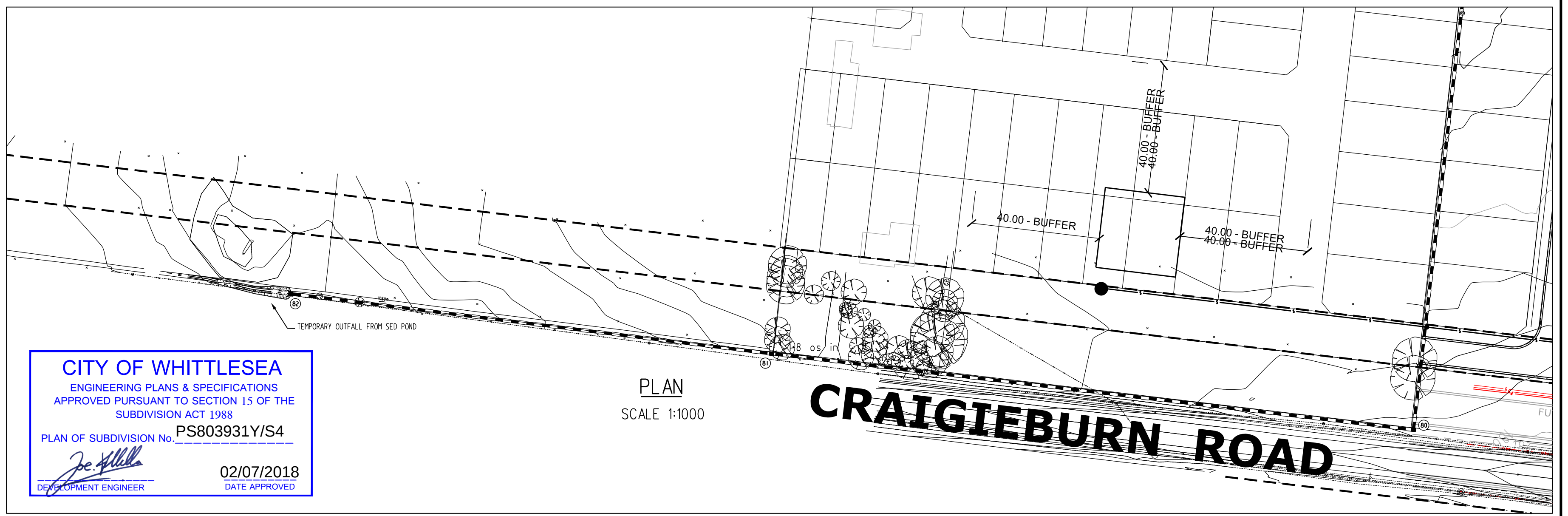
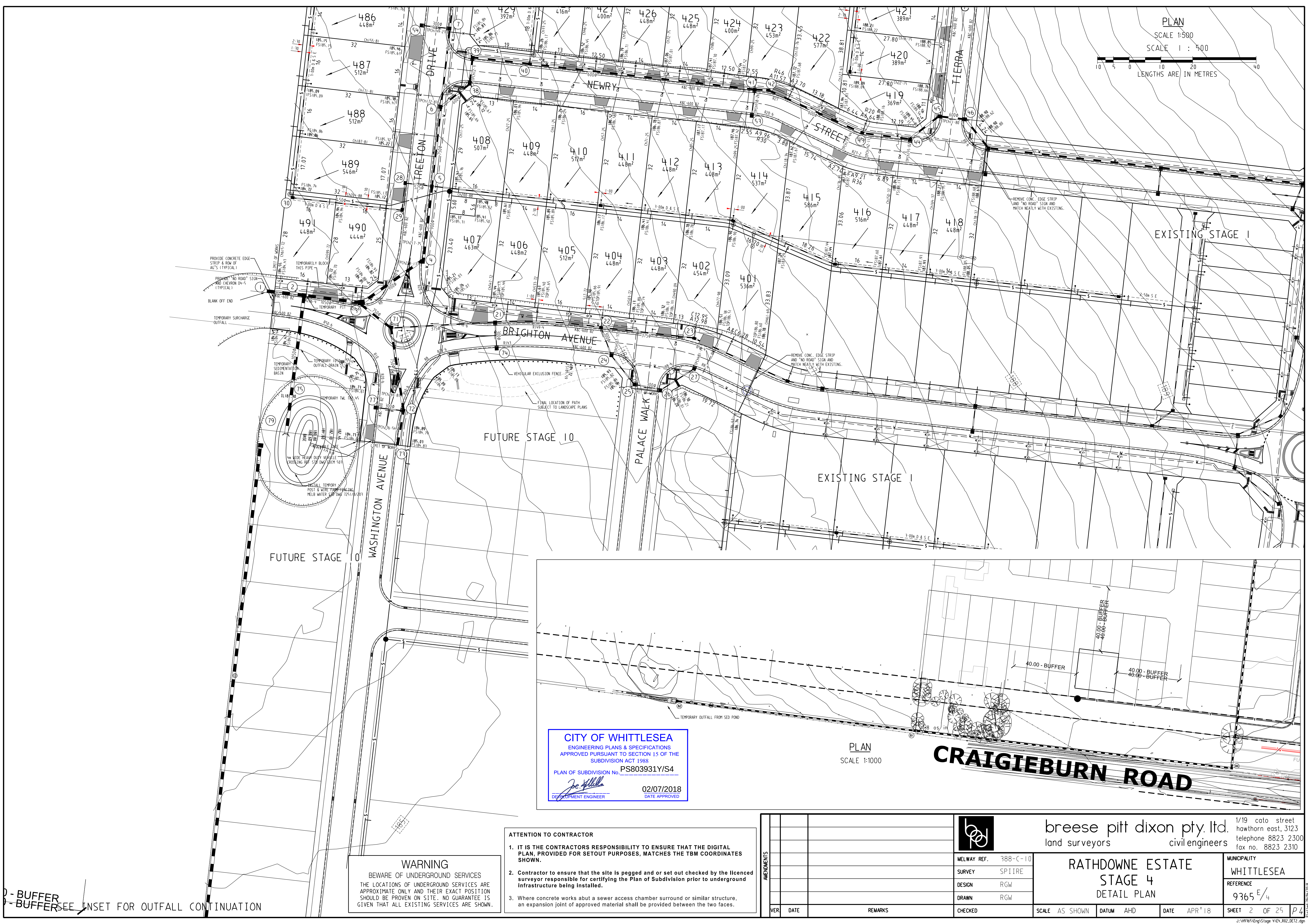




CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS803931Y/S4
DATE APPROVED 02/07/2018

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.

- ATTENTION TO CONTRACTOR
- IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
 - Contractor to ensure that the site is pegged and or set out checked by the licenced surveyor responsible for certifying the Plan of Subdivision prior to underground infrastructure being installed.
 - 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.

AMENDMENTS	VER	DATE	REMARKS		MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 4 DETAIL PLAN	MUNICIPALITY WHITTLESEA REFERENCE 9365 E/4	SHEET 2 OF 25
					SURVEY	SPIIRE			
					DESIGN	RGW			
					DRAWN	RGW			
	CHECKED				SCALE	AS SHOWN	DATUM	AHD	DATE
									APR '18

40.00 - BUFFER
40.00 - BUFFER
INSET FOR OUTFALL CONTINUATION

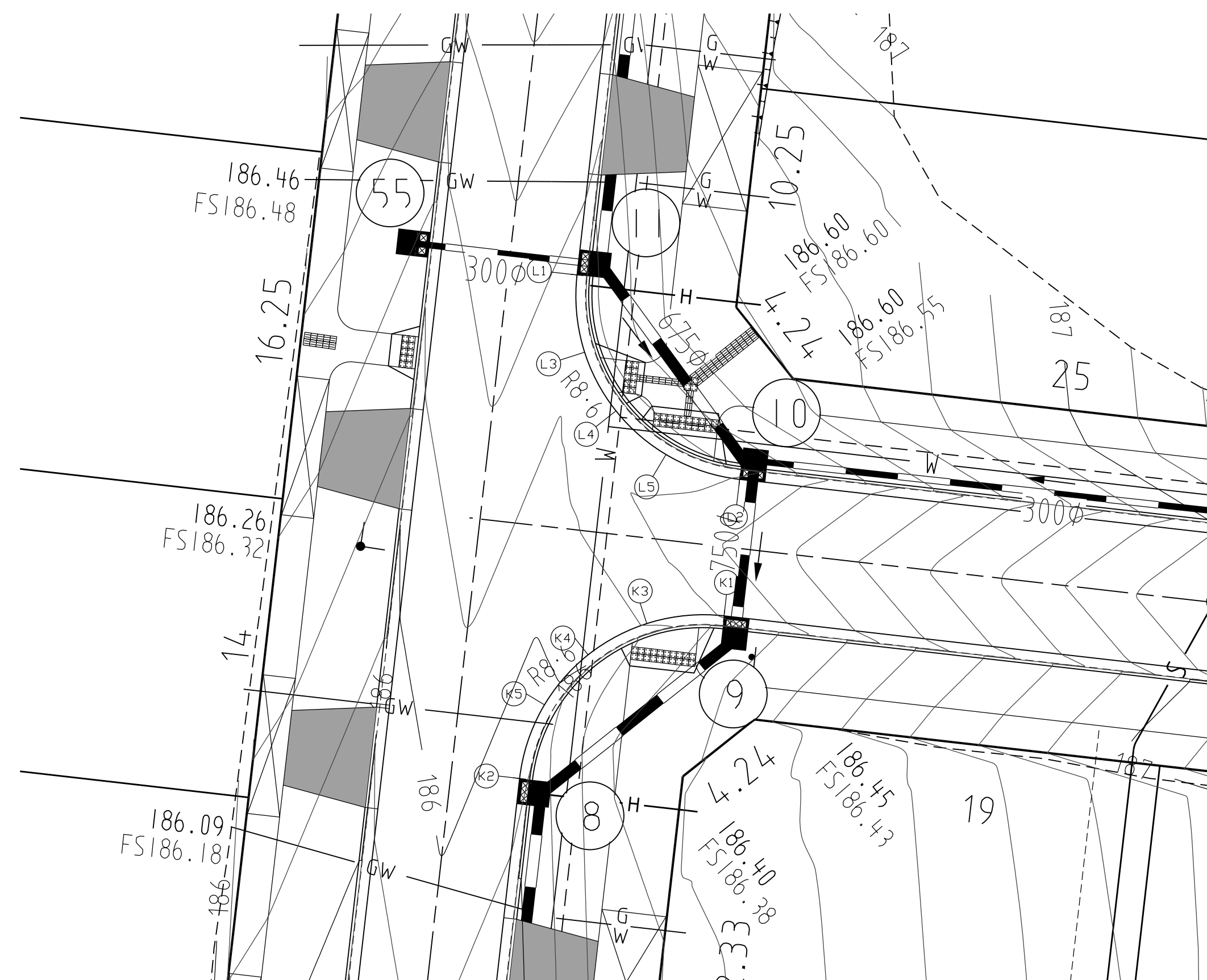
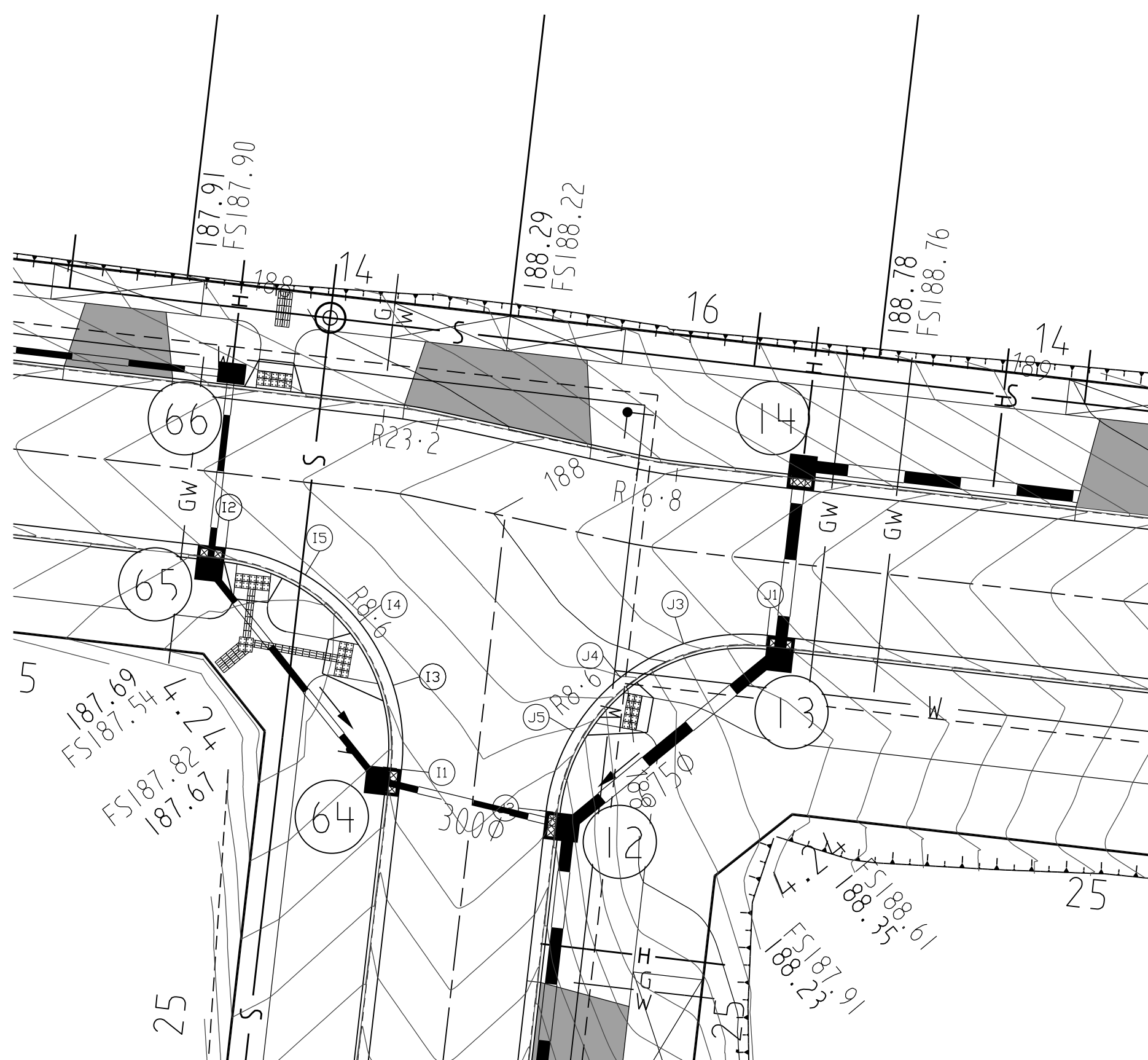
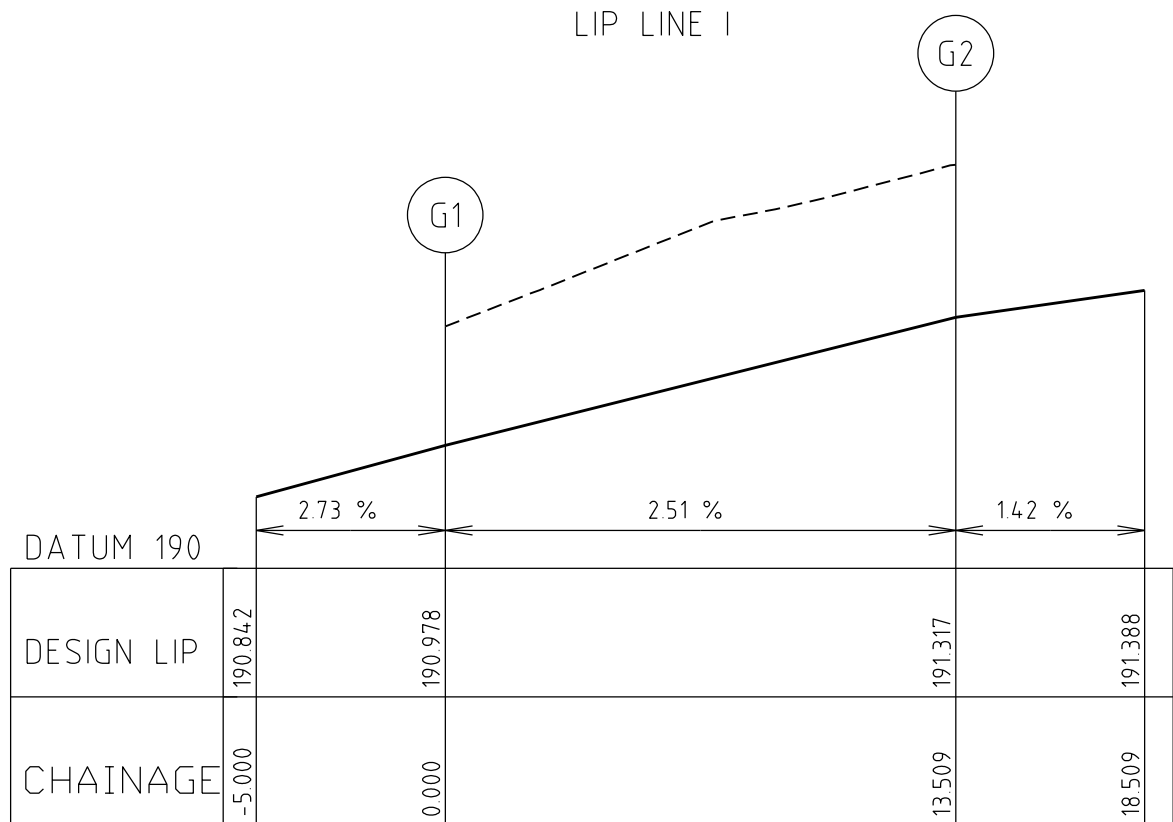


Diagram illustrating the longitudinal section of a road with a parabolic vertical curve. The road surface is shown as a solid line, and the sight line is shown as a dashed line. The road has a datum of 187. The vertical curve starts at a 2.95% grade, has a 0.58% grade in the middle, and ends at a -2.36% grade. The sight line is 6.75m above the road surface at both ends. The road surface elevations at I1 and I2 are 187.547 and 187.709 respectively. The sight line elevations at I1 and I2 are 187.500 and 187.500 respectively. The road surface elevations at the ends of the curve are 187.20 and 187.500. The sight line elevations at the ends of the curve are 187.20 and 187.500.

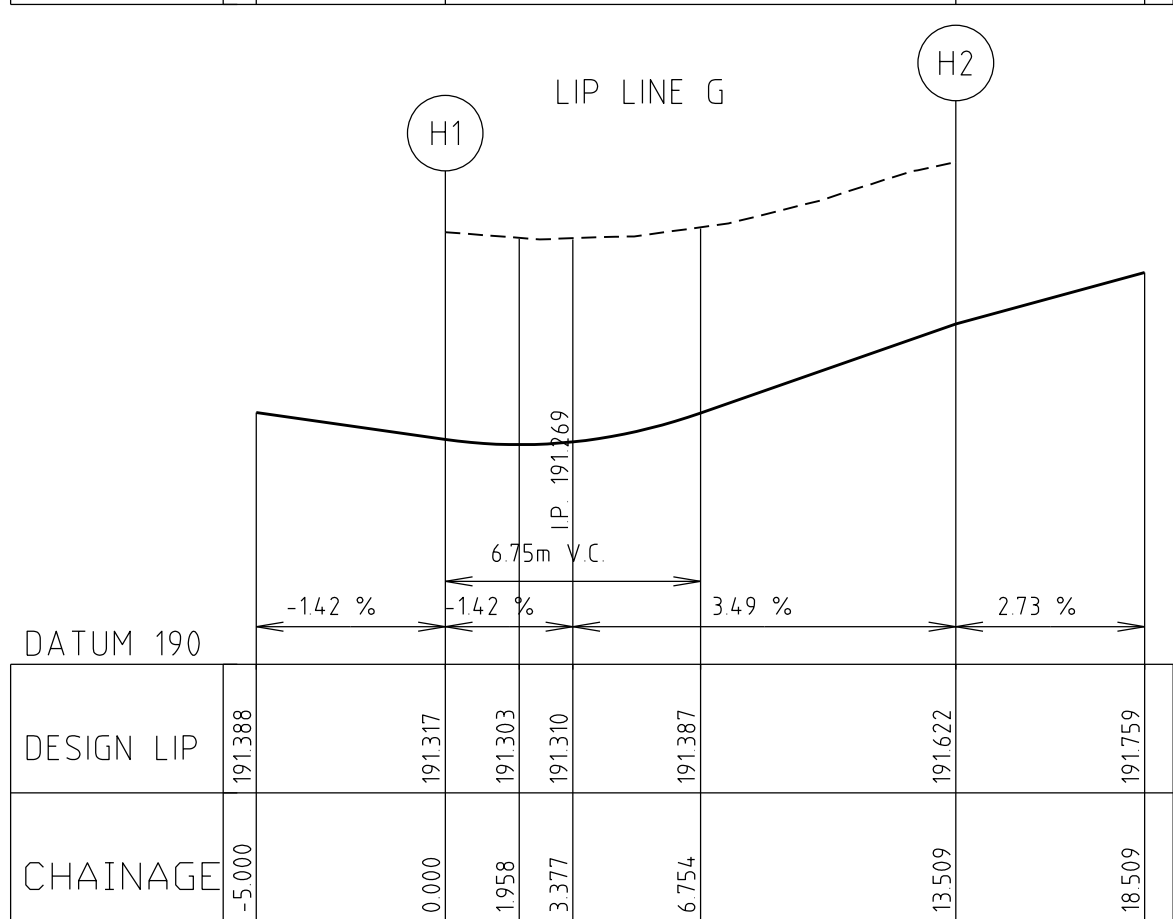
Point	Design Lip	Chainage	Surface Elevation	Sight Line Elevation
Start of Curve	187.20	-5.000	187.20	187.20
I1	187.547	0.000	187.547	187.500
Point of Vertical Intersection	187.647	3.337	187.647	187.600
I2	187.709	6.754	187.709	187.700
End of Curve	187.500	10.000	187.500	187.500



Alignment		I					
	Point no		Easting	Northing	RL		
I	1		322091.771	583669.255	187.568		
I	2		322084.199	5836702.773	187.627		
I	3		322091.414	583669.857	187.652		
I	4		322089.956	5836699.582	187.687		
I	5		322087.628	5836701.616	187.684		
	Curve no		Radius	Chord	Mid Ord	Qtr Ord	End Ord
I	1	2	-8.600	12.162	2.519	1.963	187.687

