

SMITHS LANE - STAGE 7

MIRVAC

CITY OF CASEY

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 the City of Casey landscape approvals officer.
- A3. Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer 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 & levels taken. Backfilling is to be carried out to the satisfaction of the Council supervising engineer.
- A4. Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No.275 "Construction techniques for sediment pollution control". Appropriate siltation control is to be maintained throughout the construction & maintenance period of the works.
- A5. Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.
- A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3
- A7. Fourteen days prior to the start of development, a site specific Environmental Management Plan (site EMP) must be submitted and approved by responsible authority. All works must be undertaken in accordance with the approved site EMP to the satisfaction of the responsible authority.

GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey current specification & standard drawings & to the satisfaction of the City of Casey 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. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. 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.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Casey works supervisor.
- B7. 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.
- B8. 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-instatement at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to be on the reserve side.
- B10. Prior to works around overhead and underground electricity assets, A No Go Zones (NGZ) request must be made to the relative authority. The conditions of the assessment must be done to AusNet's satisfaction.
- B11. All concrete and construction material must comply with AS 2159-2009 and AS 3600-2009

ROADWORKS

- C1. 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitches & where directed by the engineer.
- 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 conduct by Tonkin & Taylor, 1007259.1.R1. 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. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise.
- C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.

- C7. 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.
- C8. 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 concrete marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.
- 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 City of Casey standards including logo. Court street names are to show court name only.
- 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. Driveways to be constructed in accordance with the MPA standard drawings EDCM 501 & EDCM 502. Single driveways to be a minimum 3.5m wide & to be offset 0.75m from side boundary or easement unless otherwise shown.
- C16. Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit.
- C17. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- C18. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer.
- C19. Tactile ground surface indicators (TGS) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.

DRAINAGE

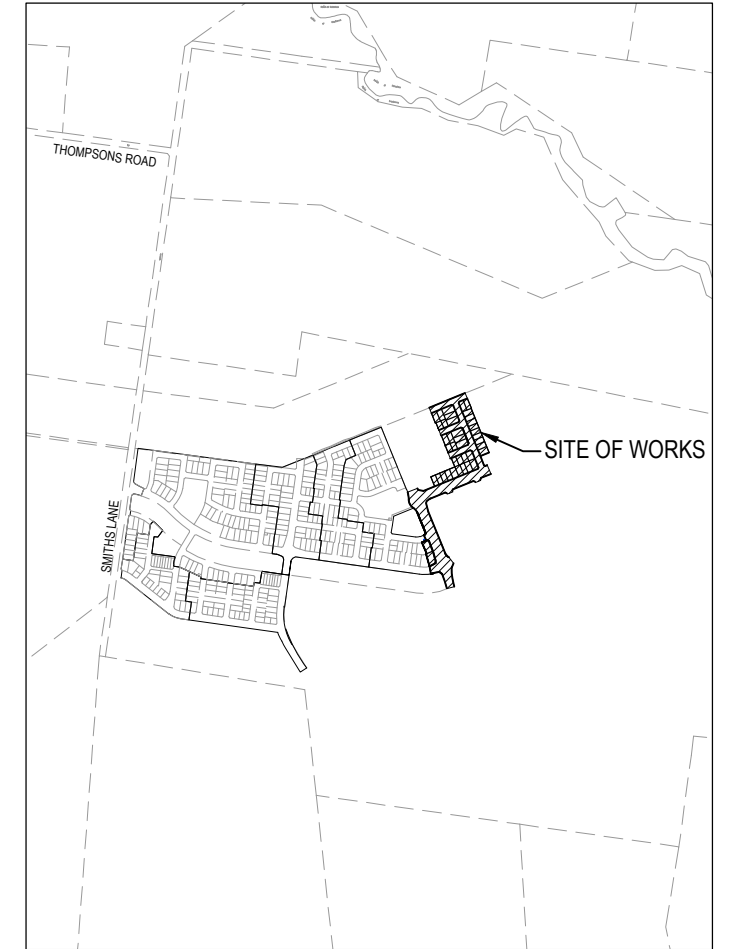
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed to council specifications.
- D3. 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.
- D4. All pipes to be Class 'Z' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. 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.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 – EDCM 704.
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.

PAVEMENT

- E1. Modification of the pavement requires approval by the City of Casey works supervisor.
- E2. Pavement composition to include recycled materials approved by City of Casey works supervisor.

DRAWING INDEX

DRAWING No.	TITLE	REVISION
1101438-07-001	COVER SHEET	D
1101438-07-002	PAVEMENT MAKEUP & GENERAL DETAILS	B
1101438-07-003	TYPICAL ROAD CROSS SECTIONS	A
1101438-07-010	LAYOUT PLAN (SHEET 1 OF 2)	D
1101438-07-011	LAYOUT PLAN (SHEET 2 OF 2)	B
1101438-07-100	ROAD LONGITUDINAL SECTIONS ALEXANDER BOULEVARD	A
1101438-07-101	ROAD LONGITUDINAL SECTIONS BURNBANK PARADE	B
1101438-07-102	ROAD LONGITUDINAL SECTIONS BABCOCK STREET, BRODLIBB ROAD & GOTTLIEB STREET	A
1101438-07-103	ROAD LONGITUDINAL SECTIONS HANDSOME AVENUE	A
1101438-07-104	ROAD LONGITUDINAL SECTIONS LANGWARRIN CRESCENT	A
1101438-07-200	ROAD CROSS SECTIONS ALEXANDER BOULEVARD (SHEET 1 OF 2)	B
1101438-07-201	ROAD CROSS SECTIONS ALEXANDER BOULEVARD (SHEET 2 OF 2)	A
1101438-07-202	ROAD CROSS SECTIONS BABCOCK STREET & BRODRIBB ROAD	A
1101438-07-203	ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 1 OF 3)	B
1101438-07-204	ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 2 OF 3)	B
1101438-07-205	ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 3 OF 3)	B
1101438-07-206	ROAD CROSS SECTIONS GOTTLIEB STREET	A
1101438-07-207	ROAD CROSS SECTIONS HANDSOME AVENUE (SHEET 1 OF 2)	A
1101438-07-208	ROAD CROSS SECTIONS HANDSOME AVENUE (SHEET 2 OF 2)	A
1101438-07-209	ROAD CROSS SECTIONS LANGWARRIN CRESCENT	A
1101438-07-300	INTERSECTION DETAILS (SHEET 1 OF 9)	A
1101438-07-301	INTERSECTION DETAILS (SHEET 2 OF 9)	A
1101438-07-302	INTERSECTION DETAILS (SHEET 3 OF 9)	A
1101438-07-303	INTERSECTION DETAILS (SHEET 4 OF 9)	A
1101438-07-304	INTERSECTION DETAILS (SHEET 5 OF 9)	A
1101438-07-305	INTERSECTION DETAILS (SHEET 6 OF 9)	A
1101438-07-306	INTERSECTION DETAILS (SHEET 7 OF 9)	A
1101438-07-307	INTERSECTION DETAILS (SHEET 8 OF 9)	B
1101438-07-308	INTERSECTION DETAILS (SHEET 9 OF 9)	A
1101438-07-350	SIGNAGE & LINE MARKING PLANS (SHEET 1 OF 2)	B
1101438-07-351	SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)	B
1101438-07-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 5)	A
1101438-07-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 5)	A
1101438-07-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 5)	A
1101438-07-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 5)	A
1101438-07-404	DRAINAGE LONGITUDINAL SECTIONS (SHEET 5 OF 5)	A
1101438-07-405	PIT SCHEDULE	A
1101438-07-450	CULVERT DETAILS (SHEET 1 OF 2)	B
1101438-07-451	CULVERT DETAILS (SHEET 2 OF 2)	A



SITE PLAN
NOT TO SCALE
MELWAY REF: TBC

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.
B	DRAWINGS 010, 011, 350 & 351 UPDATED	23.10.20	LM	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM	D	DRAWINGS 002 & 010 UPDATED	02.02.21	LM	DB
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM	C	DRAWINGS 101, 200, 203, 204, 205, & 307 UPDATED	02.11.20	LM	DB



Designed Date
S. GILBERT
01.04.20

Drawn
M.F. JAURIGUE

Approved Date
L. MURRAY
-

PS Number
PS837138C



Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title
COVER SHEET

Sheet 01 of 39

Scale
NOT TO SCALE

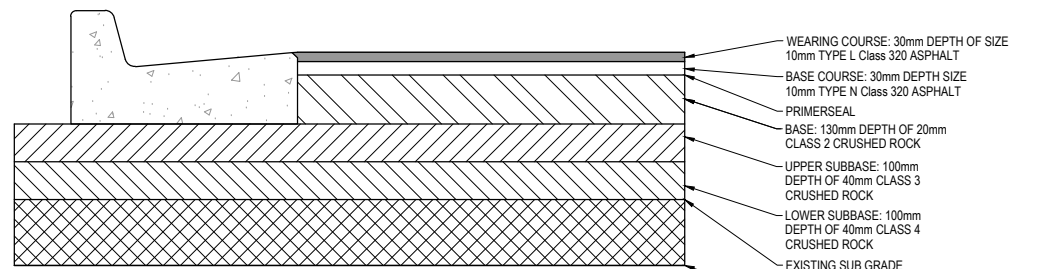
Project Ref
1101438

Stage No
07

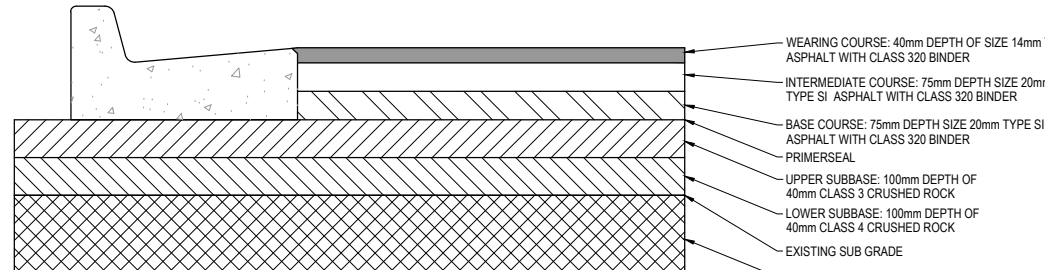
Drawing No
001

Rev
D

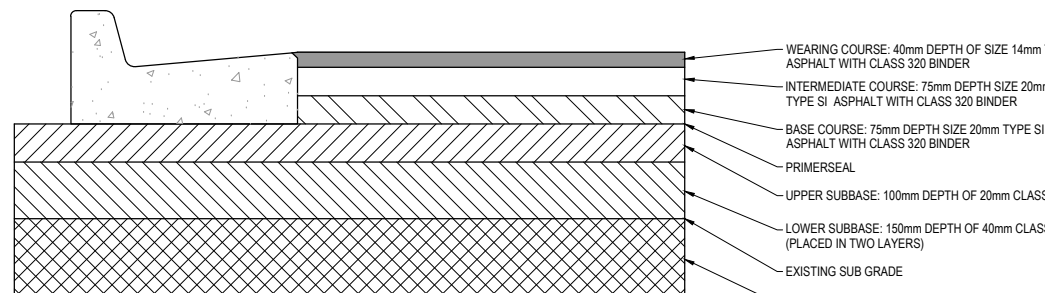




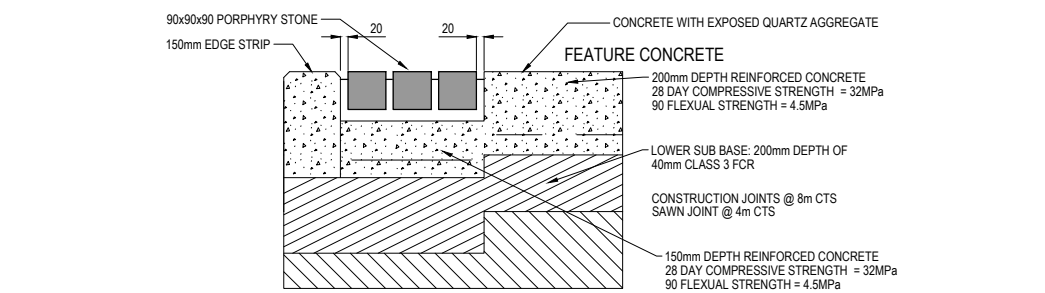
TYPE 1: BABCOCK STREET, BRODRIBB ROAD, HANDSOME AVENUE, LANGWARRIN CRESCENT, GOTTLIEB STREET
TOTAL MINIMUM DEPTH 390mm
DESIGN CBR = 4.0%



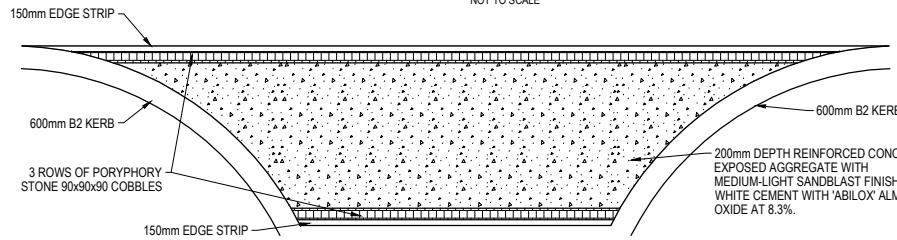
TYPE 2: BURNBANK PARADE, OCONNOR AVENUE, & ALEXANDER BOULEVARD (SOUTH OF OCONNOR)
TOTAL MINIMUM DEPTH 390mm
DESIGN CBR = 4.0%



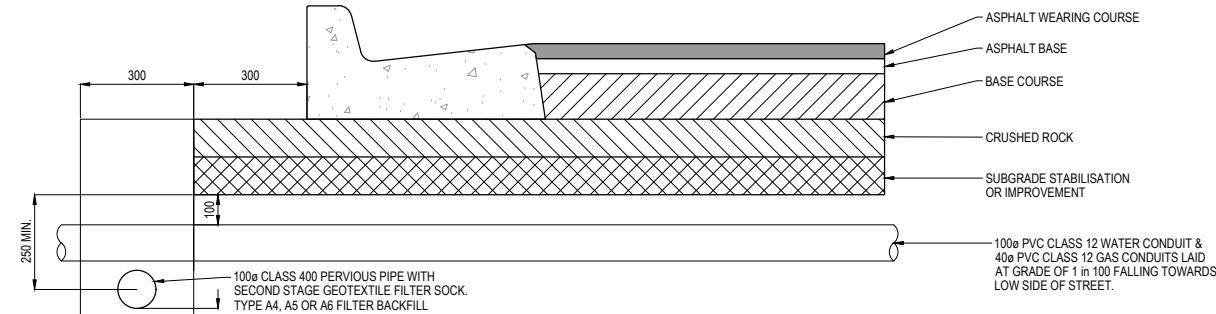
TYPE 3: ALEXANDER BOULEVARD & ROUNDABOUTS
TOTAL MINIMUM DEPTH 440mm
DESIGN CBR = 4.0%



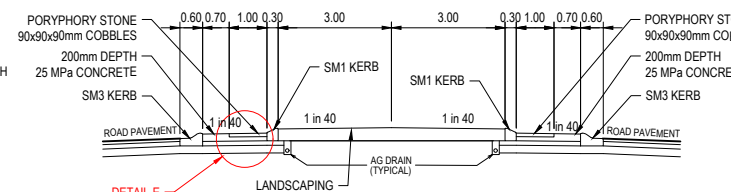
TYPICAL FEATURE PAVEMENT DETAILS
NOT TO SCALE



TYPICAL FEATURE PAVEMENT DETAILS
NOT TO SCALE

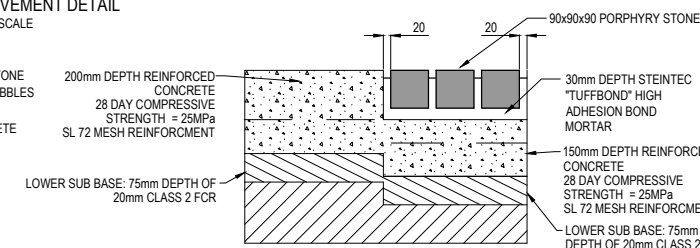


TYPICAL ROAD PAVEMENT DETAIL
NOT TO SCALE

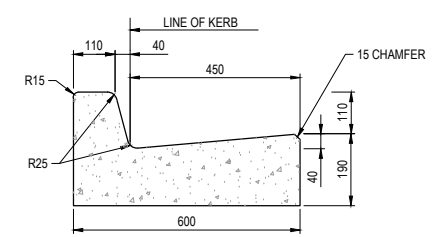


ROUNDABOUT ISLAND DETAIL
NOT TO SCALE

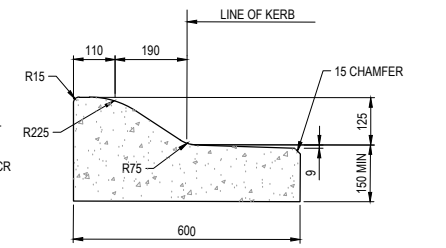
NOTE: REFER TO CITY OF CASEY STD. DRG. S-103 FOR DETAILS



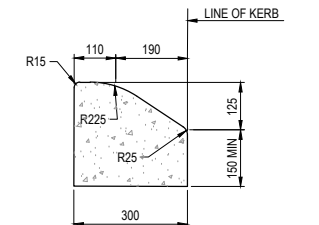
DETAIL E
NOT TO SCALE



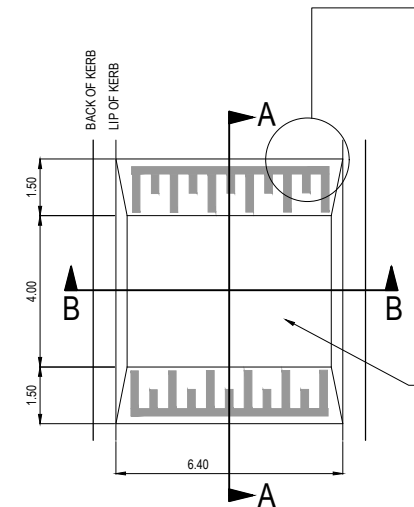
600 WIDE BARRIER KERB (600 B2) DETAIL
SCALE 1:10



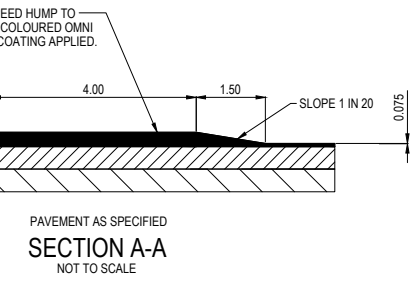
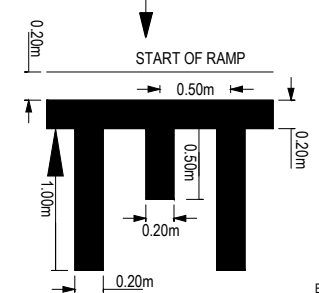
SM3 KERB DETAIL
SCALE 1:10



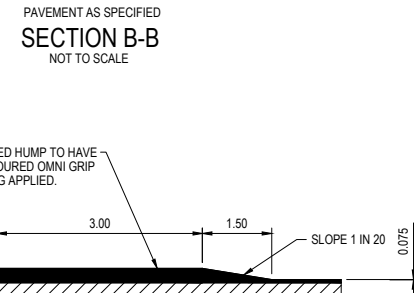
SM1 KERB DETAIL
SCALE 1:10



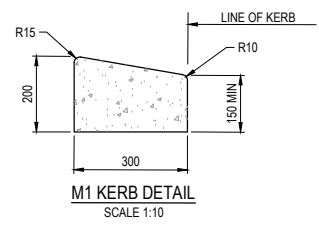
FLAT TOP SPEED HUMP DETAIL
NOT TO SCALE



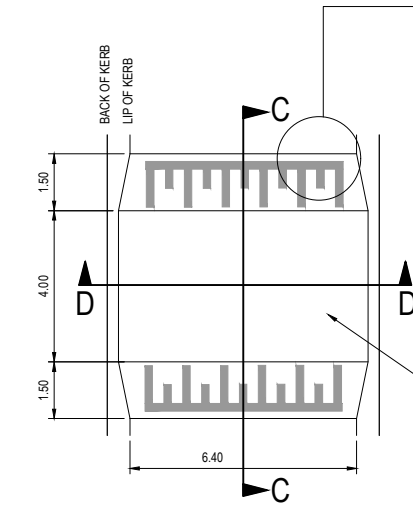
SECTION A-A
NOT TO SCALE



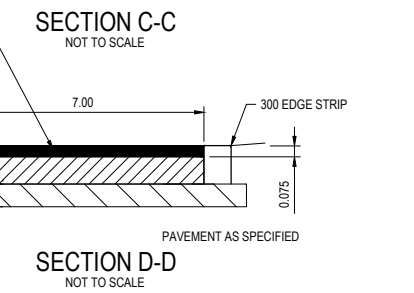
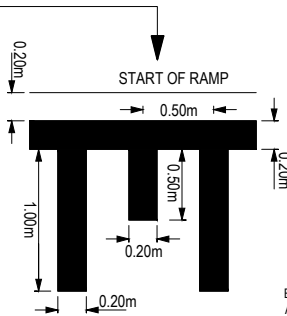
SECTION B-B
NOT TO SCALE



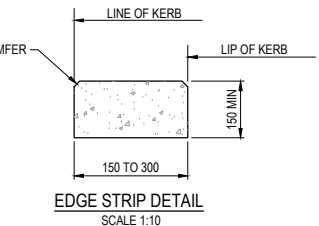
M1 KERB DETAIL
SCALE 1:10



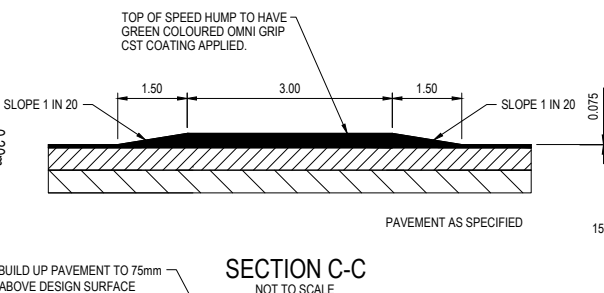
RAISED BICYCLE CROSSING DETAIL
NOT TO SCALE



SECTION C-C
NOT TO SCALE



EDGE STRIP DETAIL
SCALE 1:10



SECTION D-D
NOT TO SCALE

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.				
B	TYPE 3 PAVEMENT MAKEUP AMENDED	02.02.21	LM	DB
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB
P3	COUNCIL COMMENTS	31.08.20	LM	DB
P2	LOT LEVELS UPDATED	12.08.20	CD	LM
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM
REV	DESCRIPTION	DATE	DRN	APP



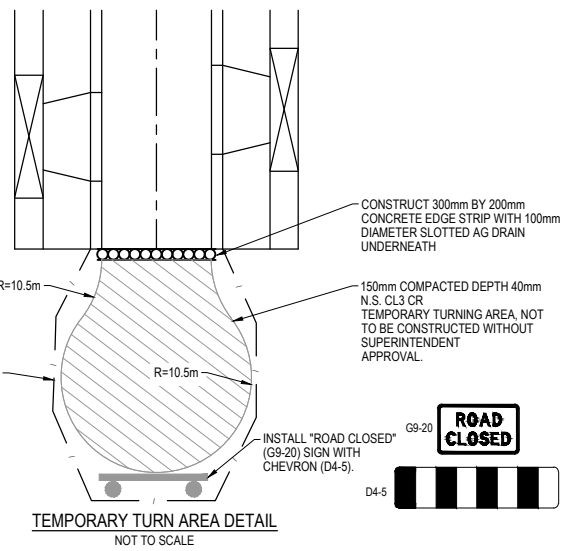
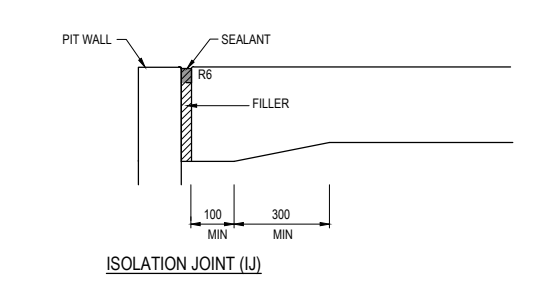
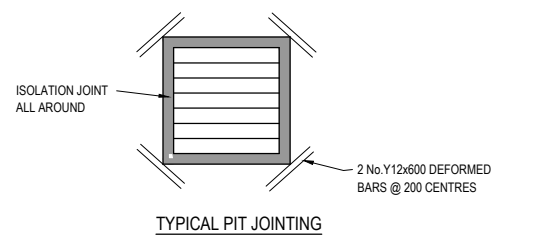
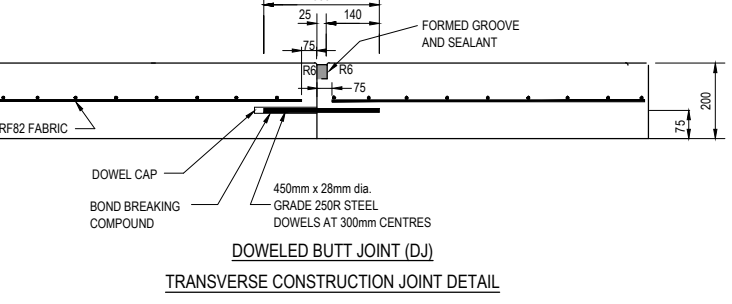
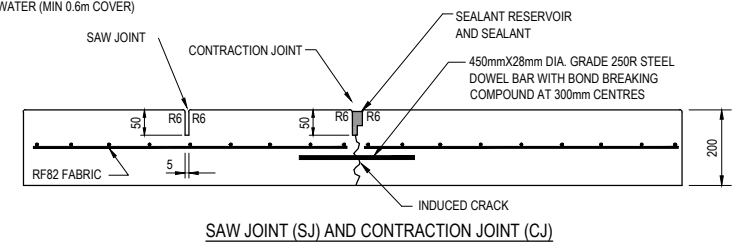
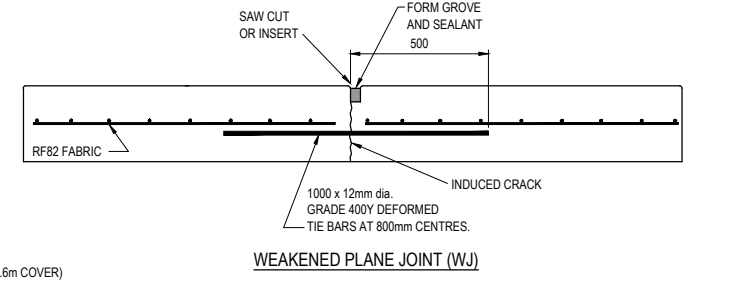
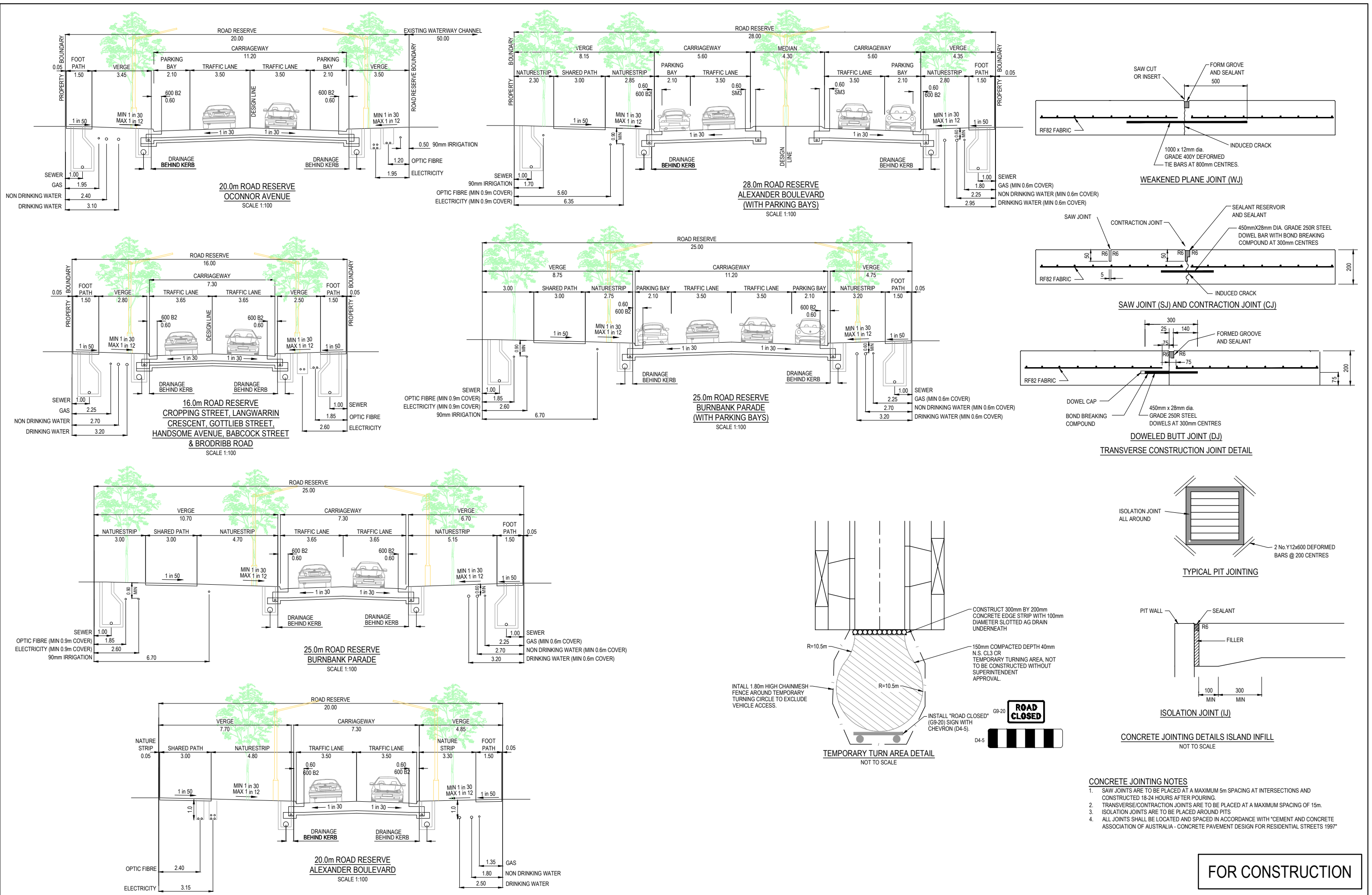
Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: PAVEMENT MAKEUP & GENERAL DETAILS

Sheet 02 of 39
 Scale: NOT TO SCALE
 Project Ref: 1101438 Stage No: 07 Drawing No: 002 Rev: B

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC) - Eng\Stage 7\Drawings\1101438-07-002-DET.dwg



CONCRETE JOINTING DETAILS ISLAND INFILL
NOT TO SCALE

- CONCRETE JOINTING NOTES**
- SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
 - TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 15m.
 - ISOLATION JOINTS ARE TO BE PLACED AROUND PITS.
 - ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH 'CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS 1997'

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

SMITHS LANE
CLYDE NORTH

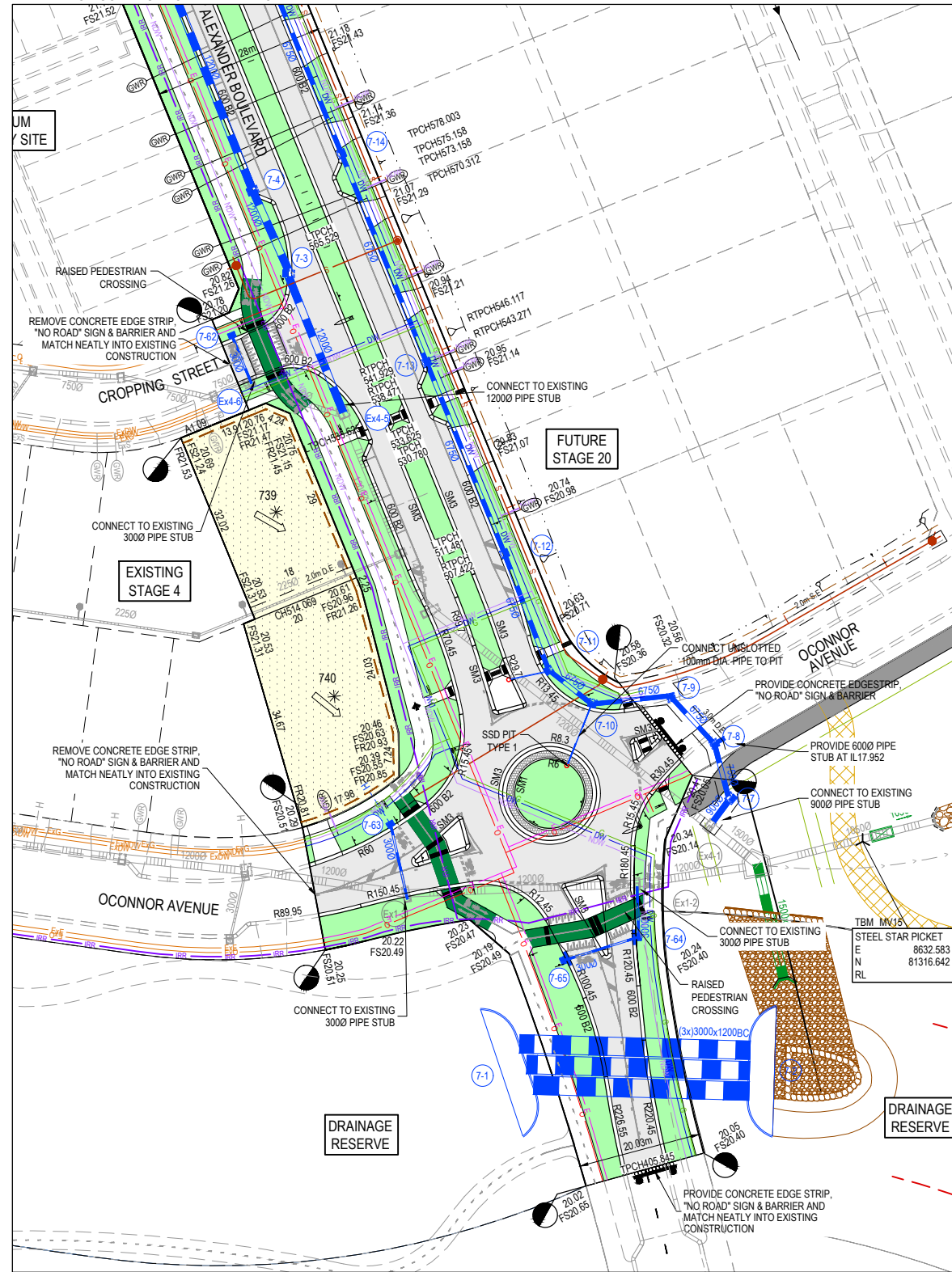
Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C

Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

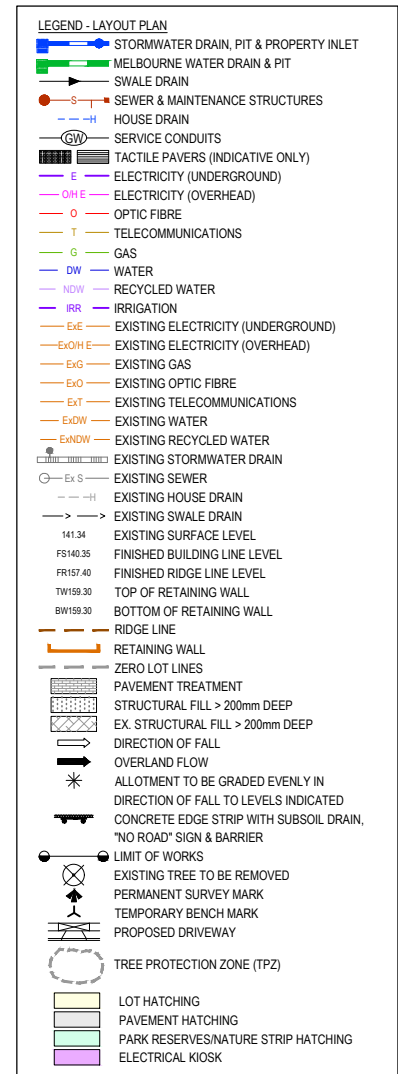
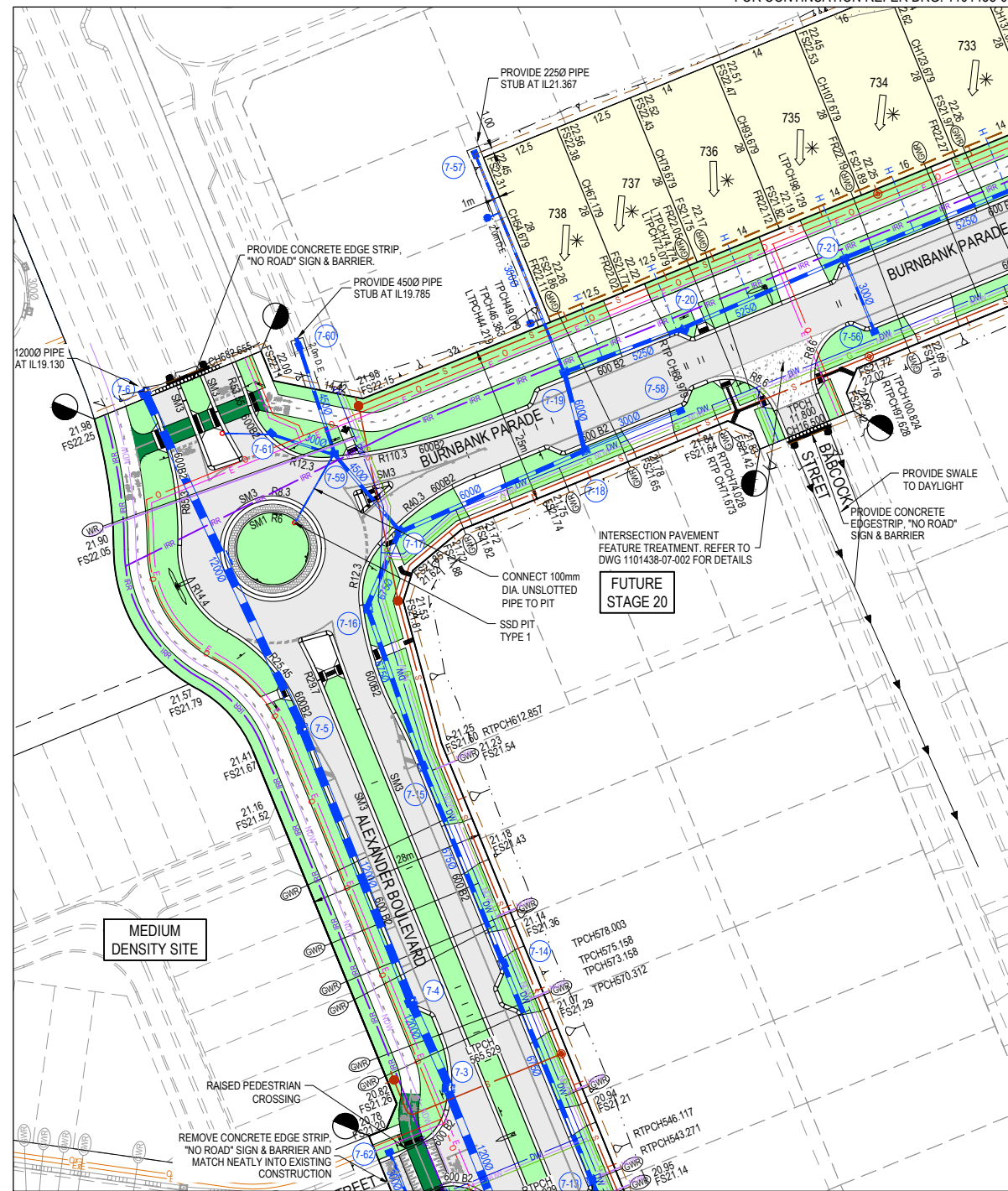
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: TYPICAL ROAD CROSS SECTIONS

