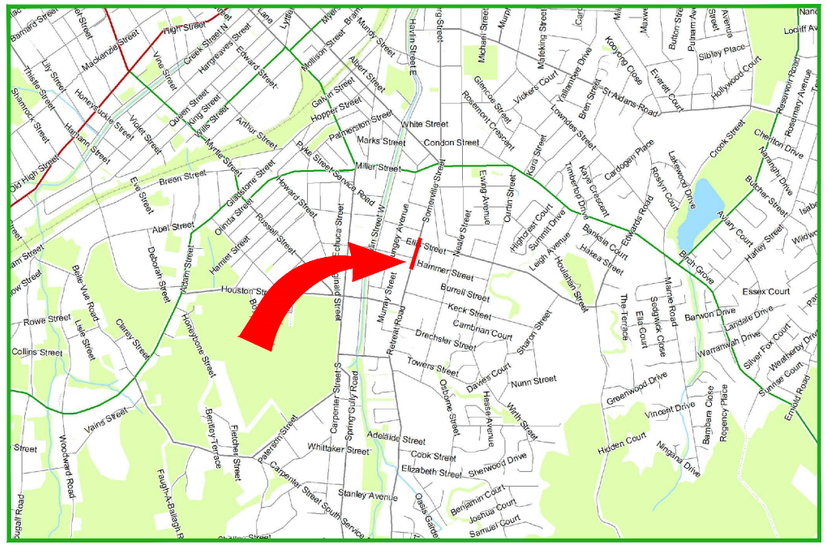
SOMERVILLE STREET, FLORA HILL

GB4868

ROAD RECONSTRUCTION

JULY 2022

APPROVED
By Nathan Sartori at 9:09 am, Jul 05, 2022

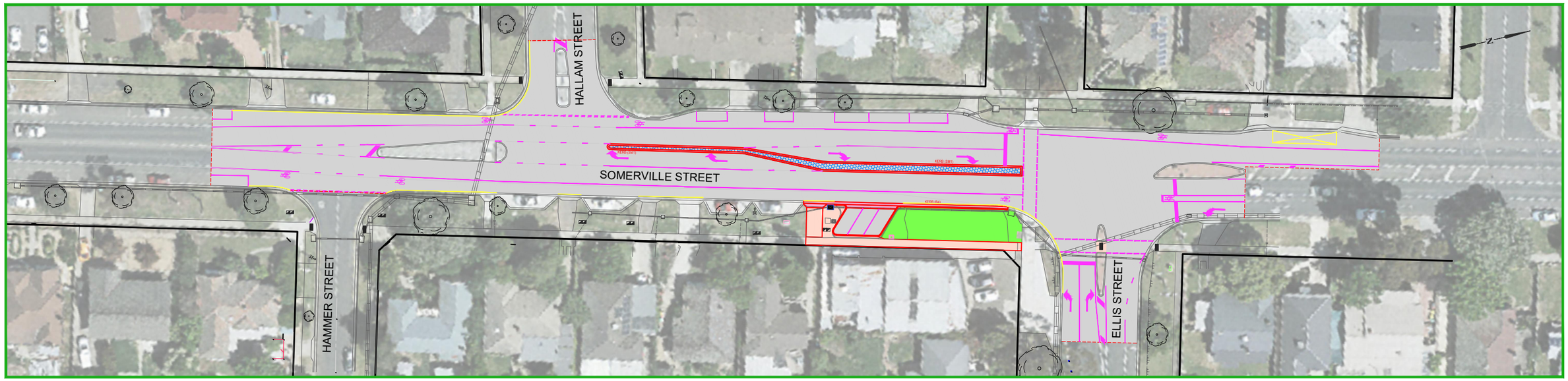


LOCALITY MAP

CITY OF GREATER BENDIGO

DOCUMENT CONTROL

SHEET No.	SHEET DESC.	05/07/22	xx/xx/xx	xx/xx/xx
		DRAFT	TENDER	CONSTRUCTION
		REVISION	REVISION	REVISION
1	COVER SHEET	A		
2	GENERAL NOTES	A		
3	REMOVAL PLAN & CONTROL	A		
4	DETAIL PLAN	A		
5	DETAIL PLAN	A		
6	DETAIL PLAN	A		
7	LONGITUDINAL SECTION	A		
8	LONGITUDINAL SECTION	A		
9	LONGITUDINAL SECTION	A		
10	CROSS SECTIONS	A		
11	SETOUT			
12	SETOUT			
13	SETOUT			



PROJECT EXTENTS

PROJECT PLANNING REQUIREMENTS			
Item	Required	Comments	Contractor
Vegetation	No	-	
RRV	Yes	Traffic Signals	
CMA	No	-	
Planning Permit	No	-	
Land Acquisition	No	-	
CHMP	No	-	
Other	No	-	

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION
COVER SHEET

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: 1:750	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 1 OF 13	Reference: GB4868	

PRELIMINARY DESIGN DRAFT 3

Plot Date: 5/07/2022
Plotted By: MEGAN JENNINGS

FILL NOTES

1. All earthworks and compaction are to be in accordance with VicRoad's Specification Section 204.
2. All fill materials are to be approved by the Superintendent's Representative prior to being imported onto the site, and unless noted otherwise, shall be a clean clay based material free of vegetation matter or contaminants.
3. All filling is to comply with AS3798-1996 Appendix B, level 1 (or 2) as specified
4. The Contractor is responsible for ensuring that all imported fill material, including topsoil, satisfies the description for clean fill material in EPA bulletin publication No. 448 (Sep 95) and subsequent revisions. The Contractor shall provide verification including test certificates to the Superintendent's Representative.

