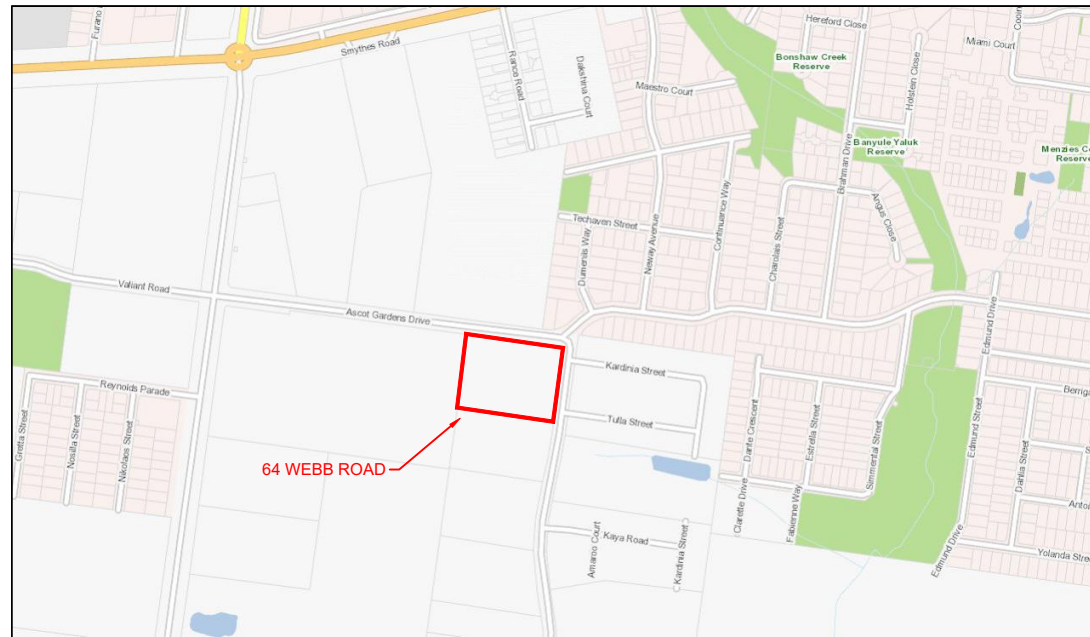
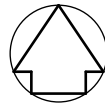


64 WEBB ROAD, BONSHAW

VICROAD MAP No. 571 P4



LOCALITY PLAN
NTS

DRAWING LIST

ROAD & DRAINAGE PLANS

928RD-01	LOCALITY PLAN & GENERAL NOTES
928RD-02	GENERAL ARRANGEMENT
928RD-03	EARTHWORKS LAYOUT PLAN
928RD-04	EXISTING SITE PLAN
928RD-05	ROAD & DRAINAGE LAYOUT PLAN
928RD-06	STANDARD DETAILS - SHEET 1 OF 2
928RD-07	STANDARD DETAILS - SHEET 2 OF 2
928RD-08	TYPICAL ROAD CROSS SECTIONS
928RD-09	WITHERS ROAD LONGITUDINAL SECTION
928RD-10	WEBB ROAD LONGITUDINAL SECTION
928RD-11	WITHERS ROAD CROSS SECTIONS - SHEET 1 OF 2
928RD-12	WITHERS ROAD CROSS SECTIONS - SHEET 2 OF 2
928RD-13	WEBB ROAD CROSS SECTIONS - SHEET 1 OF 2
928RD-14	WEBB ROAD CROSS SECTIONS - SHEET 2 OF 2
928RD-15	KERB SETOUT PLAN - SHEET 1 OF 2
928RD-16	KERB SETOUT PLAN - SHEET 2 OF 2
928RD-17	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 OF 2
928RD-18	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 OF 2
928RD-19	DRAINAGE PIT SCHEDULE
928RD-20	DRAINAGE HYDROLOGY REPORTS
928RD-21	DRAINAGE CATCHMENT PLAN
928RD-22	SERVICES & CONDUIT PLAN
928RD-23	LINEMARKING PLAN & TURNING MOVEMENT PLAN

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



GENERAL NOTES

- ALL LEVELS ARE TO A.H.D. AND ARE REFERENCED TO THE T.B.M. INDICATED
- ALL WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS APPROVED BY CITY OF BALLARAT.
- THE CONTRACTOR SHALL NOTIFY THE RELEVANT AUTHORITY 7 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE RELEVANT WORKS.
- 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 SERVICING AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING SERVICES, WHETHER SHOWN OR NOT.
- THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT OHS REGULATIONS.
- 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.
- THE CONTRACTOR SHALL TAKE THE UTMOST CARE TO PRESERVE EXISTING TREES. NO TREES SHALL BE REMOVED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
- 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.
- THE CONTRACTOR IS REQUIRED TO CONFINE CONSTRUCTION VEHICLES TO THE ROAD RESERVE AND EASEMENTS. ANY DAMAGE CAUSED TO THE ALLOTMENTS MUST BE MADE GOOD.
- TITLE PEGS AND T.B.M.'s TO BE RE-ESTABLISHED BY A LICENCED SURVEYOR IF FOUND TO BE MISSING.
- DISPOSAL OF EXCESS SPOIL, TRUCK ROUTE AND DISPOSAL LOCATION ARE TO BE APPROVED BY THE MUNICIPAL ENGINEERING DEPARTMENT.
- 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

STORMWATER DRAINAGE AND CONDUIT NOTES

- 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
- STORMWATER DRAINS SHALL BE R.C.P. CLASS 2 RRJ UNLESS OTHERWISE SHOWN.
- ALL CONDUIT LOCATIONS ARE TO BE MARKED ON FACE OF KERB AND CHANNEL WITH APPROPRIATE MARKING TOOLS.
- ALL CONCRETE IS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS
- ALL GRATES ARE TO BE HOT DIPPED GALVANISED
- AGI DRAINS BEHIND ALL KERB & CHANNEL

SERVICES	AUTHORITY & CONTACT	TELEPHONE
DRAINAGE	CITY OF BALLARAT	5320 5500
ELECTRICITY	POWERCOR AUSTRALIA (BALLARAT)	13 22 06
GAS	AUSNET GAS SERVICES PTD LTD	1300 360 795
TELECOMMUNICATIONS	TELSTRA VICTAS	1800 653 935
TELECOMMUNICATIONS	NBN	1800 626 762
SEWER & WATER	CENTRAL HIGHLANDS WATER	1800 061 514

INSPECTIONS

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 PROVING

PRIOR TO THE COMMENCEMENT OF WORKS, THE CONTRACTOR IS RESPONSIBLE FOR MAKING ALL PRACTICAL ENQUIRIES, INCLUDING DIAL BEFORE YOU DIG, TO ASSIST WITH THE LOCATION OF EXISTING SERVICES ON OR IN THE VICINITY OF THE SITE WHICH MAY BE AFFECTED BY THE WORKS. THE CONTRACTOR IS TO LOCATE THOSE SERVICES EITHER BY PHYSICAL OR ELECTRONIC MEANS TO ACCURATELY MEASURE THEIR ACTUAL LOCATION AND TO RECORD THEIR LOCATION ON A PLAN AND FORWARD THAT PLAN TO THE SUPERINTENDENT. THE CONTRACTOR MUST PHYSICALLY MARK THE LOCATION OF THE SERVICES ON SITE BY APPROPRIATE MEANS AND TO MAINTAIN THOSE MARKS FOR THE DURATION OF THE CONTRACT.

DESIGN CONSTRAINTS

- MAX. FALL ACROSS LOT TARGET: 500mm
- INFRASTRUCTURE DESIGN MANUAL VERSION 5.3
- PLANNING PERMIT PA2019181

TABLE OF PROPOSED OFFSETS FOR SERVICES

STREET NAME	CHAINAGE	GAS		WATER		ELECTRICAL		NBN		SEWER	
		O/S	SIDE	O/S	SIDE	O/S	SIDE	O/S	SIDE	O/S	SIDE
ASCOT GARDENS DRIVE	ALL	3.50m ^B	NORTH	4.00m ^B	NORTH	-	-	2.50m	SOUTH	-	-
WITHERS ROAD	CH 0 - CH 110	2.10m	NORTH	2.50m	NORTH	2.40m	SOUTH	1.80m	SOUTH	1.00m ^A	NORTH & SOUTH
WITHERS ROAD	CH 129 - END	2.10m	WEST	2.50m	WEST	2.40m	EAST	1.80m	EAST	1.00m	WEST
WEBB ROAD	CH -30 - CH 2	3.40m ^B	EAST	2.70m	WEST	2.40m ^B	EAST	0.90m ^B	EAST	-	-
WEBB ROAD	CH 15 - CH 88	3.30m ^C	WEST	2.70m	WEST	2.40m ^B	EAST	0.90m ^B	EAST	1.00m ^A	WEST

NOTES:

- SEWER NOT PRESENT ALONG ENTIRETY OF ROAD, REFER TO PLANS FOR SEWER LOCATIONS
- CONSTRUCTED BY OTHERS
- CONSTRUCTED BY OTHERS - OFFSET TO BE CONFIRMED

PROPOSED SERVICES ONLY, FOR EXISTING SERVICES REFER TO UPDATED DBYD PLANS

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND



DESIGNED: A MURPHY	SCALE: NTS
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 08/03/2022

AXIOM CONSULTING ENGINEERS

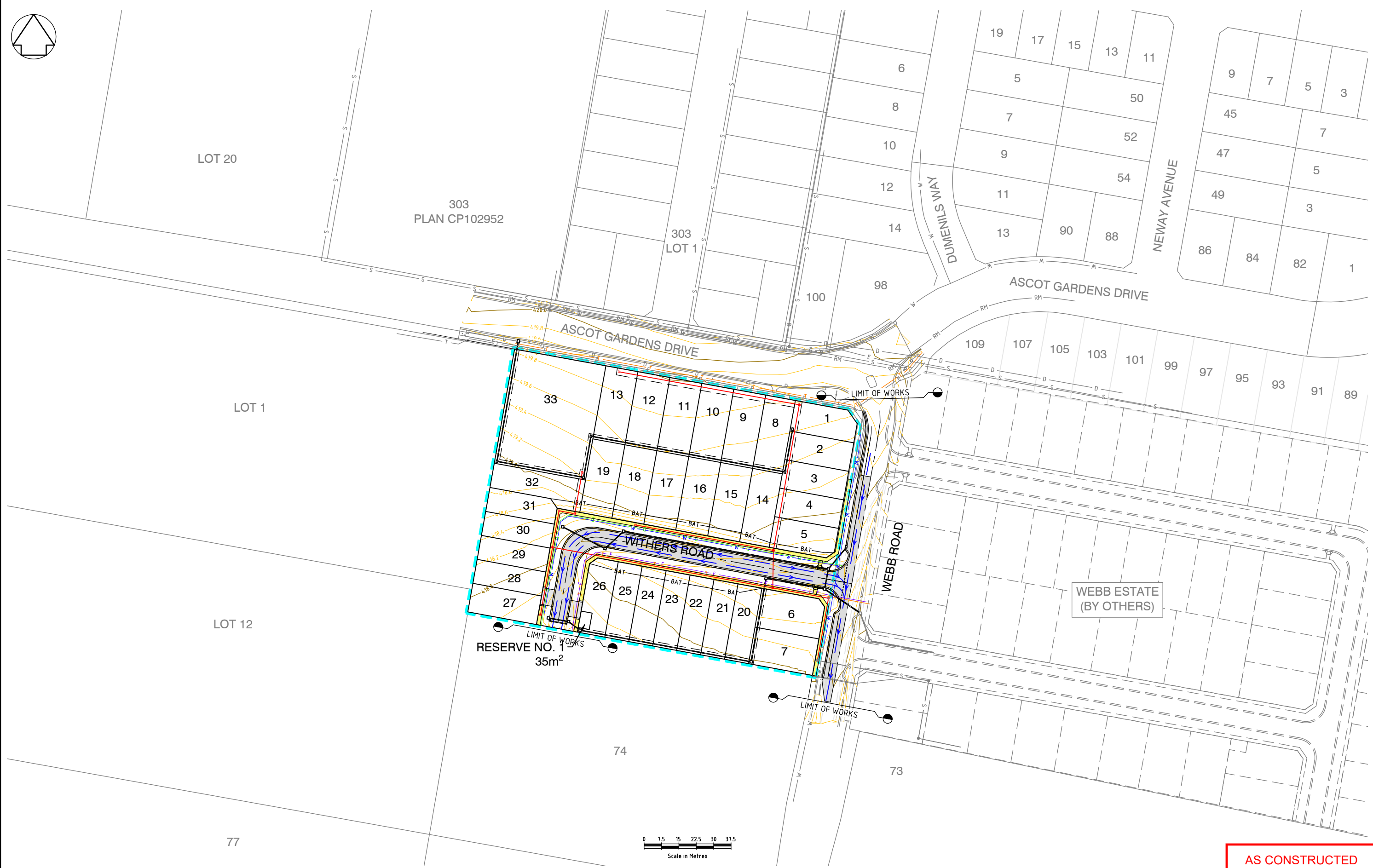
ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT:
**64 WEBB ROAD
BONSHAW**

CLIENT:
WEBB ROAD PTY LTD

CCVIL REF. No.:	928RD-01	SHEET:	1	REV:	6
DRAWING TITLE: LOCALITY PLAN & GENERAL NOTES					



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND			
	ROAD		WATER
	FOOTPATH		GAS
	CROSSOVERS		ELECTRICAL
	BATTER		T'COMMS
	DRAINAGE		EX. WATER
	SEWER		EX. GAS
	EASEMENT		EX. ELECTRICAL
	EX. SEWER RISING MAIN		EX. T'COMMS
			EX. DRAINAGE
			EX. SEWER



DESIGNED:	A MURPHY	SCALE:	1:750
CHECKED:	M PARKER	SHEET SIZE:	A1
AUTHORISED:	C COUGHLAN	DATE:	08/03/2022

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:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

CCVIL REF. No.	928RD-02	SHEET	2	REV.	6
DRAWING TITLE: GENERAL ARRANGEMENT					



NOTE: FALL IS MEASURED ACROSS THE BUILDABLE AREA OF THE LOT



NOTE: DEPTH OF TOPSOIL TO BE 200mm THICK



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
2	SHALLOW CUT & FILL SHOWN	21/12/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	PROPOSED CUT (-0.3m)
	PROPOSED CUT (-0.3m)
	PROPOSED FILL (+0.3m)
	PROPOSED FILL (+0.3m)
	BAT - EARTHWORKS BATTER
	FS:421.68 - FINISHED SURFACE LEVELS
	ES:420.68 - EXISTING SURFACE LEVELS
	0.320m - AMOUNT OF FALL ACROSS LOT (m)
	DIRECTION OF FALL (HIGH TO LOW)
	MINOR CONTOUR
	MAJOR CONTOUR



DESIGNED:	A MURPHY	SCALE:	1:400
CHECKED:	M PARKER	SHEET SIZE:	A1
AUTHORISED:	C COUGHLAN	DATE:	08/03/2022

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:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

CCIVIL REF. No.:	928RD-03	SHEET:	3	REV:	6
DRAWING TITLE: EARTHWORKS LAYOUT PLAN					



303
LOT 1

100

98

ASCOT GARDENS DRIVE

109

107

ASCOT GARDENS DRIVE

COLOURBOND FENCE

SITE CLEARING NOTES:

PRIOR TO ANY DEMOLITION WORKS COMMENCING: ALL EXISTING SERVICES TO THE PROPERTY AT 64 WEBB ROAD (GAS, WATER, ELECTRICITY, TELSTRA, OTHER T'COMMS) TO BE APPROPRIATELY DISCONNECTED/DECOMMISSIONED/ABOLISHED TO THE SATISFACTION OF THE RELEVANT SERVICE AUTHORITY. ALL NECESSARY PERMITS & APPLICATIONS TO BE MADE AND APPROVED PRIOR TO SERVICES BEING DISCONNECTED

ALL EXISTING STRUCTURES TO BE DEMOLISHED & DISPOSED OF AT AN APPROVED SITE.
ALL REDUNDANT FENCES TO BE REMOVED & DISPOSED OF AT AN APPROVED SITE.
EXISTING GRAVEL DRIVEWAYS TO BE REMOVED AND REPLACED WITH APPROVED FILL.
EXISTING DAM TO BE DEWATERED, DESLUDGED & BACKFILLED.
EXISTING SWIMMING POOL TO BE DEMOLISHED & BACKFILLED.
REMOVAL AND BACKFILLING OF EXISTING DAM AND POOL MUST BE SUPERVISED, CARRIED OUT, COMPLETED AND RECORDED WITH LEVEL 1 INSPECTION AND TESTING IN ACCORDANCE WITH NOTE 8 IN GENERAL NOTES ON SHEET 1 AND IN ACCORDANCE WITH AUSTRALIAN STANDARD AS3798-2007 (GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS).

EXISTING SEPTIC THAT SERVICES THE EXISTING PROPERTY SHALL BE DISCONNECTED, PUMPED OUT, DECOMMISSIONED AND MADE GOOD. CONTRACTOR TO CONTACT COUNCIL TO ARRANGE AN INSPECTION TO SUITABLY DECOMMISSION EXISTING SEPTIC, SANITARY DRAIN AND ALL OTHER ASSOCIATED INFRASTRUCTURE.

LOT 1

POST & WIRE FENCE

COLOURBOND FENCE

SWIMMING POOL

DECK

SINGLE STOREY BRICK HOUSE

VERANDAH

DRIVEWAY

GRAVEL CROSSOVER

WEBB ESTATE (BY OTHERS)

ROAD

WEBB ROAD

LOT 12

POST & WIRE FENCE

COLOURBOND FENCE

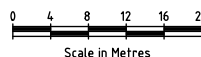
G.I. SHED

DAM

DRIVEWAY

GRAVEL CROSSOVER

74



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	EXISTING TREE
	SUBDIVISION BOUNDARY

	DESIGNED: A MURPHY	SCALE: 1:4.00
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022
	REGISTRATION No. COU891-CC001	

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: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

CCVIL REF. No.: 928RD-04	SHEET: 4	REV: 6
DRAWING TITLE: EXISTING SITE PLAN		



NOTE:
ALL DRAINAGE HOUSE CONNECTIONS AT 1m OFFSETS FROM SIDE BOUNDARY UNLESS OTHERWISE SHOWN

NOTE:
VEHICLE CROSSOVERS ON FRONT OF LOTS 27 & 28 AND ON SIDE OF LOT 26 TO SATISFY SERVICE VEHICLE TURNING REQUIREMENTS - REFER SHEET 23.

