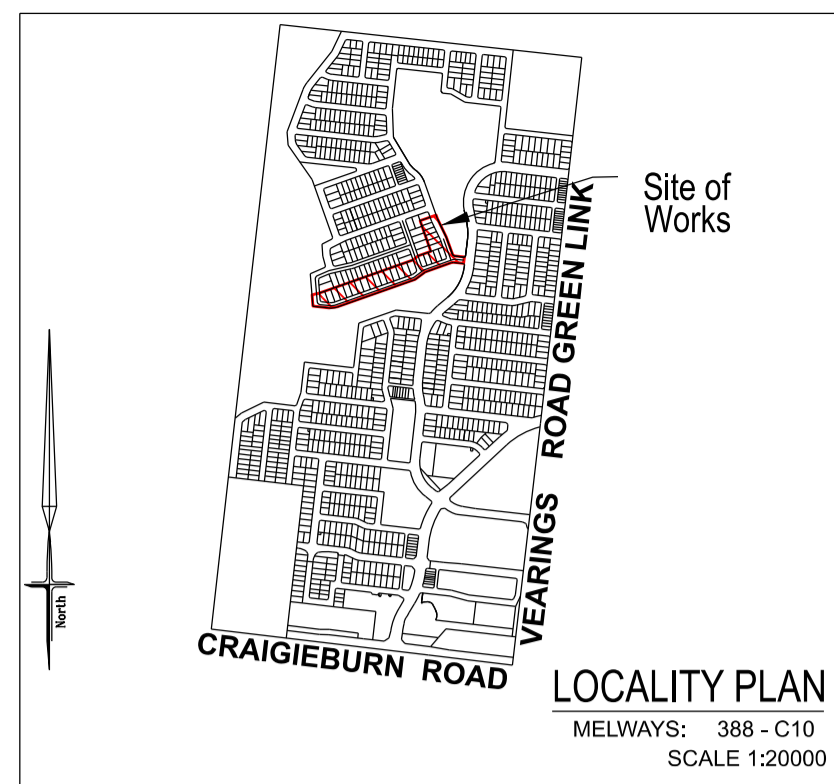
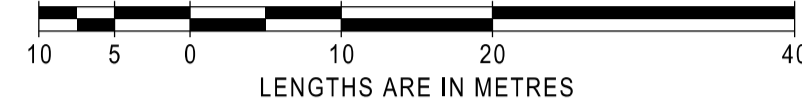


SHEET INDEX

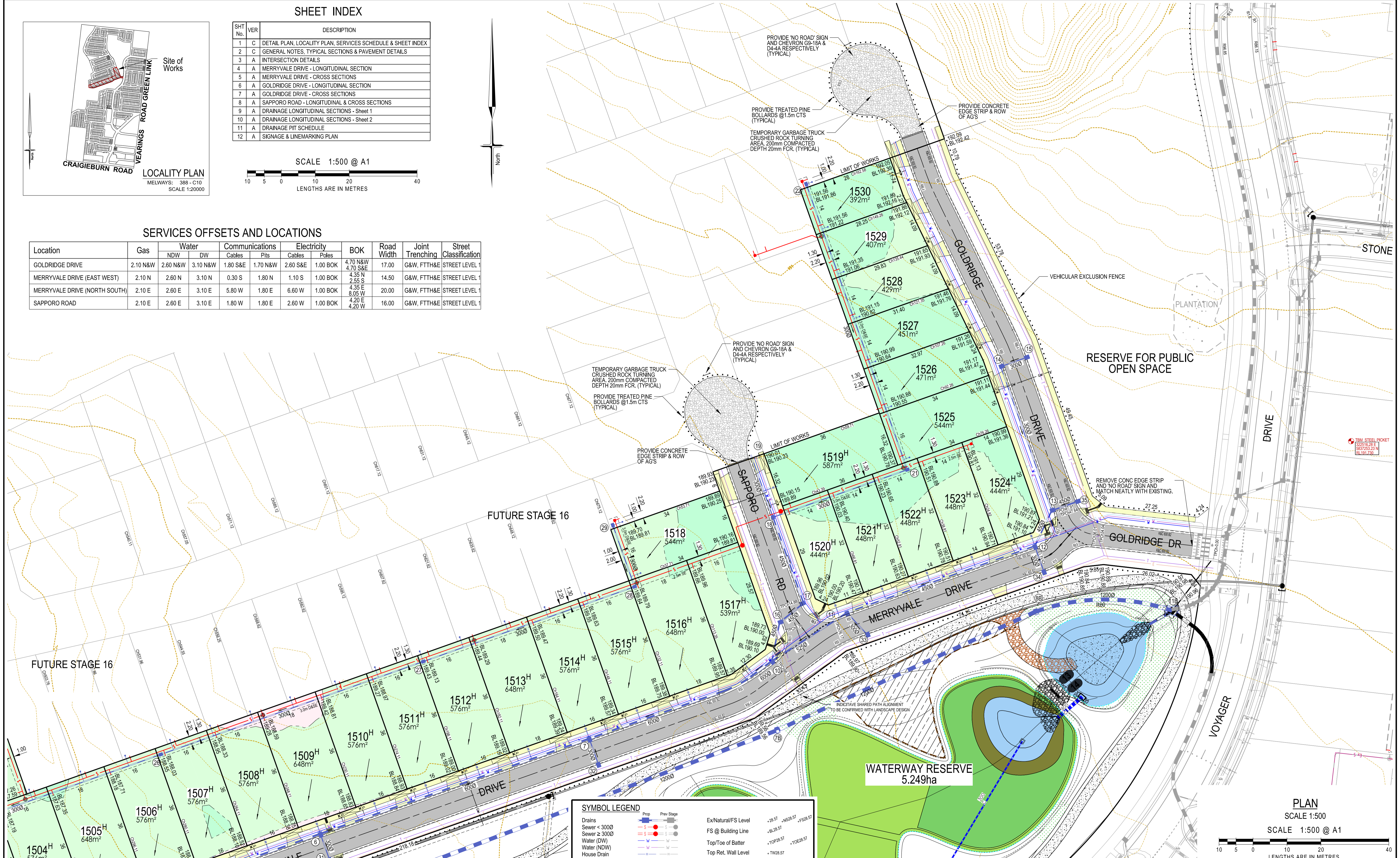
SHT No.	VER	DESCRIPTION
1	C	DETAIL PLAN, LOCALITY PLAN, SERVICES SCHEDULE & SHEET INDEX
2	C	GENERAL NOTES, TYPICAL SECTIONS & PAVEMENT DETAILS
3	A	INTERSECTION DETAILS
4	A	MERRYVALE DRIVE - LONGITUDINAL SECTION
5	A	MERRYVALE DRIVE - CROSS SECTIONS
6	A	GOLDRIDGE DRIVE - LONGITUDINAL SECTION
7	A	GOLDRIDGE DRIVE - CROSS SECTIONS
8	A	SAPPORO ROAD - LONGITUDINAL & CROSS SECTIONS
9	A	DRAINAGE LONGITUDINAL SECTIONS - Sheet 1
10	A	DRAINAGE LONGITUDINAL SECTIONS - Sheet 2
11	A	DRAINAGE PIT SCHEDULE
12	A	SIGNAGE & LINEMARKING PLAN

SCALE 1:500 @ A1



SERVICES OFFSETS AND LOCATIONS

Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
GOLDRIDGE DRIVE	2.10 N&W	2.60 N&W	3.10 N&W	1.80 S&E	1.70 N&W	2.60 S&E	1.00 BOK	4.70 N&W 4.70 S&E	17.00	G&W, FTTH&E	STREET LEVEL 1
MERRYVALE DRIVE (EAST WEST)	2.10 N	2.60 N	3.10 N	0.30 S	1.80 N	1.10 S	1.00 BOK	4.35 N 2.55 S	14.50	G&W, FTTH&E	STREET LEVEL 1
MERRYVALE DRIVE (NORTH SOUTH)	2.10 E	2.60 E	3.10 E	5.80 W	1.80 E	6.60 W	1.00 BOK	4.35 E 8.05 W 4.20 E	20.00	G&W, FTTH&E	STREET LEVEL 1
SAPPORO ROAD	2.10 E	2.60 E	3.10 E	1.80 W	1.80 E	2.60 W	1.00 BOK	4.20 W 4.20 W	16.00	G&W, FTTH&E	STREET LEVEL 1



SYMBOL LEGEND

Drains	Prop	Prop	Ex Natural/FS Level	+28.57	+28.57
Sewer < 3000	Prop	Prop	FS @ Building Line	+BL28.57	+28.57
Sewer ≥ 3000	Prop	Prop	Top/Toe of Batter	+TOP28.57	+TOE28.57
Water (DW)	Prop	Prop	Top Ret. Wall Level	+TW28.57	
Water (NDW)	Prop	Prop	100yr Flood Level	+FL28.57	
House Drain	Prop	Prop	Fill Proposed (<0.3m≥0.3m)		
Property Inlet	Prop	Prop	Out Proposed		
Street Sign	Prop	Prop	Asphalt Surface Prop		
PSM	Prop	Prop	Concrete Surface Prop (Paths/Driveways/Slabs)		
Rock Ret Wall	Prop	Prop	Tree To Be Removed		
Sleeper Ret Wall	Prop	Prop	Tree To Be Retained with Tree Protection Zone (TPZ)		
Conduits 50mm	Prop	Prop			
Conduits 100mm	Prop	Prop			
Street Tree without/with Passive Irrigation (Refer Detail)	Prop	Prop			
Ex Drains	Prop	Prop			
Ex Water/DW/NDW	Prop	Prop			
Ex Sewer/Gas	Prop	Prop			
Ex Elect/Comm	Prop	Prop			

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.

AS CONSTRUCTED

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION 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.

PLAN
SCALE 1:500 @ A1
LENGTHS ARE IN METRES

breese pitt dixon pty. ltd.
land surveyors civil engineers

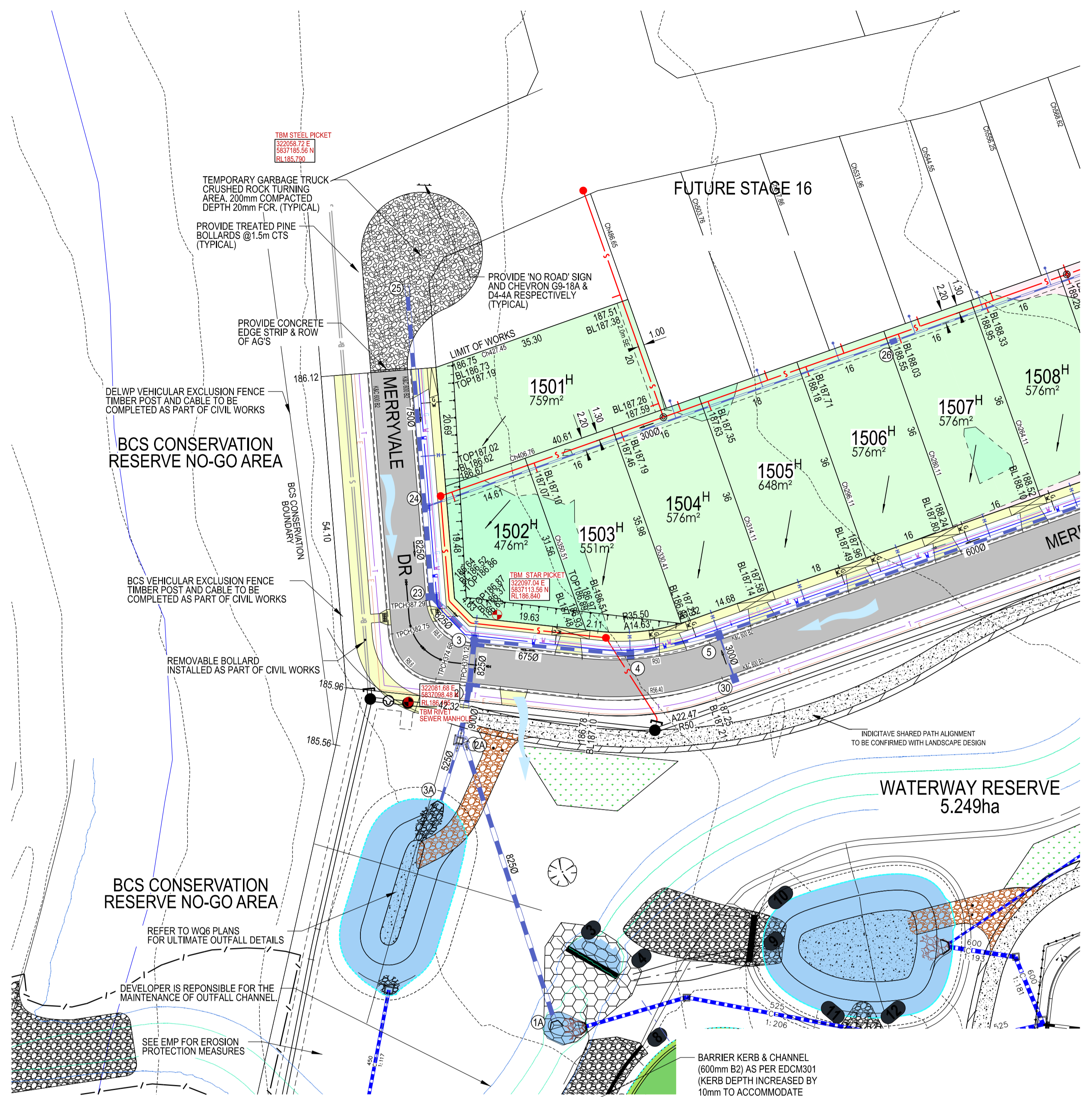
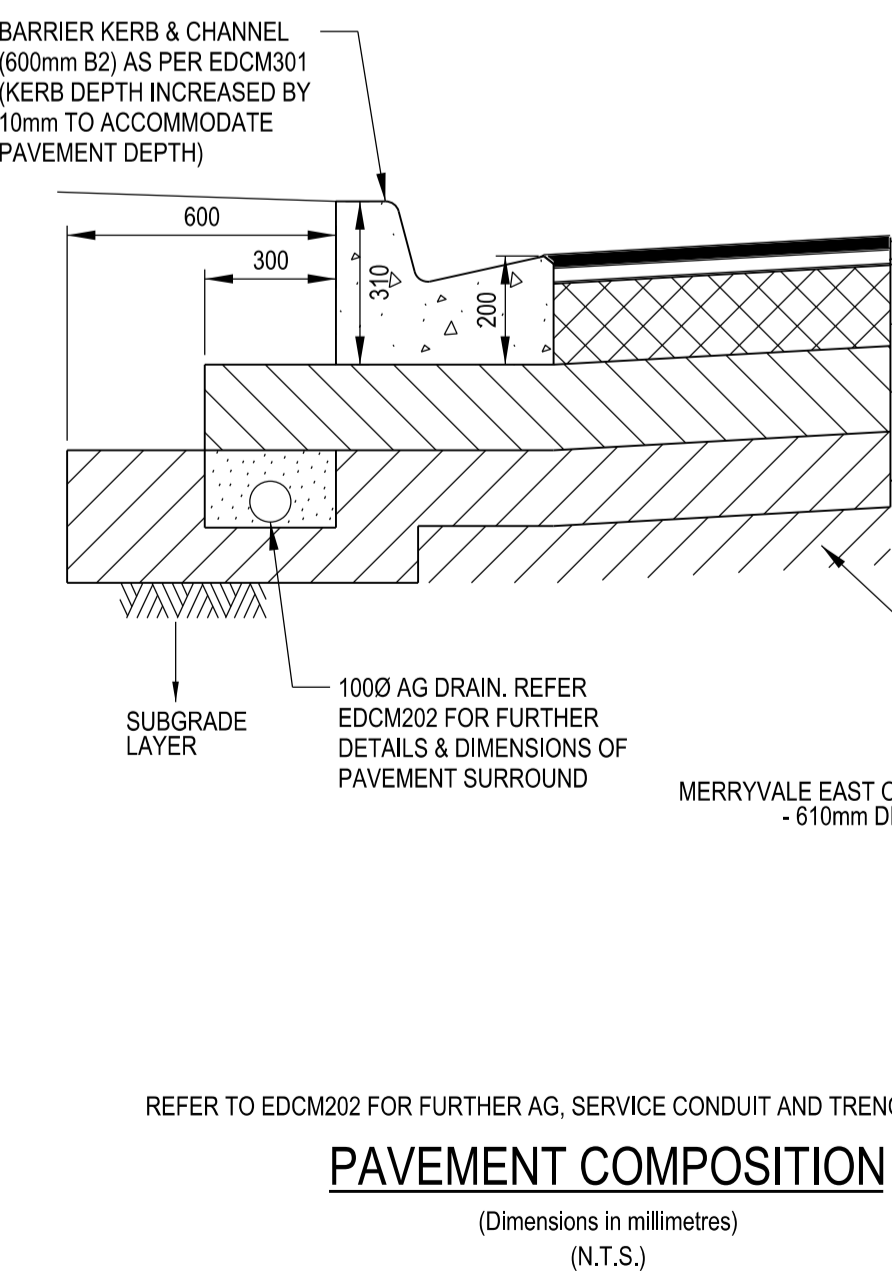
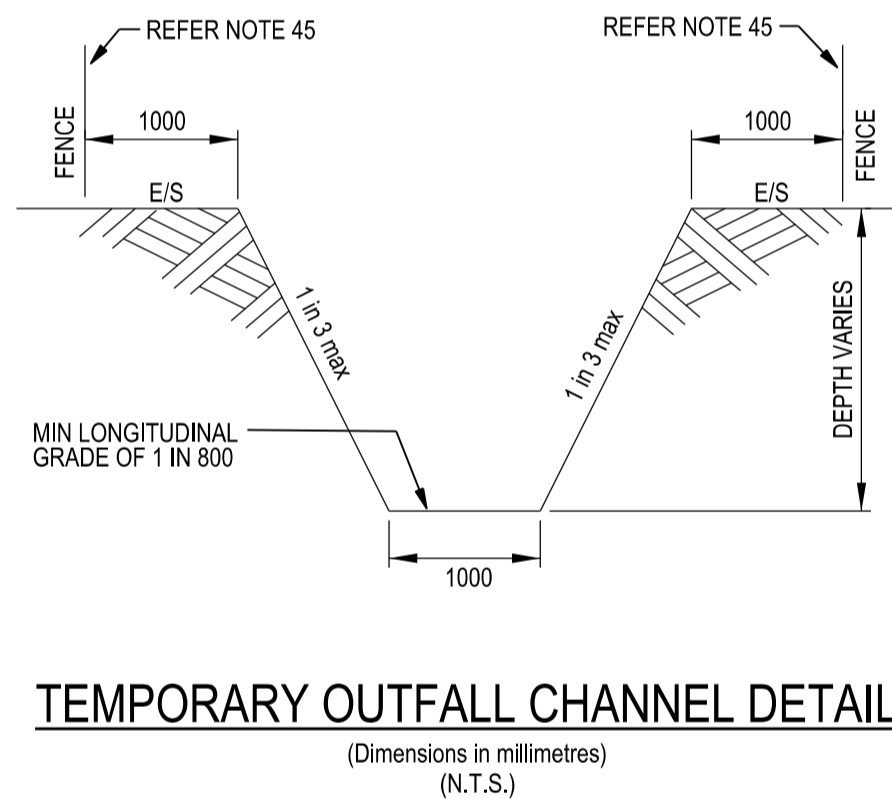
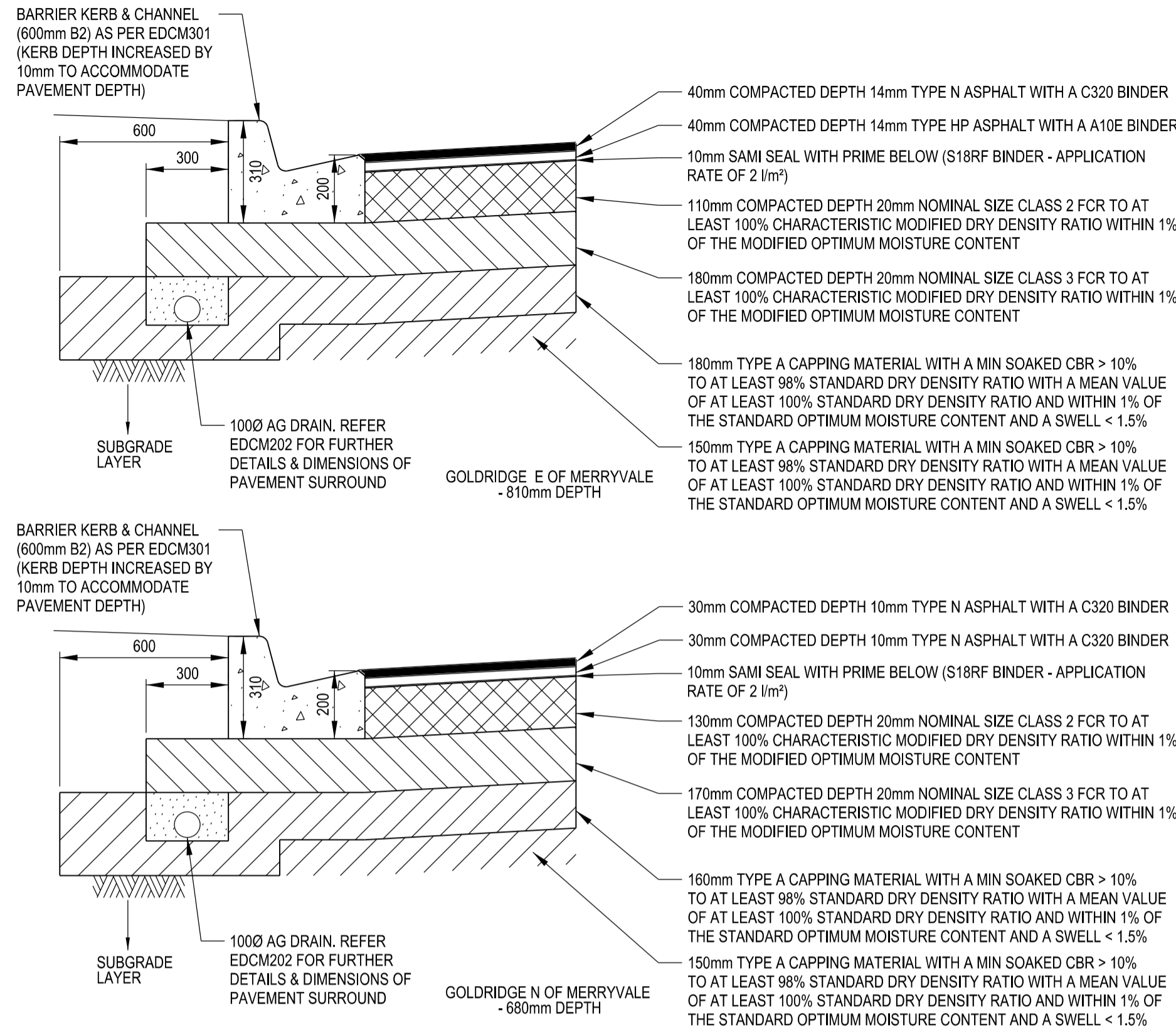
1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310

MELWAY REF.	388-C-10	RATHDOWNE ESTATE	STAGE 15	DETAIL PLAN	MUNICIPALITY	WHITTLESEA						
SURVEY	BPD				REFERENCE	9365 E/15						
DESIGN	RGW	DRAWN	RGW	SCALE	AS SHOWN	DATUM	AHD	DATE	SEP'21	SHEET	1 OF 12	C