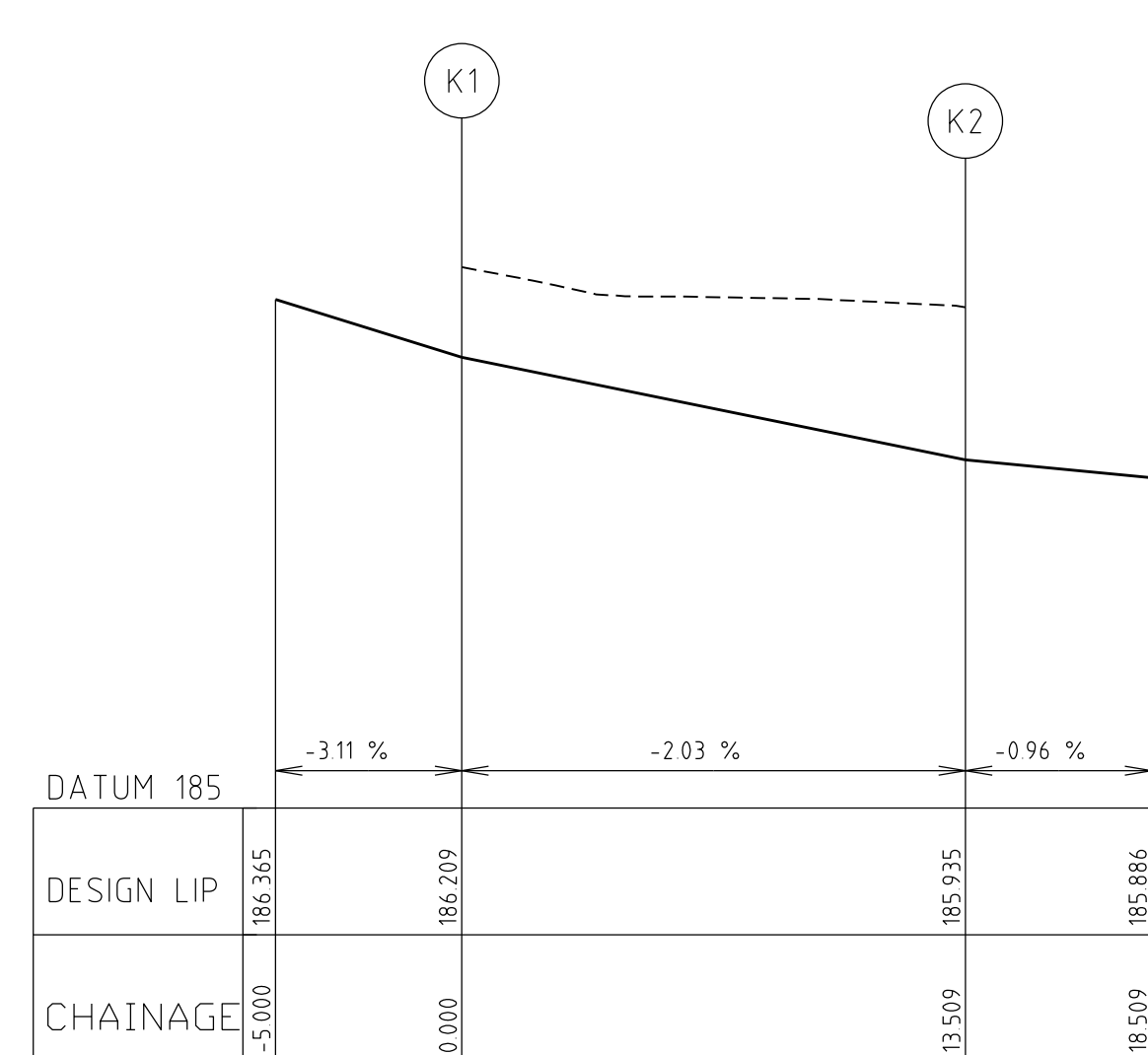
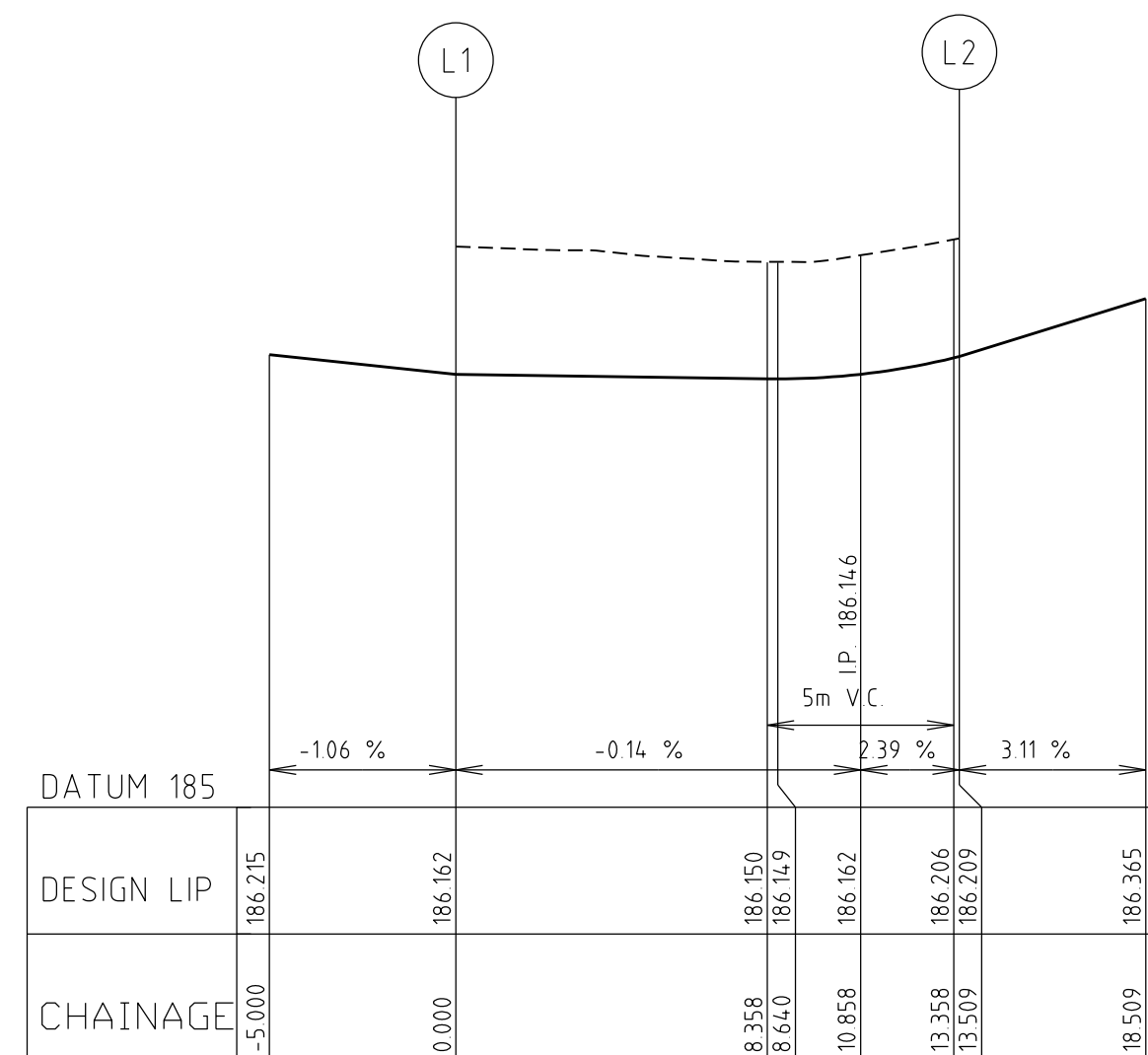
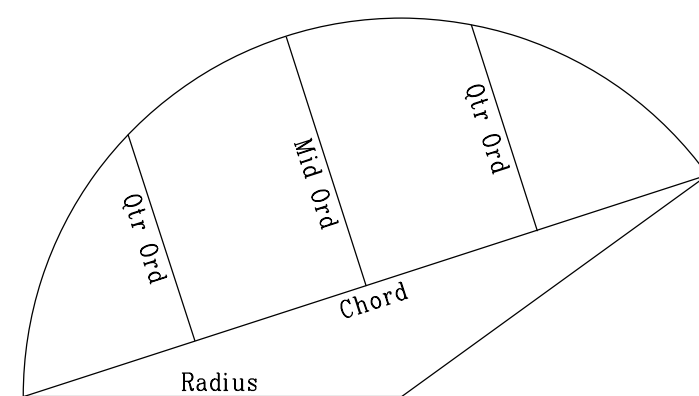
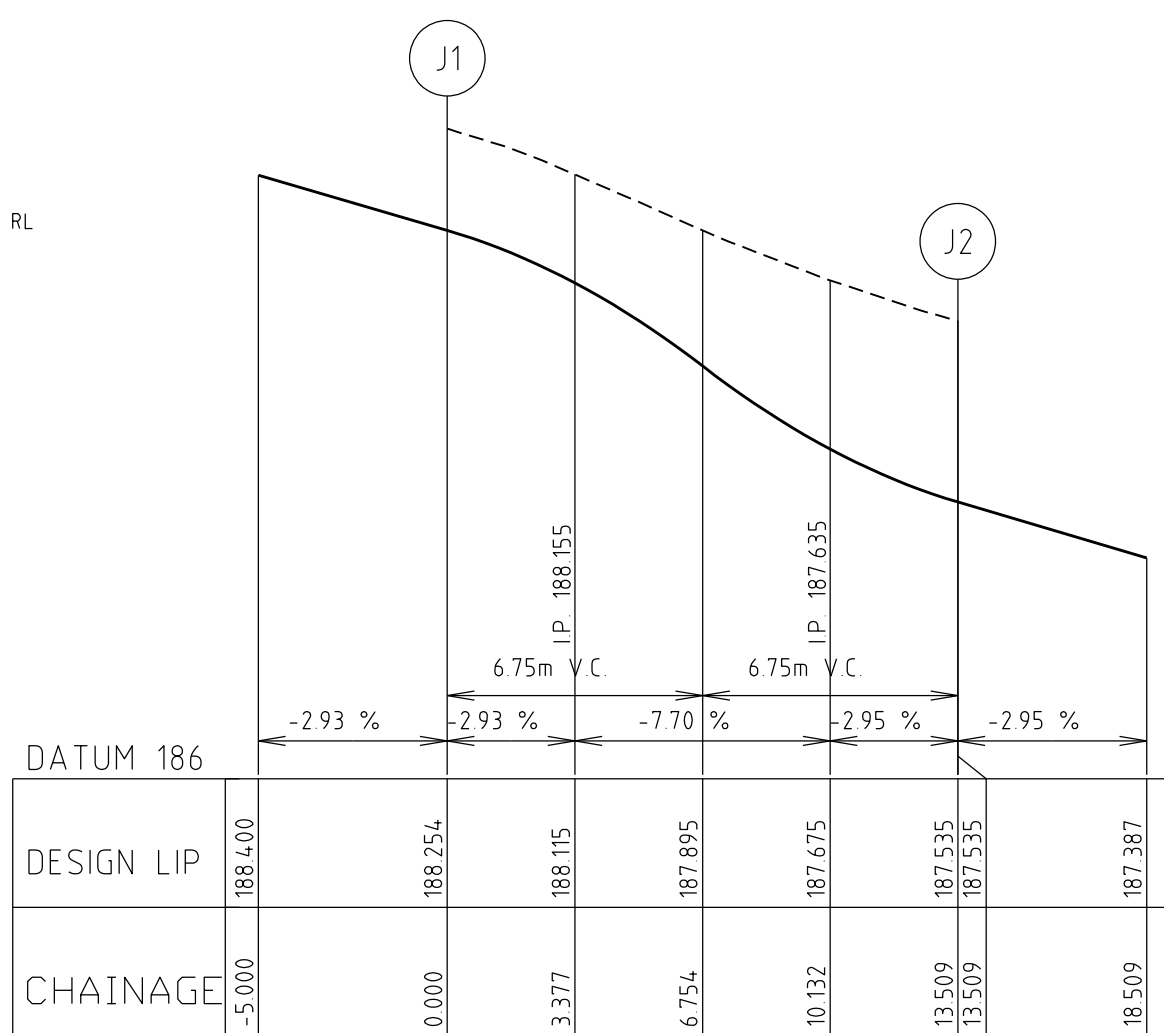


		Alignment		J			
		Point no	Easting	Northing		RL	
J	1	322107-523	583699-010		188-254		
J	2	322098-005	583691-438		187-535		
J	3	322103-921	583698-653		188-100		
J	4	322101-96	583697-195		187-895		
J	5	322099-162	583694-867		187-689		
		Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
J	1 2	-8-600	12-162	2-519	1-963	187-895	



Alignment		G					
	Point no	Easting		Northing		RL	
G	1	322250.825		5836689.901		191.070	
G	2	322237.550		5836691.359		191.148	
G	3	322255.584		5836693.687		191.226	
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL	
G	0	0	-8.600	12.162	2.519	1.963	191.148

Alignment		H	Point no		Easting	Northing	RL
H	1		32226	3-456	5836692-791		191-313
H	2		32226	4-915	5836690-065		191-387
H	3		32226	7-242	5836688-032		191-495
Curve no		Radius	Chord	Mid Ord	Qtr Ord	Mid Ord	RL
H	0	0	-8-600	12-162	2-519	1-963	191-387



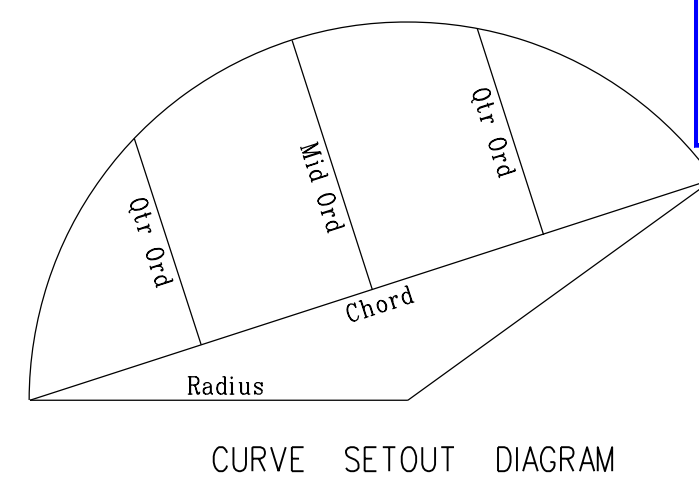
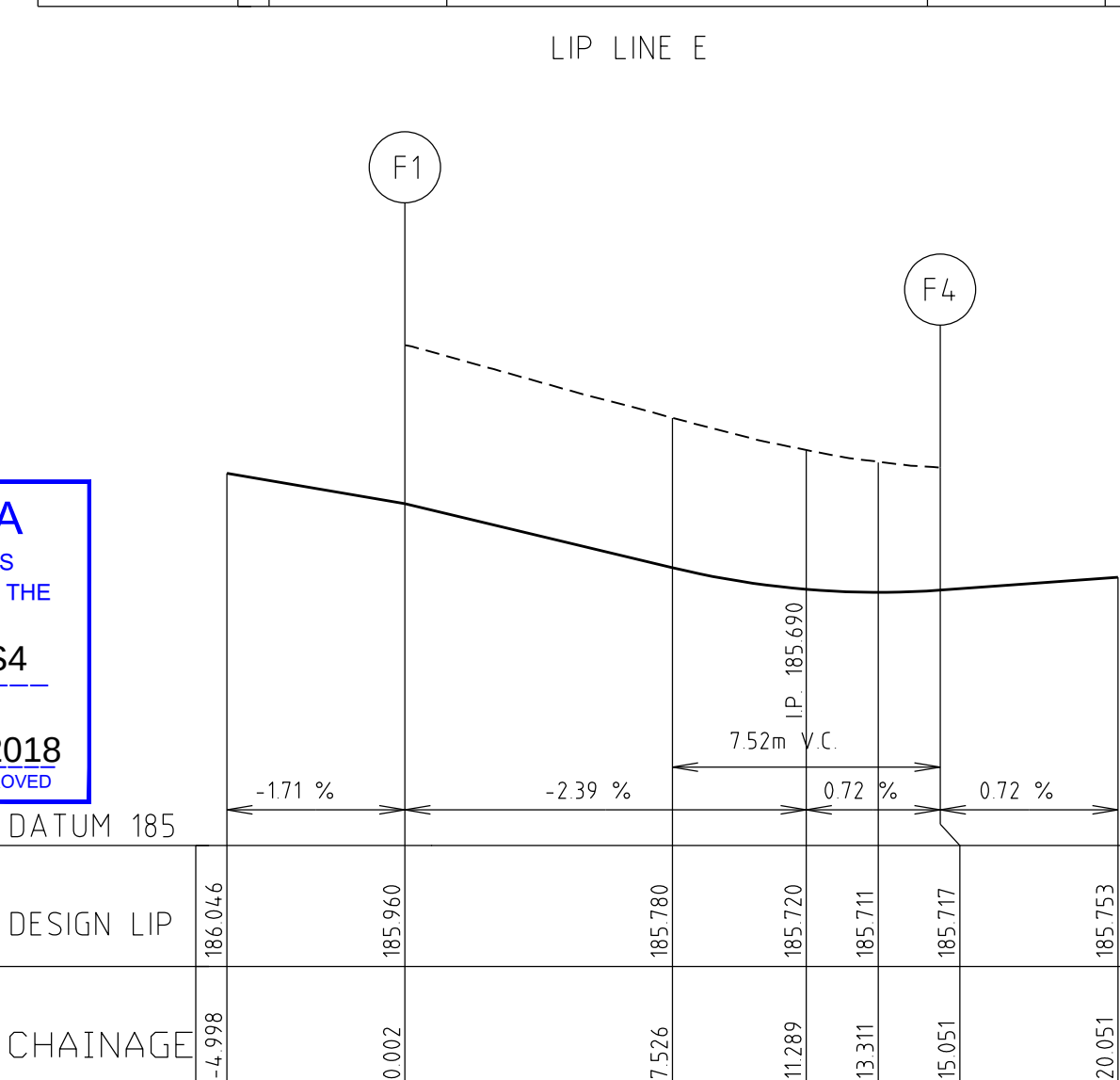
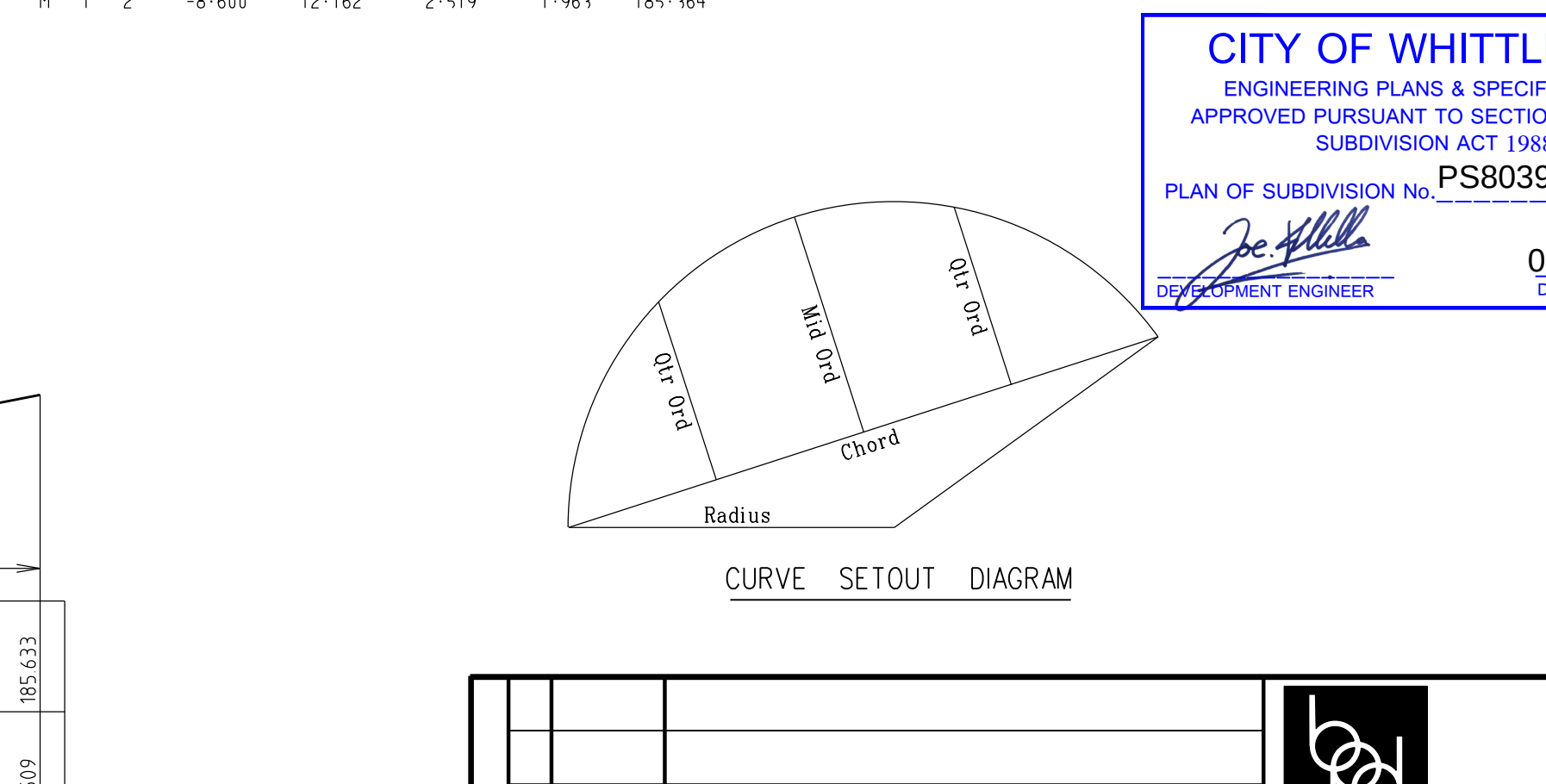
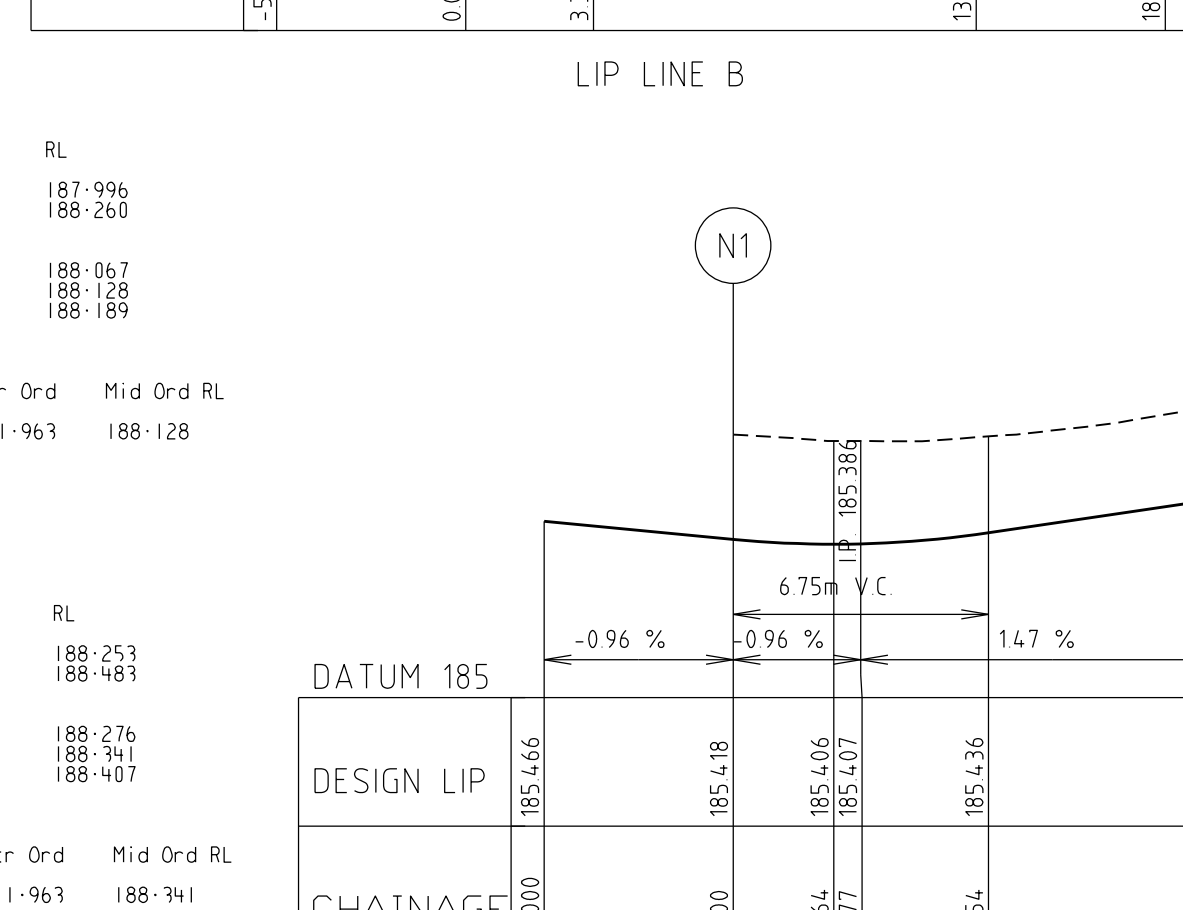
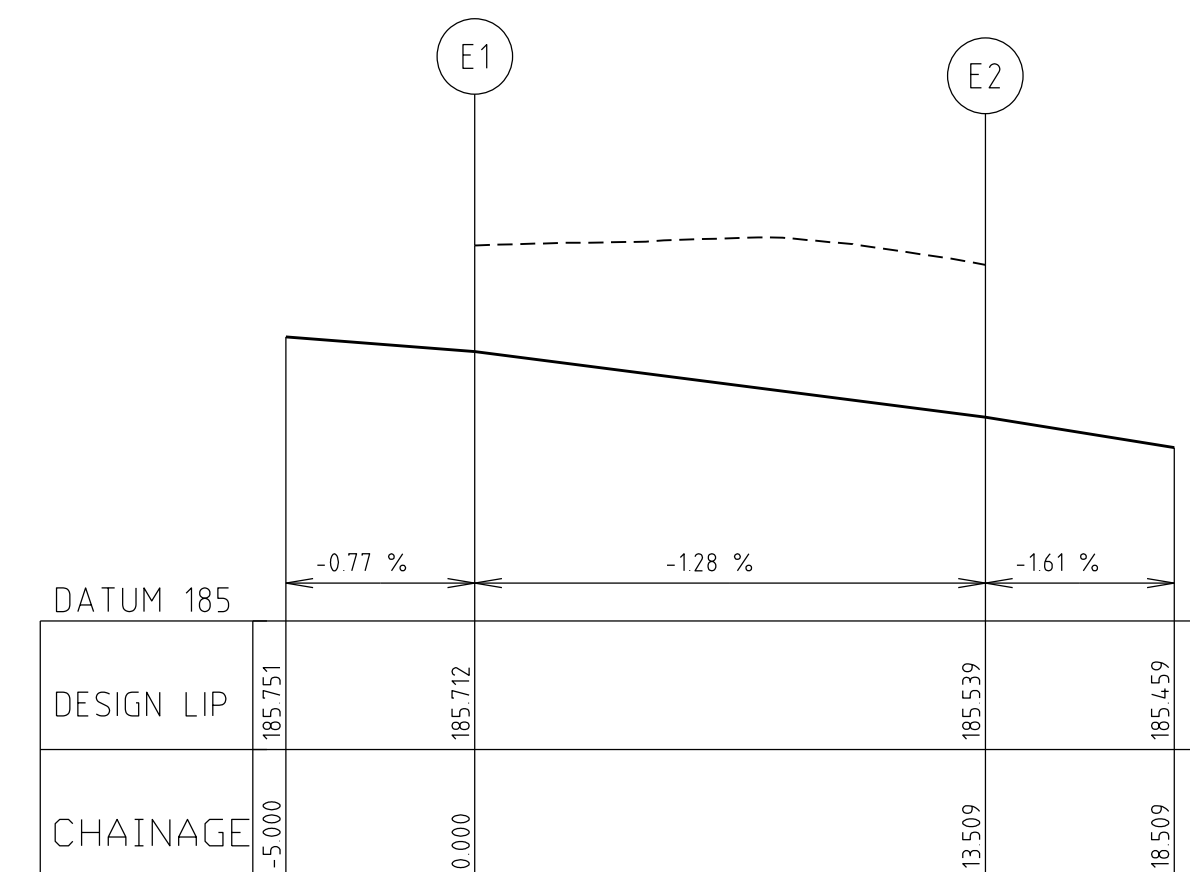
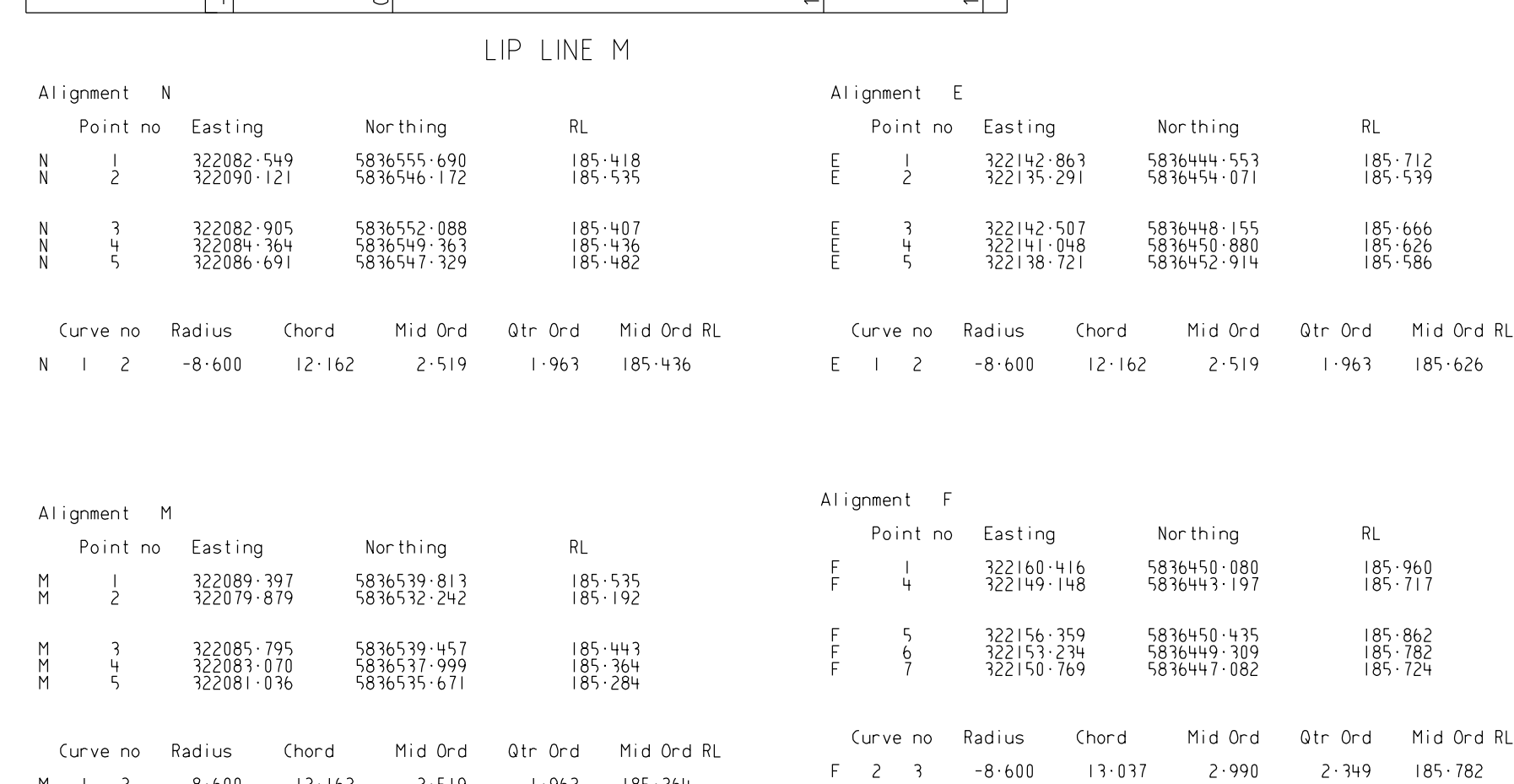
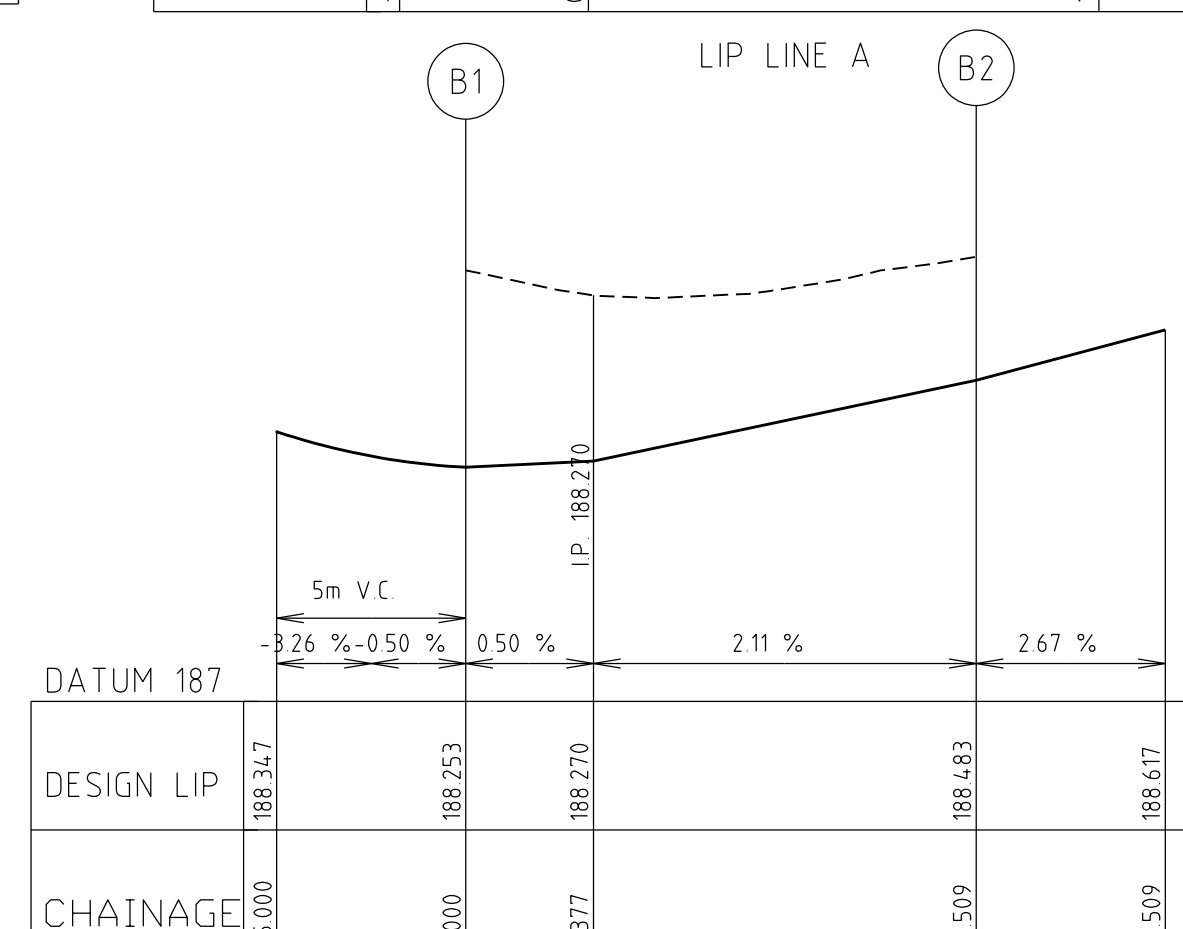
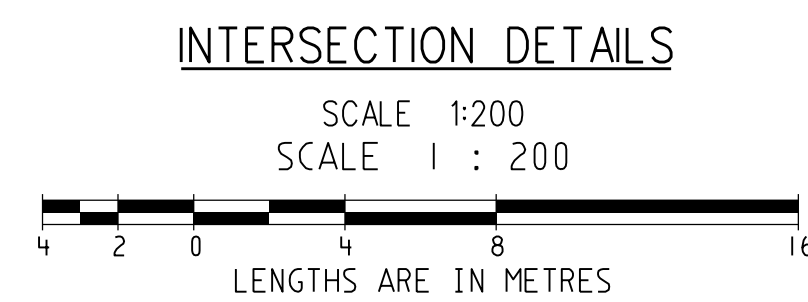
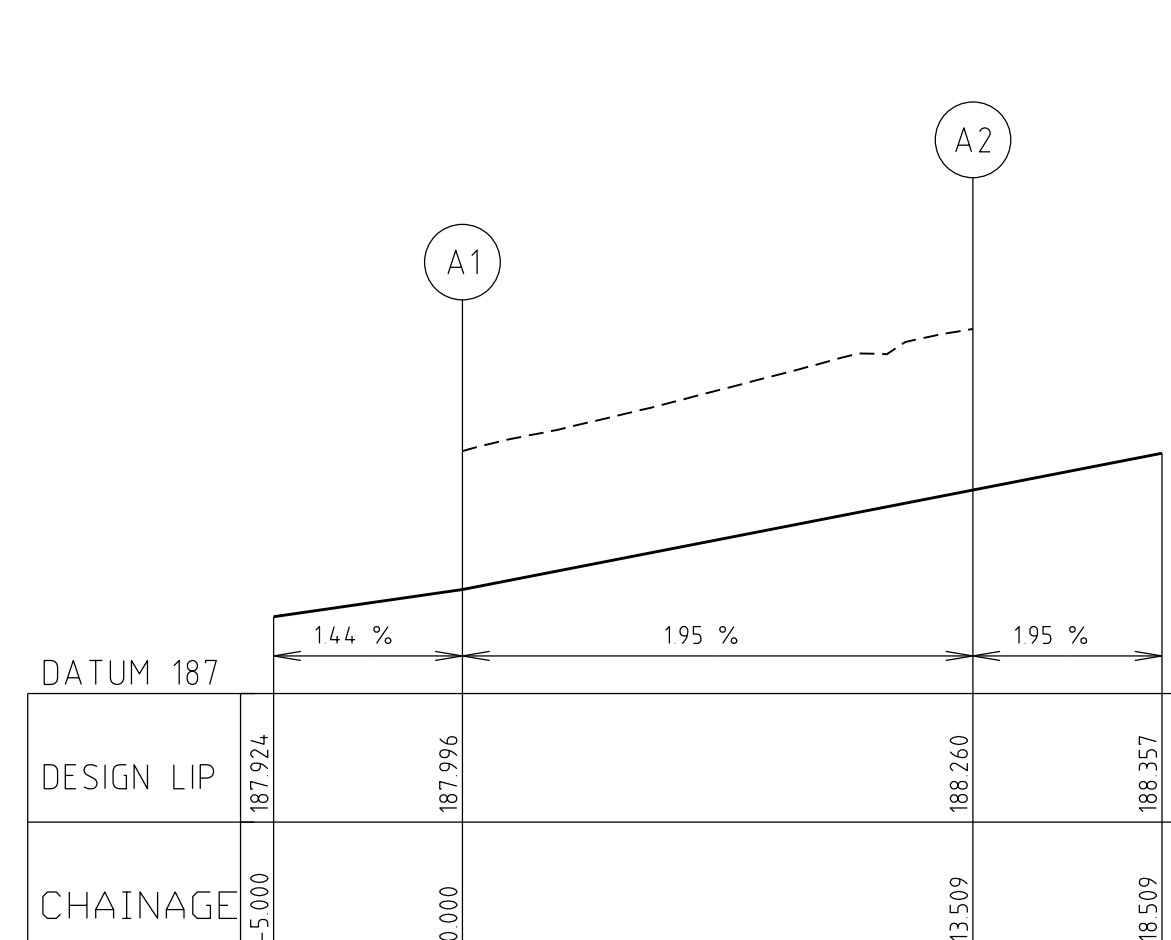
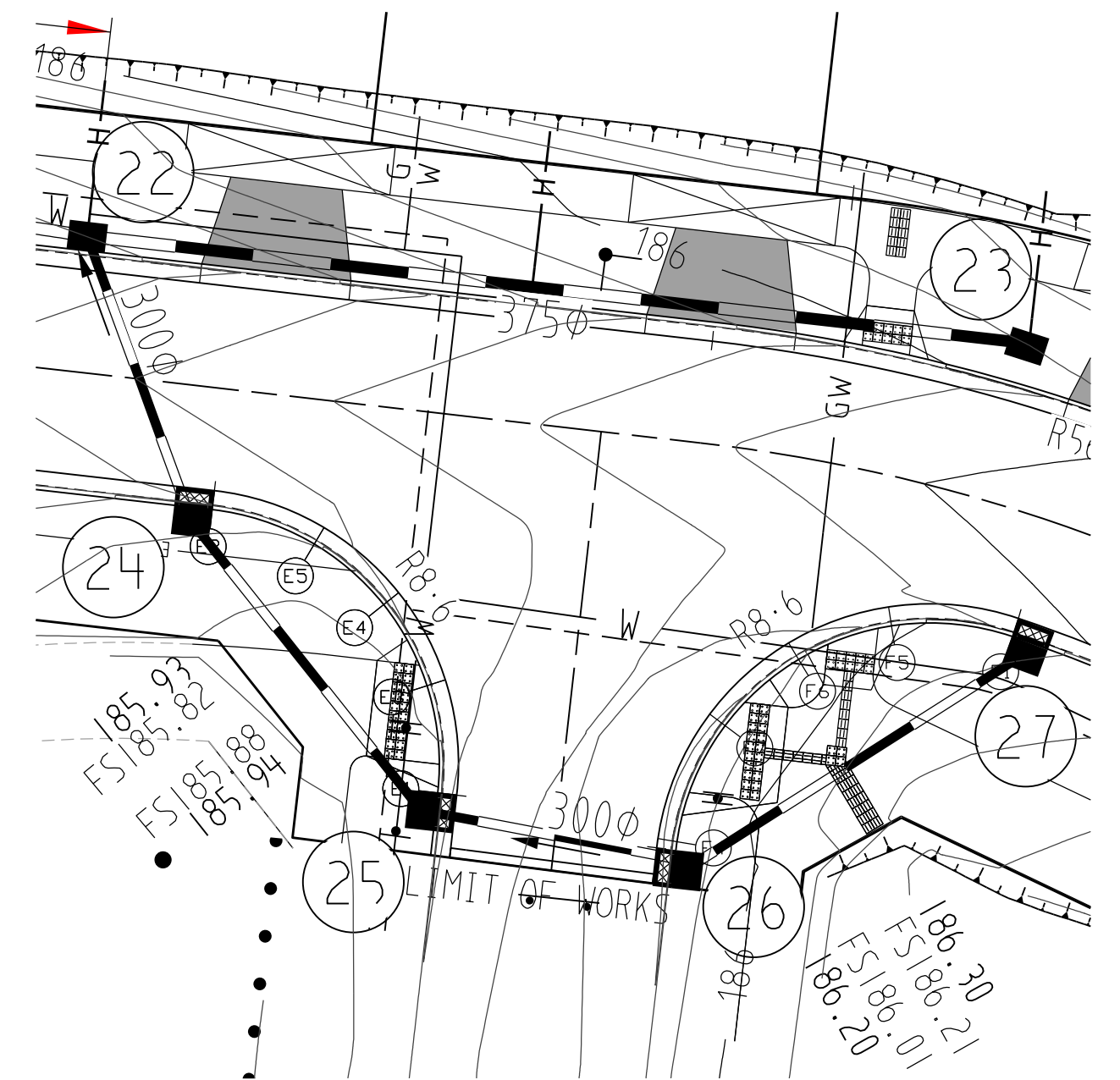
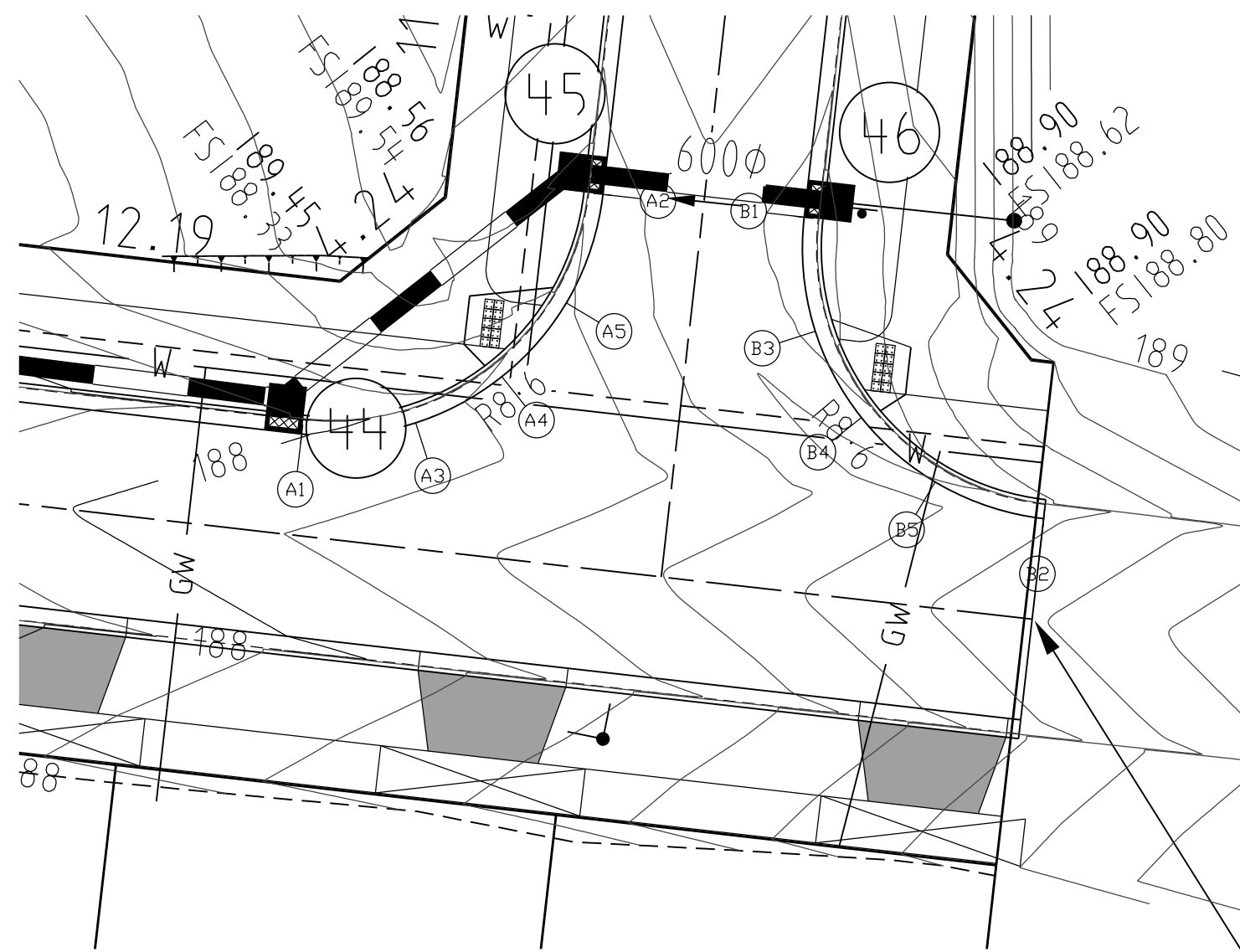
CITY OF WHITTLESEA	
ENGINEERING PLANS & SPECIFICATIONS	
APPROVED PURSUANT TO SECTION 15 OF THE	
SUBDIVISION ACT 1988	
PLAN OF SUBDIVISION No.	PS803931Y/S4
 DEVELOPMENT ENGINEER	02/07/2018 DATE APPROVED

