

**PROPOSED 27 LOT SUBDIVISION  
809 WILSON STREET,  
BALLARAT EAST, VIC., 3350**



**APPROVED** CITY OF **BALLARAT**   
By Jeff Colb at 2:36 pm, Sep 27, 2021

ISSUE		ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	SCALE	 <p>HORIZONTAL METRES (1:2500@A1)</p>	 <p><b>WRIGHT CIVIL ENGINEERING</b></p> <p>P.O. BOX 2243, BAKERY HILL VIC. 3354 MOBILE - 0457 064 000</p>	DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020	CLIENT:  FOREST EDGE P/L 926 LATROBE STREET BALLARAT, VIC., 3350	PROJECT: PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
0	PRELIMINARY ISSUE		DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.	DRAWN: S. CAMPBELL			SCALE: AS SHOWN	TITLE: COVER SHEET & SITE LOCALITY PLAN		
1	ISSUED FOR COUNCIL APPROVAL		30/04/21						SURVEY: ST QUENTIN			SHEET SIZE: A1			
2	ISSUED FOR COUNCIL APPROVAL		29/06/21						CHECKED: .			APPROVED: .			
3	ISSUED FOR COUNCIL APPROVAL		15/07/21						DATE: .			DATE: .			
4	ISSUED FOR COUNCIL APPROVAL		20/07/21						(C) COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.		WCE REF. No: FE-001	SHEET: 1 OF 23	REV: A		

TABLE OF CONTENTS

SHEET No	DRAWING No	DESCRIPTION
01	FE-001-C01	COVER SHEET & SITE LOCALITY PLAN
02	FE-001-C02	GENERAL NOTES & DRAWING INDEX
03	FE-001-C03	TYPICAL CROSS SECTIONS & CIVIL DETAILS
04	FE-001-C04	OVERALL SITE PLAN & EXISTING CONTOURS
05	FE-001-C05	ROAD & DRAINAGE LAYOUT PLAN - SHEET 1 OF 2
06	FE-001-C06	ROAD & DRAINAGE LAYOUT PLAN - SHEET 2 OF 2
07	FE-001-C07	INTERSECTION DETAILS AND SETOUT CO-ORDINATES
08	FE-001-C08	INTERSECTION DETAILS AND SETOUT CO-ORDINATES
09	FE-001-C09	INTERSECTION DETAILS AND SETOUT CO-ORDINATES
10	FE-001-C10	INTERSECTION DETAILS AND SETOUT CO-ORDINATES
11	FE-001-C11	ROAD LONGITUDINAL SECTION - WILSON STREET
12	FE-001-C12	ROAD CROSS SECTIONS - WILSON STREET - SHEET 1 OF 2
13	FE-001-C13	ROAD CROSS SECTIONS - WILSON STREET - SHEET 2 OF 2
14	FE-001-C14	ROAD LONGITUDINAL SECTION - PENHALL WAY
15	FE-001-C15	ROAD CROSS SECTIONS - PENHALL WAY - SHEET 1 OF 2
16	FE-001-C16	ROAD CROSS SECTIONS - PENHALL WAY - SHEET 2 OF 2
17	FE-001-C17	ROAD LONGITUDINAL SECTION - TAWNY CLOSE / BUCKLAND COURT
18	FE-001-C18	ROAD CROSS SECTIONS - TAWNY CL / BUCKLAND CT - SHEET 1 OF 2
19	FE-001-C19	ROAD CROSS SECTIONS - TAWNY CL / BUCKLAND CT - SHEET 2 OF 2
20	FE-001-C20	DRAINAGE LONGITUDINAL SECTIONS
21	FE-001-C21	DRAINAGE LONGITUDINAL SECTIONS
22	FE-001-C22	DETENTION BASIN, DETAILS & PIT SCHEDULE
23	FE-001-C23	EARTHWORKS PLAN
WETLANDS/10% AEP RETARDING BASIN STORMY WATER SOLUTIONS		
1	2109/FUNCT/1	OVERALL PLAN
2	2109/FUNCT/2	PLANTING PLAN
3	2109/FUNCT/3	DETAIL PLAN
4	2109/FUNCT/4	DETAILS
5	2109/FUNCT/5	WETLAND OUTLET DETAILS

GENERAL NOTES

1. The specifications and standard drawings are to be read in conjunction with these drawings. Works to be carried out to the satisfaction of Ballarat City Council, and the Contract Superintendent.
2. The Council and all service authorities shall be notified in writing (7) days prior to commencement of the works. All existing services in the vicinity of the works are to be located prior to commencement.
4. The location of existing services should be determined by the contractor prior to commencing any excavation, by contacting all service authorities. Any existing services shown on the drawings are offered as a guide and are not guaranteed as correct.
5. Before commencement of works on trenches in excess of 1.5m deep, notice of such proposals is to be sent to the Secretary of the Department of Minerals and Natural Resources in accordance with clause 202 of the Mines and Trenches regulations (1982). A foreman qualified as a nominated Permitted Mines Manager must be in attendance at all times during construction.
6. The contractor when engaged in blasting operation shall not blast within 4.5m of existing line of gas, water or sewer pipes or within 15m of any completed part of the works without the consent of the superintendent.
7. The contractor shall erect and maintain all necessary shoring, planking and strutting, de-watering devices, barricades, signs, lights etc. necessary to keep the works in a safe and stable condition and protect the public from the works as per Australian Standard 1742.2-1994(Amt 1997) & 1742.3-2002
8. All trees and shrubs are to be retained unless road construction necessitates their removal or as directed by Ballarat City Council.
9. The disposal site for spoil from site and the truck route is to be submitted to and approved by Ballarat City Council in writing prior to commencement of any work.
10. Filling in properties to be carried out using approved fill. Topsoil and vegetable matter is to be stripped from fill site prior to filling. All filling to be carried out in 150mm layers and compacted to 95% maximum dry density based on standard compactive effort. All filling to comply with AS1289 5.2.1. Compaction results are to be supplied to the superintendent as required
11. All lots to be regraded and shaped to achieve finished surface profile as shown on the Drawings with a minimum of 1 in 200 slope.
12. All drainage easements are 2.00m wide, sewer easements 3.00m wide and drainage / sewer easements 3.00m wide, unless otherwise shown.
13. All easement drains are to be offset 1.0m from property boundary unless otherwise shown.
16. All stormwater drainage pipes under road pavements, under kerbs and on curves are to be rubber ring jointed. Pipes under road pavements up to and including 525mm dia are to be R.C. class 3 unless stated otherwise
15. Stormwater house drains in allotments shall be 1.00m offset from title boundaries, and property inlets 100m from low corner of the lot, unless otherwise shown.
16. All drains behind kerb and channel shall be backfilled with Class 3 C.R. (20mm nom. size). All drains and sewers beneath the road pavement and concrete footpaths, driveways or any sealed surface and kerb and channel shall be backfilled with 20mm nom. size Class 3 F.C.R. All backfilling to be compacted to 95% Max Dry Density based on modified compaction testing.
17. All conduit trenches and stormwater house drains under road pavement and kerb & channel shall be backfilled with 20mm nom size C.R. and compacted to 95% maximum dry density based on modified compaction testing.

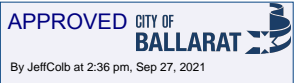
18. Gas, telecommunication and water conduits to be laid at a minimum depth of 200mm below pavement subgrade level.
19. Telecommunication conduits will be supplied by the Telecommunications Contractor, in trenches excavated and backfilled by the Civil Contractor. The Civil Contractor shall give the Telecommunications Contractor two (2) weeks notice prior to commencing work.
20. The Contractor shall co-operate with other contractors and/or service authorities and shall ensure that all services are to be installed prior to final pavement course.
21. Trenching for underground electrical cables, supply and installation of conduits and supply and placement of backfill is to be undertaken by the contractor with VEDN pre-qualification. The Contractor is to arrange all audits and undertake all rectification works necessary to pass the audits.
22. 100mm diameter Agricultural drains to be constructed behind all kerb and channel, kerb only, buffer strip and open concrete invert as per SD-D2-1.
23. Where new roads meet undeveloped stages, additional earthworks to top of footpath level are to be extended for a distance of 8.00m to final levels.
24. All concrete kerb and channel, footpath and driveway crossings to be 25 Mpa
25. All driveways are to be offset 0.5m min. from side boundaries or easements unless otherwise shown. Driveways are as per Ballarat City Council's standards. Properties with driveways not shown on plans are to be constructed by land owners as per Ballarat City Council requirements. City of Ballarat Crossing Permits will be required for these crossovers.
26. Any footpaths or kerb and channel damaged during construction and maintenance periods to be reinstated to the satisfaction of Ballarat City Council.
27. Perambulator crossings shown on these drawings are diagrammatic only. For details refer to Ballarat City Council standard drawing SD C4
28. Chainages (Ch.) in all roads are computed along the road centerline and offsets are to back of kerb unless otherwise shown.
29. When roadways are truncated against rising lands pending development of future stages, temporary A.G. drains shall be installed across the end of the road to prevent seepage into pavement.
30. On completion the Contractor is responsible for the removal of all rubbish and spoil from the site.
31. All signs and traffic control measures shall be in accordance with AS1742.1-2003, AS1742.2-1994(Amt 1997), AS 1742.3-2002.
32. Where distance between centerline of sewer and stormwater is less than 2.00 metres, sewer trench backfilling is to comply with City of Ballarat specifications.
33. Cut batters shall not exceed 6:1 and fill batters are not to exceed 3:1 unless indicated otherwise.
34. All P.S.M.s must be high stability type as per Ballarat City Council requirements.
35. Street signs are to be installed in accordance with Ballarat City Council standards and as shown on the plans.
36. Service authorities trenches must be backfilled with approved material where concrete driveway crossings are proposed.

STANDARD DRAWINGS

DRAWING No	DESCRIPTION
	CITY OF BALLARAT STANDARD DRAWINGS
SD-C4-1	PEDESTRIAN KERB RAMP DETAIL (CORRUGATED PROFILE)
SD-D2-1	SUB-SOIL DRAINAGE BEHIND KERB AND CHANNEL
SD-D8-1	TRENCH DETAILS FOR REINFORCED CONCRETE PIPES
SD-D9	HOUSE CONNECTION DRAIN TO MAIN OUTFALL DRAIN
SD-K1	STANDARD KERB SECTIONS
SD-K3-2	STANDARD CONCRETE FOOTPATH SECTION FOR SUBDIVISIONS

COUNCIL HOLD POINTS

- The contractor is to be aware of the City of Ballarat construction requirements and contact the City of Ballarat at each of their required hold points to arrange appropriate testing and inspections.
- SUB-GRADE INSPECTION - no crushed rock or other pavement material is to be placed until the subgrade has been inspected and approved by the council officer.
- TEST ROLLING - shall be carried out in the process of and to the satisfaction of the council officer.
- PRIMER COAT - council officer is to give approval prior to the placement of the primer coat.
- BITUMINOUS CONCRETE WEARING COURSE - (PLACING AND COMPACTION). no layer shall be spread until the council officer gives consent to proceed.
- PLACING - concrete shall not be placed until the council officer has examined formwork and reinforcement in place and given his consent to proceed.
- FORMS - the forms shall be inspected by the council officer immediately before concrete is placed.
- PREPARATION BEFORE PLACING FRESH CONCRETE - the surface preparations work shall be completed to the satisfaction of the council officer before concreting proceeds.
- BACKFILLING - no joints are to be covered or trenches backfilled until pipe laying has been approved by the council officer.
- DRAINAGE PITS - covers shall not be placed until the pits have been inspected and approved by the council officer.



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED			DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020	CLIENT:	PROJECT: PROPOSED 27 LOT SUBDIVISION
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.			DRAWN: S. CAMPBELL	SCALE: AS SHOWN		809 WILSON STREET
1	ISSUED FOR COUNCIL APPROVAL	30/04/21								SURVEY: ST QUENTIN	SHEET SIZE: A1		BALLARAT EAST, VIC., 3350
2	ISSUED FOR COUNCIL APPROVAL	29/06/21								CHECKED: .	APPROVED:		TITLE: GENERAL NOTES and
3	ISSUED FOR COUNCIL APPROVAL	15/07/21								DATE: .	DATE:		DRAWING INDEX
4	ISSUED FOR COUNCIL APPROVAL	20/07/21											WCE REF. No.: FE-001
													SHEET: 2 OF 23
													REV: A



DATE:	DECEMBER 2020
SCALE:	AS SHOWN
SHEET SIZE:	A1
APPROVED:	
DATE:	
COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.	

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

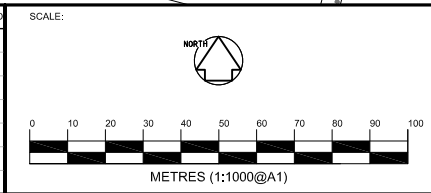



NOTE: THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE INDICATIVE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL AUTHORITIES TO DETERMINE THE LOCATION OF UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORK. ANY CLASH OF WORKS WITH A SERVICE IS TO BE REPORTED TO THE ENGINEER IMMEDIATELY. THE CONTRACTOR SHALL ENSURE THAT ALL SERVICES ARE FULLY PROTECTED DURING CONSTRUCTION. ANY SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.



APPROVED CITY OF BALLARAT  
By Jeff Colb at 2:37 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



**WRIGHT CIVIL  
ENGINEERING**

P.O. BOX 2243, BAKERY HILL VIC. 3354 MOBILE + 0457 064 000

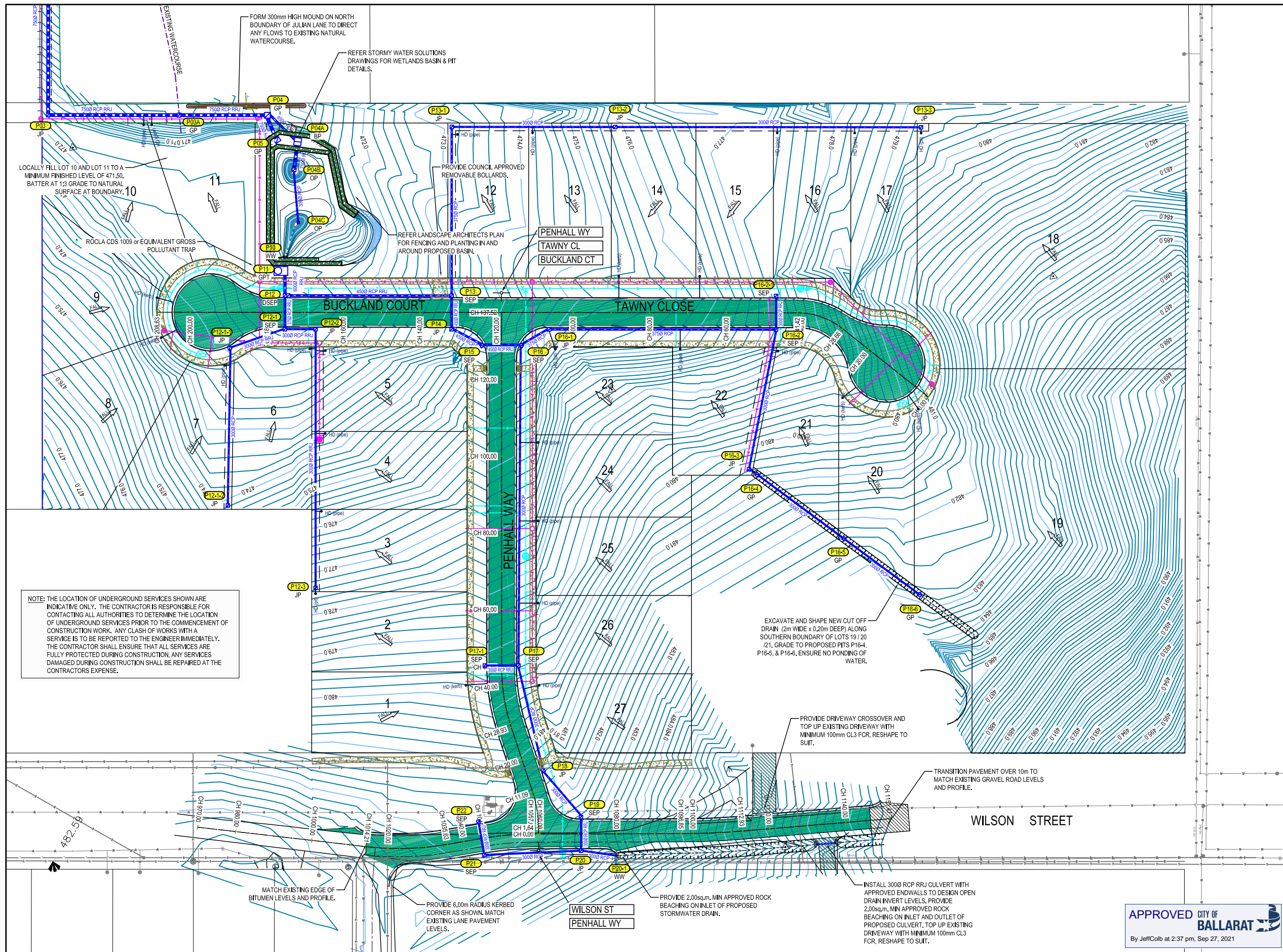
DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

CLIENT:  
**FOREST EDGE P/L**  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	OVERALL SITE PLAN and EXISTING CONTOURS
WCE REF. No.:	FE-001
SHEET:	4 OF 23
REV:	A





## LEGEND

- EXISTING SURFACE CONTOURS
- EXISTING KERB & CHANNEL
- EXISTING KERB & CHANNEL TO BE REMOVED
- EXISTING ROAD KERB
- EXISTING TREE
- EXISTING OPEN DRAIN
- EXISTING STORMWATER DRAINAGE PIPE
- EXISTING OVERHEAD ELECTRICITY/POLE
- EXISTING STORMWATER DRAINAGE PIT
- EXISTING NATURAL SURFACE LEVEL
- PROPOSED TITLE BOUNDARY
- PROPOSED FUTURE TITLE BOUNDARY
- PROPOSED ROAD KERB & CHANNEL
- PROPOSED ROAD CENTRELINE
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SIDE ENTRY PIT
- PROPOSED JUNCTION PIT
- PROPOSED ENDWALL & ROCK BEACHING
- PROPOSED HOUSE DRAIN CONNECTION
- PROPOSED SEWER MAIN ALIGNMENT & PIT. REFER SEWER AND WATER PLANS
- EXTENT OF PROPOSED ROAD PAVEMENT
- EXTENT OF PROPOSED FOOTPATH
- LOT NUMBER & DIRECTION OF NATURAL SURFACE FALL
- TEMPORARY BENCH MARK
- TITLE PEG SETOUT POINTS

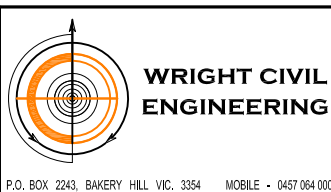
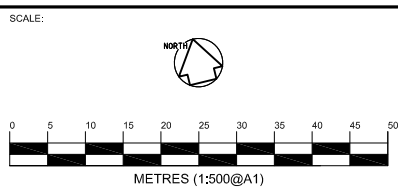
## NOTE:

- ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY WRIGHT CIVIL ENGINEERING (WCE) SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY WCE AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SETOUT WORKS UNDERTAKEN USING WCE DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR. THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- ALL FILLING WORKS ON SITE ARE TO BE FILLED WITH SELECT SITE WON APPROVED MATERIAL IN ACCORDANCE WITH AS 3798-2007 "GUIDELINE ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. REFER EARTHWORKS PLAN FOR EXTENT OF LOT FILLING.
- TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROUTES TO BE INSTALLED TO AUSTRALIAN STANDARDS, DISABILITY DISCRIMINATION ACT, VICROADS AND CITY OF BALLARAT REQUIREMENTS.
- AGRICULTURAL DRAINS ARE TO BE LOCATED AT BACK OF KERB AND CHANNEL WITH THE EXCEPTION OF WHERE A STORMWATER PIPE IS TO BE LOCATED. REFER CITY OF BALLARAT STD DWG SD-02-1.
- ALL SIGNS AND LINEMARKING TO BE INSTALLED ON ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2 - SIGNS AND MARKING.
- ALL KERB ADAPTERS FOR HOUSE DRAINS TO BE COUNCIL APPROVED.
- THE CONTRACTOR IS TO CONFIRM EXISTING PAVEMENT LEVELS OF ADJOINING DEVELOPMENTS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER. ALL KERB SETOUT IS TO BE INSPECTED AND APPROVED BY THE COUNCIL OFFICER PRIOR TO THE PLACEMENT OF KERB AND CHANNEL.
- THE ORIENTATION OF ALL STORMWATER DRAINAGE COVERS AND GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH AS3996-2006.
- ALL STORMWATER PIPES LOCATED BEHIND BACK OF KERB ARE TO BE BACKFILLED WITH COMPACTED CL3 FCR TO A MINIMUM DEPTH OF 500mm BELOW BASE OF KERB.