AMENDMENTS	DATE	REMARKS	CHECKED
A	28.07.22	CONSTRUCTION ISSUE	

NOTES

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH PLANS AND CURRENT CITY OF WHITTLESEA SPECIFICATIONS AND STANDARD DRAWINGS APPROVED BY COUNCIL AND TO THE SATISFACTION OF THE ENGINEER.
- COUNCIL TO BE NOTIFIED 2 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
- DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES. REFER EDM301-608 FOR FURTHER DETAILS.
- ALL PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED AND SHALL BE RRJ UP TO AND INCLUDING 750mm DIAMETER. PIPES ABOVE THIS SIZE MUST BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. ALL DRAINS THAT CROSS UNDER ROAD PAVEMENTS ARE TO BE CLASS 4 R.C.P.
- JOINTING FOR CURVED PIPE ALIGNMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS (RRJ'S FOR MINOR DEFLECTIONS OR COMPLETE R.C. BANDAGES)
- PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.
- LOTS DENOTED THUS 416H ARE TO BE PROVIDED WITH A 100mm HOUSE DRAIN PLACED 5.5m FROM THE LOW CORNER OF THE LOT UNLESS OTHERWISE SHOWN. HOUSE DRAINS TO BE CONNECTED TO STREET DRAINAGE WITH 27A & CAP. CLEAR OF ANY PAVING. IF CONNECTION IS WITHIN PAVING A PIT MUST BE USED.
- APPROVED GRANULAR BACKFILL TO BE PROVIDED WHERE PIPE TRENCHES ENROACH UNDER ROADWAY DUE TO DEEP EXCAVATIONS IN ROCK.
- SHALLOW CUT OFF DRAINS ARE TO BE PROVIDED ON SUBDIVISION BOUNDARY WHERE NECESSARY.
- PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTOR'S OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER (REFER TO STD DRG EDM202).
- ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK.
- BATTERS SHALL BE 1 IN 6 FOR CUT & FILL UNLESS OTHERWISE SHOWN. BATTERS EXCEEDING 1 IN 6 MUST BE STABILISED AS PER COUNCIL REQUIREMENTS.
- ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER.
- LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER.
- ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF RUBBISH AND SPOIL FROM SITE.
- WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES, THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO COMMENCEMENT OF WORKS.
- ALL MATERIAL SURROUNDING SERVICE AUTHORITY PITS LOCATED IN FOOTPATHS MUST BE ADEQUATELY COMPACTED IN 150mm LAYERS AND TESTED TO THE SATISFACTION OF THE CITY OF WHITTLESEA PRIOR TO THE CONSTRUCTION OF FOOTPATH BAYS ADJACENT TO THESE PITS.
- THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.
- ALL GAS AND WATER CONDUITS FOR RESIDENTIAL LOTS TO BE PVC CLASS 12, 50mm DIAMETER & 100mm DIAMETER RESPECTIVELY.
- TELSTRANB Co TO BE NOTIFIED 7 DAYS PRIOR TO CONCRETE BEING PLACED.
- CONDUITS ARE TO BE EXTENDED 450mm BEHIND FACE OF KERB AND TO BE REFERENCED ON FACE OF KERB.
- ALL STREET SIGNS TO BE CONSTRUCTED AND ERECTED TO CURRENT CITY OF WHITTLESEA STANDARDS. STREET NAME PLATES TO BE IN ACCORDANCE WITH STANDARD DRAWING SD825, INCLUDING 'NO THROUGH ROAD' NOMINATION WHERE APPLICABLE.
- TRAFFIC CONTROL SIGNS, MARKINGS & DELINEATORS TO BE INSTALLED IN ACCORDANCE WITH AS1742.2. ALL LINE MARKING IS TO BE LONG LIFE ROAD MARKING, WITH LONGITUDINAL LINES IN THERMOPLASTIC & TRANSVERSE MARKINGS IN COLD APPLIED.
- ALL DRIVEWAYS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH EDM301 & 502 AND ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN.
- ALL DRIVEWAY RAMPS INTO PROPERTIES ARE TO BE CUT IN AT A MAXIMUM GRADE OF 1 IN 6.
- ALL PEDESTRIAN CROSSINGS ARE TO BE CONSTRUCTED GENERALLY IN ACCORDANCE WITH EDM403. ALL PRAM CROSSING SPLAYS MUST BE 600mm WIDE AND NO GREATER.
- FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. FILLING TO BE CLEAN CLAY COMPACTED TO A DRY DENSITY NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY VALUE DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1289.5.2.1-2003. CONTROL TESTING TO COMPLY WITH AS3799-2007 APPENDIX B, LEVEL 1.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE SUPERVISING ENGINEER.
- FILL REQUIRED UNDER ROADWAY KERB AND CHANNEL AND FOOTPATH TO BE UNDERTAKEN AS PER COUNCIL'S CONSTRUCTION SPECIFICATION FOR ROAD & DRAINAGE WORKS 20.6 (TYPE A MATERIAL AS PER VICROADS STANDARD SPECIFICATION 204) AND COMPACTED TO 98% AASHO IN 150mm LAYERS.
- PAVEMENT DEPTH MAY NOT BE ALTERED WITHOUT WRITTEN APPROVAL FROM CITY OF WHITTLESEA DEVELOPMENT ENGINEERING UNIT PRIOR TO THE COMMENCEMENT OF WORKS. ADDITIONAL COSTS WILL NOT BE CONSIDERED POST TENDER.
- THE CONTRACTOR IS TO ORGANISE AND PAY FOR TESTING OF PAVEMENT BASE COURSE MATERIAL AND FINAL LAYER OF CRUSHED ROCK. A COPY OF RESULTS IS TO BE FORWARDED TO THE DIRECTOR OF ENGINEERING OR HIS REPRESENTATIVE. THE RESULTS MUST MEET THE REQUIREMENTS OF THE CITY OF WHITTLESEA SPECIFICATION BEFORE ANY FURTHER WORKS ARE REQUIRED.
- THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
- ALL STRUCTURAL WORKS MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.

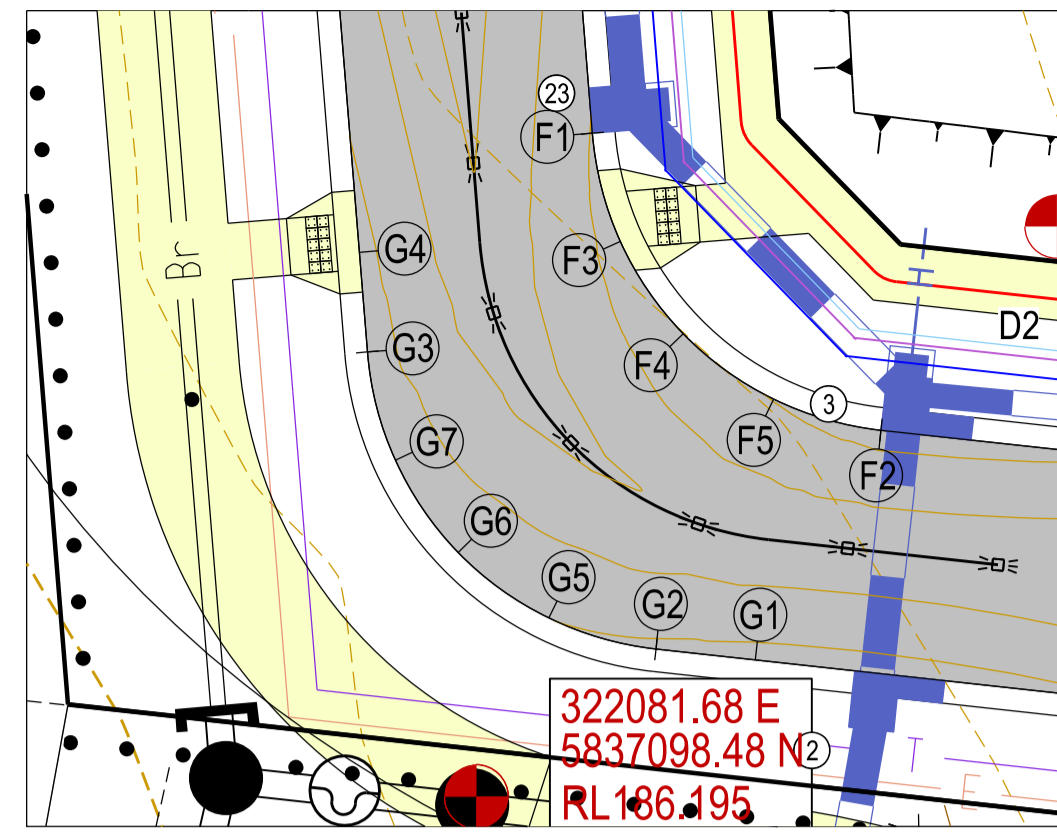
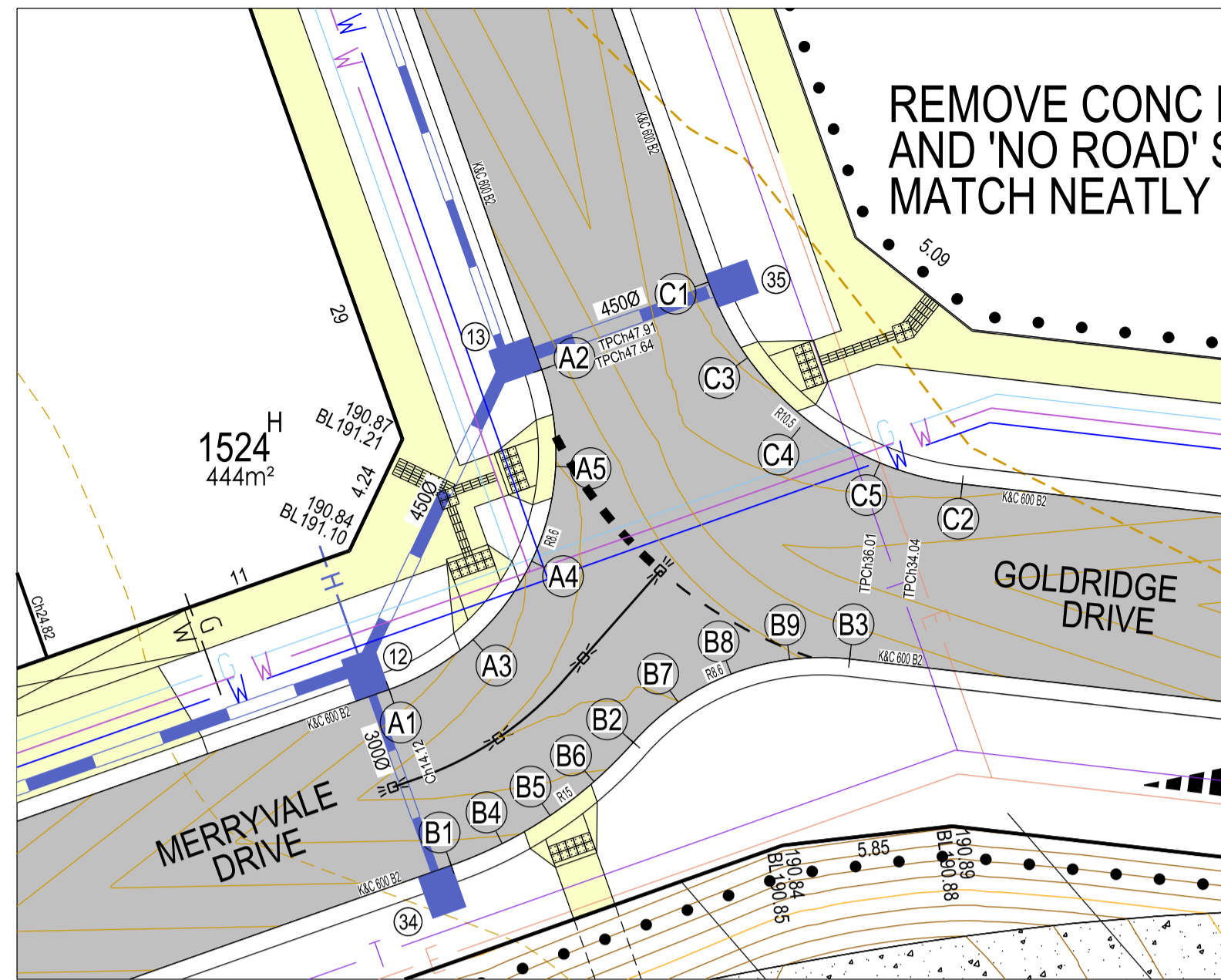


AS CONSTRUCTED

REFER TO EDM202 FOR FURTHER AG, SERVICE CONDUIT AND TRENCH BACKFILL DETAILS

PAVEMENT COMPOSITION
(Dimensions in millimeters)
(N.T.S.)

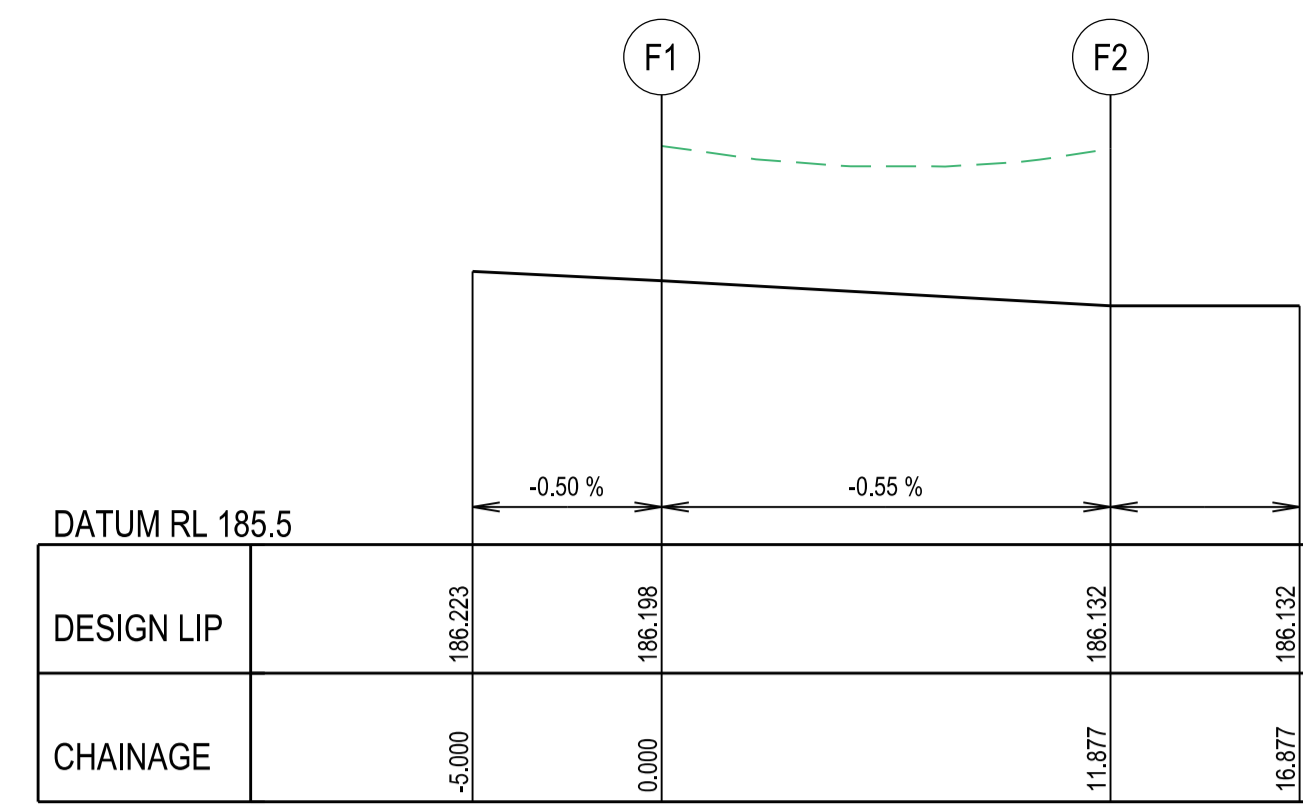
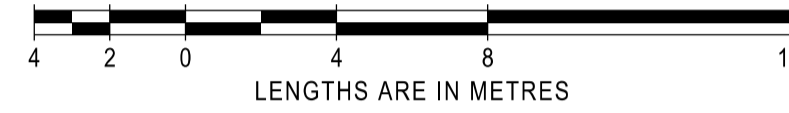
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		SURVEY	BPD				REFERENCE 9365 E/15	
		DESIGN	RGW				DRAWN RGW	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE SEP'21	SHEET 2 OF 12	B



INTERSECTION DETAILS

SCALE 1:200

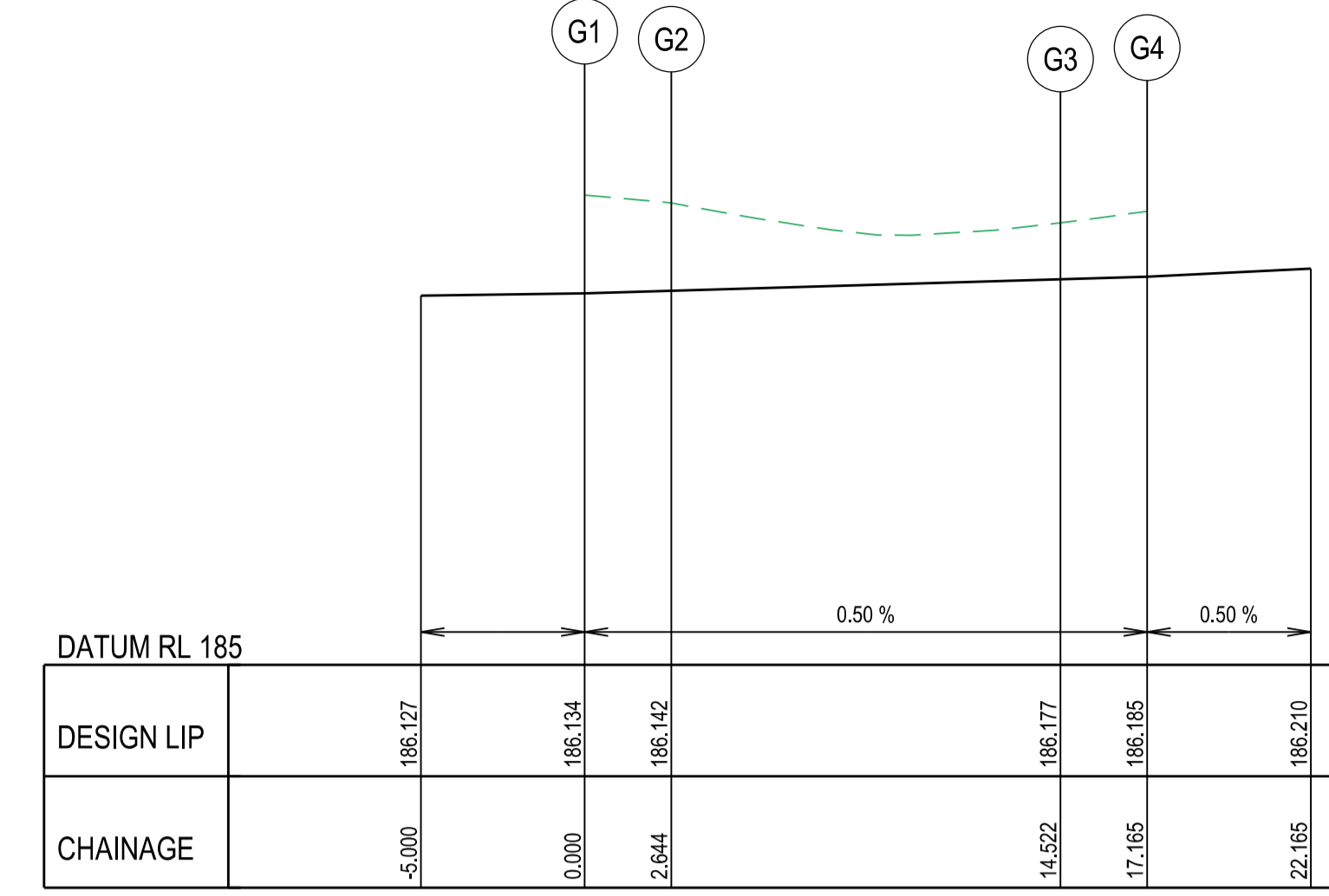
SCALE 1:200 @ A1



Alignment F

Point no	Easting	Northing	RL
F 1	322084.751	5837116.026	186.198
F 2	322092.387	5837108.170	186.132
F 3	322085.492	5837113.166	186.181
F 4	322087.156	5837110.725	186.165
F 5	322089.549	5837108.991	186.149

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
F 1 2	-79.131	-8.600	11.877	1.970	1.463	2.567	2.911	2.969	186.165



Alignment G

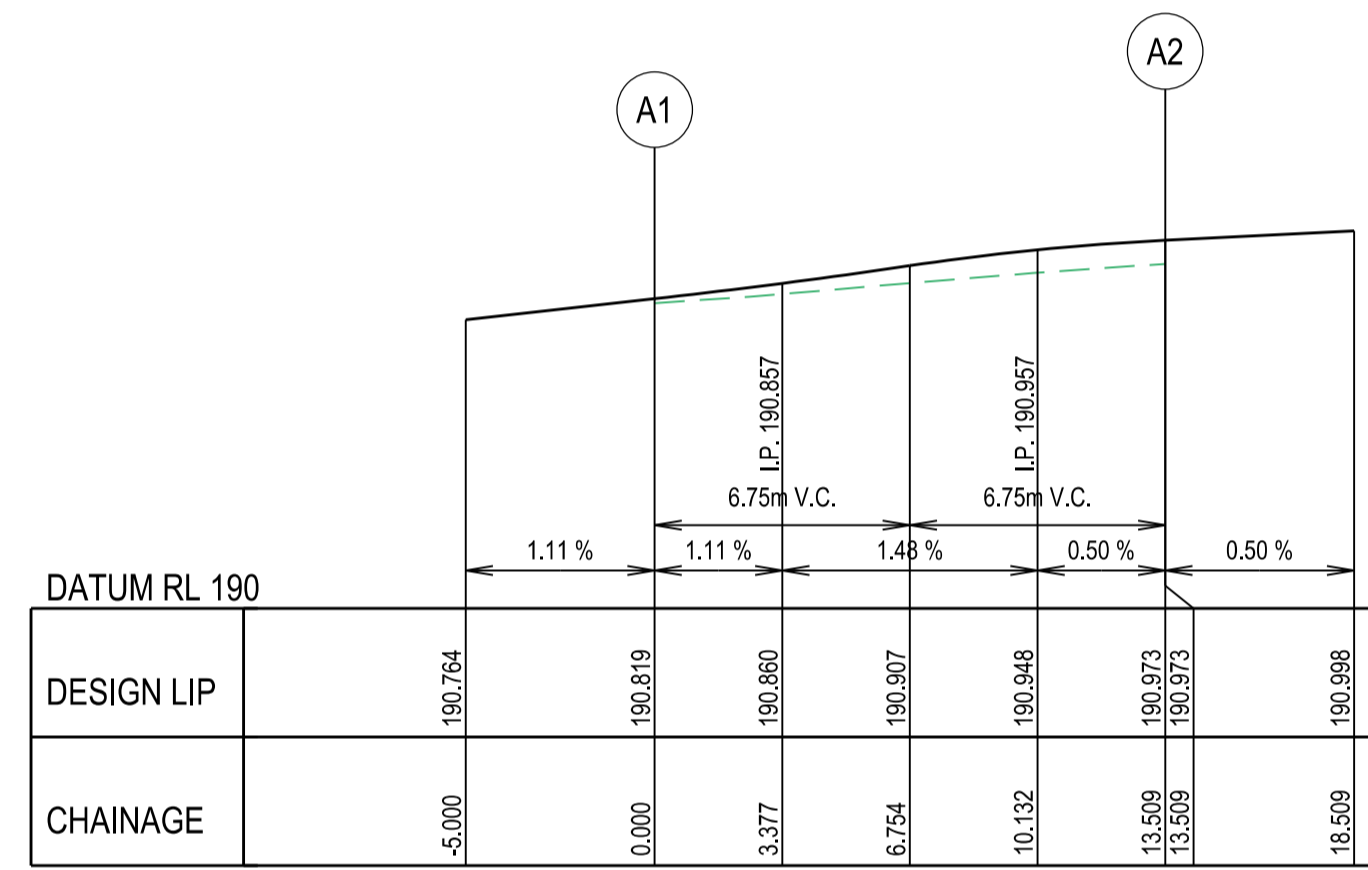
Point no	Easting	Northing	RL
G 1	322089.062	5837102.096	186.134
G 2	322086.434	5837102.383	186.142
G 3	322078.798	5837110.240	186.177
G 4	322078.585	5837112.875	186.185
G 5	322083.596	5837103.205	186.151
G 6	322081.203	5837104.938	186.159
G 7	322079.538	5837107.379	186.168

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
G 2 3	79.131	8.600	11.877	1.970	1.463	2.567	2.911	2.969	186.159

Alignment A

Point no	Easting	Northing	RL
A 1	322424.068	5837221.587	190.819
A 2	322429.305	5837232.564	190.973
A 3	322426.952	5837223.303	190.860
A 4	322428.960	5837225.991	190.907
A 5	322429.786	5837229.243	190.948

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
A 1 2	-90.000	-8.600	13.509	2.519	1.864	2.790	3.291	3.377	190.907



