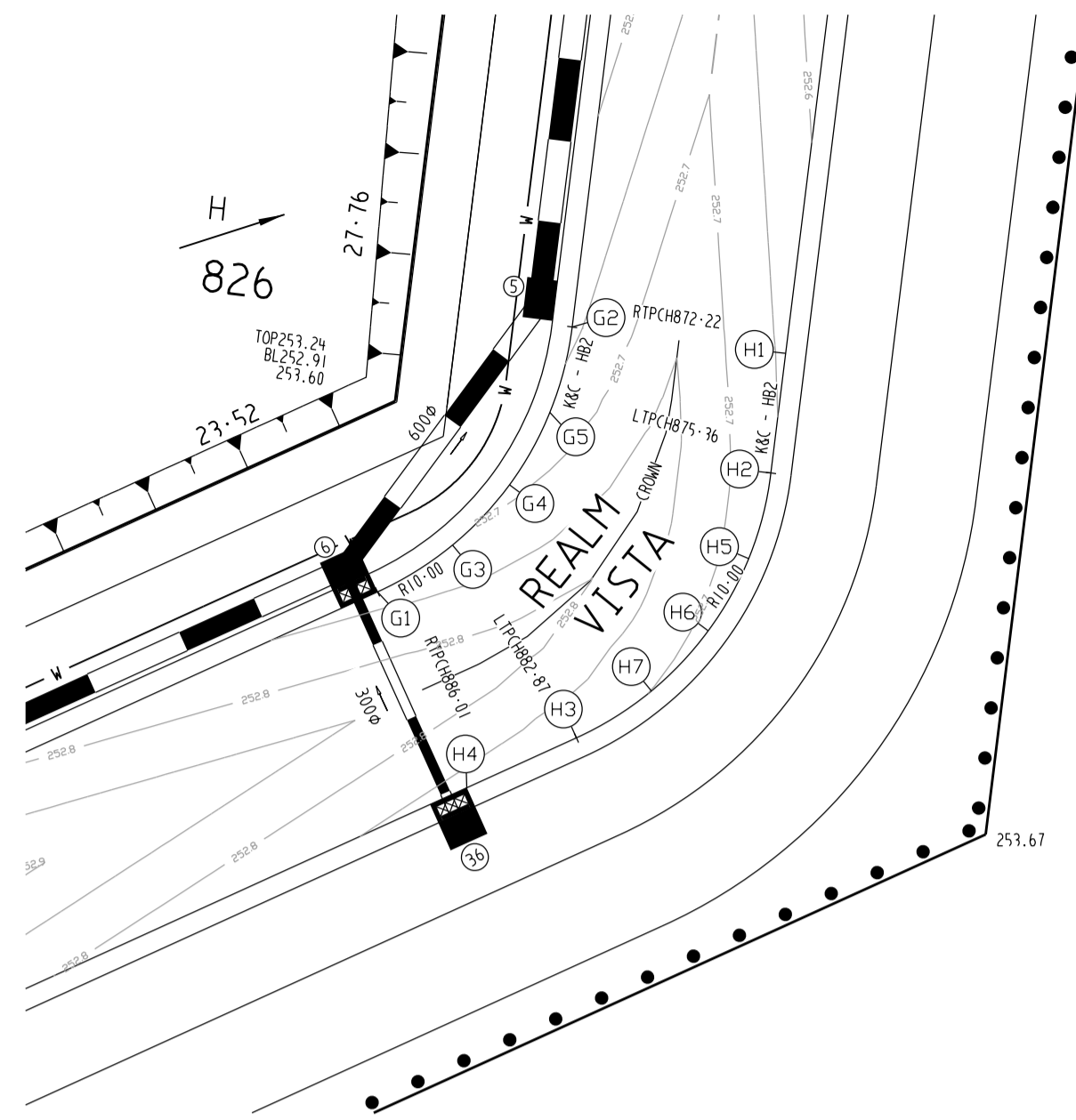
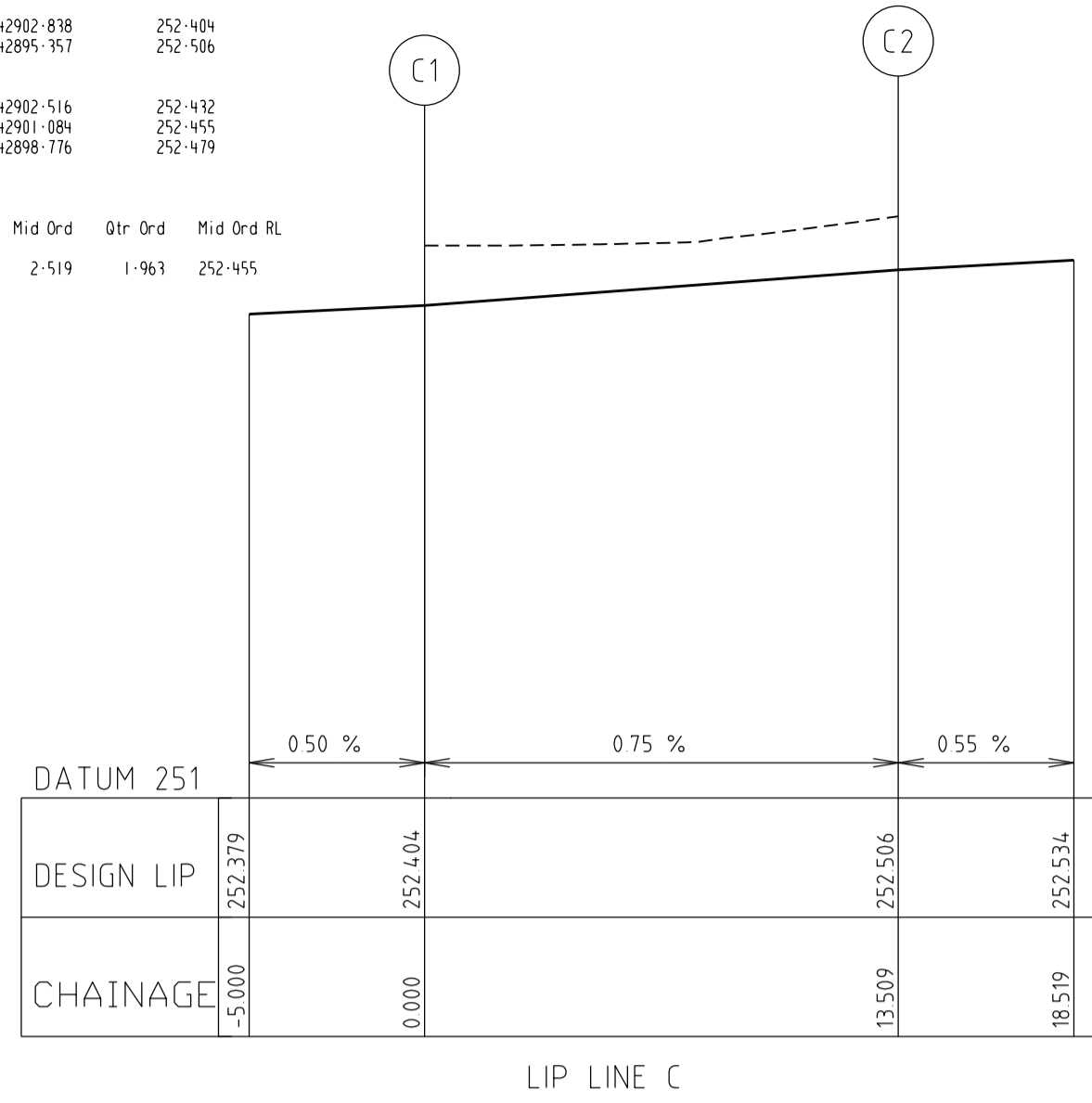
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		land surveyors		civil engineers	
WARATAH ESTATE STAGE 8		MELWAY REF.	366-E-6	MUNICIPALITY HUME REFERENCE 8711 E/8	
		SURVEY	BPD		
VER DATE REMARKS		DESIGN	SBS	SCALE AS SHOWN DATUM AHD DATE MAR '17 SHEET 1 OF 13	
		DRAWN	SBS		



Alignment C

Point no	Easting	Northing	RL
C 1	314889.261	5842982.818	252.440
C 2	314879.672	5842895.157	252.506
C 3	314885.656	5842982.516	252.432
C 4	314882.917	5842981.084	252.455
C 5	314888.861	5842983.776	252.479

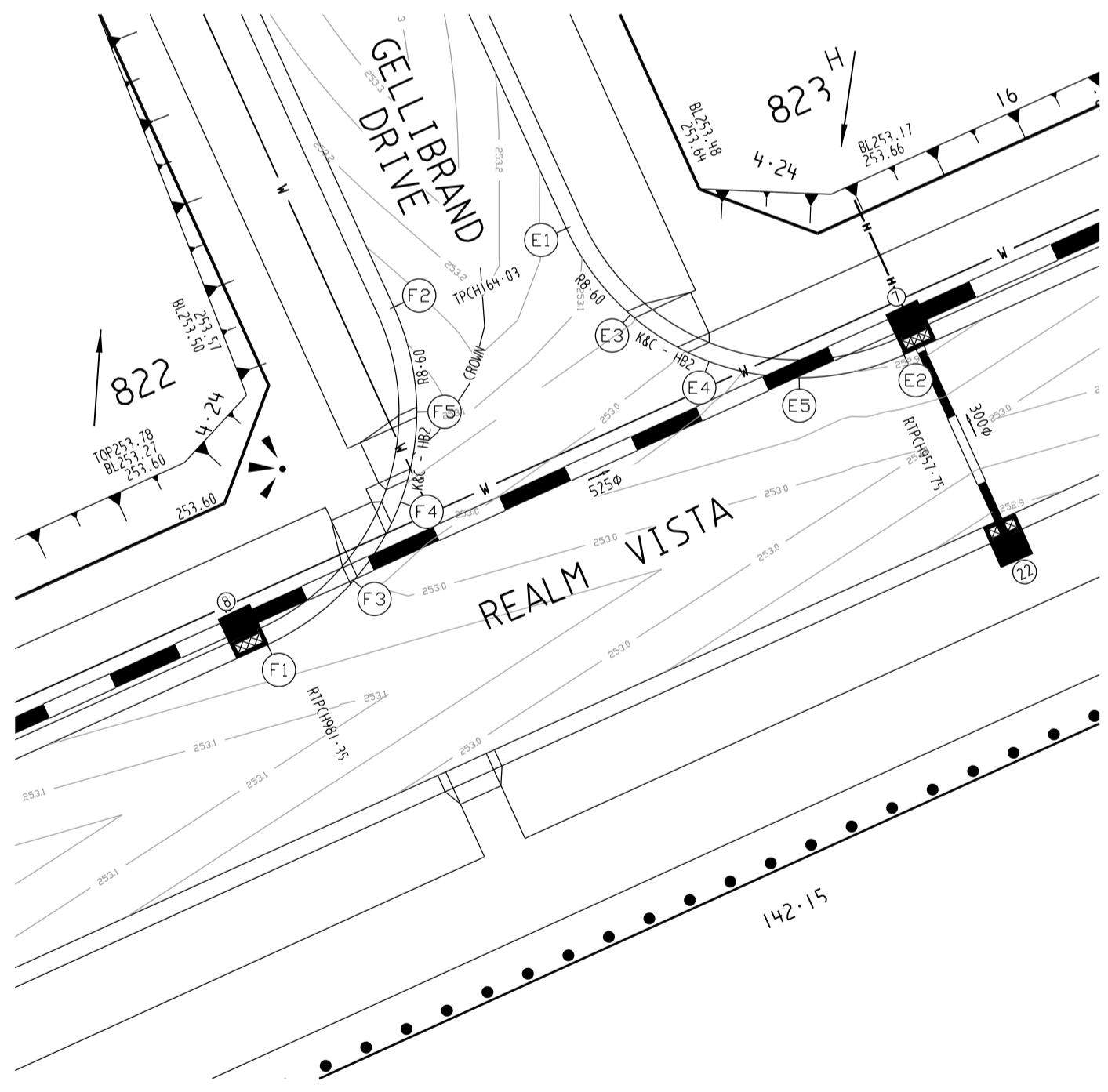
Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
C 1 2	-8.600	12.162	2.519	1.963	252.455



Alignment G

Point no	Easting	Northing	RL
G 1	314953.072	5842773.676	252.771
G 2	314958.855	5842781.512	252.640
G 3	314955.101	5842775.070	252.789
G 4	314956.991	5842776.829	252.686
G 5	314958.192	5842778.968	252.664

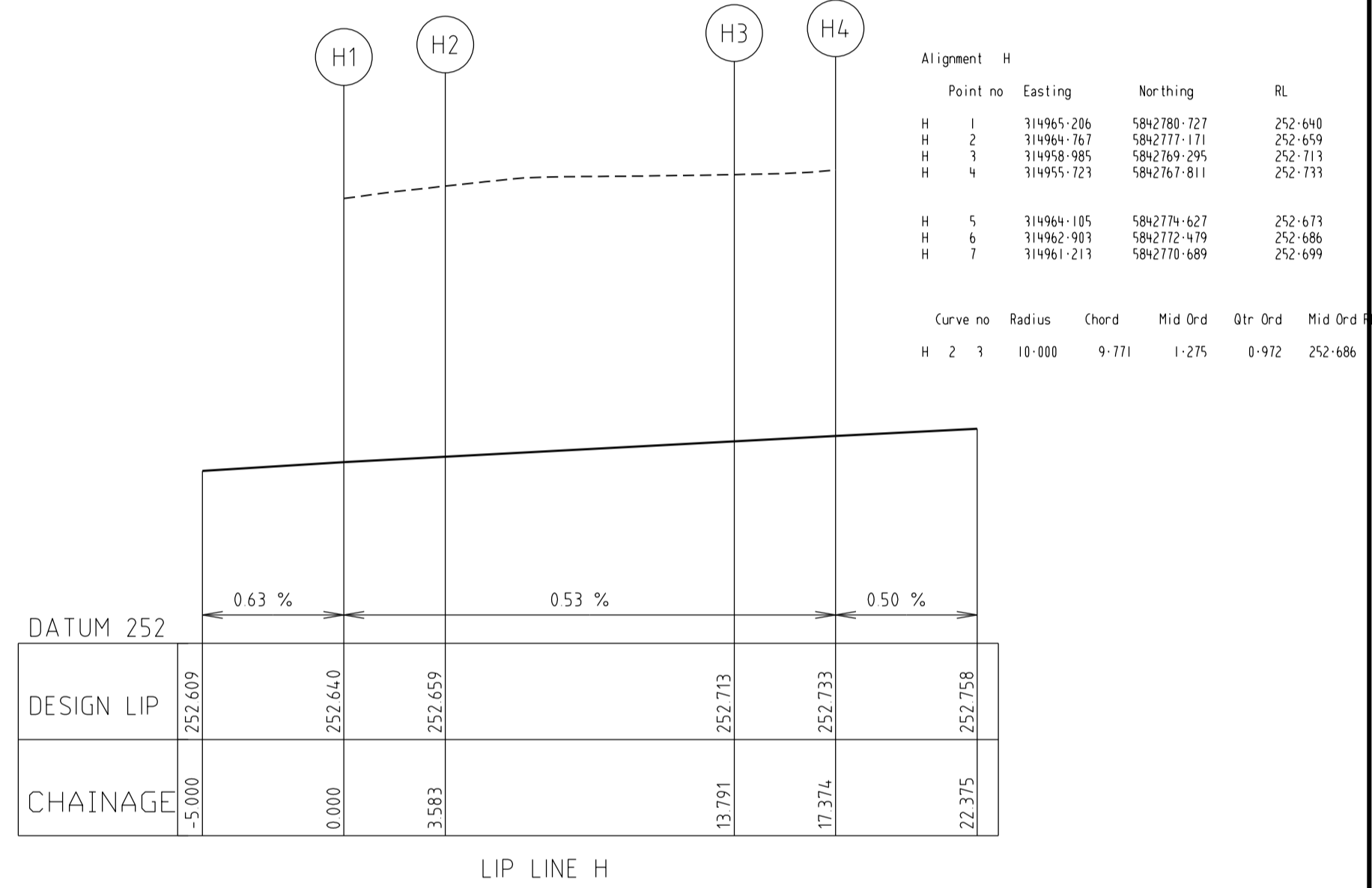
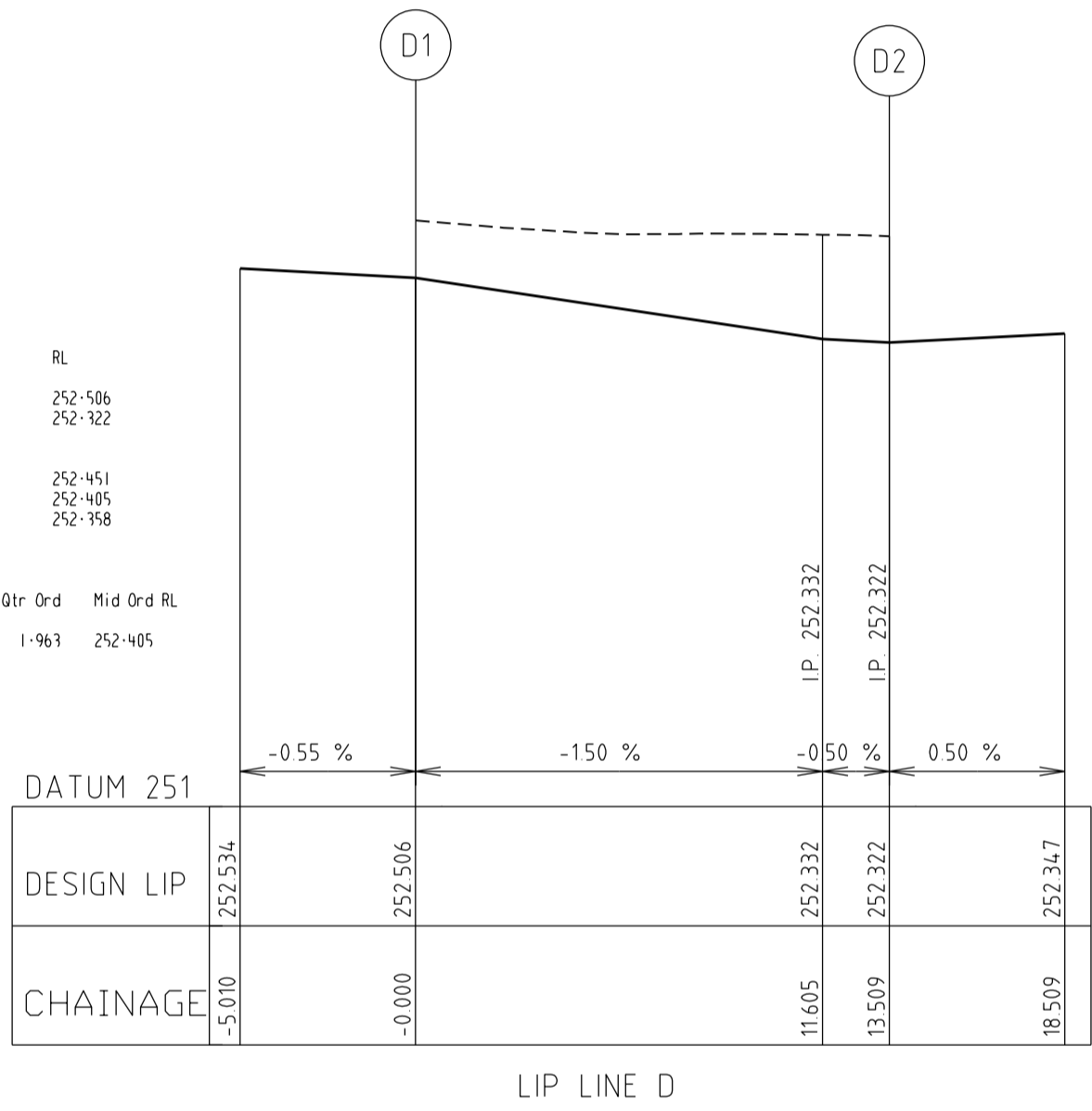
Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
G 1 2	-10.000	9.771	1.275	0.972	252.686