APPROVED CITY OF BALLARAT

By Jeff Colb at 2:37 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



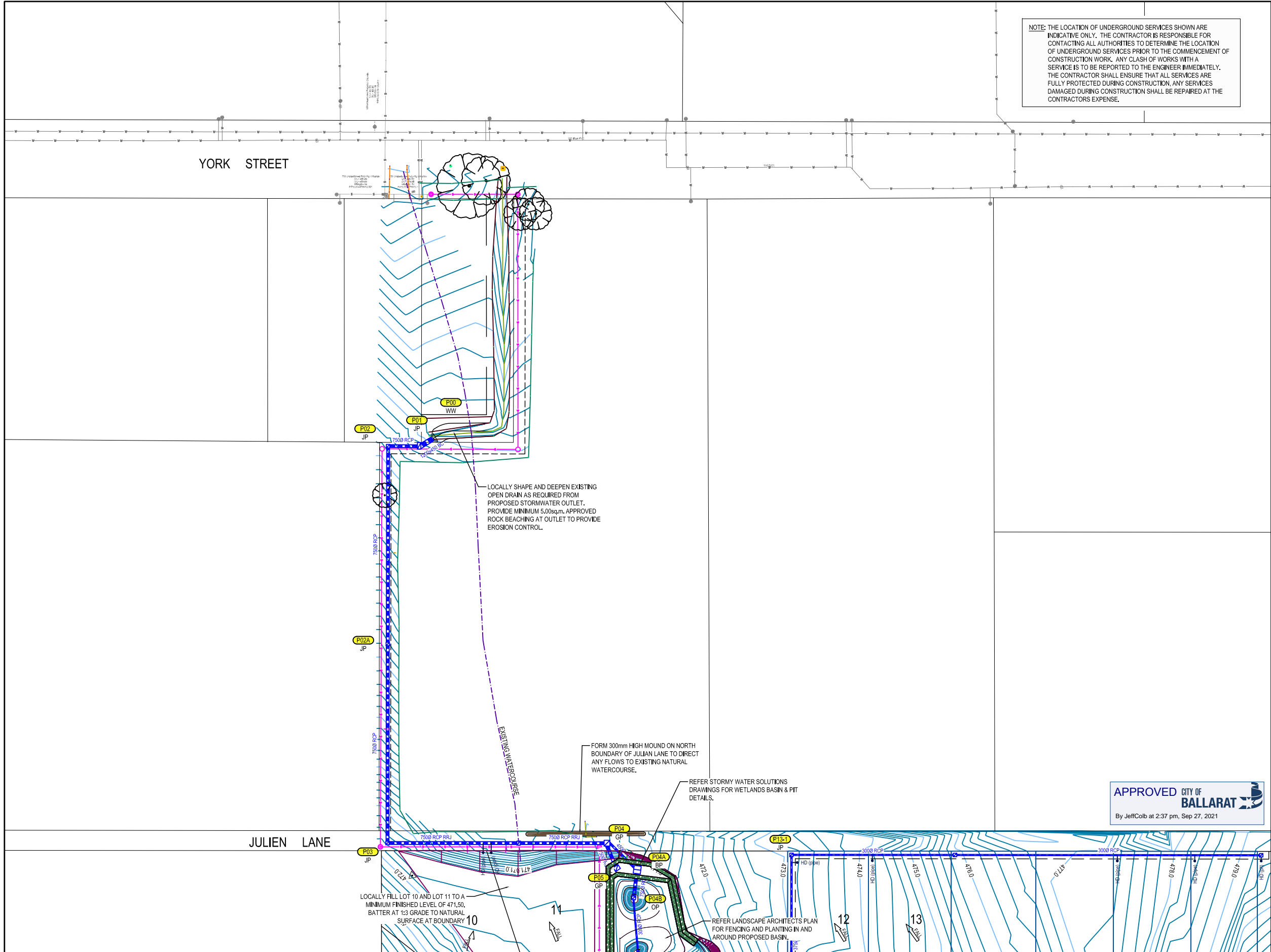
DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	ROAD & DRAINAGE LAYOUT PLAN
WCE REF. No.:	FE-001
SHEET:	5 OF 23
REV:	A





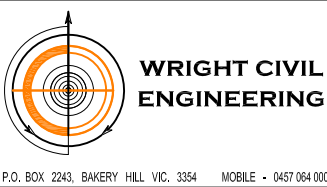
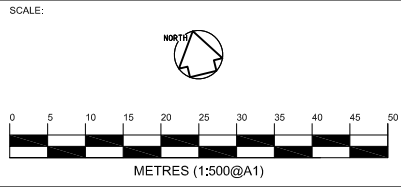
LEGEND

- EXISTING SURFACE CONTOURS
- EXISTING KERB & CHANNEL
- EXISTING KERB & CHANNEL TO BE REMOVED
- EXISTING ROAD KERB
- EXISTING TREE
- EXISTING OPEN DRAIN
- EXISTING STORMWATER DRAINAGE PIPE
- EXISTING OVERHEAD ELECTRICITY/POLE
- EXISTING STORMWATER DRAINAGE PIT
- EXISTING NATURAL SURFACE LEVEL
- PROPOSED TITLE BOUNDARY
- PROPOSED FUTURE TITLE BOUNDARY
- PROPOSED ROAD KERB & CHANNEL
- PROPOSED ROAD CENTRELINE
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SIDE ENTRY PIT
- PROPOSED JUNCTION PIT
- PROPOSED ENDWALL & ROCK BEACHING
- PROPOSED HOUSE DRAIN CONNECTION
- PROPOSED SEWER MAIN ALIGNMENT & PIT. REFER SEWER AND WATER PLANS
- EXTENT OF PROPOSED ROAD PAVEMENT
- EXTENT OF PROPOSED FOOTPATH
- LOT NUMBER & DIRECTION OF NATURAL SURFACE FALL
- TEMPORARY BENCH MARK
- TITLE PEG SETOUT POINTS

NOTE:

- ANY USE OF THE ELECTRONIC DRAWINGS OR DATA PROVIDED BY WRIGHT CIVIL ENGINEERING (WCE) SHALL BE USED AT THE USER'S RISK. NO RESPONSIBILITY WILL BE TAKEN BY WCE AS TO THE ACCURACY OF THE DIGITAL DRAWING OR DATA. ANY SETOUT WORKS UNDERTAKEN USING WCE DIGITAL DRAWINGS OR DATA SHOULD BE CHECKED AGAINST EXISTING TITLE PEGS, TEMPORARY AND/OR PERMANENT SURVEY MARKS AS NOMINATED BY THE PROJECTS LICENSED SURVEYOR. THE SET-OUT INFORMATION PROVIDED ON ARCHITECTURAL AND/OR OTHER PROJECT RELATED DRAWINGS AND DOCUMENTS, IN CONJUNCTION WITH THE APPROVED HARD COPY OF THE DRAWINGS, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- ALL FILLING WORKS ON SITE ARE TO BE FILLED WITH SELECT SITE WON APPROVED MATERIAL IN ACCORDANCE WITH AS 3798-2007 "GUIDELINE ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS. REFER EARTHWORKS PLAN FOR EXTENT OF LOT FILLING.
- TACTILE GROUND SURFACE INDICATORS FOR ALL PEDESTRIAN ROUTES TO BE INSTALLED TO AUSTRALIAN STANDARDS. DISABILITY DISCRIMINATION ACT, VICROADS AND CITY OF BALLARAT REQUIREMENTS.
- AGRICULTURAL DRAINS ARE TO BE LOCATED AT BACK OF KERB AND CHANNEL WITH THE EXCEPTION OF WHERE A STORMWATER PIPE IS TO BE LOCATED. REFER CITY OF BALLARAT STD DWG SD-D2-1.
- ALL SIGNS AND LINEMARKING TO BE INSTALLED ON ACCORDANCE WITH VICROADS TRAFFIC ENGINEERING MANUAL VOL 2 - SIGNS AND MARKING.
- ALL KERB ADAPTERS FOR HOUSE DRAINS TO BE COUNCIL APPROVED.
- THE CONTRACTOR IS TO CONFIRM EXISTING PAVEMENT LEVELS OF ADJOINING DEVELOPMENTS PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER. ALL KERB SETOUT IS TO BE INSPECTED AND APPROVED BY THE COUNCIL OFFICER PRIOR TO THE PLACEMENT OF KERB AND CHANNEL.
- THE ORIENTATION OF ALL STORMWATER DRAINAGE COVERS AND GRATES ARE SHOWN INDICATIVELY AND ARE TO BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH AS3996-2006.
- ALL STORMWATER PIPES LOCATED BEHIND BACK OF KERB ARE TO BE BACKFILLED WITH COMPACTED CL3 FOR TO A MINIMUM DEPTH OF 500mm BELOW BASE OF KERB.

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

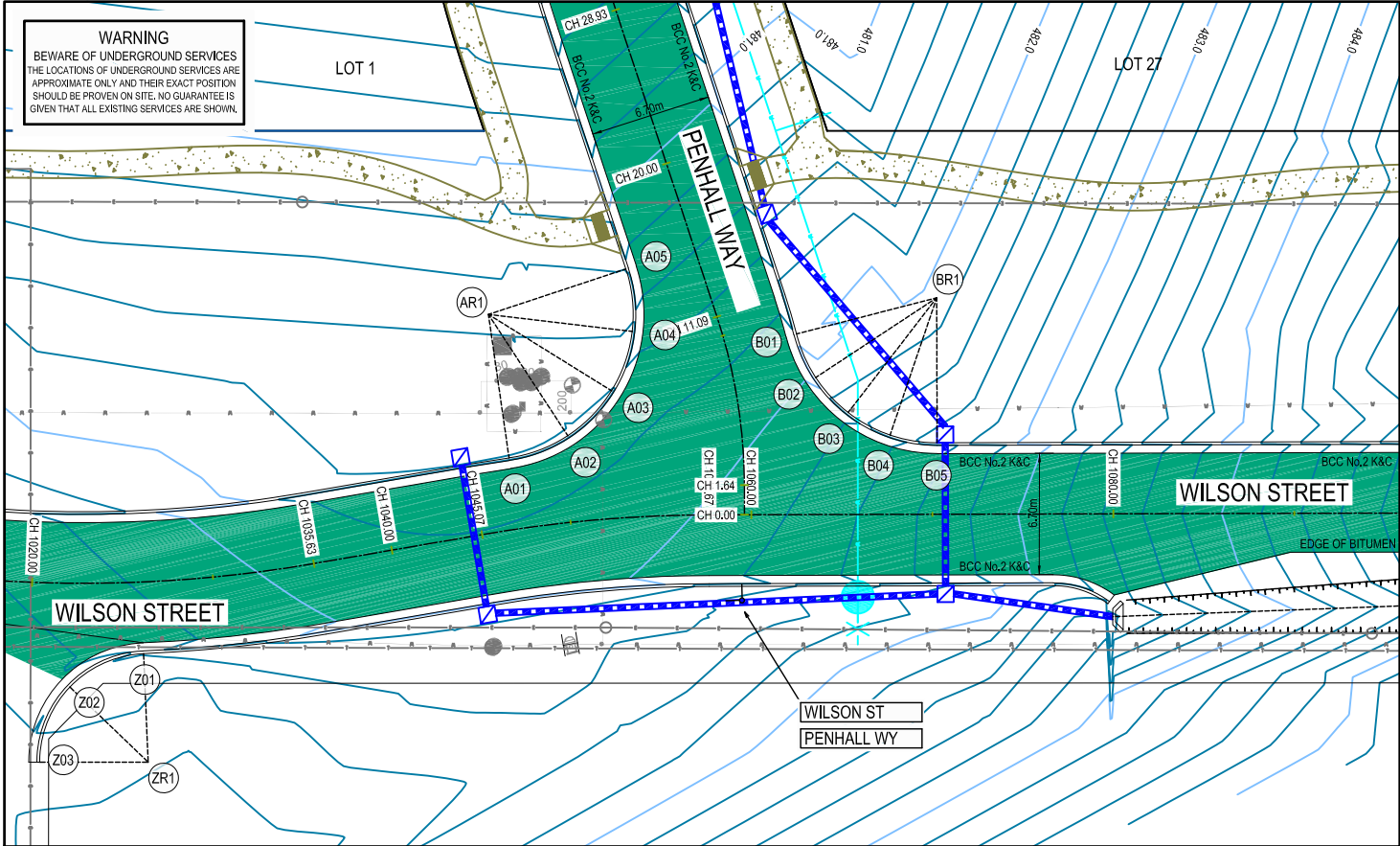


DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	ROAD & DRAINAGE LAYOUT PLAN
WCE REF. No.:	FE-001
SHEET:	6 OF 23
REV:	A



KERB & CHANNEL SET OUT CO-ORDINATES

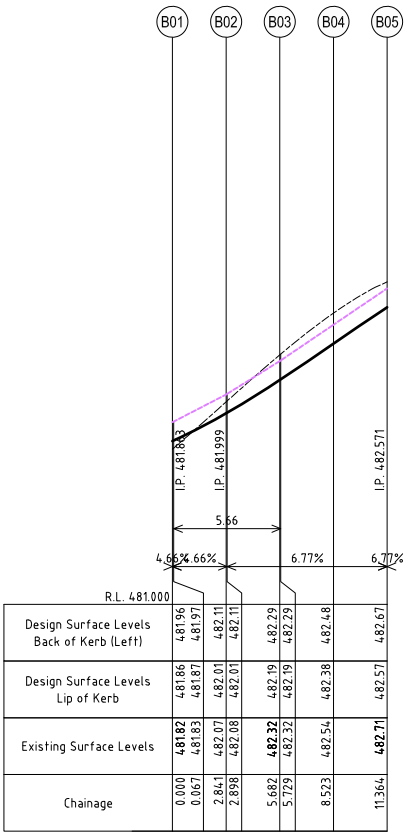
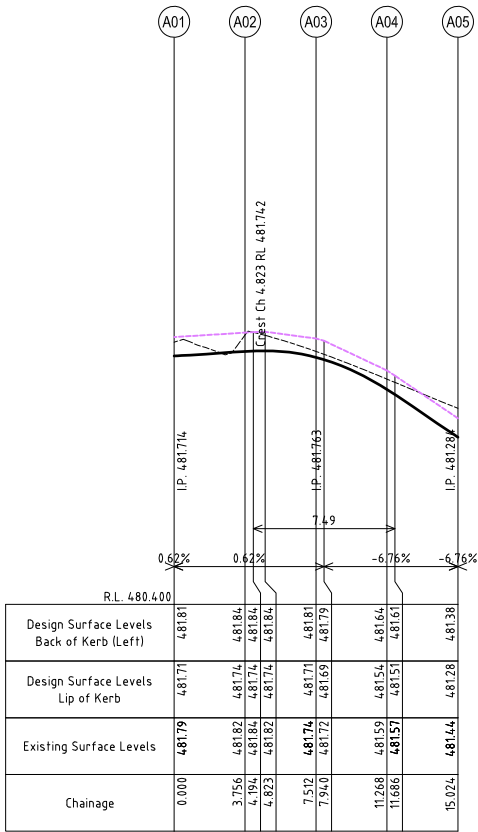
POINT	EASTING	NORTHING	R.L.	DETAILS
A01	755651.550	5837431.631	481.81	TP ST 8.00mR
A02	755654.989	5837432.060	481.84	•
A03	755657.925	5837433.903	484.81	•
A04	755659.805	5837436.815	481.84	•
A05	755660.278	5837440.249	481.38	TP END 8.00mR
AR1	755662.304	5837439.595	-	CENTRE OF 8.00m ARC
B01	755668.594	5837434.548	481.96	TP ST 8.00mR
B02	755668.064	5837431.859	482.11	•
B03	755670.349	5837429.663	482.29	•
B04	755672.309	5837427.908	481.48	•
B05	755674.732	5837426.884	482.67	TP END 8.00mR
BR1	755676.593	5837434.664	-	CENTRE OF 8.00m ARC
Z01	755629.383	5837425.879	482.38	TP ST 6.00mR
Z02	755624.987	5837425.048	482.53	•
Z03	755622.388	5837421.406	482.77	TP END 6.00mR
ZR1	755628.219	5837419.993	-	CENTRE OF 6.00m ARC

NOTE : SETOUT TO BACK OF KERB

**WILSON STREET**

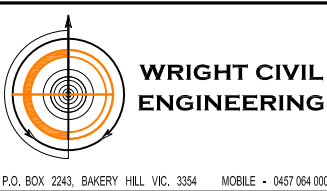
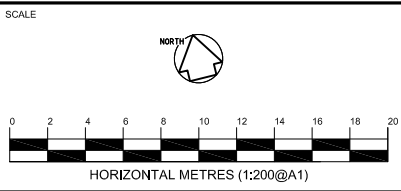
**CENTRELINE SETOUT CO-ORDINATES**

