

HERITAGE PLACE - STAGE 9

BUILDCAP HERITAGE PTY LTD

LATROBE CITY COUNCIL

DRAWING INDEX		
DRAWING No.	TITLE	REVISION
2201033-09-001	COVER SHEET	E
2201033-09-002	TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKEUP & GENERAL DETAILS	E
2201033-09-010	LAYOUT PLAN	E
2201033-09-012	PAD LAYOUT PLAN	E
2201033-09-100	ROAD LONGITUDINAL SECTIONS WASHINGTON WAY	E
2201033-09-101	ROAD LONGITUDINAL SECTIONS SHEFFIELD STREET	E
2201033-09-102	ROAD LONGITUDINAL SECTIONS DARLINGTON AVENUE	E
2201033-09-103	ROAD LONGITUDINAL SECTIONS WHITBY AVENUE	E
2201033-09-200	ROAD CROSS SECTIONS WASHINGTON WAY (SHEET 1 OF 2)	E
2201033-09-201	ROAD CROSS SECTIONS WASHINGTON WAY (SHEET 2 OF 2)	E
2201033-09-202	ROAD CROSS SECTIONS SHEFFIELD STREET	E
2201033-09-203	ROAD CROSS SECTIONS DARLINGTON AVENUE	E
2201033-09-204	ROAD CROSS SECTIONS WHITBY AVENUE	E
2201033-09-300	INTERSECTION DETAILS	E
2201033-09-350	SIGNAGE & LINE MARKING PLANS	E
2201033-09-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)	E
2201033-09-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2) PIT SCHEDULE & PIT DETAILS	E

ROAD LAYOUT TABLE									
Road Name	Road Classification	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
			Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
WASHINGTON WAY	COLLECTOR ROAD	20.60	11.00	11.60	12.20	SM2 - M	SM2 - M	4.50	4.50
WHITBY AVENUE	ACCESS STREET	16.00	6.40	7.00	7.60	SM2 - M	SM2 - M	4.50	4.50
SHEFFIELD STREET	ACCESS STREET	17.00	6.40	7.00	7.60	SM2 - M	SM2 - M	5.00	5.00
DARLINGTON AVENUE	ACCESS STREET	16.00	6.40	7.00	7.60	SM2 - M	SM2 - M	4.50	4.50

SERVICES/TREE OFFSET SCHEDULE									
ROAD NAME	GAS		WATER		ELECTRICITY		NBN		SEWER
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE OFFSET (m)
WASHINGTON WAY	-	-	WEST	2.60	EAST	2.50	EAST	2.00	WEST 1.00
WHITBY AVENUE	-	-	NORTH	2.10	SOUTH	2.50	SOUTH	2.00	-
SHEFFIELD STREET	-	-	EAST/WEST	2.10/3.00	WEST	2.40	WEST	2.00	-
DARLINGTON AVENUE	-	-	SOUTH	2.60	NORTH	2.50	NORTH	2.00	NORTH 1.00

TBM/PSM SCHEDULE				
TBM	EASTING	NORTHING	LEVEL	TYPE
BW18	448135.097	5769115.168	75.724	RIVET
BW24	448232.043	5769166.360	77.136	RIVET
BW25	448173.013	5769084.061	74.854	RIVET
BW28	448245.130	5769240.281	78.210	RIVET
PM	448404.121	5769230.921	81.420	PSM

CONSTRUCTION NOTES

SITE MANAGEMENT

- A1. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & 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.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from Latrobe City Council.
- A3. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.
- A4. All plan dimensions are in meters unless otherwise noted.
- A5. Levels are to A.H.D. and horizontal co-ordinates are to MGA Zone 55. A Scale factor has been applied to the coordinates to convert to planar coordinates (Contact Beveridge Williams for original survey/planar scaling).

GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the Infrastructure Design Manual current specification & standard drawings & to the satisfaction of the Latrobe City Council works supervisor.
- B2. Council to be notified two (2) clear days prior to commencement of works.
- B3. Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1, Division 4 of the Occupational Health & Safety regulations (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- B4. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- B5. Reserves to be free draining & to be left in a condition satisfactory to the Latrobe City works supervisor.
- B6. Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the commencement of works.
- B7. All TBM's & control points are to be maintained & protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-installment at the contractors expense.

ROADWORKS

- C1. 1000 agricultural pipe drains (IDM SD 145) to be placed under all kerb & channel.
- C2. Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798-2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798-2007 Section 8.2. A fill report must be submitted to the Consultant, showing from a NATA registered soil testing laboratory.
- C3. Importing Fill:- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.
- C4. Structural fill under roads to be compacted in maximum 200mm thick layers in accordance with AS3798-2207 to:
 - 98% SMDD (where within 300mm of subgrade level), and
 - 95% SMDD (where greater than 300mm below subgrade level).
- C5. Batters to be 1 in 6 for fill & 1 in 6 for cut unless noted otherwise.
- C6. Cut batters are to be grassed.
- C7. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.
- C8. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- C9. 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 & ensure that the concreter marks the kerb & footpath exactly above the conduit.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the IDM standard drawing SD 205.

- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current Latrobe City Council standards including logo.
- C14. 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.
- C15. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- C16. Tactile ground surface indicators (TGSi) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 : 2002

DRAINAGE

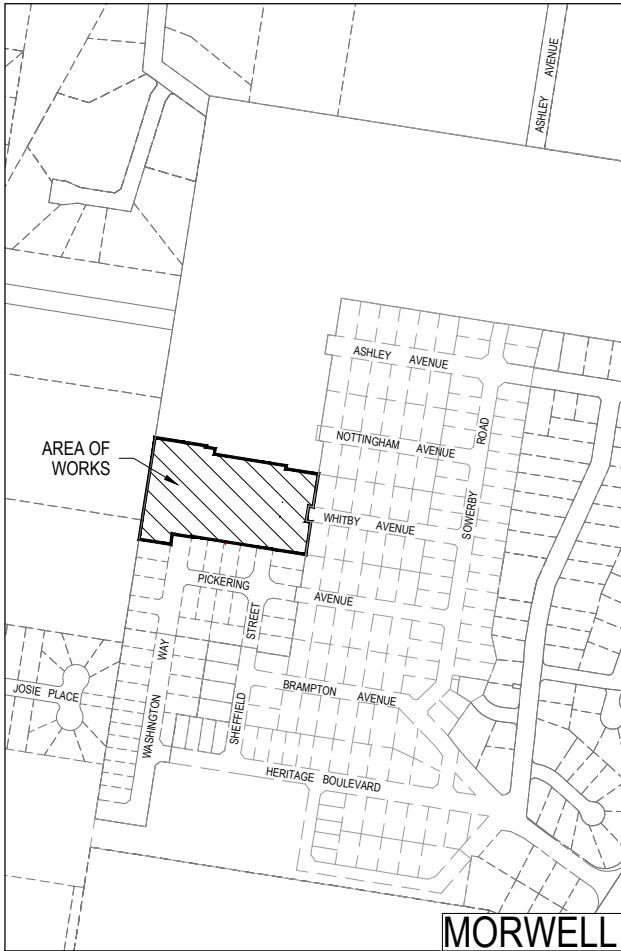
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.
- D2. Light weight fibreglass lids (or equivalent) are required for all drainage pits, except pits subject to traffic loads where lids & grates are to be Class D, to comply with AS3996 unless otherwise shown.
- D3. All drainage works are to be constructed to council specifications.
- D4. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.
- D5. All pipes to be Class 2" R.C. rubber ring joint unless noted otherwise.
- D6. For non-concrete pipes all bedding, laying, jointing and backfilling is to be in accordance with manufacturer's specifications.
- D7. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers compacted to no less than 98% MMDD.
- D8. Property inlets to be constructed as per IDM standard drawing SD 515, SD 516 & SD 520. Unless noted otherwise, property inlet located 1.00m off side boundary.
- D9. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.
- D10. No drainage pipes shall enter pits through corners of the structure. Provide 50mm clear separation between outside of pipe and corner of pit walls.
- D11. No step irons to be installed in drainage structures.
- D12. Prior to asphalt application, the contractor shall arrange for CCTV inspection and verification of the underground drainage network in accordance with IDM Clause 7.9.

PAVEMENT

- E1. Modification of the pavement requires approval by the Latrobe City Councils works supervisor.

CONSTRUCTION HOLD POINTS

- F1. Hold points for Council inspections shall be as follows:
 - Pre-start for civil works;
 - Pre-start for landscaping works;
 - At proof rolling of subgrade;
 - Prior to placement of GPT's, litter traps, precast pump stations;
 - Prior to covers being placed in pits;
 - Prior to placement of kerb & channel;
 - Prior to placement of each pavement course;
 - Prior to pouring footpath and other concrete works;
 - Prior to the placement of the pavement primer coat;
 - Prior to the placement of the first asphalt course OR sealing;
 - Prior to planting out wetlands;
 - Prior to any vegetation removal, and
 - Prior to landscape planting.



SITE PLAN

NOT TO SCALE

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	J.W.	P.I.					
D	DRAWING INDEX UPDATED	14.10.25	D.Z.	P.I.					
C	DWGS, 010, 012, 300 & 350 UPDATED	08.04.25	G.N.	P.I.					
B	LOT CONFIGURATION UPDATED	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

PLANNING PERMIT NO. 2011/116/C

Designed Date	W. ONG 25.10.2024
Drawn	M.F. JAURIGUE
Checked Date	J. WHITE 28.10.2024
Approved Rag. No. Date	P. IVKOVIC PE0012005 28.10.2024
PS Number	PS917242N