1) HAZARD / DIRECTIONAL TGSIS SHOWN THUS / AND FOOTPATH RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGSIS SHALL CONFORM TO ASI428.4

Alignment		L						
Point no		Easting	Northing		RL			
L	1	322091.297	583662.519		186.162			
L	2	322098.869	583662.017		186.209			
L	3	322091.653	583662.8.017		186.156			
L	4	322093.111	583662.6.192		186.152			
L	5	322095.439	583662.4.158		186.155			
Curve no		Radius	Chord	Mid Ord	Qtr Ord	Mid Ord	Ord RL	
L	1 2	-8.600	12.162	2.519	1.963	186.152		

Alignment		K				
	Point no		Easting	Northing		RL
K	1		322098-144	5836616-642		186-209
K	2		322086-627	5836609-070		186-935
K	3		322094-543	5836616-286		186-107
K	4		322091-817	5836614-827		186-036
K	5		322089-784	5836612-507		186-980
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord
K	1 2	-8-600	12-162	2-519	1-963	186-036

AMENDMENTS					breese pitt dixon Pty. Ltd.				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
					land surveyors				civil engineers							
					MELWAY REF.	388-C-10		RATHDOWNE ESTATE STAGE 4 INTERSECTION DETAILS				MUNICIPALITY		WHITTLESEA		
					SURVEY	SPIIRE						REFERENCE		9365 E/4		
					DESIGN	RGW										
			DRAWN	RGW												
VER.	DATE	REMARKS		CHECKED	SCALE AS SHOWN		DATUM AHD		DATE	APR '18		SHEET	4	OF	25	P4

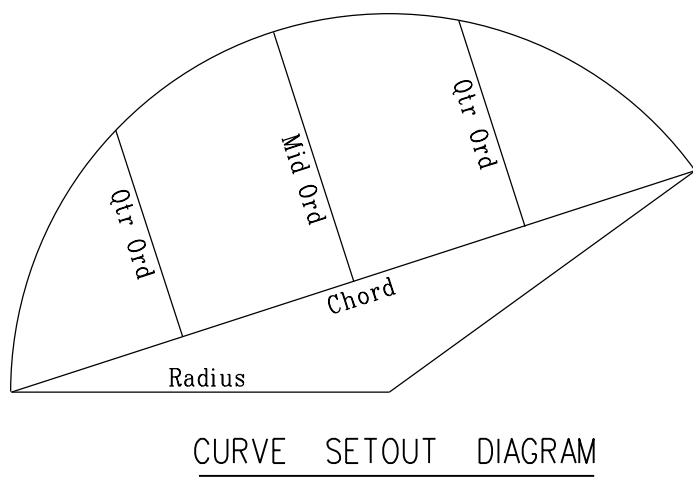
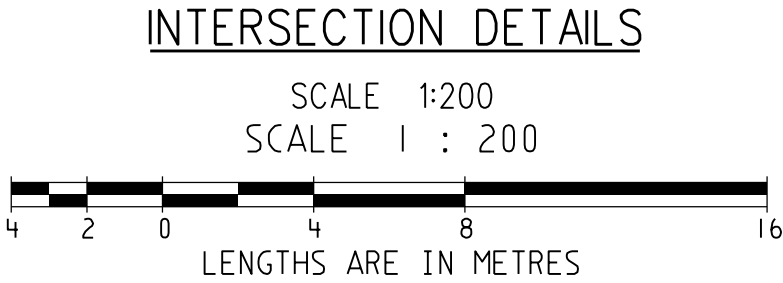


CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988

PLAN OF SUBDIVISION NO. PS803931Y/S4


DEVELOPMENT ENGINEER

02/07/2018
DATE APPROVED



Alignment		U			
		Point no	Easting	Northing	RL
U	1	322028.361	5836472.688	184.094	
U	2	322049.905	5836469.071	184.364	
U	3	322057.673	5836468.842	184.660	
U	4	32206.3.341	5836472.767	184.548	
U	5	322068.438	5836485.333	184.752	

Alignment	V	Point no	Easting	Northing	RL
V	1	322074-188	5836482-257	184-671	
V	2	322075-883	5836471-444	184-551	
V	3	322079-827	5836467-004	184-820	
V	4	322097-404	5836462-642	185-032	
V	5	322122-860	5836461-928	185-326	

	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
U	1	206.400	21.846	0.289	0.217	184.229
U	3	-20.600	7.770	0.370	0.278	184.412
U	4	-8.000	6.894	0.781	0.593	184.504
U	5	-40.600	16.379	0.835	0.628	184.650

	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
V	0 2	-20.600	10.946	0.740	0.558	184.697
V	2 3	-10.000	5.936	0.451	0.340	184.786
V	3 4	-30.600	18.114	1.371	1.034	184.926
V	4 5	149.400	25.466	0.544	0.408	185.179

Island Alignment A				
	Point no	Easting	Northing	RL
A	2	322049.922	583646.3985	184.364
A	3	322049.562	583646.642	184.378
A	4	322050.122	583646.389	184.393
A	7	322057.195	583646.488	184.427
A	8	322057.503	583646.126	184.430
A	9	322056.818	583646.1885	184.408
A	10	322056.000	583646.1455	184.401

Island	Alignment	B		
	Point no	Easting	Northing	RL
B	3	322069-576	5836477-659	184-720
B	4	322069-980	5836477-685	184-723
B	5	322070-147	5836477-608	184-724
B	8	322071-868	5836472-579	184-740
B	9	322071-767	5836472-908	184-740
B	10	322068-722	5836472-843	184-711
B	11	322068-557	5836472-997	184-709

	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL	
A	2	3	0.600	0.521	1.141	0.045	184.421
A	3	4	0.600	0.749	0.131	0.101	184.386
A	7	8	0.300	0.475	0.117	0.092	184.428
A	9	10	0.600	0.924	0.217	0.171	184.404

