

AS CONSTRUCTED

LOCALITY PLAN
MELWAYS: 356 - A6
SCALE 1:20000

SCALE 1:500 @ A1

LENGTHS ARE IN METRES

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.

PROVIDE TEMPORARY OUTFALL CHANNEL TO SEDIMENT POND, TO BE MAINTAINED BY DEVELOPER UNTIL THE COMPLETION OF ULTIMATE WATERWAY/WETLAND

POST AND WIRE FENCE WHERE CHANNEL EXCEEDS 1m DEEP

EXISTING TEMP SEDIMENT / RETARDING BASIN

(TOTAL CAPACITY= 4070m3)
DETENTION BASIN

Q100 INUNDATION
BOUNDARY

FUTURE STAGE 11

FUTURE STAGE 9

EXISTING STAGE 3

SYMBOL LEGEND

Drains	Prop	Prev Stage	Ex/Natural/FS Level	+28.57	+28.57	+28.57
Sewer < 3000	— S —	— S —	FS @ Building Line	+28.57	+28.57	+28.57
Sewer ≥ 3000	— S —	— S —	Top/Toe of Batter	+28.57	+28.57	+28.57
Water (DW)	— W —	— W —	Top Ret. Wall Level	+28.57	+28.57	+28.57
Water (NDW)	— W —	— W —	100yr Flood Level	+28.57	+28.57	+28.57
Property Inlet	— P —	— P —	Fill Proposed (<0.3m/20.3m)	+28.57	+28.57	+28.57
Street Sign	— S —	— S —	Cut Proposed	+28.57	+28.57	+28.57
PSM	— P —	— P —	Asphalt Surface Prop	+28.57	+28.57	+28.57
Rock Ret Wall	— R —	— R —	Concrete Surface Prop	+28.57	+28.57	+28.57
Sleeper Ret Wall	— S —	— S —	(Paths/Driveways/Slats)	+28.57	+28.57	+28.57
Conduits 50mm	— C —	— C —	Tree To Be Removed	+28.57	+28.57	+28.57
Conduits 100mm	— C —	— C —	Tree To Be Retained with	+28.57	+28.57	+28.57
Street Tree without/with	— T —	— T —	Tree Protection Zone (TPZ)	+28.57	+28.57	+28.57
Passive Irrigation (Refer Detail)	— I —	— I —		+28.57	+28.57	+28.57
Ex Drains	— E —	— E —		+28.57	+28.57	+28.57
Ex Water DW/NDW	— E —	— E —		+28.57	+28.57	+28.57
Ex Sewer/Gas	— E —	— E —		+28.57	+28.57	+28.57
Ex Elect/Telecomm	— E —	— E —		+28.57	+28.57	+28.57

SERVICES OFFSETS AND LOCATIONS

Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
RUNGRADO	2.10S	2.55S	3.00S	1.80N	1.80N/1.70S	2.60N	1.00 BOK	4.35S,4.05N	16	G/W,FTTH/E	LEVEL 1
LAKOYA	2.20S	2.70S	3.20S	1.80N	1.80N/S	2.60N	1.00 BOK	5.20N,5.20S	18	G/W,FTTH/E	LEVEL 1
LAKERIDGE	2.35S	2.75S	3.20S	0.95N	1.80S	0.45N	1.00 BOK	4.35S,4.05N	16	G/W,FTTH/E	LEVEL 1
YORK	2.20E	2.70E	3.20E	1.80W	1.80E/W	2.60W	1.00 BOK	4.35E,4.05W	16	G/W,FTTH/E	LEVEL 1
KAFUE	2.20E	2.70E	3.20E	1.80W	1.80E/W	2.60W	1.00 BOK	4.35E,4.05W	16	G/W,FTTH/E	LEVEL 1
VOYAGER	2.25E	2.70E	3.20E	1.80W	1.80E/W	2.60W	1.00 BOK	4.55E,8.55W	25	G/W,FTTH/E	LEVEL 2

NOTE: a) At the court bowl where water and gas mains pass, the watermain offset is to be increased by 0.5 metres.

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.



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 8
DETAIL PLAN

MUNICIPALITY
WHITTLESEA

REFERENCE
9365 E/8

AMENDMENTS	DATE	REMARKS	CHECKED	NM
D	12.08.21	PATH AMENDMENTS	SURVEY	BPD
C	03.06.21	FS LEVELS LOTS 802-803 AMENDED	DESIGN	RGW
B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW
VER				

SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	1 OF 17	D
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Phone: 03832921

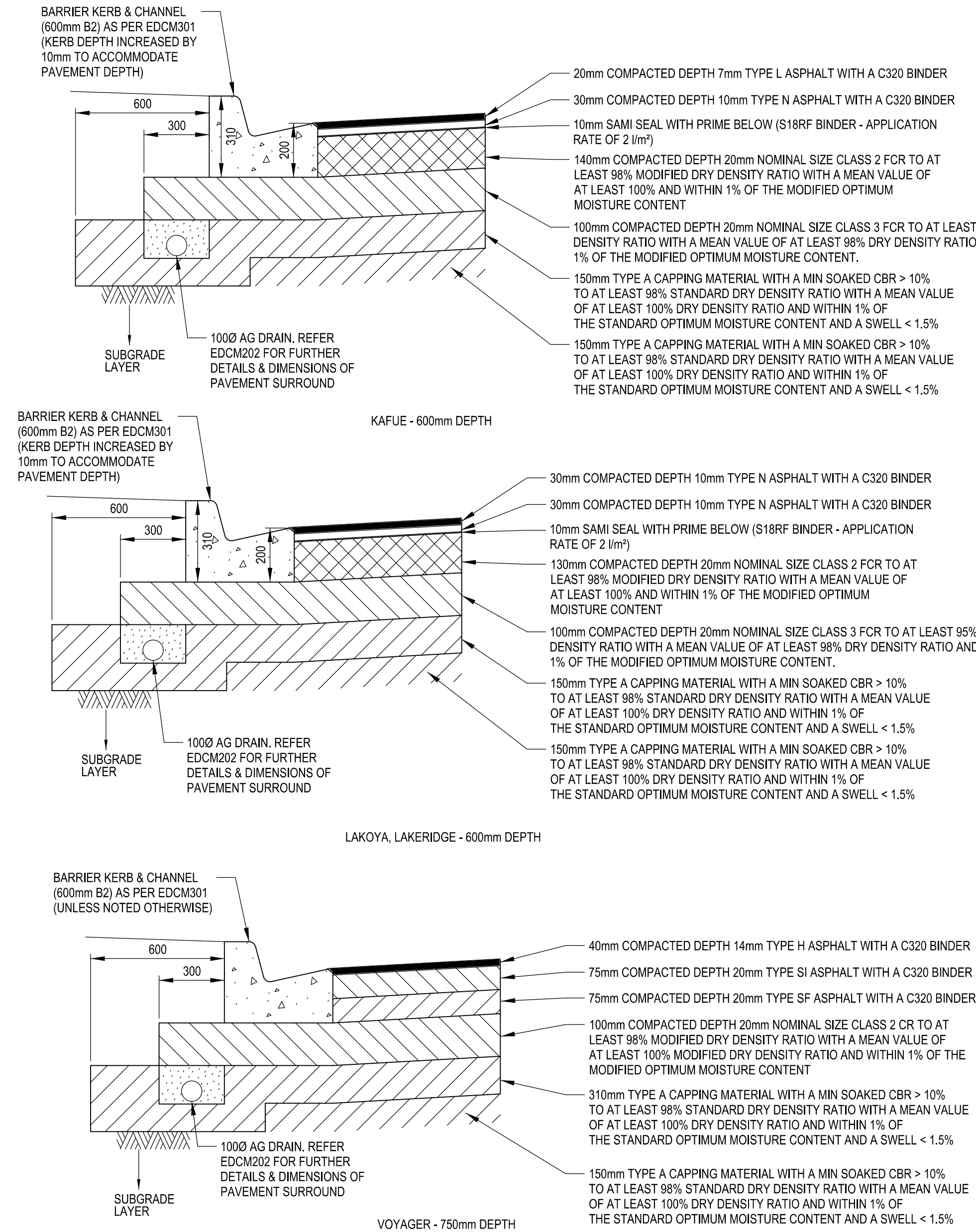
NOTES

1. 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.
2. COUNCIL TO BE NOTIFIED 2 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. DRAINAGE AND PITS TO BE SETOUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES. REFER EDM061-608 FOR FURTHER DETAILS.
4. ALL PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED AND SHALL BE BRJ UP TO AND INCLUDING 750mm DIAMETER. PIPES ABOVE THIS SIZE MUST BE FLUSH JOINED WITH EXTERNAL SEALING BANDS. ALL DRAINS THAT CROSS UNDER ROAD PAVEMENTS ARE TO BE CLASS 4 R.C.P.
5. JOINTING FOR CURVED PIPE ALIGNMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS (R/R'S FOR MINOR DEFLECTIONS OR COMPLETE R.C. BANDAGES)
6. PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.
7. 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.
8. APPROVED GRANULAR BACKFILL IS TO BE PROVIDED WHERE PIPE TRENCHES ENCROACH UNDER ROADWAY DUE TO DEEP EXCAVATIONS IN ROCK.
9. SHALLOW CUT OFF DRAINS ARE TO BE PROVIDED ON SUBDIVISION BOUNDARY WHERE NECESSARY .
10. 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 CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
11. AGRICULTURAL PIPE DRAINS TO PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER (REFER TO STD DRG EDM202).
12. ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK
13. BATTERS SHALL BE 1 IN 6 FOR CUT & FILL UNLESS OTHERWISE SHOWN. BATTERS EXCEEDING 1 IN 6 MUST BE STABILISED AS PER COUNCIL REQUIREMENTS.
14. ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER.
15. LOTS TO BE GRADED AND LEFT CLEAN TO THE SATISFACTION OF THE ENGINEER.
16. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF RUBBISH AND SPOIL FROM SITE.
17. 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.
18. 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.
19. 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.
20. ALL GAS AND WATER CONDUITS FOR RESIDENTIAL LOTS TO BE PVC CLASS 12, 50mm DIAMETER.
[*** DUAL WATER MAINS ***]
20. ALL GAS AND WATER CONDUITS FOR RESIDENTIAL LOTS TO BE PVC CLASS 12, 50mm DIAMETER & 100mm DIAMETER RESPECTIVELY.
21. TELSTRANBN Co TO BE NOTIFIED 7 DAYS PRIOR TO CONCRETE BEING PLACED.
22. CONDUITS ARE TO BE EXTENDED 450mm BEHIND FACE OF KERB AND TO BE REFERENCED ON FACE OF KERB.
23. 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.
24. 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.
25. ALL DRIVEWAYS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH EDM501 & 502 AND ARE TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN.
26. ALL DRIVEWAY RAMPS INTO PROPERTIES ARE TO BE CUT IN AT A MAXIMUM GRADE OF 1 IN 6.
27. ALL PEDESTRIAN CROSSINGS ARE TO BE CONSTRUCTED GENERALLY IN ACCORDANCE WITH EDM403. ALL PRAM CROSSING SPLAYS MUST BE 600mm WIDE AND NO GREATER.
28. 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 AS3798-2007 APPENDIX B, LEVEL 1.
29. 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.
30. 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.
- REFER TO EDM202 FOR FURTHER AG, SERVICE CONDUIT AND TRENCH BACKFILL DETAILS

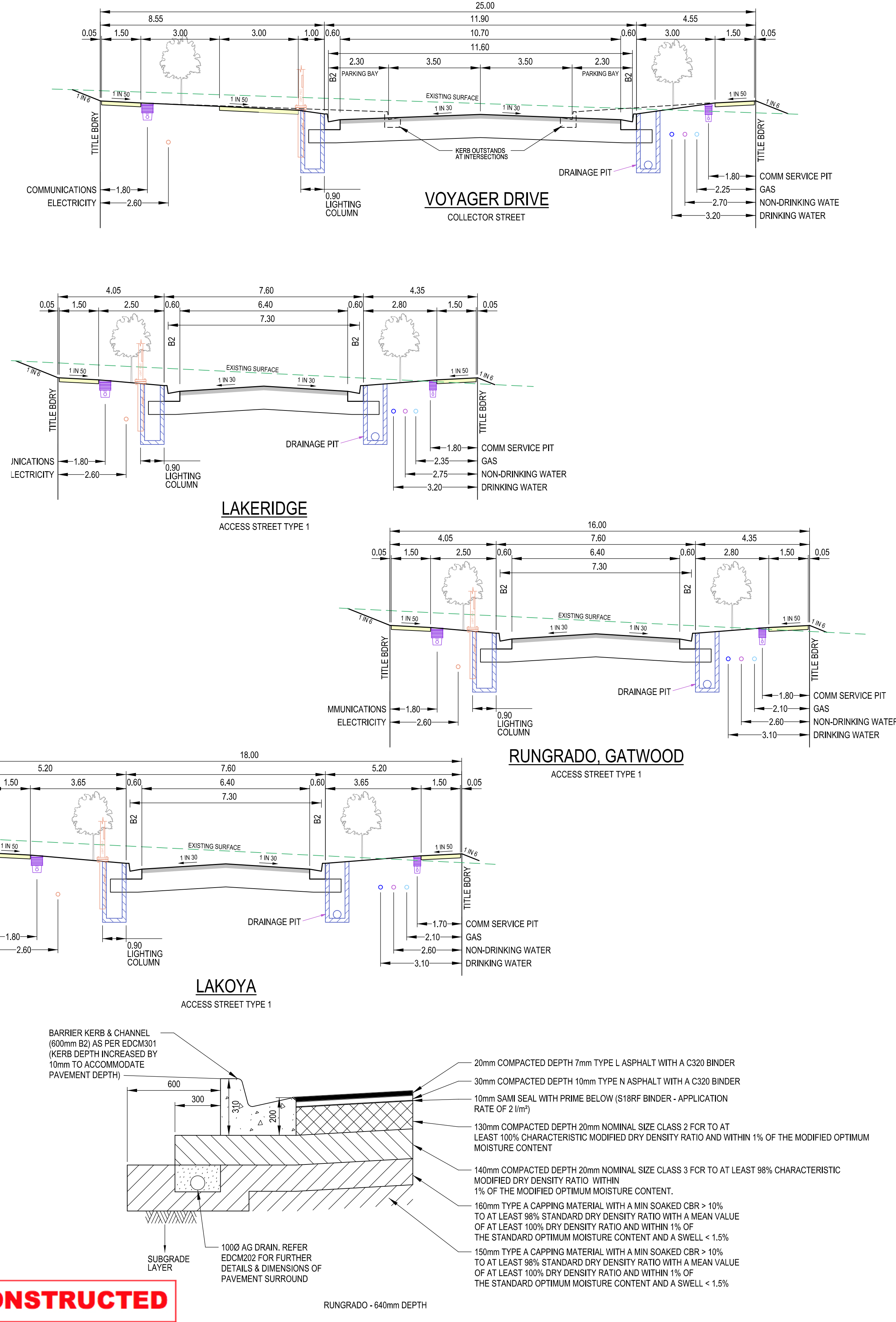
PAVEMENT COMPOSITION

(Dimensions in millimetres)
(N.T.S.)

31. 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.
32. 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.
33. 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, THIS CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
34. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL MANAGEMENT POLICY 3.8.2. APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS. THE SMP SHALL BE APPROVED BY CITY OF WHITTLESEA DEVELOPMENT ENGINEERING UNIT PRIOR TO THE COMMENCEMENT OF WORKS.
35. ALL FOOTPATHS IN ROADS TO BE OFFSET 50mm FROM PROPERTY BOUNDARY. FOOTPATHS CONSTRUCTED ABOVE EXISTING LEVEL TO BE CONSTRUCTED ON APPROVED FILL (TO AS-3798) OF F.C.R. INTO NATURAL GROUND.
36. PRIOR TO COMMENCEMENT OF WORKS TREE PROTECTION ZONES (TPZ) ARE TO BE INSTALLED AS SPECIFIED IN THE ANNOTATED DETAILS FORMING PART OF THE PLANNING PERMIT TO TREES NOTED 'TO BE RETAINED'. THIS INCLUDES THE FOLLOWING
- RING LOCK WIRE MESH MINIMUM 1.20m HIGH (STD DRG SDL2.02)
- MAIN POSTS 100mm TREATED PINE (TP), MINIMUM 1.80m HIGH
- INTERMEDIATE POSTS STEEL STAR PICKETS (SP), MINIMUM 1.80m HIGH
- THE CORNER POSTS ARE TO BE TP WITH TP STAYS
- EVERY THIRD POST TO BE TP
- SP TO BE PLACED INTERMEDIATELY BETWEEN THE TP AT MAX 3.0m INTERVALS
- THE RING LOCK MESH TO ENCIRCLE THE STRUCTURE AND BE FIRMLY SECURED AT EACH POST
- POSTS MUST BE SUNK INTO THE GROUND BY 450mm (THERE IS TO BE NO CONCRETE TO SECURE POSTS AS THIS WILL AFFECT pH LEVELS)
- HIGH VISIBILITY HAZARD MARKER TAPE SECURELY FIXED TO TOP OF WIRE MESH FENCE WITH WIRE TIES
- THE TREE PROTECTION ZONE IS TO BE CLEARLY SIGN POSTED IN ACCORDANCE WITH CONDITION 20 OF THE PLANNING PERMIT (STD DRG SDL2.03)
- NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY TREE UNTIL APPROVAL IS GIVEN BY THE ENGINEER.