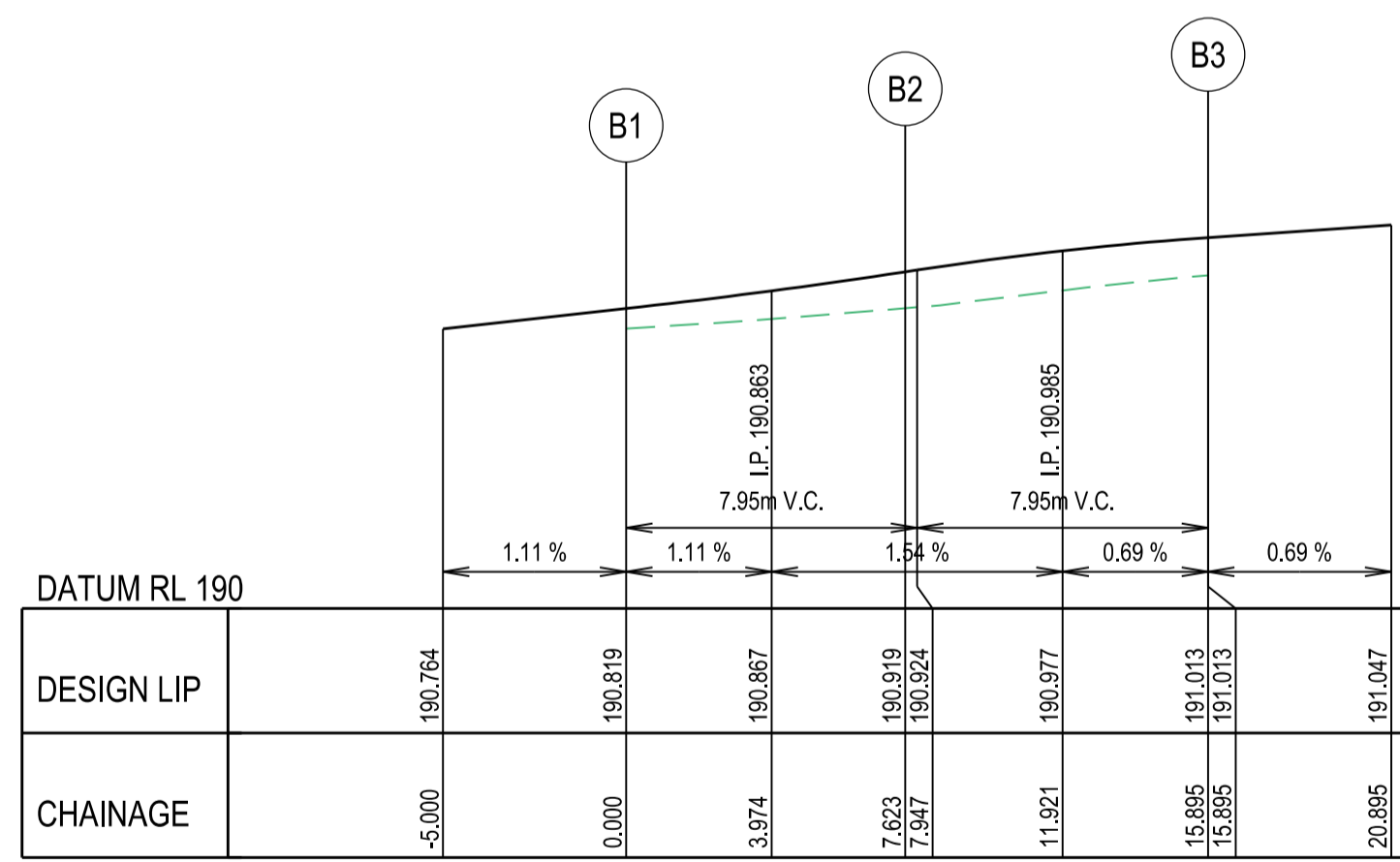
LIP LINE A

Alignment B

Point no	Easting	Northing	RL
B 1	322426.204	5837215.554	190.819
B 2	322432.452	5837219.777	190.919
B 3	322439.877	5837222.636	191.013

Point no	Easting	Northing	RL
B 4	322427.955	5837216.302	190.841
B 5	322429.598	5837217.267	190.865
B 6	322431.105	5837218.431	190.891
B 7	322433.992	5837221.150	190.949
B 8	322435.814	5837222.117	190.975
B 9	322437.814	5837222.622	190.996

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
B 1 2	-29.118	-15.000	7.623	0.482	0.361	1.870	1.901	1.906	190.865
B 2 3	55.108	8.600	8.272	0.975	0.728	1.930	2.048	2.068	190.975



LIP LINE B

Alignment C

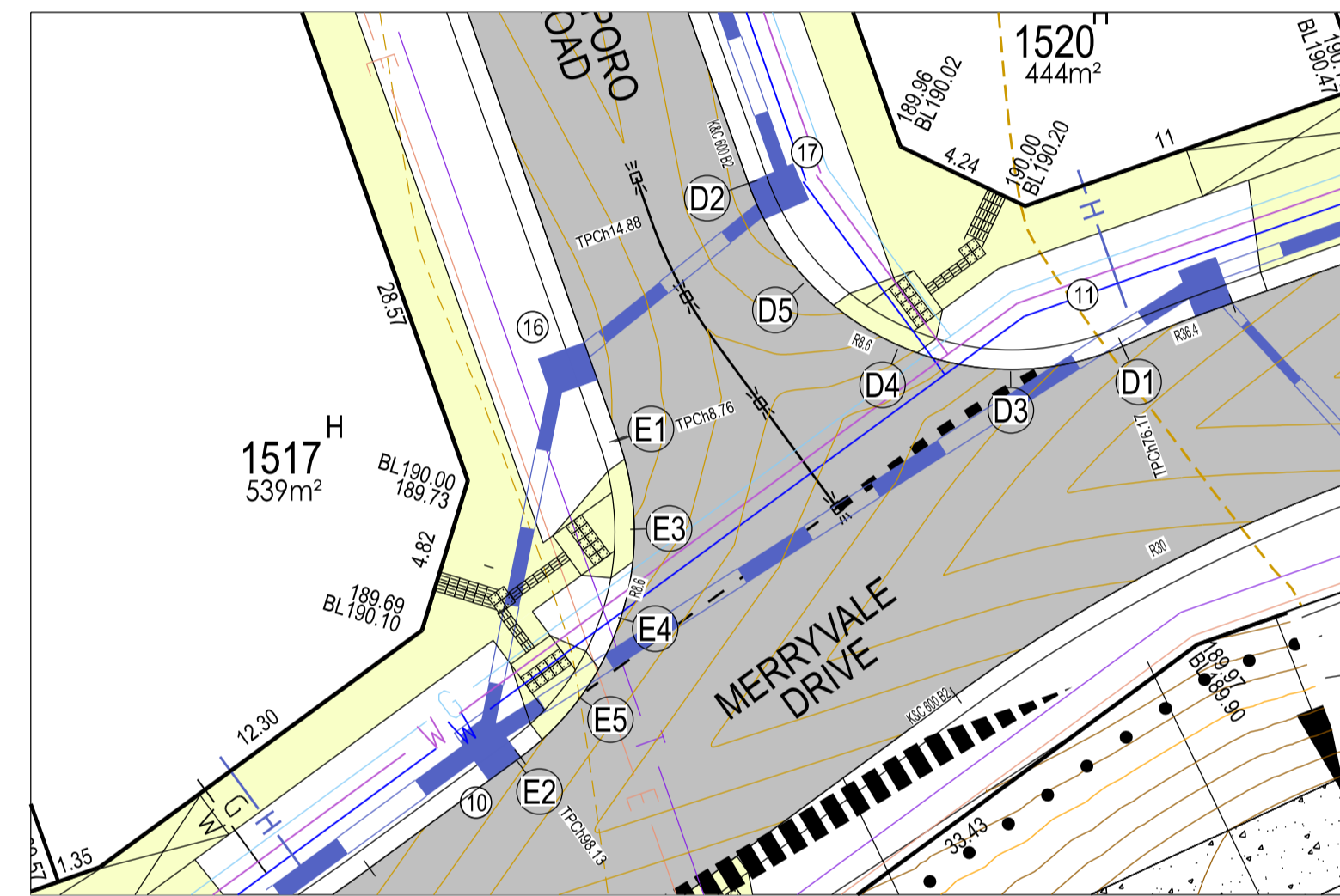
Point no	Easting	Northing	RL
C 1	322435.032	5837235.566	190.978
C 2	322443.742	5837228.637	191.035

Point no	Easting	Northing	RL
C 3	322436.381	5837232.973	190.992
C 4	322438.394	5837230.853	191.006
C 5	322440.912	5837229.369	191.020

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
C 1 2	-64.010	-10.500	11.730	1.596	1.189	2.670	2.895	2.933	191.006



LIP LINE C



Alignment D

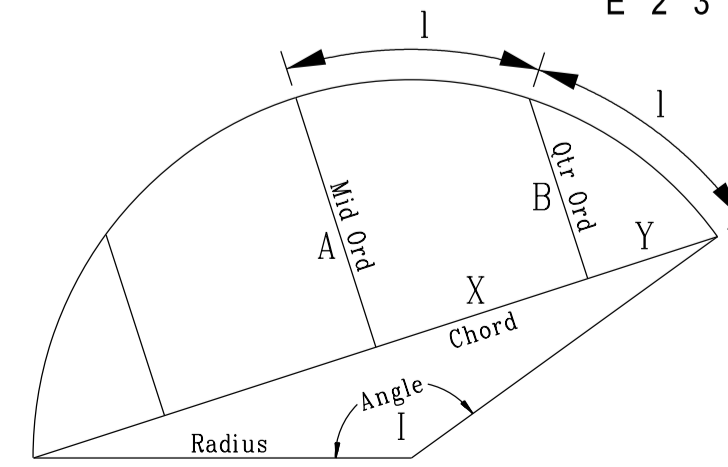
Point no	Easting	Northing	RL
D 1	322365.400	5837200.682	190.133
D 2	322353.848	5837205.691	189.782
D 3	322361.968	5837199.961	190.064
D 4	322358.533	5837200.671	189.930
D 5	322355.667	5837202.693	189.810

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
D 1 2	94.124	8.600	14.128	2.742	2.026	2.862	3.434	3.532	189.930

Alignment E

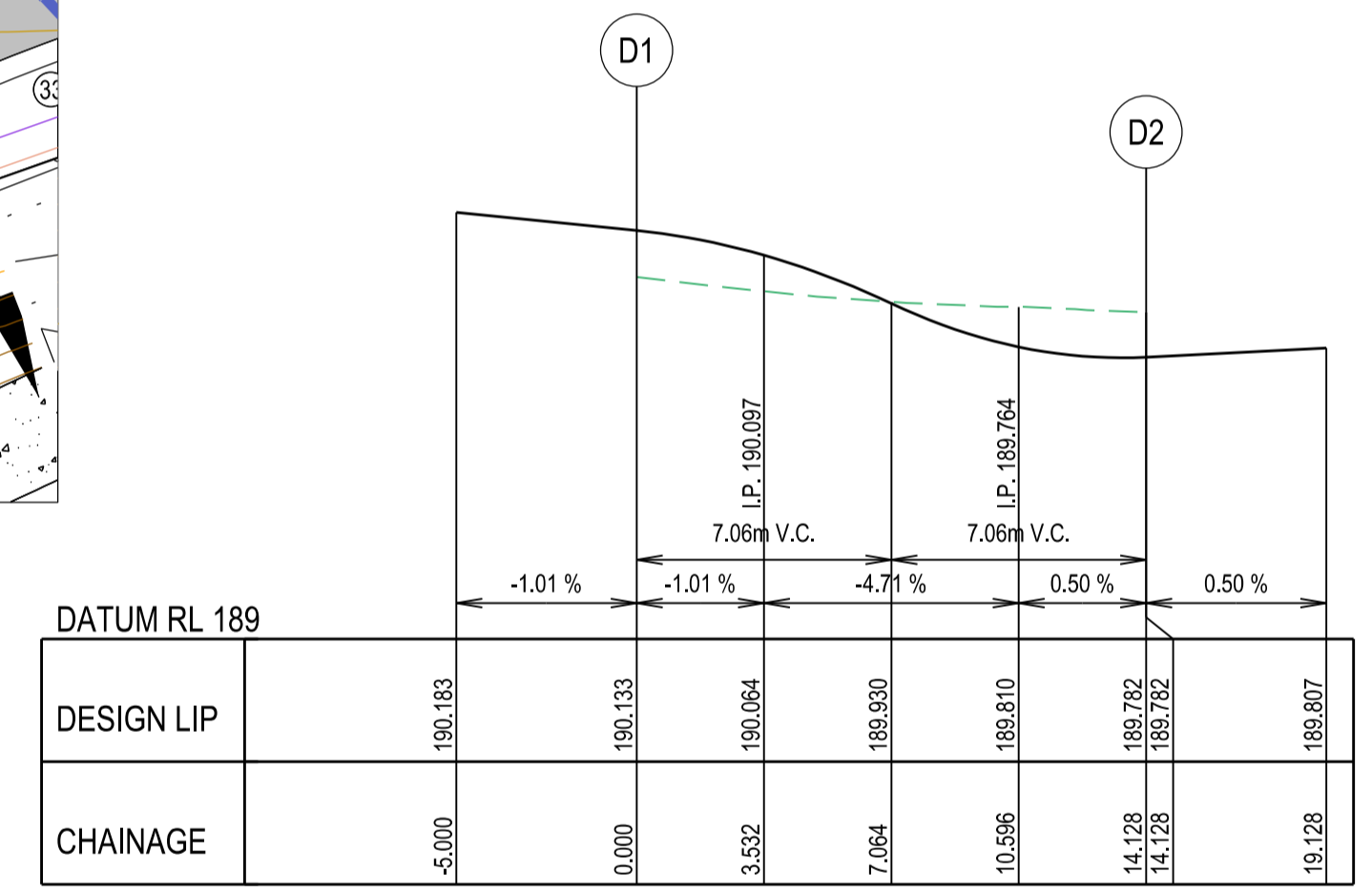
Point no	Easting	Northing	RL
E 1	322347.804	5837203.584	189.782
E 2	322349.845	5837197.818	189.807
E 3	322346.833	5837188.020	189.891
E 4	322350.337	5837195.129	189.855
E 5	322349.959	5837192.421	189.895
E 6	322348.750	5837189.969	189.907

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
E 2 3	73.163	8.600	10.982	1.694	1.260	2.426	2.699	2.745	189.895

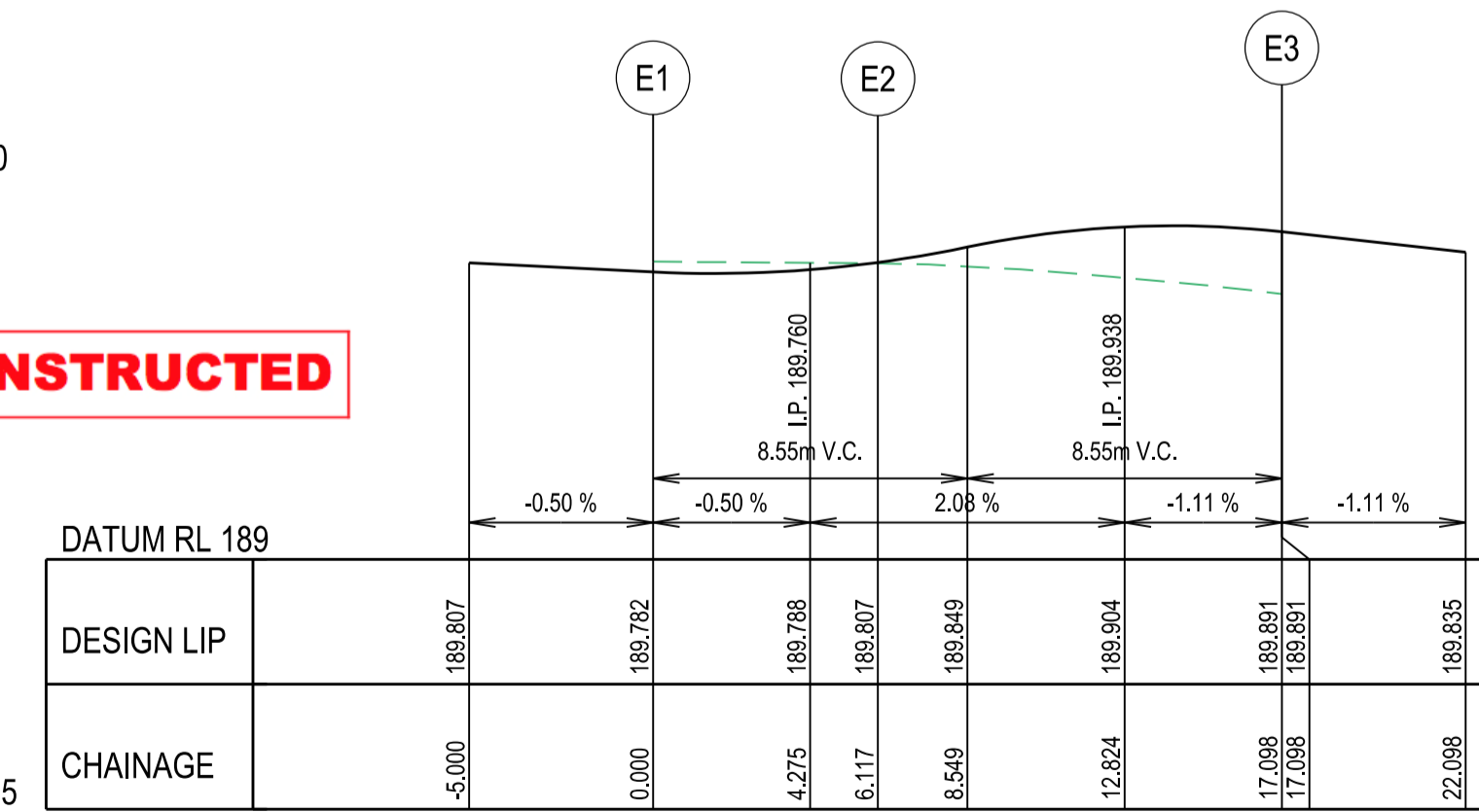


CURVE SETOUT DIAGRAM

AS CONSTRUCTED

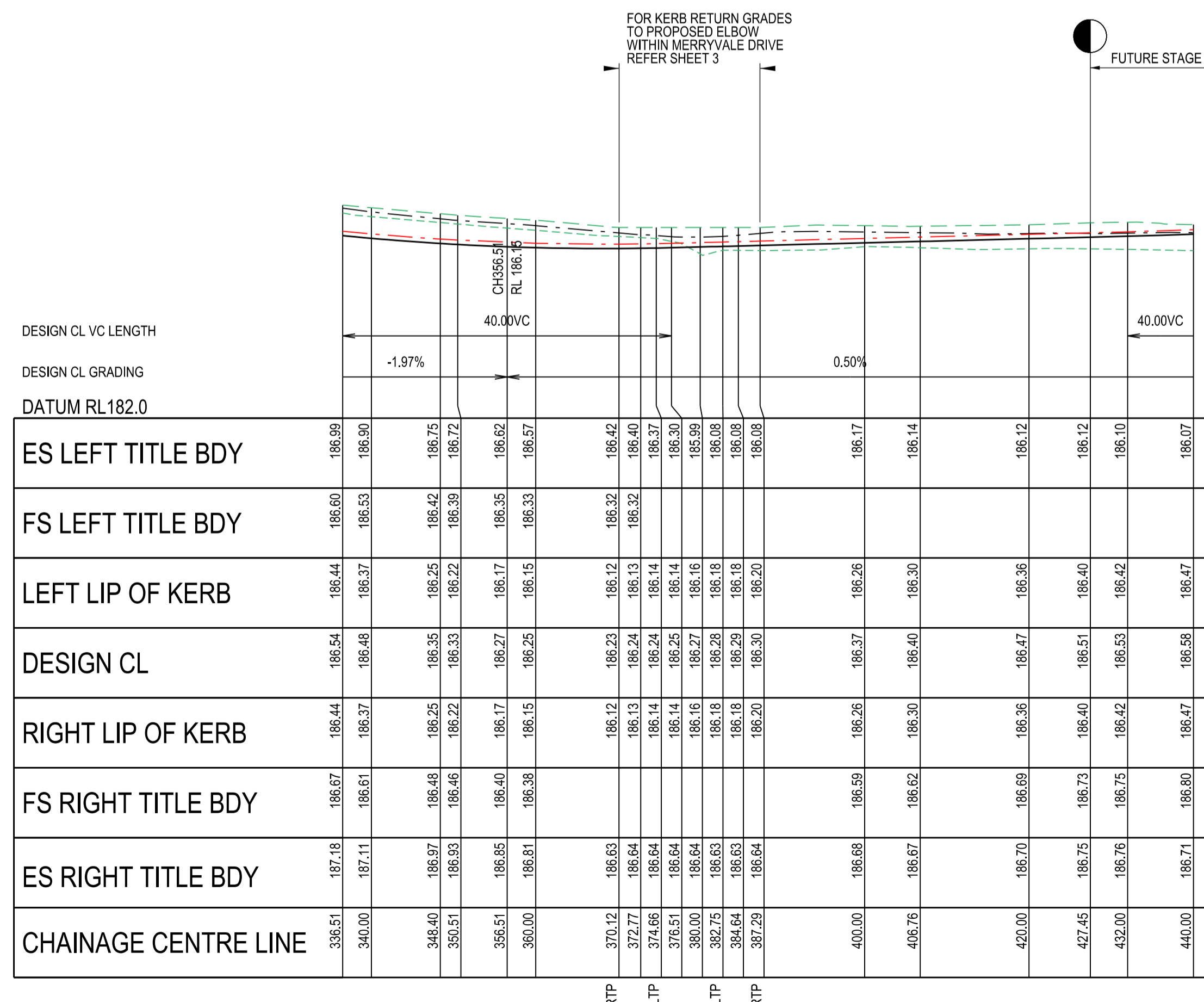
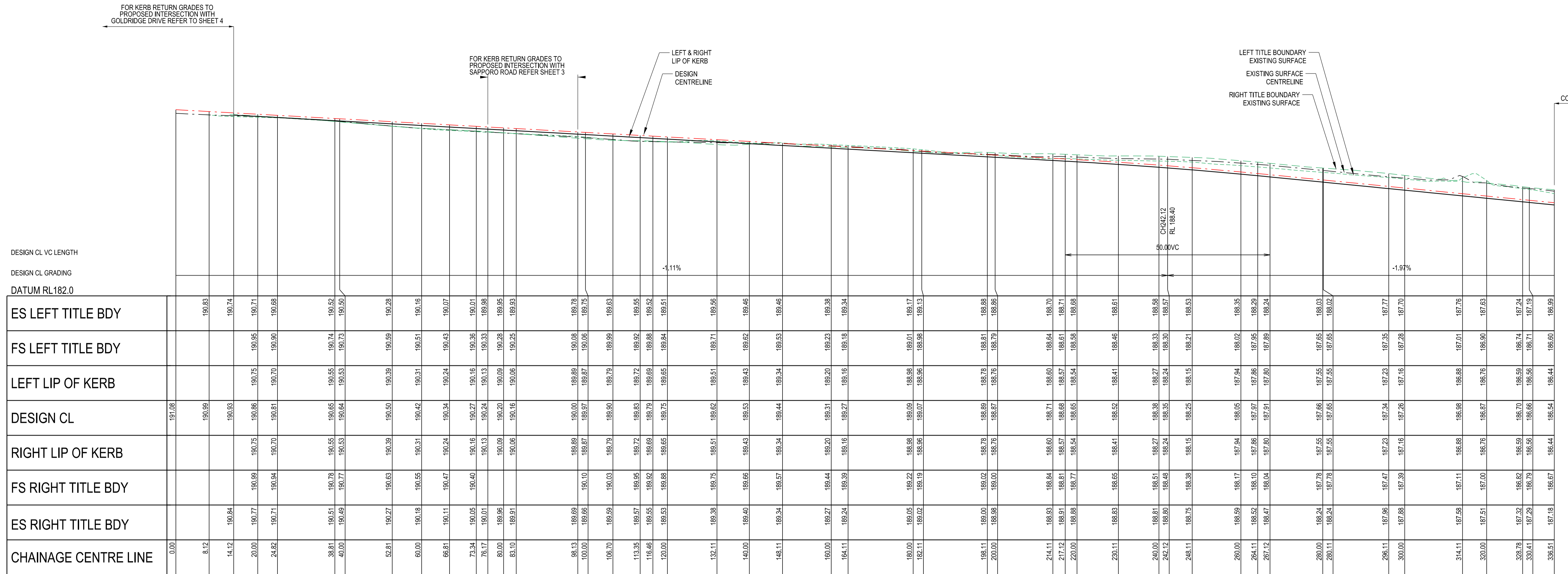


LIP LINE D



LIP LINE E

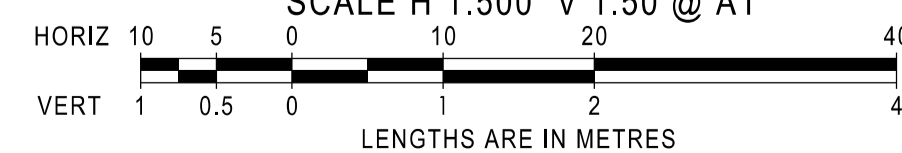
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SURVEY BPD		STAGE 15	
DESIGN RGW		MUNICIPALITY WHITTLESEA	
DRAWN RGW		REFERENCE 9365 E/15	
CHECKED		SCALE AS SHOWN DATUM AHD DATE SEP'21 SHEET 3 OF 12 B	