Alignment D

Point no	Easting	Northing	RL
D 1	314873.320	5842896.142	252.506
D 2	314865.819	5842905.731	252.322
D 3	314872.998	5842899.747	252.451
D 4	314871.566	5842902.486	252.485
D 5	314869.258	5842904.162	252.508

Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
D 1 2	-8.600	12.162	2.519	1.963	252.495



Alignment H

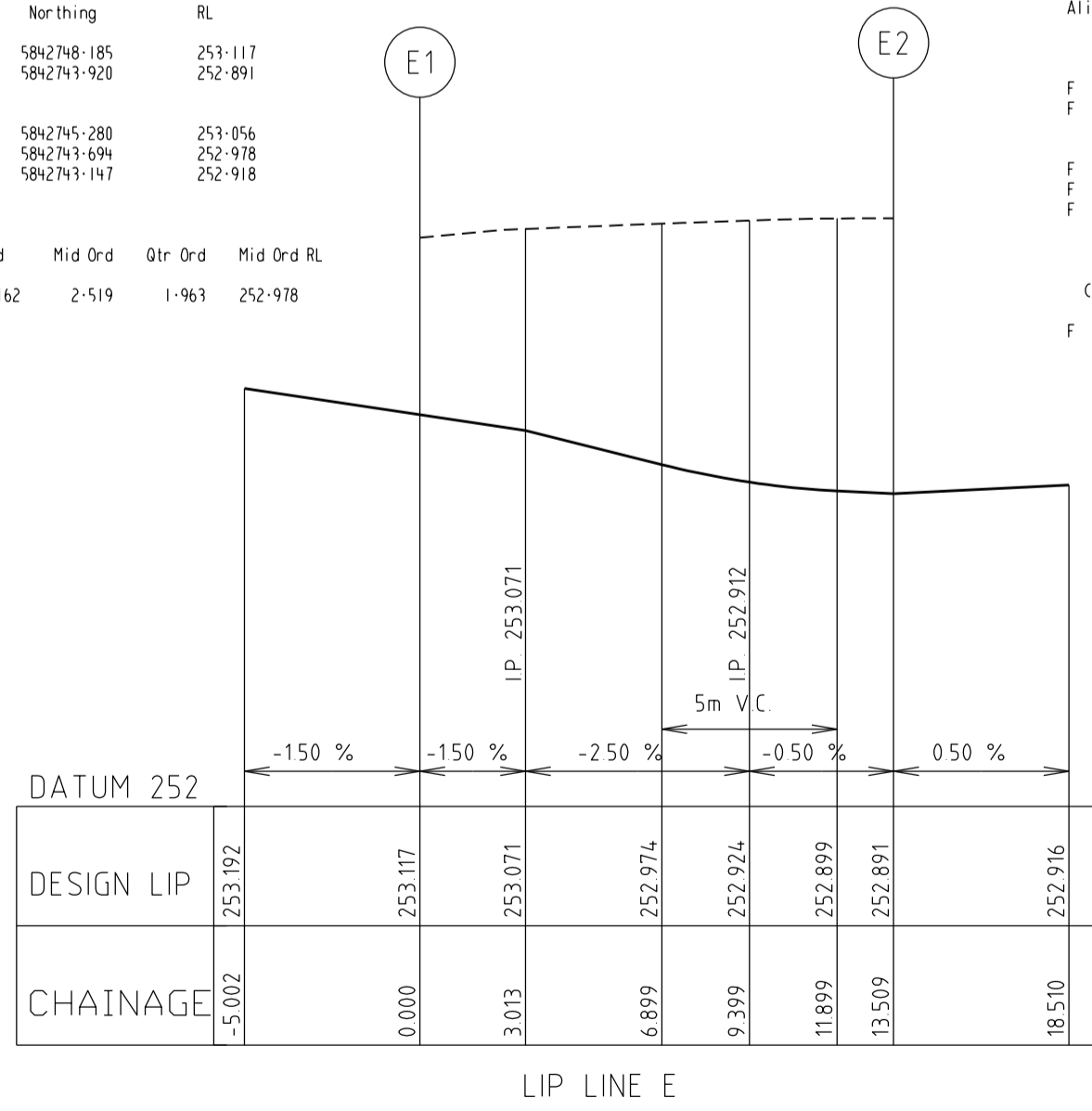
Point no	Easting	Northing	RL
H 1	314965.206	5842780.727	252.640
H 2	314949.767	5842777.171	252.619
H 3	314958.085	5842780.295	252.713
H 4	314955.723	5842787.811	252.733
H 5	314949.105	5842774.627	252.673
H 6	314962.823	5842772.479	252.686
H 7	314961.213	5842778.689	252.699

Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
H 2 3	10.000	9.771	1.275	0.972	252.686

Alignment E

Point no	Easting	Northing	RL
E 1	314870.187	5842748.185	253.117
E 2	314881.777	5842741.928	252.891
E 3	314878.546	5842745.280	253.056
E 4	314881.199	5842743.694	252.978
E 5	314884.241	5842743.147	252.918

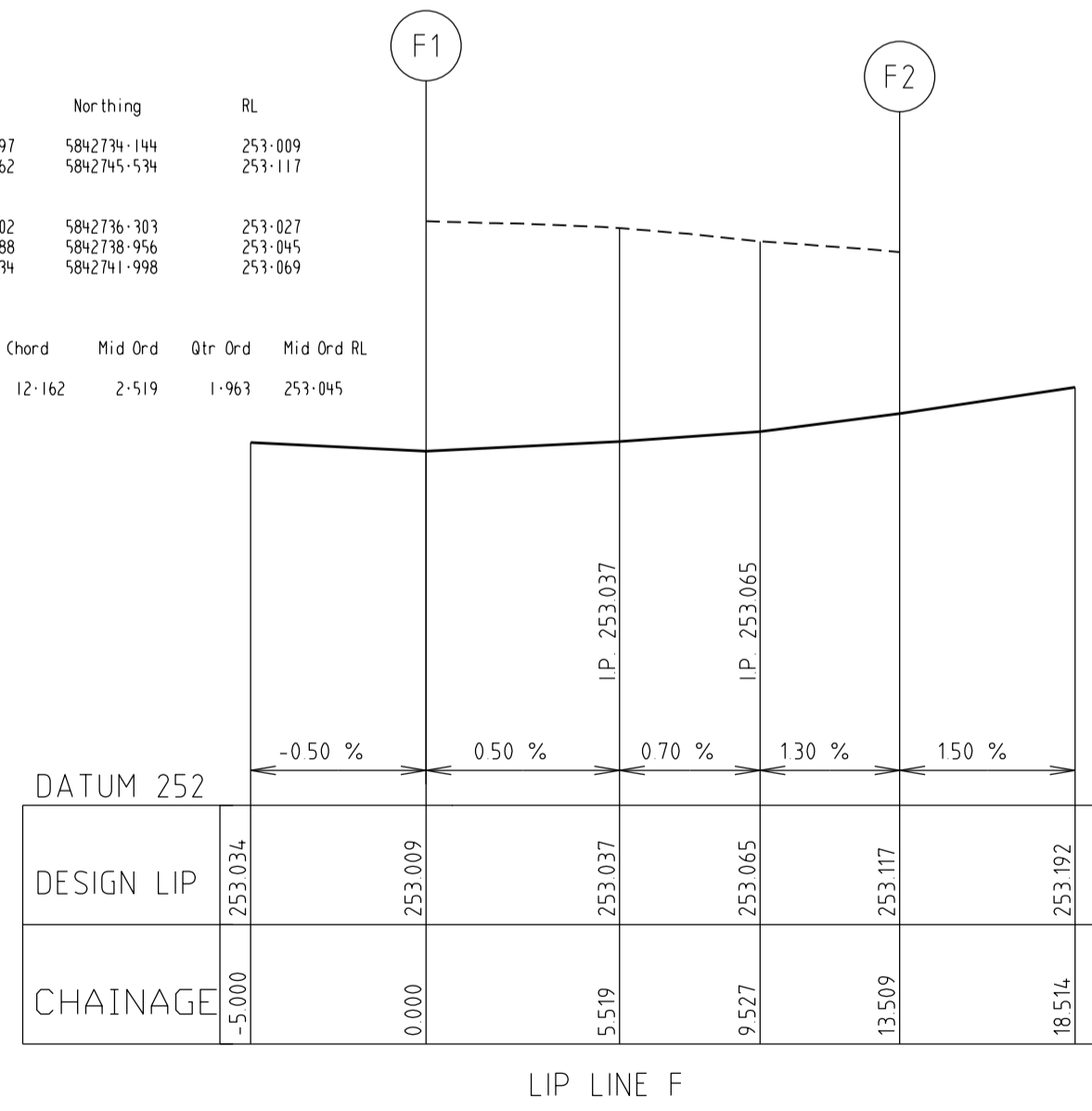
Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
E 1 2	-8.600	12.162	2.519	1.963	252.978



Alignment F

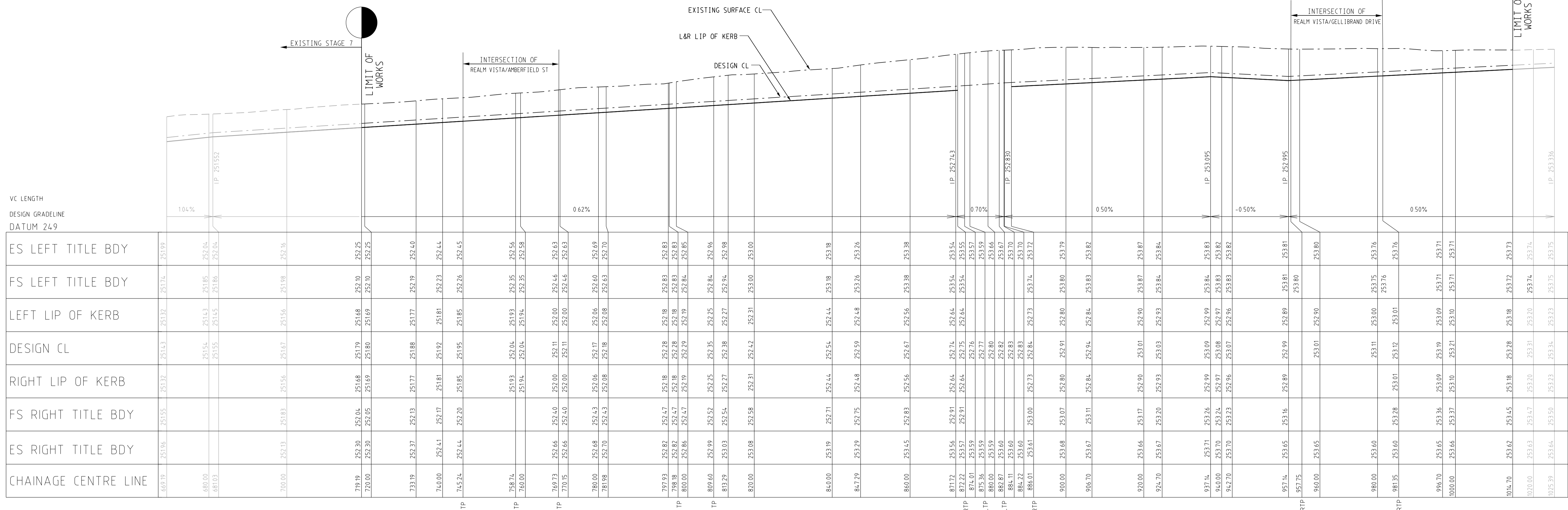
Point no	Easting	Northing	RL
F 1	314866.297	5842774.144	253.009
F 2	314870.562	5842745.574	253.117
F 3	314869.202	5842776.181	253.027
F 4	314870.788	5842778.956	253.095
F 5	314871.394	5842741.998	253.069

Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
F 1 2	-8.600	12.162	2.519	1.963	253.095

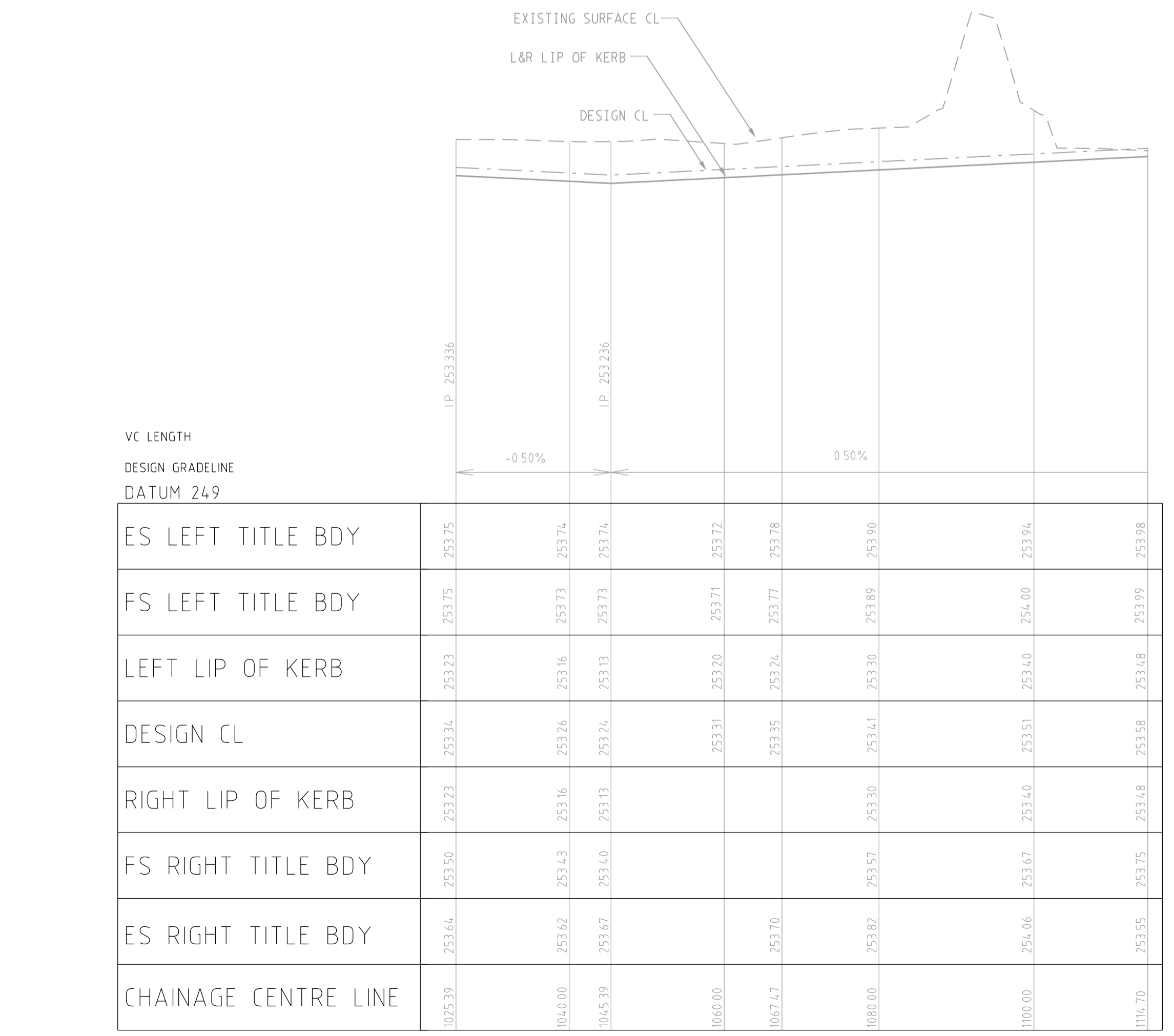


AS CONSTRUCTED

		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 366-E-6		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME REFERENCE 8711 E/8	
A 1/9/17 ISSUED FOR CONSTRUCTION		DRAWN SBS		SCALE AS SHOWN DATUM AHD DATE MAR '17 SHEET 3 OF 13	
AMENDMENTS VER DATE REMARKS	CHECKED		DATE		