EASTING	NORTHING	CHAINAGE	DETAILS
755605.479	5837437.841	1000.00	-
755614.865	5837434.390	1010.00	-
755618.821	5837432.936	1014.21	TP CL
755624.322	5837431.151	1020.00	-
755634.098	5837429.082	1030.00	-
755639.695	5837428.496	1035.63	TP CL
755644.057	5837428.204	1040.00	-
755649.111	5837427.866	1045.07	TP CL
755651.177	5837427.699	1047.14	TP LHS (PENHALL WY)
755654.020	5837427.375	1050.00	-
755661.553	5837425.975	1057.67	TP CL
755663.455	5837425.520	1059.62	CL PENHALL WAY
755663.824	5837425.432	1060.00	-
755673.549	5837423.105	1070.00	-
755673.813	5837423.042	1070.27	TP LHS (PENHALL WY)
755683.275	5837420.779	1080.00	-
755693.000	5837418.452	1090.00	-
755699.662	5837416.858	1096.85	TP CL
755702.732	5837416.150	1100.00	-
755712.543	5837414.221	1110.00	-
755715.437	5837413.749	1112.93	TP CL
755722.421	5837412.662	1120.00	-
755732.302	5837411.124	1130.00	-
755742.183	5837409.587	1140.00	-
755752.064	5837408.049	1150.00	-



**APPROVED** CITY OF  
**BALLARAT**  
By Jeff Colb at 2:37 pm, Sep 27, 2021

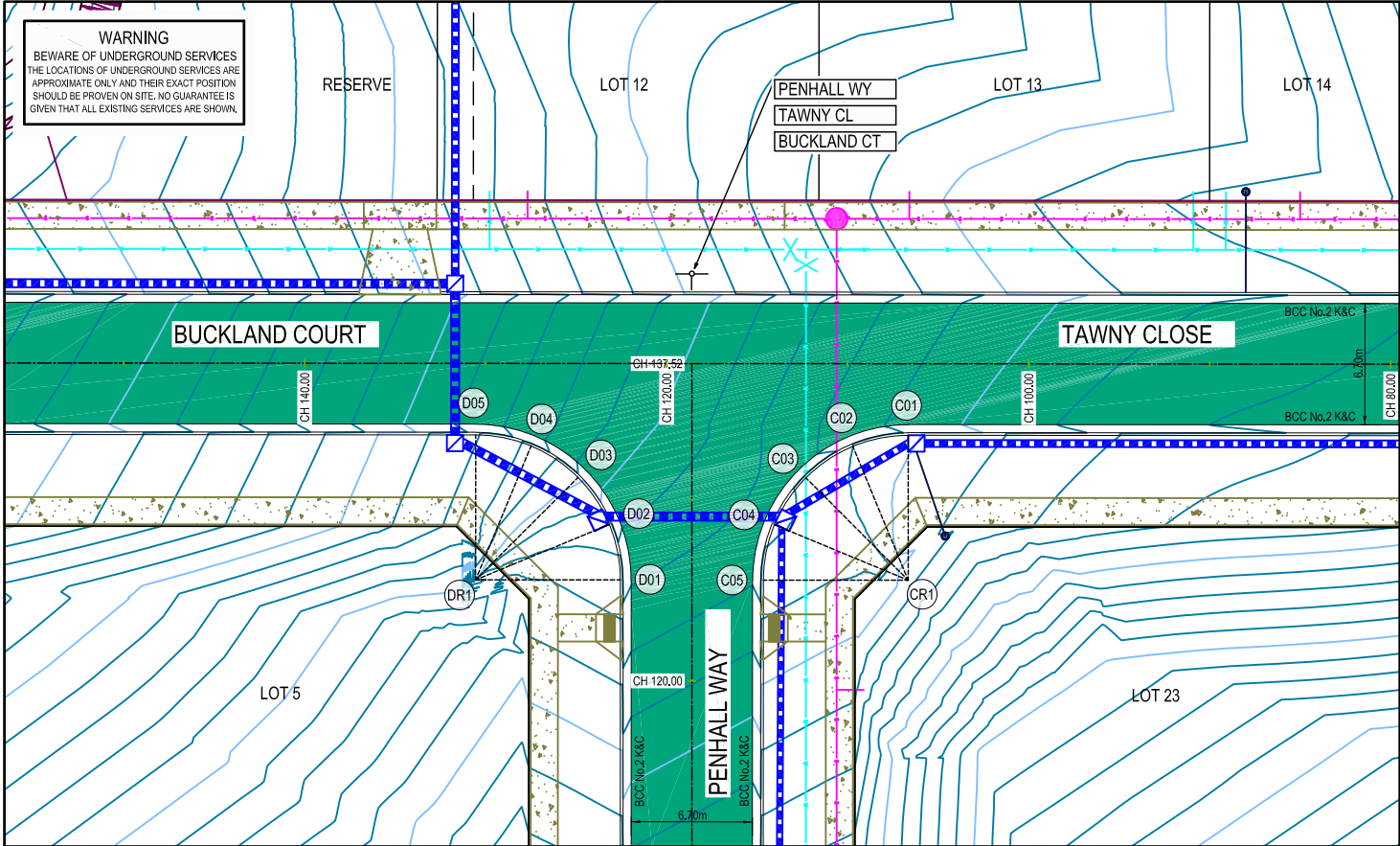
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

CLIENT:  
**FOREST EDGE P/L**  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT: <b>PROPOSED 27 LOT SUBDIVISION</b> 809 WILSON STREET BALLARAT EAST, VIC., 3350	SHEET: 7 OF 23 REV: A
TITLE: <b>INTERSECTION DESIGN and CENTRELINE SETOUT CO-ORDINATES</b>	
WCE REF. No.: <b>FE-001</b>	



KERB & CHANNEL SET OUT CO-ORDINATES

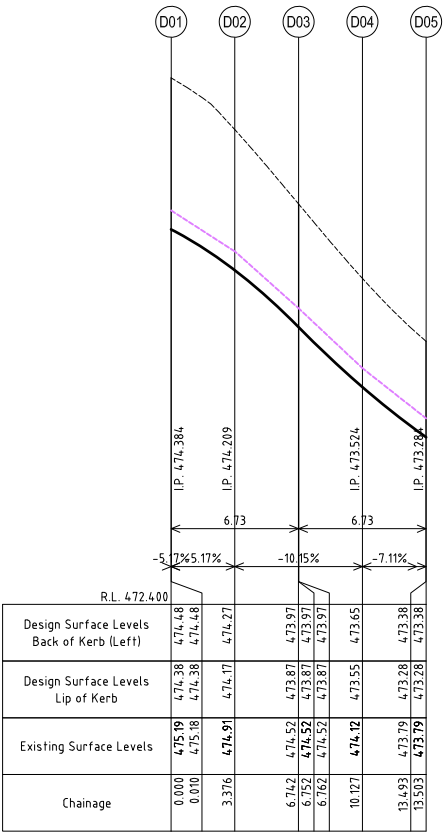
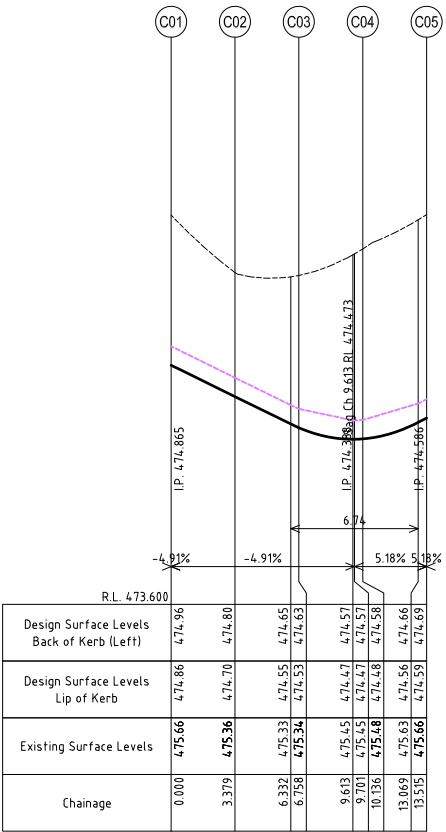
POINT	EASTING	NORTHING	R.L.	DETAILS
C01	755696.815	5837553.491	474.96	TP ST 8.00mR
C02	755693.995	5837553.622	474.80	•
C03	755690.762	5837552.548	474.63	•
C04	755688.465	5837550.433	474.58	•
C05	755687.151	5837547.600	474.69	TP END 8.00mR
CR1	755694.927	5837545.717	-	CENTRE OF 8.00m ARC
D01	755678.477	5837548.475	474.48	TP ST 8.00mR
D02	755678.606	5837552.592	474.27	•
D03	755678.532	5837555.522	473.87	•
D04	755678.420	5837557.818	473.65	•
D05	755673.590	5837559.132	473.38	TP END 8.00mR
DR1	755671.702	5837551.357	-	CENTRE OF 8.00m ARC

NOTE : SETOUT TO BACK OF KERB

PENHALL WAY

CENTRELINE SETOUT CO-ORDINATES

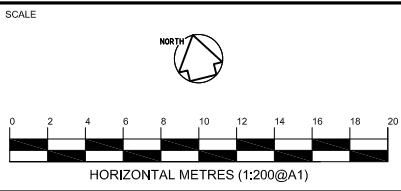
EASTING	NORTHING	CHAINAGE	DETAILS
755663.455	5837425.522	0.00	CL WILSON STREET
755663.834	5837427.116	1.64	TP CL
755664.645	5837434.491	9.08	TP RHS
755664.617	5837435.413	10.00	-
755664.548	5837436.505	11.09	TP CL
755664.214	5837440.571	15.17	TP LHS
755663.820	5837445.381	20.00	-
755663.091	5837454.278	28.93	TP CL
755663.015	5837455.349	30.00	-
755663.412	5837465.324	40.00	-
755664.329	5837470.128	44.89	TP CL
755665.531	5837475.092	50.00	-
755667.884	5837484.811	60.00	-
755670.237	5837494.530	70.00	-
755672.591	5837504.250	80.00	-
755674.944	5837513.969	90.00	-
755677.297	5837523.688	100.00	-
755679.651	5837533.407	110.00	-
755682.004	5837543.126	120.00	-
755683.312	5837548.529	125.56	TP RHS
755683.316	5837548.546	125.58	TP LHS
755684.357	5837552.845	130.00	-
755686.126	5837560.152	137.52	CL NESBIT / BUCKLAND CT



APPROVED CITY OF BALLARAT

By JeffCoib at 2:37 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

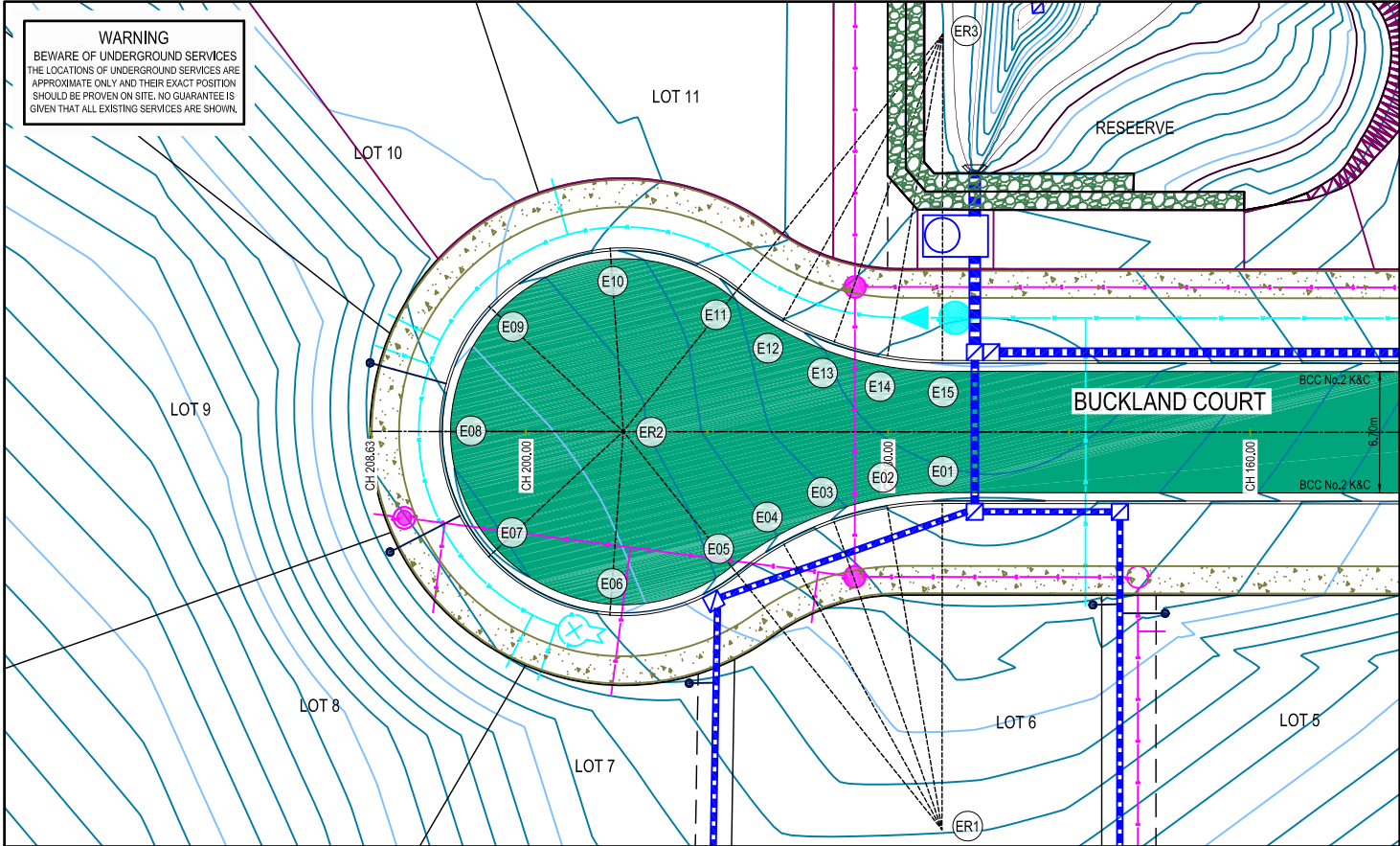
© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	INTERSECTION DESIGN and CENTRELINE SETOUT CO-ORDINATES
WCE REF. No.:	FE-001
SHEET:	8 OF 23
REV:	A





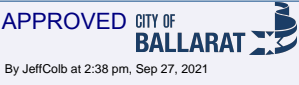
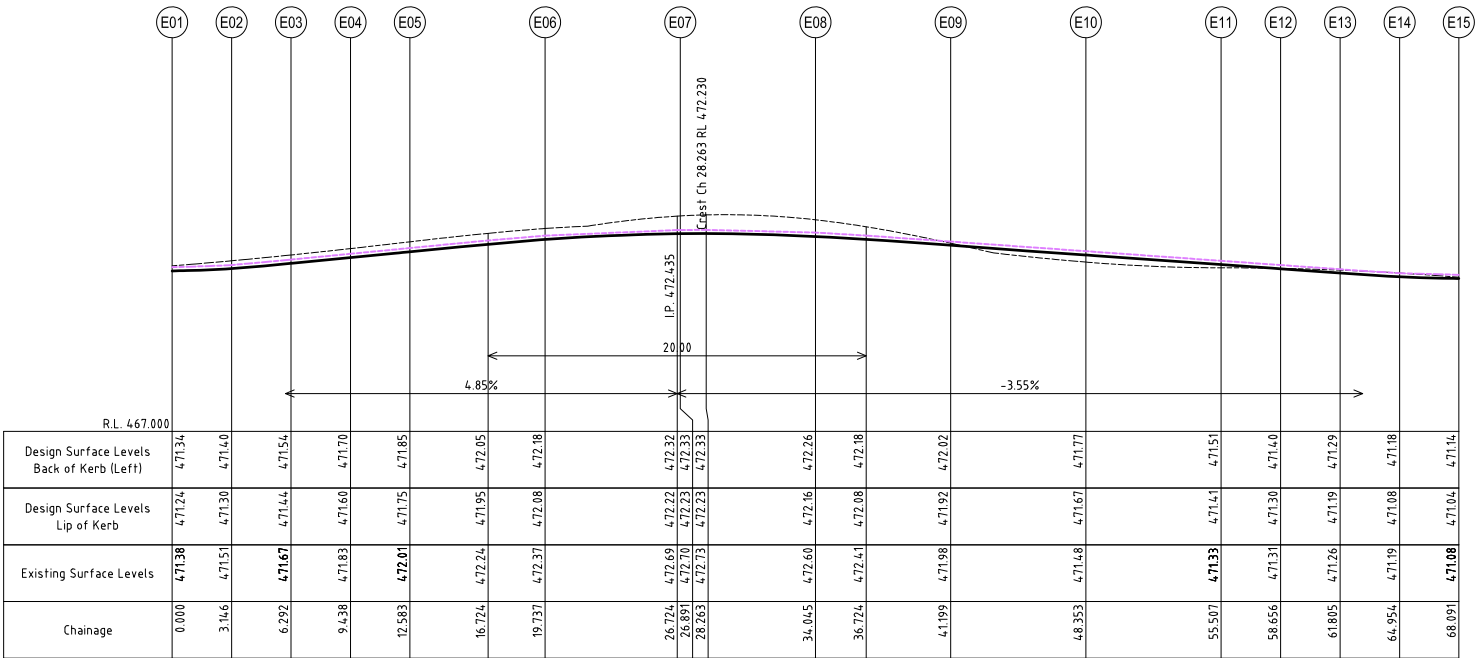
KERB & CHANNEL SET OUT CO-ORDINATES

POINT	EASTING	NORTHING	R.L.	DETAILS
E01	755628.444	5837570.095	471.34	TP ST 18.00mR
E02	755625.439	5837570.560	471.40	•
E03	755622.389	5837570.513	471.54	•
E04	755618.410	5837569.955	471.70	•
E05	755616.557	5837568.902	471.85	CTP END 18.00mR ST 10.15mR
E06	755609.145	5837568.429	472.18	•
E07	755603.396	5837573.130	472.33	•
E08	755602.386	5837580.488	472.26	•
E09	755606.658	5837586.564	472.02	•
E10	755613.923	5837588.104	471.77	CTP END 10.15mR ST 18.00mR
E11	755620.293	5837584.284	471.51	•
E12	755622.285	5837582.006	471.40	•
E13	755624.745	5837580.173	471.29	•
E14	755627.425	5837578.737	471.18	•
E15	755630.309	5837577.772	471.14	TP END 18.00mR
ER1	755624.196	5837552.603	-	CENTRE 18.00m ARC
ER2	755612.254	5837578.109	-	CENTRE 10.15m ARC
ER3	755634.556	5837595.264	-	CENTRE 18.00m ARC

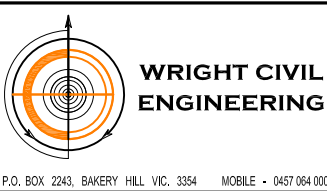
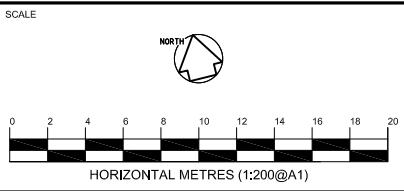
NOTE : SETOUT TO BACK OF KERB

