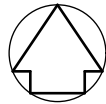


VICROADS MAP No. 571 R4



NTS

ROAD & DRAINAGE FUNCTIONAL LAYOUT PLANS

802RD-08-01	LOCALITY PLAN & GENERAL NOTES
802RD-08-02	GENERAL ARRANGEMENT
802RD-08-03	EARTHWORKS LAYOUT PLAN
802RD-08-03	ROAD & DRAINAGE LAYOUT PLAN
802RD-08-05	STANDARD DETAILS
802RD-08-06	FABRIENNE WAY LONGITUDINAL SECTION
802RD-08-07	CLARETTE DRIVE LONGITUDINAL SECTION
802RD-08-08	FABRIENNE WAY CROSS SECTIONS
802RD-08-09	CLARETTE DRIVE CROSS SECTIONS
802RD-08-10	DRAINAGE LONGITUDINAL SECTIONS
802RD-08-11	DRAINAGE PIT SCHEDULE AND HYDRAULIC INFORMATION
802RD-08-12	DRAINAGE CATCHMENT PLAN
802RD-08-13	SERVICES & CONDUIT PLAN

1. ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED
2. ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS APPROVED BY CITY OF BALLARAT.
3. THE CONTRACTOR SHALL NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.
4. THE CONSULTANT HAS MADE EVERY REASONABLE ATTEMPT TO LOCATE EXISTING SERVICES AND HAS SHOWN THESE ON THE DRAWINGS. PRIOR TO COMMENCING WORKS THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SERVICES BY SITE SURVEY INSPECTION AND CONSULTATION WITH ALL RELEVANT SERVING AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES, WHETHER SHOWN OR NOT.
5. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT OH&S REGULATIONS.
6. TWENTY-FOUR (24) HOURS NOTIFICATION TO INSPECTORS OF RELEVANT AUTHORITY IS REQUIRED PRIOR TO AN INSPECTION BEING CONDUCTED ON ANY PARTICULAR PORTION OF THE WORKS.
7. THE CONTRACTOR SHALL TAKE THE UTMOST CARE TO PRESERVE EXISTING SERVICES. NO TREES SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
8. ALL FILLING SHALL BE APPROVED MATERIAL COMPACTED IN 150mm MAXIMUM DEPTH LAYERS TO A DRY DENSITY OF NO LESS THAN 95% OF THE MAXIMUM DRY DENSITY OBTAINED FROM THE STANDARD COMPACTION TEST ALL FILLING IS TO COMPLY WITH AS3798 /2007, LEVEL 1, ONE SOIL DENSITY TEST PER LOT IS REQUIRED.
9. THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO THE ALLOTMENTS MUST BE MADE GOOD.
10. TITLE PEGS AND T.B.M.'s TO BE RE-ESTABLISHED BY A LICENCED SURVEYOR IF FOUND TO BE MISSING.
11. DISPOSAL OF EXCESS SPOIL, TRUCK ROUTE AND DISPOSAL LOCATION ARE TO BE APPROVED BY THE MUNICIPAL ENGINEERING DEPARTMENT.
12. AT THE COMPLETION OF WORKS ALL RUBBISH, DEBRIS AND SURPLUS SPOIL IS TO BE REMOVED AND ALL LOTS AND ROAD RESERVE TO BE LEFT IN A TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT

13. ALL STORMWATER AND CONDUIT TRENCHES UNDER ROAD PAVEMENT AND/OR KERB AND CHANNEL AND/OR FOOTPATH SHALL BE BACKFILLED WITH CLASS 3 CRUSHED ROCK AS SPECIFIED
14. STORMWATER DRAINS SHALL BE R.C.P. CLASS 2 RRJ UNLESS OTHERWISE SHOWN.
15. ALL CONDUIT LOCATIONS ARE TO BE MARKED ON FACE OF KERB AND CHANNEL WITH APPROPRIATE MARKING TOOLS.
16. ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS
17. ALL GRATES ARE TO BE HOT DIPPED GALVANISED
20. AGI DRAINS BEHIND ALL KERB & CHANNEL

THE FOLLOWING REPRESENTS THE MINIMUM NUMBER OF INSPECTIONS AND ARE CONSIDERED HOLD POINTS:

- PRE-START FOR CIVIL WORKS. PRE-START FOR LANDSCAPING WORKS.
- PRIOR TO COVERS BEING PLACED IN PITS.
- PRIOR TO PLACEMENT OF KERB AND CHANNEL.
- PRIOR TO POURING FOOTPATH (EXCLUDING CITY OF GREATER BENDIGO, WELLINGTON SHIRE, CENTRAL GOLDFIELDS SHIRE, BAW BAW SHIRE, MOIRA SHIRE AND PYRENEES SHIRE COUNCIL SEE WITNESS POINTS BELOW).
- AT PROOF-ROLLING OF SUB-GRADE, PRIOR TO PLACEMENT OF EACH PAVEMENT COURSE. PRIOR TO PLACEMENT OF THE PRIMER COAT.
- PRIOR TO THE PLACEMENT OF FIRST ASPHALT COURSE OR SEALING.
- PRIOR TO POURING CONCRETE ON REINFORCED CONCRETE STRUCTURES.
- PRIOR TO PLACEMENT OF GPT'S, LITTER TRAPS, PRECAST PUMPSTATIONS.
- PRIOR TO PLANTING OUT WETLANDS.
- PRIOR TO REMOVAL OF NATIVE VEGETATION AND OTHER EXISTING VEGETATION
- PRIOR TO PLANTING (LANDSCAPING).

THE FOLLOWING ARE WITNESS POINTS (COUNCIL ARE MADE AWARE OF THE WORKS BUT WORKS ARE NOT HELD UP AWAITING INSPECTION).

- PRIOR TO BACKFILLING STORMWATER DRAINS.
- PRIOR TO BACKFILLING SUBSOIL DRAINS.
- PRIOR TO POURING FOOTPATH (FOR GREATER BENDIGO CITY COUNCIL, WELLINGTON SHIRE, CENTRAL GOLDFIELDS SHIRE, MOIRA SHIRE AND PYRENEES SHIRE COUNCIL ONLY).

