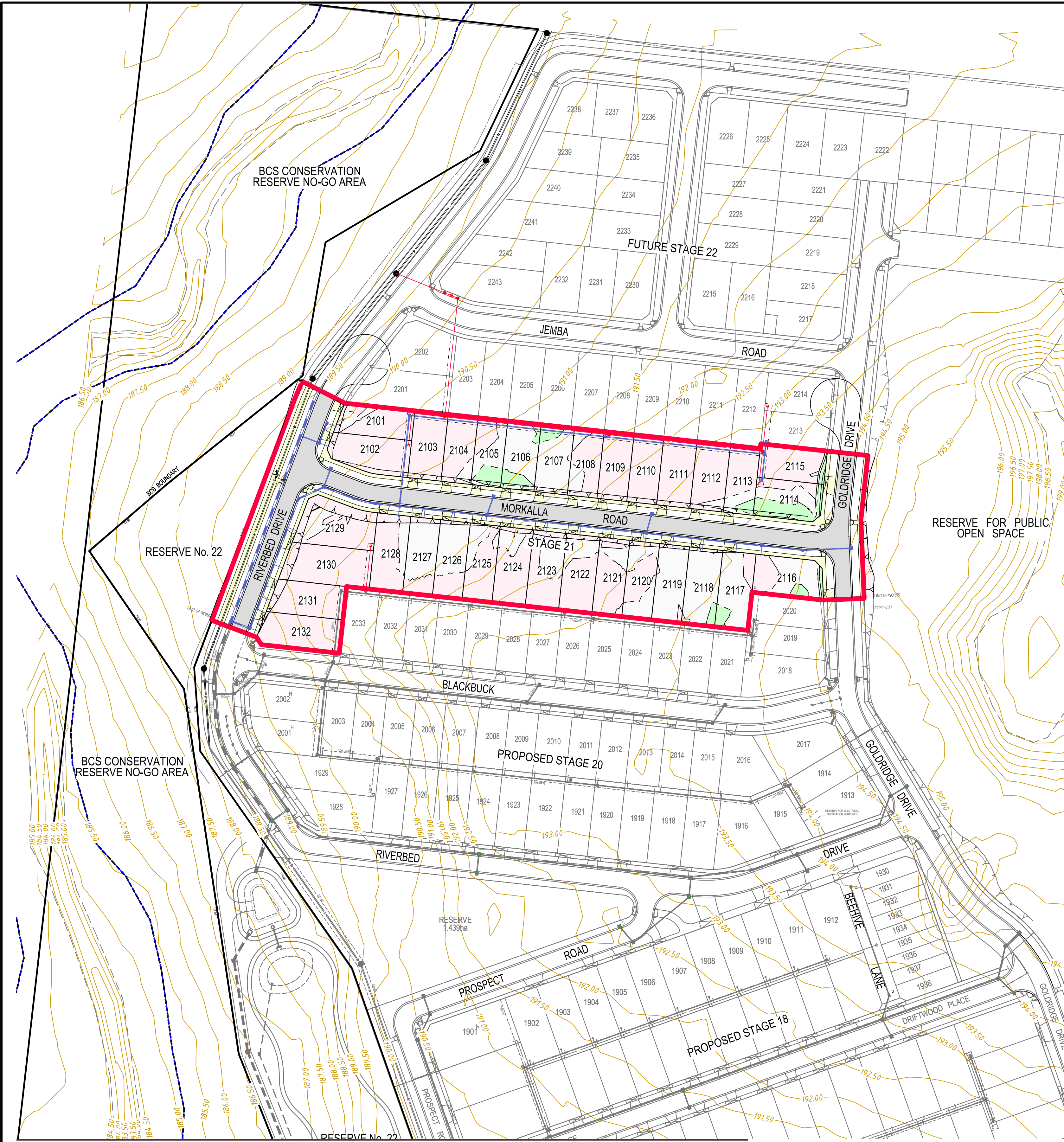




JOINS RIGHT

PLAN

SCALE A1 - 1 : 1000

LENGTHS ARE IN METRES



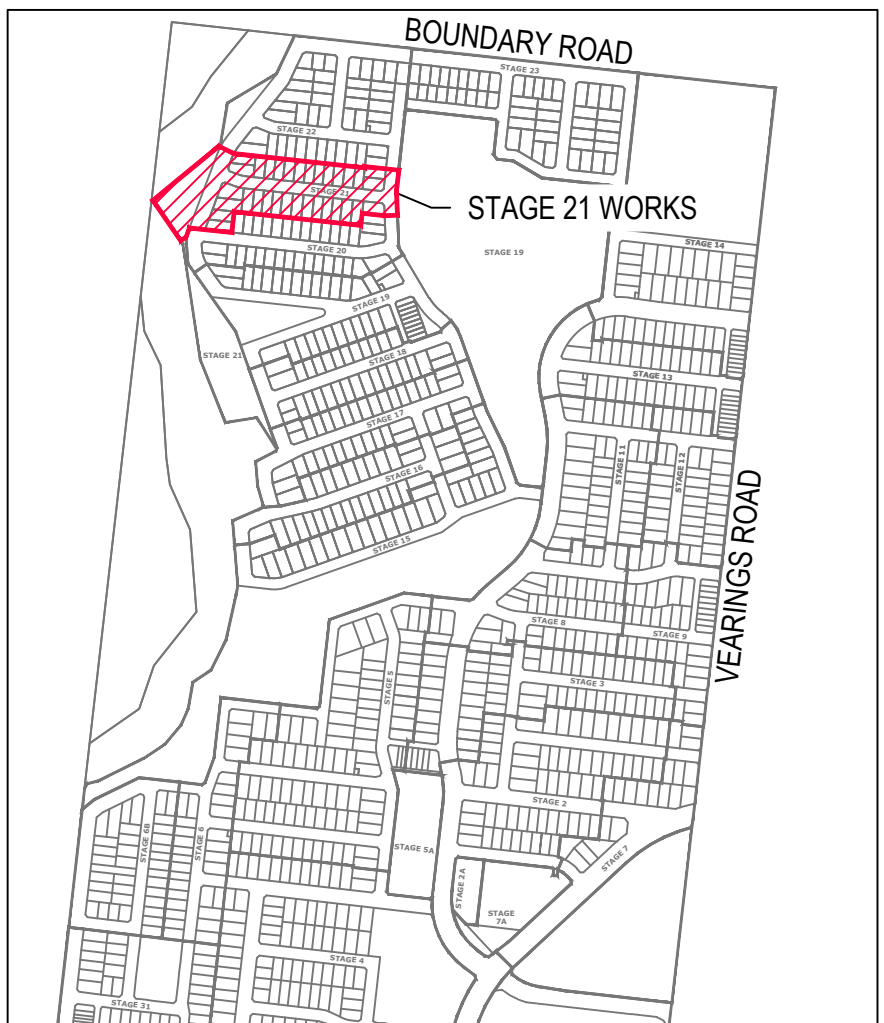
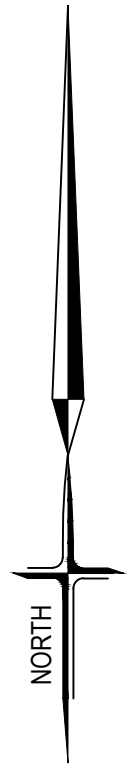
SCALE 1 : 1000 (A1)

SERVICES OFFSETS AND LOCATIONS

Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
RIVERBED DRIVE	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	20.00	G&W, FTTH&E	STREET LEVEL 1
GOLDRIDGE DRIVE	2.10 W	2.60 W	3.10 W	1.80 E	1.70 W	2.60 E	1.00 BOK	4.70 E 4.70 W	17.00	G&W, FTTH&E	STREET LEVEL 1
MORKALLA ROAD	2.10 N	3.10 N	2.60 N	1.80 S	1.70 N	2.60 S	1.00 BOK	4.20 N 4.20 S	16.00	G&W, FTTH&E	STREET LEVEL 1

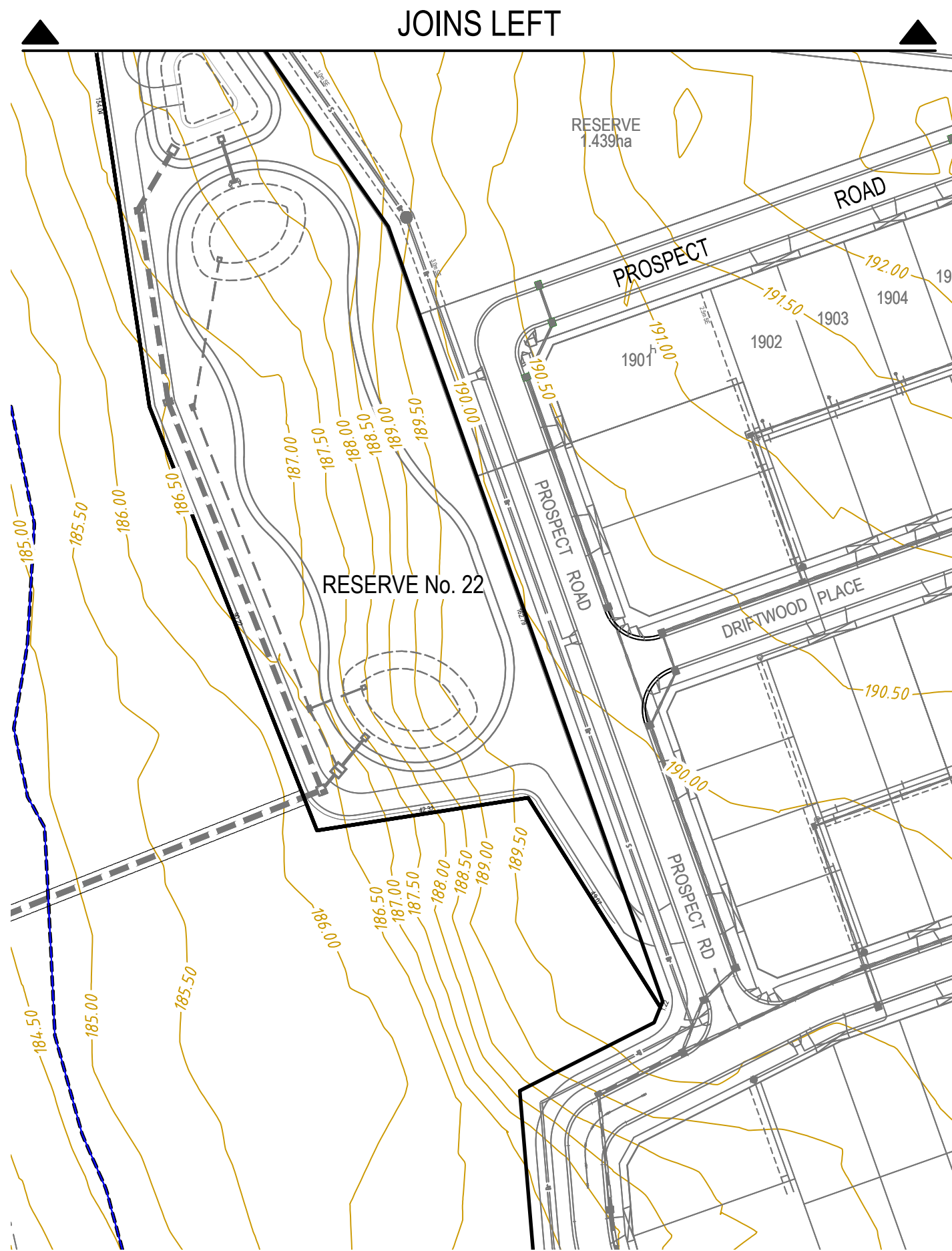
NOTE: a) At the court bowl where water and gas mains pass, the watermain offset is to be increased by 0.5 metres.
b) * Indicates offsets from back of kerb where services do not run parallel to title boundary.
c) * Indicates Communication pits placed within concrete footpath.

