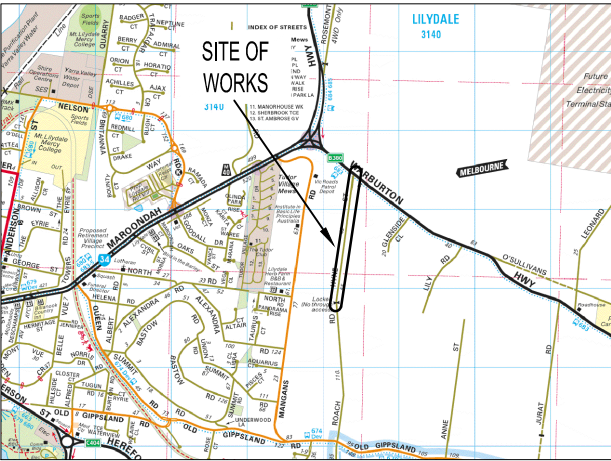




WARNING
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ROAD & DRAINAGE RECONSTRUCTION WORKS

HYNE STREET, LILYDALE

DRAWING INDEX

SHEET No.	TITLE
1	NOTES, LOCALITY PLAN, DRAWING INDEX & PAVEMENT DETAIL
2	OVERALL PLAN
3	GENERAL LAYOUT PLAN CH 000.000 - CH 120.000
4	GENERAL LAYOUT PLAN CH 120.000 - CH 260.000
5	GENERAL LAYOUT PLAN CH 271.134 - CH 420.000
6	GENERAL LAYOUT PLAN CH 427.608 - CH 570.000
7	GENERAL LAYOUT PLAN CH 572.695 - CH 647.212



LOCALITY MAP
MELWAY MAP 118
NOT TO SCALE

NOTES

GENERAL

- THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITY SERVICES PRIOR TO CARRYING OUT WORKS BY TELEPHONING 1100 "DIAL BEFORE YOU DIG".
- DISCREPANCIES BETWEEN PLANS AND EXISTING CONDITIONS ARE TO BE REPORTED IMMEDIATELY TO THE COUNCIL'S SUPERVISING ENGINEER.
- ALL SURPLUS EXCAVATED MATERIAL REMAINS THE PROPERTY OF THE CONTRACTOR UNLESS SPECIFIED OTHERWISE OR ADVISED BY THE COUNCIL'S SUPERVISING ENGINEER.
- "REMOVE" SHALL MEAN REMOVE OFF SITE AND DISPOSE OF AT AN APPROVED DISPOSAL SITE AT THE CONTRACTORS EXPENSE, UNLESS SPECIFIED OTHERWISE.
- ON COMPLETION OF CONSTRUCTION ALL WORK AREAS ARE TO BE CLEANED UP TO THE SATISFACTION OF COUNCIL'S SUPERVISING ENGINEER.

PAVEMENT

- ROAD CROSSFALL TO BE 1 IN 36 FALLING TOWARDS TABLE DRAIN OR KERB AND CHANNEL UNLESS SPECIFIED OTHERWISE.
- AT NEW FILL AREAS THE TOPSOIL SHALL BE STRIPPED AND FILLING MATERIAL PLACED IN 150mm THICK LAYER AND COMPACTED TO 95% A.A.S.H.O COMPACTION TEST, THE TOPSOIL IS THEN RESPREAD ON THE BATTER AREAS.
- NEW CONCRETE FOOTPATH PAVING TO BE 32 MPa STRENGTH.
- TACTILE GROUND SURFACE INDICATOR (TGS) PAVERS ARE TO BE 300mm x 300mm x 40mm PRE-CAST CONCRETE PAVERS AND SHALL HAVE A MINIMUM LUMINANCE CONTRAST OF 30% COMPARED TO THE AMOUNT OF LIGHT REFLECTED FROM THE ADJACENT SURFACE.