SERVICES	AUTHORITY & CONTACT	TELEPHONE
DRAINAGE	CITY OF BALLARAT	5320 5143
ELECTRICITY	POWERCOR	132 206
GAS	AUSNET	1800 088 208
TELECOMMUNICATIONS	TELSTRA	1800 653 935
TELECOMMUNICATIONS	NBN	1800 626 762
SEWER & WATER	CENTRAL HIGHLANDS WATER	1800 061 514

STREET	GAS		WATER		ELEC		TELECOMMUNICATIONS		SEWER				LIGHTING				TREES			
	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE
CLARETTE DRIVE	1.80m	WEST	2.30m	WEST	3.20m	EAST	2.70m	EAST	1.00m	EAST	-	-	4.00m	EAST	4.00m	WEST	4.20m	EAST	4.20m	WEST
FABIENCE WAY	0.60m	EAST	1.00m	EAST	3.10m	WEST	2.80m	WEST	1.00m	WEST	-	-	4.00m	EAST	4.00m	WEST	4.20m	EAST	4.20m	WEST

ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND



Quality Certified
Company
ISO9001:2008

REGISTRATION
No. COU001-CCQ0

--

07/09/2014

07/09/2014



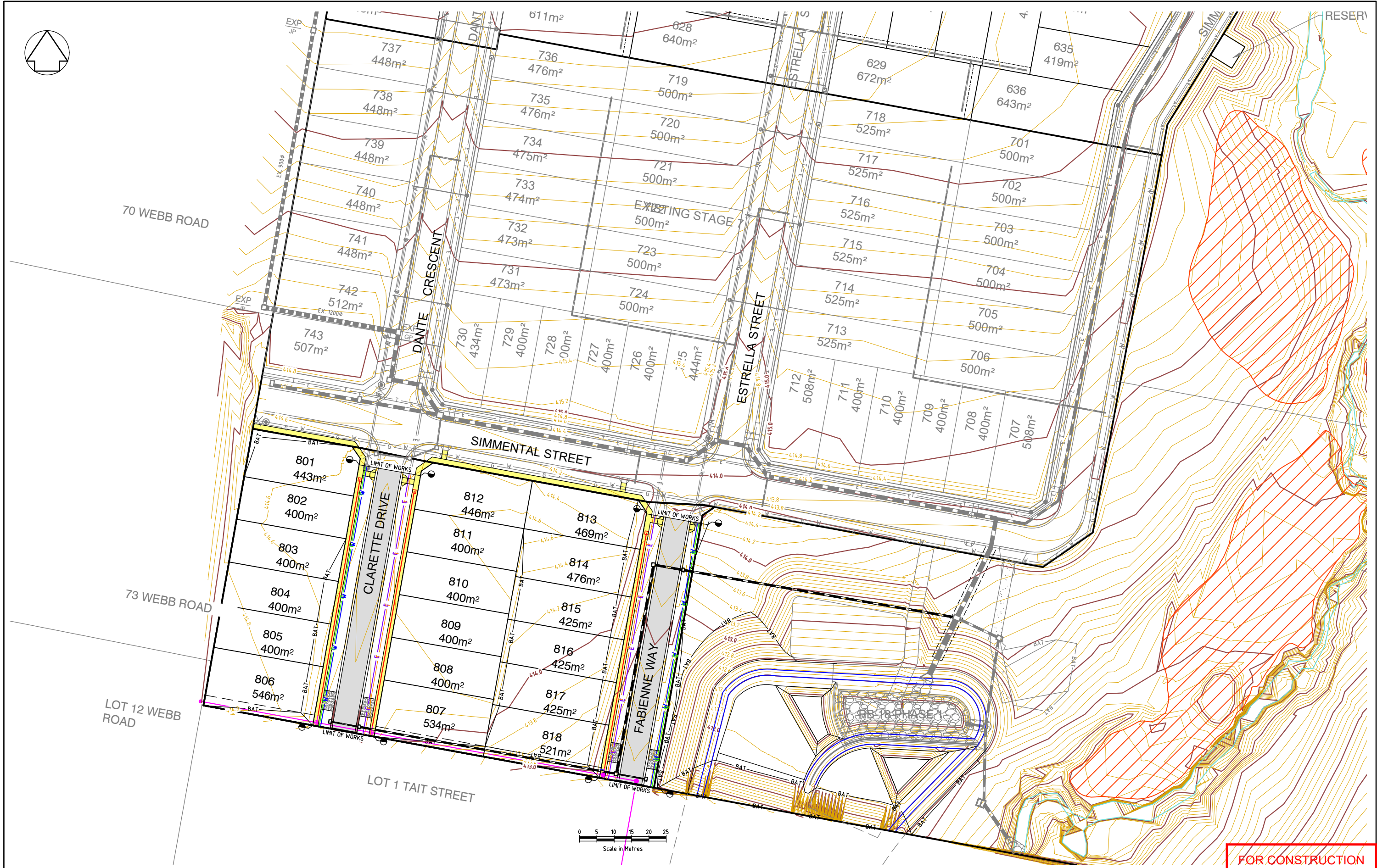
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BONSHAW PROJECTS PTY LTD

LOCALITY PLAN &
GENERAL NOTES

FOR CONSTRUCTION



ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND	
— — — — —	PROPOSED EASEMENT
— BAT —	PROPOSED BATTER
— — — — —	PROPOSED SEWER
— — — — —	EXISTING SEWER
— — — — —	PROPOSED STORMWATER DRAINAGE
— — — — —	EXISTING STORMWATER DRAINAGE
— — — — —	PROPOSED ROAD
— — — — —	PROPOSED FOOTPATH
— — — — —	CULTURALLY SENSITIVE AREA
— — — — —	PROPOSED WATER
— — — — —	PROPOSED GAS
— — — — —	PROPOSED ELECTRICITY
— — — — —	PROPOSED TELECOMS

DESIGNED: A MURPHY	SCALE: 1:500
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 6/09/24



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PROJECT: LOT 32 TAIT STREET FLORIAN STAGE 8
CLIENT: BONSHAW PROJECTS PTY LTD

CIVIL REF. No.: 802RD-08-02	SHEET: 2	REV: 1
DRAWING TITLE: GENERAL ARRANGEMENT		



73 WEBB ROAD

SIMMENTAL STREET

CLARETTE DRIVE

FABIENNE WAY














LOT 12 WEBB ROAD

LOT 1 TAIT STREET

0 2.5 5 7.5 10 12.5
Scale in Metres

FOR CONSTRUCTION

ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND	
	LOT CUT (GREATER THAN 300mm DEEP)
	LOT FILL (GREATER THAN 300mm DEEP)
	BATTERS
	PROPOSED EASEMENTS
	EXISTING STORMWATER DRAINAGE
	PROPOSED SEWER
	EXISTING SEWER
	LOT CUT (LESS THAN 300mm DEEP)
	LOT FILL (LESS THAN 300mm DEEP)
	FS:14.2.05 FINISHED SURFACE LEVEL
	ES:14.1.87 EXISTING SURFACE LEVEL
	SLOPE & FALL ARROW
	CULTURALLY SENSITIVE AREA

