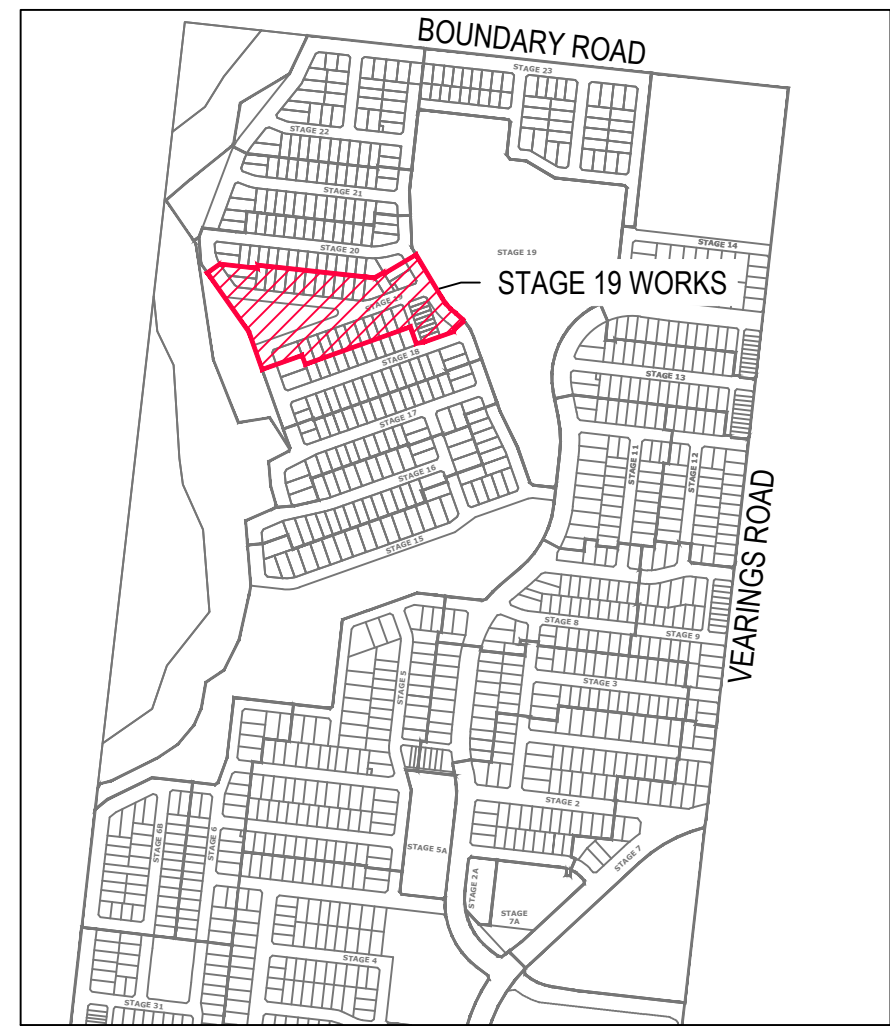
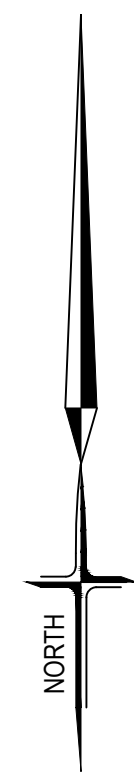
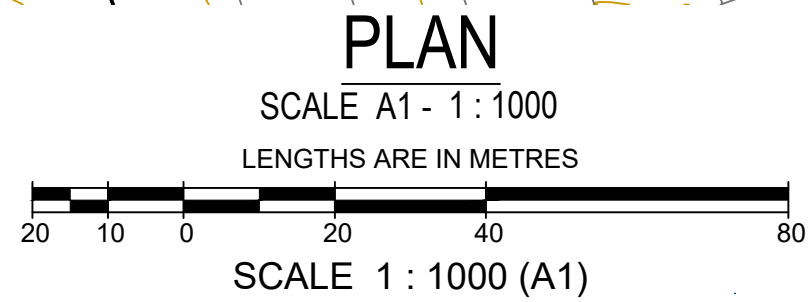




SHEET INDEX		
SHEET #	REVISION	DESCRIPTION
1	A	OVERALL PLAN
2	A	DETAIL PLAN - SHEET 1
3	A	NOTES, PAVEMENT DETAILS & TYPICAL SECTIONS
4	A	INTERSECTION DETAILS - SHEET 1
5	A	INTERSECTION DETAILS - SHEET 2
6	A	INTERSECTION DETAILS - SHEET 3
7	A	GOLDRIDGE DRIVE LONGITUDINAL SECTION
8	A	GOLDRIDGE DRIVE CROSS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

Location	Gas	Water		Communications		Electricity		BOK	Road Width	Joint Trenching	Street Classification
		NDW	DW	Cables	Pits	Cables	Poles				
RIVERBED DRIVE (Lots 1910 to 1912 & 1930)	3.60 S	4.10 S	4.60 S	1.80 N	3.30 S	2.60 N	1.00 BOK	4.35 N 8.05 S	20.00	G&W, FTT&E	STREET LEVEL 1
RIVERBED DRIVE (Lots 1917 to 1927)	2.10 N	2.60 N	3.10 N	0.30 S	1.70 N	1.10 S	1.00 BOK	4.35 N 2.55 S	14.50	G&W, FTT&E	STREET LEVEL 1
RIVERBED DRIVE (Lots 1928 to 1929)	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, FTT&E	STREET LEVEL 1
PROSPECT ROAD (Lots 1901 to 1906)	2.10 S	2.60 S	3.10 S	0.30 N	1.70 S	1.10 N	1.00 BOK	4.35 S 2.55 N	14.50	G&W, FTT&E	STREET LEVEL 1
PROSPECT ROAD (Lot 1901 West)	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, FTT&E	STREET LEVEL 1
BEEHIVE LANE	-	-	-	-	-	-	-	-	8.00	-	ACCESS LANE

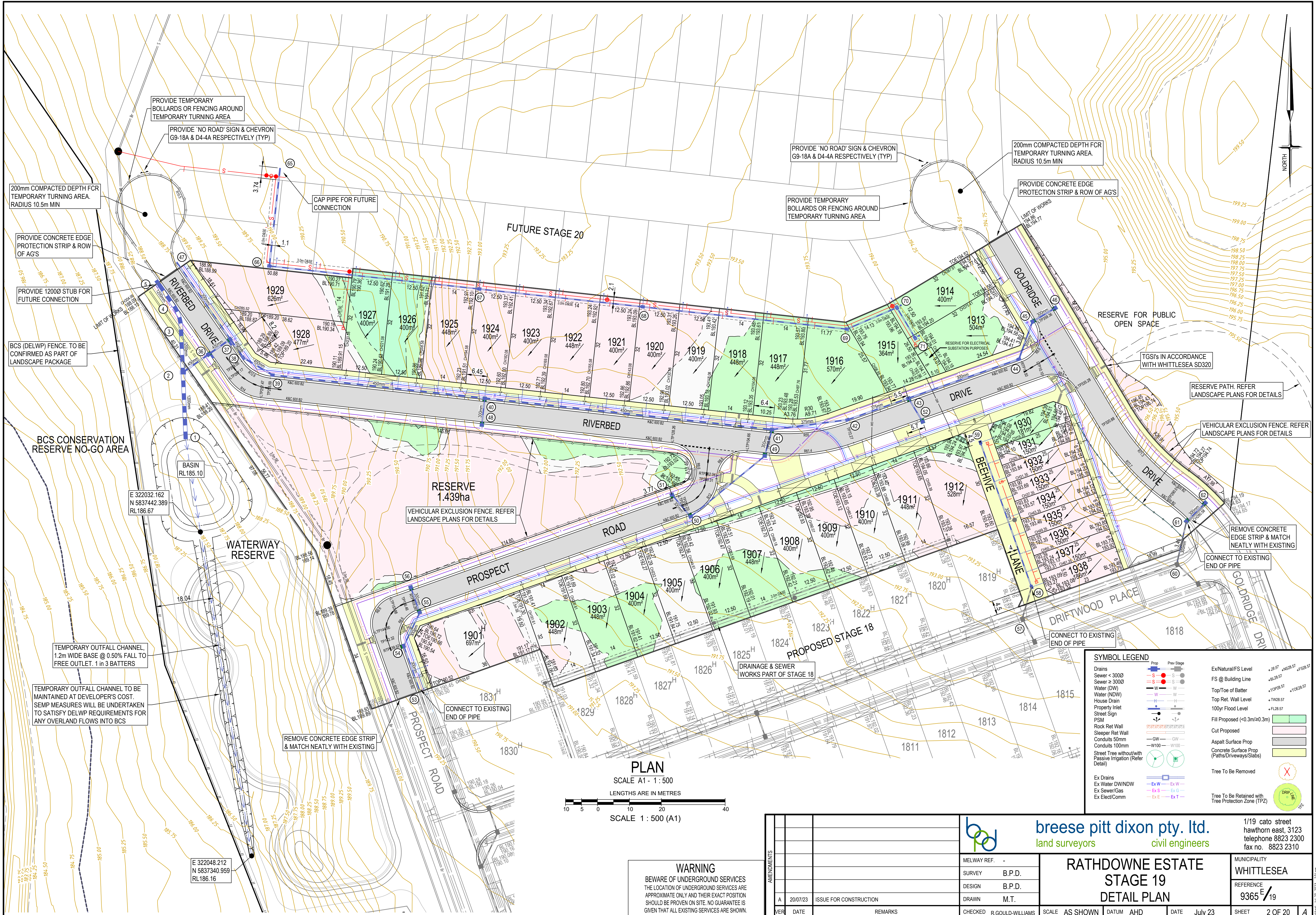
AMENDMENTS			 breese pitt dixon pty. ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310				
			MELWAY REF. -	RATHDOWNE ESTATE STAGE 19 OVERALL PLAN				MUNICIPALITY WHITTLESEEA
		SURVEY B.P.D.	REFERENCE					
		DESIGN B.P.D.	9365 ^E /19					
A	20/07/23	ISSUE FOR CONSTRUCTION	DRAWN M.T.					
VER	DATE	REMARKS	CHECKED R.GOULD-WILLIAMS	SCALE AS SHOWN	DATUM AHD	DATE July 23	SHEET 1 OF 20	A

ATTENTION TO CONTRACTOR

1. IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
2. 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.
3. Where concrete works abut a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.

D:\Dropbox\MAT Design\Breese Pitt Dixon\9365\Acad\Stage 19\9365-19-E-01-OVERALL PLAN.dwg (01

Plotted: Jul 20, 2023 - 10:46am



PLAN
SCALE A1 - 1 : 500
LENGTHS ARE IN METRES
SCALE 1 : 500 (A1)

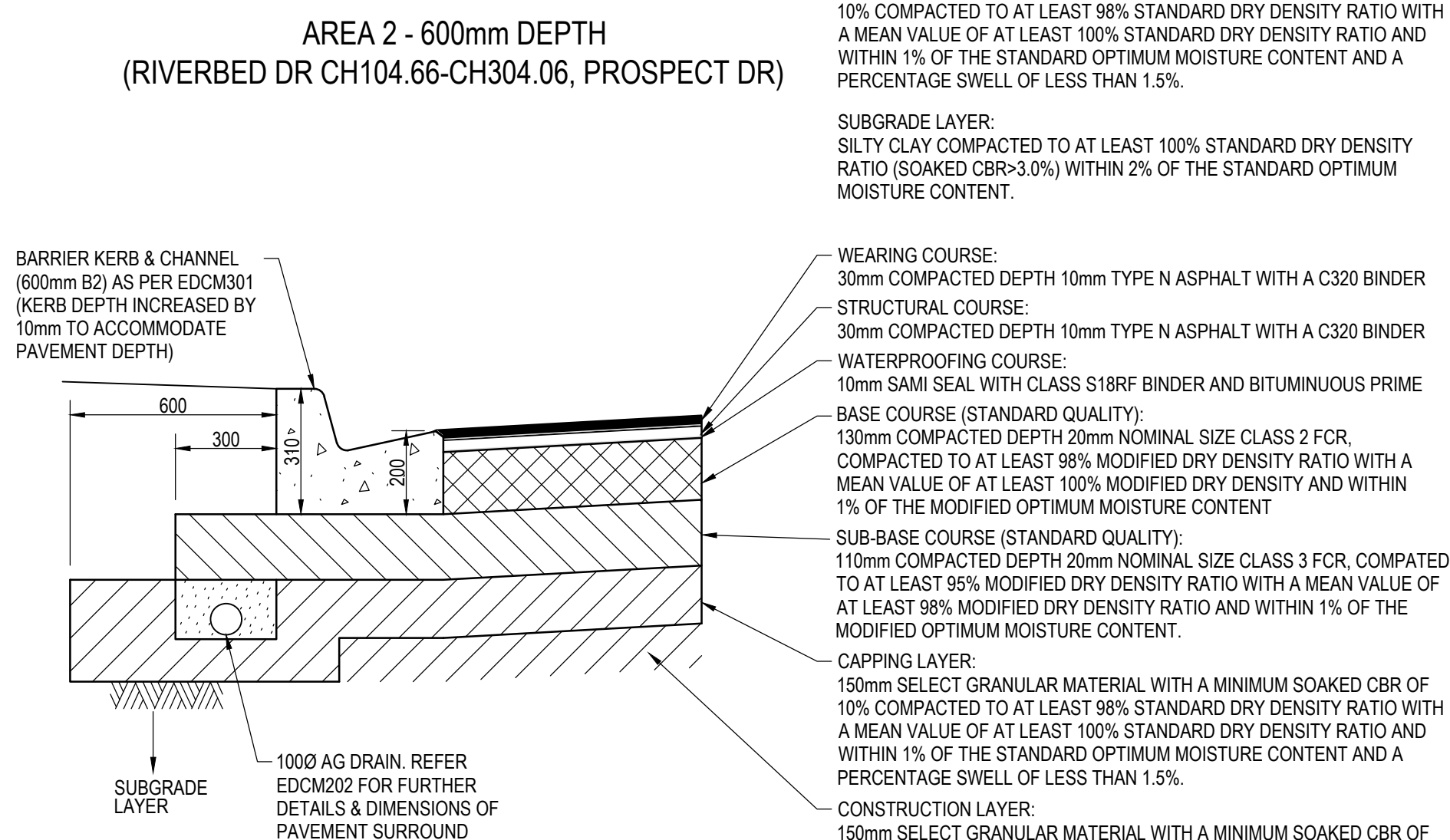
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