MERRYVALE DRIVE
LONGITUDINAL SECTION

SCALE HORIZONTAL 1:500
VERTICAL 1:50

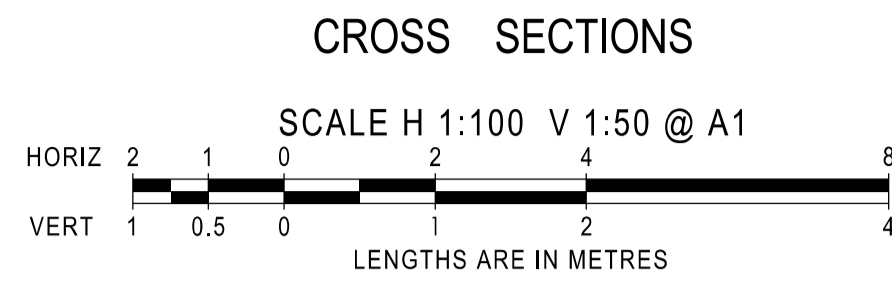
SCALE H 1:500 V 1:50 @ A1



AS CONSTRUCTED

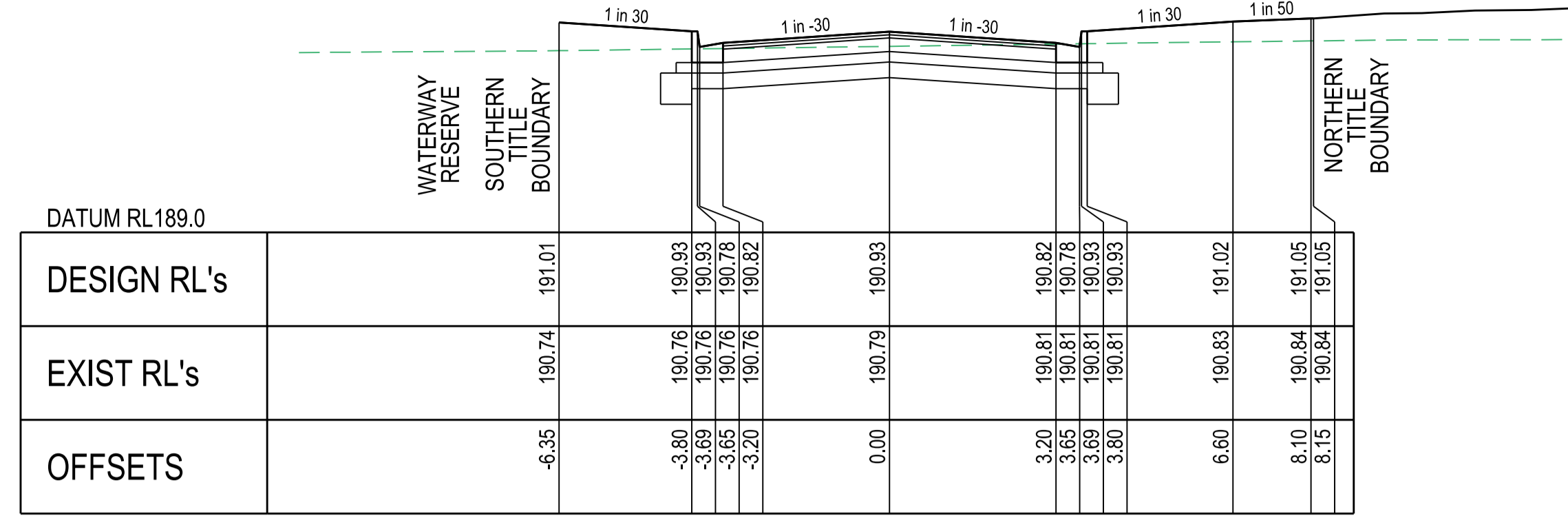
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	TYPE A SELECTED MATERIAL FILL

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	MUNICIPALITY WHITTLESEA
				SURVEY BPD	REFERENCE 9365 E/15
				DESIGN RGW	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN DATUM AHD DATE SEP'21 SHEET 4 OF 12 B	
A	28.07.22	CONSTRUCTION ISSUE	DRAWN RGW		

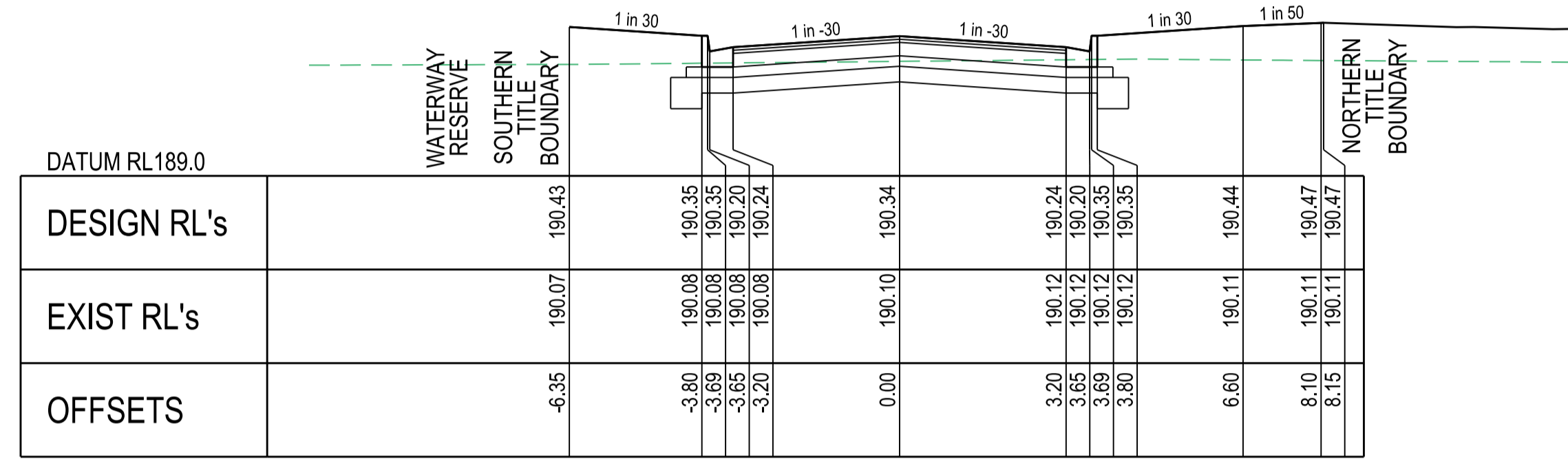


MERRYVALE DRIVE

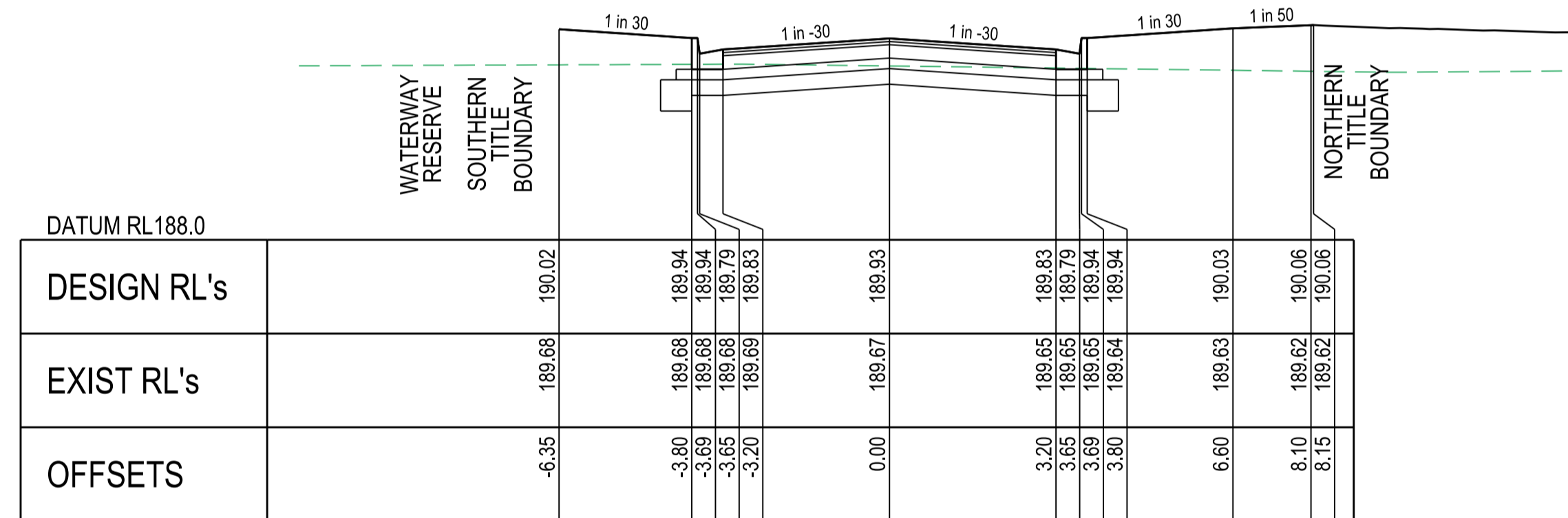
INDICATES CRUSHED ROCK
BACKFILL REFER NOTE 35. SHEET 2
LEVEL 1 SUPERVISION REQUIRED



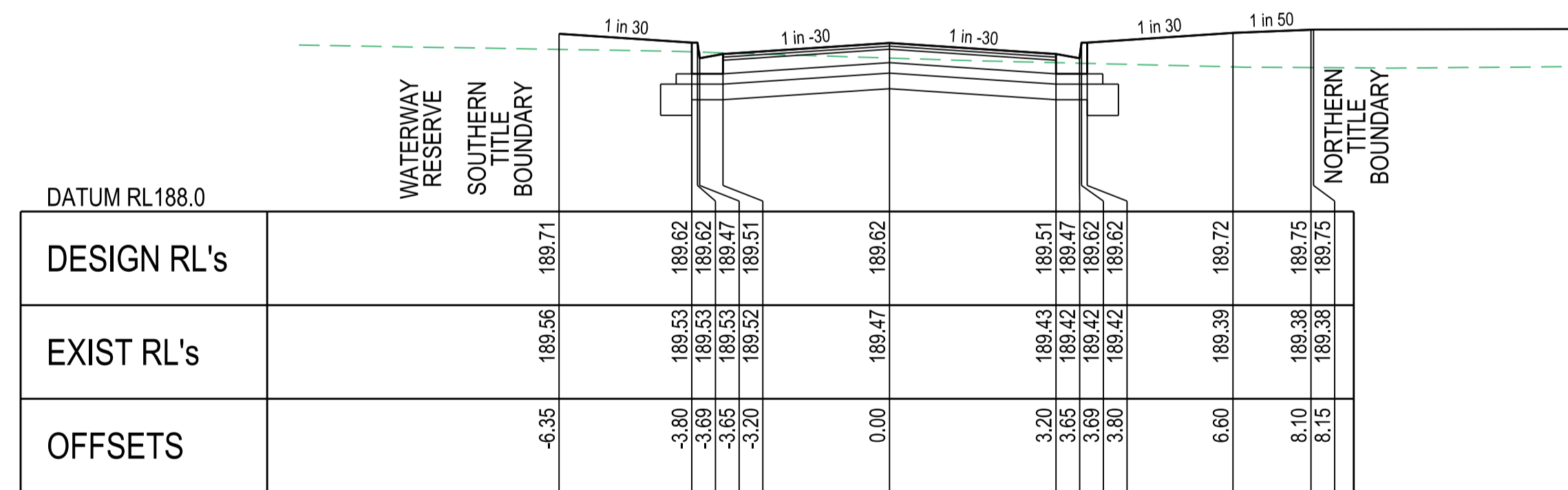
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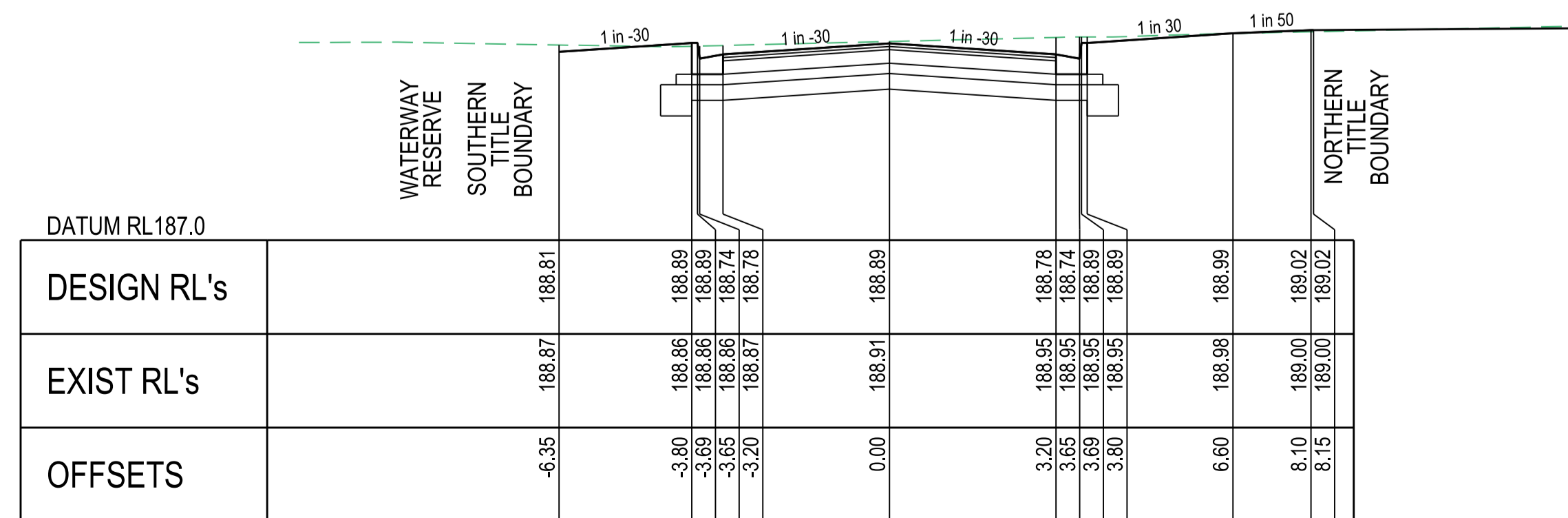
CH 66.81



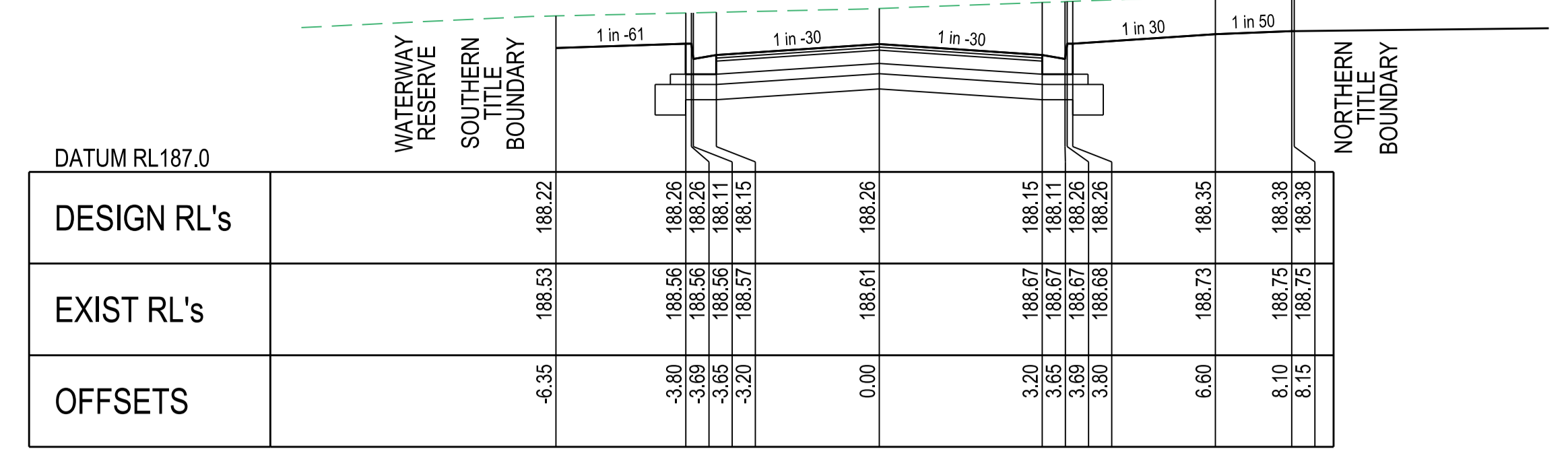
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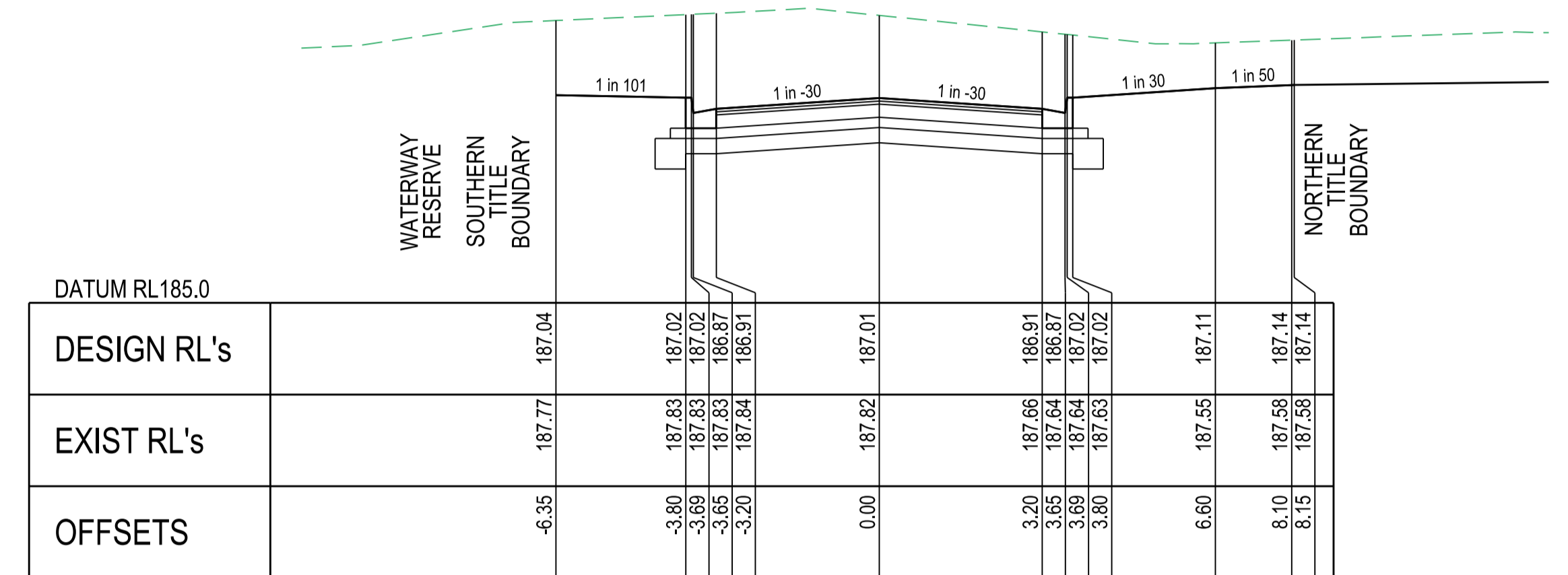
CH 132.11