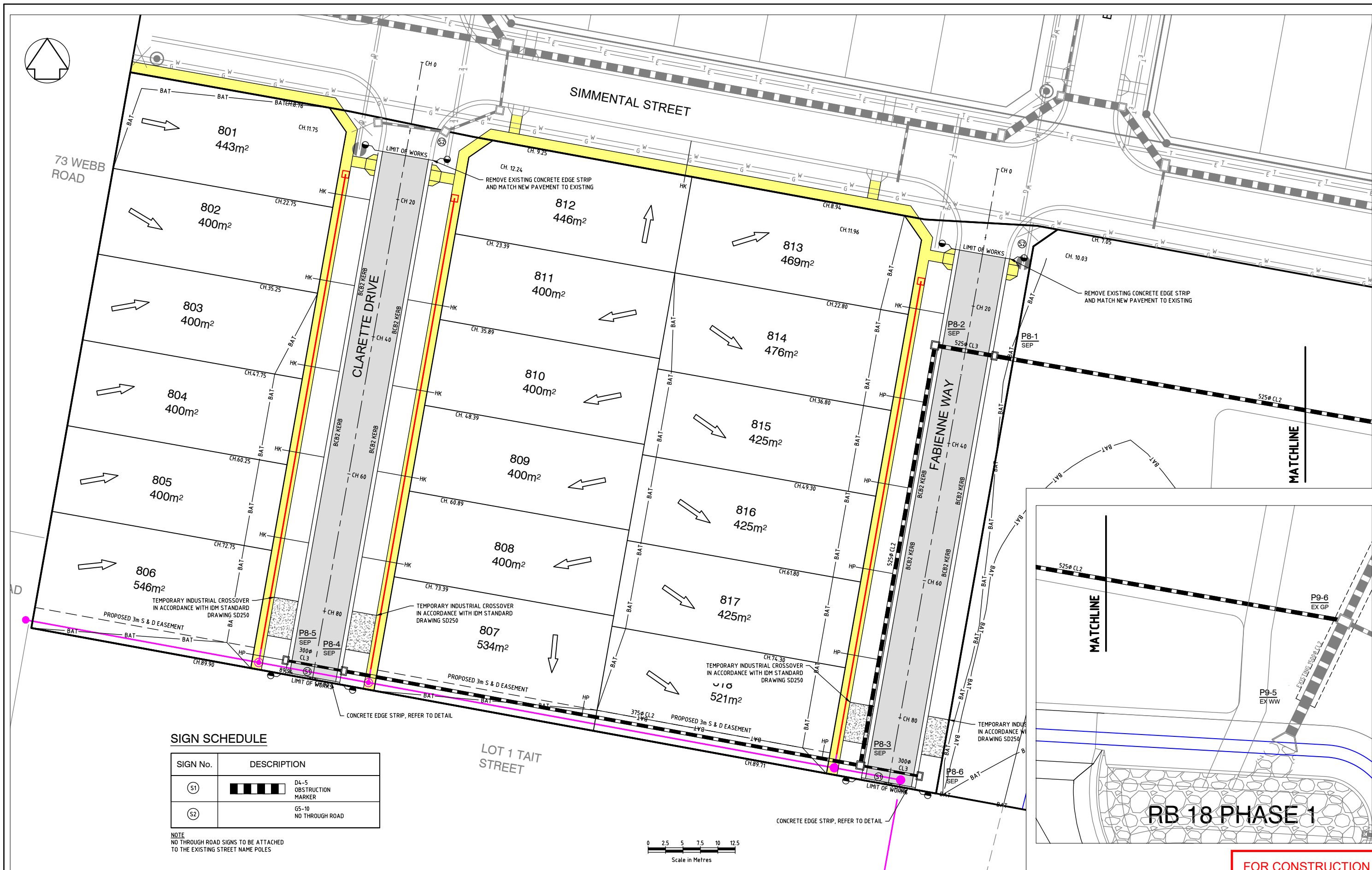


DESIGNED: A MURPHY	SCALE: 1:250
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 6/09/24



PROJECT: LOT 32 TAIT STREET FLORIAN STAGE 8
CLIENT: BONSHAW PROJECTS PTY LTD

CCIVIL REF. No.: 802RD-08-03	SHEET: 3	REV: 1
DRAWING TITLE: EARTHWORKS LAYOUT PLAN		



SIGN SCHEDULE

SIGN No.	DESCRIPTION
(S1)	D4-S OBSTRUCTION MARKER
(S2)	G5-10 NO THROUGH ROAD

NOTE
NO THROUGH ROAD SIGNS TO BE ATTACHED TO THE EXISTING STREET NAME POLES



ISSUE	DESCRIPTION	DATE
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C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND	
	LOT CUT (LOT GREATER THAN 200mm DEEP)
	LOT FILL (LOT GREATER THAN 200mm DEEP)
	BATTERS
	PROPOSED EASEMENTS
	EXISTING STORMWATER DRAINAGE
	PROPOSED STORMWATER DRAINAGE
	PROPOSED SEWER
	EXISTING SEWER
	FS:142.05 FINISHED SURFACE LEVEL
	ES:141.87 EXISTING SURFACE LEVEL
	SLOPE & FALL ARROW
	PROPOSED ROAD
	PROPOSED FOOTPATH
	CULTURALLY SENSITIVE AREA
	PROPOSED INDUSTRIAL CROSSOVER



DESIGNED: A MURPHY	SCALE: 1:250
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 6/09/24

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PROJECT:
**LOT 32 TAIT STREET
FLORIAN STAGE 8**
CLIENT:
BONSHAW PROJECTS PTY LTD

CCIVIL REF. No.: 802RD-08-04
SHEET: 4
REV: 1
DRAWING TITLE:
**ROAD & DRAINAGE
LAYOUT PLAN**

FOR CONSTRUCTION

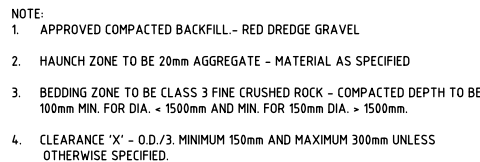


-
- TOP SOIL
- 150mm
- 100mm
- KERB & CHANNEL
- APPROVED 14mm N.S. AGGREGATE
- 300mm
- 100mm
- SUBGRADE LEVEL
- APPROVED 90mm CLASS 400 SLOTTED/PERFORATED SUBSOIL DRAIN WITH GEOTEXTILE SOCK SURROUND