SHEET INDEX		
SHEET #	REVISION	DESCRIPTION
1	B	OVERALL PLAN
2	B	DETAIL PLAN
3	B	NOTES, PAVEMENT DETAILS & TYPICAL SECTIONS
4	B	INTERSECTION DETAILS
5	B	GOLDRIDGE DRIVE LONGITUDINAL SECTION
6	B	GOLDRIDGE DRIVE CROSS SECTIONS
7	B	MORKALLA ROAD LONGITUDINAL SECTION
8	B	MORKALLA ROAD CROSS SECTIONS
9	B	RIVERBED DRIVE LONGITUDINAL SECTION
10	B	RIVERBED DRIVE CROSS SECTIONS
11	B	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1
12	B	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2
13	B	DRAINAGE LONGITUDINAL SECTIONS - SHEET 3
14	B	DRAINAGE PIT SCHEDULE
15	B	SIGNAGE & LINEMARKING PLAN



LOCALITY PLAN

SCALE 1:10,000



AS CONSTRUCTED

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				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.	-	RATHDOWNE ESTATE STAGE 21 OVERALL PLAN			MUNICIPALITY					
			SURVEY	B.P.D.				WHITTLESEA					
B	13/05/26	ISSUE FOR CONSTRUCTION		DESIGN						B.P.D.			
A	26/08/25	ISSUE FOR CONSTRUCTION		DRAWN						M.T.			
							REFERENCE						
							9365 E/21						
VER	DATE	REMARKS	CHECKED	R.GOULD-WILLIAMS	SCALE	AS SHOWN	DATUM	AHD	DATE	Dec 23	SHEET	1 OF 15	B

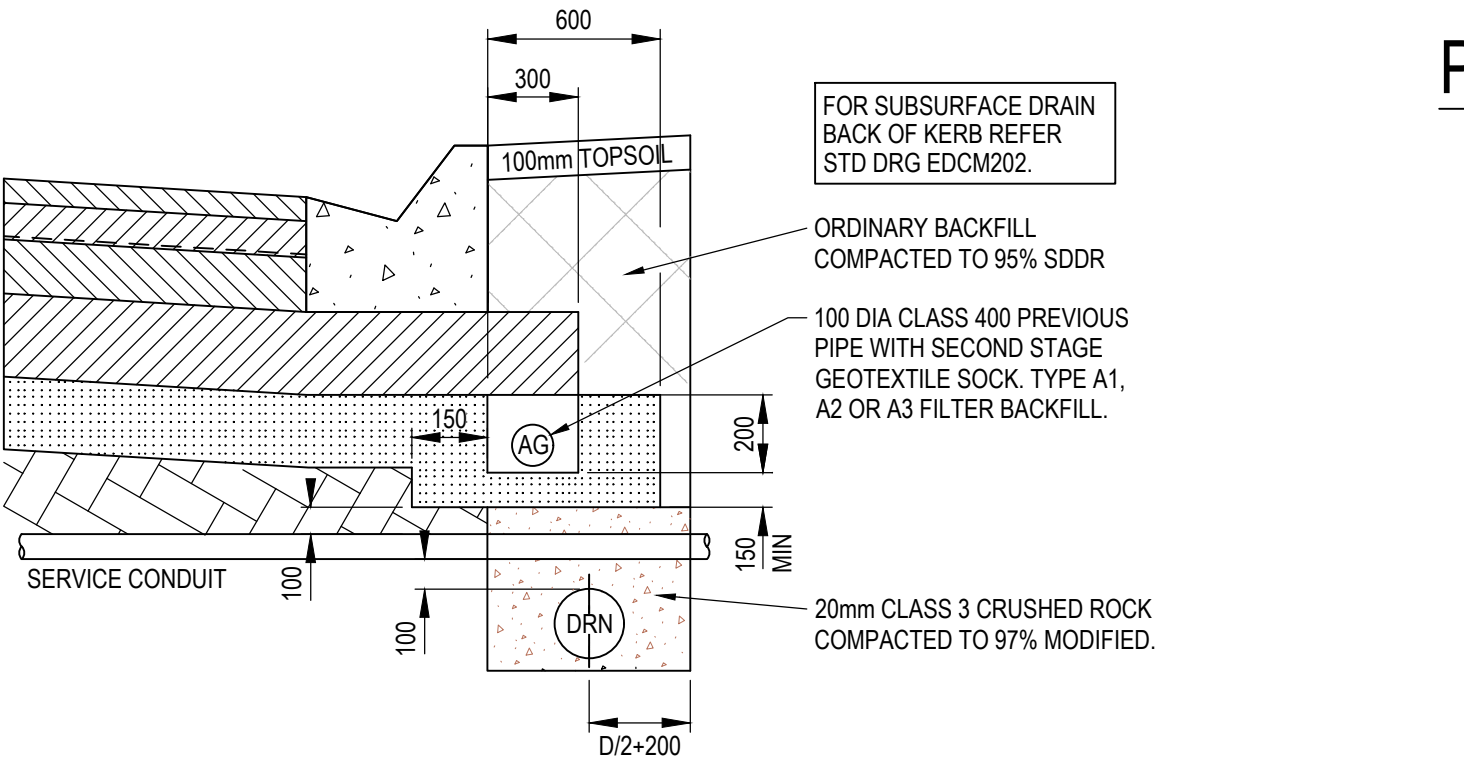
NOTES:

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 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.
5. JOINTING FOR CURVED PIPE ALIGNMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS (RRJ'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 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 BE 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, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND 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 & 100mm DIAMETER RESPECTIVELY.
21. TELSTRAINBN C₀ 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 SD025, 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.
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, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTALLMENT AT THE CONTRACTORS EXPENSE.

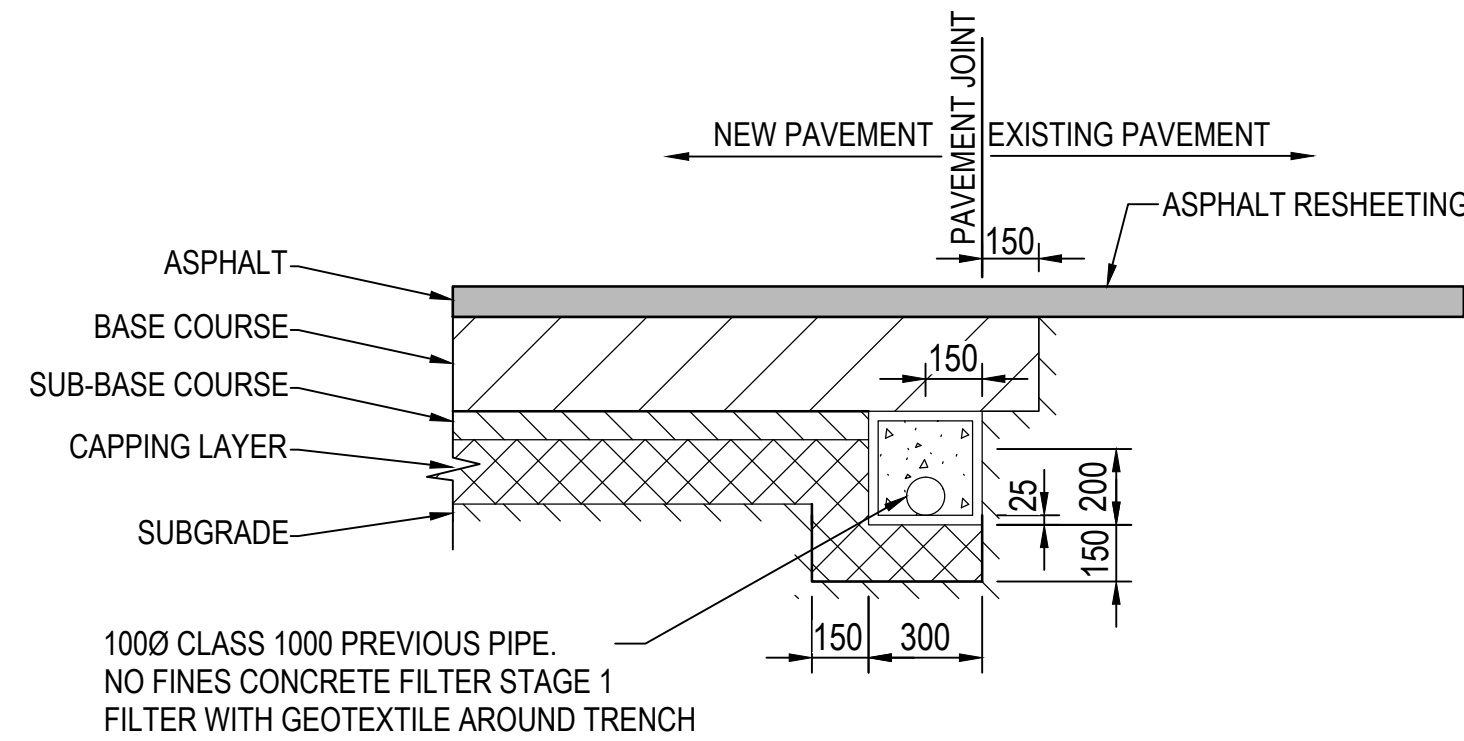
34. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No.275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL" AND MW SITE ENVIRONMENTAL 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 SDL 2.02)
 - 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 SDL 2.03)

NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY TREE UNTIL APPROVAL IS GIVEN BY THE ENGINEER.

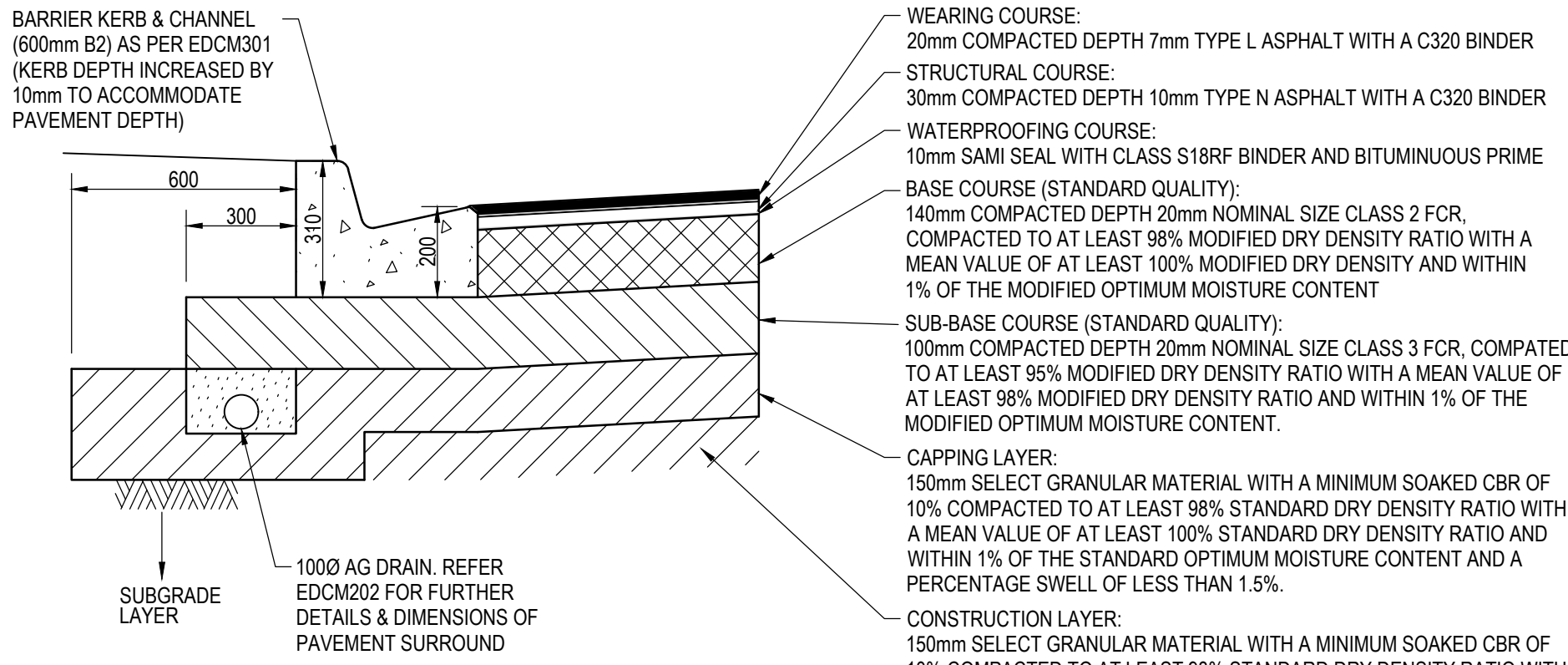
37. PROVIDE 1.8m HIGH PALING FENCE ALONG ANY COMMON BOUNDARY BETWEEN A LOT AND MUNICIPAL RESERVE. FENCING TO BE ERECTED BY THE DEVELOPER (OR OWNER) AT NO COST TO COUNCIL. PALINGS TO BE ON THE RESERVE SIDE AND CONSTRUCTED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SDL2.24 & SDL2.25.
38. VEHICULAR EXCLUSION 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 (TGSi) ARE TO BE INSTALLED WHERE SHOWN IN ACCORDANCE WITH COUNCIL STD DRG SD320 AND AS1428.
42. 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.
43. ALL STRUCTURAL WORKS MUST BE SUPERVISED BY A QUALIFIED STRUCTURAL ENGINEER.