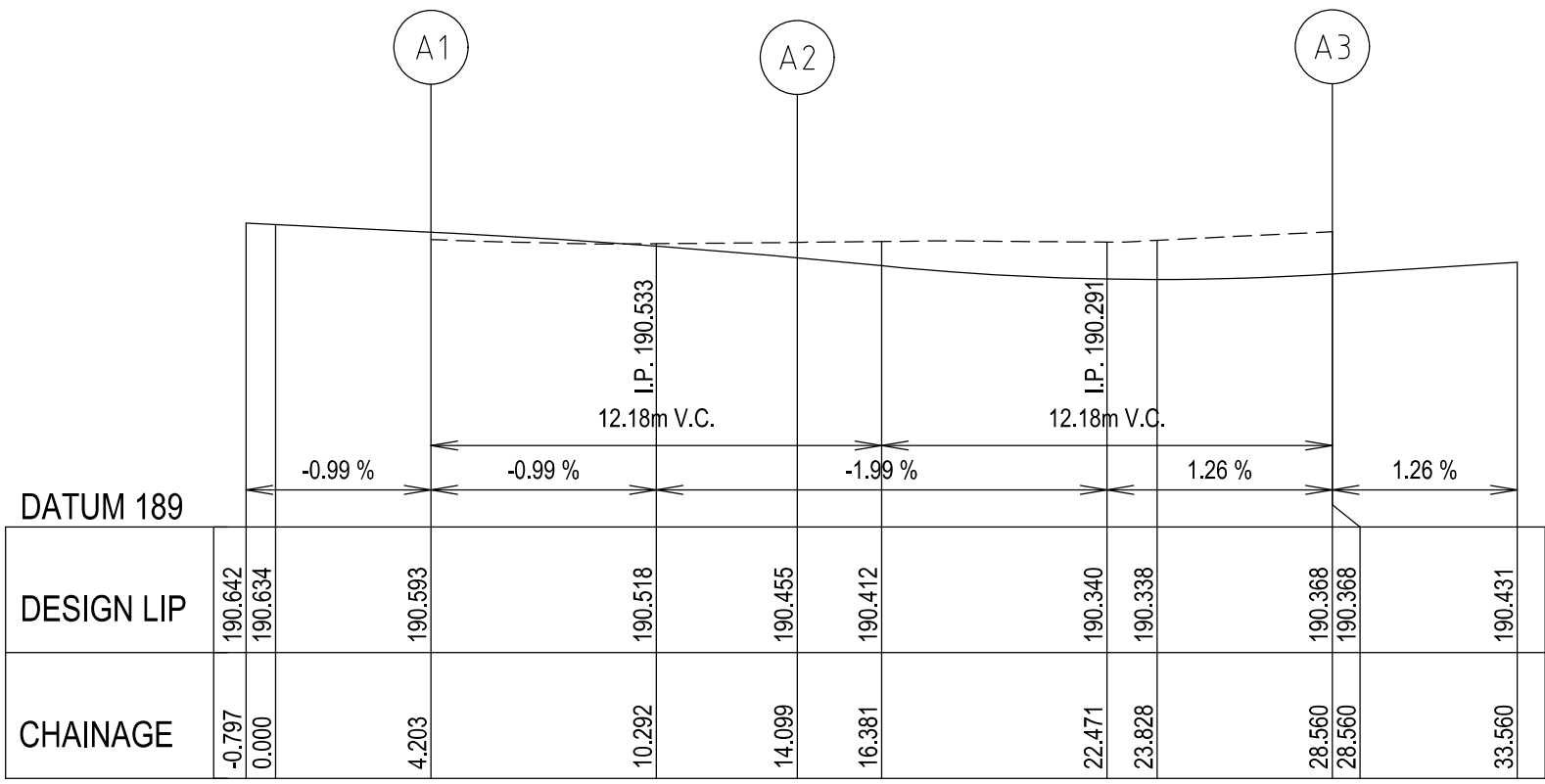
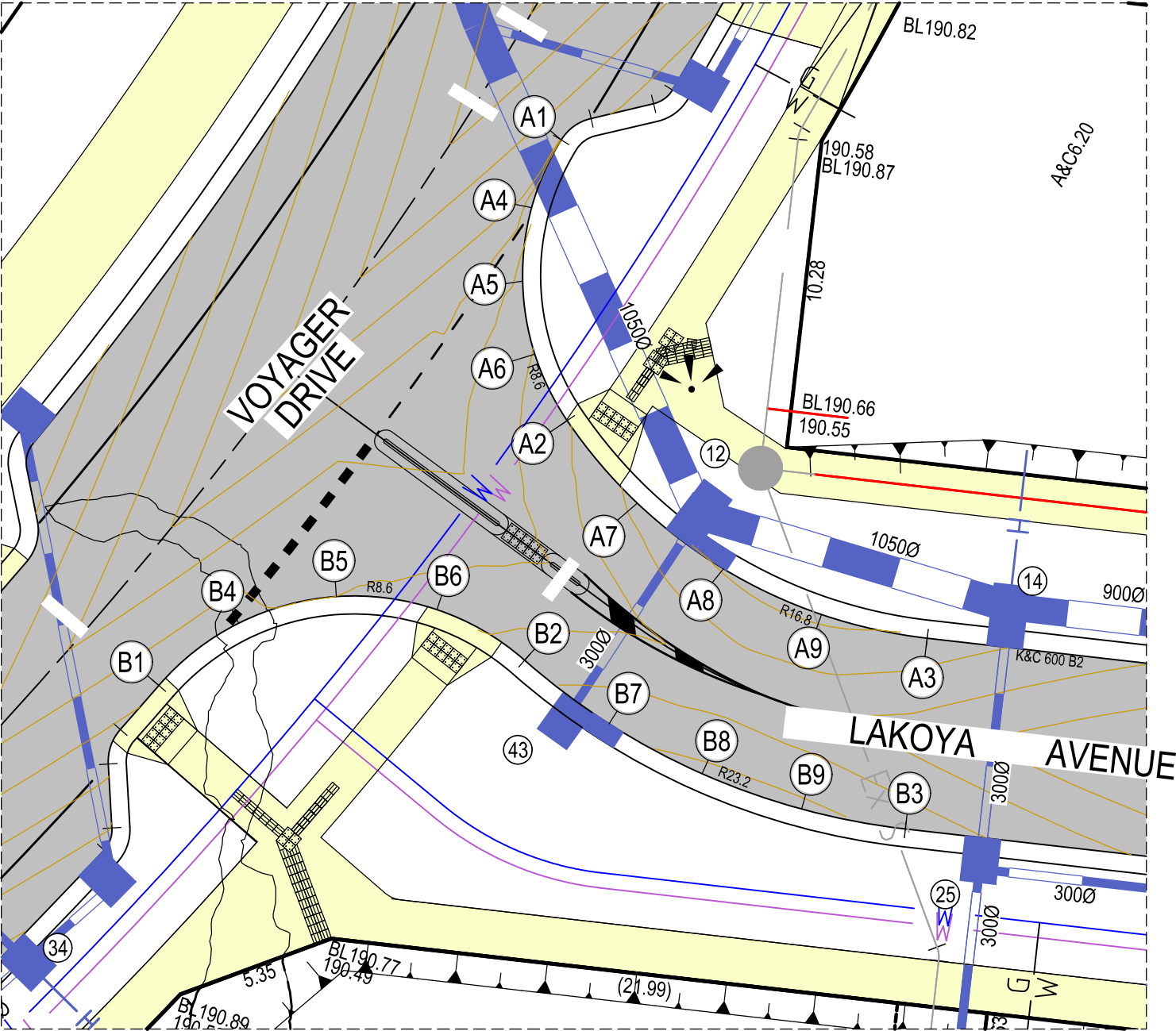
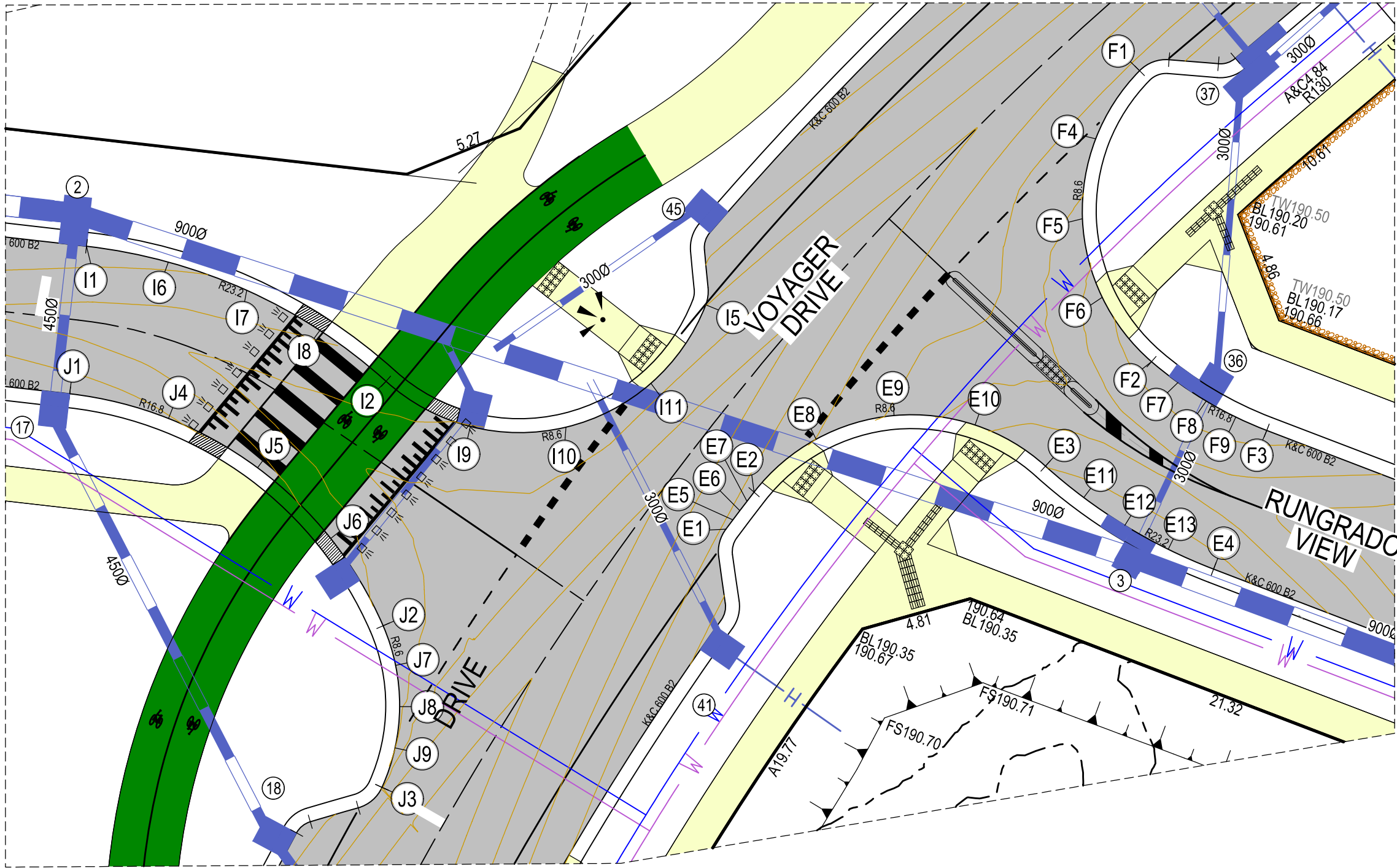


37. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. FENCING TO BE ERECTED BY THE DEVELOPER (OR OWNER) AT NO COST TO COUNCIL. PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SDL3.09 & SDL3.10.
38. VEHICULAR EXCLUSION FENCING TO BE PROVIDED ALONG THE ROAD FRONTAGES OF ALL RESERVES. REFER LANDSCAPE PLANS FOR FENCE DETAILS. FENCING TO BE CONSTRUCTED AS PART OF LANDSCAPE WORKS.
39. PROVIDE TEMPORARY SAFETY BARRIER FENCE (FARM FENCE AS PER MW STD. DWG. 7251/8/203) ALONG EDGE OF OUTFALL DRAINS. SAFETY FENCE TO REMAIN UNTIL PERMANENT UNDERGROUND DRAINAGE IS INSTALLED.
40. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE COUNCIL SUPERVISING ENGINEER.
41. TACTILE GROUND SURFACE INDICATORS (TGS) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH COUNCIL STD DRG SD320 AND AS1428.
42. FITZROY BOXES TO BE PROVIDED FOR WATER AND GAS TAPPINGS LOCATED UNDER PARKING BAYS IN FRONT OF LOTS
43. GAS LEADINS FOR LOTS TO BE PROVIDED BEFORE PARKING BAY CONSTRUCTION.
44. A BUILDING PERMIT MUST BE OBTAINED FOR ANY STRUCTURAL/RETAINING WALL EXCEEDING 1.0m IN HEIGHT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA. A COPY OF BUILDING PERMITS AND 'CERTIFICATE OF COMPLIANCE - CONSTRUCTION' TO BE SUBMITTED TO COUNCIL PRIOR TO STATEMENT OF COMPLIANCE.
45. ALL STRUCTURAL WORKS MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.



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 8				MUNICIPALITY			
				SURVEY	BPD					WHITTLSEA			
				DESIGN	RGW					REFERENCE			
			DRAWN	RGW	9365 ^E /8								
B	16.04.21	CONSTRUCTION ISSUE											
VER	DATE	REMARKS	CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	2 OF 17	C



LIP LINE A

INTERSECTION DETAILS

SCALE 1:200

SCALE 1:200 @ A1



Alignment A			
	Point no	Easting	Northing
A 1	322467.598	5837145.048	190.593
A 2	322467.797	5837135.691	190.455
A 3	322479.794	5837128.438	190.368

	Point no	Easting	Northing	RL
A 4	322466.614	5837142.787	190.566	
A 5	322466.313	5837140.340	190.534	
A 6	322466.718	5837137.908	190.497	
A 7	322470.133	5837132.941	190.388	
A 8	322473.003	5837130.753	190.346	
A 9	322476.273	5837129.228	190.339	

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
A 1 2	-65.930	-8.600	9.896	1.385	1.031	2.239	2.440	2.474	190.534
A 2 3	-49.321	-16.800	14.462	1.532	1.145	3.422	3.588	3.615	190.346



LIP LINE E

Alignment E

	Point no	Easting	Northing	RL
E 1	322390.871	5837066.150	190.150	
E 2	322392.088	5837067.747	190.137	
E 3	322404.652	5837068.870	189.901	
E 4	322411.898	5837064.428	189.878	

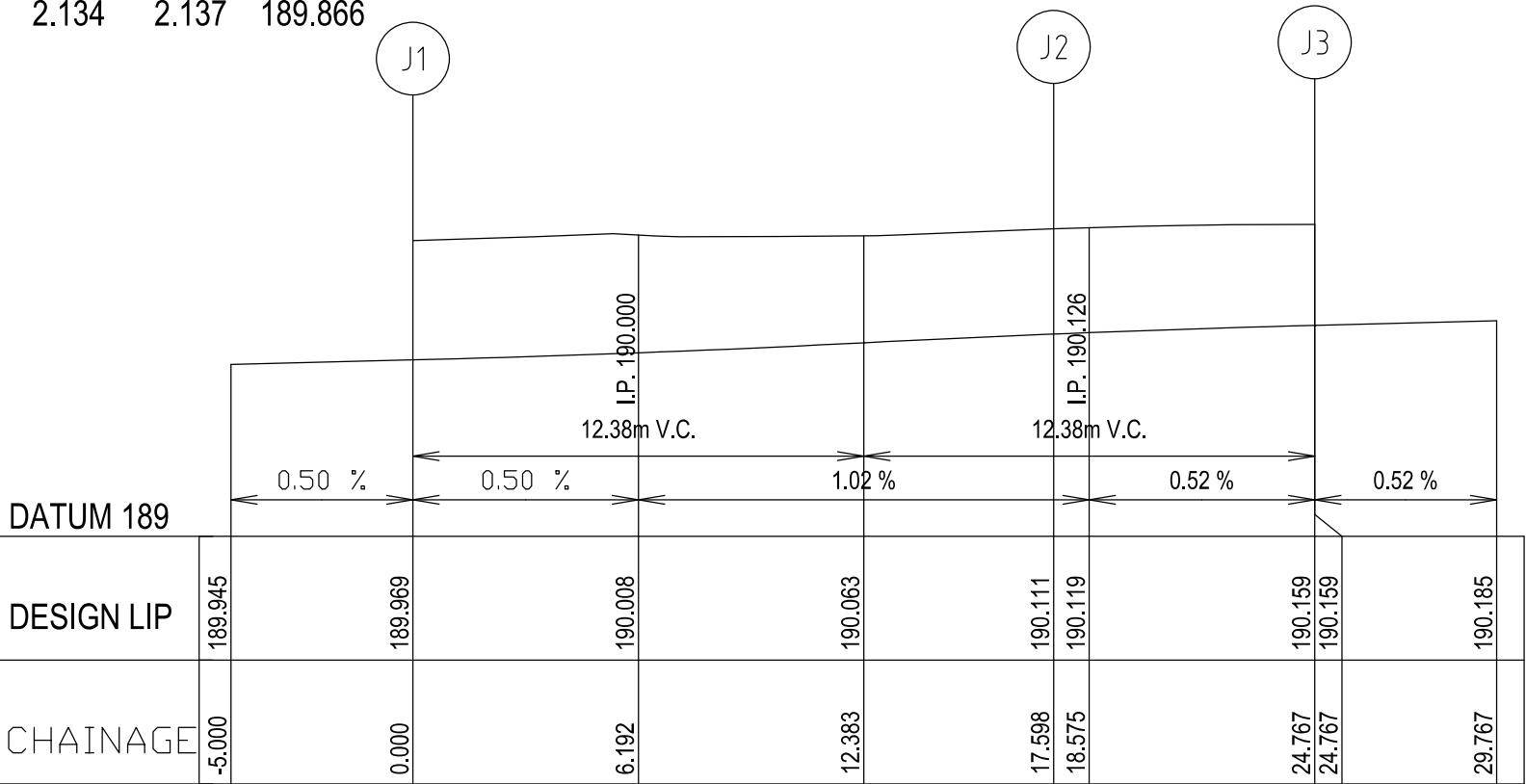
E 5	322391.173	5837066.551	190.147	
E 6	322391.477	5837066.951	190.144	
E 7	322391.781	5837067.349	190.141	
E 8	322394.761	5837070.029	190.099	
E 9	322398.125	5837071.051	190.042	
E 10	322401.616	5837070.642	189.967	
E 11	322406.302	5837067.514	189.878	
E 12	322408.070	5837066.315	189.866	
E 13	322409.940	5837065.283	189.866	

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
E 1 2	0.838	137.300	2.007	0.004	0.003	0.502	0.502	0.502	190.144
E 2 3	94.344	8.600	14.161	2.754	2.035	2.866	3.441	3.540	190.042
E 3 4	-21.108	-23.200	8.547	0.392	0.294	2.116	2.134	2.137	189.866

Alignment J			
	Point no	Easting	Northing
J 1	322362.589	5837071.986	189.969
J 2	322376.097	5837061.990	190.111
J 3	322376.049	5837055.027	190.159

J 4	322366.846	5837070.925	189.995	
J 5	322370.682	5837068.798	190.029	
J 6	322373.838	5837061.750	190.071	
J 7	322376.635	5837060.284	190.125	
J 8	322376.809	5837058.503	190.137	
J 9	322376.611	5837056.725	190.149	

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
J 1 2	60.016	16.800	17.598	2.252	1.679	4.053	4.349	4.399	190.029
J 2 3	47.763	8.600	7.169	0.736	0.550	1.702	1.779	1.792	190.137

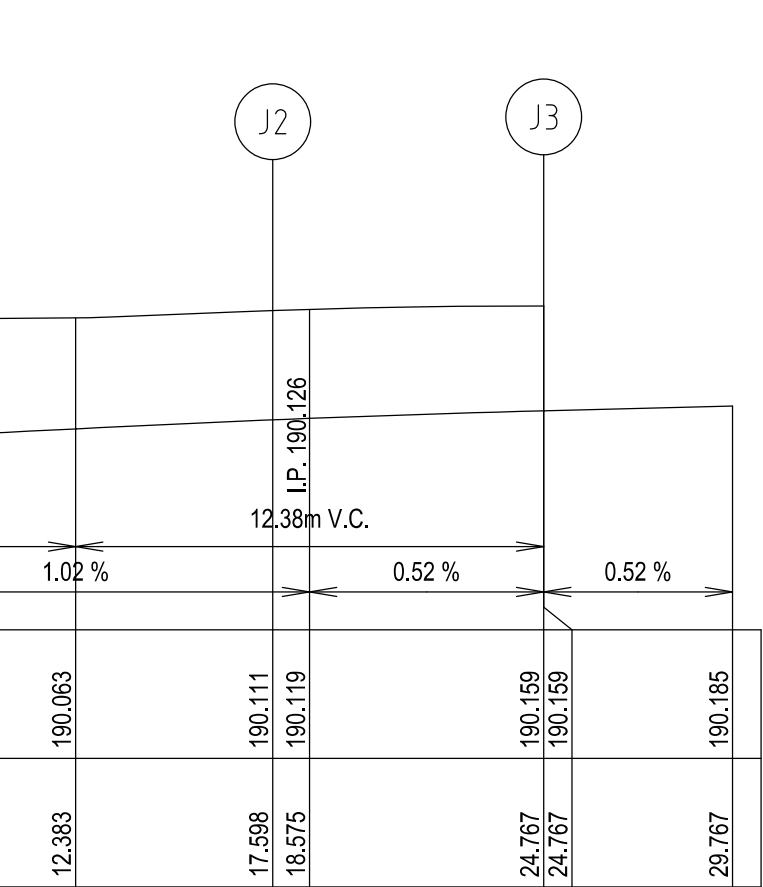


Alignment I

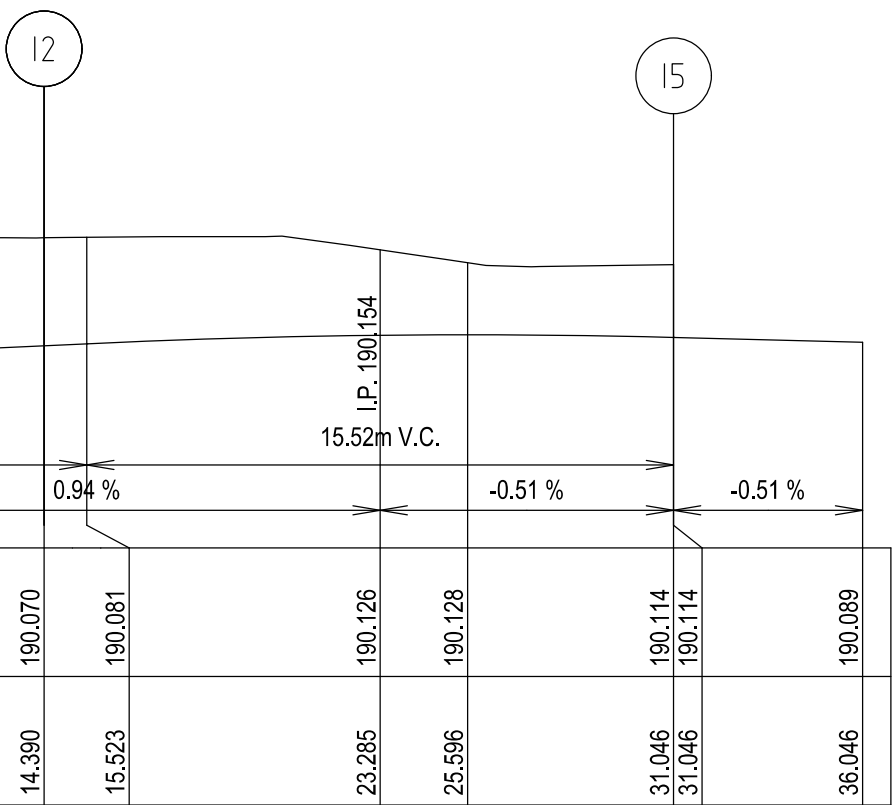
	Point no	Easting	Northing	RL
I 1	322363.313	5837078.345	189.969	
I 2	322376.222	5837072.526	190.070	
I 3	322390.006	5837075.823	190.114	

I 4	322366.842	5837077.663	189.989	
I 5	322370.222	5837076.444	190.012	
I 6	322373.375	5837074.718	190.039	
I 7	322379.858	5837070.580	190.105	
I 8	322383.981	5837070.550	190.125	
I 9	322387.644	5837072.442	190.128	

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
I 1 2	35.537	23.200	14.390	1.107	0.828	3.497	3.583	3.597	190.012
I 2 3	-110.968	-8.600	16.656	3.727	2.738	3.083	4.003	4.164	190.125



LIP LINE J



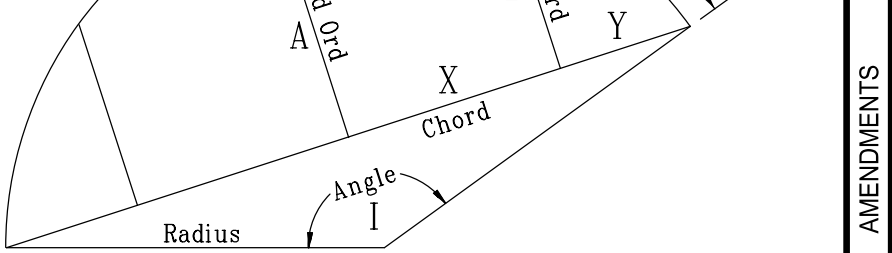
LIP LINE I

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
I 1 2	-65.930	-8.600	9.896	1.385	1.031	2.239	2.440	2.474	190.534
I 2 3	-49.321	-16.800	14.462	1.532	1.145	3.422	3.588	3.615	190.346