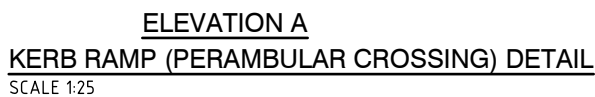
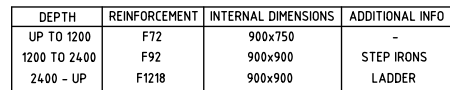
SCALE: NTS NOTES

-
- NOTE: SETOUT POINTS ARE TO THE CENTRE OF THE PIT-BASE UNLESS OTHERWISE INDICATED.
- 150 900 150
- FLOW
- "GATIC" CAST IRON LID WITH EXTENDED CONCRETE SURROUND OR APPROVED EQUIVALENT COVER.
- 1000 1000
- KERB WIDTH TRANSITION KERB WIDTH TRANSITION

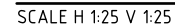
NOTE TO SCALE (DIMENSIONS IN mm)



SCALE: NTS



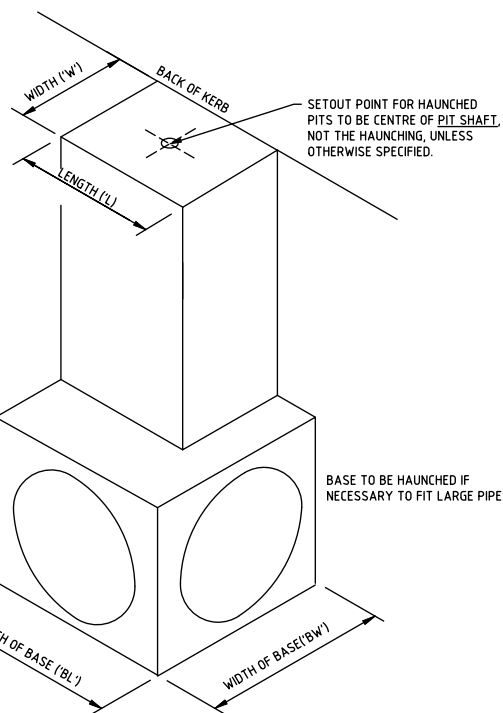
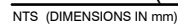
- NOT TO SCALE (DIMENSIONS IN mm)



NOT TO SCALE (DIMENSIONS IN mm)



SCALE H 1:20 V 1:20



NOT TO SCALE

LEGEND

DESIGNED:	A
CHECKED:	M
AUTHOR:	C

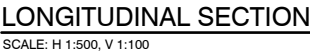


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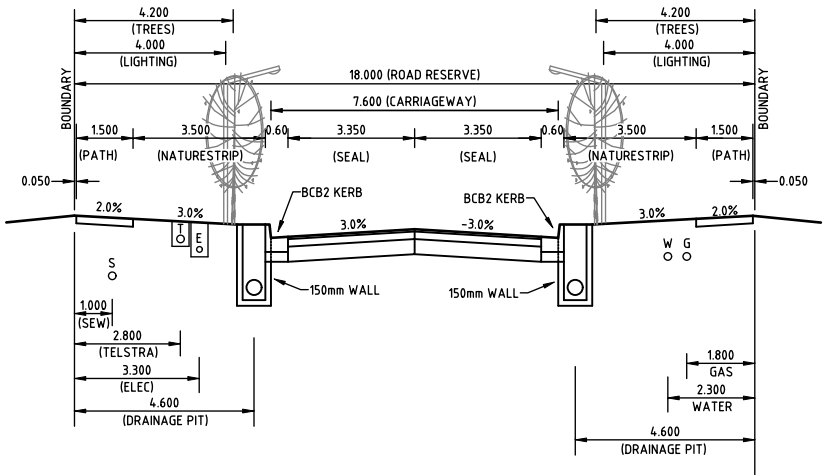
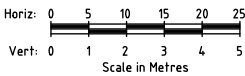
PROJECT:
LOT 32 TAIT STREET
FLORIAN STAGE 8

CLIENT:
BONSHAW PROJECTS PTY LTD





CIVIL REF. No.: 802RD-08-05	SHEET: 5	REV: 1
DRAWING TITLE:		
STANDARD DETAILS		



KARB SETOUT CLARETTE DRIVE			
POINT NO.	EASTING	NORTHING	DESIGN LEVEL
0 000	748550.043	5835236.705	4.16 406
10 000	7485448.290	5835226.860	4.16 250
11588	7485408.012	5835225.297	4.16 271
20 000	7485446.537	5835217.015	4.16 428
30 000	7485444.784	5835207.170	4.16 399
40 000	7485430.031	5835197.325	4.16 349
50 000	7485412.728	5835187.479	4.16 299
60 000	7485395.525	5835177.634	4.16 249
70 000	7485377.712	5835167.789	4.16 219
80 000	7485361.019	5835157.944	4.16 148
89 941	7485334.276	5835148.157	4.16 099

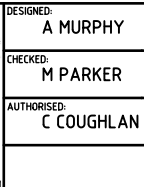


TYPICAL 18.0m ROAD RESERVE - CLARETTE DRIVE
SCALE: NTS

ISSUE	DESCRIPTION	DATE	LEGEND		DESIGNED: A MURPHY		SCALE: AS SHOWN	 AXIOM CONSULTING ENGINEERS ACN 100 526 458 W: axiomce.com.au E: admin@axiomce.com.au P: 03 5331 2688 6 Webster Street, Ballarat Victoria 3350	PROJECT:	CCIVIL REF. No.:	SHEET:	REV:
A	ISSUED FOR APPROVAL	13/10/20	DESIGN SURFACE (CENTRELINE)  EXISTING SURFACE  RIGHT LIP OF KERB  LEFT LIP OF KERB		CHECKED: M PARKER	SHEET SIZE: A1	LOT 32 TAIT STREET FLORIAN STAGE 8		802RD-08-07	7	1	
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020										
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24										
1	ISSUED FOR CONSTRUCTION	11/11/24										
					AUTHORISED: C COUGHLAN	DATE: 6/09/24		CLIENT: BONSHAW PROJECTS PTY LTD	CLARETTE DRIVE LONGITUDINAL SECTION			