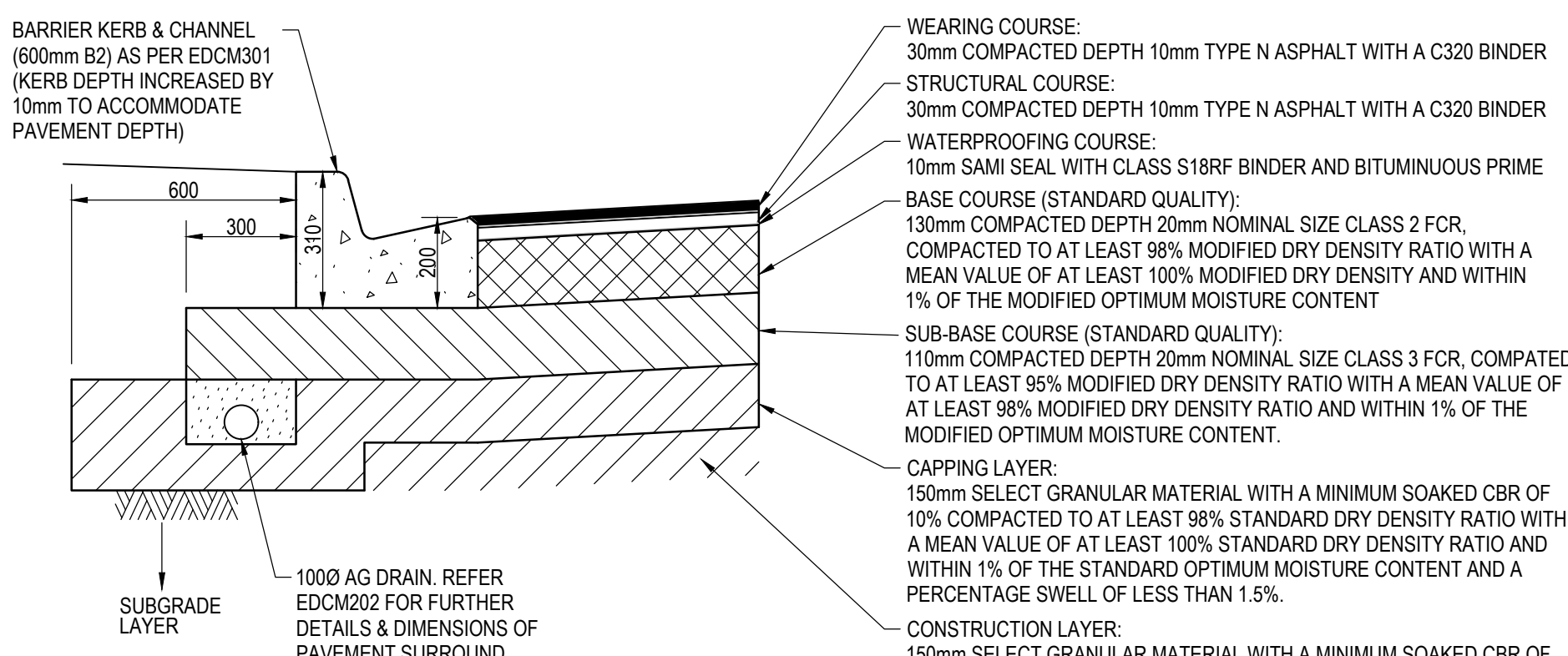
SUBSURFACE DRAIN
NTS



INTERFACE OF EXISTING AND PROPOSED PAVEMENT
(DIMENSIONS IN MILLIMETERS)

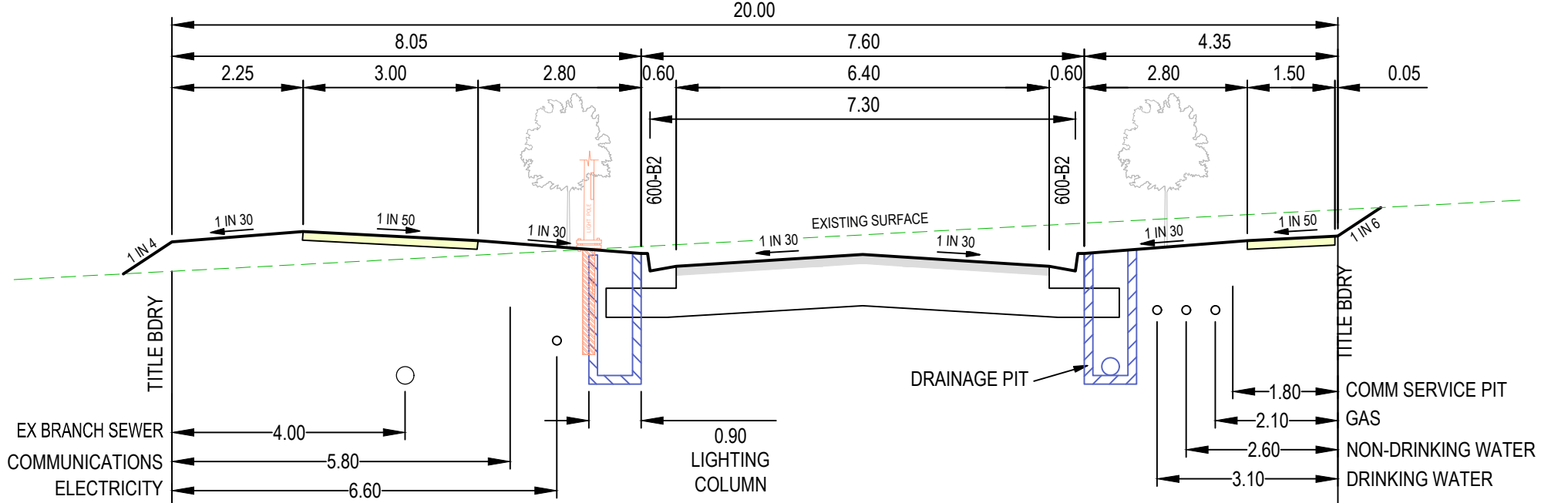


AREA 2 - 600mm DEPTH
(RIVERBED DR, MORKALLA RD)



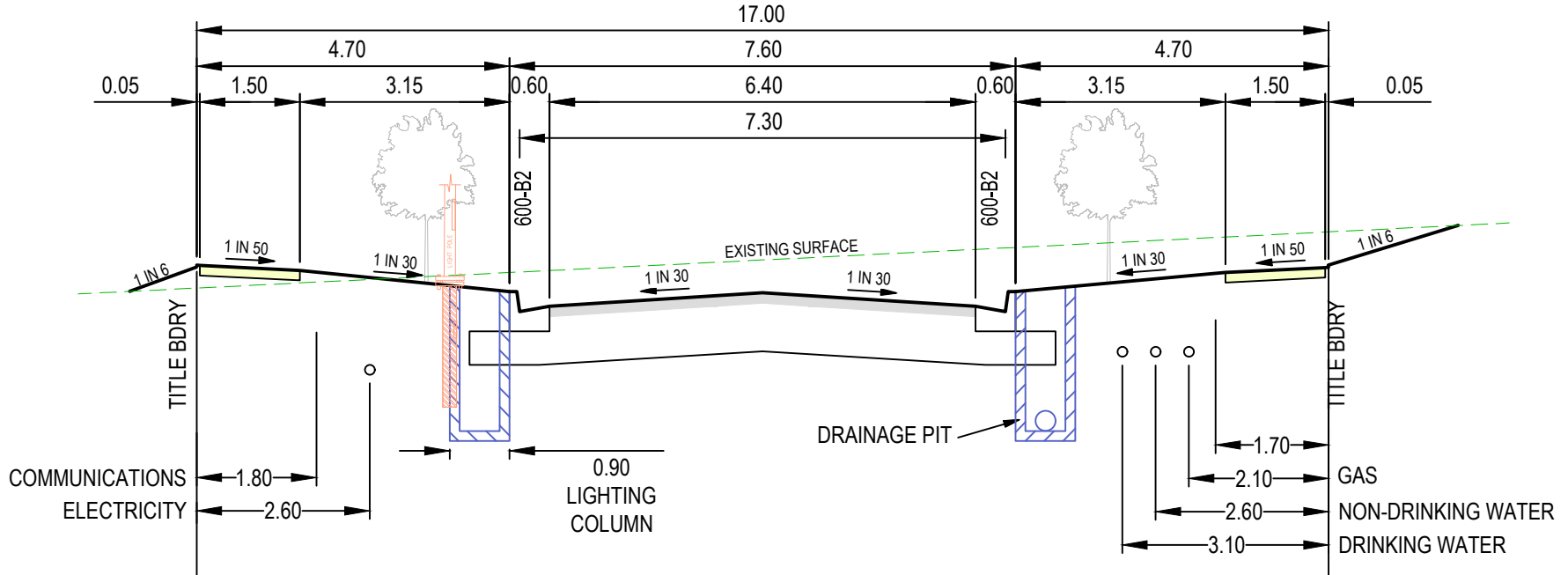
AREA 3 - 610mm DEPTH
(GOLDRIDGE DR)