SYMBOL LEGEND	
Drains	Prop Stage
Sewer < 3000	S
Sewer ≥ 3000	S
Water (DW)	W
Water (NDW)	W
House Drain	H
Property Inlet	P
Street Sign	S
PSM	P
Rock Ret Wall	R
Sleeper Ret Wall	R
Conduits 50mm	GW
Conduits 100mm	GW
Street Tree without/with Passive Irrigation (Refer Detail)	W100 W100
Ex Drains	Ex W
Ex Water DW/NDW	Ex W
Ex Sewer/Gas	Ex S
Ex Elect/Comm	Ex G
Ex Natural/FS Level	Ex S
FS @ Building Line	Ex S
Top/Tee of Batter	Ex S
Top Ret. Wall Level	Ex S
100yr Flood Level	Ex S
Fill Proposed (<0.3m/≥0.3m)	Ex S
Cut Proposed	Ex S
Asphalt Surface Prop	Ex S
Concrete Surface Prop (Paths/Driveways/Slabs)	Ex S
Tree To Be Removed	Ex S
Tree To Be Retained with Tree Protection Zone (TPZ)	Ex S

AMENDMENTS		brees 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 19 DETAIL PLAN		MUNICIPALITY WHITTLESEA	
SURVEY B.P.D.		DESIGN B.P.D.		REFERENCE 9365 E/19	
A 20/07/23 ISSUE FOR CONSTRUCTION		DRAWN M.T.		SHEET 2 OF 20	
VER DATE REMARKS		CHECKED R.GOULD-WILLIAMS		SCALE AS SHOWN DATUM AHD	
		DATE July 23		SHEET 2 OF 20	

1.	ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH PLANS AND CURRENT CITY OF WHITLEYSEA SPECIFICATIONS AND STANDARD DRAWINGS APPROVED BY COUNCIL AND TO THE SATISFACTION OF THE ENGINEER.	34.	F
2.	COUNCIL TO BE NOTIFIED 2 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.		F
3.	DRAINAGE AND PITS TO BE SETOUT FROM OFFSETS SHOWN RATHER THAN FROM CENTRELINE PIPE CHAINAGES. REFER EDMC001-008 FOR FURTHER DETAILS.		F
4.	ALL PIPES TO BE CLASS 2 UNLESS OTHERWISE SPECIFIED AND SHALL BE R/RJ 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.	35.	F
5.	JOINTING FOR CURVED PIPE ALIGNMENT SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS (R/RJ'S FOR MINOR DEFLECTIONS OR COMPLETE R.C. BANDAGES)	36.	F
6.	PROPERTY INLETS ARE TO BE PLACED 1.0m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.		A
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 ENCR OACH 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.	37.	F
11.	AGRICULTURAL PIPE DRAINS TO PLACED BEHIND ALL KERB AND CHANNEL AND BUFFER PITCHERS AND WHERE DIRECTED BY THE ENGINEER (REFER TO STD DRG EDM2022).	38.	F
12.	ALL DRAINAGE TRENCHES UNDER ROAD PAVEMENTS, KERB & CHANNEL, PARKING BAYS, DRIVEWAYS, FOOTPATHS AND BEHIND KERB & CHANNEL SHALL BE BACKFILLED WITH CRUSHED ROCK	39.	F
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.	40.	F
14.	ALL NATIVE TREES AND SHRUBS TO BE RETAINED UNLESS ROAD CONSTRUCTION NECESSITATES THEIR REMOVAL OR REMOVAL IS DIRECTED BY THE ENGINEER.	41.	F
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.	42.	F
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 WHITLEYSEA PRIOR TO THE CONSTRUCTION OF FOOTPATH BAYS ADJACENT TO THESE PITS.	43.	F
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.	TELSTRA/NBN 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 WHITLEYSEA 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 EDMC501 & 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 WHITLEYSEA 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 WHITLEYSEA SPECIFICATION BEFORE ANY FURTHER WORKS ARE REQUIRED.		
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- | | | | |
|-----|--|-----|---|
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| 2. | COUNCIL TO BE NOTIFIED 2 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS. | | F |
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| 26. | ALL DRIVEWAY RAMPS INTO PROPERTIES ARE TO BE CUT IN AT A MAXIMUM GRADE OF 1 IN 6. | | F |
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| 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. | | F |
| 31. | PAVEMENT DEPTH MAY NOT BE ALTERED WITHOUT WRITTEN APPROVAL FROM CITY OF WHITLESEAS DEVELOPMENT ENGINEERING UNIT PRIOR TO THE COMMENCEMENT OF WORKS. ADDITIONAL COSTS WILL NOT BE CONSIDERED POST TENDER. | | F |
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AREA 2 - 600mm DEPTH
(RIVERBED DR CH104.66-CH304.06, PROSPECT DR)

BARRIER KERB & CHANNEL
(600mm B2) AS PER EDCM301
(KERB DEPTH INCREASED BY 10mm TO ACCOMMODATE PAVEMENT DEPTH)

600
300
310
200

1000 AG DRAIN, REFER EDCM202 FOR FURTHER DETAILS & DIMENSIONS OF PAVEMENT SURROUND

SUBGRADE LAYER

WEARING COURSE:
30mm COMPACTED DEPTH 10mm TYPE N ASPHALT WITH A C320 BINDER

STRUCTURAL COURSE:
30mm COMPACTED DEPTH 10mm TYPE N ASPHALT WITH A C320 BINDER

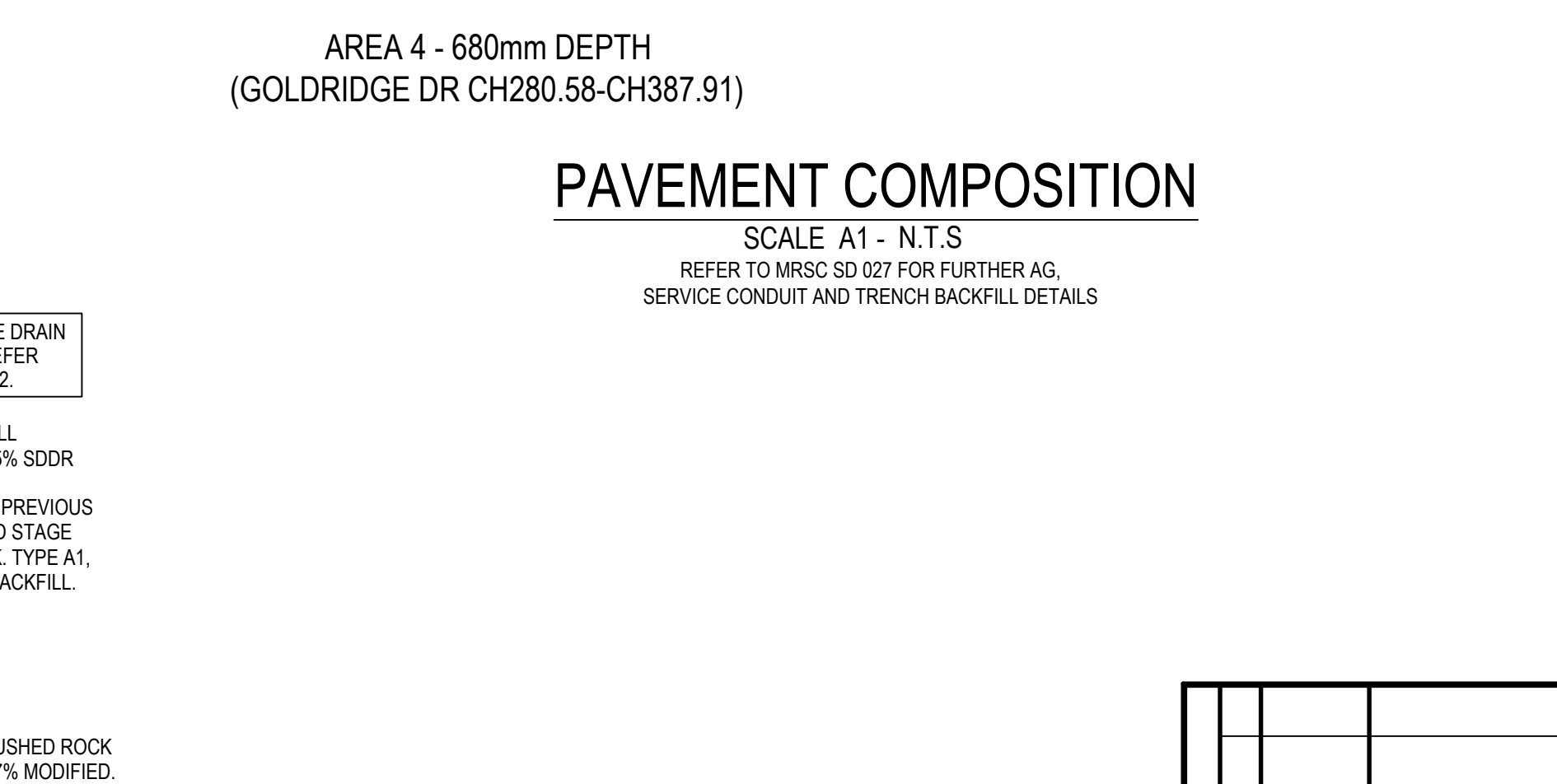
WATERPROOFING COURSE:
10mm SAMI SEAL WITH CLASS S18RF BINDER AND BITUMINOUS PRIME

BASE COURSE (STANDARD QUALITY):
130mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 FCR, COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% MODIFIED DRY DENSITY AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT

SUB-BASE COURSE (STANDARD QUALITY):
110mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 FCR, COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 98% MODIFIED DRY DENSITY RATIO AND WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT.

CAPPING LAYER:
150mm SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%.

CONSTRUCTION LAYER:
150mm SELECT GRANULAR MATERIAL WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITH A MEAN VALUE OF AT LEAST 100% STANDARD DRY DENSITY RATIO AND WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT AND A PERCENTAGE SWELL OF LESS THAN 1.5%.



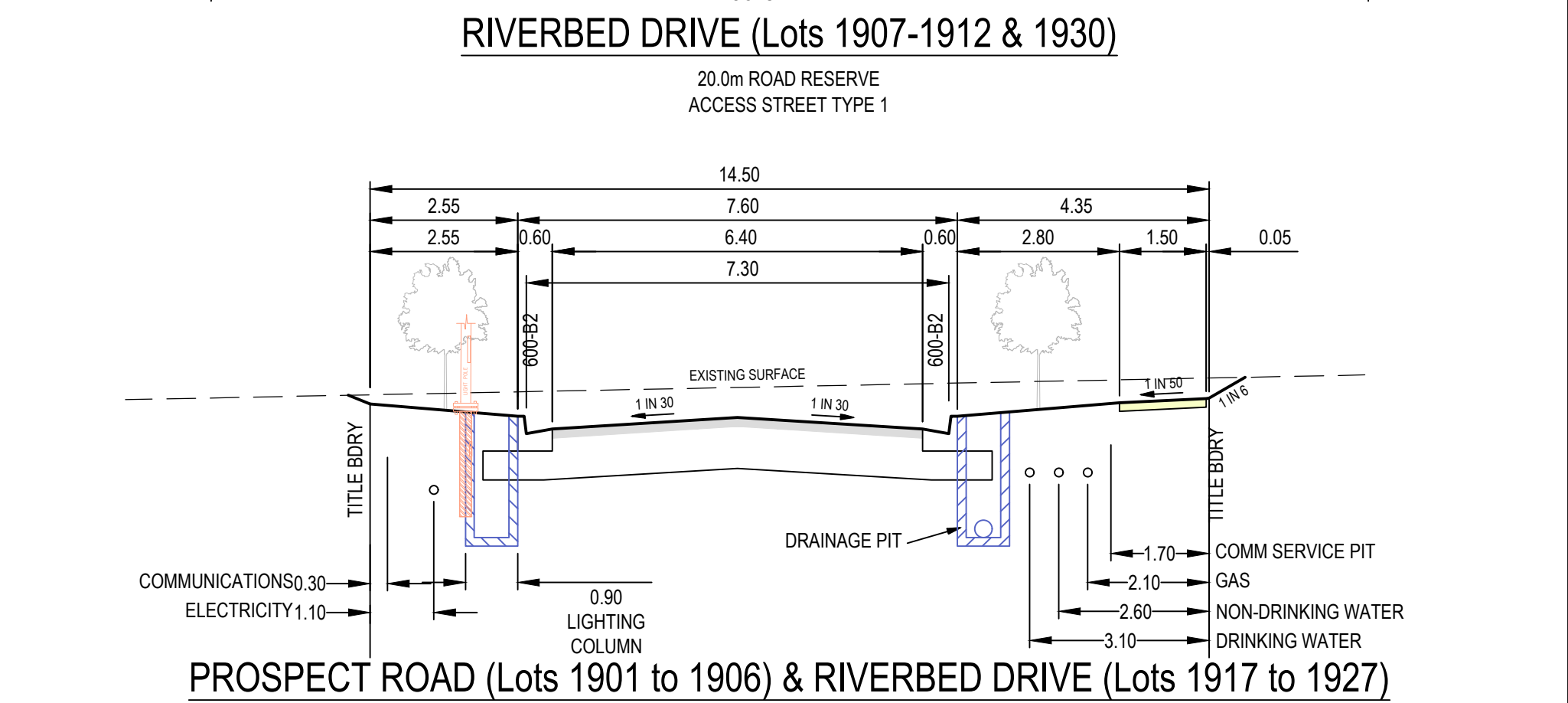
AREA 4 - 680mm DEPTH
(GOLDRIDGE DR CH280.58-CH387.91)

PAVEMENT COMPOSITION

SCALE A1 - N.T.S

REFER TO MRSC SD 027 FOR FURTHER AG,
SERVICE CONDUIT AND TRENCH BACKFILL DETAILS





RIVERBED DRIVE (Lots 1907-1912 & 1930)