Sheet 03 of 39
Scale: NOT TO SCALE
Project Ref: 1101438 Stage No: 07 Drawing No: 003 Rev: A

FOR CONTINUATION REFER BELOW LEFT



FOR CONTINUATION REFER DRG. 1101438-07-011



ROAD LAYOUT TABLE

Road Name	Reserve Width (m)	Road Width (m)			Verge Width (m)	
		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East
ALEXANDER BOULEVARD	28.00	5.50 (9.700)	7.00 (11.20)	7.90 (12.10)	10.10 (8.00)	6.30 (4.20)
ALEXANDER BOULEVARD	20.00	6.40	7.30	7.60	VARIES	VARIES
OCONNOR AVENUE	20.00	VARIES	VARIES	VARIES	VARIES	VARIES
CROPPING STREET	16.00	6.40	7.30	7.60	4.05	4.35
BURNBANK PARADE	25.00	6.40(10.30)	7.30(11.20)	7.60(11.50)	10.70(8.75)	6.70(4.75)
BABCOCK STREET	16.00	6.40	7.30	7.60	4.35	4.05
BRODRIBB ROAD	16.00	6.40	7.30	7.60	4.05	4.35
HANDSOME AVENUE	16.00	6.40	7.30	7.60	4.35	4.05
LANGWARRIN CRESCENT	16.00	6.40	7.30	7.60	4.05	4.35
GOTTLIEB STREET	16.00	6.40	7.30	7.60	4.05	4.35

NOTE: DIMENSIONS IN PARENTHESES INCLUDES PARKING LANE

SERVICE OFFSET TABLE

Location	Gas		ND - Water		Water		Electricity		Telecommunication		Sewer		Irrigation	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
ALEXANDER BOULEVARD	E	1.80	E/W	2.25/3.50	E	2.95	W	6.35	W	5.60	W/E	1.00/1.00	W	1.70
ALEXANDER BOULEVARD (SOUTH OF OCONNOR INT)	E	1.45	E	3.00	E	2.00	W	3.60	W	2.85	W/E	1.00/1.00	E	2.15
OCONNOR AVENUE	N	1.95	N	2.40	N	3.10	S	1.95	S	1.20	N	1.00	S	0.50
CROPPING STREET	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	-	-	-	-
BURNBANK PARADE	N	6.50	N	7.00	N	7.50	S	2.60	S	1.85	S/N	1.00/1.00	N	6.70
BABCOCK STREET	W	2.25	W	2.70	W	3.20	E	2.60	E	1.85	W/E	1.00/1.00	-	-
BRODRIBB ROAD	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	W/E	1.00/1.00	-	-
HANDSOME AVENUE (LOTS 719-720)	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	S	1.00	-	-
HANDSOME AVENUE (LOTS 721-729)	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	W/E	1.00/1.00	-	-
LANGWARRIN CRESCENT (LOTS 701-702)	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	S	1.00	-	-
LANGWARRIN CRESCENT (LOTS 715-718)	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	S/N	1.00/1.00	-	-
GOTTLIEB STREET	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	S/N	1.00/1.00	-	-

NOTE: STREET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	SHARED CROSSING LINEMARKING AMENDED	23.10.20	LM	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM	D	SPLITTER ISLAND KERBS CHANGED TO SM3	02.02.21	LM	DB
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM	C	FOOTPATH SOUTH OF ROUNDABOUT SHIFTED	2.12.20	CD	LM

SMITHS LANE
CLYDE NORTH

Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

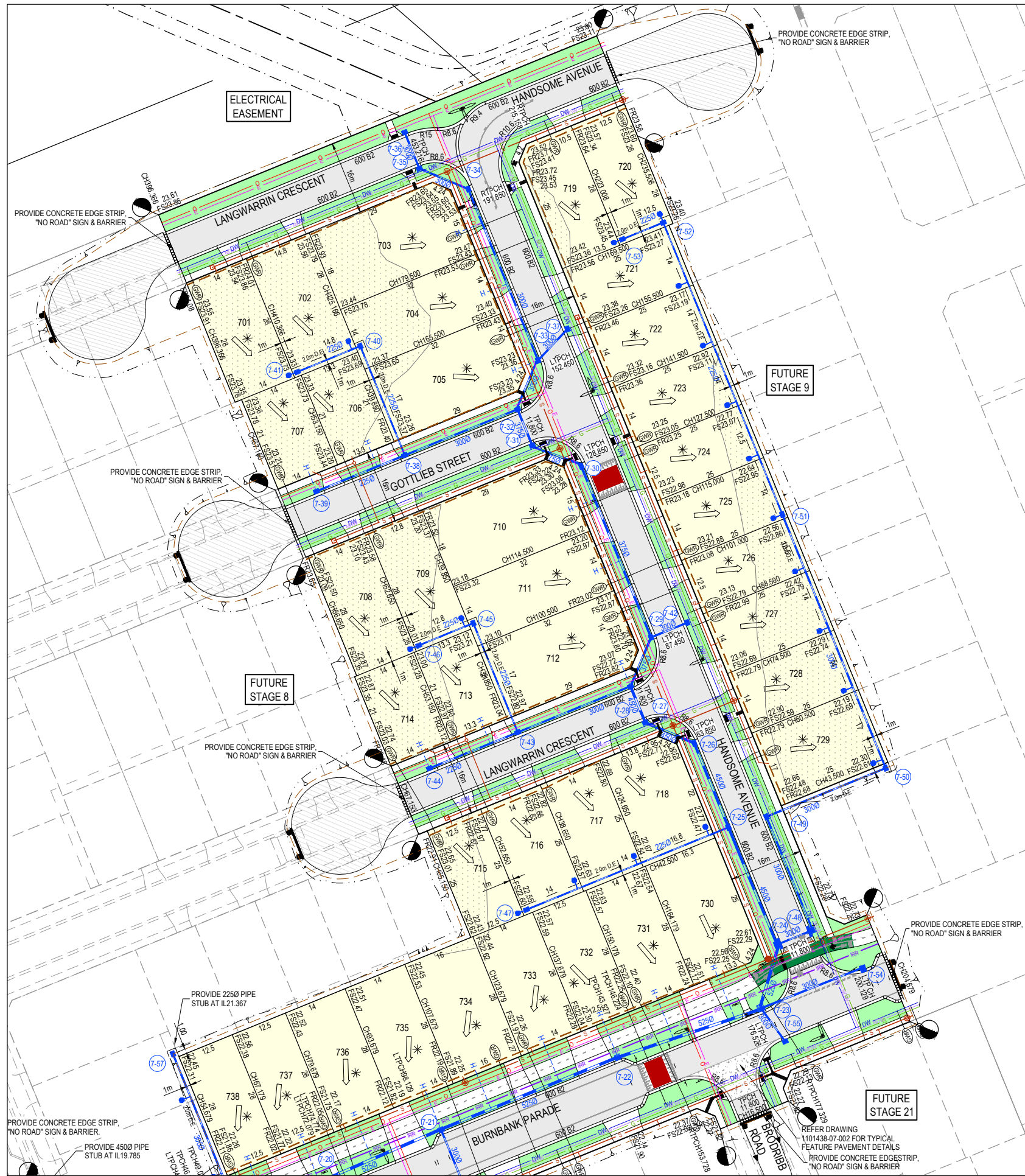
BW Beveridge Williams
 1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

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.
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

FOR CONSTRUCTION

Sheet 04 of 39
 Scale: 1:500 @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 010 Rev: D



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- IRRIGATION
- EXISTING ELECTRICITY (UNDERGROUND)
- EX-OH-E EXISTING ELECTRICITY (OVERHEAD)
- EX-O EXISTING GAS
- EX-O EXISTING OPTIC FIBRE
- EX-T EXISTING TELECOMMUNICATIONS
- EX-DW EXISTING WATER
- EX-RDW EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EX-S EXISTING SEWER
- EX-H EXISTING HOUSE DRAIN
- EX-SW EXISTING SWALE DRAIN
- EX-SL EXISTING SURFACE LEVEL
- FS140.35 FINISHED BUILDING LINE LEVEL
- FR157.40 FINISHED RIDGE LINE LEVEL
- TW159.30 TOP OF RETAINING WALL
- BW159.30 BOTTOM OF RETAINING WALL
- RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)
- LOT HATCHING
- PAVEMENT HATCHING
- PARK RESERVES/NATURE STRIP HATCHING
- ELECTRICAL KIOSK

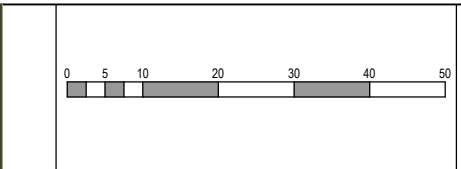
WARNING
BWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site.
 No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

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.
B	SHARED CROSSING LINEMARKING AMENDED	23.10.20	LM	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED & PBAY ADDED ON BURBANK	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

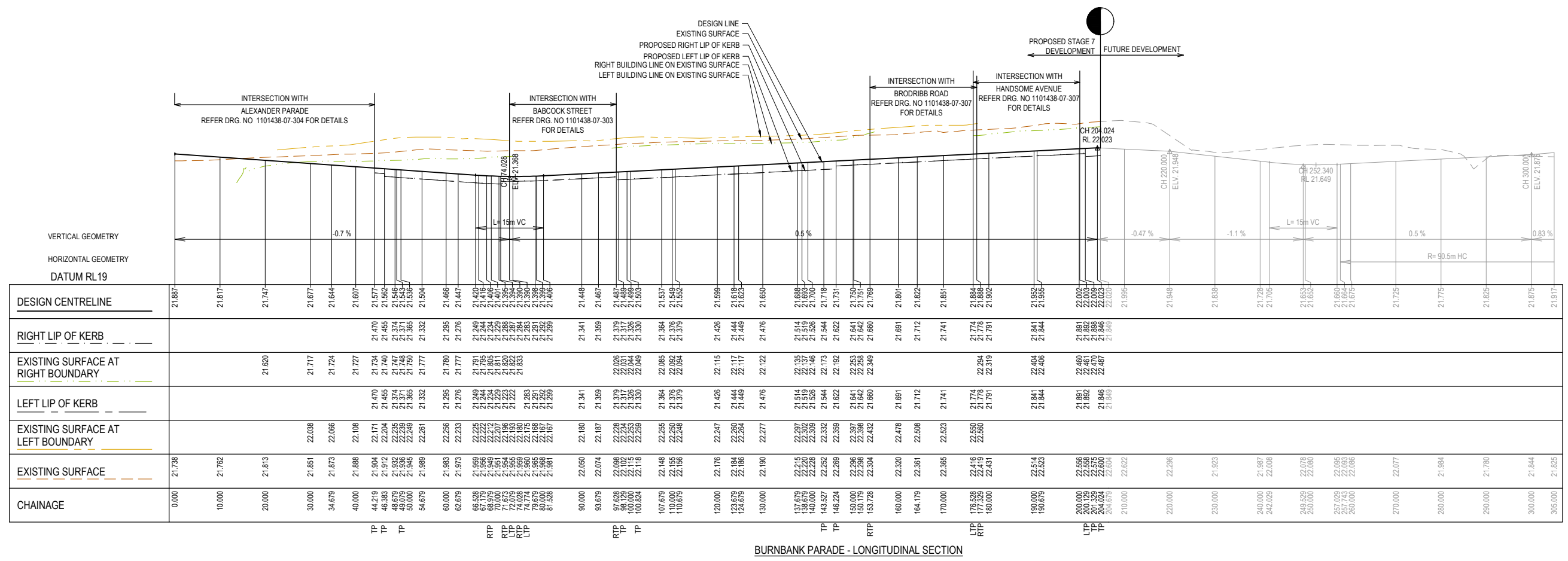


Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: LAYOUT PLAN (SHEET 2 OF 2)
 Project Ref: 1101438 Stage No: 07 Drawing No: 011 Rev: B

Sheet 05 of 39
 Scale: 1:500 @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 011 Rev: B

\\netstor01.bw.local\data\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC)_Eng\Stage 7\Drawings\1101438-07-010-LAY.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



BURNBANK PARADE - LONGITUDINAL SECTION

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	BURNBANK HIGH POINT MOVED TO CH204.024	02.11.20	CD	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
02.11.20	CD	DB		BURNBANK HIGH POINT MOVED TO CH204.024	07.10.20	LM	DB
07.10.20	LM	DB		ISSUED FOR CONSTRUCTION	31.08.20	LM	DB
31.08.20	LM	DB		COUNCIL COMMENTS	12.08.20	CD	LM
12.08.20	CD	LM		LOT LEVELS UPDATED	30.06.20	CD	LM
30.06.20	CD	LM		ISSUED FOR INFORMATION			

Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

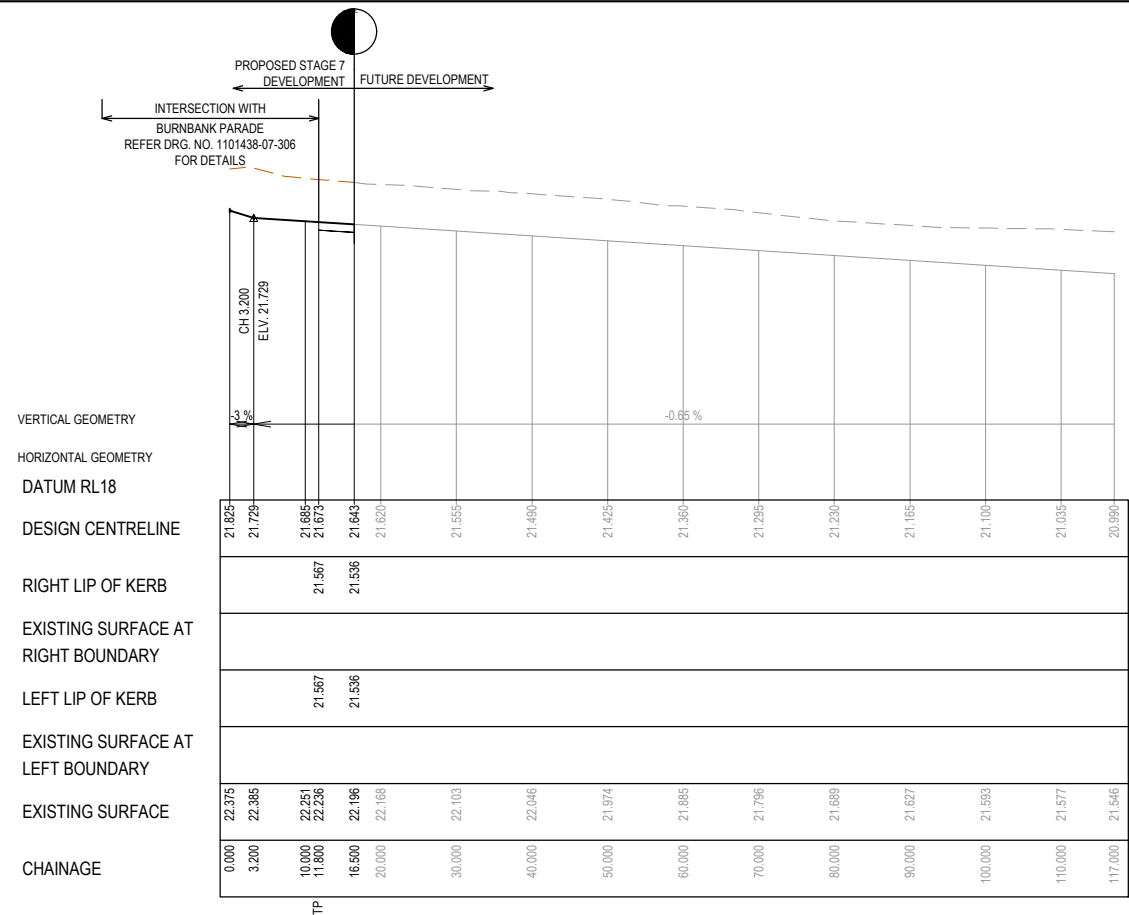
BW Beveridge Williams
 1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: ROAD LONGITUDINAL SECTIONS BURNBANK PARADE

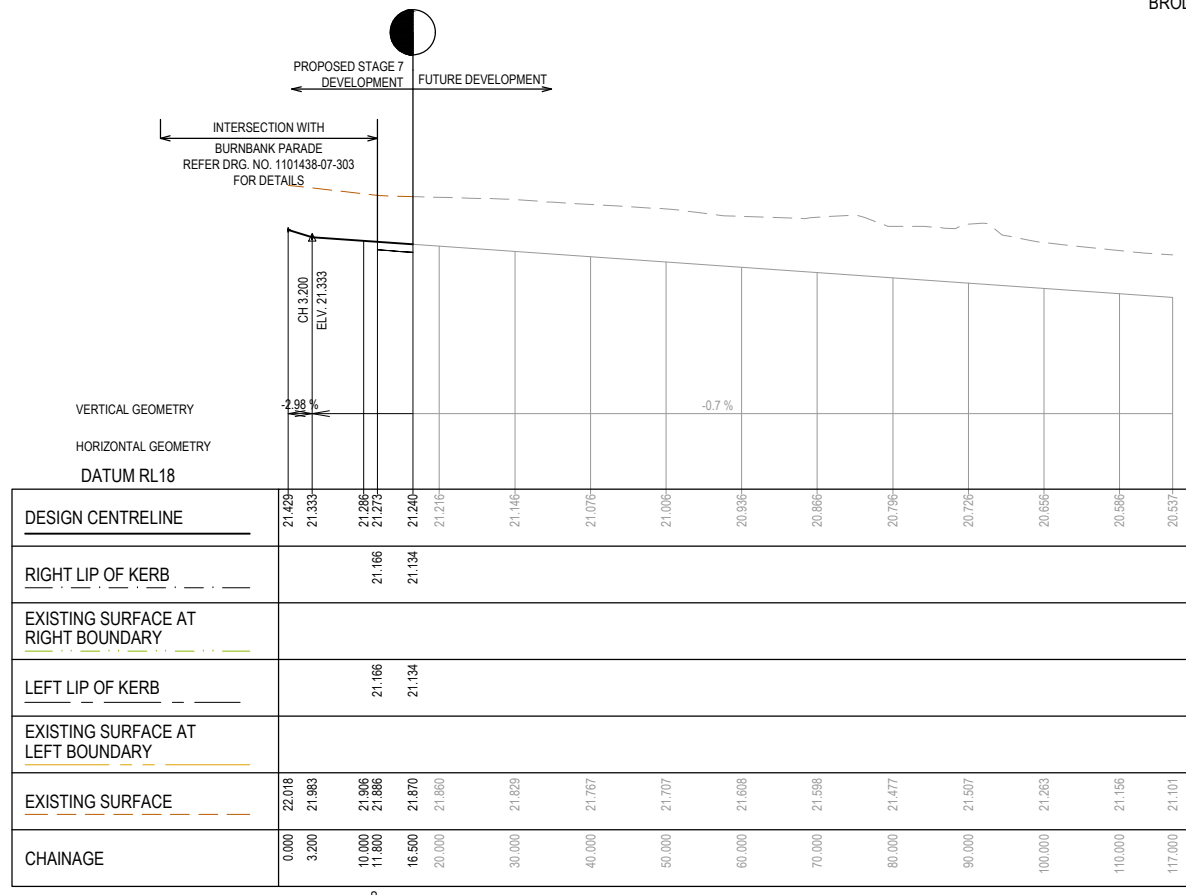
Sheet 07 of 39
 Scale: 1:500 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 101 Rev: B

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-100-RLS.dwg

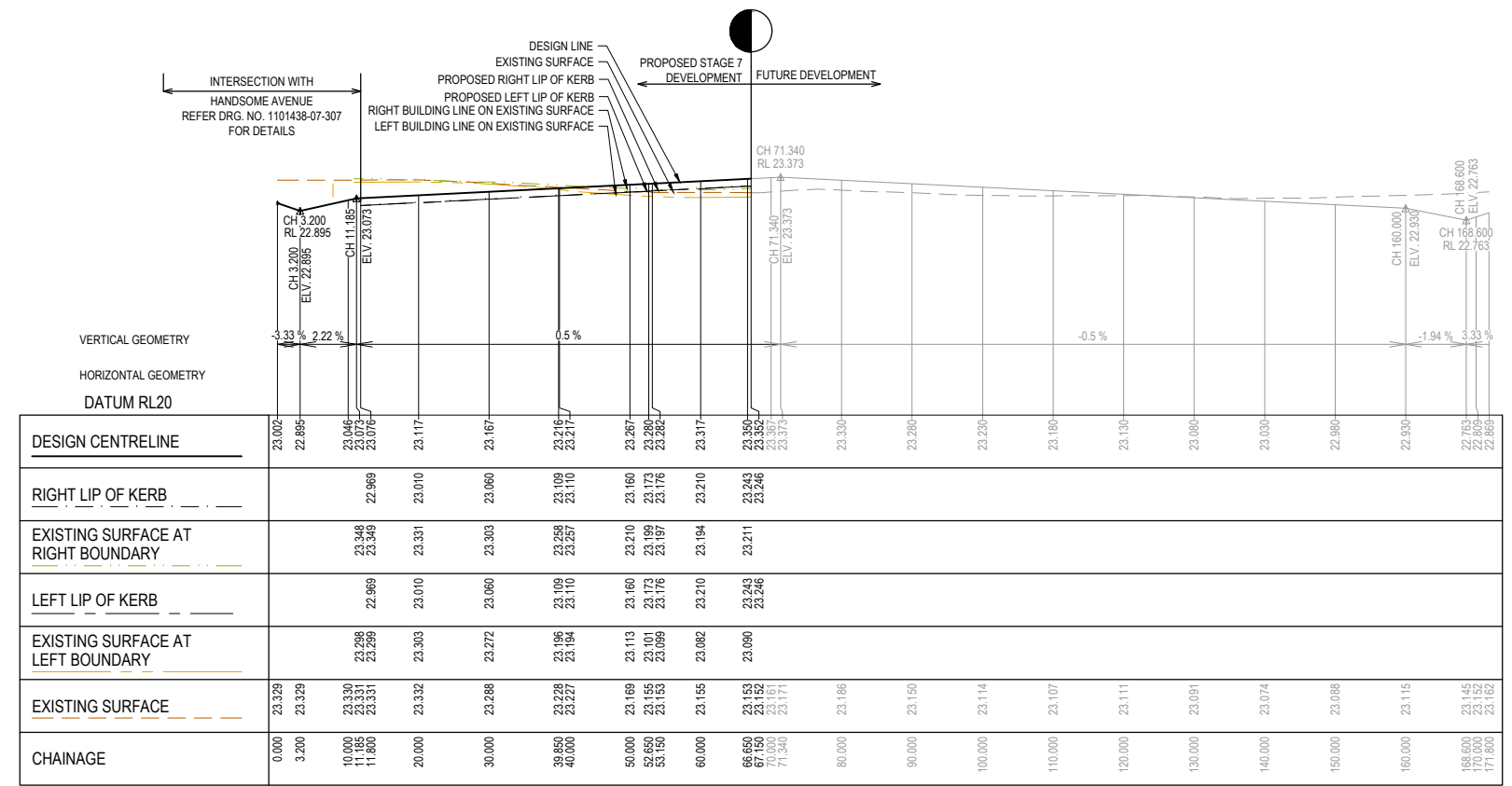
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



BRODRIBB ROAD LONGITUDINAL SECTION



BABCOCK STREET LONGITUDINAL SECTION

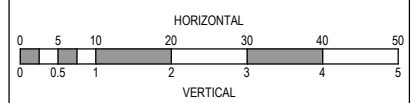


GOTTLIEB STREET - LONGITUDINAL SECTION

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C

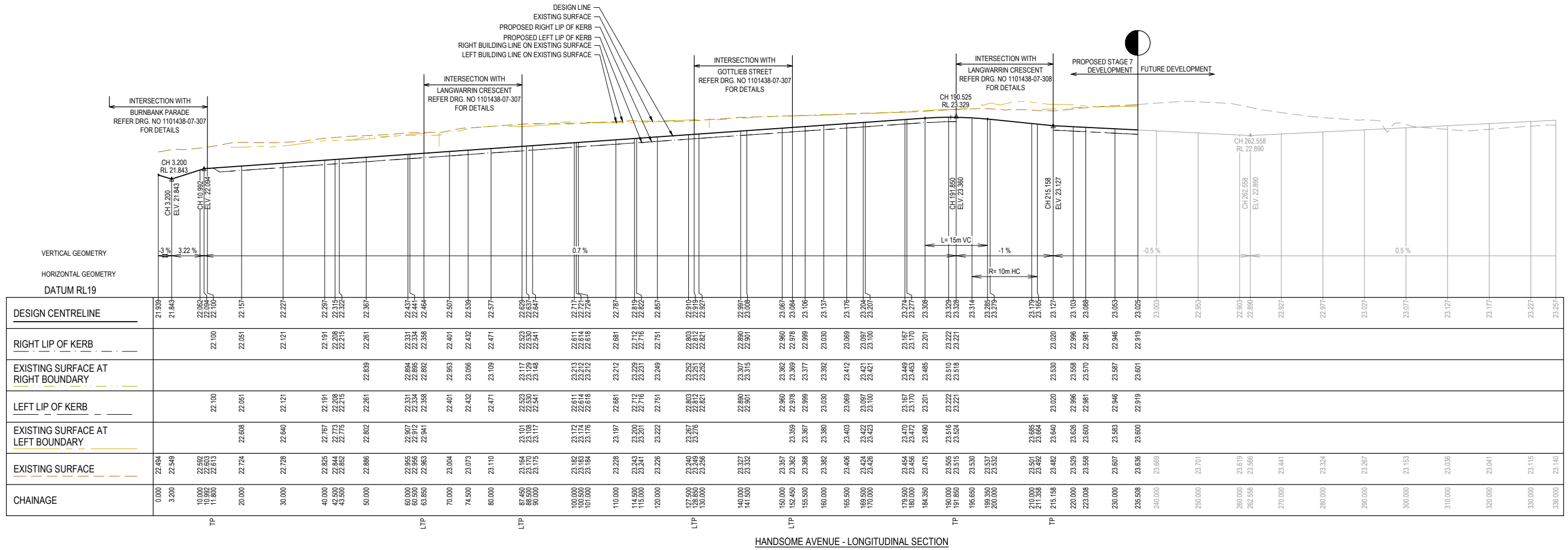


Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD LONGITUDINAL SECTIONS BABCOCK STREET, BRODLIBB ROAD & GOTTLIEB STREET

Sheet 08 of 39
Scale: 1:500 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 102 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-100-RLS.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

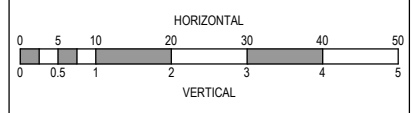


HANDSOME AVENUE - LONGITUDINAL SECTION

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C

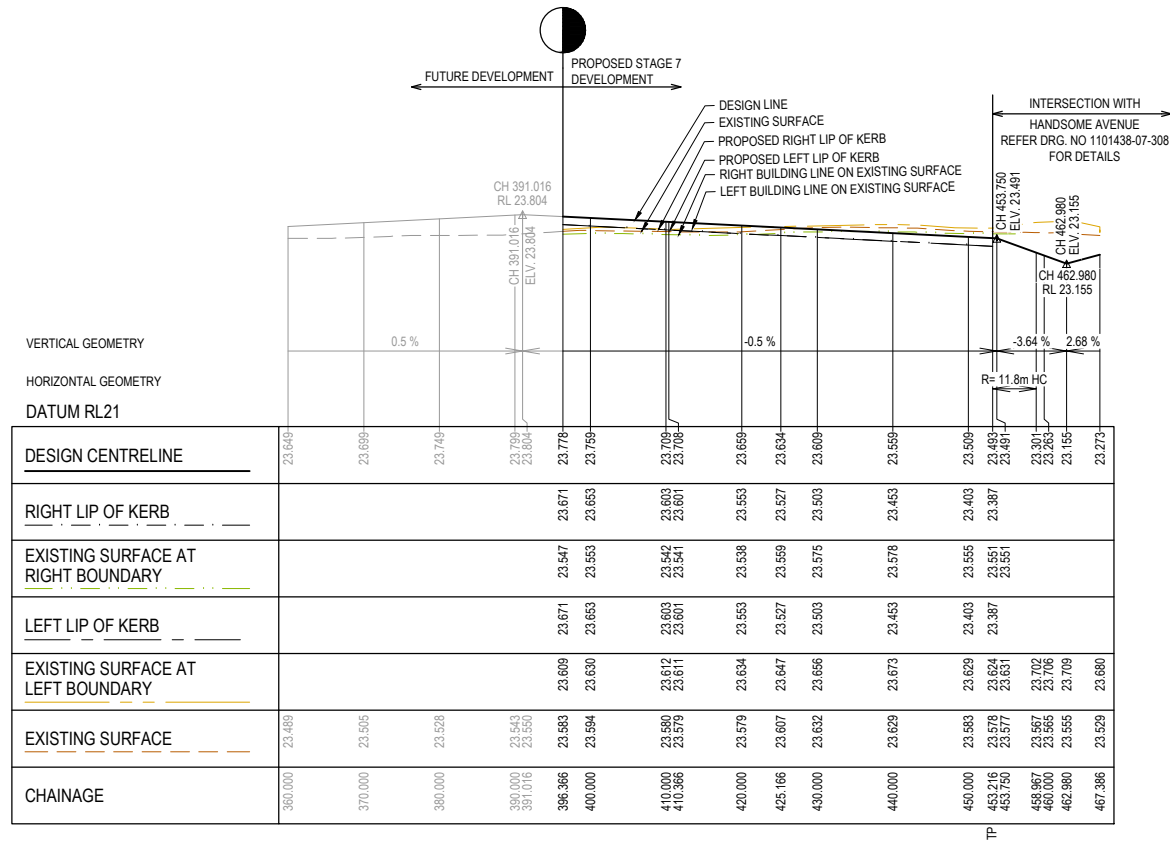


Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD LONGITUDINAL SECTIONS HANDSOME AVENUE

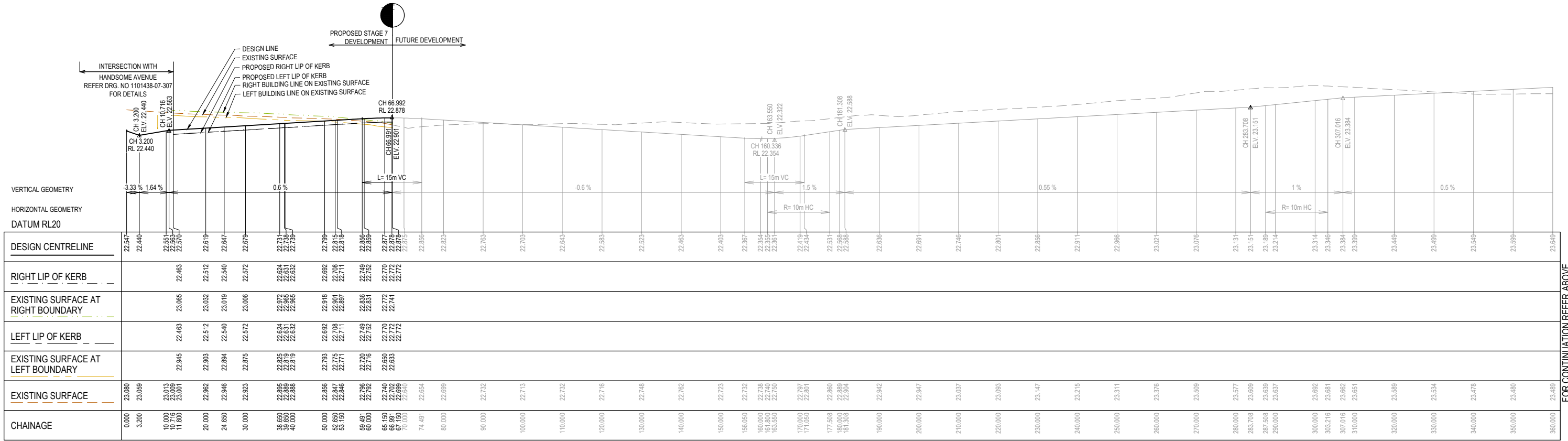
Sheet 09 of 39
Scale: 1:500 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 103 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-100-RLS.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



LANGWARRIN CRESCENT - LONGITUDINAL SECTION

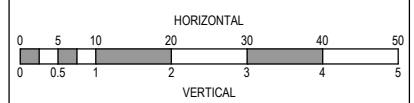


LANGWARRIN CRESCENT - LONGITUDINAL SECTION

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



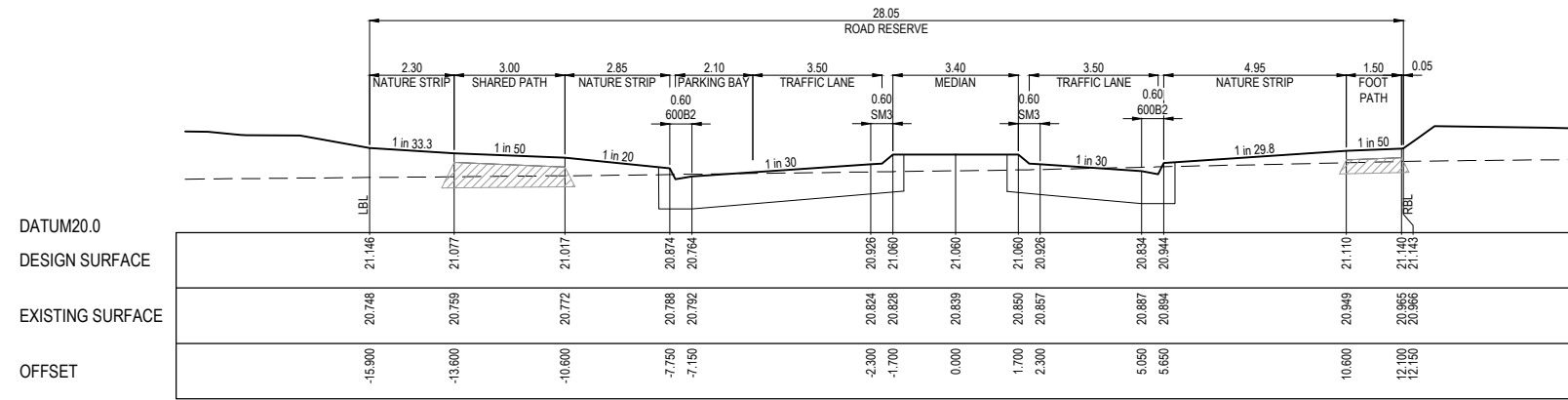
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD LONGITUDINAL SECTIONS LANGWARRIN CRESCENT

Sheet 10 of 39
Scale: 1:500 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 104 Rev: A

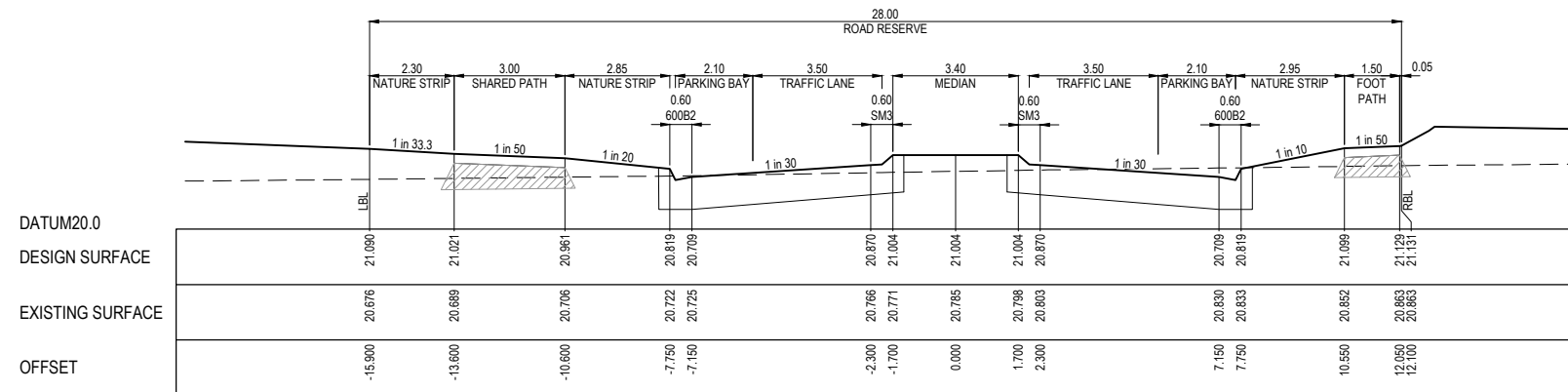
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