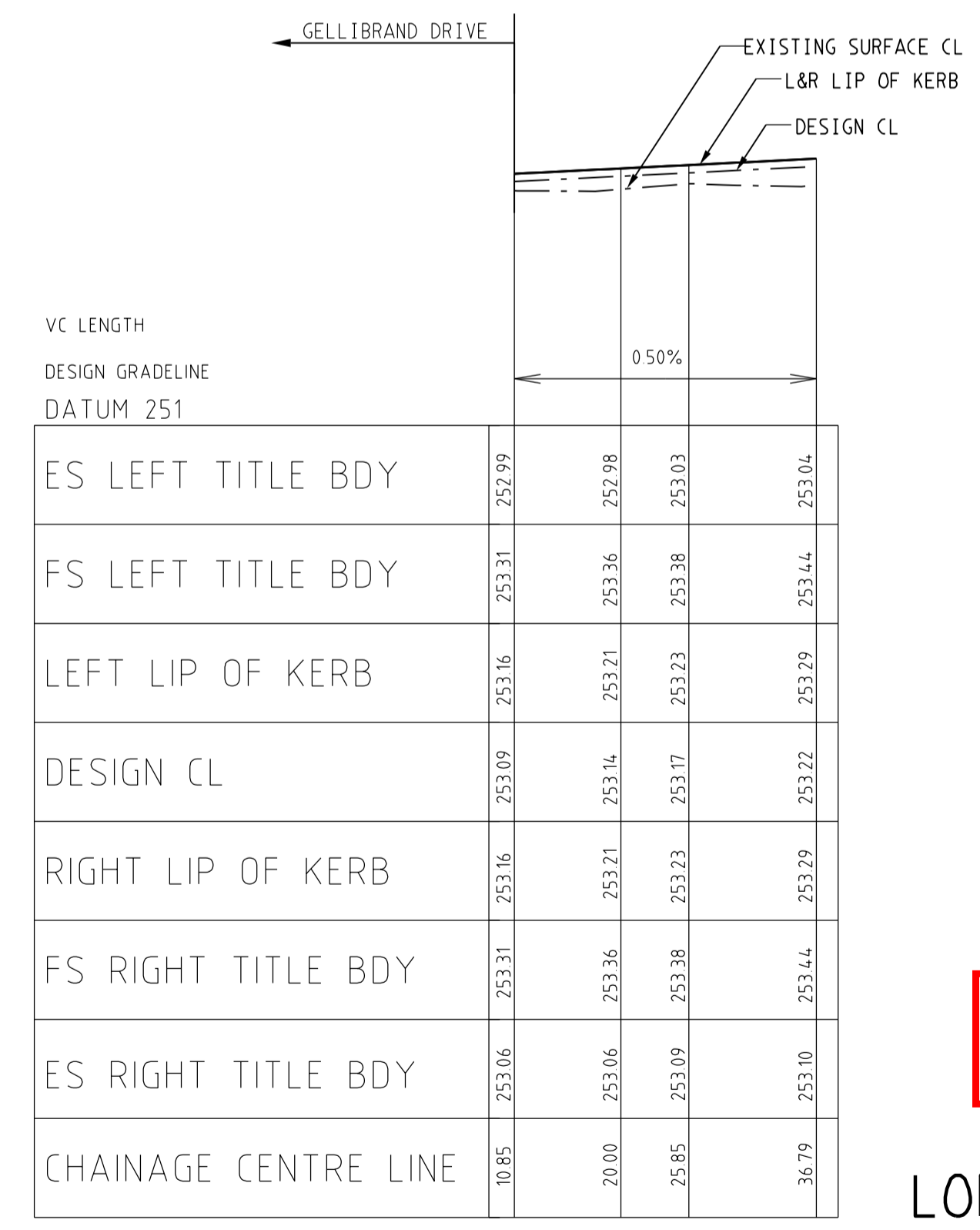


REALM VISTA



REALM VISTA

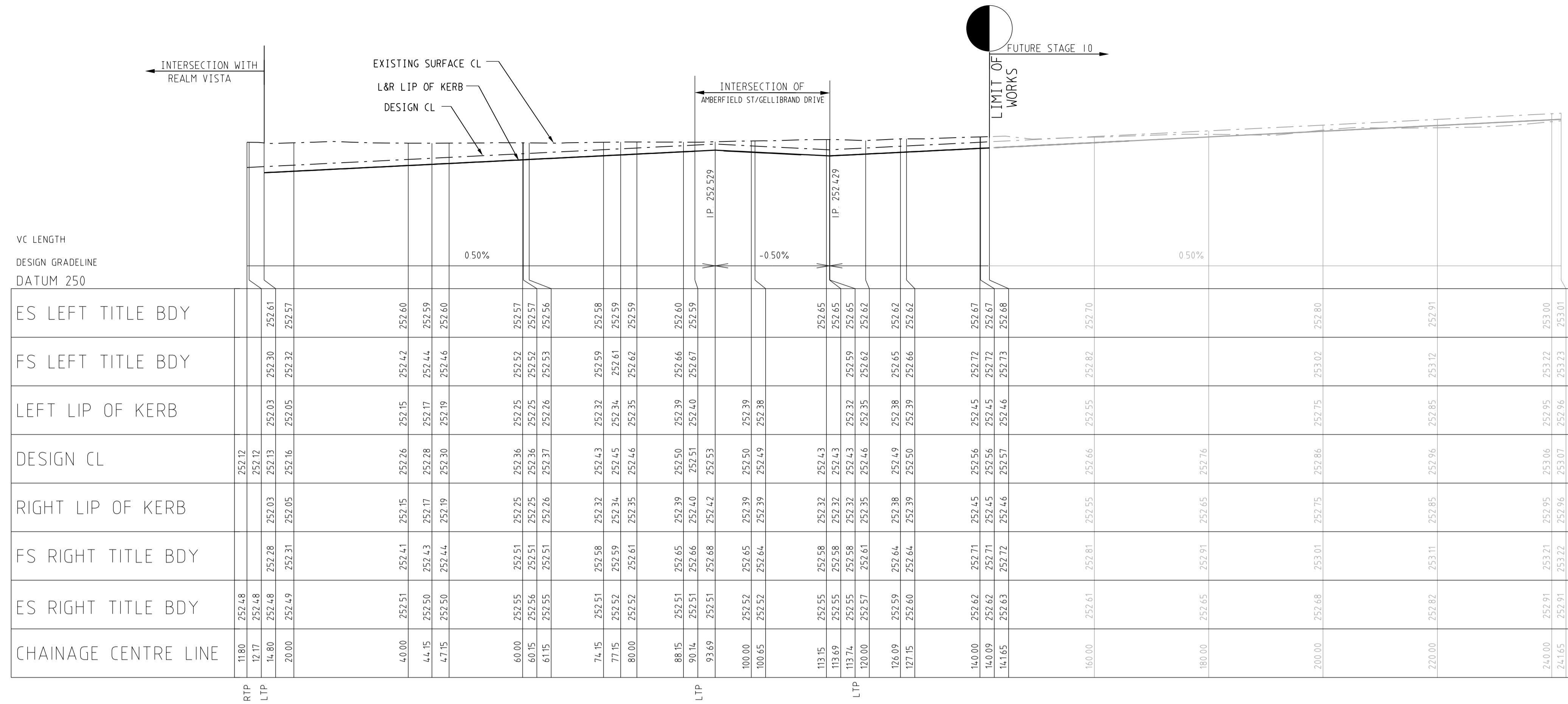
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SCALE HORIZONTAL 1:500
VERTICAL 1:50



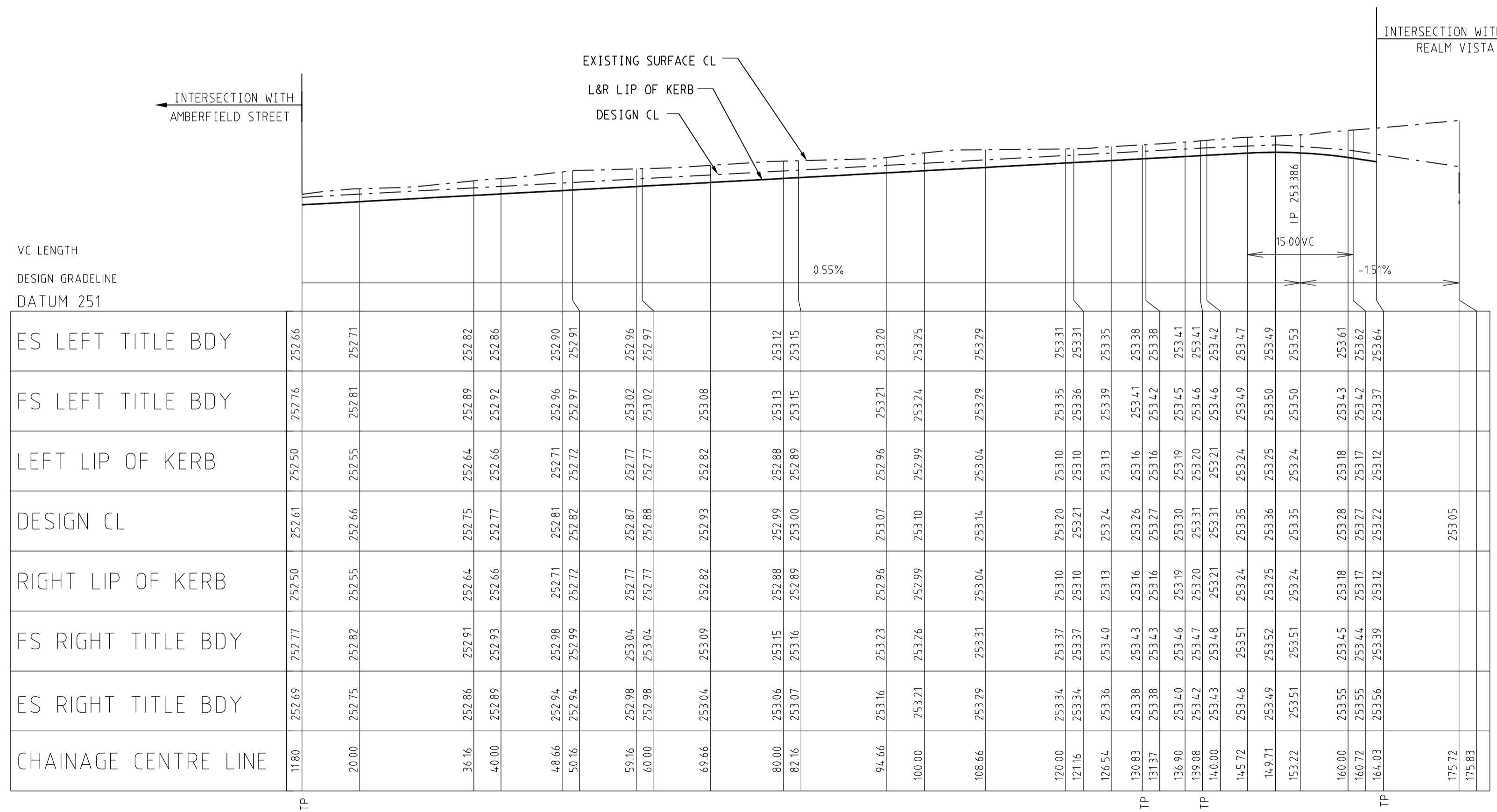
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LONG DRIVEWAY (LOT 837)

		breese pitt dixon Pty. Ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 366-E-6		SURVEY BPD		WARATAH ESTATE STAGE 8	
DESIGN SBS		DRAWN SBS		MUNICIPALITY HUME	
DATE 1/9/17		ISSUED FOR CONSTRUCTION		REFERENCE 8711 E/8	
VER.	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
				DATE MAR '17	SHEET 4 OF 13



AMBERFIELD STREET

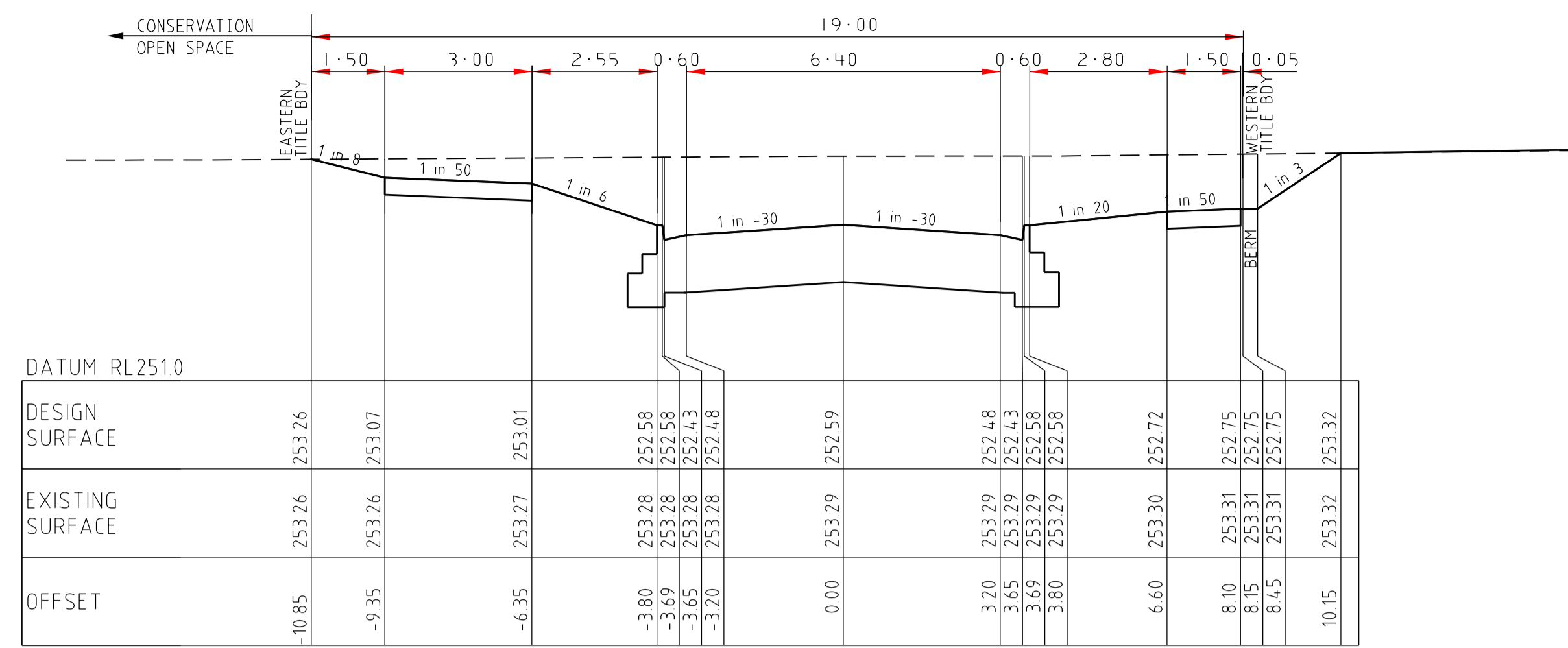


GELLIBRAND DRIVE

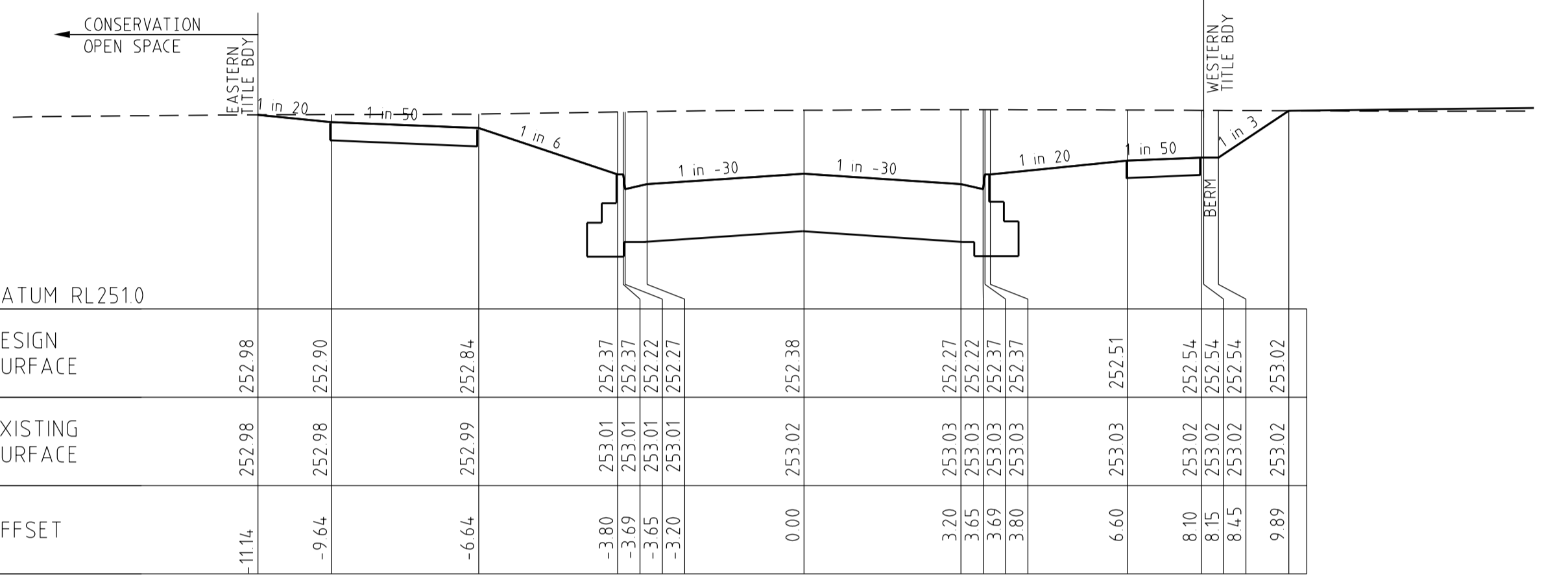
LONGITUDINAL SECTION
SCALE HORIZONTAL 1:500
VERTICAL 1:50