NOTE:
ALL STORMWATER RCPs TO BE RUBBER RING JOINTED

SIGN SCHEDULE

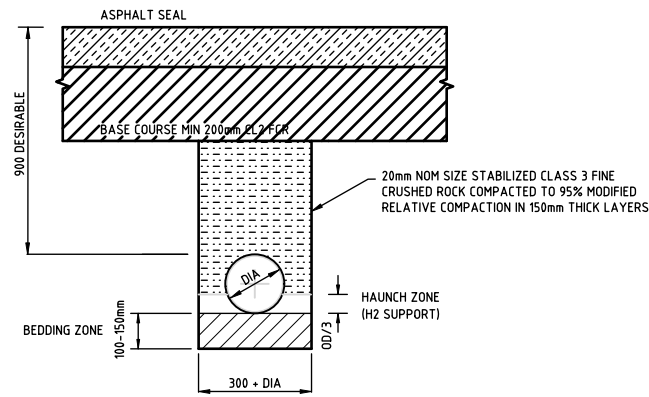
SIGN No.	DESCRIPTION	No.
S1	R1-2 GIVE WAY SIGN	1
S2	STREET NAME PLATES "STREET NAME" (2 PER POLE)	1
S3	D4-5 OBSTRUCTION MARKER	1
S4	G9-18A NO THROUGH ROAD	1



AS CONSTRUCTED

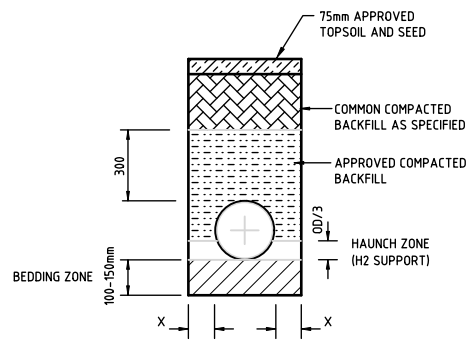
ISSUE 6 "AS-CONSTRUCTED" 25/08/23 1 AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL 13/07/2022 2 ISSUED FOR CONSTRUCTION 17/10/2022 3 POWERCOR RESERVE ADDED TO LOT 26. IFC 09/02/23 4 IFC LOT 4 & 19 HC'S UPDATED 09/03/23 5 ISSUED FOR APPROVAL 20/06/23	LEGEND ROAD, FOOTPATH, VEH. CROSSOVER, BATTER, DRAINAGE, SEWER, EASEMENT, EX. SEWER RISING MAIN, RM W WATER, G GAS, E ELECTRICAL, T T'COMMS, EX. WATER, EX. GAS, EX. ELECTRICAL, EX. T'COMMS, EX. DRAINAGE, EX. SEWER SUBDIVISION BOUNDARY, OVERLAND FLOW PATH, MINOR CONTOUR, MAJOR CONTOUR, DIRECTION OF FALL, HOUSE DRAIN TO PIT/PIPE, HOUSE DRAIN TO KERB	DESIGNED: A MURPHY CHECKED: M PARKER AUTHORISED: C COUGHLAN	SCALE: 1:400 SHEET SIZE: A1 DATE: 08/03/2022	 ACN 100 526 458 W: axiomce.com.au E: admin@axiomce.com.au P: 03 5331 2688 6 Webster Street, Ballarat Victoria 3350	PROJECT: 64 WEBB ROAD BONSHAW CLIENT: WEBB ROAD PTY LTD	CIVIL REF. No: 928RD-05 SHEET: 5 REV: 6
		DRAWING TITLE: ROAD & DRAINAGE LAYOUT PLAN				

TRENCH DETAILS FOR REINFORCED CONCRETE PIPES SD-D8-1



A. UNDER ROAD PAVEMENT

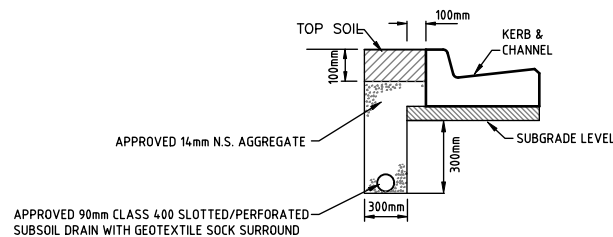
- NOTE:
- APPROVED COMPACTED BACKFILL TO BE CLASS 3 FINE CRUSHED ROCK.
 - HAUNCH ZONE TO BE 20mm AGGREGATE - MATERIAL AS SPECIFIED
 - BEDDING ZONE TO BE CLASS 3 FINE CRUSHED ROCK - COMPACTED DEPTH TO BE 100mm MIN. FOR DIA. < 150mm AND MIN. FOR 150mm DIA. > 150mm.
 - CLEARANCE 'X' - 0.D./3. MINIMUM 150mm AND MAXIMUM 300mm UNLESS OTHERWISE SPECIFIED.



C. NATURESTRIPS & EASEMENTS

SCALE: NTS

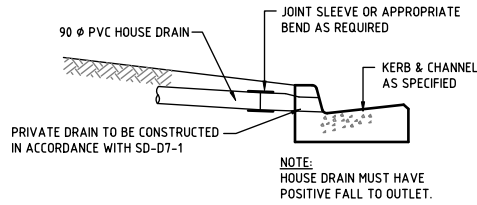
- NOTE:
- APPROVED COMPACTED BACKFILL - RED DREDGE GRAVEL
 - HAUNCH ZONE TO BE 20mm AGGREGATE - MATERIAL AS SPECIFIED
 - BEDDING ZONE TO BE CLASS 3 FINE CRUSHED ROCK - COMPACTED DEPTH TO BE 100mm MIN. FOR DIA. < 150mm AND MIN. FOR 150mm DIA. > 150mm.
 - CLEARANCE 'X' - 0.D./3. MINIMUM 150mm AND MAXIMUM 300mm UNLESS OTHERWISE SPECIFIED.



SUBSOIL DRAINAGE BEHIND KERB & CHANNEL (SD-D2-1)

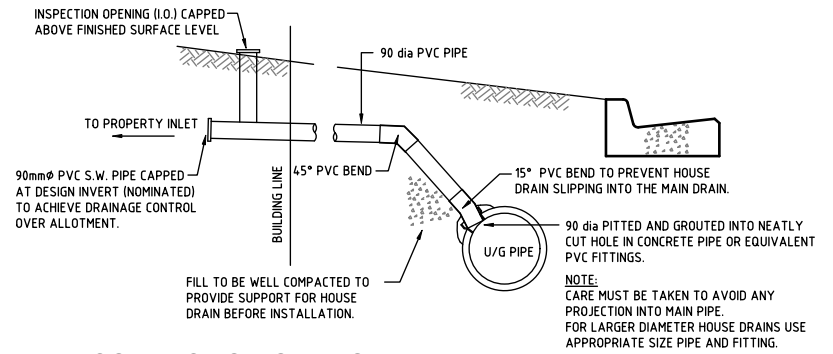
SCALE: NTS

- NOTES:
- THE DRAINS SHALL BE LAID ON A GRADE PARELLEL TO THE FINISHED SURFACE
 - FOR FLUSHOUT RISER DETAILS REFER TO STANDARD DRAWINGS SD530 & SD535
 - DOWELS TO BE USED WHERE NEW KERB AND ADJOINS EXISTING KERB



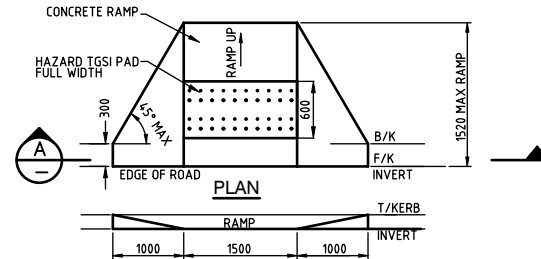
PROPERTY DRAIN KERB CONNECTIONS

NOT TO SCALE



CONNECTION OF PROPERTY DRAIN TO UNDERGROUND STREET DRAIN

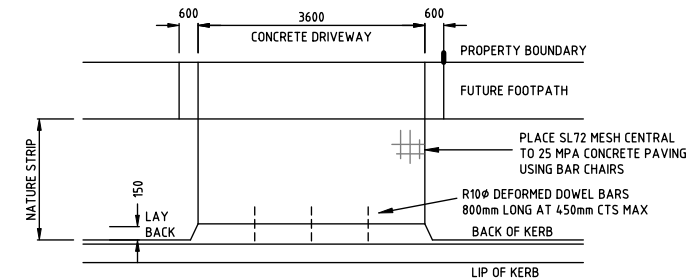
SCALE: NTS



ELEVATION A KERB RAMP (PERAMBULAR CROSSING) DETAIL

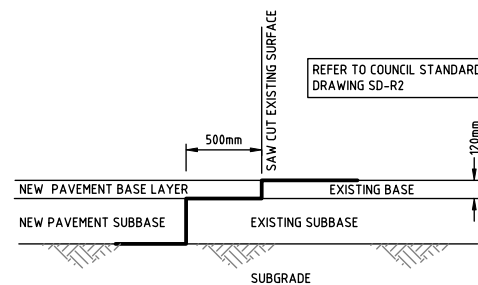
SCALE 1:25

- NOTES:
- ALL TACTILE GROUND SURFACE INDICATORS (TGS1) TO BE INSTALL IN ACCORDANCE WITH VICROADS STANDARD DETAILS SD 2031 & SD 2032
 - THE RAMP AND SLOPING TO HAVE BROOM FINISH SURFACE FOR SLIP RESISTANT.



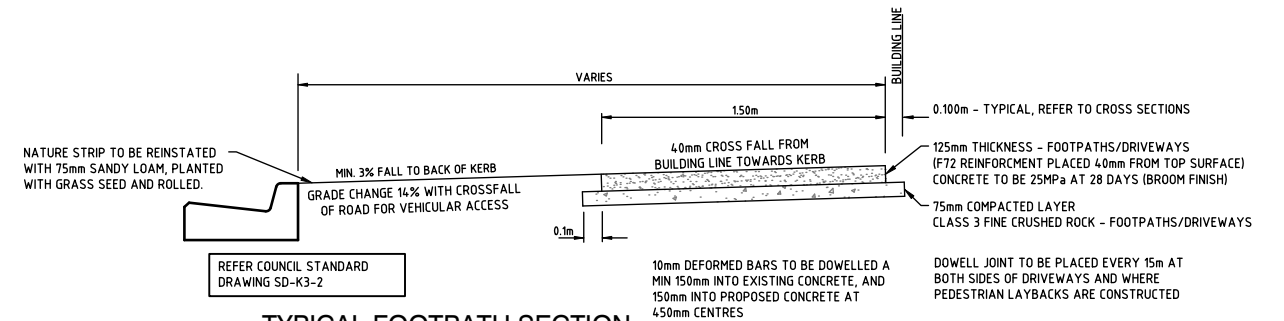
VEHICLE CROSSING DETAIL

SCALE: NTS (DIMENSIONS IN mm)



PAVEMENT JOINT DETAIL

SCALE H 1:25 V 1:25



TYPICAL FOOTPATH SECTION

SCALE H 1:20 V 1:20

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

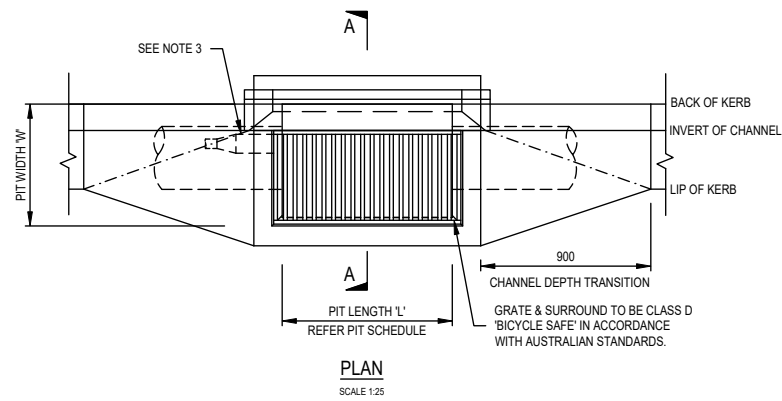
LEGEND	
DESIGNED:	A MURPHY
CHECKED:	M PARKER
AUTHORISED:	C COUGHLAN
SCALE:	NTS
SHEET SIZE:	A1
DATE:	08/03/2022

ISO 9001 Certified
Quality Assurance
Quality Certified Company
ISO 9001:2008
REGISTRATION No. COU091-CC001

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

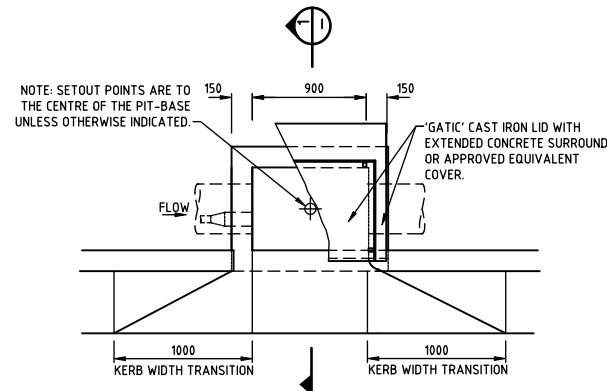
PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

CCIVIL REF. No.: 928RD-06
SHEET: 6
REV: 6
DRAWING TITLE: STANDARD DETAILS SHEET 1 OF 2



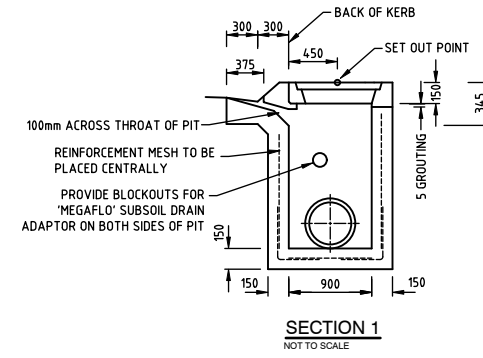
GRATED SIDE ENTRY PIT INLET 900mm WITH CONCRETE SURROUND FOR B2 - IDM SD475

NOTE: MODIFY TO SUIT BCB2 KERB

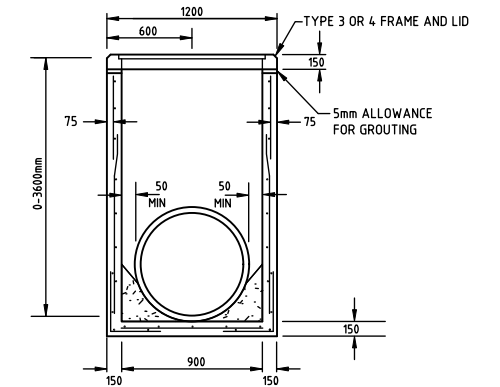


STANDARD DETAIL SIDE ENTRY PIT - 0.9M INLET WITH CAST IRON COVER & CONCRETE SURROUND FOR BCB2 KERB (SD-P1-1)

NOTE TO SCALE (DIMENSIONS IN mm)



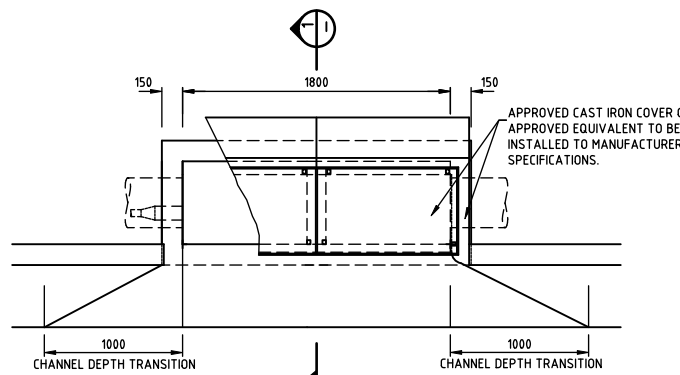
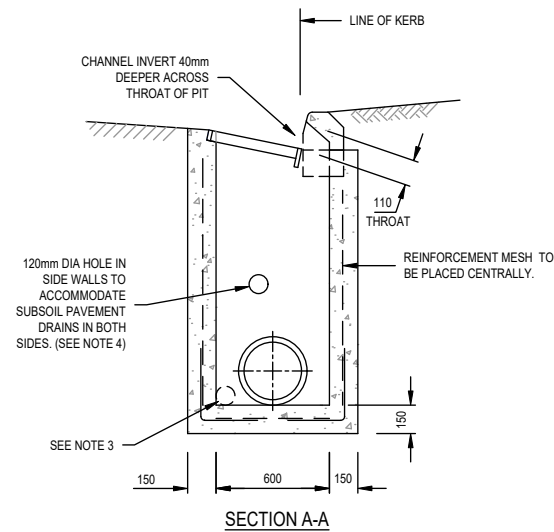
DEPTH	REINFORCEMENT	INTERNAL DIMENSIONS	ADDITIONAL INFO
UP TO 1200	F72	900x750	-
1200 TO 2400	F92	900x900	STEP IRONS
2400 - UP	F1218	900x900	LADDER



900x900 TYPICAL PIT DETAIL (SD-P10-1)

NOT TO SCALE (DIMENSIONS IN mm)

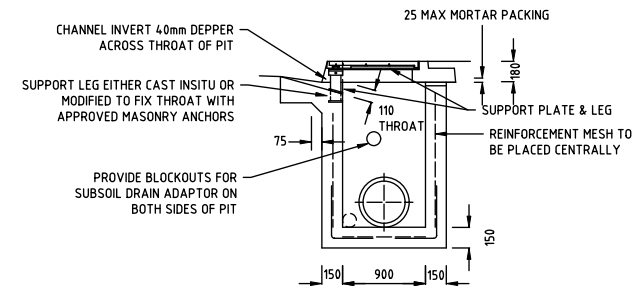
DEPTH	REINFORCEMENT	INTERNAL DIMENSIONS	ADDITIONAL INFO
UP TO 1200	F72	900x600	-
1200 TO 2400	F92	900x900	STEP IRONS
2400 - UP	F1218	900x900	LADDER



PRECAST DOUBLE SIDE ENTRY PIT - 1900mm INLET WITH APPROVED COVER & CONCRETE SURROUND FOR BCB2 (SD-P2-2)

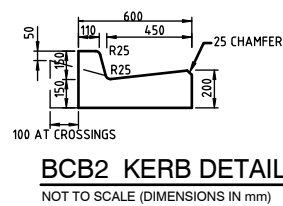
NOT TO SCALE. ALL DIMENSIONS IN MILLIMETERS. MODIFY FOR USE WITH BCB2 KERB

DEPTH	REINFORCEMENT
UP TO 1200	SL92
1200 TO 2400	RL92
2400 - UP	RL1218



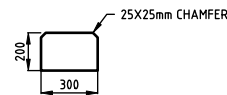
SECTION 1

NOT TO SCALE



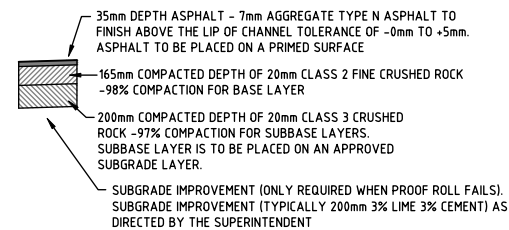
BCB2 KERB DETAIL

NOT TO SCALE (DIMENSIONS IN mm)



CONCRETE EDGE STRIP

SCALE H 1:20 V 1:20 (DIMENSIONS IN mm)



TYPICAL PAVEMENT DETAIL WITHERS ROAD & WEBB ROAD (PAVEMENT DESIGNED ON CBR 3%)

SCALE NTS

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND

<p>Quality Certified Company ISO9001:2008 REGISTRATION No. COU891-CC001</p>	DESIGNED: A MURPHY	SCALE: NTS
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