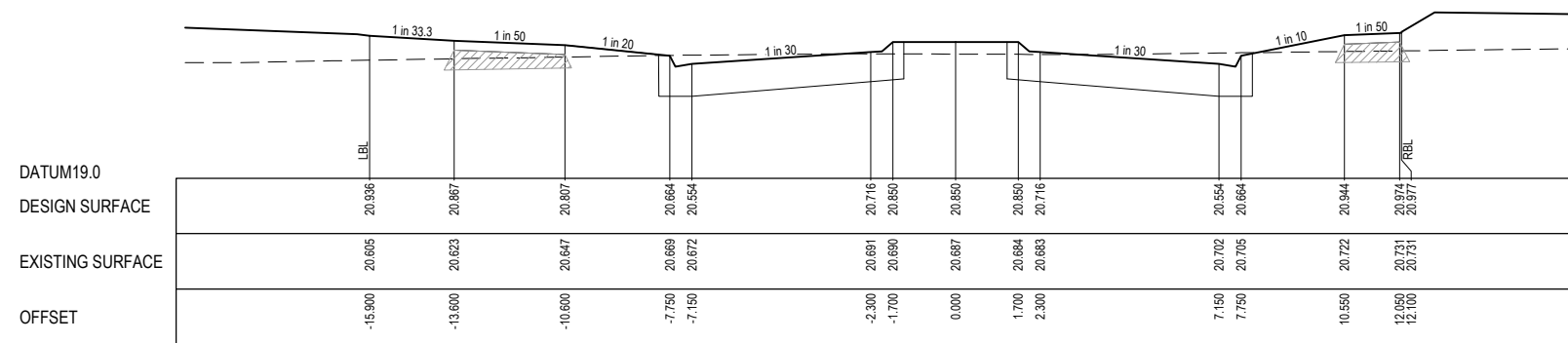
- EXISTING SURFACE
- DESIGN SURFACE
- STRUCTURAL FILL



LTPCH 541.929



TPCH 530.780

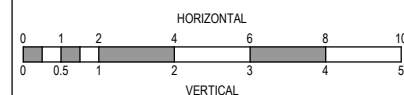


LTPCH 511.481

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.
B	DRAFTING AMENDMENTS	02.11.20	CD	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date
S. GILBERT
01.04.20

Drawn
M.F. JAURIGUE

Approved Date
L. MURRAY

PS Number
PS837138C



Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title
ROAD CROSS SECTIONS
ALEXANDER BOULEVARD
(SHEET 1 OF 2)

Sheet 11 of 39

Scale
1:100 H 1:50 V @ A1

Project Ref
1101438

Stage No
07

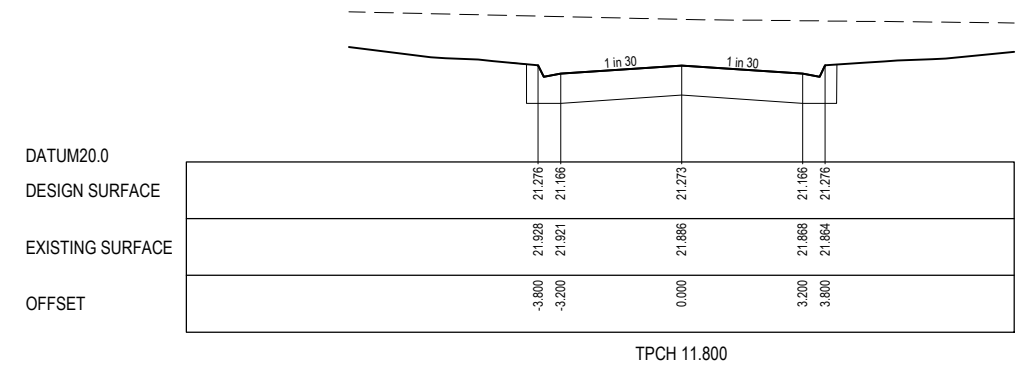
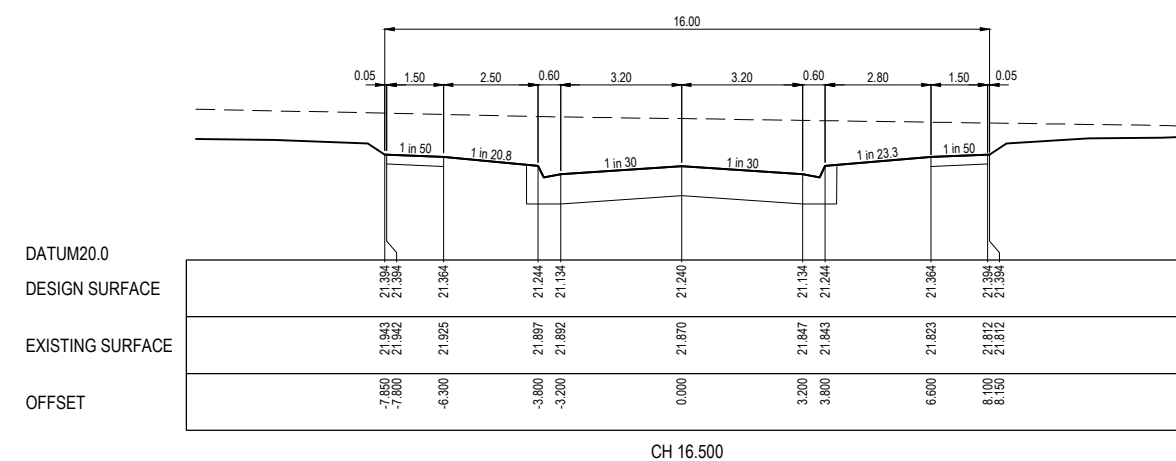
Drawing No
200

Rev
B

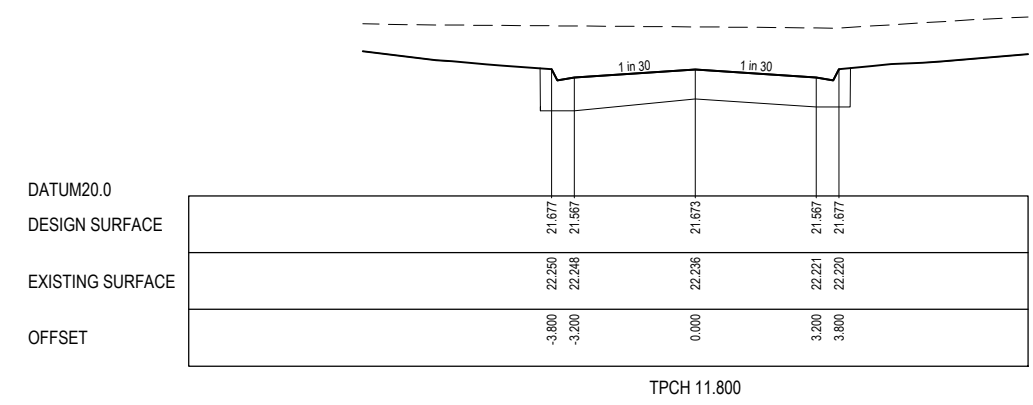
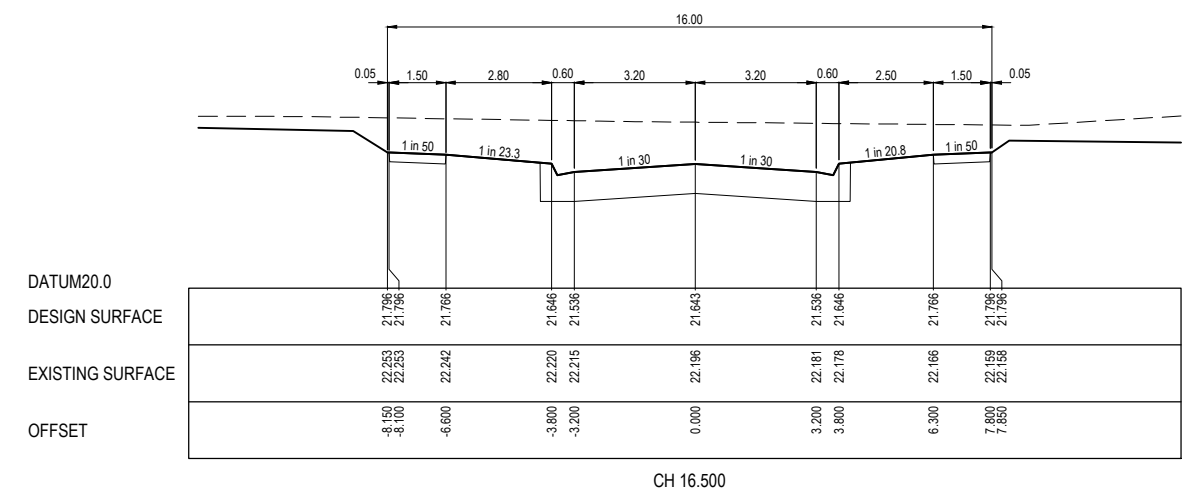
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



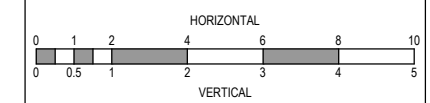
BABCOCK STREET CROSS SECTIONS



BRODRIBB ROAD CROSS SECTIONS

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
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB		
P3	COUNCIL COMMENTS	31.08.20	LM	DB		
P2	LOT LEVELS UPDATED	12.08.20	CD	LM		
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM		



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



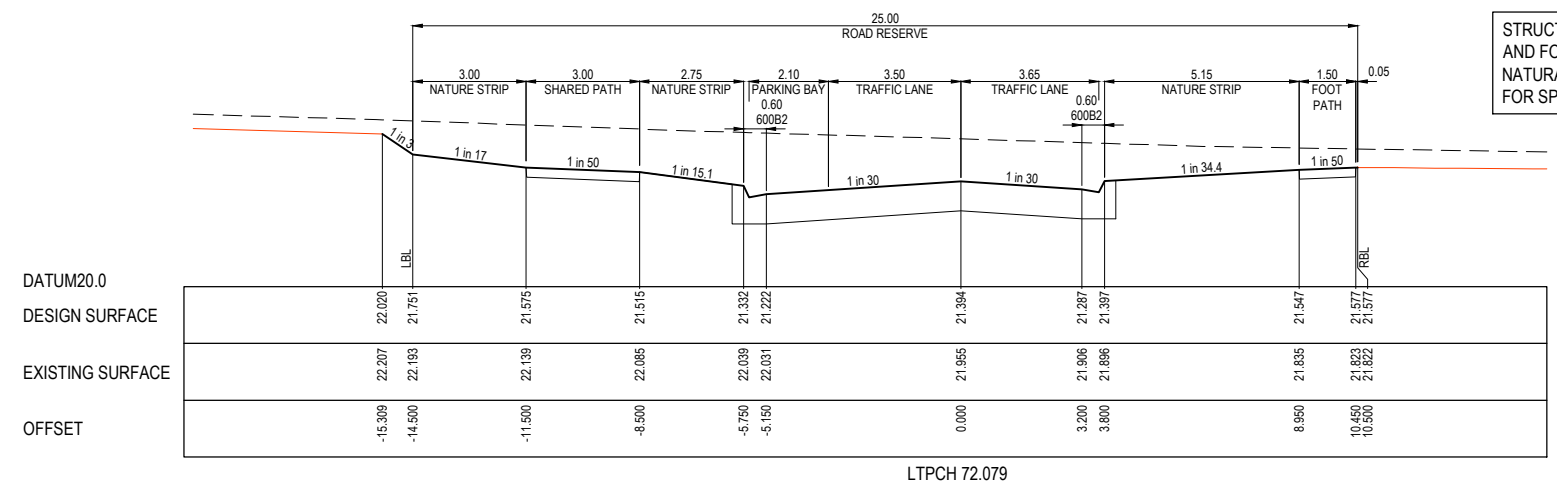
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD CROSS SECTIONS BABCOCK STREET & BRODRIBB ROAD

Sheet 13 of 39		
Scale: 1:100 H 1:50 V @ A1		
Project Ref: 1101438	Stage No: 07	Drawing No: 202
		Rev: A

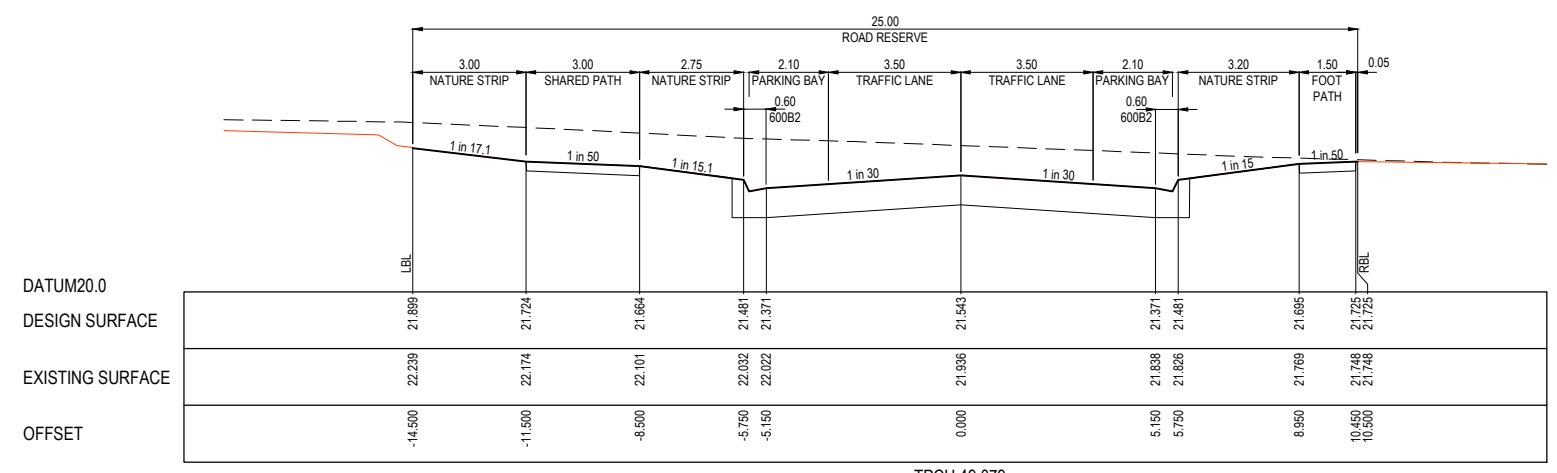
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

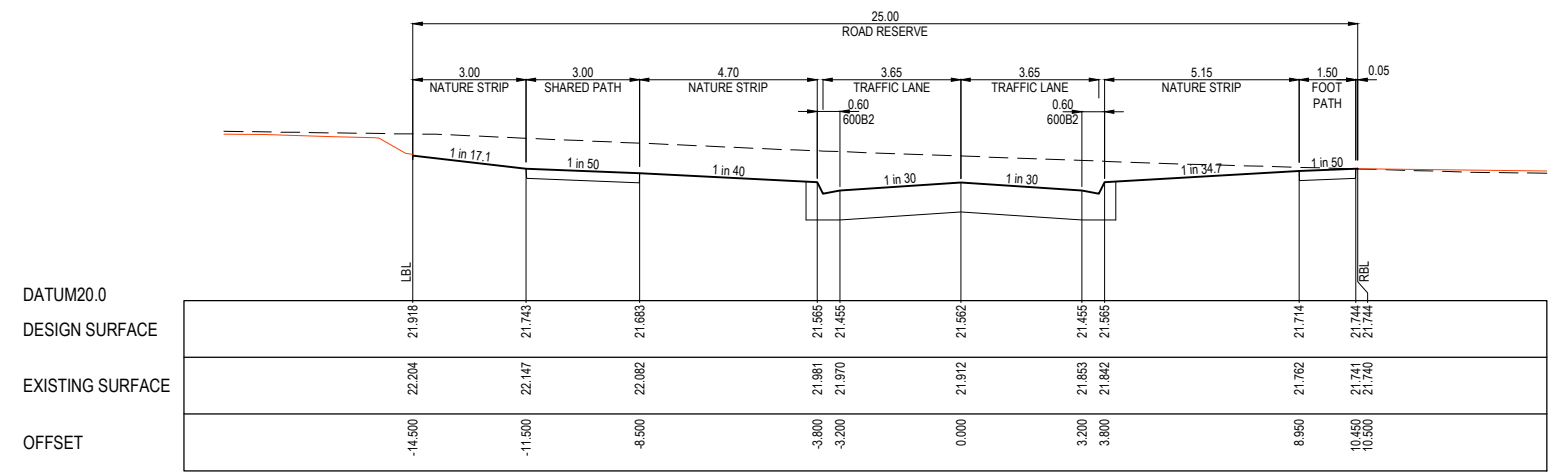
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



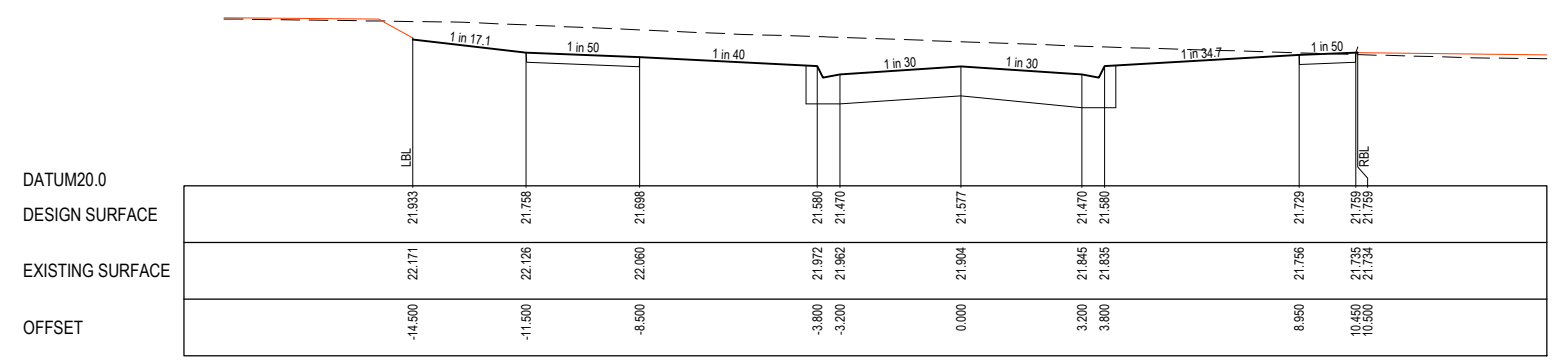
LTPCH 72.079



TPCH 49.079



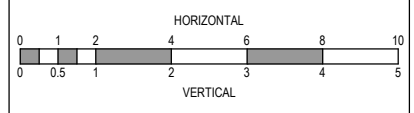
TPCH 46.383



TPCH 44.219

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.						
B	BURNBANK CENTRELINE HEIGHT ADJUSTED	02.11.20	CD	DB		
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB		
P3	COUNCIL COMMENTS	31.08.20	LM	DB		
P2	LOT LEVELS UPDATED	12.08.20	CD	LM		
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM		
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C




BW Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

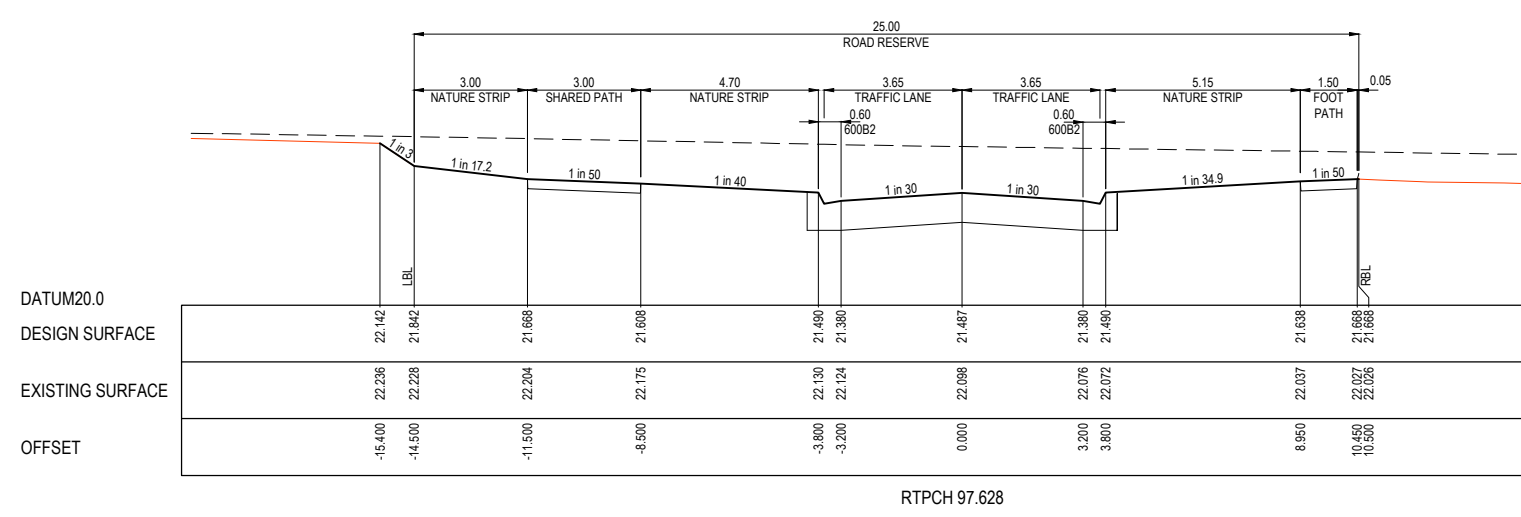
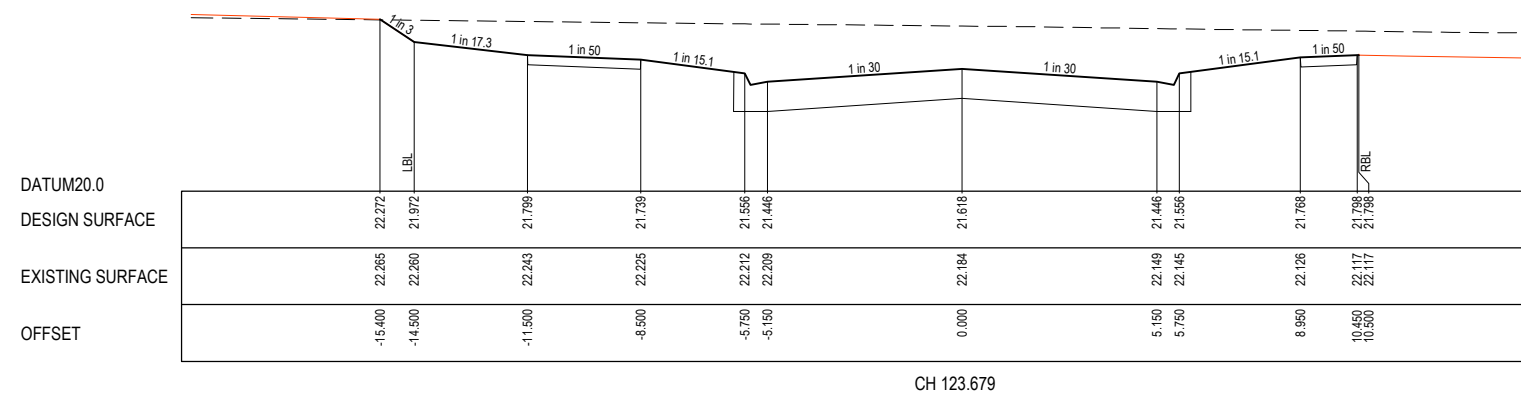
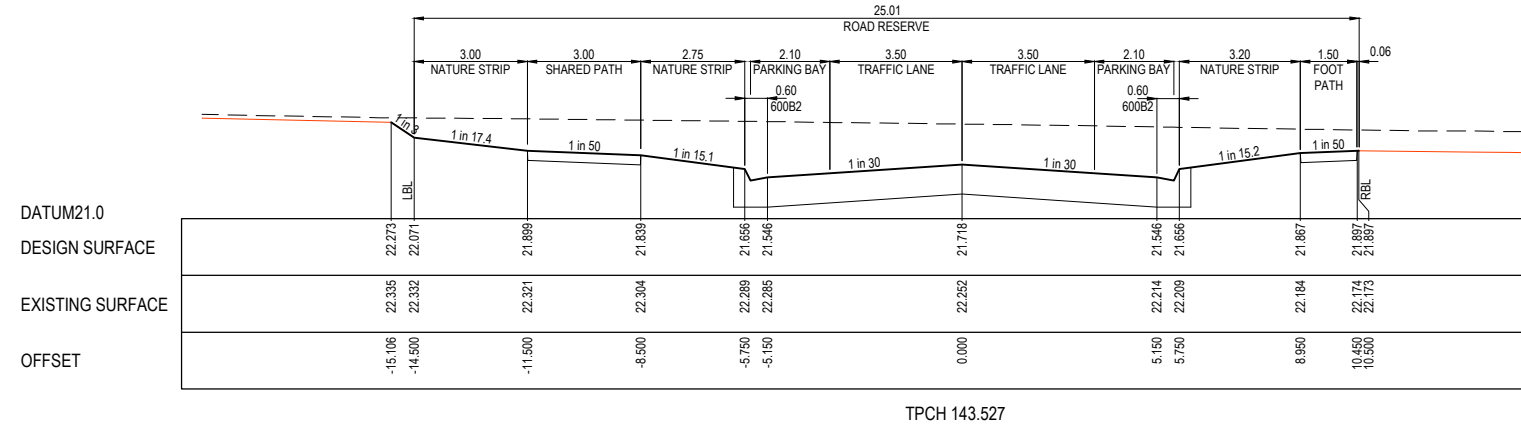
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 1 OF 3)

Sheet 14 of 39
Scale: 1:100 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 203 Rev: B

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

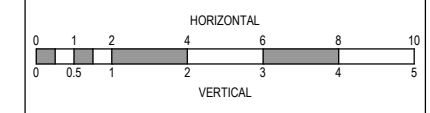
LEGEND

-  EXISTING SURFACE
-  DESIGN SURFACE
-  STRUCTURAL FILL



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	BURBANK CENTRELINER HEIGHT ADJUSTED	02.11.20	CD	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

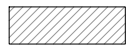
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 2 OF 3)

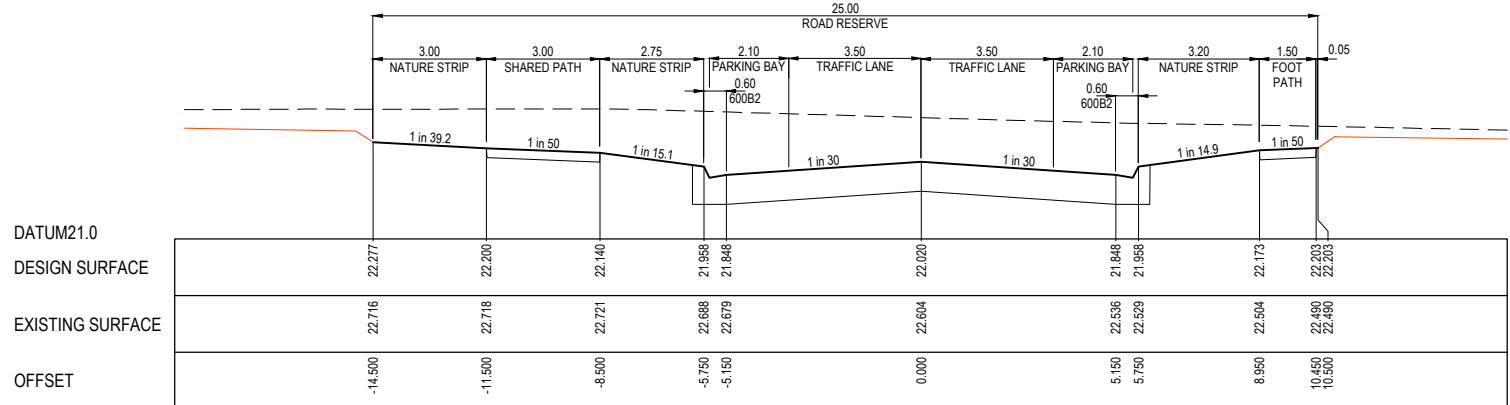
Sheet 15 of 39	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1101438	Stage No: 07
Drawing No: 204	Rev: B

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC) - Eng\Stage 7\Drawings\1101438-07-200-RXS.dwg

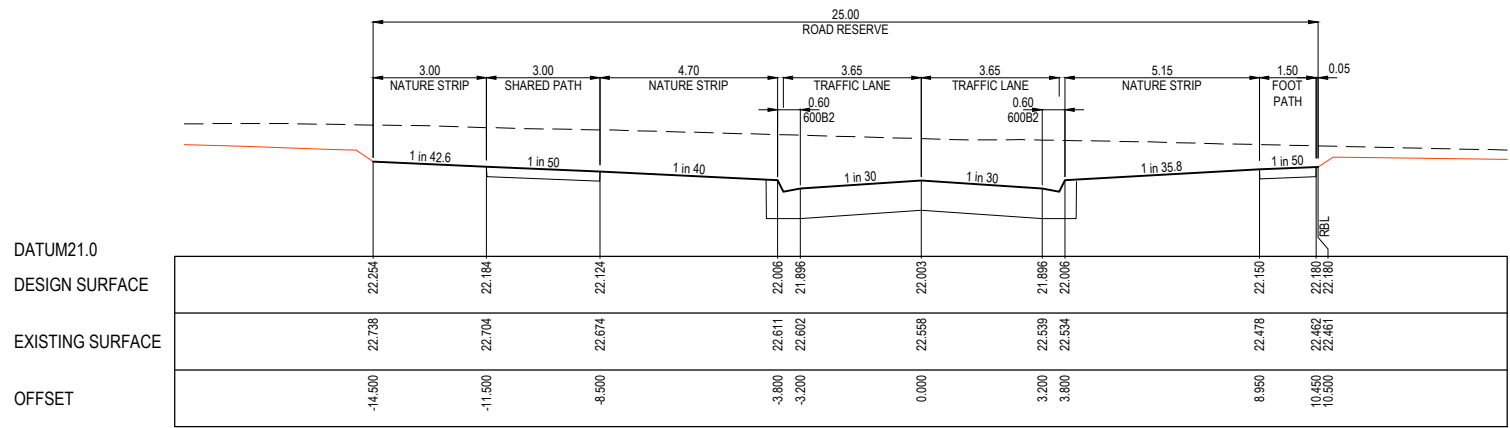
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

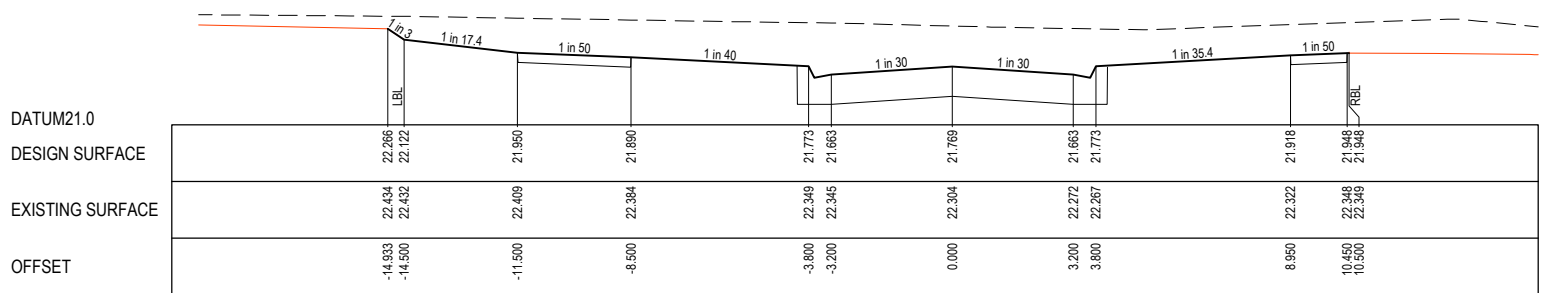
- EXISTING SURFACE
- DESIGN SURFACE
-  STRUCTURAL FILL



CH 204.679
(LIMIT OF STAGE 7 WORKS)



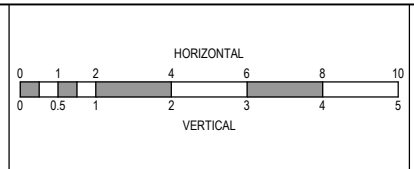
LTPCH 200.129



RTPCH 153.728

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										
B	BURNBANK CENTRELINE HEIGHT ADJUSTED	02.11.20	CD	DB						
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB						
P3	COUNCIL COMMENTS	31.08.20	LM	DB						
P2	CH204.679 CROSS SECTION UPDATED	12.08.20	CD	LM						
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM						
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C

1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 3 OF 3)

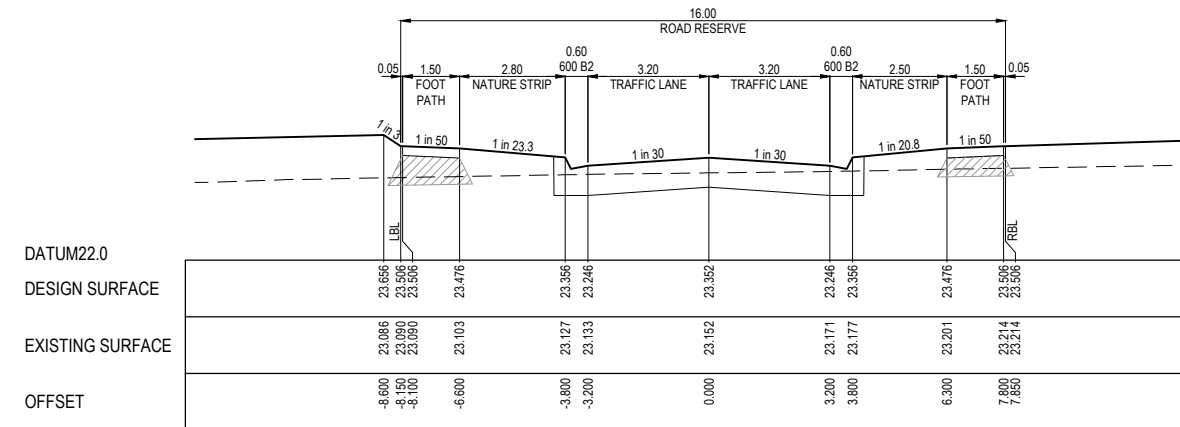
Sheet 16 of 39	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1101438	Stage No: 07
Drawing No: 205	Rev: B

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC) - Eng\Stage 7\Drawings\1101438-07-200-RXS.dwg

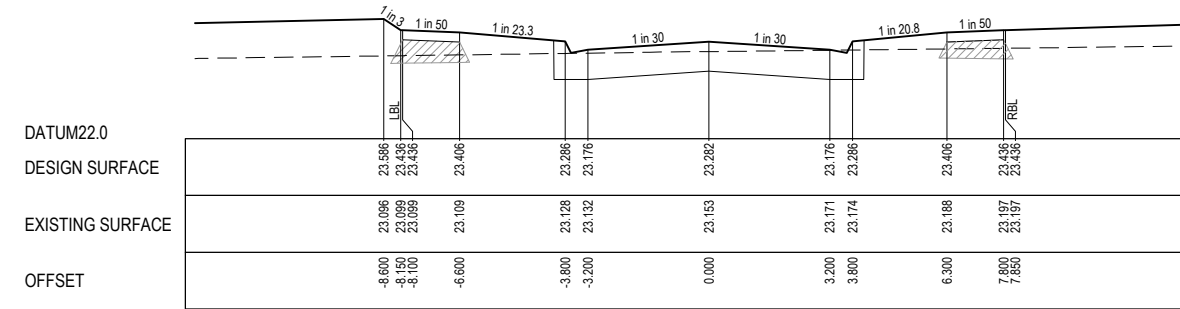
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

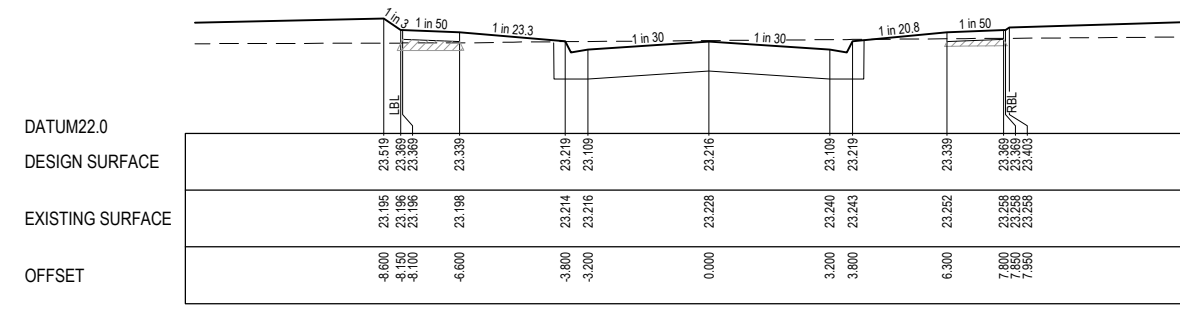
--- EXISTING SURFACE
 — DESIGN SURFACE
 [Hatched Box] STRUCTURAL FILL



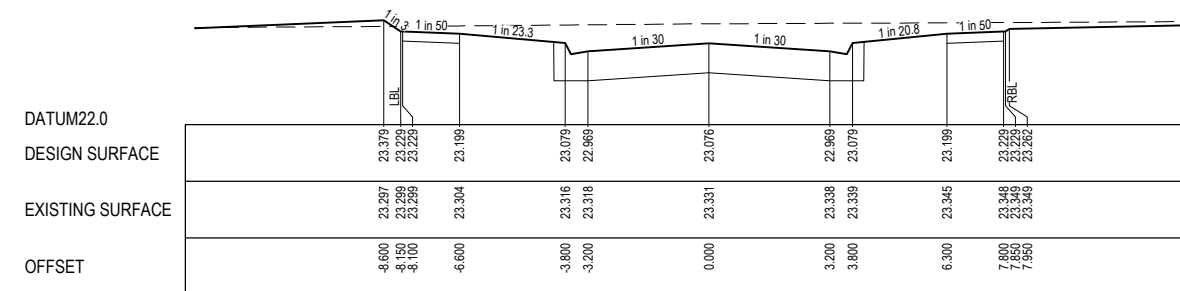
CH 67.150



CH 53.150



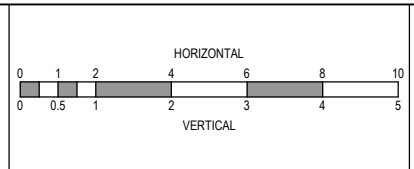
CH 39.850



TPCH 11.800

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
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB		
P3	COUNCIL COMMENTS	31.08.20	LM	DB		
P2	LOT LEVELS UPDATED	12.08.20	CD	LM		
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM		