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
I 1 2	-93.734	-8.600	14.069	2.720	2.011	2.856	3.420	3.517	189.991
I 2 3	-19.818	-16.800	5.811	0.251	0.188	1.440	1.451	1.453	189.859

Alignment B			
	Point no	Easting	Northing
B 1	322454.190	5837126.863	190.461
B 2	322466.378	5837127.704	190.425
B 3	322479.070	5837122.079	190.368

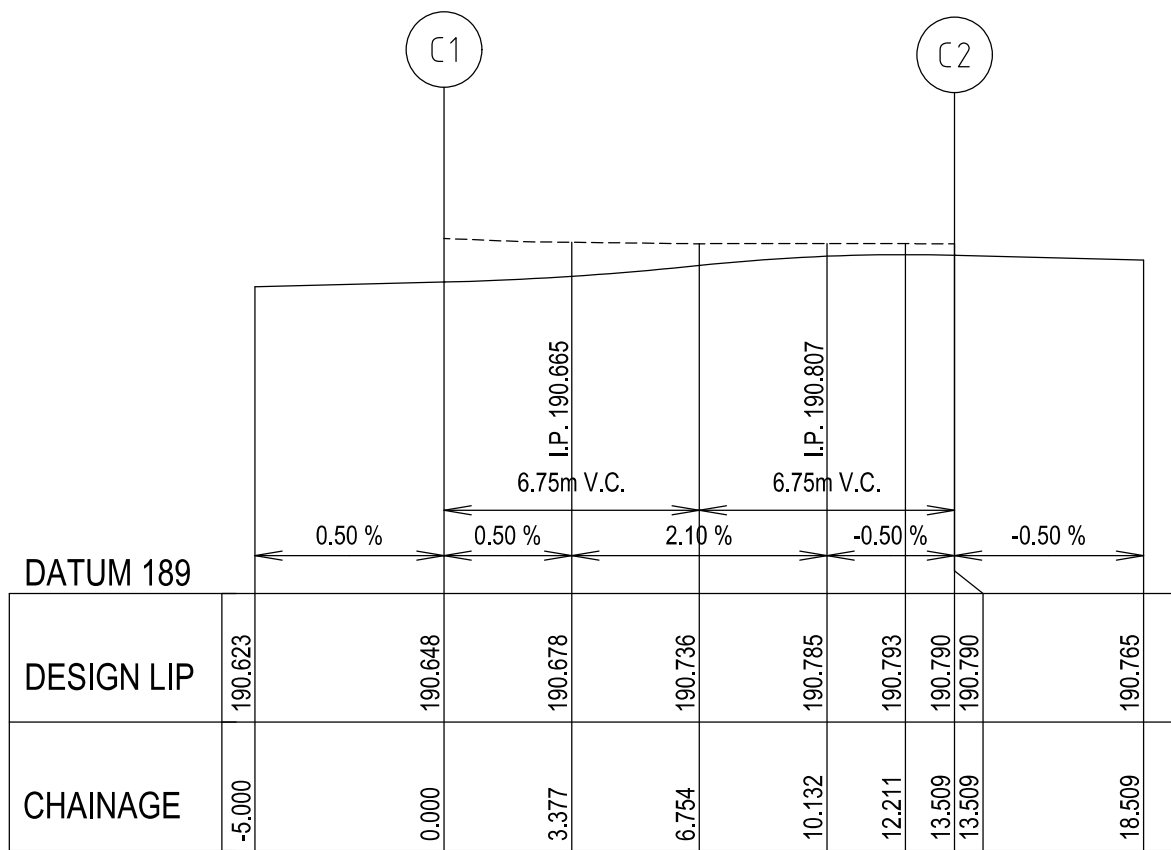
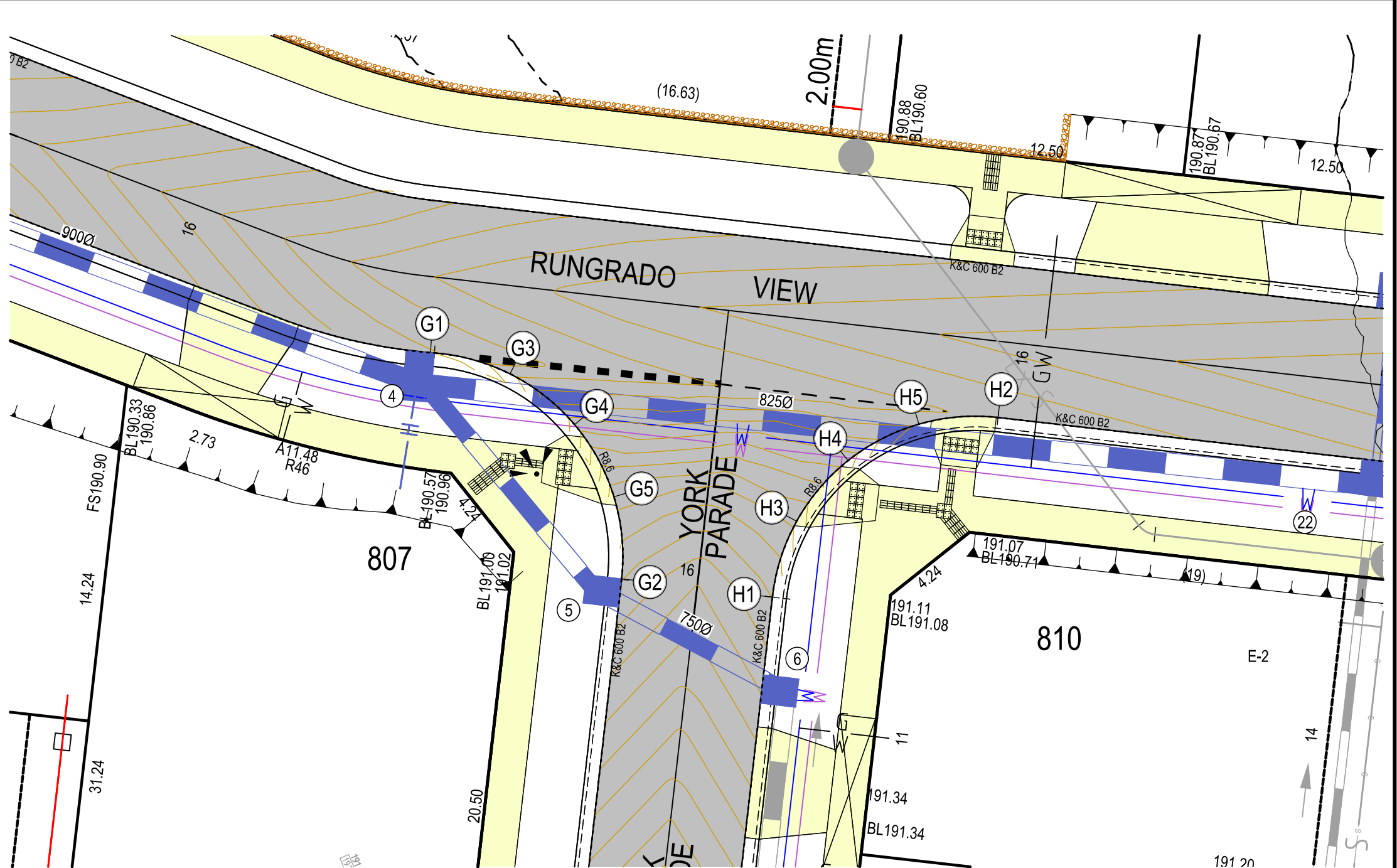
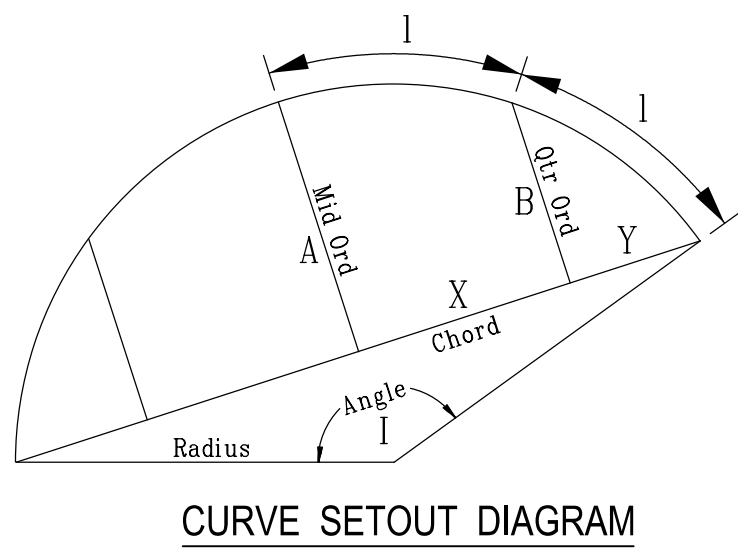
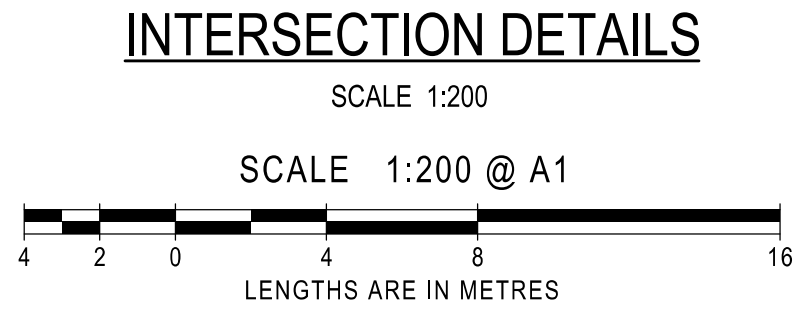
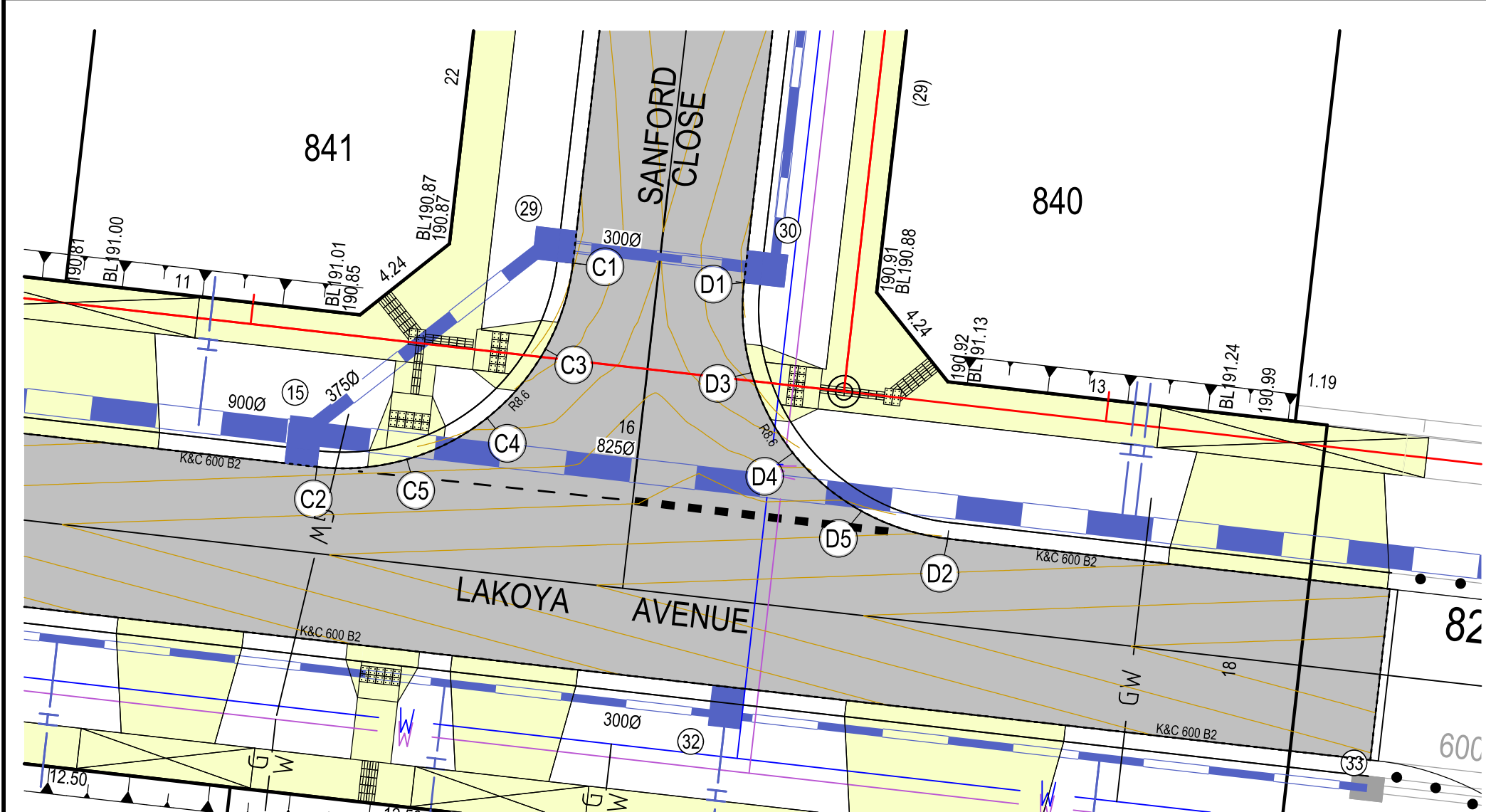
B 4	322456.853	5837128.936	190.495	
B 5	322460.109	5837129.824	190.500	
B 6	322463.456	5837129.391	190.477	
B 7	322469.192	5837125.587	190.366	
B 8	322472.294	5837123.920	190.337	
B 9	322475.612	5837122.741	190.338	



CURVE SETOUT DIAGRAM

AS CONSTRUCTED

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 8				MUNICIPALITY WHITTLESEA					
				SURVEY	BPD						REFERENCE 9365 ^E / ₈					
				DESIGN	RGW											
	B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW											
VER	DATE	REMARKS	CHECKED	NM		SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	3	OF	17	C



Alignment C

Point no	Easting	Northing	RL
C 1	322558.126	5837128.174	190.648
C 2	322548.608	5837120.602	190.790
C 3	322557.103	5837124.978	190.678
C 4	322554.935	5837122.417	190.736
C 5	322551.952	5837120.880	190.785

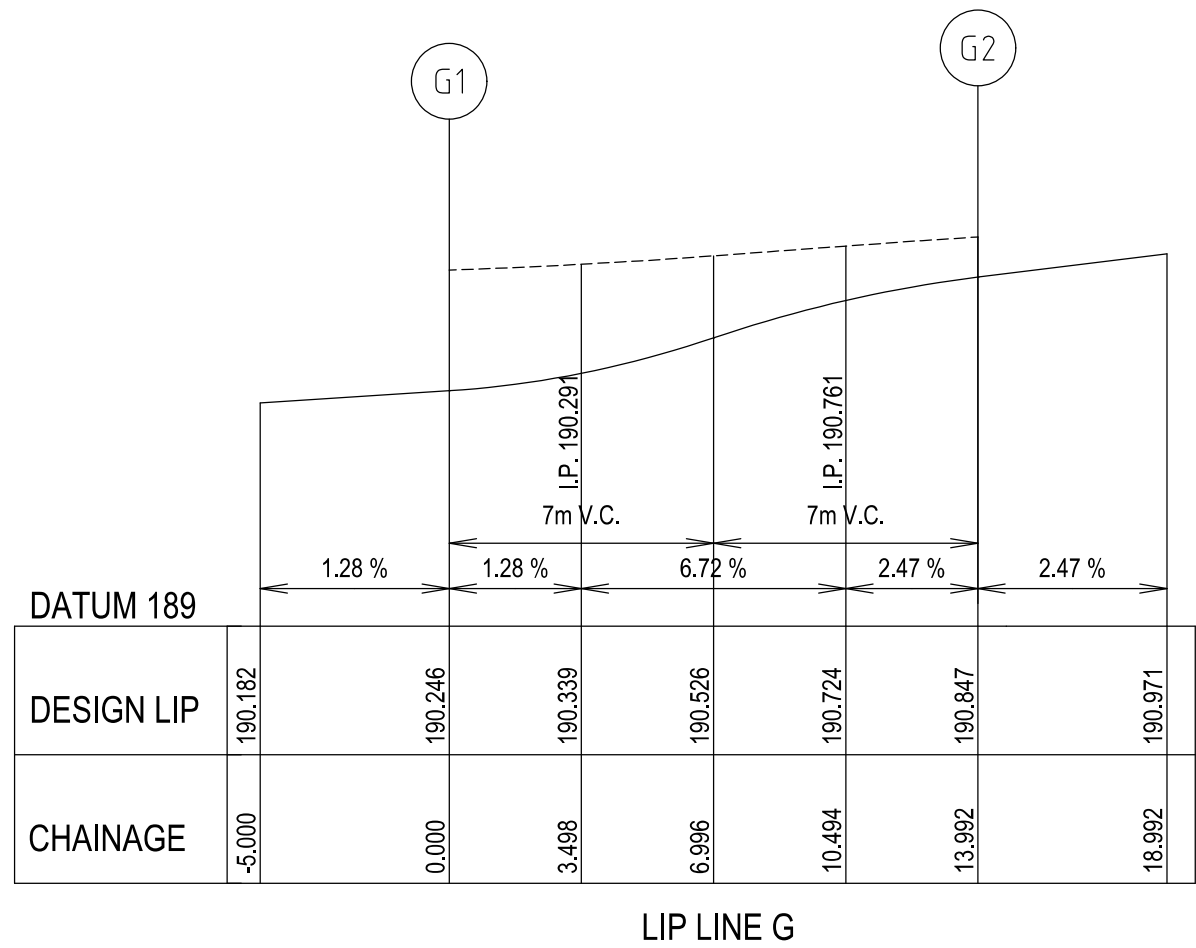
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
C 1 2	90.000	8.600	13.509	2.519	1.864	2.790	3.291	3.377	190.736

Alignment G

Point no	Easting	Northing	RL
G 1	322434.114	5837056.933	190.246
G 2	322442.167	5837047.374	190.847

G 3	322437.471	5837056.038	190.339
G 4	322440.199	5837053.888	190.526
G 5	322441.855	5837050.834	190.724

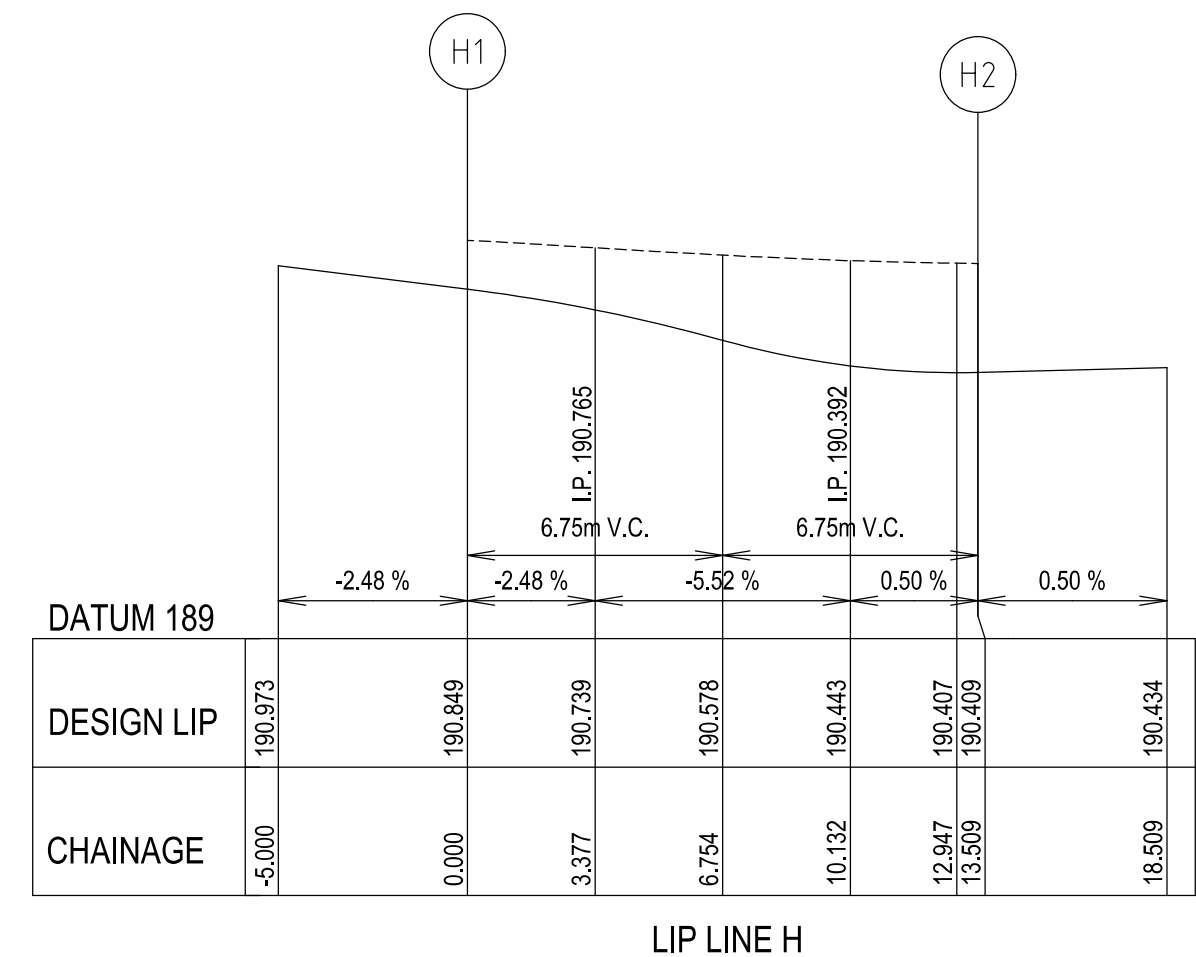
Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
G 1 2	93.219	8.600	13.992	2.692	1.990	2.847	3.402	3.498	190.526