**Beveridge Williams**

Development & Infrastructure Consultants

Suite 1/71 Victoria Street
Warragul VIC 3820

ph: 03 5623 2257
www.beveridgewilliams.com.au

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	COVER SHEET

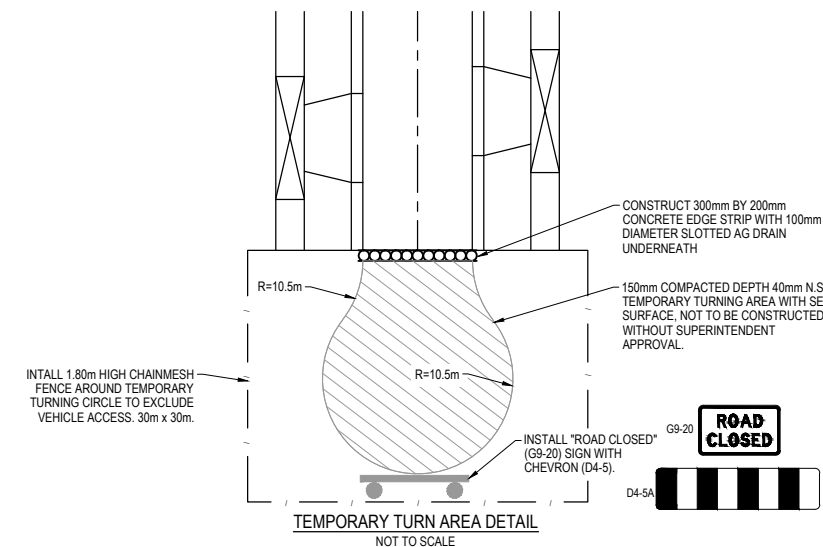
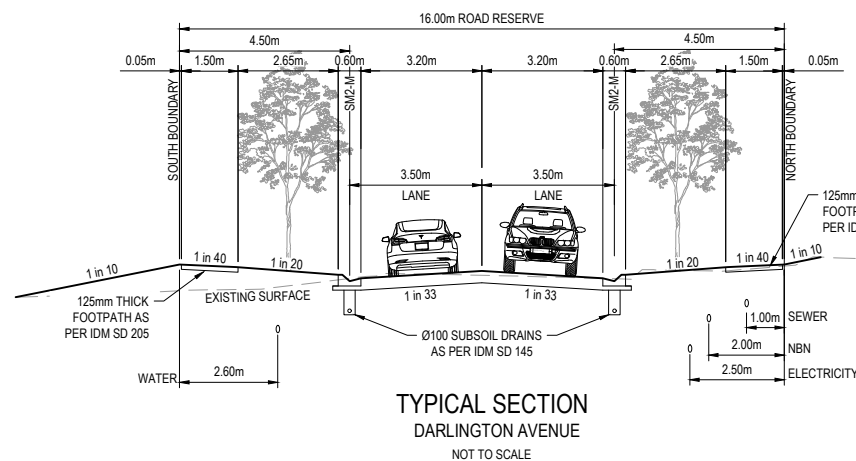
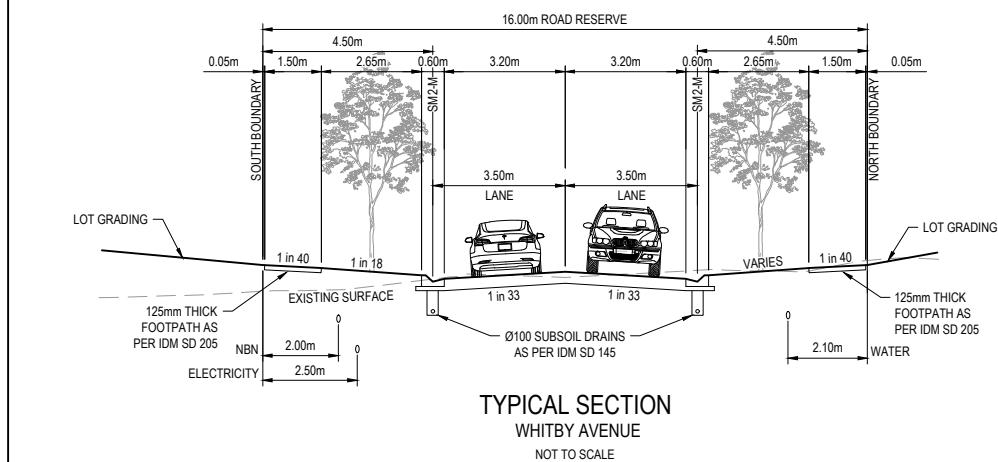
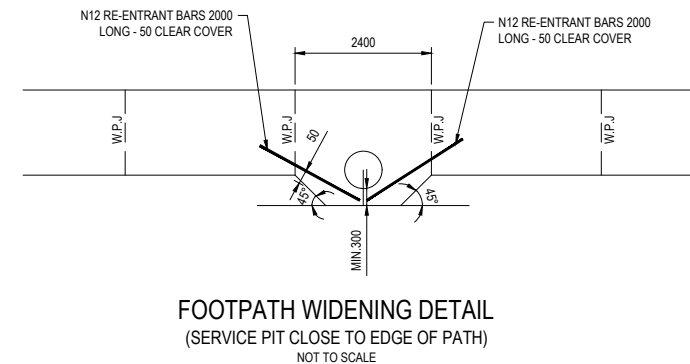
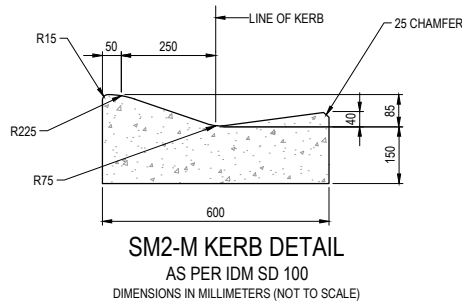
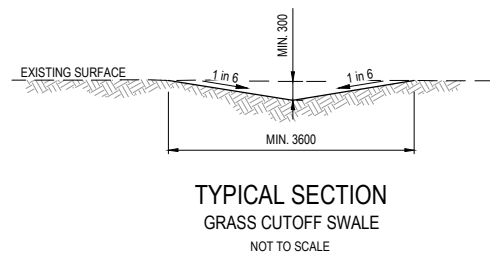
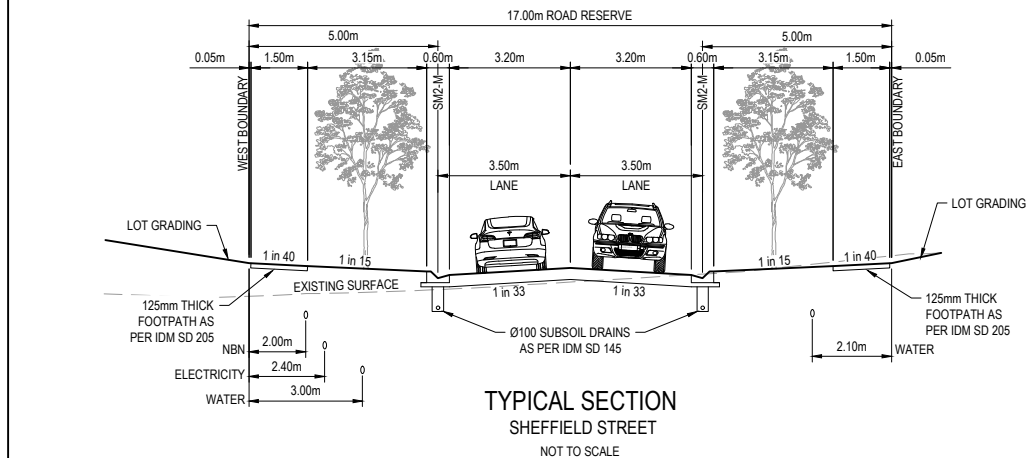
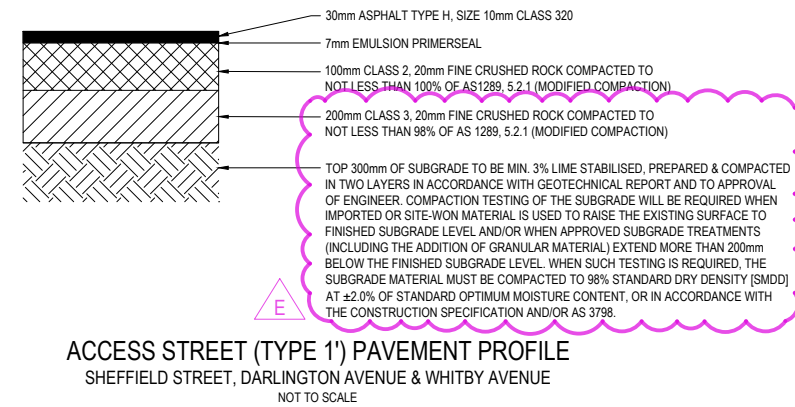
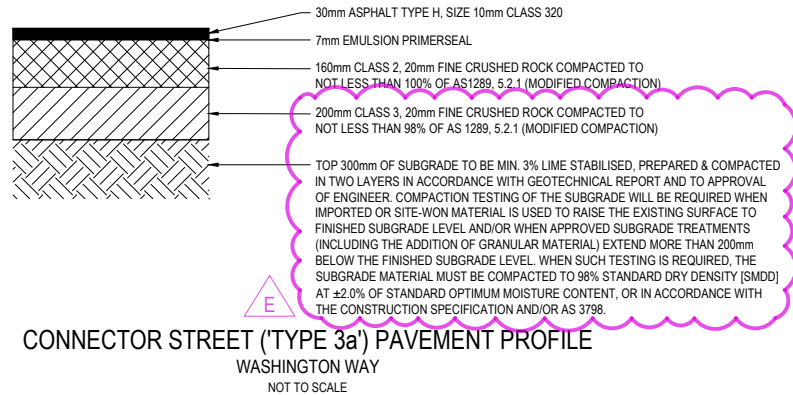
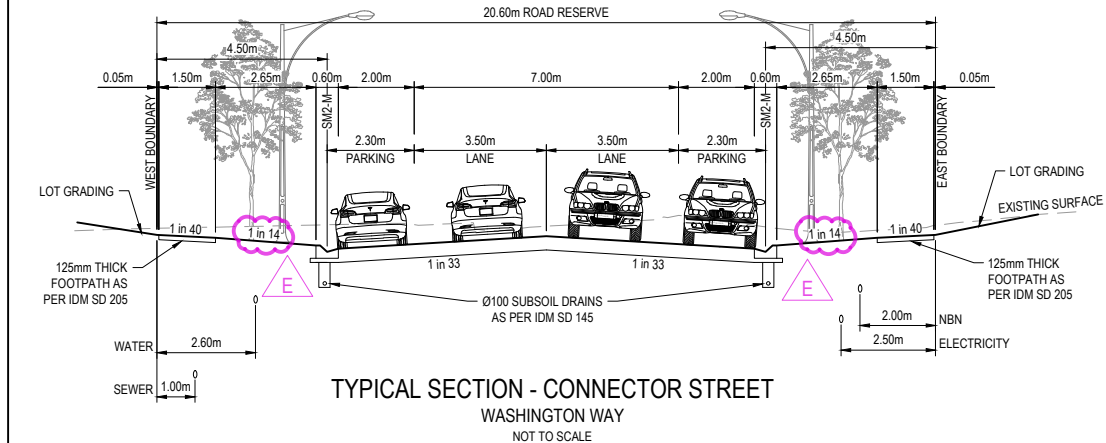
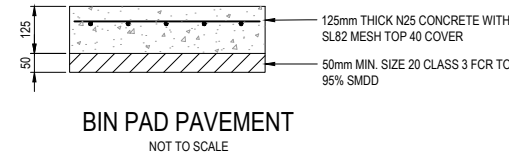
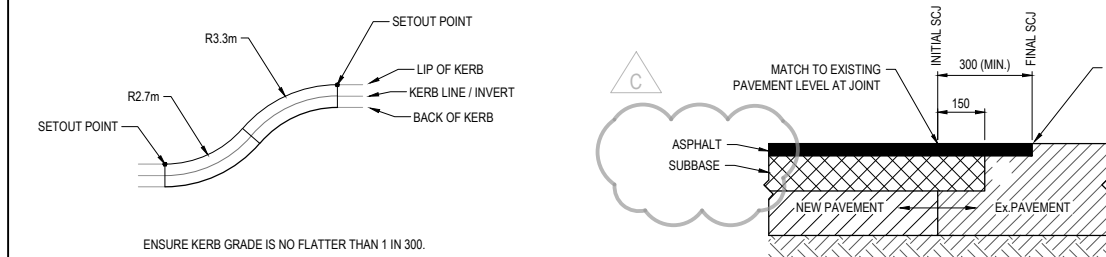
Sheet 1 of 17

Scale
NOT TO SCALE

Project Ref Stage No Drawing No Rev

2201033 09 001 E

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-001-COV.dwg



PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted					
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	J.W.	P.I.	
-					
C	NOTATION AMENDMENT	08.04.25	G.N.	P.I.	
B	LOT CONFIGURATION UPDATED	09.01.24	M.F.J.	P.I.	
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.	
REV	DESCRIPTION	DATE	DRN.	APP.	REV

PLANNING PERMIT NO. 2011/116/C

Designed	W. ONG
Date	25.10.2024
Drawn	M.F. JAURIGUE
Checked	J. WHITE
Date	28.10.2024
Approved	P. IVKOVIC
Reg. No.	PE012005
Date	28.10.2024
PS Number	PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

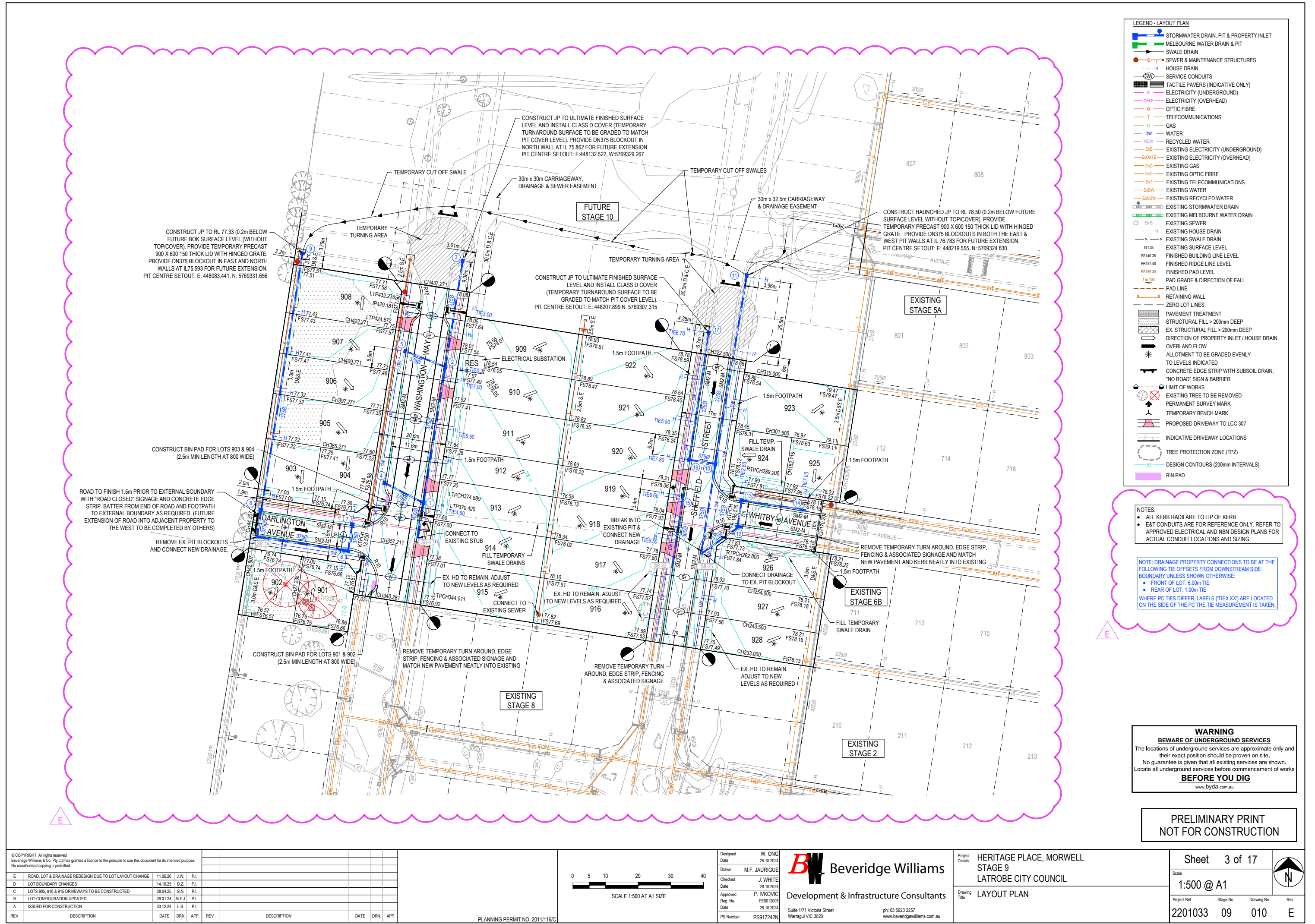
Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKEUP & GENERAL DETAILS