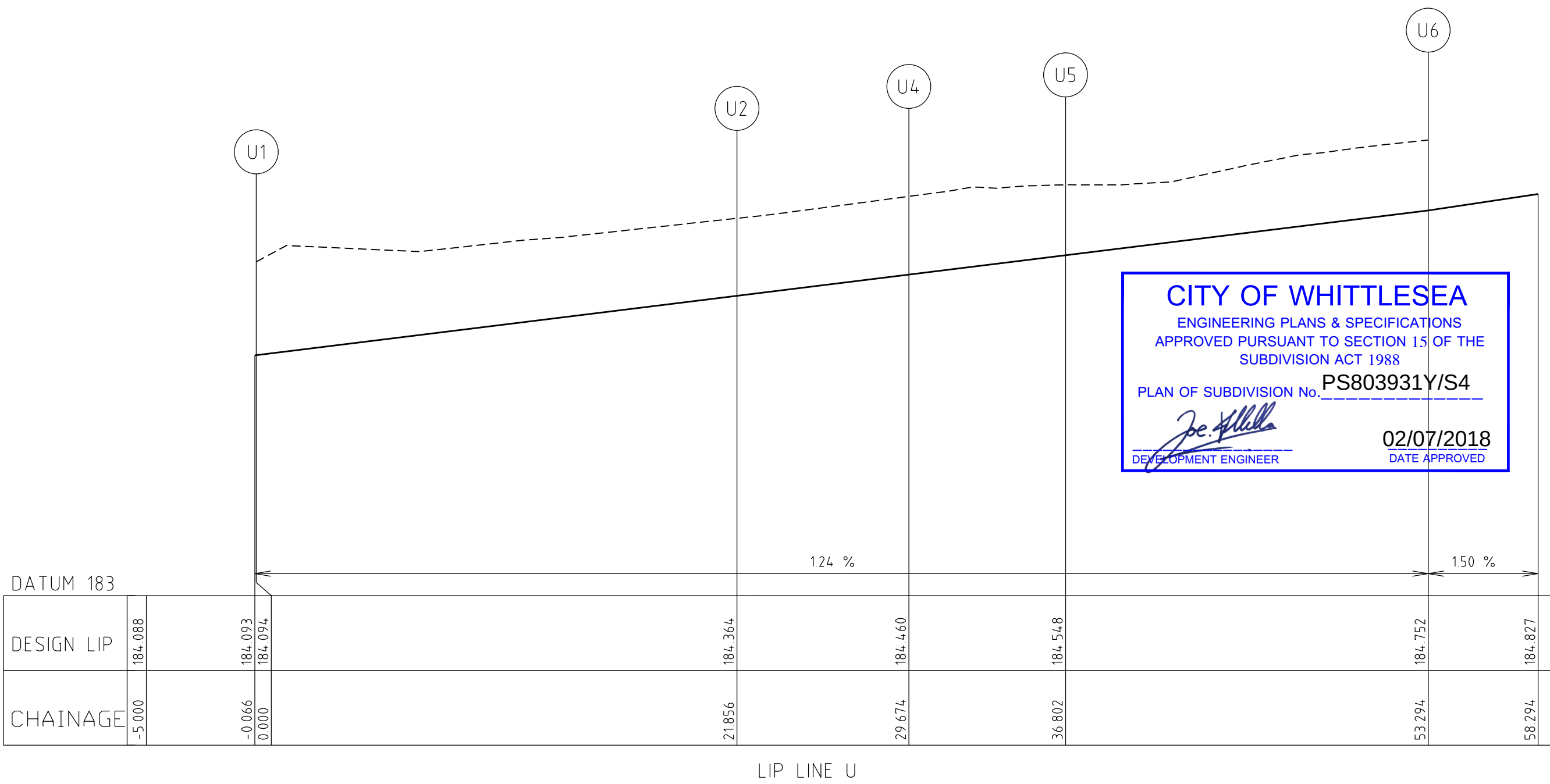
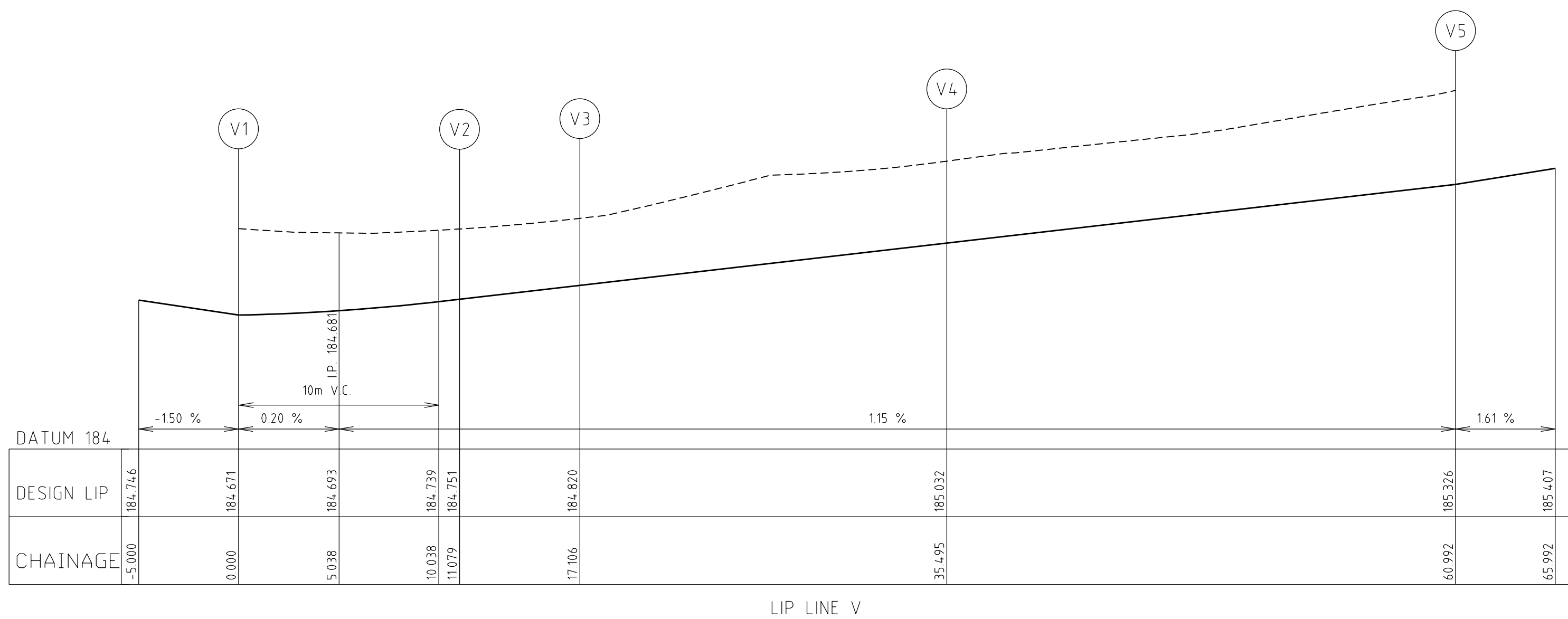
	Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
B pp	3	4	0.600	0.728	0.123	0.095
	4	5	0.600	0.728	0.123	0.095
	8	9	0.300	0.507	0.139	0.111
	10	11	0.300	0.507	0.139	0.111

Island Alignment C				
	Point no	Easting	Northing	RL
C	2	322081.370	5836461.026	184.967
C	5	322081.572	5836461.133	184.969
C	6	322082.637	5836459.914	185.019
C	7	322082.661	5836459.496	185.022
C	8	322082.577	5836459.127	185.024
C	11	322081.374	5836457.405	184.892
C	12	322081.374	5836457.405	184.892

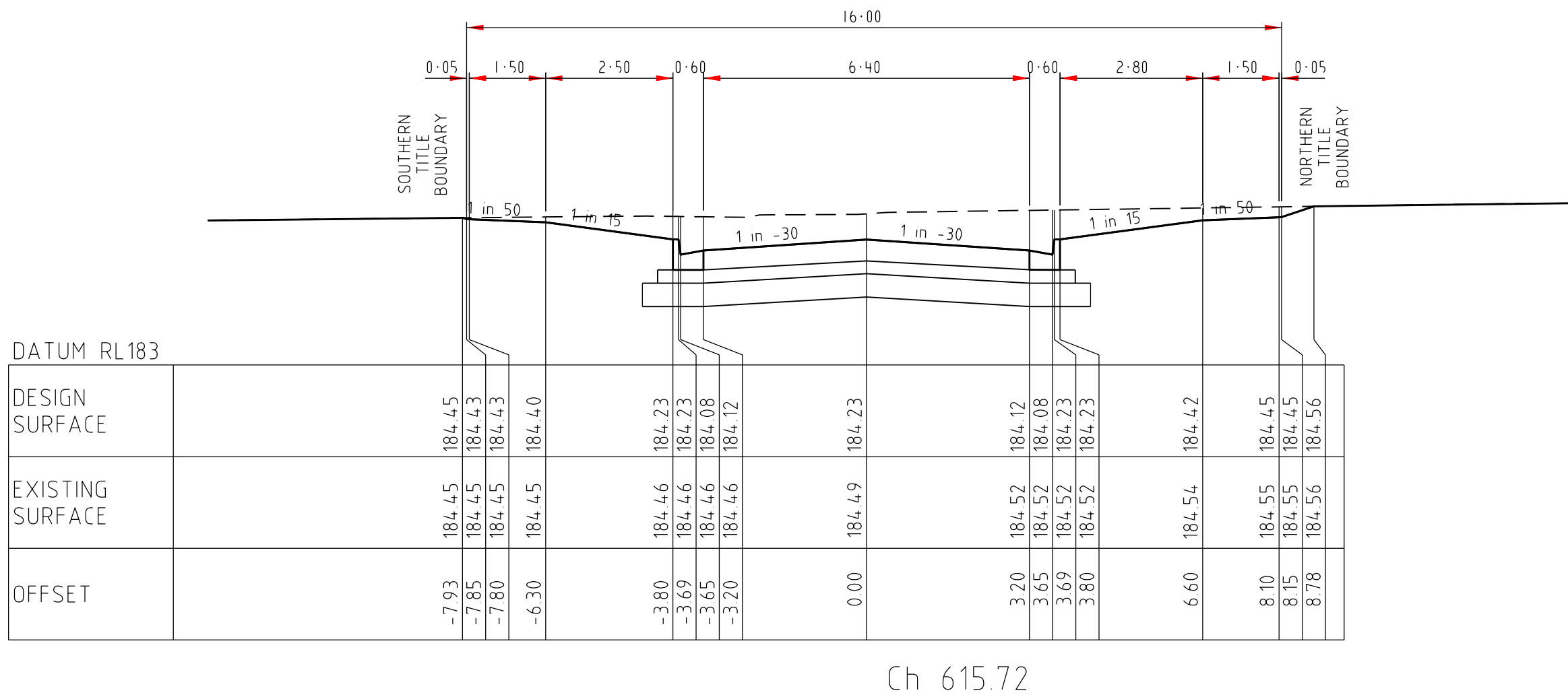
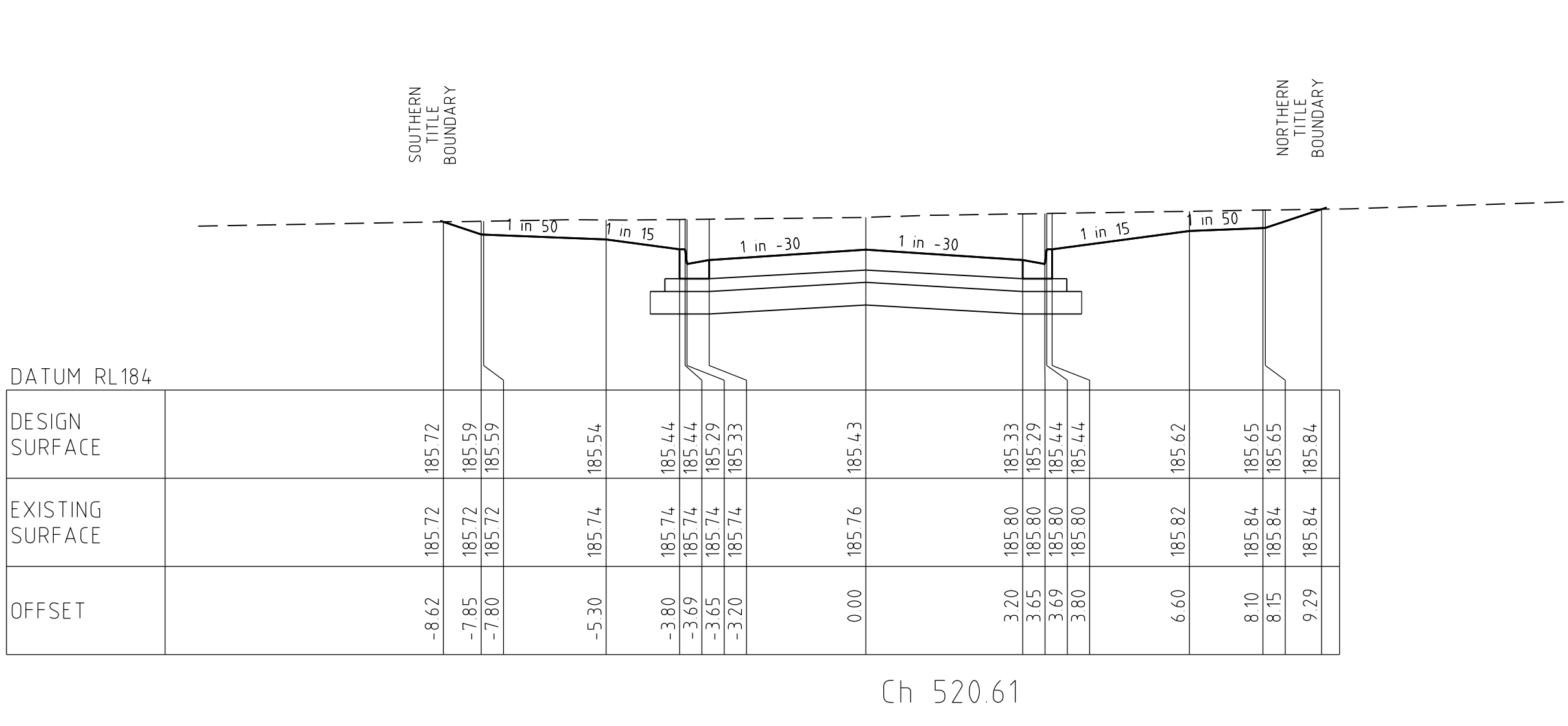
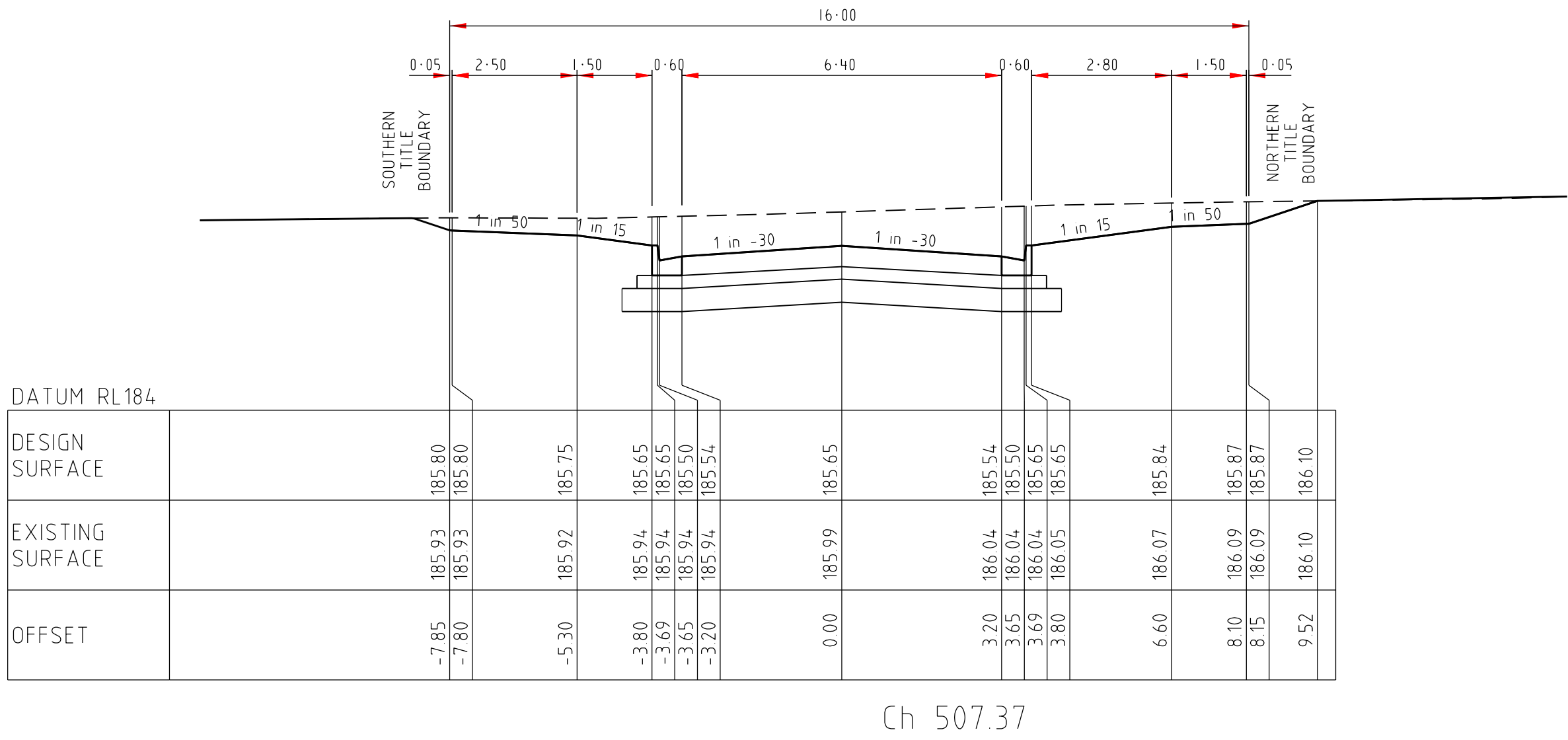
Island Alignment D				
	Point no	Easting	Northing	RL
D	3	322064-671	583648-426	184-562
D	4	322065-016	583648-770	184-565
D	7	322067-053	583648-287	184-570
D	8	322068-425	583647-509	184-584
D	11	322066-792	583644-520	184-568
D	12	322066-176	583642-139	184-564
D	13	322065-629	583642-609	184-560

Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
C 2 3	0.600	0.899	0.203	0.159	184.967
C 6 7	0.600	0.748	0.131	0.101	185.017
C 7 8	0.600	0.748	0.131	0.101	185.024
C 11 12	0.300	0.050	0.599	0.001	185.008

Curve no	Radius	Chord	Mid Ord	Qtr Ord	Mid Ord RL
D 3 4	0.300	0.493	0.129	0.102	184.564
D 7 8	0.600	0.911	0.210	0.165	184.582
D 11 12	0.600	0.741	0.128	0.099	184.566
D 12 13	0.600	0.741	0.128	0.099	184.562



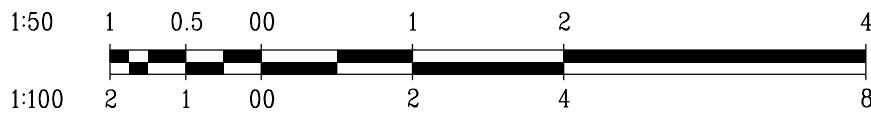
AMENDMENTS				breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
		MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 4 INTERSECTION DETAILS				MUNICIPALITY		WHITTLESEA					
		SURVEY	SPIIRE					REFERENCE		9365 E/4					
		DESIGN	RGW												
		DRAWN	RGW												
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	APR '18	SHEET	6	OF	25	P4



BRIGHTON AVENUE

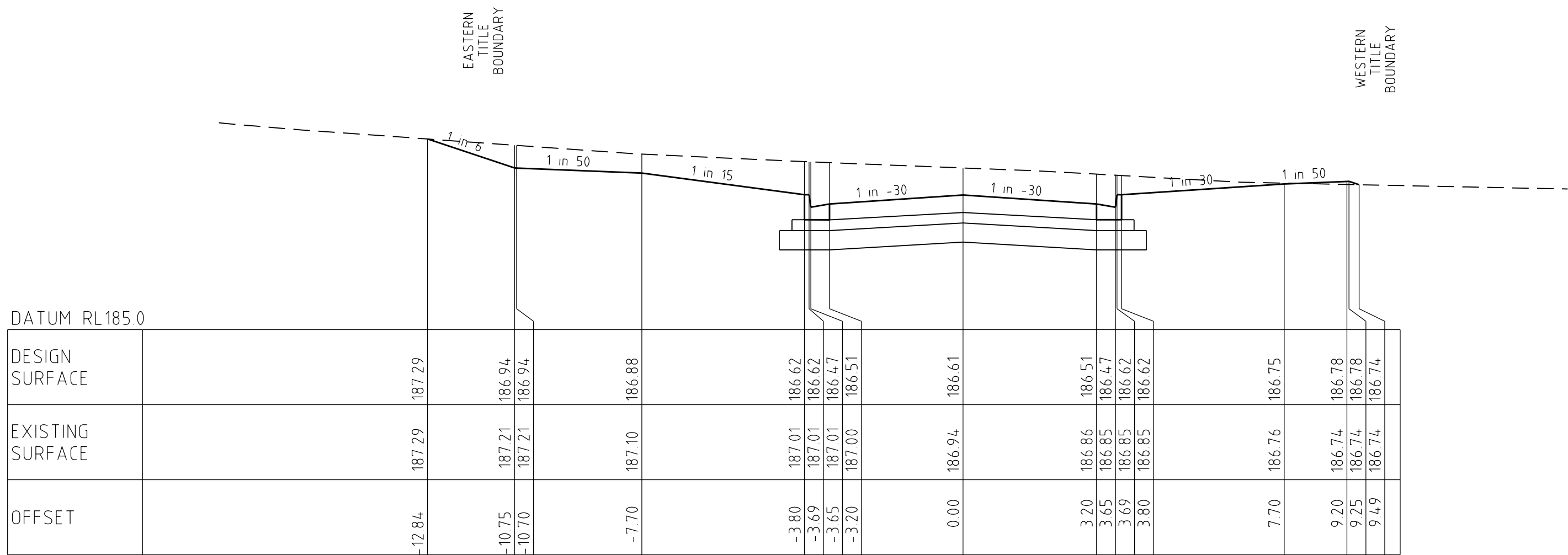
CROSS SECTIONS

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VERTICAL 1:50

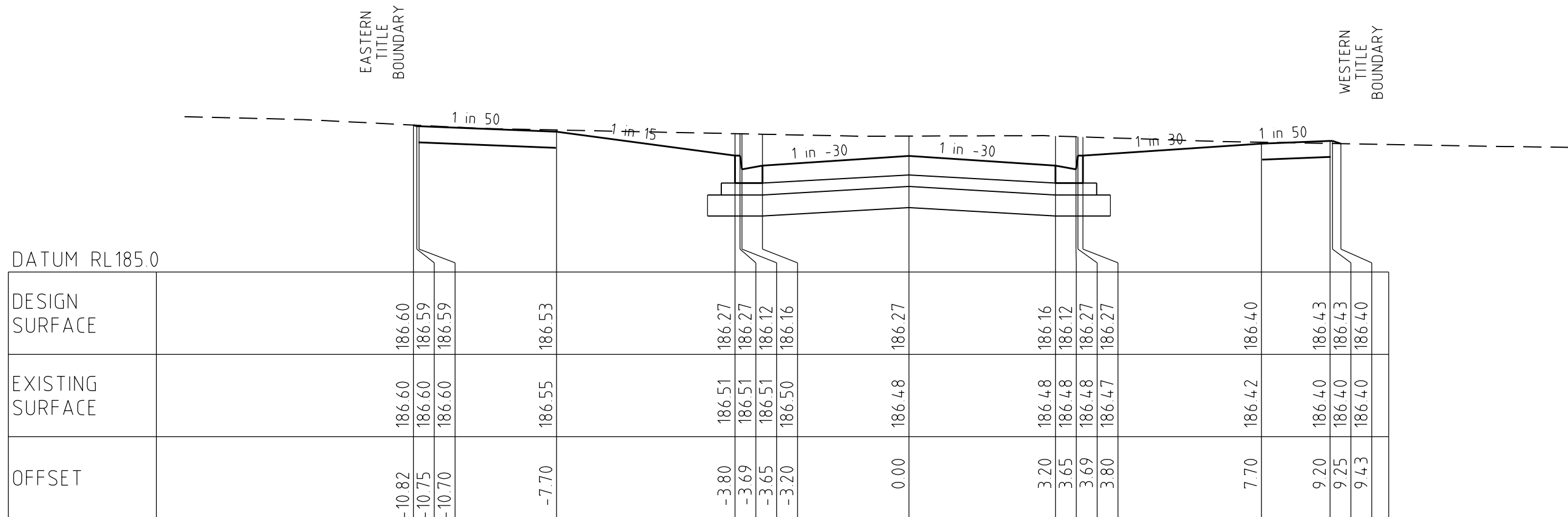


CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS803931Y/S4
02/07/2018
DATE APPROVED

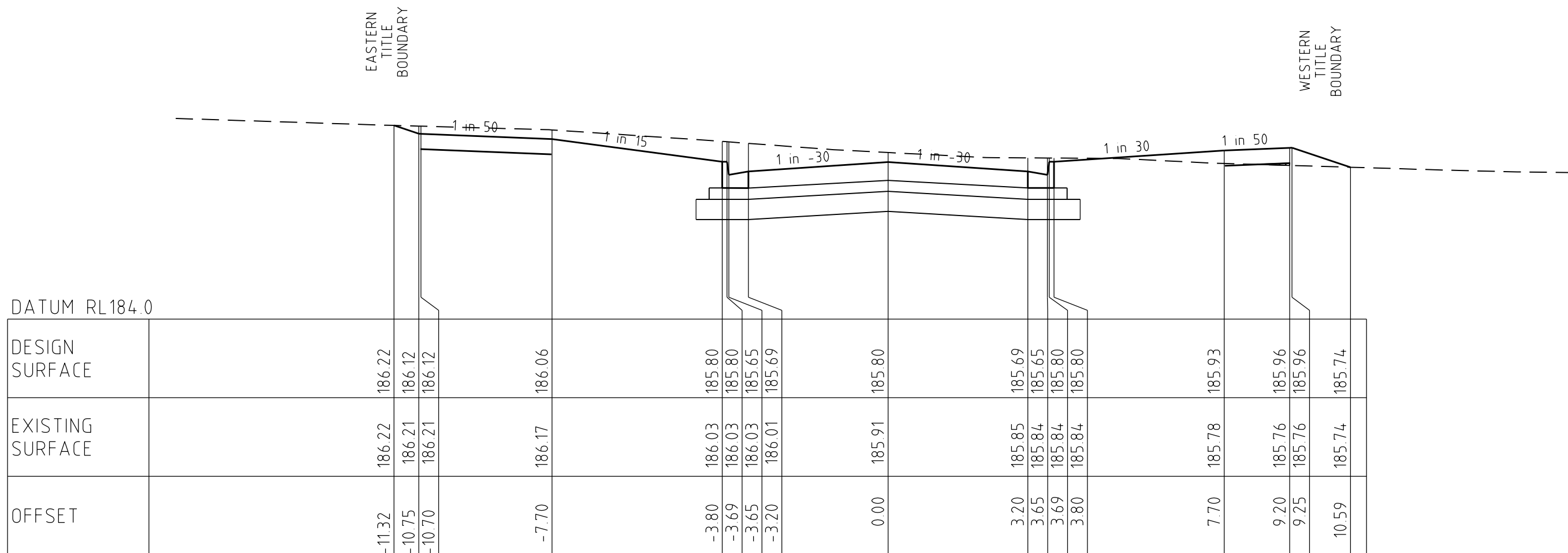
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				land surveyors		civil engineers	
				MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 4 BRIGHTON AVENUE		MUNICIPALITY WHITTLESEA
				SURVEY SPIIRE			REFERENCE 9365 E/4
			DESIGN RGW				
			DRAWN RGW				
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR '18	SHEET 9 OF 25