PAVEMENT COMPOSITION
SCALE A1 - N.T.S
REFER TO MRSC SD 027 FOR FURTHER AG, SERVICE CONDUIT AND TRENCH BACKFILL DETAILS



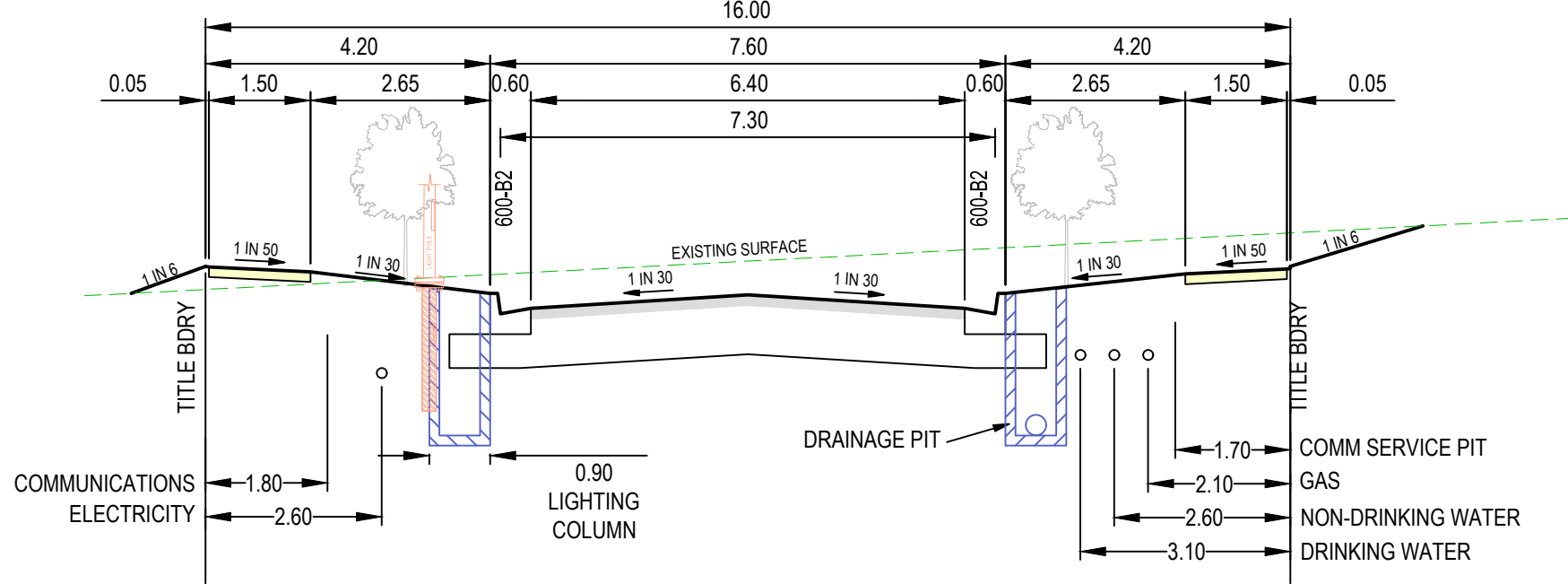
RIVERBED DRIVE

20.0m ROAD RESERVE
ACCESS STREET TYPE 1



GOLDRIDGE DRIVE

17.0m ROAD RESERVE
ACCESS STREET TYPE 1



MORKALLA ROAD

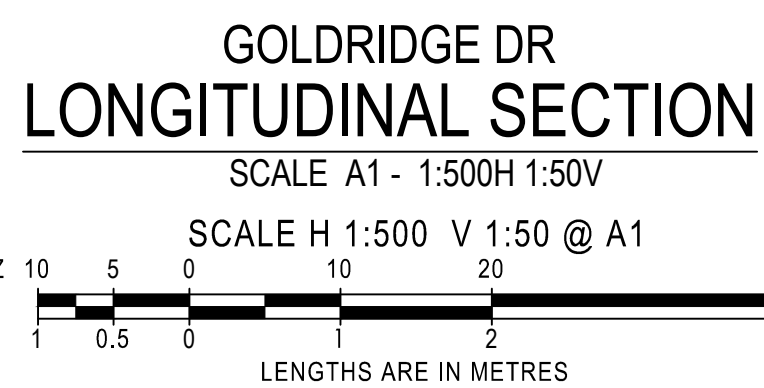
16.0m ROAD RESERVE
ACCESS STREET TYPE 1

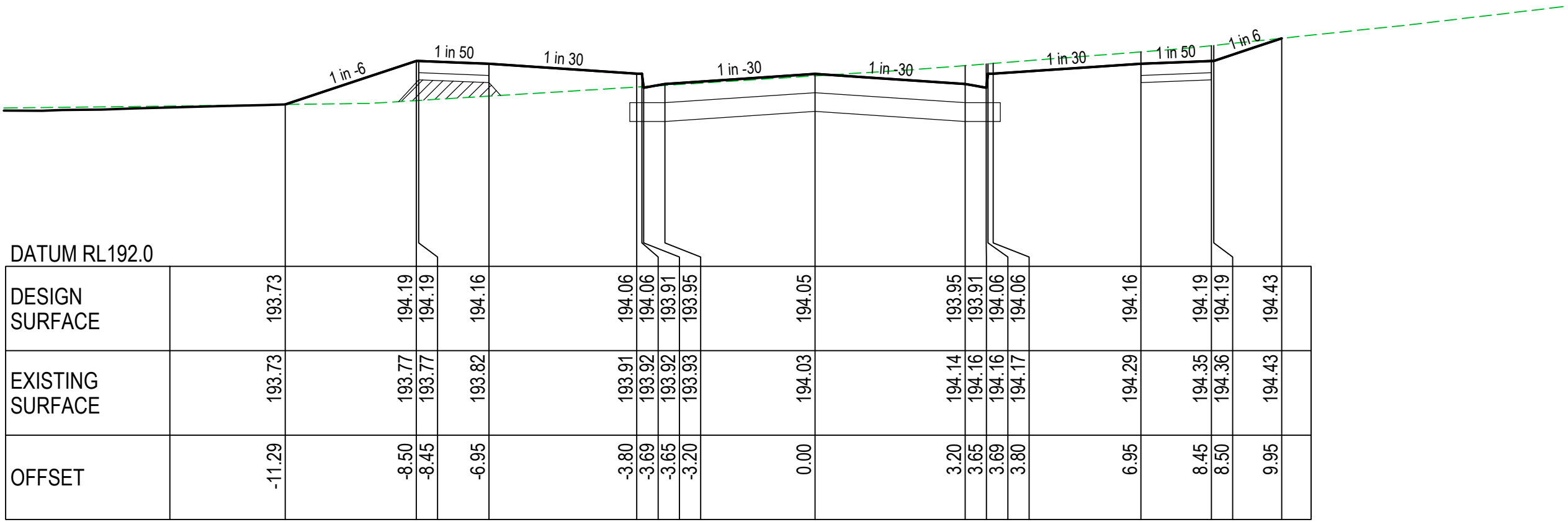
TYPICAL ROAD CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50
LENGTHS ARE IN METRES
SCALE 1 : 100 (A1)

AS CONSTRUCTED

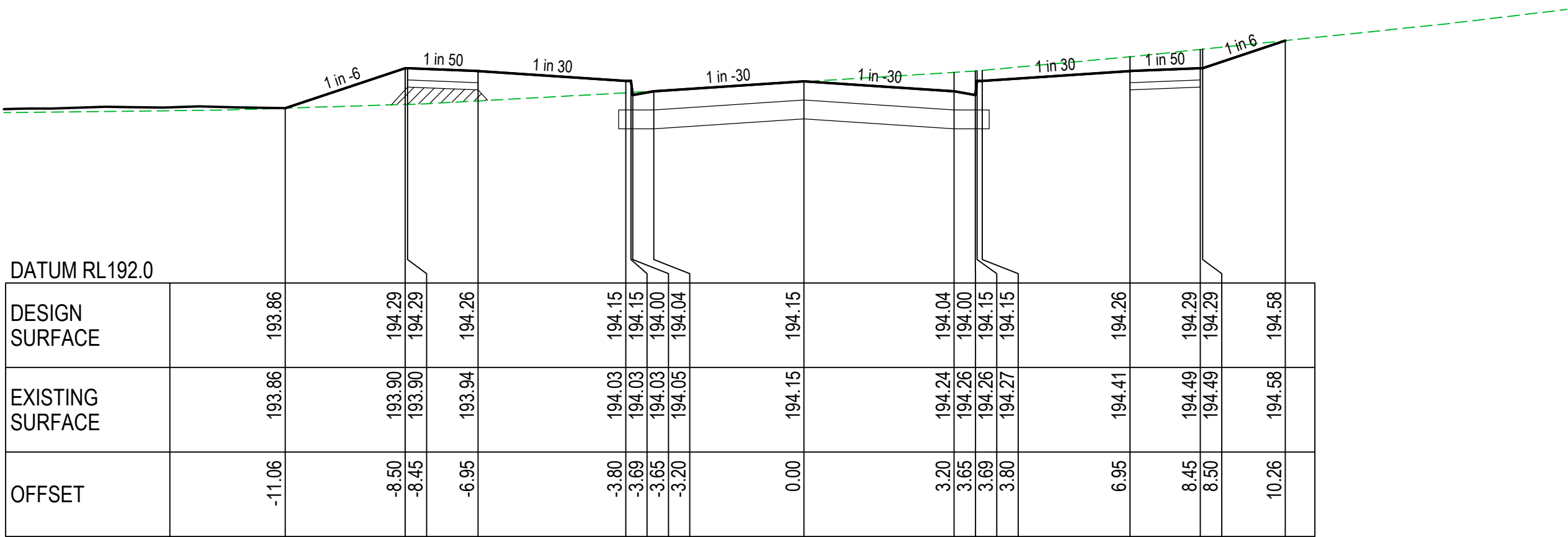
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
B	13/05/26	ISSUE FOR CONSTRUCTION		MELWAY REF. -	RATHDOWNE ESTATE STAGE 21	MUNICIPALITY WHITTLESEA
				SURVEY B.P.D.		
				DESIGN B.P.D.		
A	26/08/25	ISSUE FOR CONSTRUCTION		DRAWN M.T.	NOTES, PAVEMENT DETAILS & TYPICAL SECTIONS	REFERENCE 9365 E/21
VER	DATE	REMARKS		CHECKED R.GOULD-WILLIAMS		
				SCALE AS SHOWN	DATUM AHD	DATE Dec 23
				SHEET 3 OF 15		B





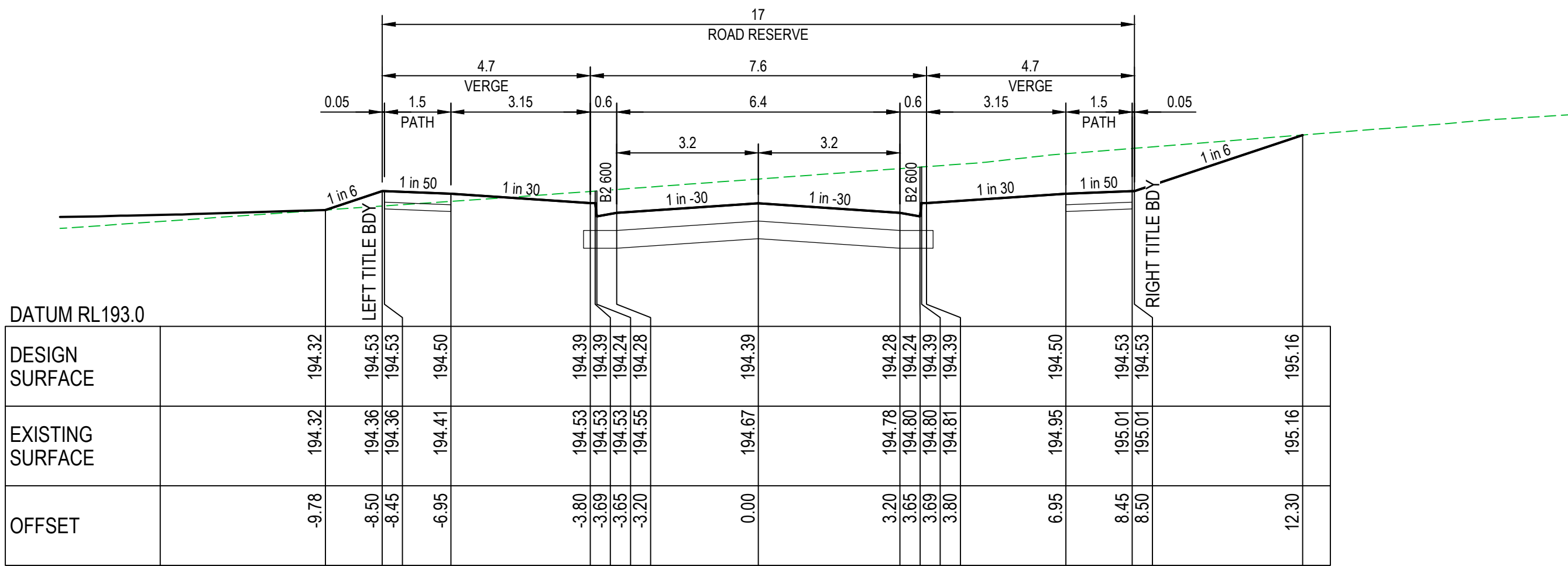
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EXISTING SURFACE		193.73	194.19
OFFSET		-11.29	-8.50

CH 492.60



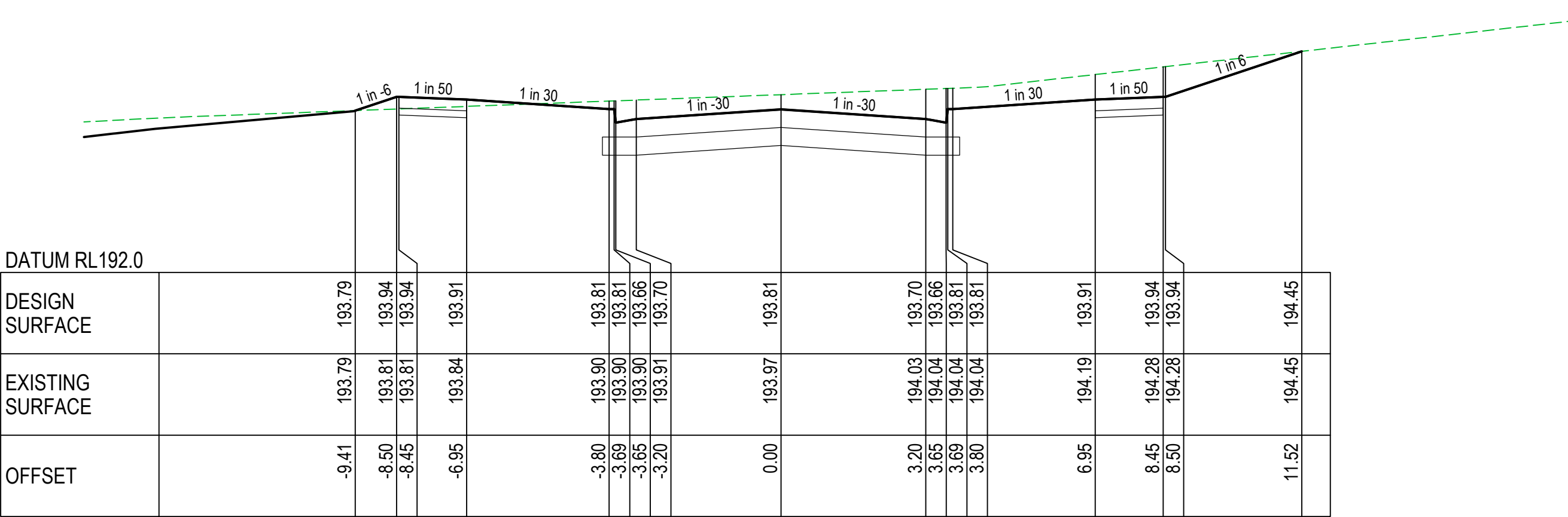
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EXISTING SURFACE		193.86	194.29
OFFSET		-11.06	-8.50