Alignment H

Point no	Easting	Northing	RL
H 1	322448.520	5837046.600	190.849
H 2	322458.038	5837054.172	190.409
H 3	322449.543	5837049.796	190.739
H 4	322451.711	5837052.357	190.578
H 5	322454.694	5837053.894	190.443

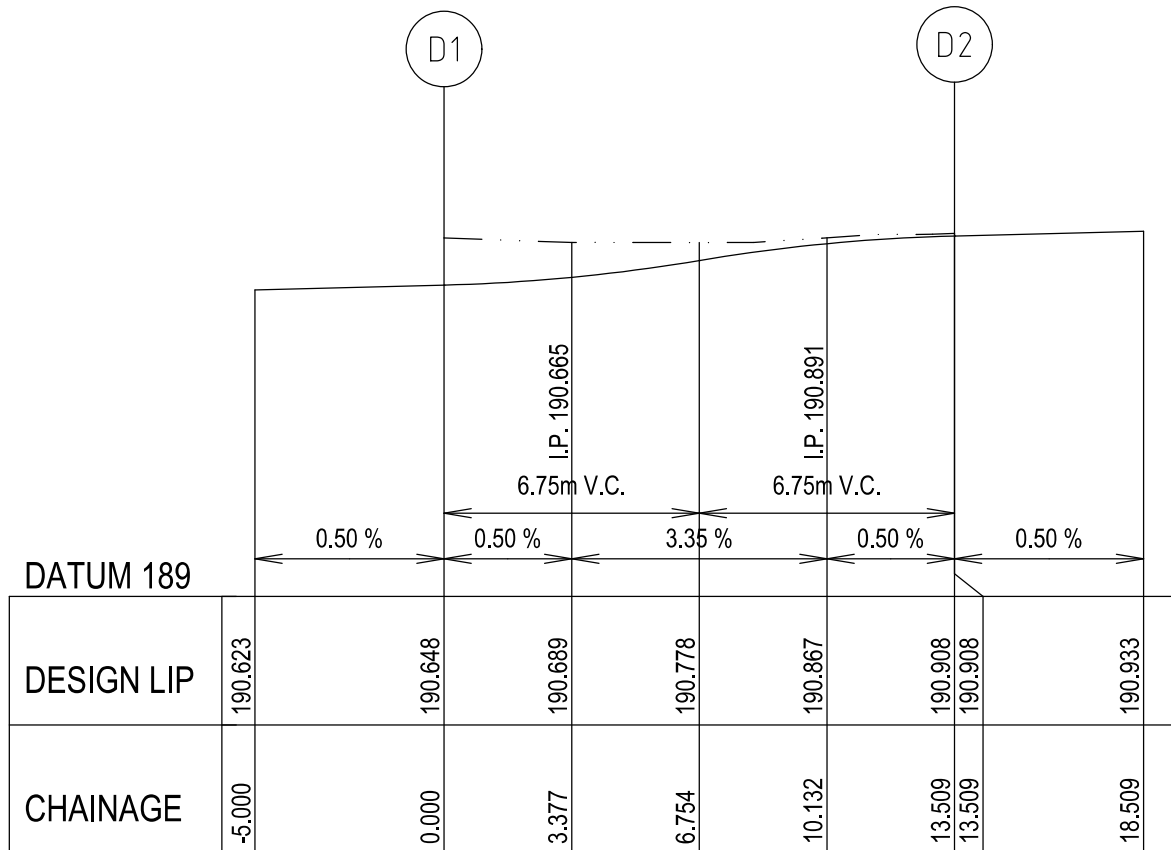
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Alignment D

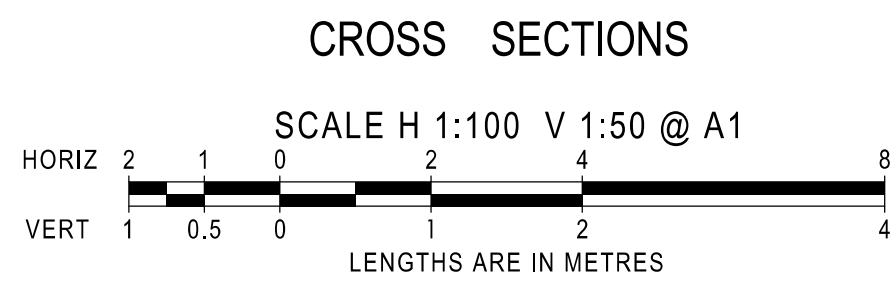
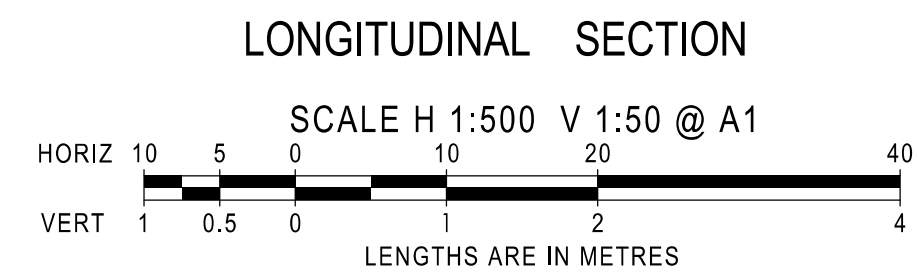
Point no	Easting	Northing	RL
D 1	322564.485	5837127.450	190.648
D 2	322572.056	5837117.932	190.908
D 3	322564.763	5837124.106	190.689
D 4	322566.299	5837121.123	190.778
D 5	322568.861	5837118.955	190.867

Curve no	I	Radius	Arc	Mid Ord	Qtr Ord	X	Y	I	Mid Ord RL
D 1 2	-90.000	-8.600	13.509	2.519	1.864	2.790	3.291	3.377	190.778



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 8				MUNICIPALITY					
			SURVEY	BPD					WHITTLESEA					
C	22.06.21	TABLES G & H UPDATED	DESIGN	RGW					REFERENCE					
B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW					9365 ^E / ₈					
VER	DATE	REMARKS	CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	4	OF 17	C

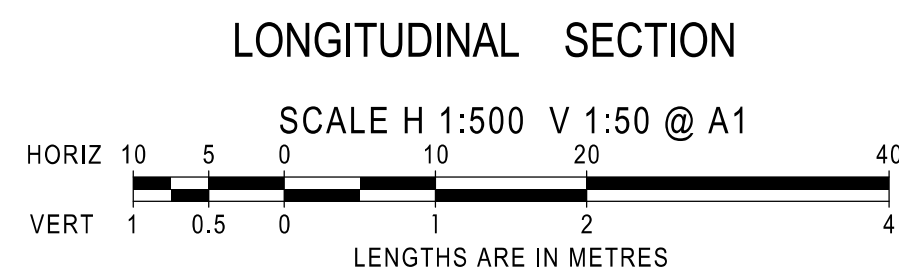


AMENDMENTS				breese pitt dixon pty. ltd. land surveyors			
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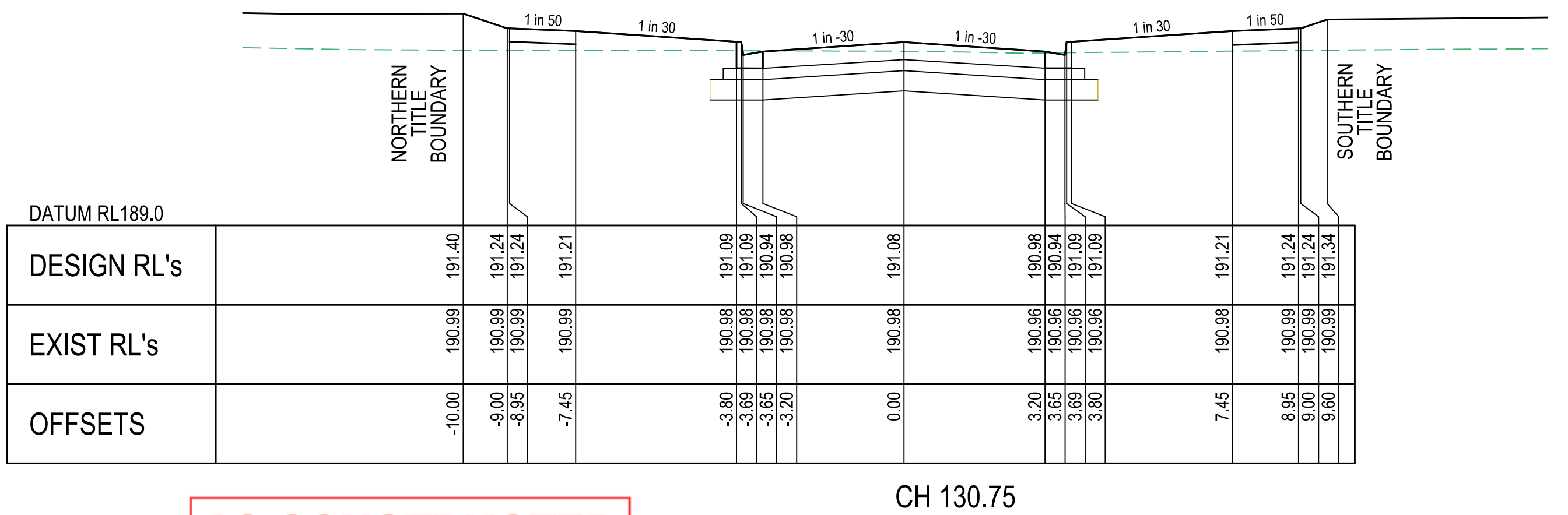
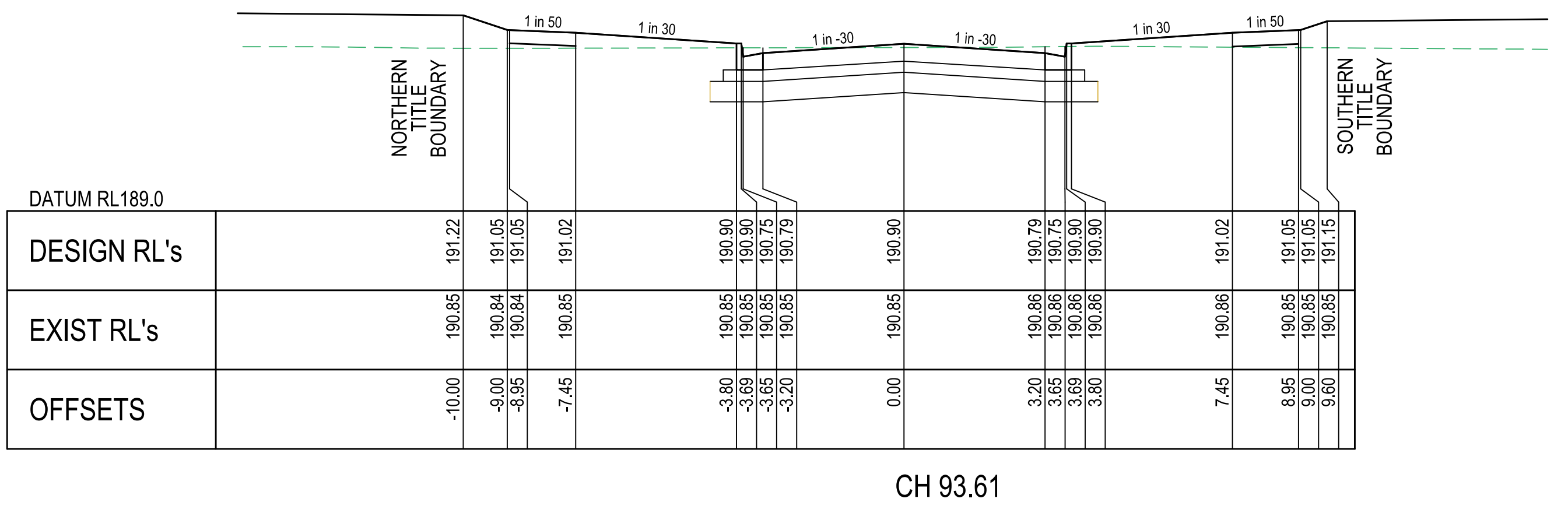
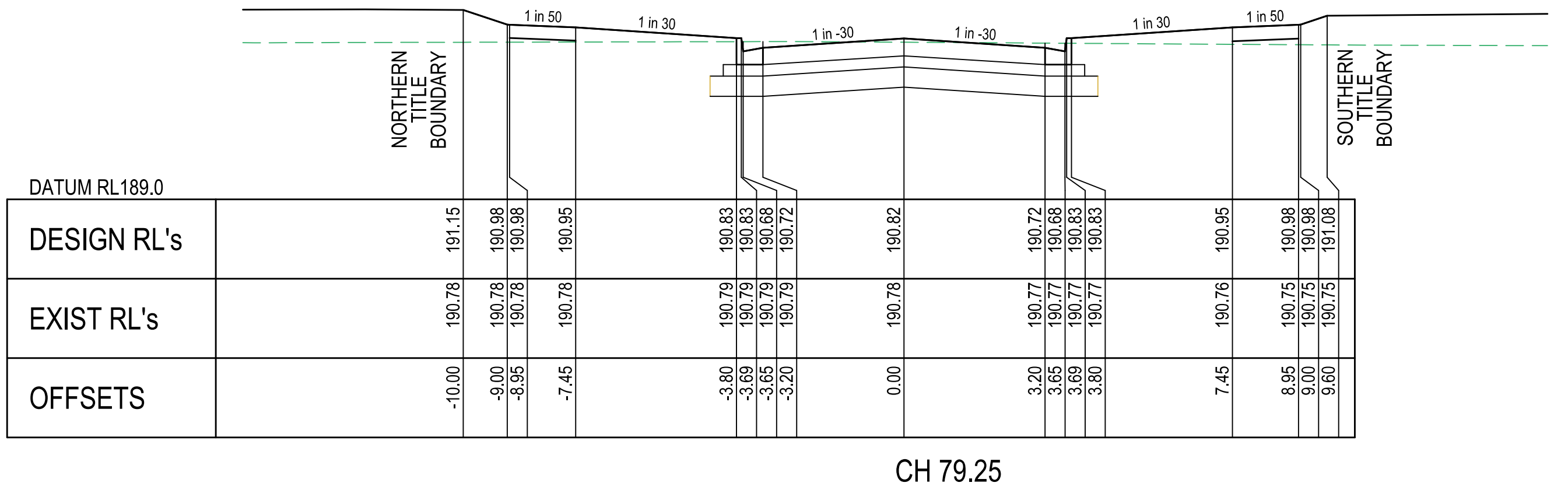
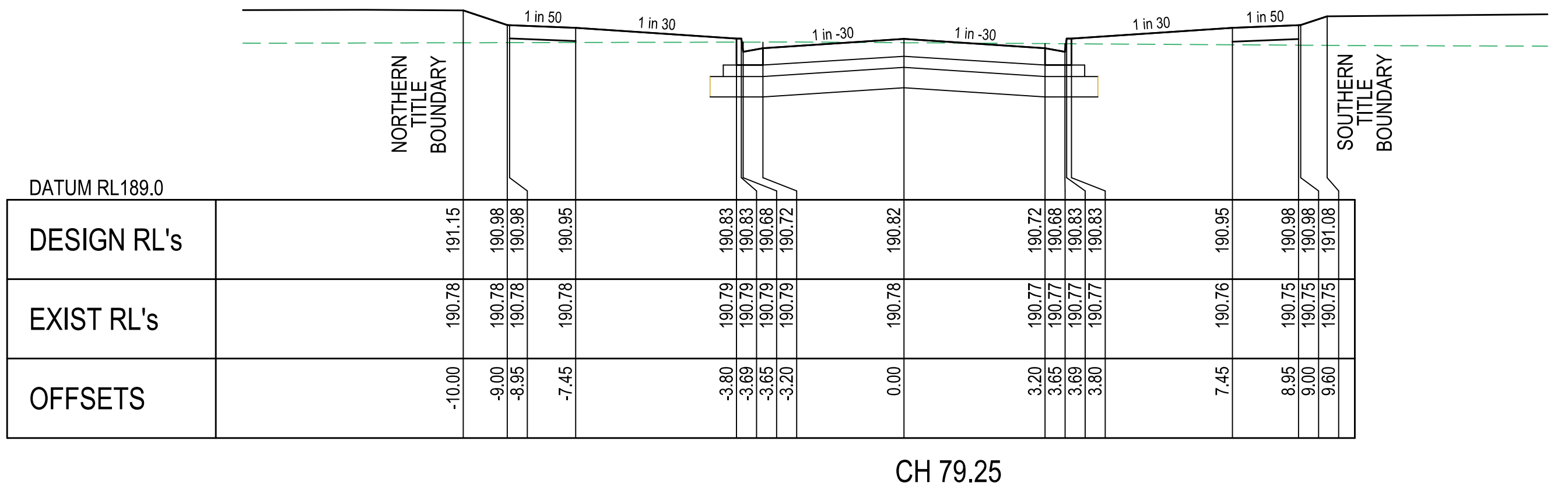
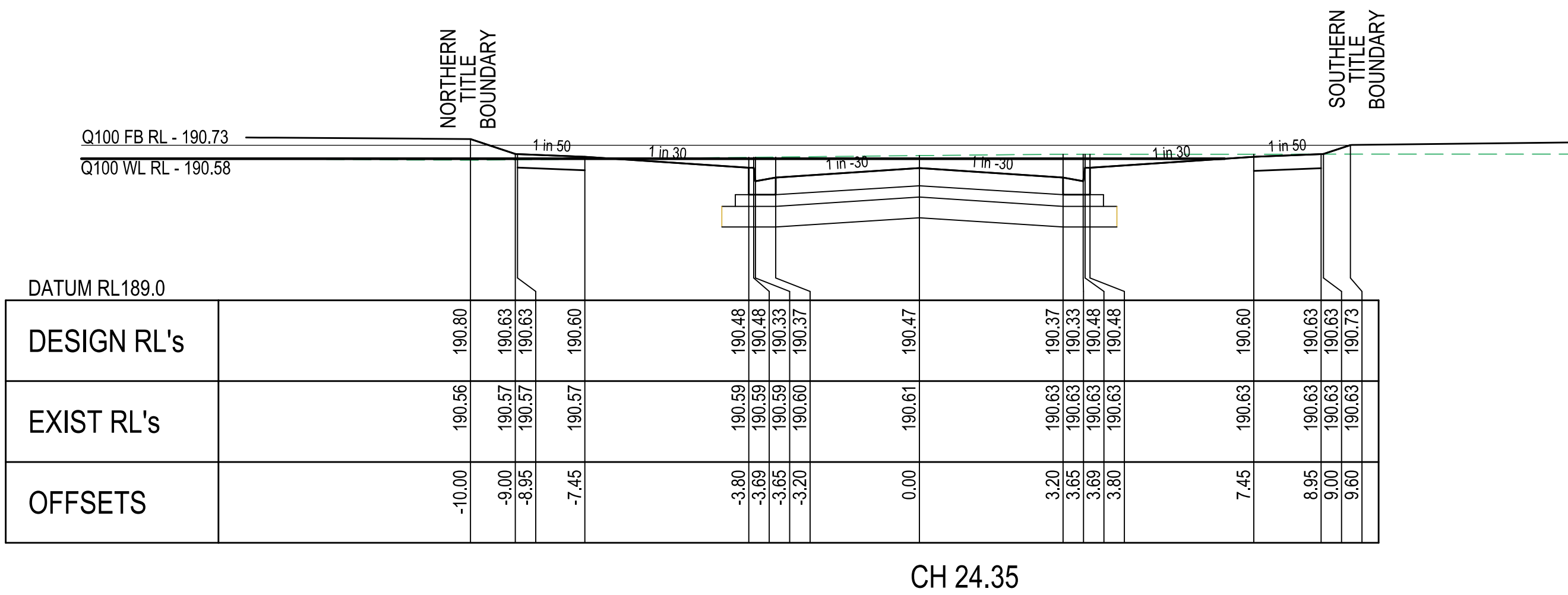
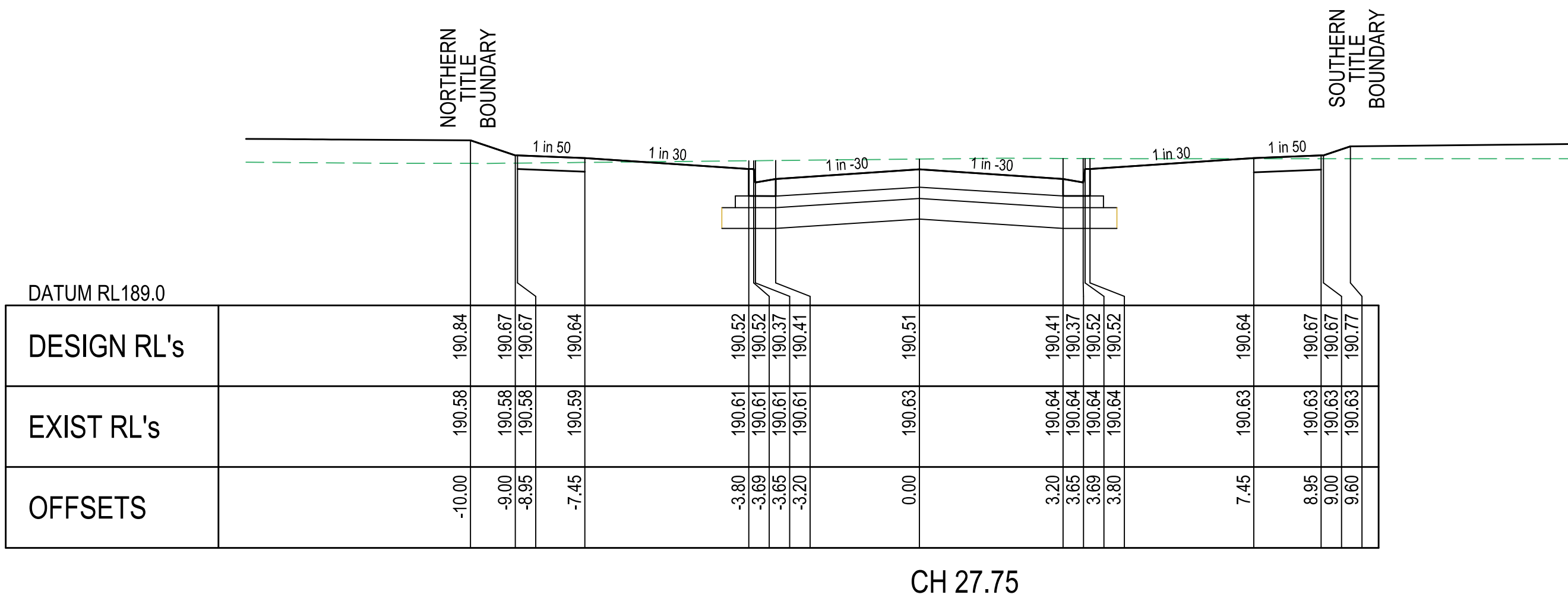
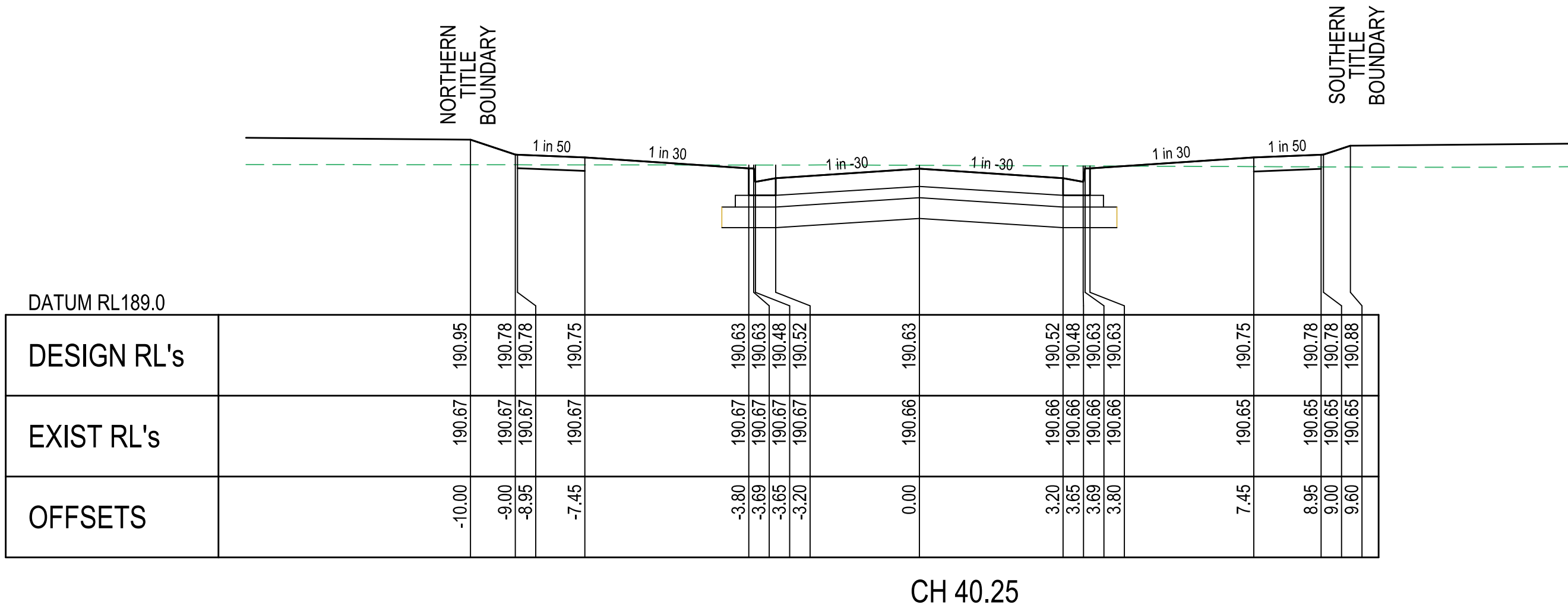
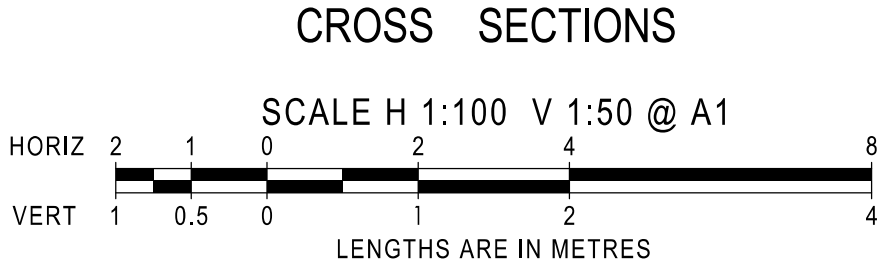
AS CONSTRUCTED