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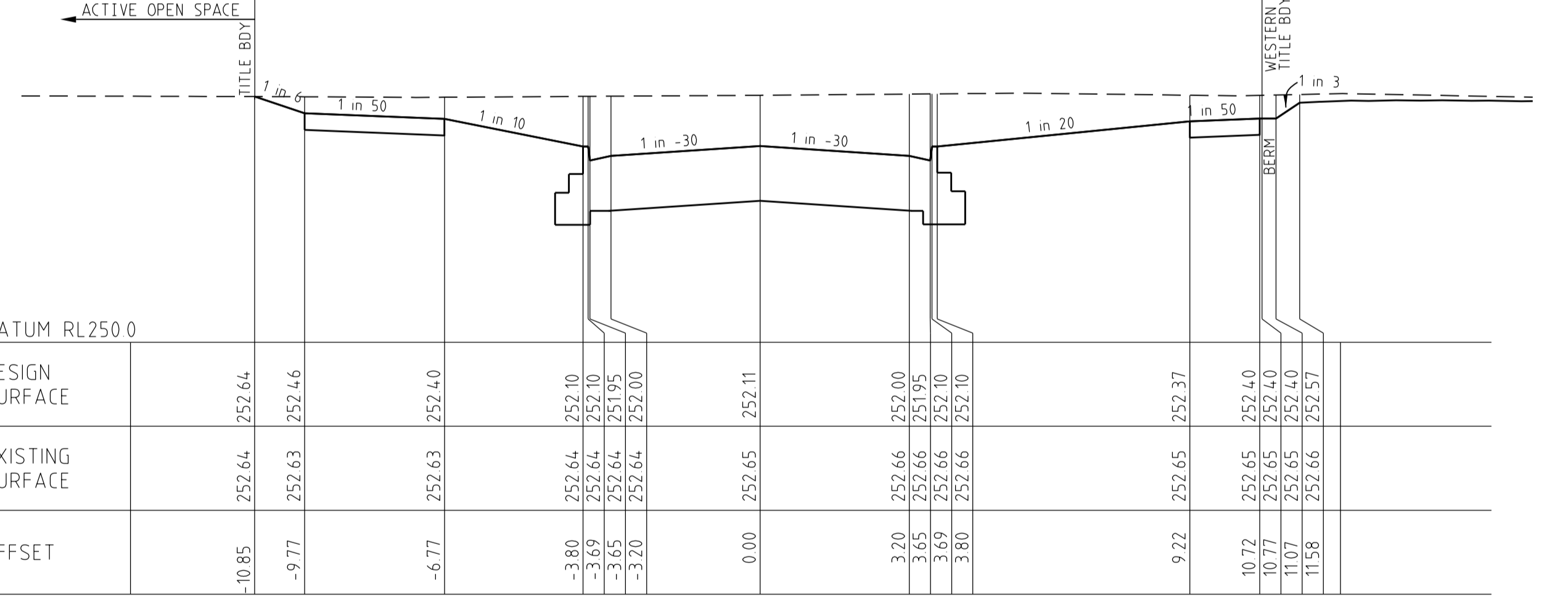
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MELWAY REF. 366-E-6		SURVEY BPD		MUNICIPALITY HUME	
DESIGN SBS		DRAWN SBS		REFERENCE 8711 E/8	
DATE 1/9/17		REMARKS ISSUED FOR CONSTRUCTION		DATE MAR '17	
CHECKED		SCALE AS SHOWN		DATUM AHD	
AMENDMENTS		DATE		REMARKS	
VER		DATE		REMARKS	



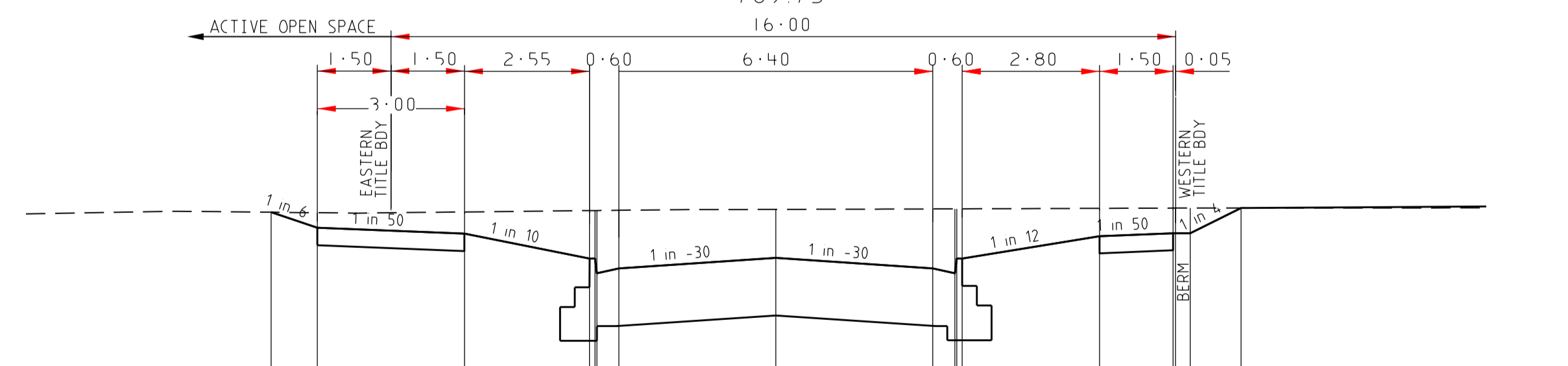
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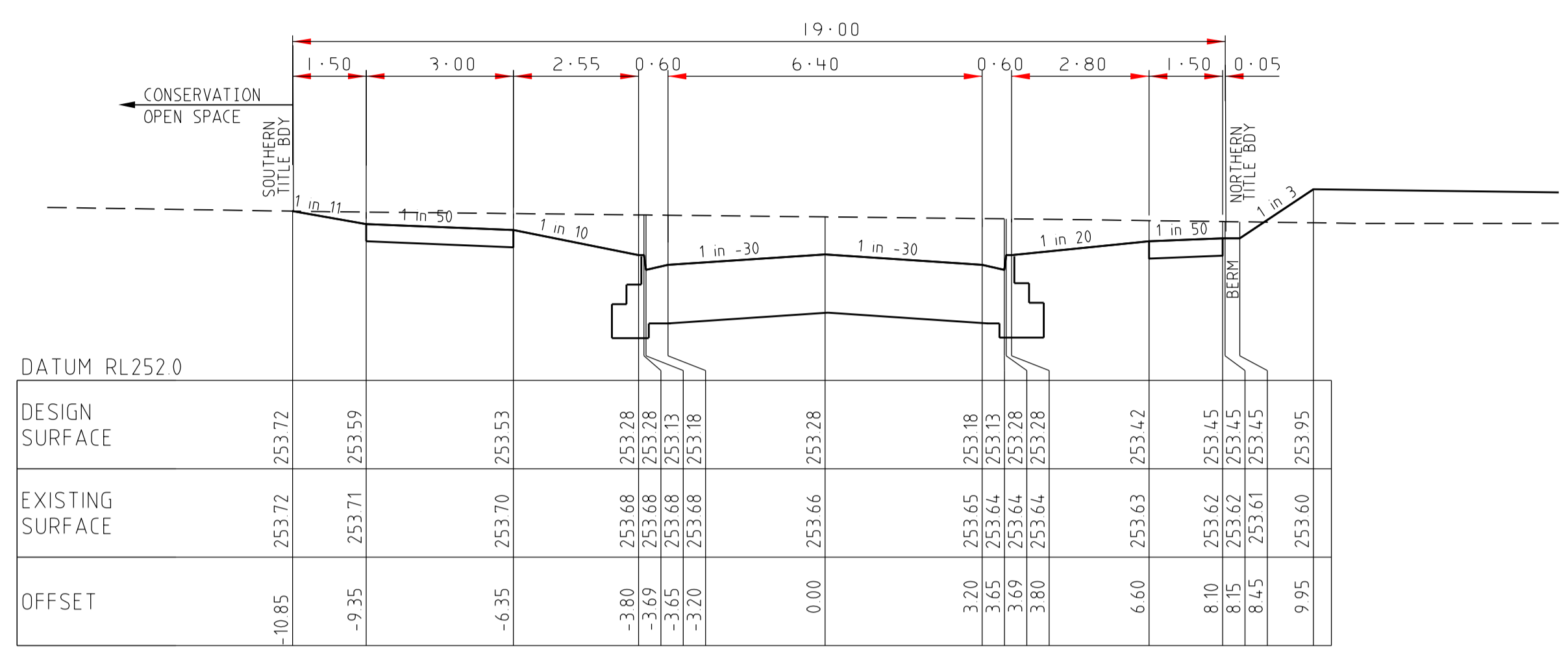
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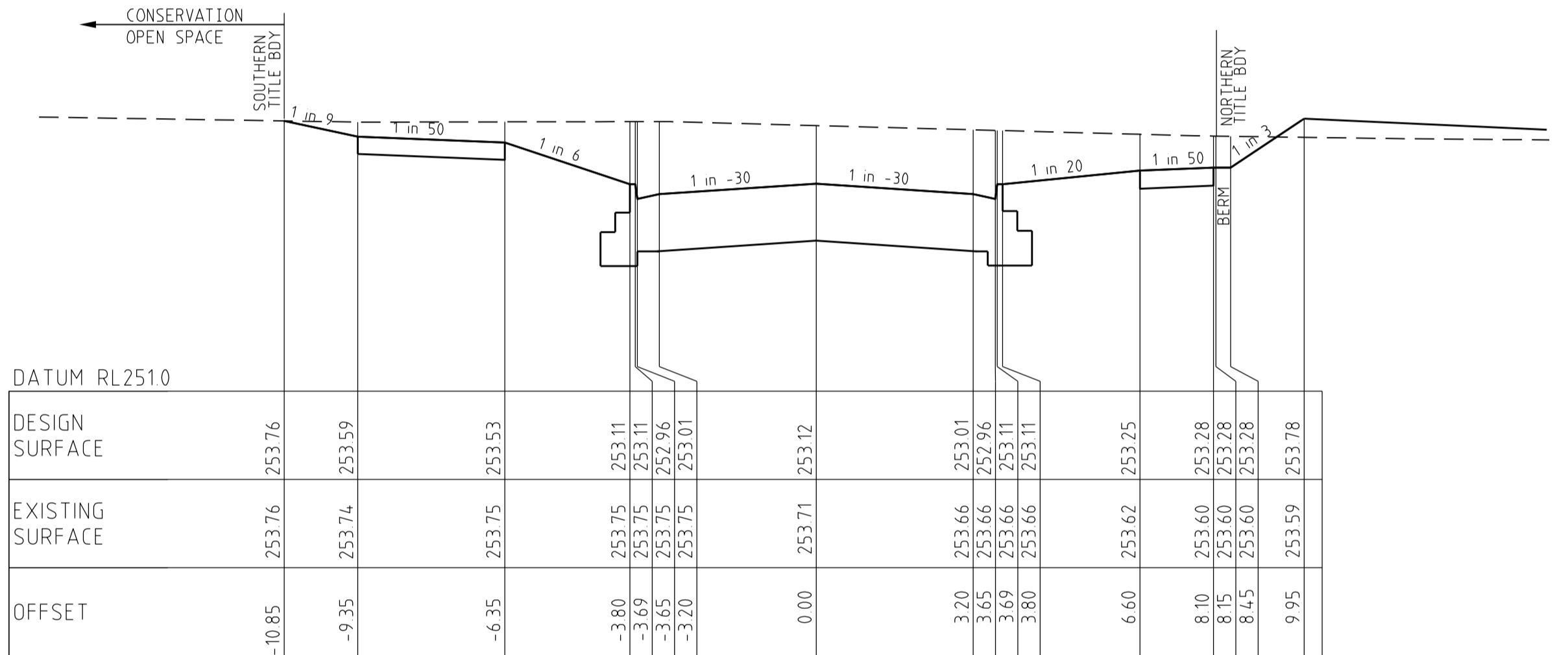
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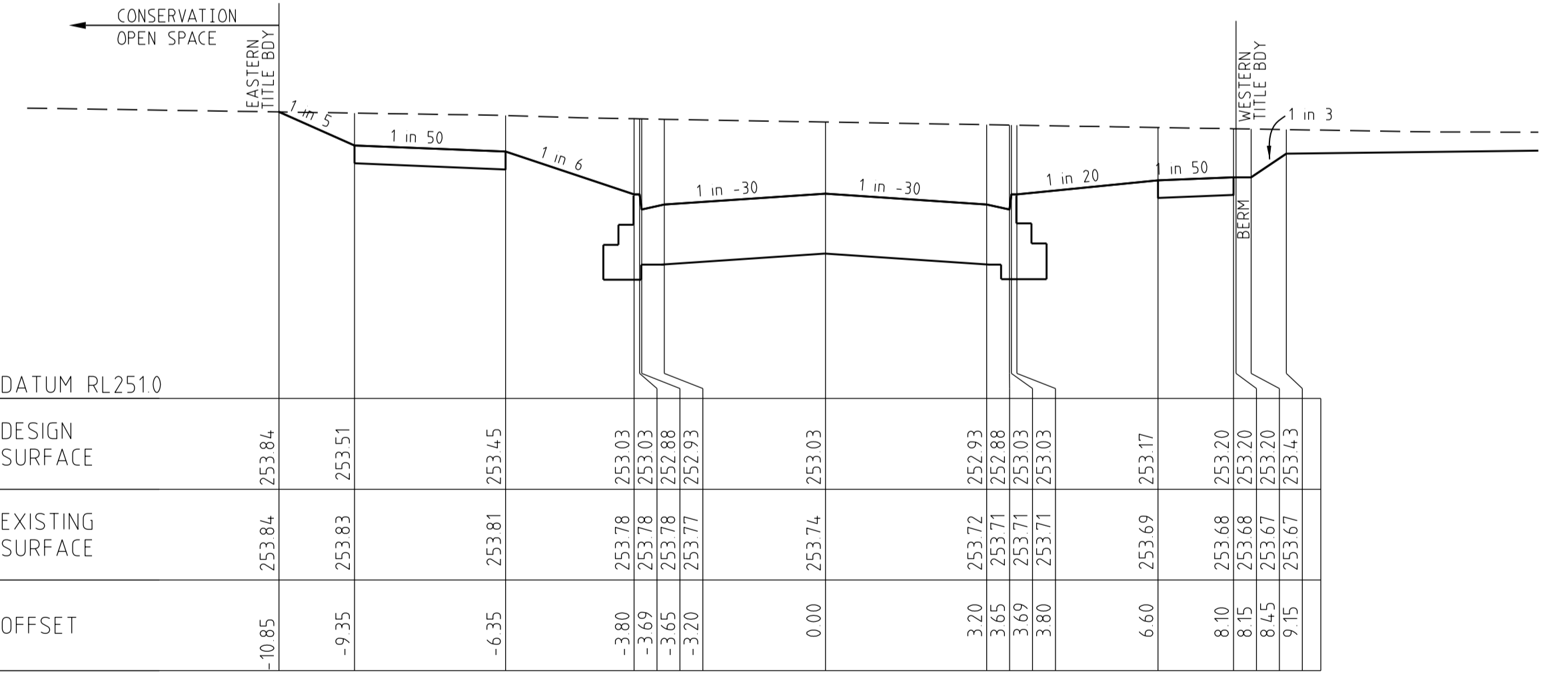
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1014.70



981.35



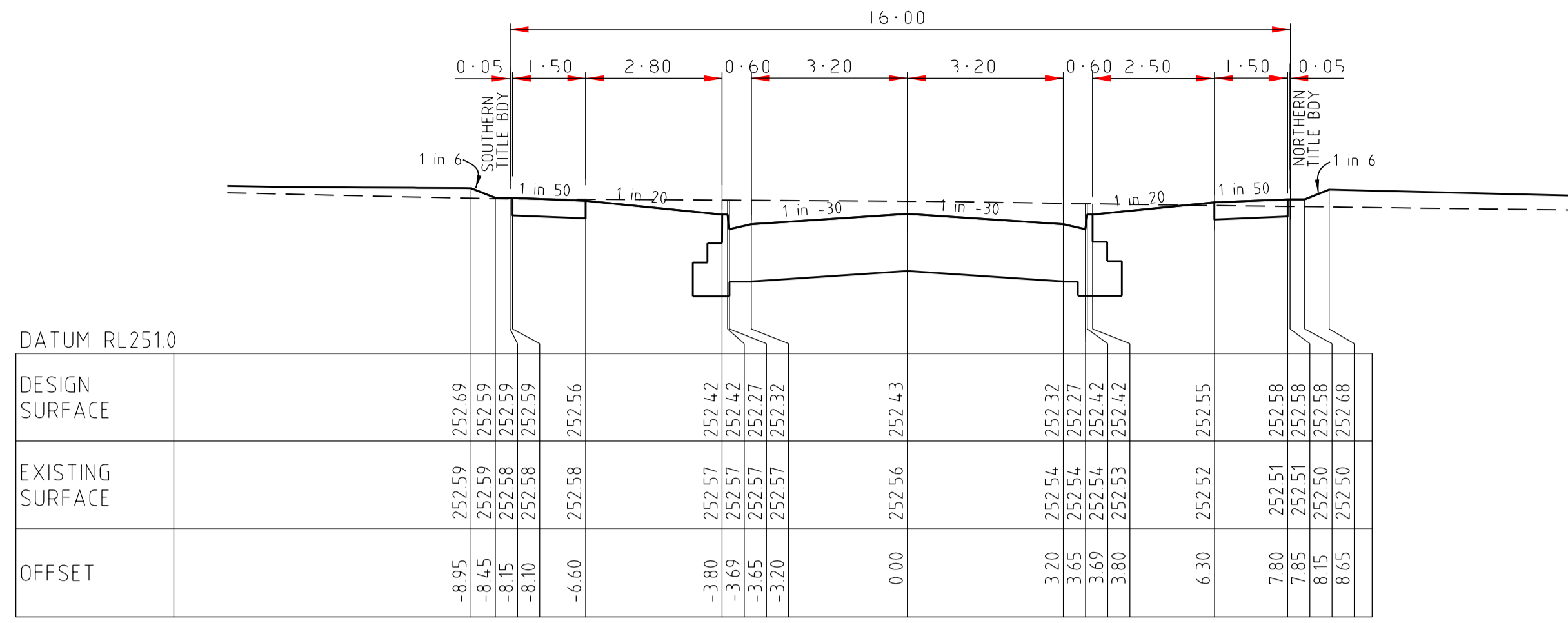
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AS CONSTRUCTED