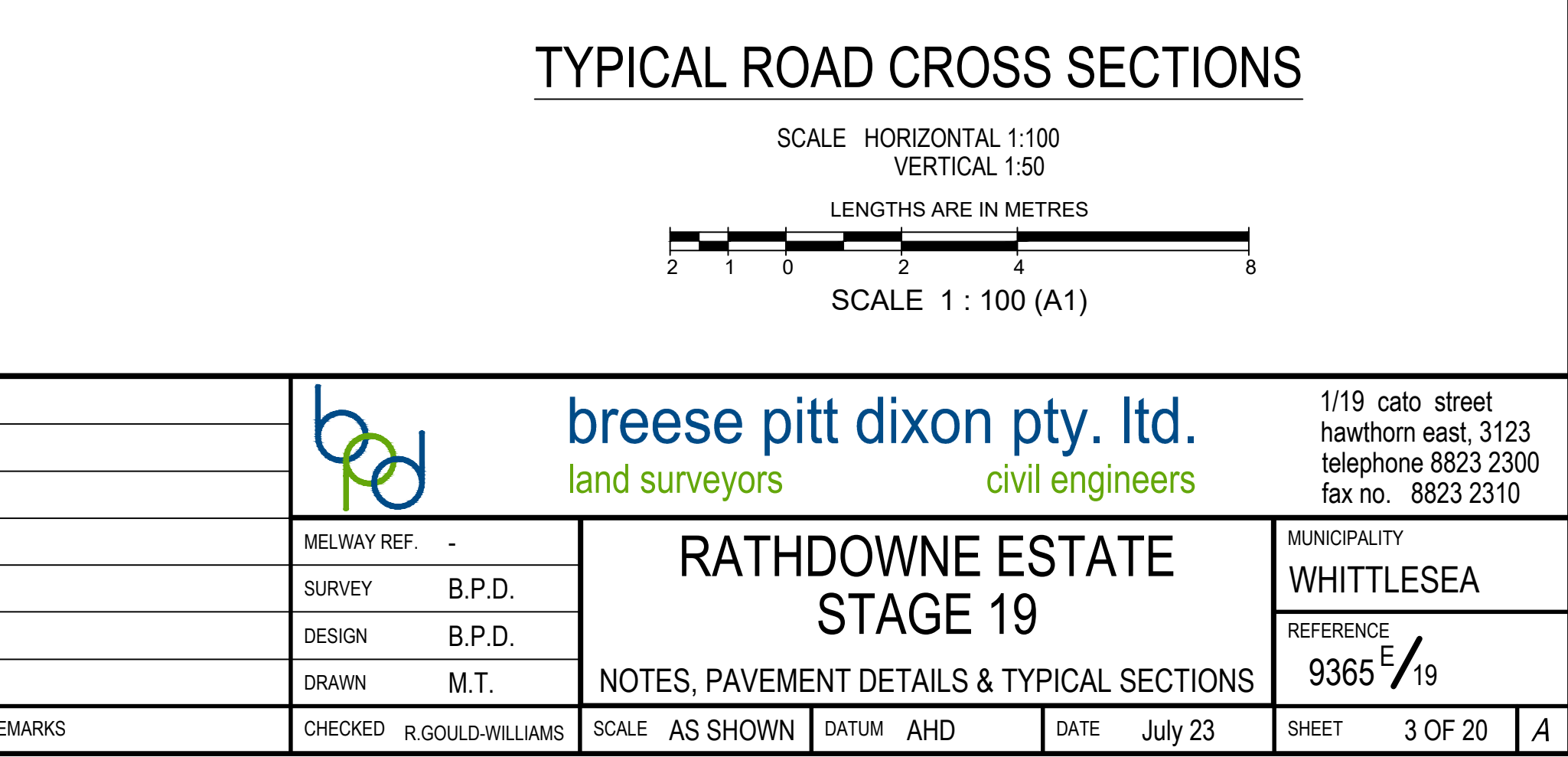
20.0m ROAD RESERVE
ACCESS STREET TYPE 1

14.50
7.60
4.35
2.55
2.55
0.60
6.40
7.30
0.60
2.80
1.50
0.05

EXISTING SURFACE
1 IN 30
1 IN 30
1 IN 30
1 IN 6

TITLE BDRY
COMMUNICATIONS 0.30
ELECTRICITY 1.10
0.80 LIGHTING COLUMN
DRAINAGE PIT
1.70 COMM SERVICE PIT
2.10 GAS
2.60 NON-DRINKING WATER
3.10 DRINKING WATER
TITLE BDRY

PROSPECT ROAD (Lots 1901 to 1906) & RIVERBED DRIVE (Lots 1917 to 1927)



TYPICAL ROAD CROSS SECTIONS

SCALE HORIZONTAL 1:100
VERTICAL 1:50

LENGTHS ARE IN METRES

SCALE 1 : 100 (A1)

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. -	RATHDOWNNE ESTATE STAGE 19 NOTES, PAVEMENT DETAILS & TYPICAL SECTIONS			MUNICIPALITY WHITTLESEA	
		SURVEY B.P.D.	REFERENCE					
		DESIGN B.P.D.	9365 ^E /19					
A	20/07/23	ISSUE FOR CONSTRUCTION					DRAWN M.T.	
VER	DATE	REMARKS	CHECKED R.GOULD-WILLIAMS	SCALE AS SHOWN	DATUM AHD	DATE July 23	SHEET 3 OF 20	A

LIP LINE CLIP LINE CLIP LINE D

SCALE 1 : 200 (A1)

SCALE 1 : 200 (A1)

SYMBOL LEGEND



civil engineers

MUNICIPALITY

LITTLESEA

WHITELESEA

REFERENCE

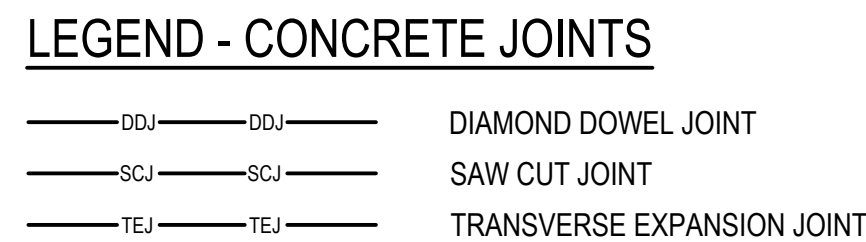
9365^E/19

5555 / 15

EET 4 OF 20 A

[illegible]

SCALE A1 - 1:200H 1:20V



SCALE A1 - 1:10



OPTION A

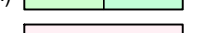
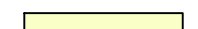
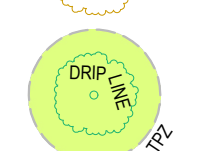


OPTION B

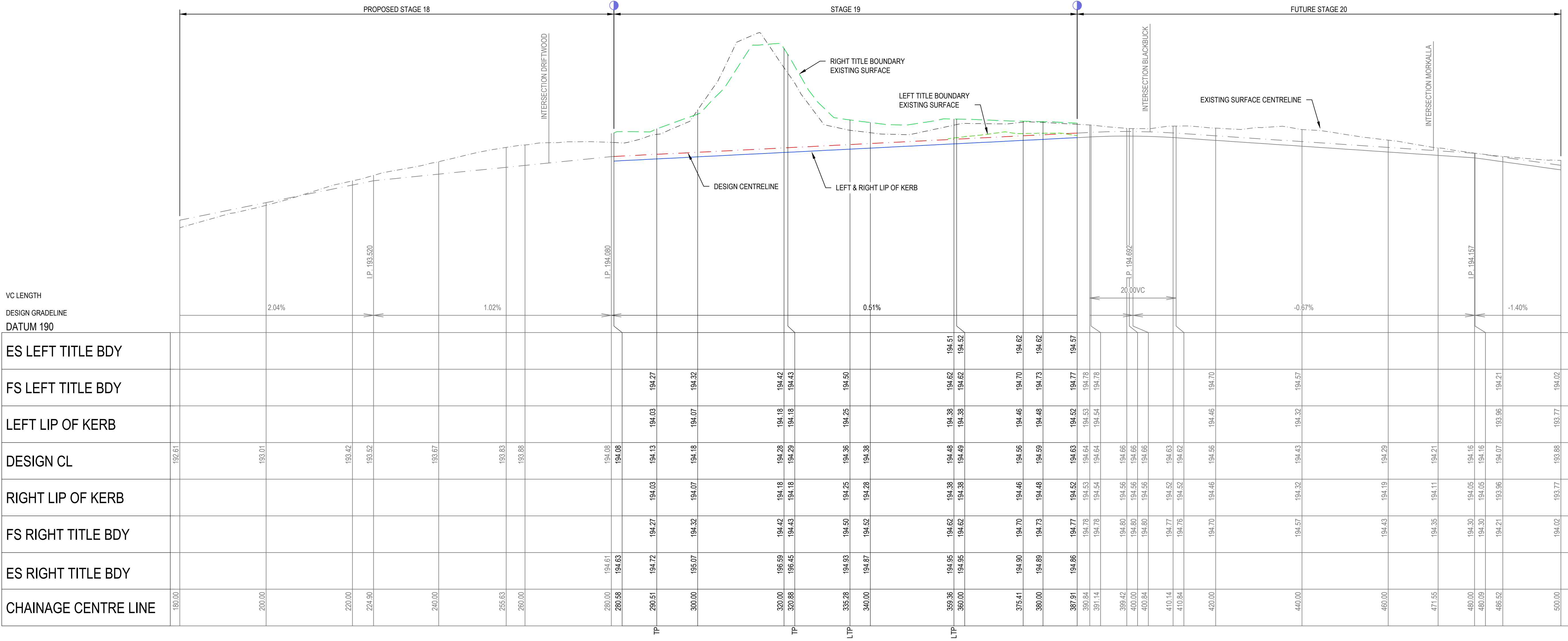
SCALE A1 - N.T.S

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.

SYMBOL LEGEND

Drains		Ex/Natural/FS Level	 +28.57	 +N639.57	 +F505.57
Sewer < 3000		FS @ Building Line	 +81.28.57		
Sewer > 3000		Top/Toe of Batter	 +TOP+28.57	 +10628.57	
Water (DW)		Top Ret. Wall Level	 +TW28.57		
Water (NDW)		100yr Flood Level	 +FL28.57		
House Drain		Fill Proposed (<0.3m/±0.3m)			
Property Inlet		Cut Proposed			
Street Sign		Asphalt Surface Prop			
PSM		Concrete Surface Prop			
Rock Ret Wall		(Paths/Driveways/Slabs)			
Sleeper Ret Wall		Tree To Be Removed			
Conduits 50mm					
Conduits 100mm					
Street Tree without/with Passive Irrigation (Refer Detail)					
					
Ex Drains					
Ex Water DW/NDW					
Ex Sewer/Gas					
Ex Elect/Comm					
					
		Tree To Be Retained with Tree Protection Zone (TPZ)			

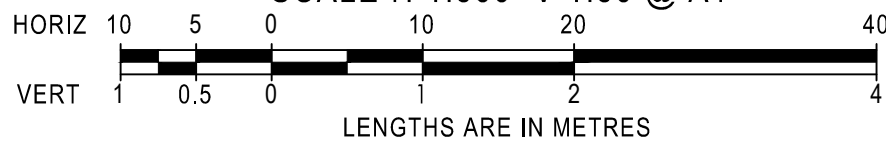
AMENDMENTS					breese pitt dixon pt ^y . ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310								
				MELWAY REF.	678-H8				RATHDOWNNE ESTATE STAGE 19 INTERSECTION DETAILS - SHEET 3				MUNICIPALITY				
			SURVEY	B.P.D.				WHITTLESEA									
			DESIGN	B.P.D.				REFERENCE									
				DRAWN	M.T.				9987 ^E /19								
VER	DATE	REMARKS		CHECKED	J.TALBOT		SCALE	AS SHOWN	DATUM	AHD	DATE	July 23		SHEET	6 OF 20		A



GOLDRIDGE DR
LONGITUDINAL SECTION

SCALE A1 - 1:500H 1:50V

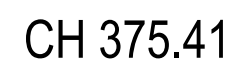
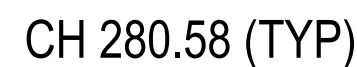
SCALE H 1:500 V 1:50 @ A1



LEGEND:

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

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 19 GOLDRIDGE DR LONGITUDINAL SECTION		MUNICIPALITY WHITTLESEA					
				SURVEY B.P.D.				REFERENCE					
				DESIGN B.P.D.				9365 E/19					
A	20/07/23	ISSUE FOR CONSTRUCTION	DRAWN M.T.										
VER	DATE	REMARKS	CHECKED	R.G.W.	SCALE	AS SHOWN	DATUM	AHD	DATE	July 23	SHEET	7 OF 20	A

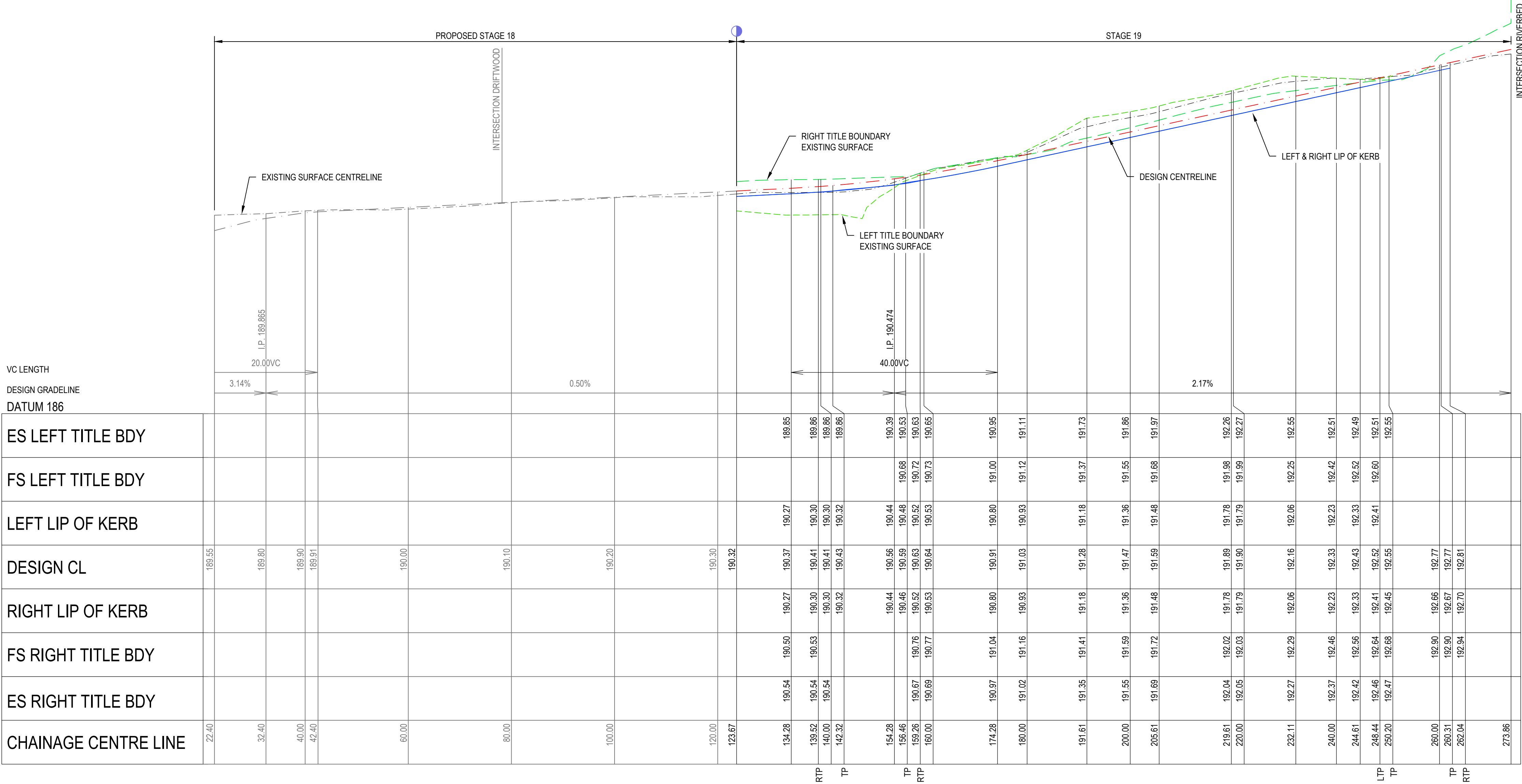


	EXISTING SURFACE LEVEL
	DESIGN CENTRELINE
	TYPE A SELECTED MATERIAL FILL LEVEL 1 SUPERVISION REQUIRED

HORIZ 2 1 0 2 4 8
VERT 1 0.5 0 1 2 4
LENGTHS ARE IN METRES

AMENDMENTS					breese pitt dixon Pty. Ltd. land surveyors			
------------	--	--	--	---	---	--	--	--