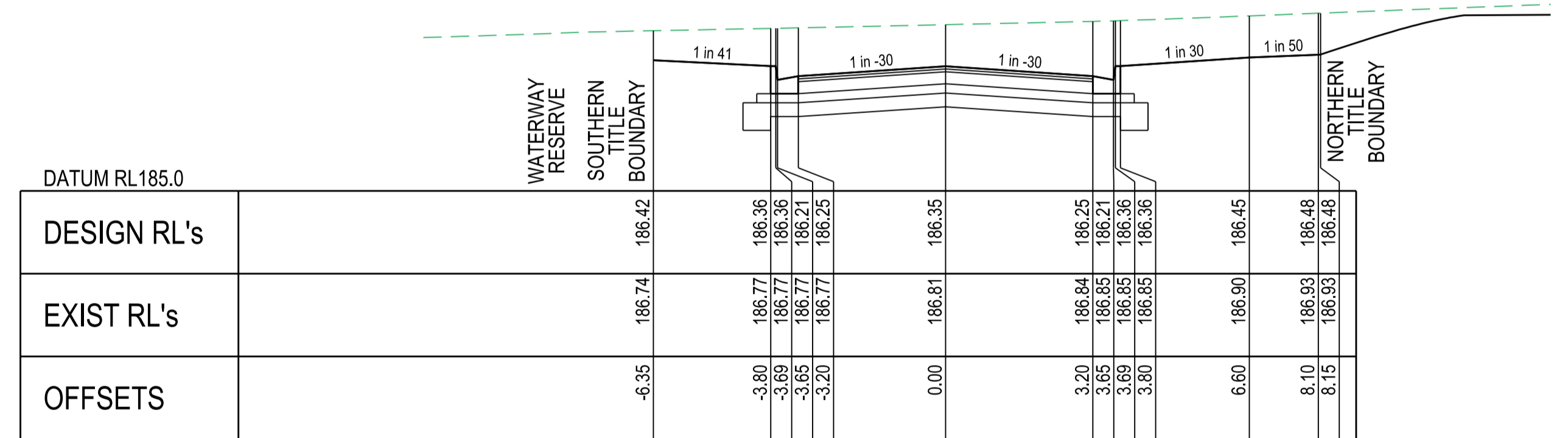
CH 198.11



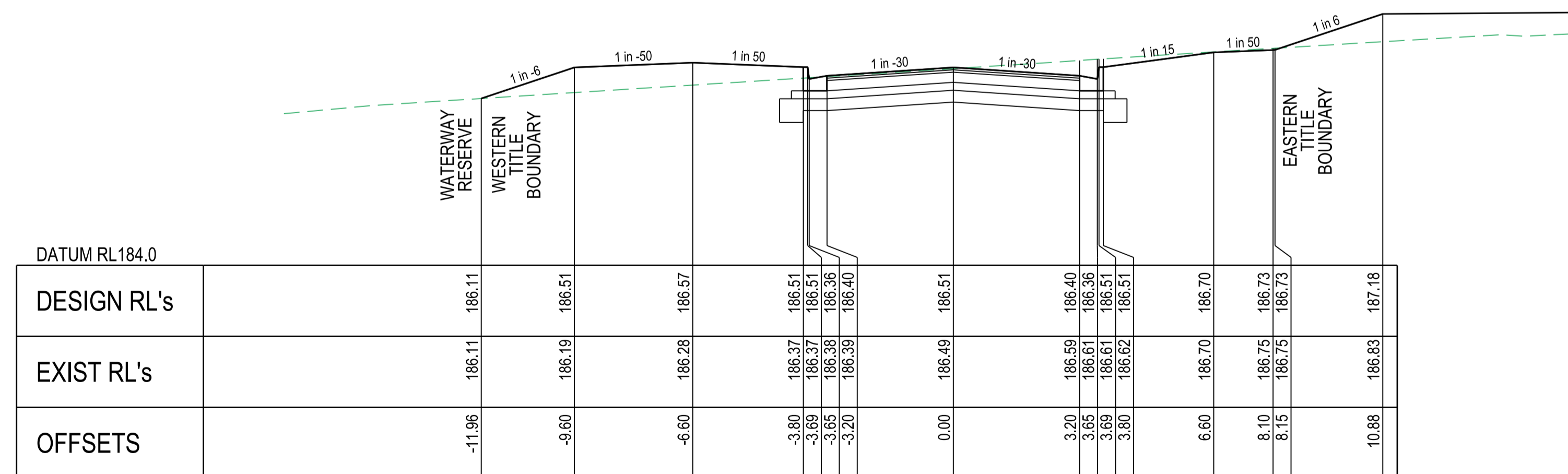
CH 248.11



CH 314.11



CH 350.58



AS CONSTRUCTED

CH 427.45

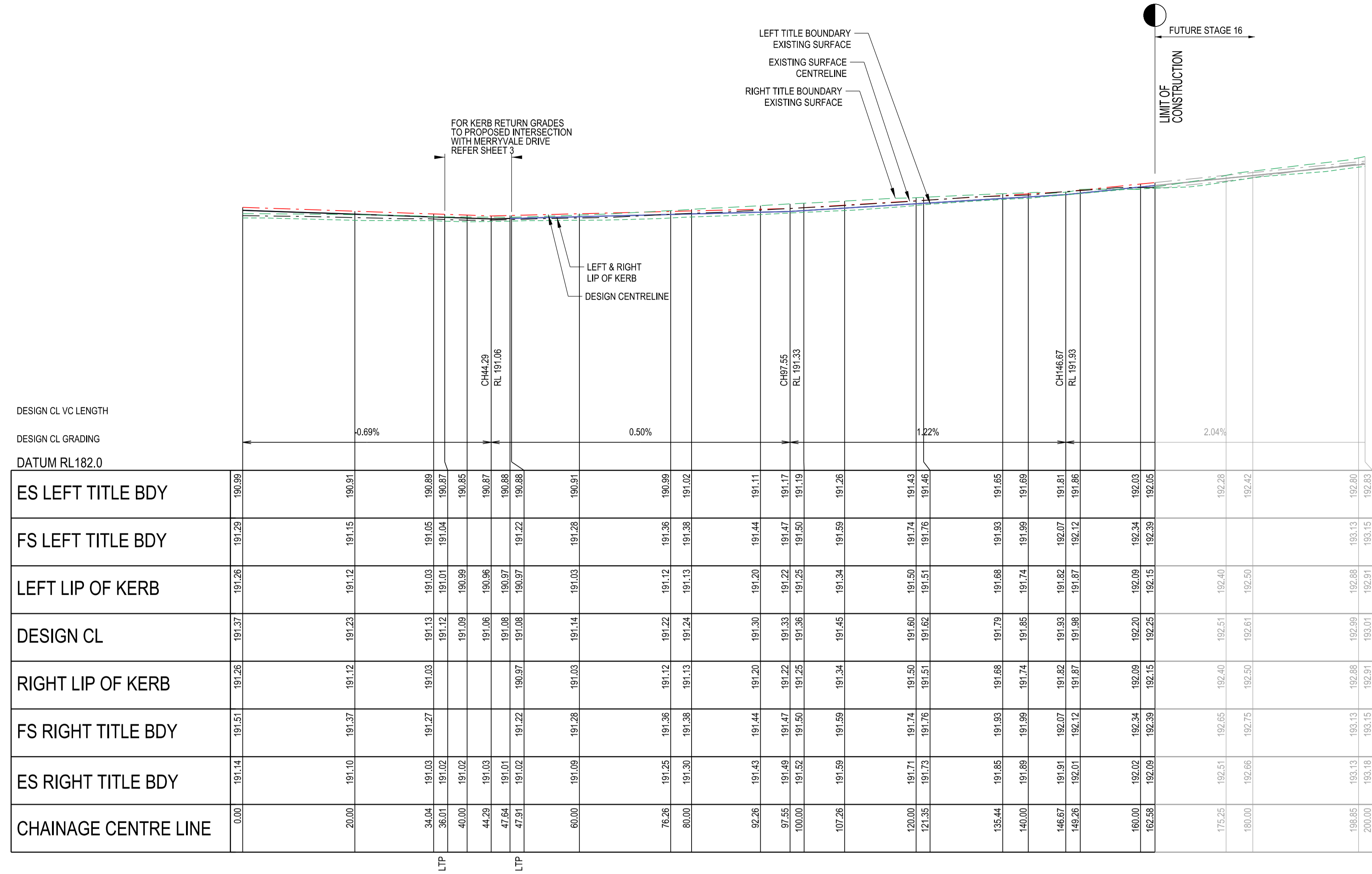
AMENDMENTS		MELWAY REF. 388-C-10	SURVEY BPD	DESIGN RGW	DRAWN RGW	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE SEP'21	SHEET 5 OF 12	MUNICIPALITY WHITTLESEA	REFERENCE 9365 E/15

breese pitt dixon pt. ltd.
land surveyors civil engineers

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

28.07.22 CONSTRUCTION ISSUE

RATHDOWNE ESTATE STAGE 15



DESIGN CL VC LENGTH
 DESIGN CL GRADING
 DATUM RL182.0

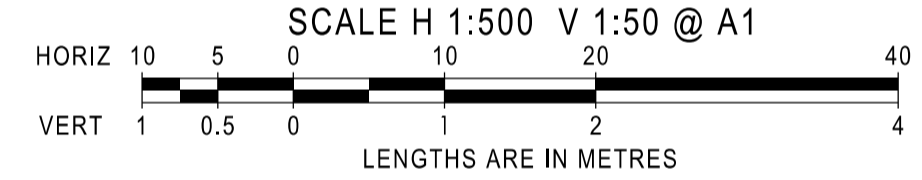
ES LEFT TITLE BDY	190.99	190.91	190.89	190.85	190.87	190.88	190.91	190.99	191.11	191.43	191.65	191.89	192.03	192.28	192.80
FS LEFT TITLE BDY	191.29	191.15	191.05	191.04	191.01	191.02	191.28	191.36	191.44	191.74	191.93	191.99	192.34	192.42	193.13
LEFT LIP OF KERB	191.26	191.12	191.03	191.01	191.01	191.02	191.03	191.12	191.20	191.50	191.68	191.74	192.09	192.15	192.89
DESIGN CL	191.37	191.23	191.13	191.09	191.06	191.08	191.14	191.22	191.30	191.60	191.79	191.85	192.20	192.25	193.01
RIGHT LIP OF KERB	191.26	191.12	191.03	191.01	191.01	191.02	191.03	191.12	191.20	191.51	191.68	191.74	192.09	192.15	192.91
FS RIGHT TITLE BDY	191.51	191.37	191.27	191.25	191.25	191.22	191.28	191.36	191.44	191.74	191.93	191.99	192.34	192.42	193.13
ES RIGHT TITLE BDY	191.14	191.10	191.03	191.02	191.01	191.02	191.09	191.25	191.33	191.63	191.81	191.87	192.09	192.15	193.18
CHAINAGE CENTRE LINE	0.00	20.00	34.04	36.01	40.00	44.29	47.64	60.00	76.26	80.00	92.26	97.55	100.00	107.26	120.00

FOR KERB RETURN GRADES TO PROPOSED INTERSECTION WITH MERRYVALE DRIVE REFER SHEET 3

LTP

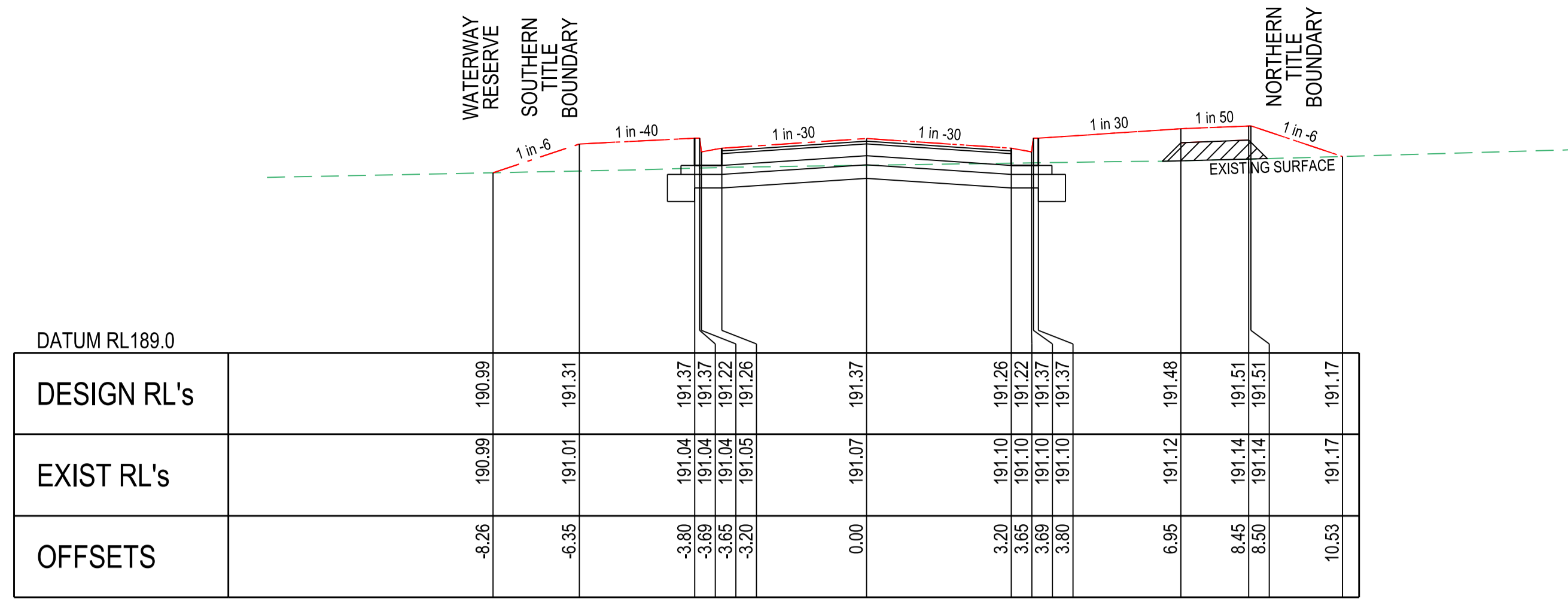
**GOLDRIDGE DRIVE
 LONGITUDINAL SECTION**

SCALE HORIZONTAL 1:500
 VERTICAL 1:50

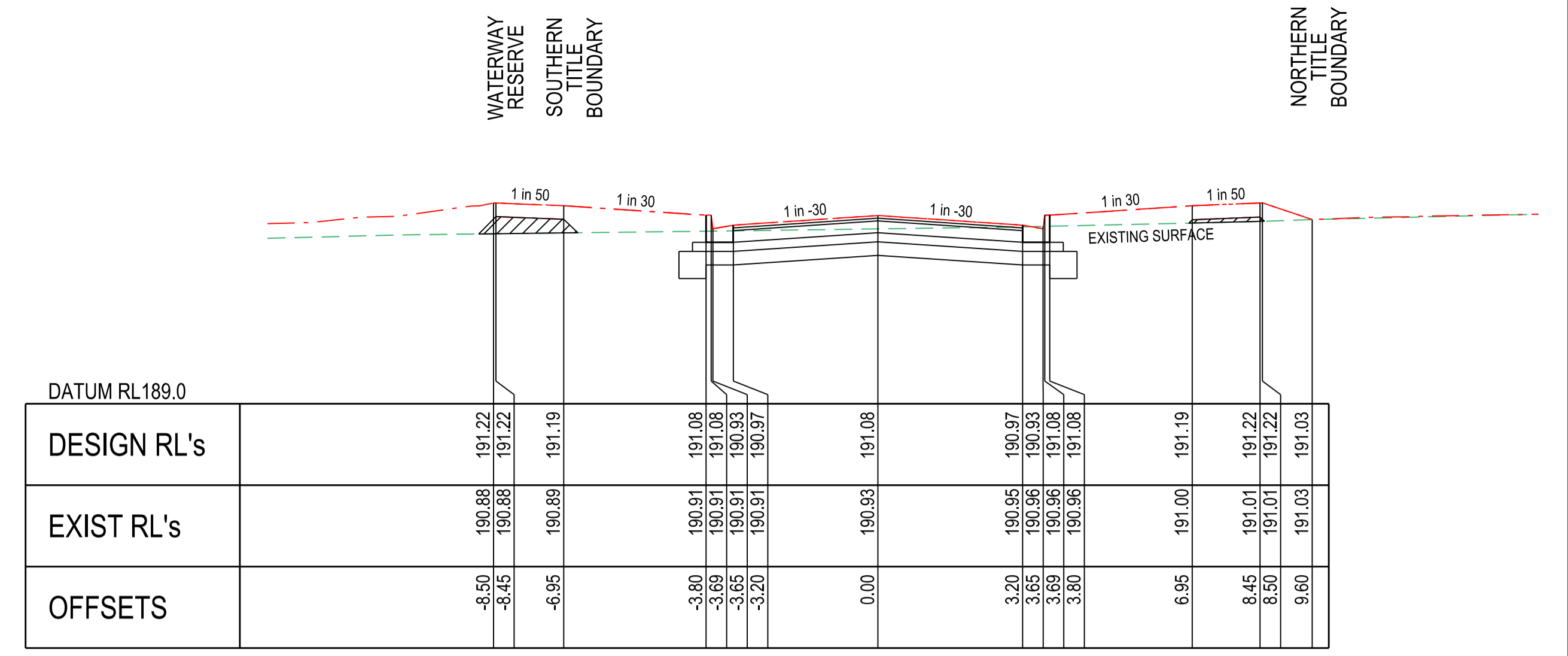


AS CONSTRUCTED

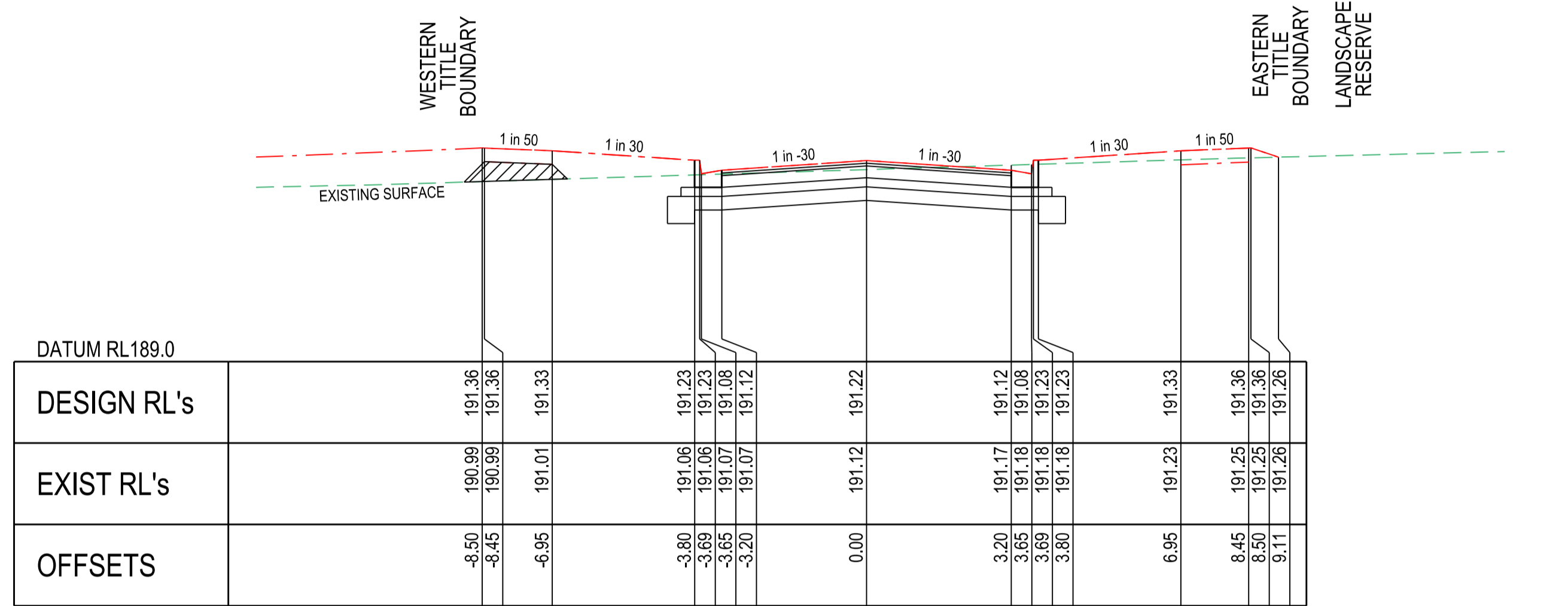
AMENDMENTS		 breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
		MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 15		MUNICIPALITY WHITTLESEA			
		SURVEY BPD			REFERENCE 9365 E/15			
A 28.07.22 CONSTRUCTION ISSUE		DESIGN RGW	DRAWN RGW		9365 E/15			
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD	DATE SEP'21	SHEET 6 OF 12	B