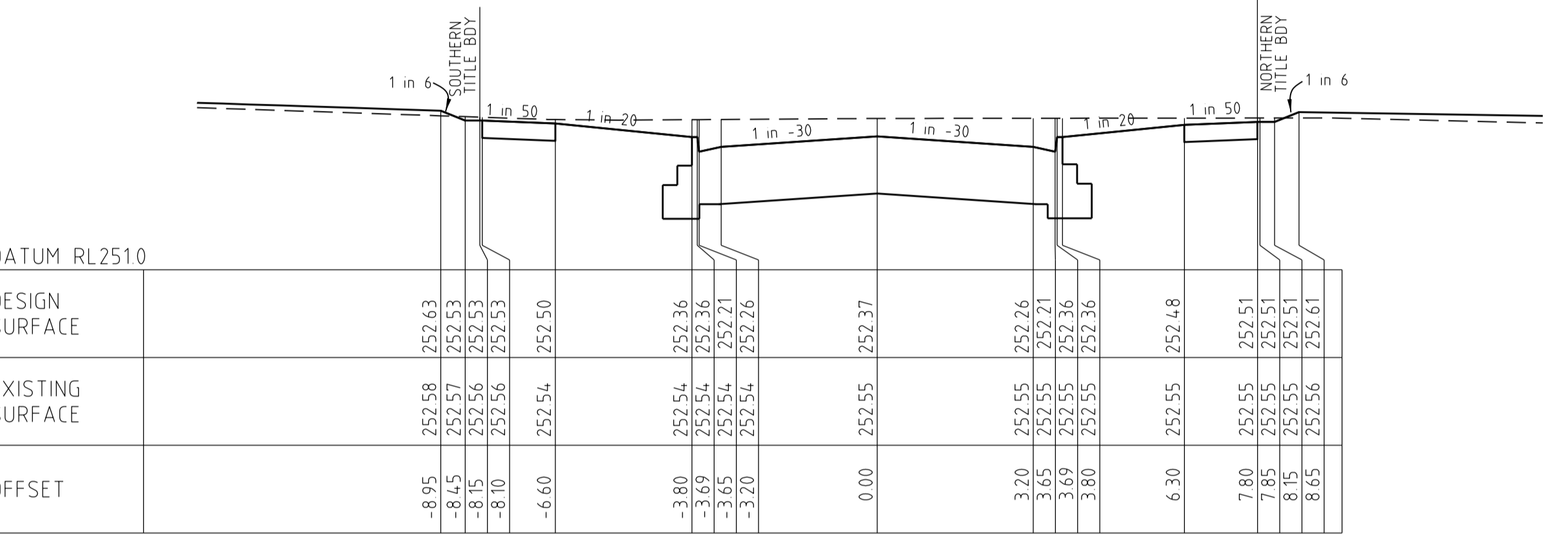
REALM VISTA
CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50

AMENDMENTS		MELWAY REF. 366-E-6		breese pitt dixon Pty. Ltd. land surveyors		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
A 1/9/17 ISSUED FOR CONSTRUCTION		SURVEY BPD		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME	
VER DATE REMARKS		DESIGN SBS		DRAWN SBS		REFERENCE 8711 E/8	
CHECKED		SCALE AS SHOWN		DATUM AHD		DATE MAR '17	
		SHEET 6 OF 13				A	

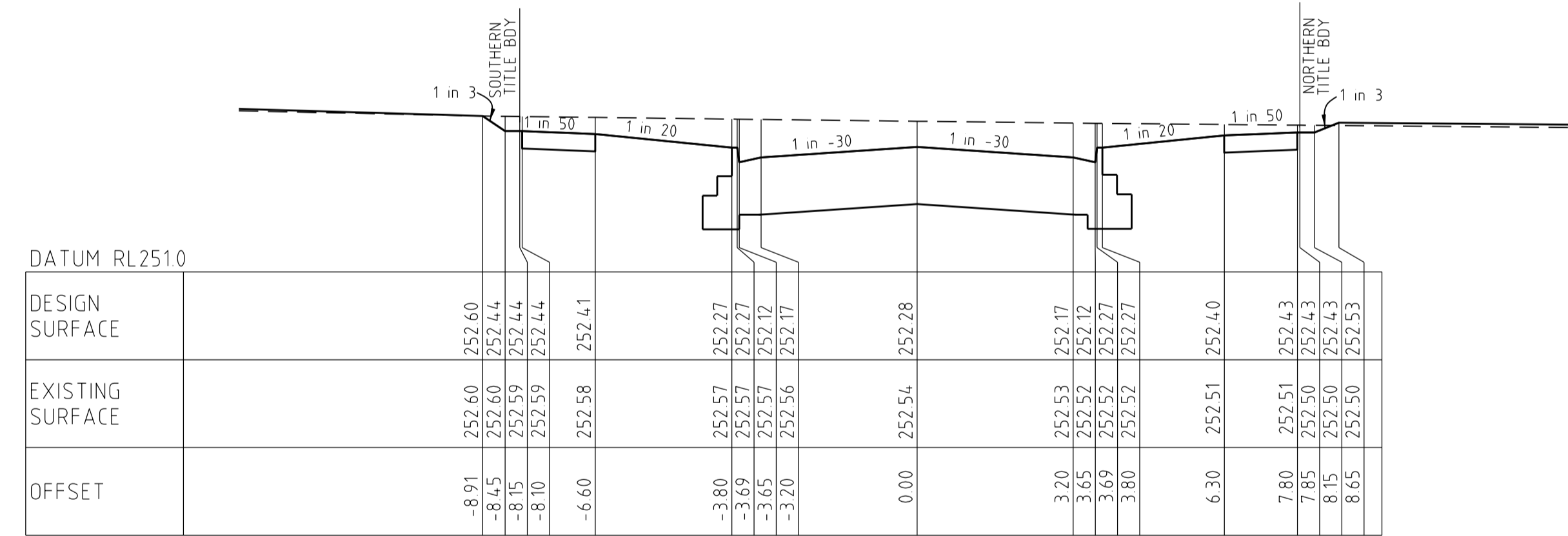
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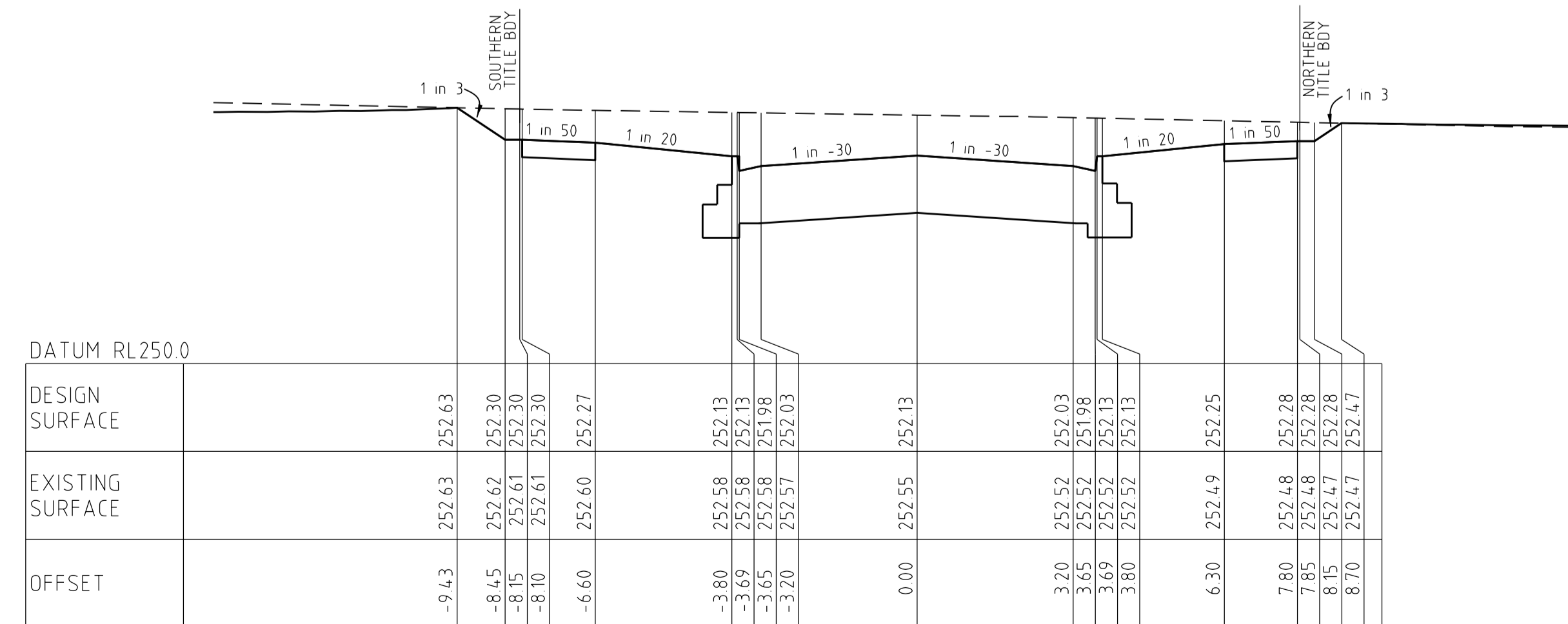
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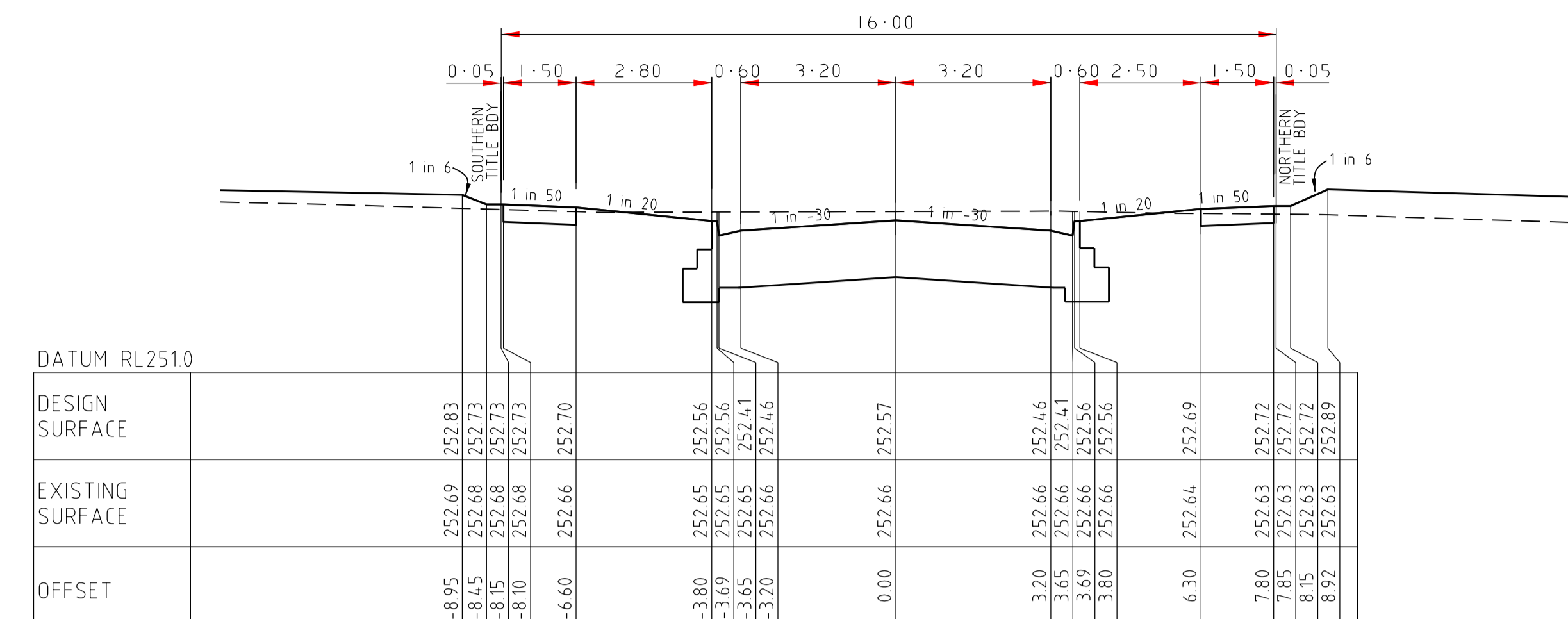
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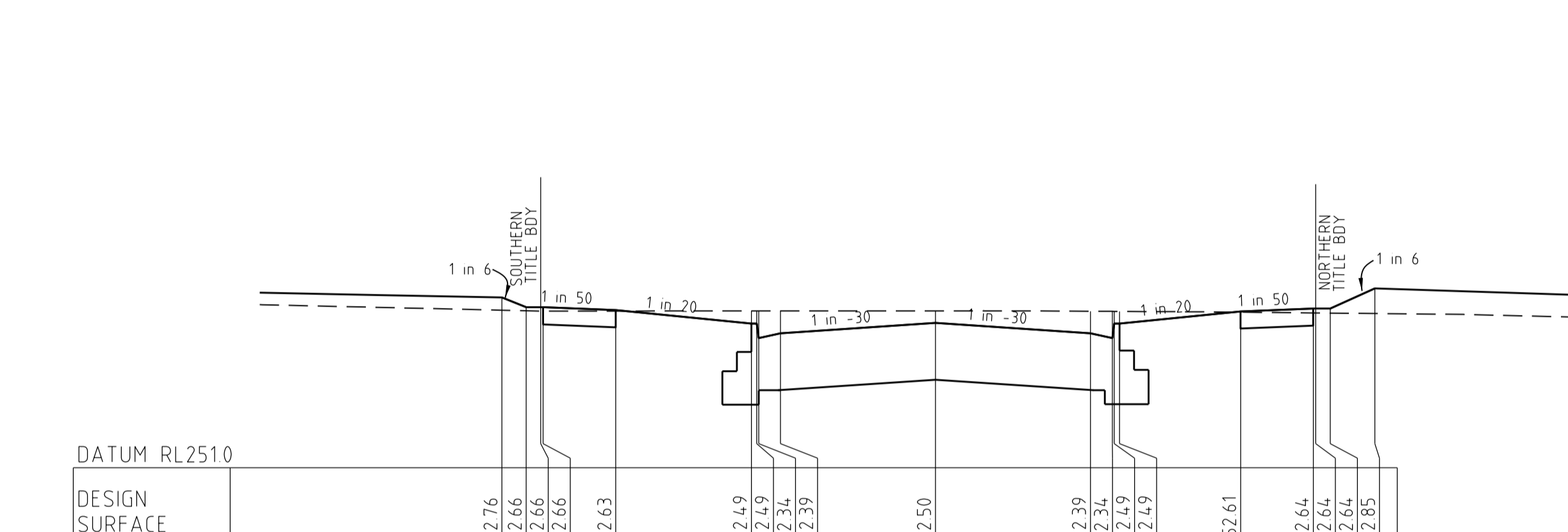
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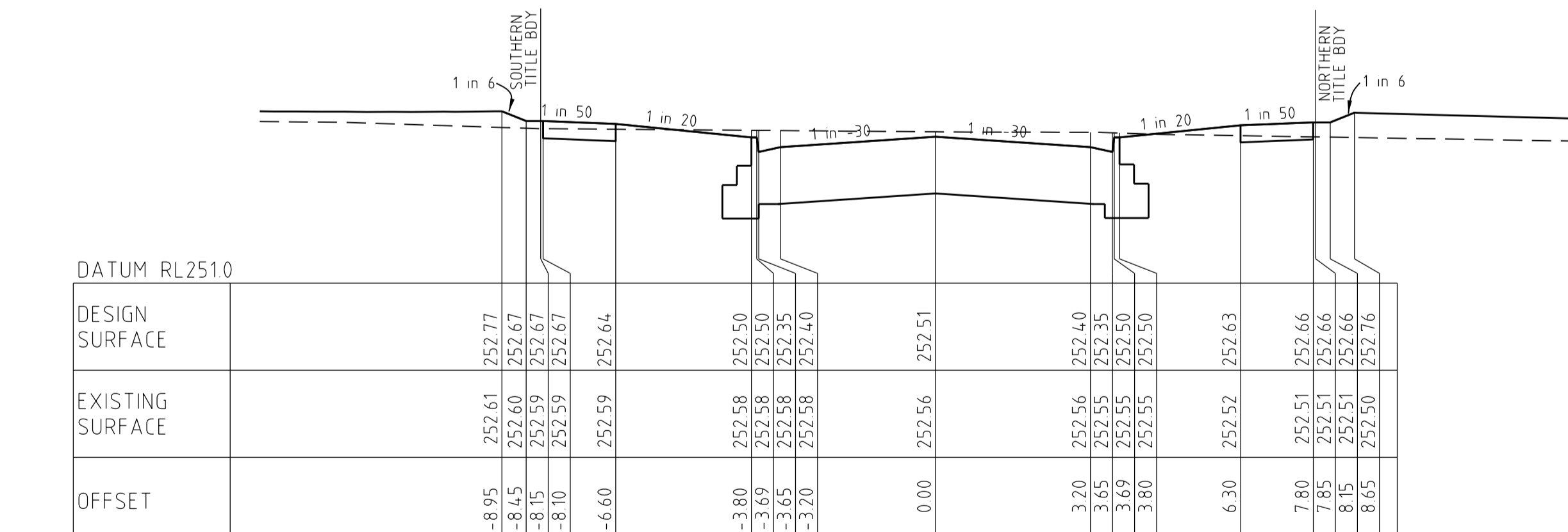
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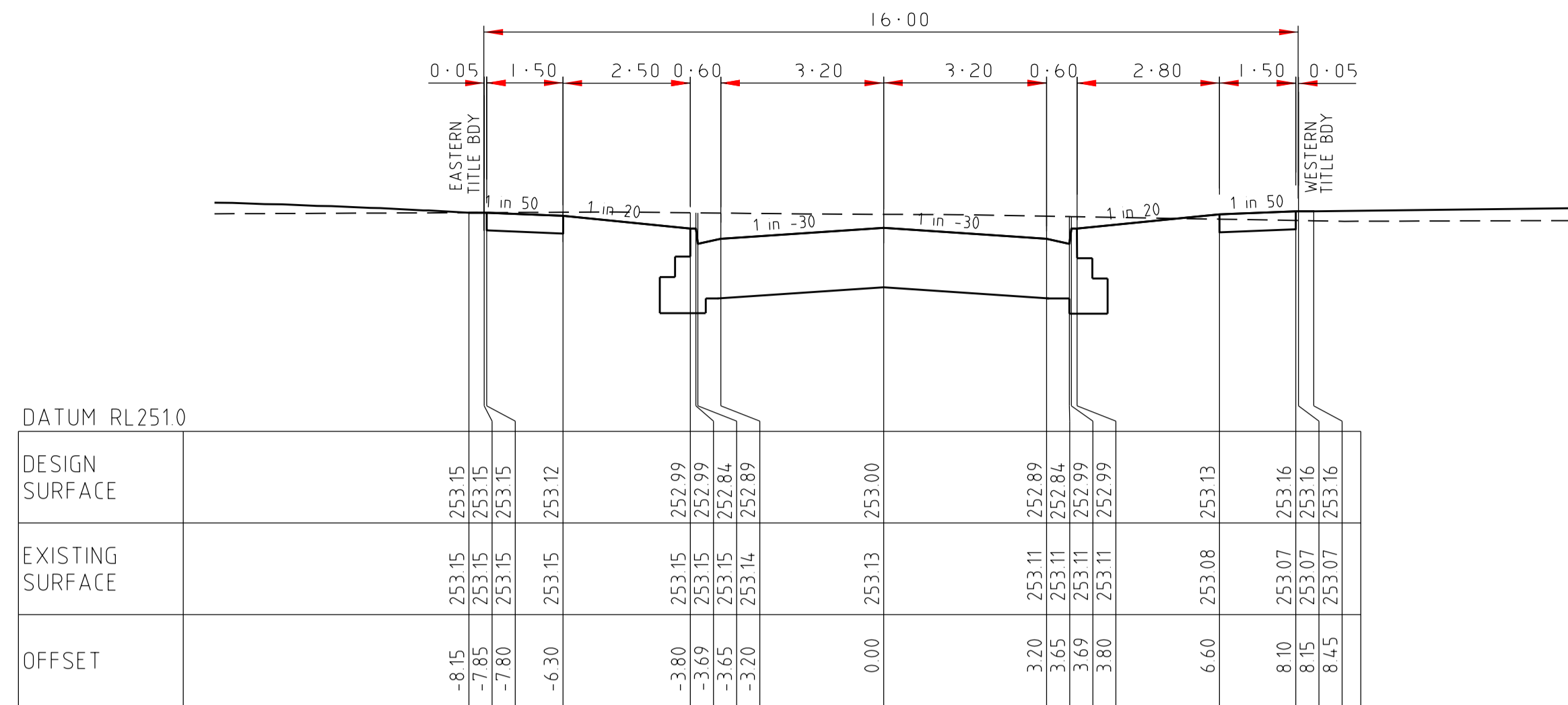