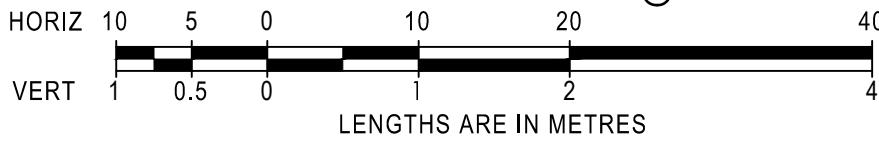
lotted: Jul 20, 2023 - 11:37am



PROSPECT RD
LONGITUDINAL SECTION

SCALE A1 - 1:500H 1:50V

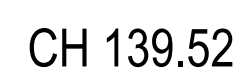
SCALE H 1:500 V 1:50 @ A1



LEGEND:

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

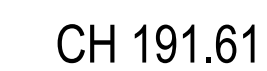
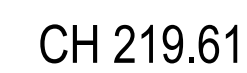
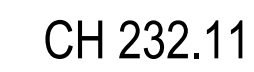
AMENDMENTS					breese pitt dixon pty. ltd.		land surveyors		civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
					MELWAY REF.		RATHDOWNE ESTATE STAGE 19		MUNICIPALITY WHITTLESEA		REFERENCE 9365 ^E /19			
					SURVEY	B.P.D.								
					DESIGN	B.P.D.								
A	20/07/23	ISSUE FOR CONSTRUCTION		DRAWN	M.T.	PROSPECT RD LONGITUDINAL SECTION								
VER	DATE	REMARKS		CHECKED	R.G.W.	SCALE	AS SHOWN	DATUM	AHD	DATE	July 23	SHEET	9 OF 20	A

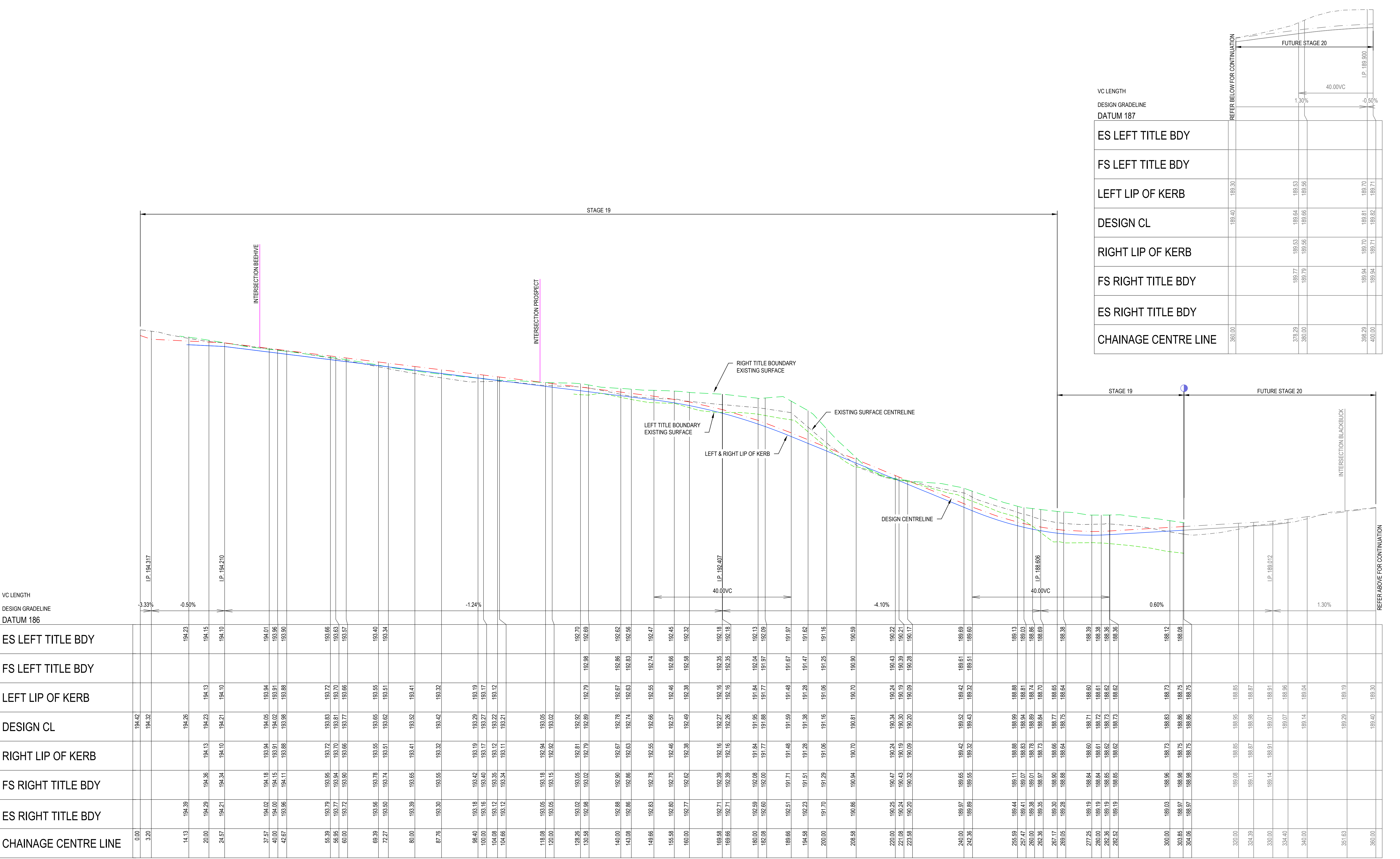




EXISTING SURFACE LEVEL
 DESIGN CENTRELINE
 TYPE A SELECTED MATERIAL FILL
 LEVEL 1 SUPERVISION REQUIRED

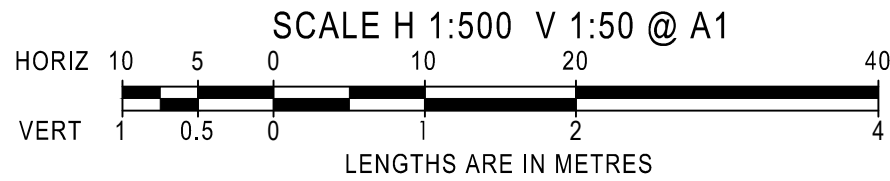
AMENDMENTS				 breese pitt dixon Pty. Ltd. land surveyors civil engineers	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310					
					MELWAY REF.	RATHDOWNNE ESTATE STAGE 19 PROSPECT RD CROSS SECTIONS			MUNICIPALITY WHITTLESEEA	
					SURVEY B.P.D.				REFERENCE 9365 E/19	
					DESIGN B.P.D.					
	A	20/07/23	ISSUE FOR CONSTRUCTION		DRAWN M.T.					
VER	DATE	REMARKS	CHECKED R.G.W.	SCALE	AS SHOWN	DATUM	AHD	DATE July 23	SHEET 10 OF 20	A





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

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



AMENDMENTS

A	20/07/23	ISSUE FOR CONSTRUCTION
VER	DATE	REMARKS

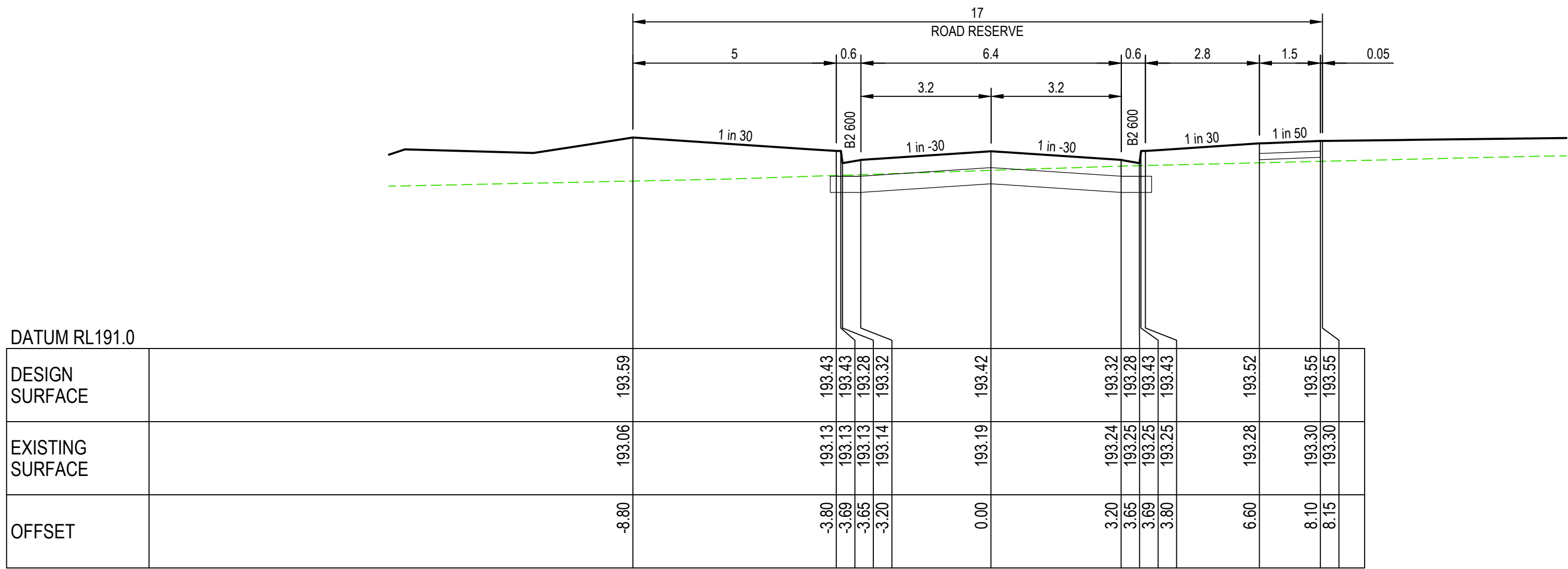
MELWAY REF.	
SURVEY	B.P.D.
DESIGN	B.P.D.
DRAWN	M.T.
CHECKED	R.G.W.

RATHDOWNE ESTATE STAGE 19	
RIVERBED DR LONGITUDINAL SECTION	
SCALE	AS SHOWN
DATUM	AHD
DATE	July 23

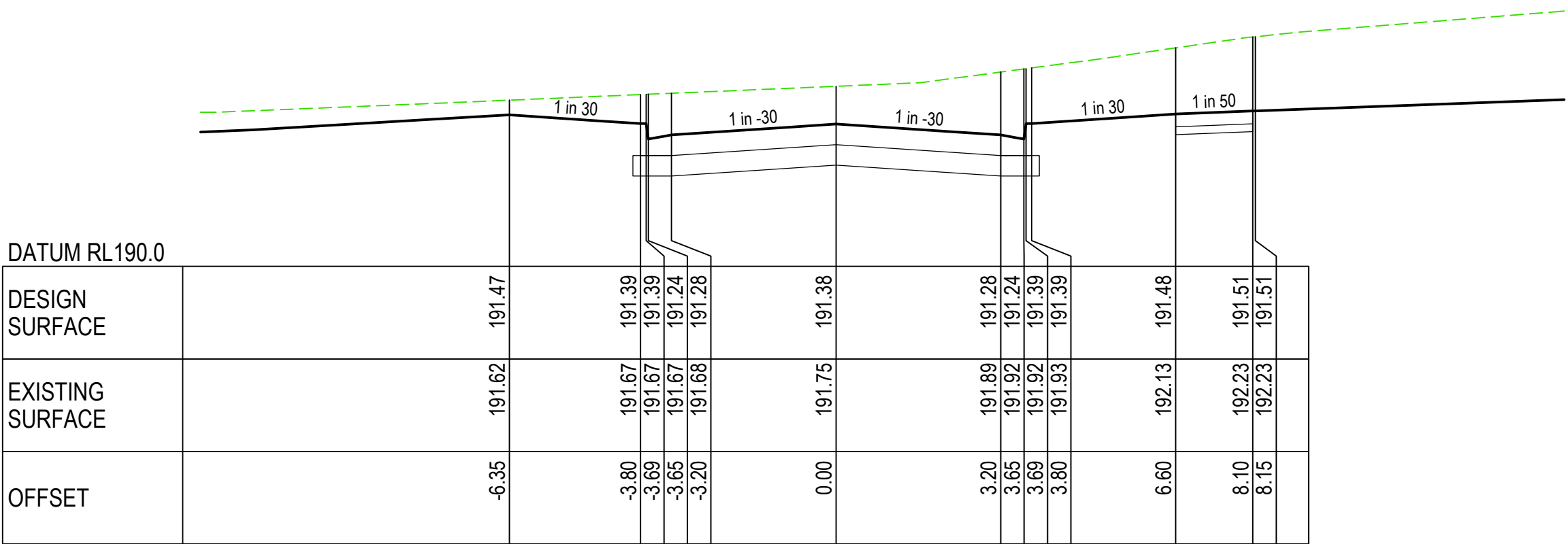
MUNICIPALITY	WHITTLESEA
REFERENCE	9365 E/19
SHEET	11 OF 20
A	

breese pitt dixon pty. ltd.
land surveyors
civil engineers

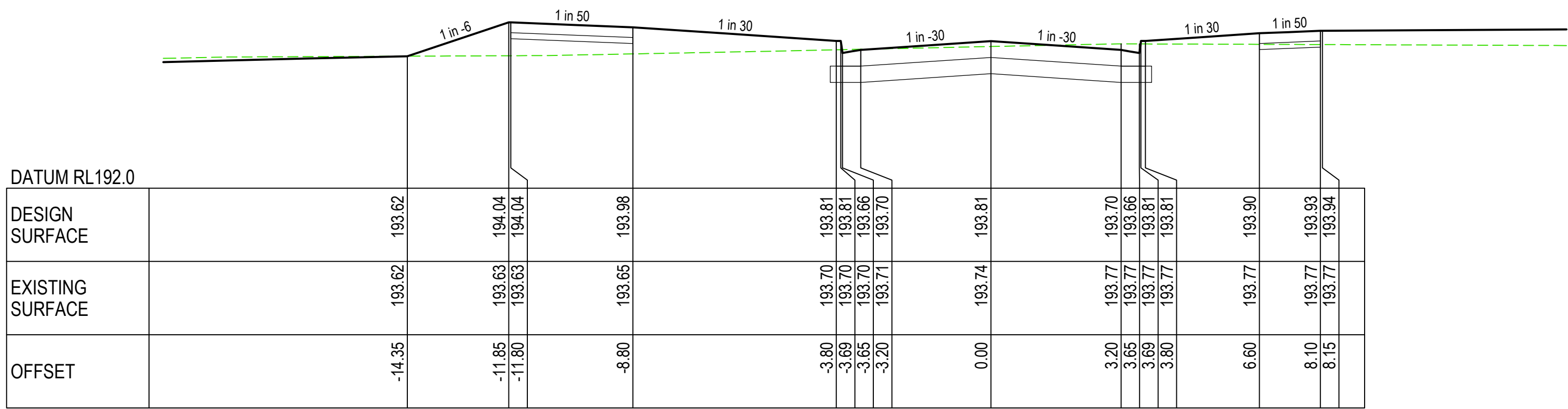
1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310