4981



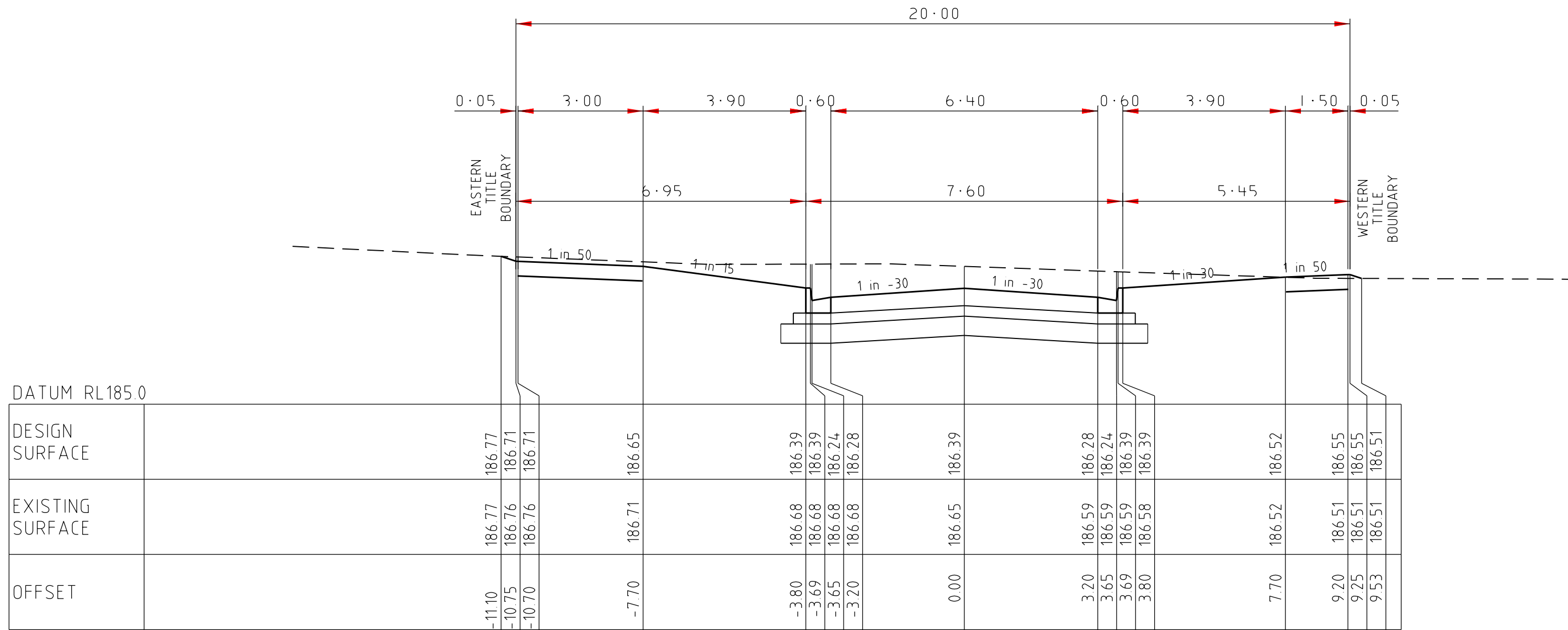
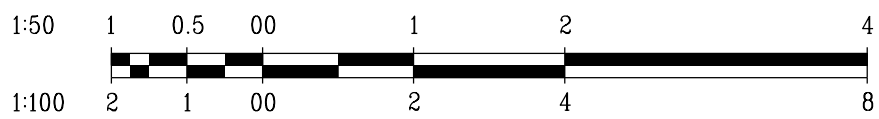
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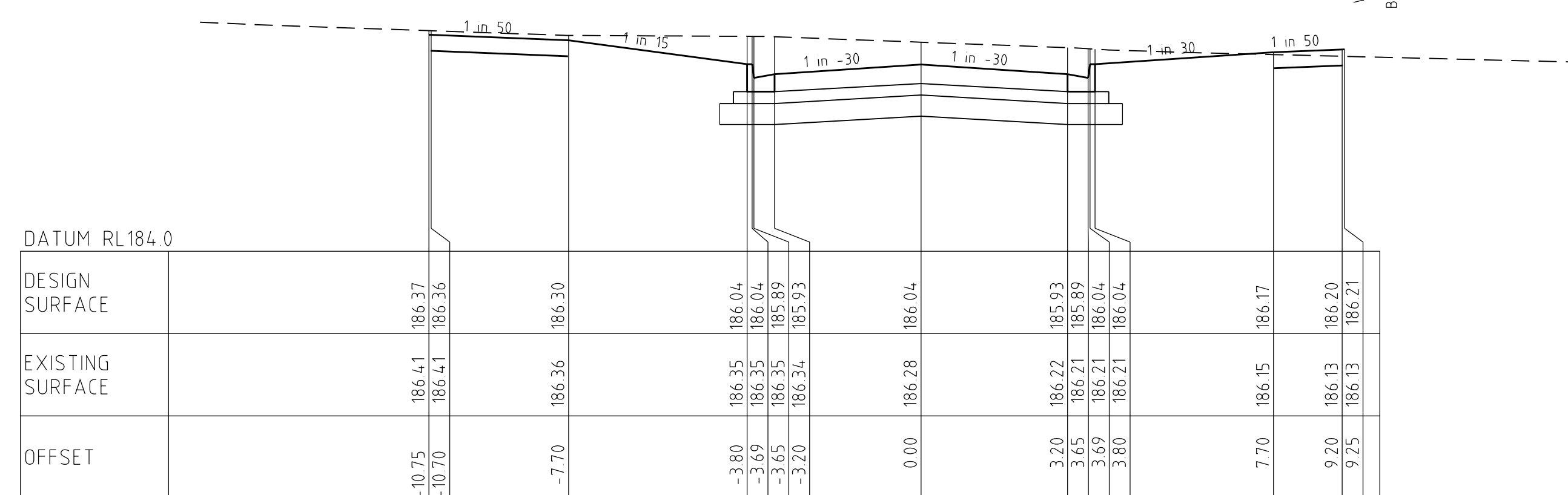
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TREETON DRIVE

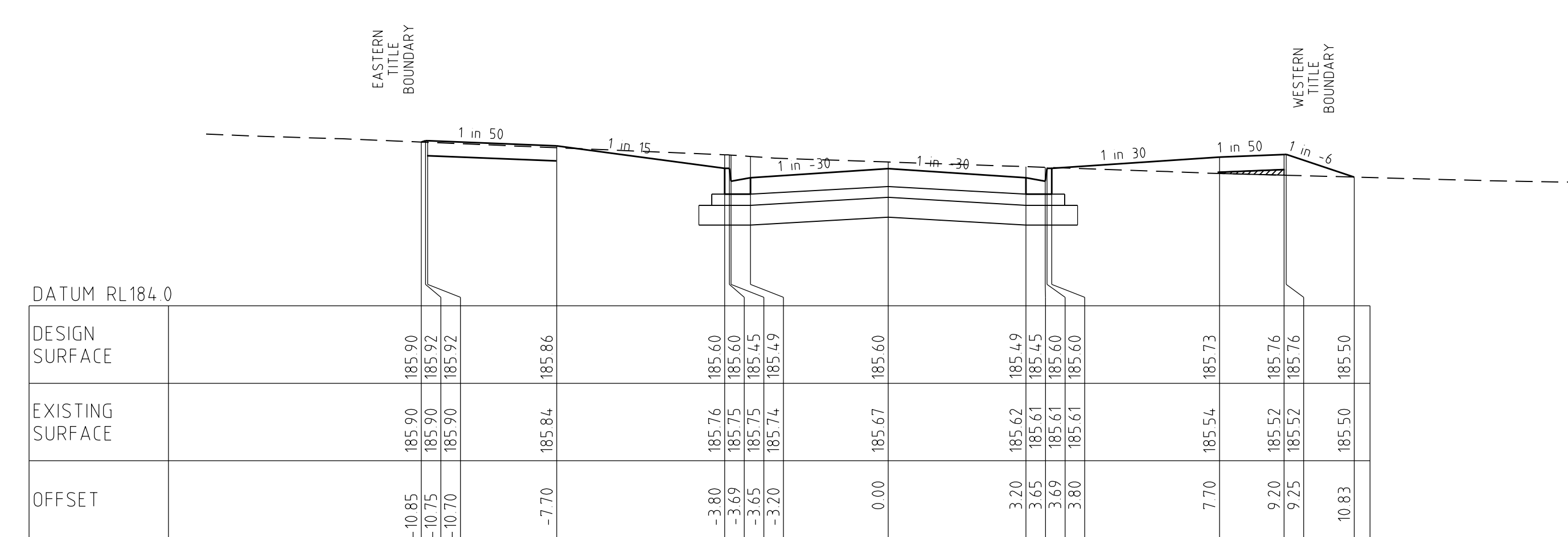
CROSS SECTIONS
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6231



9550

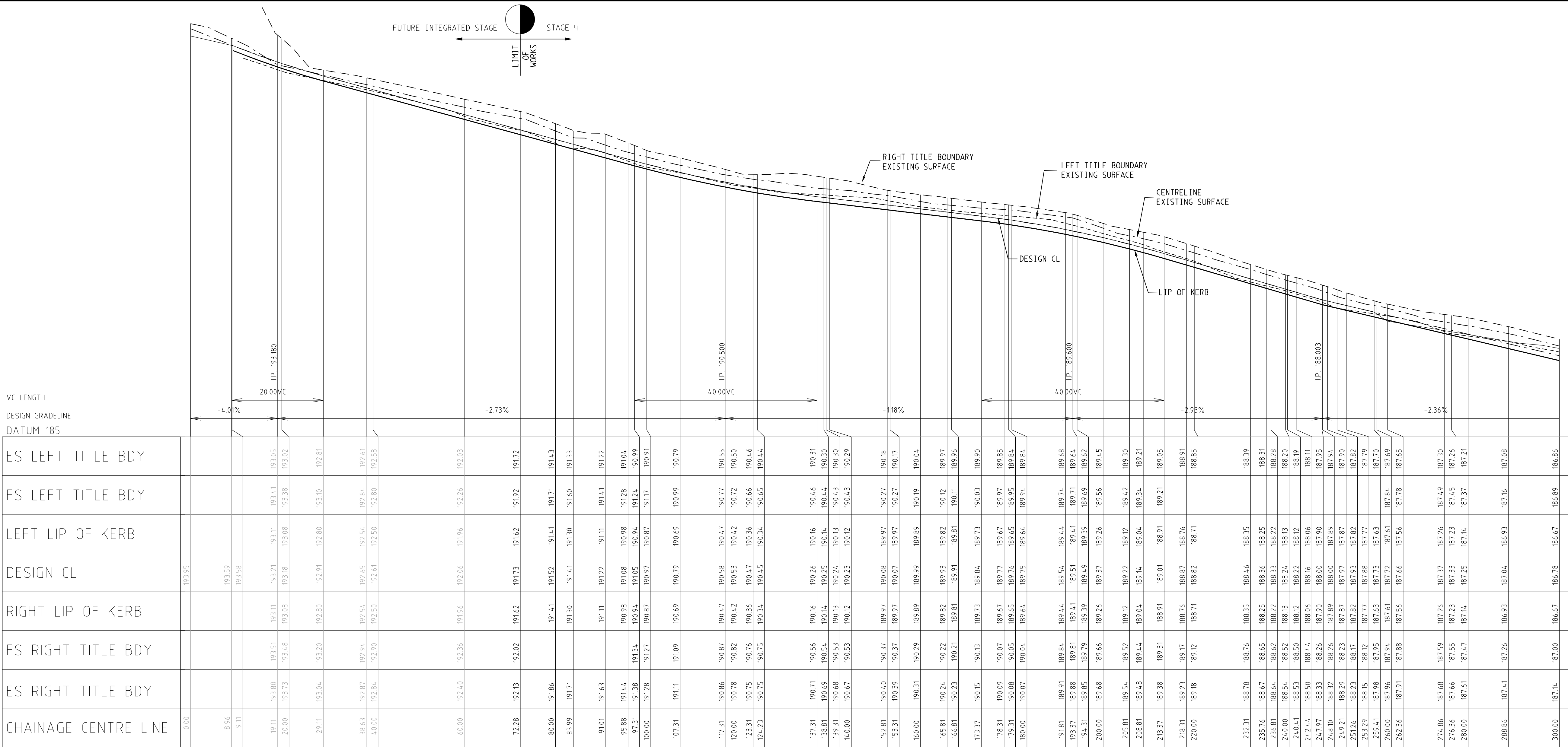


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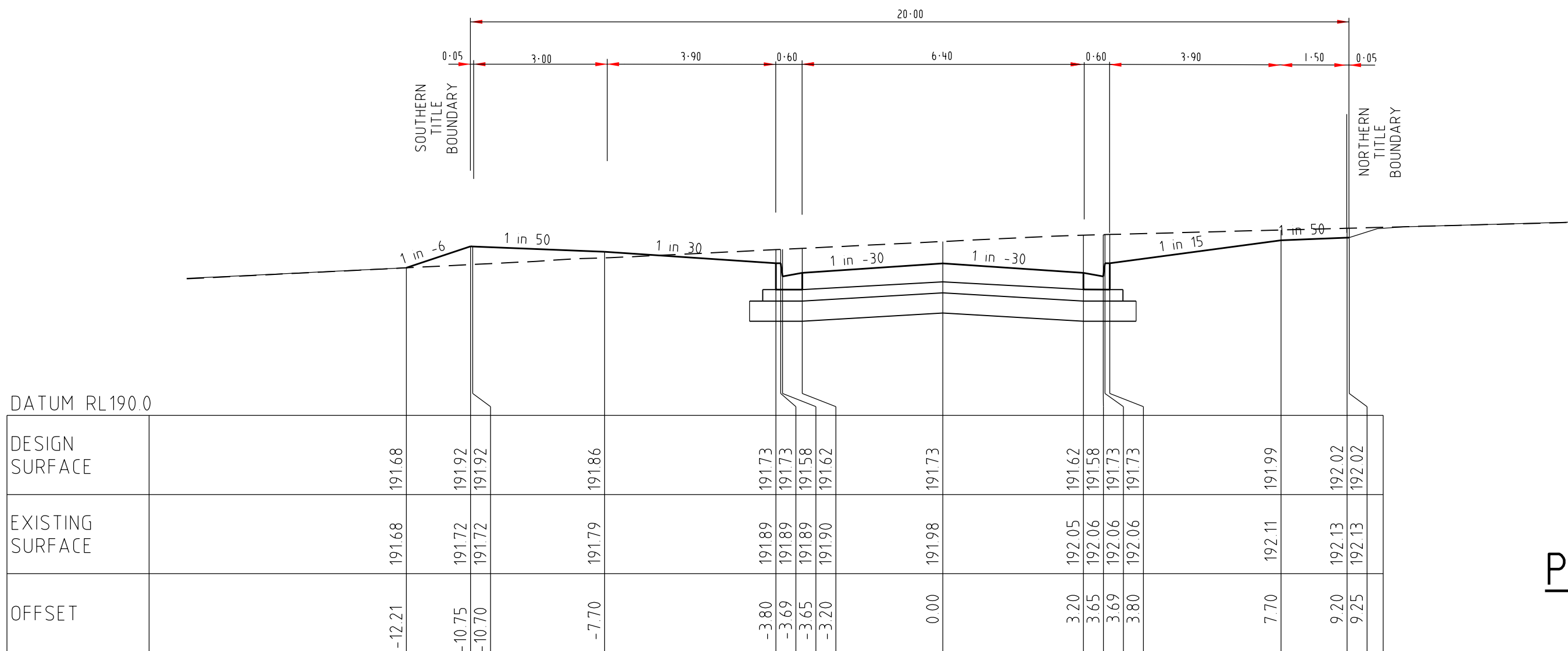
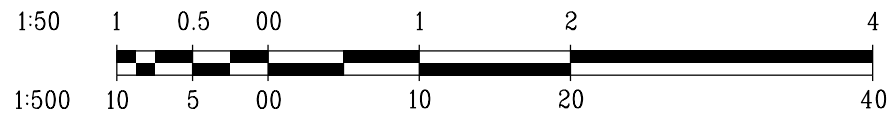
CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION NO. PS803931Y/S4
02/07/2018
DATE APPROVED

CRUSHED ROCK BACKFILL

AMENDMENTS				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. 388-C-10	RATHDOWNE ESTATE STAGE 4 TREETON DRIVE	MUNICIPALITY WHITTLESEA REFERENCE 9365 E/4	
			SURVEY SPIIRE				
			DESIGN RGW				
			DRAWN RGW				
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE APR '18	SHEET 11 OF 25



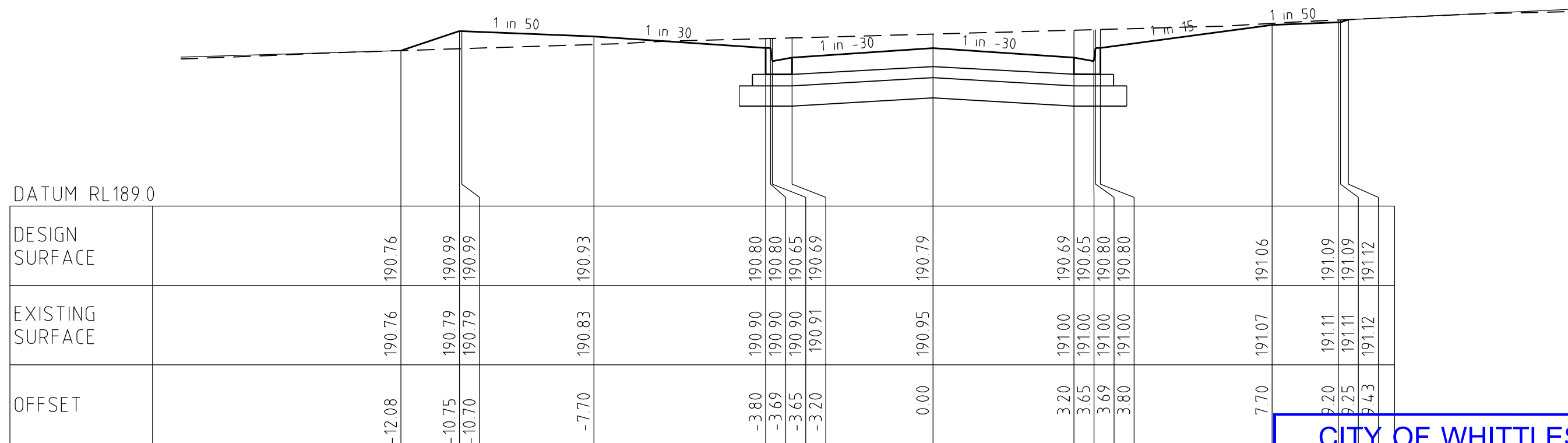
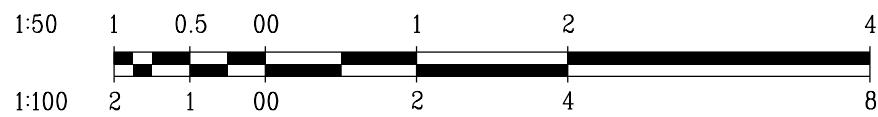
LONGITUDINAL SECTION
SCALE HORIZONTAL 1:500
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Ch 72.28

PORTOFINO WAY

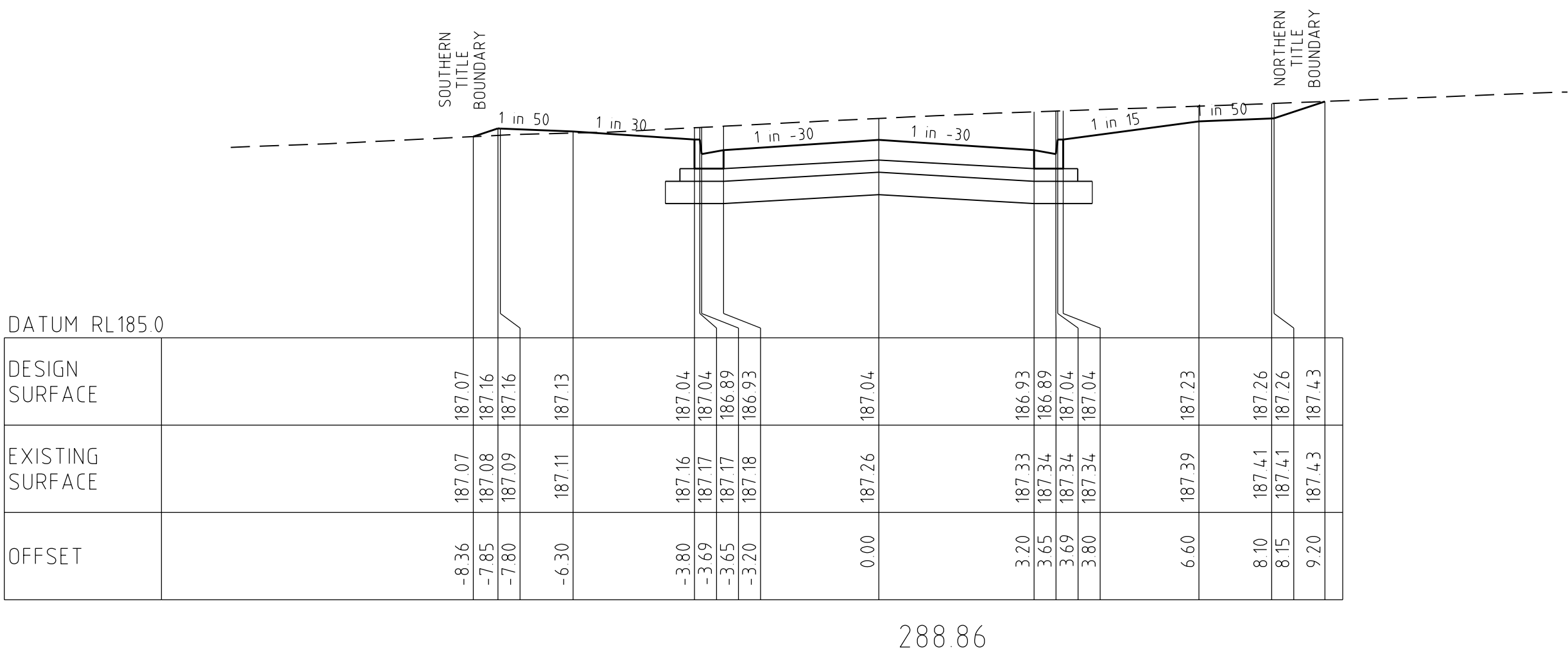
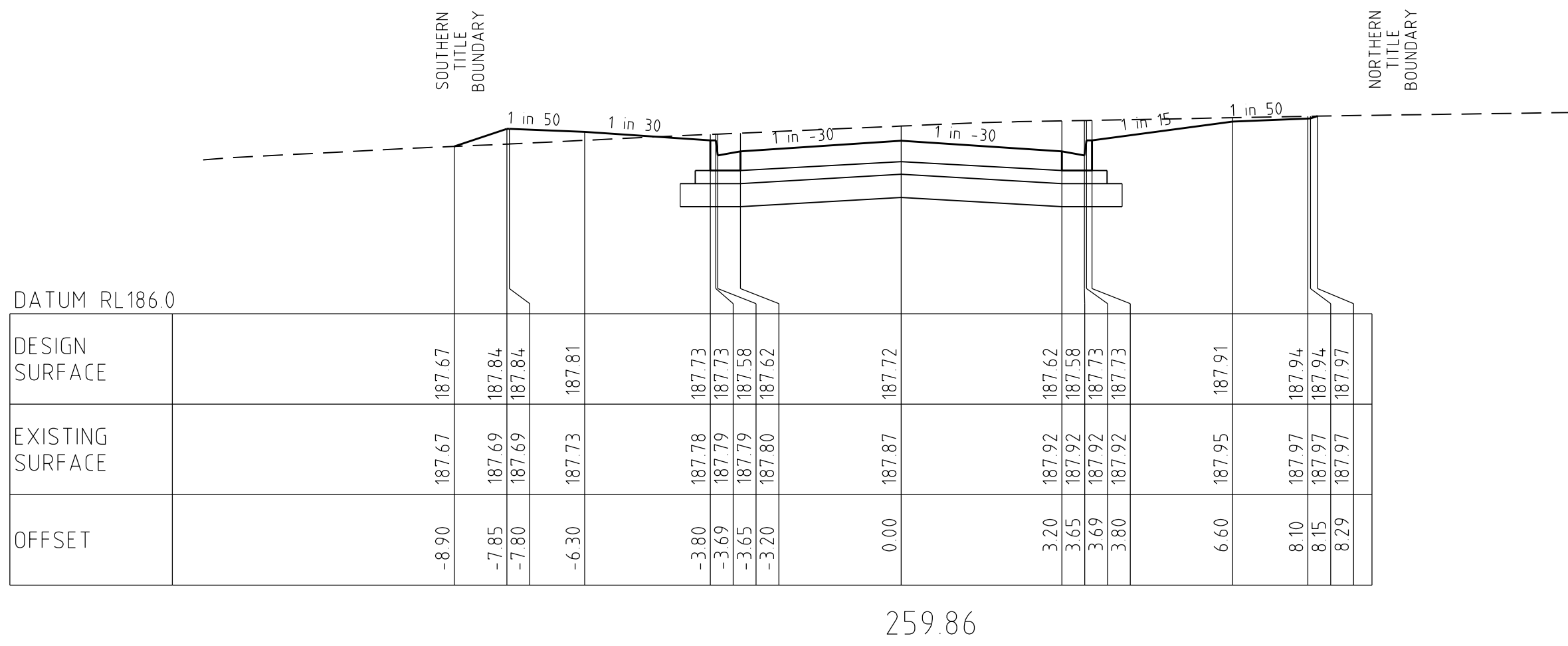
CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50