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

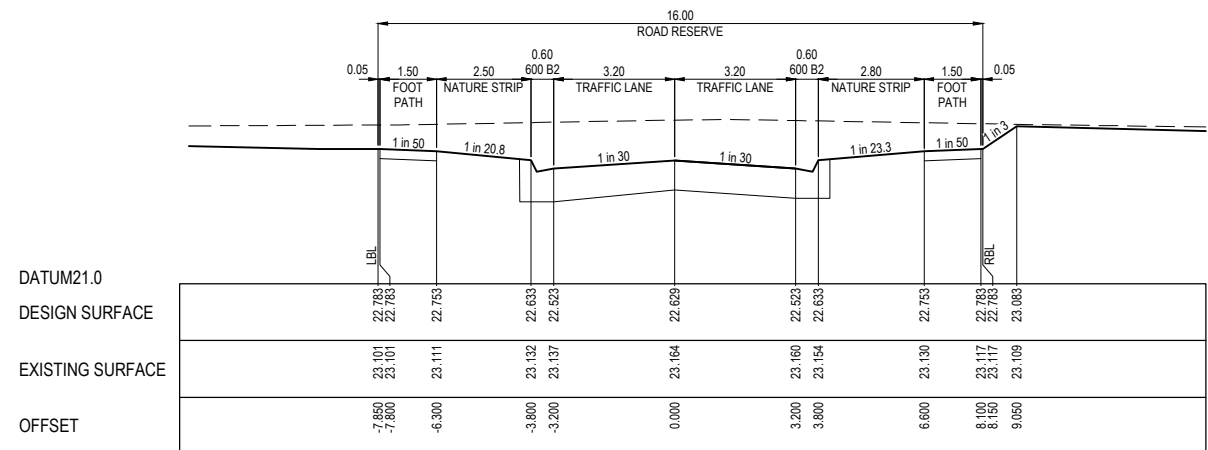
BW Beveridge Williams
 1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: ROAD CROSS SECTIONS GOTTLIEB STREET

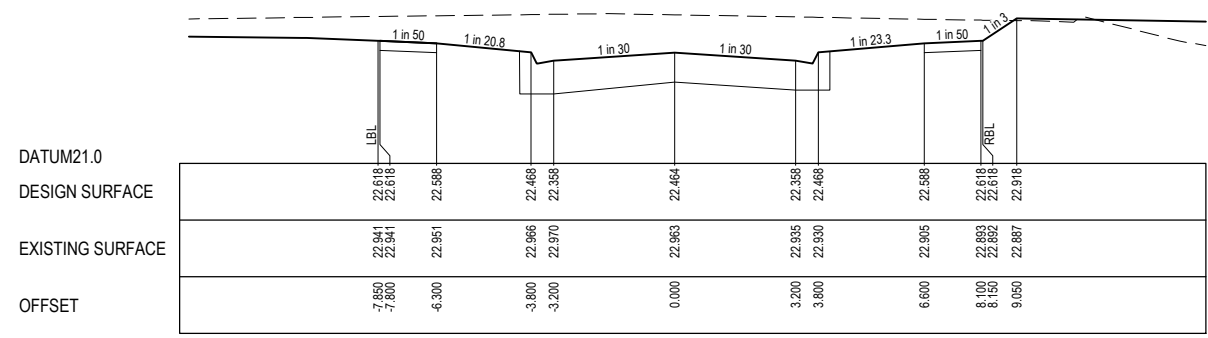
Sheet 17 of 39
 Scale: 1:100 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 206 Rev: A

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

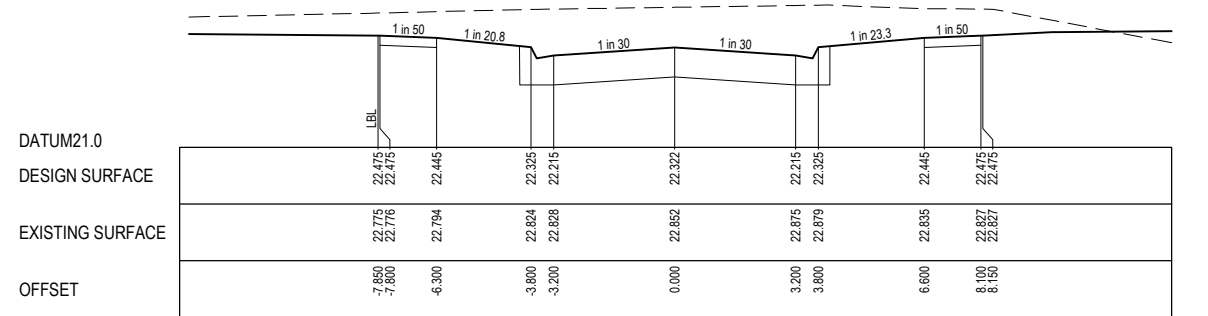
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



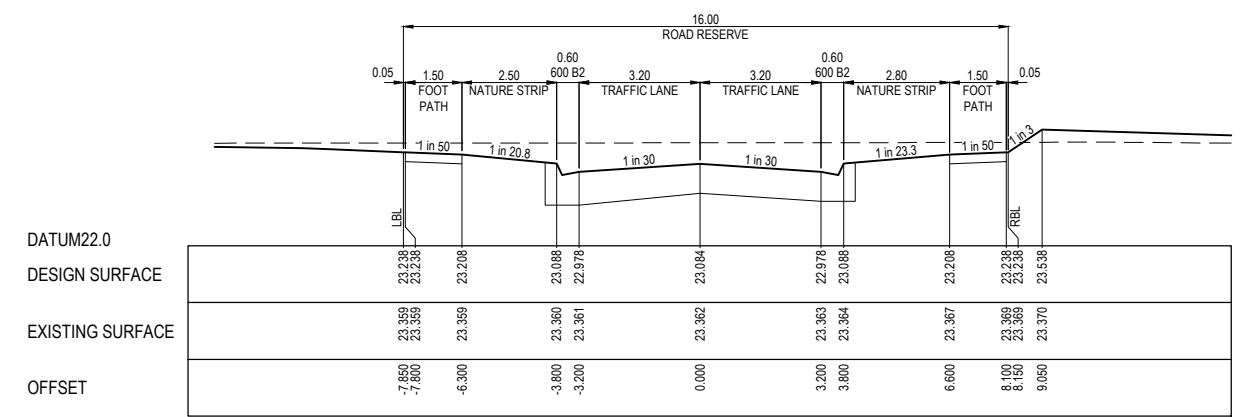
LTPCH 87.450



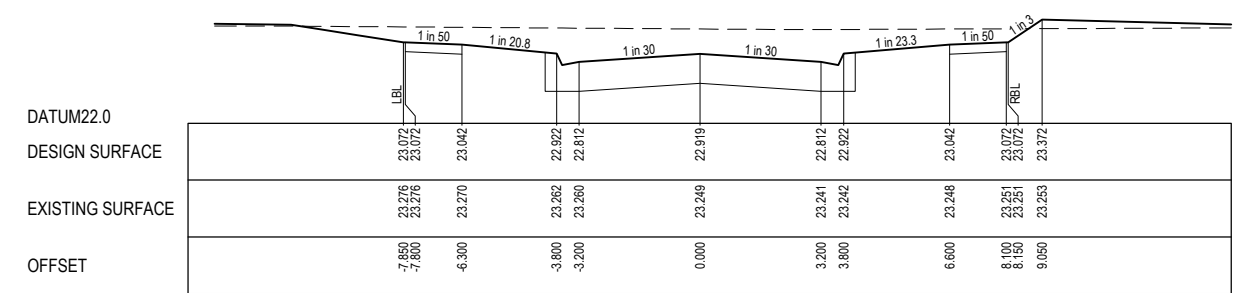
LTPCH 63.850



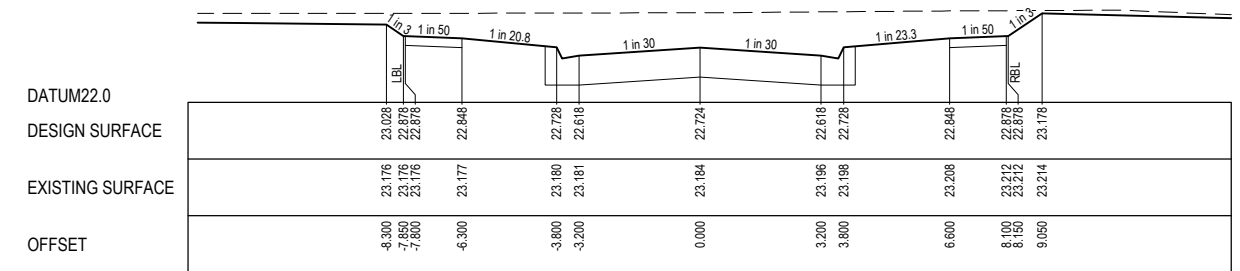
CH 43.500



LTPCH 152.450



LTPCH 128.850

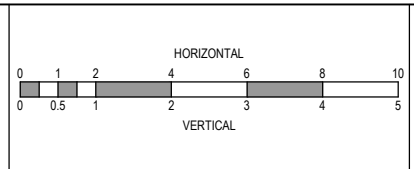


CH 101.000

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C




Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: ROAD CROSS SECTIONS HANDSOME AVENUE (SHEET 1 OF 2)

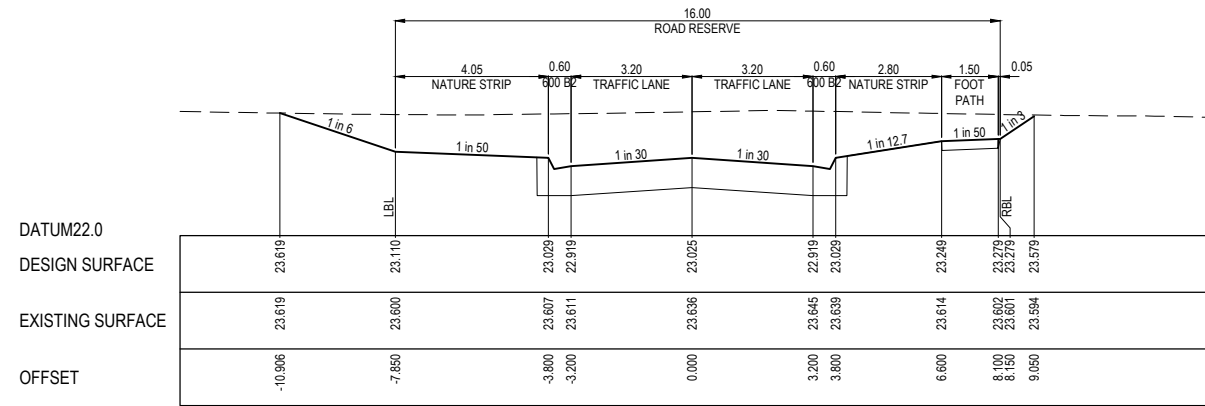
Sheet 18 of 39	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1101438	Stage No: 07
Drawing No: 207	Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-200-RXS.dwg

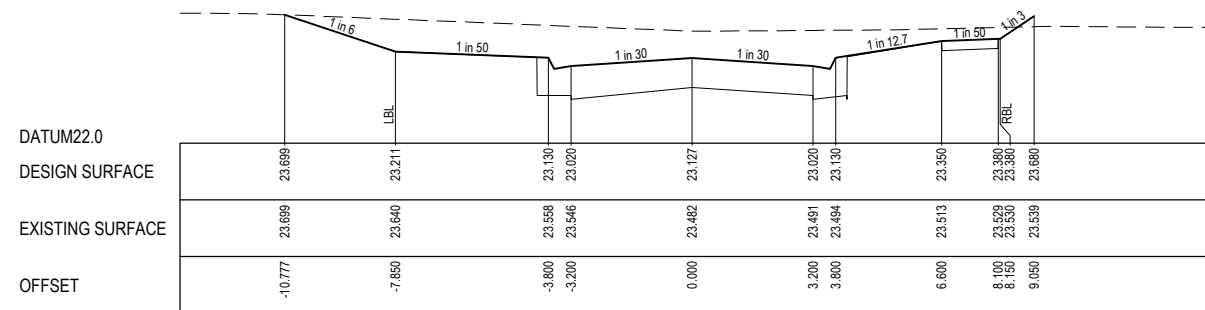
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

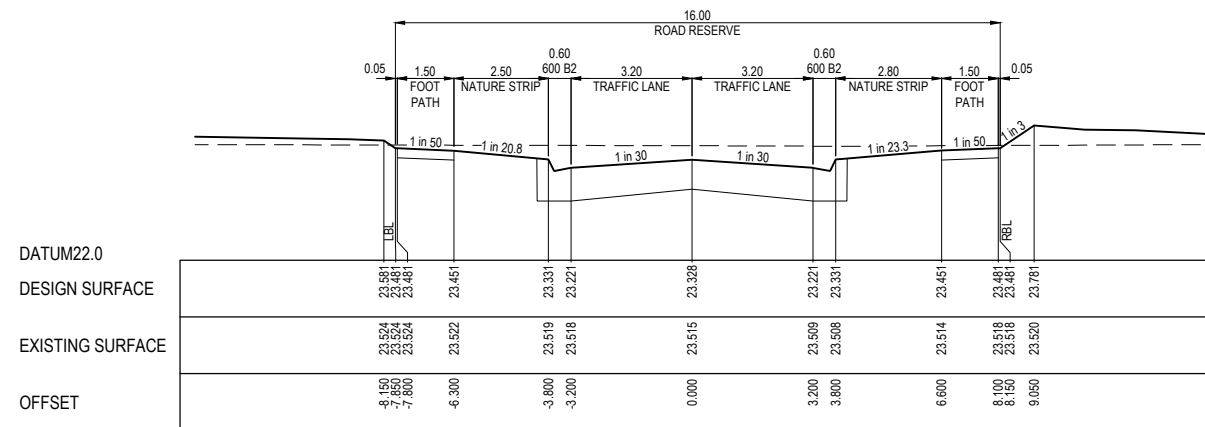
- EXISTING SURFACE
- DESIGN SURFACE
-  STRUCTURAL FILL



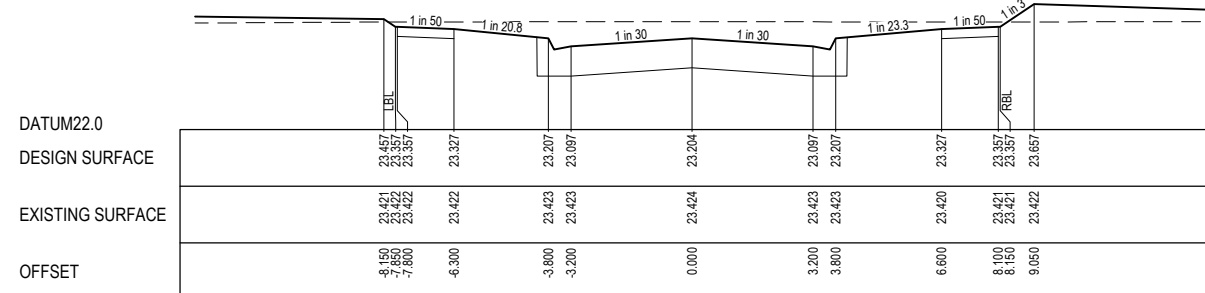
CH 235.508
(LIMIT OF STAGE 7 WORKS)



RTPCH 215.158



TPCH 191.850

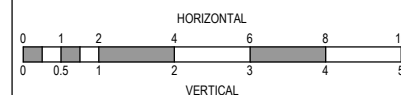


CH 169.500

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



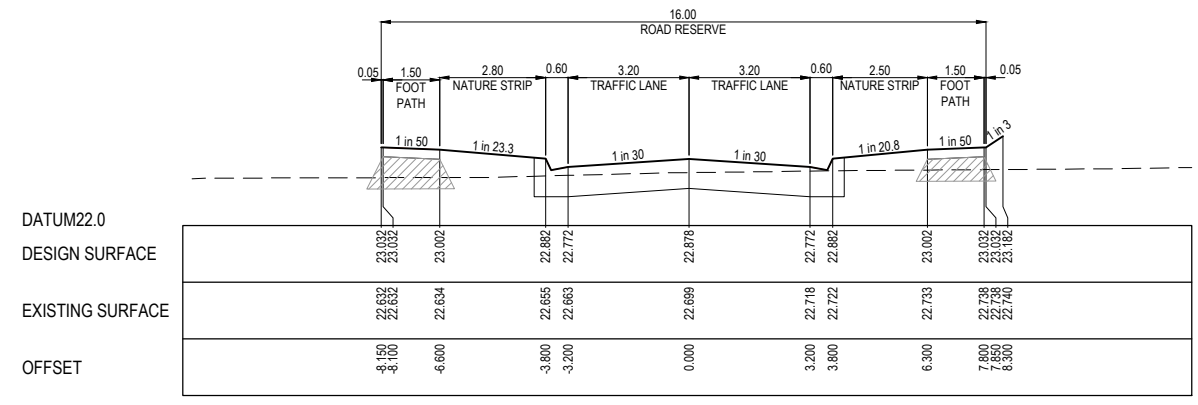
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD CROSS SECTIONS HANDSOME AVENUE (SHEET 2 OF 2)

Sheet 19 of 39
Scale: 1:100 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 208 Rev: A

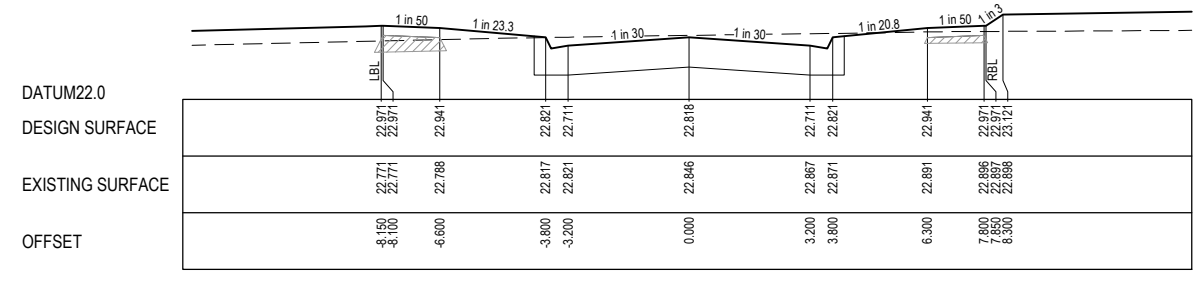
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

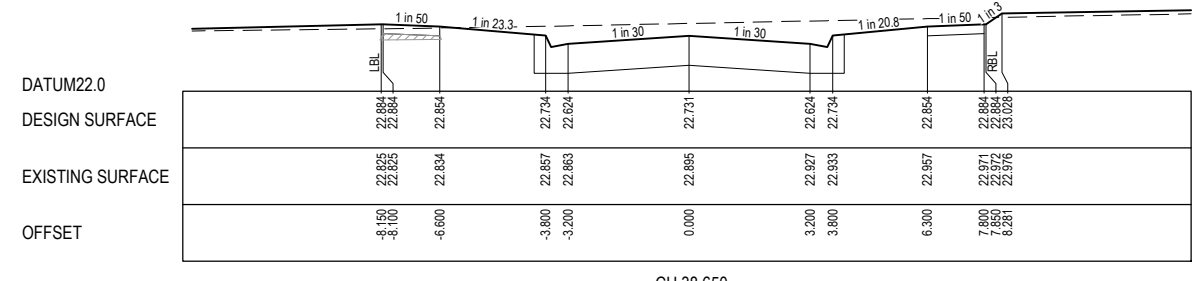
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



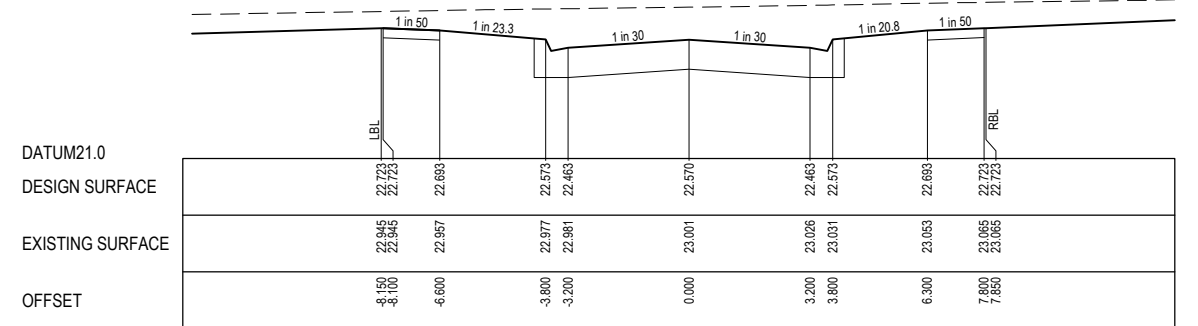
CH 67.150



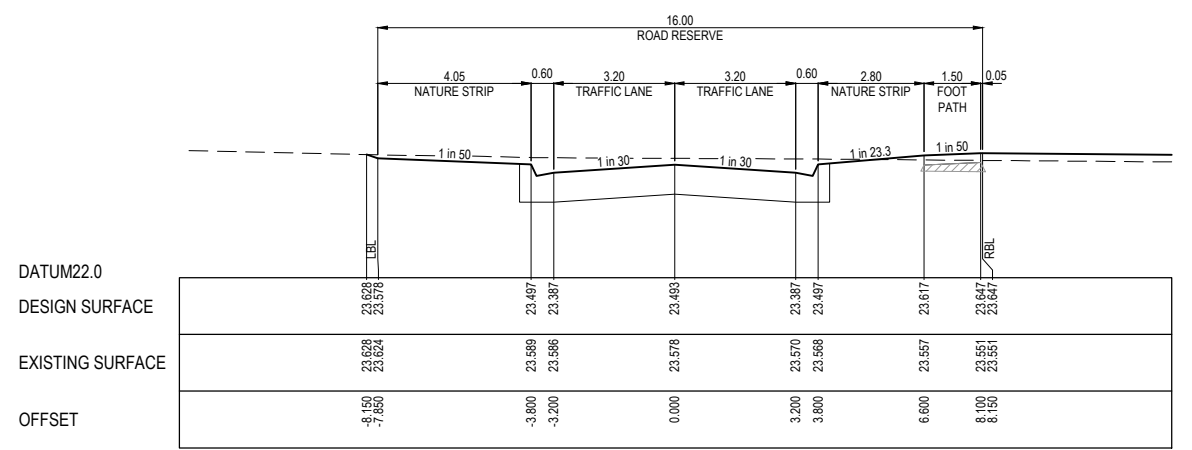
CH 53.150



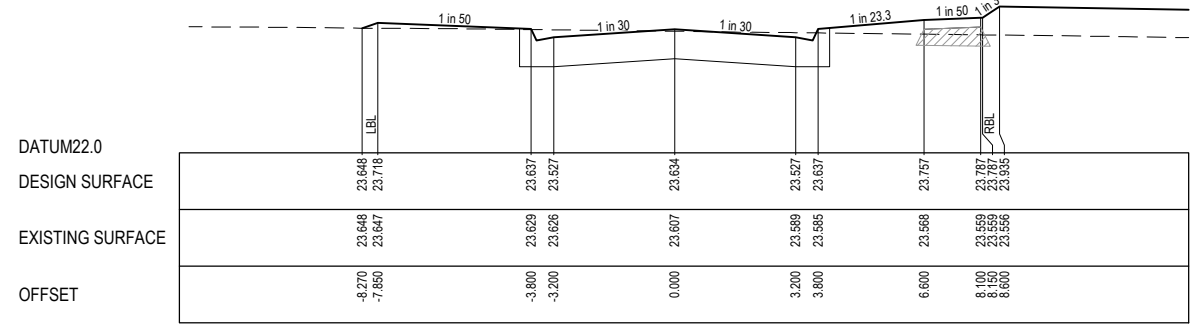
CH 38.650



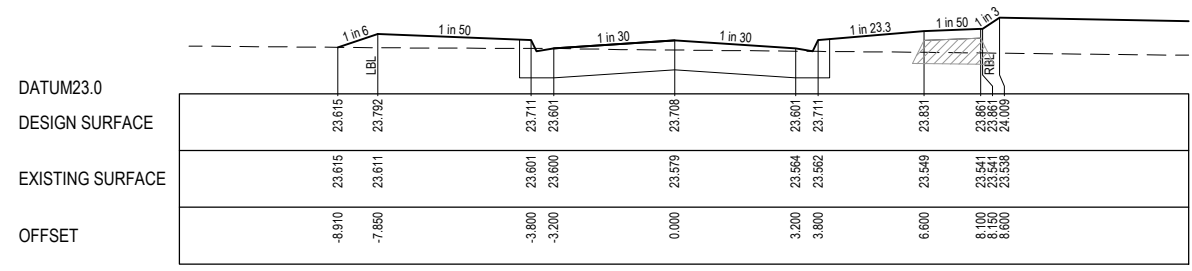
TPCH 11.800



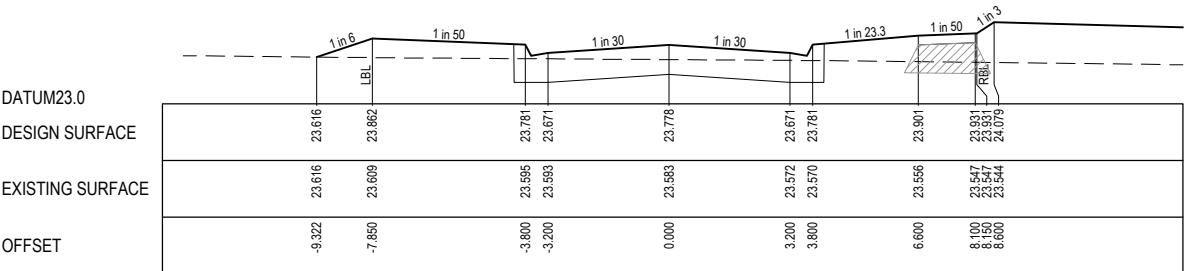
TPCH 453.216 (LIMIT OF STAGE 7 WORKS)



CH 425.166



CH 410.366

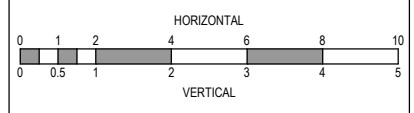


CH 396.366

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



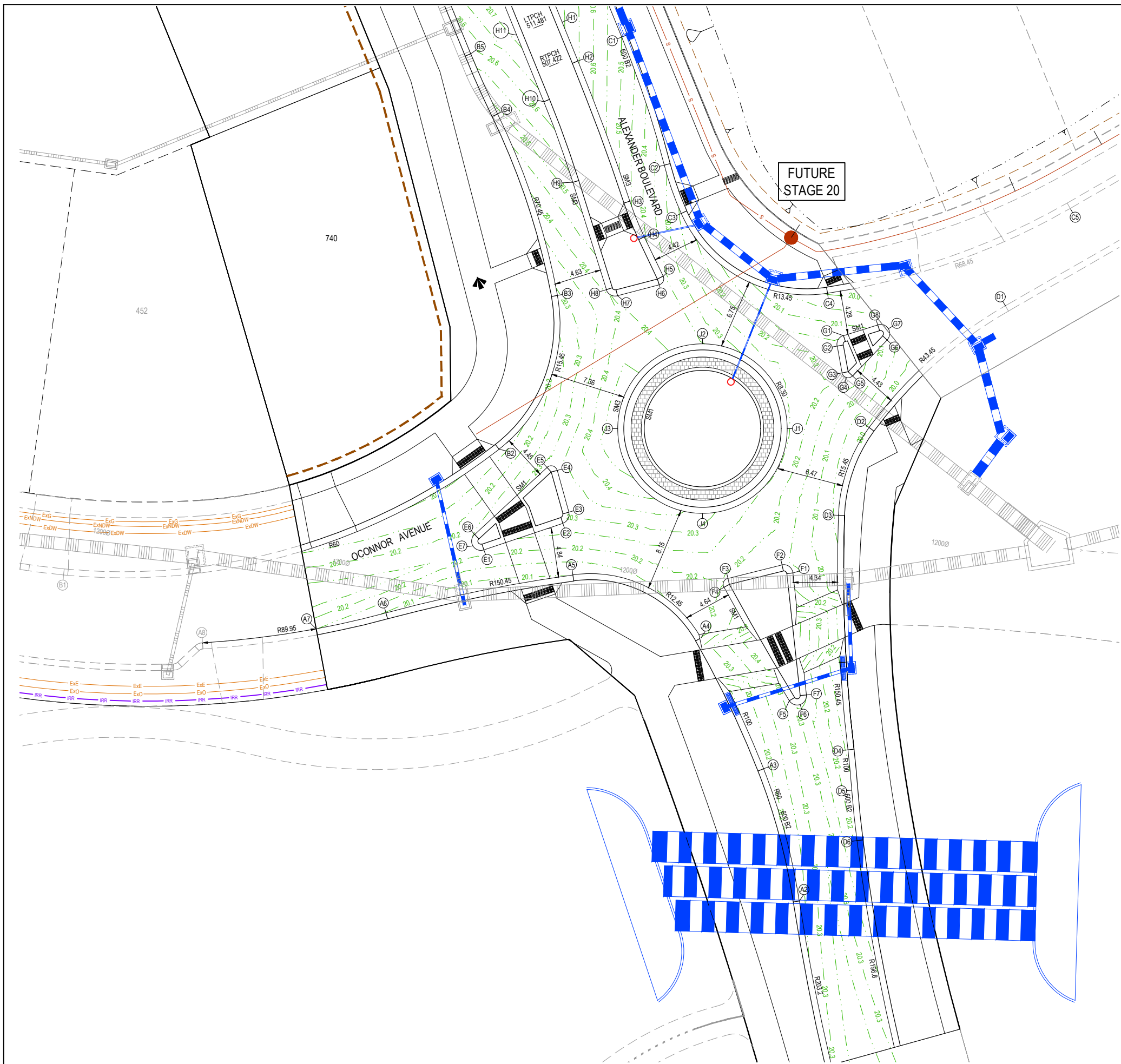
Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: ROAD CROSS SECTIONS LANGWARRIN CRESCENT

Sheet 20 of 39
Scale: 1:100 H 1:50 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 209 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC) - Eng\Stage 7\Drawings\1101438-07-200-RXS.dwg



LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

LIP LINE D

Point no	Easting	Northing	RL
D1	8611.031	81336.470	19.899
D2	8597.689	81324.555	19.989
D3	8594.692	81315.957	20.035
D4	8595.616	81292.996	20.139
D5	8595.999	81289.046	20.158
D6	8596.504	81284.103	20.183
D7	8601.635	81258.021	20.316

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	23.757	43.450	18.016	0.930	0.697	4.496	4.448	4.504	19.944
D2 - D3	34.278	15.450	9.243	0.686	0.514	2.302	2.251	2.311	20.012
D3 - D4	8.760	150.450	23.002	0.439	0.329	5.749	5.741	5.750	20.194
D4 - D5	2.274	100.000	3.969	0.020	0.015	0.992	0.992	0.992	20.148
D5 - D6	2.847	100.000	4.969	0.031	0.023	1.242	1.242	1.242	20.171
D6 - D7	7.745	196.800	26.602	0.449	0.337	6.649	6.642	6.651	20.250

LIP LINE E

Point no	Easting	Northing	RL
E1	8559.988	81312.564	20.224
E2	8567.720	81315.168	20.290
E3	8568.299	81316.262	20.300
E4	8567.162	81320.353	20.324
E5	8566.176	81320.632	20.324
E6	8559.090	81314.077	20.255
E7	8558.927	81312.957	20.233

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
E2 - E3	86.926	0.900	1.365	0.247	0.183	0.333	0.286	0.341	20.295
E4 - E5	117.226	0.600	1.228	0.288	0.211	0.294	0.219	0.307	20.325
E6 - E7	77.924	0.900	1.224	0.200	0.149	0.300	0.266	0.306	20.245
E7 - E1	77.924	0.900	1.224	0.200	0.149	0.300	0.266	0.306	20.226

LIP LINE F

Point no	Easting	Northing	RL
F1	8590.231	81310.328	20.167
F2	8589.159	81311.089	20.156
F3	8583.876	81309.770	20.190
F4	8583.495	81308.900	20.204
F5	8589.887	81297.806	20.318
F6	8590.946	81297.422	20.311
F7	8591.551	81298.372	20.297
F8	8590.232	81310.317	20.167

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
F1 - F2	93.792	0.900	1.473	0.285	0.211	0.358	0.299	0.368	20.159
F3 - F4	104.599	0.600	1.095	0.233	0.172	0.264	0.210	0.274	20.197
F4 - F5	2.662	275.601	12.805	0.074	0.056	3.201	3.201	3.201	20.433
F5 - F6	77.508	0.900	1.217	0.198	0.147	0.299	0.265	0.304	20.316
F6 - F7	77.508	0.900	1.217	0.198	0.147	0.299	0.265	0.304	20.303

LIP LINE G

Point no	Easting	Northing	RL
G1	8595.196	81333.540	20.140
G2	8594.569	81332.518	20.162
G3	8595.053	81329.899	20.192
G4	8595.470	81329.433	20.190
G5	8596.075	81329.591	20.185
G6	8599.459	81333.108	20.086
G7	8599.576	81334.206	20.079
G8	8598.541	81334.591	20.085

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G1 - G2	83.062	0.900	1.305	0.226	0.168	0.319	0.278	0.326	20.151
G3 - G4	62.826	0.600	0.658	0.088	0.066	0.162	0.150	0.164	20.191
G4 - G5	62.826	0.600	0.658	0.088	0.066	0.162	0.150	0.164	20.188
G6 - G7	75.643	0.900	1.188	0.189	0.140	0.292	0.260	0.297	20.081
G7 - G8	75.643	0.900	1.188	0.189	0.140	0.292	0.260	0.297	20.081

LIP LINE H

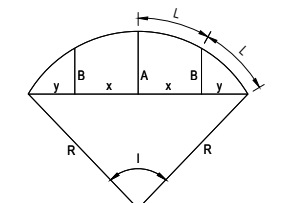
Point no	Easting	Northing	RL
H1	8567.641	81354.237	20.710
H2	8569.194	81360.430	20.654
H3	8574.270	81346.701	20.457
H4	8575.684	81343.205	20.406
H5	8577.535	81339.353	20.365
H6	8577.146	81338.512	20.364
H7	8573.066	81337.443	20.392
H8	8571.978	81338.045	20.408
H9	8568.693	81348.546	20.536
H10	8565.855	81356.437	20.634
H11	8563.194	81362.961	20.716

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
H2 - H3	3.808	220.300	14.640	0.122	0.091	3.660	3.659	3.660	20.555
H3 - H4	7.279	29.700	3.773	0.060	0.045	0.943	0.942	0.943	20.431
H5 - H6	100.973	0.500	1.057	0.218	0.161	0.256	0.207	0.264	20.384
H7 - H8	87.319	0.900	1.372	0.249	0.184	0.335	0.287	0.343	20.400
H9 - H10	4.820	99.700	8.388	0.088	0.066	2.097	2.096	2.097	20.585

LIP LINE J

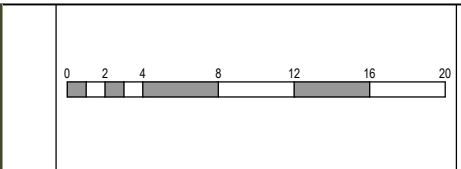
Point no	Easting	Northing	RL
J1	8589.692	81324.439	20.255
J2	8581.392	81332.739	20.353
J3	8573.092	81324.439	20.496
J4	8581.392	81316.139	20.321

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
J1 - J2	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	20.274
J2 - J3	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	20.443
J3 - J4	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	20.427
J4 - J1	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	20.251



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: INTERSECTION DETAILS (SHEET 1 OF 9)

Sheet 21 of 39
 Scale: 1:200 @ A1
 Project Ref: 1101438
 Stage No: 07
 Drawing No: 300
 Rev: A

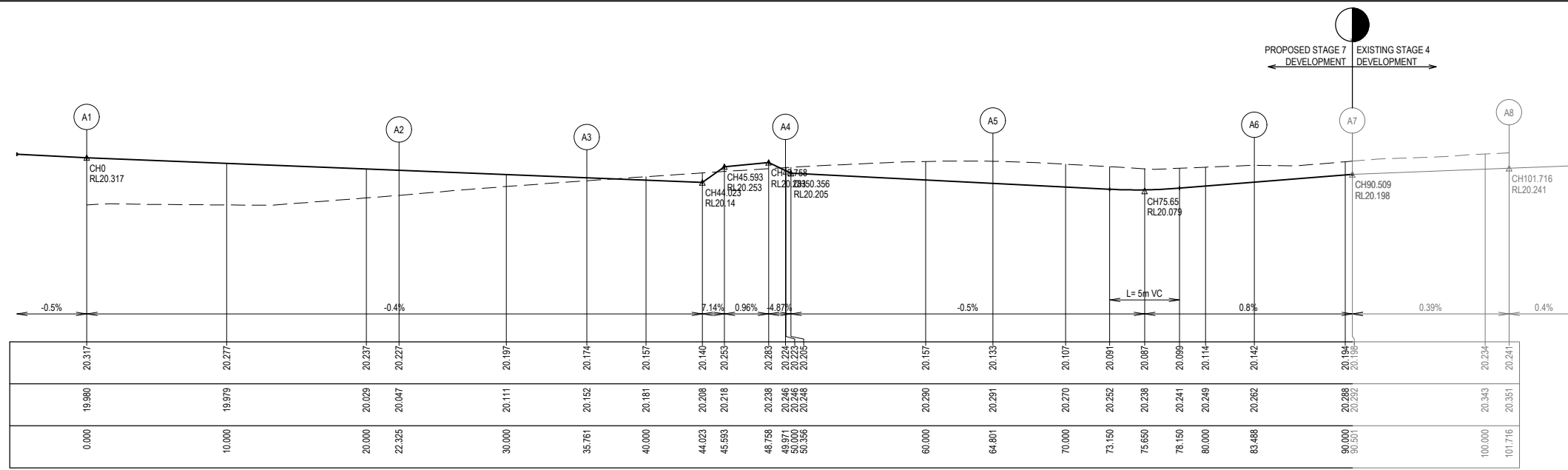
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC)_Eng\Stage 7\Drawings\1101438-07-300-INT.dwg

VERTICAL GEOMETRY
DATUM RL19

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE A

Point no	Easting	Northing	RL
A1	8595.453	81256.364	20.317
A2	8590.870	81278.202	20.227
A3	8587.372	81291.146	20.174
A4	8581.235	81303.949	20.224
A5	8568.701	81310.116	20.142
A6	8550.400	81306.396	20.198
A7	8543.564	81304.842	20.198
A8	8532.440	81303.474	20.241

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A1 - A2	6.295	203.200	22.325	0.307	0.230	5.580	5.576	5.581	20.272
A2 - A3	12.830	60.000	13.436	0.376	0.282	3.357	3.347	3.359	20.200
A3 - A4	8.142	100.000	14.210	0.252	0.189	3.552	3.547	3.553	20.145
A4 - A5	68.252	12.450	14.831	2.144	1.596	3.653	3.331	3.708	20.170
A5 - A6	7.117	150.450	18.687	0.290	0.218	4.671	4.666	4.672	20.088
A6 - A7	4.467	89.950	7.013	0.068	0.051	1.753	1.752	1.753	20.198
A7 - A8	7.144	89.950	11.215	0.175	0.131	2.803	2.801	2.804	20.219