 DESIGN SURFACE
 EXISTING SURFACE
 APPROVED COMPACTED FILL

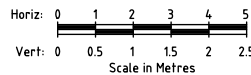
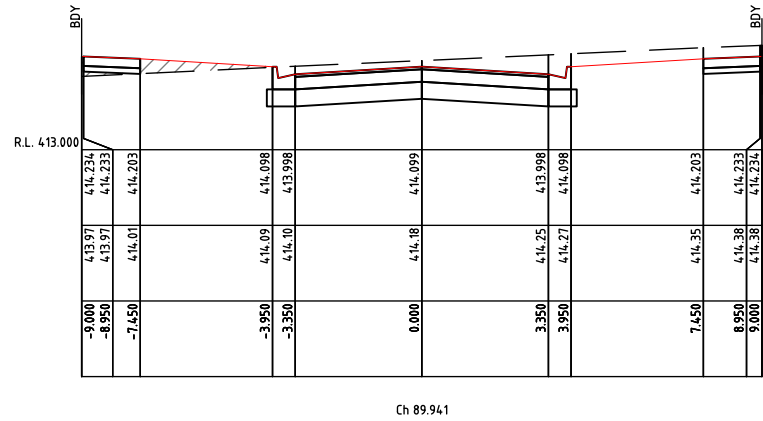
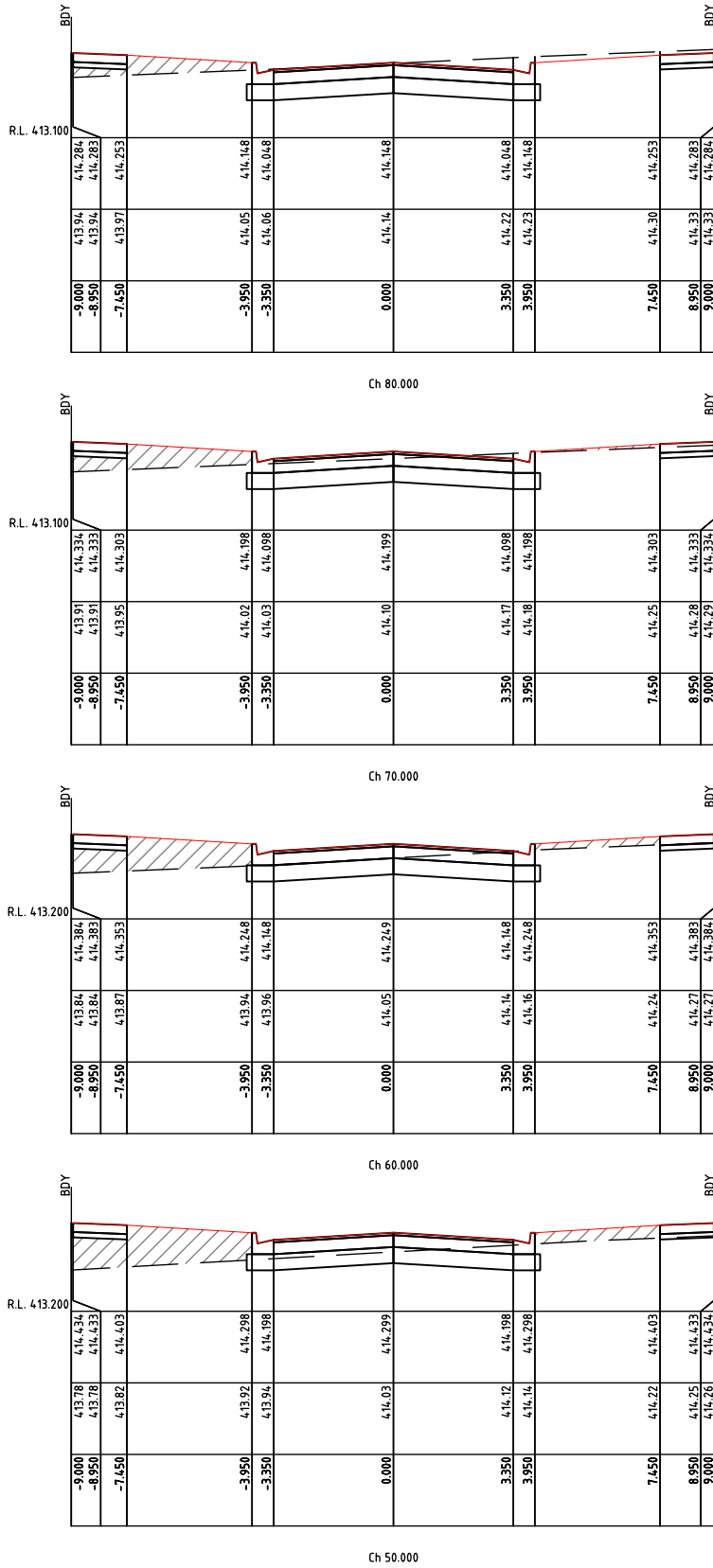
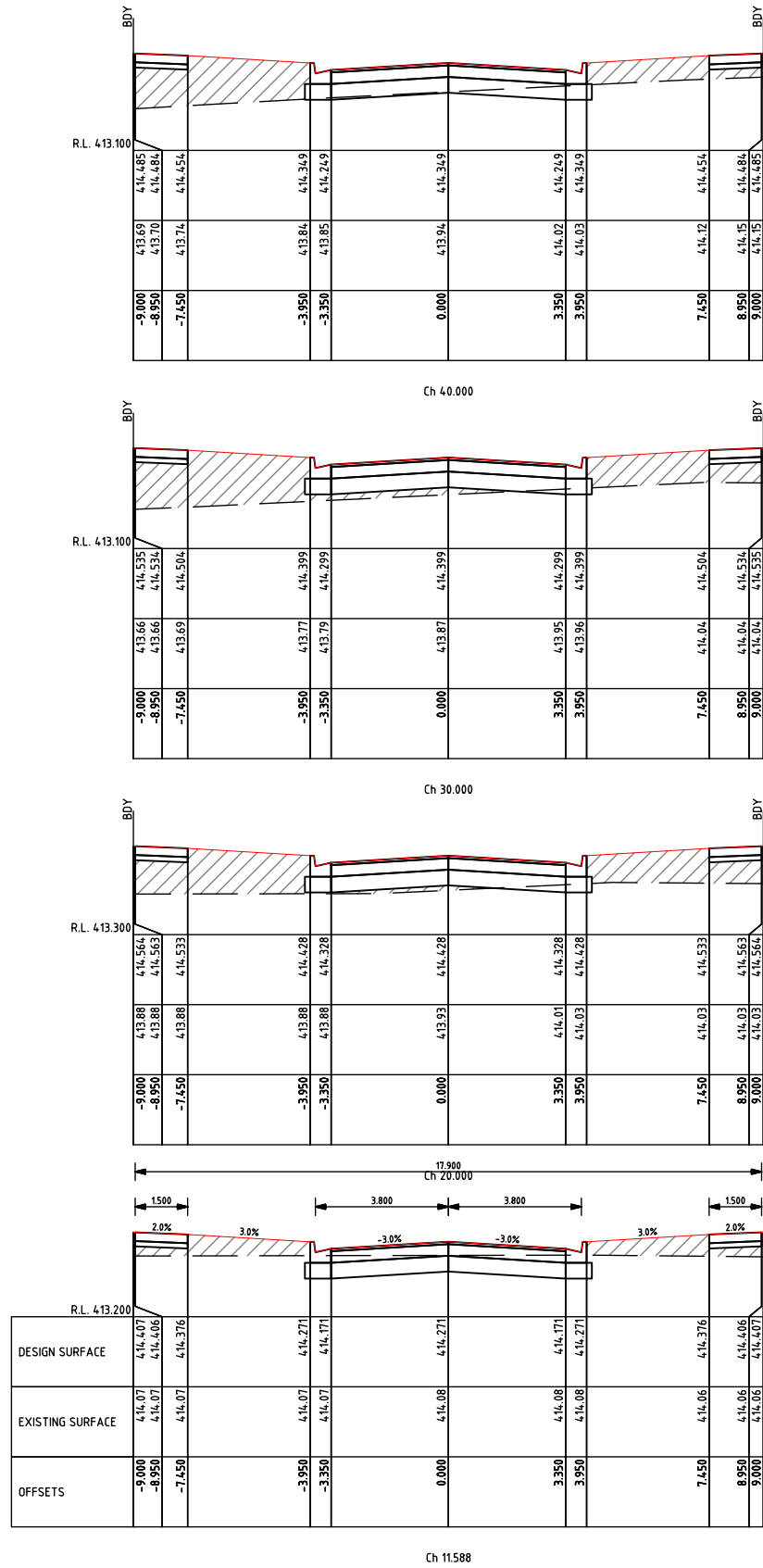