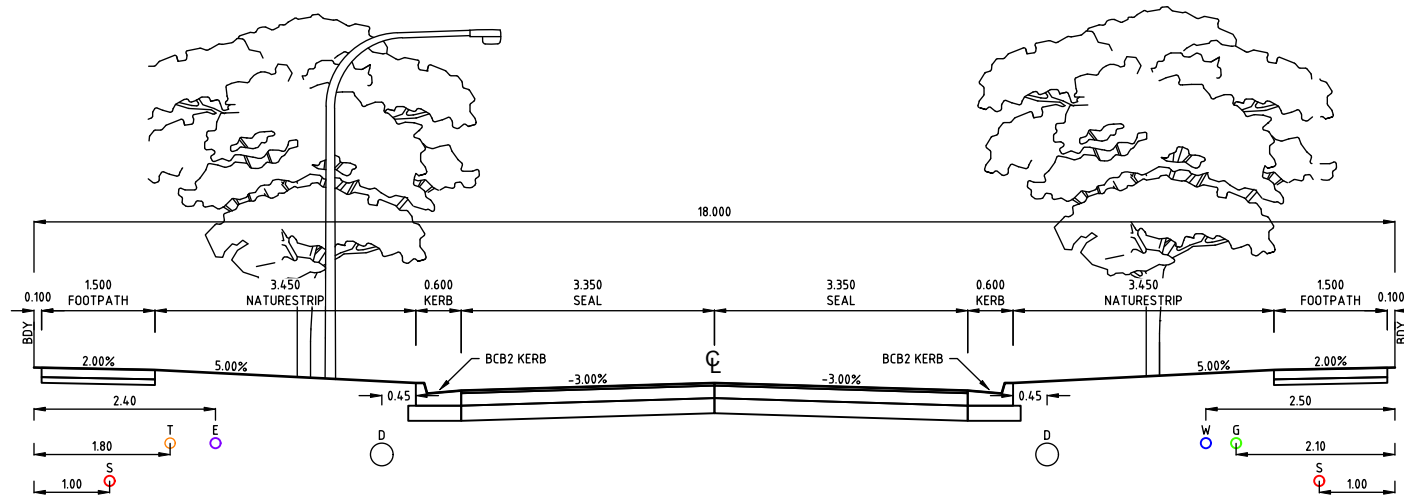
AXIOM CONSULTING ENGINEERS

ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

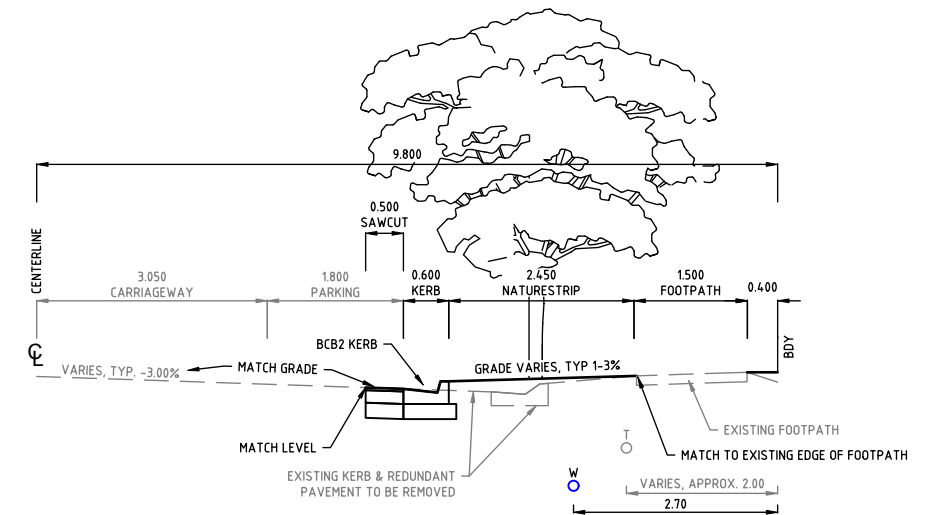
CCVIL REF. No.:	928RD-07	SHEET:	7	REV:	6
DRAWING TITLE: STANDARD DETAILS SHEET 2 OF 2					



WITHERS ROAD - 18m TYPICAL SECTION

SCALE: H 1:50 V 1:50

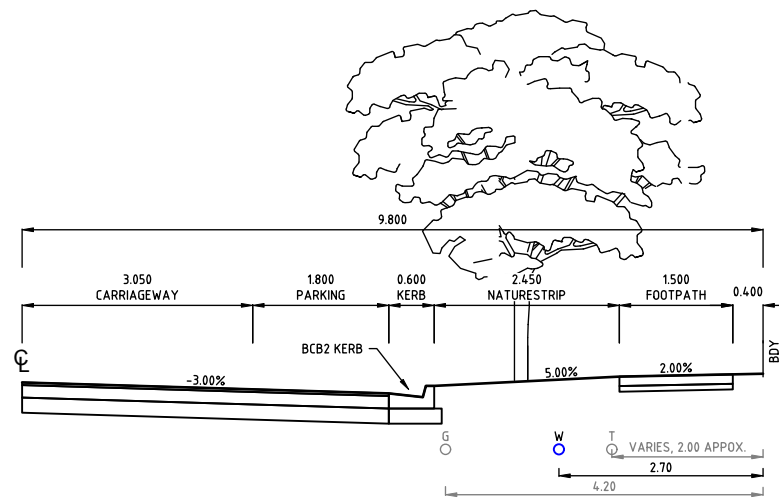
SEWER & STORMWATER DRAINAGE ARE NOT PRESENT ALONG ENTIRETY OF ROAD, REFER TO PLANS FOR ACCURATE LOCATIONS



WEBB ROAD TYPICAL SECTION CH -28.90 - 0

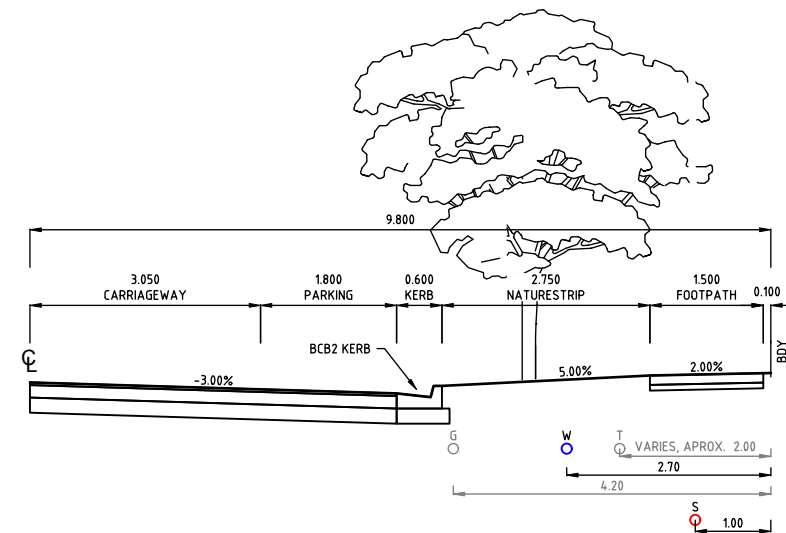
SCALE: H 1:50 V 1:50

WIDTHS VARY ON HORIZONTAL CURVE FROM CH -28.90 TO -16.75



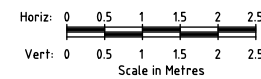
WEBB ROAD TYPICAL SECTION CH 0 - 32.114

SCALE: H 1:50 V 1:50



WEBB ROAD TYPICAL SECTION CH 61.242 - 88.685

SCALE: H 1:50 V 1:50



AS CONSTRUCTED

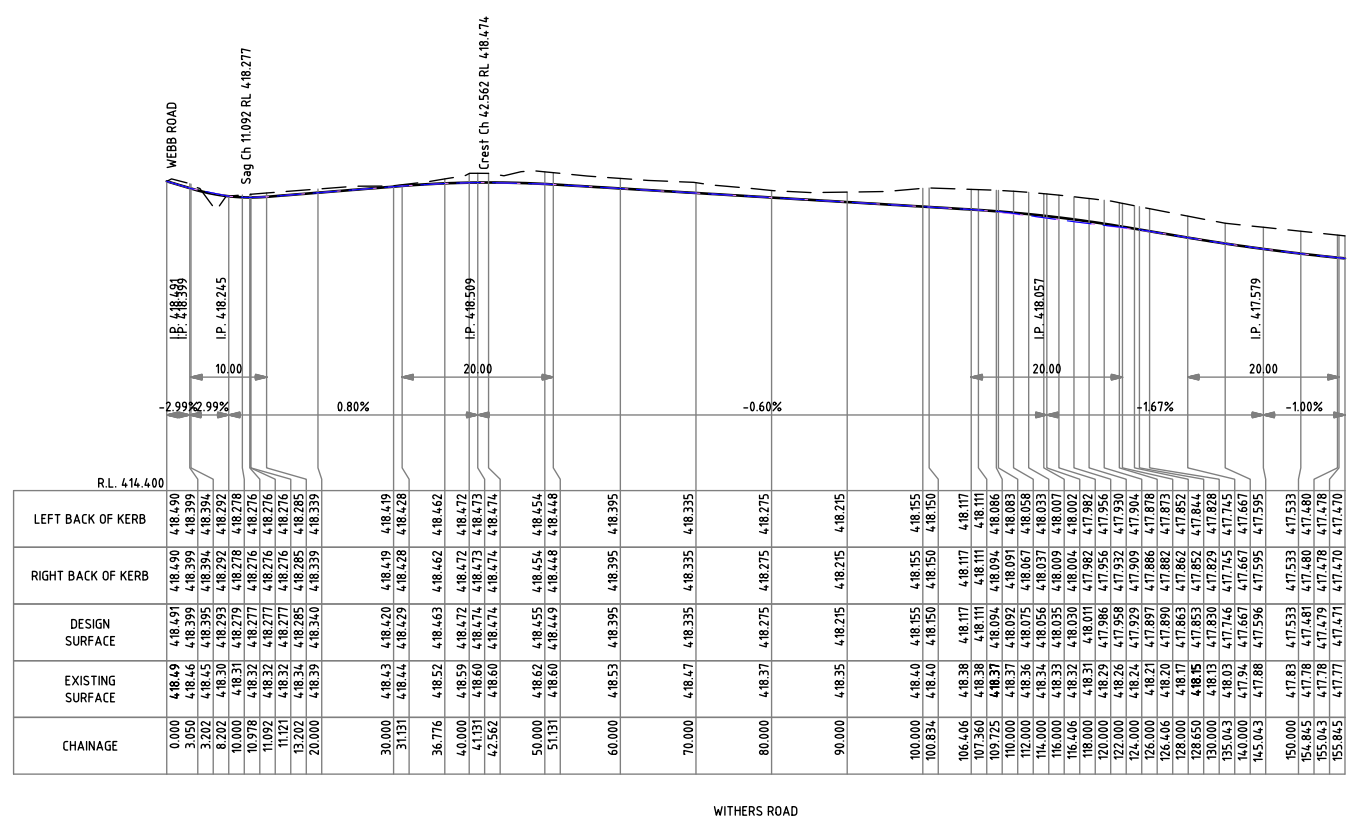
ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
ISO 9001 Certified	DESIGNED: A MURPHY
Quality Certified Company	CHECKED: M PARKER
ISO 9001:2008	AUTHORISED: C COUGHLAN
REGISTRATION No. COU891-CC001	SCALE: H 1:50 V 1:50
	SHEET SIZE: A1
	DATE: 08/03/2022

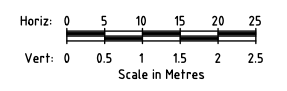
<p>ACN 100 526 458 W: axiomce.com.au E: admin@axiomce.com.au</p>	<p>P: 03 5331 2688 6 Webster Street, Ballarat Victoria 3350</p>
--	---

PROJECT:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

CCVIL REF. No.:	928RD-08	SHEET:	8	REV:	6
DRAWING TITLE:					
TYPICAL ROAD CROSS SECTIONS					



WITHERS ROAD ROAD CENTRELINE SETOUT			
CH	EASTING	NORTHING	R.L.
0.000	748274.842	5835380.524	418.491
3.050	748271.843	5835381.078	418.399
3.202	748271.693	5835381.105	418.395
8.202	748266.776	5835382.013	418.293
10.000	748265.008	5835382.339	418.279
10.978	748264.047	5835382.516	418.277
11.092	748263.935	5835382.537	418.277
11.121	748263.906	5835382.542	418.277
13.202	748261.859	5835382.920	418.285
20.000	748255.174	5835384.154	418.340
30.000	748245.340	5835385.968	418.420
31.131	748244.228	5835386.174	418.429
36.776	748238.677	5835387.198	418.463
40.000	748235.507	5835387.783	418.472
41.131	748234.394	5835387.988	418.474
42.562	748232.987	5835388.248	418.474
50.000	748225.673	5835389.598	418.455
51.131	748224.560	5835389.803	418.449
60.000	748215.839	5835391.413	418.395
70.000	748206.005	5835393.227	418.335
80.000	748196.171	5835395.042	418.275
90.000	748186.337	5835396.857	418.215
100.000	748176.503	5835398.672	418.155
100.834	748175.683	5835398.823	418.150
106.406	748170.203	5835399.834	418.117
107.360	748169.265	5835400.007	418.111
109.725	748166.939	5835400.436	418.094
110.000	748166.668	5835400.483	418.092
112.000	748164.676	5835400.635	418.075
114.000	748162.687	5835400.787	418.056
116.000	748160.755	5835399.947	418.035
116.406	748160.374	5835399.805	418.030
118.000	748158.934	5835399.126	418.011
120.000	748157.274	5835398.014	417.986
122.000	748155.822	5835396.642	417.958
124.000	748154.618	5835395.048	417.929
126.000	748153.695	5835393.276	417.897
126.406	748153.544	5835392.899	417.890
128.000	748153.078	5835391.376	417.863
128.650	748152.947	5835390.739	417.853
130.000	748152.711	5835389.410	417.830
135.043	748151.827	5835384.445	417.746
140.000	748150.958	5835379.565	417.667
145.043	748150.074	5835374.600	417.596
150.000	748149.205	5835369.720	417.533
154.845	748148.356	5835364.950	417.481
155.043	748148.321	5835364.755	417.479
155.845	748148.181	5835363.965	417.471



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	LEFT BACK OF KERB
	RIGHT BACK OF KERB

DESIGNED: **A MURPHY**

 CHECKED: **M PARKER**

 AUTHORISED: **C COUGHLAN**

 SCALE: **H 1:500 V 1:50**

 SHEET SIZE: **A1**

 DATE: **08/03/2022**

AXIOM CONSULTING ENGINEERS

PROJECT: **64 WEBB ROAD BONSHAW**

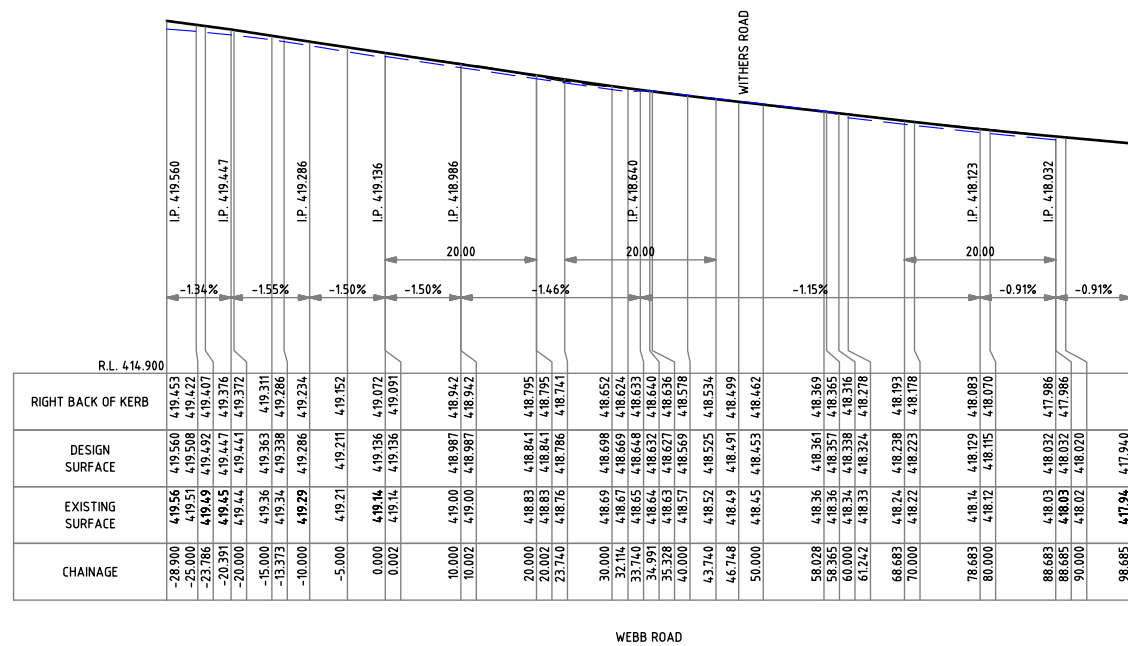
 CLIENT: **WEBB ROAD PTY LTD**

CIVIL REF. No.: **928RD-09**

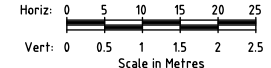
 SHEET: **9**

 REV: **6**

 DRAWING TITLE: **WITHERS ROAD LONGITUDINAL SECTION**



WEBB ROAD ROAD CENTRELINE SETOUT			
CH	EASTING	NORTHING	R.L.
-28.900	748286.934	5835455.102	419.560
-25.000	748287.032	5835451.203	419.508
-23.786	748287.063	5835449.990	419.492
-20.391	748286.530	5835446.636	419.447
-20.000	748286.467	5835446.250	419.441
-15.000	748285.665	5835441.315	419.363
-13.373	748285.404	5835439.709	419.338
-10.000	748284.863	5835436.380	419.286
-5.000	748283.949	5835431.464	419.211
0.000	748283.036	5835426.548	419.136
0.002	748283.036	5835426.546	419.136
10.000	748281.283	5835416.703	418.987
10.002	748281.283	5835416.701	418.987
20.000	748279.530	5835406.858	418.841
20.002	748279.530	5835406.856	418.841
23.740	748278.875	5835403.176	418.786
30.000	748277.778	5835397.013	418.698
32.714	748277.407	5835394.931	418.669
33.740	748277.122	5835393.331	418.648
34.991	748276.903	5835392.099	418.632
35.328	748276.844	5835391.767	418.627
40.000	748276.025	5835387.167	418.569
43.740	748275.370	5835383.486	418.525
46.748	748274.842	5835380.524	418.491
50.000	748274.272	5835377.322	418.453
58.028	748272.865	5835369.418	418.361
58.365	748272.806	5835369.087	418.357
60.000	748272.520	5835367.477	418.338
61.242	748272.302	5835366.254	418.324
68.683	748270.998	5835358.928	418.238
70.000	748270.767	5835357.632	418.223
78.683	748269.245	5835349.083	418.129
80.000	748269.014	5835347.787	418.115
88.683	748267.492	5835339.238	418.032
88.685	748267.492	5835339.236	418.032
90.000	748267.243	5835337.945	418.020
98.685	748265.597	5835329.417	417.940



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	RIGHT BACK OF KERB

 Quality Certified Company ISO9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: H 1:500 V 1:50
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