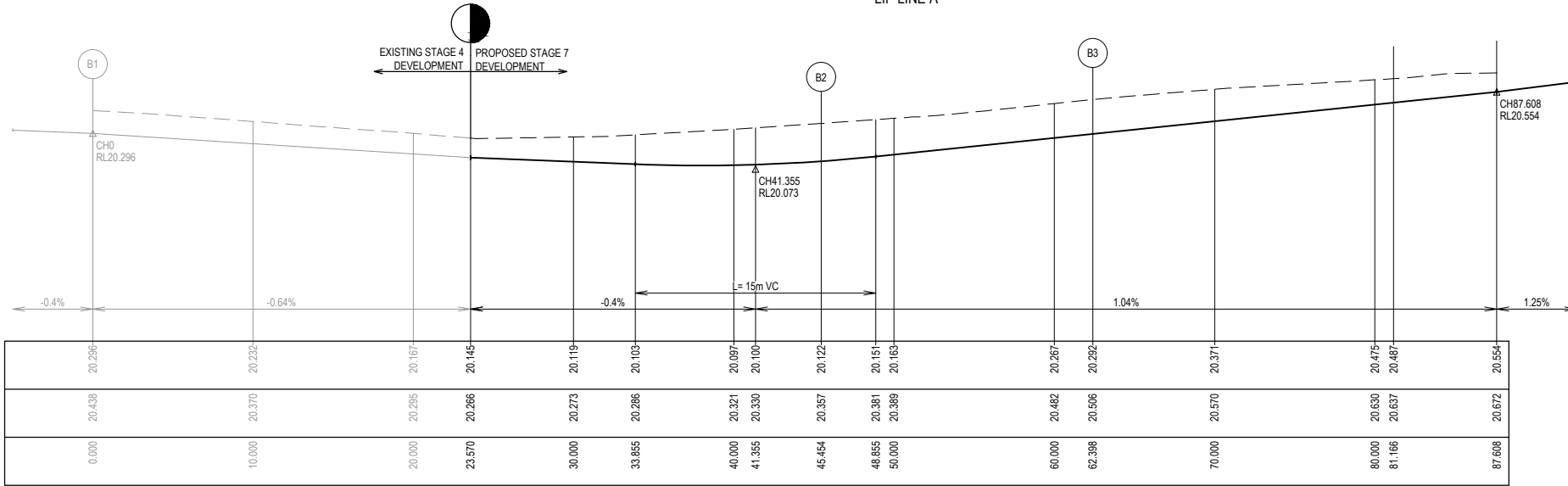
LIP LINE A

VERTICAL GEOMETRY
DATUM RL19

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



LIP LINE B

Point no	Easting	Northing	RL
B1	8518.843	81310.115	20.296
B2	8561.478	81322.418	20.122
B3	8567.193	81337.477	20.292
B4	8561.328	81355.247	20.487
B5	8558.703	81361.129	20.554

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B1 - B2	43.405	60.000	45.454	4.253	3.180	11.296	10.892	11.363	20.150
B2 - B3	62.837	15.450	16.944	2.265	1.688	4.183	3.871	4.236	20.204
B3 - B4	15.264	70.450	18.768	0.624	0.468	4.689	4.668	4.692	20.390
B4 - B5	3.708	99.550	6.442	0.052	0.039	1.610	1.610	1.611	20.521

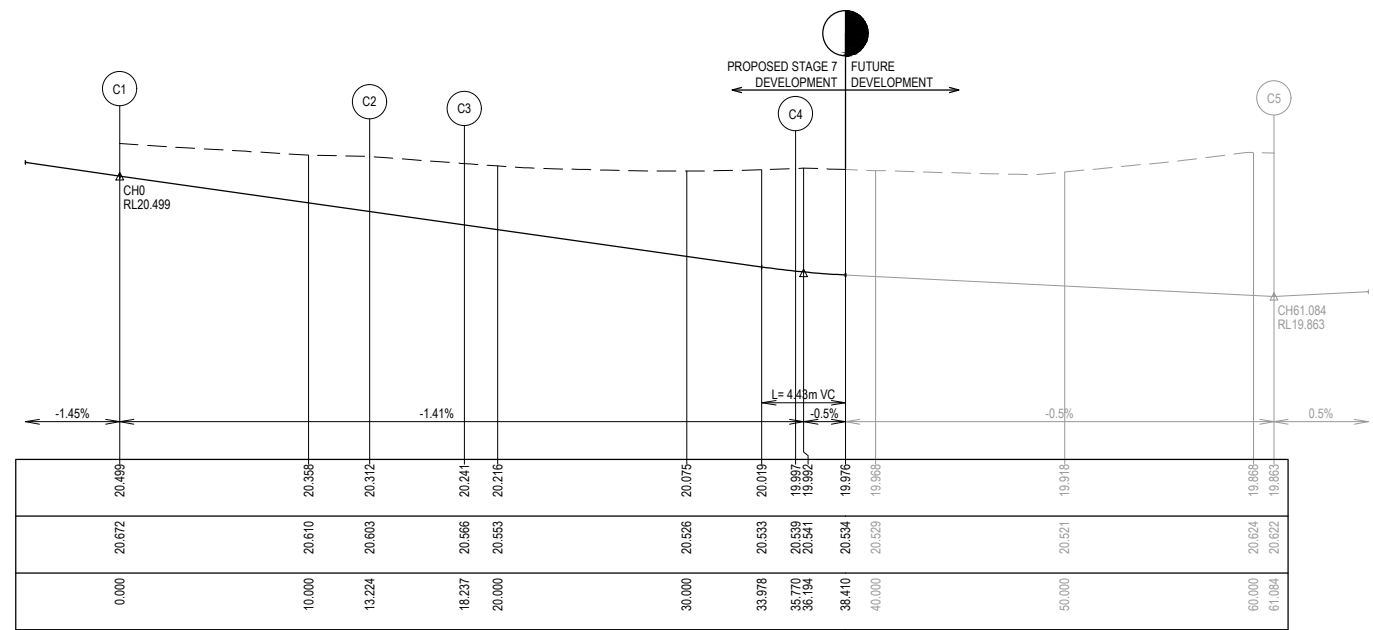
LIP LINE B

VERTICAL GEOMETRY
DATUM RL19

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

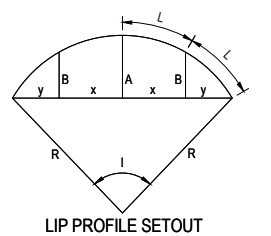


LIP LINE C

Point no	Easting	Northing	RL
C1	8573.477	81362.771	20.499
C2	8577.645	81350.232	20.312
C3	8579.300	81345.506	20.241
C4	8593.621	81337.684	19.997
C5	8617.377	81346.000	19.863

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C1 - C2	7.611	99.550	13.224	0.220	0.165	3.305	3.302	3.306	20.406
C2 - C3	9.432	30.450	5.013	0.103	0.077	1.253	1.251	1.253	20.277
C3 - C4	74.687	13.451	17.533	2.757	2.049	4.306	3.853	4.383	20.117
C4 - C5	21.189	68.450	25.314	1.167	0.875	6.320	6.266	6.329	19.926

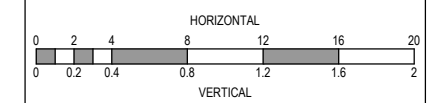
LIP LINE C



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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date
S. GILBERT
01.04.20

Drawn
M.F. JAURIGUE

Approved Date
L. MURRAY

PS Number
PS837138C



Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title
INTERSECTION DETAILS
(SHEET 2 OF 9)

Sheet 22 of 39

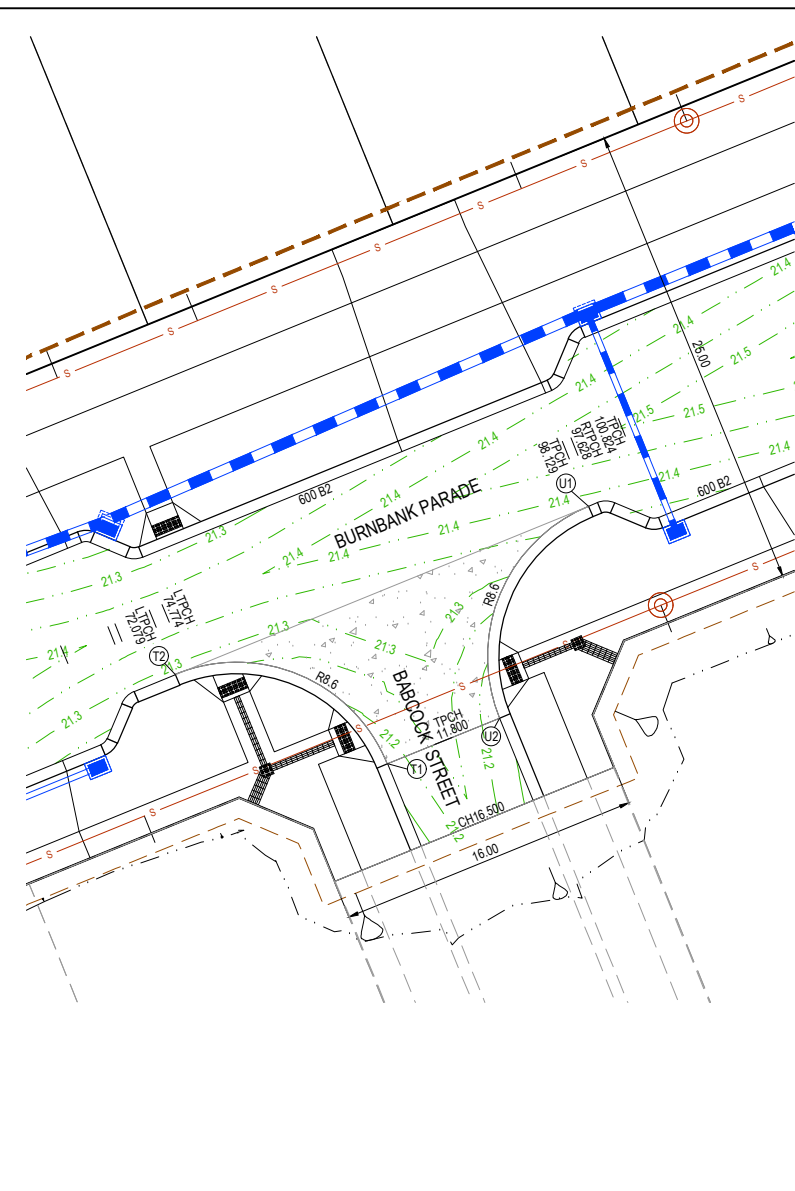
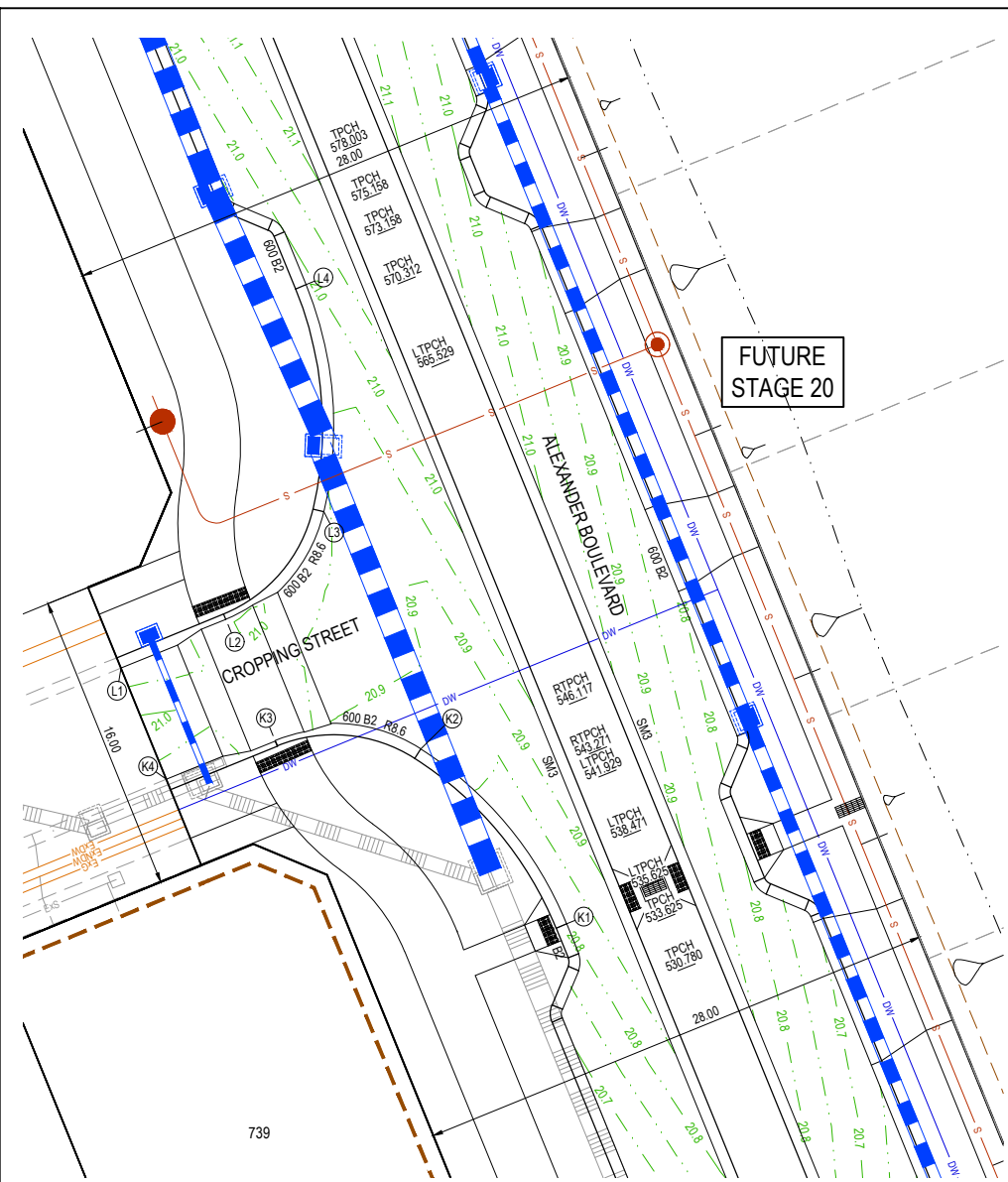
Scale
1:200 H 1:20 V @ A1

Project Ref
1101438

Stage No
07

Drawing No
301

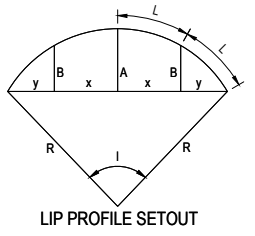
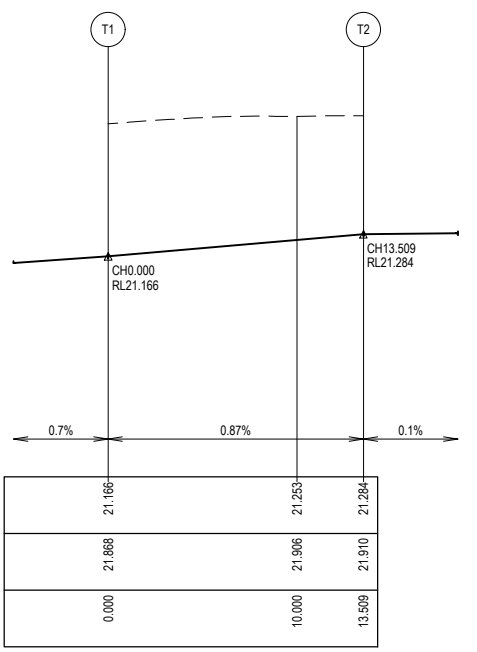
Rev
A



LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN.
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

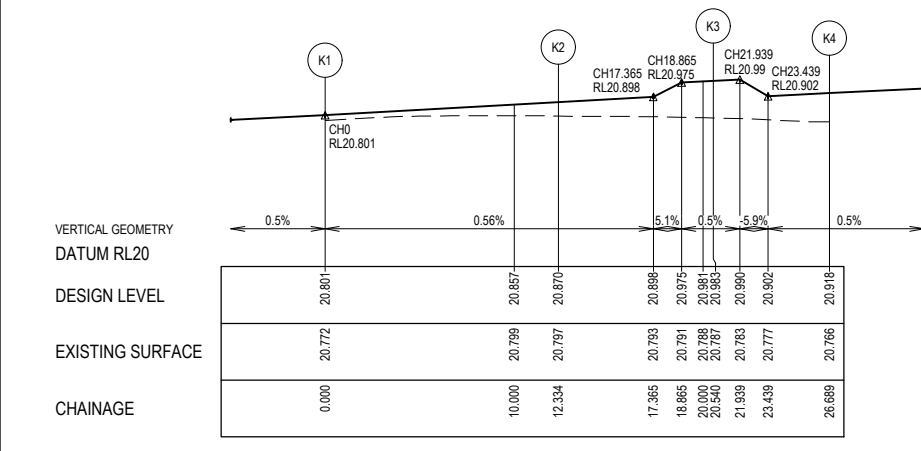
VERTICAL GEOMETRY
DATUM RL20
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE T

Point no	Easting	Northing	RL
T1	8590.590	81516.474	21.166
T2	8579.379	81521.189	21.284

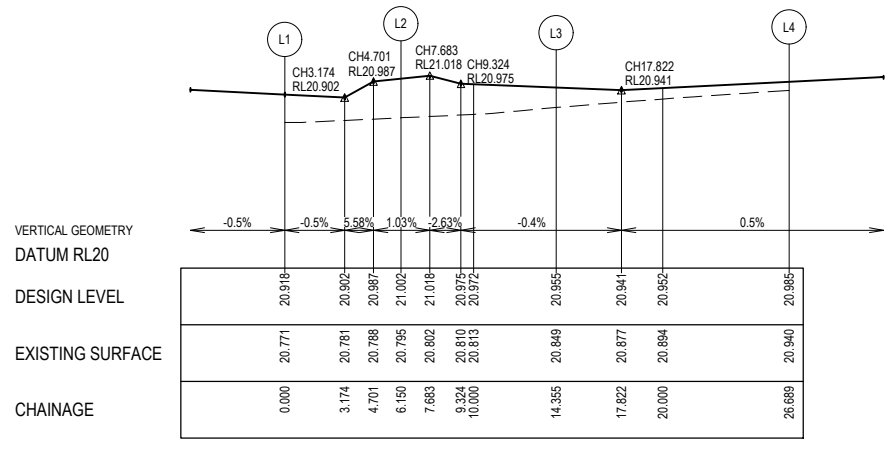
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
T1 - T2	90.000	8.600	13.509	2.519	1.884	3.291	2.790	3.377	21.225



LIP LINE K

Point no	Easting	Northing	RL
K1	8551.638	81384.010	20.801
K2	8543.857	81383.329	20.870
K3	8535.991	81384.036	20.983
K4	8530.297	81391.713	20.916

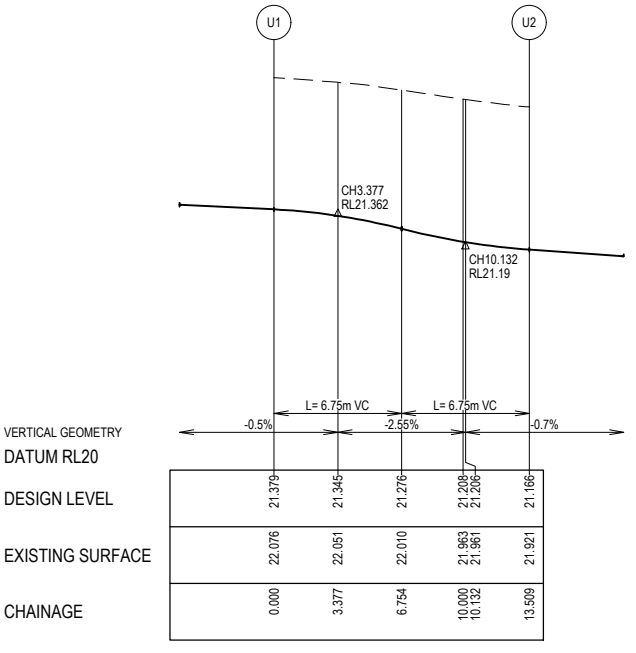
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
K1 - K2	35.335	20.000	12.334	0.943	0.706	3.071	2.998	3.084	20.836
K2 - K3	54.667	8.600	8.205	0.960	0.717	2.032	1.917	2.051	20.893



LIP LINE L

Point no	Easting	Northing	RL
L1	8527.880	81397.639	20.918
L2	8533.574	81399.962	21.002
L3	8538.701	81406.970	20.955
L4	8537.743	81418.071	20.985

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
L2 - L3	54.667	8.600	8.205	0.960	0.717	2.032	1.917	2.051	20.971
L3 - L4	35.335	20.000	12.334	0.943	0.706	3.071	2.998	3.084	20.954



LIP LINE U

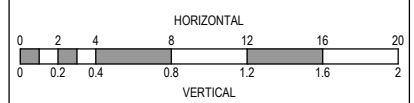
Point no	Easting	Northing	RL
U1	8601.231	81530.103	21.379
U2	8596.516	81518.892	21.166

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
U1 - U2	90.000	8.600	13.509	2.519	1.884	3.291	2.790	3.377	21.276

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



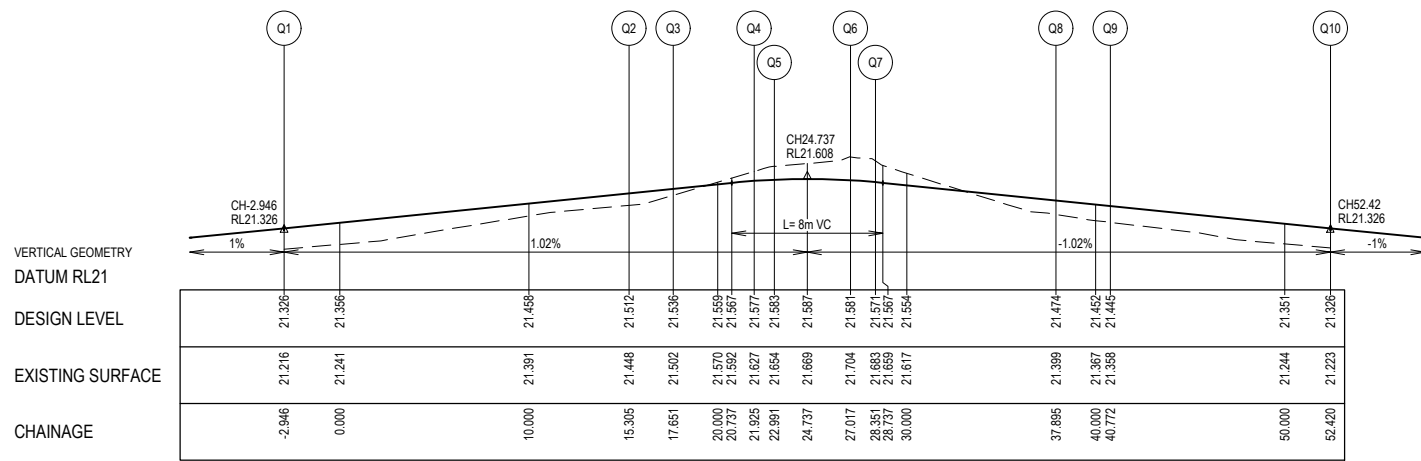
Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



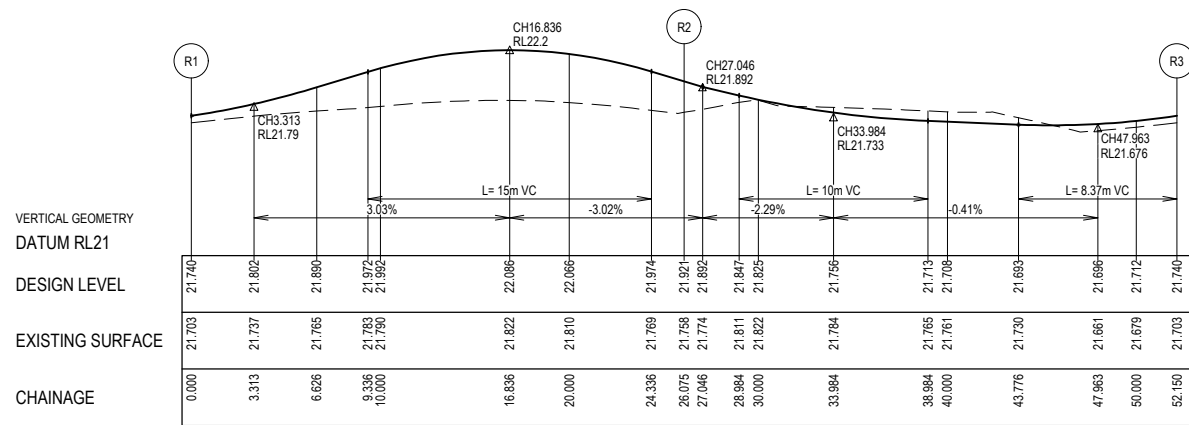
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: INTERSECTION DETAILS (SHEET 4 OF 9)

Sheet 24 of 39
Scale: 1:200 H 1:20 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 303 Rev: A

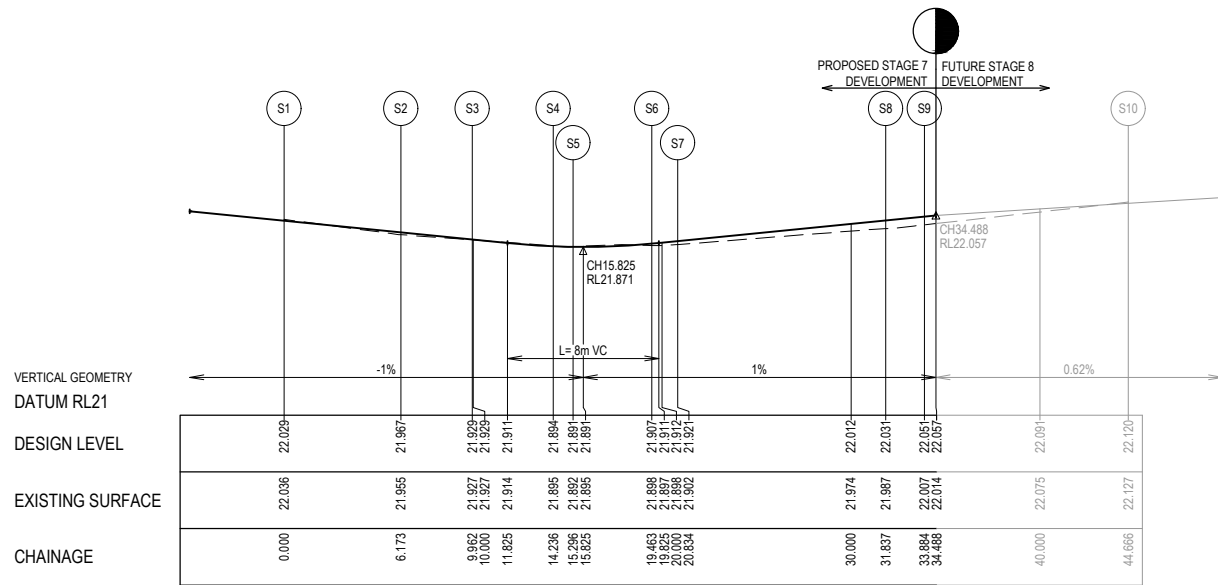
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC)_Eng\Stage 7\Drawings\1101438-07-300-INT.dwg



LIP LINE Q



LIP LINE R



LIP LINE Q

LIP LINE S

LIP LINE S

Point no	Easting	Northing	RL
Q1	8524.904	81456.827	21.326
Q2	8523.791	81459.555	21.356
Q3	8518.010	81473.726	21.512
Q4	8517.039	81475.862	21.536
Q5	8515.117	81479.680	21.577
Q6	8515.499	81480.529	21.583
Q7	8519.389	81481.565	21.581
Q8	8520.467	81481.003	21.571
Q9	8523.728	81472.034	21.474
Q10	8524.763	81469.350	21.445
Q11	8529.163	81458.565	21.326

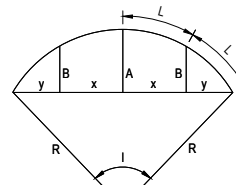
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Q3 - Q4	4.526	29.700	2.346	0.023	0.017	0.587	0.586	0.587	21.524
Q5 - Q6	101.811	0.600	1.066	0.222	0.163	0.258	0.208	0.267	21.581
Q7 - Q8	84.922	0.900	1.334	0.236	0.175	0.326	0.282	0.333	21.576
Q9 - Q10	2.207	74.700	2.877	0.014	0.010	0.719	0.719	0.719	21.459

Point no	Easting	Northing	RL
R1	8519.286	81494.520	21.740
R2	8510.986	81502.820	22.057
R3	8502.686	81494.520	21.921
R4	8510.986	81486.220	21.712

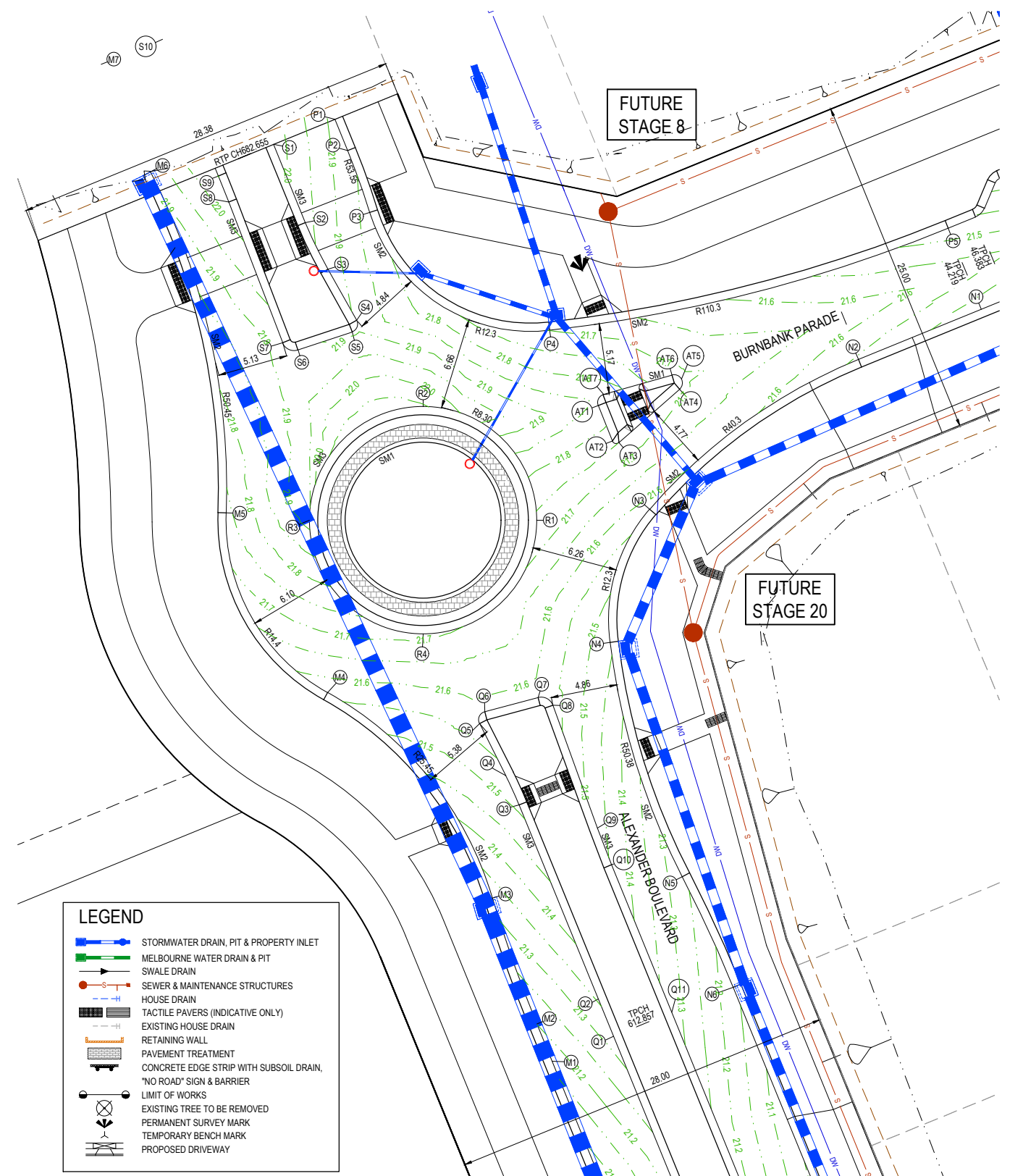
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
R1 - R2	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	21.887
R2 - R3	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	22.072
R3 - R4	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	21.777
R4 - R1	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	21.690

Point no	Easting	Northing	RL
S1	8500.052	81521.986	22.029
S2	8502.384	81516.270	21.967
S3	8504.034	81512.863	21.929
S4	8506.139	81509.143	21.894
S5	8505.805	81508.277	21.891
S6	8501.849	81506.969	21.907
S7	8500.726	81507.500	21.921
S8	8496.780	81517.772	22.031
S9	8496.027	81519.675	22.051
S10	8491.954	81529.658	22.120

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
S2 - S3	7.309	29.700	3.789	0.060	0.045	0.947	0.946	0.947	21.948
S4 - S5	101.192	0.600	1.060	0.219	0.162	0.256	0.207	0.265	21.892
S6 - S7	87.293	0.900	1.371	0.249	0.184	0.335	0.287	0.343	21.914
S8 - S9	1.176	99.700	2.046	0.005	0.004	0.512	0.512	0.512	22.041



LIP PROFILE SETOUT



- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - MELBOURNE WATER DRAIN & PIT
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - TACTILE PAVERS (INDICATIVE ONLY)
 - EXISTING HOUSE DRAIN
 - RETAINING WALL
 - PAVEMENT TREATMENT
 - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
 - LIMIT OF WORKS
 - EXISTING TREE TO BE REMOVED
 - PERMANENT SURVEY MARK
 - TEMPORARY BENCH MARK
 - PROPOSED DRIVEWAY

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

SMITHS LANE
CLYDE NORTH

HORIZONTAL
0 2 4 8 12 16 20

VERTICAL
0 0.2 0.4 0.8 1.2 1.6 2

Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C

BW Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

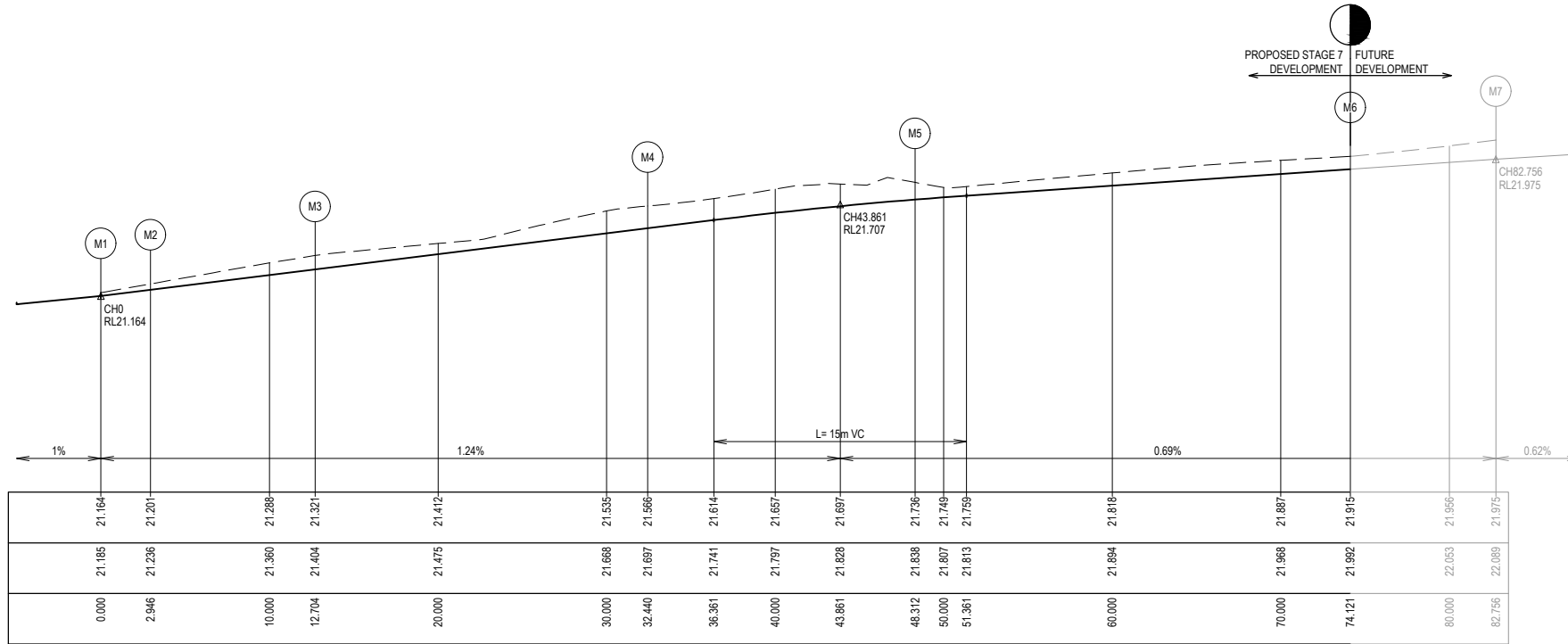
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: INTERSECTION DETAILS (SHEET 5 OF 9)

Sheet 25 of 39
Scale: 1:200 H 1:20 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 304 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC) - Eng\Stage 7\Drawings\1101438-07-300-INT.dwg

PROPOSED STAGE 7 DEVELOPMENT
FUTURE DEVELOPMENT

VERTICAL GEOMETRY
DATUM RL20
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