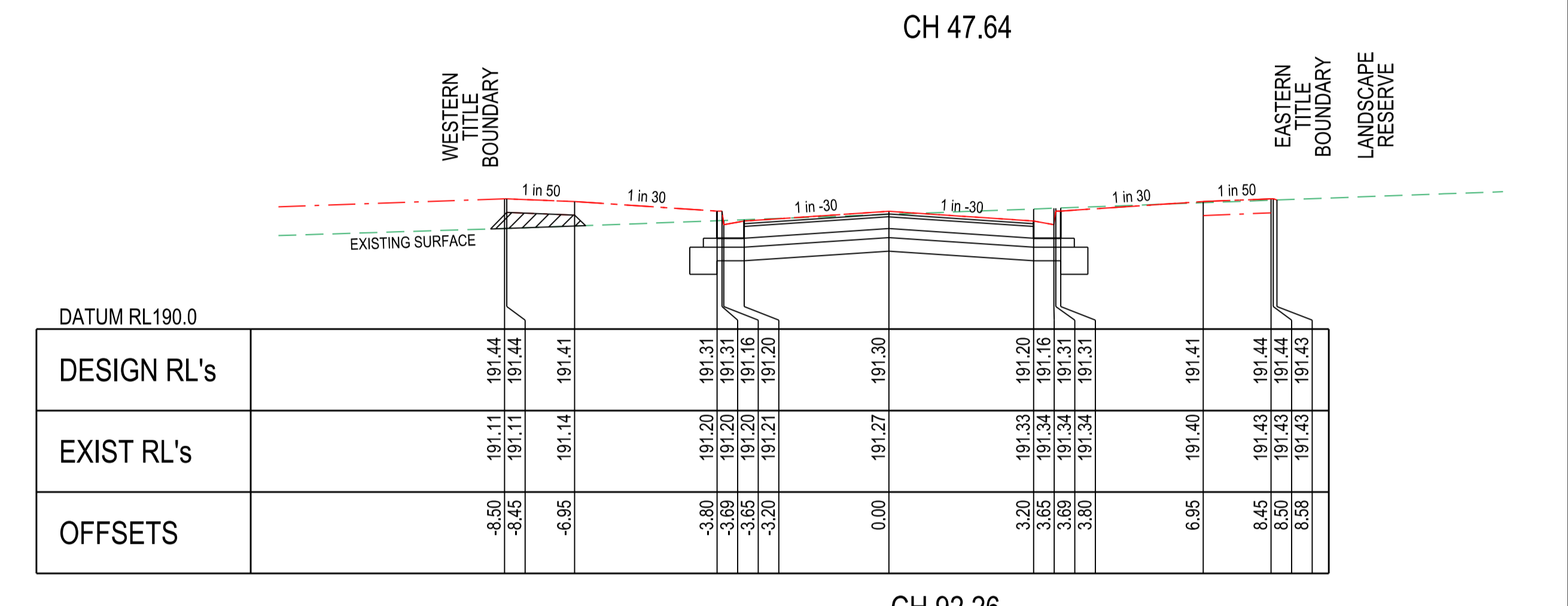
CH 0.00



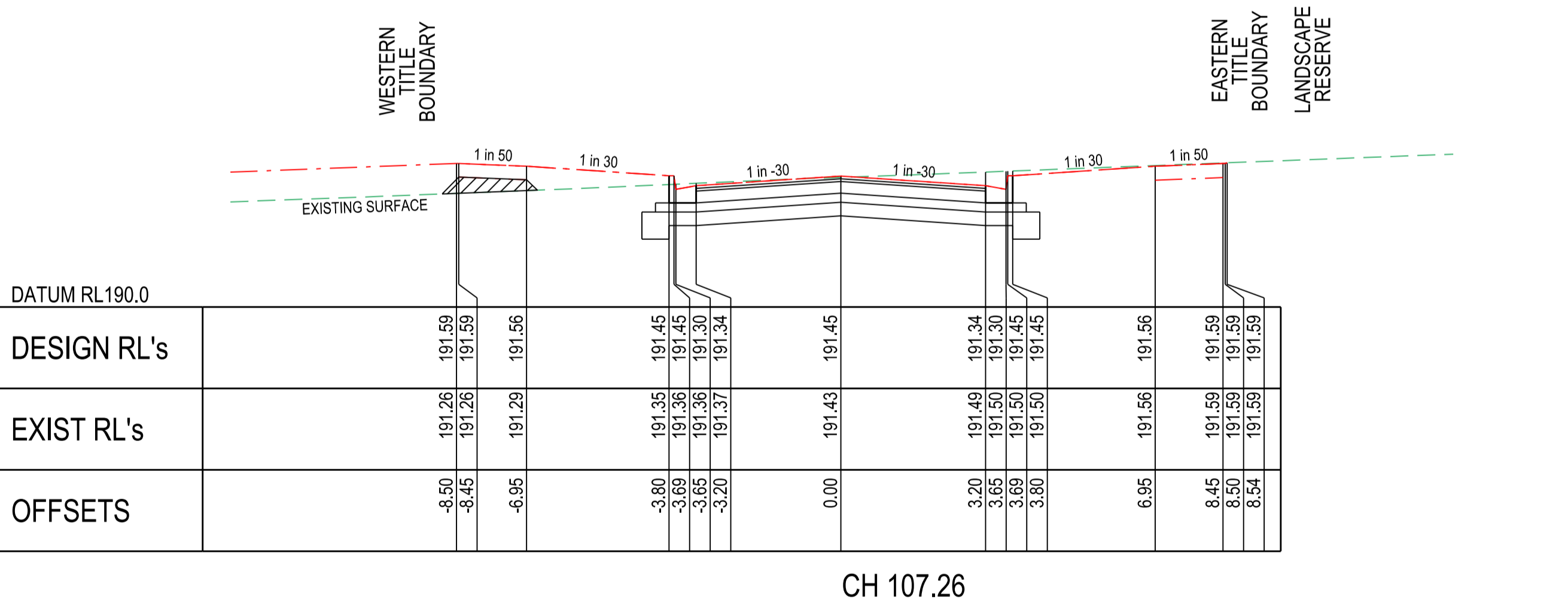
CH 47.64



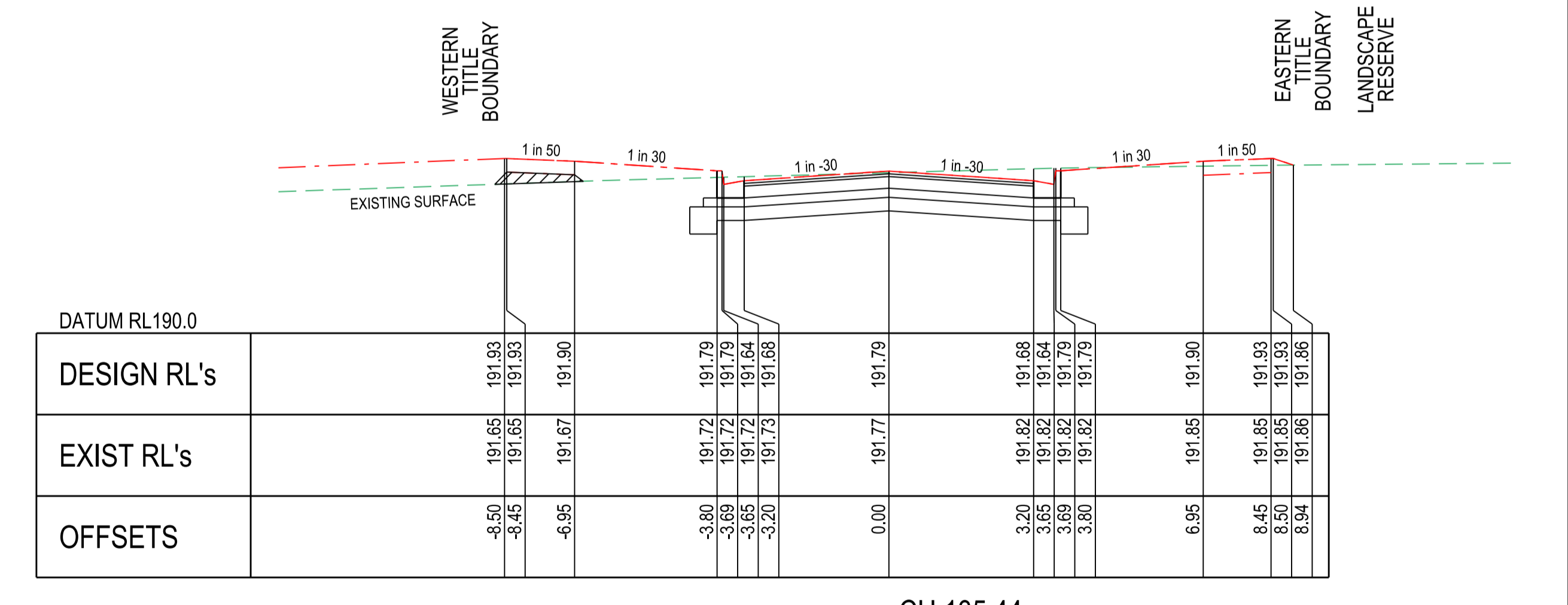
CH 76.26



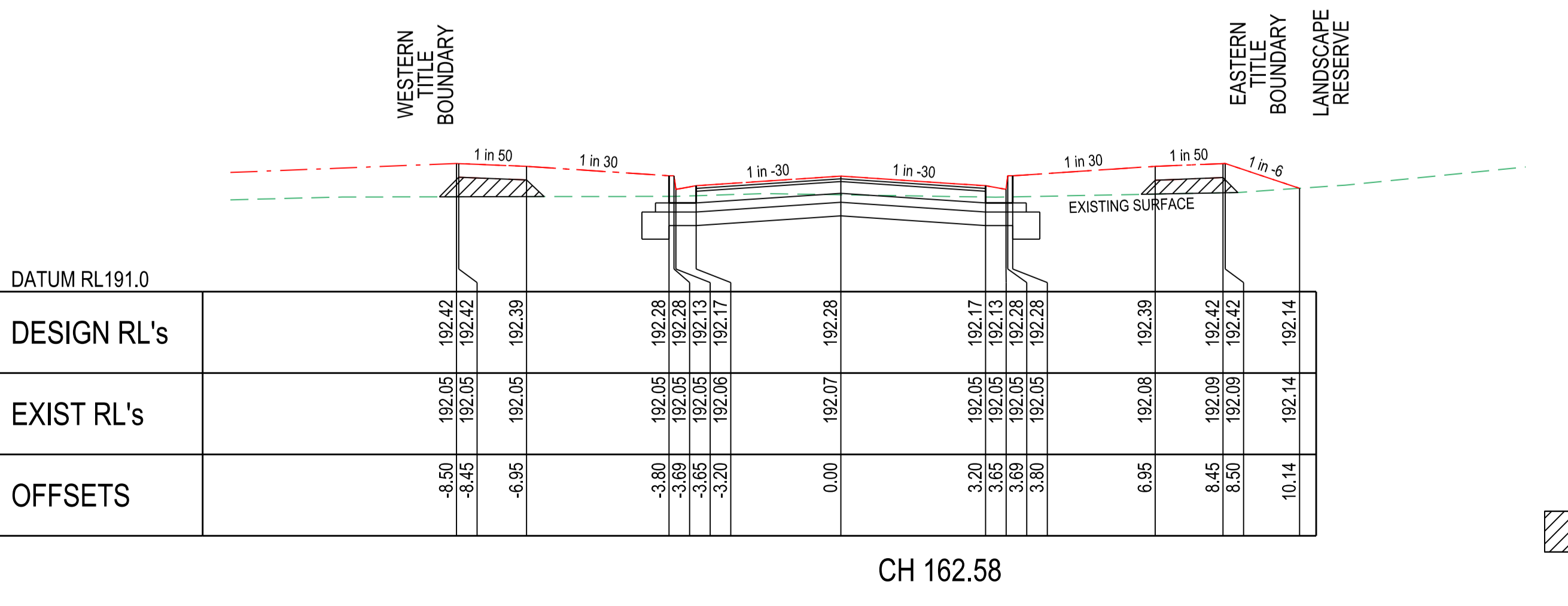
CH 92.26



CH 107.26



CH 135.44

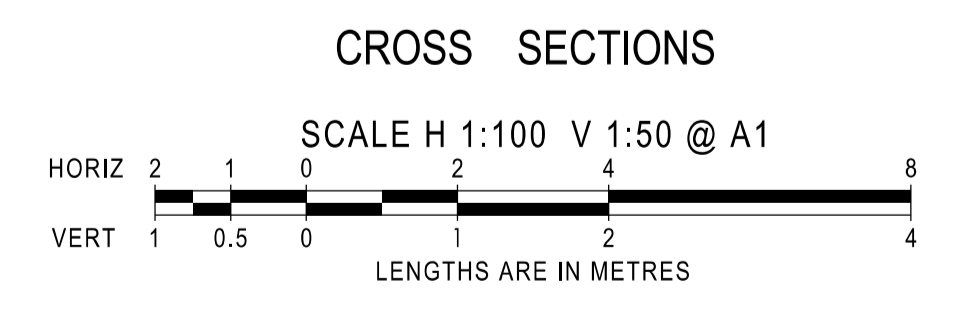


CH 162.58

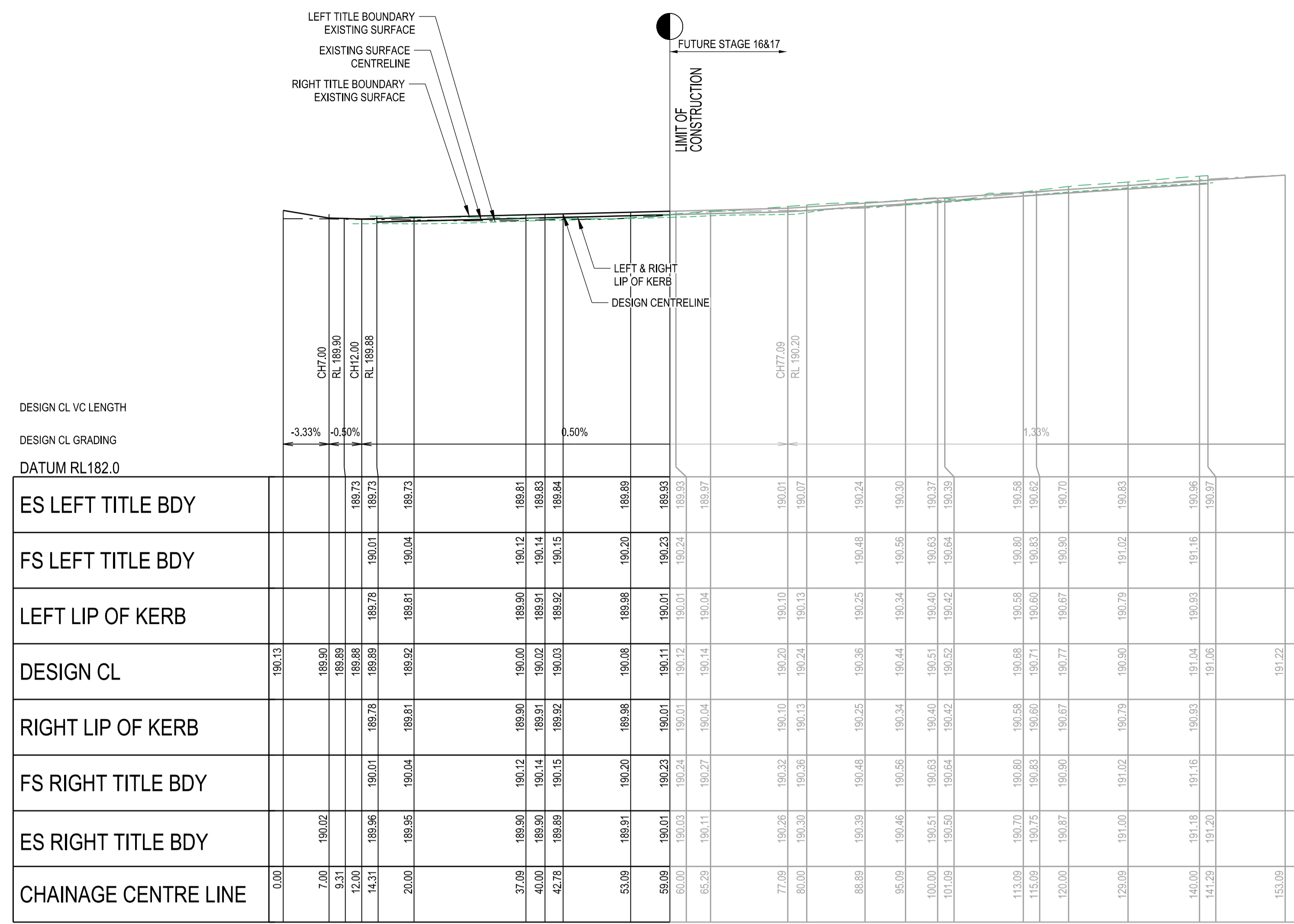
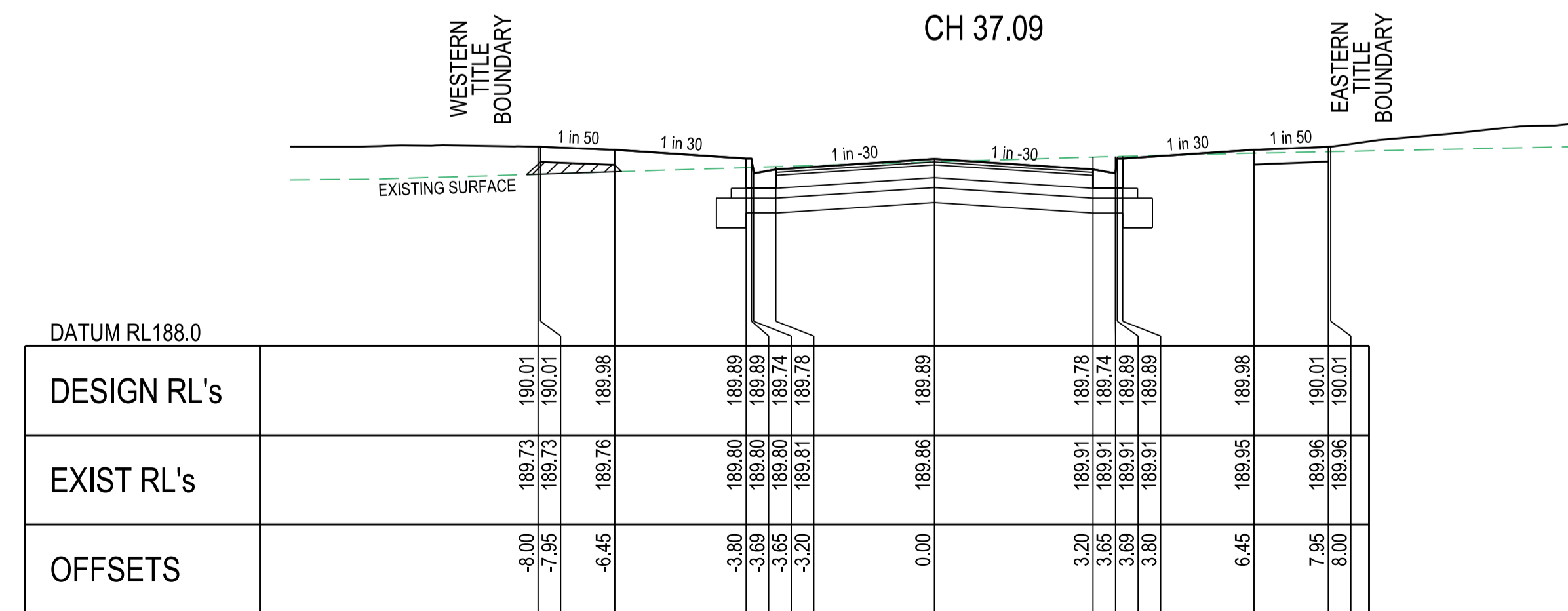
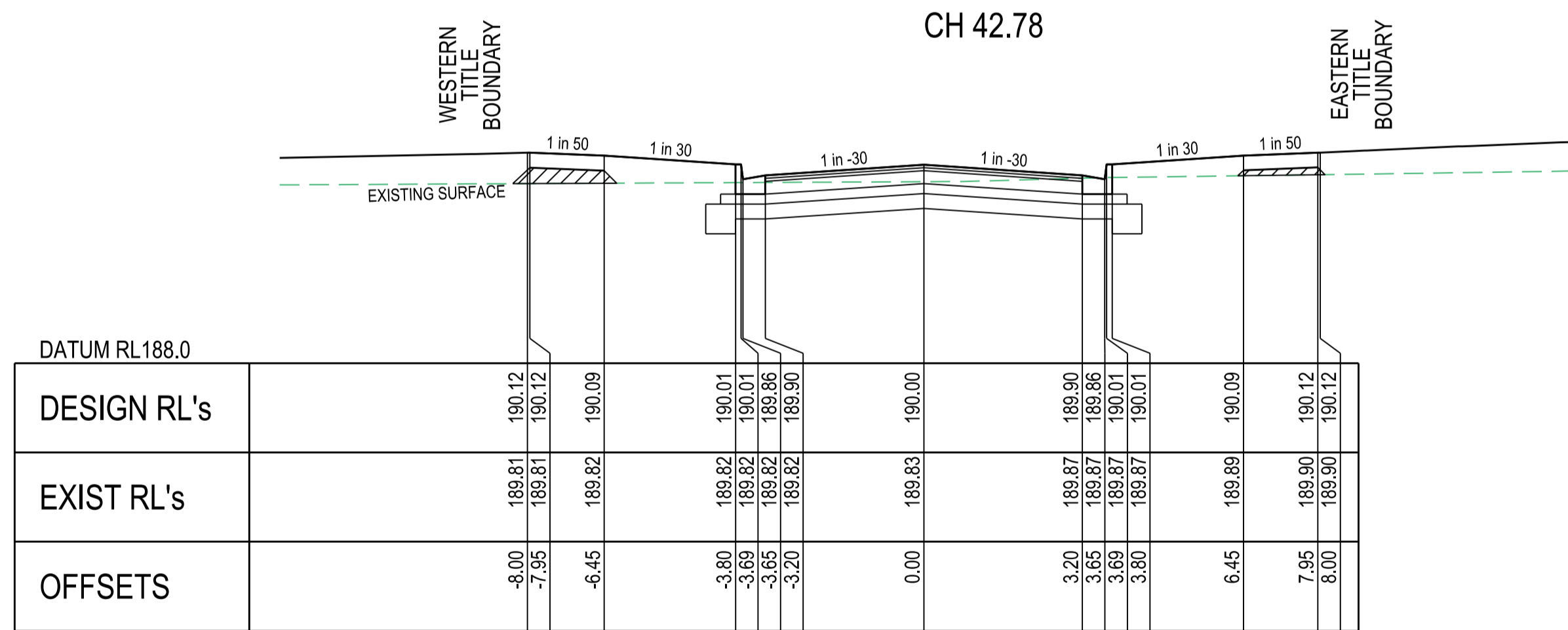
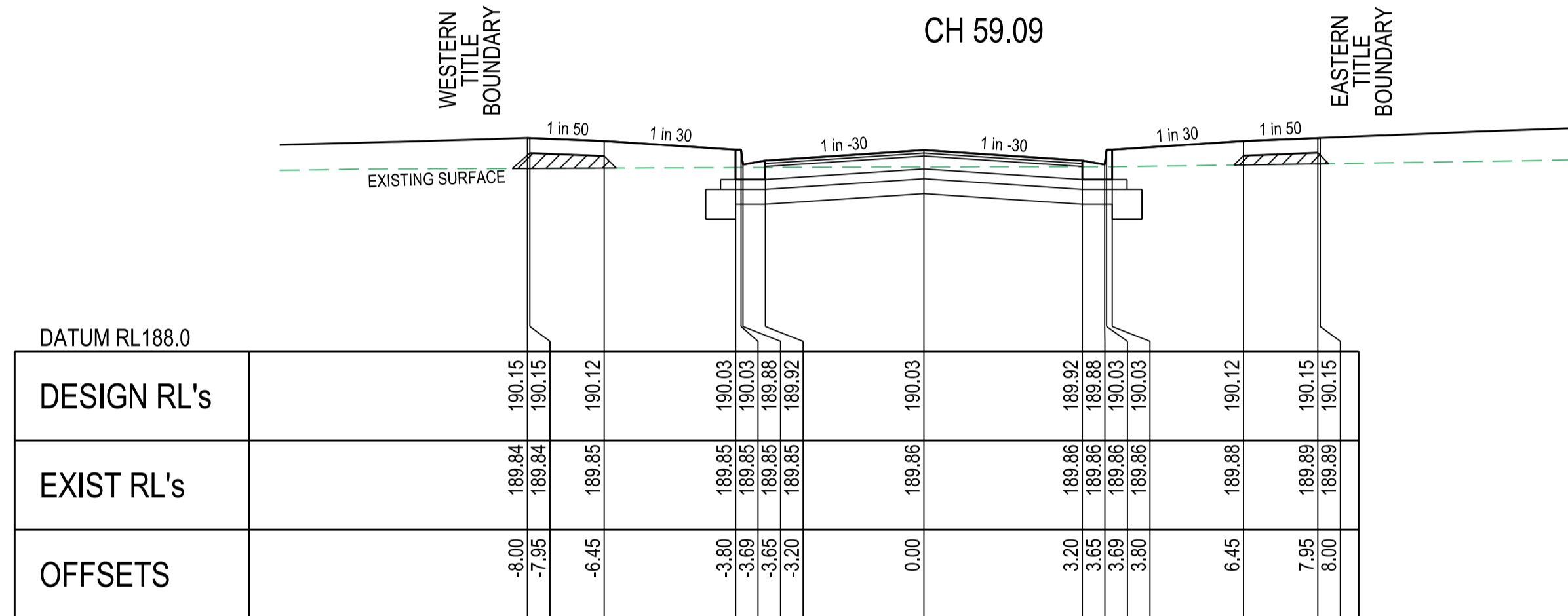
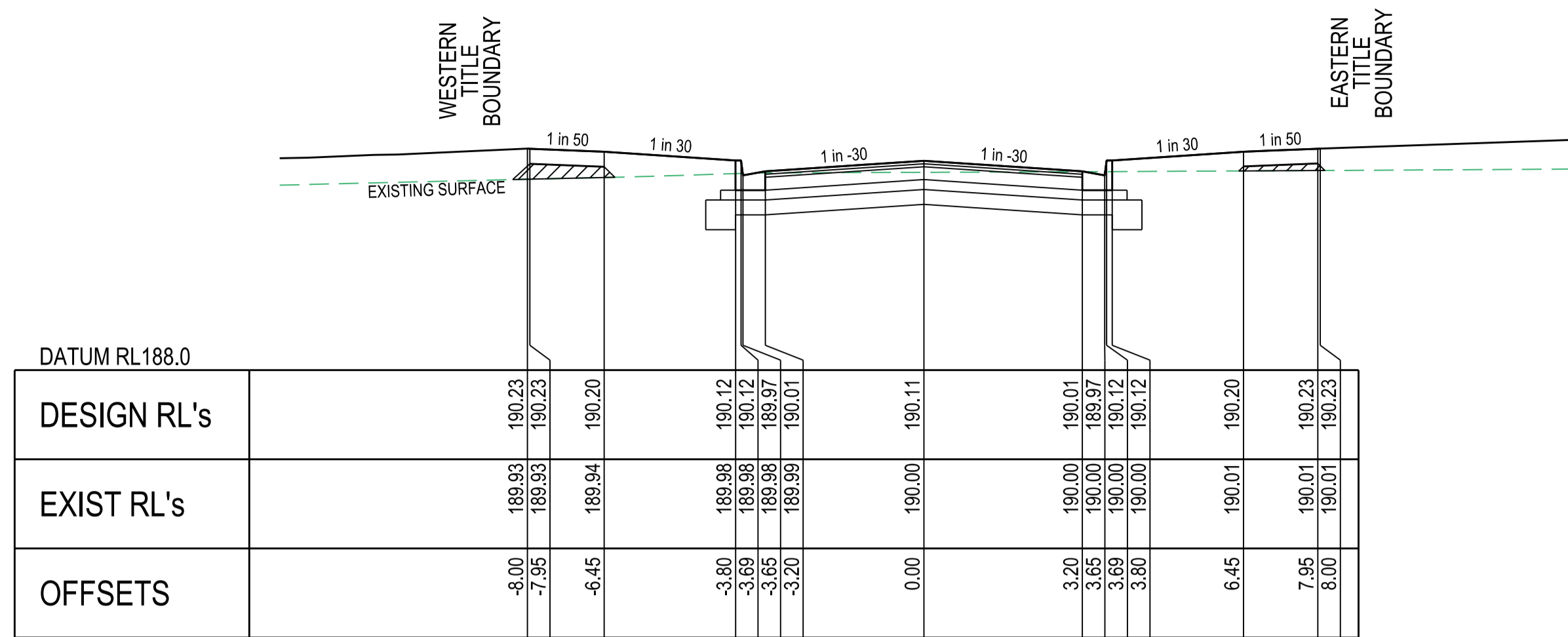
INDICATES CRUSHED ROCK BACKFILL REFER NOTE 35, SHEET 2 LEVEL 1 SUPERVISION REQUIRED

GOLDRIDGE DRIVE

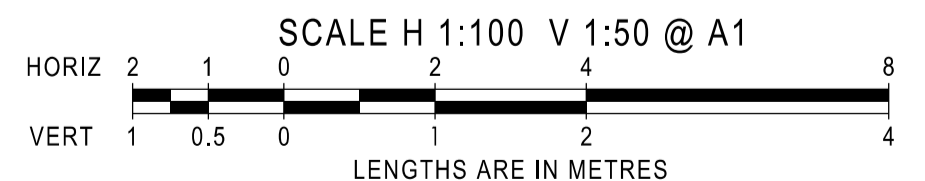
AS CONSTRUCTED



AMENDMENTS		MELWAY REF. 388-C-10		bpd breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		SURVEY BPD		RATHDOWNE ESTATE STAGE 15		MUNICIPALITY WHITTLESEA	
		DESIGN RGW				REFERENCE 9365 E/15	
A	28.07.22	CONSTRUCTION ISSUE		DRAWN RGW		DATE SEP'21	
VER	DATE	REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD	
						SHEET 7 OF 12 B	



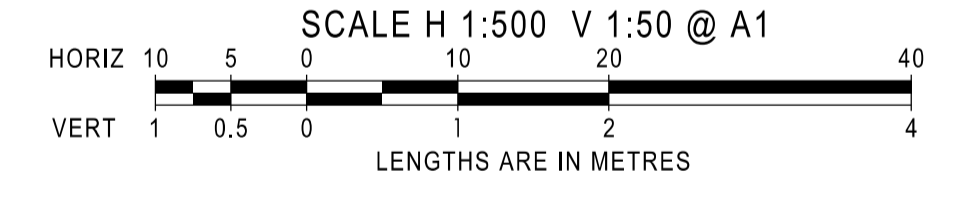
**SAPPORO ROAD
CROSS SECTIONS**
SCALE HORIZONTAL 1:100
VERTICAL 1:50