CH 481.16



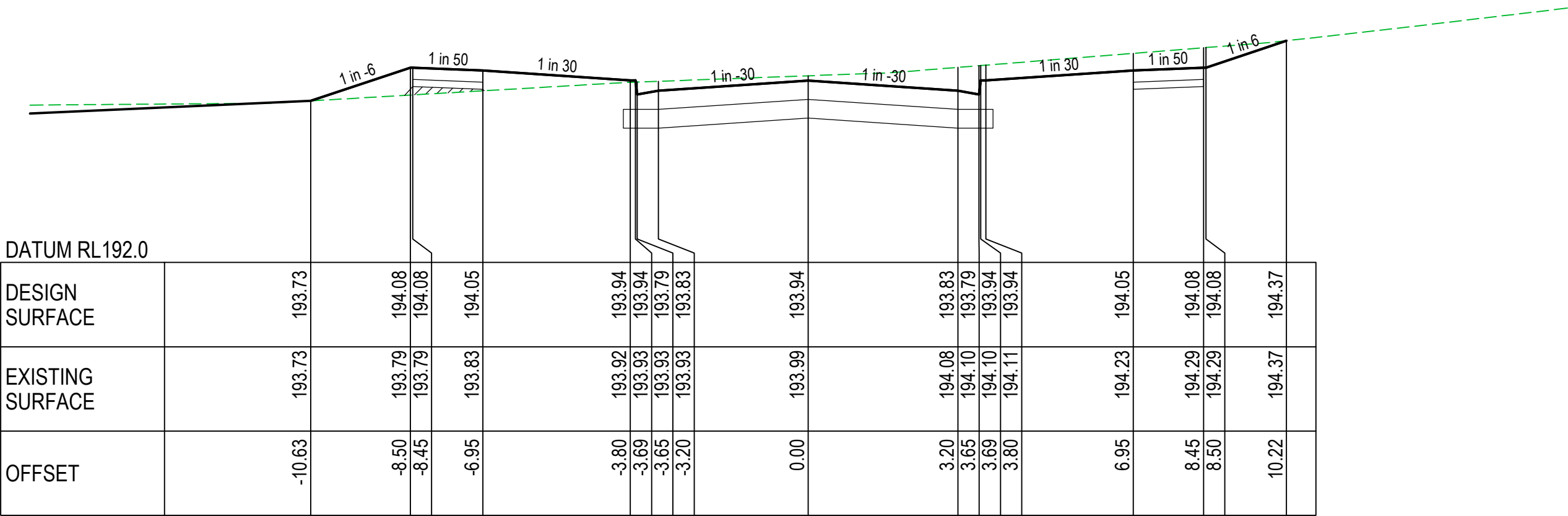
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DESIGN SURFACE		194.32	194.53
EXISTING SURFACE		194.32	194.53
OFFSET		-9.78	-8.50

CH 445.52



DATUM RL192.0			
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EXISTING SURFACE		193.79	193.94
OFFSET		-9.41	-8.50

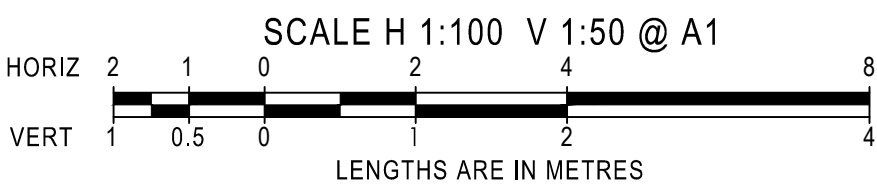
CH 506.60



DATUM RL192.0			
DESIGN SURFACE		193.73	194.08
EXISTING SURFACE		193.73	194.08
OFFSET		-10.63	-8.50

CH 500.00

GOLDRIDGE DRIVE
CROSS SECTIONS
SCALE A1 - 1:100H 1:50V

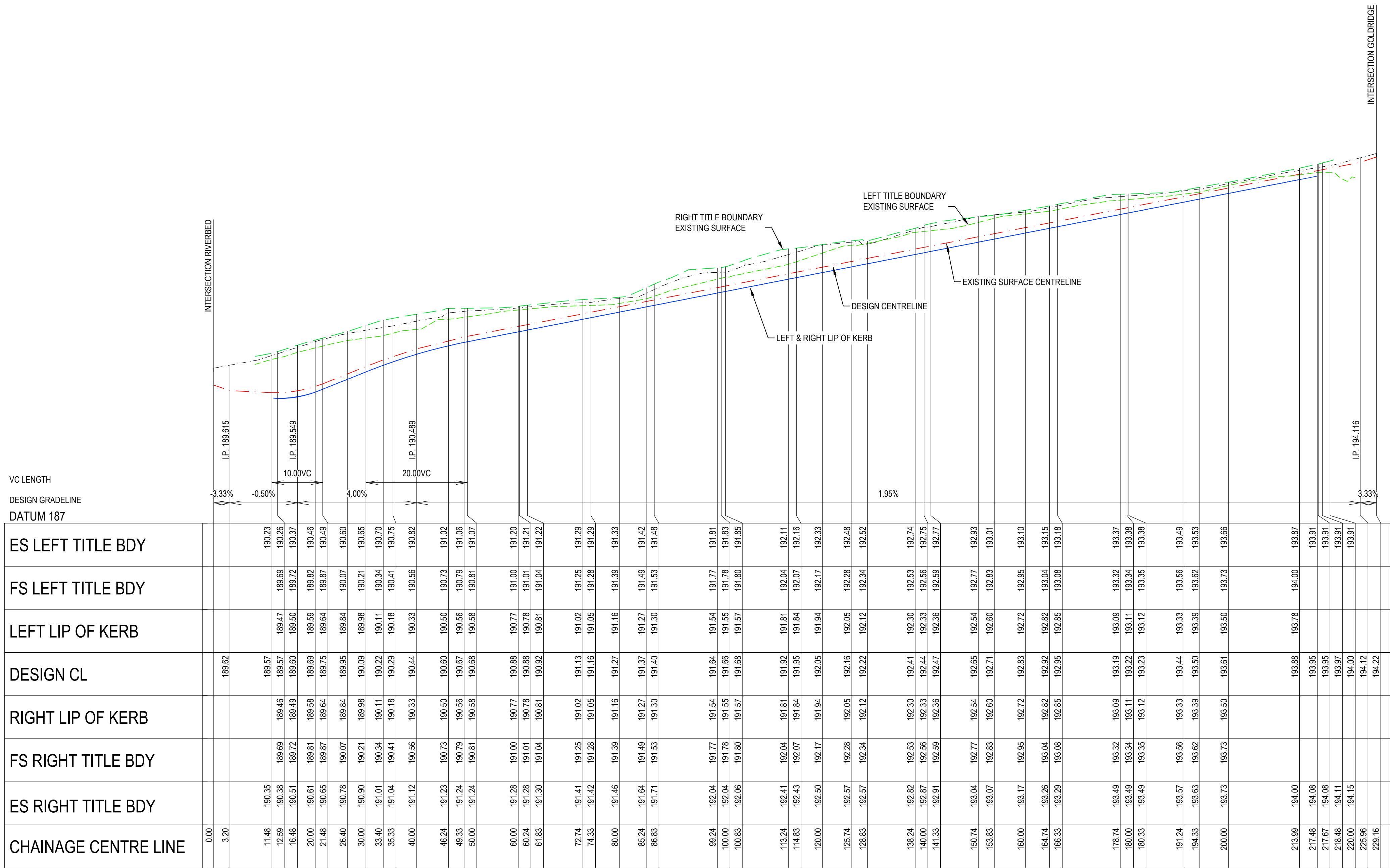


LEGEND:

- EXISTING SURFACE LEVEL
- DESIGN CENTRELINE
- TYPE A SELECTED MATERIAL FILL. LEVEL 1 SUPERVISION REQUIRED, IN ACCORDANCE WITH COUNCIL FILLING SPECIFICATION (CLAUSE 20.6)

AS CONSTRUCTED

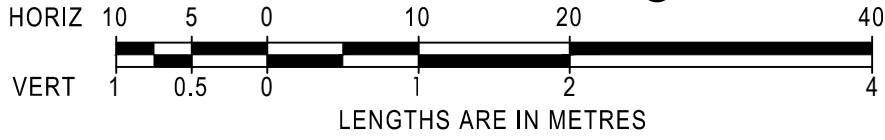
breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
RATHDOWNE ESTATE STAGE 21				MUNICIPALITY WHITTLESEA			
GOLDRIDGE DRIVE CROSS SECTIONS				REFERENCE 9365 E/21			
SCALE AS SHOWN DATUM AHD				DATE Dec 23			
SHEET 6 OF 15				B			



MORKALLA RD
LONGITUDINAL SECTION

SCALE A1 - 1:500H 1:50V

SCALE H 1:500 V 1:50 @ A1

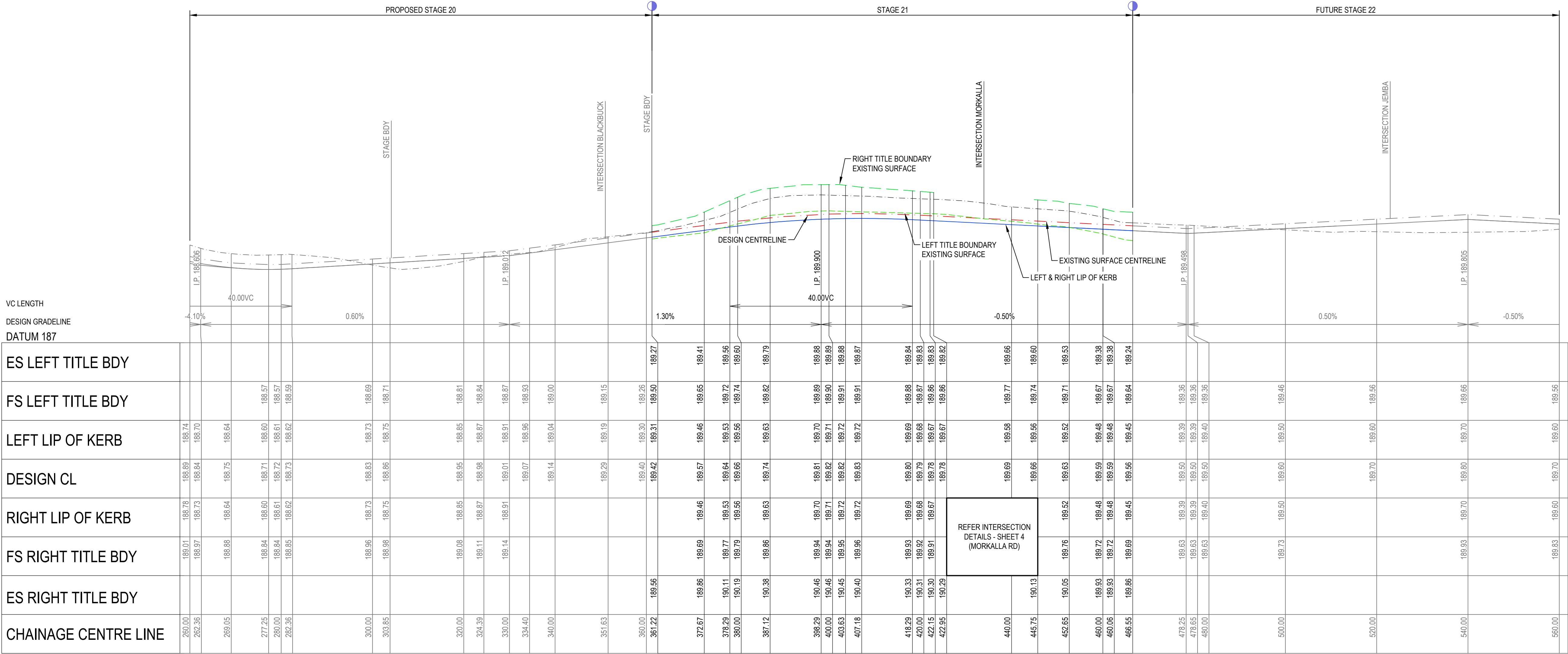


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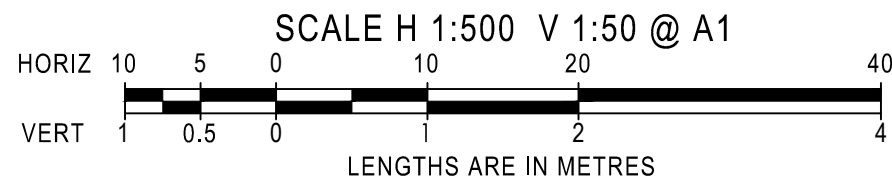
- ES LEFT TITLE BOUNDARY
- DESIGN CENTRELINE
- LIP OF KERB
- ES RIGHT TITLE BOUNDARY
- ES CENTRELINE

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.	RATHDOWNE ESTATE STAGE 21 BLACKBUCK RD LONGITUDINAL SECTION				MUNICIPALITY	
			SURVEY B.P.D.					WHITTLESEA	
	B	13/05/26	ISSUE FOR CONSTRUCTION						
	A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN M.T.	REFERENCE				
				9365 E/21					
VER	DATE	REMARKS	CHECKED R.G.W.	SCALE AS SHOWN	DATUM AHD	DATE Dec 23	SHEET 7 OF 15	B	