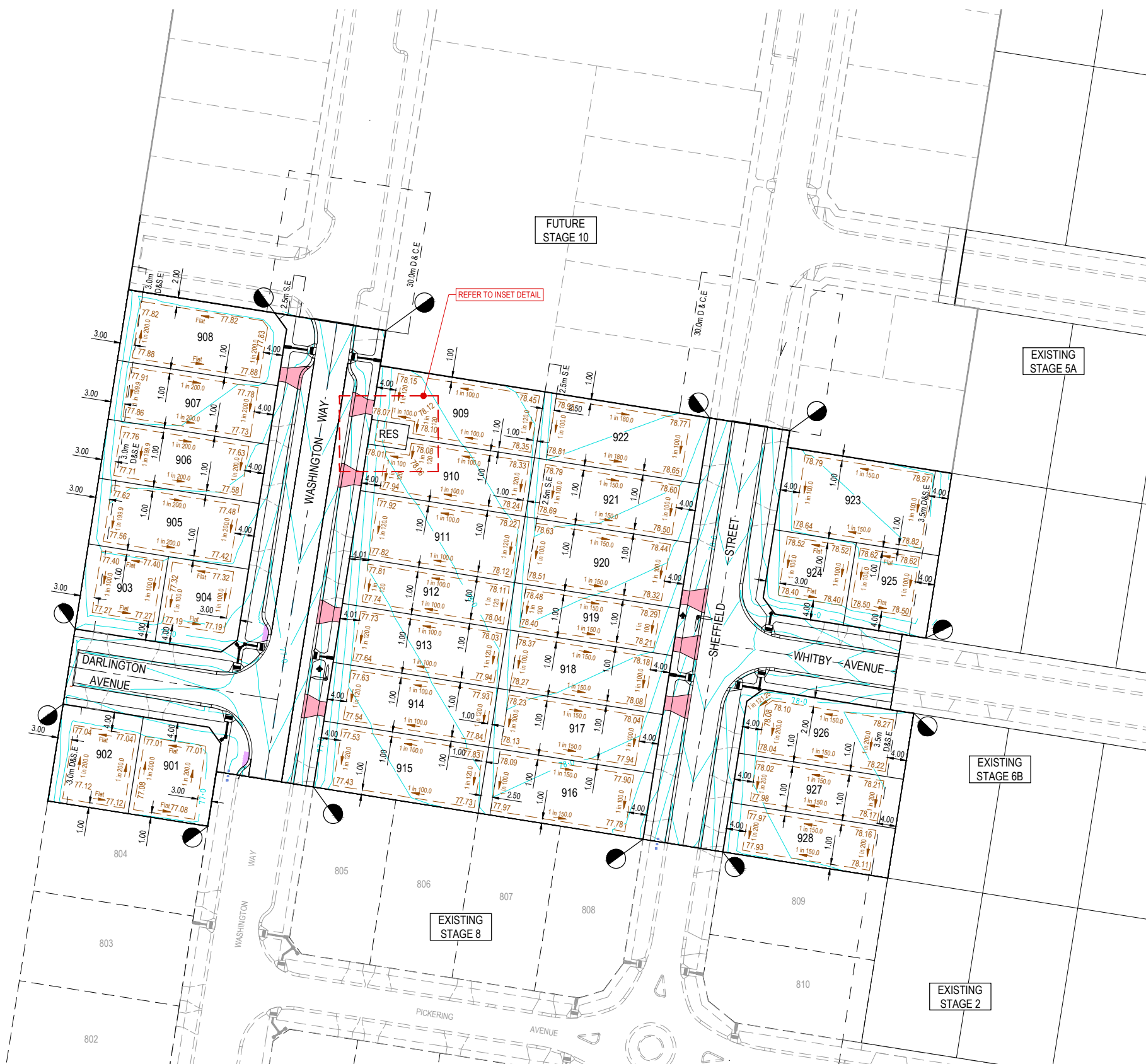
Sheet 2 of 17

Scale
AS SHOWN

Project Ref	Stage No	Drawing No	Rev
2201033	09	002	E

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-002-DET.dwg

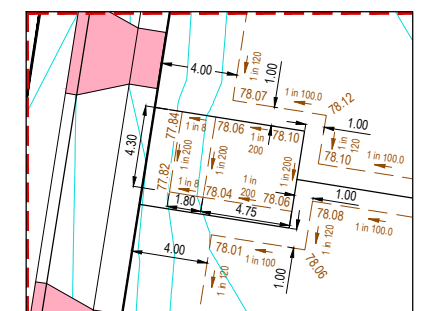




LEGEND - LAYOUT PLAN

- | | |
|---|---|
| FS159-30 | FINISHED PAD LEVEL |
| 1 in 100 | PAD GRADE & DIRECTION OF FALL |
|  | PAD LINE |
|  | CONCRETE EDGE STRIP WITH SUBSOIL DRAIN,
"NO ROAD" SIGN & BARRIER |
|  | LIMIT OF WORKS |
|  | PROPOSED DRIVEWAY |
|  | INDICATIVE DRIVEWAY LOCATIONS |
|  | DESIGN CONTOURS (200mm INTERVALS) |

NOTE: PAD LINES SHOWN ARE DESIGN EARTHWORKS PADS
AND DO NOT REPRESENT BUILDING ENVELOPES.



INSET DETAIL
(SUBSTATION RESERVE)
SCALE 1:200



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.
Locate all underground services before commencement of works
BEFORE YOU DIG
www.bvda.com.au

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

[illegible][illegible]

PLANNING PERMIT NO. 2011/116/C



Designed Date	W. ONG 25.10.2024
Drawn Date	M.F. JAURIGUE 28.10.2024
Checked Date	J. WHITE 28.10.2024
Approved Reg. No. Date	P. IVKOVIC PE0012005 28.10.2024
PS Number	PS917242N

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	PAD LAYOUT PLAN

Sheet 4 of 17

Scale
1:500 @ A1

Project Ref	Stage No	Drawing No	Rev
2201033	09	012	E

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-012-PAD.dwg

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB

VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL73

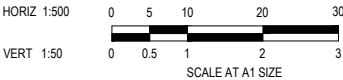
DESIGN CENTRELINE	75.902 75.906	76.040	76.242	76.292	76.300	76.332	76.549	76.592	76.657	76.741	76.769	76.780	76.912	77.044	77.089	77.112	77.312	77.437	77.562	77.586	77.631	77.662	77.712		78.044	78.175	78.259	78.282	78.453
RIGHT LIP OF KERB						76.216	76.382	76.432	76.657	76.741	76.603	76.613	76.745	76.877	76.922	77.006	77.146	77.271	77.396	77.420	77.525	77.556	77.606		77.862	77.993	78.163	78.176	78.347
EXISTING SURFACE AT RIGHT BOUNDARY									77.123	77.123	77.112	77.192	77.440	77.650	77.709	77.805	77.886	77.934	78.014	78.024	78.043	78.057	78.078						
LEFT LIP OF KERB	75.736 75.739	75.874	76.076	76.115	76.133	76.216	76.382	76.432	76.657	76.741	76.657	76.674	76.806	76.938	76.935	77.006	77.146	77.271	77.396	77.420	77.525	77.556	77.606		77.938	78.069	78.163	78.176	78.347
EXISTING SURFACE AT LEFT BOUNDARY									77.017	77.028	77.071	77.088		77.463	77.516	77.602	77.711	77.733	77.746	77.747	77.747	77.747	77.709						
EXISTING SURFACE	76.568 76.590	76.307	76.498	76.548	76.571	76.722	76.908	76.963	77.064	77.076	77.118	77.135	77.259	77.525	77.625	77.703	77.807	77.862	77.880	77.879	77.887	77.899	77.917		79.309	79.670	78.015	78.239	78.409
CHAINAGE	290.281 290.461	297.281	307.512	309.561	310.481	315.000	325.233	328.661	339.644	340.281	342.953	344.011	357.211	370.420	374.889	383.271	397.271	409.771	422.271	424.672	428.181	432.235	437.271		470.404	486.404	500.404	503.126	537.271

WASHINGTON WAY LONGITUDINAL SECTION

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. Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	L.S.	P.I.					
-									
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed
Date
Drawn
Checked
Date
Approved
Reg. No.
Date
PS Number

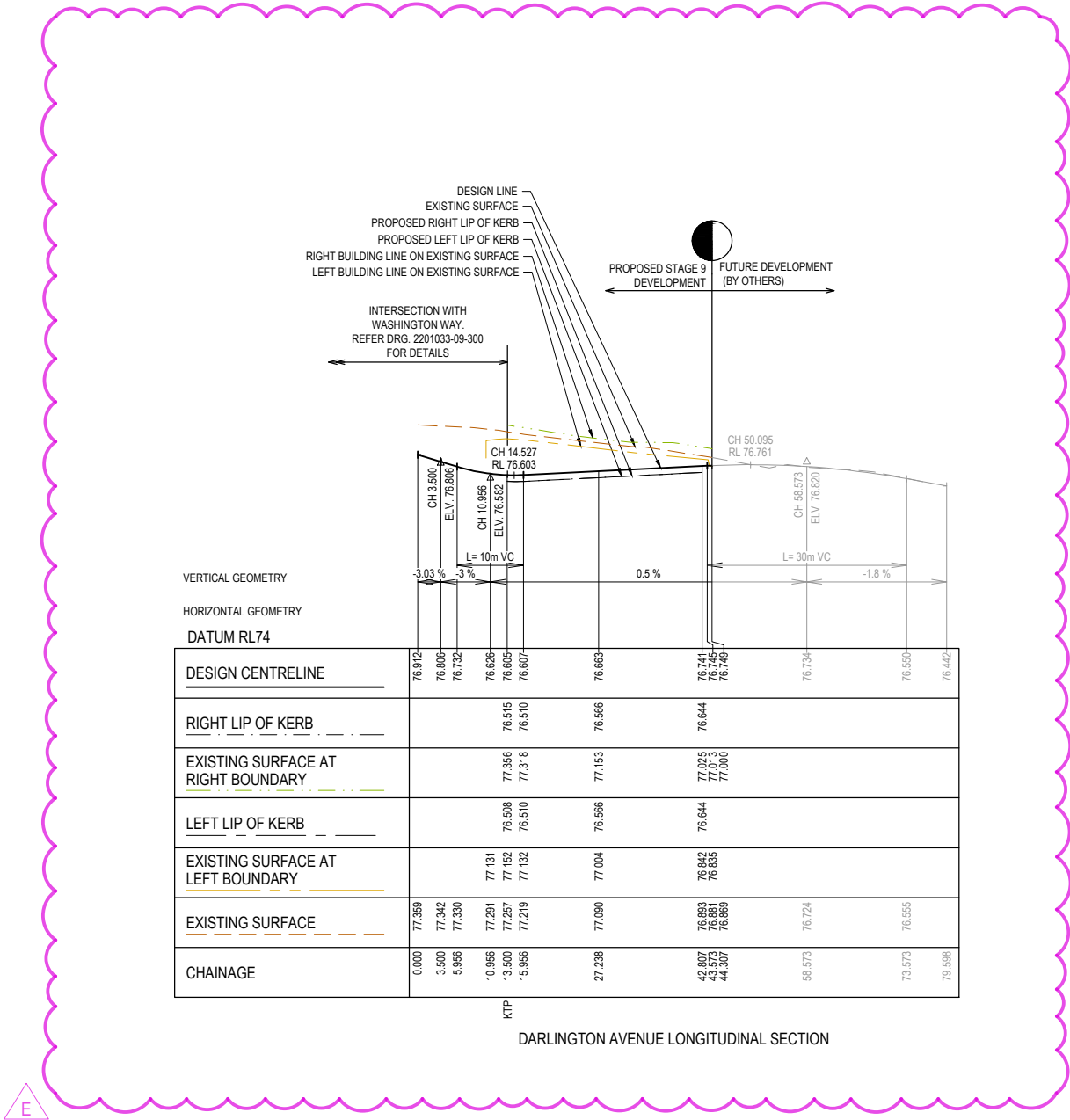
W. ONG
25.10.2024
M.F. JAURIGUE
J. WHITE
28.10.2024
P. IVKOVIC
PE012005
28.10.2024
PS917242N

Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

Project Details
HERITAGE PLACE, MORWELL
STAGE 9
LATROBE CITY COUNCIL
Drawing Title
ROAD LONGITUDINAL SECTIONS
WASHINGTON WAY

Sheet	5 of 17
Scale	1:500 H 1:50 V @ A1
Project Ref	2201033
Stage No	09
Drawing No	100
Rev	E

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



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.
 Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	L.S.	P.I.					
-									
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

HORIZ 1:500

0 5 10 20 30

VERT 1:50

0 0.5 1 2 3

SCALE AT A1 SIZE

Designed
 Date
 Drawn
 Checked
 Date
 Approved
 Reg. No.
 Date
 PS Number

W. ONG
 25.10.2024
 M.F. JAURIGUE
 J. WHITE
 28.10.2024
 P. IVKOVIC
 PE0012005
 28.10.2024
 PS917242N

Beveridge Williams
 Development & Infrastructure Consultants

Suite 1/71 Victoria Street
 Warragul VIC 3820
 ph: 03 5623 2257
www.beveridgewilliams.com.au

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	ROAD LONGITUDINAL SECTIONS DARLINGTON AVENUE

Sheet		7 of 17	
Scale			
1:500 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
2201033	09	102	E

C:\120WS\data\MEL\SQL01\Eng - 09_981\Drawings\2201033-09-100-RLS.dwg

VERTICAL GEOMETRY

HORIZONTAL GEOMETRY

DATUM RL75

	65.208	98.715	144.850	156.360	161.360	165.208	166.360	170.208	173.161	182.715	192.388	195.515	197.388	202.388	205.515	208.715
DESIGN CENTRELINE	79.924	79.222	78.405	78.224	78.141	77.987	77.971	78.016	77.976	77.798	77.618	77.573	77.573	77.625	77.688	77.785
RIGHT LIP OF KERB	79.827	79.125	78.328	78.127	78.045	77.987	77.971	77.919	77.879	77.701	77.523	77.507	77.506	77.551	77.605	77.743
EXISTING SURFACE AT RIGHT BOUNDARY								78.171	78.169	77.925	77.976	78.065	78.059			
LEFT LIP OF KERB	79.827	79.125	78.328	78.127	78.045	77.987	77.971	77.919	77.879	77.701	77.523	77.506	77.506	77.551	77.605	77.743
EXISTING SURFACE AT LEFT BOUNDARY						78.214	78.210	78.153	78.109	77.893	77.822	77.848	77.848	77.511	77.527	77.543
EXISTING SURFACE								78.018	77.978	77.864	77.673	77.639	77.605			
CHAINAGE	65.208	98.715	144.850	156.360	161.360	165.208	166.360	170.208	173.161	182.715	192.388	195.515	197.388	202.388	205.515	208.715

KTP

WHITBY AVENUE LONGITUDINAL SECTION

WHITBY AVENUE LONGITUDINAL SECTION

E

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

[illegible]

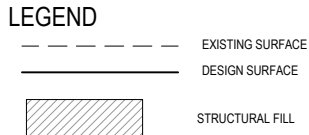
Designed	W. ONG	 Beveridge Williams Development & Infrastructure Consultants
Date	25.10.2024	
Drawn	M.F. JAURIGUE	
Checked	J. WHITE	
Date	28.10.2024	
Approved	P. IVKOVIC	
Reg. No.	PE0012005	
Date	28.10.2024	
PS Number	PS917242N	Suite 17/1 Victoria Street Warragul VIC 3820 ph: 03 5623 2257 www.beveridgewilliams.com.au