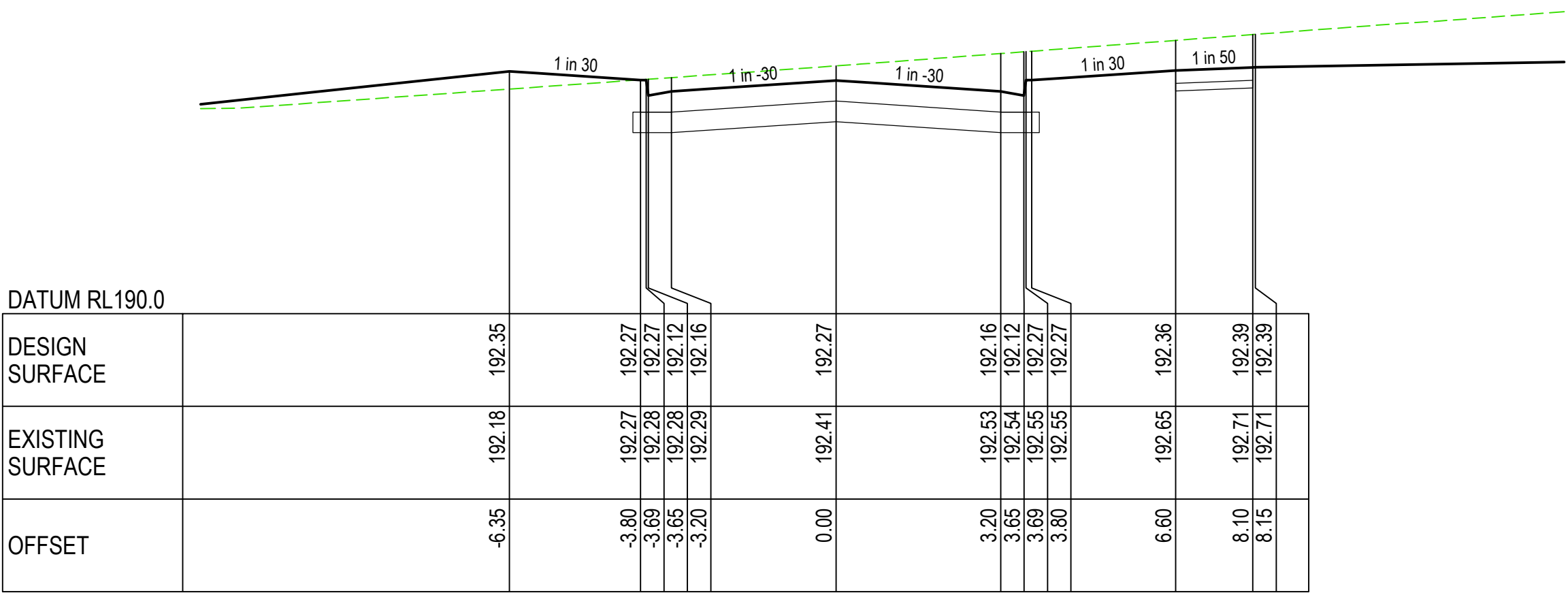
CH 87.76



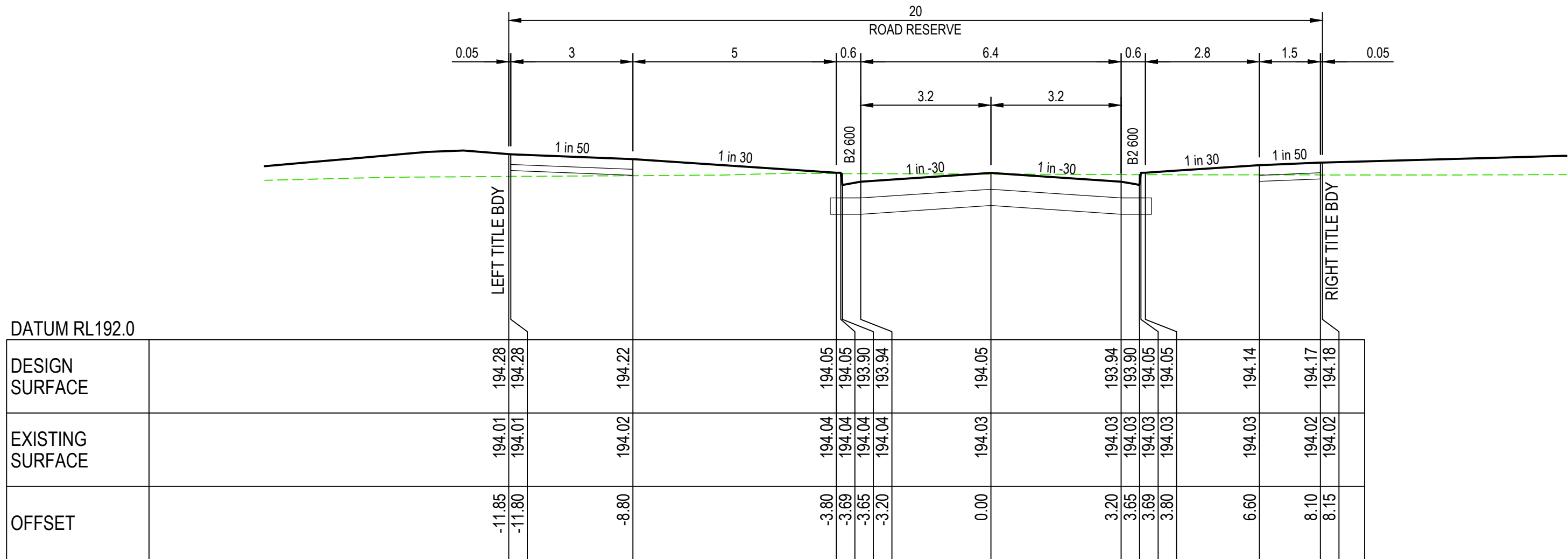
CH 194.58



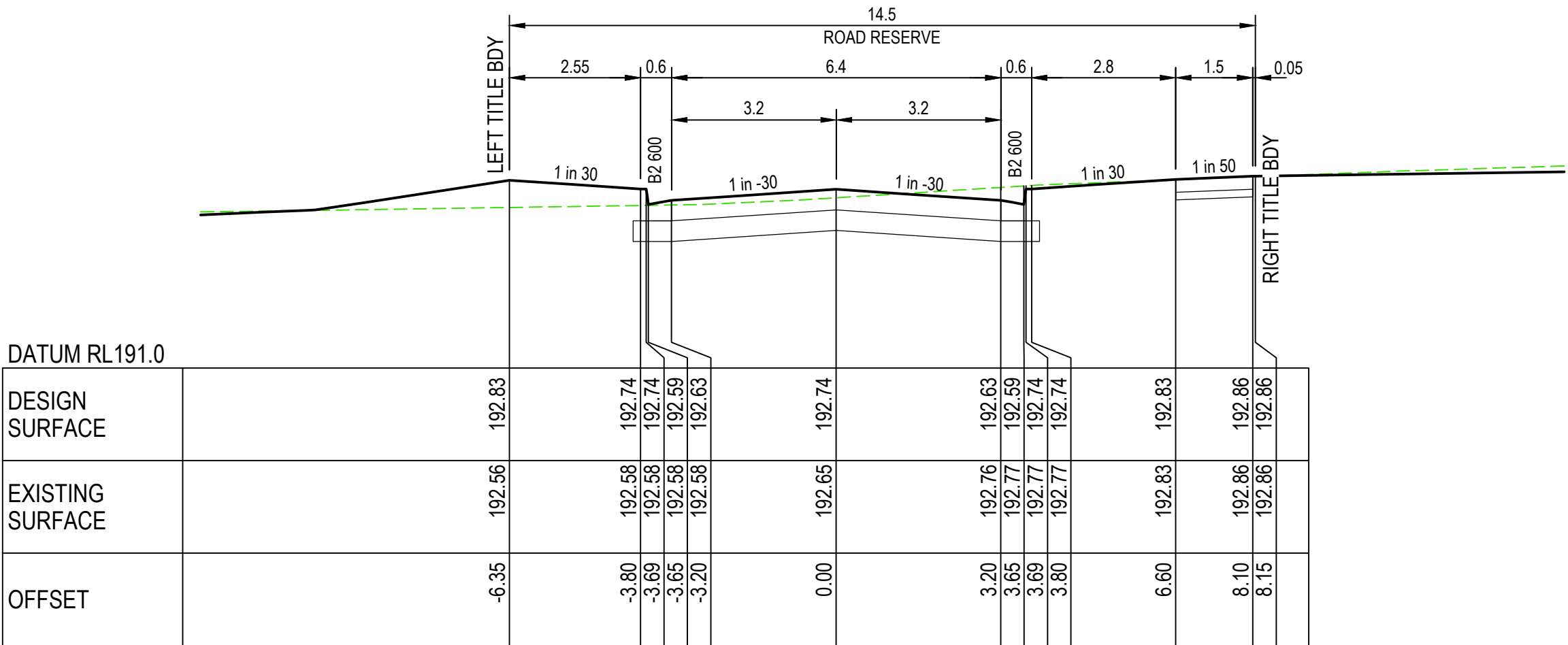
CH 56.95



CH 169.58



CH 37.57



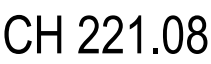
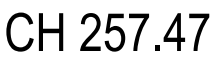
CH 143.08

LEGEND:

- EXISTING SURFACE LEVEL
- DESIGN CENTRELINE
- TYPE A SELECTED MATERIAL FILL, LEVEL 1 SUPERVISION REQUIRED

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

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 19				MUNICIPALITY			
					SURVEY B.P.D.								WHITTLESEA			
					DESIGN B.P.D.				RIVERBED DR CROSS SECTIONS - SHEET 1				REFERENCE			
A	20/07/23	ISSUE FOR CONSTRUCTION		DRAWN M.T.				9365 E/19								
VER	DATE	REMARKS		CHECKED	R.G.W.		SCALE	AS SHOWN	DATUM	AHD	DATE	July 23		SHEET	12 OF 20	A



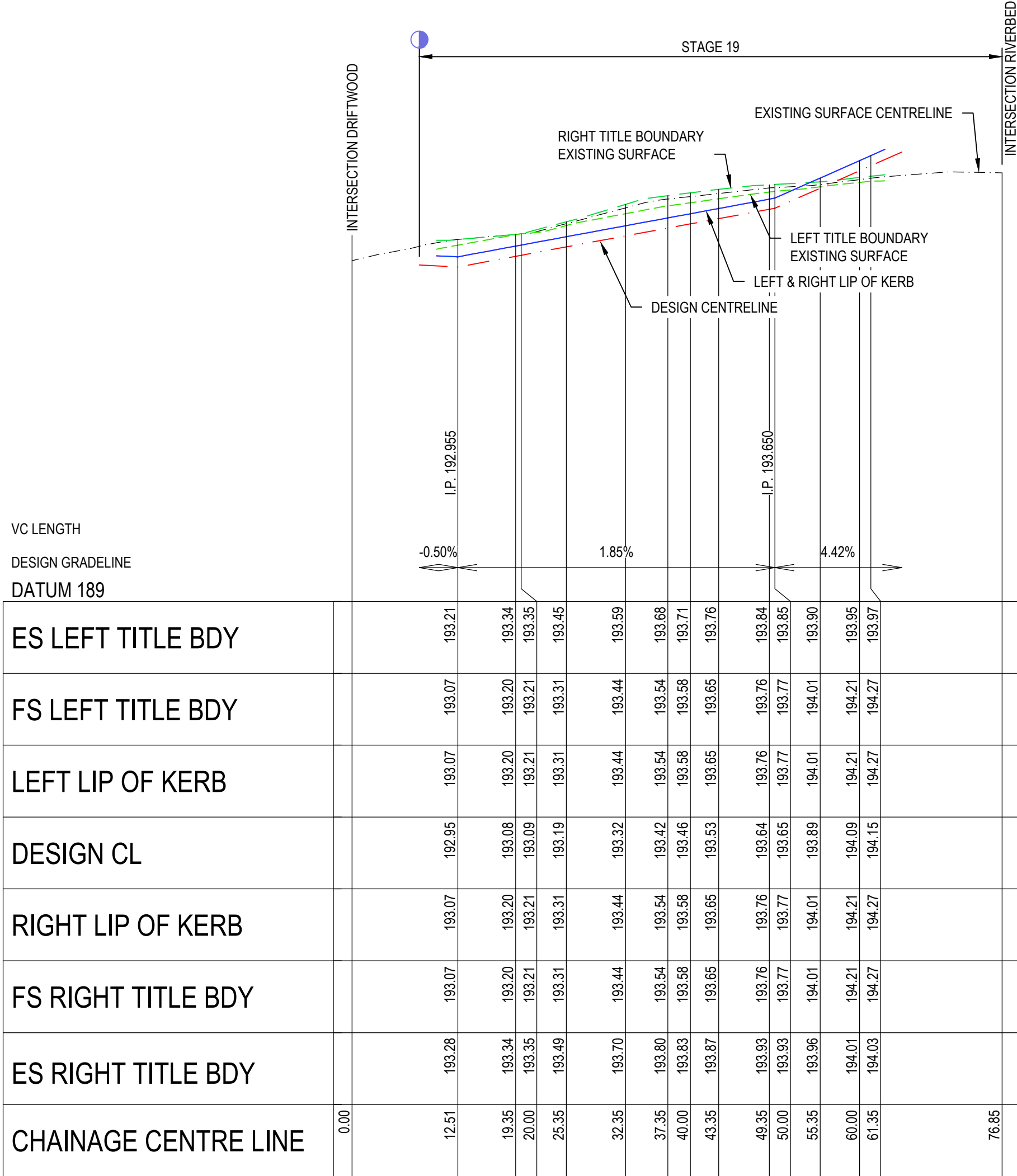
	EXISTING SURFACE LEVEL
	DESIGN CENTRELINE
	TYPE A SELECTED MATERIAL FILL. LEVEL 1 SUPERVISION REQUIRED