RIVERBED DR
LONGITUDINAL SECTION
SCALE A1 - 1:500H 1:50V

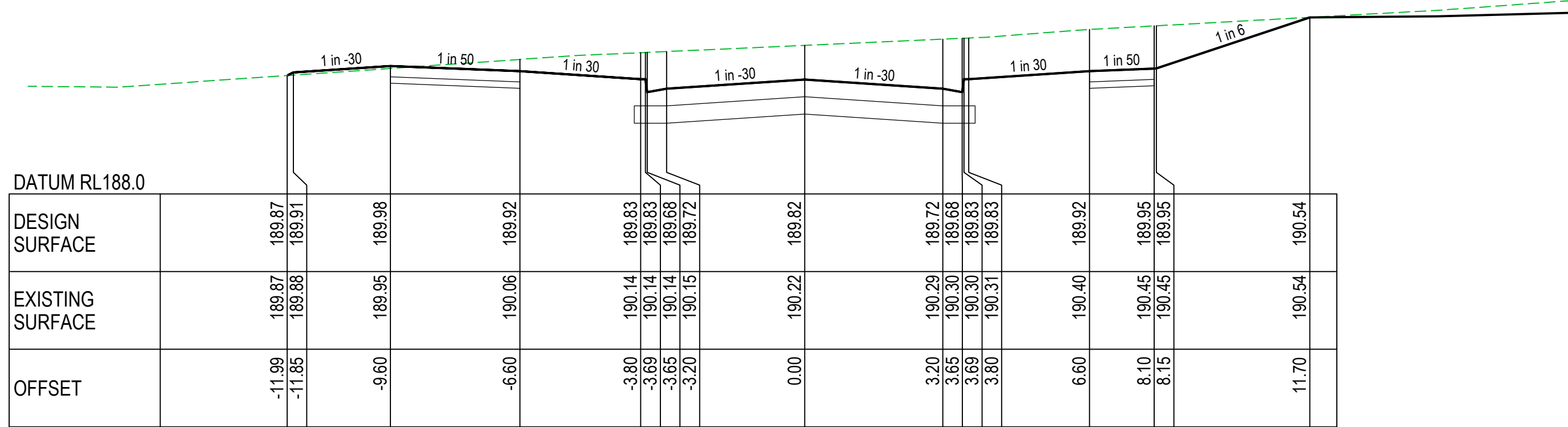


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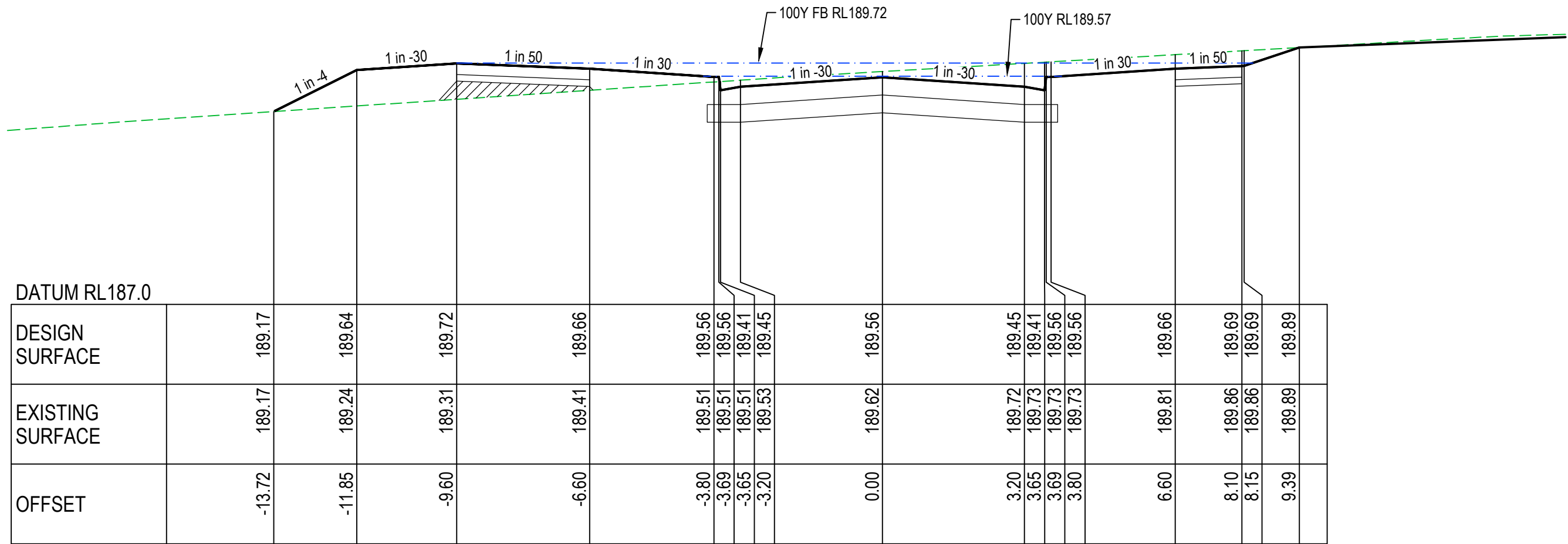
- ES LEFT TITLE BOUNDARY
- DESIGN CENTRELINE
- LIP OF KERB
- ES RIGHT TITLE BOUNDARY
- ES CENTRELINE

AS CONSTRUCTED

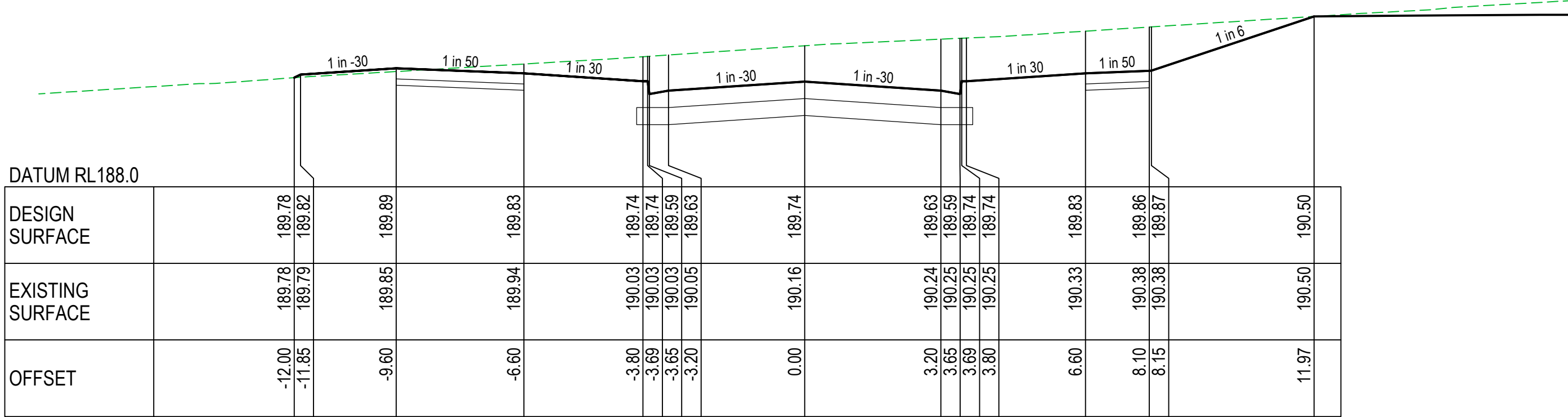
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	B	13/05/26	ISSUE FOR CONSTRUCTION	MELWAY REF.	RATHDOWNE ESTATE STAGE 21 RIVERBED DR LONGITUDINAL SECTION				MUNICIPALITY				
		SURVEY	WHITTLESEA										
		DESIGN	REFERENCE										
A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN					9365 E/21					
VER	DATE	REMARKS	CHECKED	R.G.W.	SCALE	AS SHOWN	DATUM	AHD	DATE	Dec 23	SHEET	9 OF 15	B