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CIVIL REF. No.: 802RD-08-08	SHEET: 8	REV: 1
DRAWING TITLE:		
<p style="text-align: center;">FABRIENNE WAY CROSS SECTIONS</p>		



ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	APPROVED COMPACTED FILL

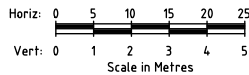
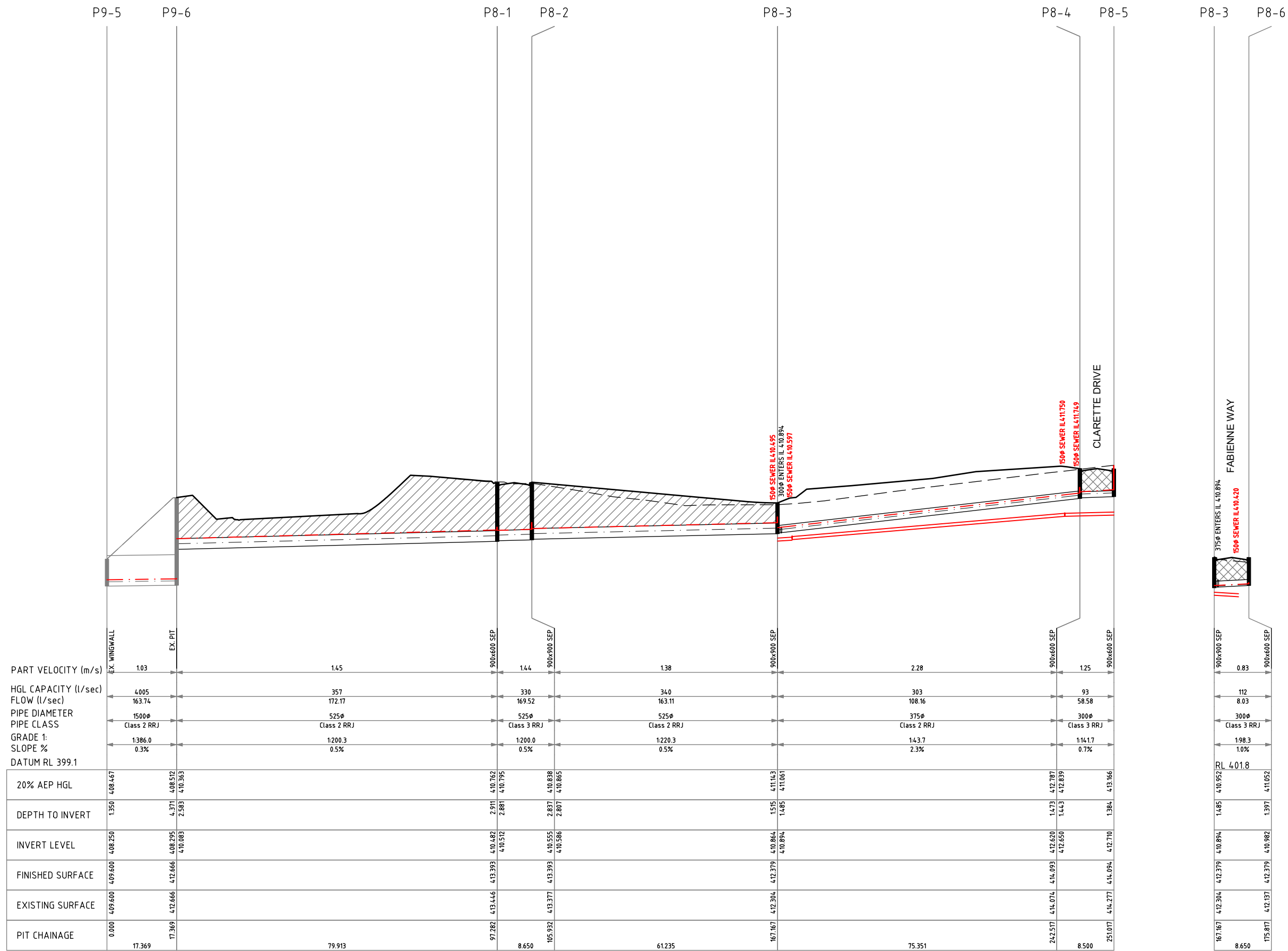


DESIGNED: A MURPHY	SCALE: H 1:100, V 1:50
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 6/09/24