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	ROAD LONGITUDINAL SECTIONS WHITBY AVENUE

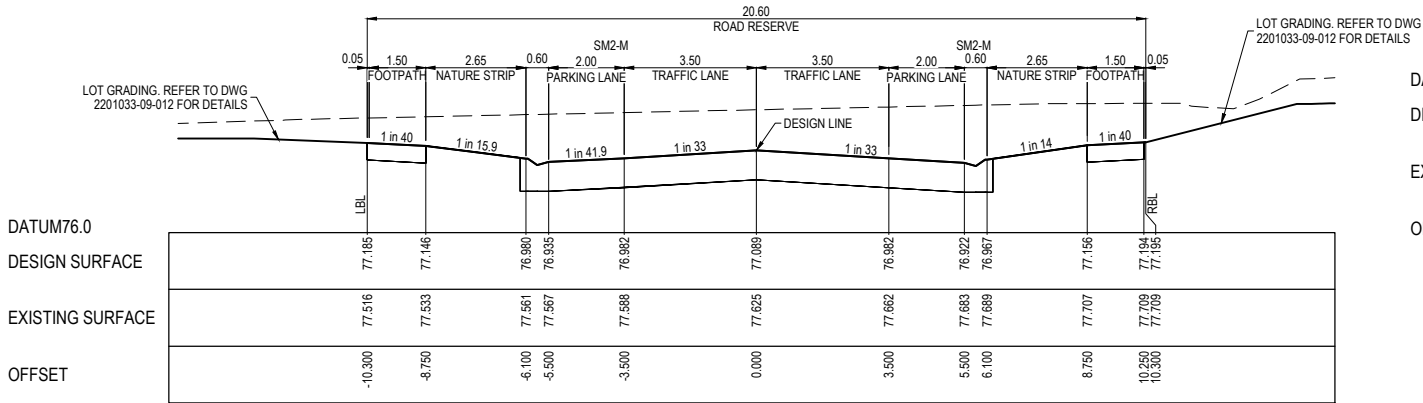
Sheet 8 of 17		
Scale 1:500 H 1:50 V @ A1		
Project Ref	Stage No	Drawing No
2201033	09	103

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-100-RLS.dwg

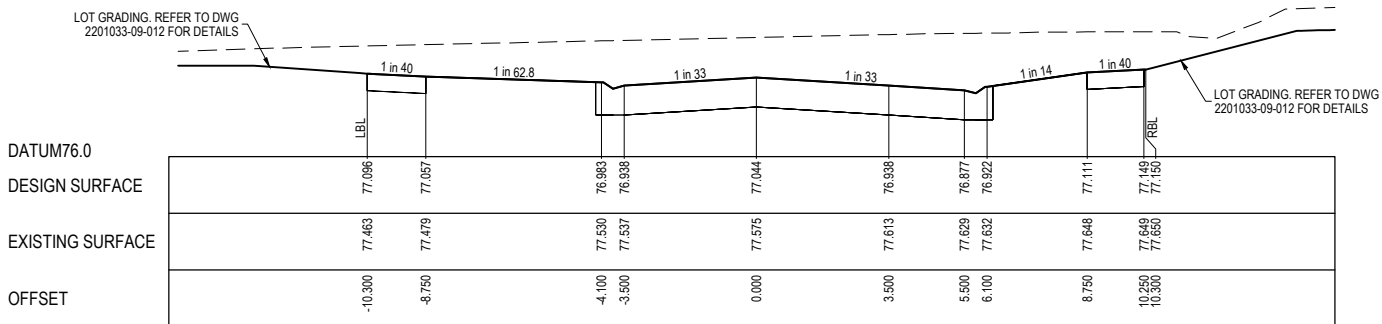
WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown.
Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au



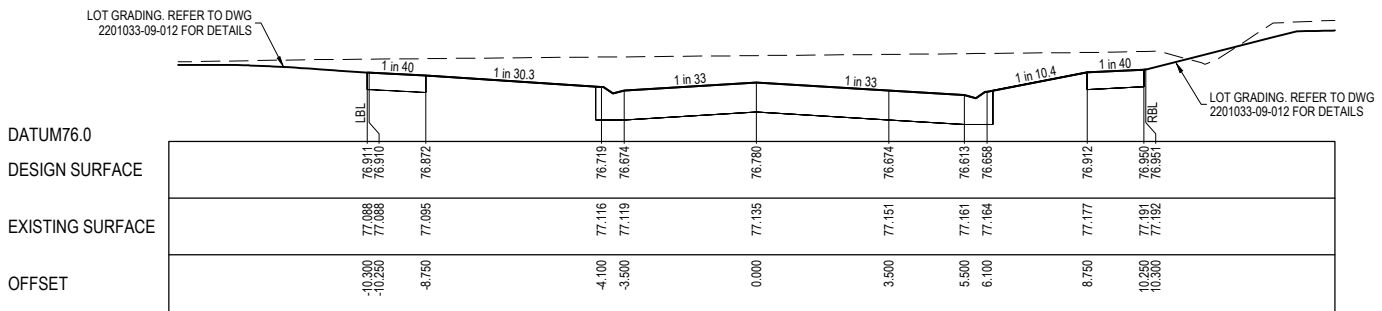
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



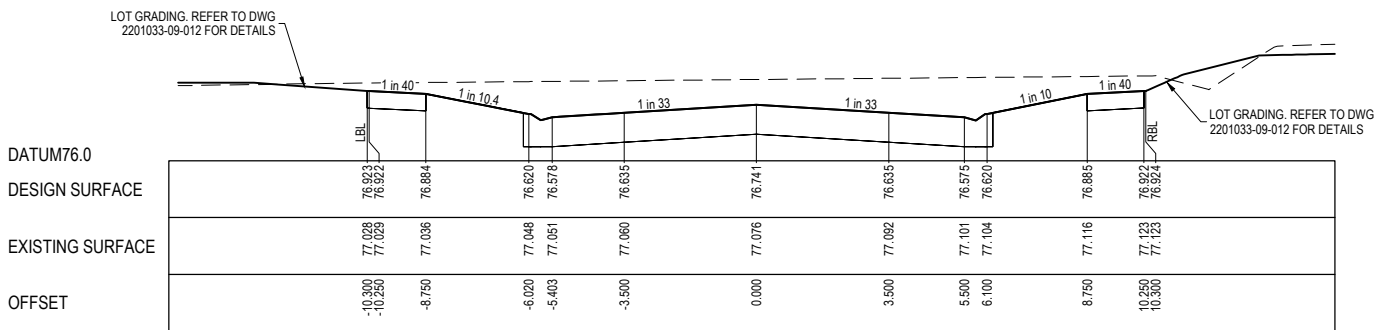
LTPCH 374.889



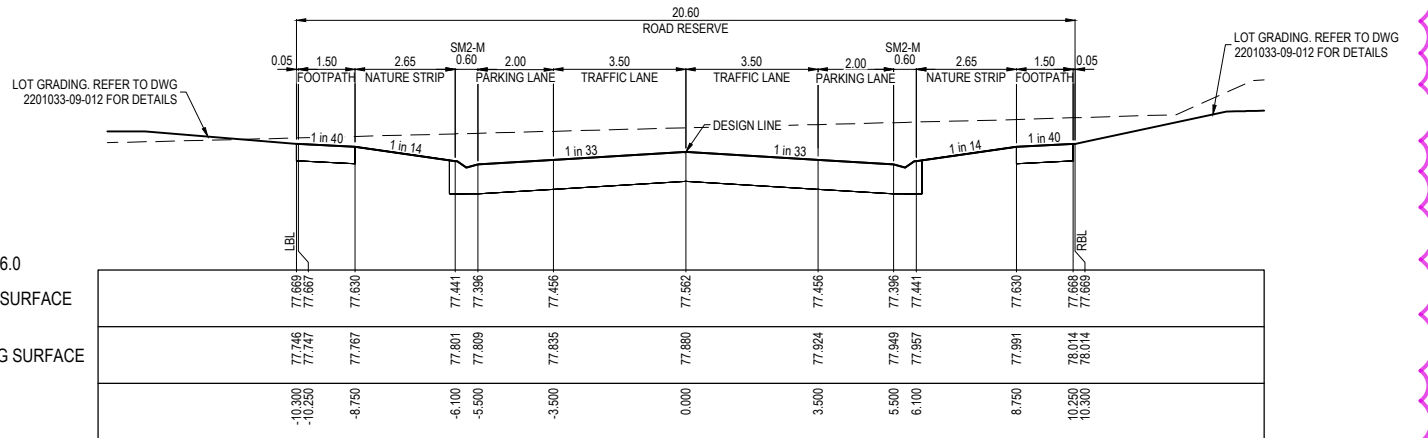
LTPCH 370.420



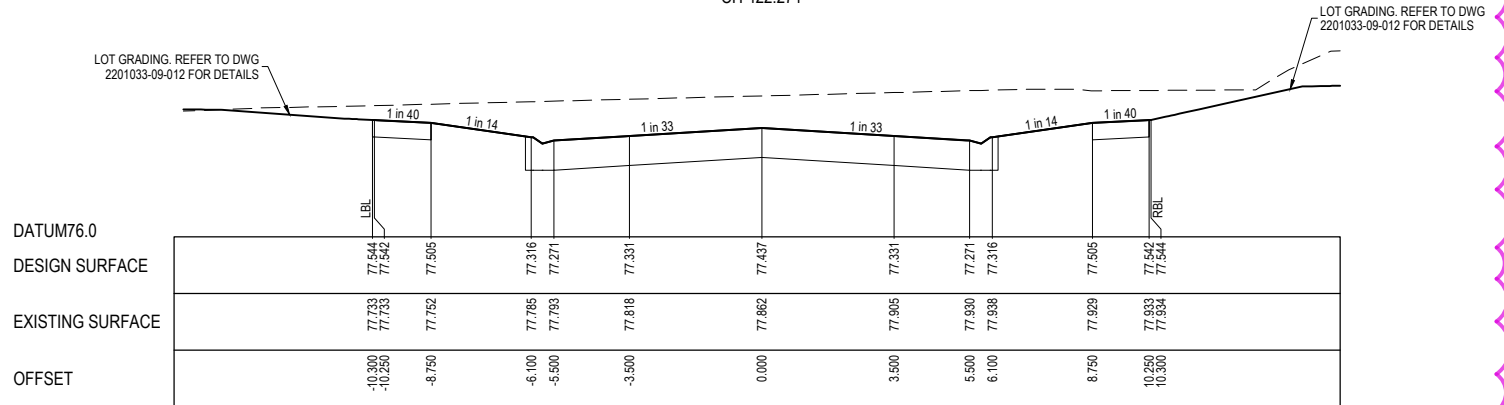
LTPCH 344.011



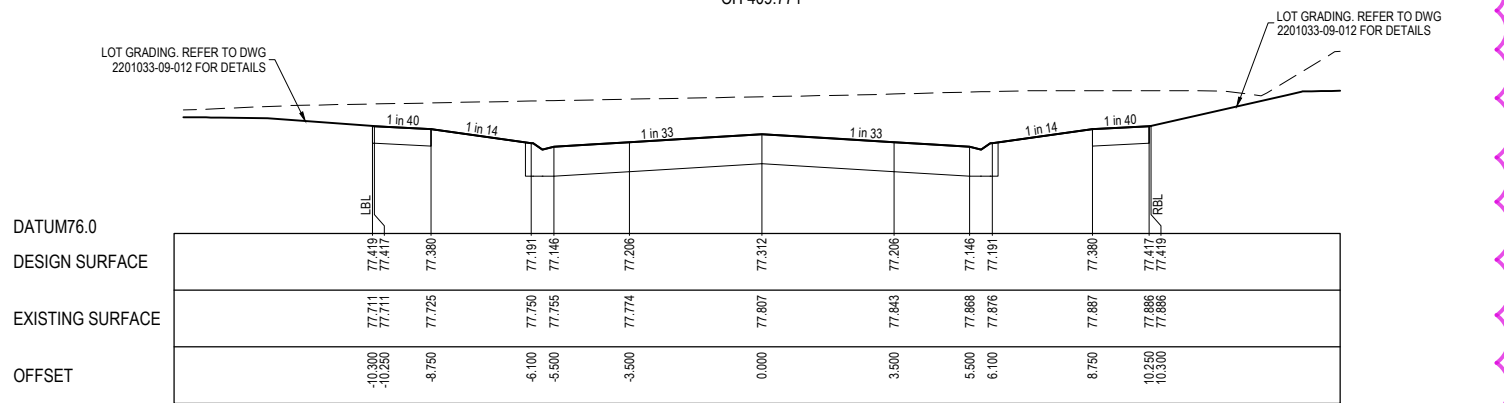
CH 340.281
(LIMIT OF WORKS)



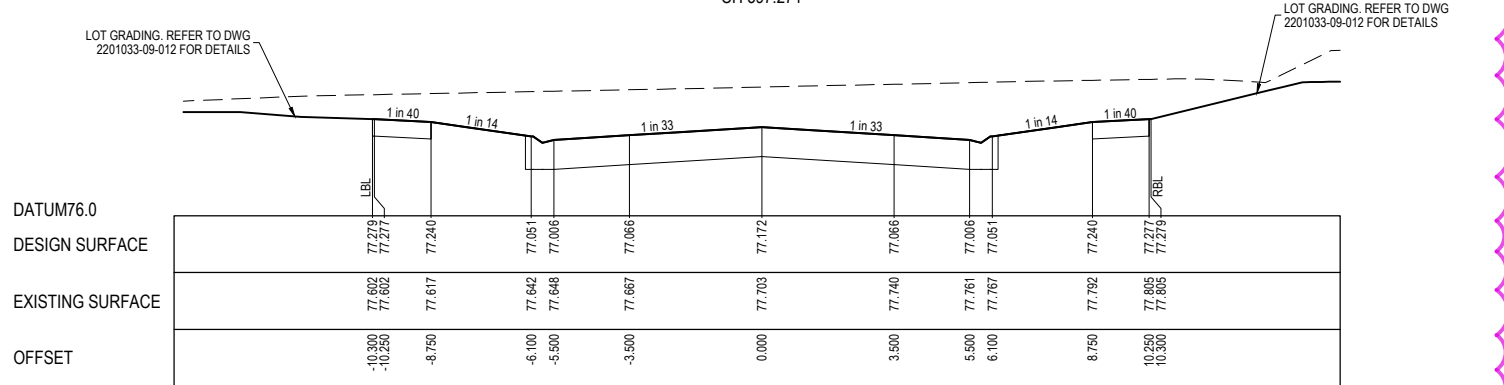
CH 422.271



CH 409.771



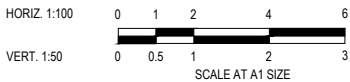
CH 397.271



CH 383.271

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	L.S.	P.I.					
-									
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed	W. ONG
Date	25.10.2024
Drawn	M.F. JAURIGUE
Checked	J. WHITE
Date	28.10.2024
Approved	P. IVKOVIC
Reg. No.	PE0012005
Date	28.10.2024
PS Number	PS917242N