ROAD CONSTRUCTION NOTES

1. All Works to be carried out in accordance with CoGB Standard Drawings, Specifications, approved plans and to the satisfaction of the Superintendent's Representative.
2. These notes also refer to the latest version of the Infrastructure Design Manual (IDM) and latest version of the IDM Standard Drawings.
3. The Project Manager is to be notified seven days prior to the commencement of Works with a Pre-commencement meeting to be held between CoGB, the Consultant and the Contractor. A site management plan is to be submitted prior to the commencement of Works and prior to the onsite Pre-commencement meeting.
4. Prior to commencement of the Works, the Contractor shall provide the following:
   - Source of quarry material
   - N.A.T.A. approved test results for the F.C.R that is to be used
   - If the source of the quarry material is changed during the course of the Works, then new test results shall be provided.
5. Prior to commencement of Works on site, the Contractor must ensure that all matters relating to the Occupational Health and Safety Act 1985, have been and will be complied with.
6. On the commencement of construction, the Contractor must comply with the recommendation of the Environment Protection Authority publication "Construction Techniques for Sediment Pollution Control". Appropriate siltation control is to be maintained throughout the construction and maintenance period of the Works.
7. The disposal site for spoil storage, and truck removal route, is to be submitted in writing to, and approved by the Superintendent's Representative prior to the commencement of Works.
8. Where Works are in the vicinity of existing services, these services are to be located and exposed prior to commencement of the work. Relevant authorities are to be notified 7 days prior to the Works.
9. All dimensions are in metres unless noted otherwise.
10. All levels are to Australian Height Datum (AHD) unless noted otherwise.
11. All co-ordinates are to Map Grid of Australia (MGA) unless noted otherwise.
12. The Contractor must arrange the inspection of the Works with the Superintendent's Representative as per the hold points in the Specifications, or as directed by the Superintendent's Representative.
13. All redundant assets are to be removed and disposed off site unless noted otherwise.
14. All service conduit trenches under road pavements, under footpaths and under swales are to be backfilled as per IDM SD310 unless noted otherwise. Compaction standards noted in SD310 shall be achieved.
15. Blasting is not generally accepted.
16. All existing assets affected by the Works (i.e. signs, vehicle crossings, footpaths, kerb and line marking) shall be reinstated by the Contractor before the completion of Works, to the satisfaction of the Superintendent's Representative.
17. At the completion of all Works, all rubbish, debris and surplus spoil shall be removed and the site shall be cleared to the satisfaction of the Superintendent's Representative.
18. The Contractor is to obtain a Building Permit for any structures, fences and for any retaining walls over 1.0m in height.
19. Any infrastructure damage incurred during the Defects Liability Period noted on the contract is the responsibility of the Contractor and is to be reinstated to the satisfaction of the Superintendent's Representative.
20. All disturbed areas (eg. nature strips, batters, allotments and reserves) are to be reinstated to a clean, tidy condition, top dressed with 75mm min. depth approved top soil, and seeded with a CoGB approved blend or unless otherwise noted. Soil & seeded treated areas must be satisfactorily established prior to the end of the Maintenance Period otherwise further treatment is required by the Contractor.
21. Any exposed aggregate concrete works are to be achieved by sandblasting only. Washing aggregate off with water is not permitted.
22. The Contractor shall notify the public of any impending road closures by providing sufficient signage 2 weeks prior to construction commencing.

GENERAL CONSTRUCTION NOTES

1. All kerb, footpath and pram crossing constructions shall have bedding/boxing inspected by the Superintendent's Representative prior to pouring of concrete.
2. If property stormwater outlets (not already identified on plan) are located during construction, it is the Contractors responsibility to connect them into council underground drainage or back of kerb (As per IDM SD 510 & IDM SD 505) to the approval of the Superintendent's Representative.
3. Renewal of gas and water property service conduits to be 100mmØPVC (sewer grade).
4. All redundant footpath, kerb and road seal to be saw cut and removed from site.
5. Naturestrip is to be: 50mm depth (15% compaction), Spread and rake Seed (COGB approved seed blend) at rate 40g/m2

PAVEMENT NOTES

1. Construction of road pavements is to be in accordance with the requirements of VicRoad's Standard Specifications for Roadworks (Section 304). Testing must be carried out by a N.A.T.A. approved laboratory, or by calibrated nuclear densometer test to the relevant Australian Standard.
2. Compaction tests are to be undertaken in the following locations:
   - At ⅔ depth of the pavement
   - At alternating sides of the road
   - 1.0m in from the seal edge or lip of kerb
   - At even spacings.
3. The number of compaction tests shall comply with the table below:

Location	Number of Compaction tests
Court bowls	3
Intersections	2
Straights	1 per 500m2 (1/50m for 10.2m wide pvmt.)

4. Copies of the geotechnical results are to be submitted to the Superintendent's Representative.
5. Sub-base and base materials are to be at 85% optimum moisture content (OMC) during compaction, and maintained at 85% OMC until proof rolling.
6. Typical Compaction levels required (unless noted otherwise):

   Subgrade: To be compacted to 100% standard dry density ratio.

   Subbase: Flexible pavements shall be compacted in accordance with Scale C in VicRoads table 304.082.

   Compaction shall be to 98% of the maximum dry density ratio determined by the modified compaction test.

   Base: Flexible pavements shall be compacted in accordance with Scale C in VicRoads table 304.082.

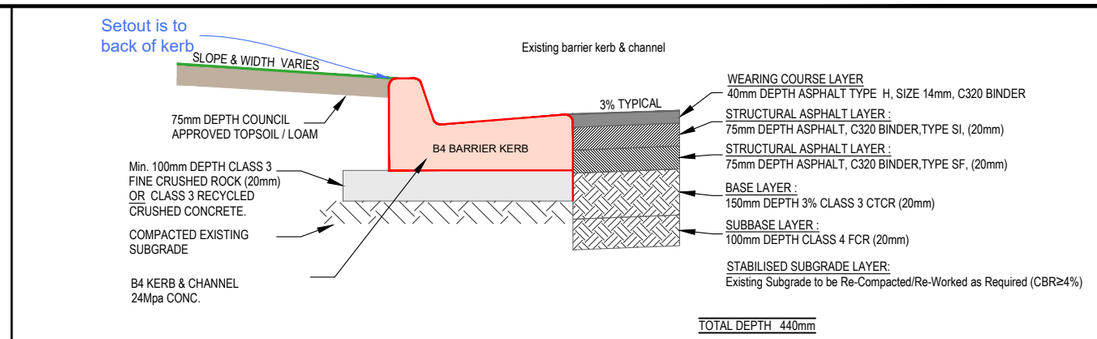
   Compaction shall be to 100% of the maximum dry density ratio determined by the modified compaction test.
7. Proof rolling of the Subgrade, Sub base and Base must be undertaken as per Section 12.7.15 of the IDM. Proof rolling will be at the expense of the contractor in accordance with AS3798 and the requirements of section 173 and 204.12 of the VicRoad's Specification. The Superintendent's Representative must be present during the proof rolling. The Subgrade must not deflect more than 2mm vertically within 300mm of the test roller in isolated locations.
8. Identification and treatment of soft areas during proof rolling shall be dealt with as per Sections 12.7.13 and 12.7.14 of the IDM and as approved by the Superintendent's Representative.