ROADSIDE

- EXISTING DRIVEWAY ENTRANCES TO BE REINSTATED AND SEALED FOR 1.0m FROM EDGE OF SEAL WITH 50mm COMPACTED DEPTH 10mm TYPE N ASPHALT ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- EXISTING DRIVEWAYS ARE TO BE REINSTATED FROM BACK OF KERB OR EDGE OF SEAL AT A MAXIMUM GRADE OF 1 IN 8 FOR 2.0m THEN 1 IN 4 THEREAFTER WITH A TRANSITION OF 1 IN 6 FOR 2.0m IS PREFERRED WHERE POSSIBLE AS PER:
 - GRAVEL DRIVEWAYS WITH 50mm COMPACTED DEPTH OF 3% CEMENT TREATED CRUSHED ROCK UNLESS SPECIFIED OTHERWISE.
 - ASPHALT DRIVEWAYS WITH 50mm COMPACTED DEPTH 10mm NOMINAL SIZE ASPHALT ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
 - CONCRETE DRIVEWAYS WITH 150mm DEPTH CONCRETE PAVING ON A BASE OF 50mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
 - BRICK PAVER DRIVEWAYS WITH SUITABLE HEAVY DUTY BRICK PAVERS ON 30mm OF BEDDING SAND ON A BASE OF 100mm COMPACTED DEPTH CLASS 2 FINE CRUSHED ROCK.
- TABLE DRAIN TO BE CLEANED, REDEFINED OR DEFINED AS NECESSARY ALONG THE HIGH SIDE OF THE ROADWAY, REFER TO TYPICAL SECTION FOR TABLE DRAIN PROFILE, MINIMUM DEPTH 300mm.
- CUT AND FILL BATTERS ARE TO BE GRADED AT A MAXIMUM OF 1 IN 3 UNLESS SPECIFIED OTHERWISE OR APPROVED BY THE COUNCIL'S SUPERVISING ENGINEER.
- FOOTPATH LEVELS TO MATCH EXISTING SERVICE AUTHORITY PIT LEVELS UNLESS OTHERWISE NOTED.

DRAINAGE

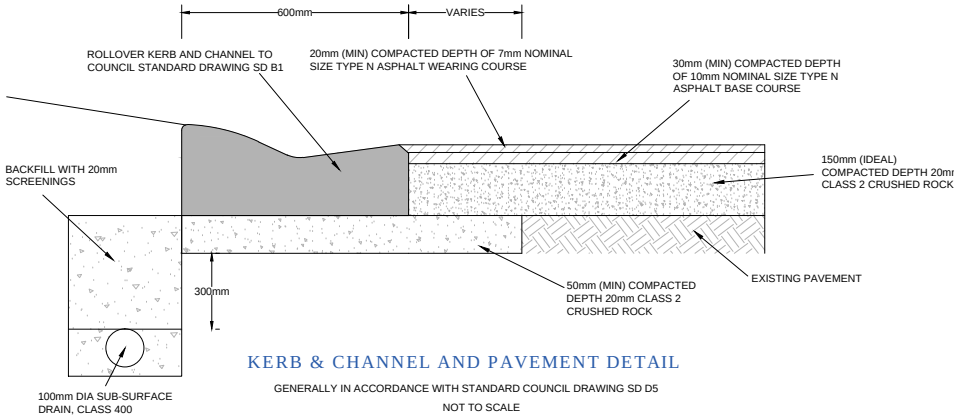
- ALL DRAINAGE PIPES TO BE CLASS 2 RUBBER RING JOINTED SPIGOT AND SOCKET UNLESS SPECIFIED OTHERWISE.
- ALL PROPERTY STORMWATER OUTLETS WITHIN 3.0m OF THE NEW DRAIN OR KERB, ARE TO BE CONNECTED TO UNDERGROUND DRAINAGE PIPES WHERE AVAILABLE, OR BACK OF KERB WHERE UNDERGROUND PIPES ARE NOT AVAILABLE.
- DRAINAGE PITS GREATER THAN 1.0m IN DEPTH TO BE PROVIDED WITH STEP IRONS AT 300mm CENTRES VERTICALLY.
- AG. DRAIN PLACED BEHIND KERB AND CHANNEL AS SHOWN ON PLAN, IF WITHIN 3.0 METRES OF ANY TREE, EXCAVATION TO BE HAND DUG OR BORED TO MINIMISE ROOT DAMAGE OF TREE.