BW Beveridge Williams

Development & Infrastructure Consultants

Suite 1/71 Victoria Street
Warragul VIC 3820

ph: 03 5623 2257
www.beveridgewilliams.com.au

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	ROAD CROSS SECTIONS WASHINGTON WAY (SHEET 1 OF 2)

Sheet 9 of 17

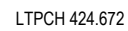
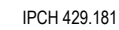
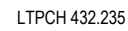
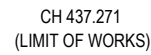
Scale
1:100 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
2201033	09	200	E

C:\12DWS\data\MELSQL01\Eng - 09_98\1\Drawings\2201033-09-200-RXS.dwg

LEGEND

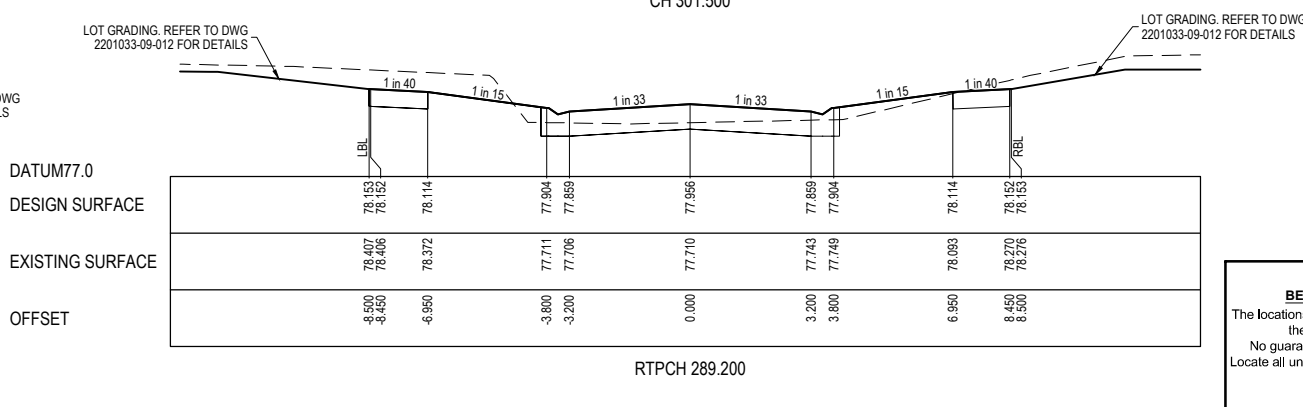
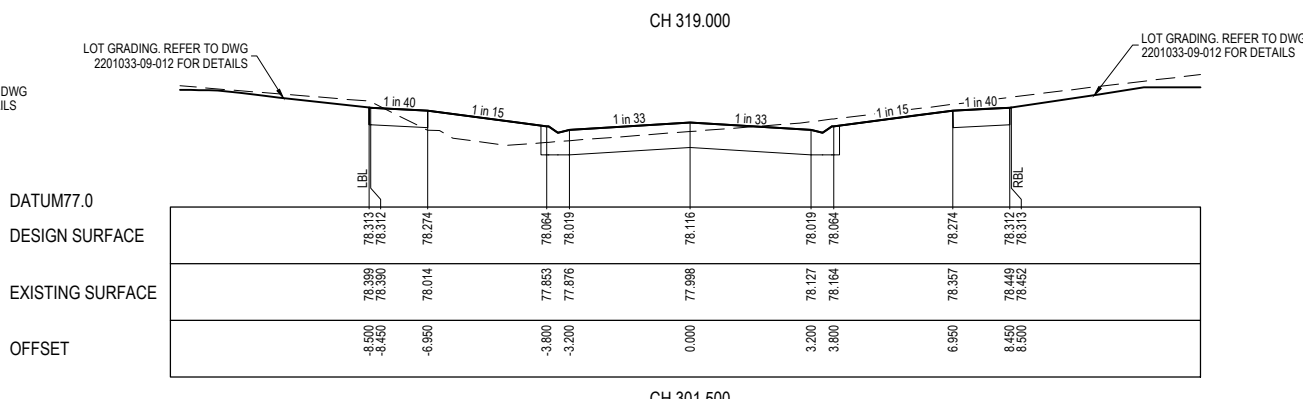
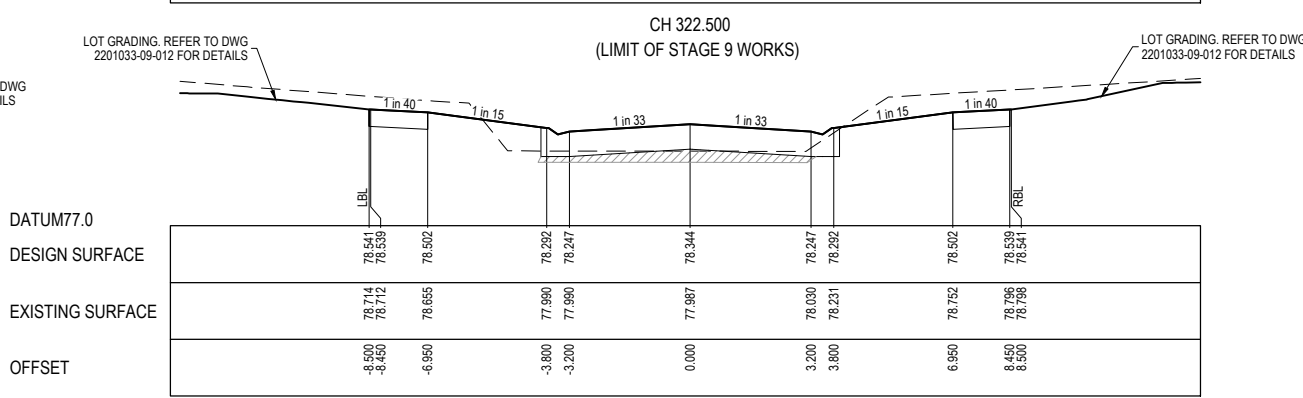
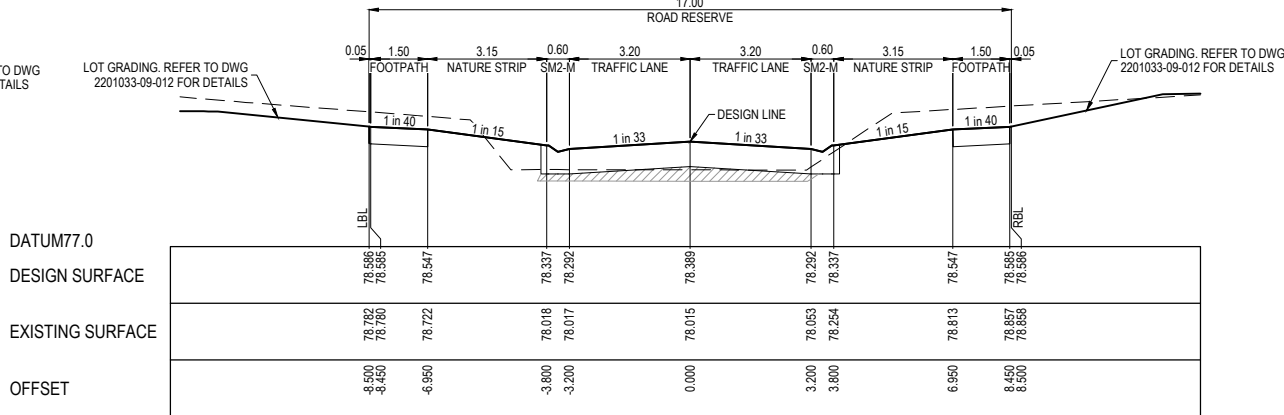
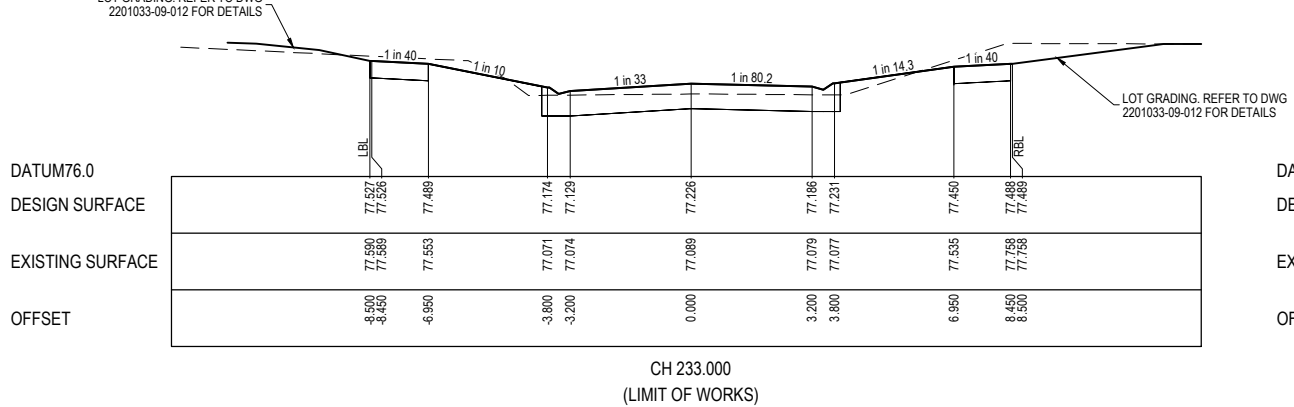
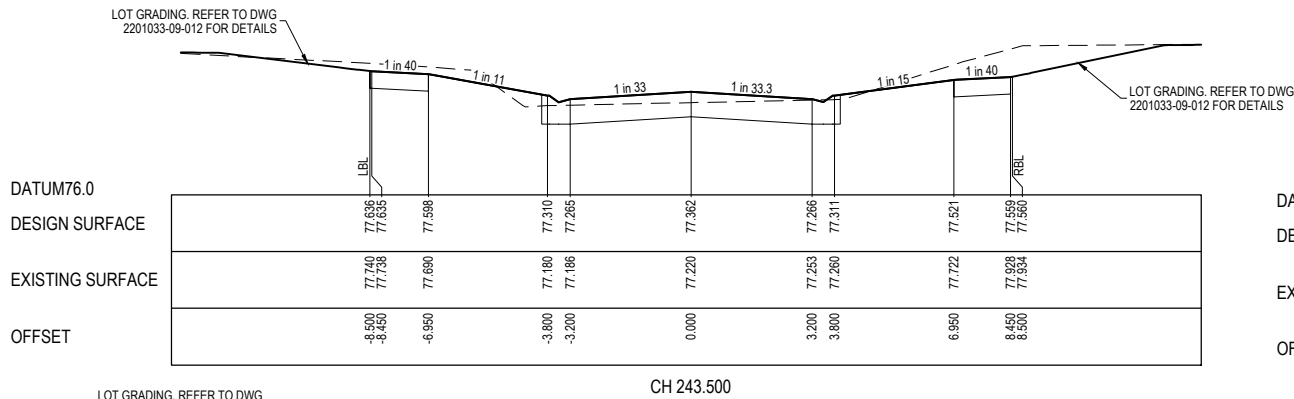
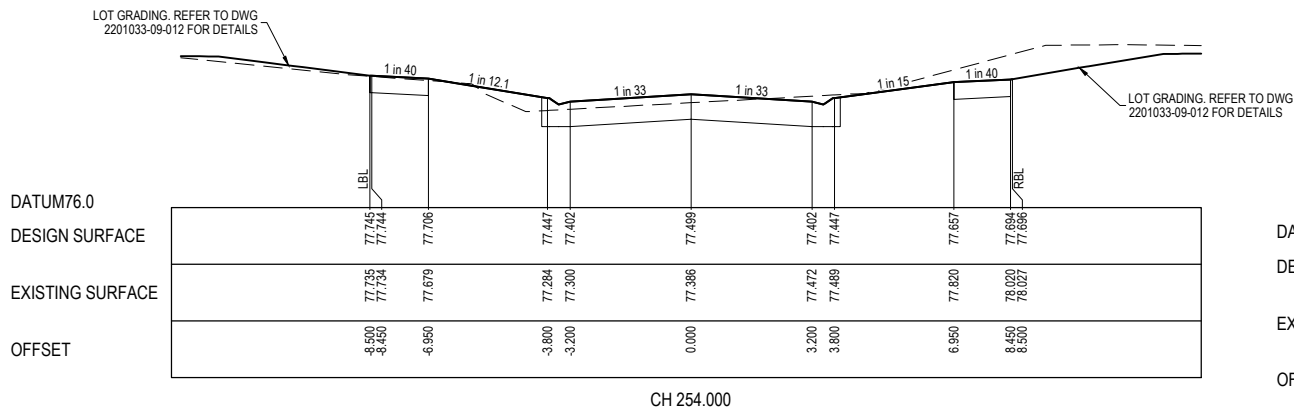
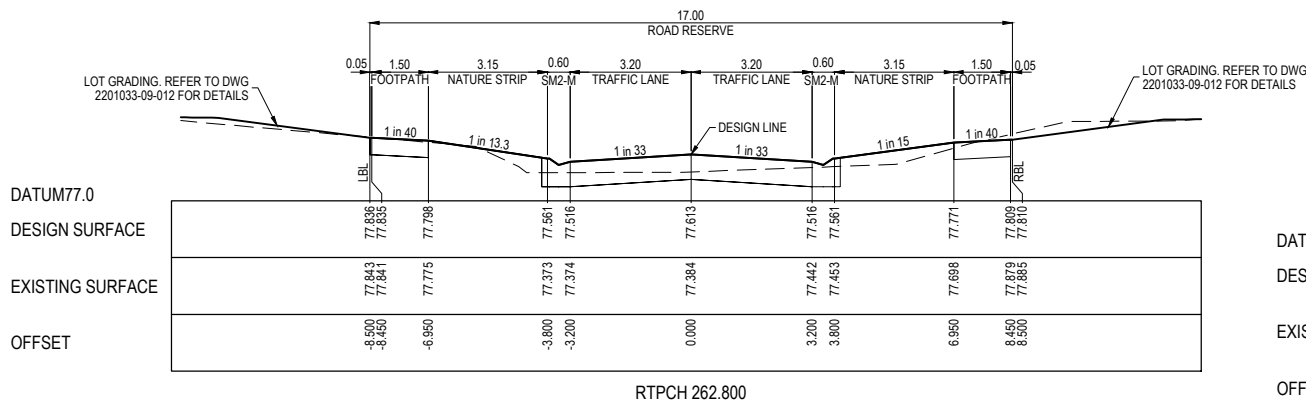
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