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Ballarat Victoria 3350

PROJECT: LOT 32 TAIT STREET FLORIAN STAGE 8
CLIENT: BONSHAW PROJECTS PTY LTD

CCIVIL REF. No.: 802RD-08-09	SHEET: 9	REV: 1
DRAWING TITLE: CLARETTE DRIVE CROSS SECTIONS		



FOR CONSTRUCTION

ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND			
---	EXISTING SURFACE		NATURESTRIP/BEHIND KERB BACKFILL
---	DESIGN SURFACE		UNDER ROAD PAVEMENT BACKFILL
---	HYDRAULIC GRADE LINE 5% AEP		
---	HYDRAULIC GRADE LINE 1% AEP		



DESIGNED:	A MURPHY	SCALE:	H 1:500, V 1:100
CHECKED:	M PARKER	SHEET SIZE:	A1
AUTHORISED:	C COUGHLAN	DATE:	6/09/24

AXIOM CONSULTING ENGINEERS

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Ballarat Victoria 3350

PROJECT:	LOT 32 TAIT STREET FLORIAN STAGE 8
CLIENT:	BONSHAW PROJECTS PTY LTD



CCVIL REF. No:	802RD-08-10	SHEET:	10	REV:	1
DRAWING TITLE: DRAINAGE LONGITUDINAL SECTIONS					

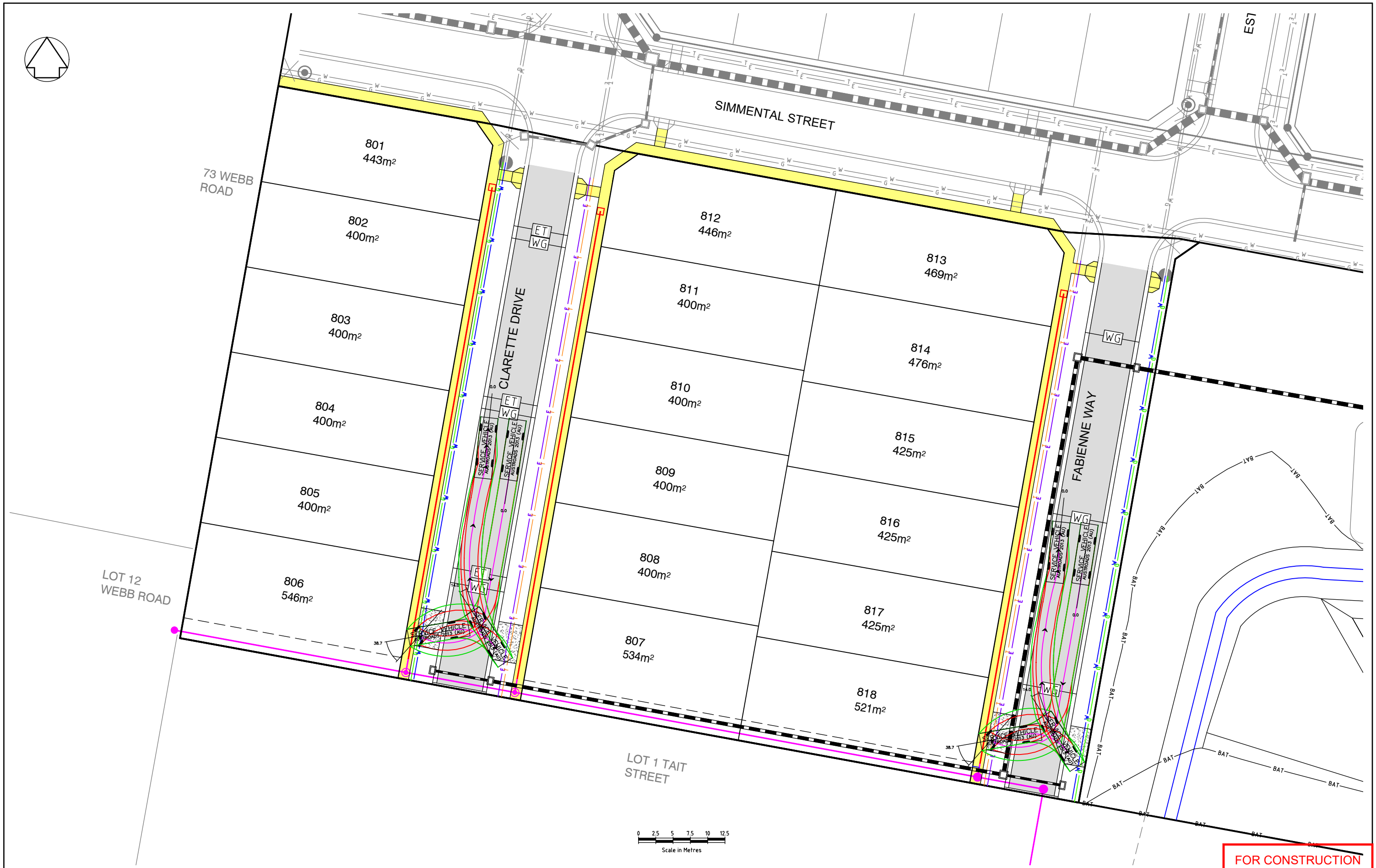
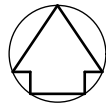
Pit Schedule - DRAINAGE													
Pit No.	Pit Type	Pit Width	Pit Length	Outlet Diameter	Outlet Invert RL	Inlet Diameter	Inlet Invert RL	Pit Depth	Pit Lid Level	Road Name	Easting	Northing	Standard Drawing
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)		(m)	(m)	
P8-1	Side-Entry Pits	900	600	525	410.482	525	410.512	2.911	413.393	CLARETTE DRIVE	748632.179	5835194.574	SD-P1-1
P8-2	Side-Entry Pits	900	900	525	410.555	525	410.586	2.837	413.393	FABIENNE WAY	748623.663	5835196.088	SD-P1-1
P8-3	Side-Entry Pits	900	900	525	410.864	375	410.894	1.515	412.379	CLARETTE DRIVE	748612.928	5835135.801	SD-P1-1
						300	410.894			FABIENNE WAY			
P8-4	Side-Entry Pits	900	600	375	412.620	300	412.650	1.473	414.093		748538.807	5835149.358	SD-P1-1
P8-5	Side-Entry Pits	900	600	300	412.710			1.384	414.094	FABIENNE WAY	748530.446	5835150.889	SD-P1-1
P8-6	Side-Entry Pits	900	600	300	410.982			1.397	412.379	FABIENNE WAY	748621.441	5835134.267	SD-P1-1
P9-5	EX. Endwall	900	900			1500	408.250	1.350	409.600		748703.230	5835164.570	
P9-6	EX. Grated Pit	900	900	1500	408.295	525	410.083	4.371	412.666		748710.790	5835180.207	