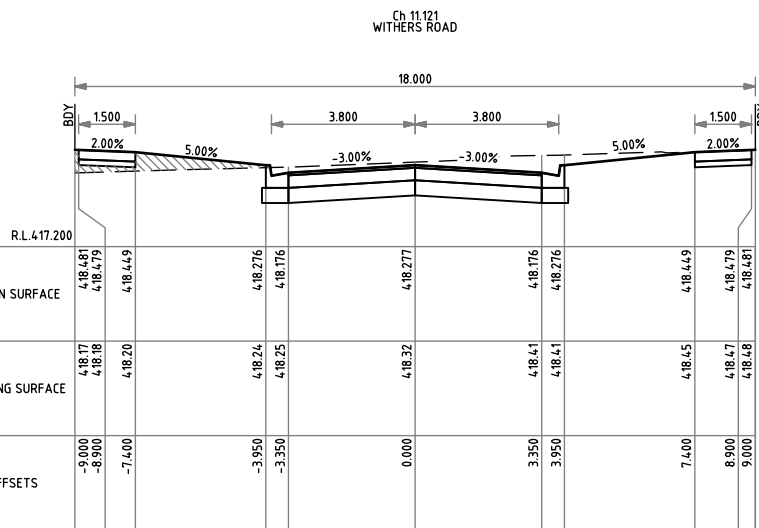
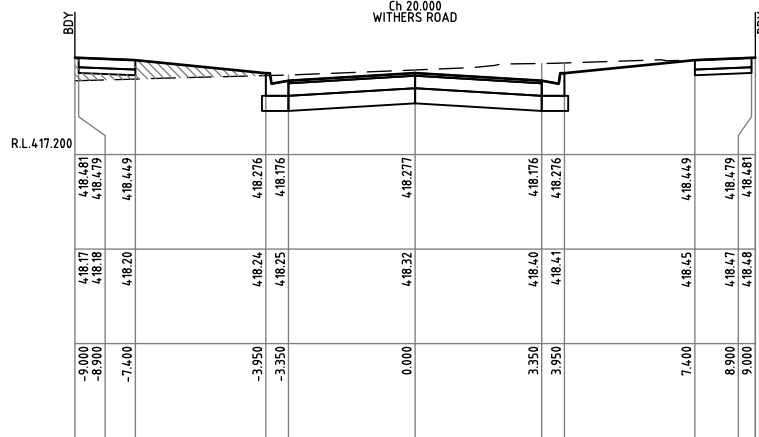
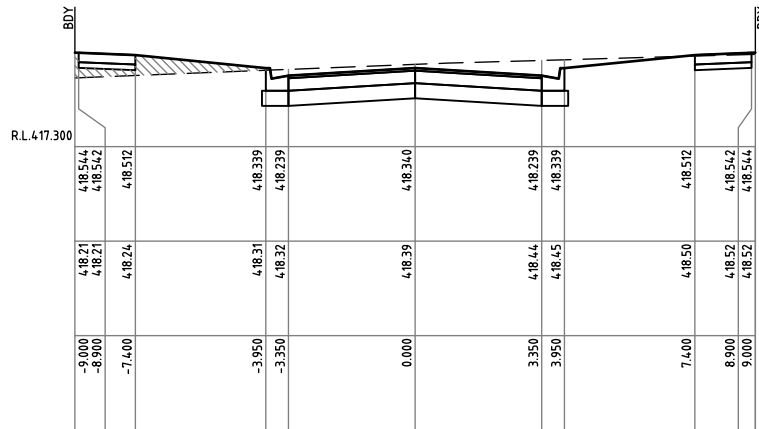
AXIOM CONSULTING ENGINEERS

ACN 100 526 458
 W: axiomce.com.au
 E: admin@axiomce.com.au

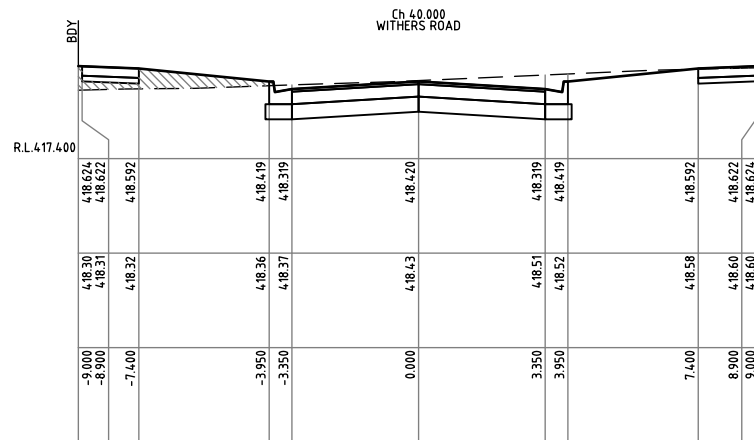
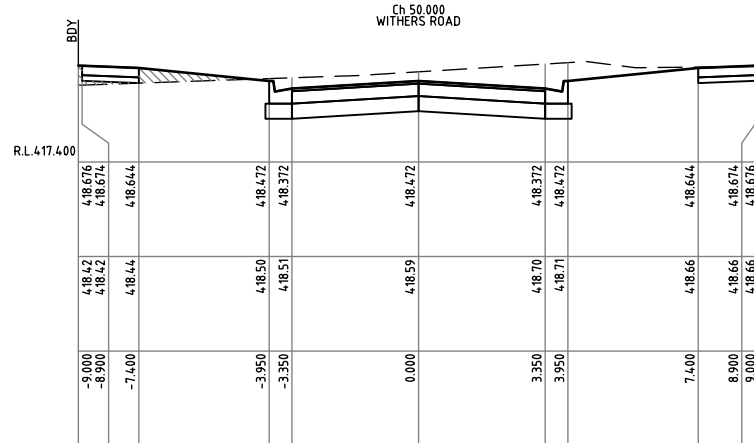
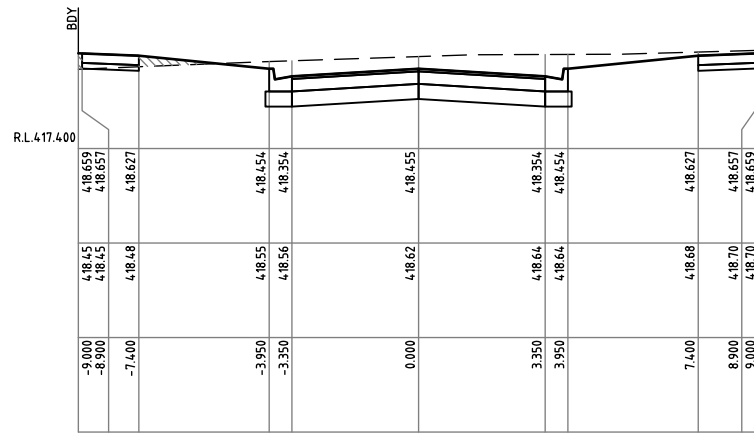
P: 03 5331 2688
 6 Webster Street,
 Ballarat Victoria 3350

PROJECT:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

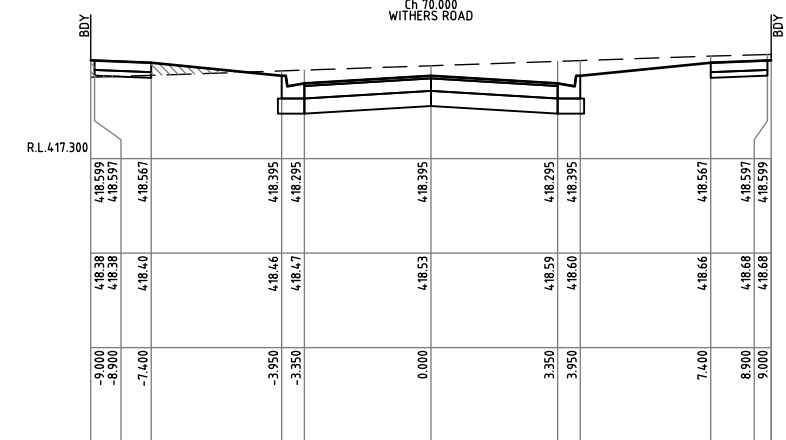
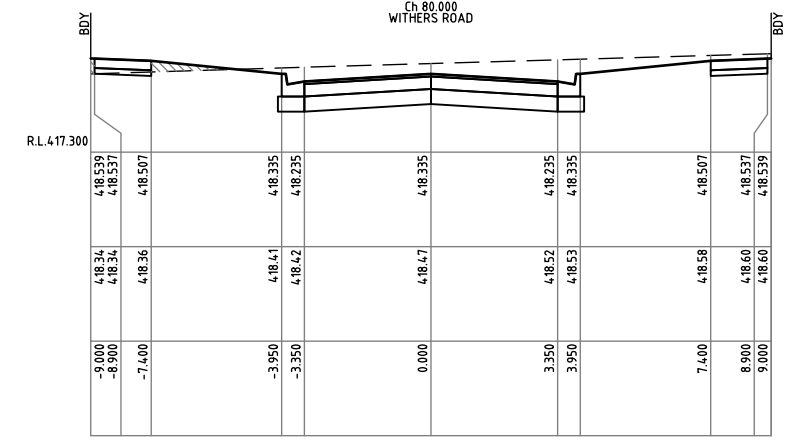
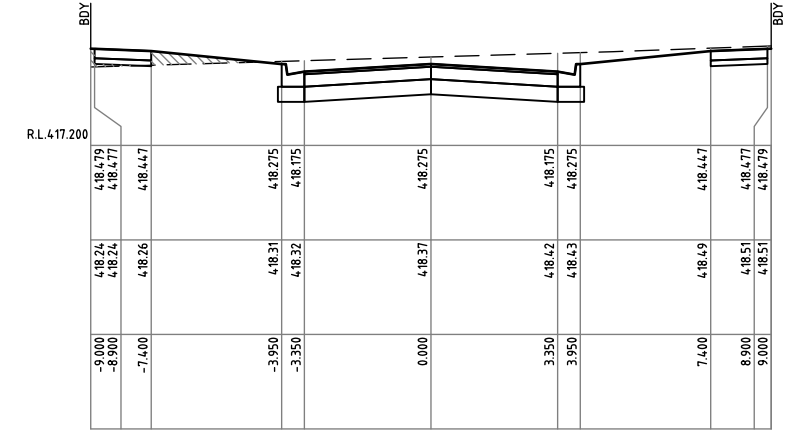
CCIVIL REF. No.:	928RD-10	SHEET:	10	REV:	6
DRAWING TITLE: WEBB ROAD LONGITUDINAL SECTION					



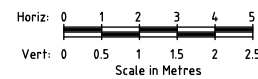
Ch 10,978
WITHERS ROAD



Ch 30,000
WITHERS ROAD



Ch 60,000
WITHERS ROAD



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	APPROVED SELECT FILL

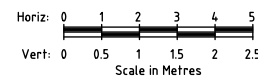
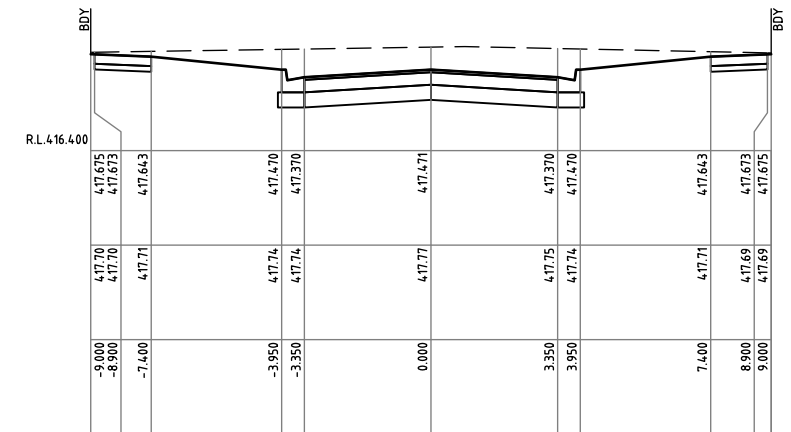
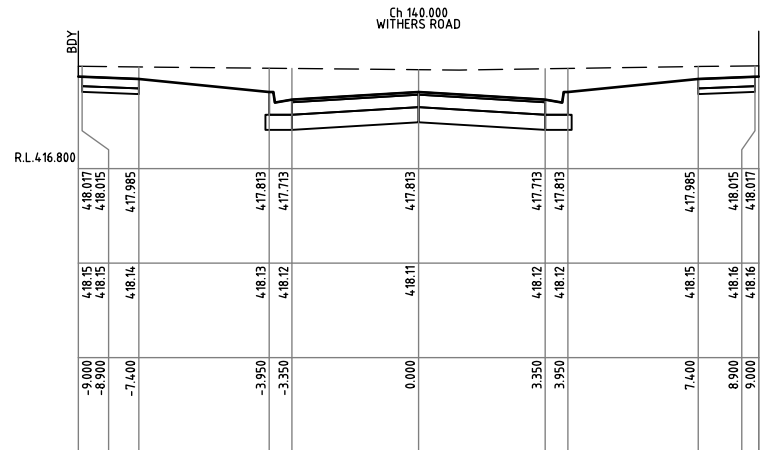
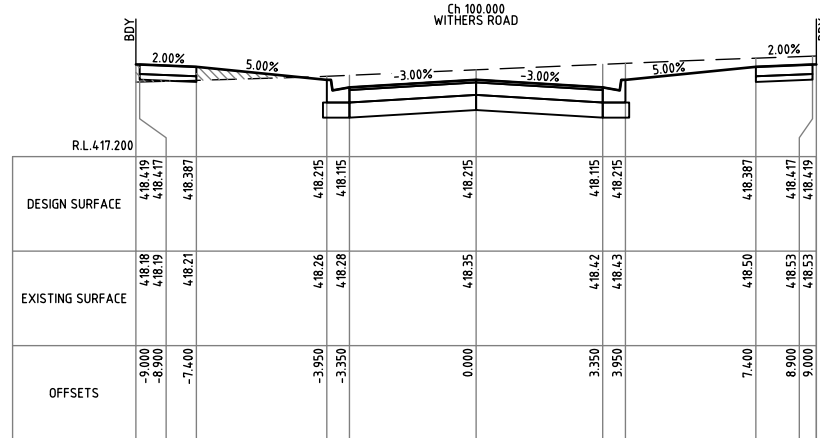
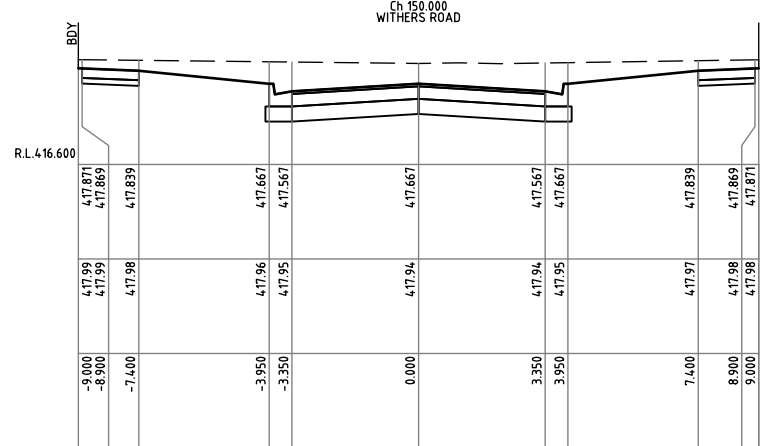
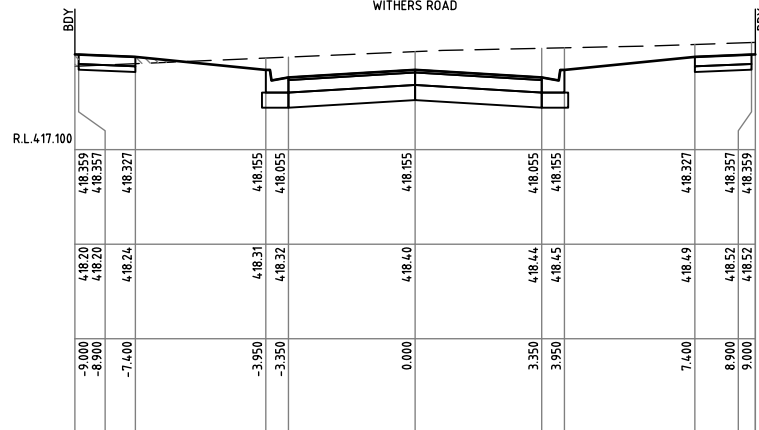
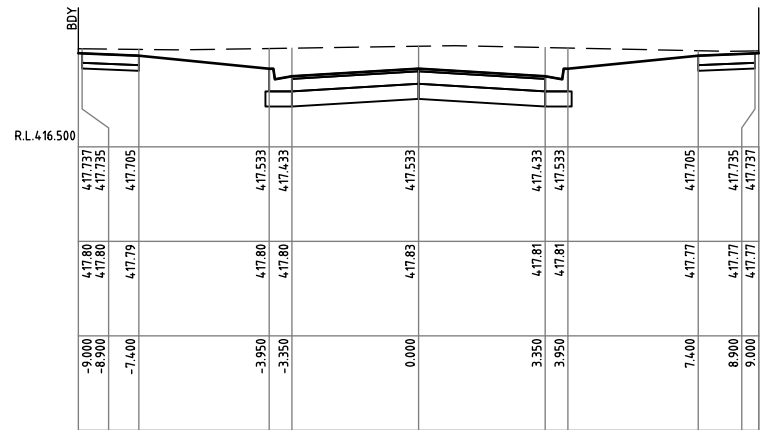
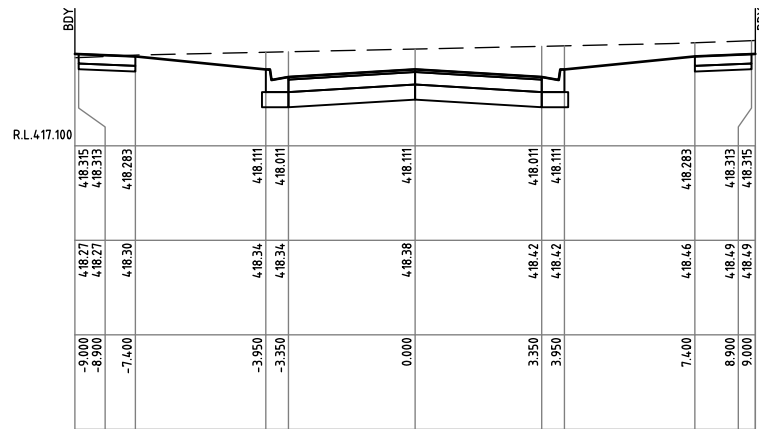
 Quality Certified Company ISO9001:2008 REGISTRATION No. COU091-CC001	DESIGNED: A MURPHY	SCALE: H 1:100 V 1:50
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