RIVERBED DRIVE CROSS SECTIONS

SCALE A1 - 1:100H 1:50V

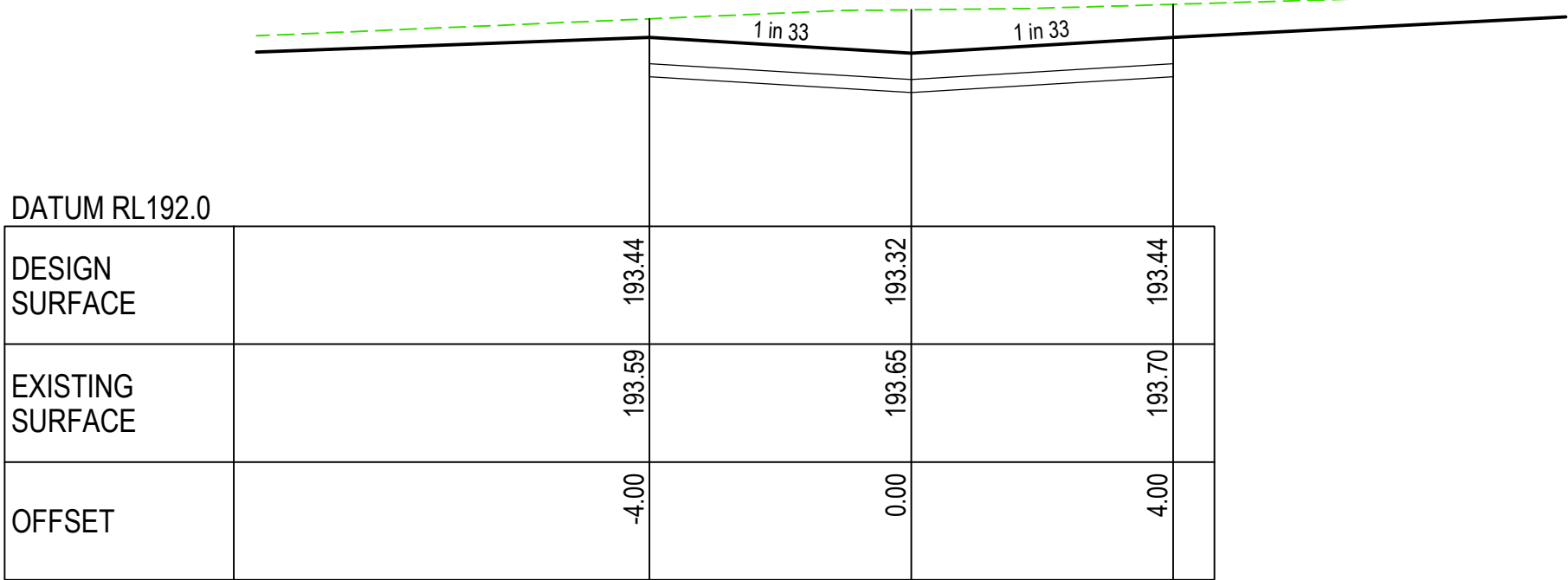
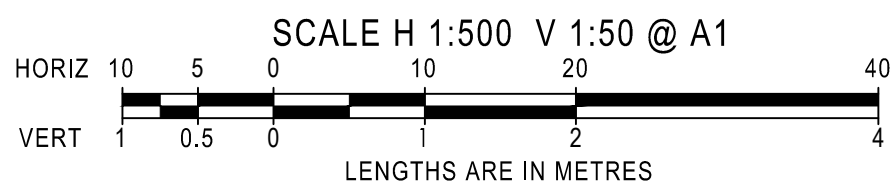
AMENDMENTS			 breese pitt dixon pty. ltd. land surveyors civil engineers 1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
				MELWAY REF.	RATHDOWNE ESTATE STAGE 19 RIVERBED DR CROSS SECTIONS - SHEET 2			MUNICIPALITY WHITTLESEA	
				SURVEY B.P.D.				REFERENCE 9365 ^E /19	
				DESIGN B.P.D.					
	A	20/07/23		ISSUE FOR CONSTRUCTION	DRAWN M.T.				
VER	DATE	REMARKS	CHECKED R.G.W.	SCALE	AS SHOWN	DATUM AHD	DATE July 23	SHEET 13 OF 20	A