SUBGRADE CONSTRUCTION NOTES

1. The existing pavement (including asphalt & seal layers) to be pulverised to a depth of 200mm ensuring that all asphalt is ground to a suitable size for workability.
2. Pulverised material to be windrowed and mixed to create a consistent mix over the full width of road before spreading, trimming and lightly compacting/shaping to form desired finished road level.
3. After completion of excavation to subgrade finished level, subgrade material shall be inspected by the Superintendent's Representative before any stabilising commences. The nominated stabilising product, blend and spread rate shall be confirmed at this point once the formed subgrade material has been visually assessed by the Superintendent's Representative.
4. Prior to spreading stabilising product, subgrade to be ripped to 200mm depth and moisture conditioned moderately before spreading of 12kg/m2 triple blended cementitious binder product. ie (20/60/20 GP/Slag/Lime).
5. Selected binder to be spread and mixed evenly through (using mechanical stabiliser machine) at the selected stabilising depth, ensuring optimum moisture content is achieved. Where practically possible it is preferred that moisture is added during the mixing process by connecting a water cart to the mechanical stabiliser machine.
6. Within 4 hours of binder being added, subgrade material should be graded & trimmed to level and compacted to a minimum density ratio of 98% Modified Maximum Dry Density.
7. The Superintendents Representative may request density testing results of the subgrade as well as Unconfined Compressive Strength (UCS) Tests to confirm that the stabilising has achieved a satisfactory result.

SIGNAGE, GUIDE POSTS, LINEMARKING & RRPMS

1. All existing signage, linemarking guideposts and RRPMs within Works site are to be removed as per the 'demolition plan'
2. All proposed Signage, linemarking, guideposts and RRPMs are to be installed as per the 'Linemarking and signage plan'
3. All signs to be installed shall be Class 1 high intensity type and comply with the requirements of AS1743-2001.
4. All guideposts are to have delineators satisfying the requirements of AS1906.2 section 3.



See Report G4526.1 AA for details on pavement design

STRICKLAND ROAD - TYPICAL ROAD PAVEMENT

NOT TO SCALE

DIAL 1100 BEFORE YOU DIG

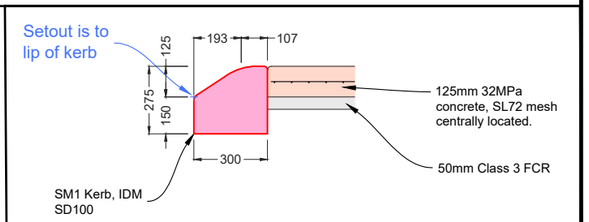
IMPORTANT!
The location of underground services have been derived from available information, however accuracy cannot be guaranteed. All existing service information should therefore be treated as indicative only, and service locations must be arranged prior to commencement of any excavation. The contractor will be held responsible for any damage caused to underground services.

SERVICE AUTHORITY ASSETS WITHIN THE WORKS AREA

1. SERVICE AUTHORITY UNDERGROUND INFRASTRUCTURE
   - The location of underground services has been derived from available information, and shown on the plans. However accuracy cannot be guaranteed. All existing service information should therefore be treated as indicative only and exact service locations must be arranged onsite prior to commencement of any excavation. The contractor will be held responsible for any damage caused to underground services.
2. PIT LIDS and VALVE COVER LEVELS and LOCATION
   - All service pit lids or valve covers within the works area are to be raised or lowered to match design surface level unless noted otherwise on the construction plans, or by approval from the Superintendent.
   - Any service authority marker posts found within the works area are to be relocated adjacent to their current position to a point 150mm offset from the nearest property boundary.
3. SERVICE AUTHORITY ASSET RENEWAL
   - Any sewer pit covers and or water valve covers within the works area are to be renewed to Coliban Water standards unless noted otherwise.
   - PSM covers are to be renewed to CoGB standards using a 300x300mm galvanised steel checker plate flat cover.
   - All other valve covers or pits within the works area are not to be renewed unless noted otherwise on the construction plans, or by agreement with the Superintendent.

FOOTPATH CONSTRUCTION NOTES

1. Footpath to be constructed to IDM SD205 unless noted otherwise.
2. Expansion joints as per IDM SD210 to be constructed at any joins with existing footpath/driveways or bridges or where noted.
3. IDM SD210 expansion joints along new sections of footpath are to be at a maximum separation of 14m centres as per IDM SD205.
4. Tool joints are to be at 1.5m centres for 1.5m wide footpath, 2.5m centres for 2.5m wide footpath and to be constructed as per IDM SD210 unless noted otherwise.
5. Batter work and associated top soiling is to be limited to 2.0m from design edge of the footpath or unless otherwise noted. This width cannot be altered without consent from the superintendent.
6. Plant and equipment is to be kept within the finished works area to avoid unnecessary damage to nature strips.
7. Pedestrian crossings are to be as per CoGB SD192.
8. All TGSIs are to be black (if on plain concrete), or white (if on black concrete) and shall be fibre reinforced polymer type and positioned in accordance with AS1428 unless noted otherwise or by direction from the Superintendent.
9. Any residential mailboxes found to be in conflict with councils proposed assets (within the road reserve) shall be relocated to a position within the property in consultation with the landowner. Should the mailbox be a brick or concrete structure, the mailbox shall be demolished and consultation with the Superintendent shall be sought prior to reconstruction of a similar structure within the property.
10. Once works are completed, contractor must undertake a site walk with the Superintendent to identify any hazards or level differences with the works area. Once the site walk is complete, the area may be opened to public use.
11. All fill material is to be clean clay based soil, free of vegetative matter and is to be approved by the Superintendent prior to use.
12. All earthworks are to be in accordance with VicRoads Specification Section 204.