CCVIL REF. No.: 928RD-11	SHEET: 11	REV: 6
DRAWING TITLE: WITHERS ROAD CROSS SECTIONS SHEET 1 OF 2		



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	APPROVED SELECT FILL

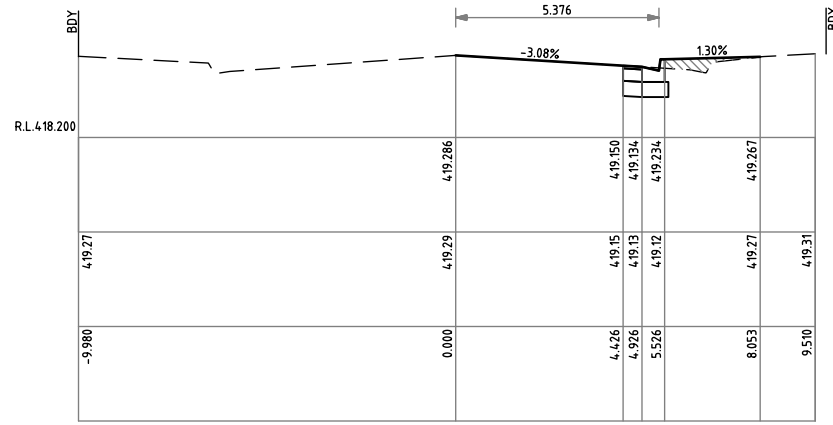
 Quality Certified Company ISO9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: H 1:100 V 1:50
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

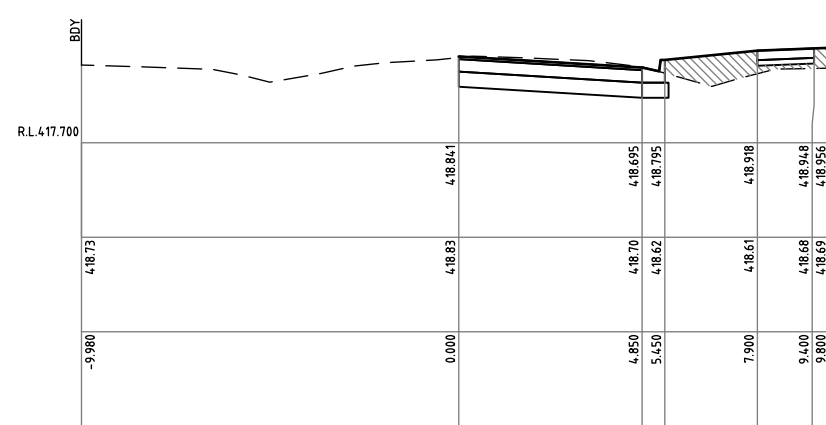
P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

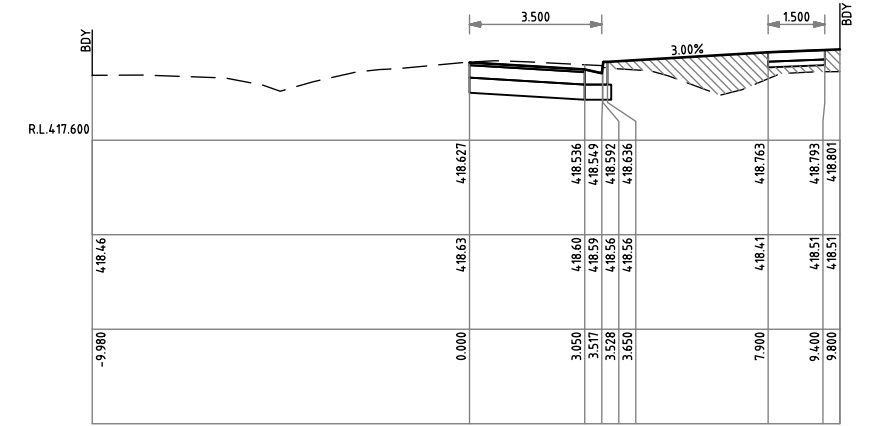
CCVIL REF. No.: 928RD-12	SHEET: 12	REV: 6
DRAWING TITLE: WITHERS ROAD CROSS SECTIONS SHEET 2 OF 2		



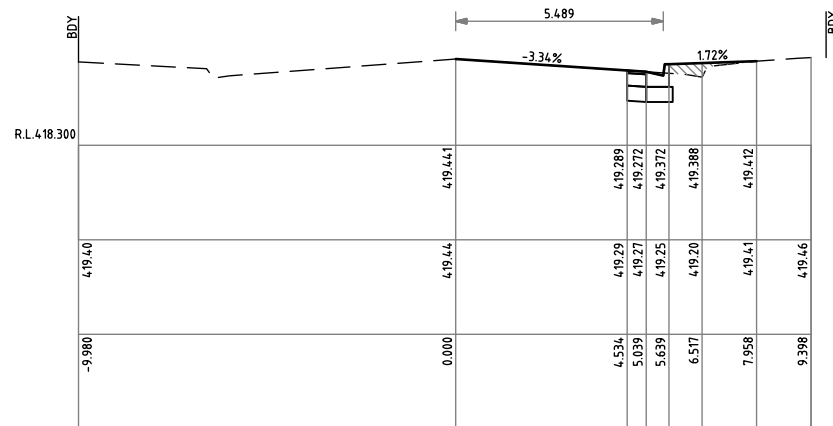
Ch -10.000
WEBB ROAD



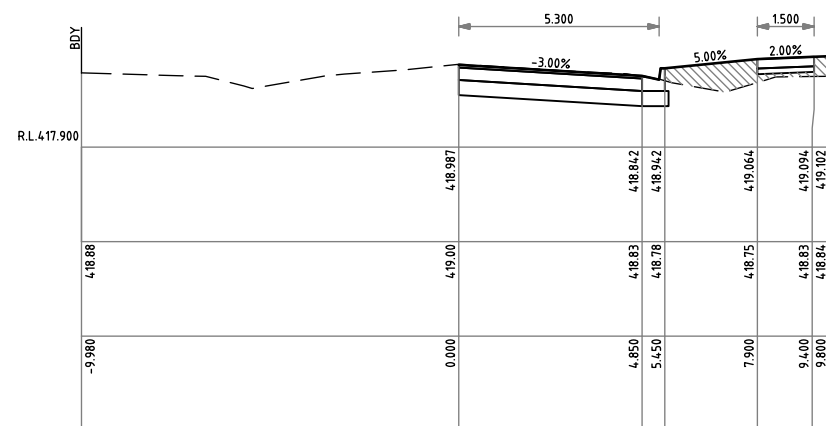
Ch 20.000
WEBB ROAD



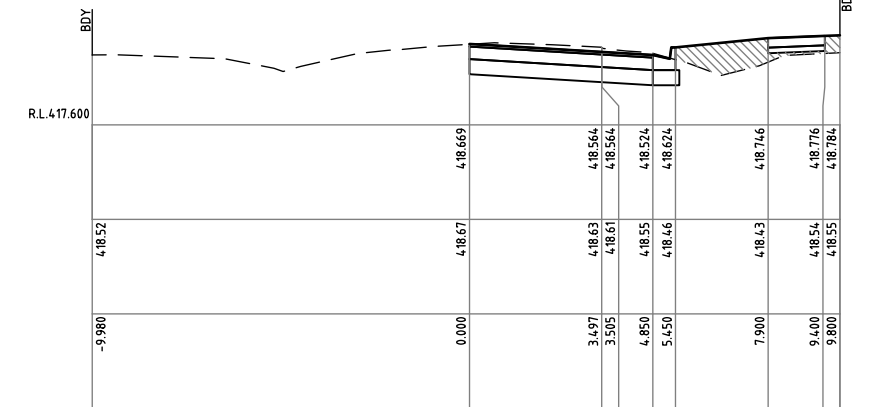
Ch 35.328
WEBB ROAD



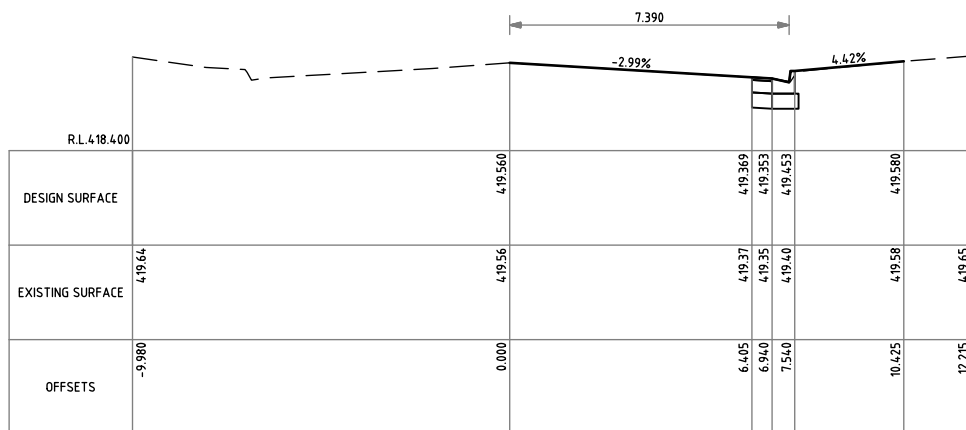
Ch -20.000
WEBB ROAD



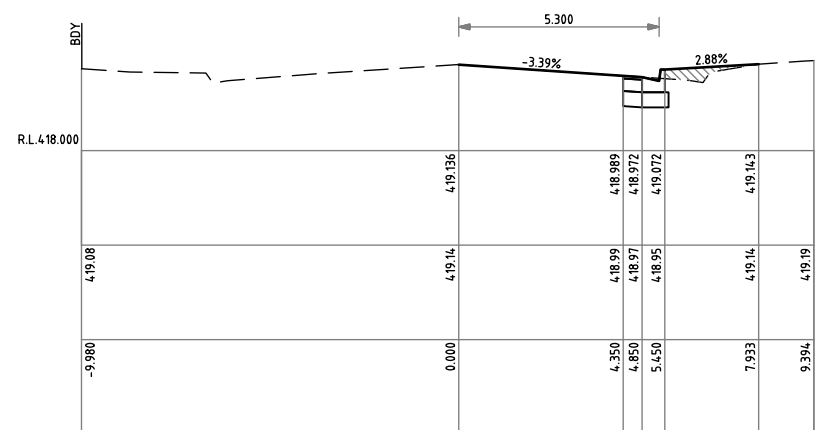
Ch 10.000
WEBB ROAD



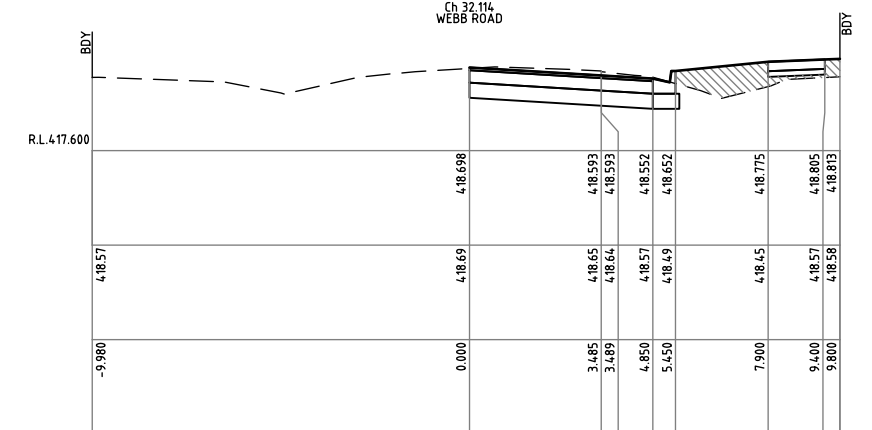
Ch 32.114
WEBB ROAD



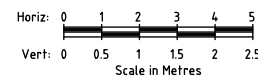
Ch -28.900
WEBB ROAD



Ch 0.000
WEBB ROAD



Ch 30.000
WEBB ROAD



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	APPROVED SELECT FILL

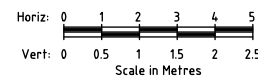
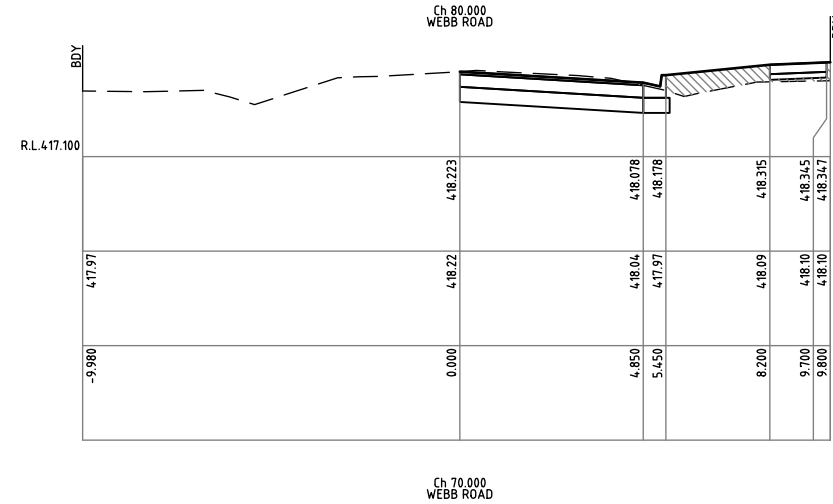
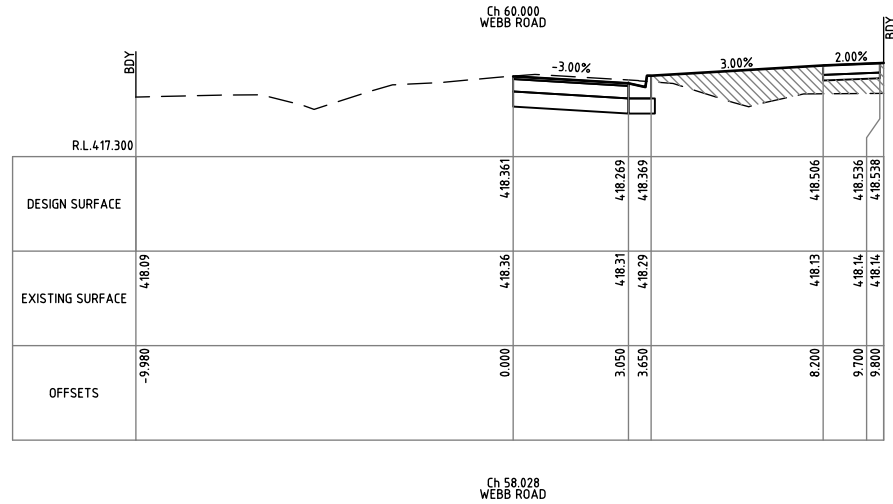
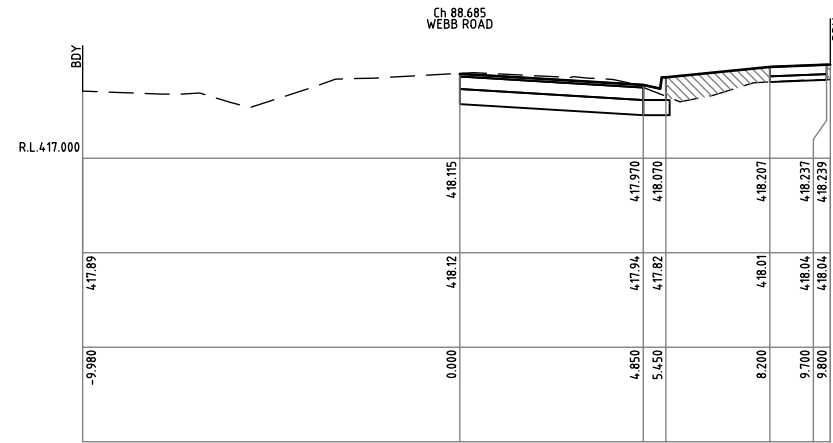
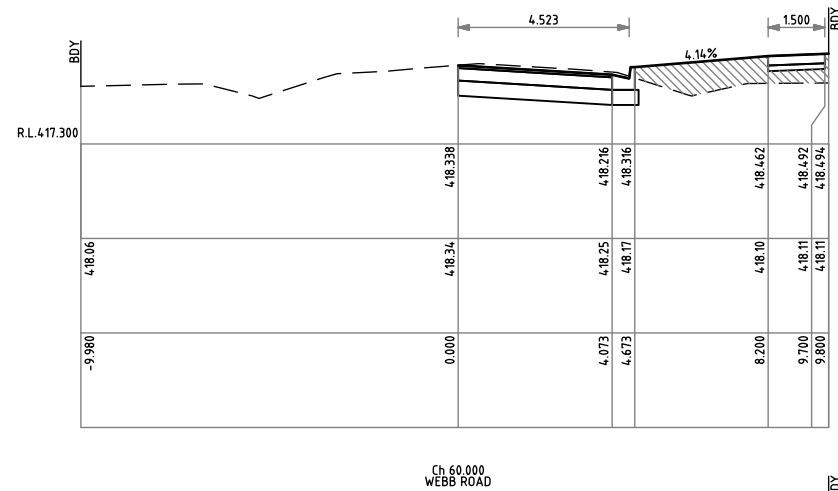
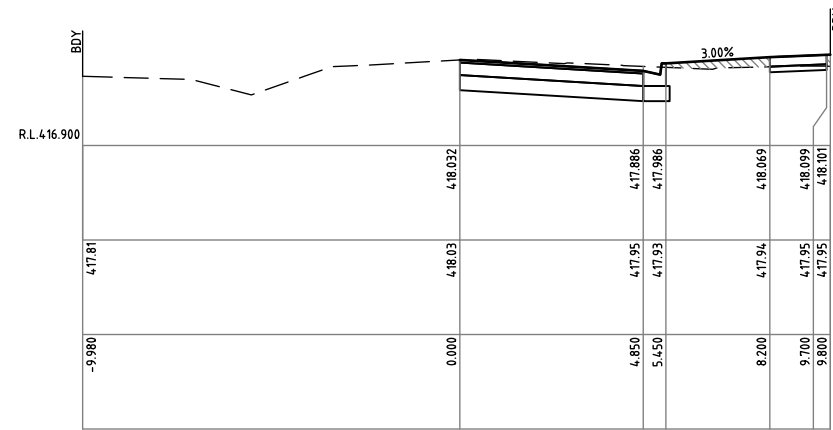
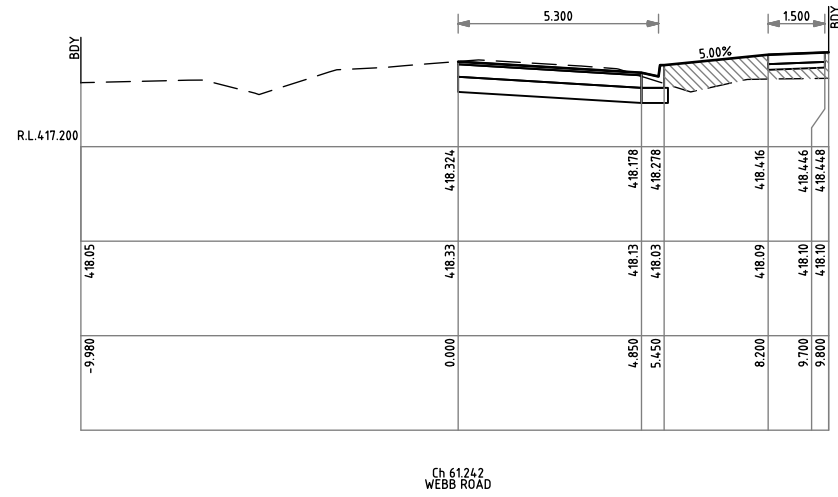


DESIGNED: A MURPHY	SCALE: H 1:100 V 1:50
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 08/03/2022



PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

CCIVIL REF. No.: 928RD-13	SHEET: 13	REV: 6
DRAWING TITLE: WEBB ROAD CROSS SECTIONS SHEET 1 OF 2		



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

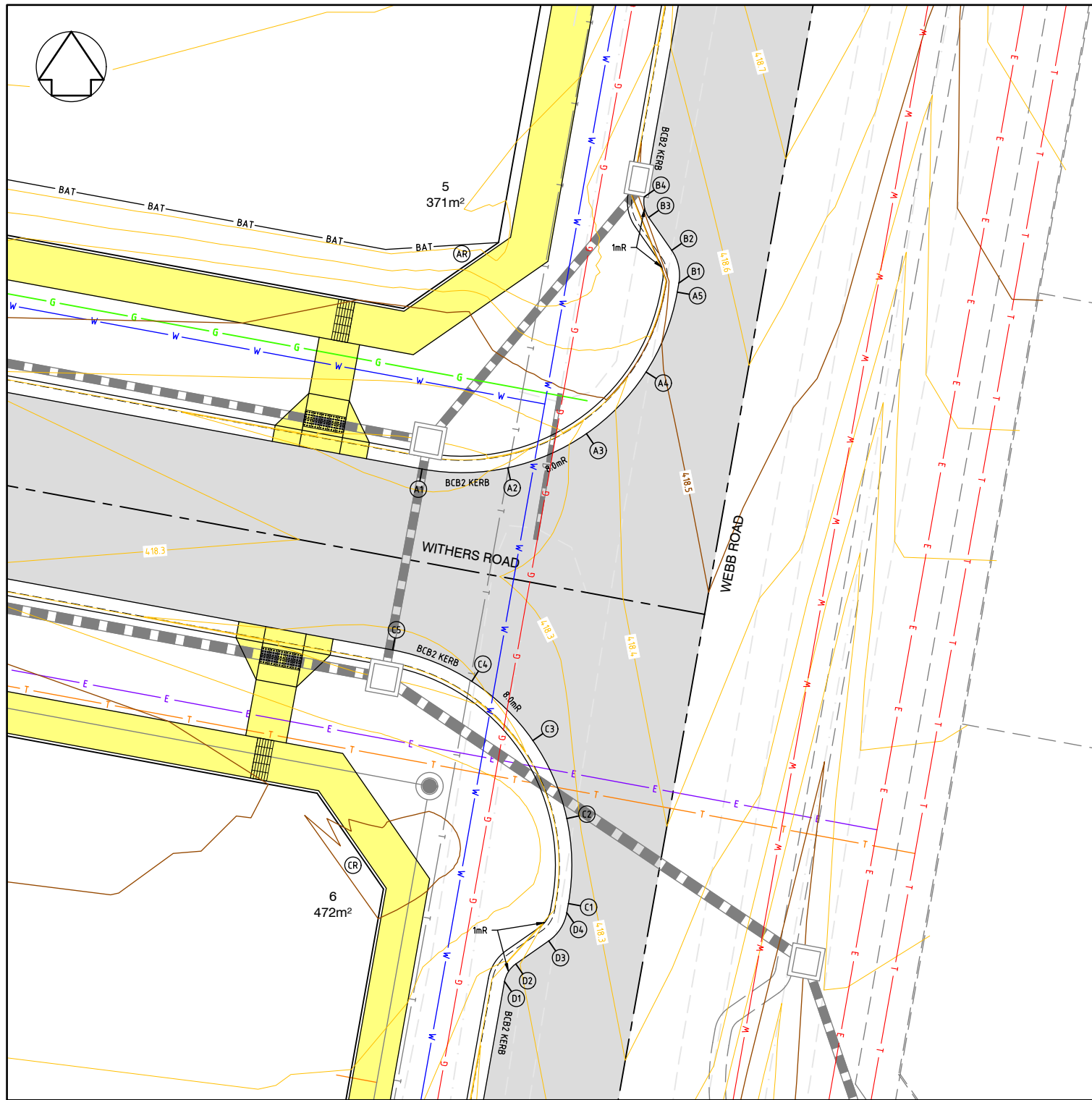
LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	APPROVED SELECT FILL

 Quality Certified Company ISO9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: H 1:100 V 1:50
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

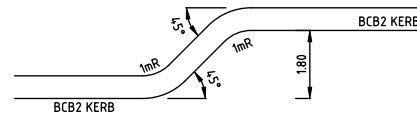
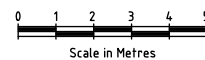
AXIOM CONSULTING ENGINEERS
ACN 100 526 458
 W: axiomce.com.au
 E: admin@axiomce.com.au
 P: 03 5331 2688
 6 Webster Street,
 Ballarat Victoria 3350

PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

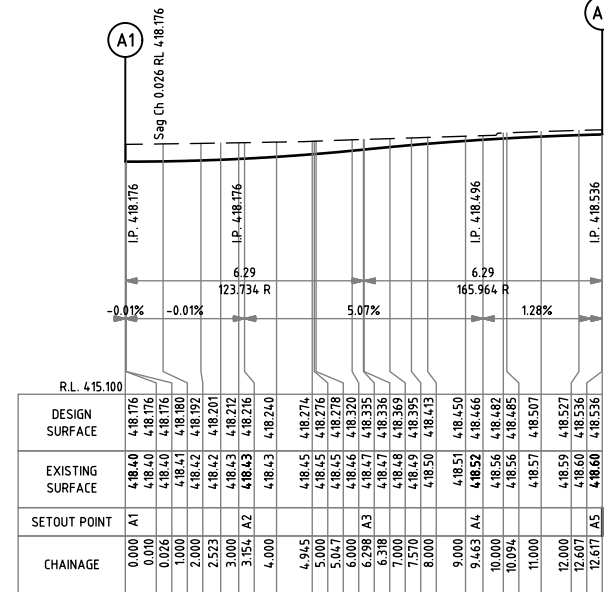
CCVIL REF. No.: 928RD-14	SHEET: 14	REV: 6
DRAWING TITLE: WEBB ROAD CROSS SECTIONS SHEET 2 OF 2		



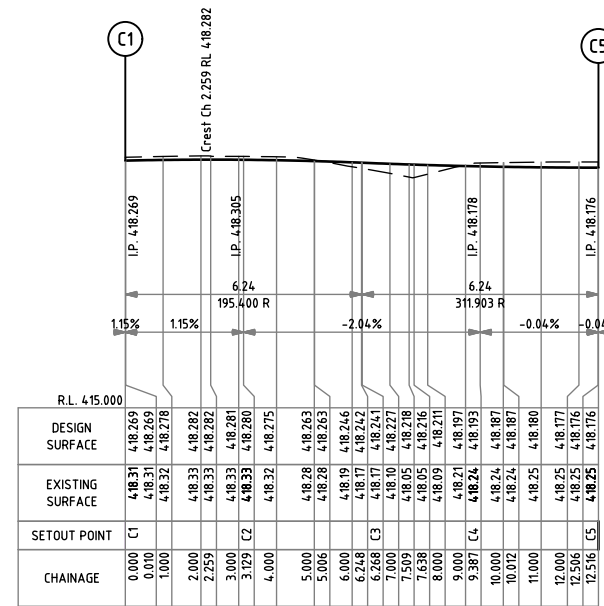
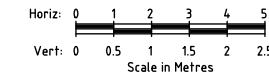
KERB SETOUT PLAN - KERBS A, B, C & D
SCALE 1:100



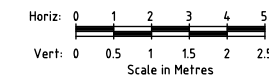
PARKING INDENT KERB TYPICAL DETAIL
SCALE: NTS
ARRANGEMENT MIRRORED ON KERB D



KERB A LONGITUDINAL SECTION
SCALE H 1:100 V 1:50



KERB C LONGITUDINAL SECTION
SCALE H 1:100 V 1:50



KERB A LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
A1	748264.514	5835385.837	418.176
A2	748267.647	5835385.883	418.216
A3	748270.523	5835387.129	418.336
A4	748272.699	5835389.384	418.466
A5	748273.842	5835392.302	418.536
AR	748265.965	5835393.704	-

KERB B LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
B1	748273.900	5835392.633	418.540
B2	748273.637	5835393.829	418.541
B3	748272.796	5835395.034	418.523
B4	748272.632	5835395.781	418.524

KERB C LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
C1	748269.863	5835369.953	418.269
C2	748269.803	5835373.061	418.280
C3	748268.562	5835375.912	418.241
C4	748266.328	5835378.074	418.193
C5	748263.439	5835379.222	418.176
CR	748261.986	5835371.355	-

KERB D LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
D1	748267.5269	5835367.1039	418.178
D2	748267.9392	5835367.7487	418.195
D3	748269.1636	5835368.5891	418.238
D4	748269.8033	5835369.6208	418.265

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
5	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

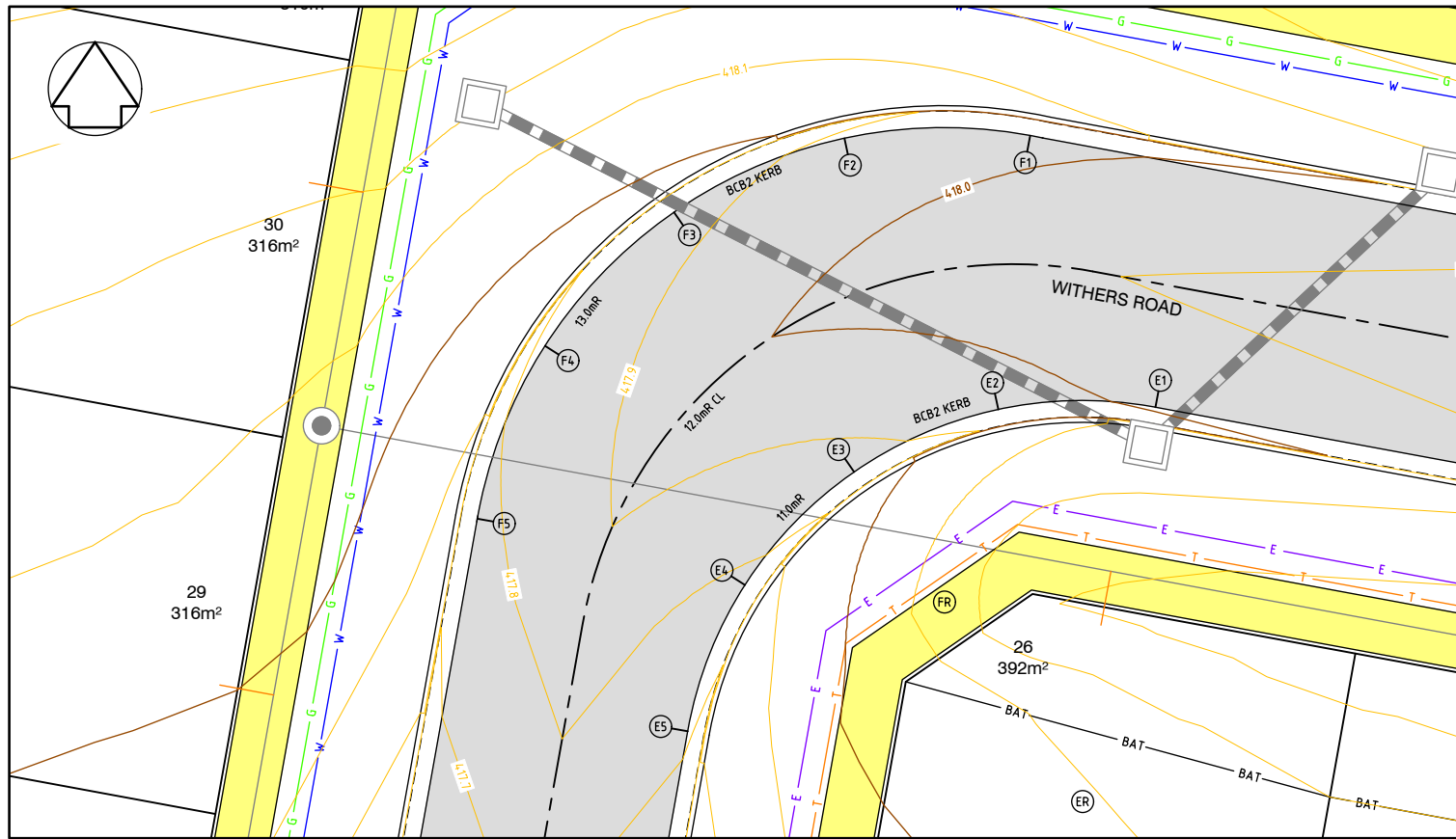
LEGEND					
	ROAD		WATER		PROPOSED WATER (BY OTHERS)
	FOOTPATH		GAS		PROPOSED GAS (BY OTHERS)
	BATTER		ELECTRICAL		PROPOSED ELEC (BY OTHERS)
	DRAINAGE		T'COMMS		PROPOSED T'COMMS (BY OTHERS)
	SEWER		EX. WATER		EX. GAS
	DESIGN SURFACE		EX. ELEC		EX. T'COMMS
	EXISTING SURFACE				

 Quality Certified Company ISO 9001:2008 REGISTRATION No. COU091-CC001	DESIGNED: A MURPHY	SCALE: AS SHOWN
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

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:
64 WEBB ROAD BONSHAW
 CLIENT:
WEBB ROAD PTY LTD

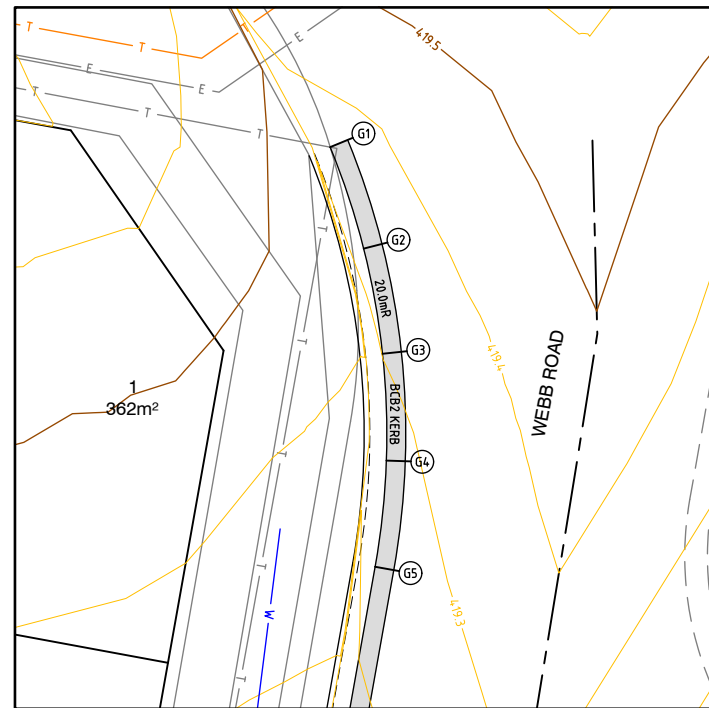
CCVIL REF. No.: **928RD-15** SHEET: **15** REV: **6**
 DRAWING TITLE:
KERB SETOUT PLAN SHEET 1 OF 2



KERB SETOUT PLAN - KERBS E & F

KERB E LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
E1	748168.657	5835396.713	418.011
E2	748164.348	5835396.650	417.951
E3	748160.395	5835394.936	417.867
E4	748157.402	5835391.836	417.781
E5	748155.831	5835387.824	417.713
ER	748166.660	5835385.895	-

KERB F LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
F1	748165.221	5835404.160	417.973
F2	748160.130	5835404.085	417.917
F3	748155.457	5835402.061	417.867
F4	748151.921	5835398.396	417.820
F5	748150.064	5835393.654	417.777
FR	748162.873	5835391.368	-



KERB SETOUT PLAN - KERB G

KERB G LIP OF KERB SETOUT			
POINT NO.	EASTING	NORTHING	RL
G1	748279.996	5835454.926	419.353
G2	748280.882	5835452.242	419.334
G3	748281.381	5835449.460	419.302
G4	748281.483	5835446.635	419.269
G5	748281.185	5835443.825	419.236



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	ROAD
	FOOTPATH
	BATTER
	DRAINAGE
	SEWER
	WATER
	GAS
	ELECTRICAL
	T'COMMS
	EX. WATER
	EX. GAS
	EX. ELEC
	EX. T'COMMS



DESIGNED: A MURPHY	SCALE: 1:100
CHECKED: M PARKER	SHEET SIZE: A1
AUTHORISED: C COUGHLAN	DATE: 08/03/2022

AXIOM CONSULTING ENGINEERS

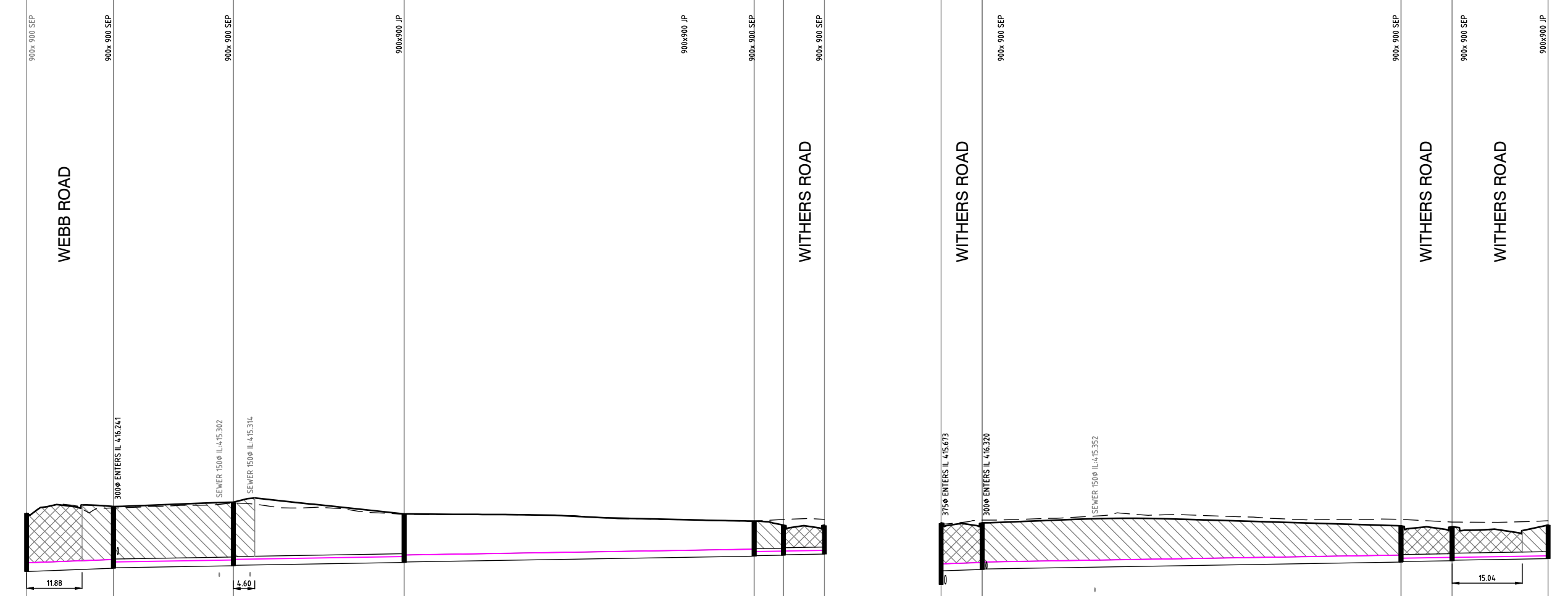
ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