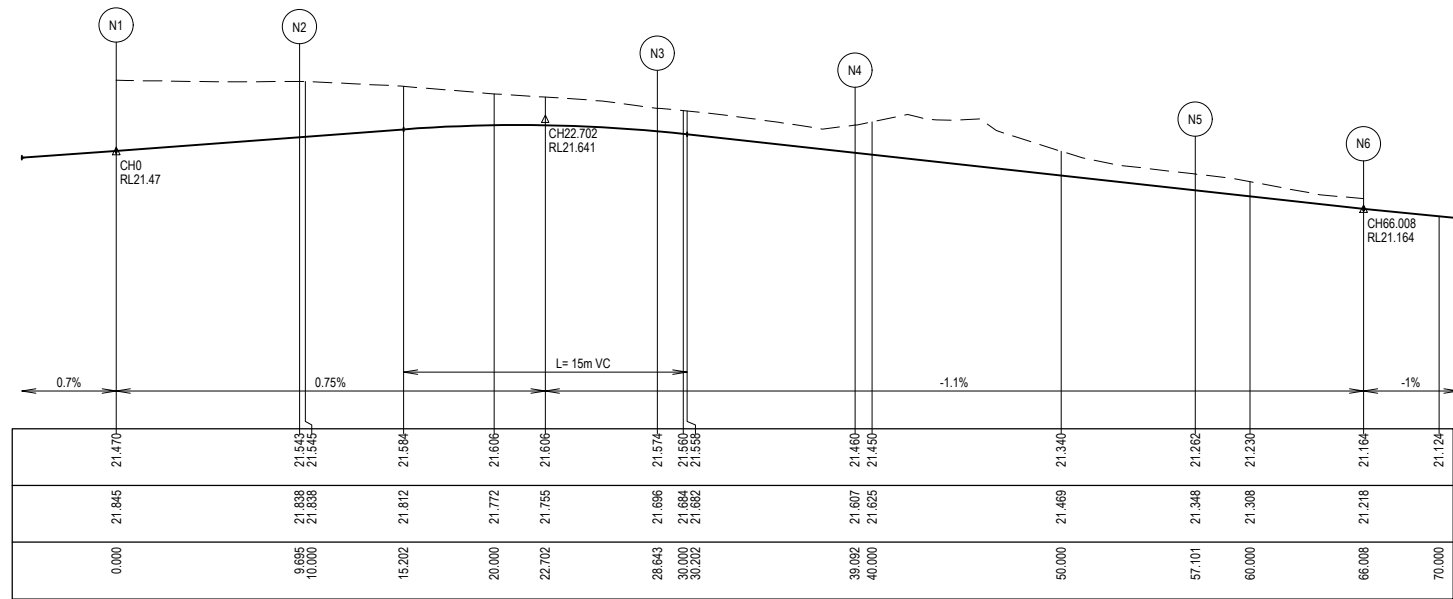


LIP LINE M

Point no	Easting	Northing	RL
M1	8520.413	81454.995	21.164
M2	8519.300	81457.724	21.201
M3	8516.063	81466.925	21.321
M4	8504.006	81481.925	21.566
M5	8496.596	81495.060	21.736
M6	8491.068	81519.982	21.915
M7	8487.464	81527.826	21.975

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
M2 - M3	5.616	99.550	9.758	0.120	0.090	2.439	2.438	2.439	21.261
M3 - M4	44.431	25.450	19.736	1.889	1.412	4.903	4.719	4.934	21.443
M4 - M5	63.155	14.400	15.873	2.132	1.589	3.918	3.622	3.968	21.661
M5 - M6	29.310	50.450	25.808	1.641	1.229	6.434	6.329	6.452	21.826
M6 - M7	4.970	99.550	8.636	0.094	0.070	2.159	2.158	2.159	21.945

VERTICAL GEOMETRY
DATUM RL20
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

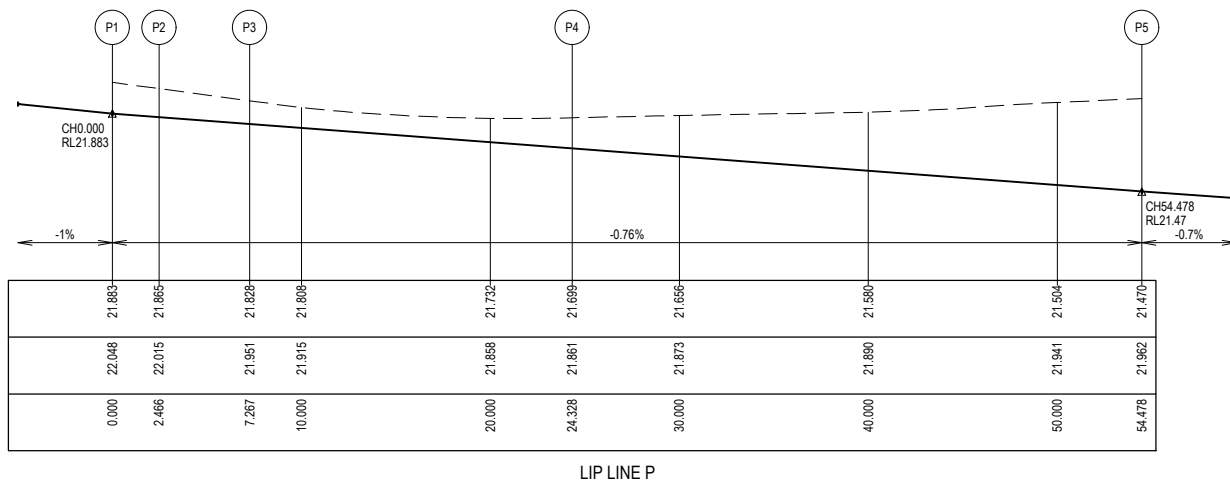


LIP LINE N

Point no	Easting	Northing	RL
N1	8551.778	81509.930	21.470
N2	8542.801	81506.268	21.543
N3	8527.547	81495.323	21.574
N4	8524.663	81485.605	21.460
N5	8529.925	81468.482	21.262
N6	8533.654	81460.397	21.164

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
N2 - N3	26.939	40.300	18.948	1.108	0.830	4.726	4.661	4.737	21.604
N3 - N4	48.673	12.300	10.449	1.093	0.817	2.593	2.476	2.612	21.518
N4 - N5	20.480	50.382	18.009	0.802	0.601	4.496	4.460	4.502	21.361
N5 - N6	5.126	99.550	8.907	0.100	0.075	2.227	2.225	2.227	21.213

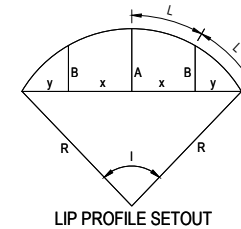
VERTICAL GEOMETRY
DATUM RL21
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE P

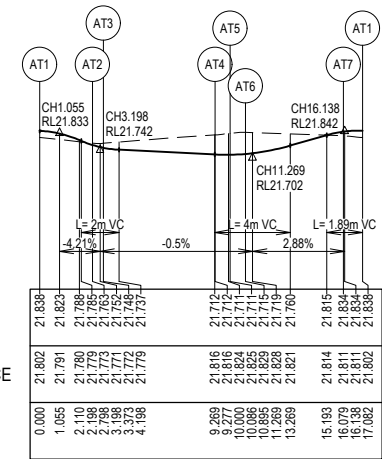
Point no	Easting	Northing	RL
P1	8504.543	81523.818	21.883
P2	8505.474	81521.534	21.865
P3	8507.086	81517.014	21.828
P4	8520.244	81508.401	21.699
P5	8549.361	81515.856	21.470

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
P2 - P3	5.137	53.550	4.801	0.054	0.040	1.200	1.199	1.200	21.846
P3 - P4	79.475	12.300	17.061	2.842	2.109	4.180	3.683	4.265	21.764
P4 - P5	15.661	110.300	30.150	1.029	0.771	7.532	7.496	7.537	21.585



LIP PROFILE SETOUT

VERTICAL GEOMETRY
DATUM RL21
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE AT

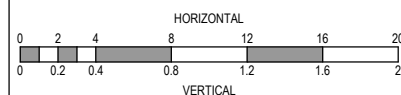
Point no	Easting	Northing	RL
AT1	8523.793	81502.912	21.838
AT2	8524.623	81500.311	21.763
AT3	8525.300	81500.196	21.748
AT4	8529.736	81504.092	21.712
AT5	8529.867	81504.830	21.711
AT6	8529.177	81505.121	21.715
AT7	8524.188	81503.711	21.834

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AT2 - AT3	109.698	0.300	0.574	0.127	0.094	0.138	0.107	0.144	21.755
AT4 - AT5	77.241	0.600	0.809	0.131	0.097	0.198	0.176	0.202	21.711
AT5 - AT6	77.241	0.600	0.809	0.131	0.097	0.198	0.176	0.202	21.712
AT7 - AT1	95.819	0.600	1.003	0.198	0.146	0.244	0.202	0.251	21.838

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date
S. GILBERT
01.04.20
Drawn
M.F. JAURIGUE
Approved Date
L. MURRAY
PS Number
PS837138C

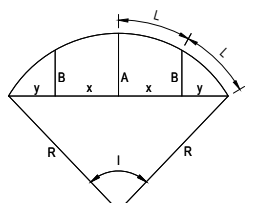
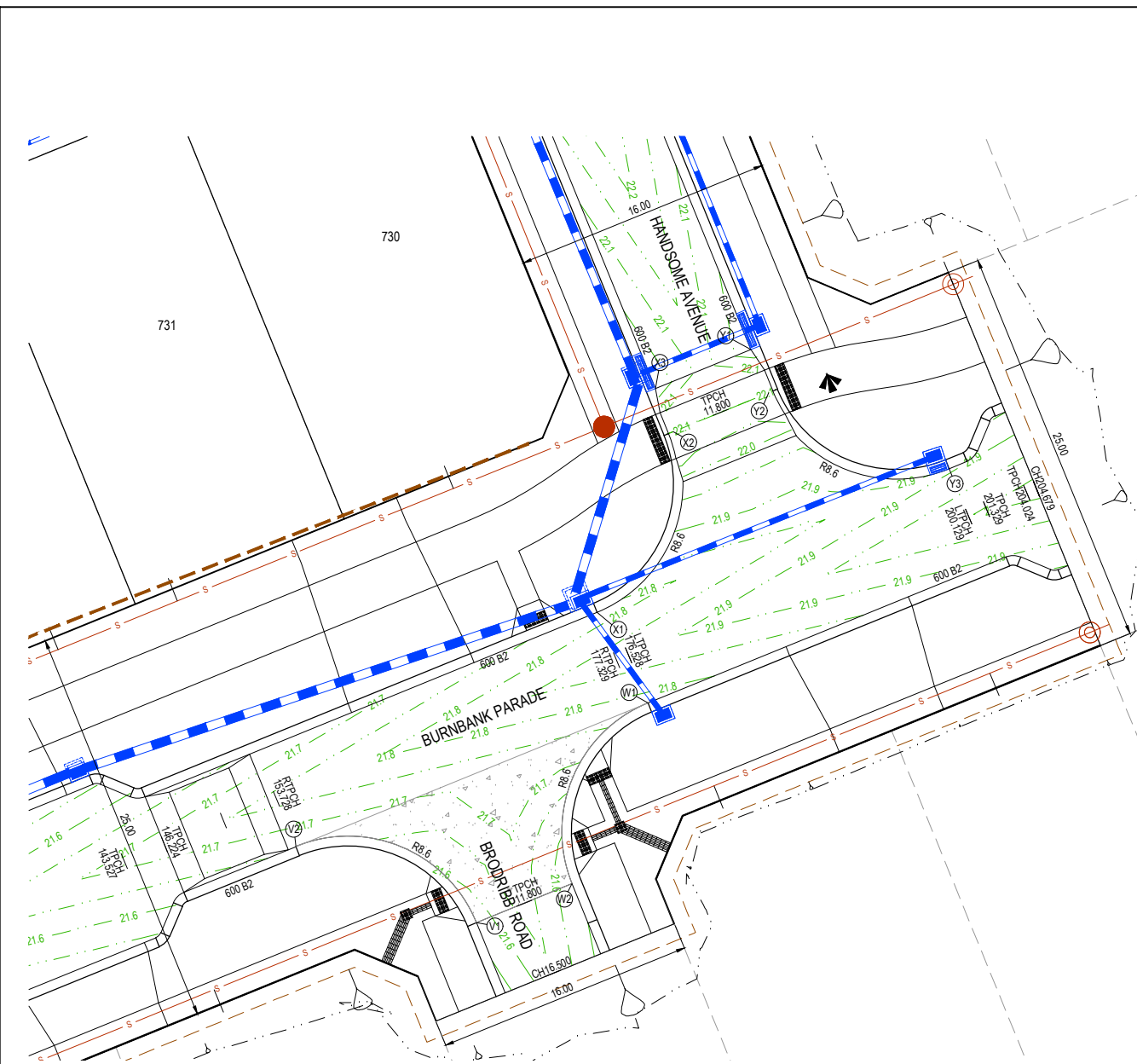


Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473
Drawing Title
INTERSECTION DETAILS
(SHEET 6 OF 9)

Sheet 26 of 39

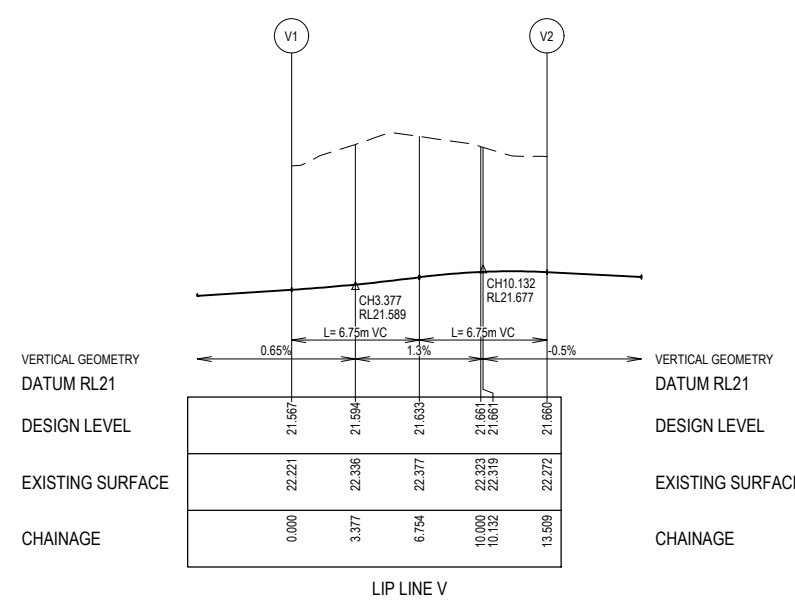
Scale
1:200 H 1:20 V @ A1

Project Ref
1101438
Stage No
07
Drawing No
305
Rev
A



LEGEND

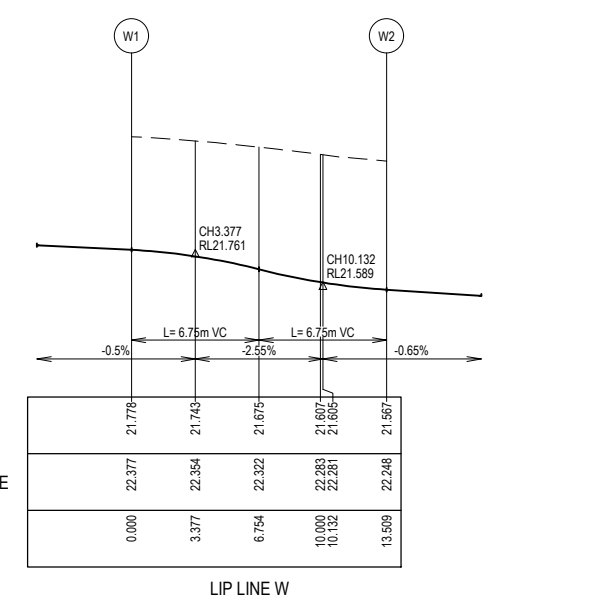
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY



LIP LINE V

Point no	Easting	Northing	RL
V1	8664.387	81546.578	21.567
V2	8653.175	81551.292	21.660

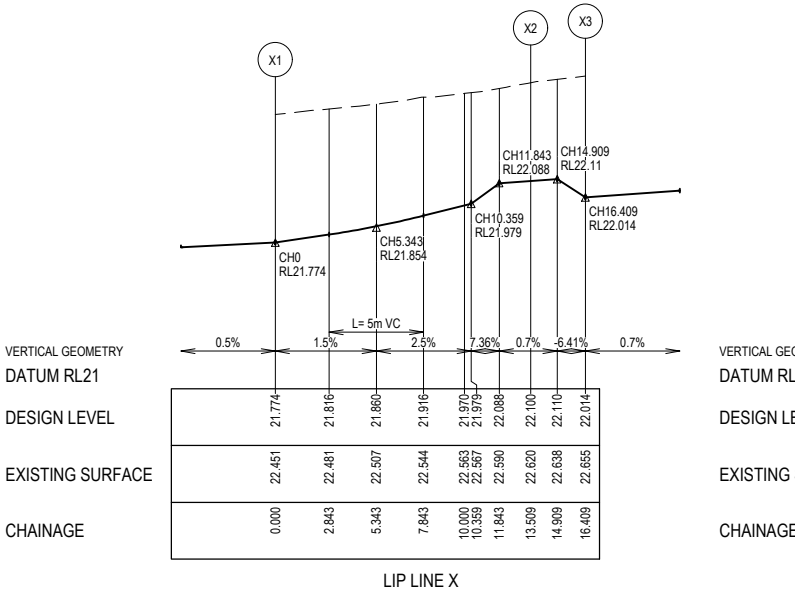
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
V1 - V2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	21.633



LIP LINE W

Point no	Easting	Northing	RL
W1	8675.027	81560.206	21.778
W2	8670.312	81548.995	21.567

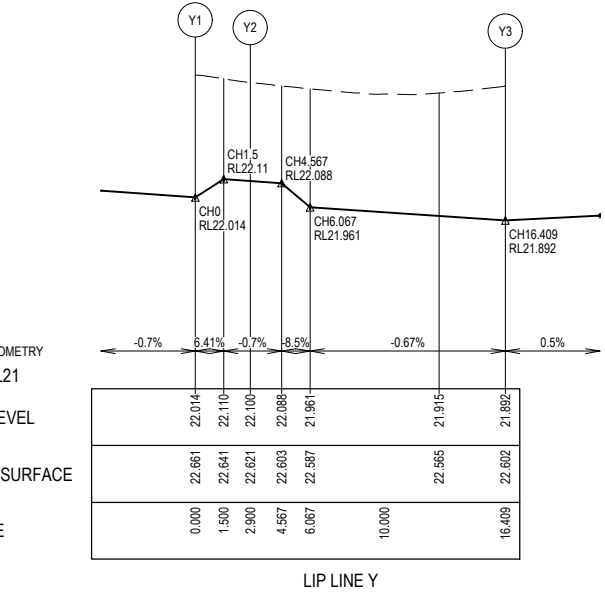
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
W1 - W2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	21.675



LIP LINE X

Point no	Easting	Northing	RL
X1	8671.869	81555.830	21.774
X2	8676.584	81577.041	22.100
X3	8675.469	81579.726	22.014

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
X1 - X2	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	21.890



LIP LINE Y

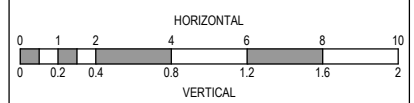
Point no	Easting	Northing	RL
Y1	8681.414	81582.144	22.014
Y2	8682.510	81579.458	22.100
Y3	8693.721	81574.744	21.892

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Y2 - Y3	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	21.937

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	PARKING BAY ADDED ON BURBANK	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



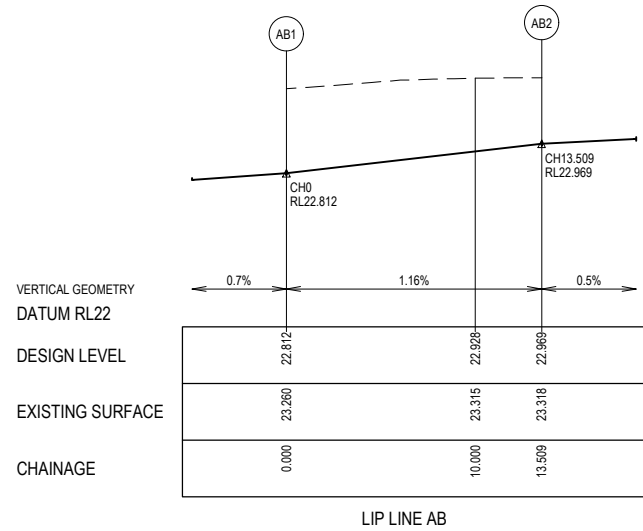
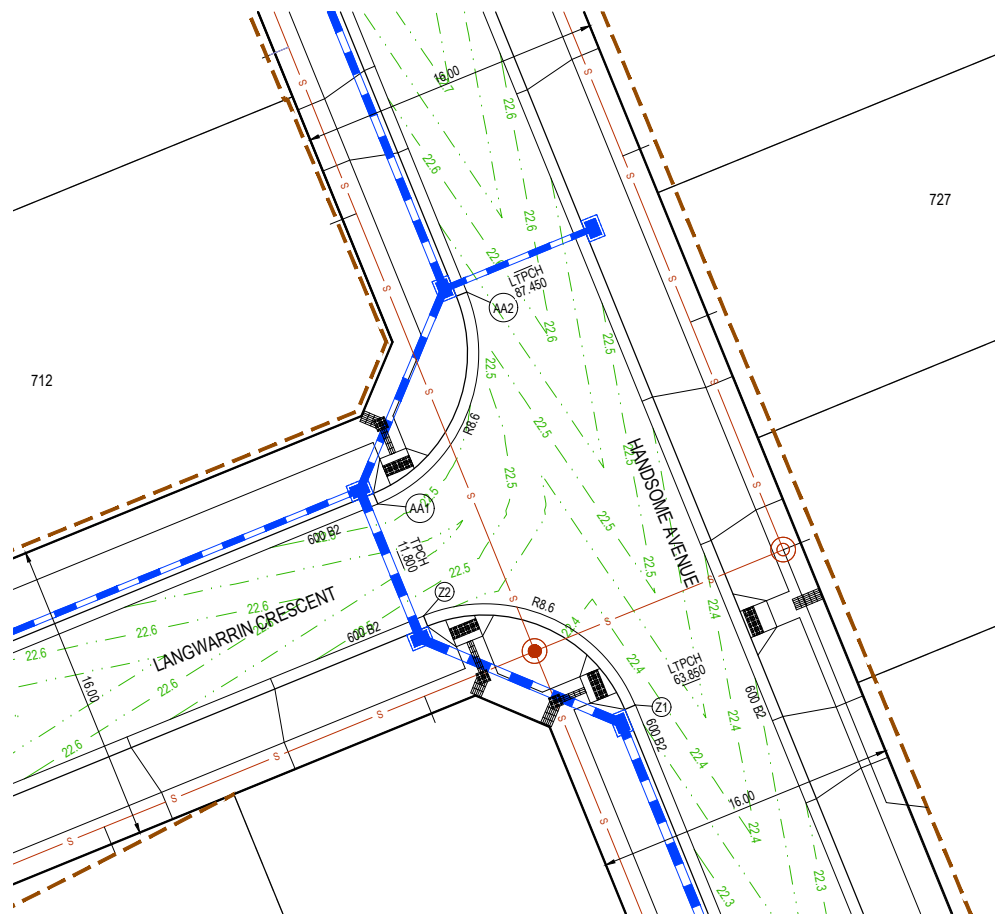
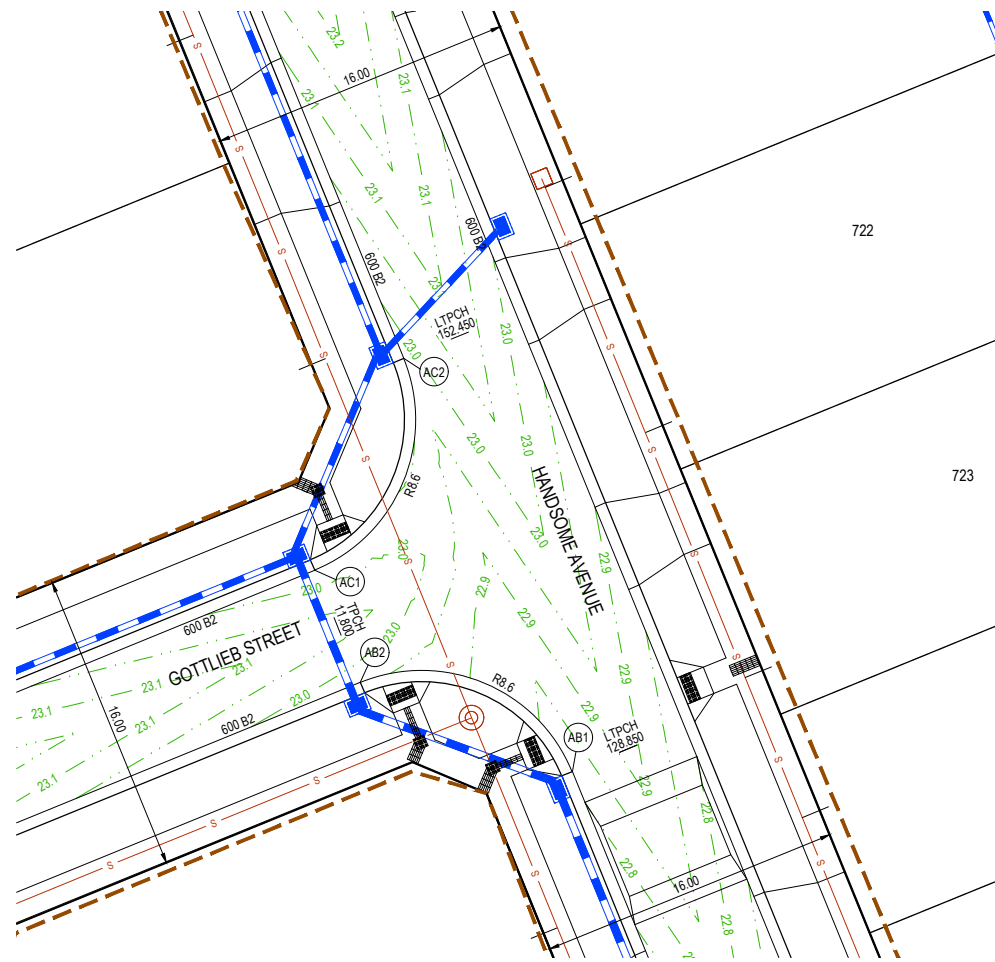
Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: INTERSECTION DETAILS (SHEET 7 OF 9)

Sheet 27 of 39
Scale: 1:100 H 1:20 V @ A1
Project Ref: 1101438 Stage No: 07 Drawing No: 306 Rev: A

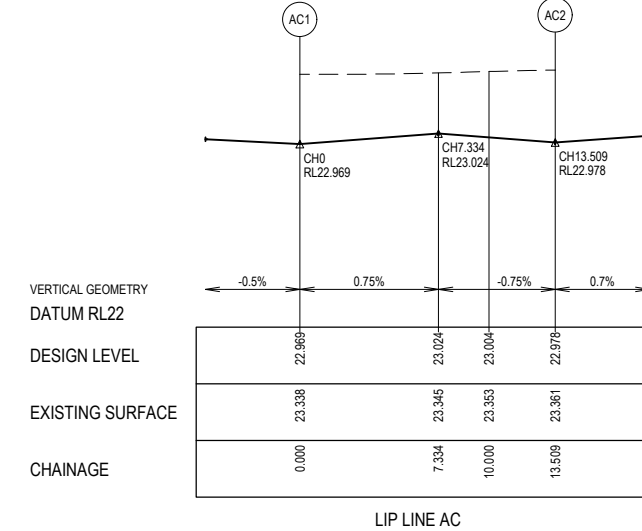
K:\Data\1101438\110 Smiths Lane, Clyde (MRVAC) - Eng\Stage 7\Drawings\1101438-07-300-INT.dwg



LIP LINE AB

Point no	Easting	Northing	RL
AB1	8632.373	81685.421	22.812
AB2	8621.162	81690.135	22.969

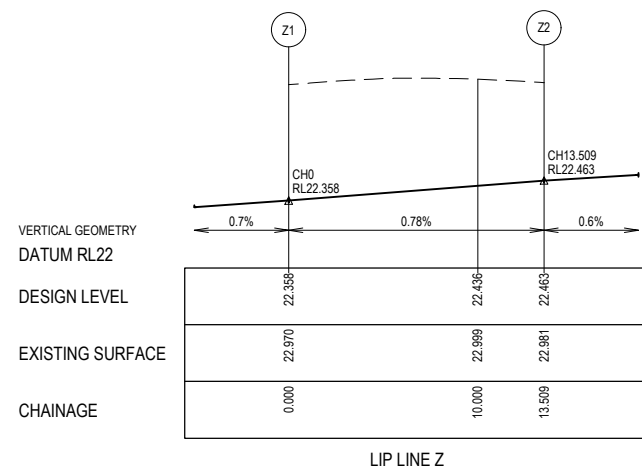
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AB1 - AB2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	22.891



LIP LINE AC

Point no	Easting	Northing	RL
AC1	8618.745	81696.061	22.969
AC2	8623.459	81707.273	22.978

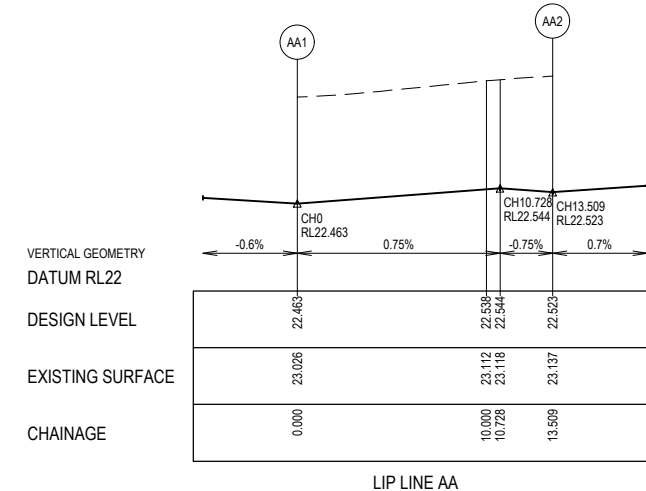
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AC1 - AC2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	23.020



LIP LINE Z

Point no	Easting	Northing	RL
Z1	8656.924	81625.236	22.358
Z2	8645.713	81629.950	22.463

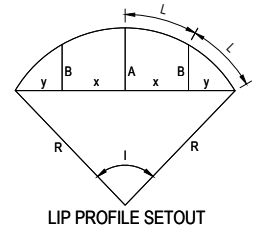
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Z1 - Z2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	22.410



LIP LINE AA

Point no	Easting	Northing	RL
AA1	8643.296	81635.876	22.463
AA2	8648.010	81647.087	22.523

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AA1 - AA2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	22.514

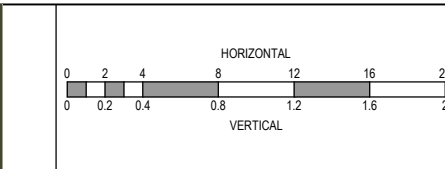


LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	LIP LINE AA AND AC UPDATED	02.11.20	CD	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C



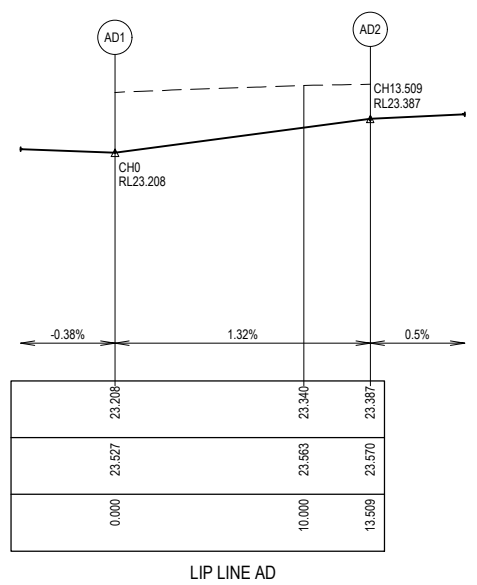
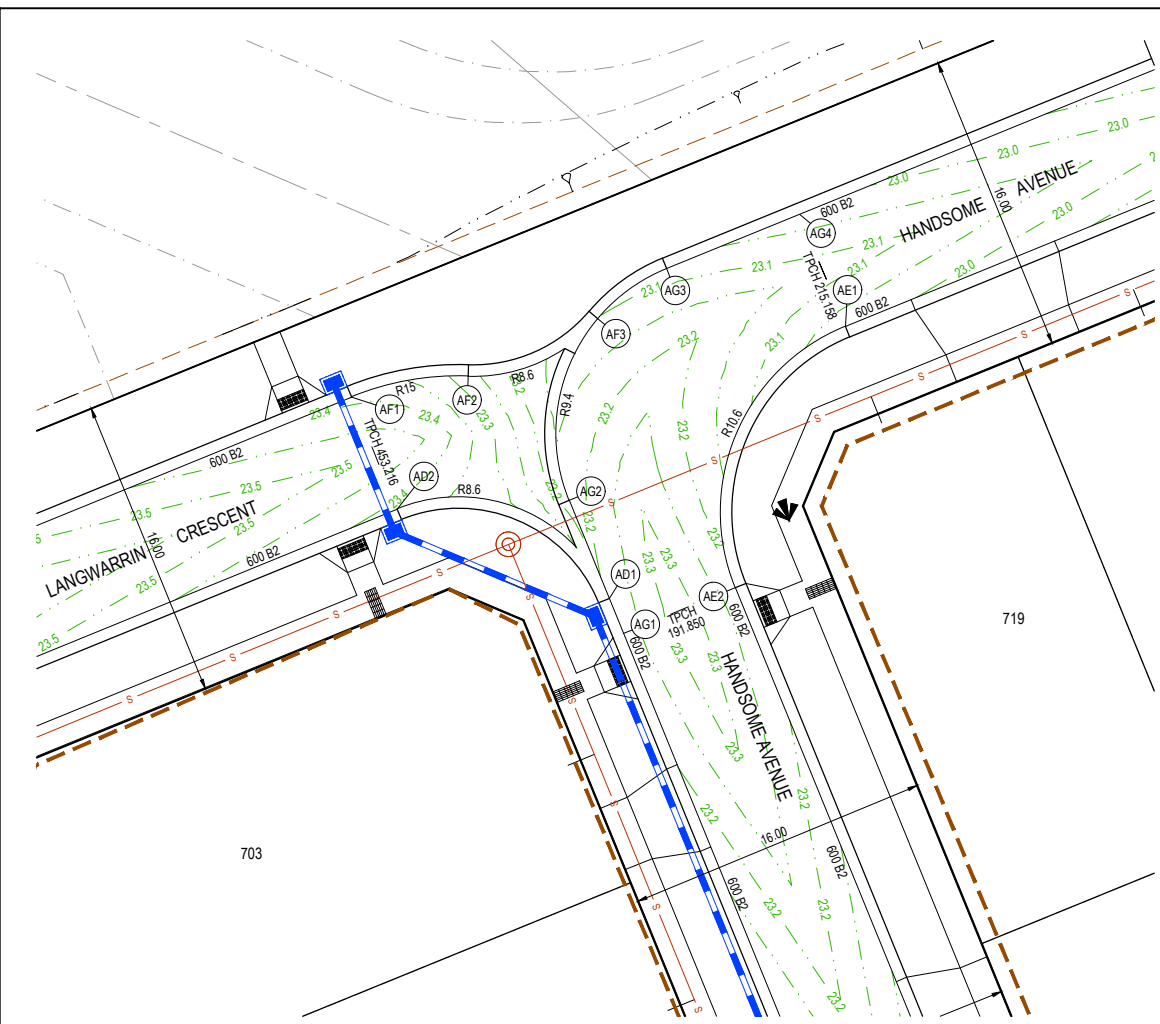
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: INTERSECTION DETAILS (SHEET 8 OF 9)

Sheet 28 of 39

Scale: 1:200 H 1:20 V @ A1

Project Ref	Stage No	Drawing No	Rev
1101438	07	307	B

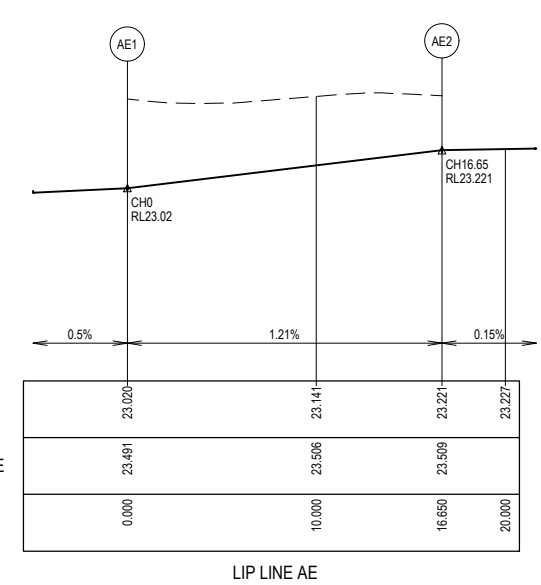
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC) - Eng\Stage 7\Drawings\1101438-07-300-INT.dwg



LIP LINE AD

Point no	Easting	Northing	RL
AD1	8607.822	81745.606	23.208
AD2	8596.611	81750.321	23.387

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AD1 - AD2	89.999	8.600	13.509	2.519	1.864	3.291	2.790	3.377	23.297



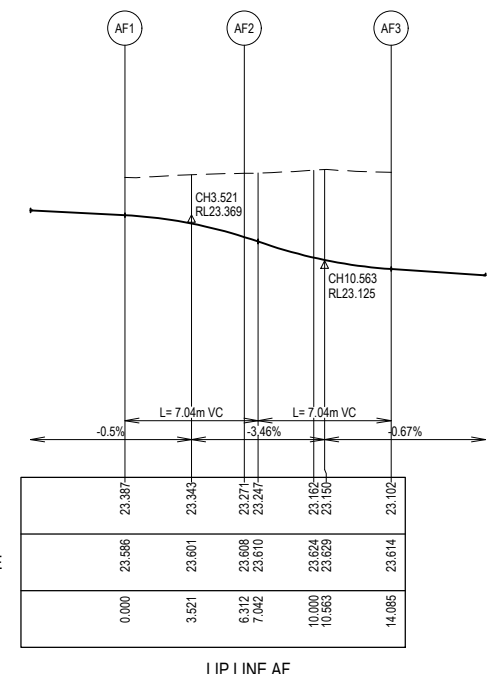
LIP LINE AE

Point no	Easting	Northing	RL
AE1	8620.315	81759.990	23.020
AE2	8614.504	81746.171	23.221

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AE1 - AE2	90.000	10.600	16.650	3.105	2.298	4.056	3.439	4.163	23.121