SM1 KERB PROFILE - IDM SD100

1:40

DRAINAGE CONSTRUCTION NOTES

1. The Superintendent's Representative and Design Engineer must be notified if any any modifications to drainage design are required due to unforeseen circumstances identified during works onsite.
2. Any property storm water pipes located during Works are to be plumbed to the nearest pit. Where this is not practical, seek approval from the Superintendent's Representative to connect stormwater into kerb or into the nearest storm water pipe.
3. All drainage pits are to be constructed as per the noted Standard Drawing.
4. Invert fall through pits is to be a min. of 30mm unless noted otherwise.
5. Concrete pit walls are to be sponge finished and floors are to be shaped for best hydraulic efficiency unless noted otherwise.
6. Pit lids are to be installed flush with the surrounding surface unless noted otherwise.
7. Where concrete box culverts (CBC) or Crown Units are specified, they are to be compliant to AS1597.
8. Pipe extensions are to be constructed by removing the remaining stub of the existing pipe to be extended, and then connecting the new pipe at the socket.
9. All pipe backfill is to be constructed as per the noted Standard Drawing.
10. The location of any saw cuts in asphalt are to be kept the minimum required trench width until after the pipe is laid and backfilled up to 300mm from surface. At this point, a further 150mm wide, 300mm deep section of asphalt/pavement is to be sawcut and excavated so as to provide a longitudinal pavement join over the drainage trench. This also should ensure a straight edge for re-asphalting. The top 300m depth of backfill should then be constructed accordingly. Refer to CoGB SD 392.
11. At the completion of the Works, pipes are to be visually inspected via inspection pits to check for construction debris, including crushed rock, soil and concrete over spill. Should a volume of debris be present enough to impede flows, pipe cleaning shall be undertaken at the contractors expense.
12. Gas and water property services are generally not located during the design phase and therefore have not been shown on plans. It is therefore the Contractors responsibility to consider these services when excavating and adjust or realign accordingly whilst causing minimal disruption to property owners.
13. Gas and Water property services encountered during construction are to be altered and reconnected to the appropriate standard and to the satisfaction of the Superintendents Representative.

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

GENERAL NOTES

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: -	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 2 OF 13	Reference: GB4868	

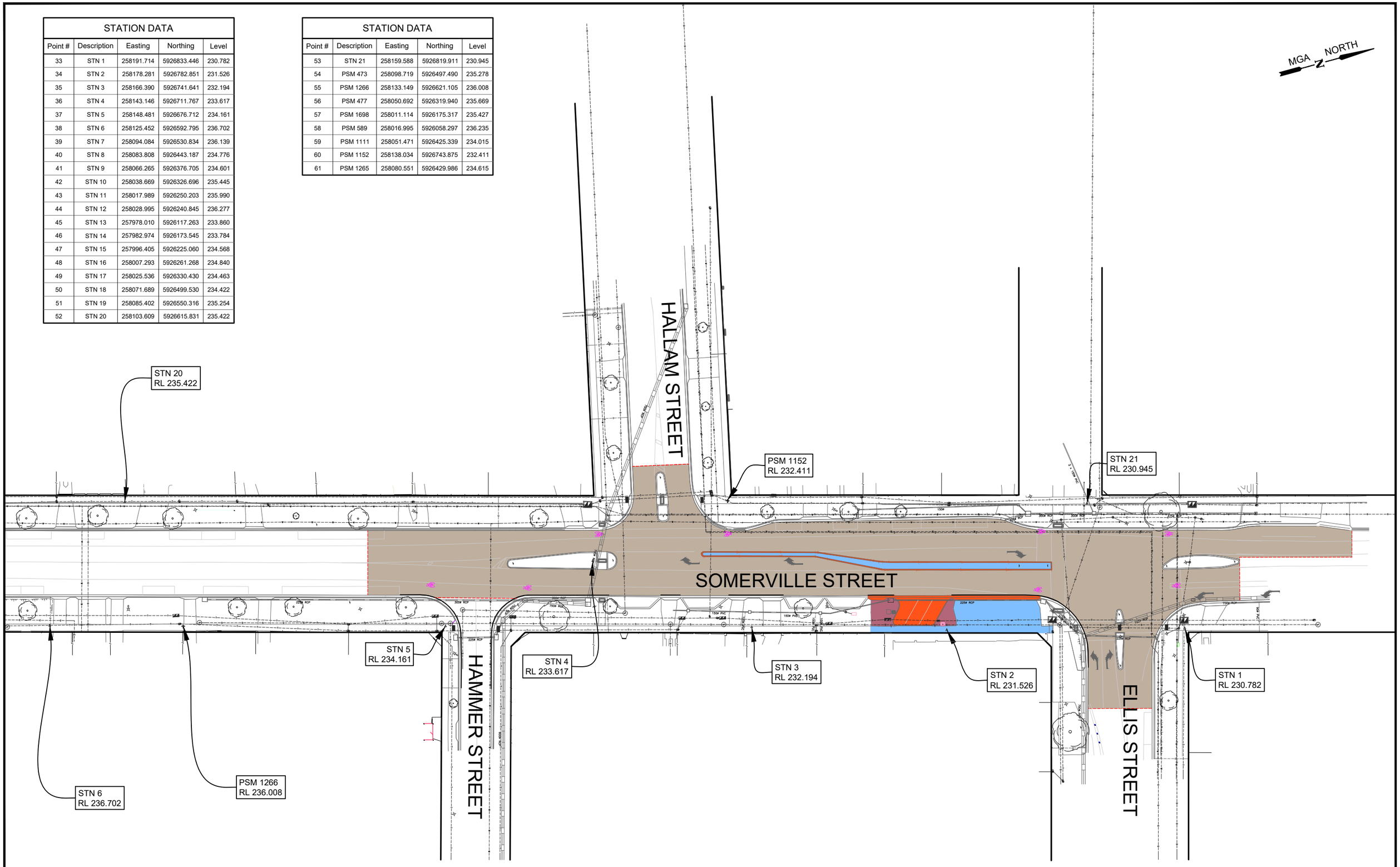
PRELIMINARY DESIGN DRAFT 3

Plot Date: 5/07/2022

Plotted By: MEGAN JENNINGS

STATION DATA				
Point #	Description	Easting	Northing	Level
33	STN 1	258191.714	5926833.446	230.782
34	STN 2	258178.281	5926782.851	231.526
35	STN 3	258166.390	5926741.641	232.194
36	STN 4	258143.146	5926711.767	233.617
37	STN 5	258148.481	5926676.712	234.161
38	STN 6	258125.452	5926592.795	236.702
39	STN 7	258094.084	5926530.834	236.139
40	STN 8	258083.808	5926443.187	234.776
41	STN 9	258066.265	5926376.705	234.601
42	STN 10	258038.669	5926326.696	235.445
43	STN 11	258017.989	5926250.203	235.990
44	STN 12	258028.995	5926240.845	236.277
45	STN 13	257978.010	5926117.263	233.860
46	STN 14	257982.974	5926173.545	233.784
47	STN 15	257996.405	5926225.060	234.568
48	STN 16	258007.293	5926261.268	234.840
49	STN 17	258025.536	5926330.430	234.463
50	STN 18	258071.689	5926499.530	234.422
51	STN 19	258085.402	5926550.316	235.254
52	STN 20	258103.609	5926615.831	235.422