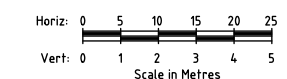
CCVIL REF. No.: 928RD-16	SHEET: 16	REV: 6
DRAWING TITLE: KERB SETOUT PLAN SHEET 2 OF 2		

EXP1 P1 P2 P3 P4 P5 P6 P1 P7 P8 P9 P10



20% AEP PART V (m/s)	1.55	1.01	1.02	1.04	0.84	0.81
HGL CAPACITY (l/sec)	211	137	137	76	77	76
FLOW (l/sec)	170.93	78.70	81.39	73.38	36.42	30.67
PIPE DIAMETER	375Ø	375Ø	375Ø	300Ø	300Ø	300Ø
PIPE CLASS	RCP Class 3	RCP Class 2	RCP Class 2	RCP Class 2	RCP Class 2	RCP Class 3
GRADE 1:	1:131.9	1:300.0	1:300.0	1:300.0	1:298.0	1:303.4
SLOPE %	0.8%	0.3%	0.3%	0.3%	0.3%	0.3%
DATUM RL 407.2						
HGL 1% AEP	415.887	416.639	416.274	416.485	417.795	417.807
HGL 20% AEP	415.887	416.028	416.007	416.155	416.471	416.491
DEPTH TO INVERT	2.498	2.623	2.703	2.080	1.503	1.268
INVERT LEVEL	415.512	415.653	415.759	415.901	416.171	416.212
FINISHED SURFACE	418.010	418.276	418.462	417.981	417.674	417.480
EXISTING SURFACE	418.010	418.238	418.452	417.965	417.673	417.746
CHAINAGE	0.000	18.593	25.684	36.599	74.999	88.800

HGL 1% AEP	416.541	416.843	418.005	416.976	416.921	417.462
HGL 20% AEP	416.541	416.600	416.819	416.820	416.816	416.950
DEPTH TO INVERT	2.035	1.976	1.531	1.435	1.414	1.439
INVERT LEVEL	416.241	416.300	416.619	416.676	416.696	416.765
FINISHED SURFACE	418.276	418.276	418.150	418.111	418.111	418.204
EXISTING SURFACE	418.238	418.418	418.449	418.333	418.389	418.389
CHAINAGE	8.800	27.393	117.132	128.089	148.647	20.557



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	HYDRAULIC GRADE LINE (HGL) - 20% AEP
	HYDRAULIC GRADE LINE (HGL) - 1% AEP
	CL3 FCR BACKFILL UNDER FOOTPATH/ IN NATURESTRIPS - REFER IDM SD 310
	CL2 FCR BACKFILL UNDER ROADS - REFER IDM SD 310

ISO 9001 Certified
Quality Assurance

DESIGNED: A MURPHY
CHECKED: M PARKER
AUTHORISED: C COUGHLAN

SCALE: H 1:500 V 1:100
SHEET SIZE: A1
DATE: 08/03/2022

Quality Certified Company
ISO9001:2008
REGISTRATION No. COU891-CC001

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: 64 WEBB ROAD BONSHAW

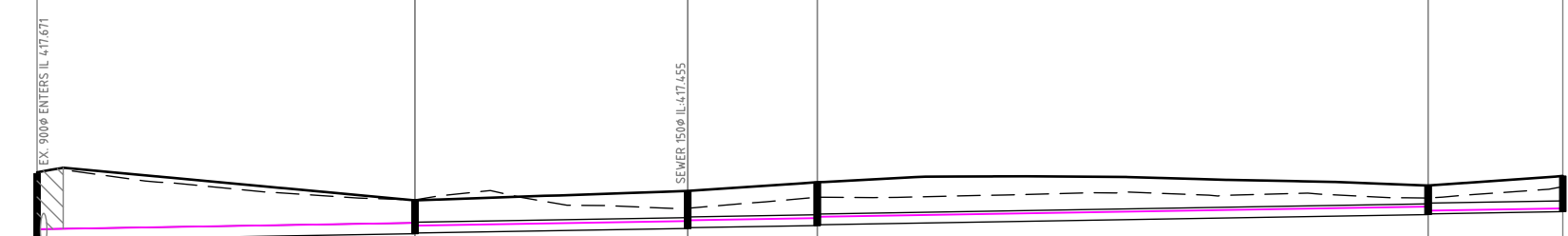
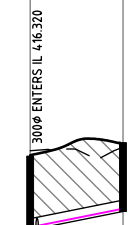
CLIENT: WEBB ROAD PTY LTD

CCVIL REF. No. 928RD-17
DRAWING TITLE: DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 2

SHEET: 17
REV: 6

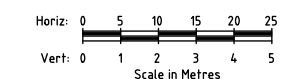
P7 P11 P12 P13 P14 P15 P16 P17

900x 900 SEP 900x 600 GSEEP 1200x900 JP 600x 900 JP 600x 900 JP 600x 900 JP 600x 900 JP 600x 900 JP



20% AEP PART V (m/s)	1.90	0.98	0.88	0.88	0.89	0.61
HGL CAPACITY (l/sec)	277	76	76	76	76	76
FLOW (l/sec)	25.46	68.92	44.98	45.83	50.16	10.89
PIPE DIAMETER	300φ	300φ	300φ	300φ	300φ	300φ
PIPE CLASS	RCP Class 2	RCP Class 2	RCP Class 2	RCP Class 2	RCP Class 2	RCP Class 2
GRADE 1:	1.25.0	1.300.0	1.300.0	1.300.0	1.300.0	1.300.0
SLOPE %	4.0%	0.3%	0.3%	0.3%	0.3%	0.3%
DATUM RL 408						

HGL 1% AEP	418.142	418.142	418.142	418.142	418.142	418.142
HGL 20% AEP	416.393	416.393	416.393	416.393	416.393	416.393
DEPTH TO INVERT	1.956	1.956	1.956	1.956	1.956	1.956
INVERT LEVEL	416.320	416.320	416.320	416.320	416.320	416.320
FINISHED SURFACE	418.276	418.276	418.276	418.276	418.276	418.276
EXISTING SURFACE	418.118	418.118	418.118	418.118	418.118	418.118
CHAINAGE	27.393	39.674	74.891	112.892	130.977	215.977



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	DESIGN SURFACE
	EXISTING SURFACE
	HYDRAULIC GRADE LINE (HGL) - 20% AEP
	HYDRAULIC GRADE LINE (HGL) - 1% AEP
	CL3 FCR BACKFILL UNDER FOOTPATH/ IN NATURESTRIPS - REFER IDM SD 310
	CL2 FCR BACKFILL UNDER ROADS - REFER IDM SD 310

ISO 9001 Certified
Quality Assurance

DESIGNED: A MURPHY
CHECKED: M PARKER
AUTHORISED: C COUGHLAN

SCALE: H 1:500 V 1:100
SHEET SIZE: A1
DATE: 08/03/2022

Quality Certified Company
ISO9001:2008
REGISTRATION No. COU001-CC001

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: 64 WEBB ROAD BONSHAW

CLIENT: WEBB ROAD PTY LTD



CCVIL REF. No.: 928RD-18
DRAWING TITLE: DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 2

SHEET: 18
REV: 6

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	Easting	Northing	Road Name	Road Chainage	Comment
		(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	(m)	(m)			
EXP1	900x 900 SEP	900	900			375	415.512	2.498	418.010	748278.556	5835367.822	WEBB ROAD		CONNECT TO PIT. PIT TO BE CONSTRUCTED BY OTHERS AS PART OF WEBB ESTATE DEVELOPMENT
P1	900x 900 SEP	900	900	375	415.653	375	415.673	2.623	418.276	748263.136	5835378.210	WITHERS ROAD	11.092	BALLARAT SD-P1
P2	900x 900 SEP	900	900	375	415.759	375	415.779	2.703	418.462	748237.879	5835382.871	WITHERS ROAD	36.776	BALLARAT SD-P1
P3	Junction Pits	900	900	375	415.901	300	415.921	2.080	417.981	748231.466	5835346.838			BALLARAT SD-P10
P4	Junction Pits	900	900	300	416.171	300	416.191	1.503	417.674	748157.712	5835360.448			BALLARAT SD-P10
P5	900x 900 SEP	900	900	300	416.212	300	416.232	1.268	417.480	748152.688	5835364.179	WITHERS ROAD	154.845	BALLARAT SD-P1
P6	900x 900 SEP	900	900	300	416.261			1.219	417.480	748144.024	5835365.721	WITHERS ROAD	154.845	BALLARAT SD-P1
P7	900x 900 SEP	900	900	300	416.300	300	416.320	1.976	418.276	748264.733	5835386.864	WITHERS ROAD	11.092	BALLARAT SD-P1
P8	900x 900 SEP	900	900	300	416.619	300	416.639	1.531	418.150	748176.484	5835403.149	WITHERS ROAD	100.831	BALLARAT SD-P1
P9	900x 900 SEP	900	900	300	416.676	300	416.696	1.435	418.111	748168.466	5835395.680	WITHERS ROAD	107.360	BALLARAT SD-P1
P10	Junction Pits	900	900	300	416.765			1.439	418.204	748150.161	5835405.035			BALLARAT SD-P10
P11	900x 600 GSEP	600	900	300	416.811			1.821	418.632	748272.442	5835396.425	WEBB ROAD	31.514	GRATED SEP - IDM SD 475 SETOUT: COORDINATES GIVEN FOR CENTRE OF PIT SHAFT. PIT LID LEVEL GIVEN FOR TOP OF PIT, I.E. BACK OF KERB LEVEL
P12	Junction Pits	900	1200	900	417.671	900	417.671	2.019	419.690	748131.069	5835485.088			BALLARAT SD-P10 CONSTRUCT OVER EX. 900# RCP
P13	Junction Pits	600	900	300	418.017	300	418.037	0.926	418.944	748121.852	5835433.279			BALLARAT SD-P10 BOLT DOWN PIT COVER
P14	Junction Pits	600	900	300	418.164	300	418.184	1.043	419.206	748159.222	5835426.383			BALLARAT SD-P10 BOLT DOWN PIT COVER
P15	Junction Pits	600	900	300	418.244	300	418.264	1.207	419.451	748162.383	5835444.138			BALLARAT SD-P10 BOLT DOWN PIT COVER
P16	Junction Pits	600	900	300	418.548	300	418.568	0.809	419.356	748246.041	5835428.700			BALLARAT SD-P10 BOLT DOWN PIT COVER
P17	Junction Pits	600	900	300	418.631			0.992	419.623	748249.329	5835447.170			BALLARAT SD-P10 BOLT DOWN PIT COVER



AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE	 <p>Quality Certified Company ISO 9001:2008 REGISTRATION No. COU091-CC001</p>	DESIGNED: A MURPHY	SCALE: NTS	 <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>	PROJECT: 64 WEBB ROAD BONSHAW	CIVIL REF. No.: 928RD-19	SHEET: 19	REV: 6
6	"AS-CONSTRUCTED"	25/08/23		CHECKED: M PARKER	SHEET SIZE: A1		CLIENT: WEBB ROAD PTY LTD	DRAWING TITLE: DRAINAGE PIT SCHEDULE		
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022		AUTHORISED: C COUGHLAN	DATE: 08/03/2022					
1	ISSUED FOR CONSTRUCTION	17/10/2022								
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23								
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23								
5	ISSUED FOR APPROVAL	20/06/23								

Pipe Hydrology & HGL Report - DRAINAGE AEP: 20% - BONSHAW-2016																			
Pipe Connecting Pits (Downstream Upstream)	Pipe Class	Pipe Diameter	Pipe Mannings n	Pipe Flow Time	Pipe Design Tc	Pipe Rainfall Intensity	Upstream Pervious Areas	Upstream Impervious Areas	Total Upstream Areas	Total Effective Areas	Pipe Flow	Specified Inflow to Pipe	Total Pipe Flow	Pipe Velocity	Pipe Velocity Head	Pipe Friction loss	Pit Loss Coefficient	Pipe Head Loss	Pipe HGL Capacity
		(mm)		(min)	(min)	(mm/hr)	(Ha)	(Ha)	(Ha)	(Ha)	(l/s)	(l/s)	(l/s)	(m/s)	(m)	(m)	Ku	(m)	(l/s)
P5 P6	RCP Class 3	300	0.013	0.18	6.00	82.20	0.000	0.000	0.200	0.134	30.7		30.7	0.81	0.010	0.005	18.000	0.173	75.805
P9 P10	RCP Class 3	300	0.013	0.48	6.00	82.20	0.000	0.000	0.123	0.083	18.9		18.9	0.72	0.004	0.005	18.000	0.065	76.260
P4 P5	RCP Class 2	300	0.013	0.12	6.18	81.34	0.050	0.150	0.240	0.161	36.4		36.4	0.84	0.014	0.005	1.000	0.014	76.534
P8 P9	RCP Class 3	300	0.013	0.24	6.48	79.95	0.031	0.092	0.173	0.116	25.8		25.8	0.77	0.007	0.005	1.835	0.012	76.260
P3 P4	RCP Class 2	300	0.013	1.20	6.31	80.76	0.060	0.180	0.487	0.327	73.4		73.4	1.04	0.055	0.232	1.758	0.097	76.264
P7 P11	RCP Class 2	300	0.013	0.11	6.00	82.20	0.000	0.000	0.166	0.111	25.5		25.5	1.90	0.007	0.005	18.000	0.119	276.814
P7 P8	RCP Class 2	300	0.013	1.64	6.72	78.83	0.043	0.130	0.439	0.295	64.6		64.6	0.91	0.043	0.218	2.010	0.086	76.246
P2 P3	RCP Class 2	375	0.013	0.60	7.51	75.34	0.122	0.365	0.579	0.389	81.4		81.4	1.02	0.028	0.045	2.216	0.061	137.361
P1 P7	RCP Class 3	300	0.013	0.12	8.35	71.89	0.151	0.454	0.658	0.442	88.3		88.3	1.25	0.080	0.039	2.173	0.173	109.722
P1 P2	RCP Class 2	375	0.013	0.42	8.11	72.85	0.145	0.434	0.579	0.389	78.7		78.7	1.01	0.026	0.030	2.214	0.057	137.361
EXP1 P1	RCP Class 3	375	0.013	0.20	8.53	71.19	0.309	0.928	1.287	0.864	170.9		170.9	1.55	0.122	0.094	1.539	0.188	210.997
P16 P17	RCP Class 2	300	0.013	0.51	6.00	82.20	0.000	0.000	0.071	0.048	10.9		10.9	0.61	0.001	0.002	17.312	0.021	76.260
P15 P16	RCP Class 2	300	0.013	1.59	6.51	79.79	0.018	0.053	0.337	0.226	50.2		50.2	0.89	0.026	0.129	2.201	0.057	76.260
P14 P15	RCP Class 2	300	0.013	0.34	8.10	72.88	0.084	0.253	0.337	0.226	45.8		45.8	0.88	0.021	0.023	2.215	0.047	76.260
P13 P14	RCP Class 2	300	0.013	0.72	8.44	71.54	0.084	0.253	0.337	0.226	45.0		45.0	0.88	0.021	0.047	2.213	0.046	76.259
P12 P13	RCP Class 2	300	0.013	0.90	9.16	68.79	0.084	0.253	0.537	0.361	68.9		68.9	0.98	0.049	0.145	2.195	0.106	76.260

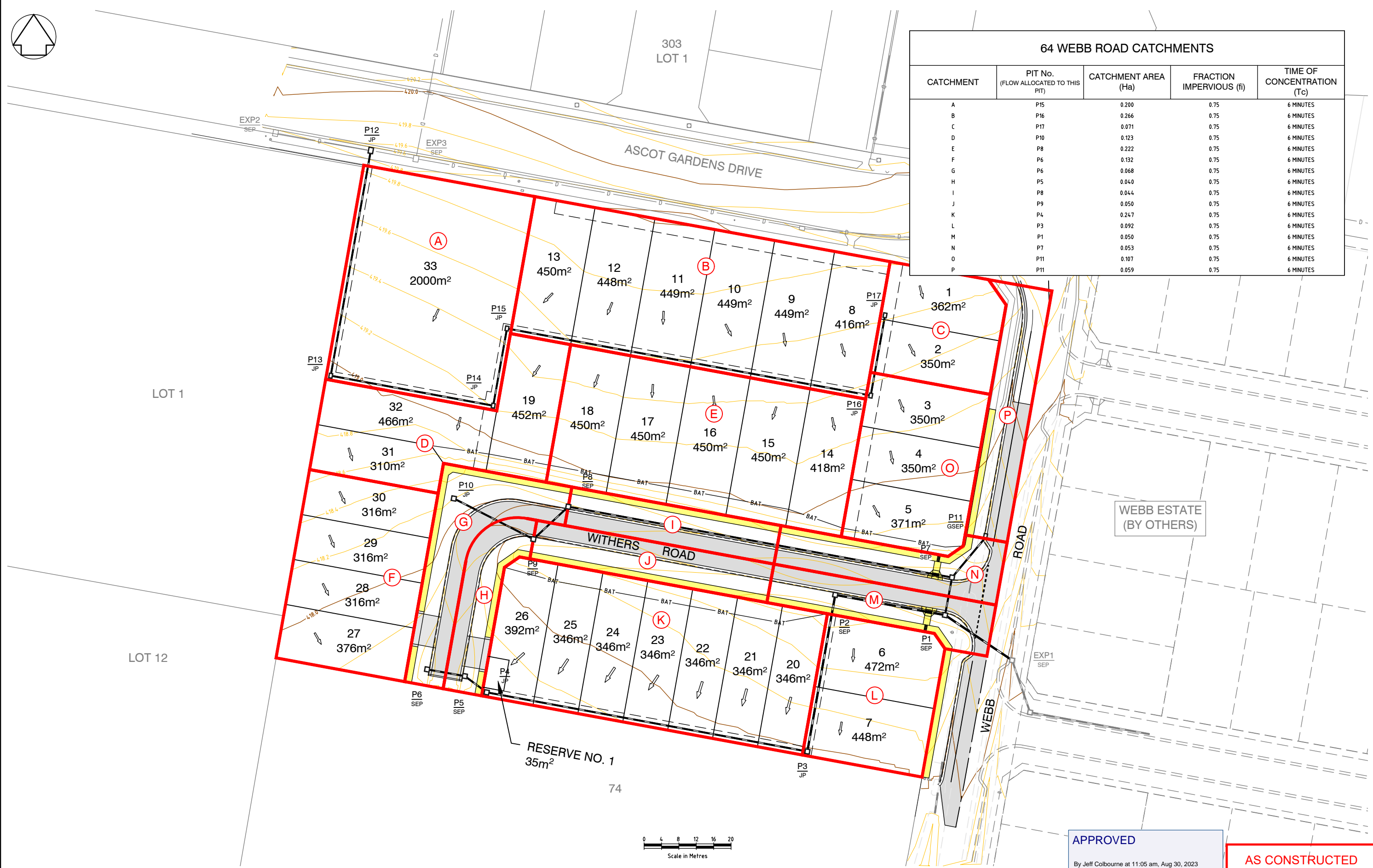
Pipe Hydrology & HGL Report - DRAINAGE AEP: 1% - BONSHAW-2016																			
Pipe Connecting Pits (Downstream Upstream)	Pipe Class	Pipe Diameter	Pipe Mannings n	Pipe Flow Time	Pipe Design Tc	Pipe Rainfall Intensity	Upstream Pervious Areas	Upstream Impervious Areas	Total Upstream Areas	Total Effective Areas	Pipe Flow	Specified Inflow to Pipe	Total Pipe Flow	Pipe Velocity	Pipe Velocity Head	Pipe Friction loss	Pit Loss Coefficient	Pipe Head Loss	Pipe HGL Capacity
		(mm)		(min)	(min)	(mm/hr)	(Ha)	(Ha)	(Ha)	(Ha)	(l/s)	(l/s)	(l/s)	(m/s)	(m)	(m)	Ku	(m)	(l/s)
P5 P6	RCP Class 3	300	0.013	0.13	6.00	175.00	0.000	0.000	0.200	0.170	82.5		82.5	1.17	0.069	0.034	18.000	1.250	75.805
P9 P10	RCP Class 3	300	0.013	0.38	6.00	175.00	0.000	0.000	0.123	0.104	50.7		50.7	0.89	0.026	0.032	18.000	0.473	76.260
P4 P5	RCP Class 2	300	0.013	0.07	6.13	173.91	0.050	0.150	0.240	0.204	98.4		98.4	1.39	0.099	0.034	1.000	0.099	76.534
P8 P9	RCP Class 3	300	0.013	0.18	6.38	171.66	0.031	0.092	0.173	0.147	70.0		70.0	0.99	0.050	0.031	1.835	0.092	76.260
P3 P4	RCP Class 2	300	0.013	0.44	6.20	173.25	0.060	0.180	0.487	0.413	198.8		198.8	2.81	0.404	1.574	1.758	0.710	76.264
P7 P11	RCP Class 2	300	0.013	0.08	6.00	175.00	0.000	0.000	0.166	0.141	68.5		68.5	2.50	0.048	0.033	18.000	0.861	276.814
P7 P8	RCP Class 2	300	0.013	0.60	6.57	170.06	0.043	0.130	0.439	0.372	175.9		175.9	2.49	0.316	1.485	2.010	0.635	76.246
P2 P3	RCP Class 2	375	0.013	0.29	6.64	169.38	0.122	0.365	0.579	0.491	231.1		231.1	2.09	0.223	0.331	2.216	0.495	137.361
P1 P7	RCP Class 3	300	0.013	0.04	7.17	164.94	0.151	0.454	0.658	0.558	255.8		255.8	3.62	0.668	0.302	2.173	1.452	109.722
P1 P2	RCP Class 2	375	0.013	0.21	6.94	166.84	0.145	0.434	0.579	0.491	227.7		227.7	2.06	0.217	0.225	2.214	0.480	137.361
EXP1 P1	RCP Class 3	375	0.013	0.07	7.21	164.61	0.309	0.928	1.287	1.092	499.3		499.3	4.52	1.043	0.752	1.539	1.604	210.997
P16 P17	RCP Class 2	300	0.013	0.39	6.00	175.00	0.000	0.000	0.071	0.060	29.3		29.3	0.80	0.009	0.010	17.312	0.152	76.260
P15 P16	RCP Class 2	300	0.013	0.74	6.39	171.58	0.018	0.053	0.337	0.286	136.3		136.3	1.93	0.190	0.860	2.201	0.417	76.260
P14 P15	RCP Class 2	300	0.013	0.16	7.13	165.26	0.084	0.253	0.337	0.286	131.3		131.3	1.86	0.176	0.170	2.215	0.390	76.260
P13 P14	RCP Class 2	300	0.013	0.34	7.29	163.96	0.084	0.253	0.337	0.286	130.2		130.2	1.84	0.173	0.352	2.213	0.383	76.259
P12 P13	RCP Class 2	300	0.013	0.30	7.63	161.20	0.084	0.253	0.537	0.456	204.0		204.0	2.89	0.425	1.161	2.195	0.933	76.260