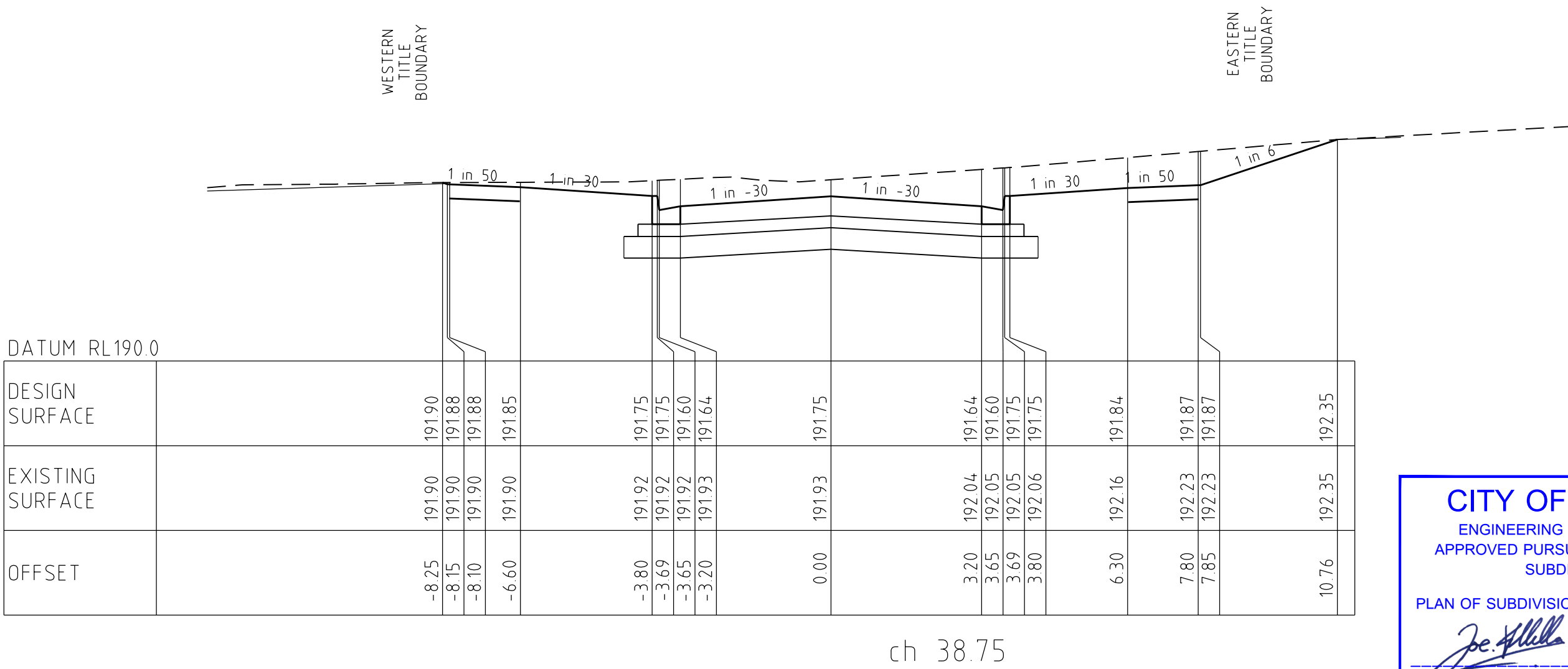
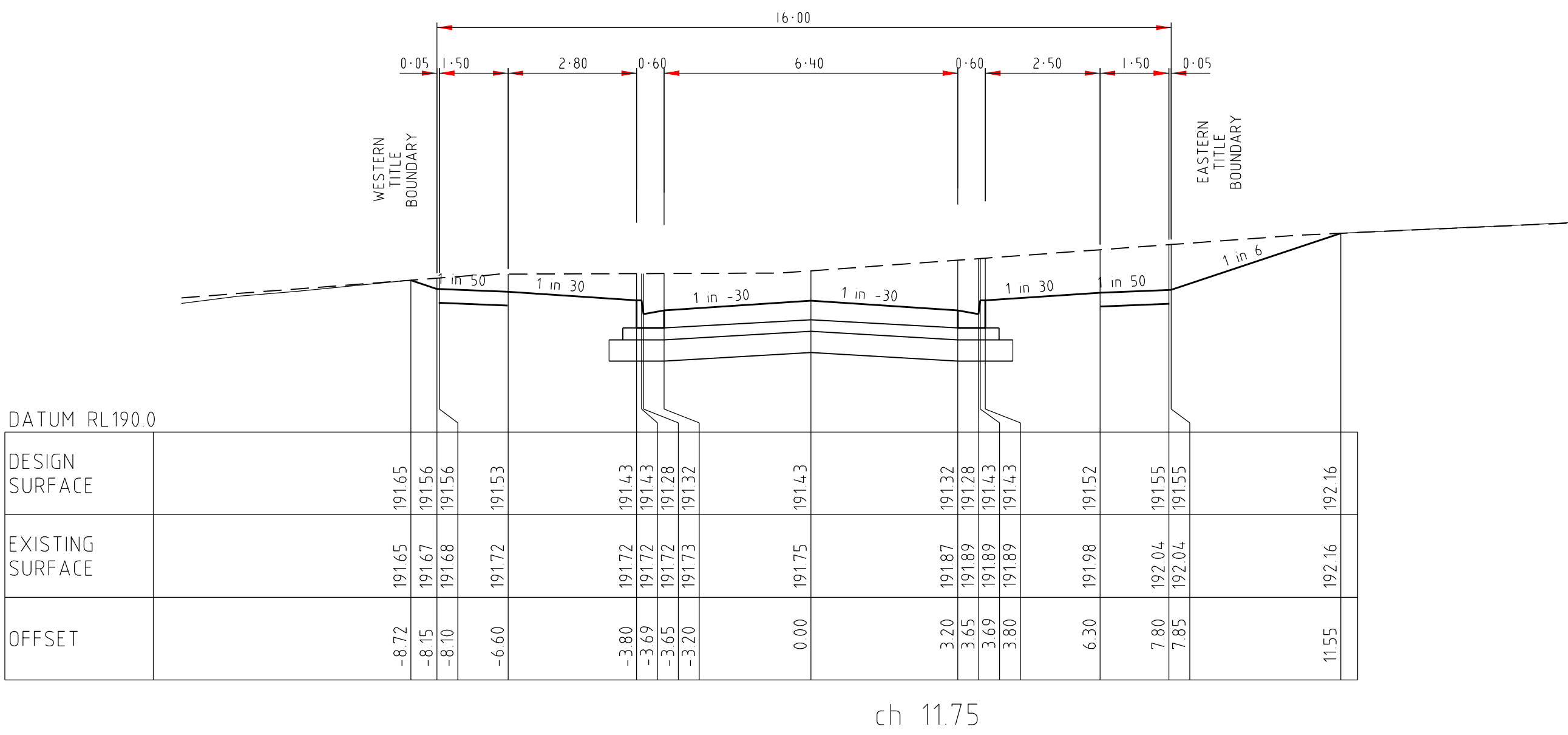
Ch 107.31

CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS803931Y/S4
02/07/2018
DATE APPROVED

AMENDMENTS		bpd		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 coto street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
VER		DATE		CHECKED		SCALE AS SHOWN	
						DATUM AHD	
						DATE APR '18	
						SHEET 13 OF 25	
						P4	
						MUNICIPALITY WHITTLESEA	
						REFERENCE 9365 E/4	
						J:\V\9365\Eng\Stage 4\ENR1\1.PML\515.dgn	



PORTOFINO WAY



CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS803931Y/S4

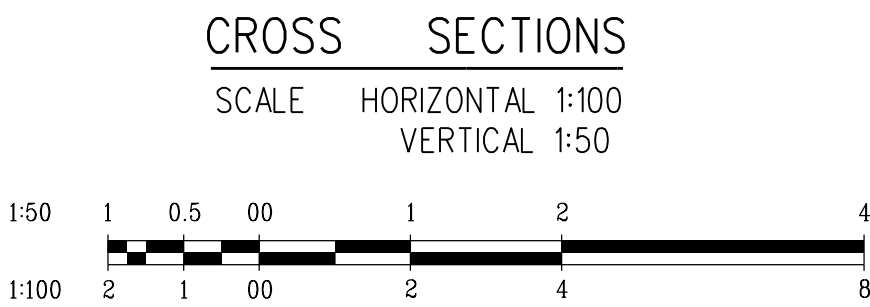
DEVELOPMENT ENGINEER

02/07/2018

DATE APPROVED

CRUSHED ROCK BACKFILL

VARANASSI DRIVE



AMENDMENTS

VER	DATE	REMARKS

breese pitt dixon pty. ltd.

land surveyors

civil engineers

MELWAY REF. 388-C-10

SURVEY SPIIRE

DESIGN RGW

DRAWN RGW

RATHDOWNE ESTATE

STAGE 4

PORTOFINO WAY / VARANASSI DRIVE

MUNICIPALITY WHITTLESEA

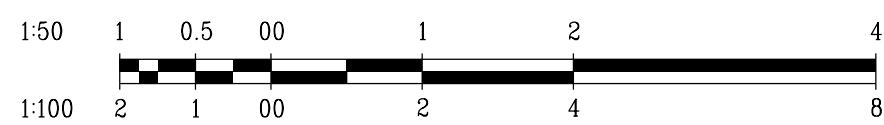
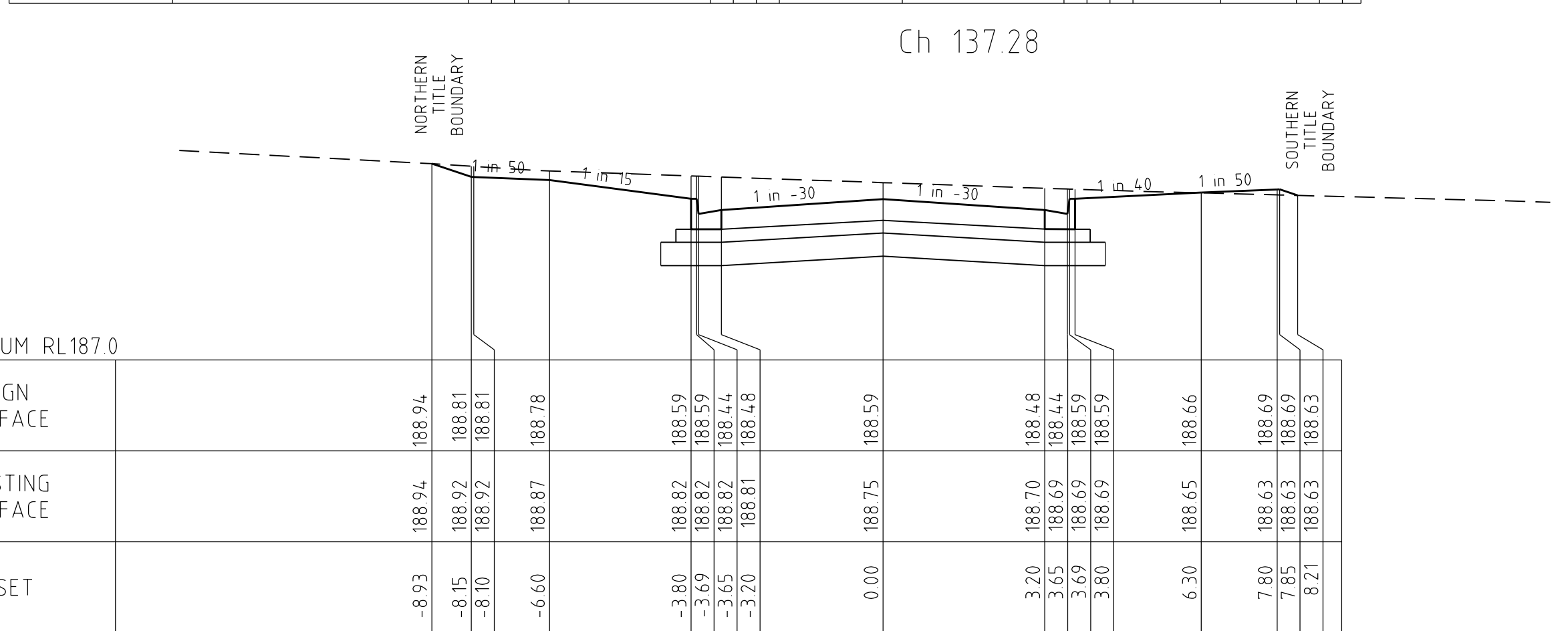
REFERENCE 9365 E/4

DATE APR '18

SHEET 15 OF 25

P4

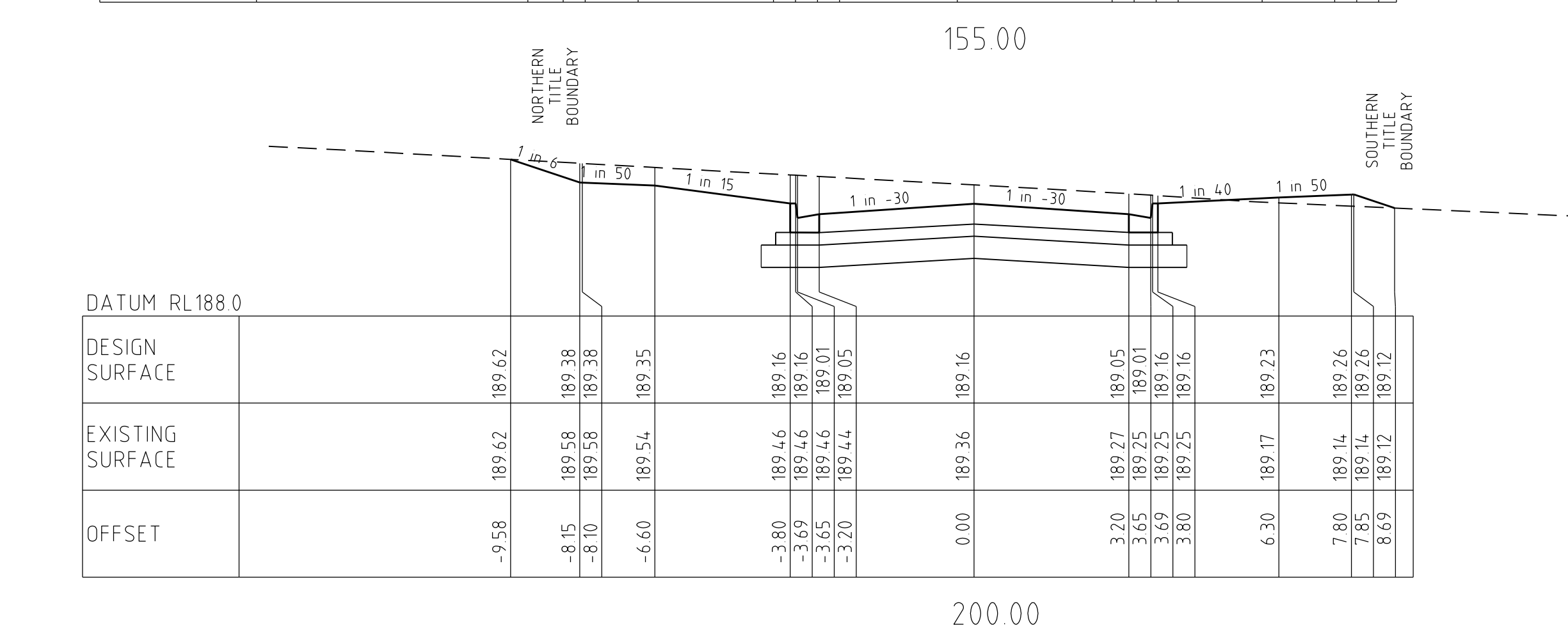
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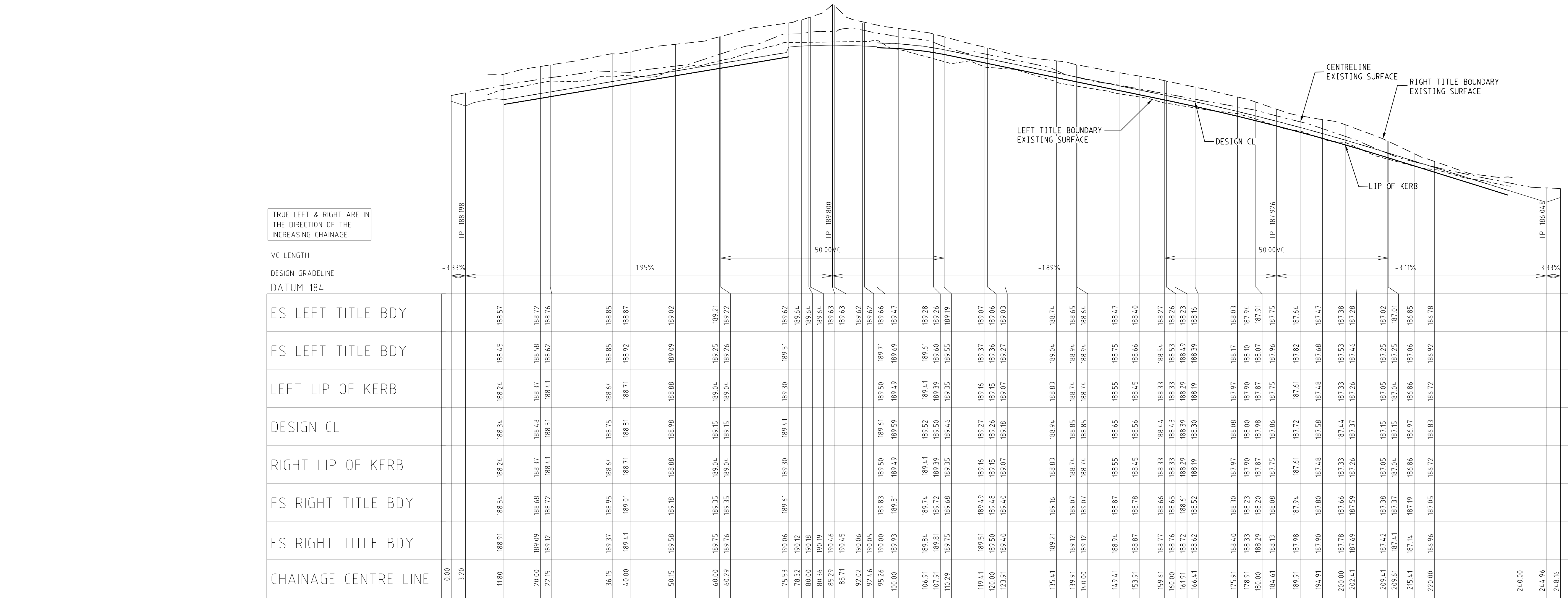


NEWRY STREET

CROSS SECTIONS

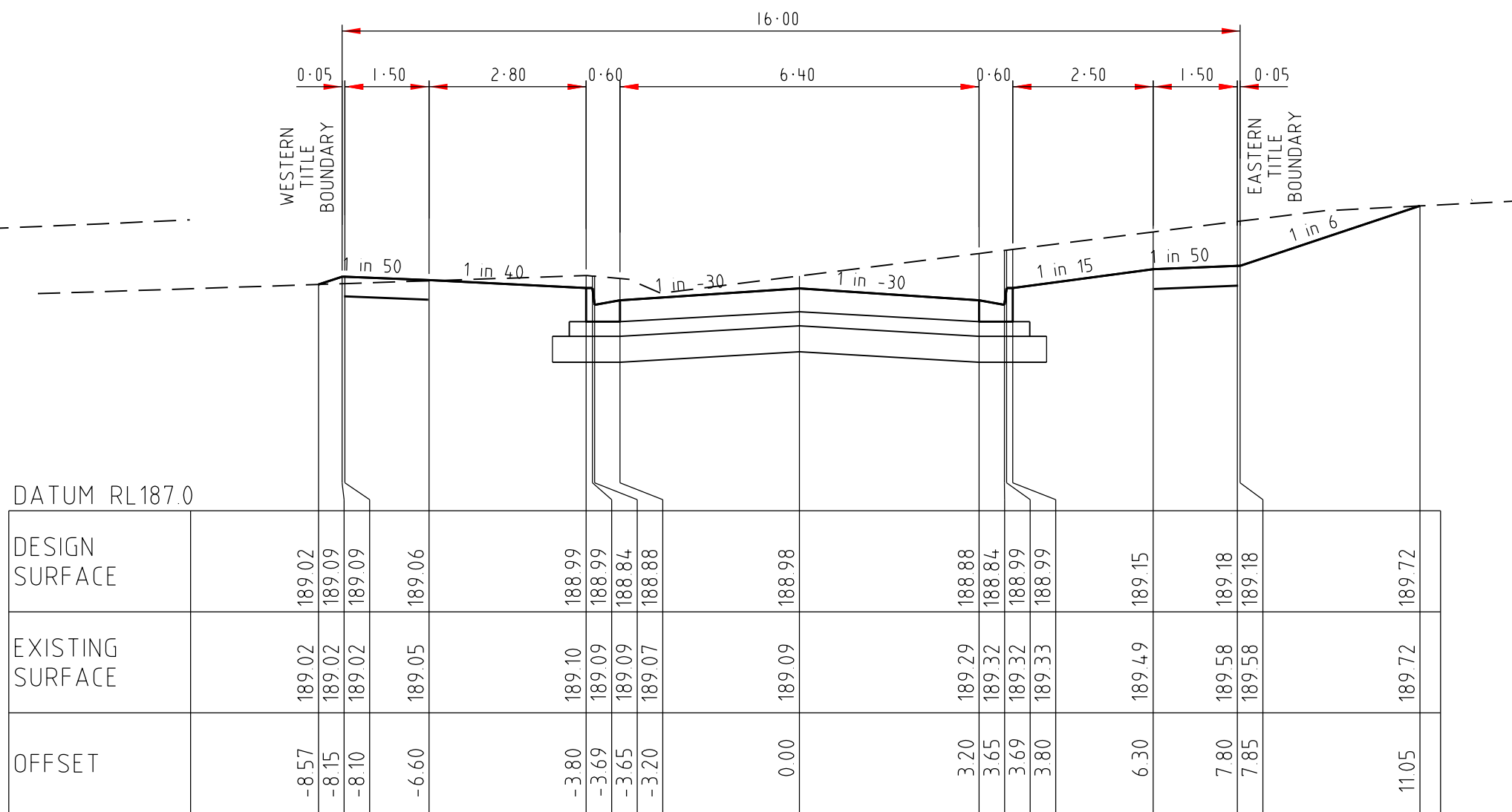
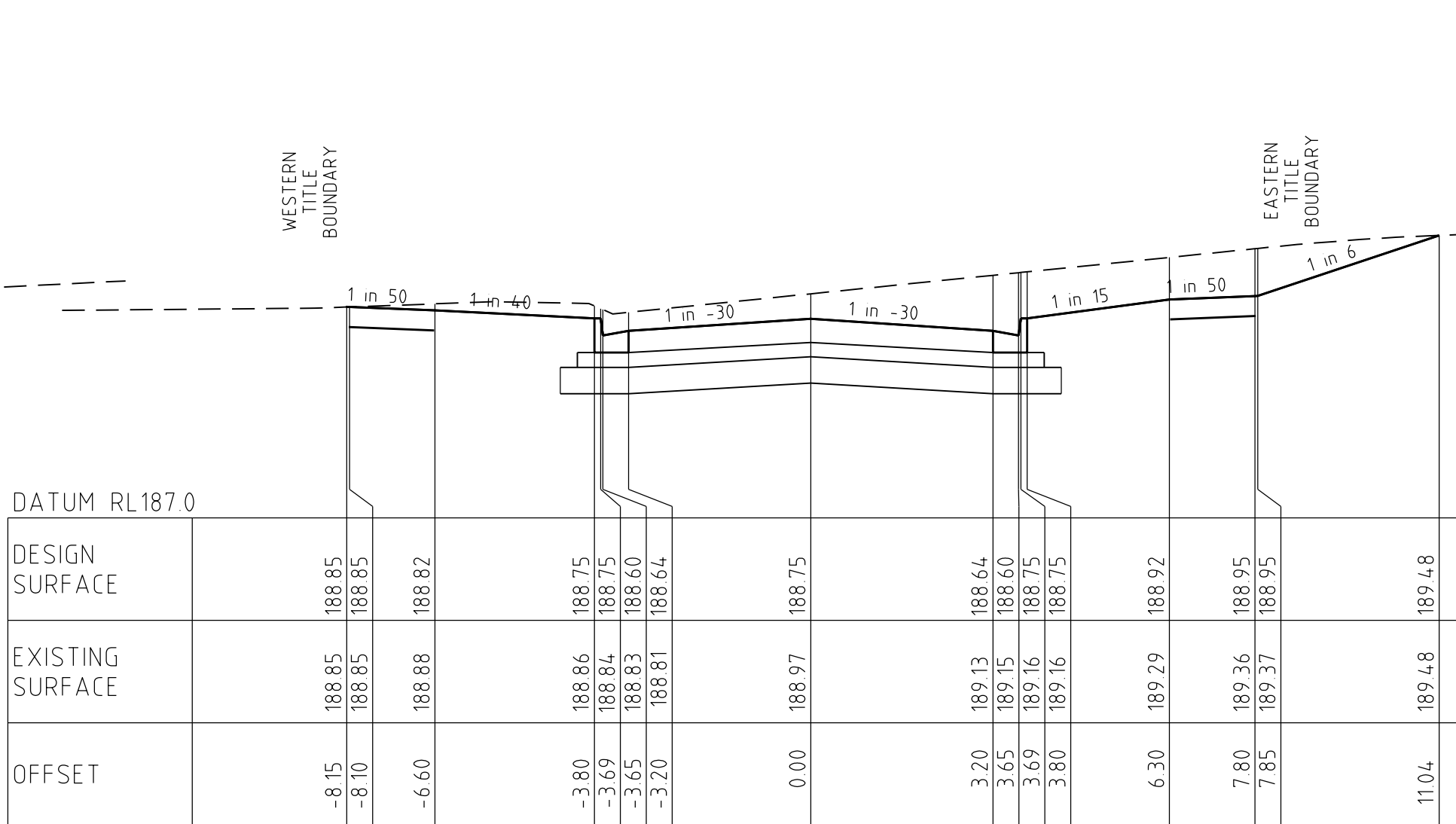
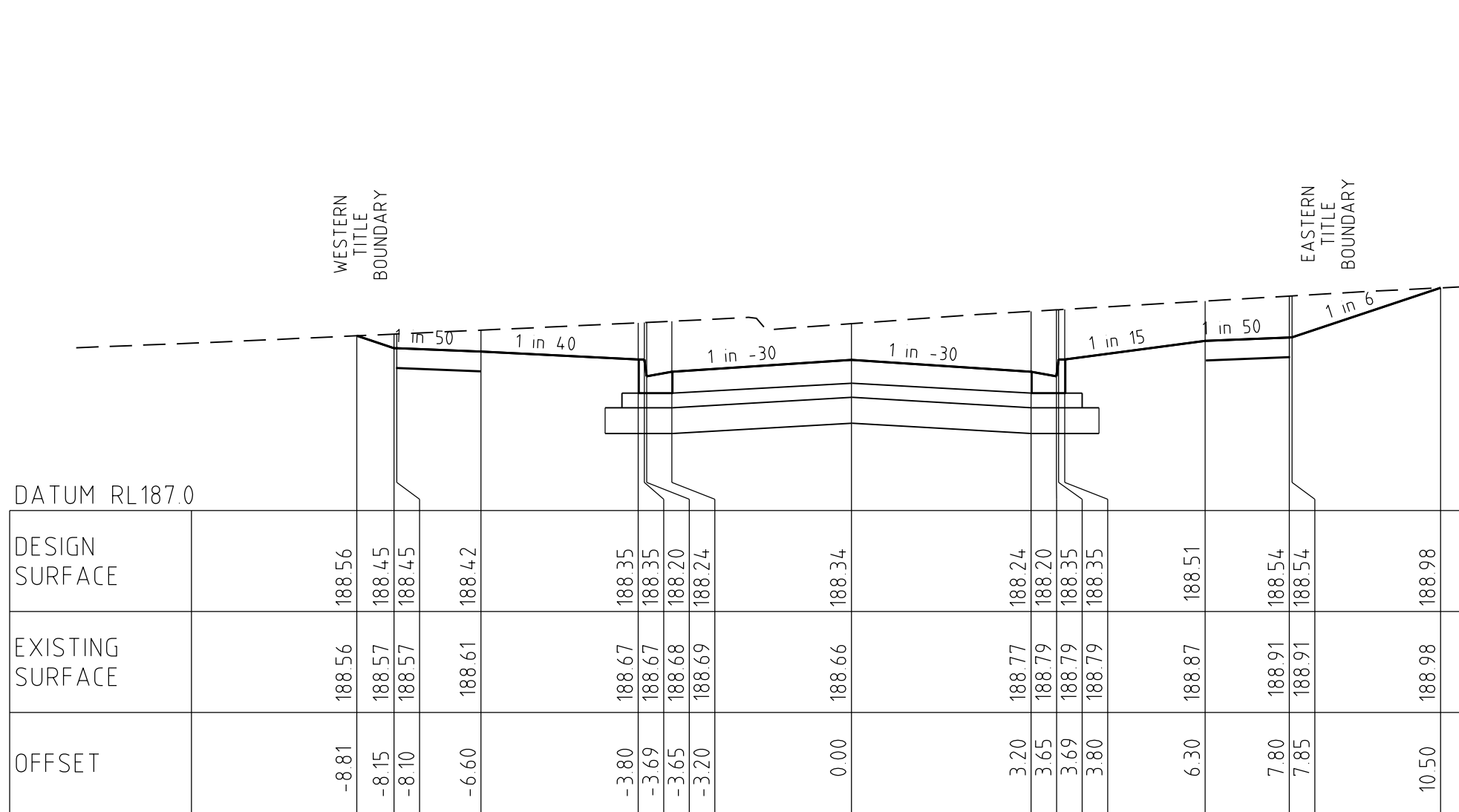
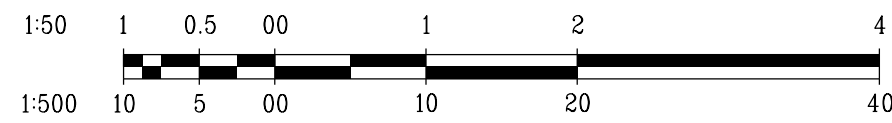
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LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500
VERTICAL 1:50