STATION DATA				
Point #	Description	Easting	Northing	Level
53	STN 21	258159.588	5926819.911	230.945
54	PSM 473	258098.719	5926497.490	235.278
55	PSM 1266	258133.149	5926621.105	236.008
56	PSM 477	258050.692	5926319.940	235.669
57	PSM 1698	258011.114	5926175.317	235.427
58	PSM 589	258016.995	5926058.297	236.235
59	PSM 1111	258051.471	5926425.339	234.015
60	PSM 1152	258138.034	5926743.875	232.411
61	PSM 1265	258080.551	5926429.986	234.615



LEGEND

- Removal: Pavement
- Removal: Kerb
- Removal: Concrete
- Removal: Linemarking
- Removal: Sawcut
- Removal: Pipe
- Removal: Tree

AMENDMENTS

Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

REMOVAL PLAN & CONTROL

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: 1:250	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
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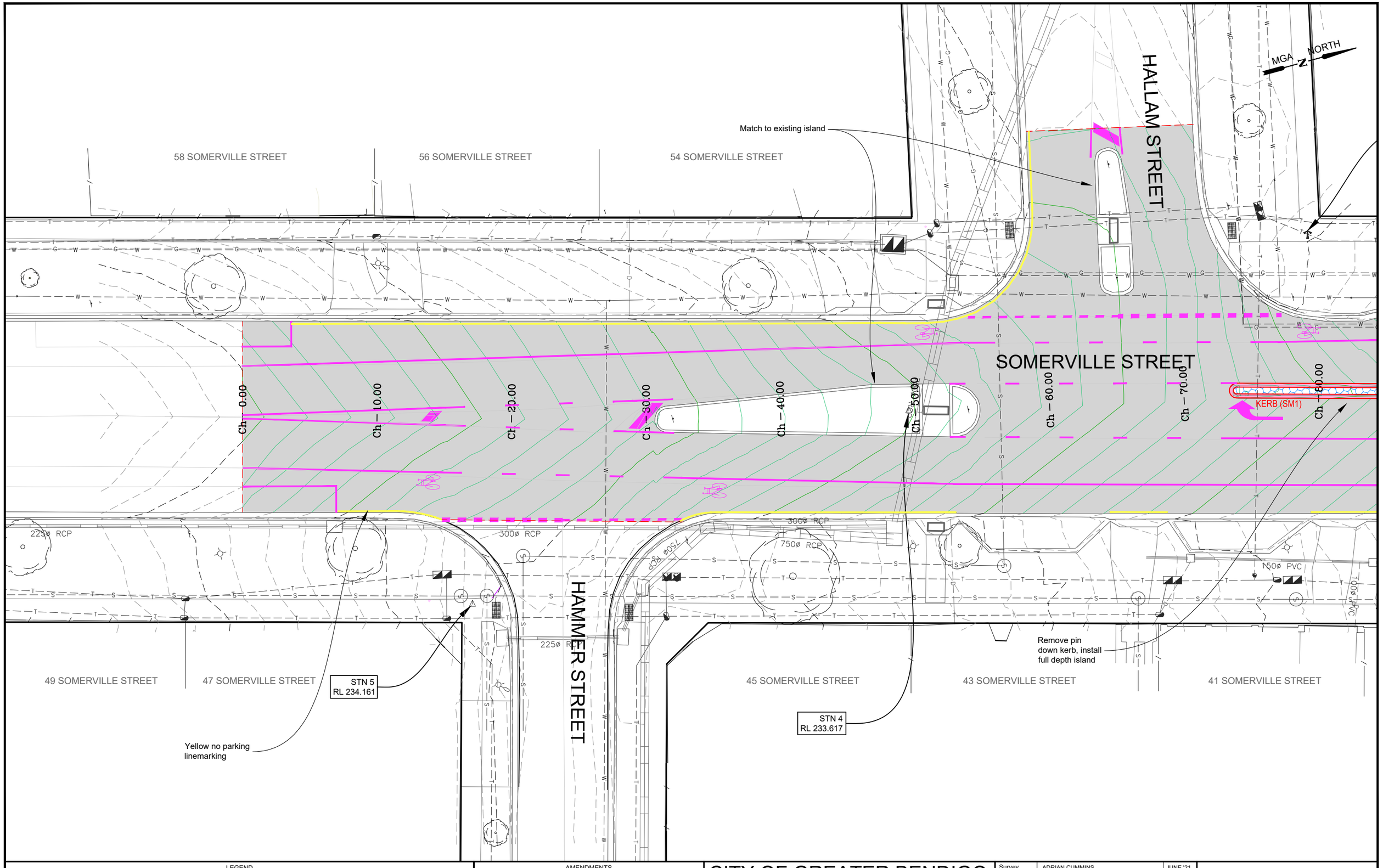

LEGEND

- Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Concrete: Kerb, As per IDM SD100, CoGB SD190, SD191, SD192
- Concrete: Stenciled Cobble, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Pavement: As per pavement detail
- Concrete: Industrial Driveway, Plain, 150mm, SL82, 32Mpa, As per IDM SD250
- Landscape: Instant Turf
- Landscape: Soil & Seed
- Design Contour 0.10m interval
- Existing Contour 0.10m interval

AMENDMENTS

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DETAIL PLAN

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
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PRELIMINARY DESIGN DRAFT 3

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PSM 1152
RL 232.411

Reinstall Keep
Left sign

52 SOMERVILLE STREET

50 SOMERVILLE STREET

48 SOMERVILLE STREET

46 SOMERVILLE STREET

MGA NORTH

STN 21
RL 230.945

2 x 150ø PVC

Reinstall Keep
Left sign

150ø

300ø RCP

300ø RCP

300ø RCP

SOMERVILLE STREET

1.81
1.44
3.00
3.00
1.82
3.50
2.14

Ch –80.00

Ch –90.00

Ch –100.00

Ch –110.00

Ch –120.00

Ch –130.00

Ch –140.00

Ch –150.00

Ch –160.00

Ch –170.00

KERB (SM1)

KERB (SM1)

KERB (B4)