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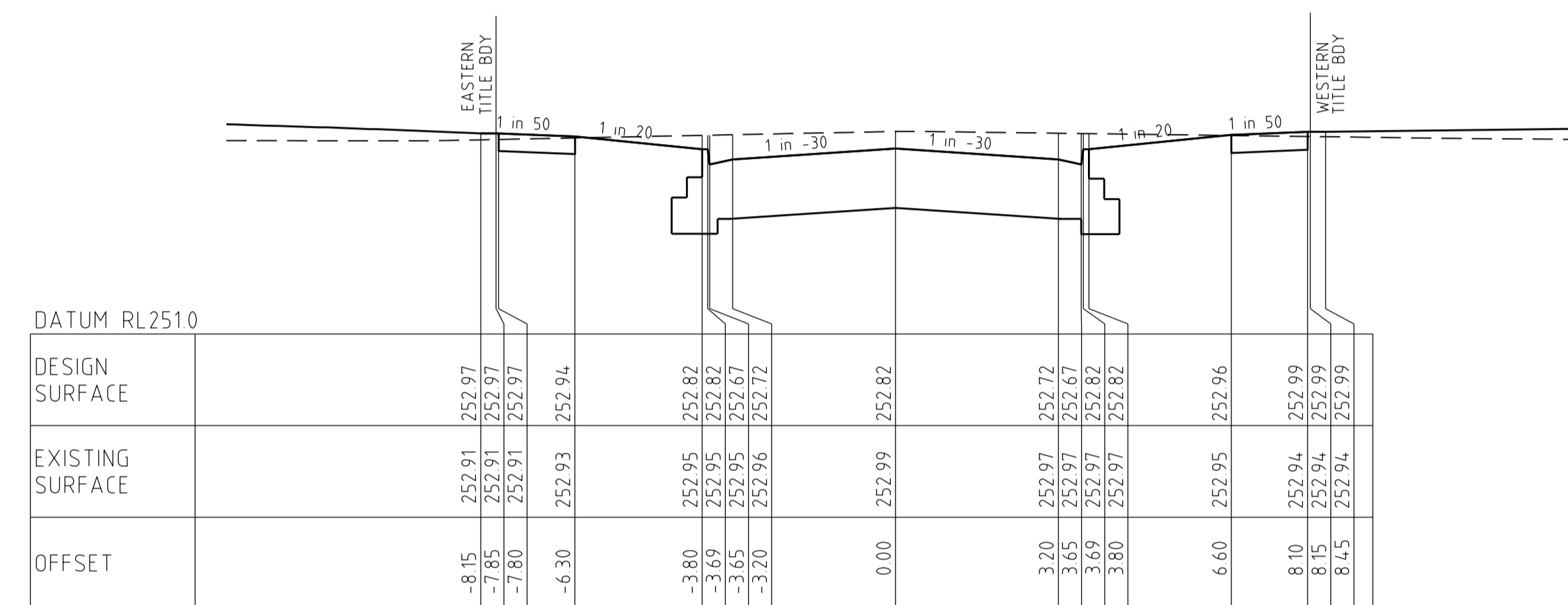
AS CONSTRUCTED

AMBERFIELD STREET
CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50

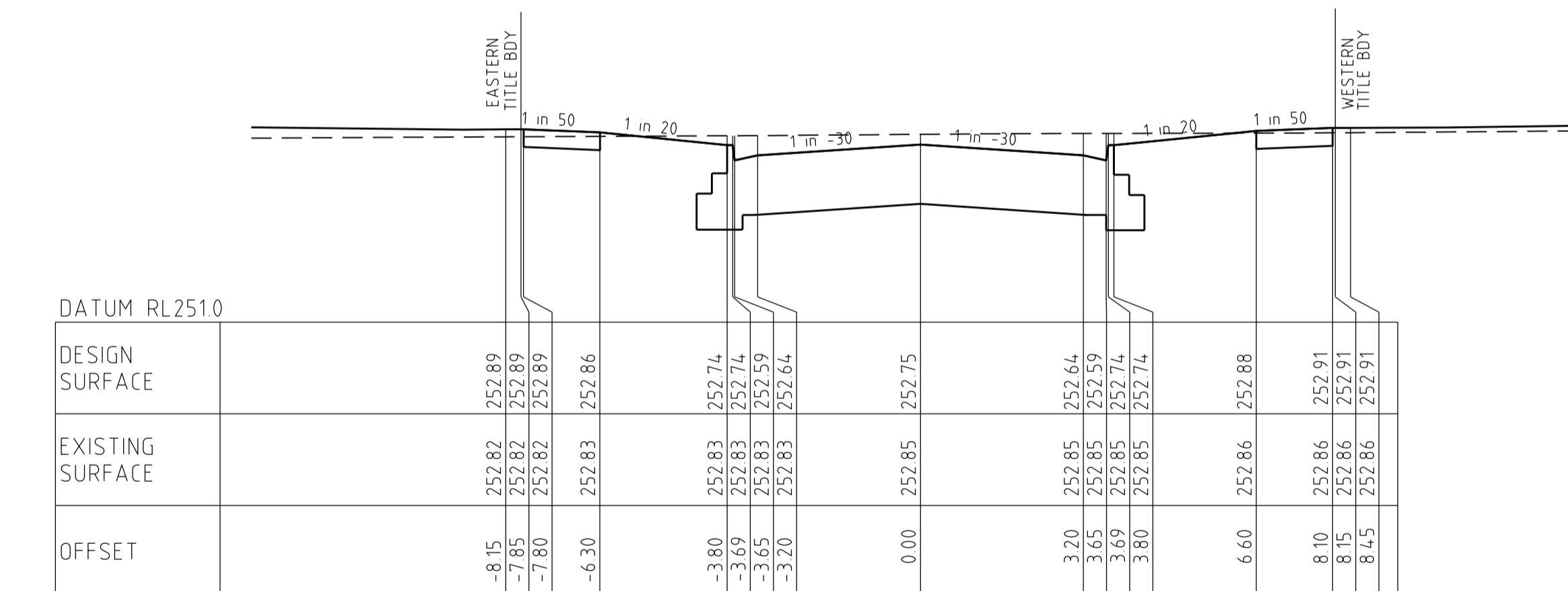
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A 1/9/17 ISSUED FOR CONSTRUCTION		MELWAY REF. 366-E-6		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME REFERENCE 8711 E/8	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE MAR '17	SHEET 7 OF 13



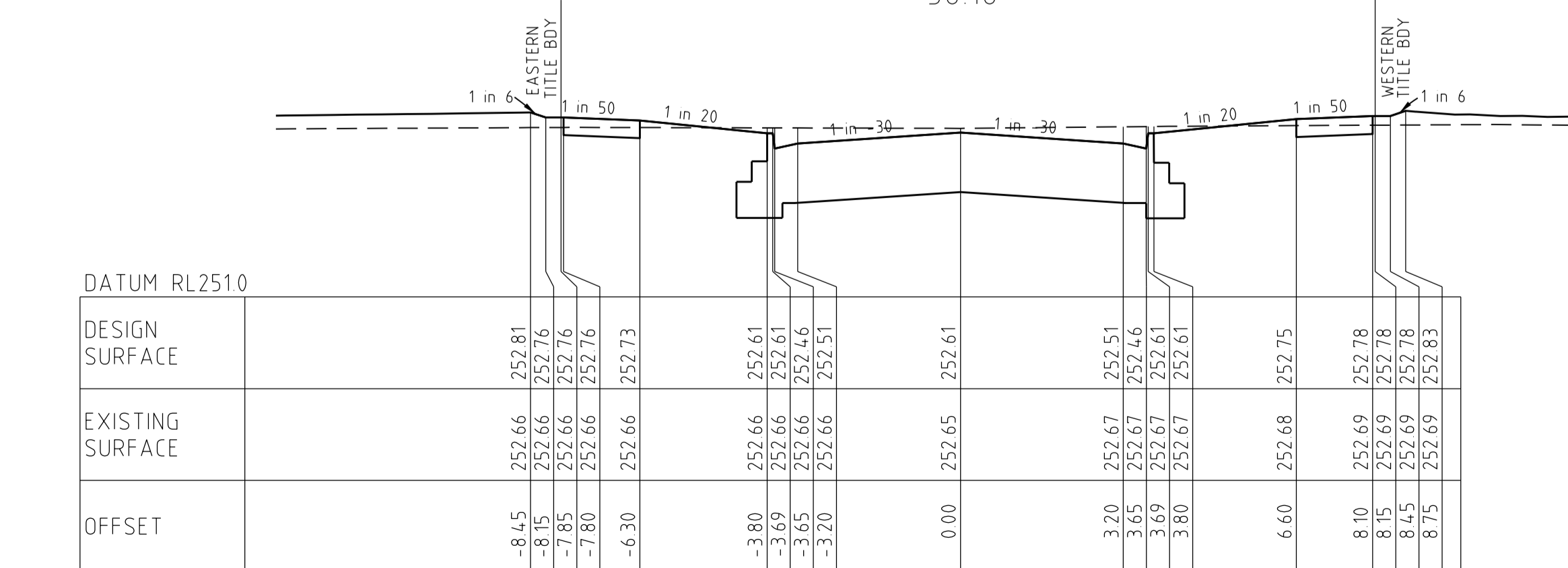
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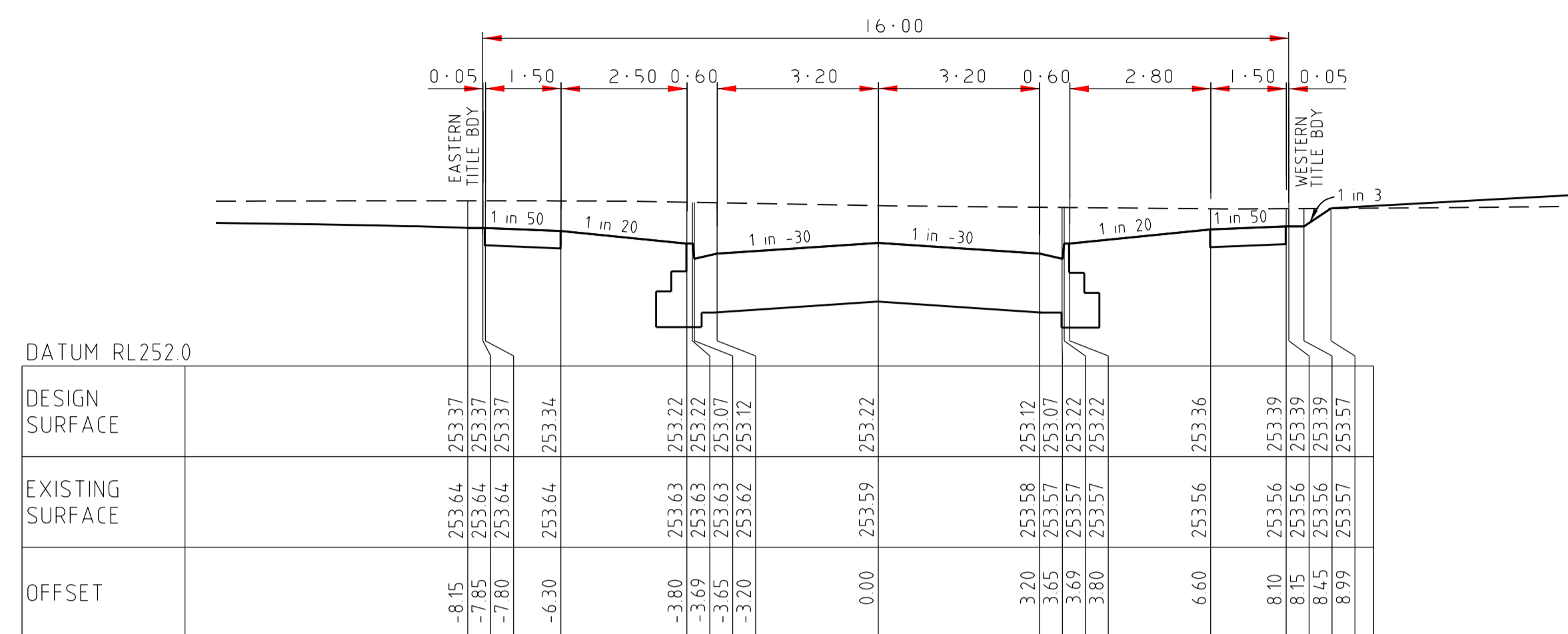
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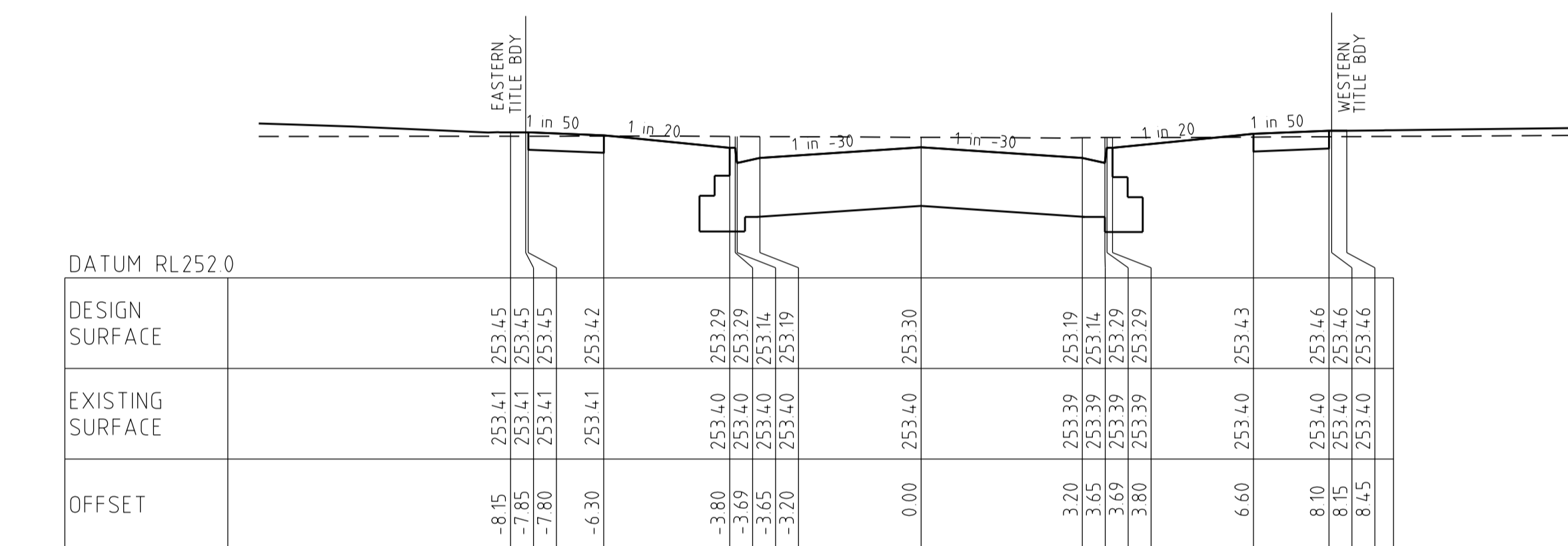
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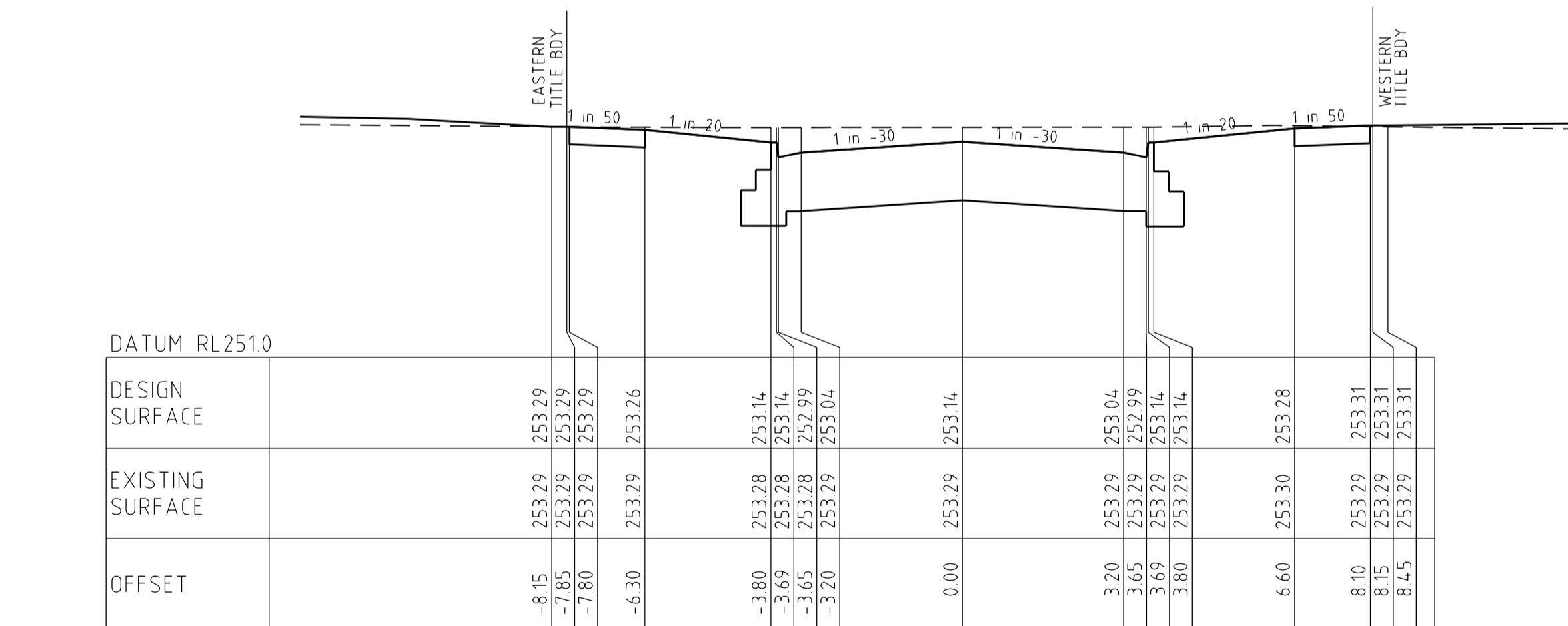
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164.03