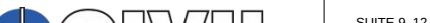
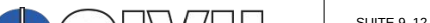
VEGETATION

- TREE PROTECTION ZONES (TPZ) HAVE BEEN SHOWN FOR ALL TREES LOCATED CLOSE TO THE WORKS AREA. WORKS AND ANY STOCKPILES OF CONSTRUCTION EQUIPMENT AND MATERIAL ARE TO BE CONTAINED OUTSIDE THE TPZ UNLESS SPECIFICALLY APPROVED BY THIS PLAN. PRIOR APPROVAL MUST BE SOUGHT FOR ANY WORKS NOT SPECIFIED AND APPROVED BY THIS PLAN THAT ARE TO BE CONDUCTED WITHIN THE TPZ OF ANY TREE.
- ONLY TREES SHOWN TO BE REMOVED ON THIS PLAN CAN BE REMOVED. ANY DAMAGE TO THE BARK, BRANCHES, TRUNKS OR ROOTS OF OTHER TREES SHOULD BE IMMEDIATELY REPORTED TO THE COUNCIL'S CONSTRUCTION SURVEILLANCE OFFICER BEFORE ANY WORKS CONTINUE AROUND THE SUBJECT VEGETATION.

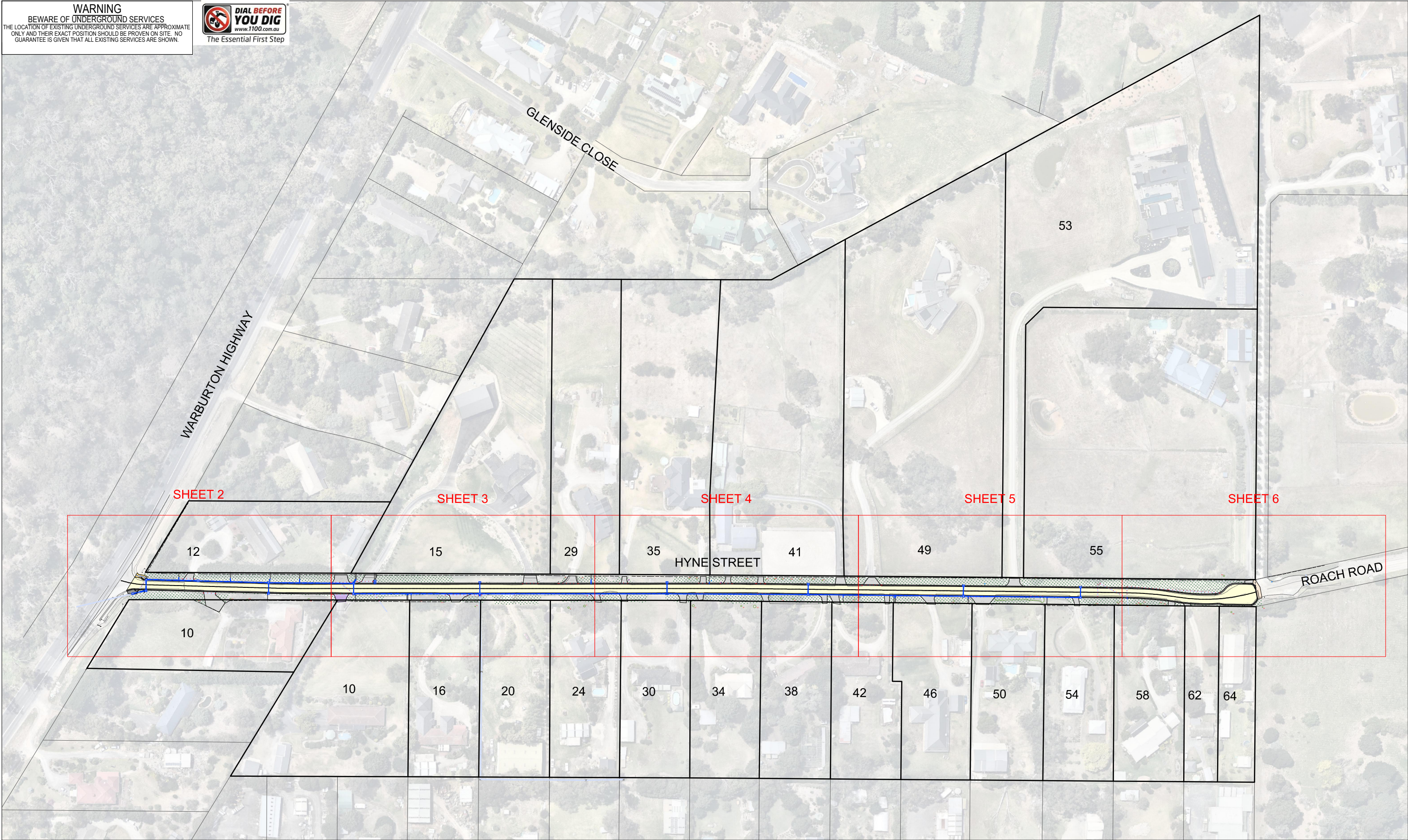
ANCILLARY

- ALL EXISTING SIGNS AND POSTS REMAIN THE PROPERTY OF THE COUNCIL.



			CONSULTANT ENGINEER		PROCVIL CONSULTING PTY LTD ABN 51 759 386 092 SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au		ORIENTATION  OR AS SHOWN		ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1 HEIGHT DATUM AHD COORDINATE DATUM MGA 94 ZONE 55 SURVEY DATE 30-05-2018 AERIAL IMAGE DATE 05-09-2018		LOCAL GOVERNMENT AREA SHIRE OF YARRA RANGES CLIENT  CLIENT PROJECT MANAGER / CONTACT DANNY LEONARD YARRA RANGES SHIRE COUNCIL		FUNCTIONAL DESIGN ROAD & DRAINAGE RECONSTRUCTION WORKS HYNE STREET, LILYDALE NOTES, LOCALITY PLAN, DRAWING INDEX & PAVEMENT DETAIL			PROJECT No. PC1741 SHEET No. 01 of 07 VERSION 09 DWG No. PC1741-FD-09	
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OVERALL PLAN



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FUNCTIONAL DESIGN

ROAD & DRAINAGE RECONSTRUCTION WORKS

HYNE STREET, LILYDALE

OVERALL PLAN

PROJECT No.

PC1741

SHEET No.

02 OF 07

VERSION

09

DWG No.