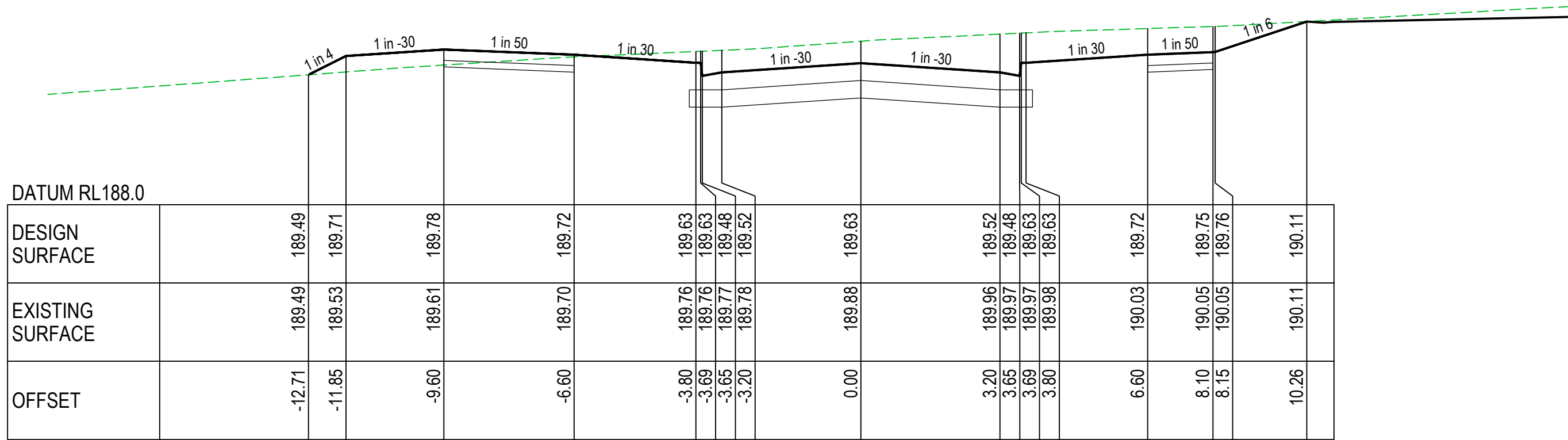
CH 403.63



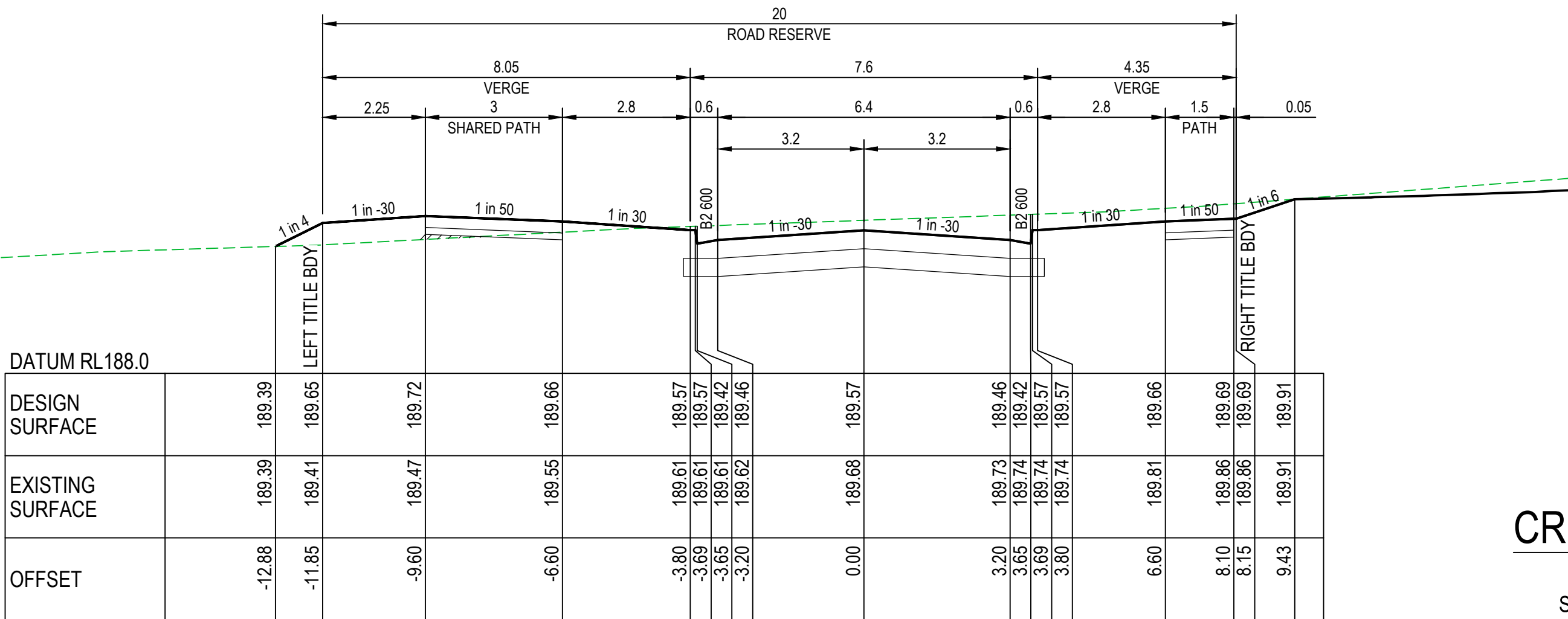
CH 466.55



CH 387.12



CH 452.65

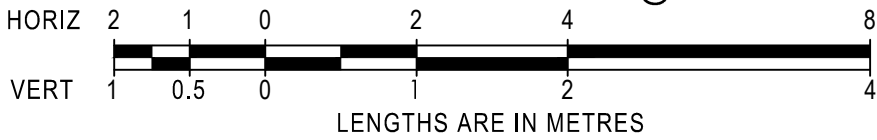


CH 372.67

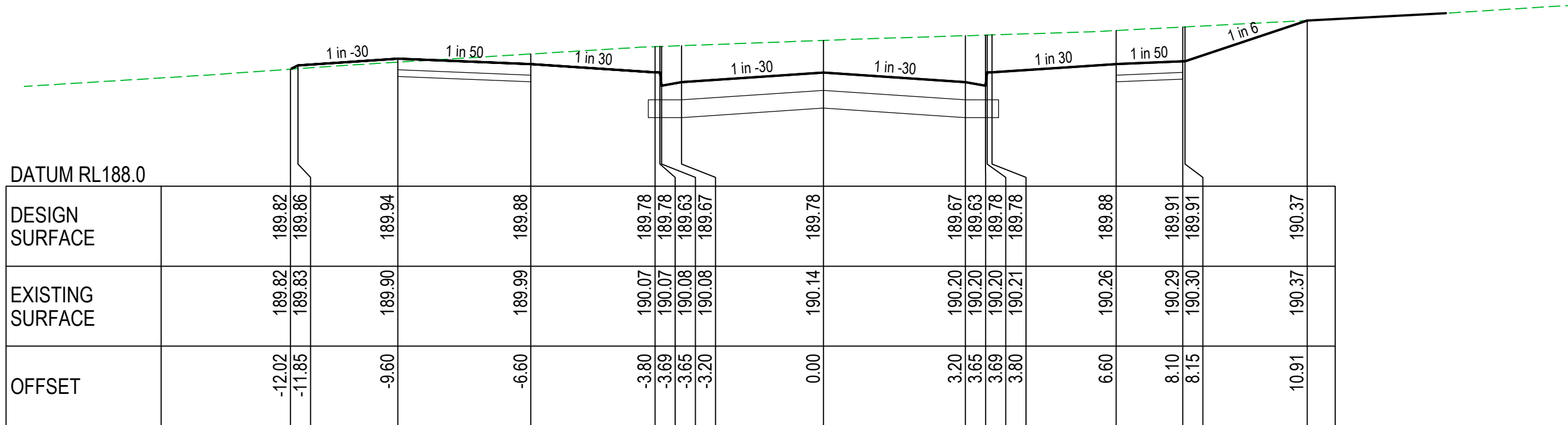
RIVERBED DRIVE
CROSS SECTIONS

SCALE A1 - 1:100H 1:50V

SCALE H 1:100 V 1:50 @ A1



LENGTHS ARE IN METRES



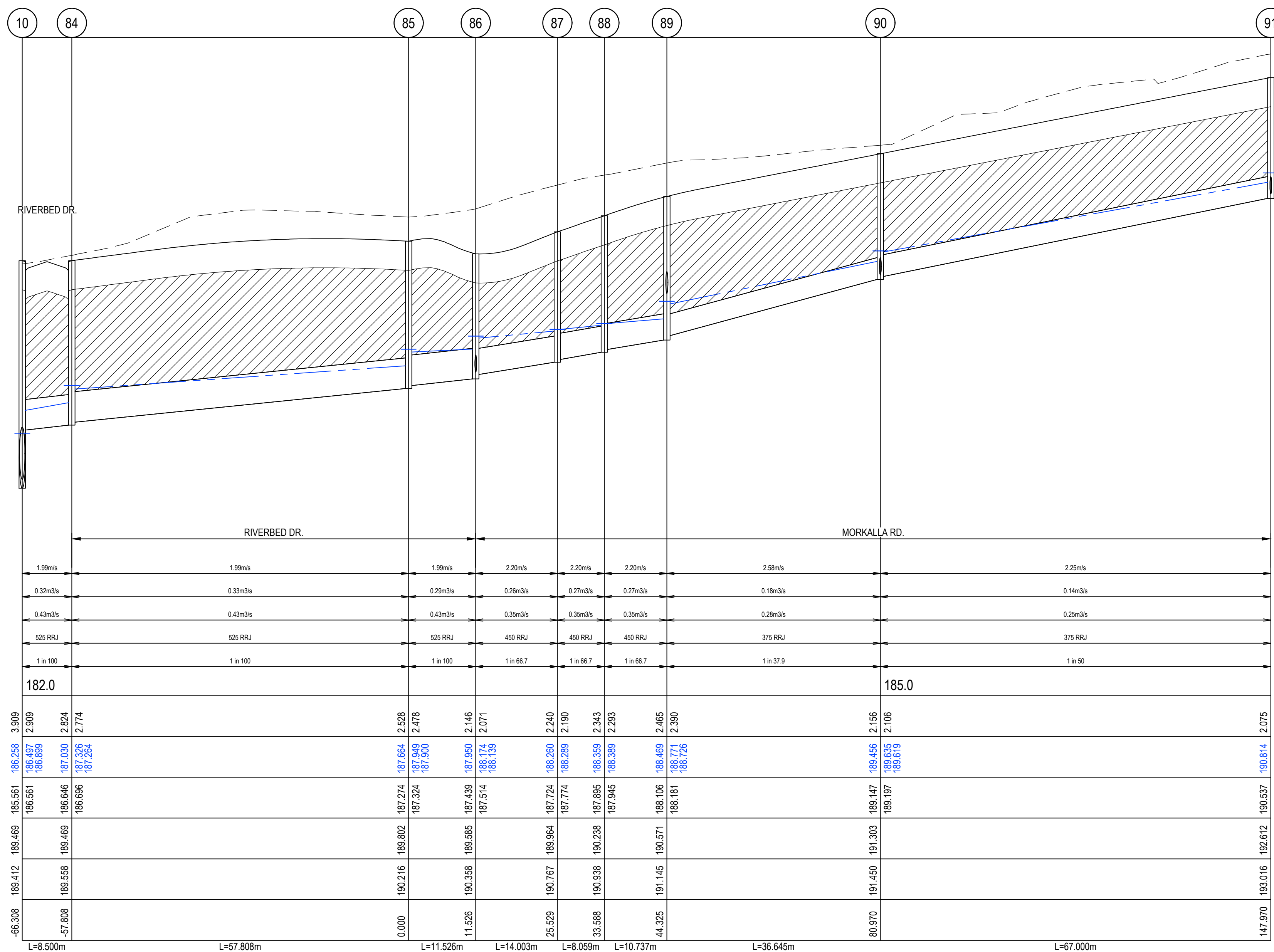
CH 422.15

LEGEND:

- EXISTING SURFACE LEVEL
- DESIGN CENTRELINE
- TYPE A SELECTED MATERIAL FILL. LEVEL 1 SUPERVISION REQUIRED, IN ACCORDANCE WITH COUNCIL FILLING SPECIFICATION (CLAUSE 20.6)

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.					RATHDOWNE ESTATE STAGE 21 RIVERBED DR CROSS SECTIONS					MUNICIPALITY	
				SURVEY B.P.D.										WHITTLESEA	
	B	13/05/26	ISSUE FOR CONSTRUCTION	DESIGN B.P.D.					REFERENCE						
A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN M.T.					9365 E/21							
VER	DATE	REMARKS	CHECKED	R.G.W.	SCALE	AS SHOWN	DATUM	AHD	DATE	Dec 23	SHEET	10 OF 15	B		