136.90

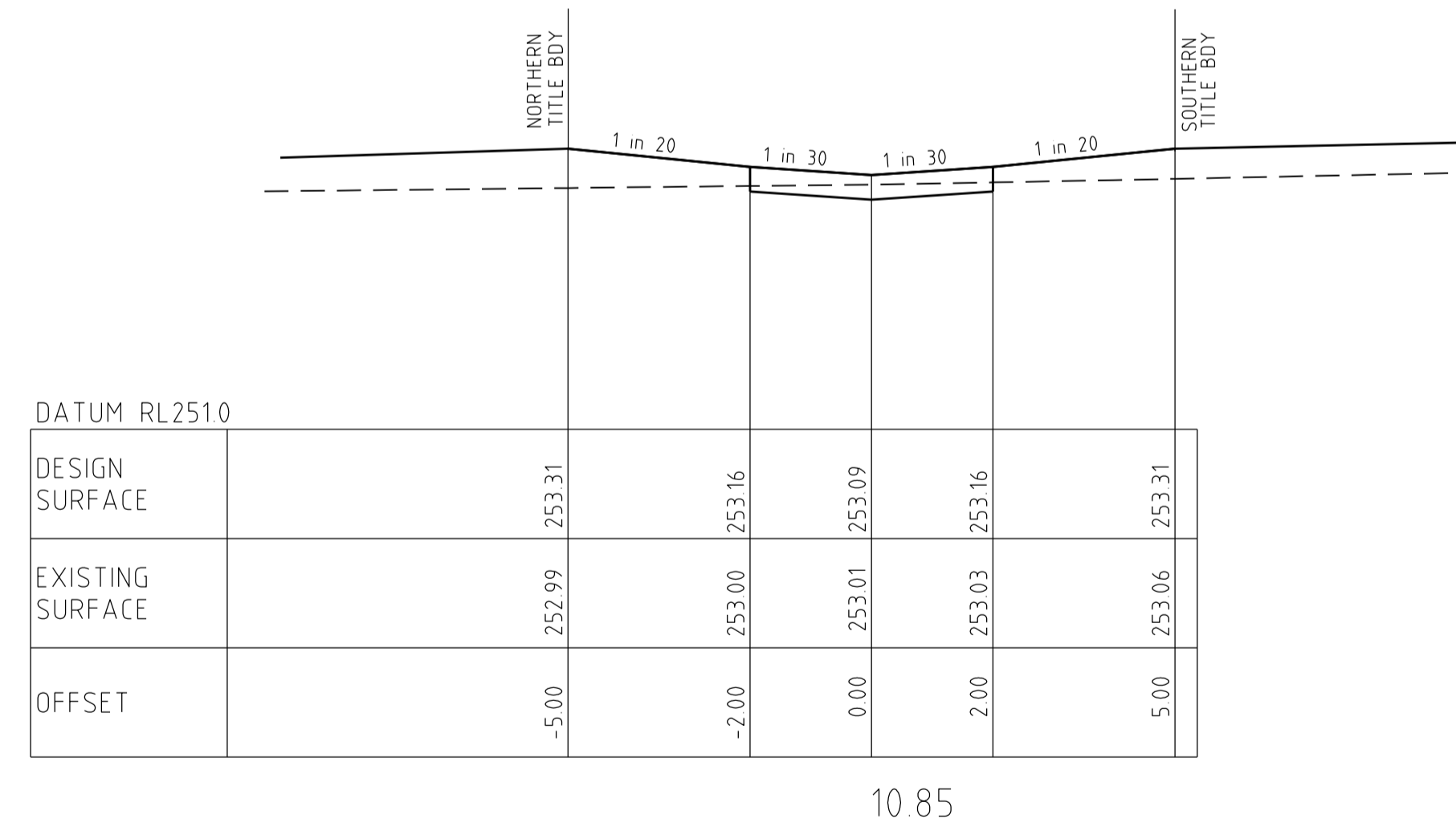
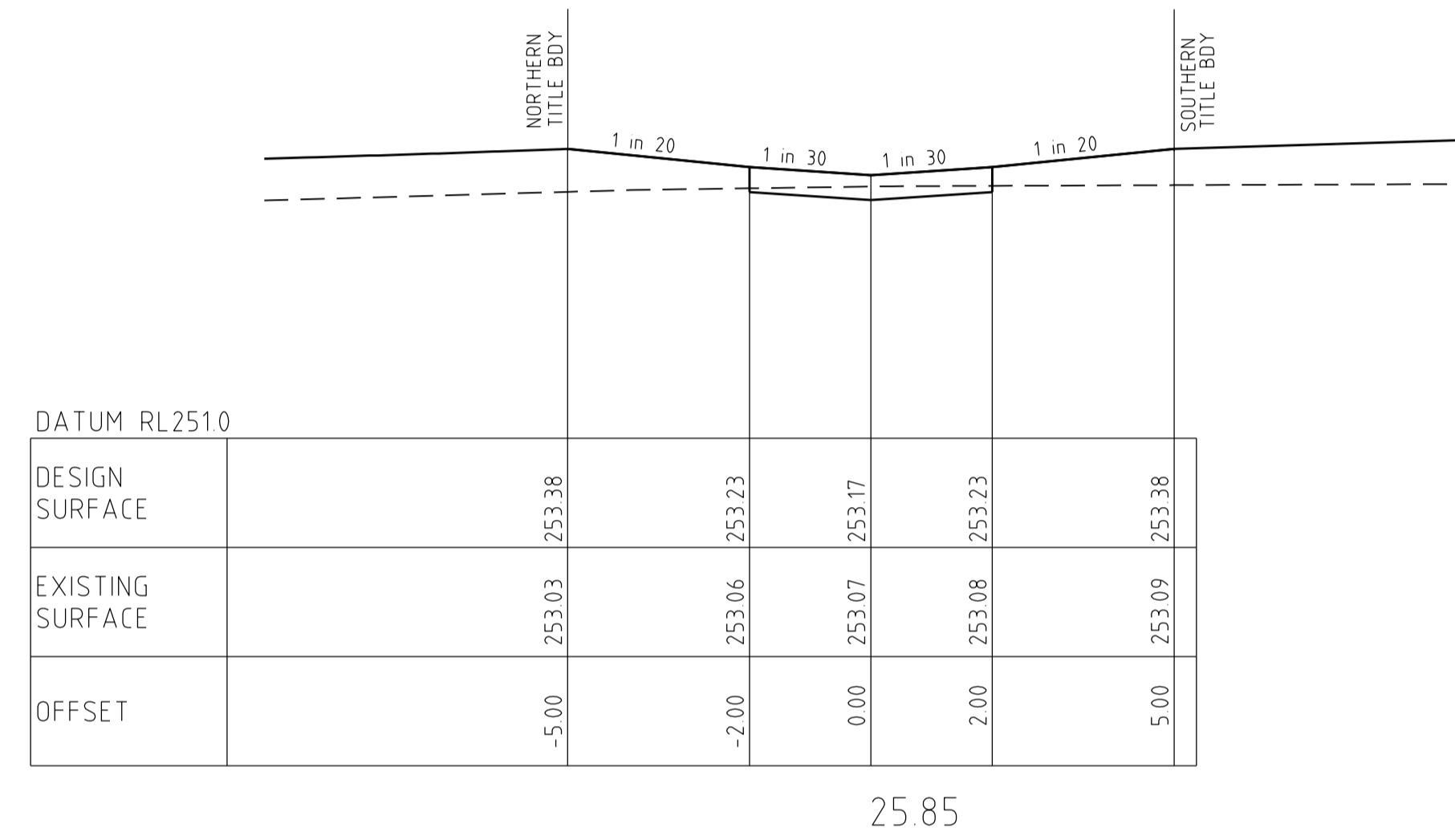
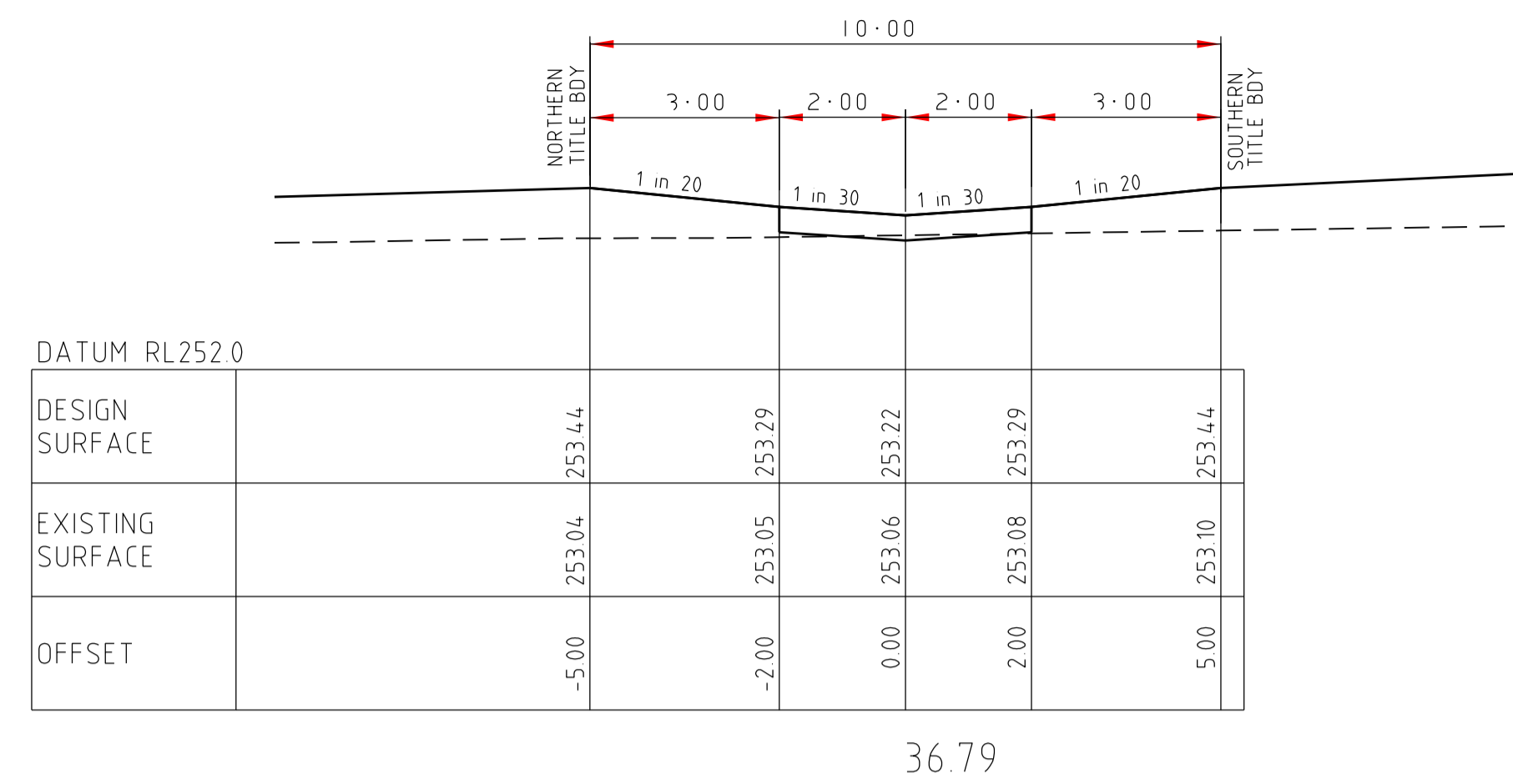


108.66

AS CONSTRUCTED

GELLIBRAND DRIVE
 CROSS SECTIONS
 SCALE HORIZONTAL 1:100
 VERTICAL 1:50

AMENDMENTS				breese pitt dixon pty. ltd. land surveyors		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
A 1/9/17 ISSUED FOR CONSTRUCTION		MELWAY REF. 366-E-6		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME	
VER DATE REMARKS		SURVEY BPD DESIGN SBS DRAWN SBS		REFERENCE 8711 E/8		SHEET 8 OF 13	
		CHECKED		SCALE AS SHOWN DATUM AHD		DATE MAR '17	

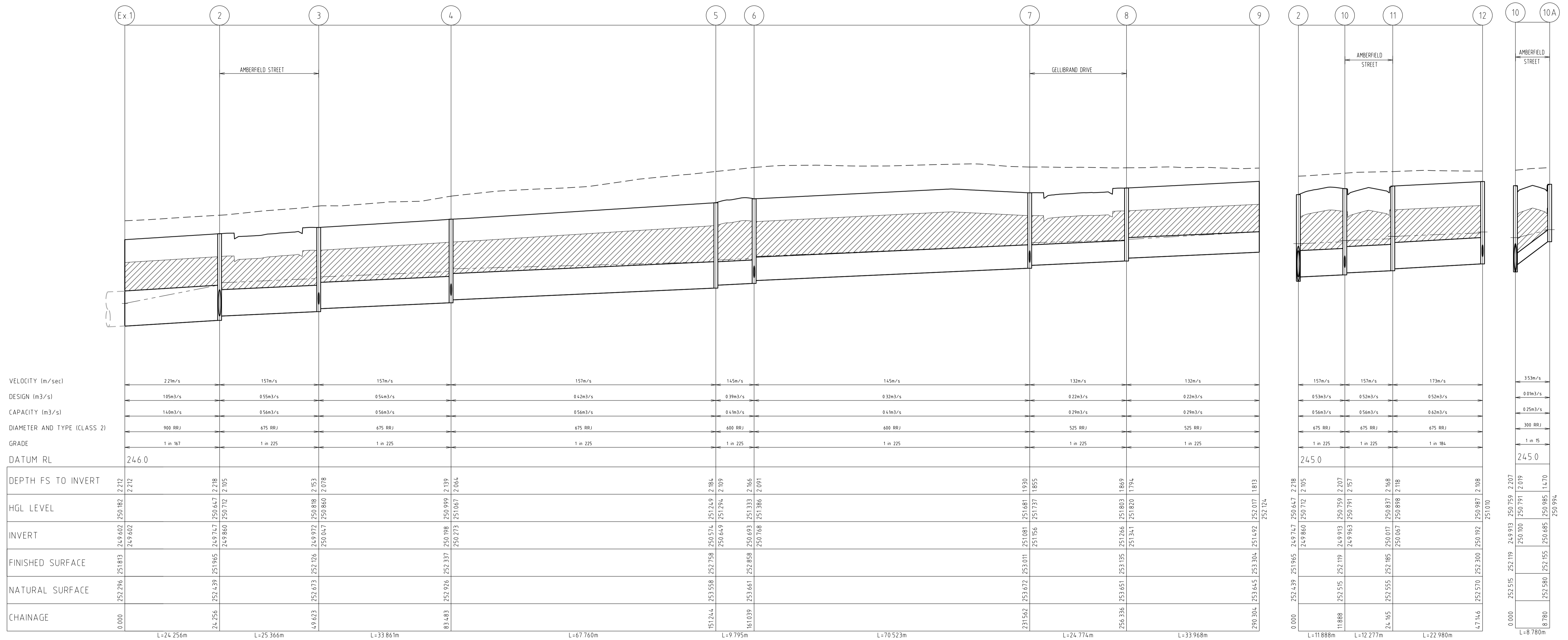


LONG DRIVEWAY (LOT 837)