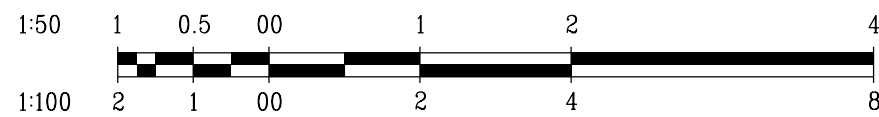
TIERRA CIRCUIT

CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50



CRUSHED ROCK BACKFILL



CITY OF WHITTLESEA
ENGINEERING PLANS & SPECIFICATIONS
APPROVED PURSUANT TO SECTION 15 OF THE
SUBDIVISION ACT 1988
PLAN OF SUBDIVISION No. PS803931Y/S4
02/07/2018
DATE APPROVED



breese pitt dixon pty. ltd.
land surveyors
civil engineers

1/19 coto street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

RATHDOWNE ESTATE
STAGE 4
TIERRA CIRCUIT

MUNICIPALITY
WHITTLESEA
REFERENCE
9365 E/4

AMENDMENTS			
VER.	DATE	REMARKS	

MELWAY REF.	388-C-10
SURVEY	SPIIRE
DESIGN	RGW
DRAWN	RGW

CHECKED

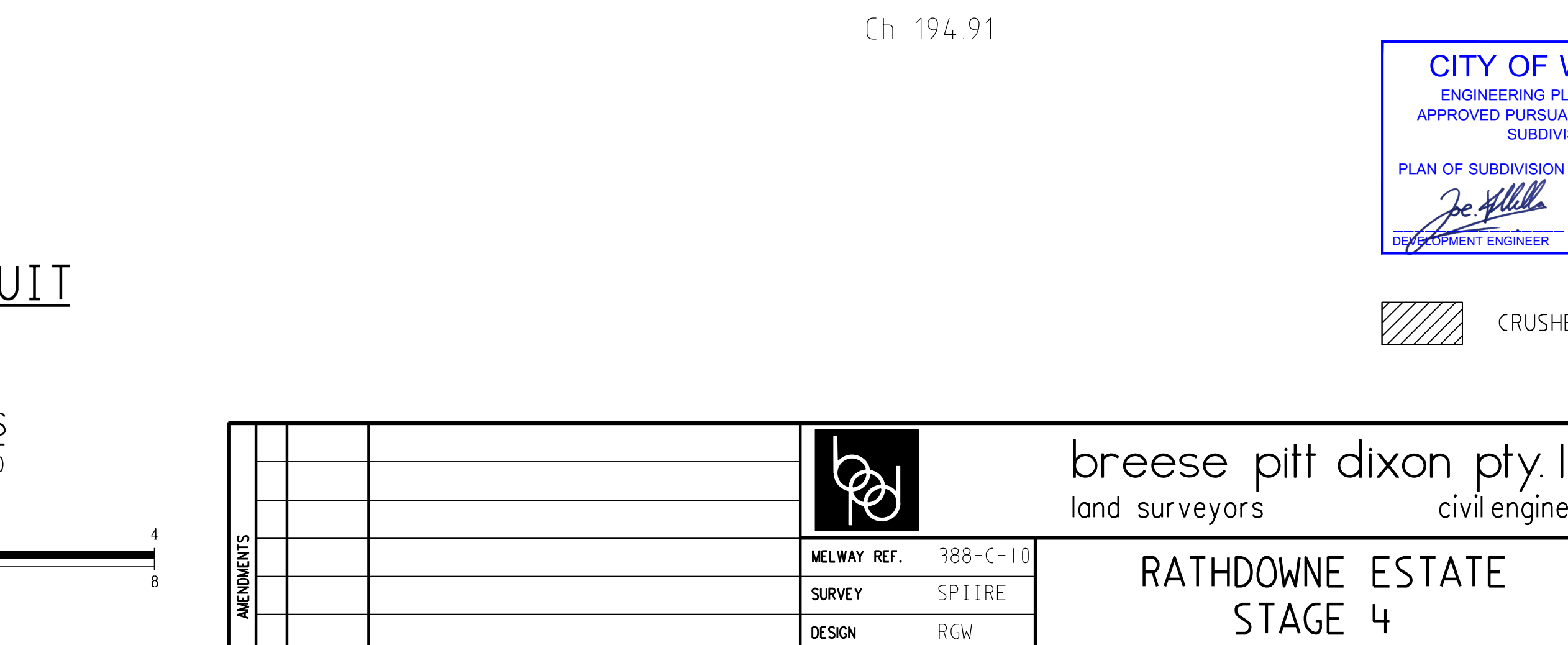
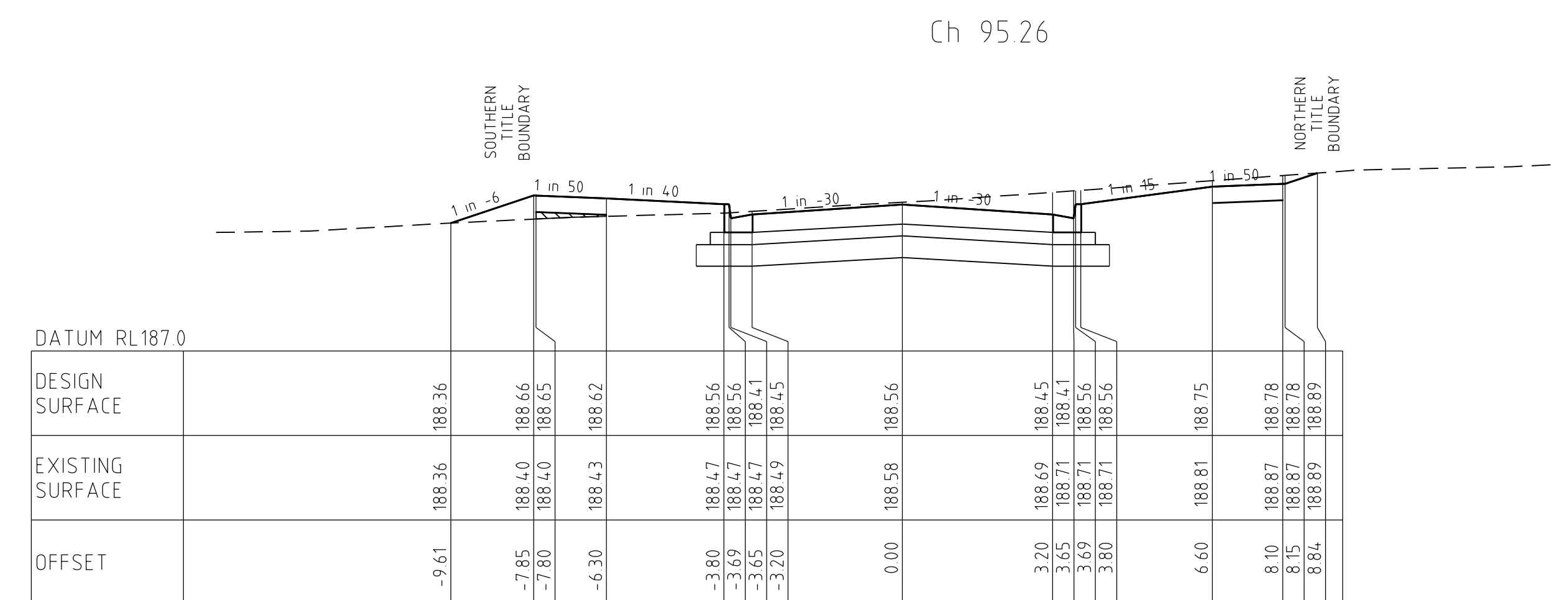
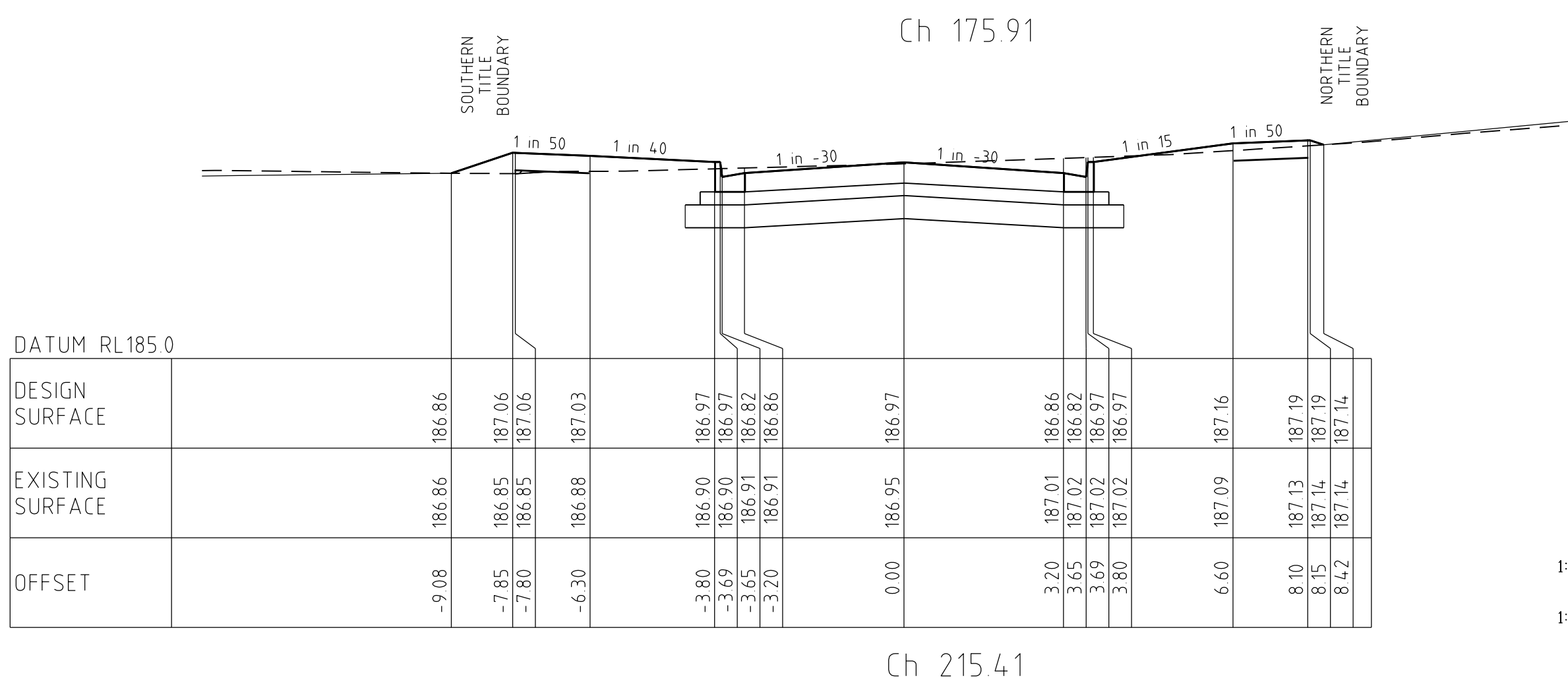
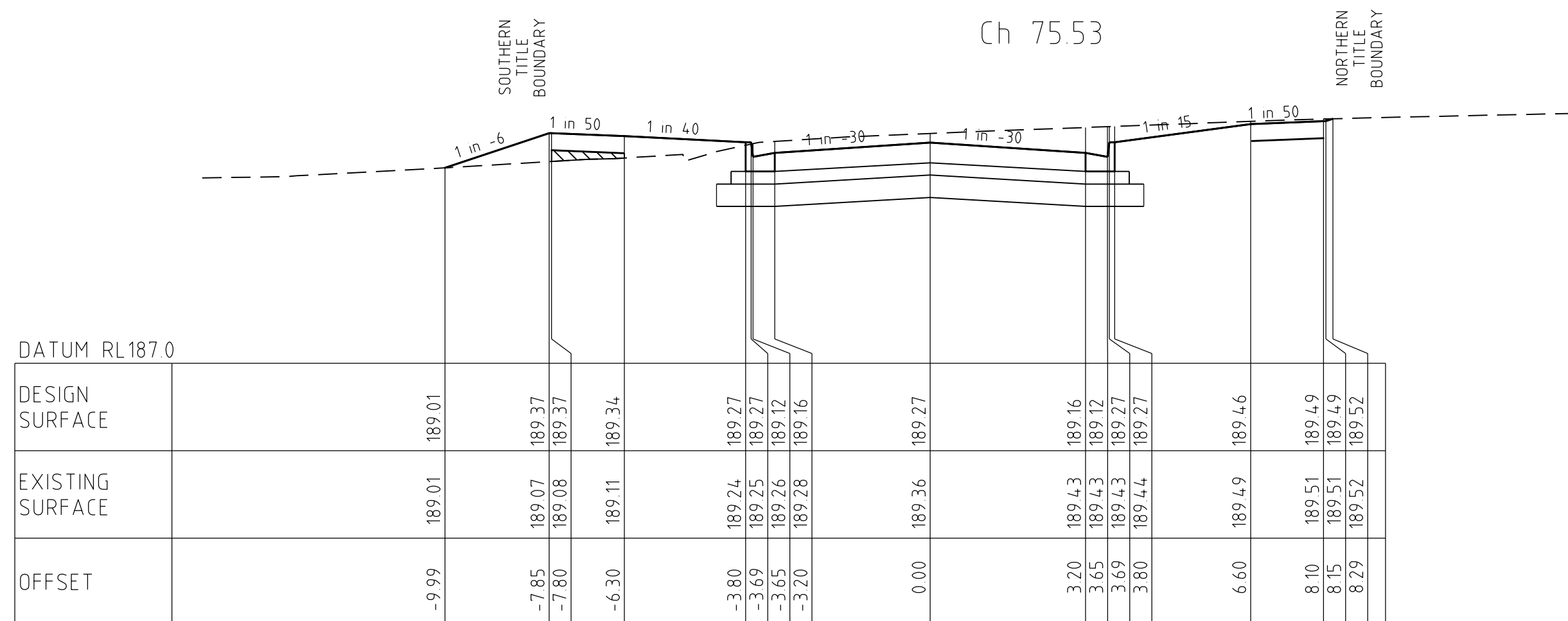
SCALE AS SHOWN

DATUM AHD

DATE APR '18

SHEET 18 OF 25

P4



CROSS SECTIONS

SCALE HORIZONTAL 1:100
 VERTICAL 1:50

The graphic scale bar consists of two horizontal lines. The top line is labeled '1:50' at the left end and has tick marks at 1, 0.5, 00, 1, 2, and 4. The bottom line is labeled '1:100' at the left end and has tick marks at 2, 1, 00, 2, 4, and 8. The segments between tick marks are alternating black and white.

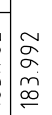
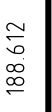
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
				MELWAY REF.	388-C-10		RATHDOWNE ESTATE STAGE 4 TIERRA CIRCUIT			MUNICIPALITY			
			SURVEY	SPIIRE		WHITTLESEA							
			DESIGN	RGW		REFERENCE							
			DRAWN	RGW		9365 E/4							
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	APR '18	SHEET	19 OF 25	P4

 CRUSHED ROCK BACKFILL

365 E/4

19 OF 25

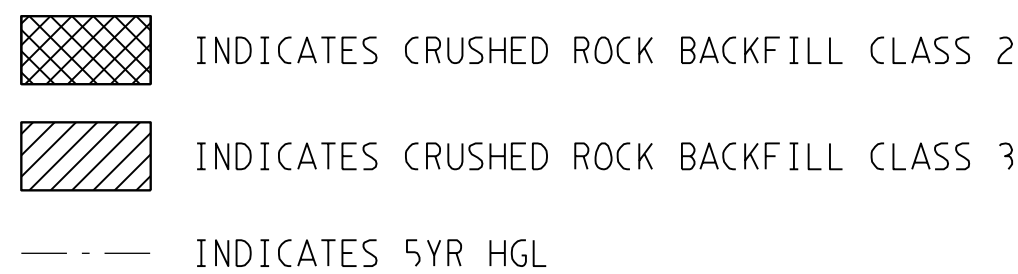
P4



1. WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x 600mm.

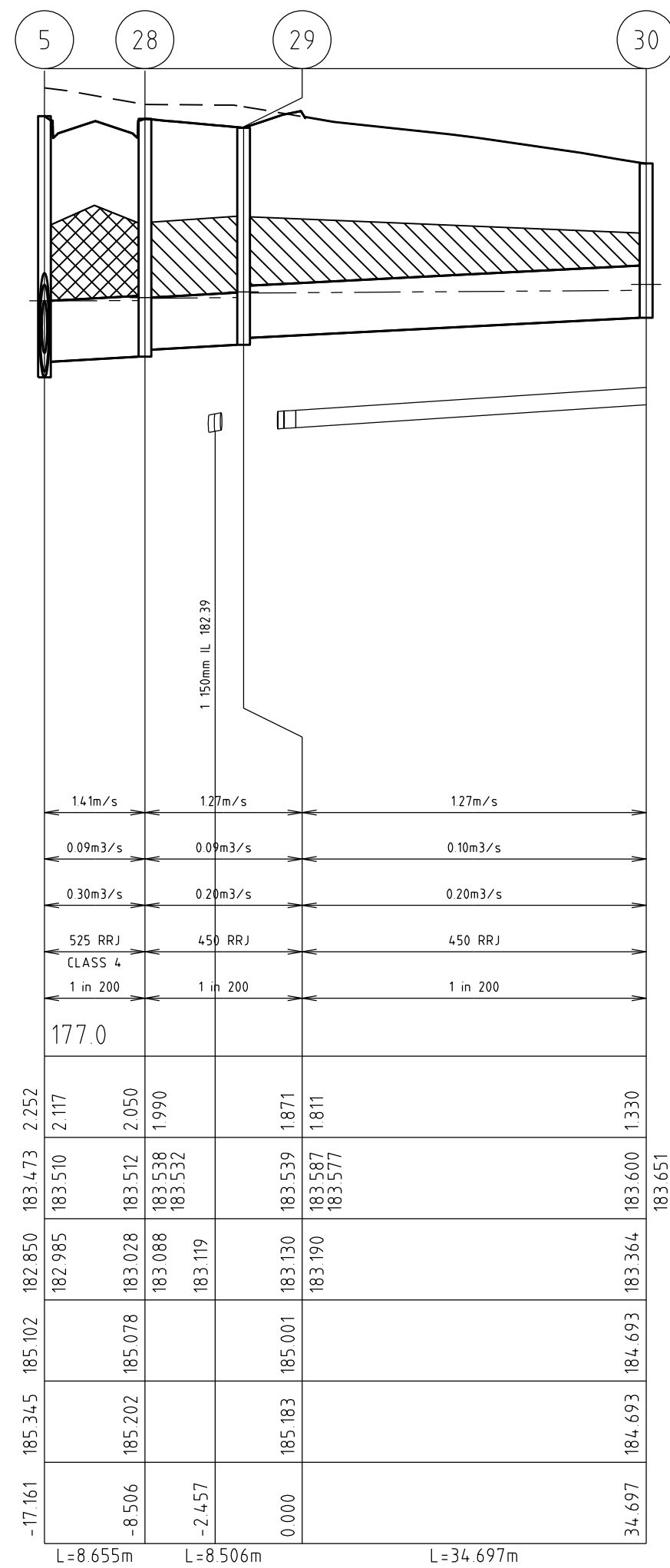
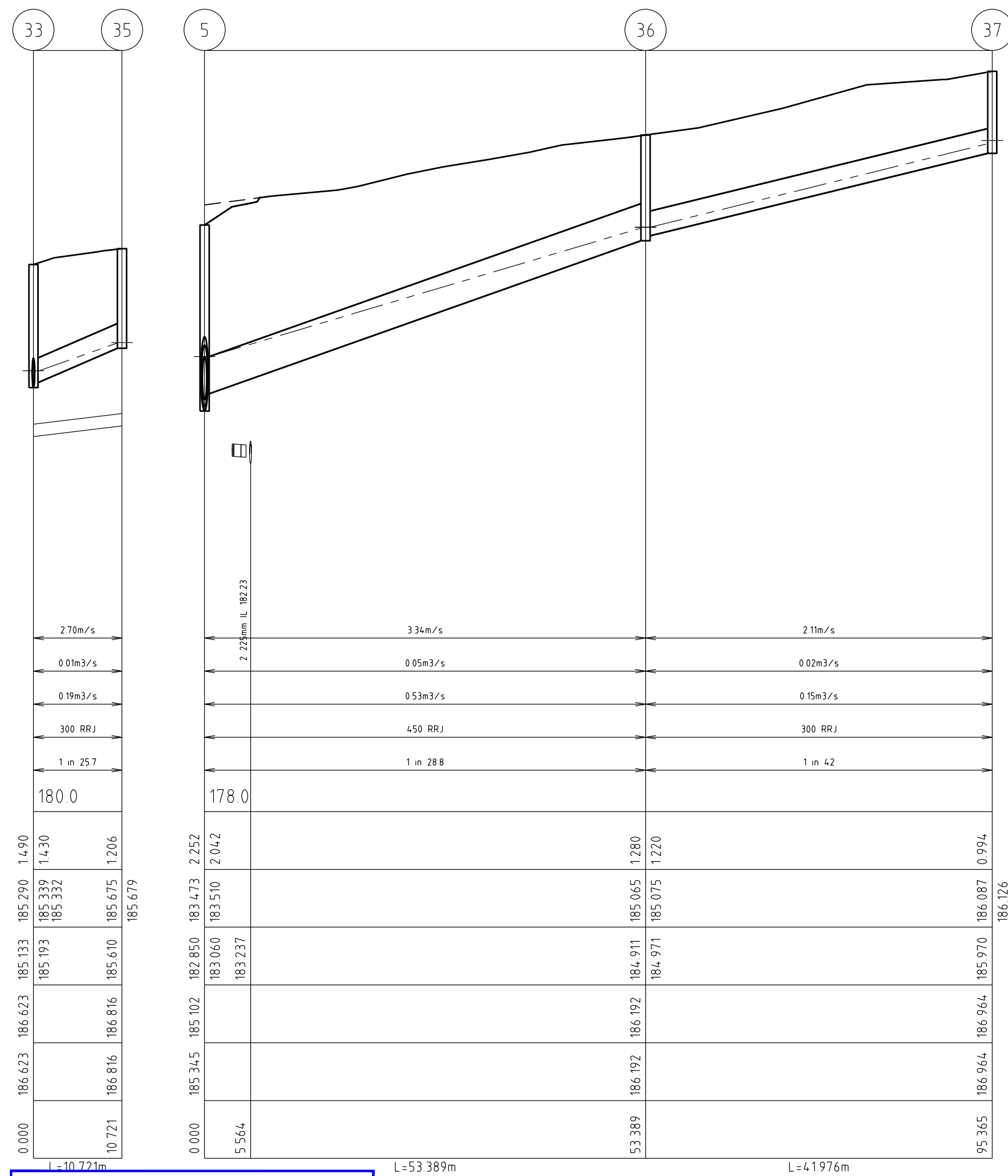
3. PROVIDE BICYCLE SAFE "V" SHAPED CLASS D GRATE (600mm MIN WIDTH).