**TAWNY CLOSE / BUCKLAND COURT**  
**CENTRELINE SETOUT CO-ORDINATES**

EASTING	NORTHING	CHAINAGE	DETAILS
755789.245	5837512.515	0.00	PROPERTY BOUNDARY
755783.105	5837520.408	10.00	-
755780.649	5837523.566	14.00	CENTRE OF CULDESAC
755776.965	5837528.301	20.00	-
755771.646	5837535.139	28.66	TP CL
755770.789	5837536.165	30.00	-
755765.134	5837540.474	37.15	TP LHS & RHS
755762.499	5837541.550	40.00	-
755761.133	5837541.936	41.42	TP CL
755752.796	5837543.961	50.00	-
755743.078	5837546.321	60.00	-
755733.360	5837548.681	70.00	-
755723.643	5837551.041	80.00	-
755713.925	5837553.401	90.00	-
755704.208	5837555.761	100.00	-
755697.747	5837557.330	106.65	TP LHS (PENHALL WY)
755694.490	5837558.121	110.00	-
755686.126	5837560.152	118.61	CL PENHALL WAY
755684.773	5837560.481	120.00	-
755675.055	5837562.840	130.00	-
755674.522	5837562.970	130.55	TP LHS (PENHALL WY)
755665.338	5837565.200	140.00	-
755655.620	5837567.560	150.00	-
755645.902	5837569.920	160.00	-
755636.185	5837572.280	170.00	-
755629.376	5837573.933	177.01	TP LHS & RHS
755626.467	5837574.640	180.00	-
755616.750	5837577.000	190.00	-
755612.254	5837579.109	194.63	CENTRE OF CULDESAC
755607.032	5837579.360	200.00	-
755598.645	5837581.397	208.63	PROPERTY BOUNDARY



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

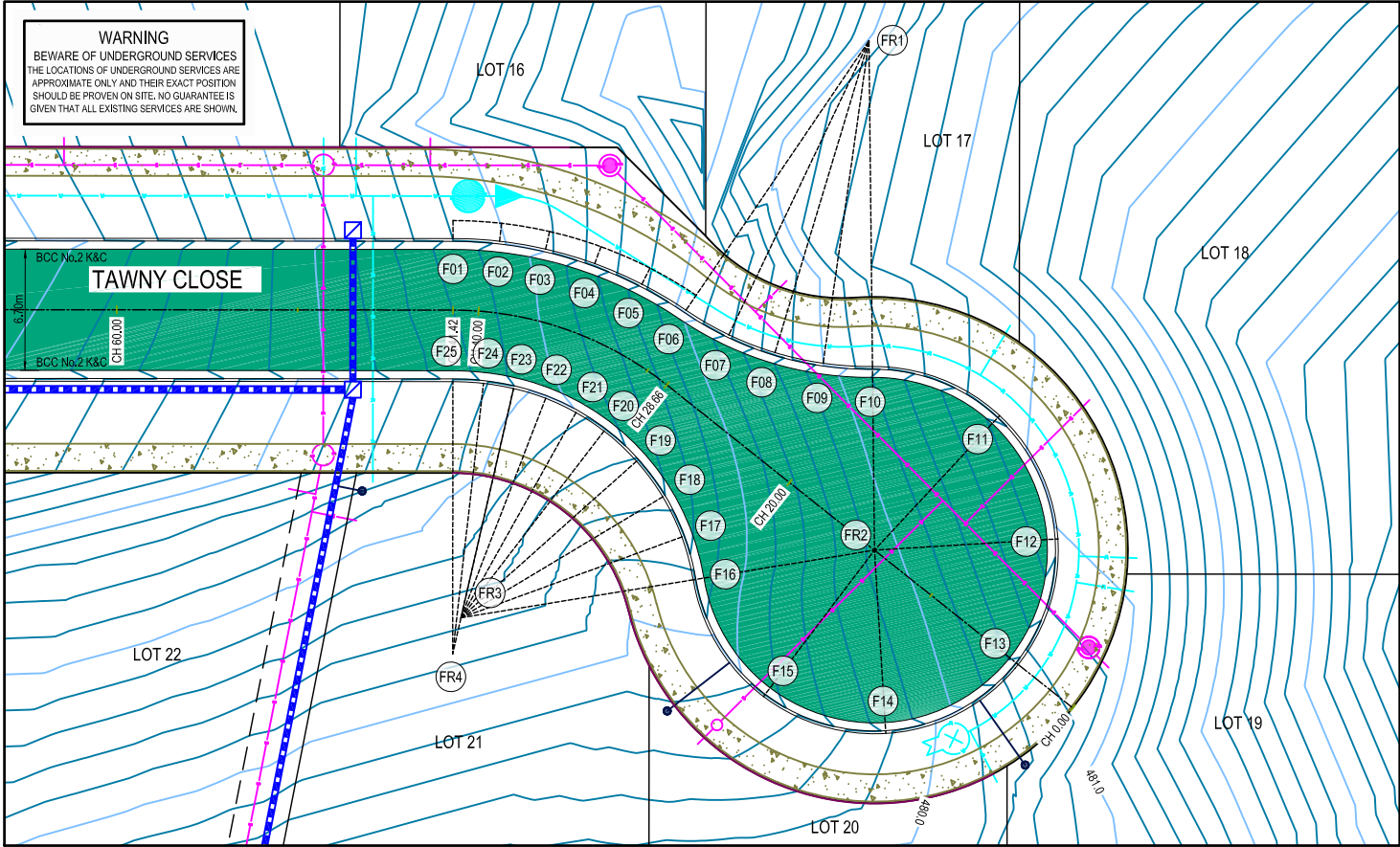


DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

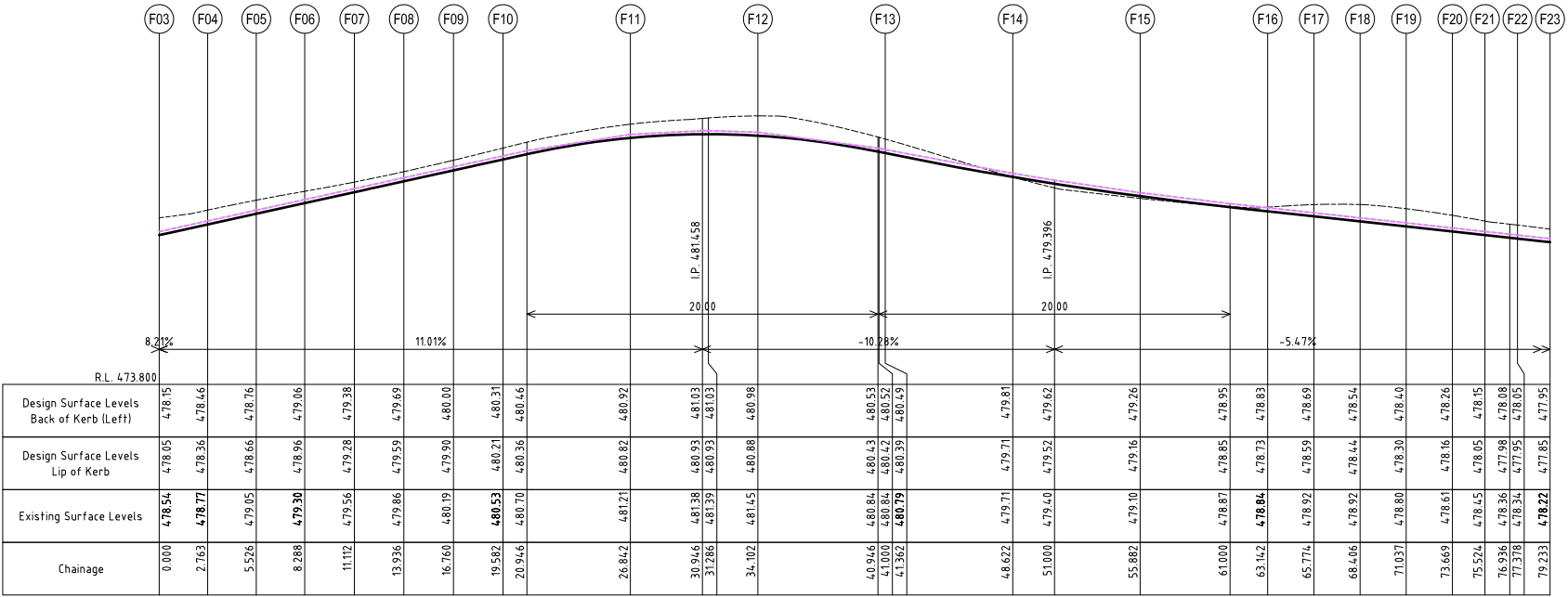
PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	INTERSECTION DESIGN and CENTRELINE SETOUT CO-ORDINATES
WCE REF. No.:	FE-001
SHEET:	09 OF 23
REV:	A



KERB & CHANNEL SET OUT CO-ORDINATES

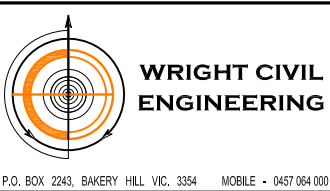
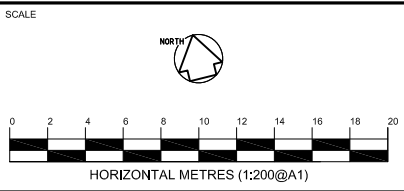
POINT	EASTING	NORTHING	R.L.	DETAILS
F01	755762.065	5837545.775	477.80	TP ST 22.95mR
F02	755764.531	5837545.027	477.98	.
F03	755766.898	5837544.008	478.15	.
F04	755769.351	5837542.588	478.46	.
F05	755771.811	5837540.876	478.76	.
F06	755773.842	5837538.898	479.06	CTP END 22.95mR ST 18.00mR
F07	755775.625	5837537.022	479.38	.
F08	755777.869	5837535.467	479.69	.
F09	755780.322	5837534.269	480.00	.
F10	755782.928	5837533.456	480.31	CTP END 18.00mR ST 10.15mR
F11	755789.116	5837529.163	480.92	.
F12	755790.642	5837521.788	480.98	.
F13	755786.881	5837515.554	480.49	.
F14	755779.151	5837515.915	479.81	.
F15	755772.788	5837517.145	479.26	.
F16	755770.528	5837524.329	478.83	CTP END 10.15mR ST 13.00mR
F17	755770.481	5837526.780	478.69	.
F18	755769.975	5837529.178	478.54	.
F19	755769.028	5837531.438	478.40	.
F20	755767.874	5837533.481	478.26	.
F21	755766.409	5837534.835	478.15	.
F22	755764.965	5837535.996	478.05	.
F23	755763.370	5837536.939	477.95	CTP END 13.00mR ST 15.05mR
F24	755761.818	5837537.608	477.78	.
F25	755760.201	5837538.098	477.60	TP END 15.05mR
FR1	755786.970	5837550.997	.	CENTRE 18.00m ARC
FR2	755780.649	5837523.566	.	CENTRE 10.15m ARC
FR3	755757.565	5837525.307	.	CENTRE 13.00m ARC
FR4	755756.649	5837523.473	.	CENTRE 15.05m ARC

NOTE : SETOUT TO BACK OF KERB



APPROVED CITY OF BALLARAT  
By Jeff Colb at 2:38 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

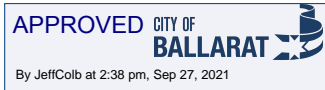
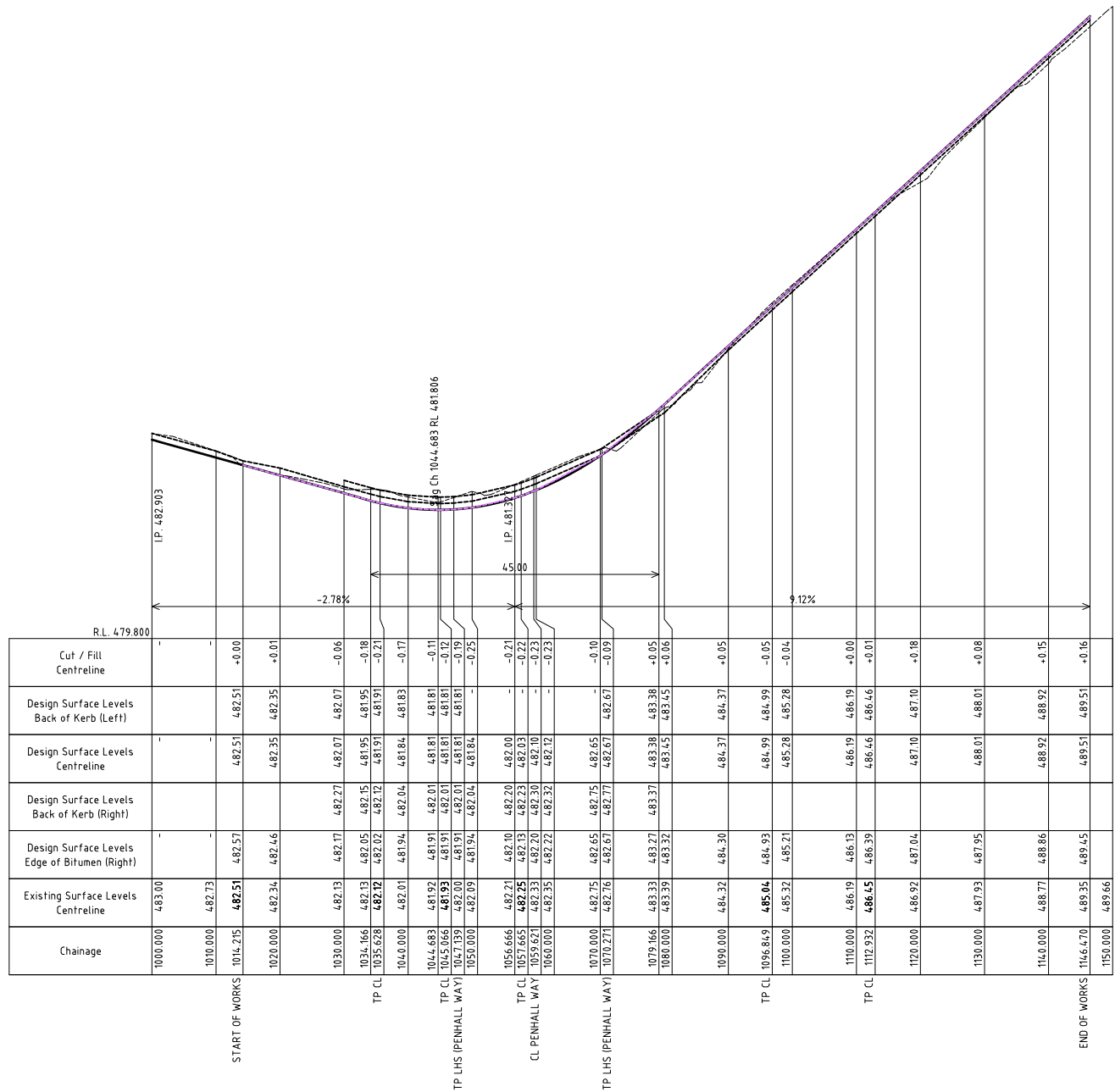


DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

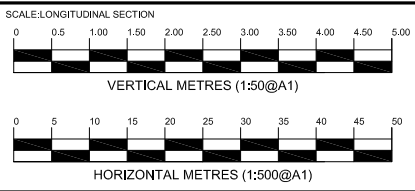
© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

CLIENT:  
FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT: PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350	TITLE: INTERSECTION DESIGN and CENTRELINE SETOUT CO-ORDINATES
WCE REF. No.: FE-001	SHEET: 10 OF 23 REV: A



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

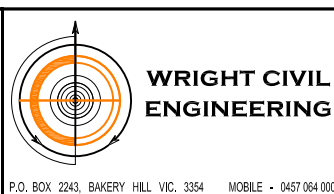
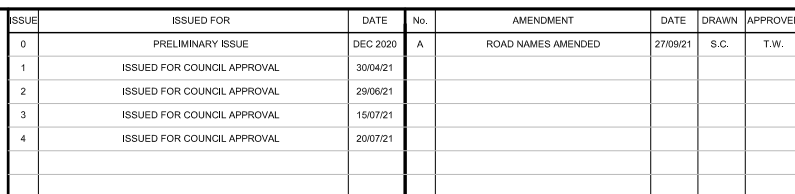
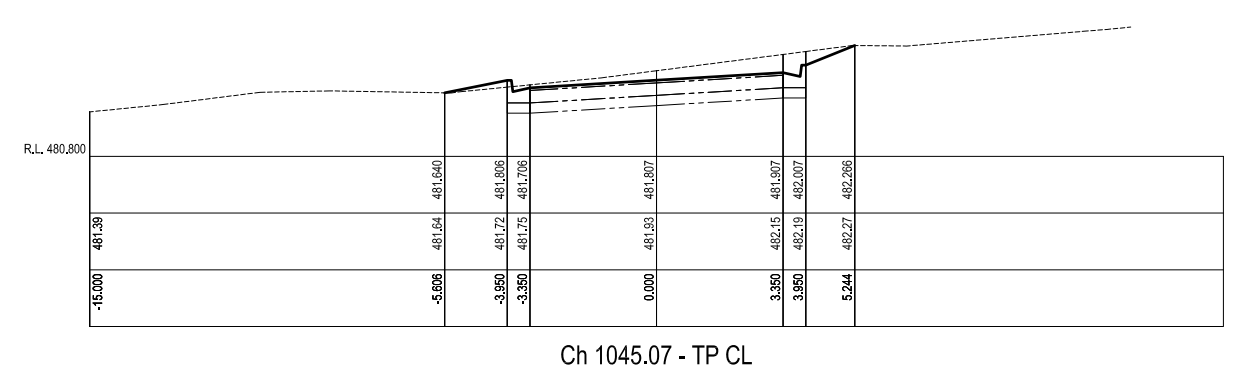
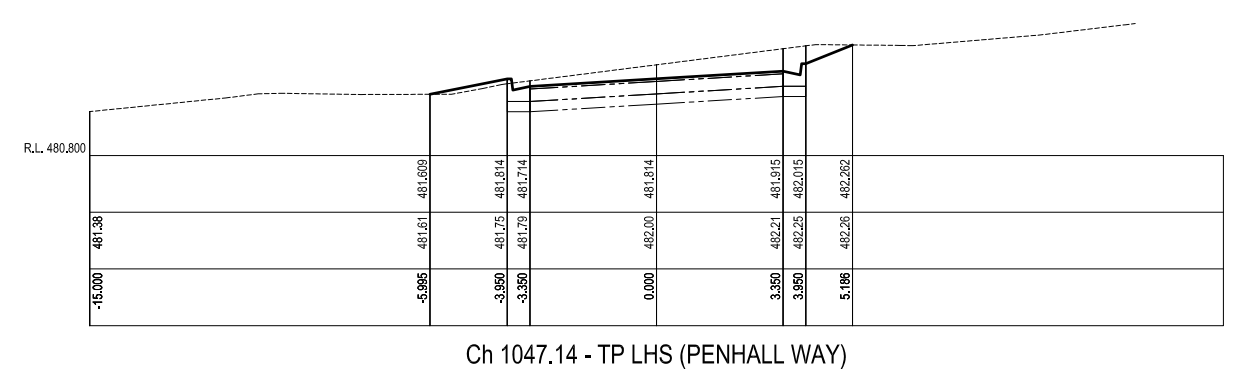
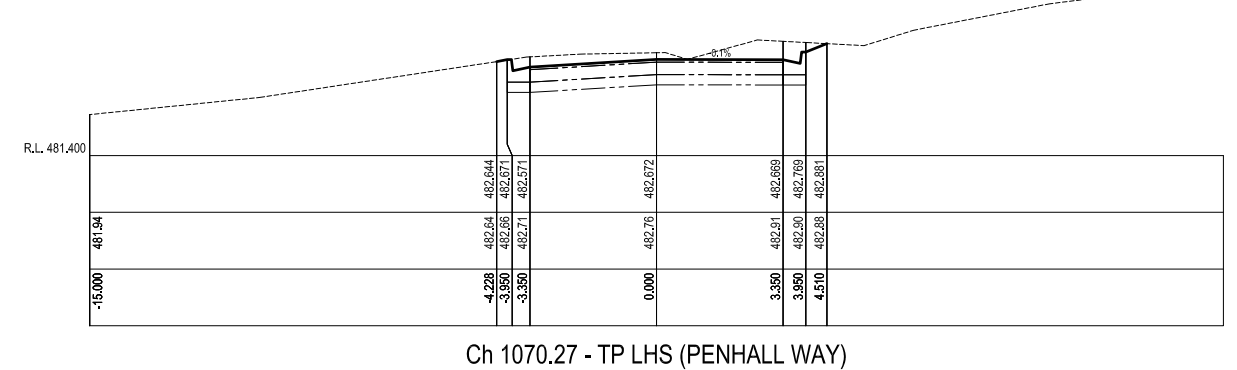
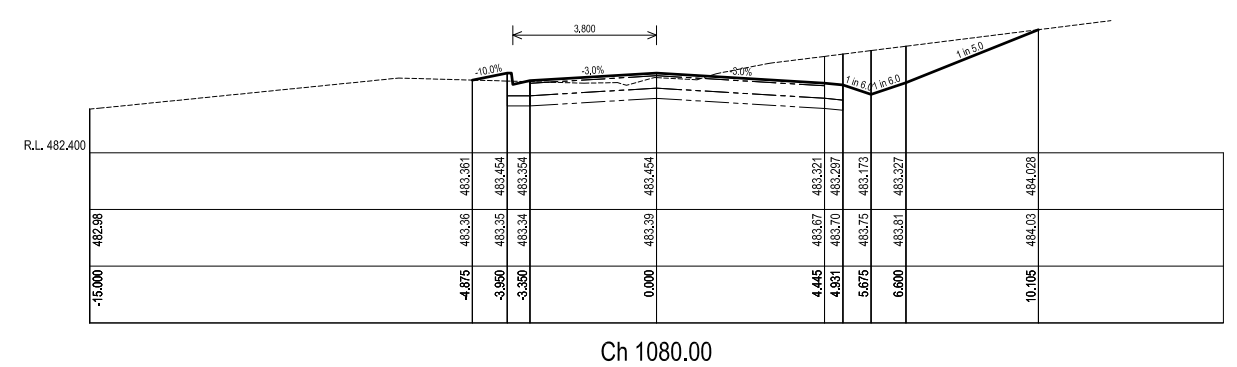


DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

CLIENT:
FOREST EDGE P/L
926 LATROBE STREET
BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION
	809 WILSON STREET
	BALLARAT EAST, VIC., 3350
TITLE:	ROAD LONGITUDINAL SECTION
	WILSON STREET
WCE REF. No.:	FE-001
SHEET:	11 OF 23
REV:	A



DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

0

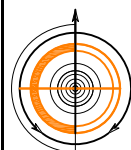
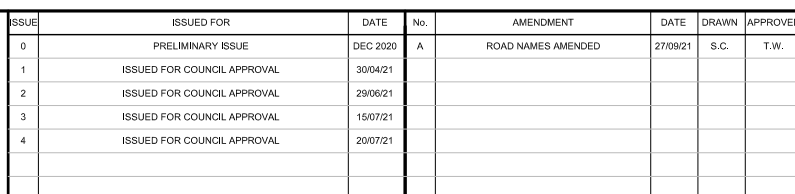
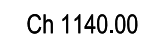
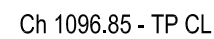
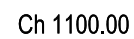
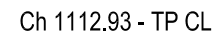
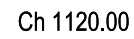
(C) COPYRIGHT WRIGHT CML ENGINEERING PTY. LTD.

CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT: PROPOSED 27 LOT SUBDIVISION			
809 WILSON STREET			
BALLARAT EAST, VIC., 3350			
TITLE: ROAD CROSS SECTIONS			
WILSON STREET			
WICE REF. No:	FE-001	SHEET: 12	OF 23 REV: A





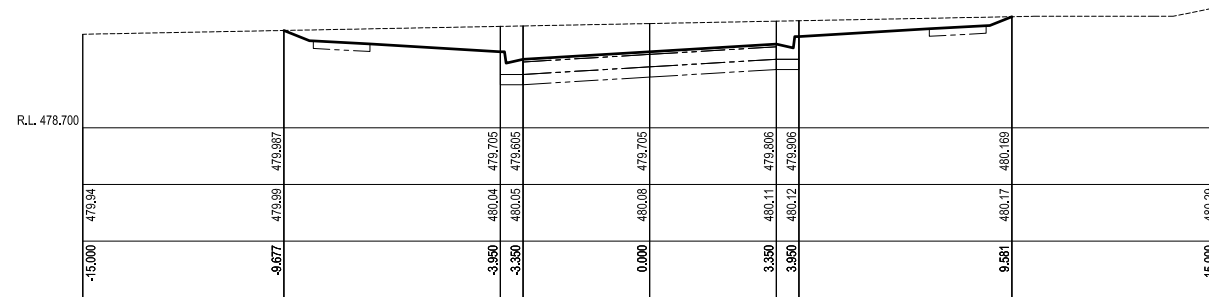
P.O. BOX 2243, BAKERY HILL VIC. 3354      MOBILE • 0457 064 000

CLIENT:

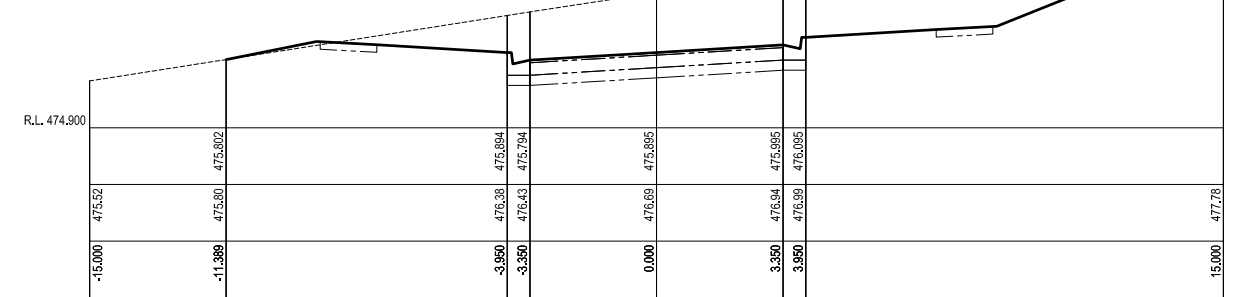
FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

PROJECT: PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350		
TITLE: ROAD CROSS SECTIONS WILSON STREET		
WCE REF. No.: FE-001	SHEET: 13 OF 23	REV: A

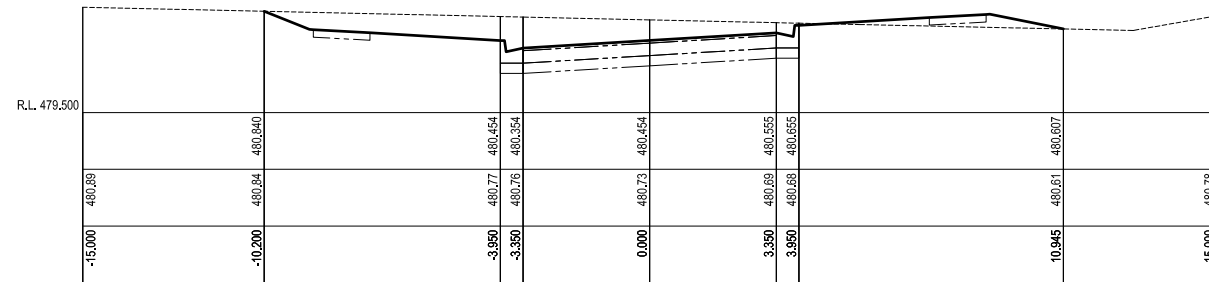




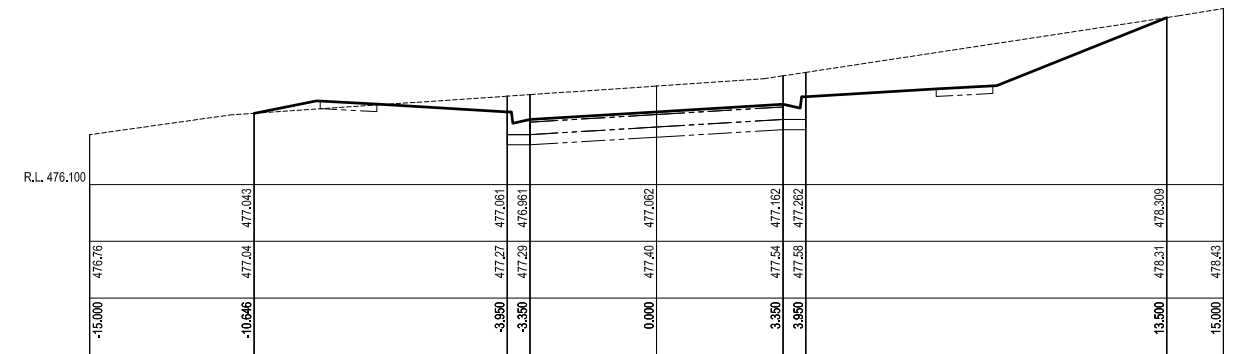
Ch 40.00



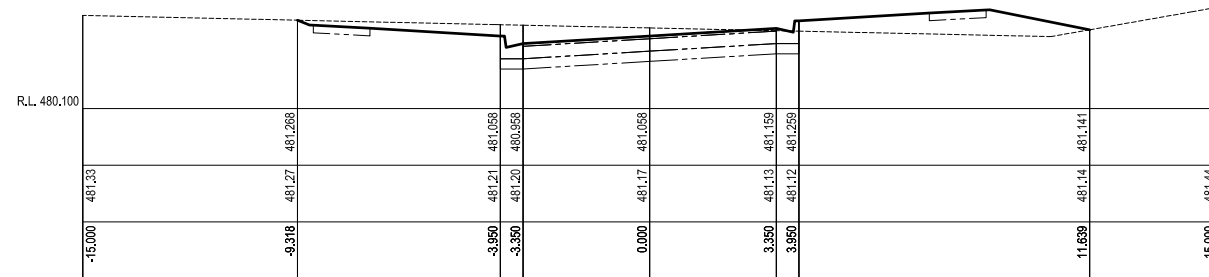
Ch 100.00



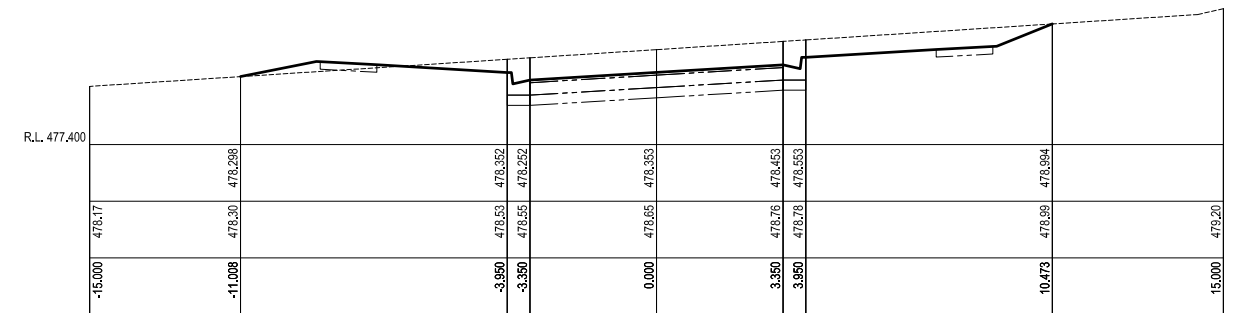
Ch 28.93 - TP CL



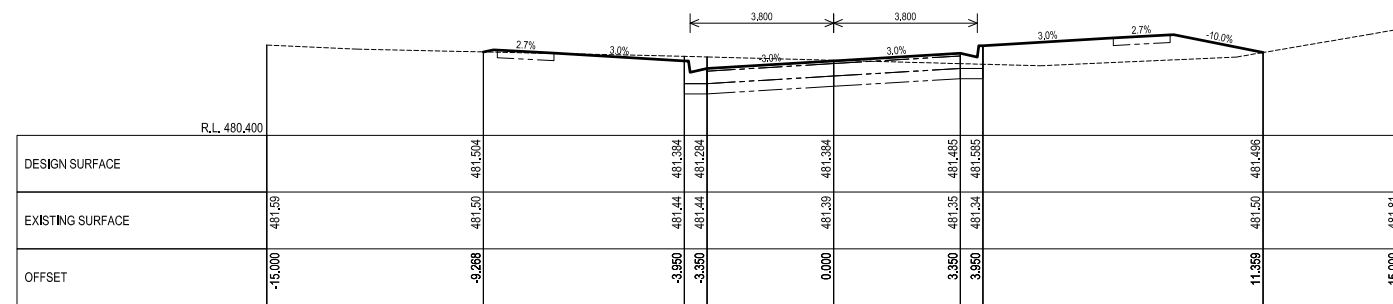
Ch 80.00



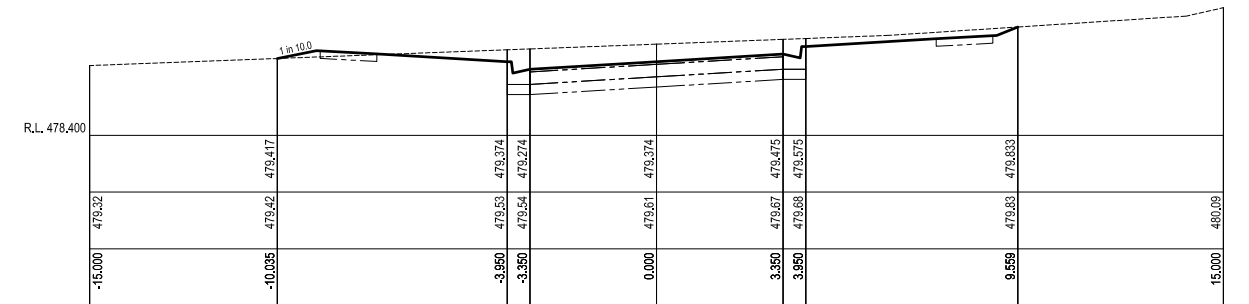
Ch 20.00



Ch 60.00



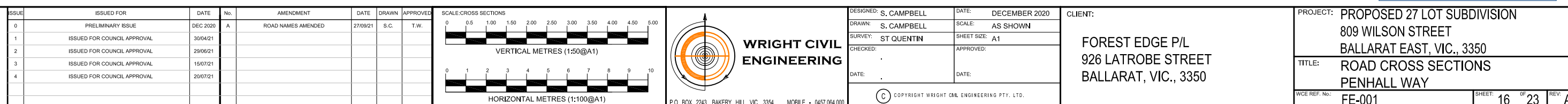
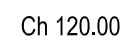
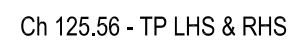
Ch 15.17 - TP LHS



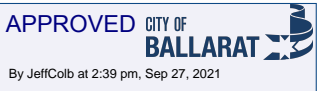
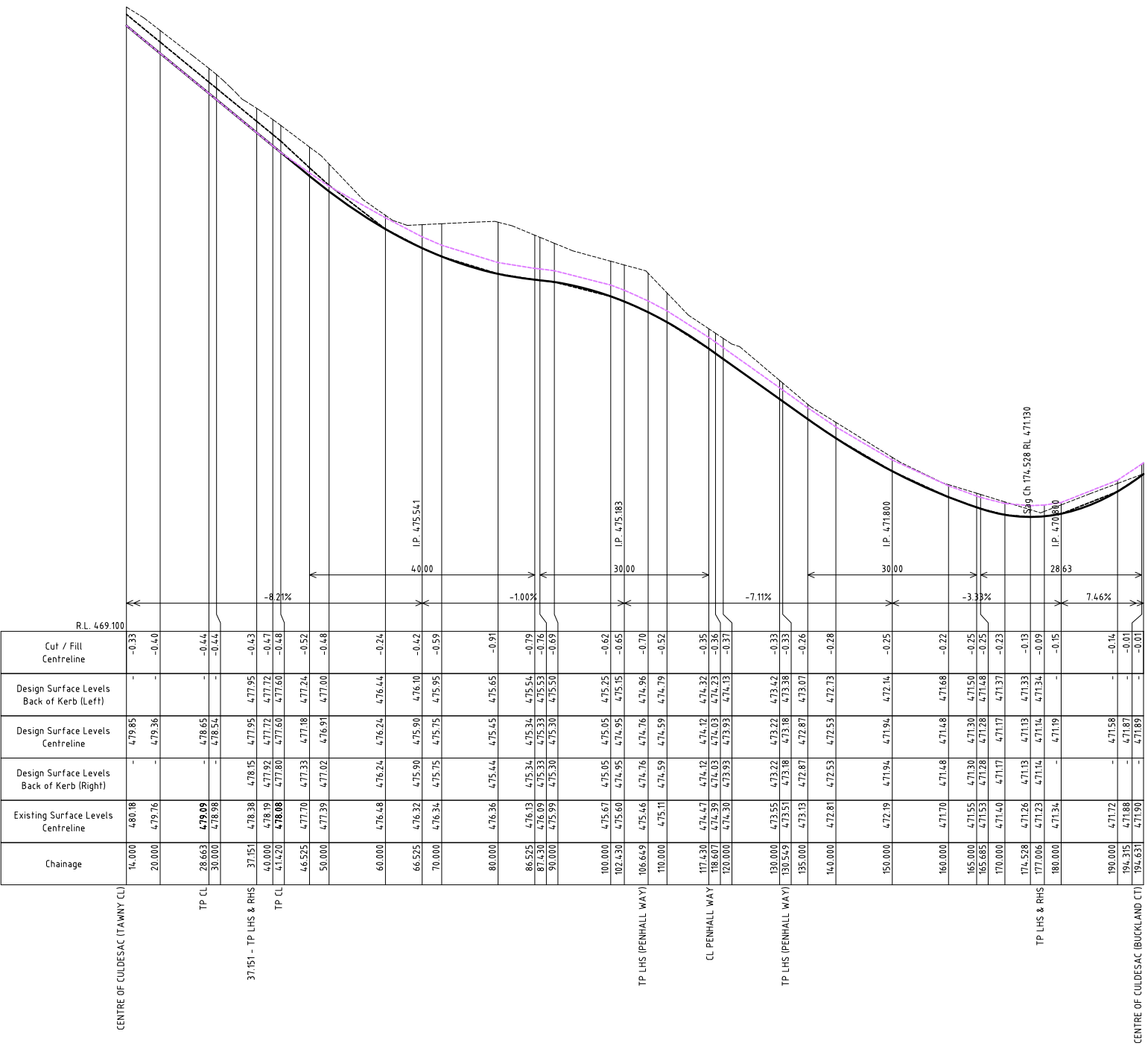
Ch 44.89 - TP CL



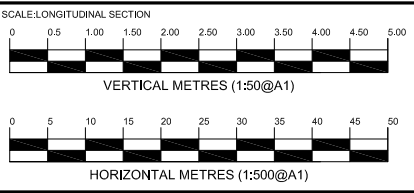
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	SCALE: CROSS SECTIONS	DESIGNED:	DATE:	CLIENT:	PROJECT:
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.	0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 VERTICAL METRES (1:50@A1)	S. CAMPBELL	DECEMBER 2020	FOREST EDGE P/L 926 LATROBE STREET BALLARAT, VIC., 3350	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
1	ISSUED FOR COUNCIL APPROVAL	30/04/21						0 1 2 3 4 5 6 7 8 9 10 HORIZONTAL METRES (1:100@A1)	S. CAMPBELL	AS SHOWN		TITLE: ROAD CROSS SECTIONS PENHALL WAY
2	ISSUED FOR COUNCIL APPROVAL	29/06/21							ST QUENTIN	SHEET SIZE: A1		WICE REF. No.: FE-001
3	ISSUED FOR COUNCIL APPROVAL	15/07/21							CHECKED:	APPROVED:		SHEET: 15 OF 23
4	ISSUED FOR COUNCIL APPROVAL	20/07/21							DATE:	DATE:		REV: A
									COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.			







ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

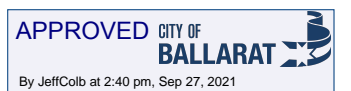
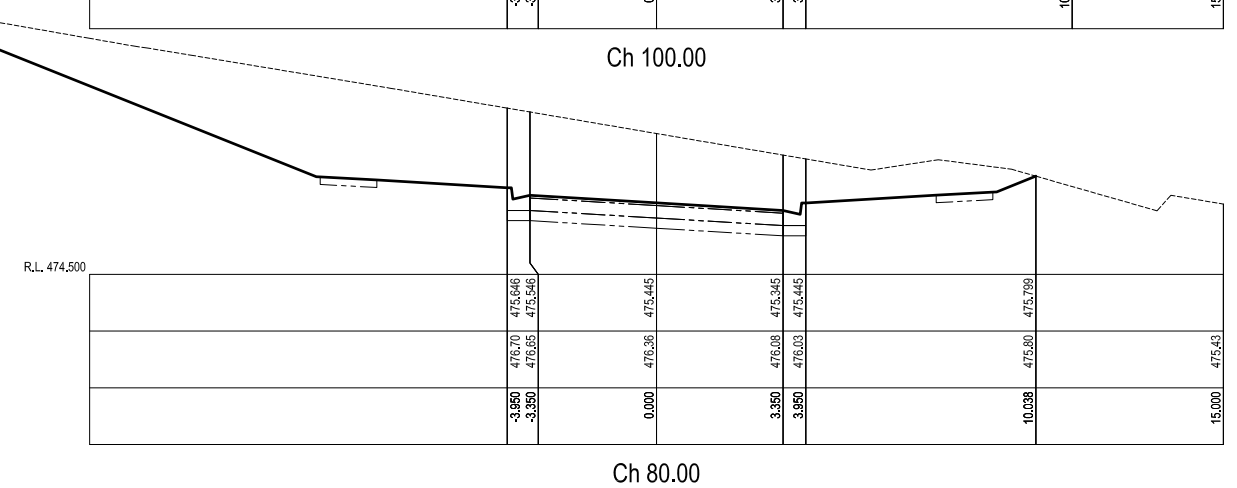
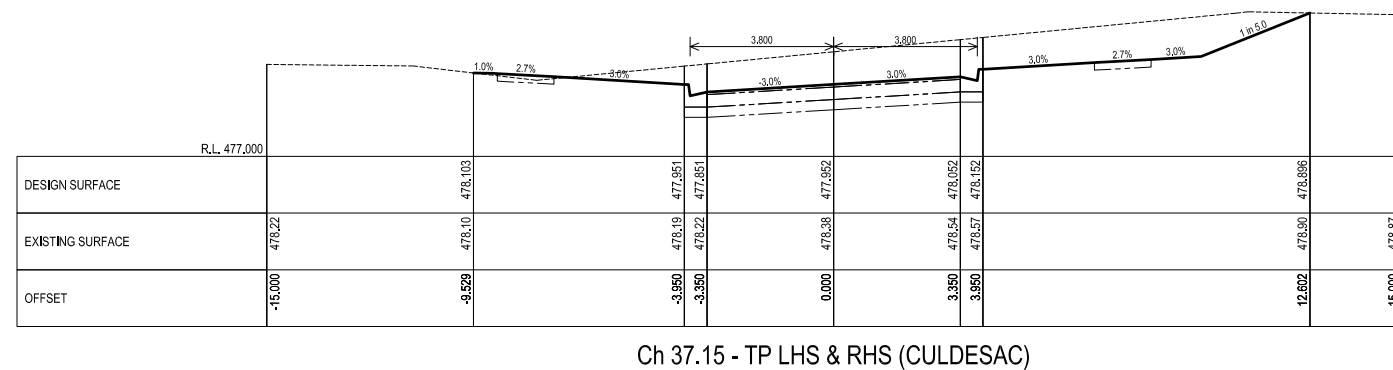
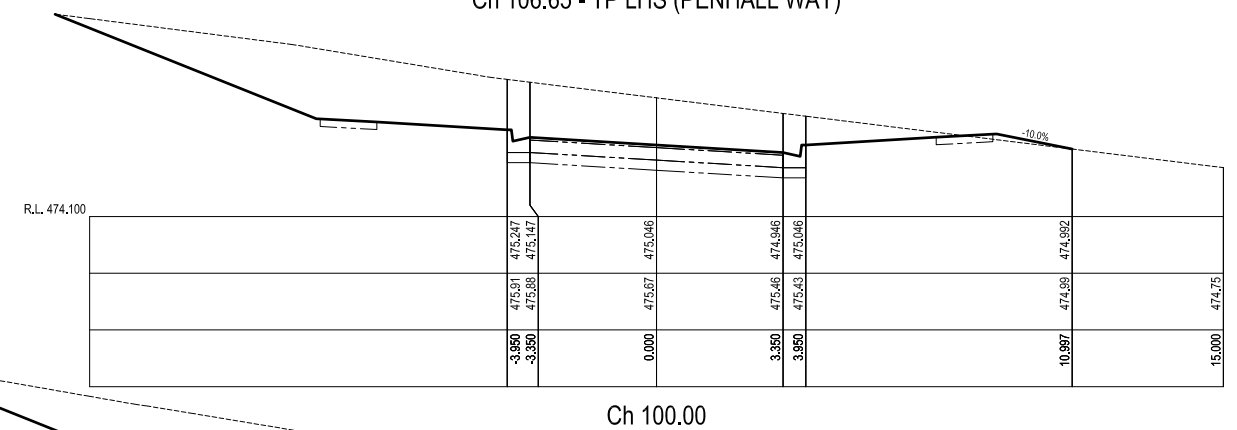
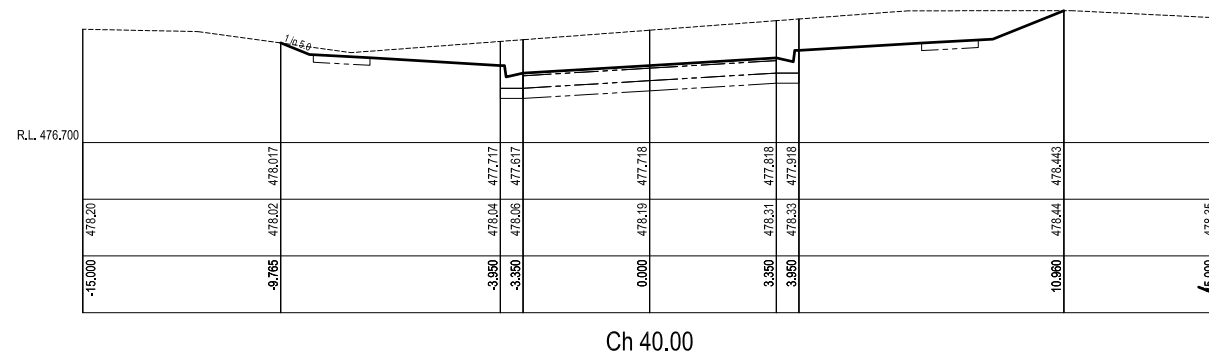
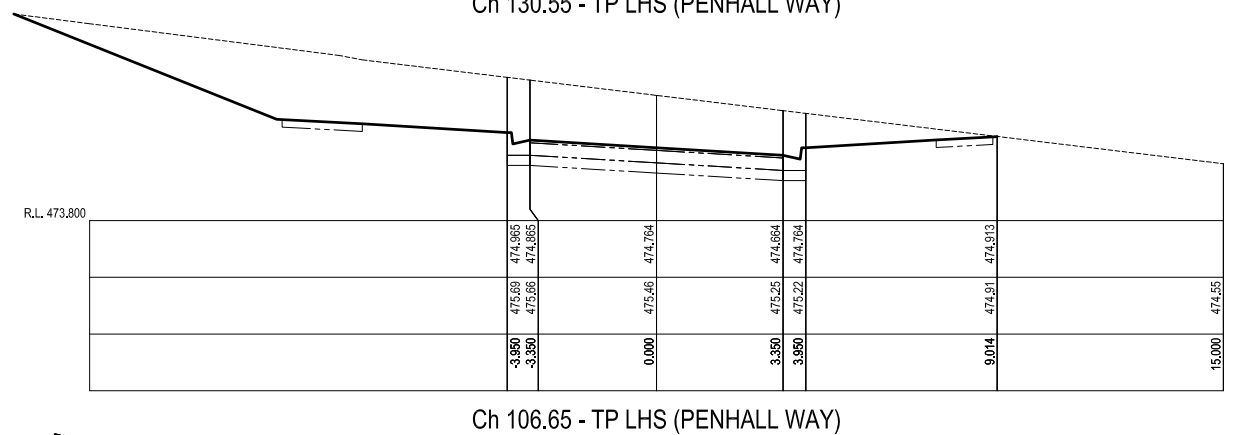
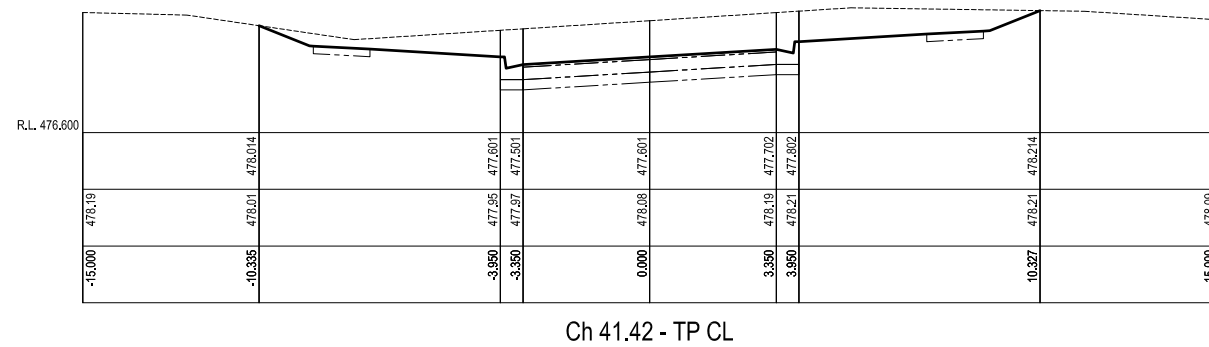
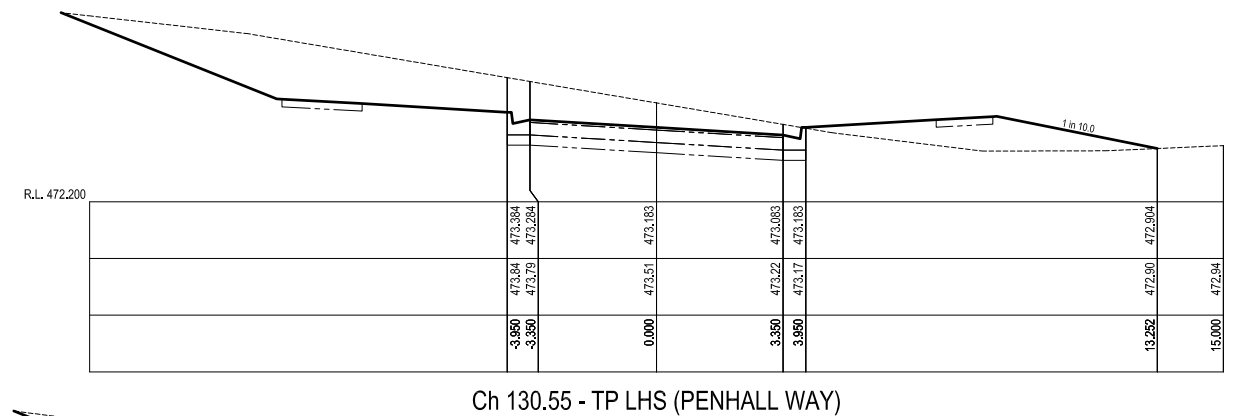
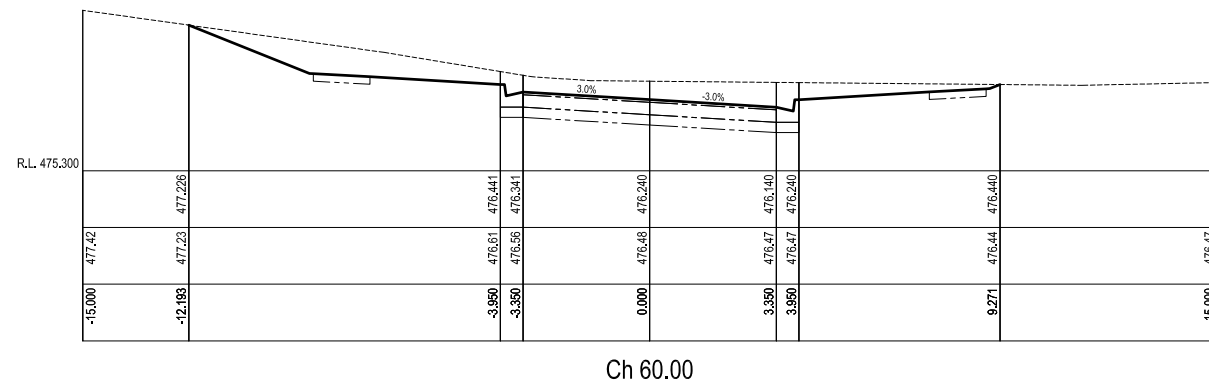






DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

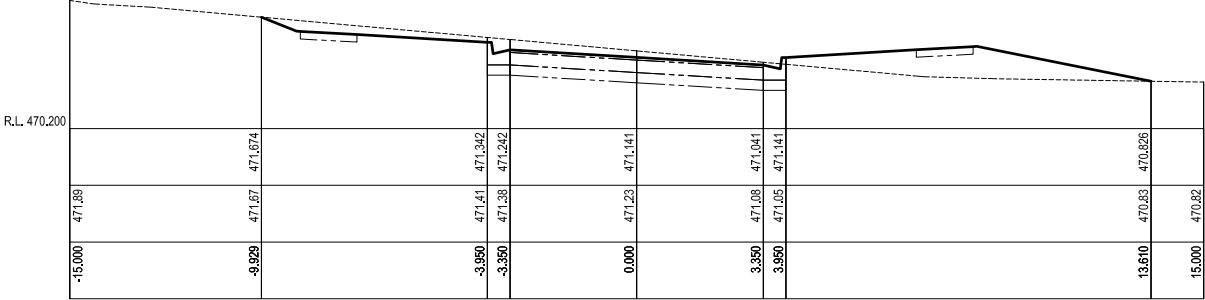
© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

CLIENT:
FOREST EDGE P/L
926 LATROBE STREET
BALLARAT, VIC., 3350

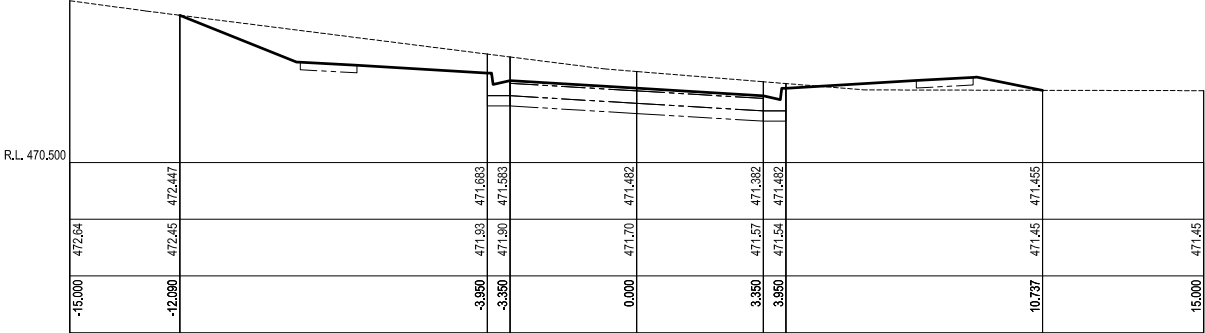
PROJECT:	PROPOSED 27 LOT SUBDIVISION
	809 WILSON STREET
	BALLARAT EAST, VIC., 3350
TITLE:	ROAD LONGITUDINAL SECTION
	BUCKLAND COURT - TAWNY CLOSE
WCE REF. No.:	FE-001
SHEET:	17 OF 23
REV:	A



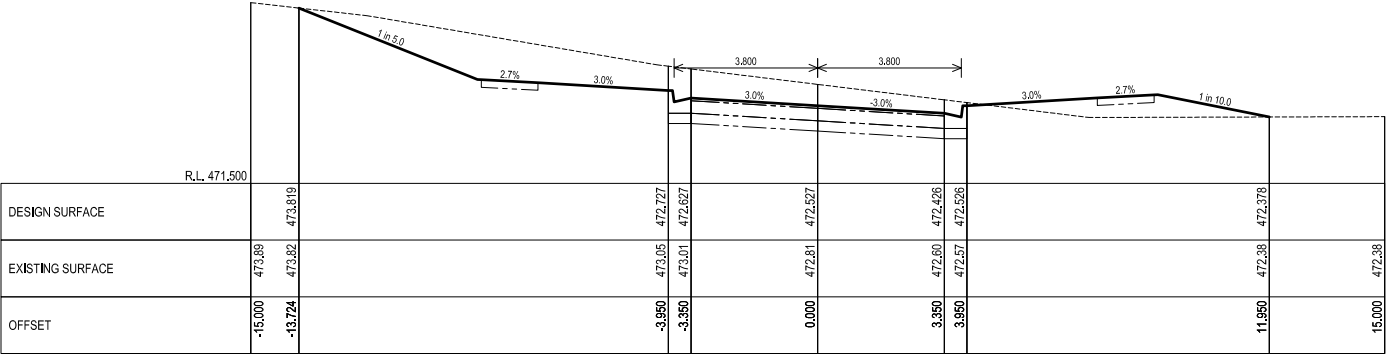
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	SCALE:CROSS SECTIONS	 <div>WRIGHT CIVIL ENGINEERING</div> <p>P.O. BOX 2243, BAKERY HILL VIC. 3354    MOBILE - 0457 064 000</p>	DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020	CLIENT:  FOREST EDGE P/L 926 LATROBE STREET BALLARAT, VIC., 3350	PROJECT: PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350	
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.	 <div>VERTICAL METRES (1:50@A1)</div>		DRAWN: S. CAMPBELL	SCALE: AS SHOWN		TITLE: ROAD CROSS SECTIONS BUCKLAND COURT - TAWNY CLOSE	
1	ISSUED FOR COUNCIL APPROVAL	30/04/21						 <div>HORIZONTAL METRES (1:100@A1)</div>		SURVEY: ST QUENTIN	SHEET SIZE: A1		WCE REF. No.: FE-001	
2	ISSUED FOR COUNCIL APPROVAL	29/06/21								CHECKED: .	APPROVED:			SHEET: 18 OF 23
3	ISSUED FOR COUNCIL APPROVAL	15/07/21								DATE: .	DATE:			
4	ISSUED FOR COUNCIL APPROVAL	20/07/21							 COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.					