INDICATES CRUSHED ROCK BACKFILL REFER NOTE 35, SHEET 2 LEVEL 1 SUPERVISION REQUIRED

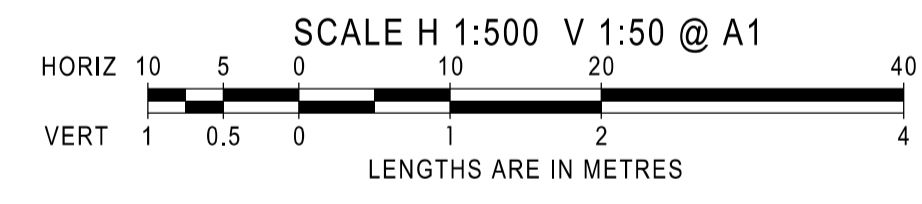
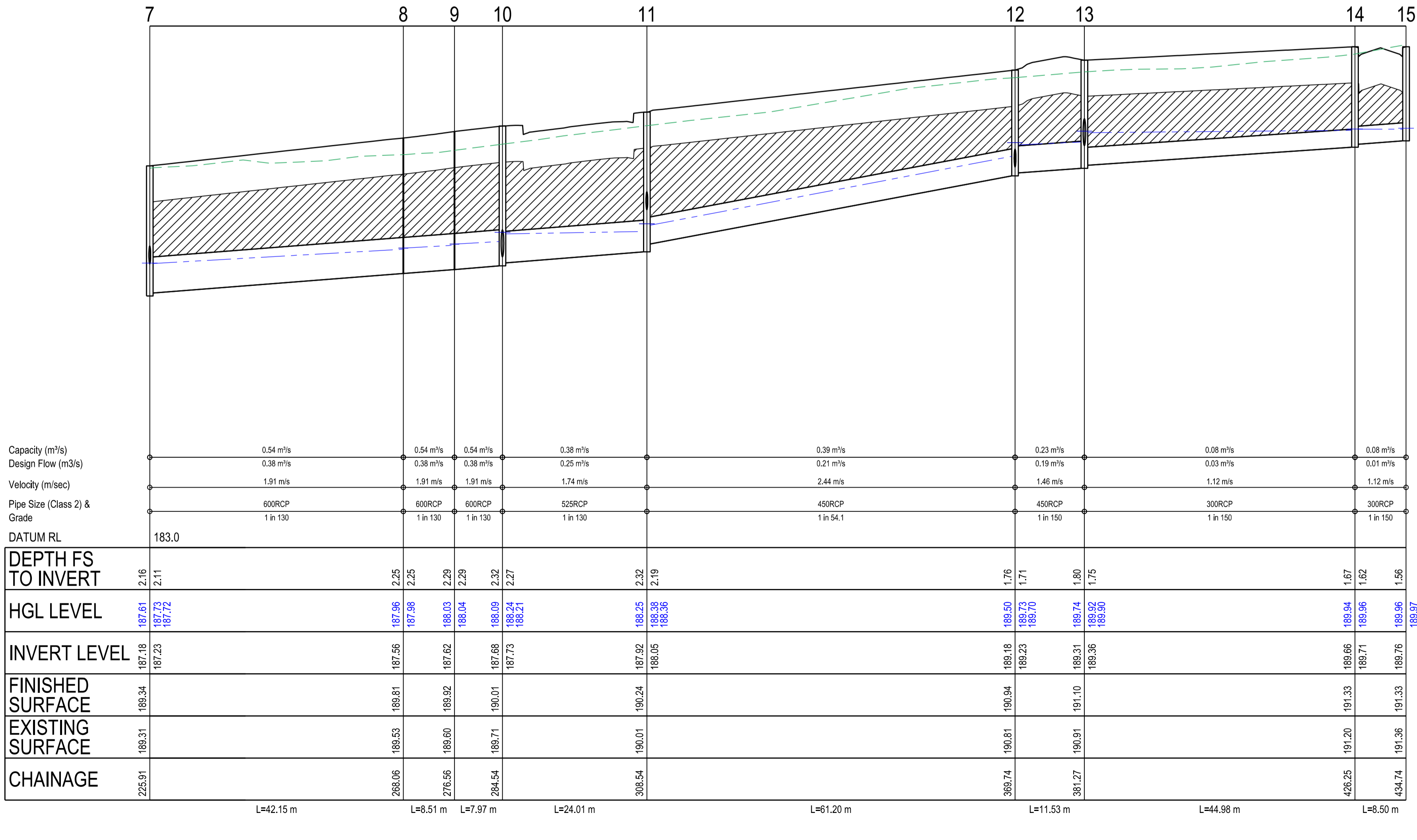
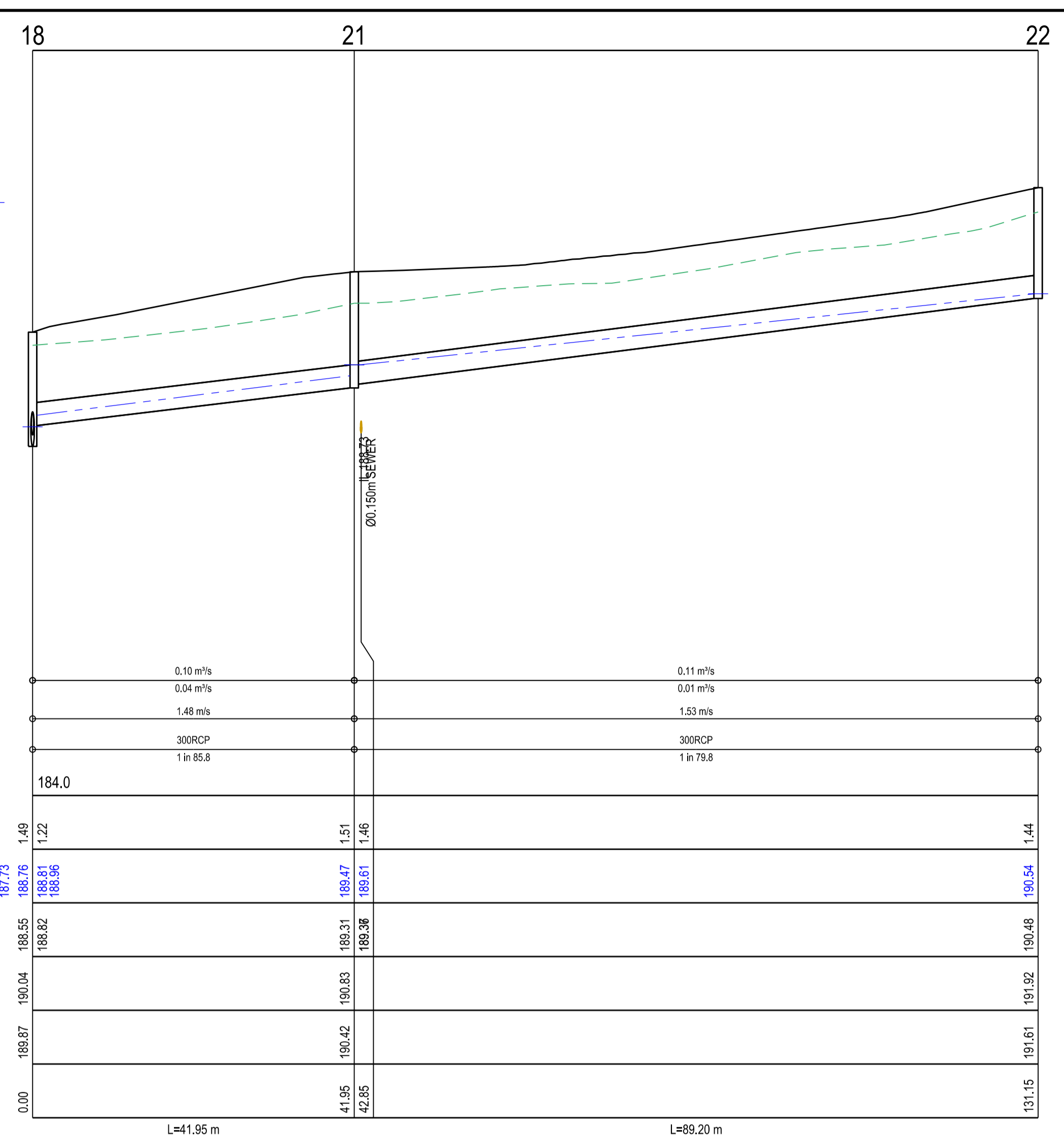
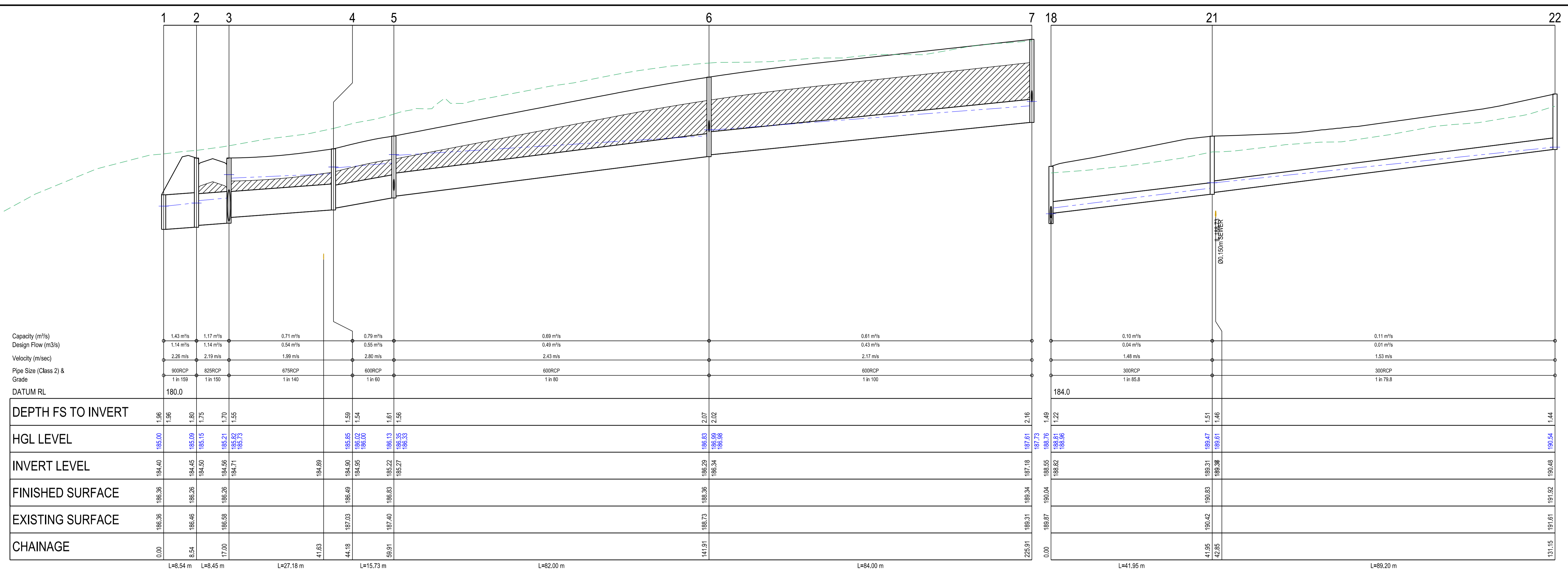
**SAPPORO ROAD
LONGITUDINAL SECTION**

SCALE HORIZONTAL 1:500
VERTICAL 1:50



AS CONSTRUCTED

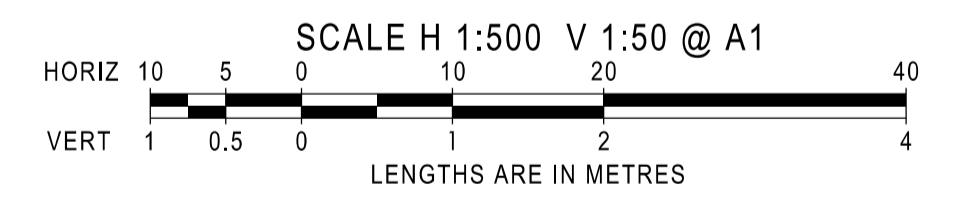
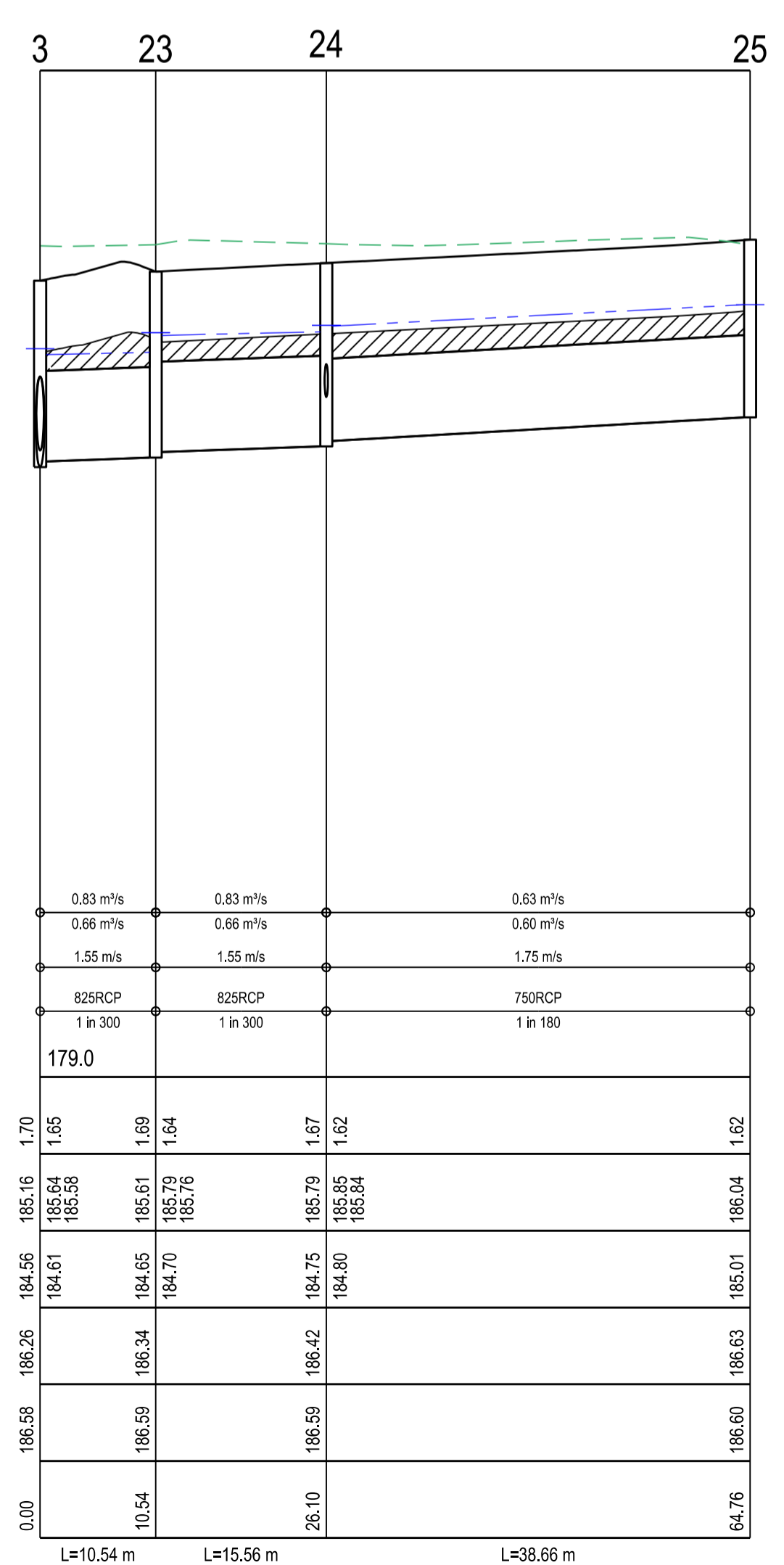
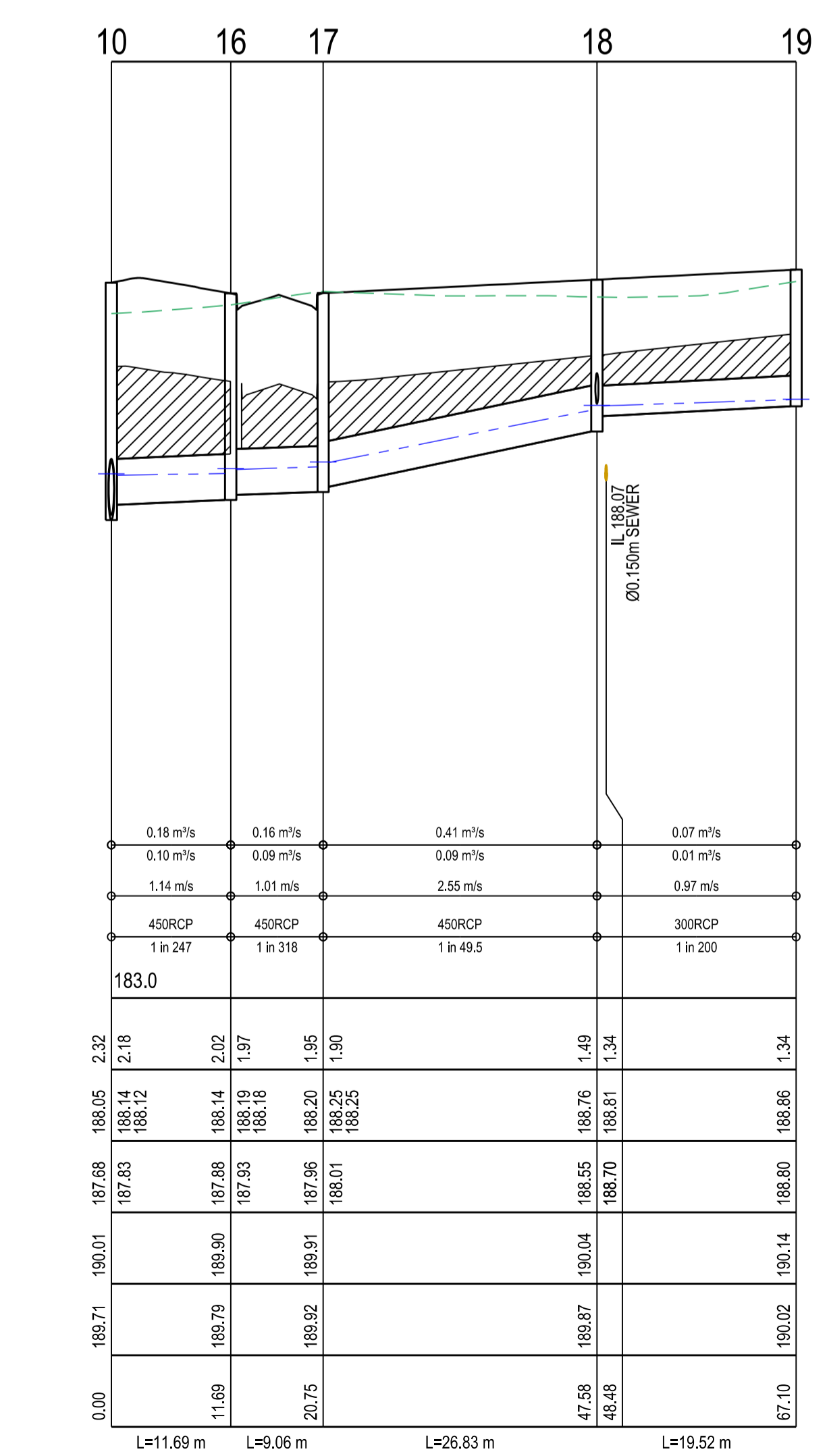
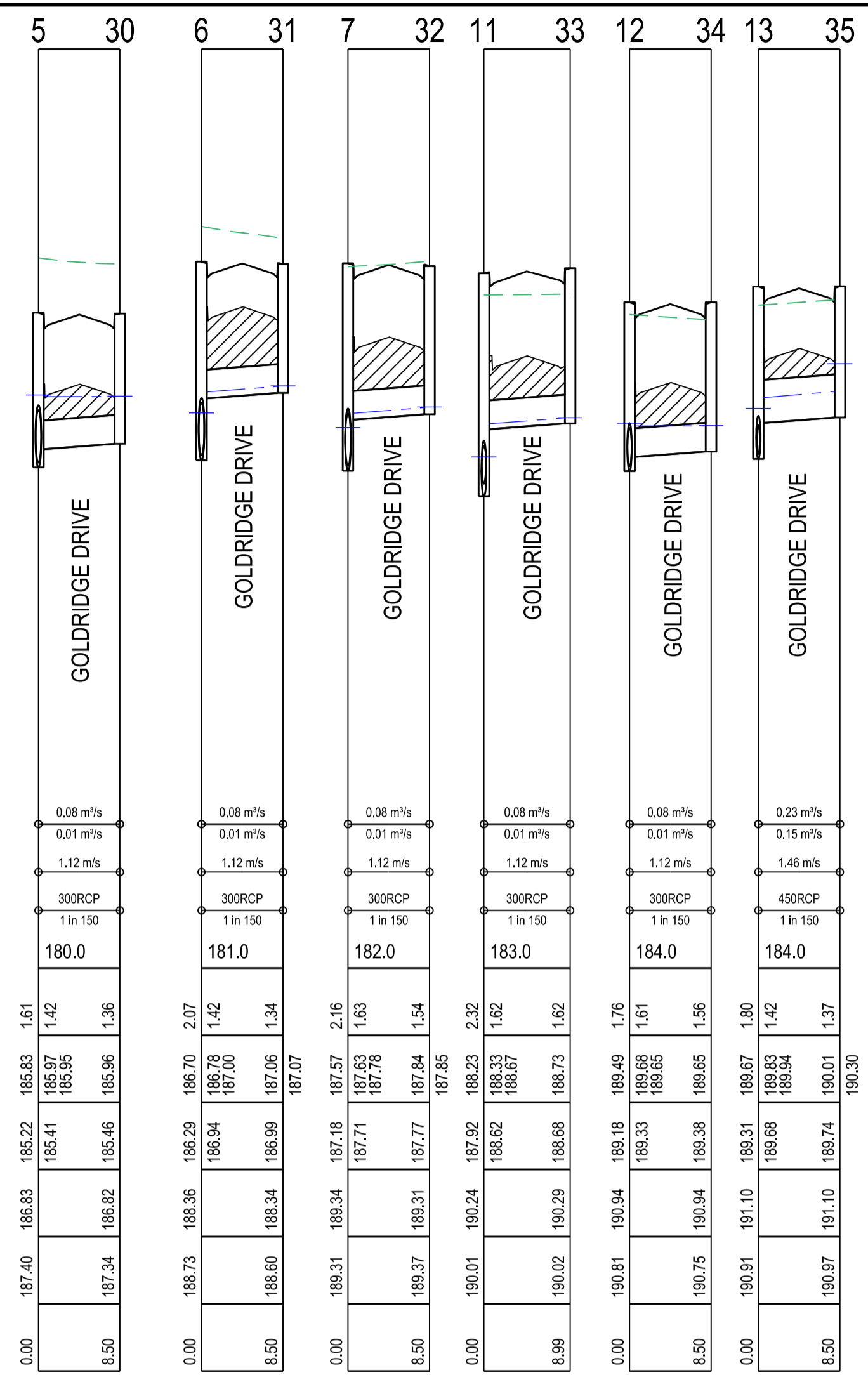
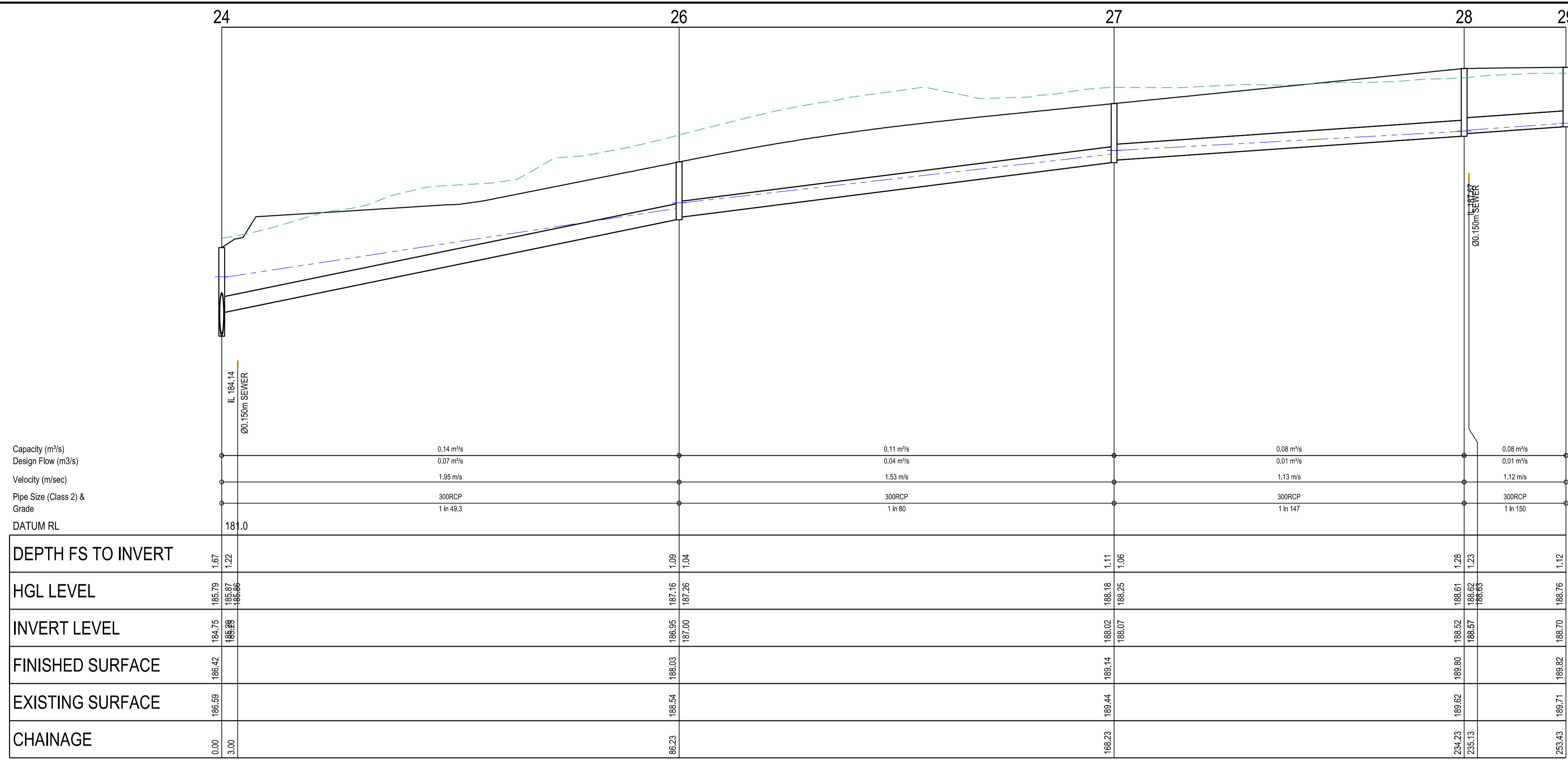
AMENDMENTS		MELWAY REF. 388-C-10		breeze pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
		SURVEY BPD		RATHDOWNE ESTATE STAGE 15		MUNICIPALITY WHITTLESEA	
		DESIGN RGW				REFERENCE 9365 E/15	
A	28.07.22	CONSTRUCTION ISSUE		DRAWN RGW		SHEET 8 OF 12	
VER	DATE	REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD DATE SEP'21 SHEET 8 OF 12 B	