703

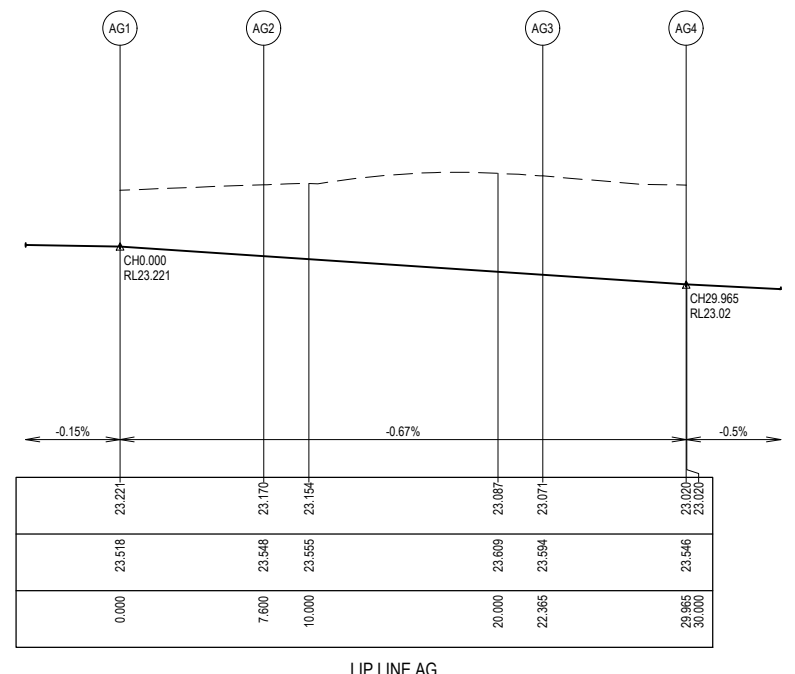
719



LIP LINE AF

Point no	Easting	Northing	RL
AF1	8594.194	81756.247	23.387
AF2	8600.362	81757.349	23.271
AF3	8607.225	81760.401	23.102

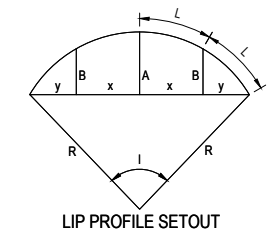
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AF1 - AF2	24.110	15.000	6.312	0.331	0.248	1.575	1.558	1.578	23.350
AF2 - AF3	51.783	8.600	7.773	0.863	0.645	1.927	1.829	1.943	23.158



LIP LINE AG

Point no	Easting	Northing	RL
AG1	8608.578	81743.754	23.221
AG2	8605.707	81750.791	23.170
AG3	8610.861	81763.045	23.071
AG4	8617.898	81765.916	23.020

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
AG2 - AG3	90.000	9.400	14.765	2.753	2.038	3.597	3.050	3.691	23.121



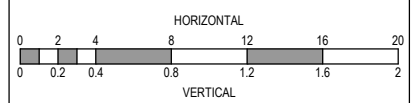
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



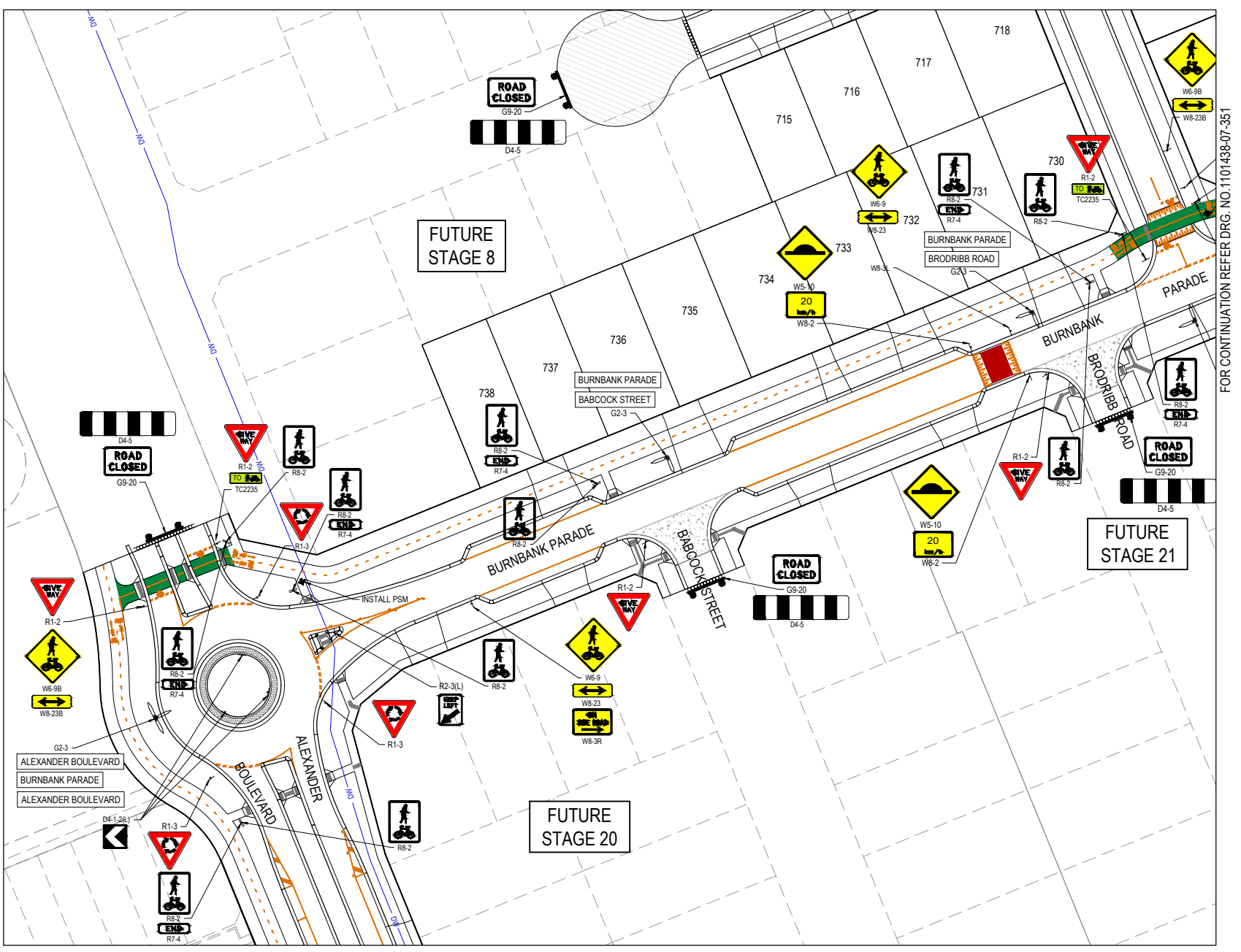
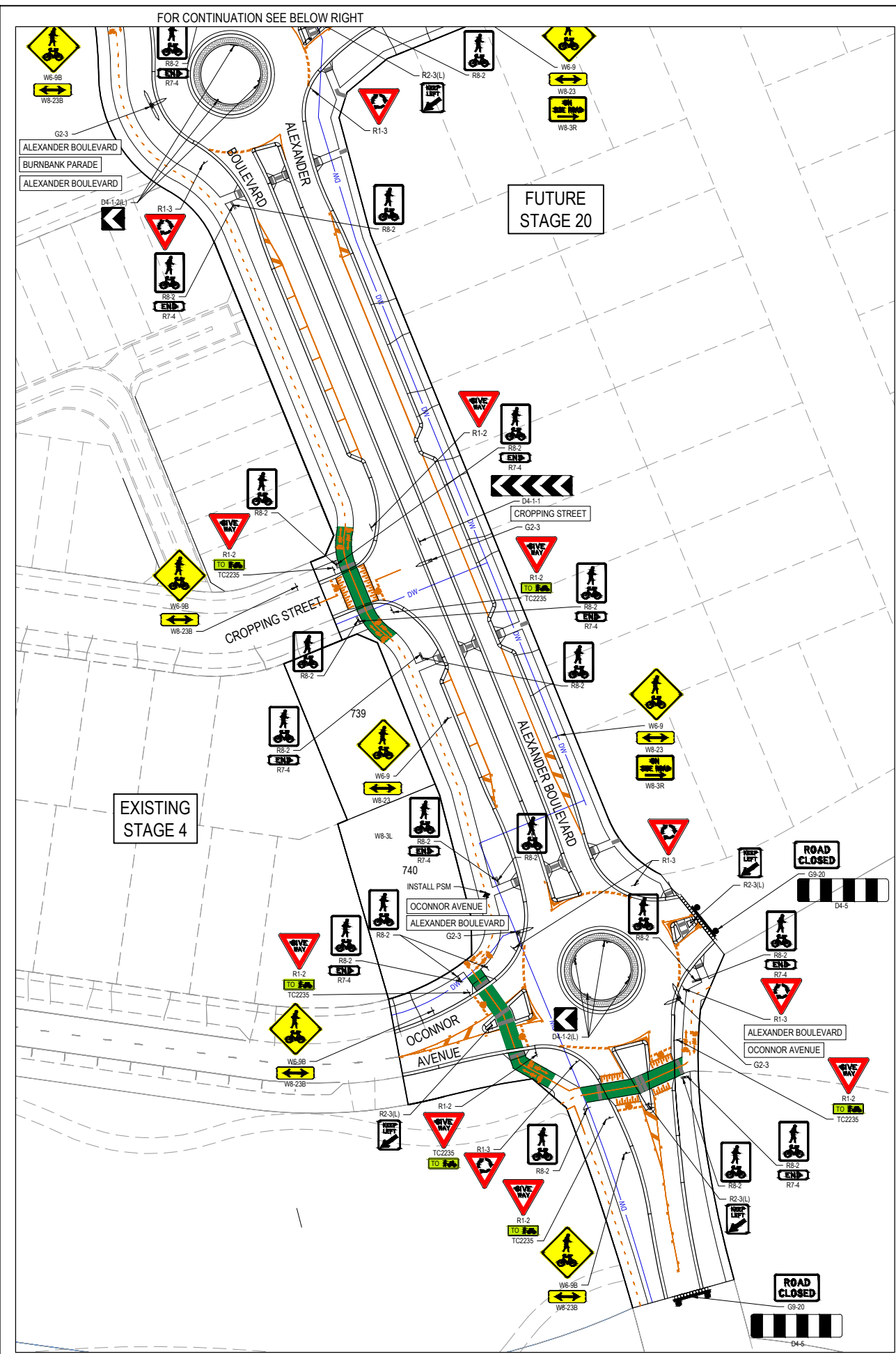
Designed Date: S. GILBERT 01.04.20
Drawn: M.F. JAURIGUE
Approved Date: L. MURRAY
PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
Drawing Title: INTERSECTION DETAILS (SHEET 9 OF 9)

Sheet 29 of 39
Scale: 1:200 H 1:20 V @ A1
Project Ref: 1101438
Stage No: 07
Drawing No: 308
Rev: A

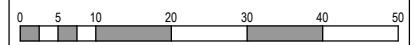
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MRVAC) - Eng\Stage 7\Drawings\1101438-07-300-INT.dwg



- NOTES**
- RRPM'S AT MAX 6m SPACING.
 - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 - LINEMARKING IN ACCORDANCE WITH AS1742.
 - TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
 - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 - 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.

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	SHARED CROSSING LINEMARKING AMENDED	23.10.20	LM	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	SIGNAGE UPDATED	28.08.20	LM	DB					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

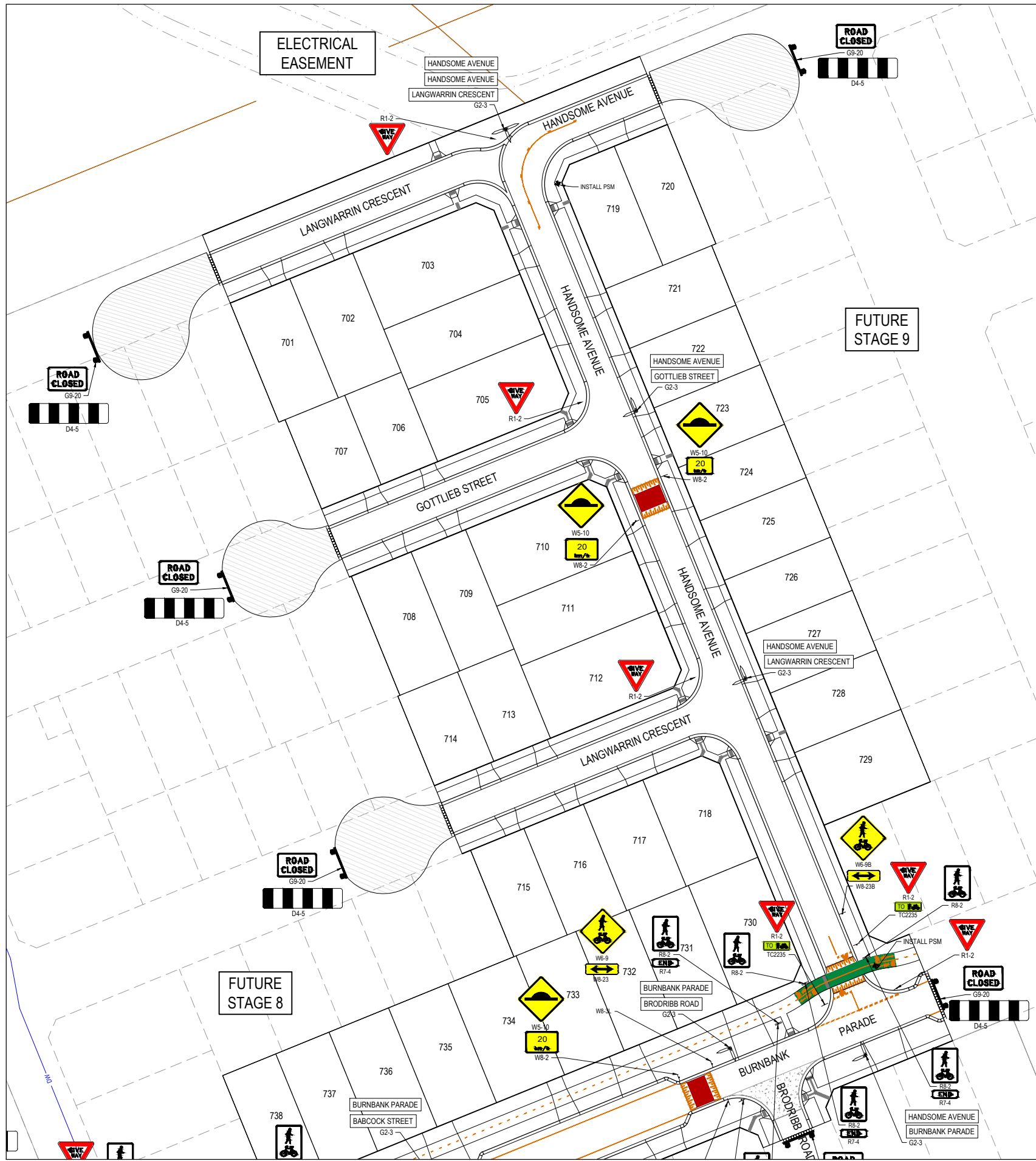


Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: SIGNAGE & LINE MARKING PLANS (SHEET 1 OF 2)

Sheet 30 of 39
 Scale: 1:500 @ A1
 Project Ref: 1101438
 Stage No: 07
 Drawing No: 350
 Rev: B



- NOTES**
- RRPM'S AT MAX 6m SPACING.
 - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 - LINEMARKING IN ACCORDANCE WITH AS1742.
 - TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
 - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 - 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.

FOR CONTINUATION REFER DRG. NO.1101438-07-350

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	SHARED CROSSING LINEMARKING AMENDED	23.10.20	LM	DB					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	PARKING BAY ADDED ON BURNBANK	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.08.20	CD	LM					

SMITHS LANE
CLYDE NORTH

Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

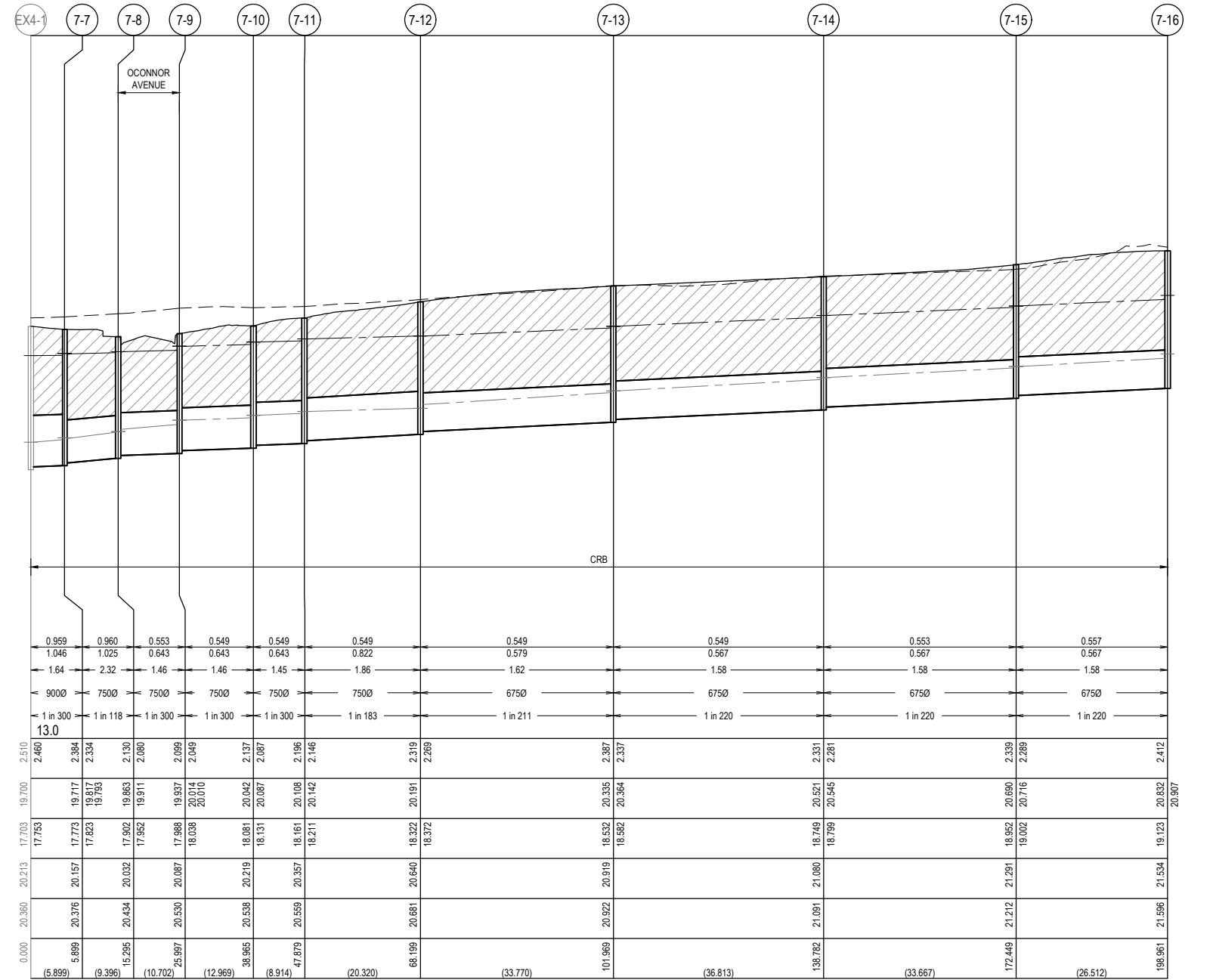
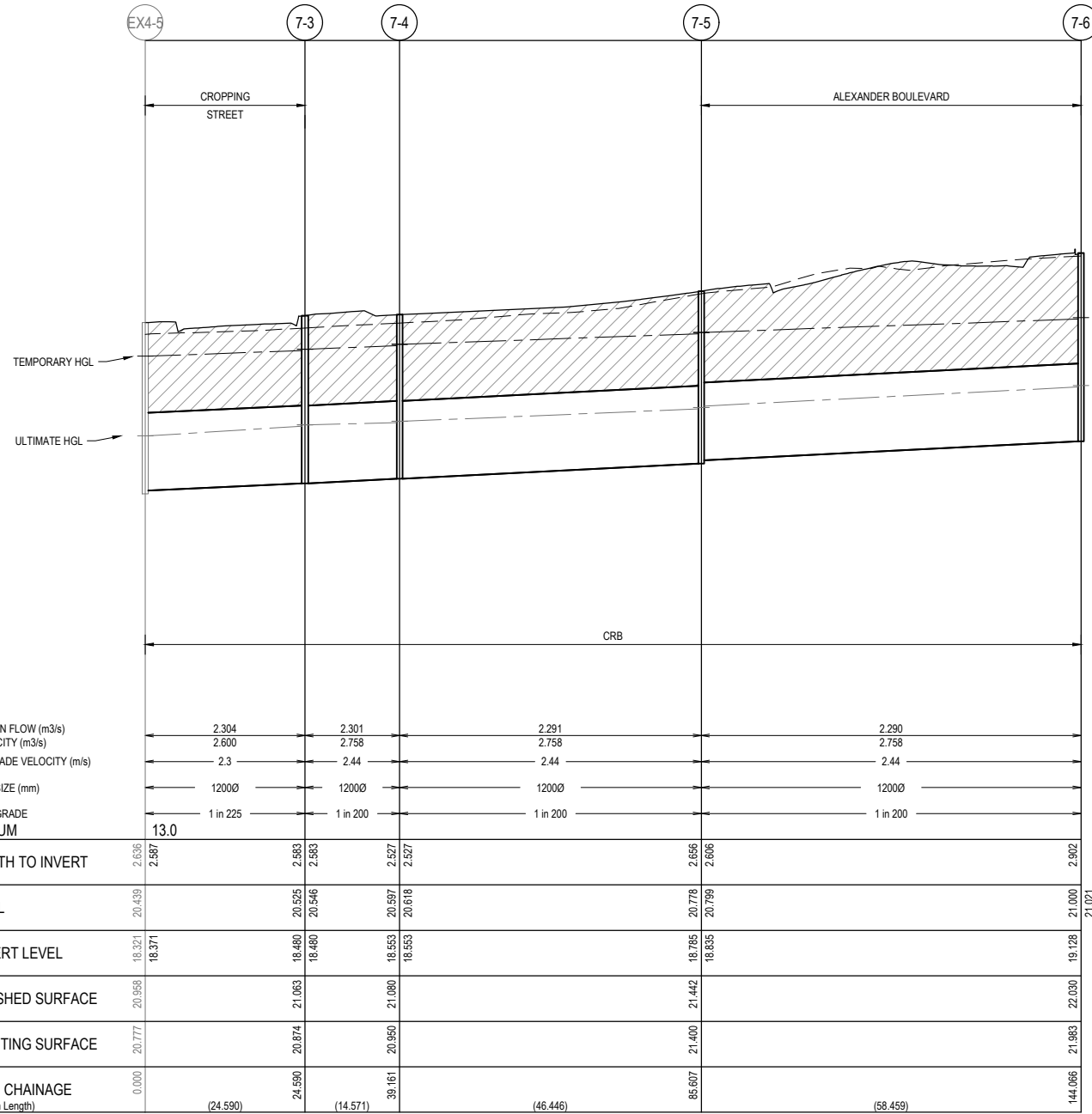
BW Beveridge Williams
 1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)

Sheet 31 of 39
 Scale: 1:500 @ A1
 Project Ref: 1101438
 Stage No: 07
 Drawing No: 351
 Rev: B

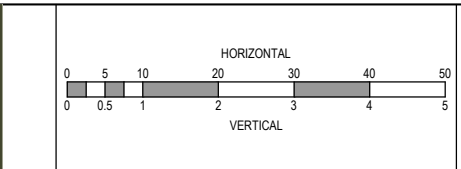
NOTES:
 ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	INT. HYDRAULIC GRADE LINE
	ULT. HYDRAULIC GRADE LINE
	NOTES 20mm CLASS 3 FCR BACKFILL



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

BW Beveridge Williams
 1 Glenferrie Road
 Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

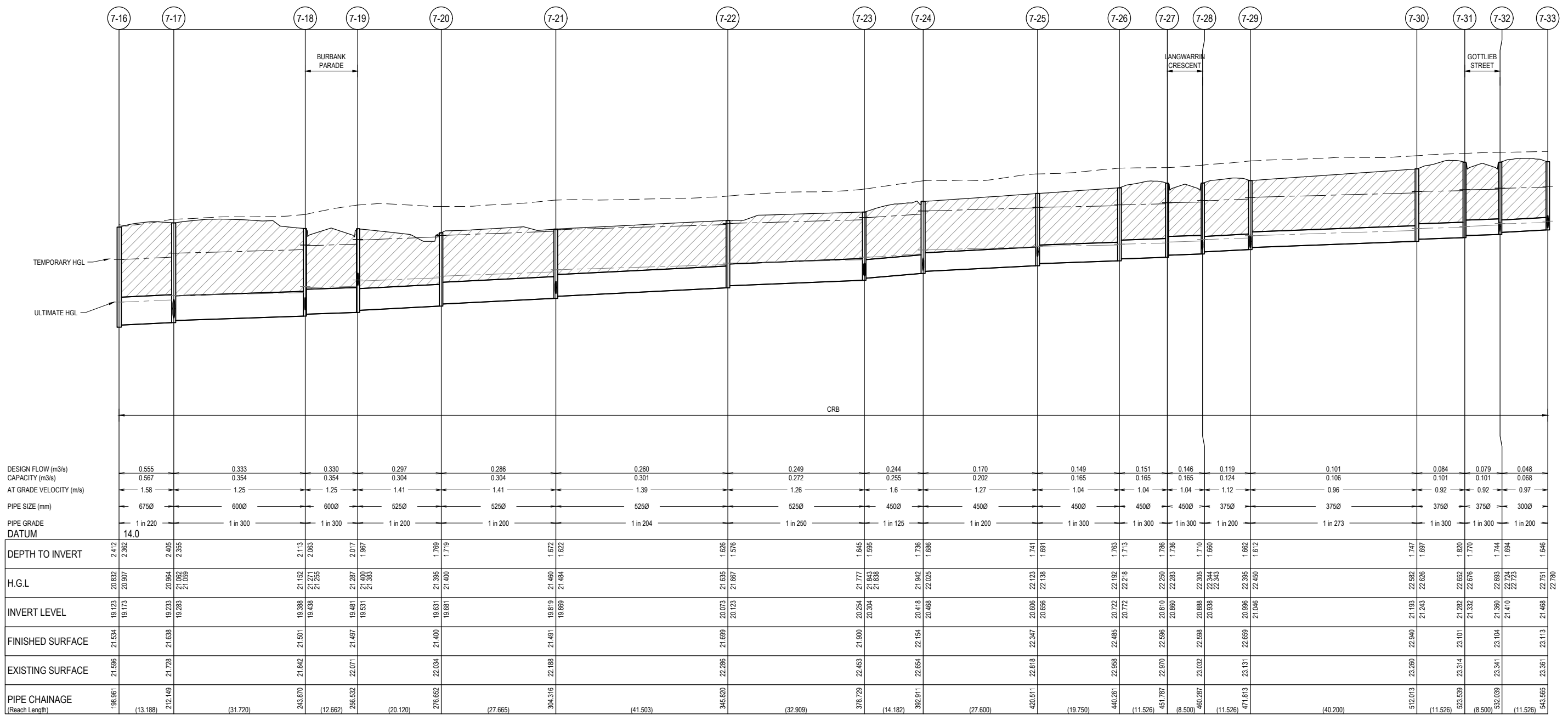
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 5)

Sheet 32 of 39
 Scale: 1:500 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 400 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-400-DLS.dwg

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

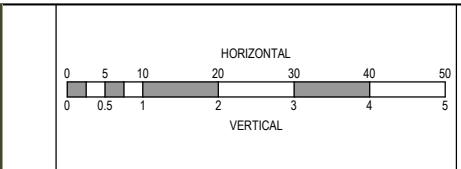
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

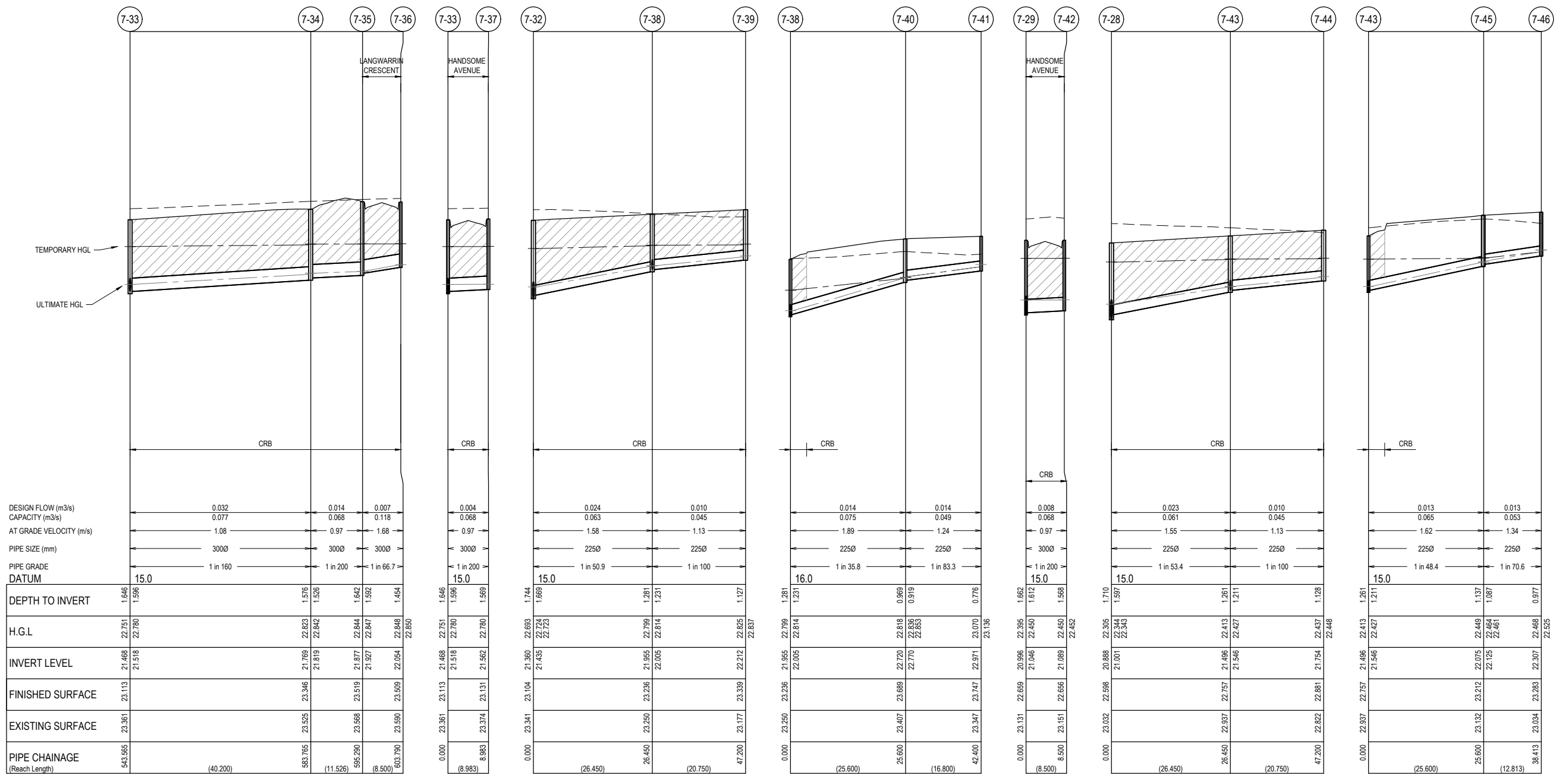
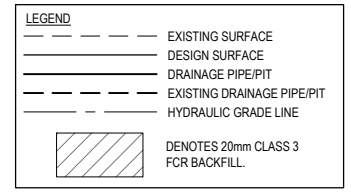


Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 5)

Sheet 33 of 39
 Scale: 1:500 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 401 Rev: A

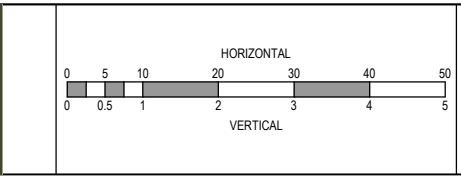
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-400-DLS.dwg

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



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C



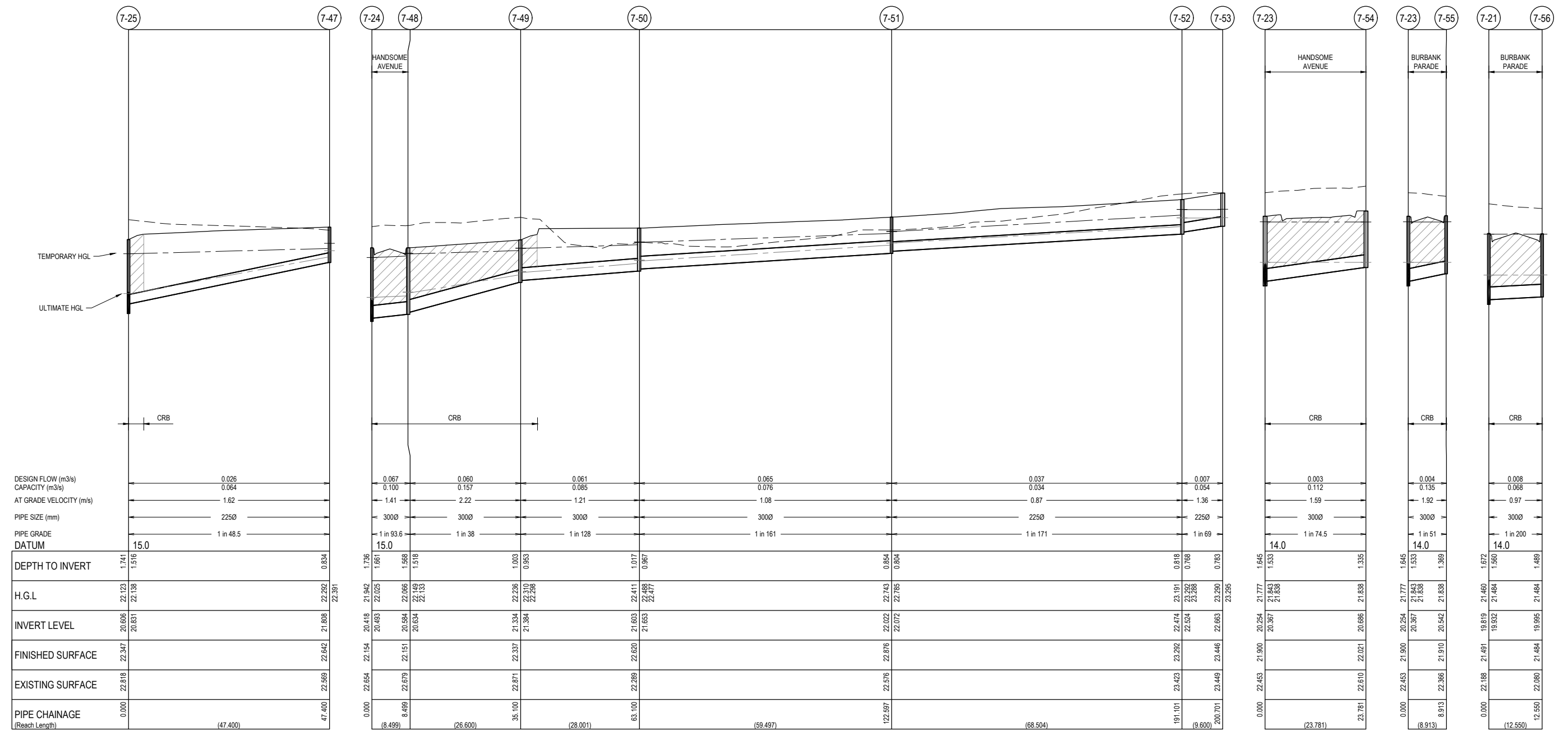
Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 5)

Sheet 34 of 39
 Scale: 1:500 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 402 Rev: A

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-400-DLS.dwg

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

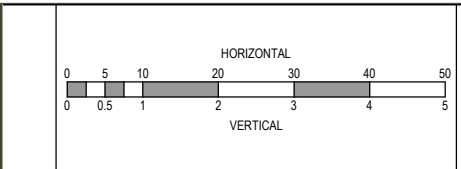
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

REV	DESCRIPTION	DATE	DRN.	APP.