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE	LEGEND	 Quality Certified Company ISO 9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: NTS	 ACN 100 526 458 W: axiomce.com.au E: admin@axiomce.com.au	PROJECT: 64 WEBB ROAD BONSHAW WEBB ROAD PTY LTD	CCIVIL REF. No.:	928RD-20	SHEET:	20	REV:	6
6	"AS-CONSTRUCTED"	25/08/23			CHECKED: M PARKER	SHEET SIZE: A1			DRAWING TITLE: DRAINAGE HYDROLOGY REPORTS					
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022			AUTHORISED: C COUGHLAN	DATE: 08/03/2022								
1	ISSUED FOR CONSTRUCTION	17/10/2022												
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23												
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23												
5	ISSUED FOR APPROVAL	20/06/23												



64 WEBB ROAD CATCHMENTS				
CATCHMENT	PIT No. (FLOW ALLOCATED TO THIS PIT)	CATCHMENT AREA (Ha)	FRACTION IMPERVIOUS (fi)	TIME OF CONCENTRATION (Tc)
A	P15	0.200	0.75	6 MINUTES
B	P16	0.266	0.75	6 MINUTES
C	P17	0.071	0.75	6 MINUTES
D	P10	0.123	0.75	6 MINUTES
E	P8	0.222	0.75	6 MINUTES
F	P6	0.132	0.75	6 MINUTES
G	P6	0.068	0.75	6 MINUTES
H	P5	0.040	0.75	6 MINUTES
I	P8	0.044	0.75	6 MINUTES
J	P9	0.050	0.75	6 MINUTES
K	P4	0.247	0.75	6 MINUTES
L	P3	0.092	0.75	6 MINUTES
M	P1	0.050	0.75	6 MINUTES
N	P7	0.053	0.75	6 MINUTES
O	P11	0.107	0.75	6 MINUTES
P	P11	0.059	0.75	6 MINUTES



APPROVED
By Jeff Colbourne at 11:05 am, Aug 30, 2023

AS CONSTRUCTED



ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	ROAD & FOOTPATH
	DRIVEWAYS
	VEHICLE CROSSOVER
	BATTER
	DRAINAGE
	EX. DRAINAGE
	EASEMENT
	SLOPE DIRECTION
	CATCHMENT AREAS

 ISO 9001 Quality Certified Company ISO 9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: 1:400
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

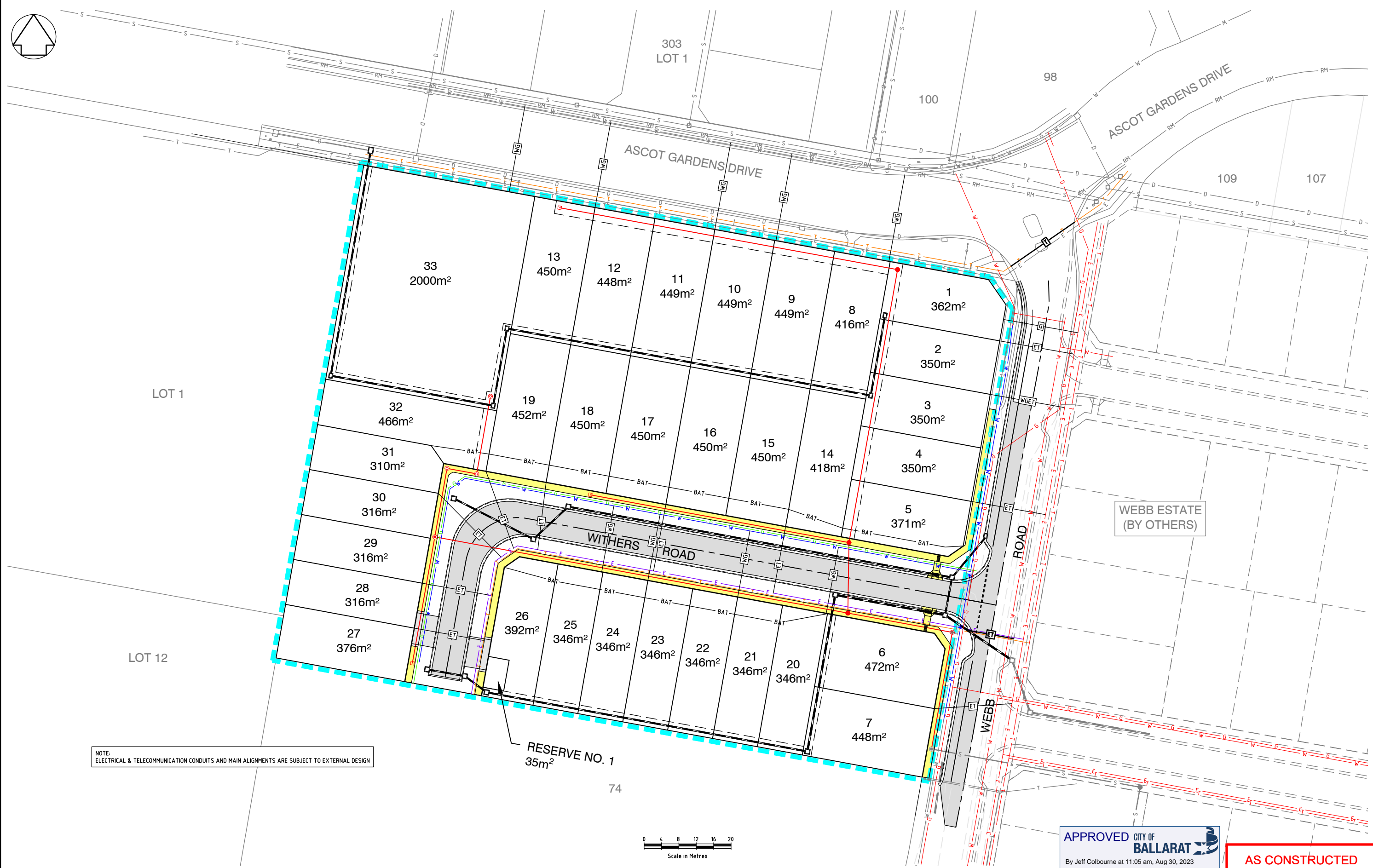
AXIOM CONSULTING ENGINEERS

ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT:	64 WEBB ROAD BONSHAW
CLIENT:	WEBB ROAD PTY LTD

CCVIL REF. No.	928RD-21	SHEET:	21	REV:	6
DRAWING TITLE: DRAINAGE CATCHMENT PLAN					



ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND			
	ROAD & FOOTPATH		WATER
	DRIVEWAYS		GAS
	BATTER		ELECTRICAL
	DRAINAGE		T'COMMS
	SEWER		EX. WATER
	EASEMENT		EX. GAS
	STAGE BOUNDARY		EX. ELEC
	EX. DRAINAGE		EX. T'COMMS
	EX. SEWER		EX. SEWER
	SRM		MINOR WATER & GAS CONDUIT
	PROPOSED WATER (BY OTHERS)		MINOR ELEC & T'COMS CONDUIT
	PROPOSED GAS (BY OTHERS)		MAJOR WATER & GAS CONDUIT
	PROPOSED ELEC (BY OTHERS)		MAJOR ELEC & T'COMS CONDUIT
	PROPOSED T'COMMS (BY OTHERS)		

 Quality Certified Company ISO 9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: 1:400
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

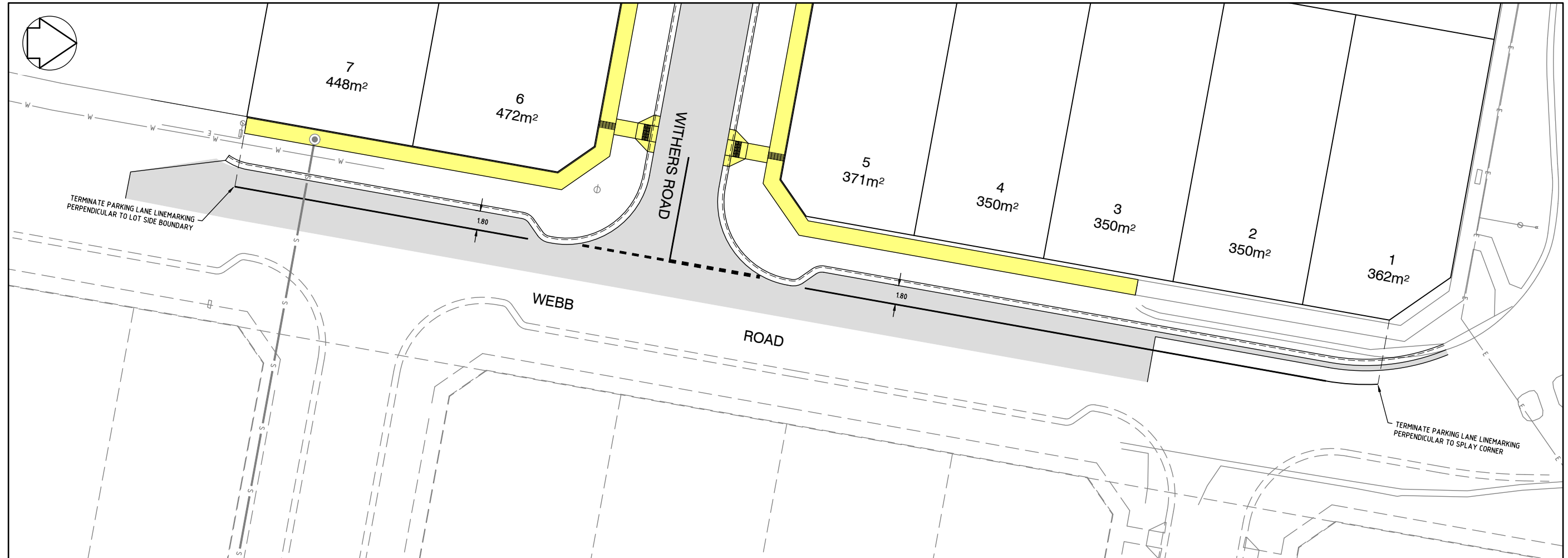
AXIOM CONSULTING ENGINEERS

ACN 100 526 458
W: axiomce.com.au
E: admin@axiomce.com.au

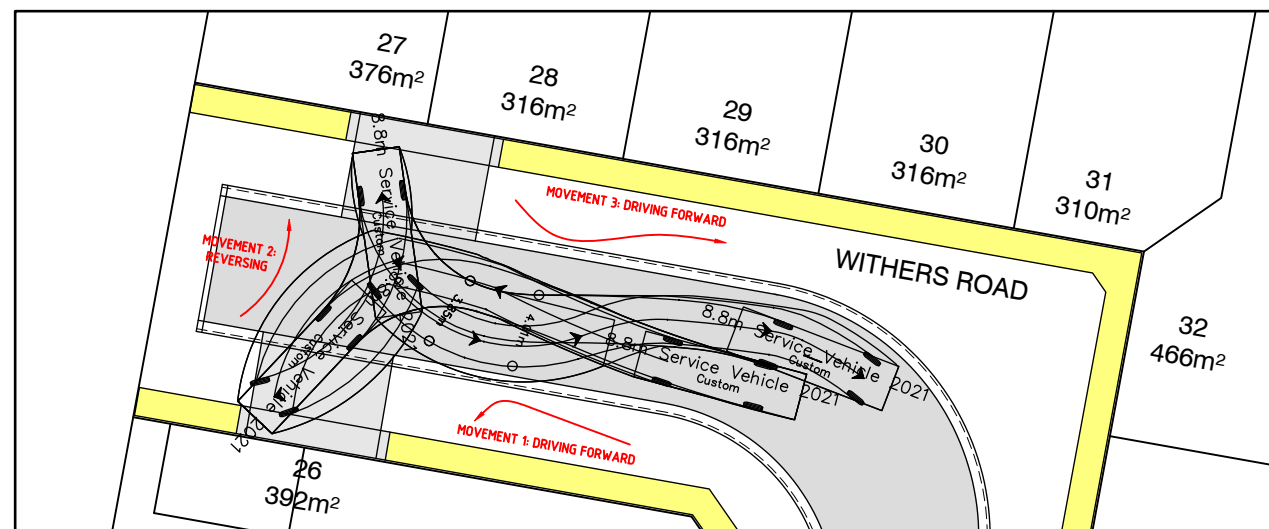
P: 03 5331 2688
6 Webster Street,
Ballarat Victoria 3350

PROJECT: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

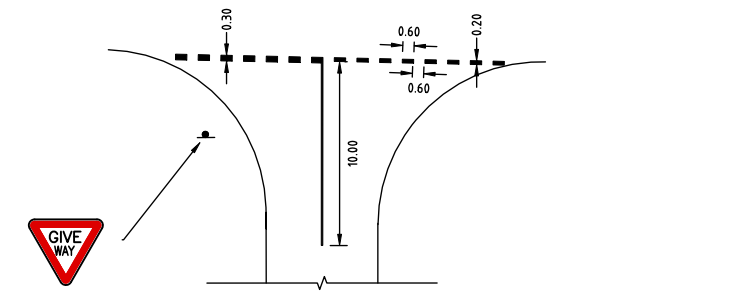
CCIVIL REF. No.: 928RD-22	SHEET: 22	REV: 6
DRAWING TITLE: SERVICES & CONDUIT PLAN		



LINEMARKING LAYOUT PLAN
SCALE 1:200



TURNING MOVEMENT PLAN
SCALE 1:200



TYPICAL PAVEMENTS MARKINGS AT GIVE WAY SIGNS
NTS

- NOTES**
- FOR FURTHER DETAILS REFER TO AS 1742.2-1994
 - COLOUR OF PAVEMENT MARKING TO BE WHITE
 - ROAD PAVEMENTS MAY BE MARKED BY ONE OR MORE OF THE FOLLOWING MATERIALS:
 - (a) PAINT-WITH OR WITHOUT GLASS BEADS EMBEDDED OR PREMIXED (SEE AS 4049.1)
 - (b) THERMOPLASTICS OR OTHER APPLIED IN SITU PLASTICS MATERIALS-WITH REFLECTIVE PROPERTIES
 - (c) PRE-CUT SHEETING-WITH REFLECTIVE PROPERTIES
 - (d) RAISED PAVEMENT MARKERS- REFLECTIVE STUDS (RRPM) SET INTO CARRIAGEWAY OR ATTACHED TO THE ROAD SURFACE WITH ADHESIVES (SEE CLAUSE 4.6 AS 1742.2)



APPROVED CITY OF BALLARAT
By Jeff Colbourne at 11:06 am, Aug 30, 2023

PAVEMENT LINEMARKING

AS CONSTRUCTED

ISSUE	DESCRIPTION	DATE
6	"AS-CONSTRUCTED"	25/08/23
B	AMENDED TO COUNCIL COMMENTS - ISSUED FOR APPROVAL	13/07/2022
1	ISSUED FOR CONSTRUCTION	17/10/2022
3	POWERCOR RESERVE ADDED TO LOT 26. IFC	09/02/23
4	IFC. LOT 4 & 19 HC'S UPDATED	09/03/23
5	ISSUED FOR APPROVAL	20/06/23

LEGEND	
	ROAD
	FOOTPATH

 Quality Certified Company ISO9001:2008 REGISTRATION No. COU891-CC001	DESIGNED: A MURPHY	SCALE: AS SHOWN
	CHECKED: M PARKER	SHEET SIZE: A1
	AUTHORISED: C COUGHLAN	DATE: 08/03/2022

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: 64 WEBB ROAD BONSHAW
CLIENT: WEBB ROAD PTY LTD

CCVIL REF. No.: 928RD-23	SHEET: 23	REV: 6
DRAWING TITLE: LINEMARKING PLAN & TURNING MOVEMENT PLAN		