INDICATES CRUSHED ROCK BACKFILL
INDICATES 5YR HGL

AS CONSTRUCTED

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 15	
		SURVEY	BPD		
		DESIGN	RGW	MUNICIPALITY WHITTLESEA	
		DRAWN	RGW	REFERENCE 9365 E/15	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
A	28.07.22	CONSTRUCTION ISSUE			DATE SEP'21
				SHEET 9 OF 12	B



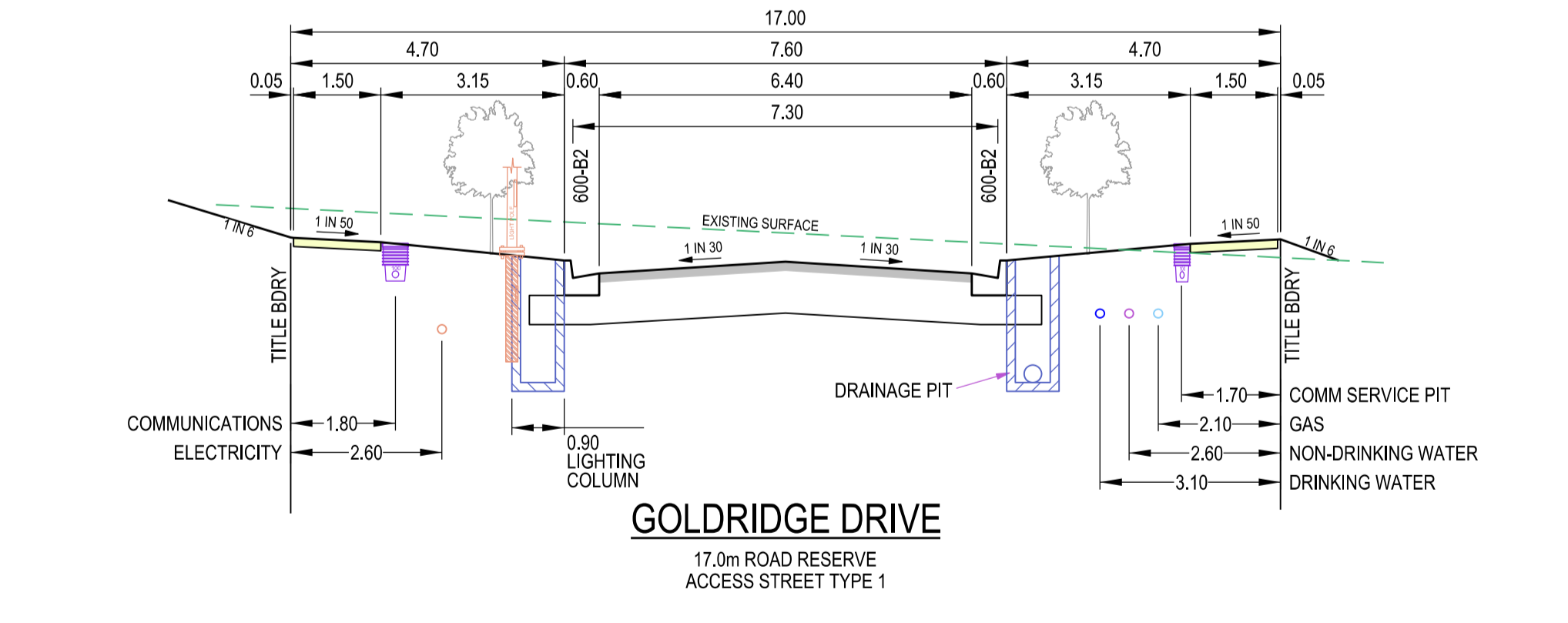
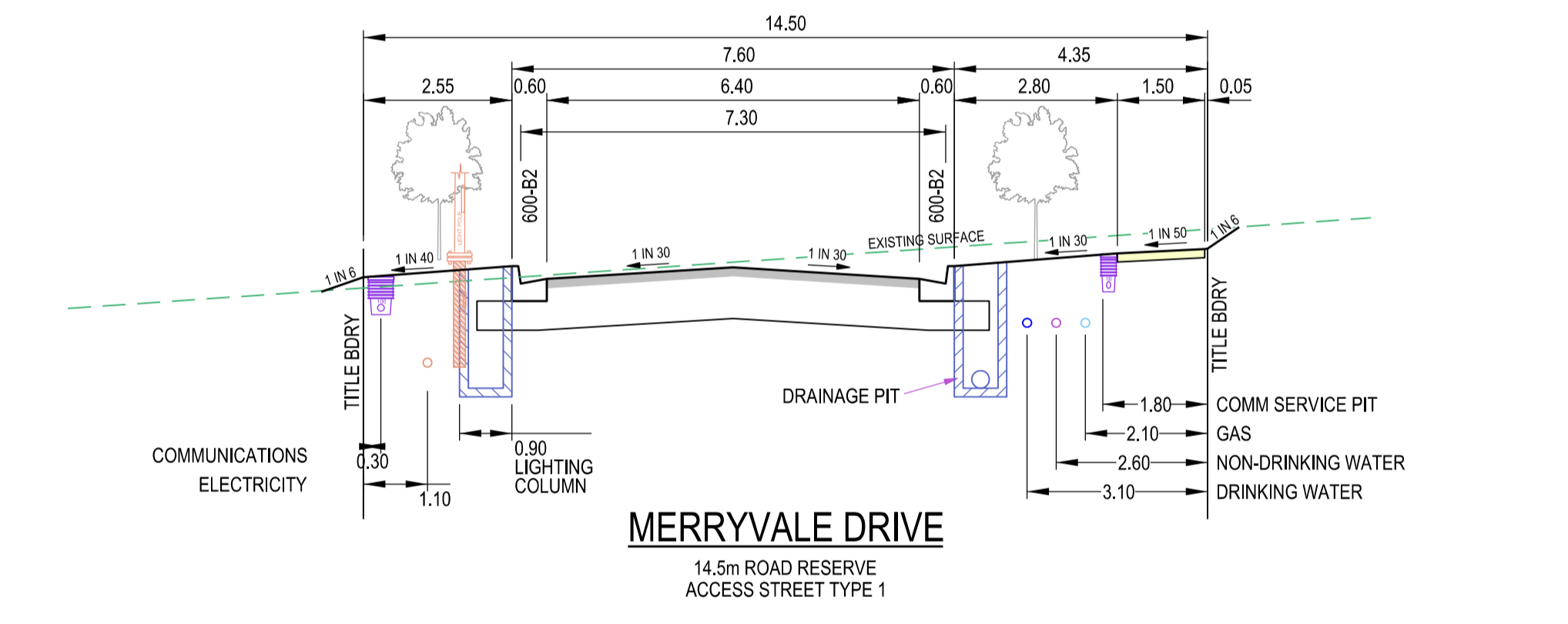
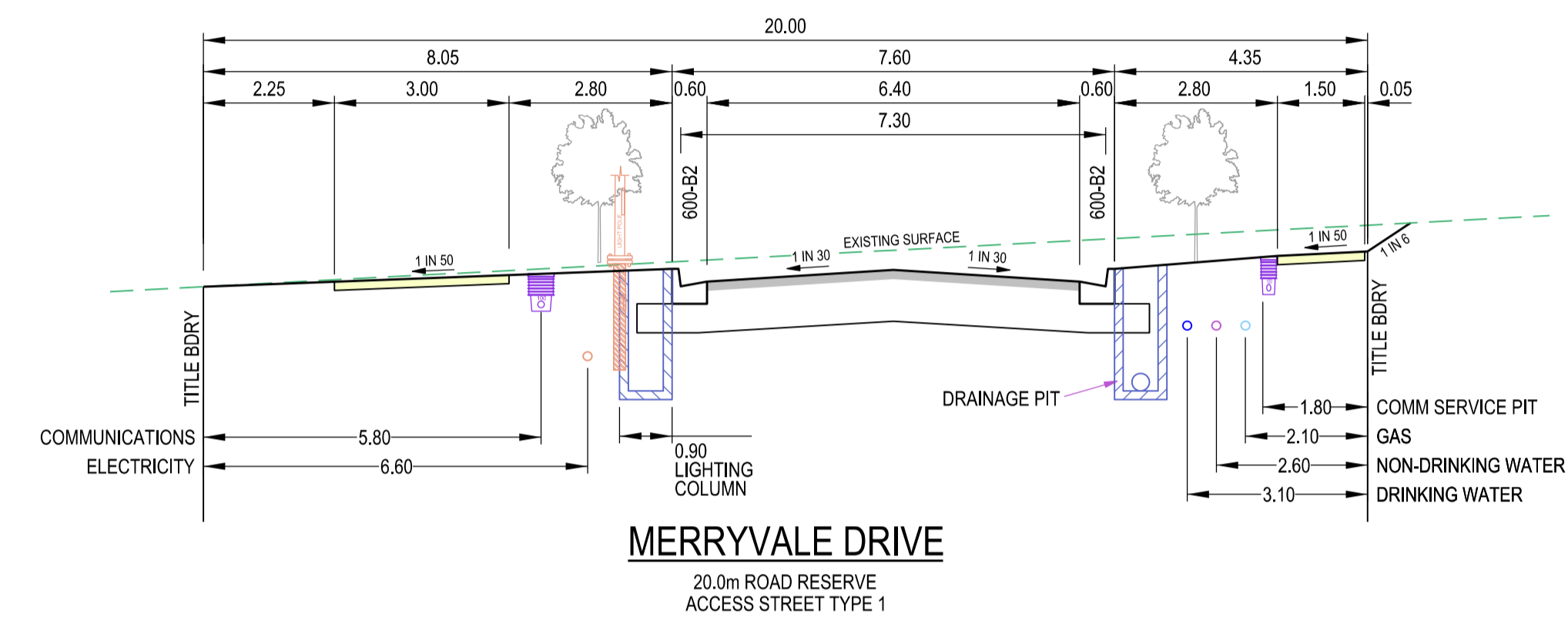
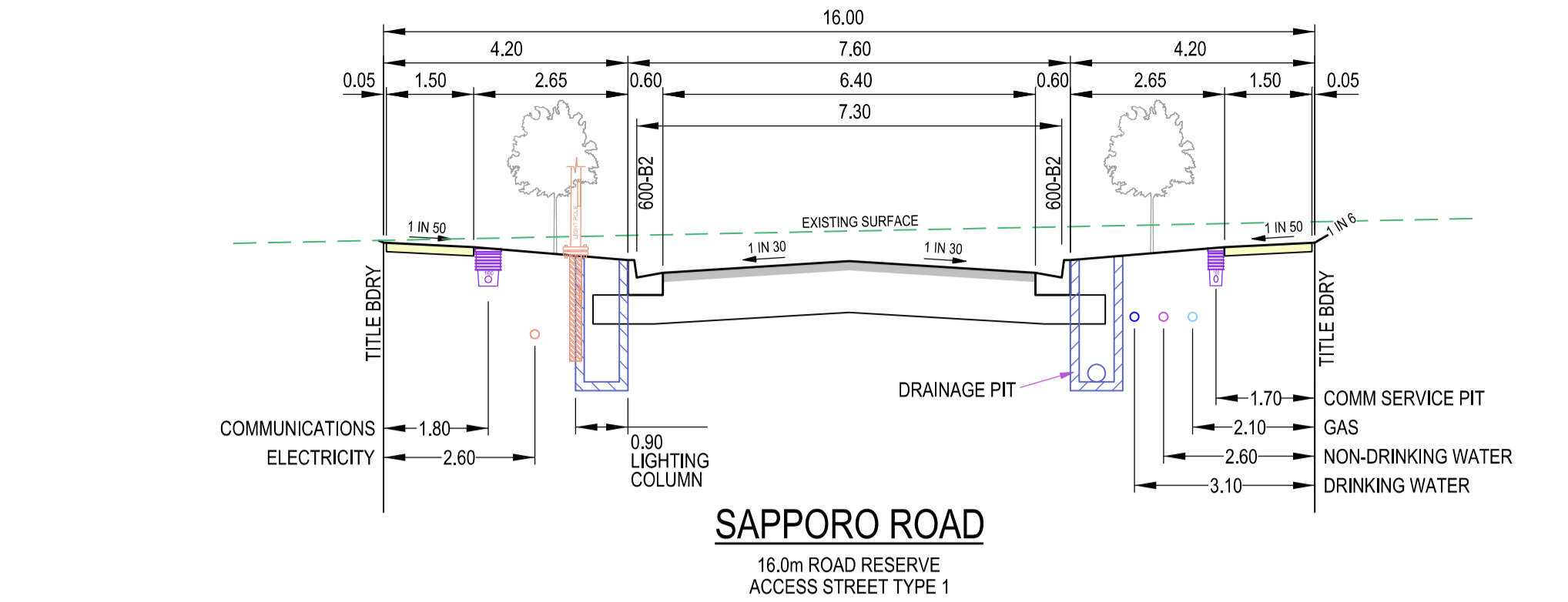
INDICATES CRUSHED ROCK BACKFILL
INDICATES 5YR HGL

AS CONSTRUCTED

AMENDMENTS		 breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
A		MELWAY REF.	388-C-10	MUNICIPALITY	
A		SURVEY	BPD	WHITTLESEA	
A		DESIGN	RGW	REFERENCE	
A		DRAWN	RGW	9365 E/15	
VER	DATE	REMARKS	CHECKED	SCALE AS SHOWN	DATUM AHD
					DATE SEP'21
					SHEET 10 OF 12

PIT SCHEDULE

PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP PIT RL	DEPTH INVERT	REMARKS
				INVERT	DIA	INVERT	DIA			
1	END PIPE			184.400	900			186.362	1.962	CONNECT TO WQ6
2	GRATED ENTRY PIT	900	1500	184.504	825	184.454	900	186.255	1.801	VPA STD DWG EDCM601&607 (HAUNCHED)
3	GRATED ENTRY PIT	900	1500	184.710	675	184.560	825	186.257	1.697	VPA STD DWG EDCM601&607 (HAUNCHED)
			1500	184.611	825					
4	JUNCTION PIT	900	900	184.954	600	184.904	675	186.495	1.591	VPA STD DWG EDCM607 (HAUNCHED)
5	GRATED ENTRY PIT	900	1500	185.266	600	185.216	600	186.828	1.612	VPA STD DWG EDCM601&607 (HAUNCHED)
			1500	185.407	300					
6	GRATED ENTRY PIT	900	1500	186.341	600	186.291	600	188.361	2.070	VPA STD DWG EDCM601&607 (HAUNCHED)
			1500	186.936	300					
7	GRATED ENTRY PIT	900	900	187.232	600	187.182	600	189.344	2.163	CONSTRUCT OVER EXISTING 600 DIA DRAIN
			1500	187.714	300					
8	TANGENT POINT		1500	187.556	600	187.556	600	189.808	2.252	0.00
9	TANGENT POINT			187.621	600	187.621	600	189.916	2.295	0
10	GRATED ENTRY PIT	900	900	187.733	525	187.683	600	190.007	2.325	VPA STD DWG EDCM601&607 (HAUNCHED)
				187.832	450					
11	GRATED ENTRY PIT	900	900	188.047	450	187.917	525	190.24	2.323	VPA STD DWG EDCM601&607 (HAUNCHED)
				188.615	300					
12	GRATED ENTRY PIT	900	600	189.228	450	189.178	450	190.938	1.759	VPA STD DWG EDCM601
				189.325	300					
13	GRATED ENTRY PIT	900	600	189.355	300	189.305	450	191.101	1.796	VPA STD DWG EDCM601
				189.68	450					
14	GRATED ENTRY PIT	900	600	189.705	300	189.655	300	191.326	1.671	VPA STD DWG EDCM601
15	GRATED ENTRY PIT	900	600			189.762	300	191.326	1.565	VPA STD DWG EDCM601
16	GRATED ENTRY PIT	900	600	187.929	450	187.879	450	189.904	2.024	VPA STD DWG EDCM601
17	GRATED ENTRY PIT	900	600	188.008	450	187.958	450	189.906	1.948	VPA STD DWG EDCM601
18	JUNCTION PIT	900	600	188.7	300	188.55	450	190.038	1.488	VPA STD DWG EDCM605
				188.822	300					
19	END PIPE					188.798	300	190.135	1.338	GRADE TO FREE OUTLET
21	JUNCTION PIT	900	600	189.361	300	189.311	300	190.826	1.515	VPA STD DWG EDCM605
22	JUNCTION PIT	900	600			190.478	300	191.922	1.444	VPA STD DWG EDCM605
23	GRATED ENTRY PIT	900	1050	184.696	825	184.646	825	186.341	1.695	VPA STD DWG EDCM601&607 (HAUNCHED)
24	JUNCTION PIT	900	1050	184.798	750	184.748	825	186.419	1.671	VPA STD DWG EDCM607 (HAUNCHED)
				185.198	300					
25	END PIPE					185.013	750	186.632	1.62	GRADE TO FREE OUTLET
26	JUNCTION PIT	900	600	186.996	300	186.946	300	188.035	1.089	VPA STD DWG EDCM605
27	JUNCTION PIT	900	600	188.071	300	188.021	300	189.136	1.115	VPA STD DWG EDCM605
28	JUNCTION PIT	900	600	188.569	300	188.519	300	189.797	1.278	VPA STD DWG EDCM605
29	JUNCTION PIT	900	600			188.697	300	189.818	1.121	VPA STD DWG EDCM605
30	GRATED ENTRY PIT	900	600			185.464	300	186.82	1.356	VPA STD DWG EDCM601
31	GRATED ENTRY PIT	900	600			186.993	300	188.337	1.345	VPA STD DWG EDCM601
32	GRATED ENTRY PIT	900	600			187.771	300	189.314	1.544	VPA STD DWG EDCM601
33	GRATED ENTRY PIT	900	600			188.675	300	190.293	1.618	VPA STD DWG EDCM601
34	GRATED ENTRY PIT	900	600			189.382	300	190.938	1.556	VPA STD DWG EDCM601
35	GRATED ENTRY PIT	900	600			189.737	450	191.104	1.368	VPA STD DWG EDCM601




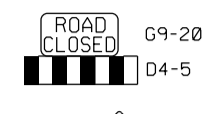

TYPICAL ROAD CROSS SECTIONS
SCALE HORIZONTAL 1:100
VERTICAL 1:50

AS CONSTRUCTED





AMENDMENTS				 breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
				RATHDOWNE ESTATE STAGE 15	MUNICIPALITY WHITTLESEA
				DRAWN RGW	REFERENCE 9365 E/15
				CHECKED	SCALE AS SHOWN DATUM AHD
				DATE SEP'21	SHEET 11 OF 12 B

J:\H385\Eng\Stage 15\E15_R11_DRN3.dgn Plot: 28/08/2023


SIGNAGE LEGEND

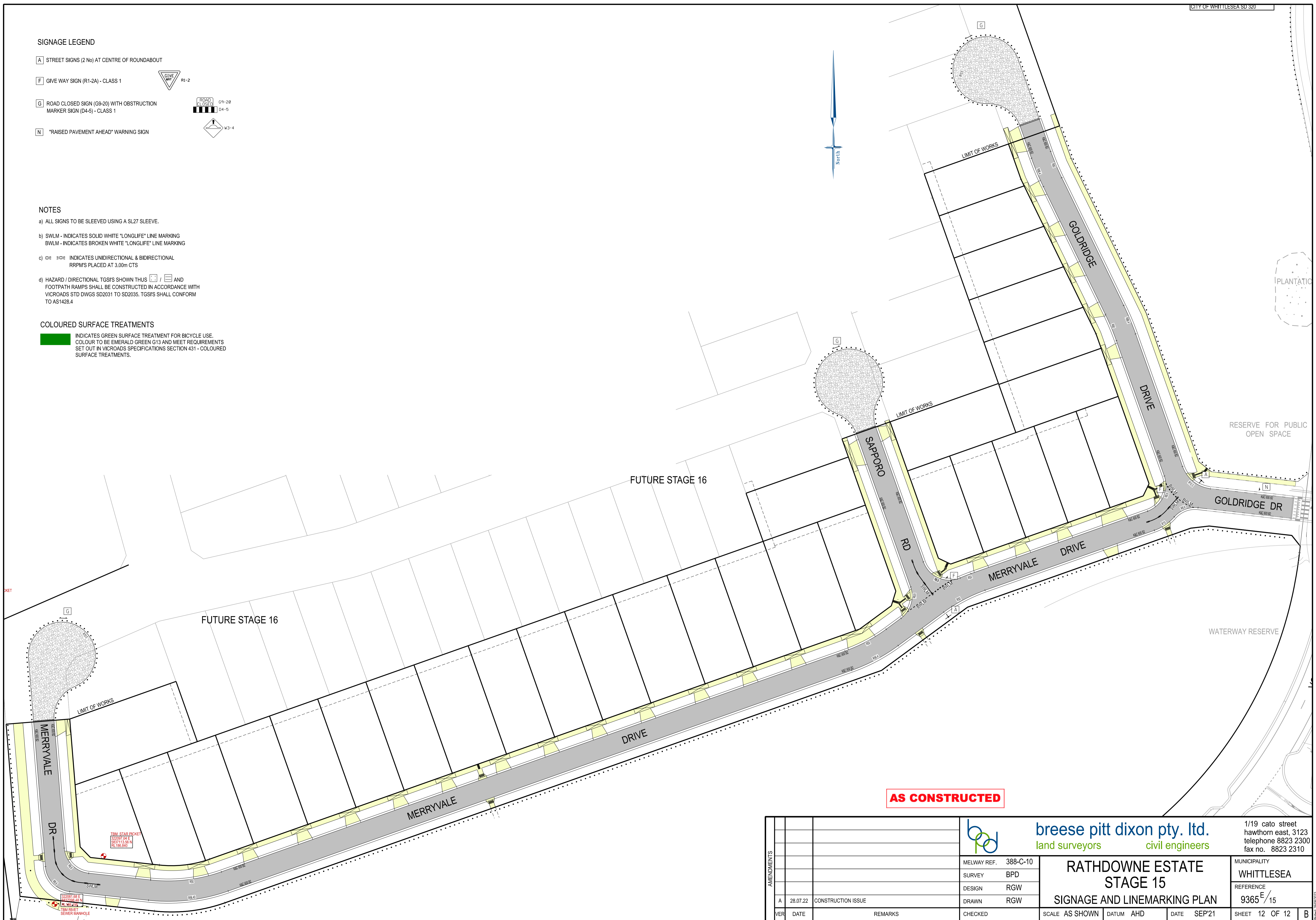
- A** STREET SIGNS (2 No) AT CENTRE OF ROUNDABOUT
- F** GIVE WAY SIGN (R1-2A) - CLASS 1 
- G** ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1 
- N** "RAISED PAVEMENT AHEAD" WARNING SIGN 

NOTES


- a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE.
- b) SWLM - INDICATES SOLID WHITE "LONGLIFE" LINE MARKING
BWLM - INDICATES BROKEN WHITE "LONGLIFE" LINE MARKING
- c) DE   INDICATES UNIDIRECTIONAL & BIDIRECTIONAL RRPMS PLACED AT 3.00m CTS
- d) HAZARD / DIRECTIONAL TGS'S SHOWN THUS  /  AND FOOTPATH RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH VICROADS STD DWGS SD2031 TO SD2035. TGS'S SHALL CONFORM TO AS1428.4

COLOURED SURFACE TREATMENTS

-  INDICATES GREEN SURFACE TREATMENT FOR BICYCLE USE. COLOUR TO BE EMERALD GREEN G13 AND MEET REQUIREMENTS SET OUT IN VICROADS SPECIFICATIONS SECTION 431 - COLOURED SURFACE TREATMENTS.



AS CONSTRUCTED

AMENDMENTS				 breese pitt dixon pty. ltd. land surveyors civil engineers	RATHDOWNE ESTATE STAGE 15 SIGNAGE AND LINEMARKING PLAN			MUNICIPALITY WHITTLESEA REFERENCE 9365 E/15 SHEET 12 OF 12 B
			MELWAY REF. 388-C-10			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
			SURVEY BPD					
			DESIGN RGW					
A	28.07.22	CONSTRUCTION ISSUE	DRAWN RGW	DATE SEP'21	SCALE AS SHOWN	DATUM AHD		
VER	DATE	REMARKS	CHECKED					