SCALE HORIZONTAL 1:500
 VERTICAL 1:50



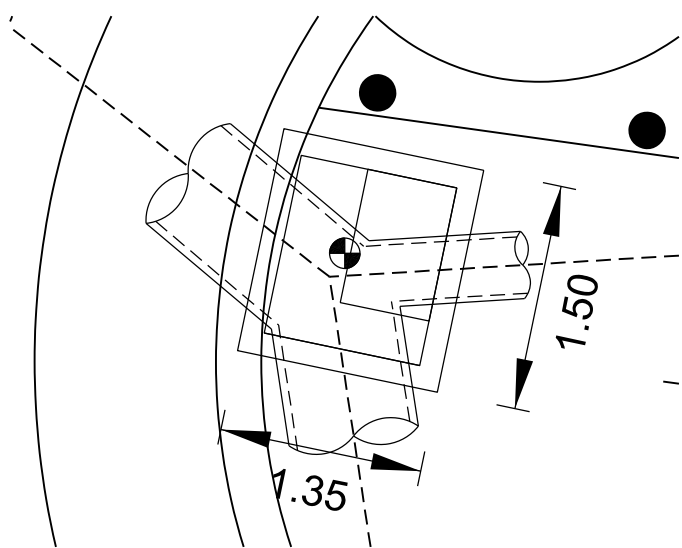
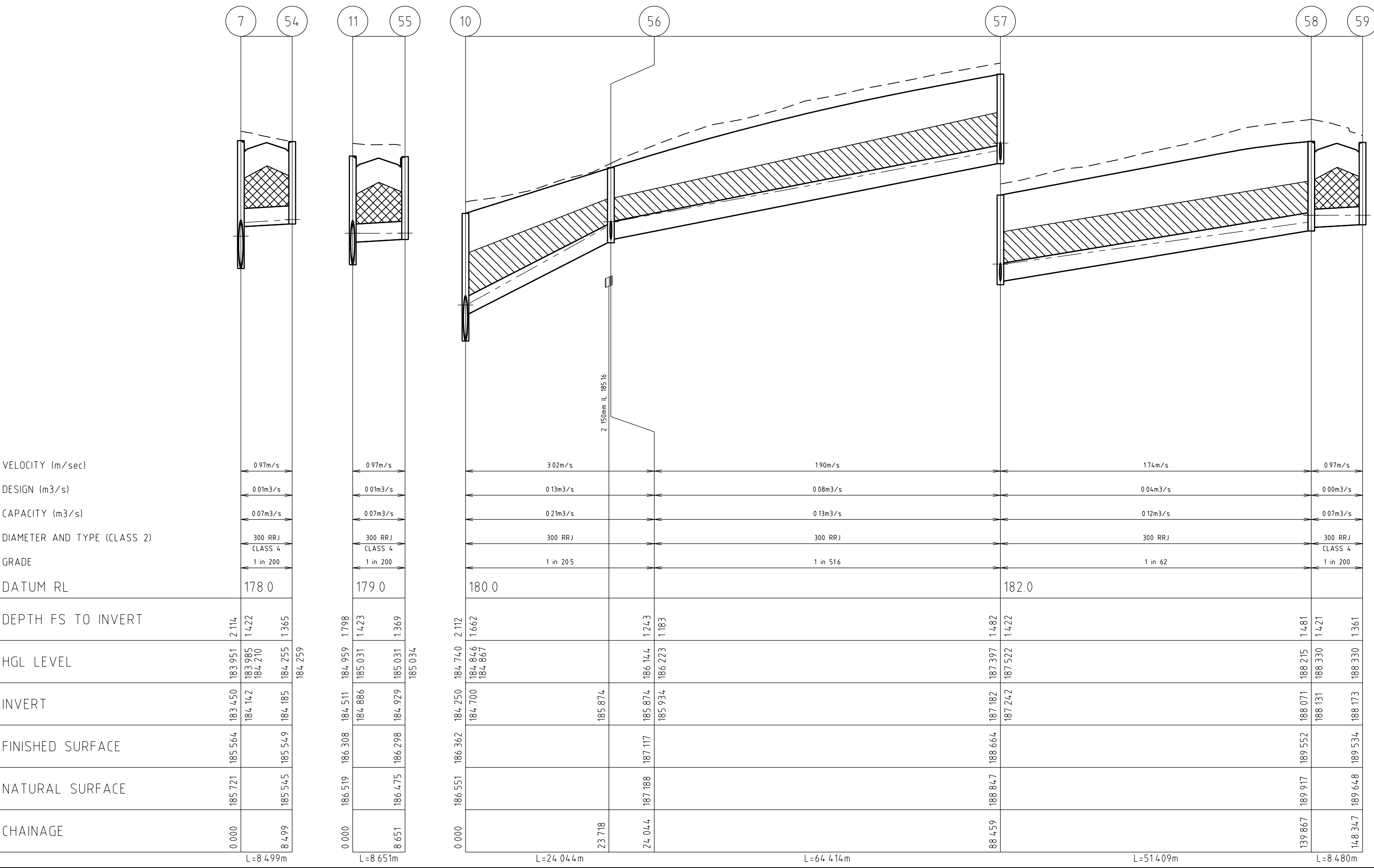
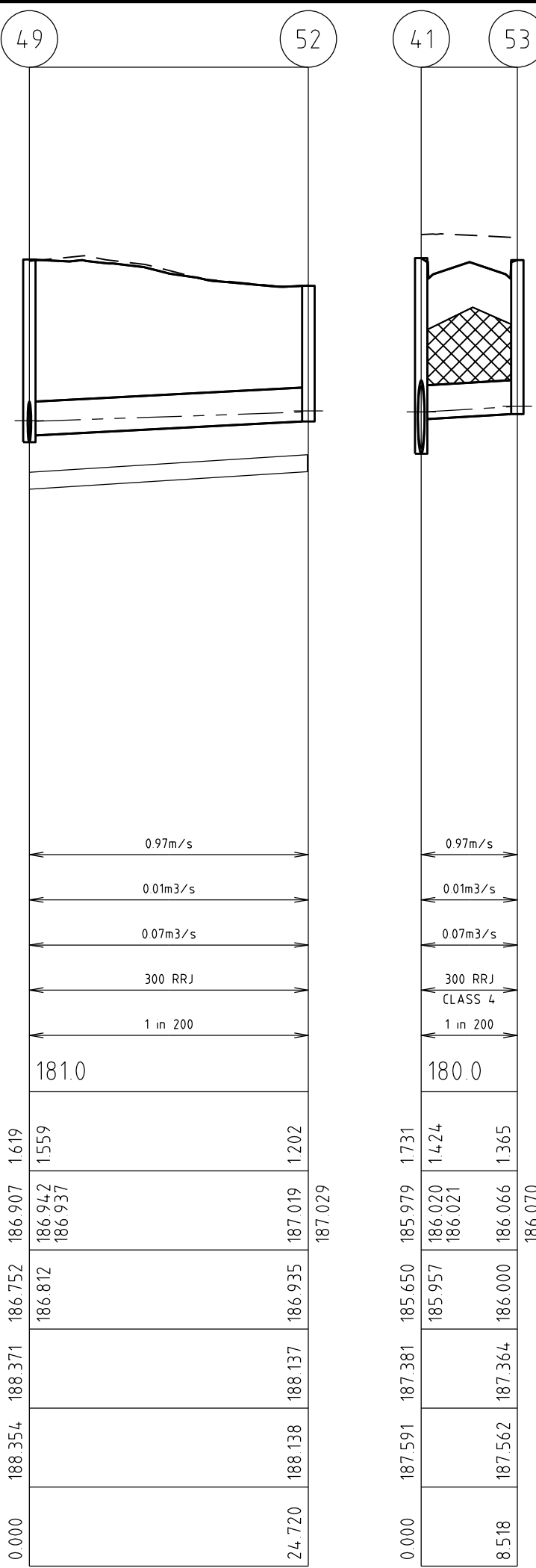
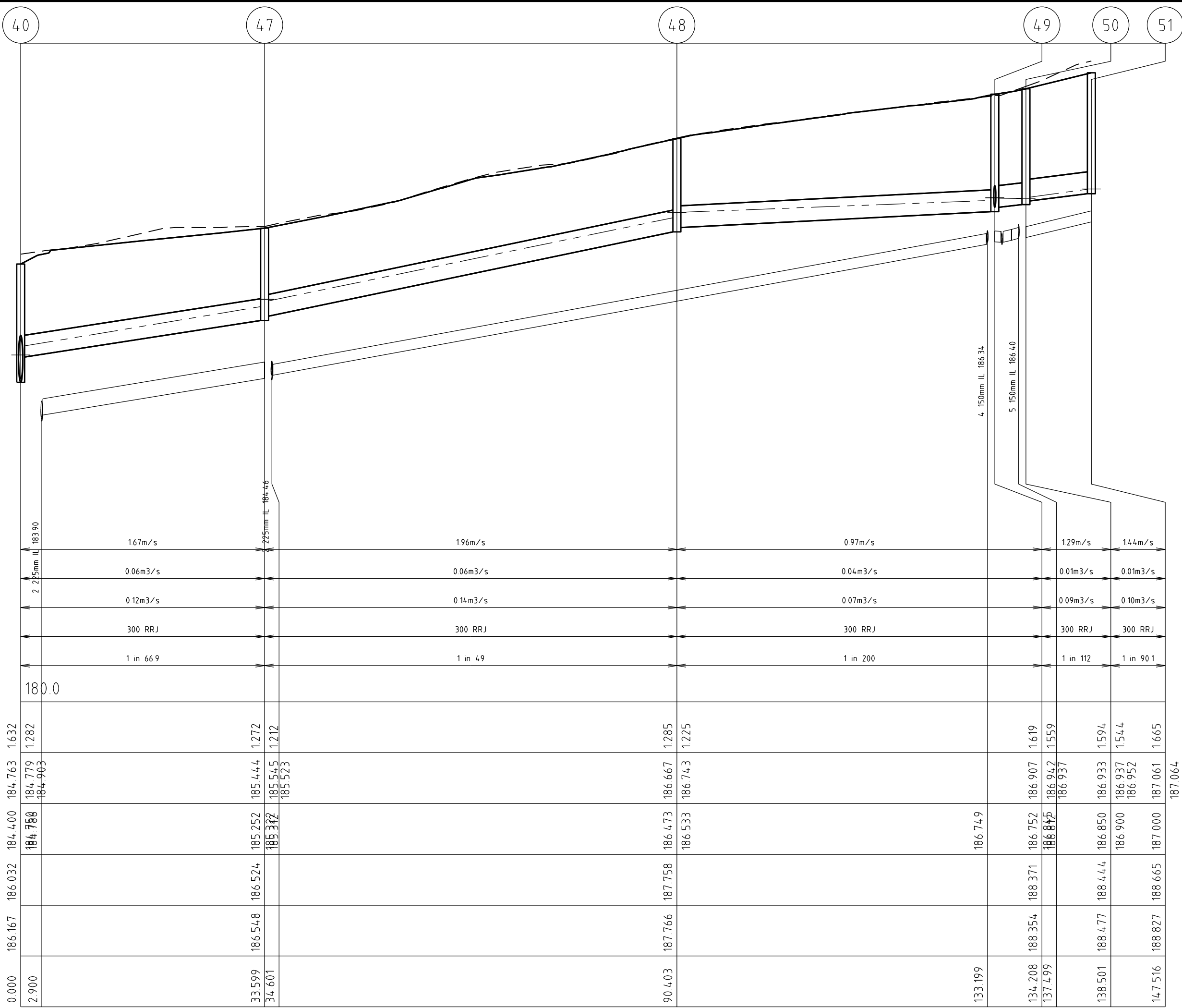
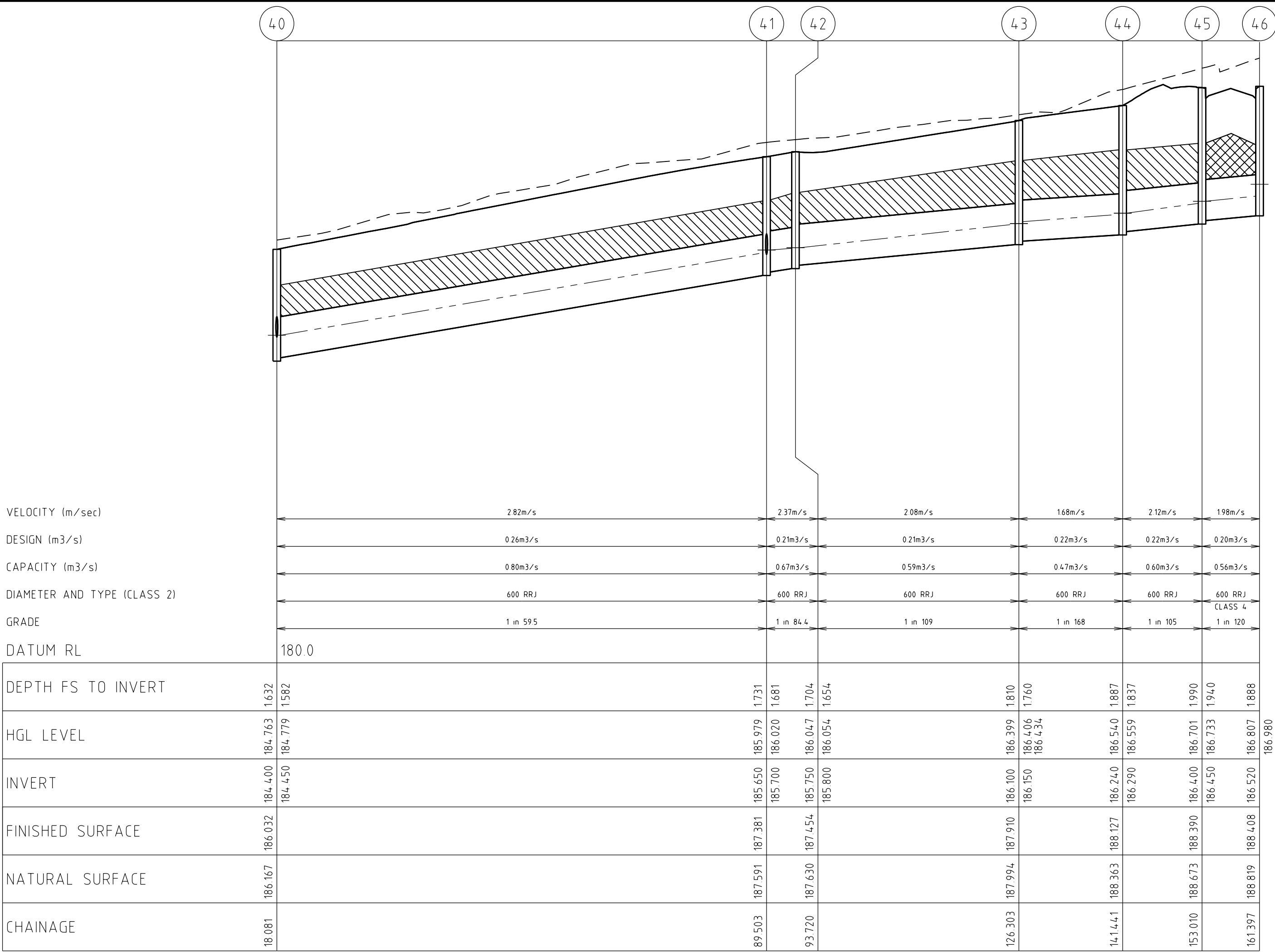
4

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— - — INDICATES 5YR HGL

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PIT 71 DETAILS
SCALE 1:50

PIT SCHEDULE

PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP PIT RL	DEPTH INVERT	REMARKS
				INVERT	DIA	INVERT	DIA			
53	GRATED ENTRY PIT (B2)	900	600			186.00	300	187.36	1.37	GAA STD DWG 012
54	GRATED ENTRY PIT (B2)	900	600			184.19	300	185.55	1.37	GAA STD DWG 012
55	GRATED ENTRY PIT (B2)	900	600			184.93	300	186.30	1.37	GAA STD DWG 012
56	GRATED ENTRY PIT (B2)	900	600	185.93	300	185.87	300	187.12	1.24	GAA STD DWG 012
				185.93	300					
57	GRATED ENTRY PIT (B2)	900	600	187.24	300	187.18	300	188.66	1.48	GAA STD DWG 012
				187.24	300					
58	GRATED ENTRY PIT (B2)	900	600	188.13	300	188.07	300	189.55	1.48	GAA STD DWG 012
59	GRATED ENTRY PIT (B2)	900	600			188.17	300	189.53	1.36	GAA STD DWG 012
60	JUNCTION PIT	900	600	187.15	300	187.09	300	188.34	1.24	GAA STD DWG 014
61	JUNCTION PIT	900	600	188.45	300	188.39	300	189.65	1.26	GAA STD DWG 014
62	JUNCTION PIT	900	600			189.09	300	190.31	1.22	GAA STD DWG 014
63	GRATED ENTRY PIT (B2)	900	600			187.28	300	188.65	1.36	GAA STD DWG 012
64	GRATED ENTRY PIT (B2)	900	600	185.68	300	185.62	300	187.67	2.06	GAA STD DWG 012
65	GRATED ENTRY PIT (B2)	900	600	185.80	300	185.74	300	187.74	2.00	GAA STD DWG 012
66	JUNCTION PIT	900	600	185.90	300	185.84	300	187.76	1.92	GAA STD DWG 014
67	JUNCTION PIT	900	600			186.02	300	187.20	1.19	GAA STD DWG 014
68	GRATED ENTRY PIT (B2)	900	600			188.63	375	190.00	1.36	GAA STD DWG 012
69	JUNCTION PIT	900	600			190.02	300	191.23	1.21	GAA STD DWG 014
70	GRATED ENTRY PIT (B2)	900	600			191.06	1.36	GAA STD DWG 012		
71	GRATED ENTRY PIT (B2)	1200	1050	182.81	375			184.85	2.47	REFER TO DETAIL (INSET)
				182.43	750	182.38	750			
72	GRATED ENTRY PIT (B2)	900	900	182.63	750	182.58	750	184.58	2.00	GAA STD DWG 012 (HAUNCHED)
				183.03	300					
73	END PIPE					182.69	750	184.62	1.93	CONNECT TO EX PIPE
74	GRATED ENTRY PIT (B2)	900	600			183.90	300	185.19	1.29	GAA STD DWG 012
75	ENDPIPE							184.38	1.05	DISCHARGE TO SED POND
77	GRATED ENTRY PIT (B2)	900	600			183.19	300	184.55	1.36	GAA STD DWG 012
79	GRATED PIT	1200	1200			181.85	1050	183.69	1.84	GAA STD DWG 014
80	JUNCTION PIT	1200	1200	181.20	1050	181.15	1050	185.80	4.65	GAA STD DWG 014
81	JUNCTION PIT	1200	1200	179.86	1050	179.86	1050	184.67	4.81	GAA STD DWG 014
82	ENDPIPE			177.77	1050			178.90	1.13	DISCHARGE IN ROAD RESERVE

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION NO. PS803931Y/S4

DEVELOPMENT ENGINEER

02/07/2018

DATE APPROVED

AMENDMENTS

VER	DATE	REMARKS

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.	388-C-10
SURVEY	SPIIRE
DESIGN	RGW
DRAWN	RGW
CHECKED	

RATHDOWNE ESTATE

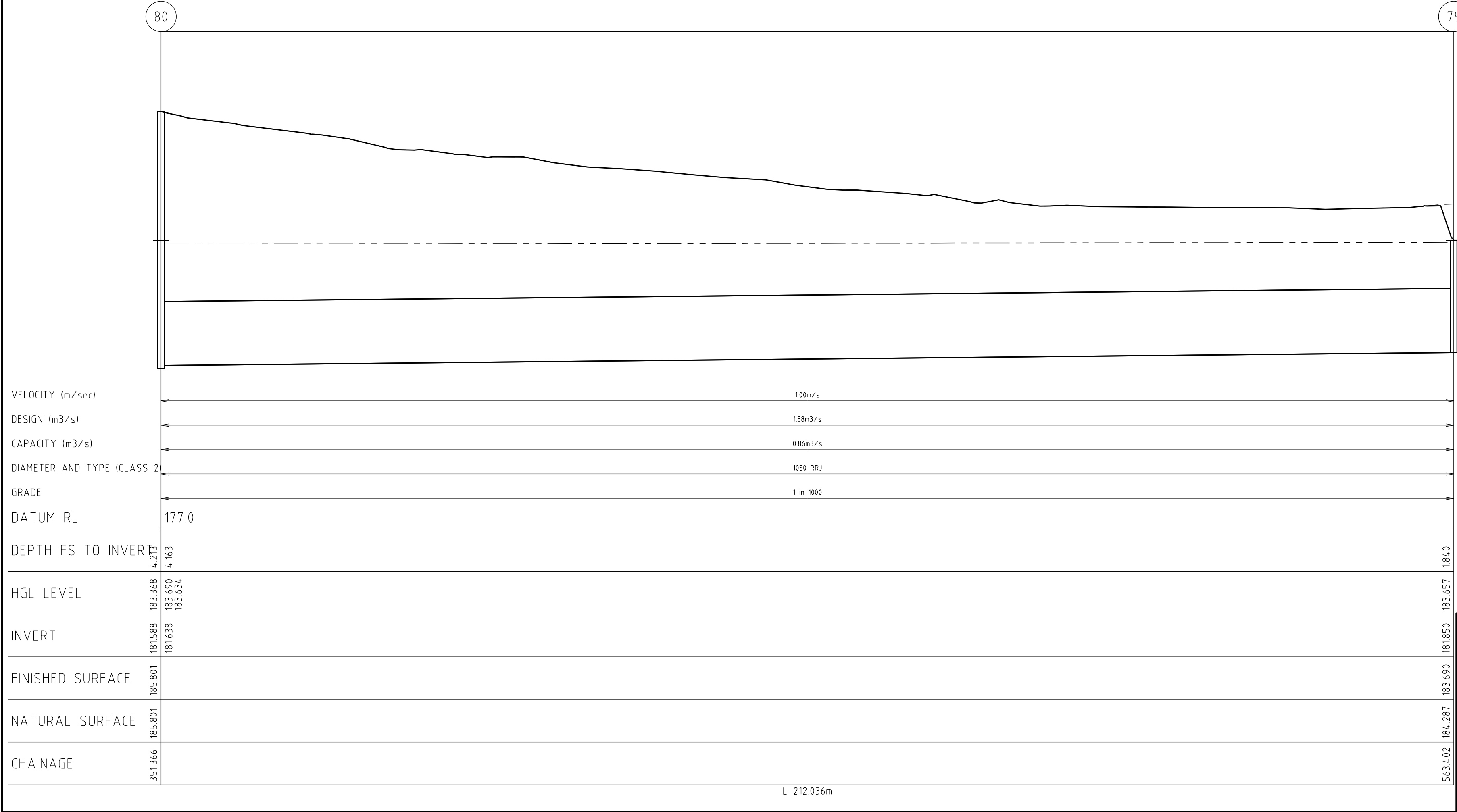
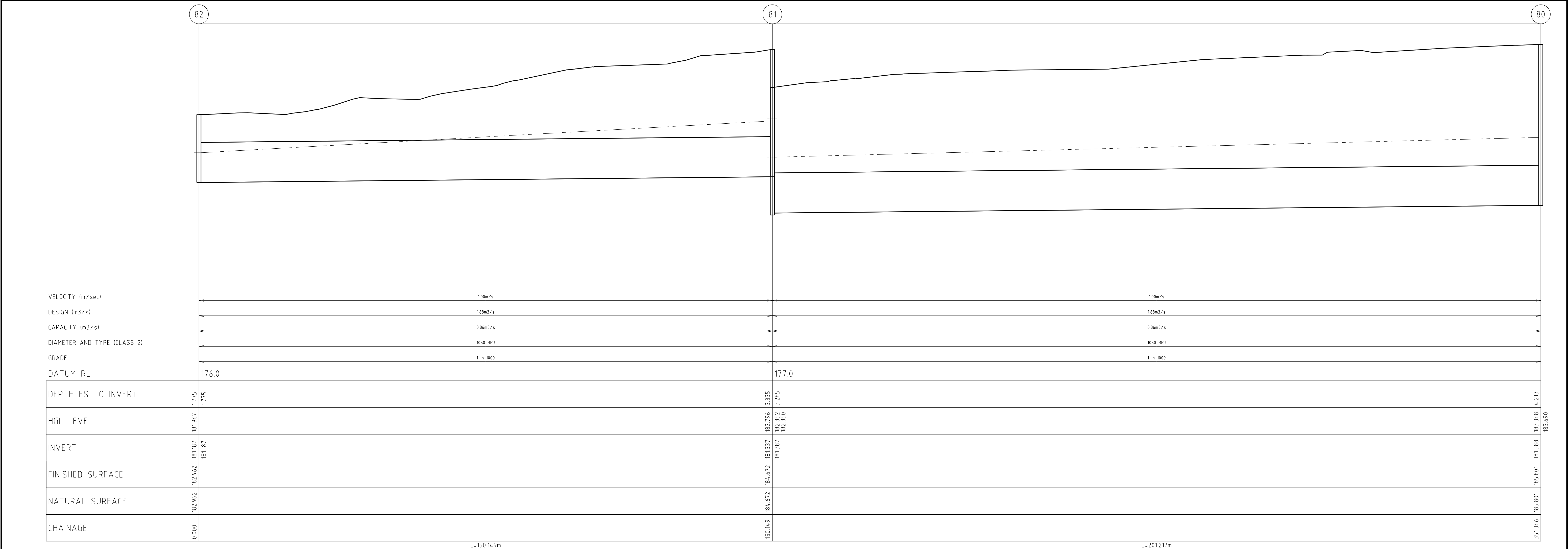
STAGE 4

DRAINAGE LONGITUDINAL SECTIONS 3

SCALE	AS SHOWN	DATUM	AHD	DATE	APR '18
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MUNICIPALITY	WHITTLESEA
REFERENCE	9365 E/4
SHEET	22 OF 25

P4



- SCHEDULE NOTES:-
- WHERE PIT HAUNCHING IS REQUIRED, INTERNAL PIT WALL DIMENSIONS MUST ALLOW 50mm CLEARANCE EACH SIDE OF PIPE OUTSIDE DIAMETER, INCLUDING ANGULAR PIPE ENTRY TO PIT. MINIMUM DIMENSIONS OF PIT BASE ARE TO BE AS PER SIZES SPECIFIED IN THE PIT SCHEDULE. TOP OF PIT OPENING FOR ALL HAUNCHED PITS TO BE 900mm x 600mm.
 - PIT BASE TO BE SHAPED TO MATCH LOWER HALF OF PIPE WHERE DROP ACROSS PIT IS LESS THAN 50mm.
 - PROVIDE BICYCLE SAFE "V" SHAPED CLASS D GRATE (600mm MIN WIDTH).

- INDICATES CRUSHED ROCK BACKFILL CLASS 2
- INDICATES CRUSHED ROCK BACKFILL CLASS 3
- INDICATES 5YR HGL

CITY OF WHITTLESEA

ENGINEERING PLANS & SPECIFICATIONS

APPROVED PURSUANT TO SECTION 15 OF THE SUBDIVISION ACT 1988

PLAN OF SUBDIVISION No. PS803931Y/S4

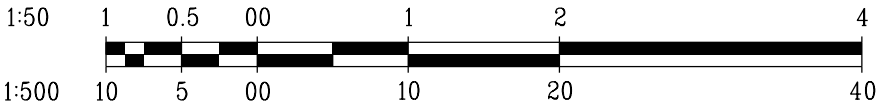
DATE APPROVED

02/07/2018

DRAINAGE LONGITUDINAL SECTIONS

SCALE HORIZONTAL 1:500

VERTICAL 1:50



VER

DATE

REMARKS

553.420

184.287

183.690

181.650

183.657

184.0

183.690

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. 388-C-10

SURVEY SPIIRE

DESIGN RGW

DRAWN RGW

RATHDOWNE ESTATE

STAGE 4

DRAINAGE LONGITUDINAL SECTIONS 5

MUNICIPALITY WHITTLESEA

REFERENCE 9365 E/4

SCALE AS SHOWN

DATUM AHD

DATE APR '18

SHEET 24 OF 25

P4

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Printed: 27/06/2018

1.		"STREET NAME" SIGN	
2.		"GIVE WAY" SIGN (R1-2A)	R1-2A
3.		"NO ROAD" SIGN & "HAZARD" SIGN (G9-1B)	
4.		ROUNDABOUT SIGN	R1-3
5.		"KEEP LEFT" SIGN (R2-3L)	R2-3(L)
6.		HAZARD BOARD (D4-1-1)	
7.		SHARED FOOTWAY (B-2A)	
8.		SHARED FOOTWAY (B-2A) + END (7-4A)	

AMENDMENTS			 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3121 telephone 8823 2311 fax no. 8823 2311
			MELWAY REF. 388-C-10 SURVEY SPIIRE DESIGN RGW DRAWN RGW RATHDOWNE ESTATE STAGE 4 SIGNAGE AND LINEMARKING PLAN MUNICIPALITY WHITTLESEAS REFERENCE 9365 E/4
VER	DATE	REMARKS	CHECKED SCALE AS SHOWN DATUM AHD DATE APR '18 SHEET 25 OF 25