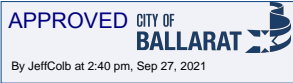
Ch 177.01 - TP LHS & RHS (CULDESAC)



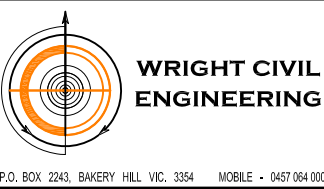
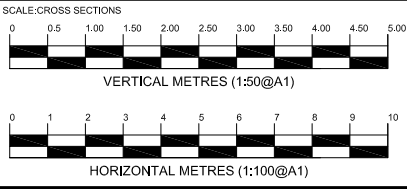
Ch 160.00



Ch 140.00



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					

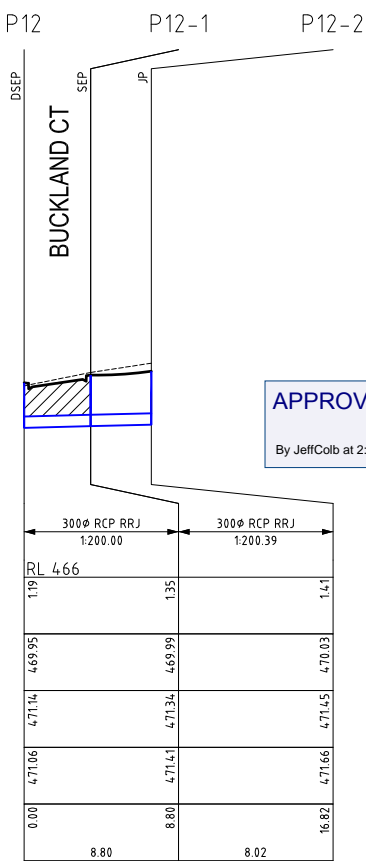
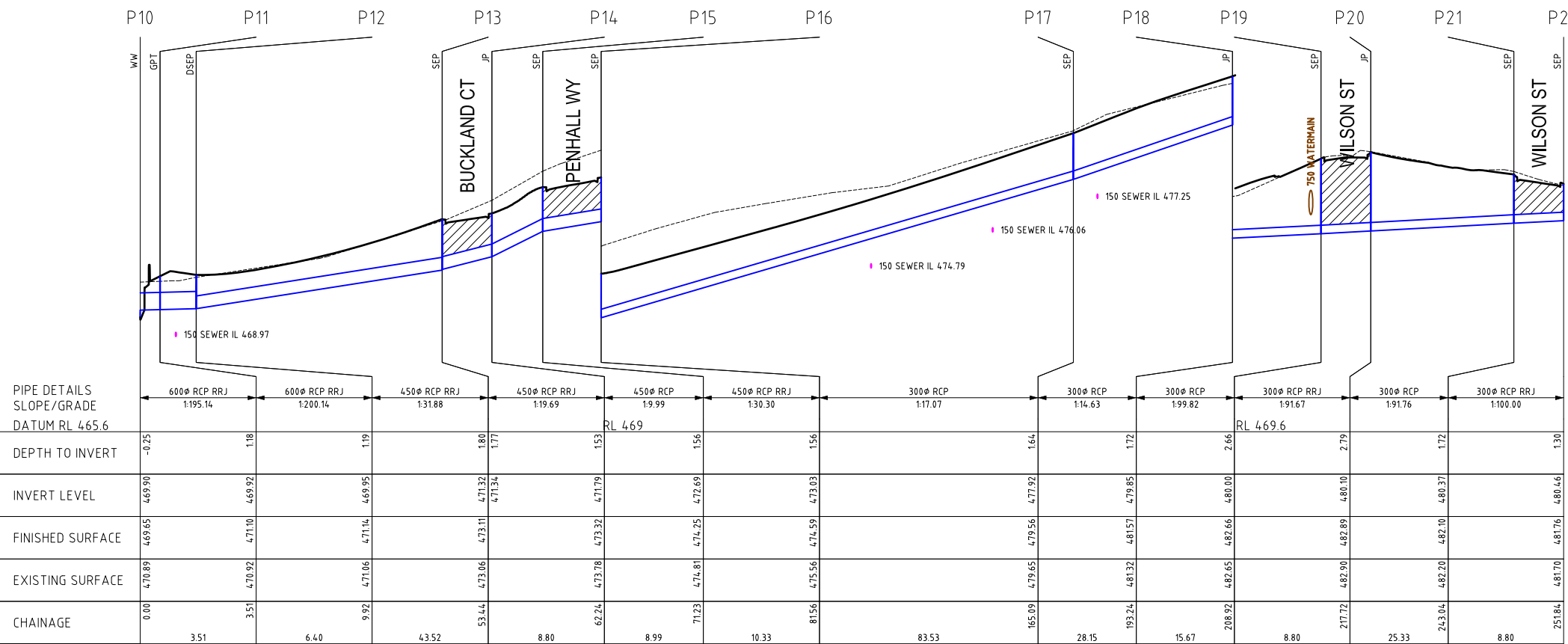
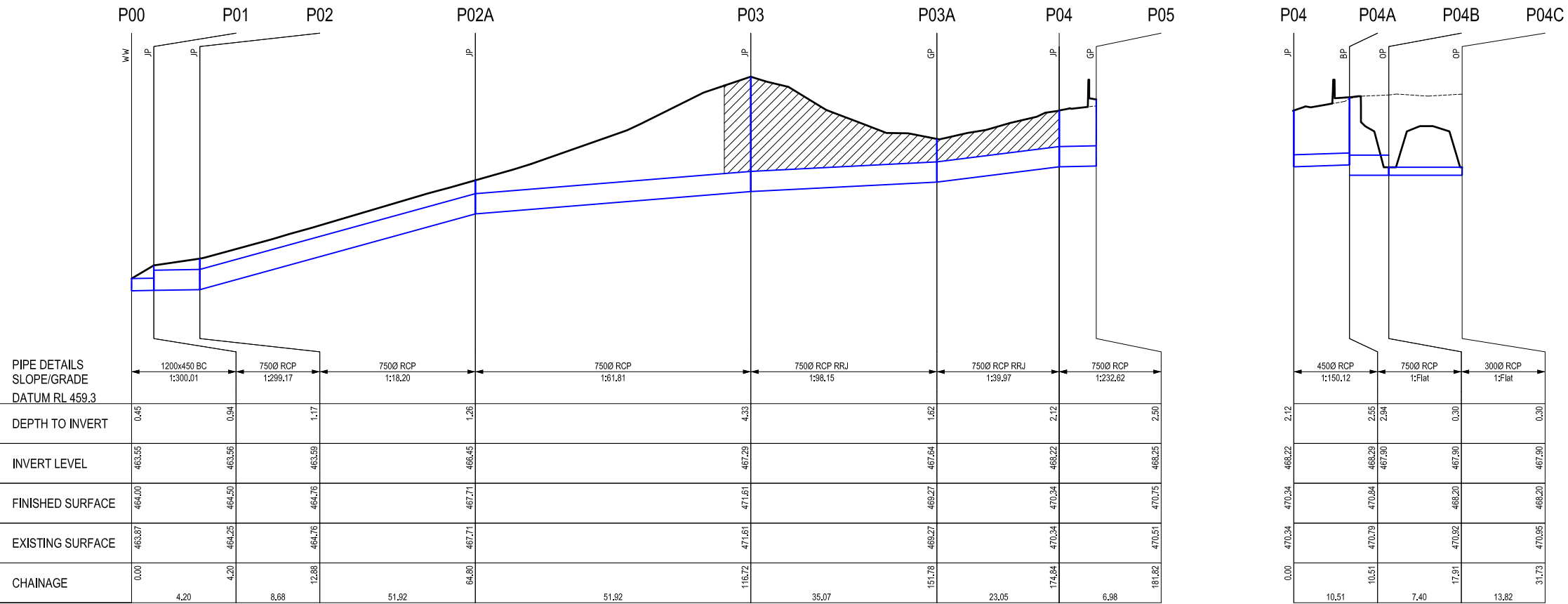


DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

© COPYRIGHT WRIGHT CIVIL ENGINEERING PTY. LTD.

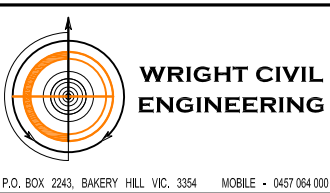
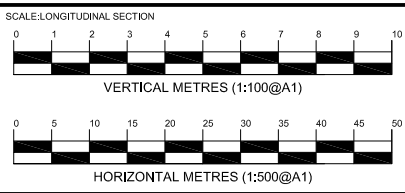
CLIENT:
FOREST EDGE P/L 926 LATROBE STREET BALLARAT, VIC., 3350

PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	ROAD CROSS SECTIONS BUCKLAND COURT - TAWNY CLOSE
WCE REF. No.:	FE-001
SHEET:	19 OF 23
REV:	A



APPROVED CITY OF BALLARAT  
By Jeff Colb at 2:40 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21					
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



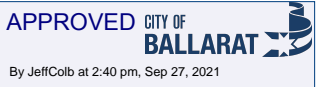
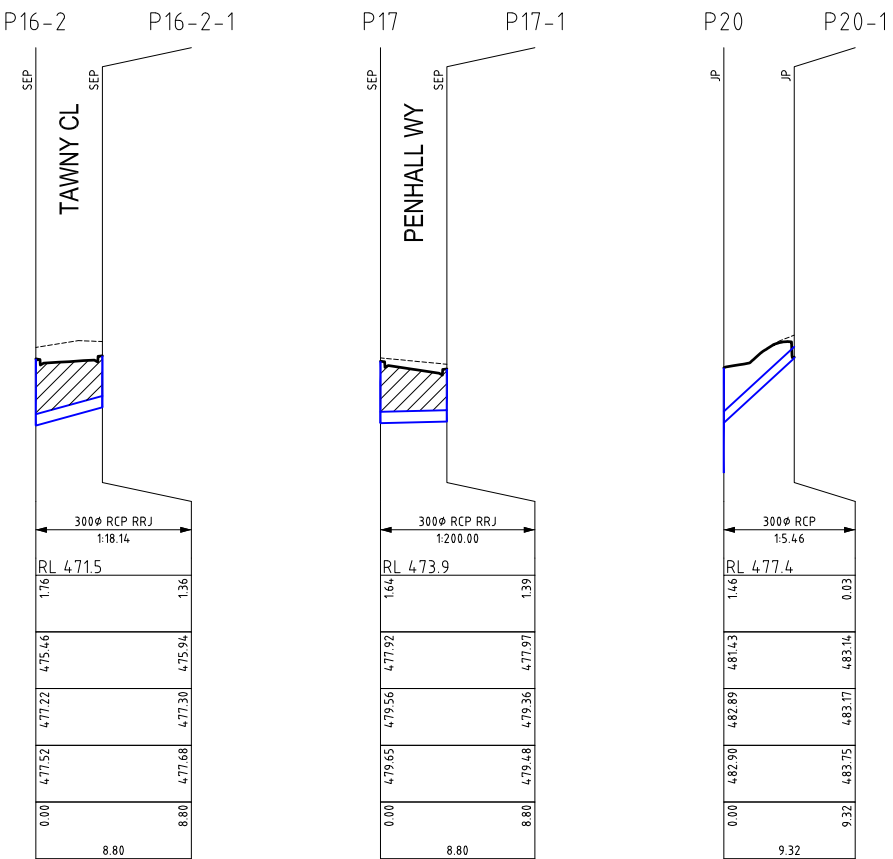
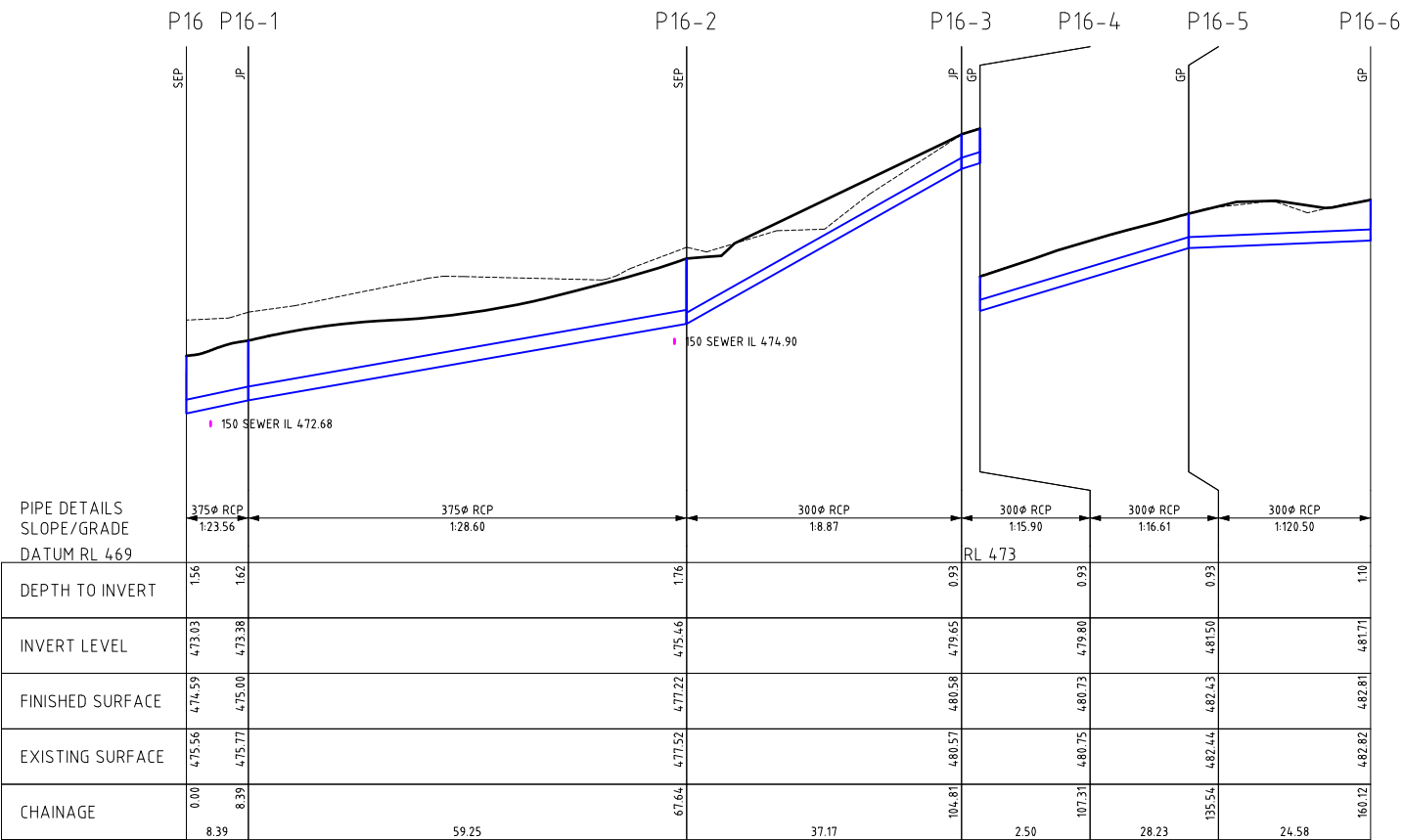
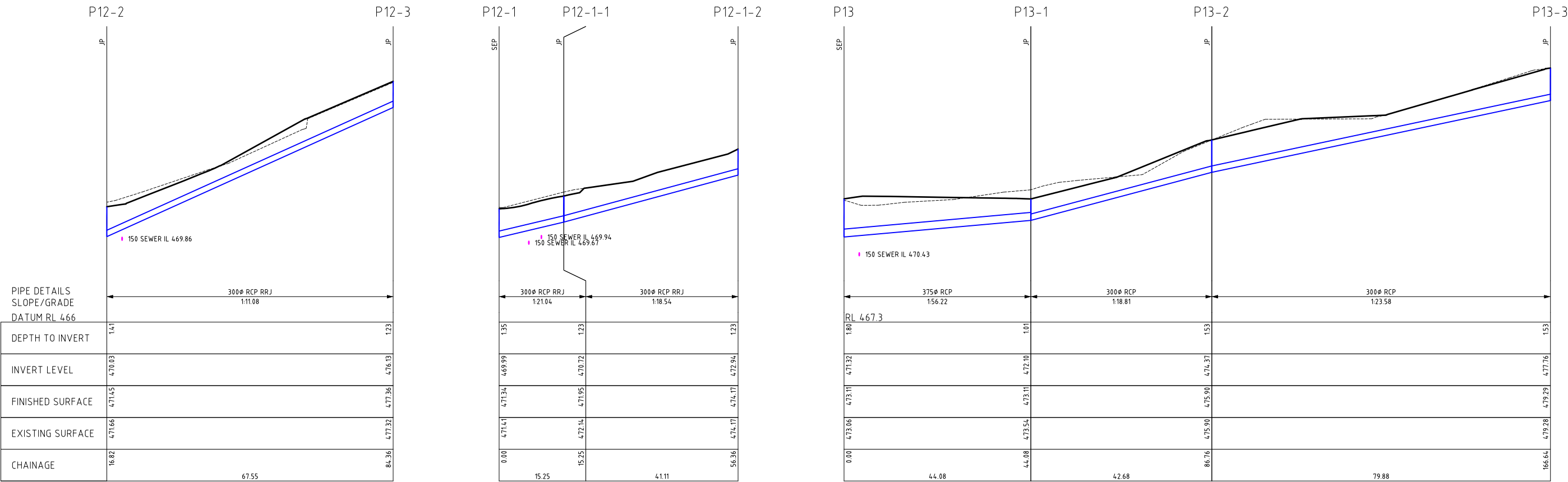
DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:

CLIENT:  
FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350

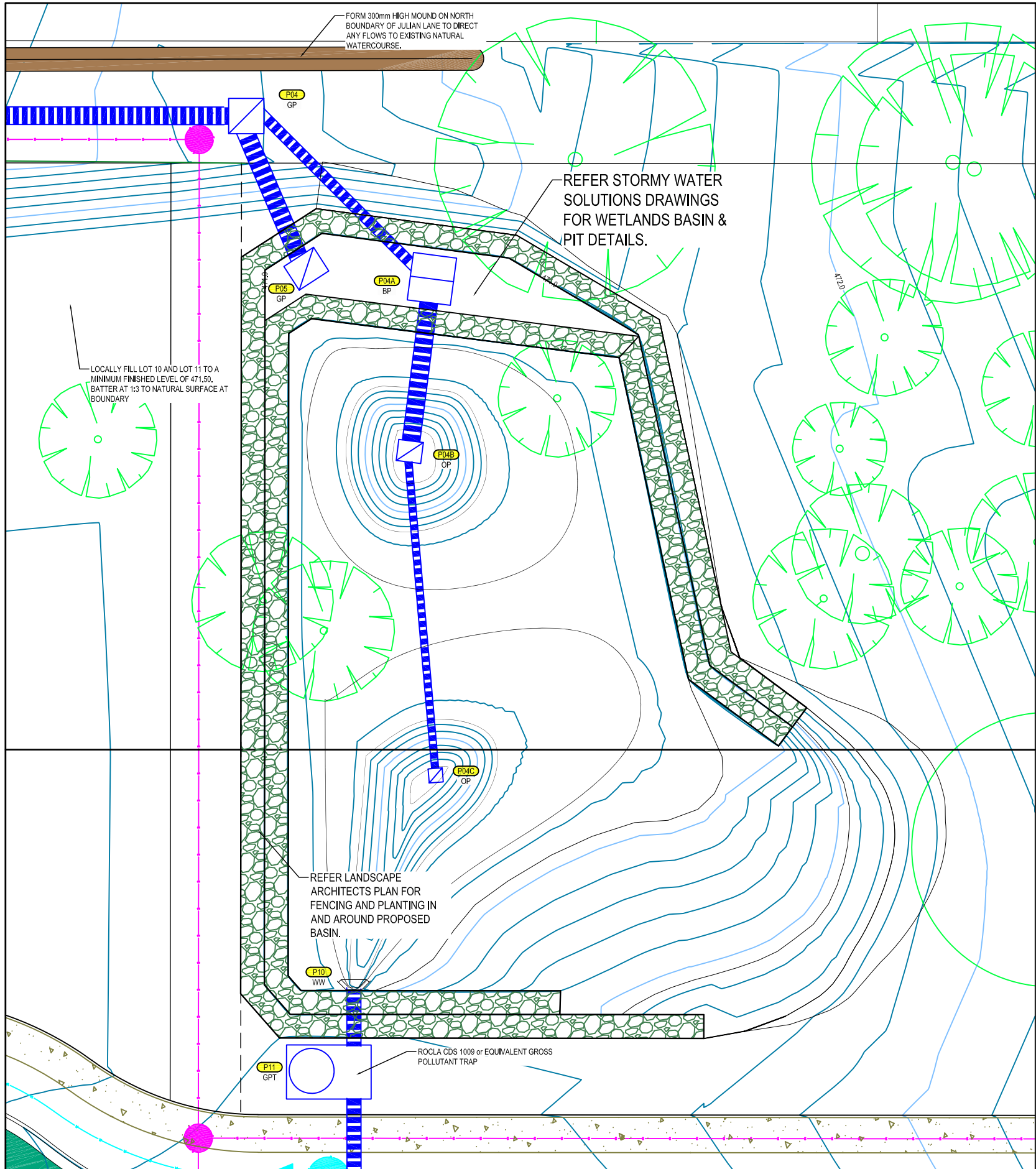
PROJECT: PROPOSED 27 LOT SUBDIVISION  
809 WILSON STREET  
BALLARAT EAST, VIC., 3350  
TITLE: DRAINAGE LONGSECTIONS

WCE REF. No.: FE-001	SHEET: 20 OF 23	REV: A
----------------------	-----------------	--------

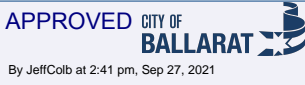




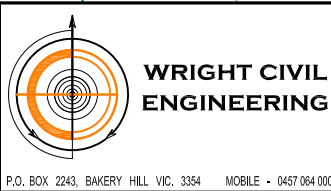
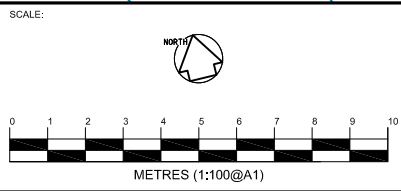
ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	SCALE: LONGITUDINAL SECTION	DESIGNED	DATE	CLIENT	PROJECT
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.	0 1 2 3 4 5 6 7 8 9 10 VERTICAL METRES (1:100@A1)	S. CAMPBELL	DECEMBER 2020	FOREST EDGE P/L 926 LATROBE STREET BALLARAT, VIC., 3350	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
1	ISSUED FOR COUNCIL APPROVAL	30/04/21						0 5 10 15 20 25 30 35 40 45 50 HORIZONTAL METRES (1:500@A1)	S. CAMPBELL	AS SHOWN		TITLE: DRAINAGE LONGSECTIONS
2	ISSUED FOR COUNCIL APPROVAL	29/06/21							ST QUENTIN	SHEET SIZE: A1		WCE REF. No.: FE-001
3	ISSUED FOR COUNCIL APPROVAL	15/07/21								APPROVED:		SHEET: 21 OF 23
4	ISSUED FOR COUNCIL APPROVAL	20/07/21								DATE:		REV: A



Pit Schedule													
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Comment	Comment	Easting	Northing
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)			(m)	(m)
P00	WINGWALL	-	-			1200x450	463.550	0.450	464.00			755619.34	5837737.85
P01	JUNCTION PIT	1750	900	1200x450	463.564	750	463.564	0.940	464.504		STEP IRONS	755615.53	5837738.21
P02	JUNCTION PIT	1050	1050	750	463.593	750	463.593	1.167	464.760		STEP IRONS	755607.62	5837738.74
P02A	JUNCTION PIT	1050	900	750	466.446	750	466.446	1.263	467.709		LADDER	755595.39	5837688.59
P03	JUNCTION PIT	1050	1050	750	467.286	750	467.286	4.328	471.614	HEAVY DUTY COVER	LADDER	755583.12	5837638.14
P03A	GRATED PIT	1050	900	750	467.643	750	467.643	1.624	469.267	HEAVY DUTY COVER	STEP IRONS	755616.37	5837630.07
P04	GRATED PIT (SWS PLANS)	1500	1500	750	468.220	450	468.220	2.119	470.339	HEAVY DUTY COVER	STEP IRONS	755638.77	5837624.63
						750	468.220						
P04A	BAFFLE PIT (SWS PLANS)	1900	1200	450	468.290	750	467.900	2.546	470.836		LADDER	755644.82	5837616.03
P04B	OPEN PIT (SWS PLANS)	900	900	750	467.900	300	467.900	0.300	468.200			755642.18	5837609.12
P04C	OPEN PIT (SWS PLANS)	600	600	300	467.900			0.300	468.200			755640.01	5837595.47
P05	GRATED PIT (SWS PLANS)	1500	1200	750	468.250			2.503	470.753		LADDER	755639.73	5837617.71
P10	WINGWALL	-	-			600	469.900	-	-			755634.48	5837587.43
P11	GPT (BY OTHERS)	-	-	600	469.918	600	469.918	1.179	471.097			755633.66	5837584.01
P12	DOUBLE SIDE ENTRY PIT	1800	900	600	469.950	450	469.950	1.194	471.144			755632.16	5837577.79
						300	469.950						
P12-1	SIDE ENTRY PIT	900	900	300	469.994	300	469.994	1.351	471.345		STEP IRONS	755630.08	5837569.23
						300	469.994						
P12-1-1	JUNCTION PIT	900	900	300	470.719	300	470.719	1.231	471.950		STEP IRONS	755614.90	5837567.83
P12-1-2	JUNCTION PIT	900	900	300	472.936			1.230	474.166		STEP IRONS	755604.75	5837527.99
P12-2	JUNCTION PIT	900	900	300	470.034	300	470.034	1.411	471.445		STEP IRONS	755637.87	5837567.34
P12-3	JUNCTION PIT	900	900	300	476.130			1.231	477.361		STEP IRONS	755621.98	5837501.69
P13	SIDE ENTRY PIT	900	900	450	471.315	375	471.315	1.800	473.115		STEP IRONS	755674.45	5837567.52
						450	471.340						
P13-1	JUNCTION PIT	600	900	375	472.099	300	472.099	1.010	473.109			755684.85	5837610.35
P13-2	JUNCTION PIT	900	900	300	474.368	300	474.368	1.531	475.899		STEP IRONS	755726.33	5837600.28
P13-3	JUNCTION PIT	900	900	300	477.756			1.531	479.287		STEP IRONS	755803.95	5837581.42
P14	JUNCTION PIT	900	900	450	471.787	450	471.787	1.529	473.316		STEP IRONS	755672.37	5837558.96
P15	SIDE ENTRY PIT	900	900	450	472.687	450	472.687	1.561	474.248		STEP IRONS	755679.07	5837552.97
P16	SIDE ENTRY PIT	900	900	450	473.028	300	473.028	1.561	474.589		STEP IRONS	755688.11	5837550.53
						375	473.028						
P16-1	JUNCTION PIT	900	900	375	473.384	375	473.384	1.616	475.000		STEP IRONS	755697.15	5837552.95
P16-2	SIDE ENTRY PIT	900	900	375	475.456	300	475.456	1.765	477.221		STEP IRONS	755754.72	5837538.96
						300	475.456						
P16-2-1	SIDE ENTRY PIT	900	900	300	475.941			1.361	477.302		STEP IRONS	755756.80	5837547.52
P16-3	JUNCTION PIT	600	900	300	479.645	300	479.645	0.931	480.576			755738.25	5837505.17
P16-4	GRATED JUNCTION PIT	600	900	300	479.802	300	479.802	0.731	480.533			755741.00	5837503.38
P16-5	GRATED JUNCTION PIT	600	900	300	481.502	300	481.502	0.931	482.233			755759.12	5837481.74
P16-6	GRATED JUNCTION PIT	600	900	300	481.706			0.900	482.606			755774.90	5837462.89
P17	SIDE ENTRY PIT	900	900	300	477.921	300	477.921	1.637	479.558		STEP IRONS	755668.71	5837469.53
						300	477.921						
P17-1	SIDE ENTRY PIT	900	900	300	477.965			1.391	479.356		STEP IRONS	755660.16	5837471.62
P18	JUNCTION PIT	900	900	300	479.845	300	479.845	1.723	481.568		STEP IRONS	755668.56	5837441.38
P19	SIDE ENTRY PIT	900	900	300	480.002	300	480.002	2.655	482.657		LADDER	755675.27	5837427.22
P20	JUNCTION PIT	900	900	300	480.098	300	481.430	2.787	482.885		LADDER	755673.23	5837418.66
						300	480.098						
P20-1	WINGWALL	-	-	300	483.138			-	-			755681.91	5837415.27
P21	SIDE ENTRY PIT	900	900	300	480.374	300	480.374	1.723	482.097		STEP IRONS	755648.37	5837423.51
P22	SIDE ENTRY PIT	900	900	300	480.462			1.299	481.761		STEP IRONS	755648.96	5837432.29



ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED
0	PRELIMINARY ISSUE	DEC 2020	A	PIT CO-ORDINATES AMENDED	06/08/21	S.C.	T.W.
1	ISSUED FOR COUNCIL APPROVAL	30/04/21	B	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.
2	ISSUED FOR COUNCIL APPROVAL	29/06/21					
3	ISSUED FOR COUNCIL APPROVAL	15/07/21					
4	ISSUED FOR COUNCIL APPROVAL	20/07/21					



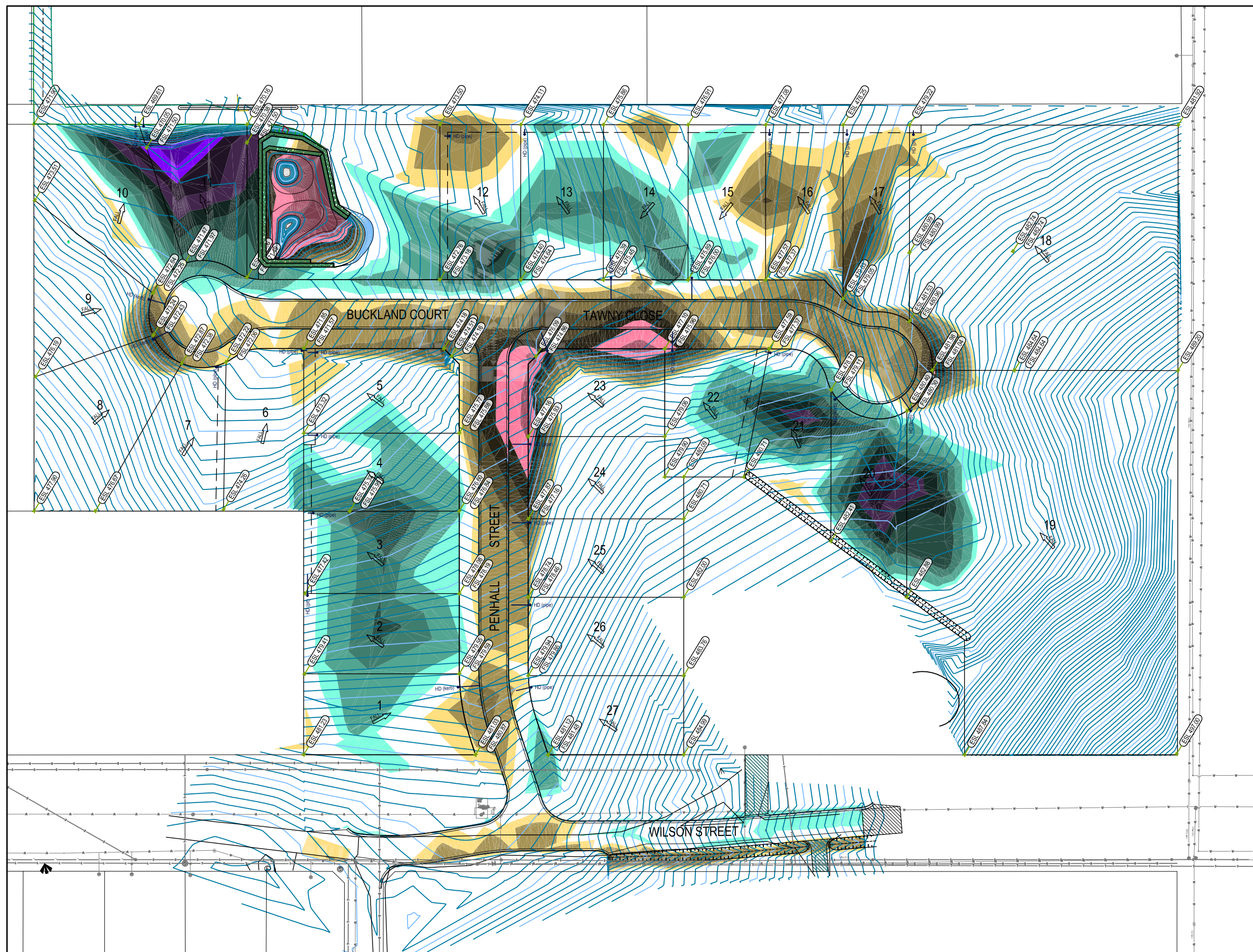
DESIGNED: S. CAMPBELL	DATE: DECEMBER 2020
DRAWN: S. CAMPBELL	SCALE: AS SHOWN
SURVEY: ST QUENTIN	SHEET SIZE: A1
CHECKED:	APPROVED:
DATE:	DATE:























CLIENT:

FOREST EDGE P/L  
926 LATROBE STREET  
BALLARAT, VIC., 3350



PROJECT:	PROPOSED 27 LOT SUBDIVISION 809 WILSON STREET BALLARAT EAST, VIC., 3350
TITLE:	DETENTION BASIN DETAILS and PIT SCHEDULE
WCE REF. No.:	FE-001
SHEET:	22 OF 23
REV:	B





Levels Table			
No.	Min. Level	Max. Level	Colour
1	-2,000	-1,800	
2	-1,800	-1,600	
3	-1,600	-1,400	
4	-1,400	-1,200	
5	-1,200	-1,000	
6	-1,000	-0,800	
7	-0,800	-0,600	
8	-0,600	-0,400	
9	-0,400	-0,200	
10	-0,200	-0,100	
11	0,100	0,200	
12	0,200	0,400	
13	0,400	0,600	
14	0,600	0,800	
15	0,800	1,000	
16	1,000	1,200	
17	1,200	1,400	
18	1,400	1,600	
19	1,600	1,800	
20	1,800	2,000	
21	2,000	2,200	
22	2,200	2,400	
23	2,400	2,600	

APPROVED CITY OF BALLARAT  
By JeffCoib at 2:41 pm, Sep 27, 2021

ISSUE	ISSUED FOR	DATE	No.	AMENDMENT	DATE	DRAWN	APPROVED	<p>SCALE:</p>  <p>0 5 10 15 20 25 30 35 40 45 50</p> <p>METRES (1:500@A1)</p>	 <p><b>WRIGHT CIVIL ENGINEERING</b></p> <p>P.O. BOX 2243, BAKERY HILL VIC. 3354 MOBILE - 0457 064 000</p>	<p>DESIGNED: S. CAMPBELL</p> <p>DRAWN: S. CAMPBELL</p> <p>SURVEY: ST QUENTIN</p> <p>CHECKED: .</p> <p>DATE: .</p>	<p>DATE: DECEMBER 2020</p> <p>SCALE: AS SHOWN</p> <p>SHEET SIZE: A1</p> <p>APPROVED: .</p> <p>DATE: .</p>	<p>CLIENT:</p> <p>FOREST EDGE P/L</p> <p>926 LATROBE STREET</p> <p>BALLARAT, VIC., 3350</p>	<p>PROJECT: PROPOSED 27 LOT SUBDIVISION</p> <p>809 WILSON STREET</p> <p>BALLARAT EAST, VIC., 3350</p> <p>TITLE: EARTHWORKS PLAN</p>	<p>WCE REF. No.: FE-001</p> <p>SHEET: 23 OF 23</p> <p>REV: A</p>
0	PRELIMINARY ISSUE	DEC 2020	A	ROAD NAMES AMENDED	27/09/21	S.C.	T.W.							
1	ISSUED FOR COUNCIL APPROVAL	30/04/21												
2	ISSUED FOR COUNCIL APPROVAL	29/06/21												
3	ISSUED FOR COUNCIL APPROVAL	15/07/21												
4	ISSUED FOR COUNCIL APPROVAL	20/07/21												