60°

225ø RCP

Reinstall U-Turn
sign

150ø PVC

150ø PVC

100ø PVC

100ø PVC

100ø PVC

100ø PVC

Remove pin
down kerb, install
full depth island

Reinstall parking
signs

Remove existing
concrete driveway

Cut in all traffic
signal loops

300ø RCP

150ø RCP

225ø RCP

ELLIS STREET

41 SOMERVILLE STREET

39 SOMERVILLE STREET

37 SOMERVILLE STREET

2 ELLIS STREET

STN 3
RL 232.194

Construct 1.5m
concrete footpath
- IDM SD205

STN 2
RL 231.526

Traffic signal pit

750ø RCP

LEGEND

- Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Concrete: Kerb, As per IDM SD100, CoGB SD190, SD191, SD192
- Concrete: Stenciled Cobble, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Pavement: As per pavement detail
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MGA NORTH

STN 21
RL 230.945

2 x 150ø PVC

46 SOMERVILLE STREET

44 SOMERVILLE STREET

42 SOMERVILLE STREET

300ø RCP

300ø RCP

375ø RCP

SOMERVILLE STREET

Ch 150.00

Ch 160.00

Ch 170.00

Ch 180.00

Ch 190.00

Ch 200.00

Ch 210.00

Ch 216.70

Cut in all traffic signal loops

750ø RCP

900ø PVC

Match to existing island

300ø RCP

750ø RCP

225ø RCP

2 ELLIS STREET

ELLIS STREET

31 SOMERVILLE STREET

750ø RCP

STN 1
RL 230.782

LEGEND

- Concrete: Footpath/Driveway Plain, 125mm, SL72, 25Mpa, As per IDM SD205, SD210,
- Concrete: Kerb, As per IDM SD100, CoGB SD190, SD191, SD192
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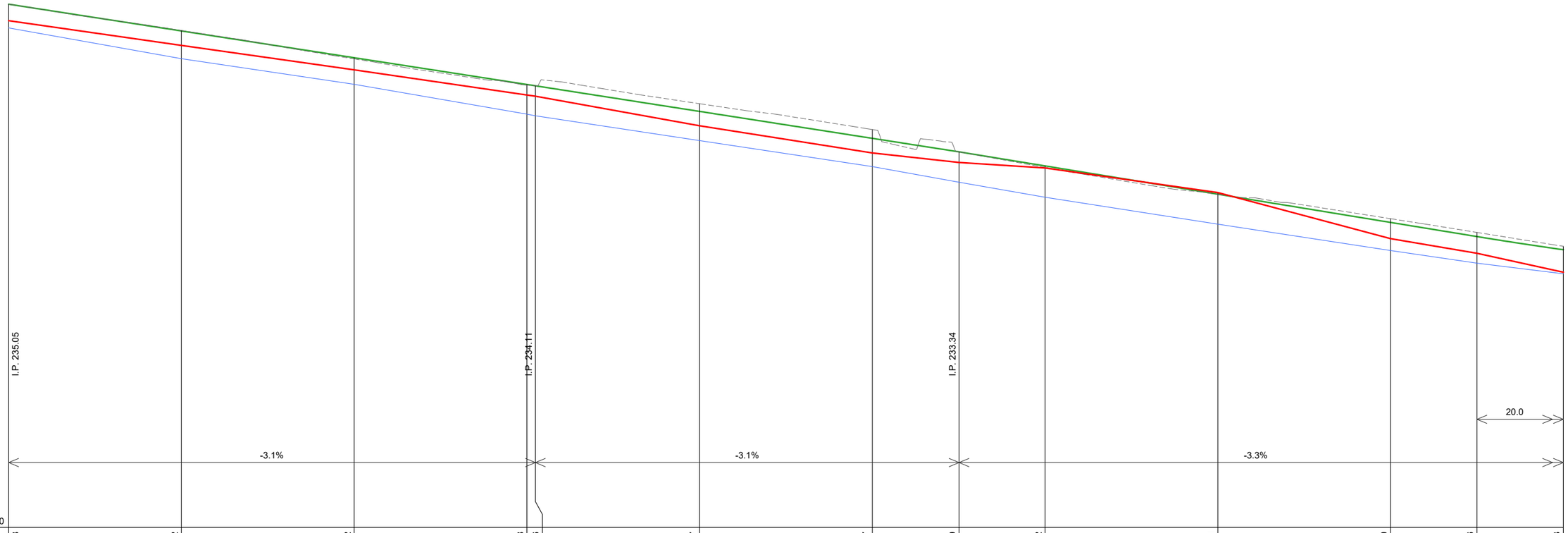
Plot Date: 5/07/2022

Plotted By: MEGAN JENNINGS



EAST EB	234.78	234.42	234.12	233.78	233.76	233.47	233.17	232.99	232.82	232.51	232.20	232.06	231.93
WEST EB	234.86	234.57	234.29	234.00	233.99	233.64	233.33	233.22	233.16	232.87	232.34	232.17	231.95
DES CL	235.05	234.74	234.43	234.12	234.11	233.81	233.50	233.34	233.18	232.85	232.53	232.36	232.21
NS CL	**235.05**	234.75	234.42	234.11	234.11	233.90	233.60	233.34	233.16	232.85	232.57	232.41	232.25
CHAINAGE	0.00	10.00	20.00	30.00	30.49	40.00	50.00	55.02	60.00	70.00	80.00	85.00	90.00

SOMERVILLE STREET LONGITUDINAL SECTION CH 0.000 To 90.000
SCALES: H 1:250 V 1:50 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

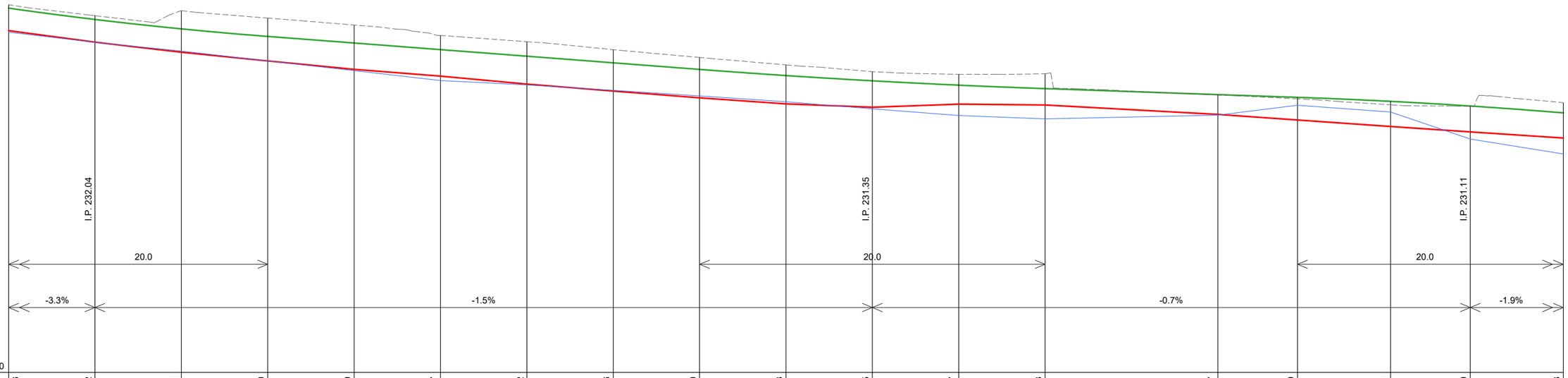
SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