AMENDMENTS				 breesse 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 8 VOYAGER DRIVE CROSS SECTIONS			MUNICIPALITY					
								WHITTLESEA					
								REFERENCE					
								9365 ^E / ₈					
B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW									
VER	DATE	REMARKS	CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	6 OF 17	C



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 8 LAKOYA AVENUE LONG SECTION			MUNICIPALITY WHITTLESEA	
			SURVEY BPD				REFERENCE	
			DESIGN RGW				9365 ^E / ₈	
B	16.04.21	CONSTRUCTION ISSUE	DRAWN RGW					
VER	DATE	REMARKS	CHECKED NM	SCALE AS SHOWN	DATUM AHD	DATE JUN'20	SHEET 7 OF 17	C

LAKOYA AVENUE



AS CONSTRUCTED

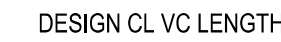
AMENDMENTS			 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
		MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 8			MUNICIPALITY WHITTLESEA		
		SURVEY BPD				REFERENCE		
		DESIGN RGW				9365 ^E / ₈		
B	16.04.21	CONSTRUCTION ISSUE	DRAWN RGW					
VER	DATE	REMARKS	CHECKED NM	SCALE AS SHOWN	DATUM AHD	DATE JUN'20	SHEET 8 OF 17	C

SCALE H 1:500 V 1:50 @ A1

HORIZ 10 5 0 10 20 40

VERT 1 0.5 0 1 2 4

LENGTHS ARE IN METRES



DESIGN CL GRADING

DATUM RL188.0

CHAINAGE CENTRE LINE	ES RIGHT TITLE BDY	FS RIGHT TITLE BDY	RIGHT LIP OF KERB	DESIGN CL	LEFT LIP OF KERB	FS LEFT TITLE BDY	ES LEFT TITLE BDY
0.00							
5.01				190.01			
11.83				189.98			
12.06				189.98			
12.80				189.98			
16.01				189.96			
19.52				189.99			
20.00	190.69	190.12	189.88	189.99	189.86	190.11	190.67
21.01	190.70	190.13	189.90	190.00	189.90	190.12	190.67
26.01	190.77	190.21	189.97	190.08	189.97	190.20	190.70
32.53	190.86	190.33	190.09	190.20	190.09	190.32	190.73
33.31	190.87	190.34	190.11	190.21	190.11	190.33	190.73
36.49	190.91	190.40	190.16	190.27	190.16	190.39	190.74
40.00	190.93	190.45	190.22	190.32	190.22	190.44	190.76
41.53	190.95	190.47	190.24	190.34	190.24	190.46	190.76
42.23	190.95	190.48	190.25	190.35	190.25	190.47	190.76
43.31	190.96	190.26	190.26	190.37	190.26	190.48	190.77
53.31	191.03	190.34	190.34	190.45	190.34	190.57	190.88
60.00	191.06		190.38	190.48	190.38	190.60	190.88
60.43	191.06		190.38	190.49	190.38	190.60	190.88
66.32	191.08		190.41	190.52	190.41	190.63	190.88
72.93	191.04	190.68	190.44	190.55	190.44	190.67	190.87
80.00	191.03	190.71	190.48	190.58	190.48	190.70	190.95
84.67	191.04	190.73	190.50	190.61	190.50	190.72	190.90
86.43	191.04	190.74	190.50	190.61	190.50	190.73	190.91
99.43	191.04	190.81	190.57	190.68	190.57	190.80	190.92
100.00	191.04	190.81	190.58	190.68	190.58	190.80	190.90
100.67	191.05	190.82	190.58	190.69	190.58	190.81	190.89
111.93	191.02	190.87	190.64	190.74	190.64	190.86	190.90
114.67	191.02	190.89	190.65	190.76	190.65	190.88	190.88
120.00	191.03	190.91	190.68	190.78	190.68	190.90	190.89
124.43	191.04	190.93	190.70	190.81	190.70	190.92	190.91
127.17	191.04	190.95	190.71	190.82	190.71	190.94	190.92
136.93	191.05	191.00	190.76	190.87	190.76	190.89	190.94
139.67	191.05	191.01	190.78	190.88	190.78	191.00	190.95
140.00	191.05	191.01	190.78	190.88	190.78	191.00	190.95
150.93	191.08	191.07	190.83	190.94	190.83	191.06	190.99
155.67	191.10	191.09	190.86	190.96	190.86	191.08	191.00
160.00	191.11	191.11	190.88	190.98	190.88	191.10	191.02
163.43	191.12	191.13	190.90	191.00	190.90	191.12	191.03
169.67	191.14	191.16	190.93	191.03	190.93	191.15	191.05
175.93	191.15	191.19	190.96	191.06	190.96	191.18	191.07
180.00	191.21	191.21	190.98	191.08	190.98	191.20	191.08
183.67	191.26	191.23	191.00	191.10	191.00	191.22	191.09
188.43	191.30	191.25	191.02	191.13	191.02	191.24	191.11
200.00	191.42	191.31	191.08	191.19	191.08	191.30	191.31
220.00	191.63	191.66	191.42	191.53	191.42	191.65	191.59
240.00	191.99	192.00	191.77	191.88	191.77	191.99	191.89
250.00	192.10	192.18	191.94	192.05	191.94	192.17	191.96
260.00	192.22	192.60	192.37	192.48	192.37	192.59	192.14
280.00	193.18	193.45	193.22	193.33	193.22	193.44	193.38
300.00	194.31	194.30	194.07	194.18	194.07	194.29	194.23
307.72		194.63	194.40	194.51	194.40	194.62	

TYPICAL MASS ROCK RETAINING WALL DETAIL

(Dimensions in millimetres)

H - MAX RETAINING HEIGHT

B MIN

C

S

FSL

SELECTED BASALT ROCKS SET IN MORTAR MIX 1 CEMENT : 6 SAND. ALL VOIDS FILLED. ROCK SIZE NOMINALLY 300 - 900mm

300mm IMPERMEABLE LAYER

SELECT COMPACTED BACKFILL

20mm SCREENINGS BACKFILL 300mm WIDTH PLACED AGAINST BACK OF WALL SURROUNDED WITH GEOTEXTILE

100mm AG DRAIN - TO BE CONNECTED TO UNDERGROUND DRAINAGE SYSTEM

IMPERMEABLE CLAY BACKFILL TO WEEPHOLE INVERT

50 DIA UPVC WEEPHOLES @ 1500 CRS. ENSURE WEEPHOLE IS ABOVE FOOTPATH LEVEL & TRIMMED FLUSH WITH WALL FACE

BED BASE COURSE OF BASALT ROCKS INTO A 200mm LAYER OF CONCRETE WITH SL72 MESH TOP. WHEN CONSTRUCTED OVER DRAINAGE PIPES MINIMUM DEPTH TO BE 300mm EXTENDED 1.00m EACH SIDE OF DRAINAGE PIPE

200 REFER NOTE F.2.

PROPOSED SEWER (REFER NOTE F)

45°

TYPICAL FENCE POST SUPPORT DETAIL (WHERE REQUIRED)

65 x 10 GALV. PLATE x 520 LONG. 100 LAP TO UC POST WITH 6CFW ALL SIDES. PROVIDE 2 x M16 GALV. BOLTS WITH 50 x 50 x 6 GALV. PLATE WASHERS TO FENCE POST.

150UC23 POST TO MATCH FENCE POST CENTRES (MAX 3.0m) AND CORNER LOCATIONS. ALL VOIDS AROUND POST TO BE FILLED WITH MORTAR.

10mm THICK BASE PLATE WITH 6CFW TO ALL SIDES OF UC POST. PROVIDE 4 x M16 CHEMSET ANCHORS TO SLAB WITH 125mm MIN EMBEDMENT