PRELIMINARY PRINT
NOT FOR CONSTRUCTION

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND



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. Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

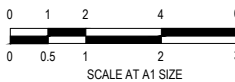
PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved
Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose.
No unauthorised copying is permitted

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	L.S.	P.I.					
-									
C	CROSS SECTION UPDATED AS PER UPDATED LOT BOUNDARY	14.10.25	D.Z.	P.I.					
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					

HORIZ. 1:100

VERT. 1:50



Designed
Date
25.10.2024
Drawn
M.F. JAURIGUE
Checked
Date
28.10.2024
J. WHITE
Approved
Reg. No.
P. IVKOVIC
Date
28.10.2024
PS Number
PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

Project
Details
HERITAGE PLACE, MORWELL
STAGE 9
LATROBE CITY COUNCIL
Drawing
Title
ROAD CROSS SECTIONS
SHEFFIELD STREET

Sheet 11 of 17

Scale

1:100 H 1:50 V @ A1

Project Ref

2201033

Stage No

09

Drawing No

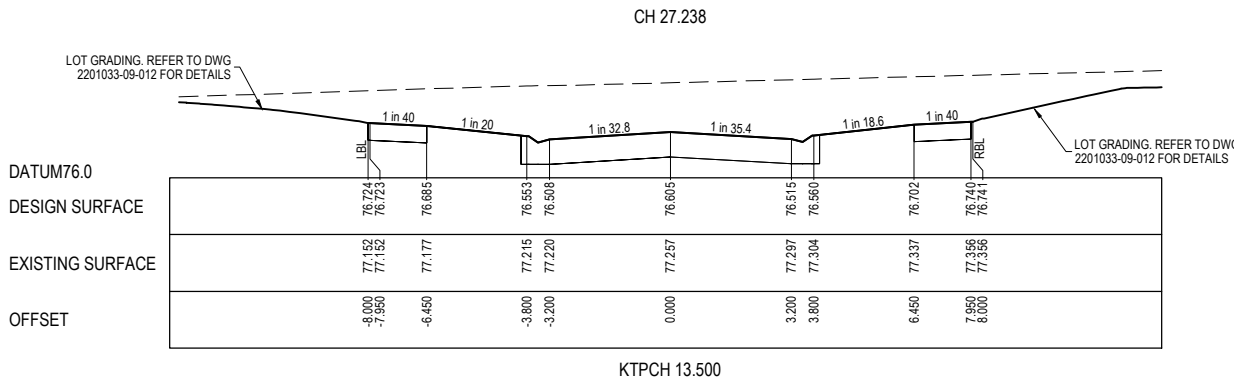
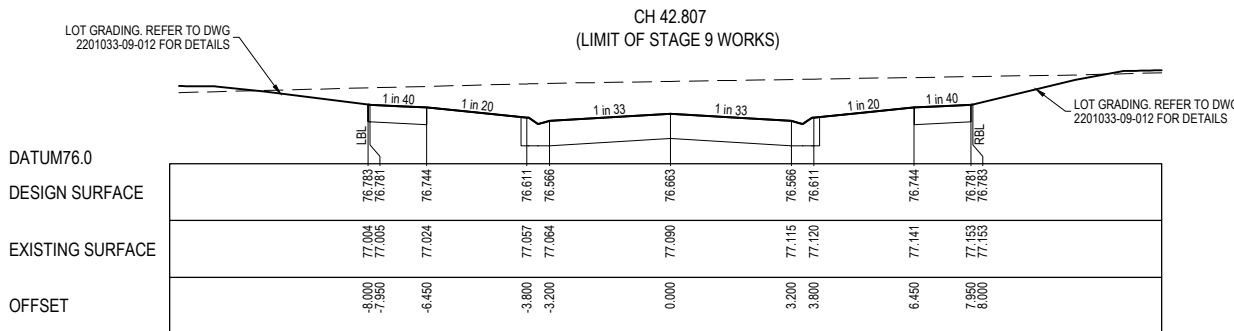
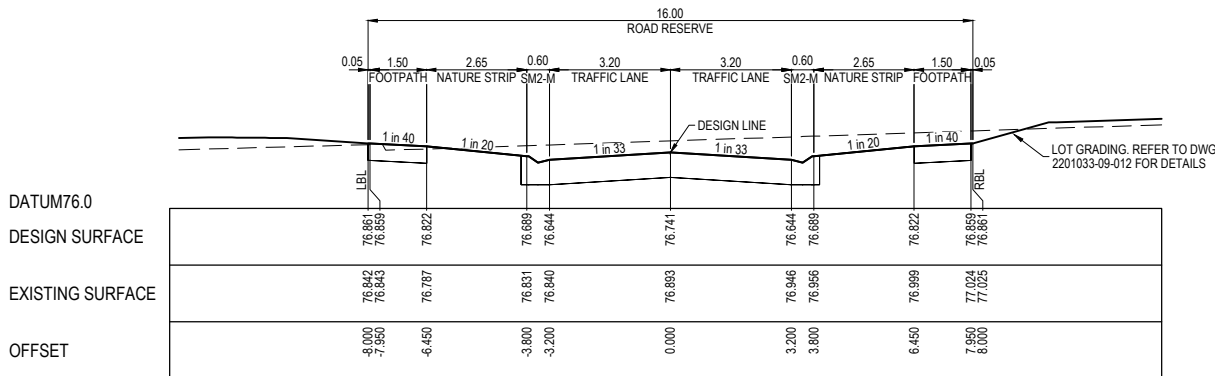
202

Rev

E

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-200-RXS.dwg

STRUCTURAL FILL REQUIRED UNDER PAVEMENT
AND FOOTPATHS WHERE CONSTRUCTED ABOVE
NATURAL SURFACE. REFER GEOTECH REPORT
FOR SPECIFICATION



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. Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

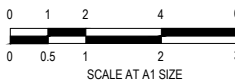
PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved
Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose.
No unauthorised copying is permitted

E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	L.S.	P.I.					
-									
-									
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

HORIZ. 1:100

VERT. 1:50



Designed W. ONG
Date 25.10.2024
Drawn M.F. JAURIGUE
Checked J. WHITE
Date 28.10.2024
Approved P. IVKOVIC
Reg. No. PE012005
Date 28.10.2024
PS Number PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

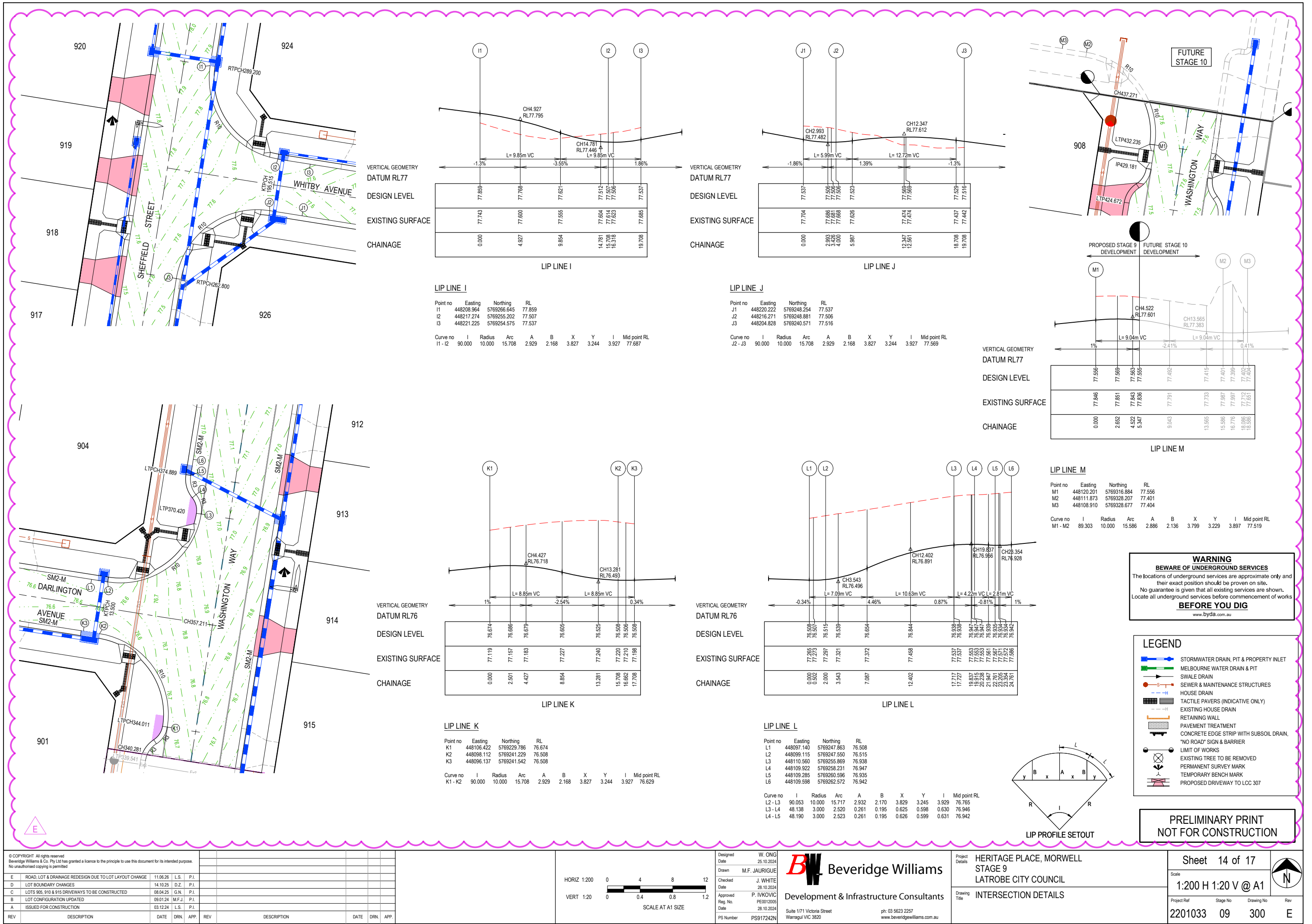
Project Details
HERITAGE PLACE, MORWELL
STAGE 9
LATROBE CITY COUNCIL
Drawing Title
ROAD CROSS SECTIONS
DARLINGTON AVENUE

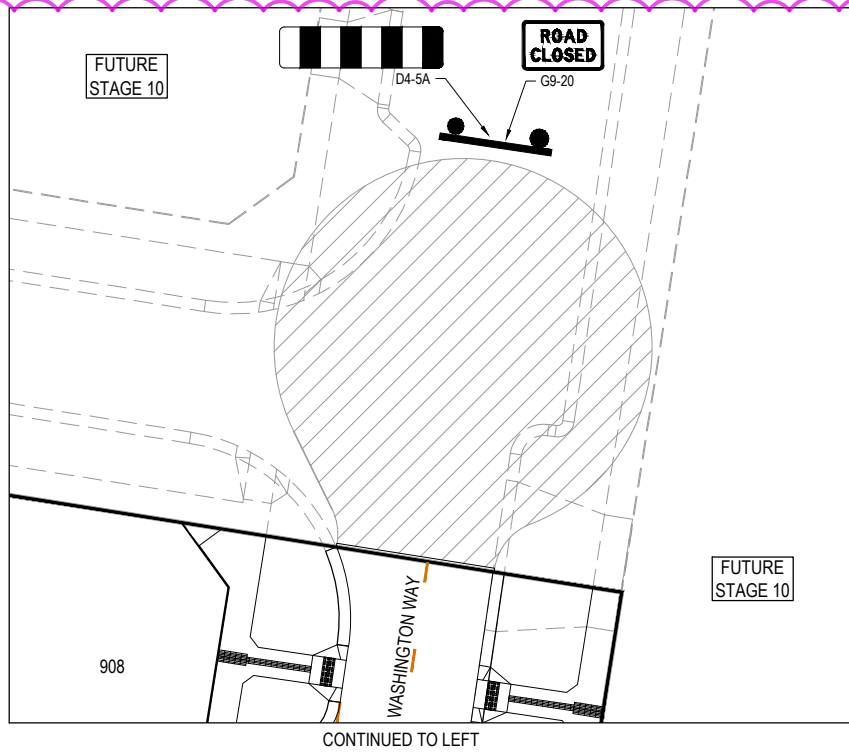
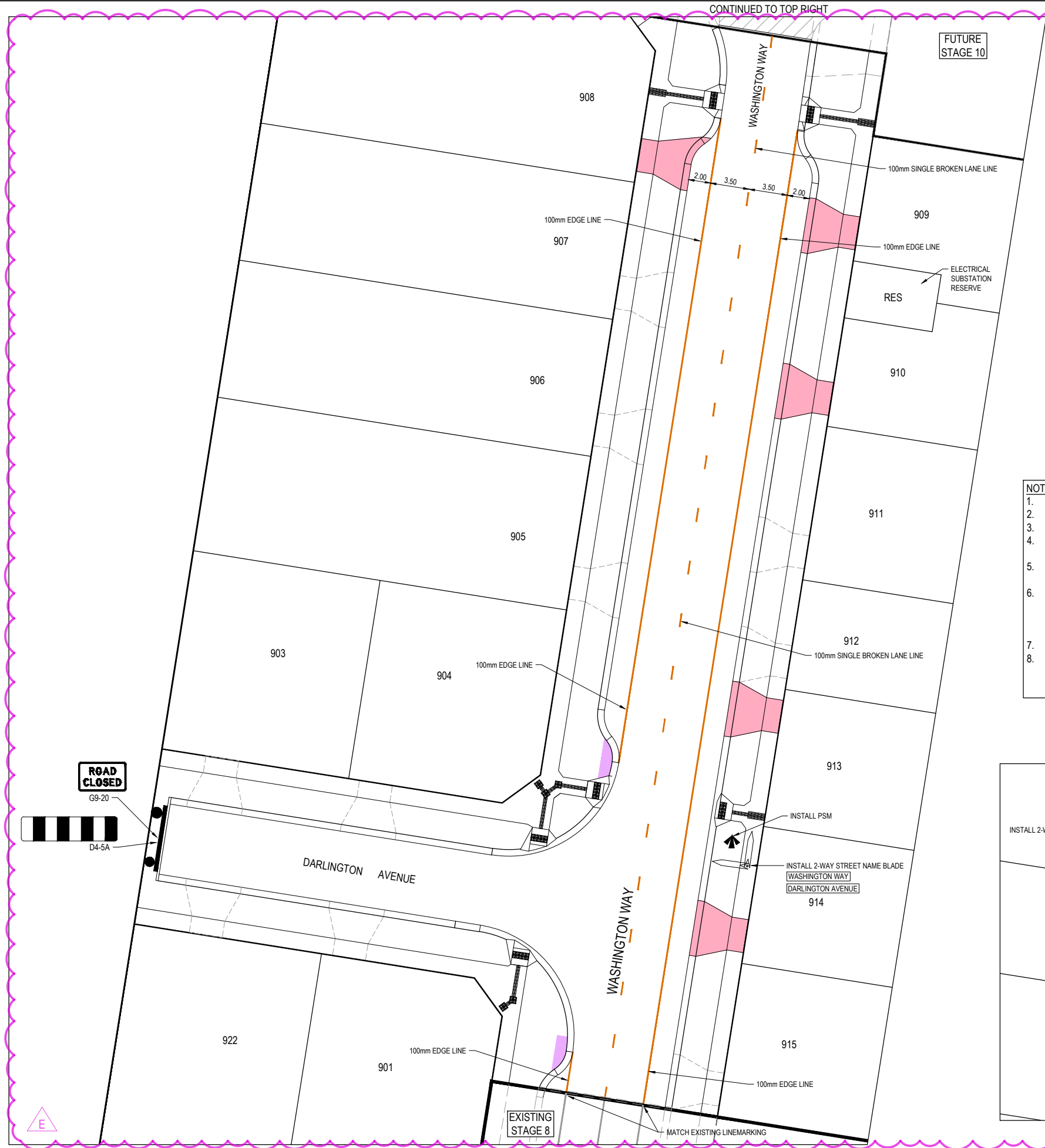
Sheet 12 of 17