LONGITUDINAL SECTIONS

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: -	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 7 OF 13	Reference: GB4868	

PRELIMINARY DESIGN
DRAFT 3

Plot Date: 5/07/2022
Plotted By: MEGAN JENNINGS



R.L. 228.00

EAST EB	231.93	231.82	231.71	231.60	231.49	231.37	231.32	231.26	231.20	231.13	231.05	230.97	230.93	230.97	231.09	231.01	230.70	230.53		
WEST EB	231.95	231.82	231.70	231.60	231.50	231.43	231.33	231.25	231.17	231.10	231.07	231.10	231.09	230.98	230.92	230.84	230.78	230.71		
DES CL	232.21	232.08	231.97	231.88	231.81	231.73	231.66	231.58	231.50	231.43	231.37	231.32	231.28	231.21	231.18	231.13	231.08	231.00		
NS CL	232.25	232.12	232.18	232.10	232.02	231.89	231.82	231.73	231.64	231.55	231.48	231.45	231.45	231.21	231.16	231.09	231.07	231.12		
CHAINAGE	90.00	95.00	100.00	105.00	110.00	115.00	120.00	125.00	130.00	135.00	140.00	145.00	150.00	160.00	164.61	170.00	174.61	180.00		

SOMERVILLE STREET LONGITUDINAL SECTION CH 90.000 To 180.000
SCALES: H 1:250 V 1:50 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

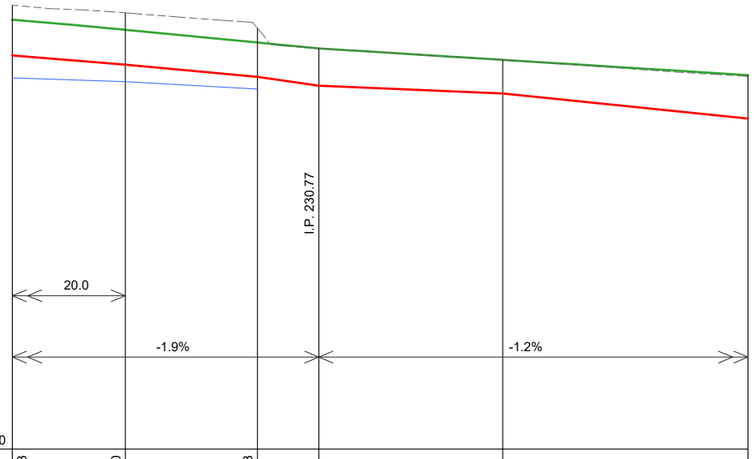
SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

LONGITUDINAL SECTIONS

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: -	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 8 OF 13	Reference: GB4868	

PRELIMINARY DESIGN DRAFT 3

Plot Date: 5/07/2022
Plotted By: MEGAN JENNINGS



EAST EB	230.53	230.50	230.43			
WEST EB	230.71	230.63	230.53	230.46	230.40	230.19
DES CL	231.00	230.92	230.81	230.77	230.67	230.55
NS CL	231.12	231.06	230.93	230.77	230.67	230.54
CHAINAGE	180.00	184.61	190.00	192.50	200.00	210.00

SOMERVILLE STREET LONGITUDINAL SECTION CH 180.000 To 210.000
SCALES: H 1:250 V 1:50 (A3)

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

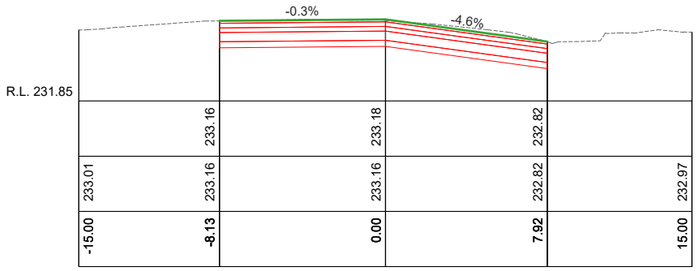
SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

LONGITUDINAL SECTIONS

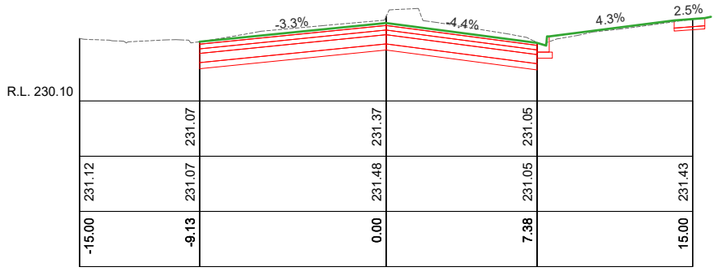
Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: -	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 9 OF 13	Reference: GB4868	

PRELIMINARY DESIGN
DRAFT 3

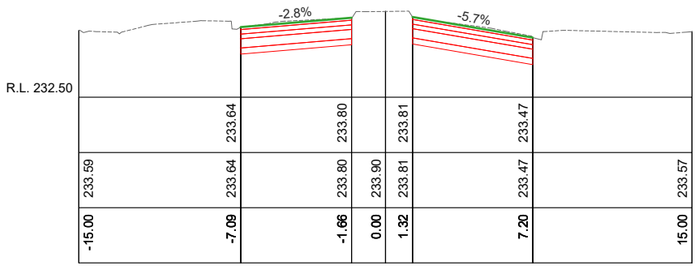
Plot Date: 5/07/2022
Plotted By: MEGAN JENNINGS