520

300

40

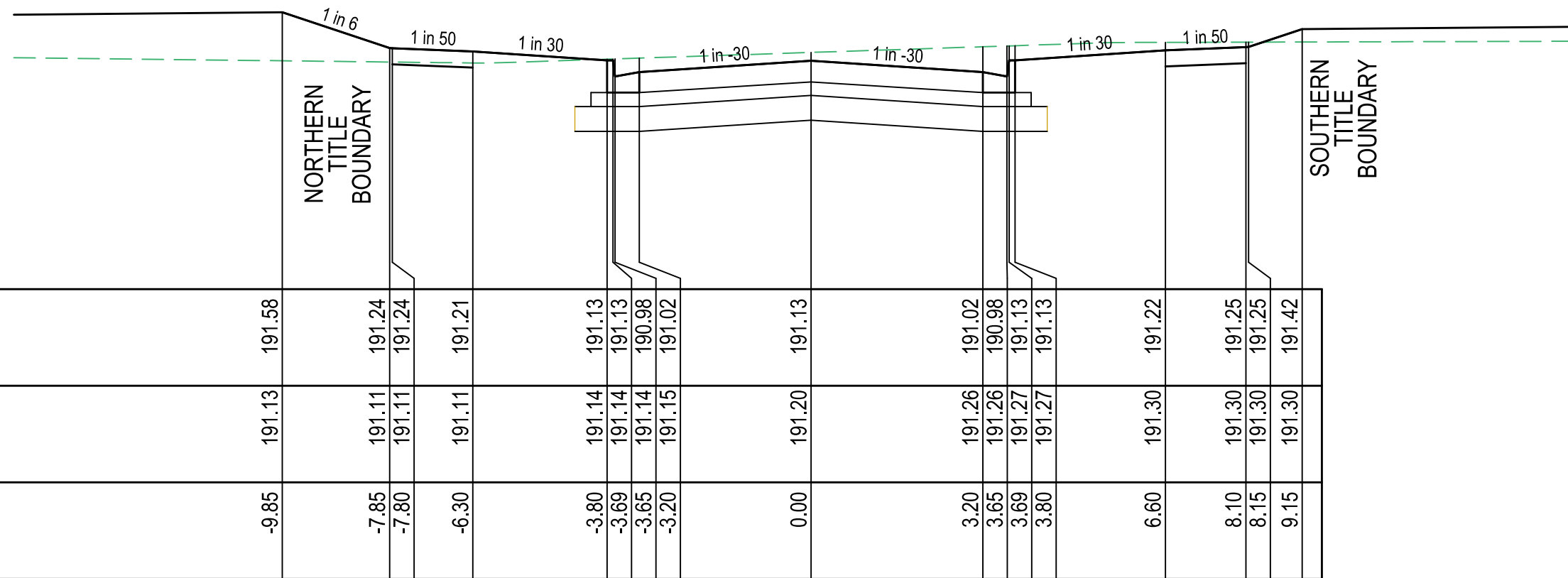
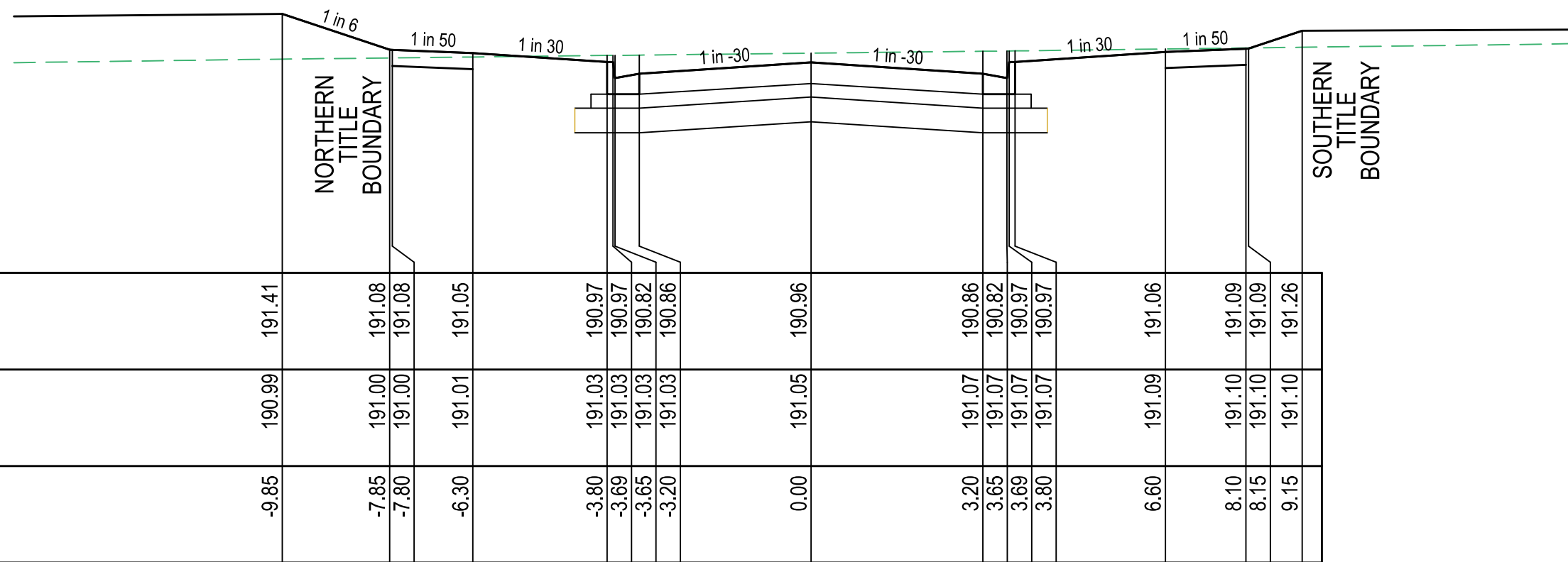
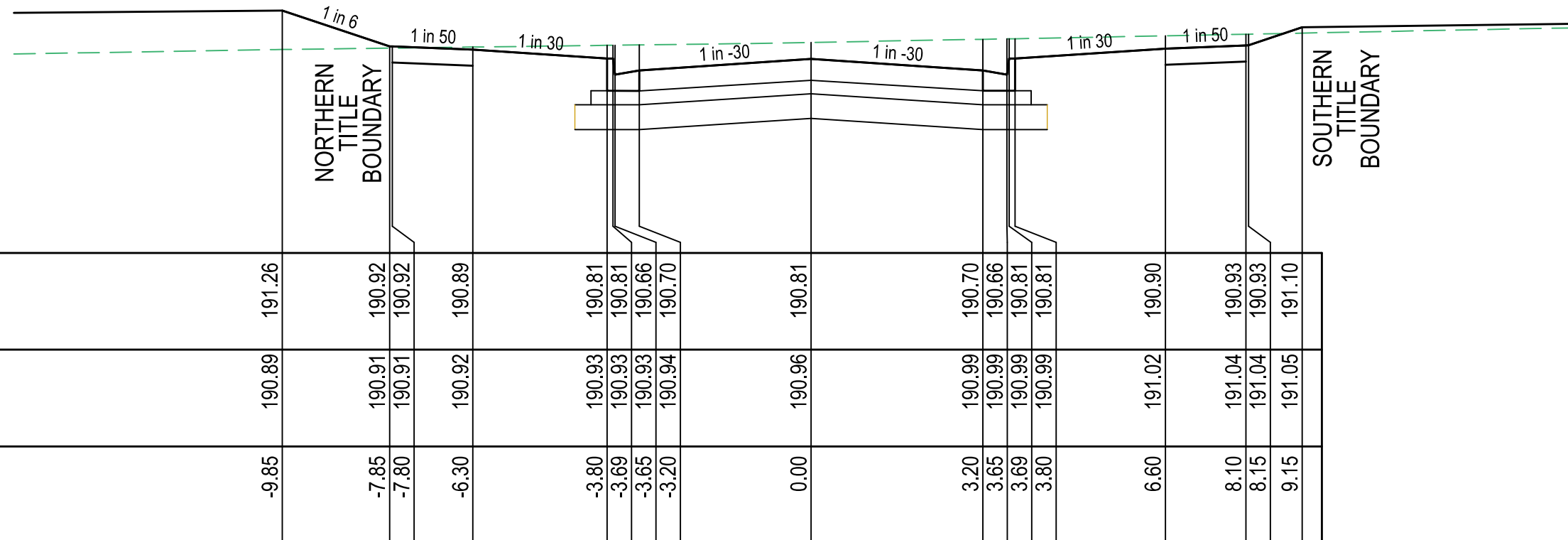
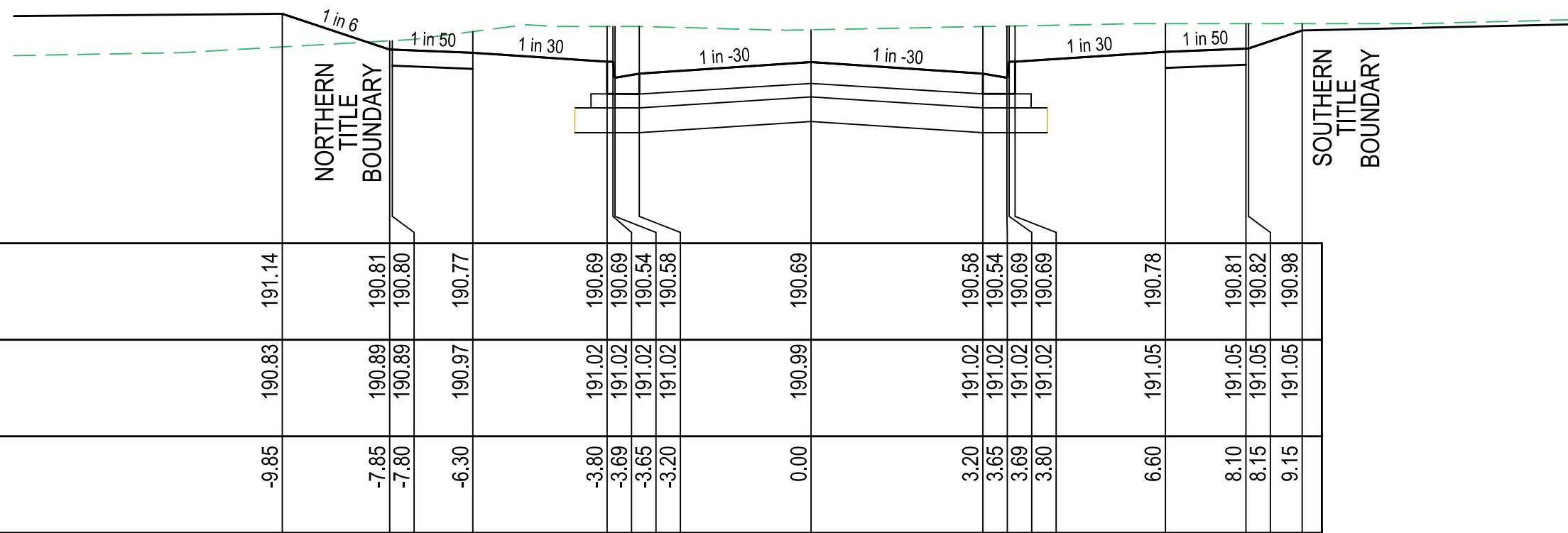
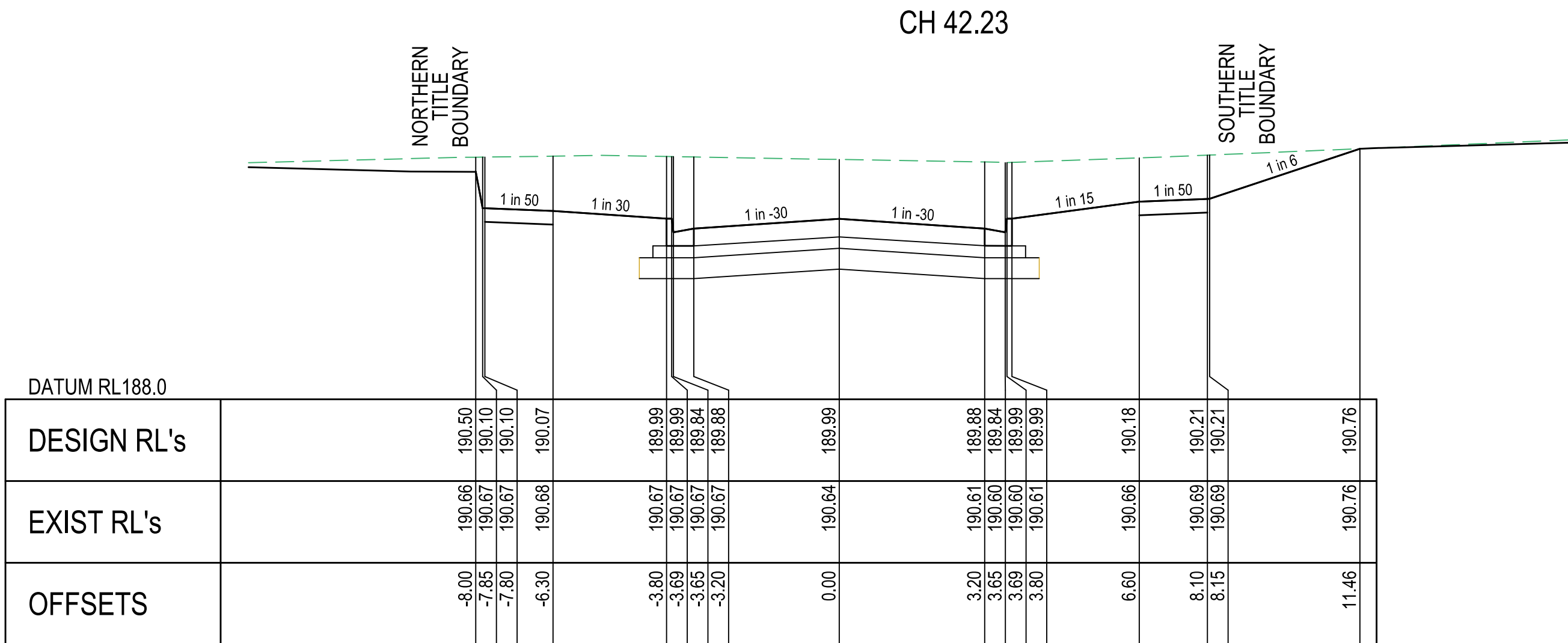
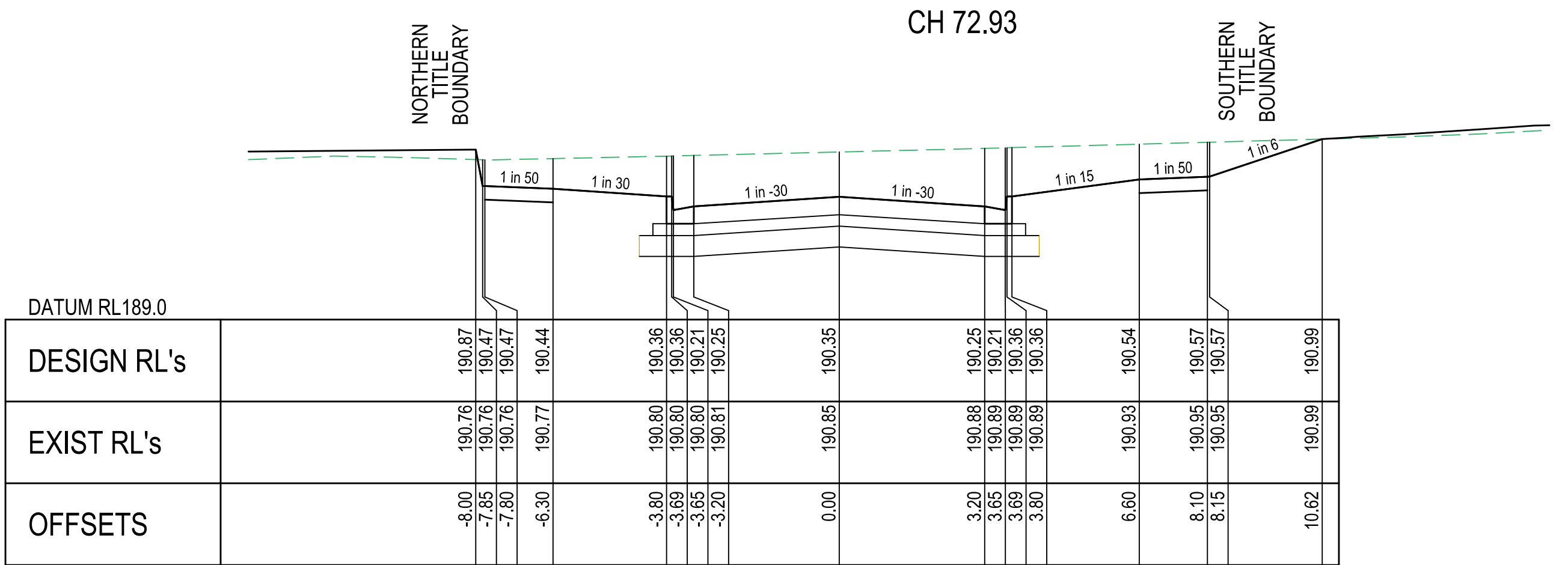
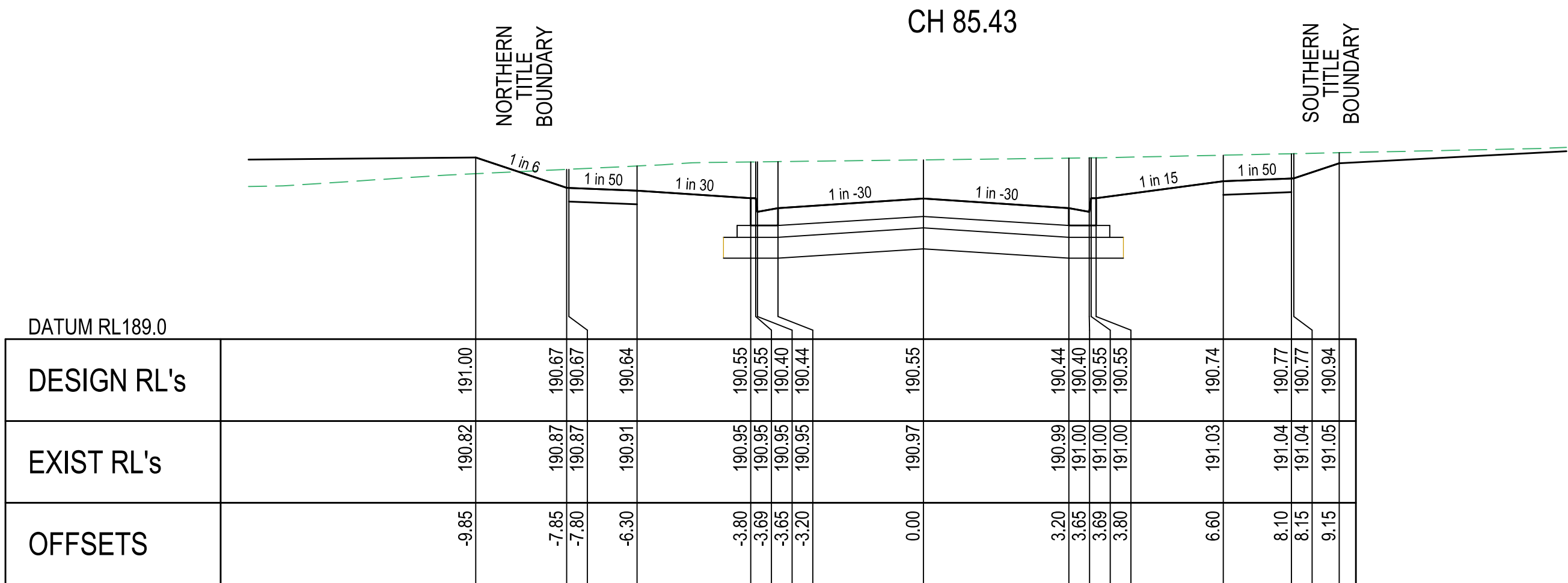
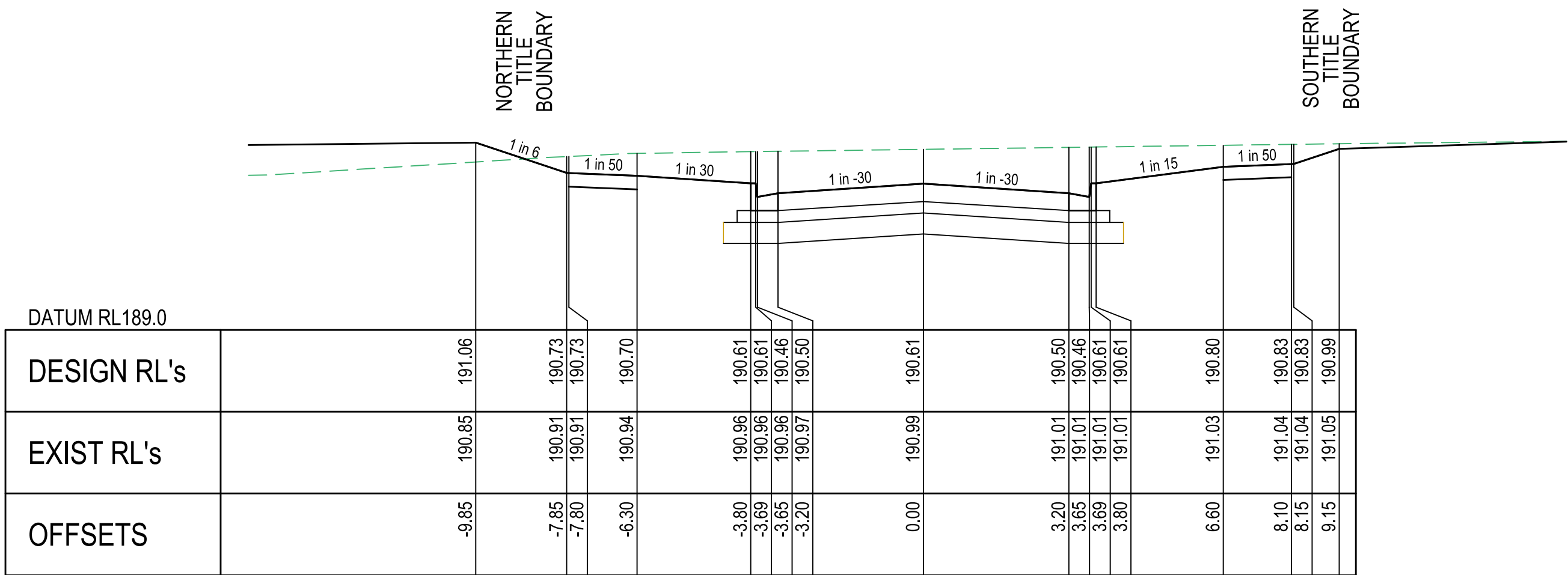
100

80

C (500 MIN)

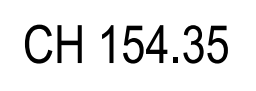
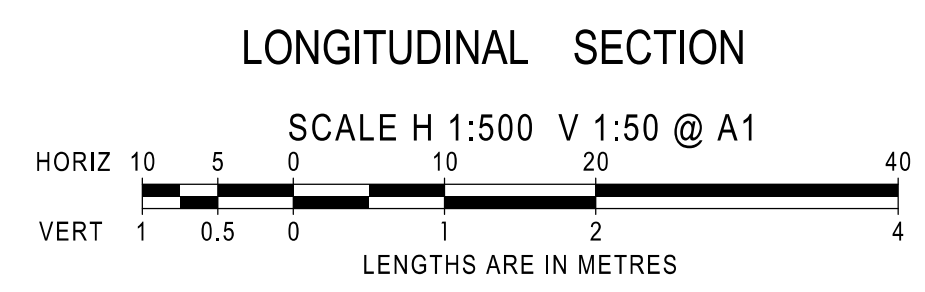
AS CONSTRUCTED

AMENDMENTS					breese pitt dixon pty. ltd. land surveyorscivil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
			MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 8 RUNGRADO VIEW LONG SECTION			MUNICIPALITY			
			SURVEY BPD				WHITTLESEA			
			DESIGN RGW				REFERENCE			
B	16.04.21	CONSTRUCTION ISSUE	DRAWN RGW				9365 ^E / ₈			
VER	DATE	REMARKS	CHECKED NM	SCALE AS SHOWN	DATUM AHD	DATE JUN'20	SHEET 9 OF 17	C		