HGL Report - DRAINAGE Return Period: 5yrs Location: Tait Street														
Pipe Connecting Pits (Downstream Upstream)	Pipe Class	Pipe Diameter	Pipe Mannings n	Pipe Flow Time	Pipe Design Tc	Pipe Rainfall Intensity	Total Upstream Areas	Total Effective Areas	Total Pipe Flow	Pipe Part Velocity	Pipe Velocity Head	Pipe Friction Loss	Pipe Friction Loss	Pipe HGL Capacity
		(mm)		(min)	(min)	(mm/hr)	(Ha)	(Ha)	(l/s)	(m/s)	(m)	(m)	(m)	(l/s)
P9-5 P9-6	Class 2 RRJ	1500	0.013	0.281	7.424	77.129	1.019	0.764	163.739	1.030	0.000	0.000	0.000	4005.225
P9-6 P8-1	Class 2 RRJ	525	0.013	0.920	6.504	81.101	1.019	0.764	172.172	1.448	0.030	0.095	0.095	356.878
P8-1 P8-2	Class 3 RRJ	525	0.013	0.100	6.404	81.533	0.998	0.749	169.522	1.442	0.033	0.012	0.012	329.679
P8-2 P8-3	Class 2 RRJ	525	0.013	0.740	5.664	84.732	0.924	0.693	163.108	1.379	0.027	0.065	0.065	340.154
P8-3 P8-4	Class 2 RRJ	375	0.013	0.551	5.113	87.111	0.596	0.447	108.163	2.280	0.049	0.224	0.224	303.251
P8-3 P8-6	Class 3 RRJ	300	0.013	0.174	5.000	87.600	0.044	0.033	8.030	0.829	0.001	0.001	0.001	111.922
P8-4 P8-5	Class 3 RRJ	300	0.013	0.113	5.000	87.600	0.321	0.241	58.583	1.251	0.035	0.024	0.024	93.060

HGL Report - DRAINAGE Return Period: 100yrs Location: Tait Street														
Pipe Connecting Pits (Downstream Upstream)	Pipe Class	Pipe Diameter	Pipe Mannings n	Pipe Flow Time	Pipe Design Tc	Pipe Rainfall Intensity	Total Upstream Areas	Total Effective Areas	Total Pipe Flow	Pipe Part Velocity	Pipe Velocity Head	Pipe Friction Loss	Pipe Friction Loss	Pipe HGL Capacity
		(mm)		(min)	(min)	(mm/hr)	(Ha)	(Ha)	(l/s)	(m/s)	(m)	(m)	(m)	(l/s)
P9-5 P9-6	Class 2 RRJ	1500	0.013	0.223	7.084	168.494	1.019	0.764	357.699	1.297	0.002	0.000	0.000	4005.225
P9-6 P8-1	Class 2 RRJ	525	0.013	0.802	6.282	175.230	1.019	0.764	371.998	1.661	0.141	0.433	0.433	356.878
P8-1 P8-2	Class 3 RRJ	525	0.013	0.083	6.199	175.927	0.998	0.749	365.782	1.736	0.154	0.053	0.053	329.679
P8-2 P8-3	Class 2 RRJ	525	0.013	0.654	5.545	181.425	0.924	0.693	349.243	1.559	0.124	0.293	0.293	340.154
P8-3 P8-4	Class 2 RRJ	375	0.013	0.464	5.081	185.324	0.596	0.447	230.110	2.706	0.221	0.997	0.997	303.251
P8-3 P8-6	Class 3 RRJ	300	0.013	0.139	5.000	186.000	0.044	0.033	17.050	1.035	0.003	0.002	0.002	111.922
P8-4 P8-5	Class 3 RRJ	300	0.013	0.081	5.000	186.000	0.321	0.241	124.388	1.760	0.158	0.107	0.107	93.060

FOR CONSTRUCTION

ISSUE		DESCRIPTION	DATE	LEGEND		<div><p>Quality Certified Company ISO9001:2008 REGISTRATION No. COU001-CC001</p></div>	DESIGNED: A MURPHY	SCALE: H 1:100, V 1:50	<div><p>AXIOM CONSULTING ENGINEERS</p><p>ACN 100 526 458 W: axiomce.com.au E: admin@axiomce.com.au</p><p>P: 03 5331 2688 6 Webster Street, Ballarat Victoria 3350</p></div>	PROJECT: LOT 32 TAIT STREET FLORIAN STAGE 8	CCIVIL REF. No.: 802RD-08-10	SHEET: 11	REV: 1
A	ISSUED FOR APPROVAL		13/10/20				CHECKED: M PARKER	SHEET SIZE: A1		BONSHAW PROJECTS PTY LTD	DRAWING TITLE: DRAINAGE PIT SCHEDULE & HYDRAULIC INFORMATION		
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS		02/12/2020				AUTHORISED: C COUGHLAN	DATE: 6/09/24					
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS		6/09/24										
1	ISSUED FOR CONSTRUCTION		11/11/24										



ISSUE	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	13/10/20
B	ISSUED FOR APPROVAL WITH COUNCIL COMMENTS	02/12/2020
C	ISSUED FOR APPROVAL W/ AMENDMENTS TO BATTERS	6/09/24
1	ISSUED FOR CONSTRUCTION	11/11/24

LEGEND					
	PROPOSED WATER		ROAD		EXISTING WATER
	PROPOSED GAS		FOOTPATH		EXISTING GAS
	PROPOSED ELECTRICITY				EXISTING ELECTRICITY
	PROPOSED TELECOMS				EXISTING TELECOMS
	PROPOSED EASEMENT		ELEC/TELCOMS CONDUIT		VEHICLE WHEEL PATH
	PROPOSED SEWER		WATER/GAS CONDUIT		VEHICLE SWEEP PATH
	EXISTING SEWER				
	PROPOSED DRAINAGE				PROPOSED INDUSTRIAL CROSSOVER
	EXISTING DRAINAGE				

 Quality Certified Company ISO 9001:2008 REGISTRATION No: C04901-CC001	DESIGNED: A MURPHY	SCALE: 1:250
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 6/09/24

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6 Webster Street,
Ballarat Victoria 3350

PROJECT:	LOT 32 TAIT STREET FLORIAN STAGE 8
CLIENT:	BONSHAW PROJECTS PTY LTD

CCVIL REF. No:	802RD-08-13	SHEET:	13	REV:	1
DRAWING TITLE:	SERVICES & CONDUIT PLAN				