Scale
1:100 H 1:50 V @ A1

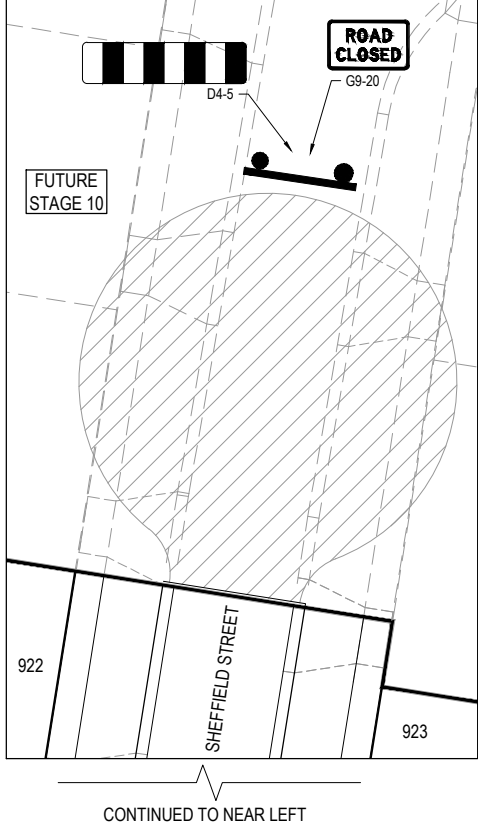
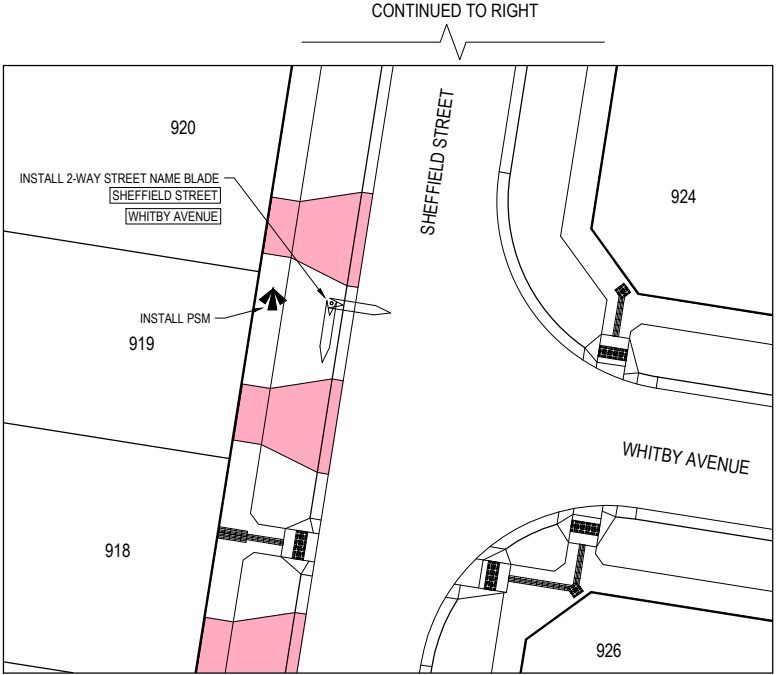
Project Ref	Stage No	Drawing No	Rev
2201033	09	203	E

C:\12DWS\data\MELSQL01\Eng - 09_981\Drawings\2201033-09-200-RXS.dwg



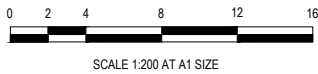


- NOTES
1. RRPM'S AT MAX 6m SPACING, UNLESS NOTED OTHERWISE.
 2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 3. LINEMARKING IN ACCORDANCE WITH AS1742.
 4. TGS1 TO BE INSTALLED IN ACCORDANCE WITH AS1428.4 & DEPARTMENT OF TRANSPORT TRAFFIC ENGINEERING MANUAL (VOL. 3 PART 2.19)
 5. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 6. ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
 7. ALL SIGNS SIZE (A) UNLESS NOTED OTHERWISE.
 8. FIRE HYDRANT MARKERS ASSOCIATED WITH WATERMAIN CONSTRUCTION TO BE INSTALLED IN ACCORDANCE WITH CFA REQUIREMENTS (FOR LOCATION REFER TO WATER PLANS).



PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	J.W.	P.I.					
D	LOT BOUNDARY CHANGES	14.10.25	D.Z.	P.I.					
C	LOTS 905, 910 & 915 DRIVEWAYS TO BE CONSTRUCTED	08.04.25	G.N.	P.I.					
B	LOT CONFIGURATION UPDATED	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed
Date
25.10.2024
W. ONG

Drawn
M.F. JAURIGUE

Checked
Date
28.10.2024
J. WHITE

Approved
Reg. No.
PE012005
Date
28.10.2024
P. IVKOVIC

PS Number
PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

Project
Details
HERITAGE PLACE, MORWELL
STAGE 9
LATROBE CITY COUNCIL

Drawing
Title
SIGNAGE & LINE MARKING PLANS

Sheet 15 of 17

Scale
1:200 @ A1

Project Ref
2201033

Stage No
09

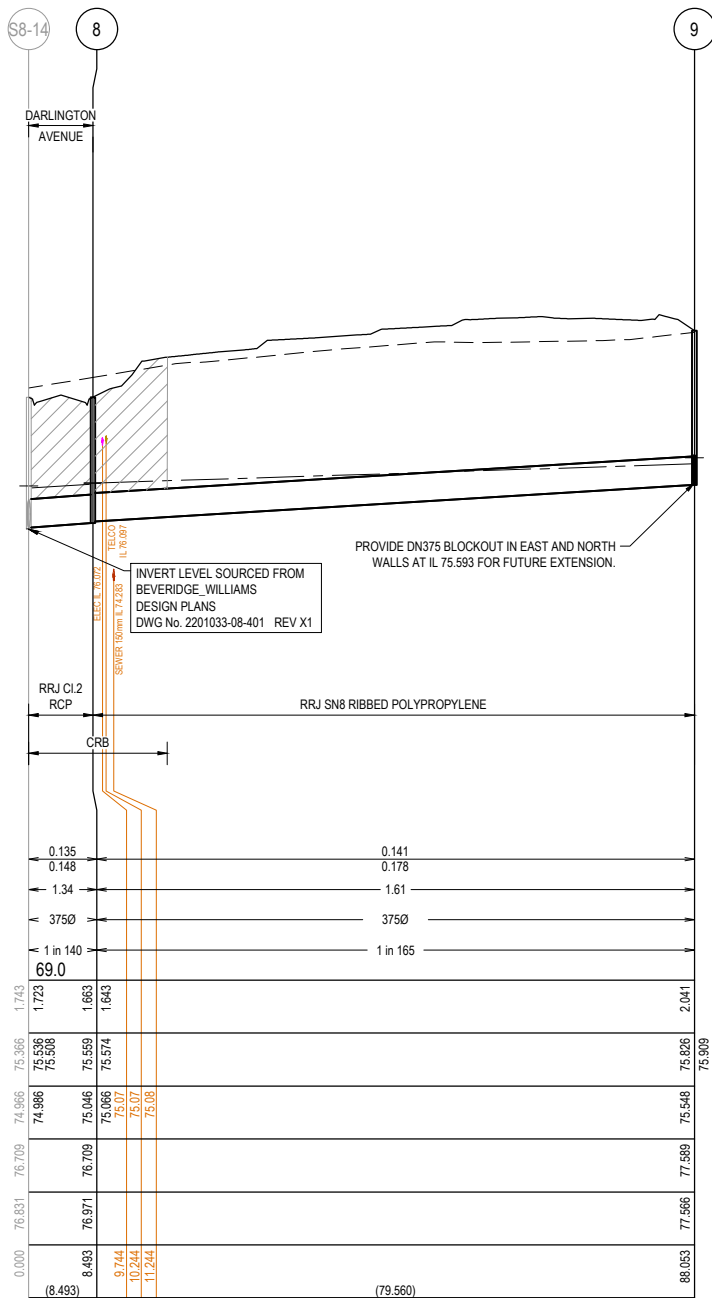
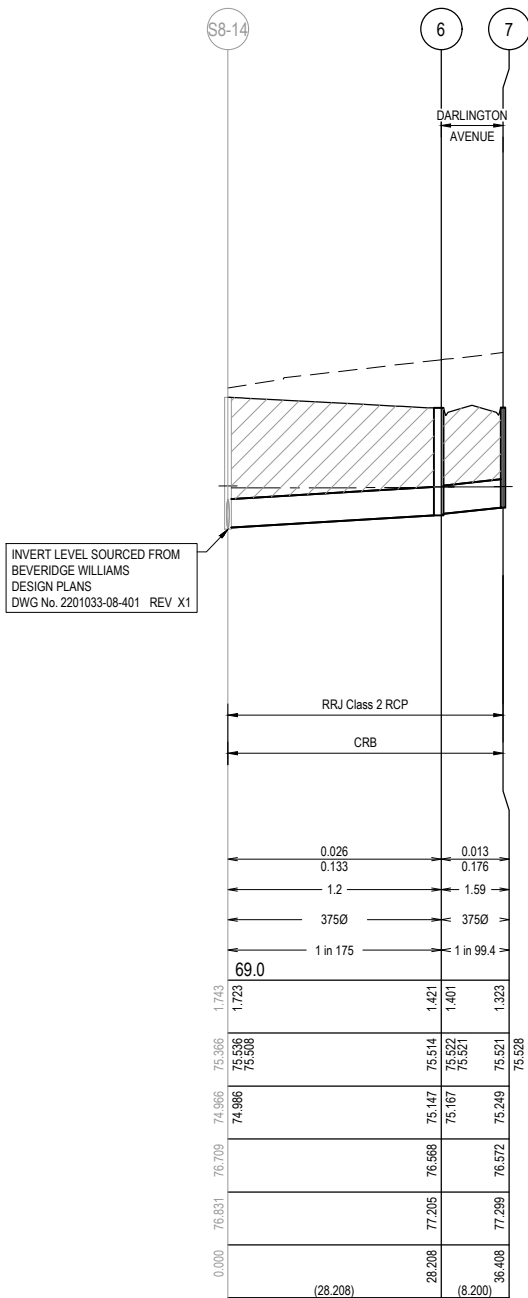
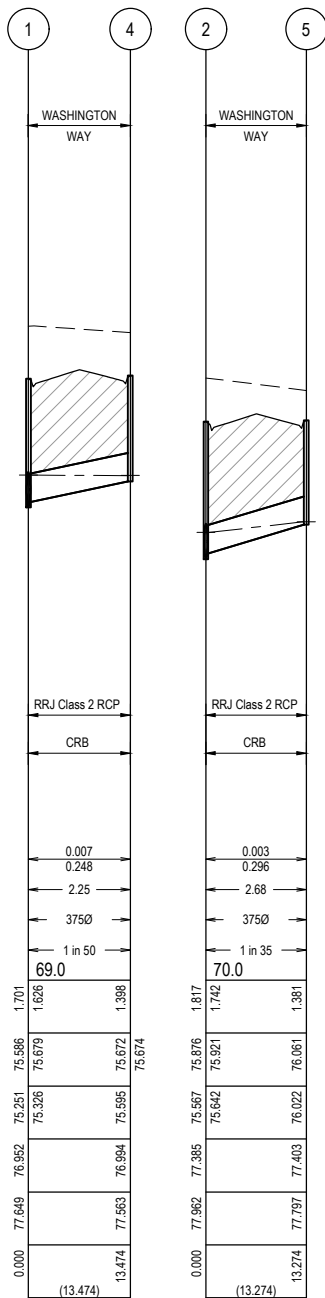
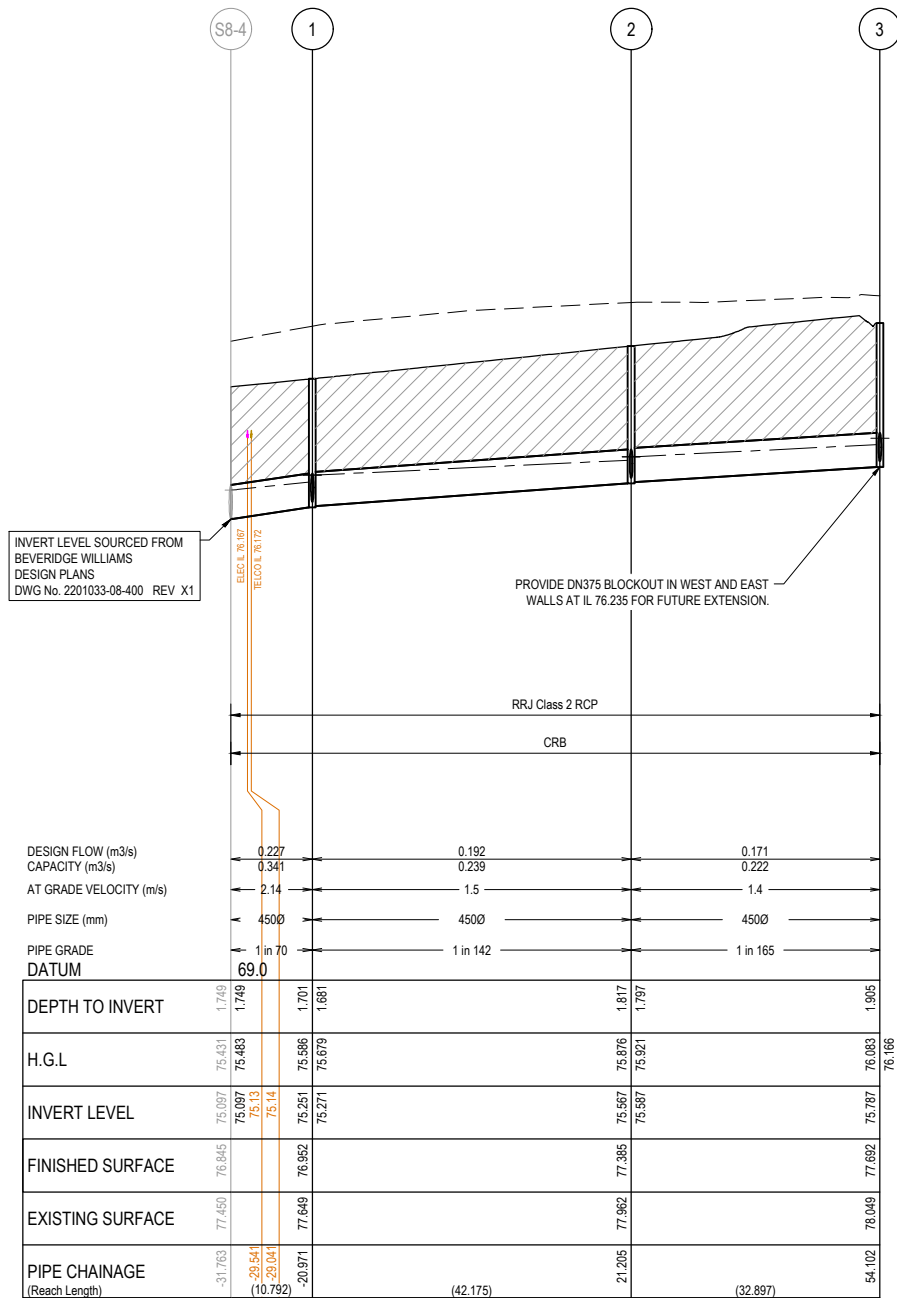
Drawing No
350