Plotted: Jul 20, 2023 - 11:46am

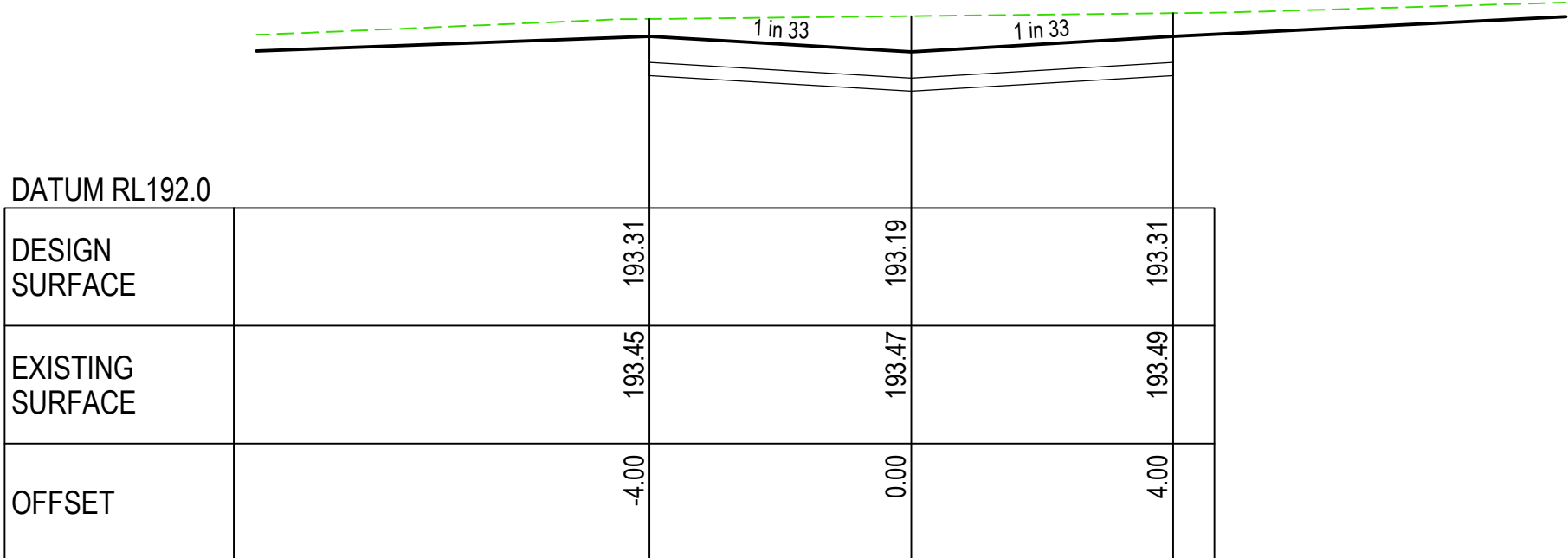


BEEHIVE LANE
LONGITUDINAL SECTION

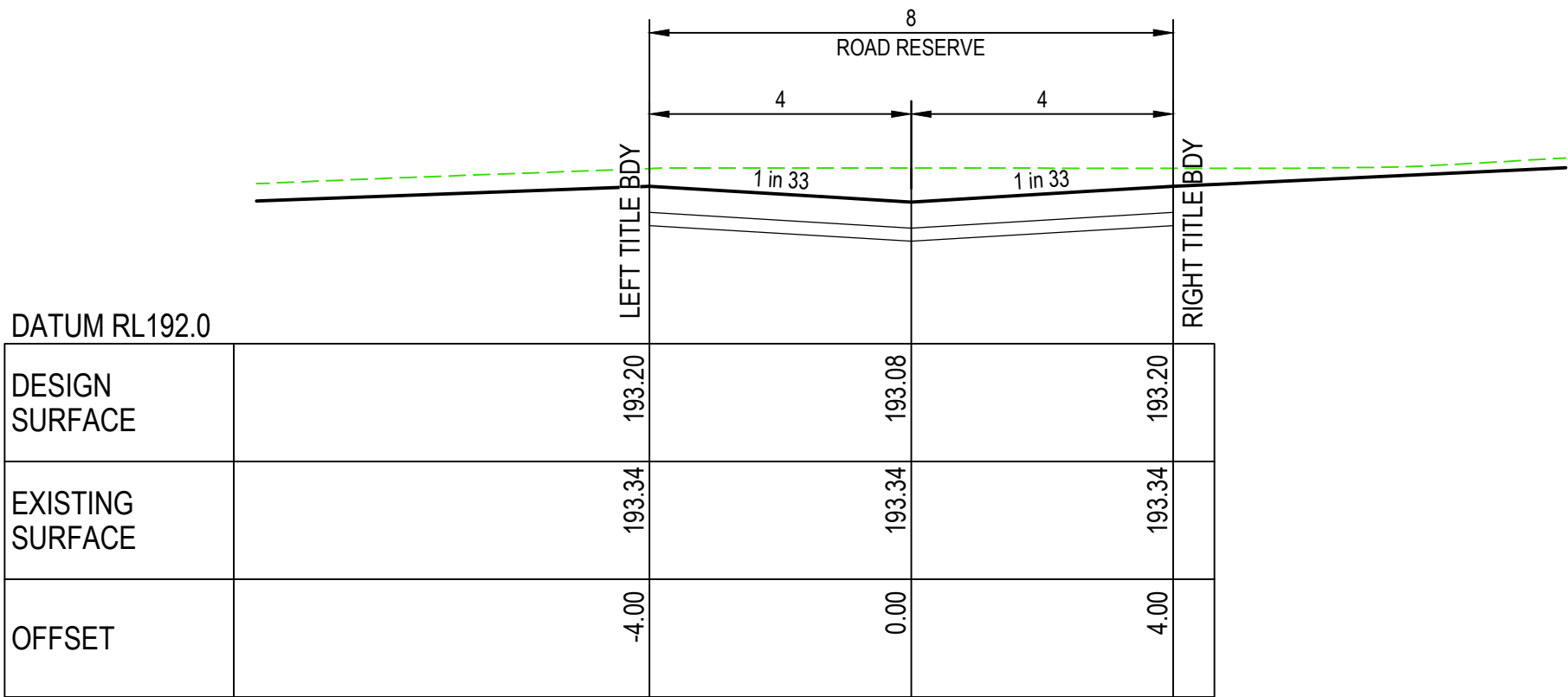
SCALE A1 - 1:500H 1:50V



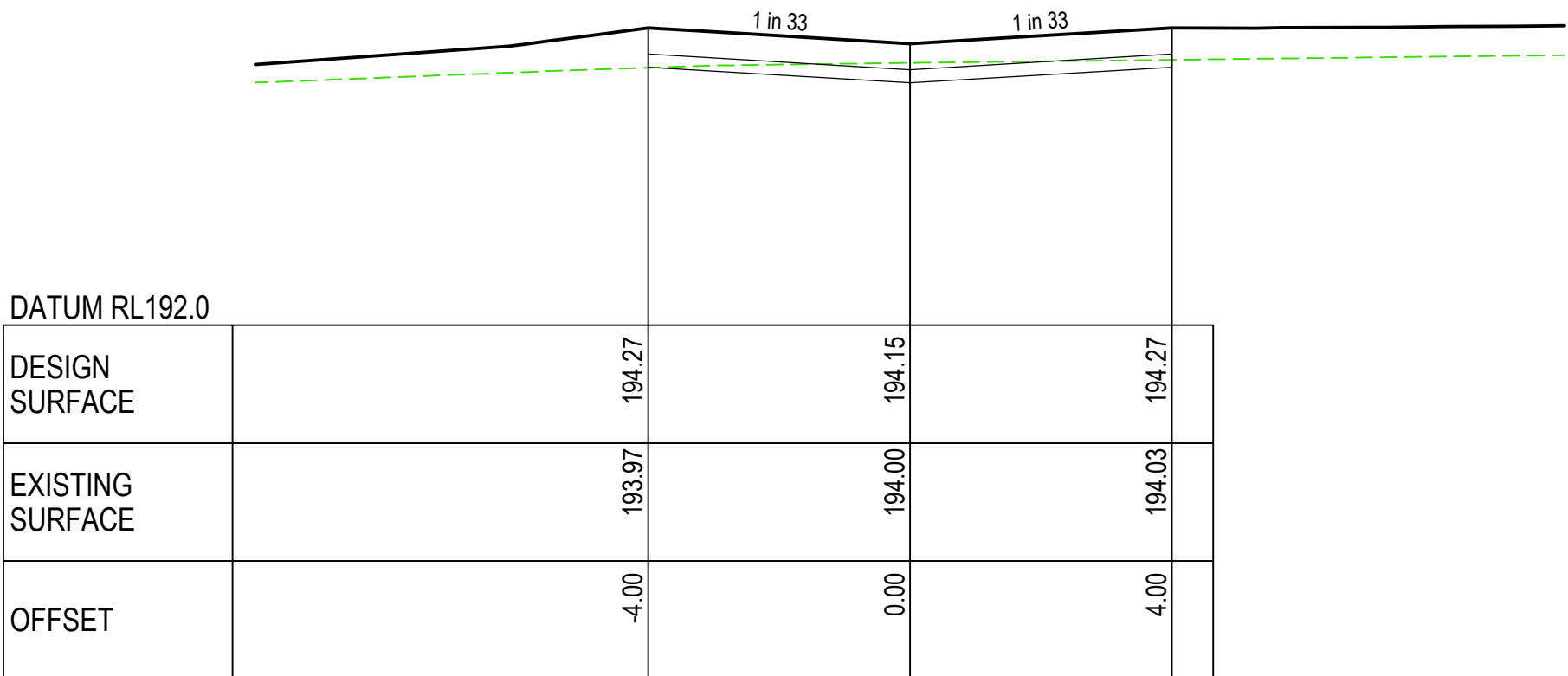
CH 32.35



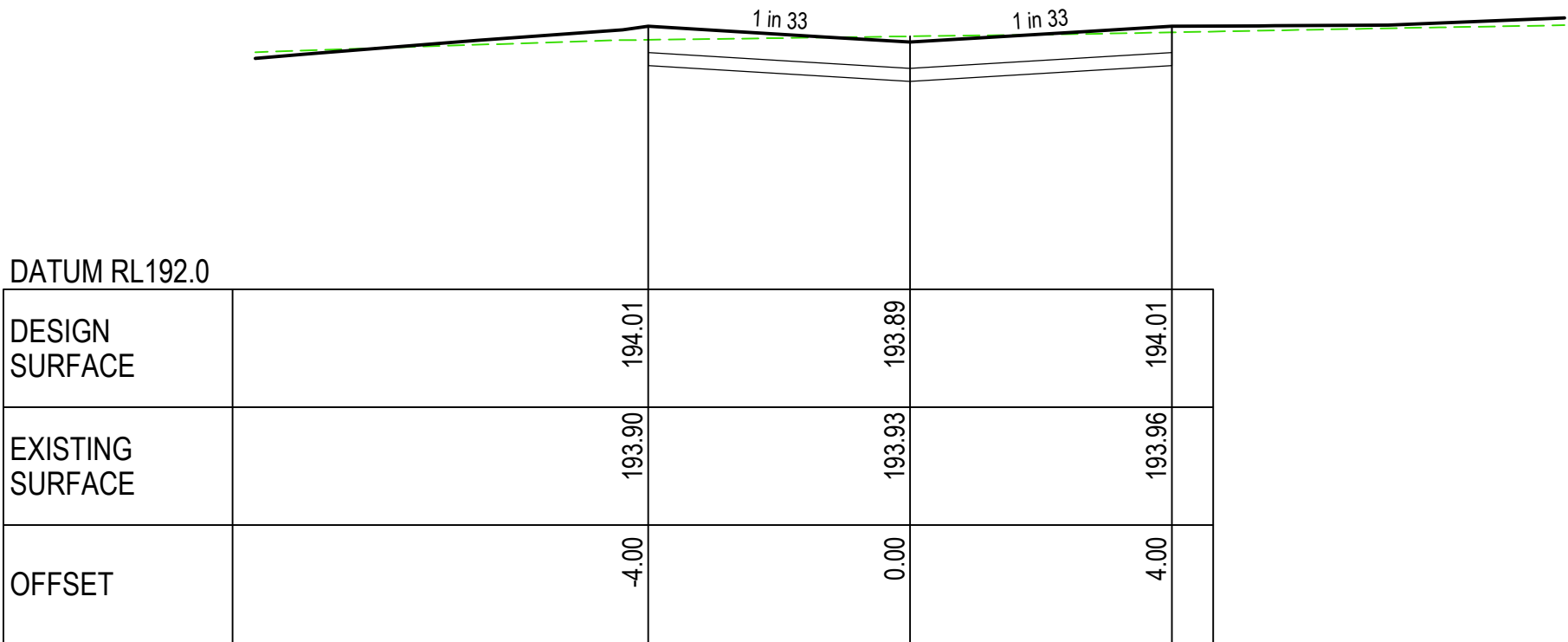
CH 25.35



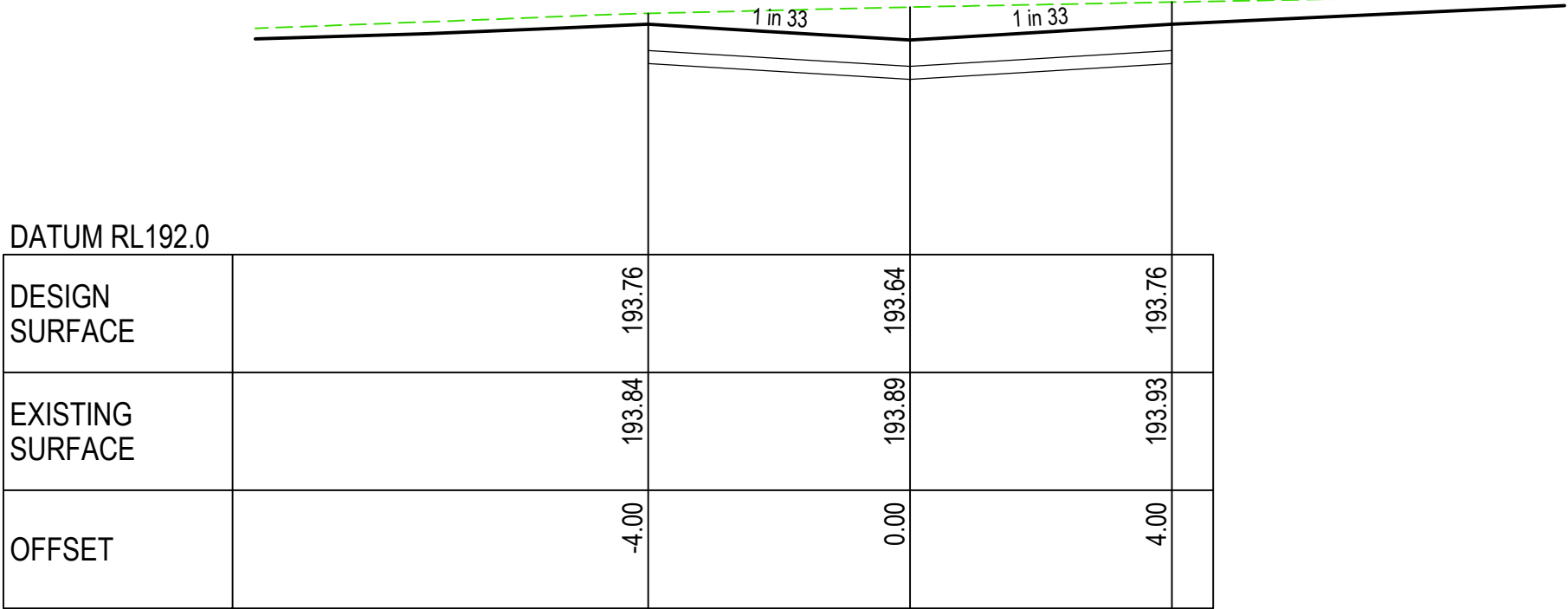
CH 19.35



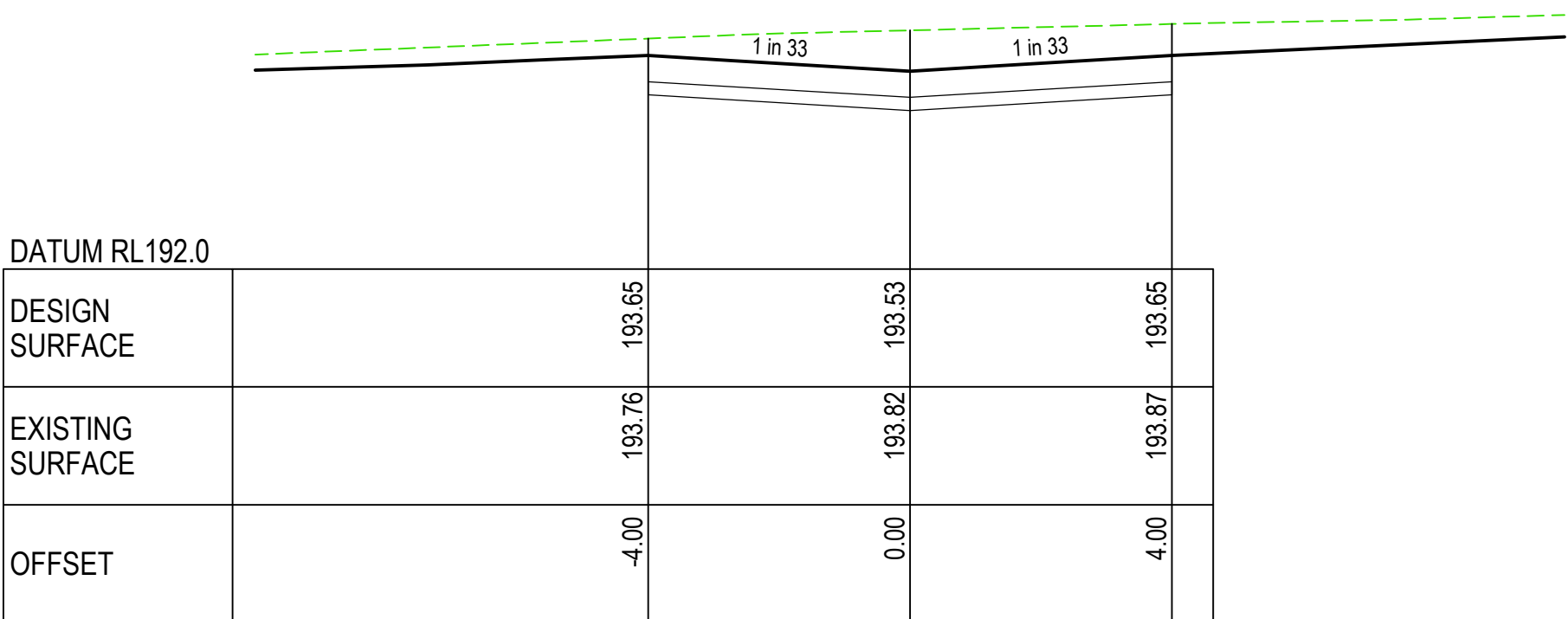
CH 61.35



CH 55.35



CH 49.35



CH 43.35

LEGEND:

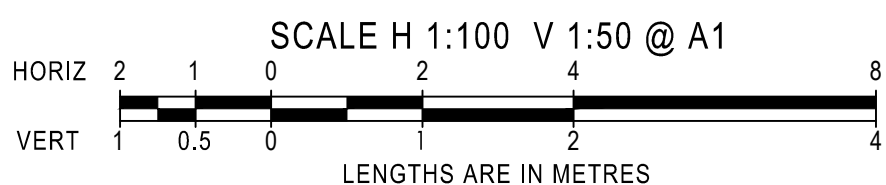
- ES LEFT TITLE BOUNDARY
- DESIGN CENTRELINE
- LIP OF KERB
- ES RIGHT TITLE BOUNDARY
- ES CENTRELINE

LEGEND:

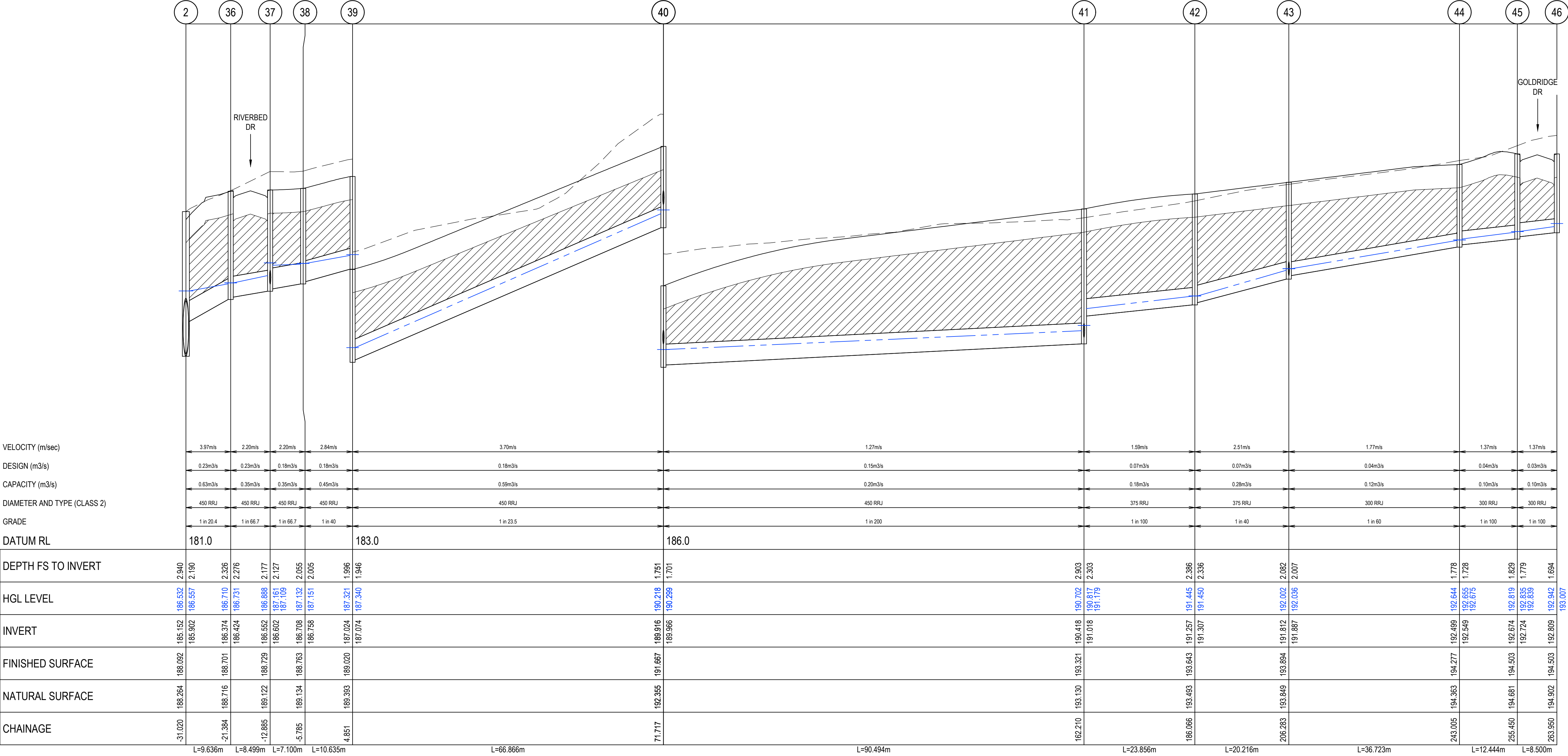
- EXISTING SURFACE LEVEL
- DESIGN CENTRELINE
- TYPE A SELECTED MATERIAL FILL, LEVEL 1 SUPERVISION REQUIRED

BEEHIVE LANE
CROSS SECTIONS

SCALE A1 - 1:100H 1:50V

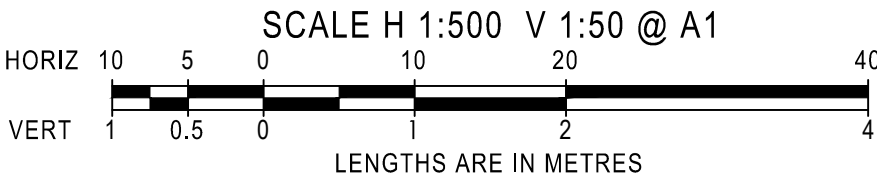


AMENDMENTS		bpd breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF.		SURVEY B.P.D.		MUNICIPALITY WHITTLESEA	
DESIGN B.P.D.		DRAWN M.T.		REFERENCE 9365 E/19	
A 20/07/23 ISSUE FOR CONSTRUCTION		CHECKED R.G.W.		BEEHIVE LANE LONGITUDINAL & CROSS SECTIONS	
VER DATE REMARKS		SCALE AS SHOWN DATUM AHD		DATE July 23 SHEET 14 OF 20 A	