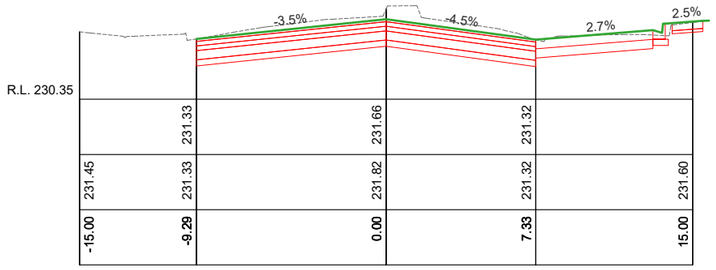
Ch 60.00



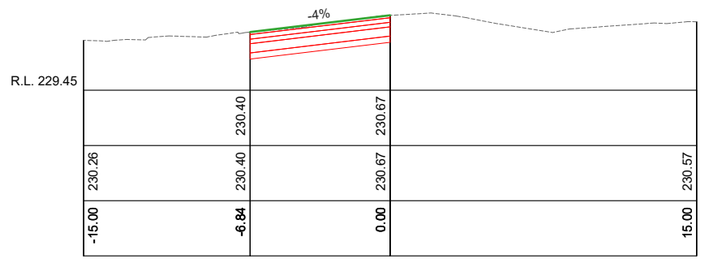
Ch 140.00



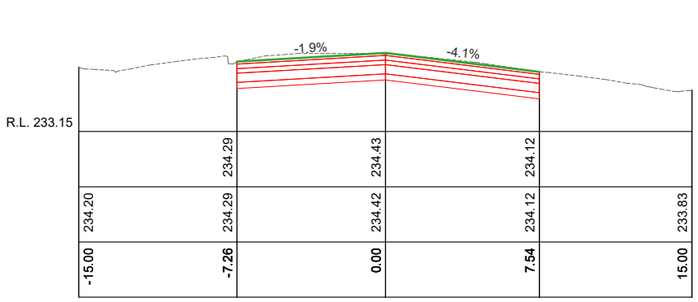
Ch 40.00



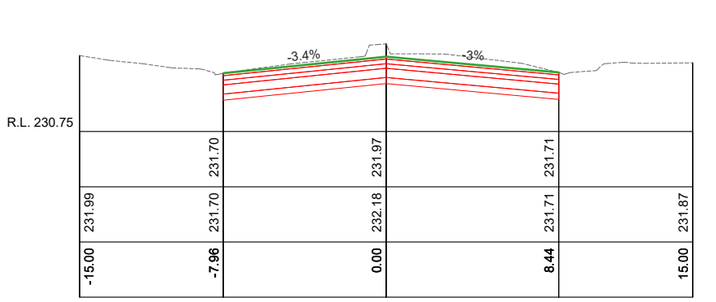
Ch 120.00



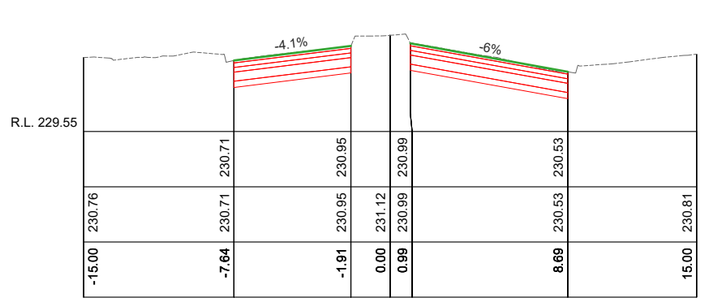
Ch 200.00



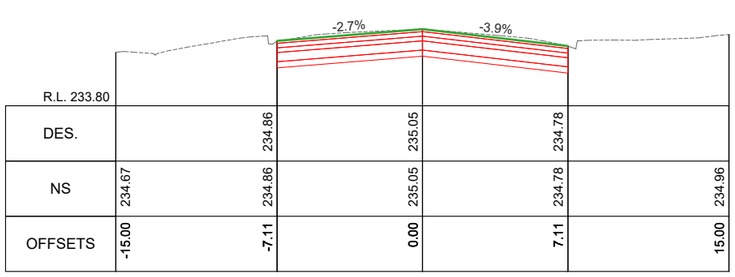
Ch 20.00



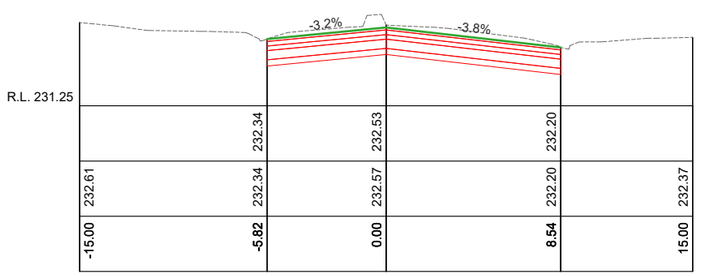
Ch 100.00



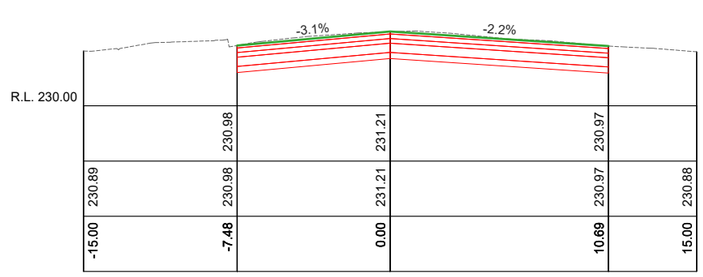
Ch 180.00



SOMERVILLE STREET CROSS SECTIONS Ch 0.00
SCALES: H 1:300 V 1:100 (A3)



Ch 80.00



Ch 160.00

AMENDMENTS			
Revision	Description	Approved by	Date
-	-	-	-

CITY OF GREATER BENDIGO

SOMERVILLE STREET
FLORA HILL
ROAD RECONSTRUCTION

CROSS SECTIONS

Survey	ADRIAN CUMMINS	JUNE '21
Design	M. JENNINGS	DEC '21
Checked	A. SMITH	-/-/21
Approved by	N. SARTORI	-/-/21
Scale: -	Revision : A	
Original sheet size: A3	File : GB4868.dwg	
Sheet: 10 OF 13	Reference: GB4868	

PRELIMINARY DESIGN DRAFT 3

Plot Date: 5/07/2022
Plotted By: MEGAN JENNINGS