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C

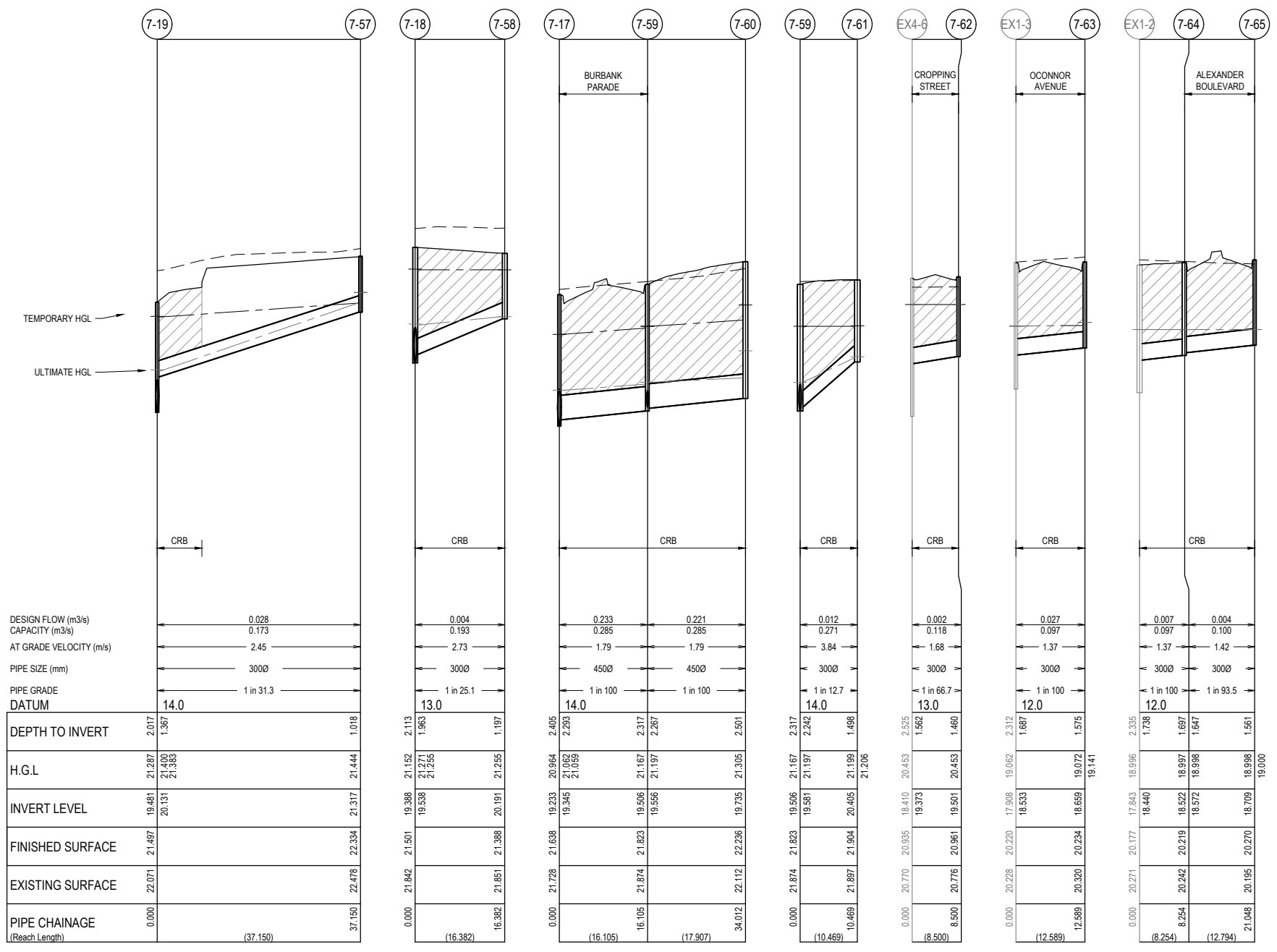
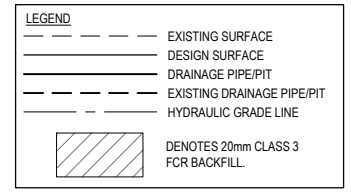


Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 5)

Sheet 35 of 39
 Scale: 1:500 H 1:50 V @ A1
 Project Ref: 1101438 Stage No: 07 Drawing No: 403 Rev: A

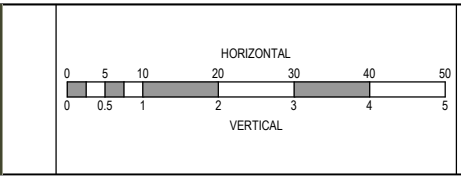
K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-400-DLS.dwg

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

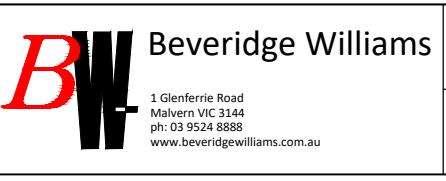


FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date: S. GILBERT 01.04.20
 Drawn: M.F. JAURIGUE
 Approved Date: L. MURRAY
 PS Number: PS837138C



Project Details: SMITHS LANE STAGE 07 CITY OF CASEY, R5473
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 5 OF 5)


Sheet 36 of 39	
Scale: 1:500 H 1:50 V @ A1	Project Ref: 1101438
Stage No: 07	Drawing No: 404
Rev: A	

K:\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)_Eng\Stage 7\Drawings\1101438-07-400-DLS.dwg

PIT NUMBER	PIT TYPE	INTERNAL DIMENSION		LENGTH (mm)	DIAMETER (mm)	PIT SCHEDULE		COVER LEVEL (m)	DEPTH (m)	PIT STANDARD DRAWING	REMARKS
		WIDTH (mm)	DEPTH (mm)			INLET	OUTLET				
X3-2	JUNCTION PIT	600 (t) 600 (b)	900 (t) 1800 (b)	1200	1200	17.849	1200	17.849	20.01	2.16	REPLACE TEMPORARY PIT LID WITH CLASS B PIT COVER
X1-3	SIDE ENTRY PIT	750 (t) 2250 (b)	1000 (t) 1000 (b)	1200	1200	17.908	1200	17.908	20.26	2.35	REPLACE TEMPORARY PIT LID WITH GRATED INLET UNIT AND CLASS B PIT COVER
X4-2	JUNCTION PIT	600 (t) 2850 (b)	900 (t) 900 (b)	1200	1200	18.095	1200	17.995	20.63	2.63	REPLACE TEMPORARY PIT LID WITH CLASS B PIT COVER
X4-4	GRADED ENTRY PIT	600 (t) 1500 (b)	900 (t) 900 (b)	1200	1200	18.199	1200	18.149	20.75	2.61	REPLACE TEMPORARY PIT LID WITH GRATED INLET UNIT AND CLASS B PIT COVER
X4-5	JUNCTION PIT	600 (t) 1500 (b)	900 (t) 1650 (b)	750	750	18.371	1200	18.321	20.89	2.56	REPLACE TEMPORARY PIT LID WITH CLASS B PIT COVER
X4-6	DOUBLE GRADED ENTRY PIT	600 (t) 1050 (b)	900 (t) 1500 (b)	750	750	18.460	750	18.430	21.06	2.85	REPLACE TEMPORARY PIT LID WITH DOUBLE GRADED INLET UNIT AND CLASS B PIT COVER
7-3	SIDE ENTRY PIT	600 (t) 1650 (b)	900 (t) 900 (b)	1200	1200	18.480	1200	18.480	21.06	2.58	VPA EDCM STG DWG 607/601
7-4	SIDE ENTRY PIT	600 (t) 1500 (b)	900 (t) 900 (b)	1200	1200	18.553	1200	18.553	21.08	2.53	VPA EDCM STG DWG 607/601
7-5	SIDE ENTRY PIT	600 (t) 1500 (b)	900 (t) 900 (b)	1200	1200	18.835	1200	18.785	21.44	2.66	VPA EDCM STG DWG 607/601
7-6	SIDE ENTRY PIT	600 (t) 1500 (b)	900 (t) 900 (b)	1200	1200	19.130	1200	19.128	22.03	2.90	VPA EDCM STG DWG 607/601
7-7	JUNCTION PIT	900 (t) 1200 (b)	900 (t) 1200 (b)	750	750	17.823	900	17.773	20.16	2.38	VPA EDCM STD DWG 607 MW SD 7251/08/417 MW SD 7251/08/423 PROVIDE MW FLAT PIPE GRILL AND 600mm CONCRETE APRON AROUND PIT
7-8	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	750	750	17.952	750	17.902	20.03	2.13	VPA EDCM STG DWG 607 PROVIDE TEMPORARY PIT COVER
7-9	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	750	750	18.038	750	17.988	20.09	2.10	VPA EDCM STG DWG 607 PROVIDE TEMPORARY PIT COVER
7-10	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	750	750	18.131	750	18.081	20.22	2.14	VPA EDCM STG DWG 607 HAUNCH UNDER NATURE STRIP
7-11	SIDE ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	750	750	18.211	750	18.161	20.36	2.20	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-12	SIDE ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	675	675	18.372	750	18.322	20.64	2.32	VPA EDCM STG DWG 607/601
7-13	SIDE ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	675	675	18.582	675	18.532	20.92	2.39	VPA EDCM STG DWG 607/601
7-14	SIDE ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	675	675	18.799	675	18.749	21.08	2.33	VPA EDCM STG DWG 607/601 PROVIDE HEAVY DUTY COVER
7-15	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	675	675	19.002	675	18.952	21.29	2.34	VPA EDCM STG DWG 607
7-16	SIDE ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	675	675	19.173	675	19.123	21.53	2.41	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-17	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	600	600	19.283	675	19.233	21.64	2.41	VPA EDCM STG DWG 607 HAUNCH UNDER NATURE STRIP
7-18	SIDE ENTRY PIT	600 (t) 900 (b)	900 (t) 900 (b)	600	600	19.438	600	19.388	21.50	2.11	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-19	SIDE ENTRY PIT	600 (t) 900 (b)	900 (t) 900 (b)	525	525	19.531	600	19.481	21.50	2.02	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-20	SIDE ENTRY PIT	600 (t) 900 (b)	900 (t) 900 (b)	525	525	19.681	525	19.631	21.40	1.77	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-21	SIDE ENTRY PIT	600 (t) 900 (b)	900 (t) 900 (b)	525	525	19.869	525	19.819	21.49	1.67	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP
7-22	JUNCTION PIT	600 (t) 900 (b)	900 (t) 900 (b)	525	525	20.123	525	20.073	21.70	1.63	VPA EDCM STG DWG 607/601 HAUNCH UNDER NATURE STRIP PROVIDE HEAVY DUTY COVER
7-23	JUNCTION PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	450	450	20.304	525	20.254	21.90	1.65	VPA EDCM STG DWG 607 HAUNCH UNDER NATURE STRIP
7-24	DOUBLE GRADED ENTRY PIT	600 (t) 1000 (b)	900 (t) 1000 (b)	450	450	20.468	450	20.418	22.15	1.74	VPA EDCM STG DWG 607/602
7-25	JUNCTION PIT	600	900	300	300	20.493	450	20.443	22.35	1.74	VPA EDCM STG DWG 607
7-26	JUNCTION PIT	600	900	225	225	20.831	450	20.781	22.49	1.76	VPA EDCM STG DWG 607/601
7-27	SIDE ENTRY PIT	600	900	450	450	20.772	450	20.722	22.60	1.79	VPA EDCM STG DWG 607/601
7-28	SIDE ENTRY PIT	600	900	375	375	20.938	450	20.888	22.60	1.71	VPA EDCM STG DWG 607/601
7-29	SIDE ENTRY PIT	600	900	225	225	21.001	375	20.951	22.66	1.66	VPA EDCM STG DWG 607/601
7-30	JUNCTION PIT	600	900	375	375	21.243	375	21.193	22.94	1.75	VPA EDCM STG DWG 607
7-31	SIDE ENTRY PIT	600	900	375	375	21.332	375	21.282	23.10	1.82	VPA EDCM STG DWG 607/601
7-32	SIDE ENTRY PIT	600	900	300	300	21.410	375	21.360	23.10	1.74	VPA EDCM STG DWG 607/601
7-33	SIDE ENTRY PIT	600	900	225	225	21.435	300	21.385	23.11	1.65	VPA EDCM STG DWG 607/601
7-34	JUNCTION PIT	600	900	300	300	21.518	300	21.468	23.11	1.58	VPA EDCM STG DWG 607
7-35	SIDE ENTRY PIT	600	900	300	300	21.819	300	21.769	23.35	1.58	VPA EDCM STG DWG 607
7-36	SIDE ENTRY PIT	600	900	300	300	21.927	300	21.877	23.52	1.64	VPA EDCM STG DWG 607/601
7-37	SIDE ENTRY PIT	600	900	450	450	22.054	300	21.954	23.51	1.45	VPA EDCM STG DWG 607/601
7-38	JUNCTION PIT	600	900	225	225	21.562	300	21.512	23.13	1.57	VPA EDCM STG DWG 607/601
7-39	JUNCTION PIT	600	900	225	225	21.955	225	21.905	23.24	1.28	VPA EDCM STG DWG 607 PROVIDE HEAVY DUTY COVER
7-40	JUNCTION PIT	600	900	225	225	22.005	225	21.955	23.24	1.28	VPA EDCM STG DWG 607
7-41	JUNCTION PIT	600	900	225	225	22.212	225	22.162	23.34	1.13	VPA EDCM STG DWG 607
7-42	JUNCTION PIT	600	900	225	225	22.720	225	22.670	23.69	0.97	VPA EDCM STG DWG 607
7-43	SIDE ENTRY PIT	600	900	225	225	22.971	225	22.921	23.75	0.78	VPA EDCM STG DWG 607
7-44	SIDE ENTRY PIT	600	900	300	300	21.089	300	21.039	22.66	1.57	VPA EDCM STG DWG 607/601
7-45	JUNCTION PIT	600	900	225	225	21.496	225	21.446	22.76	1.26	VPA EDCM STG DWG 607 PROVIDE HEAVY DUTY COVER
7-46	JUNCTION PIT	600	900	225	225	21.546	225	21.496	22.76	1.26	VPA EDCM STG DWG 607
7-47	JUNCTION PIT	600	900	225	225	21.546	225	21.496	22.76	1.26	VPA EDCM STG DWG 607
7-48	JUNCTION PIT	600	900	225	225	21.546	225	21.496	22.76	1.26	VPA EDCM STG DWG 607
7-49	DOUBLE GRADED ENTRY PIT	600	900	300	300	21.754	300	21.704	22.88	1.13	VPA EDCM STG DWG 607
7-50	JUNCTION PIT	600	900	225	225	22.075	225	22.025	23.21	1.14	VPA EDCM STG DWG 607
7-51	JUNCTION PIT	600	900	225	225	22.307	225	22.257	23.28	0.98	VPA EDCM STG DWG 607
7-52	JUNCTION PIT	600	900	225	225	21.808	225	21.758	22.64	0.89	VPA EDCM STG DWG 607
7-53	JUNCTION PIT	600	900	300	300	22.054	300	21.954	23.51	1.57	VPA EDCM STG DWG 607/601
7-54	JUNCTION PIT	600	900	300	300	21.334	300	21.284	23.34	1.00	VPA EDCM STG DWG 607
7-55	JUNCTION PIT	600	900	300	300	21.603	300	21.553	22.62	1.02	VPA EDCM STG DWG 607
7-56	JUNCTION PIT	600	900	225	225	22.022	300	21.972	22.88	0.85	VPA EDCM STG DWG 607
7-57	JUNCTION PIT	600	900	225	225	22.524	225	22.474	23.29	0.82	VPA EDCM STG DWG 607
7-58	JUNCTION PIT	600	900	225	225	22.663	225	22.613	23.45	0.78	VPA EDCM STG DWG 607
7-59	SIDE ENTRY PIT	600	900	300	300	20.686	300	20.636	22.02	1.34	VPA EDCM STG DWG 607/601
7-60	SIDE ENTRY PIT	600	900	300	300	20.542	300	20.492	21.91	1.37	VPA EDCM STG DWG 607/601
7-61	SIDE ENTRY PIT	600	900	300	300	19.995	300	19.945	21.48	1.49	VPA EDCM STG DWG 607/601
7-62	JUNCTION PIT	600	900	225	225	21.317	300	21.267	22.33	1.02	VPA EDCM STG DWG 607
7-63	SIDE ENTRY PIT	600	900	300	300	20.191	300	20.141	21.39	1.20	VPA EDCM STG DWG 607/601
7-64	JUNCTION PIT	600	900	450	450	19.556	450	19.506	21.82	2.32	VPA EDCM STG DWG 607
7-65	JUNCTION PIT	600	900	300	300	19.581	450	19.531	21.82	2.32	VPA EDCM STG DWG 607
7-66	JUNCTION PIT	600	900	450	450	19.785	450	19.735	22.24	2.50	VPA EDCM STG DWG 607 PROVIDE TEMPORARY PIT COVER
7-67	SIDE ENTRY PIT	600	900	300	300	20.405	300	20.355	21.90	1.50	VPA EDCM STG DWG 607/601
7-68	DOUBLE GRADED ENTRY PIT	600	900	300	300	19.501	300	19.451	20.96	1.46	VPA EDCM STG DWG 607/602
7-69	DOUBLE GRADED ENTRY PIT	600	900	300	300	18.659	300	18.609	20.23	1.58	VPA EDCM STG DWG 607/602
7-70	DOUBLE GRADED ENTRY PIT	600	900	300	300	18.572	300	18.522	20.22	1.70	VPA EDCM STG DWG 607/602
7-71	DOUBLE GRADED ENTRY PIT	600	900	300	300	18.709	300	18.659	20.27	1.56	VPA EDCM STG DWG 607/602

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				
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB
P3	COUNCIL COMMENTS	31.08.20	LM	DB
P2	LOT LEVELS UPDATED	12.08.20	CD	LM
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM
REV	DESCRIPTION	DATE	DRN.	APP.



Designed By: S. GILBERT
Date: 01.04.20

Drawn By: M.F. JAURIGUE

Approved By: L. MURRAY

PS Number: PS837138C



Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

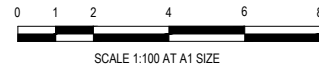
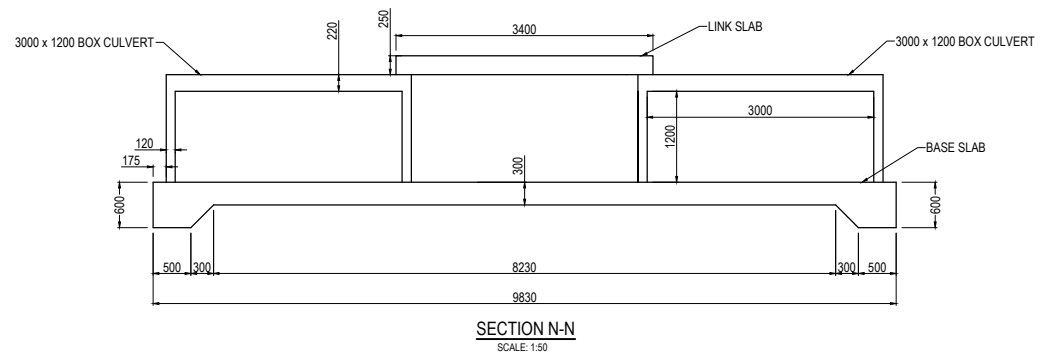
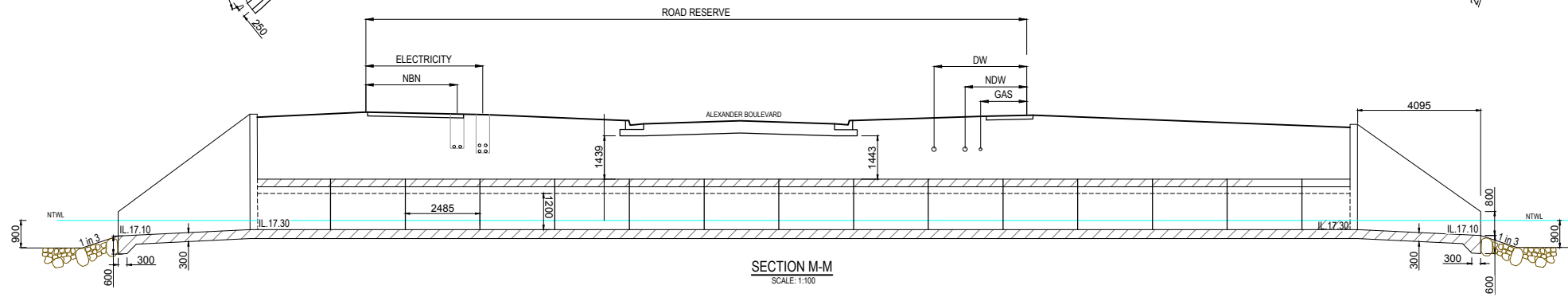
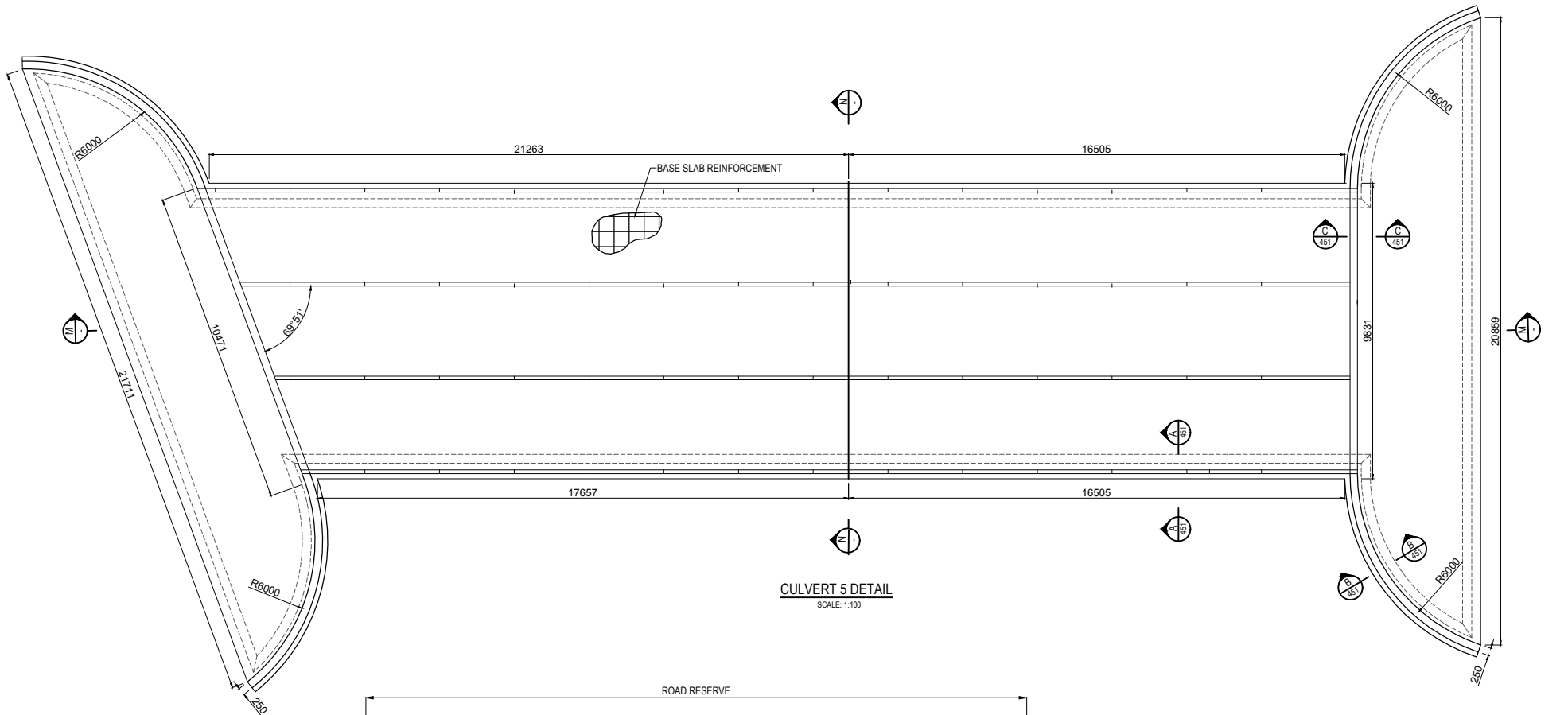
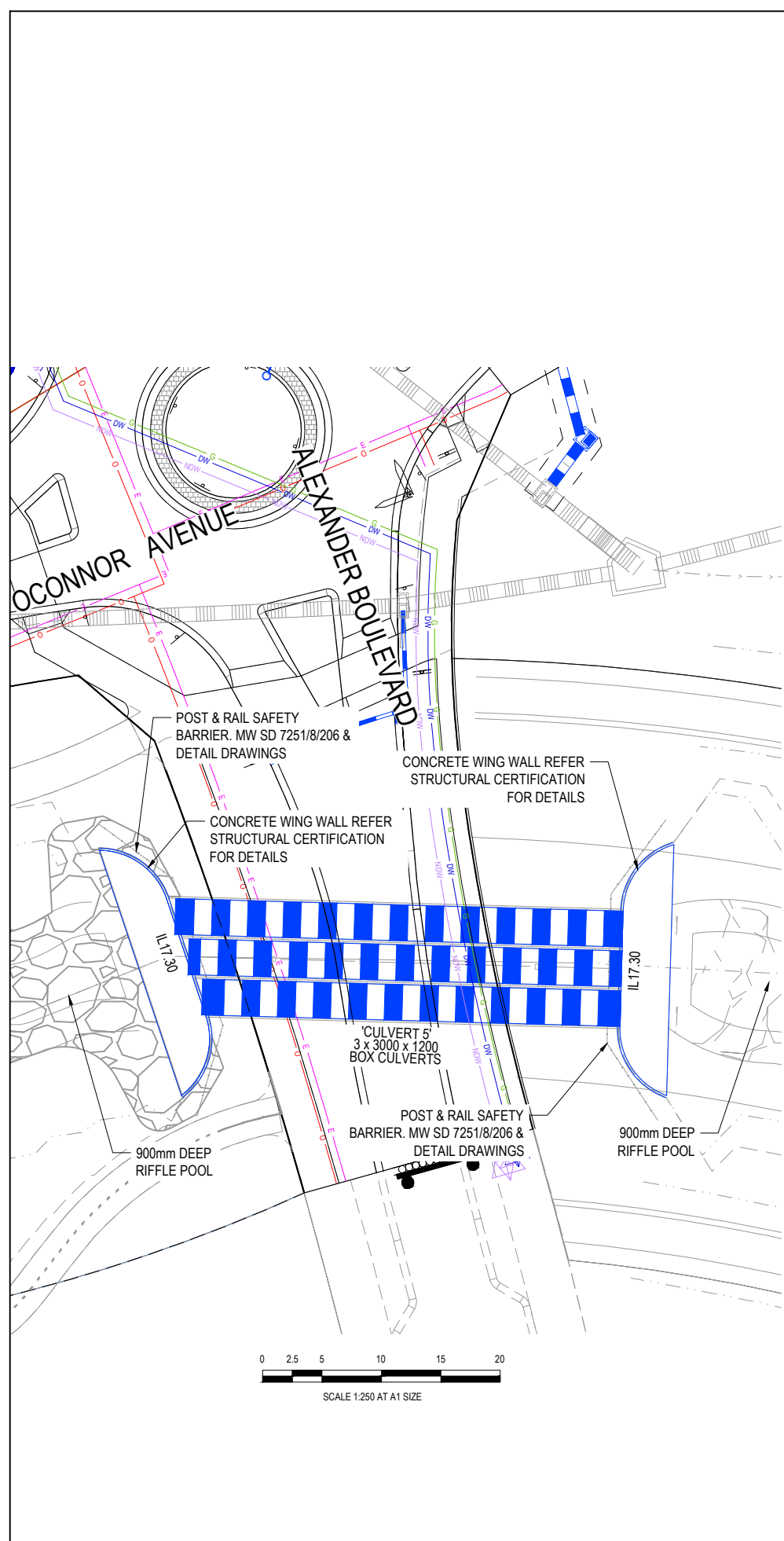
Project Name: SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title: PIT SCHEDULE

Sheet 37 of 39

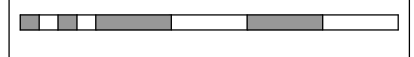
Scale: NOT TO SCALE

Project Ref: 1101438
Stage No: 07
Drawing No: 405
Rev: A



FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	SERVICES OFFSET UPDATED	2.12.20	CD	LM					
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					



Designed Date
S. GILBERT
01.04.20

Drawn
S. GILBERT

Approved Date
L. MURRAY

PS Number
PS837138C



Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title
CULVERT DETAILS
(SHEET 1 OF 2)

Sheet 38 of 39

Scale
AS SHOWN

Project Ref
1101438

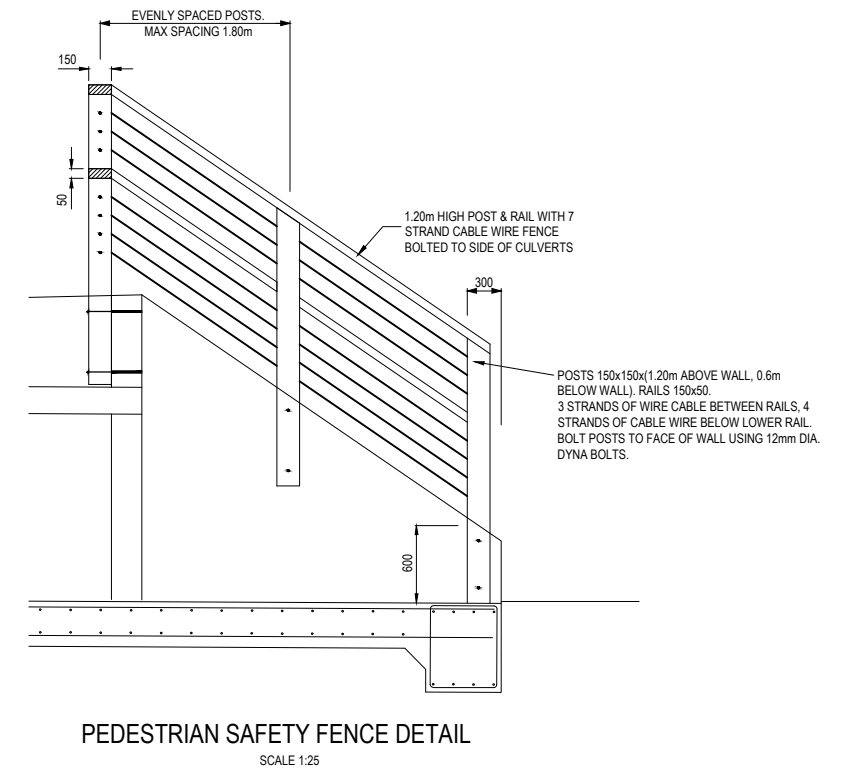
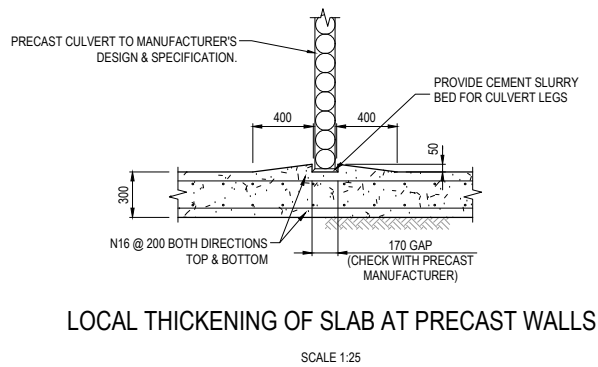
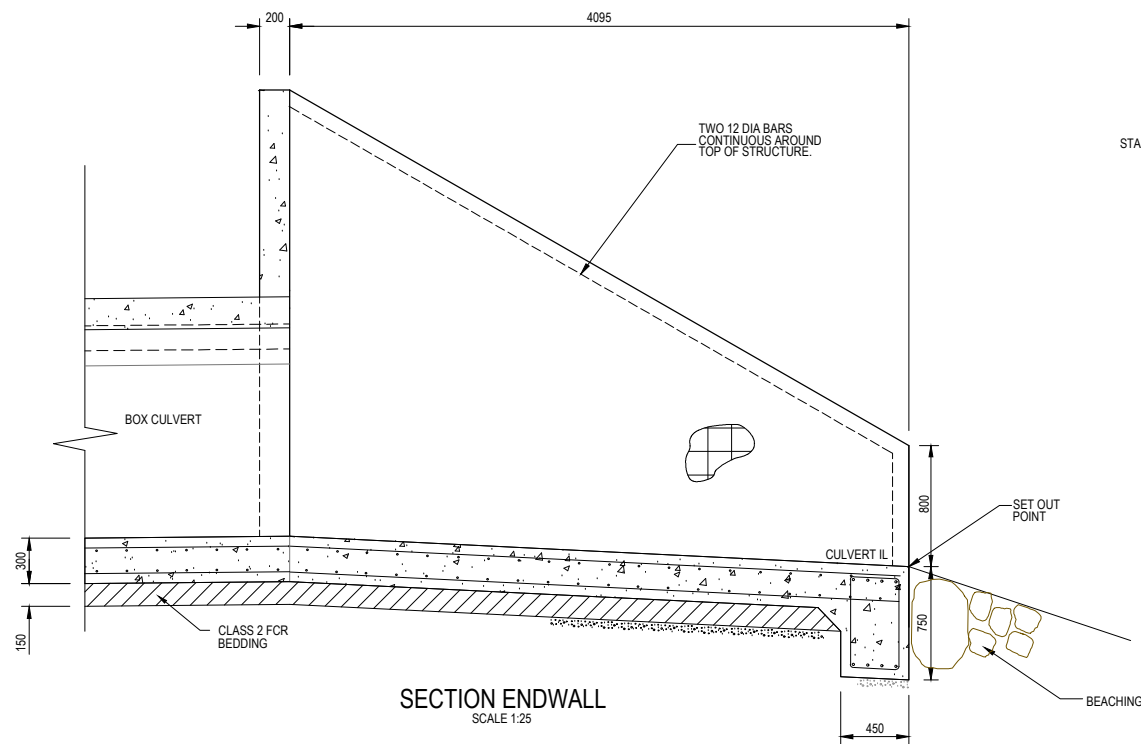
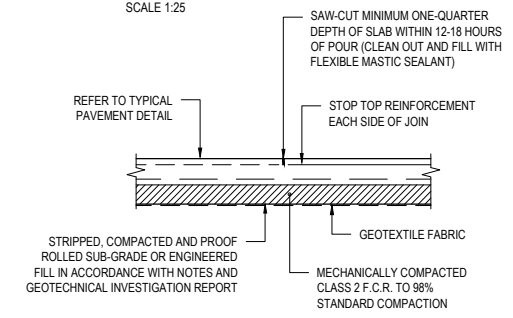
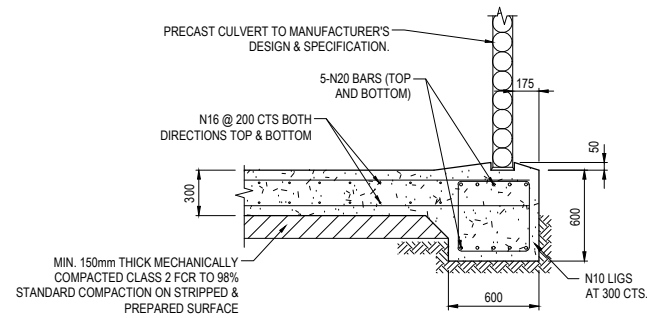
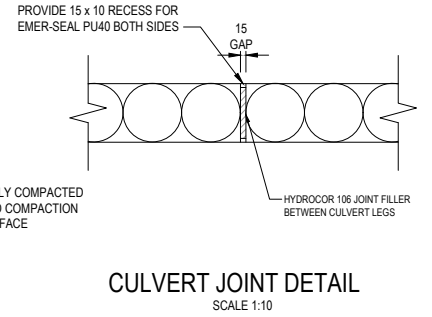
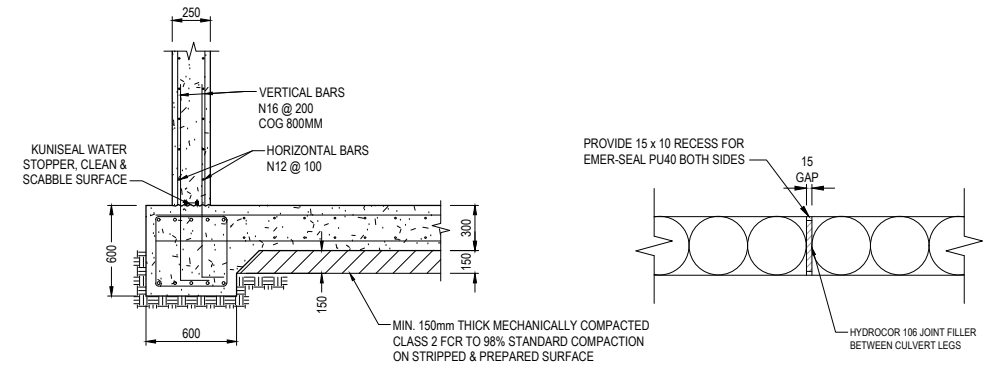
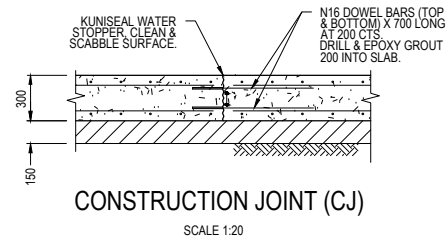
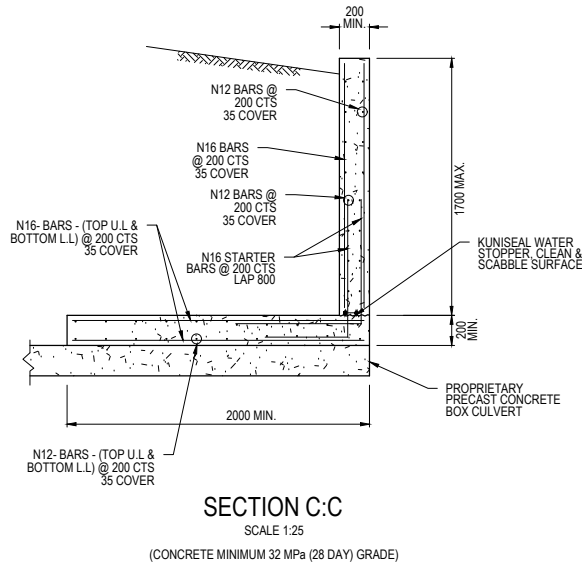
Stage No
07

Drawing No
450

Rev
B



- NOTES**
- AS THE RELATION OF THE BATTER TO THE TOP OF THE ENDWALL IS ESSENTIAL FOR THE SAFETY OF THE MOTORIST. THE DETAILS AS SHOWN IN SECTION C-C MUST BE ADHERED TO DURING CONSTRUCTION.
 - REINFORCEMENT FABRIC SHALL COMPLY WITH AS 1304-1991. UNLESS OTHERWISE SPECIFIED, REINFORCEMENT FABRIC SHALL BE F81 AND CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN ON SECTIONS A-A AND B-B. CLEAR COVER 50 MIN., LAPS 300 MIN.
 - REINFORCEMENT BARS SHALL COMPLY WITH AS1302-1191. GRADE 400Y. CLEAR COVER 50 MIN., LAPS 25 x BAR DIAMETER MIN.
 - CONCRETE SHALL BE NORMAL - CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
 - EXPOSED EDGES SHALL HAVE 20 x 20 CHAMFERS.
 - COMPACTION PRESSURE BEHIND WALLS NOT TO EXCEED 15 kPa.
 - CONCRETE AGGREGATES SHALL COMPLY WITH TABLE 701.021 OF VICROADS STANDARD SPECIFICATION 701.
 - ENDWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.



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.
A	ISSUED FOR CONSTRUCTION	07.10.20	LM	DB					
P3	COUNCIL COMMENTS	31.08.20	LM	DB					
P2	LOT LEVELS UPDATED	12.08.20	CD	LM					
P1	ISSUED FOR INFORMATION	30.06.20	CD	LM					

SMITHS LANE
CLYDE NORTH



Designed Date
S. GILBERT
01.04.20

Drawn
S. GILBERT

Approved Date
L. MURRAY

PS Number
PS837138C

BW Beveridge Williams
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
SMITHS LANE
STAGE 07
CITY OF CASEY, R5473

Drawing Title
CULVERT DETAILS
(SHEET 2 OF 2)

Sheet 39 of 39

Scale
AS SHOWN

Project Ref
1101438

Stage No
07

Drawing No
451

Rev
A