AS CONSTRUCTED

CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50

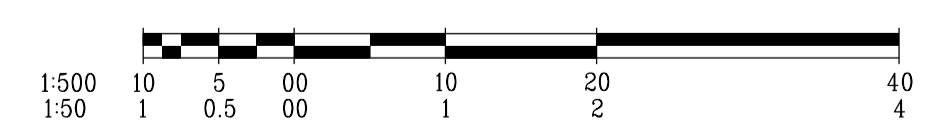
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		MELWAY REF. 366-E-6		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME	
		SURVEY BPD		DRAWN SBS		REFERENCE 8711 E/8	
		DESIGN SBS		CHECKED		DATE MAR '17	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE MAR '17	SHEET 9 OF 13



INDICATES CRUSHED ROCK BACKFILL

INDICATES 5YR HGL

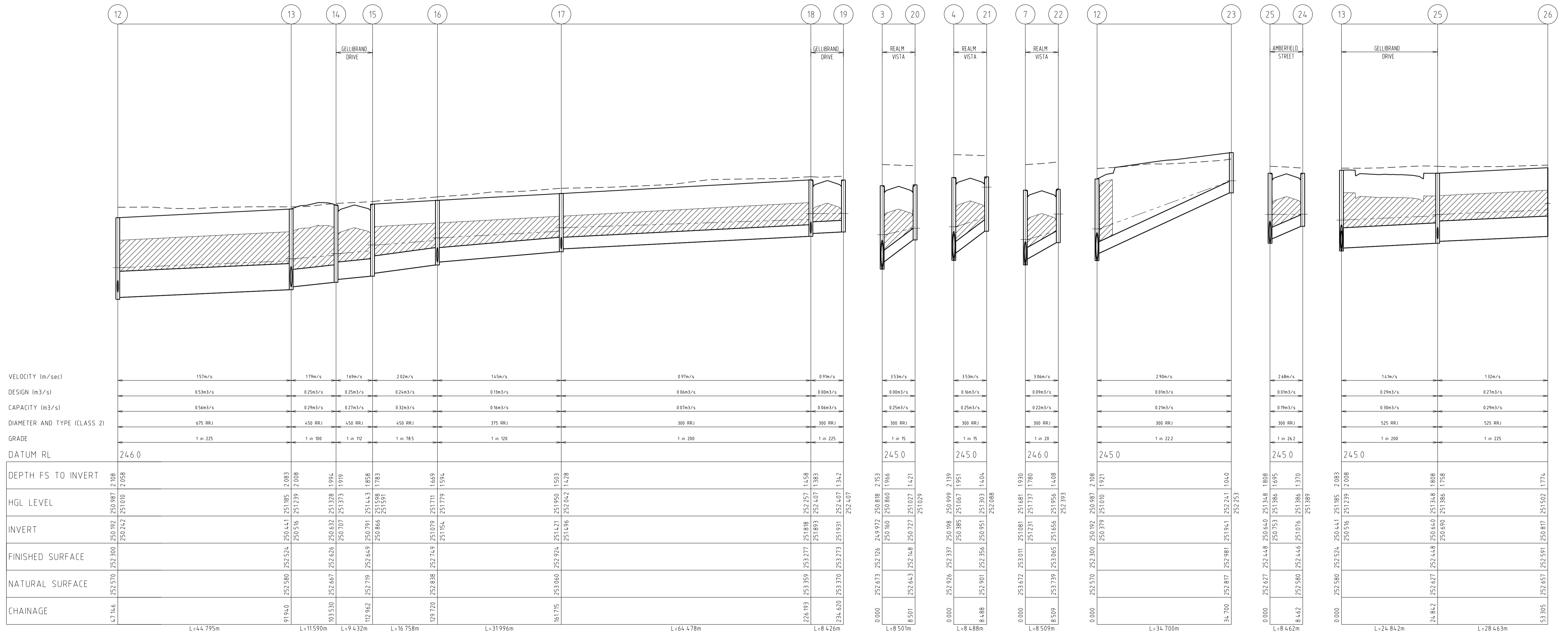
NOTE:
ALL DRAINS LAID UNDER BACK OF KERB AND FOOTPATH TO
TO BE CLASS 3 AND UNDER ROAD PAVEMENT TO BE MINIMUM
CLASS 2 F.C.R.



DRAINAGE LONGITUDINAL SECTIONS
SCALE HORIZONTAL 1:500
VERTICAL 1:50

AS CONSTRUCTED

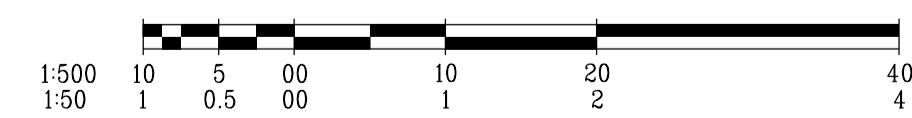
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MELWAY REF. 366-E-6		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME	
SURVEY BPD		DESIGN SBS		REFERENCE 8711 E/8	
DRAWN SBS		CHECKED		SCALE AS SHOWN DATUM AHD DATE MAR '17 SHEET 10 OF 13	
AMENDMENTS	VER DATE	REMARKS	A 1/9/17 ISSUED FOR CONSTRUCTION	PROJECT/REVISED	



INDICATES CRUSHED ROCK BACKFILL

INDICATES 5YR HGL

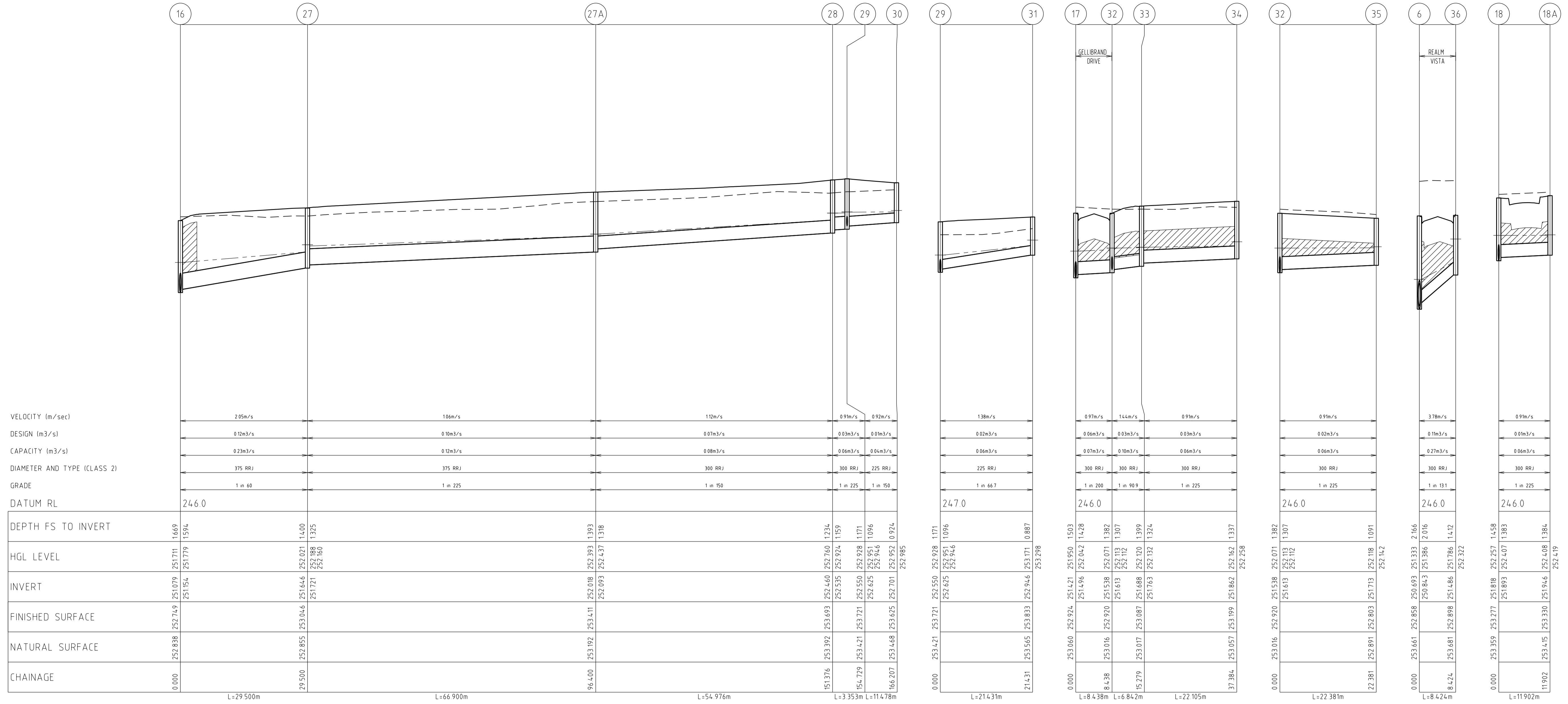
NOTE:
ALL DRAINS LAID UNDER BACK OF KERB AND FOOTPATH TO
TO BE CLASS 3 AND UNDER ROAD PAVEMENT TO BE MINIMUM
CLASS 2 F.C.R.



DRAINAGE LONGITUDINAL SECTIONS
SCALE HORIZONTAL 1:500
VERTICAL 1:50

AS CONSTRUCTED

		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 366-E-6 SURVEY BPD DESIGN SBS DRAWN SBS		WARATAH ESTATE STAGE 8		MUNICIPALITY HUME REFERENCE 8711 E/8	
AMENDMENTS A 1/9/17 ISSUED FOR CONSTRUCTION	VER DATE REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE MAR '17
SHEET 11 OF 13		PROJECT 19/08/2017			

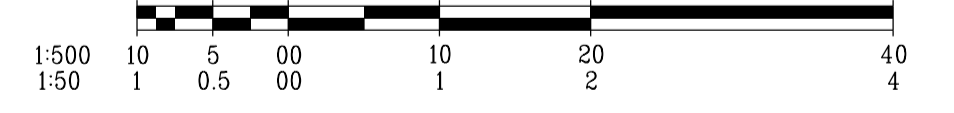


PIT No.	TYPE	PIT SCHEDULE				SD DRAWINGS	REMARKS
		INTERNAL WD	INTERNAL LEN	INLET DIA	OUTLET DIA		
Ex 1	ENDPIPE	900	249.602				CONNECT TO EXISTING ENDPIPE
2	GRATED ENTRY PIT(HB2)	1200	900	675	249.860	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
3	GRATED ENTRY PIT(HB2)	900	900	675	250.047	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
4	GRATED ENTRY PIT(HB2)	900	900	675	250.273	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
5	JUNCTION PIT	900	900	600	250.649	MPA EDCM STD DWG 605	HAUNCHED PIT COVER TO 600X900
6	GRATED ENTRY PIT(HB2)	900	900	600	250.768	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
7	GRATED ENTRY PIT(HB2)	900	900	525	251.156	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
8	GRATED ENTRY PIT(HB2)	900	900	525	251.341	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
9	ENDPIPE			525	251.492		TEMPORARY SANDBAG ENDWALL
10	JUNCTION PIT	900	900	675	249.963	MPA EDCM STD DWG 605	HAUNCHED PIT COVER TO 600X900
10A	GRATED ENTRY PIT(HB2)	600	900		300	MPA EDCM STD DWG 601	
11	GRATED ENTRY PIT(HB2)	900	900	675	250.067	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
12	JUNCTION PIT	900	900	675	250.242	MPA EDCM STD DWG 605	HAUNCHED PIT COVER TO 600X900
13	GRATED ENTRY PIT(HB2)	900	900	450	250.516	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
14	GRATED ENTRY PIT(HB2)	600	900	450	250.707	MPA EDCM STD DWG 601	
15	GRATED ENTRY PIT(HB2)	600	900	450	250.866	MPA EDCM STD DWG 601	
16	JUNCTION PIT	600	900	375	251.154	MPA EDCM STD DWG 605	
17	GRATED ENTRY PIT(HB2)	600	900	300	251.496	MPA EDCM STD DWG 601	
18	GRATED ENTRY PIT(HB2)	600	900	300	251.893	MPA EDCM STD DWG 601	
18A	JUNCTION PIT	600	900	300	251.946	MPA EDCM STD DWG 605	
19	GRATED ENTRY PIT(HB2)	600	900	300	251.931	MPA EDCM STD DWG 601	
20	GRATED ENTRY PIT(HB2)	600	900	300	250.727	MPA EDCM STD DWG 601	
21	GRATED ENTRY PIT(HB2)	600	900	300	250.951	MPA EDCM STD DWG 601	
22	GRATED ENTRY PIT(HB2)	600	900	300	251.656	MPA EDCM STD DWG 601	
23	JUNCTION PIT	600	900	300	251.941	MPA EDCM STD DWG 605	
24	GRATED ENTRY PIT(HB2)	600	900	300	251.076	MPA EDCM STD DWG 601	
25	GRATED ENTRY PIT(HB2)	900	900	300	250.753	MPA EDCM STD DWG 601	HAUNCHED PIT COVER TO 600X900
26	ENDPIPE			525	250.690		TEMPORARY SANDBAG ENDWALL
27	JUNCTION PIT	600	900	375	251.721	MPA EDCM STD DWG 605	
27A	JUNCTION PIT	600	900	300	252.093	MPA EDCM STD DWG 605	
28	JUNCTION PIT	600	900	300	252.535	MPA EDCM STD DWG 605	
29	JUNCTION PIT	600	900	225	252.625	MPA EDCM STD DWG 605	
30	JUNCTION PIT	600	900	225	252.701	MPA EDCM STD DWG 605	
31	JUNCTION PIT	600	900	225	252.946	MPA EDCM STD DWG 605	
32	GRATED ENTRY PIT(HB2)	600	900	300	251.613	MPA EDCM STD DWG 601	
33	GRATED PIT	600	900	300	251.763	MPA EDCM STD DWG 601	PROVIDE GRATED COVER
34	JUNCTION PIT	600	900	300	251.862	MPA EDCM STD DWG 605	PROVIDE HEAVY DUTY COVER
35	JUNCTION PIT	600	900	300	251.713	MPA EDCM STD DWG 605	PROVIDE HEAVY DUTY COVER
36	GRATED ENTRY PIT(HB2)	600	900	300	251.486	MPA EDCM STD DWG 601	

PIT SCHEDULE

INDICATES CRUSHED ROCK BACKFILL
 - - - - - INDICATES 5YR HGL

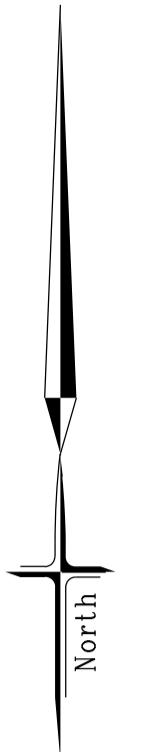
NOTE:
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 TO BE CLASS 3 AND UNDER ROAD PAVEMENT TO BE MINIMUM
 CLASS 2 F.C.R.



DRAINAGE LONGITUDINAL SECTIONS
 SCALE HORIZONTAL 1:500
 VERTICAL 1:50

AS CONSTRUCTED

AMENDMENTS				breese pitt dixon Pty. Ltd.		1/19 cato street	
				land surveyors		hawthorn east, 3123	
				civil engineers		telephone 8823 2300	
						fax no. 8823 2310	
			MELWAY REF. 366-E-6	WARATAH ESTATE		MUNICIPALITY	
			SURVEY BPD	STAGE 8		HUME	
			DESIGN SBS			REFERENCE	
			DRAWN SBS			8711 E/8	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE MAR '17	SHEET 12 OF 13



PARKING AND SIGNAGE & LINEMARKING PLAN
SCALE 1:500

AS CONSTRUCTED

SIGN SCHEDULE

- (A) "STREET NAME" SIGN
- (C) "NO ROAD" SIGN (HCC SD4-07)

NOTE:
 • STREET NAME SIGN TO MOUNT ON LIGHTING POLE WHERE POSSIBLE
 • STREET SIGNS TO HAVE MINIMUM 2 WEDGES IN THE POLE SLEEVES

				breese pitt dixon pty. ltd.		1/19 cato street hawthorn east, 3123	
				land surveyors		civil engineers	
		MELWAY REF.	366-E-6	WARATAH ESTATE STAGE 8		MUNICIPALITY	
		SURVEY	BPD			HUME	
		DESIGN	SBS			REFERENCE	
		DATE	1/9/17	ISSUED FOR CONSTRUCTION		DRAWN	
		DATE		REMARKS		DRAWN	
		CHECKED		SCALE AS SHOWN		DATUM AHD	
				DATE		MAR '17	
				SHEET		13 OF 13	