DRAINAGE LONGITUDINAL SECTIONS

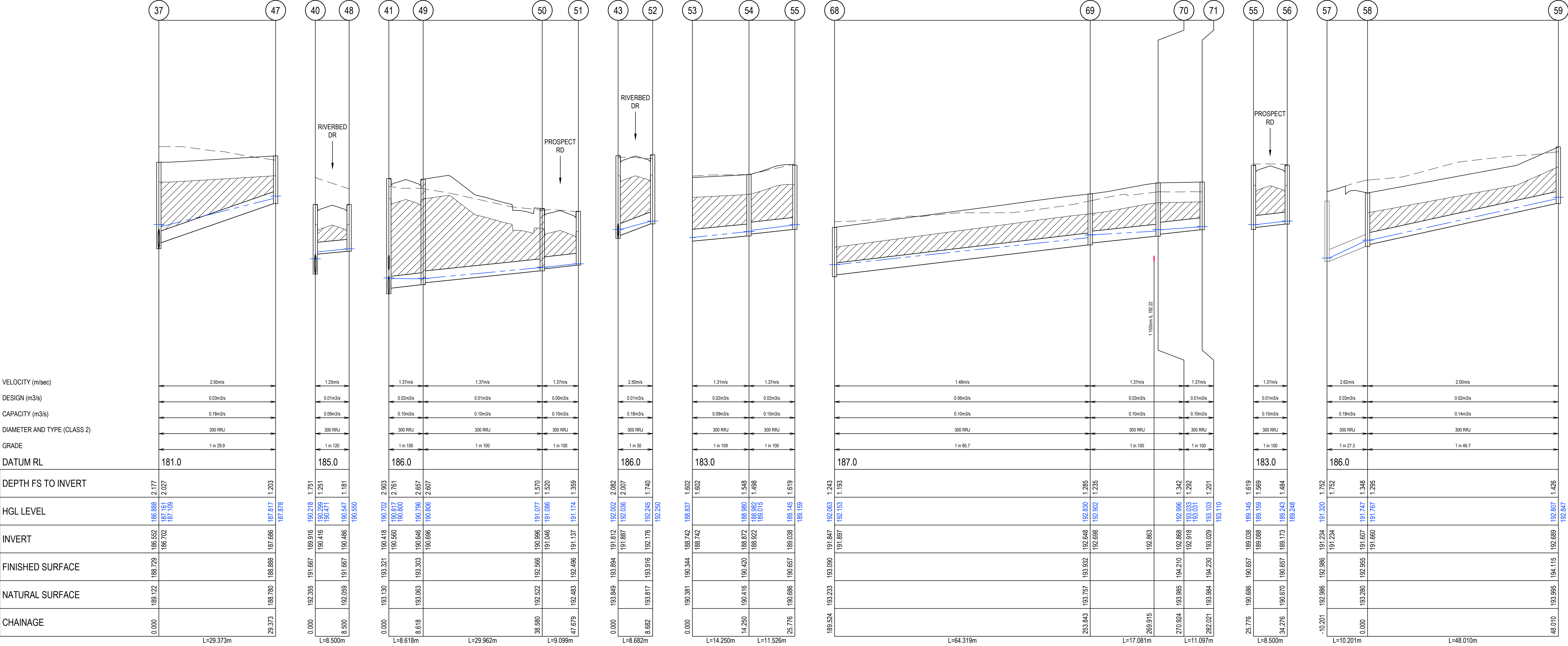
SCALE A1 - 1:500H 1:50V



LEGEND:

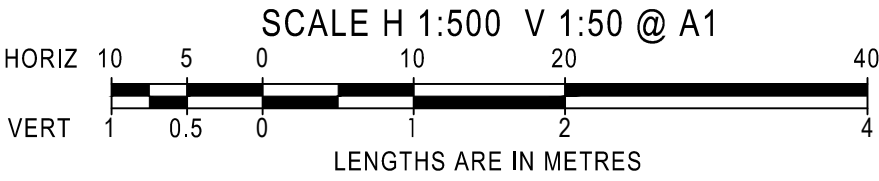
- INDICATES CRUSHED ROCK BACKFILL
- INDICATES 5 YEAR HGL
- INDICATES 10 YEAR HGL

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 19 DRAINAGE LONGITUDINAL SECTIONS - SHEET 2			MUNICIPALITY				
				SURVEY	B.P.D.				MACEDON RANGES				
				DESIGN	B.P.D.				REFERENCE				
A	20/07/23	ISSUE FOR CONSTRUCTION	DRAWN	M.T.	9987 ^E /15								
VER	DATE	REMARKS	CHECKED	J.TALBOT	SCALE	AS SHOWN	DATUM	AHD	DATE	July 23	SHEET	16 OF 20	A



DRAINAGE LONGITUDINAL SECTIONS

SCALE A1 - 1:500H 1:50V



LEGEND:

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

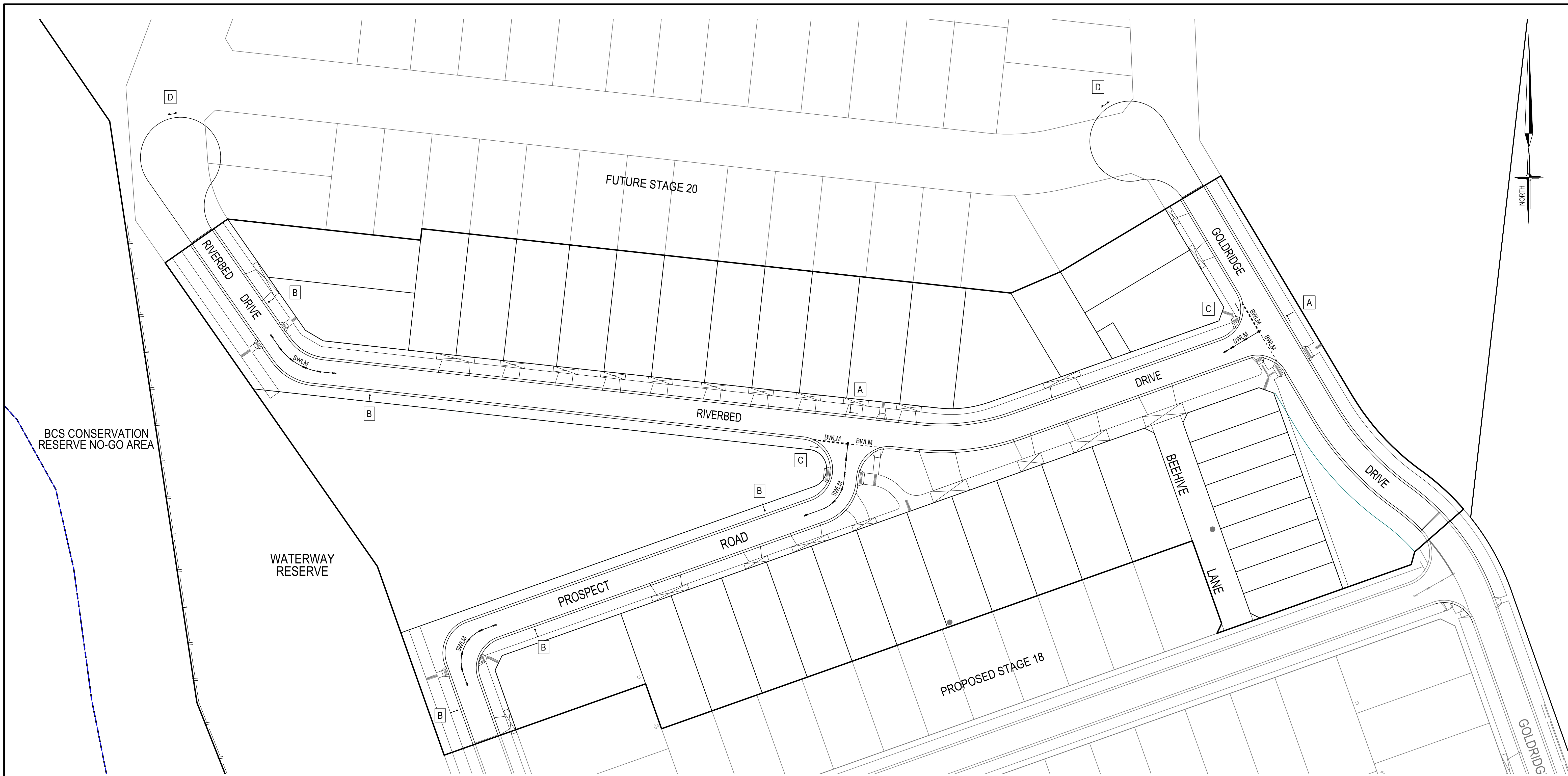
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
				MELWAY REF. 678-H8	RATHDOWNE ESTATE STAGE 19 DRAINAGE LONGITUDINAL SECTIONS - SHEET 3				MUNICIPALITY		
				SURVEY B.P.D.					MACEDON RANGES		
				DESIGN B.P.D.					REFERENCE		
	A	20/07/23	ISSUE FOR CONSTRUCTION	DRAWN M.T.					9987 ^E /15		
VER	DATE	REMARKS	CHECKED J.TALBOT	SCALE AS SHOWN	DATUM AHD	DATE July 23	SHEET 17 OF 20	A			

PIT SCHEDULE										
PIT No.	PIT DESCRIPTION	LENGTH	WIDTH	INLET		OUTLET		TOP	DEPTH	REMARKS
				INVERT	DIA	INVERT	DIA	PIT RL	INVERT	
1	END WALL	1500	900	185.1	1200			186.3	1.2	
2	JUNCTION PIT	1500	900	185.202	1200	185.152	1200	188.092	2.94	EDCM STD DWG 605 (HAUNCHED)
				185.902	450			188.092	2.94	
3	TP			185.237	1200	185.237	1200	188.69	3.453	
4	TP			185.256	1200	185.256	1200	188.796	3.54	
5	JUNCTION PIT	1500	900	185.327	1200	185.277	1200	188.843	3.566	EDCM STD DWG 605 (HAUNCHED)
36	SIDE ENTRY PIT (DOUBLE SIDED)	900	900	186.424	450	186.374	450	188.701	2.326	EDCM STD DWG 602 & 607 (HAUNCHED)
37	SIDE ENTRY PIT (DOUBLE SIDED)	900	900	186.602	450	186.552	450	188.729	2.177	EDCM STD DWG 602 & 607 (HAUNCHED)
				186.702	300			188.729	2.177	
38	JUNCTION PIT	900	900	186.758	450	186.708	450	188.763	2.055	EDCM STD DWG 605 (HAUNCHED)
39	JUNCTION PIT	900	900	187.074	450	187.024	450	189.02	1.996	EDCM STD DWG 605 (HAUNCHED)
40	SIDE ENTRY PIT	900	900	189.966	450	189.916	450	191.667	1.751	EDCM STD DWG 601 (HAUNCHED)
				190.416	300			191.667	1.751	
41	JUNCTION PIT	900	600	191.018	375	190.418	450	193.321	2.903	EDCM STD DWG 605
				190.56	300			193.321	2.903	
42	JUNCTION PIT	900	600	191.307	375	191.257	375	193.643	2.386	EDCM STD DWG 605
43	SIDE ENTRY PIT	900	600	191.887	300	191.812	375	193.894	2.082	EDCM STD DWG 601
				191.887	300			193.894	2.082	
44	JUNCTION PIT	900	600	192.549	300	192.499	300	194.277	1.778	EDCM STD DWG 605
45	SIDE ENTRY PIT	900	600	192.724	300	192.674	300	194.503	1.829	EDCM STD DWG 601
46	SIDE ENTRY PIT	900	600			192.809	300	194.503	1.694	EDCM STD DWG 601
47	JUNCTION PIT	900	600			187.686	300	188.888	1.203	EDCM STD DWG 605
48	SIDE ENTRY PIT	900	600			190.486	300	191.667	1.181	EDCM STD DWG 601
49	SIDE ENTRY PIT	900	600	190.696	300	190.646	300	193.303	2.657	EDCM STD DWG 601
50	SIDE ENTRY PIT	900	600	191.046	300	190.996	300	192.566	1.57	EDCM STD DWG 601
51	SIDE ENTRY PIT	900	600			191.137	300	192.496	1.359	EDCM STD DWG 601
52	SIDE ENTRY PIT	900	600			192.176	300	193.916	1.74	EDCM STD DWG 601
53	ENDPIPE			188.742	300			190.344	1.602	CONNECT TO EXISTING END PIPE
54	JUNCTION PIT	900	600	188.922	300	188.872	300	190.42	1.548	EDCM STD DWG 605
55	SIDE ENTRY PIT	900	600	189.088	300	189.038	300	190.657	1.619	EDCM STD DWG 601
56	SIDE ENTRY PIT	900	600			189.173	300	190.657	1.484	EDCM STD DWG 601
57	JUNCTION PIT	900	600	191.234	300			192.753	1.519	EDCM STD DWG 605
58	GRATED ENTRY PIT	900	600	191.66	300	191.607	300	192.955	1.348	CONNECT TO EXISTING END PIPE. EDCM STD DWG 603
59	GRATED ENTRY PIT	900	600			192.689	300	194.115	1.426	EDCM STD DWG 603
60	JUNCTION PIT	900	600	192.02	300			194.002	1.982	EDCM STD DWG 605
61	SIDE ENTRY PIT	900	600	192.4	300	192.35	300	194.106	1.756	EDCM STD DWG 601
62	SIDE ENTRY PIT	900	600			192.486	300	194.104	1.619	EDCM STD DWG 601
63	JUNCTION PIT	900	600	187.135	450	187.085	450	189.078	1.993	EDCM STD DWG 605
64	SIDE ENTRY PIT	900	600	187.314	450	187.264	450	189.044	1.78	EDCM STD DWG 601
				187.414	300			189.044	1.78	
65	SIDE ENTRY PIT	900	600	187.741	375	187.666	450	190.176	2.509	EDCM STD DWG 601
				187.816	300			190.176	2.509	
				188.3	375			190.176	2.509	
66	JUNCTION PIT	900	600	188.202	300	188.127	375	189.671	1.544	EDCM STD DWG 605
67	JUNCTION PIT	900	600	190.896	300	190.846	300	192.077	1.231	EDCM STD DWG 605
68	JUNCTION PIT	900	600	191.897	300	191.847	300	193.09	1.243	EDCM STD DWG 605
69	JUNCTION PIT	900	600	192.698	300	192.648	300	193.932	1.285	EDCM STD DWG 605
70	JUNCTION PIT	900	600	192.918	300	192.868	300	194.21	1.342	EDCM STD DWG 605
71	JUNCTION PIT	900	600			193.029	300	194.23	1.201	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

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 19 DRAINAGE PIT SCHEDULE			MUNICIPALITY					
			SURVEY	B.P.D.				WHITTLESEA					
			DESIGN	B.P.D.				REFERENCE					
			DRAWN	M.T.				9365 ^E /19					
A	20/07/23	ISSUE FOR CONSTRUCTION											
VER	DATE	REMARKS	CHECKED	R.GOULD-WILLIAMS	SCALE	AS SHOWN	DATUM	AHD	DATE	July 23	SHEET	19 OF 20	A



LEGEND - SIGNAGE

- A** STREET SIGNS

B TURN SIGNS (W1-1AL & W1-1AR) - CLASS 1
WITH 20km/h SPEED ADVISORY SIGN (W8-2A)



C  GIVE WAY SIGN - CLASS 1

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

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

PLAN

SCALE A1 - 1 : 500

LENGTHS ARE IN METRES



SCALE 1 : 500 (A1)

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.	-	RATHDOWNNE ESTATE STAGE 19 SIGNAGE & LINEMARKING PLAN				MUNICIPALITY		WHITTLESEA		
			SURVEY	B.P.D.					REFERENCE		9365 ^E /19		
			DESIGN	B.P.D.									
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VER	DATE	REMARKS	CHECKED	R.GOULD-WILLIAMS	SCALE	AS SHOWN	DATUM	AHD	DATE	July 23	SHEET	20 OF 20	A