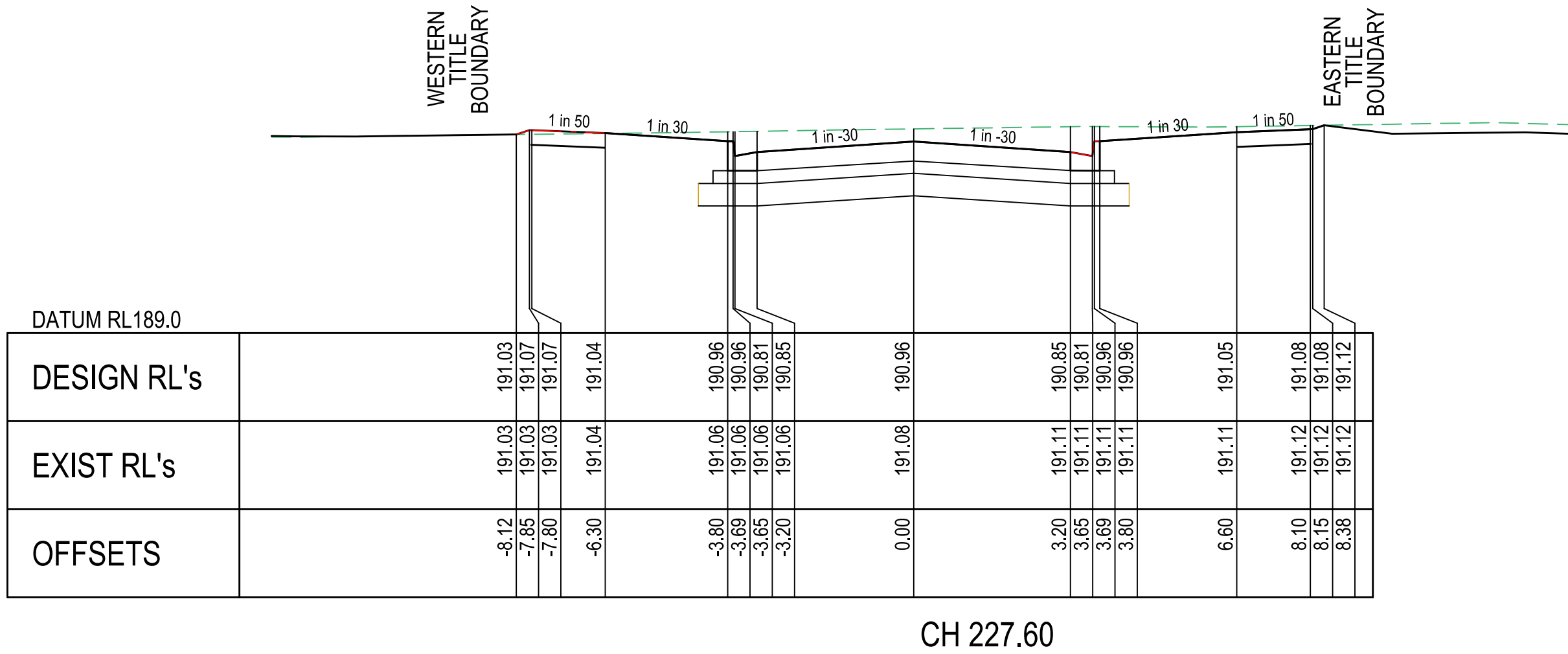
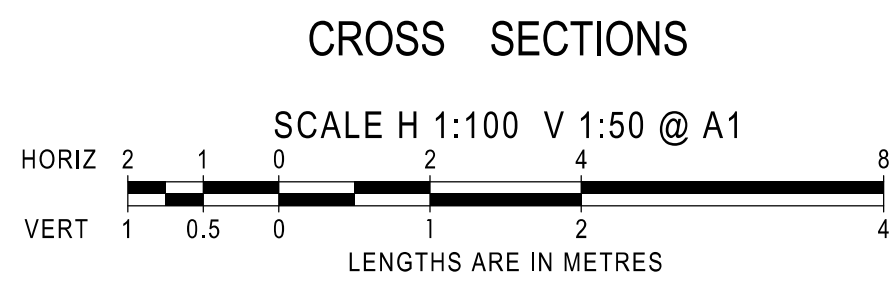
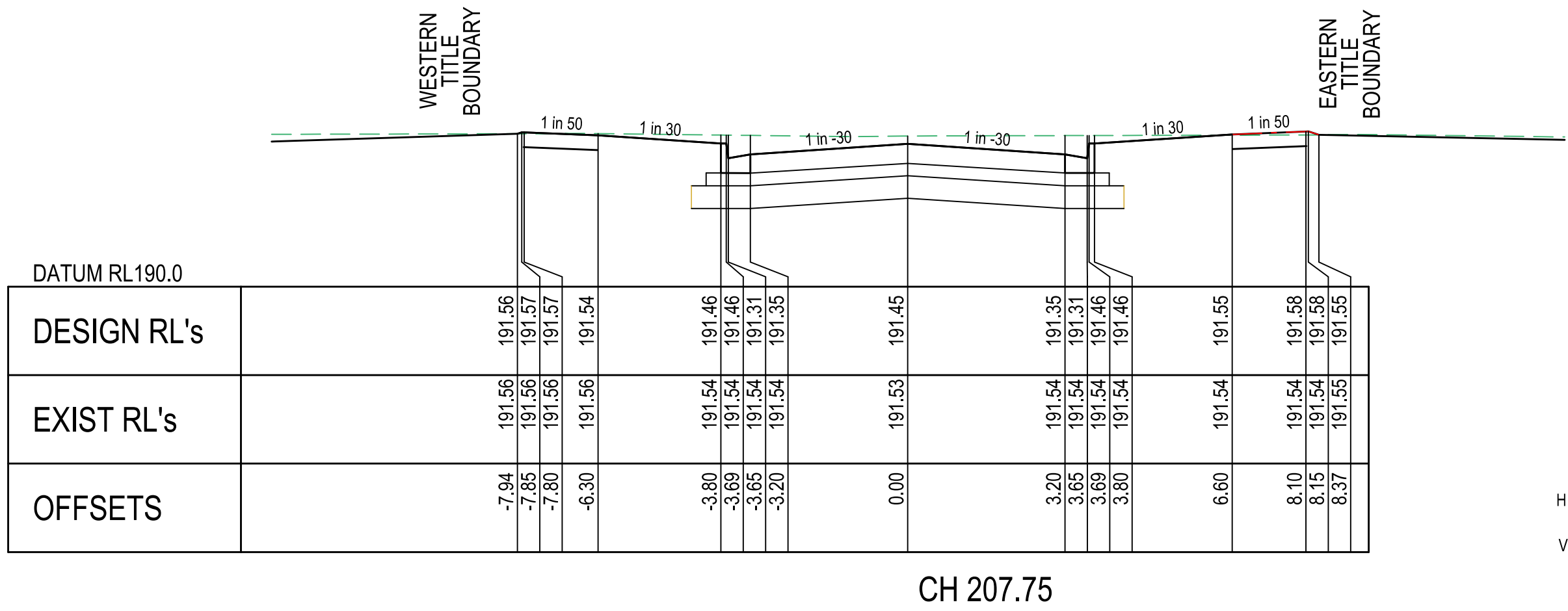
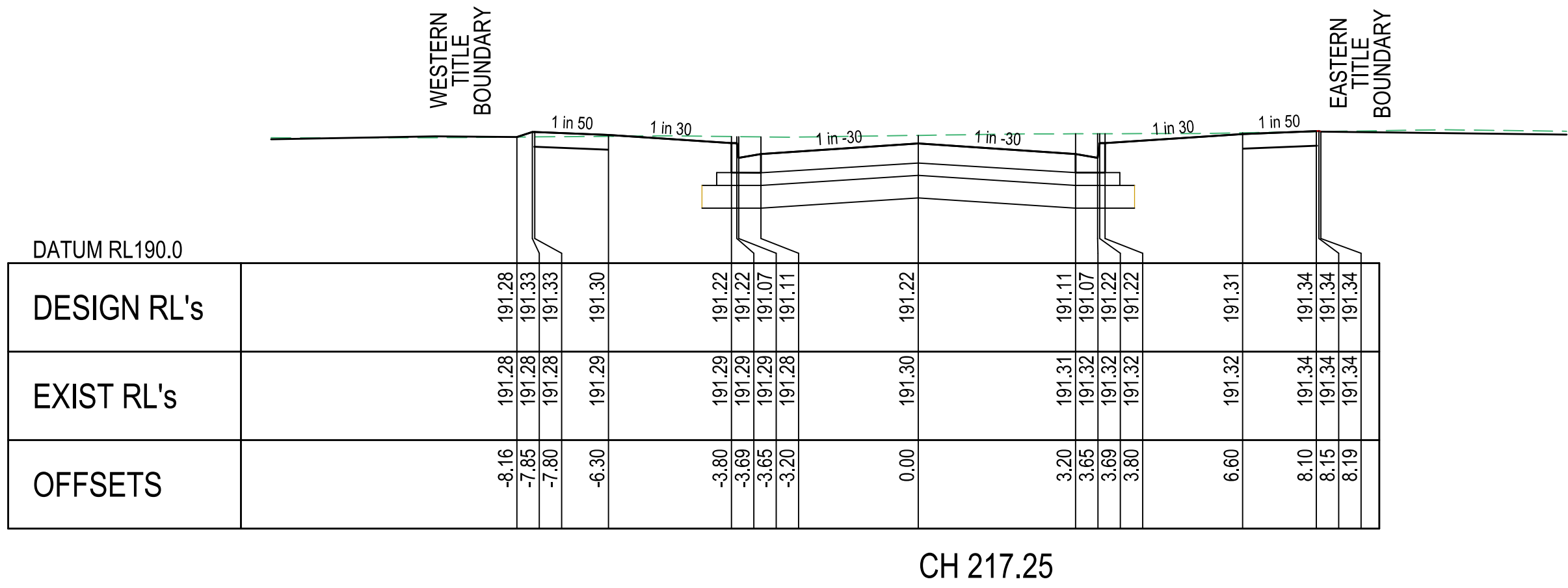
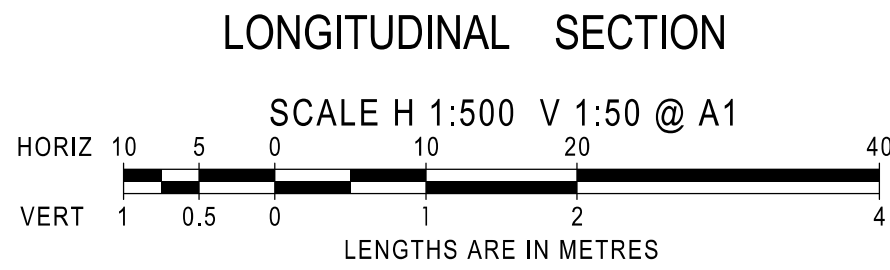
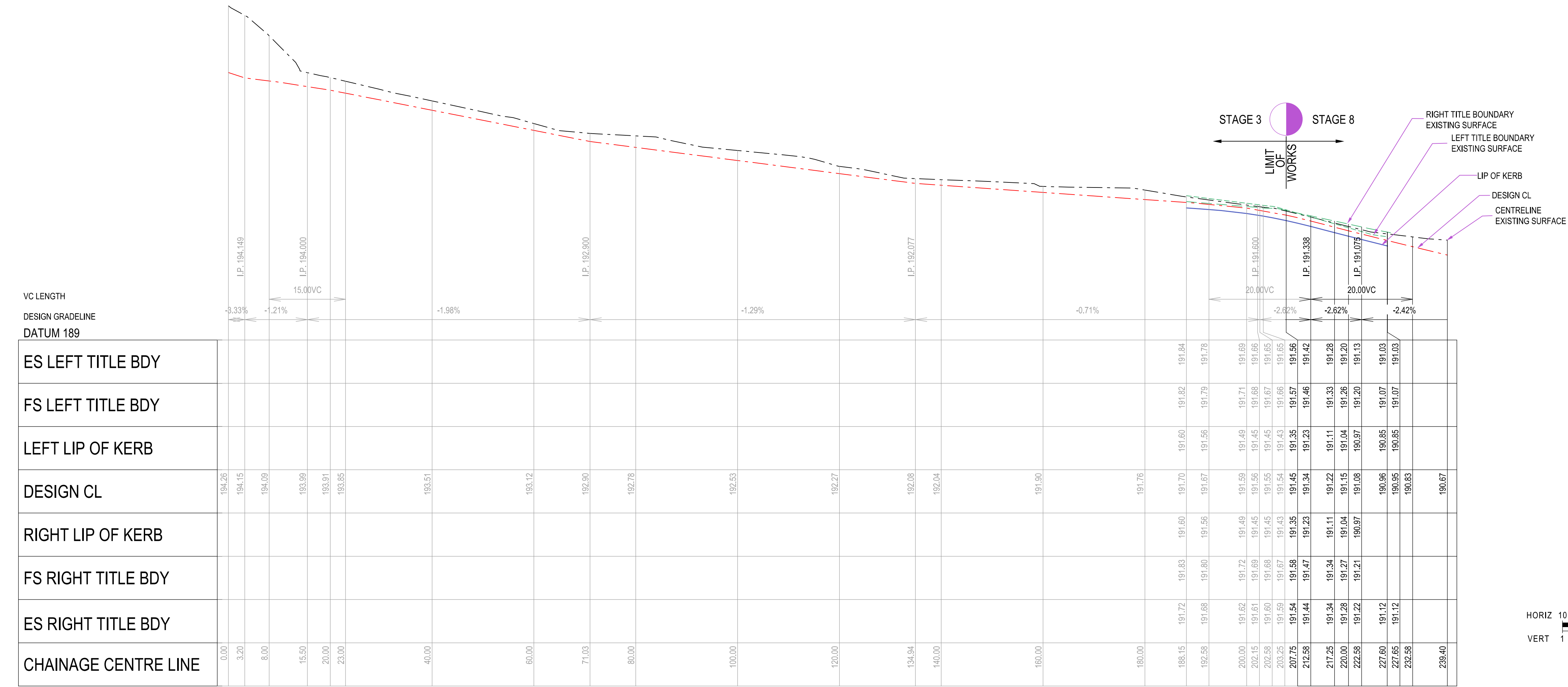
AS CONSTRUCTED

AMENDMENTS					1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
					MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 8 RUNGRADO CROSS SECTIONS	MUNICIPALITY WHITTLESEA		
					SURVEY BPD		REFERENCE 9365 E/8		
					DESIGN RGW				
B	16.04.21	CONSTRUCTION ISSUE	DRAWN RGW	CHECKED NM	SCALE AS SHOWN	DATUM AHD	DATE JUN'20	SHEET 10 OF 17	C



KAFUE ROAD

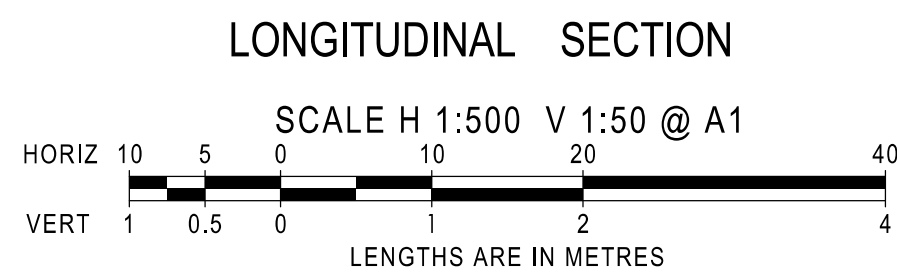
AMENDMENTS					breese pitt dixon Pty. Ltd. land surveyorscivil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
			MELWAY REF.	388-C-10	RATHDOWNE ESTATE STAGE 8 KAFUE ROAD LS & XS			MUNICIPALITY							
			SURVEY	BPD				WHITTLESEA							
			DESIGN	RGW				REFERENCE							
B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW				9365 ^E / ₈							
VER	DATE	REMARKS	CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	11	OF	17	



AS CONSTRUCTED

YORK STREET

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	
				SURVEY BPD	
				DESIGN RGW	
B	16.04.21	CONSTRUCTION ISSUE	DRAWN RGW	RATHDOWNE ESTATE STAGE 8 YORK STREET LS & XS	MUNICIPALITY WHITTLESEA REFERENCE 9365 E/8
VER	DATE	REMARKS	CHECKED NM		
SCALE AS SHOWN		DATUM AHD	DATE JUN'20	SHEET 12 OF 17	C



CROSS SECTIONS

SCALE H 1:100 V 1:50 @ A1

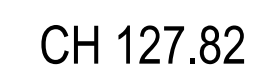
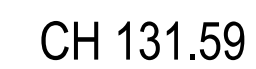
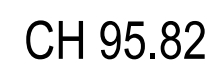
HORIZ

VERT

2 1 0 2 4 8

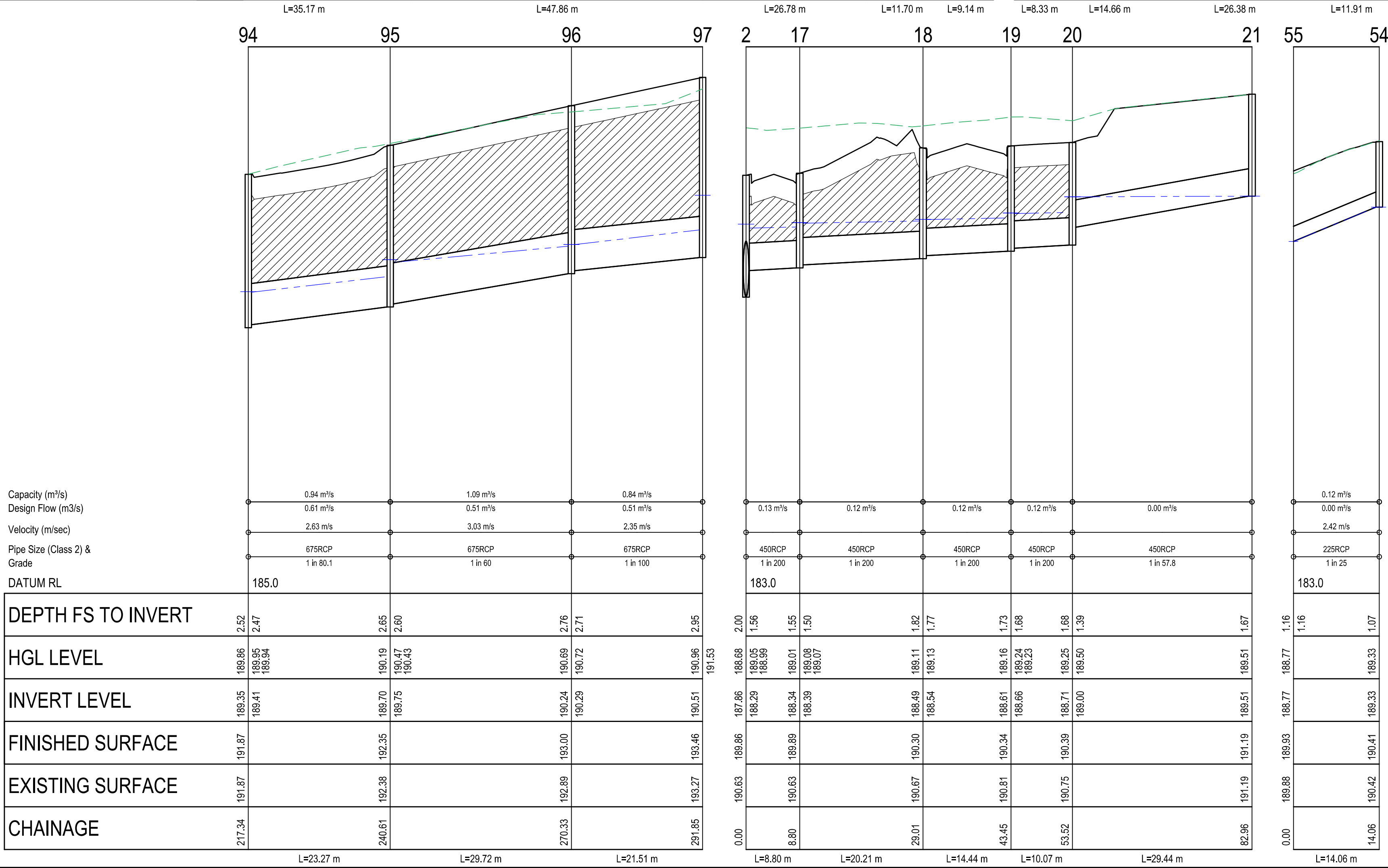
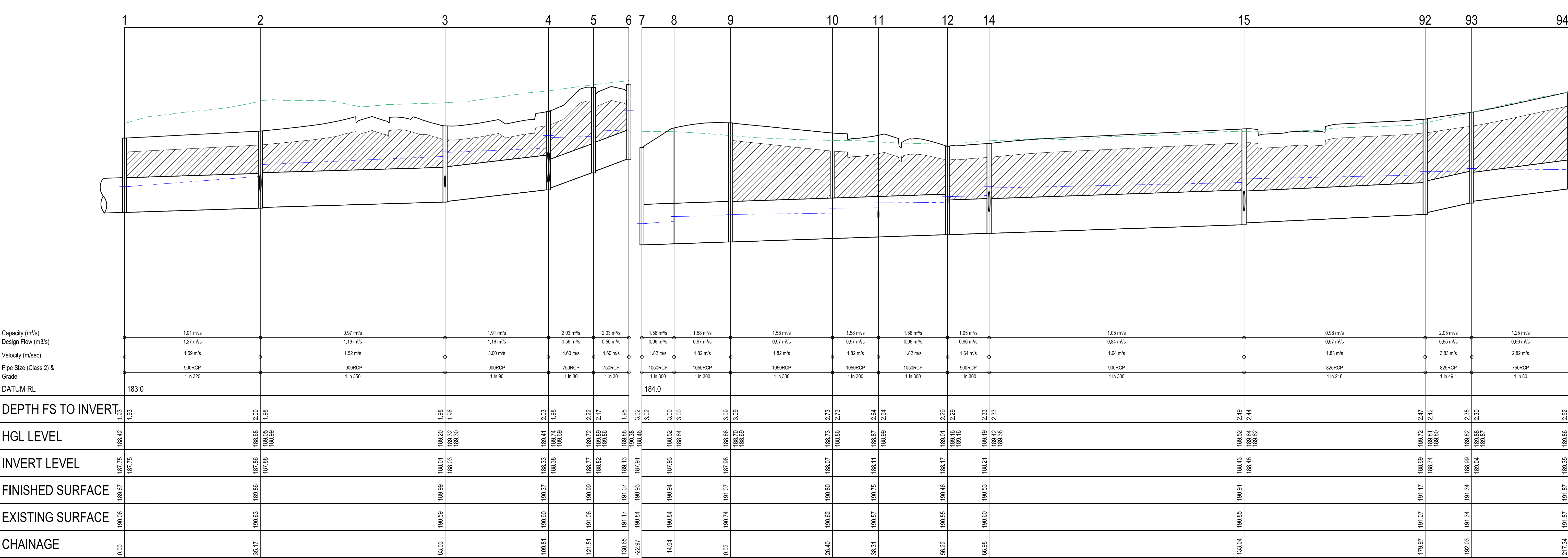
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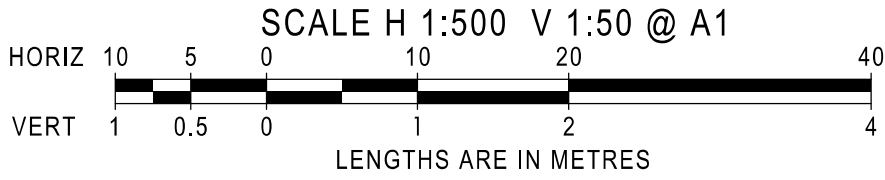
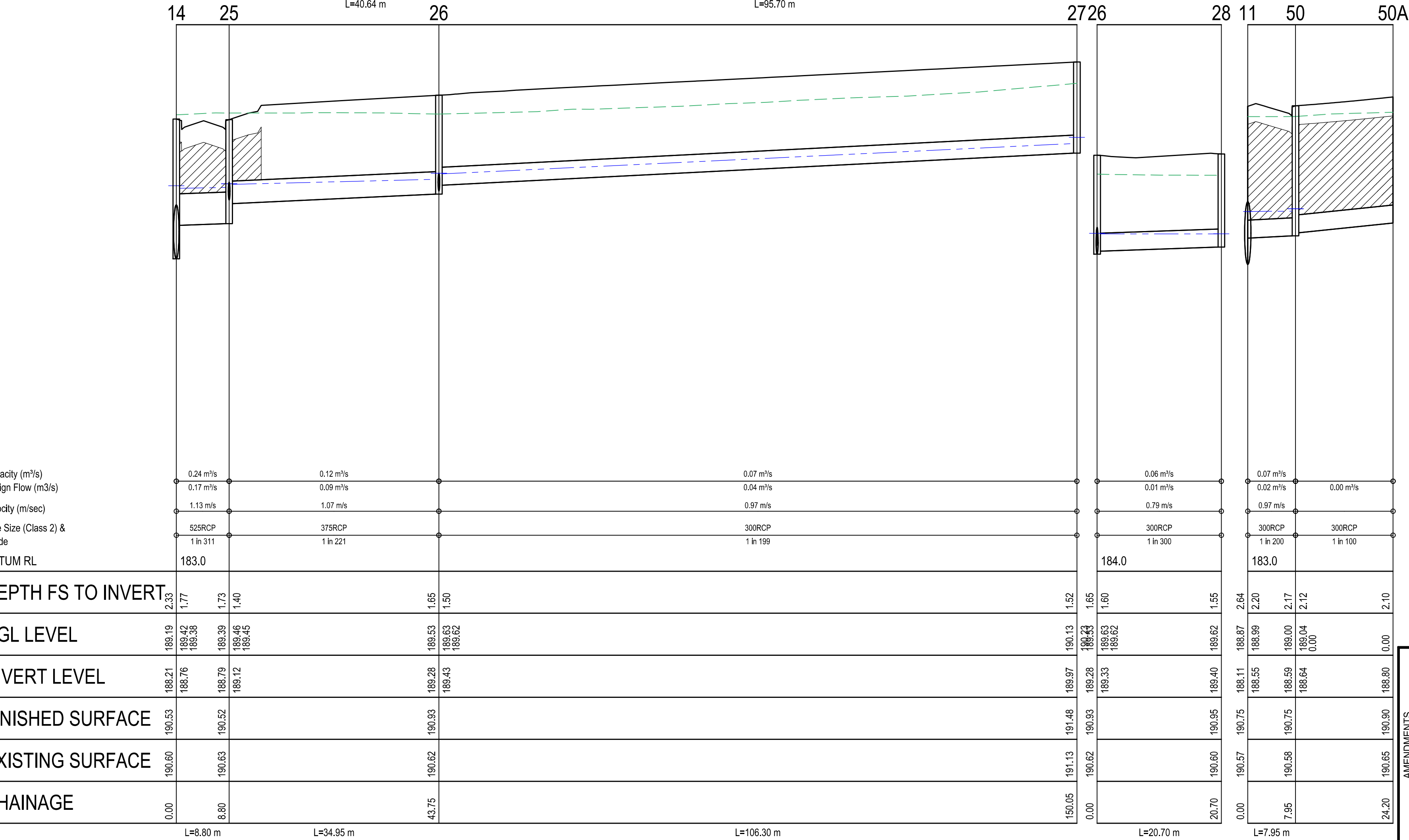
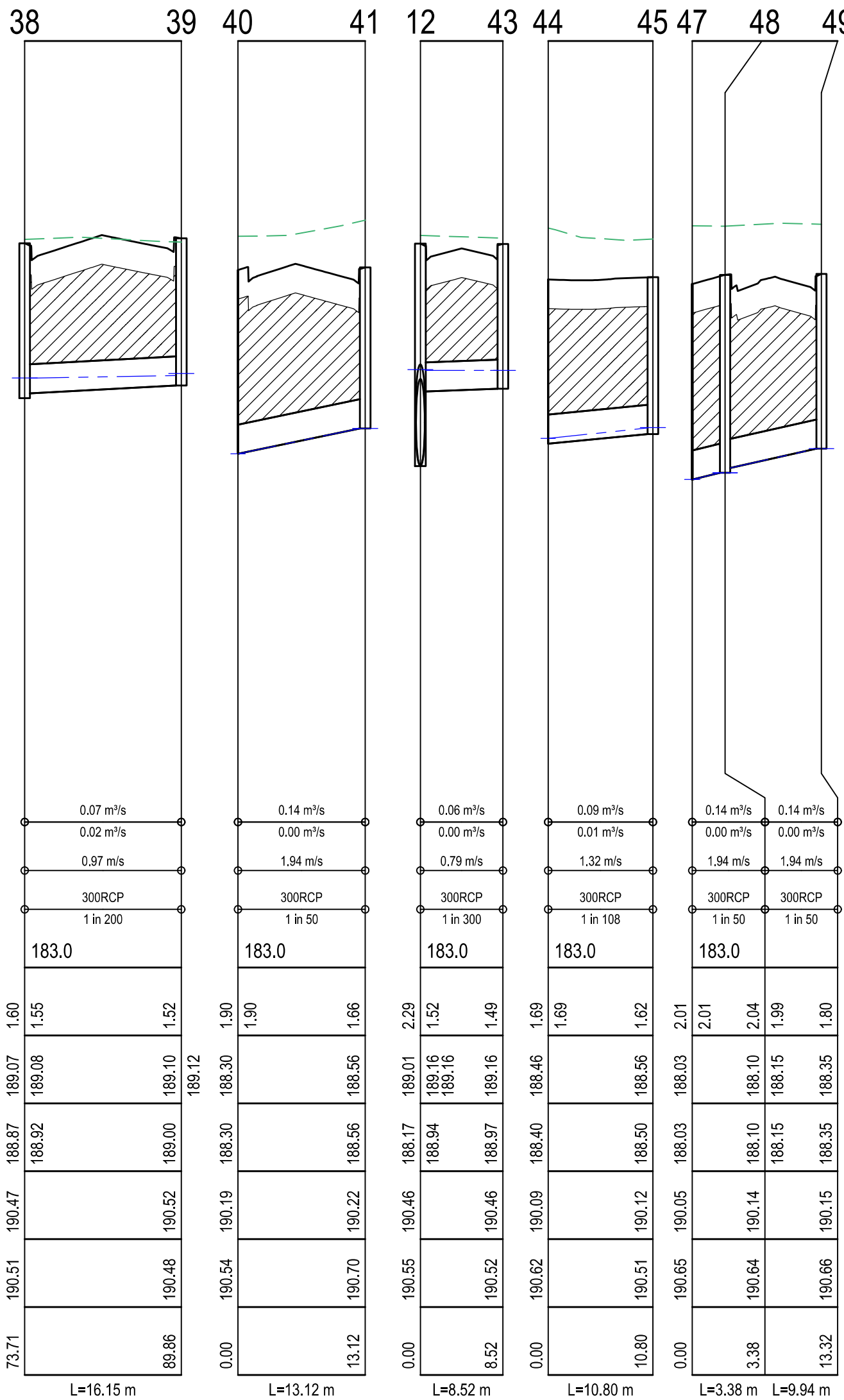
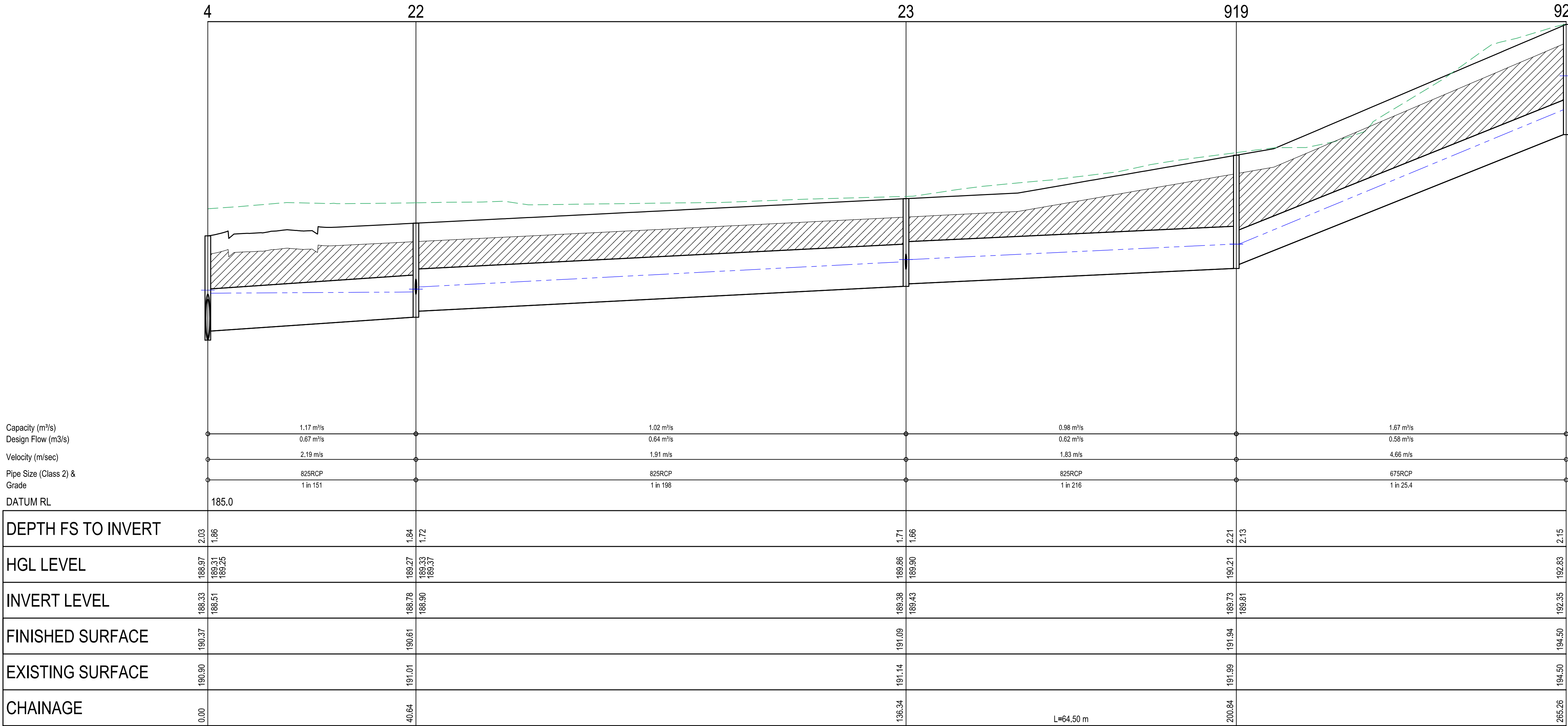
LENGTHS ARE IN METRES