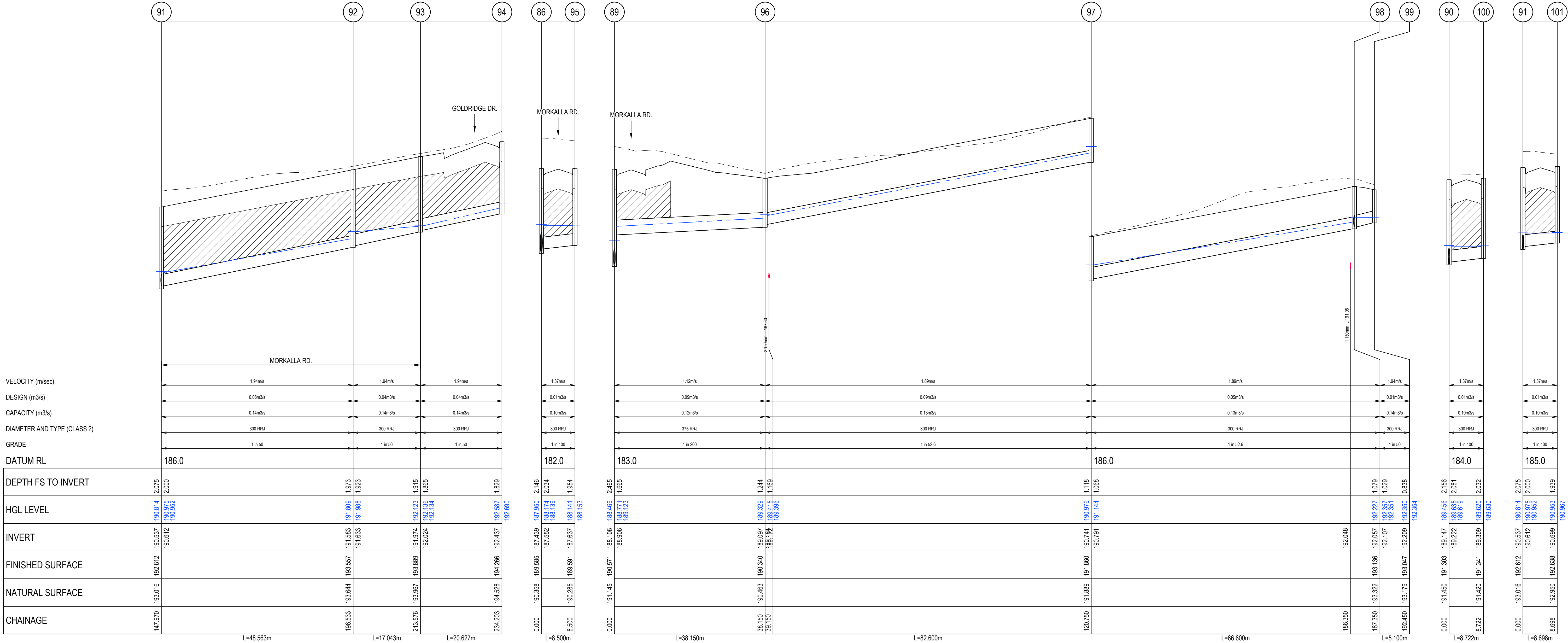
SCALES: 1:1.000 V 1.00 @ 10°

HORIZ 10 5 0 10 20 40

VERT 1 0.5 0 1 2 4

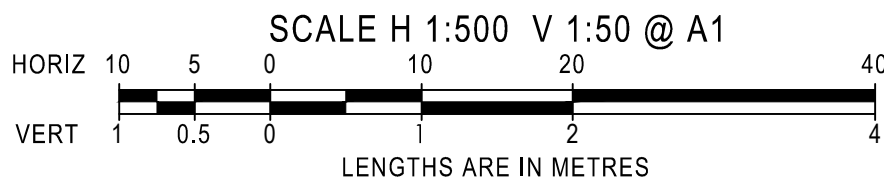
LENGTHS ARE IN METRES

otted: May 13, 2026 - 12:34pm



DRAINAGE LONGITUDINAL SECTIONS

SCALE A1 - 1:500H 1:50V

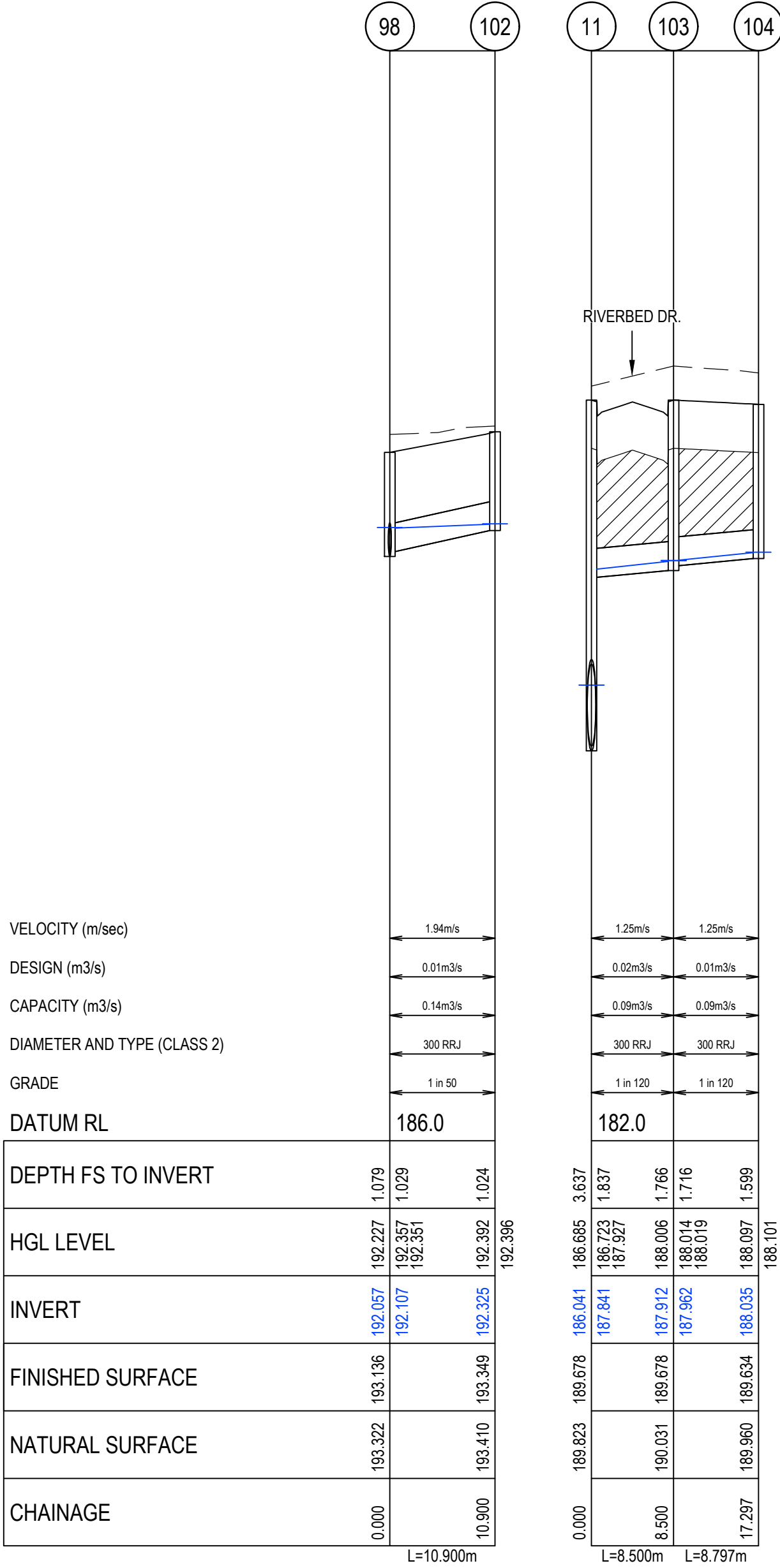


LEGEND:

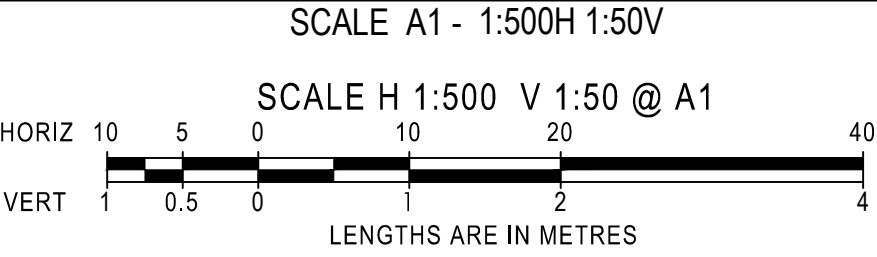
- INDICATES CRUSHED ROCK BACKFILL
- INDICATES 5 YEAR HGL
- INDICATES 10 YEAR HGL

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. 678-H8	RATHDOWNE ESTATE STAGE 21 DRAINAGE LONGITUDINAL SECTIONS - No.2				MUNICIPALITY		MACEDON RANGES
				SURVEY B.P.D.					REFERENCE		
	B	13/05/26		ISSUE FOR CONSTRUCTION					DESIGN B.P.D.	9987 ^E /21	
A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN M.T.								
VER	DATE	REMARKS	CHECKED J.TALBOT	SCALE AS SHOWN	DATUM AHD	DATE Dec 23	SHEET 12 OF 15	B			



DRAINAGE LONGITUDINAL SECTIONS



- LEGEND:
- INDICATES CRUSHED ROCK BACKFILL
 - INDICATES 5 YEAR HGL
 - INDICATES 10 YEAR HGL

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. 678-H8	RATHDOWNE ESTATE STAGE 21 DRAINAGE LONGITUDINAL SECTIONS - No.3				MUNICIPALITY MACEDON RANGES				
				SURVEY B.P.D.					REFERENCE 9987 ^E /21				
				DESIGN B.P.D.									
B	13/05/26	ISSUE FOR CONSTRUCTION	DESIGN	B.P.D.									
A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN	M.T.									
VER	DATE	REMARKS	CHECKED	J.TALBOT	SCALE	AS SHOWN	DATUM	AHD	DATE	Dec 23	SHEET	13 OF 15	B

PIT SCHEDULE										
PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP	DEPTH	REMARKS
				INVERT	DIA	INVERT	DIA	PIT RL	INVERT	
10	SIDE ENTRY PIT	900	1500	185.711	900	185.561	1050	189.469	3.909	CONSTRUCT PIT OVER EXISTING STUB. EDCM 601 (HAUNCHED)
				186.561	525					
11	JUNCTION PIT	900	1200	186.091	900	186.041	900	189.678	3.637	EDCM STD DWG 605 (HAUNCHED)
				187.841	300					
12	TP			186.146	900					
13	END OF PIPE	900	1200			186.146	900	189.61	3.464	EDCM STD DWG 605 (HAUNCHED)
84	JUNCTION PIT	900	900	186.696	525	186.179	900	189.572	3.393	CAP PIPE FOR FUTURE CONNECTION
85	JUNCTION PIT	900	900	187.324	525	187.274	525	189.469	2.824	EDCM STD DWG 605
86	SIDE ENTRY PIT	900	900	187.514	450	187.439	525	189.802	2.528	EDCM STD DWG 605
				187.552	300					
87	JUNCTION PIT	900	600	187.774	450	187.724	450	189.964	2.24	EDCM STD DWG 605
88	JUNCTION PIT	900	600	187.945	450	187.895	450	190.238	2.343	EDCM STD DWG 605
89	JUNCTION PIT	900	600	188.181	375	188.106	450	190.571	2.465	EDCM STD DWG 605
				188.906	375					
90	SIDE ENTRY PIT	900	600	189.197	375	189.147	375	191.303	2.156	EDCM STD DWG 601
				189.222	300			191.303	2.156	
91	SIDE ENTRY PIT	900	600	190.612	300	190.537	375	192.612	2.075	EDCM STD DWG 601
				190.612	300					
92	SIDE ENTRY PIT	900	600	191.633	300	191.583	300	193.557	1.973	EDCM STD DWG 601
93	JUNCTION PIT	900	600	192.024	300	191.974	300	193.889	1.915	EDCM STD DWG 605
94	SIDE ENTRY PIT					192.437	300	194.266	1.829	EDCM STD DWG 601
95	SIDE ENTRY PIT					187.637	300	189.591	1.954	EDCM STD DWG 601
96	JUNCTION PIT	900	600	189.172	300	189.097	375	190.34	1.244	EDCM STD DWG 605
97	JUNCTION PIT	900	600	190.791	300	190.741	300	191.86	1.118	EDCM STD DWG 605
98	JUNCTION PIT	900	600	192.107	300	192.057	300	193.136	1.079	EDCM STD DWG 605
				192.107	300					
99	JUNCTION PIT	900	600			192.209	300	193.047	0.838	EDCM STD DWG 605
100	SIDE ENTRY PIT	900	600			189.309	300	191.341	2.032	EDCM STD DWG 601
101	SIDE ENTRY PIT	900	600			190.699	300	192.638	1.939	EDCM STD DWG 601
102	JUNCTION PIT	900	600			192.325	300	193.349	1.024	EDCM STD DWG 605
103	JUNCTION PIT	900	600	187.962	300	187.912	300	189.678	1.766	EDCM STD DWG 605
104	JUNCTION PIT	900	600			188.035	300	189.634	1.599	EDCM STD DWG 605

STORMWATER PIT NOTES:

1.
- ALL PITS TO BE RENDERED & MORTARED WITH FLAT BASE (NO CHASE). PIT BASES ARE TO BE FLUSH WITH PIPE INVERTS
2.
- ALL PIPES TO BE CUT FLUSH WITH PIT WALL
3.
- ALL PIT COVERS TO BE FIBRE GLASS TYPE ONLY
4.
- ALL GRATED PIT COVERS TO BE PEDESTRIAN & CYCLIST SAFE

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.	-	RATHDOWNE ESTATE STAGE 21 DRAINAGE PIT SCHEDULE			MUNICIPALITY			
					SURVEY	B.P.D.				WHITTLESEA			
	B	13/05/26		ISSUE FOR CONSTRUCTION	DESIGN	B.P.D.				REFERENCE			
A	26/08/25	ISSUE FOR CONSTRUCTION	DRAWN	M.T.	9365 ^E / ₂₁								
VER	DATE	REMARKS	CHECKED	R.GOULD-WILLIAMS	SCALE	AS SHOWN	DATUM	AHD	DATE	Dec 23	SHEET	14 OF 15	B



LEGEND - SIGNAGE

- A

STREET SIGNS
- B



R8-2A

SHARED PATH SIGN - CLASS 1
- C



R1-2A

GIVE WAY SIGN - CLASS 1
- D

ROAD CLOSED

G9-20

DL-5

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

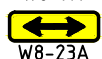
- E



W6-9A

WB-23A

BICYCLE PEDESTRIAN WARNING SIGN - CLASS 1
- F



WB-23A

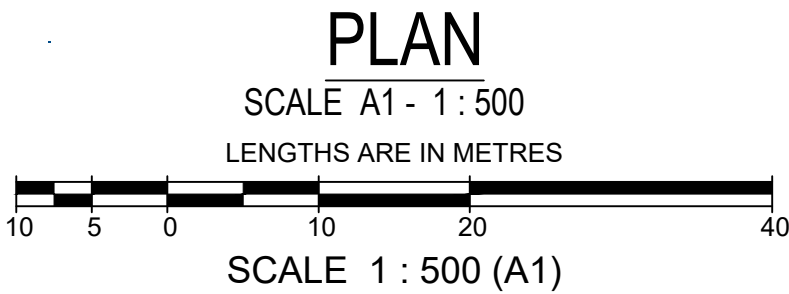
CROSSING ARROW SIGN - CLASS 1

- F



PAINTED SHARED PATH WITH DIRECTION ARROWS

- NOTES:
- a) ALL SIGNS TO BE SLEEVED USING A SL27 SLEEVE WITH A MINIMUM OF 2 WEDGES
- b) ALL SIGNS TO BE INSTALLED IN ACCORDANCE WITH MCC205
- c)  INDICATES UNI-DIRECTIONAL & BI-DIRECTIONAL RRPMs PLACED AT 3m CTRS
- d) SWLM - INDICATES SOLID WHITE 'LONGLIFE' LINEMARKING.
BWLM - INDICATE BROKEN WHITE 'LONGLIFE' LINEMARKING



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. -	RATHDOWNE ESTATE STAGE 21 SIGNAGE & LINEMARKING PLAN	MUNICIPALITY WHITTLESEA
				SURVEY B.P.D.		REFERENCE 9365 ^E / ₂₁
				DESIGN B.P.D.		
	B	13/05/26	ISSUE FOR CONSTRUCTION	DRAWN M.T.		
	A	26/08/25	ISSUE FOR CONSTRUCTION			
VER	DATE	REMARKS		CHECKED R.GOULD-WILLIAMS	SCALE AS SHOWN	DATUM AHD
					DATE Dec 23	SHEET 15 OF 15