Rev
E

NOTES:
ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

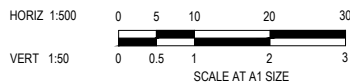
WARNING
BEWARE OF UNDERGROUND SERVICES
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
BEFORE YOU DIG
www.byda.com.au

LEGEND
--- EXISTING SURFACE
--- DESIGN SURFACE
--- DRAINAGE PIPE/PIT
--- EXISTING DRAINAGE PIPE/PIT
--- HYDRAULIC GRADE LINE
 DENOTES 20mm CLASS 3 FCR BACKFILL IN 150mm THICK LAYERS. PREPARE, ROLL AND COMPACT TO 98% MMDD AS PER AS1289.5.2.1. TOP 300mm WITHIN ROAD SUBGRADE LEVEL TO BE CLASS 2 FCR IN 2 x 150mm LAYERS COMPACTED TO MINIMUM 98% MMDD.



PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	J.W.	P.I.					
-									
C	FS LEVELS AMENDED	08.04.25	G.N.	P.I.					
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed
Date
W. ONG
25.10.2024
Drawn
M.F. JAURIGUE
Checked
Date
J. WHITE
28.10.2024
Approved
Reg. No.
P. IVKOVIC
PE0012005
Date
28.10.2024
PS Number
PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

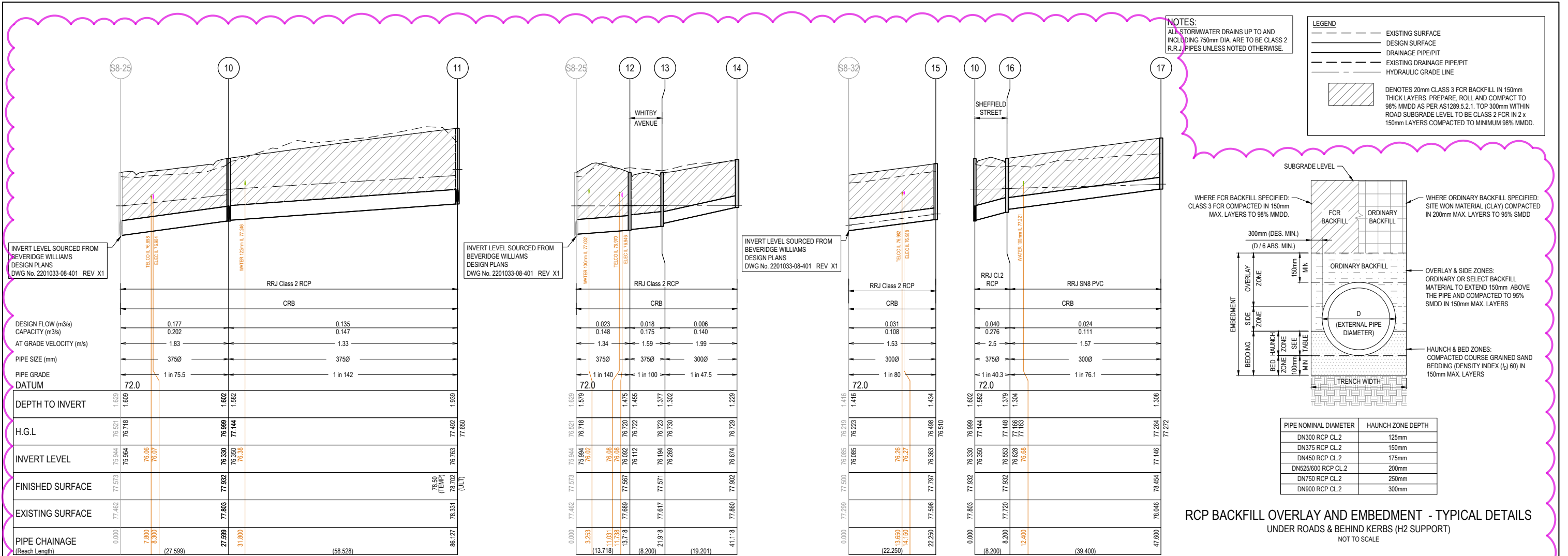
Project
Details
HERITAGE PLACE, MORWELL
STAGE 9
LATROBE CITY COUNCIL
Drawing
Title
DRAINAGE LONGITUDINAL SECTIONS
(SHEET 1 OF 2)

Sheet 16 of 17

Scale
1:500 H 1:50 V @ A1

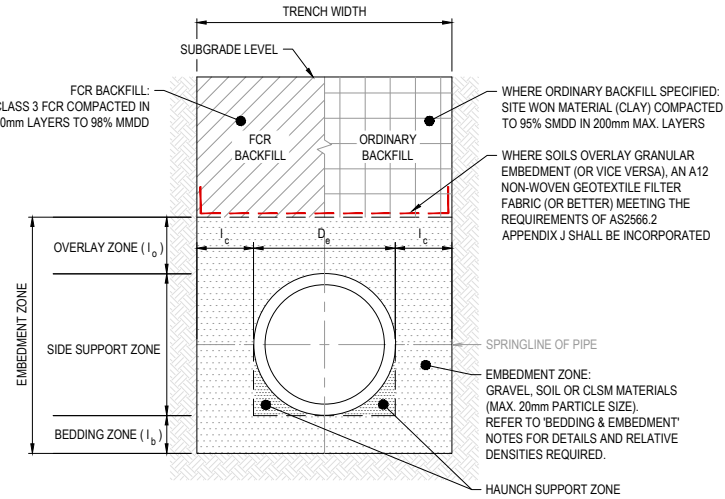
Project Ref
2201033
Stage No
09
Drawing No
400
Rev
E

C:\120\Drawings\2201033-09-400-DLS.dwg



PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT	REMARKS
		WIDTH (m)	LENGTH (m)	DIA (mm)	INV LEV (m)	DIA (mm)	INV LEV (m)	SETOUT RL (m)	
1	SIDE ENTRY PIT	600	900	450	75.271	450	75.251	76.952	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
2	JUNCTION PIT	600	900	450	75.326	450	75.567	77.385	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
3	SIDE ENTRY PIT	600	900	375	75.842	450	75.787	77.692	REFER TO IDM SD 420 FOR STANDARD DRAWING. TO BE CONVERTED TO JP IN THE FUTURE. CONSTRUCT PIT TO 0.2m BELOW BOK LEVEL (WITHOUT LINTEL AND TOP COVER). PROVIDE TEMPORARY PRECAST 900 600 150 THICK CLASS C LID WITH HINGED GRATE. PROVIDE DN375 BLOCKOUT IN EAST & WEST WALL AT IL 76.235 FOR FUTURE EXTENSION.
4	SIDE ENTRY PIT	600	900			375	75.595	76.994	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
5	SIDE ENTRY PIT	600	900			375	76.022	77.403	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
6	SIDE ENTRY PIT			375	75.167	375	75.147	76.568	REFER TO IDM SD 450 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
7	SIDE ENTRY PIT	600	900			375	75.249	76.572	REFER TO IDM SD 440 & 410 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
8	JUNCTION PIT	600	900	375	75.066	375	75.046	76.709	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
9	JUNCTION PIT	600	900	375	75.568	375	75.548	77.589	REFER TO IDM SD 420 FOR STANDARD DRAWING. TO BE CONVERTED TO JP IN THE FUTURE. CONSTRUCT PIT TO 0.2m BELOW BOK LEVEL (WITHOUT LINTEL AND TOP COVER). PROVIDE TEMPORARY PRECAST 900 600 150 THICK CLASS C LID WITH HINGED GRATE. PROVIDE DN375 BLOCKOUT IN NORTH AND EAST WALL AT IL 75.593 FOR FUTURE EXTENSION.
10	SIDE ENTRY PIT	600	900	375	76.350	375	76.330	77.932	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
11	JUNCTION PIT	600	900	375	76.783	375	76.763	78.702	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS D HEAVY DUTY COVER.
12	SIDE ENTRY PIT			375	76.112	375	76.092	77.587	REFER TO IDM SD 450 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
13	SIDE ENTRY PIT	600	900	300	76.269	375	76.194	77.571	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
14	JUNCTION PIT	600	900			300	76.674	77.902	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
15	JUNCTION PIT	600	900			300	76.363	77.797	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
16	SIDE ENTRY PIT	600	900	300	76.628	375	76.553	77.932	REFER TO IDM SD 440 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.
17	JUNCTION PIT	600	900			300	77.146	78.454	REFER TO IDM SD 420 FOR STANDARD DRAWING. PROVIDE CLASS B LIGHT WEIGHT FIBREGLASS LID.

NOTES:
1. SETOUT RL IS TO CENTRE OF PIT (TOP)
2. STEP IRONS SHALL NOT BE INSTALLED



PIPE NOMINAL DIAMETER	PIPE OD (D _o)	MINIMUM VALUES (mm)		
		I _b	I _c	I _o
DN225 PVC SN8	250mm	100	150	150
DN375 RIBBED PP SN8	430mm	100	200	150

NOTES: BEDDING & EMBEDMENT
Bedding & embedment materials shall be selected from one of the following (in order of preference):
1. Single sized aggregate (uncompacted), or
2. Graded aggregate compacted with R_o >85% and grading limits as per AS2758.1 Table 1, or
3. Coarse graded sand compacted with R_o >95% and grading limits as per AS2758.1 Table 1, or
4. Fine grained soils (CL, ML, ML-CL & ML-MH with LL <50%, medium to no plasticity & >25% coarse grained particles) compacted with R_o >95% and grading limits as per table below, or
5. Controlled low strength material (CLSM) complying with Appendix K of AS2566.2

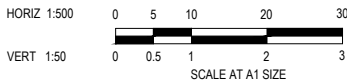
All materials listed above shall have their max particle size as per adjacent table and be free of organic materials.

4. FINE GRAINED SOILS - GRADING	
SIEVE SIZE (mm)	MAX PASSING (%)
19.0	100
2.36	75 ±25
0.60	55 ±35
0.30	35 ±25
0.15	≤ 25
0.075	≤ 10

FLEXIBLE PIPE (PVC, PP) INSTALLATION - TYPICAL DETAILS
(5MPa EMBEDMENTS AND SOIL MODULUS - NON GROUNDWATER CONDITIONS)
NOT TO SCALE

PRELIMINARY PRINT
NOT FOR CONSTRUCTION

© COPYRIGHT All rights reserved Beveridge Williams & Co. Pty Ltd has granted a licence to the principle to use this document for its intended purpose. No unauthorised copying is permitted									
E	ROAD, LOT & DRAINAGE REDESIGN DUE TO LOT LAYOUT CHANGE	11.06.26	J.W.	P.I.					
C	FS LEVELS AMENDED & PIPE INFO ADDED	08.04.25	G.N.	P.I.					
B	REVISION LETTER UPDATED FOR CONSISTENCY	09.01.24	M.F.J.	P.I.					
A	ISSUED FOR CONSTRUCTION	03.12.24	L.S.	P.I.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed Date	W. ONG 25.10.2024
Drawn Date	M.F. JAURIGUE 28.10.2024
Checked Date	J. WHITE 28.10.2024
Approved Reg. No. Date	P. IVKOVIC PE0012005 28.10.2024
PS Number	PS917242N

BW Beveridge Williams
Development & Infrastructure Consultants
Suite 1/71 Victoria Street
Warragul VIC 3820
ph: 03 5623 2257
www.beveridgewilliams.com.au

Project Details	HERITAGE PLACE, MORWELL STAGE 9 LATROBE CITY COUNCIL
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2) PIT SCHEDULE & PIT DETAILS

Sheet Scale	17 of 17 1:500 H 1:50 V @ A1
Project Ref	2201033
Stage No	09
Drawing No	401
Rev	E

C:\120\Drawings\2201033-09-400-DLS.dwg