AS CONSTRUCTED

AMENDMENTS					breese pitt dixon pty. ltd. land surveyorscivil engineers			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310							
			MELWAY REF.	388-C-10	RATHDOWNNE ESTATE STAGE 8			MUNICIPALITY							
			SURVEY	BPD				WHITTLESEA							
			DESIGN	RGW				REFERENCE							
B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW				9365 E/8							
VER	DATE	REMARKS	CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	13	OF	17	C

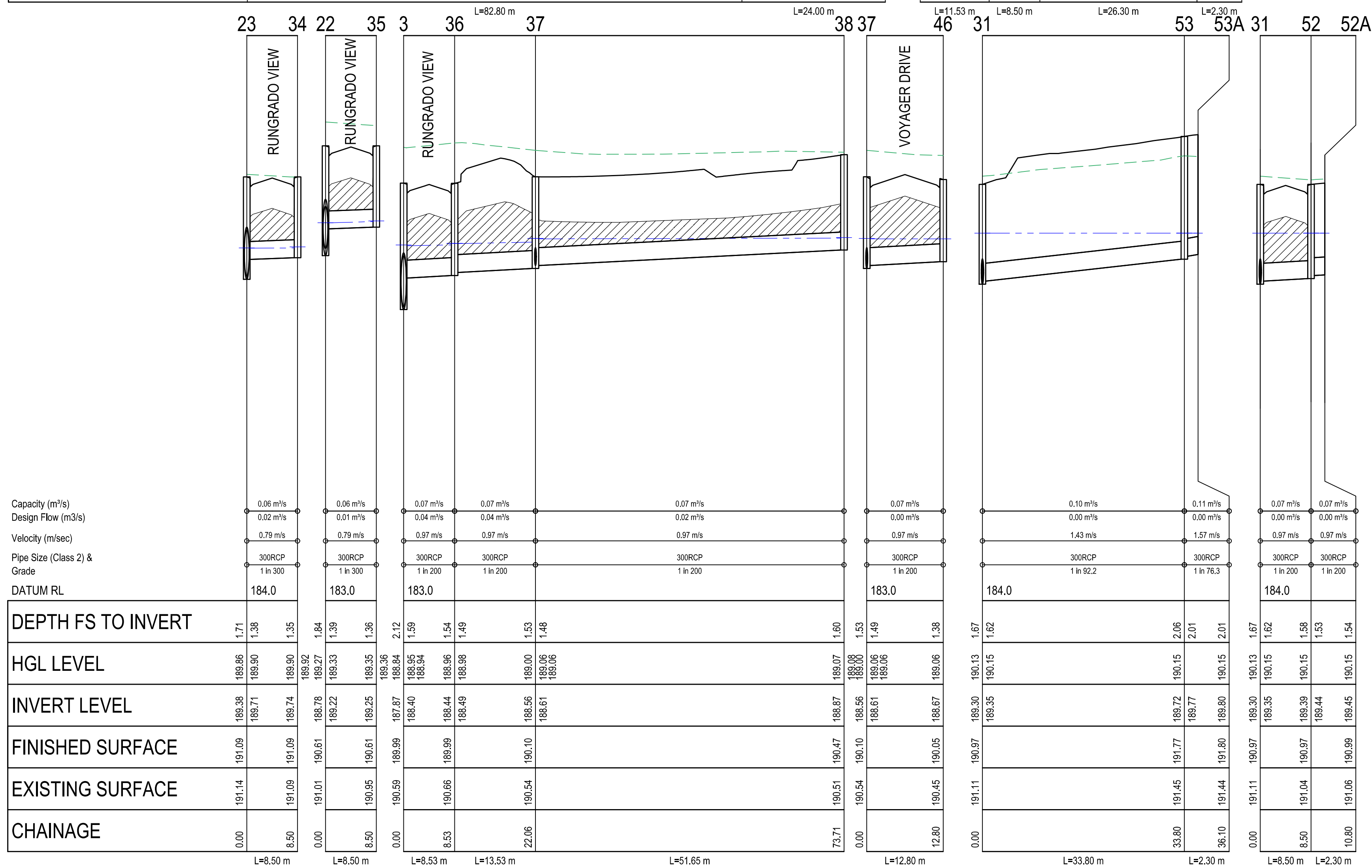




INDICATES CRUSHED ROCK BACKFILL
INDICATES 5YR HGL

AS CONSTRUCTED

AMENDMENTS		bpd breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
B	16.04.21	CONSTRUCTION ISSUE	MELWAY REF. 388-C-10	RATHDOWNE ESTATE STAGE 8	
			SURVEY BPD		
			DESIGN RGW		
VER	DATE	REMARKS	DRAWN RGW	SCALE AS SHOWN	DATUM AHD
			CHECKED NM	DATE JUN'20	SHEET 15 OF 17



PIT SCHEDULE										
PIT	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP	DEPTH	REMARKS
No.				INVERT	DIA	INVERT	DIA	PIT RL	INVERT	
1	END PIPE	900	1200	187.75	900			189.67	1.93	CONNECT EXISTING 900 STUB TO OUTLET
2	GRATED ENTRY PIT	900	1200	187.88	900	187.86	900	189.86	2.00	EDCM601&607 (HAUNCHED)
3	DBL GR ENTRY PIT	900	1200	188.29	450					
				188.03	900	188.01	900	189.99	1.98	EDCM601&604 (HAUNCHED)
				188.40	300					
4	GRATED ENTRY PIT	900	1200	188.38	750	188.33	900	190.37	2.04	EDCM601&607 (HAUNCHED)
				188.51	825					
5	GRATED ENTRY PIT	900	1200	188.82	750	188.77	750	190.99	2.22	EDCM601&607 (HAUNCHED)
6	GRATED ENTRY PIT	900	1200			189.13	750	191.07	1.95	EDCM601&607 (HAUNCHED)
7	END PIPE		1050	187.91	1050			190.43	2.52	
8	BANDAGE JOINT			187.93	1050	187.93	1050	190.98	3.04	
9	GRATED ENTRY PIT	900	1500	187.98	1050	187.98	1050	190.74	2.76	EDCM601&607 (HAUNCHED)
10	BANDAGE JOINT			188.07	1050	188.07	1050	190.81	2.74	
11	BANDAGE JOINT			188.11	1050	188.11	1050	190.75	2.64	EDCM607 (HAUNCHED)
				188.55	300					
12	DBL GR ENTRY PIT	900	1500	188.17	900	188.17	1050	190.50	2.33	EDCM601&604 (HAUNCHED)
				188.94	300					
14	GRATED ENTRY PIT	900	1200	188.21	900	188.21	900	190.53	2.33	EDCM601&607 (HAUNCHED)
				188.76	525					
15	GRATED ENTRY PIT	900	1500	188.48	825	188.43	900	190.91	2.49	EDCM601&607 (HAUNCHED)
				188.78	525					
17	GRATED ENTRY PIT	900	600	188.39	450	188.34	450	189.90	1.56	EDCM601
18	GRATED ENTRY PIT	900	600	188.54	450	188.49	450	190.30	1.82	EDCM601
19	GRATED ENTRY PIT	900	600	188.66	450	188.61	450	190.34	1.73	EDCM601
20	JUNCTION PIT	900	600	189.00	450	188.71	450	190.39	1.68	EDCM605
21	JUNCTION PIT	900	600			189.51	450	191.19	1.67	EDCM605
22	GRATED ENTRY PIT	900	1200	188.90	825	188.78	825	190.62	1.84	EDCM601&607 (HAUNCHED)
				189.23	300					
23	GRATED ENTRY PIT	900	1200	189.43	825	189.38	825	191.09	1.71	EDCM601&607 (HAUNCHED)
				189.71	300					
25	JUNCTION PIT	900	900	189.13	375	188.79	525	190.52	1.73	EDCM607 (HAUNCHED)
				189.18	300					
26	JUNCTION PIT	900	600	189.43	300	189.28	375	190.93	1.65	EDCM605
				189.33	300					
27	JUNCTION PIT	900	600			189.97	300	191.48	1.52	EDCM605
28	JUNCTION PIT	900	600			189.40	300	190.95	1.55	EDCM605
29	GRATED ENTRY PIT	900	900	188.87	450	188.82	525	190.77	1.95	EDCM601&607 (HAUNCHED)
30	GRATED ENTRY PIT	900	600	189.04	375	188.90	450	190.77	1.87	EDCM601
31	GRATED ENTRY PIT	900	600	189.35	375	189.30	375	190.97	1.67	EDCM601
				189.35	300					
				189.35	300					
32	GRATED ENTRY PIT	900	600	189.66	300	189.61	300	191.00	1.38	EDCM601
33	JUNCTION PIT	900	600			189.73	300	191.12	1.39	EDCM605
34	GRATED ENTRY PIT	900	600			189.74	300	191.09	1.35	EDCM601
35	GRATED ENTRY PIT	900	600			189.25	300	190.61	1.36	EDCM601
36	DBL GR ENTRY PIT	900	600	188.49	300	188.44	300	189.99	1.55	EDCM604
37	DBL GR ENTRY PIT	900	600	188.61	300	188.56	300	190.09	1.53	EDCM604 (HAUNCHED)
				188.61	300					
38	JUNCTION PIT	900	600	188.92	300	188.87	300	190.51	1.64	EDCM605
39	GRATED ENTRY PIT	900	600			189.00	300	190.52	1.52	EDCM601
40	PIPE CONNECTION			188.30	300			190.20	1.90	PIPE TO PIPE CONNECTION
41	GRATED ENTRY PIT	900	600			188.56	300	190.22	1.66	EDCM601
43	DBL GR ENTRY PIT	900	600			188.97	300	190.50	1.54	EDCM604
44	PIPE CONNECTION			188.40	300			190.11	1.71	PIPE TO PIPE CONNECTION
45	GRATED ENTRY PIT	900	600			188.50	300	190.12	1.62	EDCM601
46	DBL GR ENTRY PIT	900	600			188.67	300	190.05	1.38	EDCM604
47	PIPE CONNECTION			188.03	300			190.06	2.02	PIPE TO PIPE CONNECTION
48	GRATED ENTRY PIT	900	600	188.15	300	188.10	300	190.14	2.04	EDCM601
49	GRATED ENTRY PIT	900	600			188.35	300	190.15	1.80	EDCM601
50	GRATED ENTRY PIT	900	600	188.64	300	188.59	300	190.75	2.16	EDCM601
52	GRATED ENTRY PIT	900	600	189.44	300	189.39	300	190.97	1.58	EDCM601
53	JUNCTION PIT	900	600	189.77	300	189.72	300	191.77	2.06	EDCM605
54	JUNCTION PIT	900	600			189.33	250	190.41	1.08	EDCM605
55	END PIPE			188.77	225			189.93	1.16	CAP END FOR FUTURE CONNECTION
92	GRATED ENTRY PIT	900	1200	188.74	825	188.69	825	191.17	2.47	EDCM601&607 (HAUNCHED)
93	JUNCTION PIT	900	1200	189.04	750	188.99	825	191.34	2.35	EDCM607 (HAUNCHED)
94	GRATED ENTRY PIT	900	900	189.405	675	189.355	750	191.871	2.516	EDCM601&607 (HAUNCHED)
95	GRATED ENTRY PIT	900	900	189.746	675	189.696	675	192.347	2.651	EDCM601&607 (HAUNCHED)
96	GRATED ENTRY PIT	900	900	190.291	675	190.241	675	192.997	2.756	EDCM601&607 (HAUNCHED)
97	GRATED ENTRY PIT	900	900			190.506	675	193.460	2.954	EDCM601&607 (HAUNCHED)
919	GRATED ENTRY PIT	900	1200	189.810	675	189.729	825	191.942	2.213	EDCM601&607 (HAUNCHED)
920	GRATED ENTRY PIT	900	900			192.345	675	194.496	2.151	EDCM601&607 (HAUNCHED)
31A	END PIPE					189.372	375	190.99	1.619	CAP END FOR FUTURE CONNECTION
50A	END PIPE					188.801	300	190.903	2.102	CAP END FOR FUTURE CONNECTION
52A	END PIPE					189.454	300	190.094	0.64	CAP END FOR FUTURE CONNECTION
53A	END PIPE					189.797	300	191.802	2.005	CAP END FOR FUTURE CONNECTION

AS CONSTRUCTED

AMENDMENTS				breese pitt dixon pty. ltd. land surveyors				
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SIGNAGE LEGEND

[A] STREET SIGNS (2 No) AT CENTRE OF ROUNDABOUT

[D] KEEP LEFT (R2-3AL) - CLASS 1

[F] GIVE WAY SIGN (R1-2A) - CLASS 1

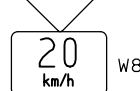
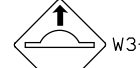
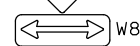
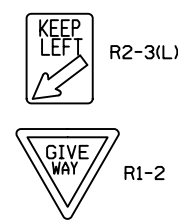
[G] ROAD CLOSED SIGN (G9-20) WITH OBSTRUCTION MARKER SIGN (D4-5) - CLASS 1

[K] PEDESTRIAN CROSSING SIGN (R3-1A) - CLASS 1

[L] BICYCLE PEDESTRIAN WARNING SIGN (W6-9A) WITH CROSSING ARROW SIGN (W8-23A) BELOW. ALL CLASS 1.

[N] "RAISED PAVEMENT AHEAD" WARNING SIGN

[O] ROAD HUMP SIGN & ADVISORY SPEED SIGN (20km/h)



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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 8			MUNICIPALITY							
			SURVEY	BPD				WHITTLESEA							
C	18.03.22	INTERSECTION SIGNAGE UPDATED	DESIGN	RGW				REFERENCE							
	B	16.04.21	CONSTRUCTION ISSUE	DRAWN	RGW	9365 E/8									
VER	DATE	REMARKS		CHECKED	NM	SCALE	AS SHOWN	DATUM	AHD	DATE	JUN'20	SHEET	17	OF 17	C