PC1741-FD-09

LEGEND

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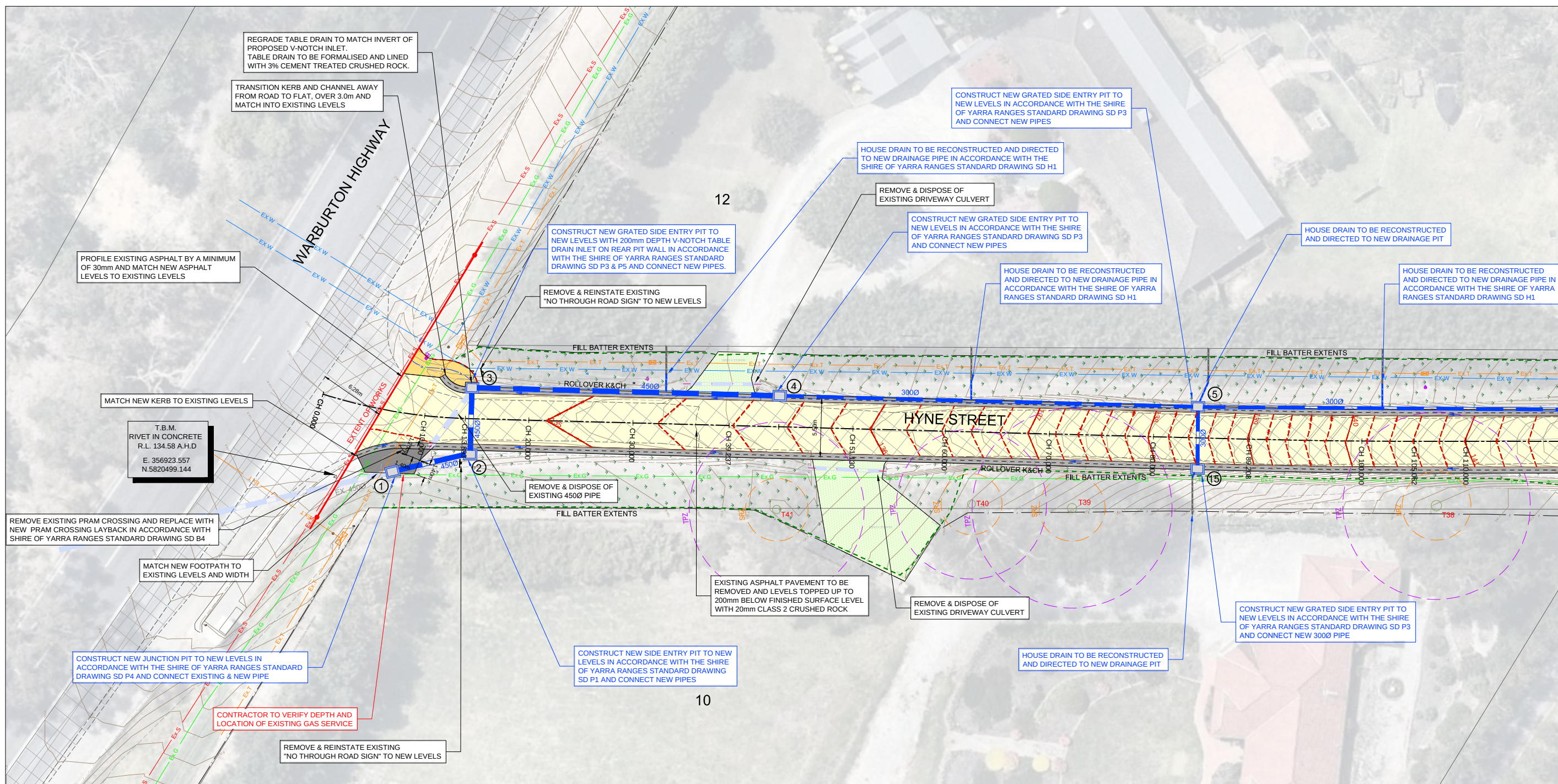
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- PROPOSED FOOTPATH AND PRAM CROSSING IN ACCORDANCE WITH THE SHIRE OF YARRA RANGES STANDARD DRAWINGS SD B4 AND SD B5
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- NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED ROLLOVER CONCRETE KERB & CHANNEL IN ACCORDANCE WITH THE SHIRE OF YARRA RANGES STANDARD DRAWING SD B1
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- DIRECTION OF CHANNEL FLOW
- FILL BATTER EXTENT
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SHIRE OF YARRA RANGES

CLIENT

CLIENT PROJECT MANAGER / CONTACT
DANNY LEONARD | YARRA RANGES SHIRE COUNCIL

FUNCTIONAL DESIGN

ROAD & DRAINAGE RECONSTRUCTION WORKS

HYNE STREET, LILYDALE

LAYOUT PLAN CH 00.000 - CH 120.000

PROJECT No.	PC1741
SHEET No.	03 OF 07
VERSION	09
DWG No.	PC1741-FD-09

CONTINUED ON SHEET 04

LEGEND

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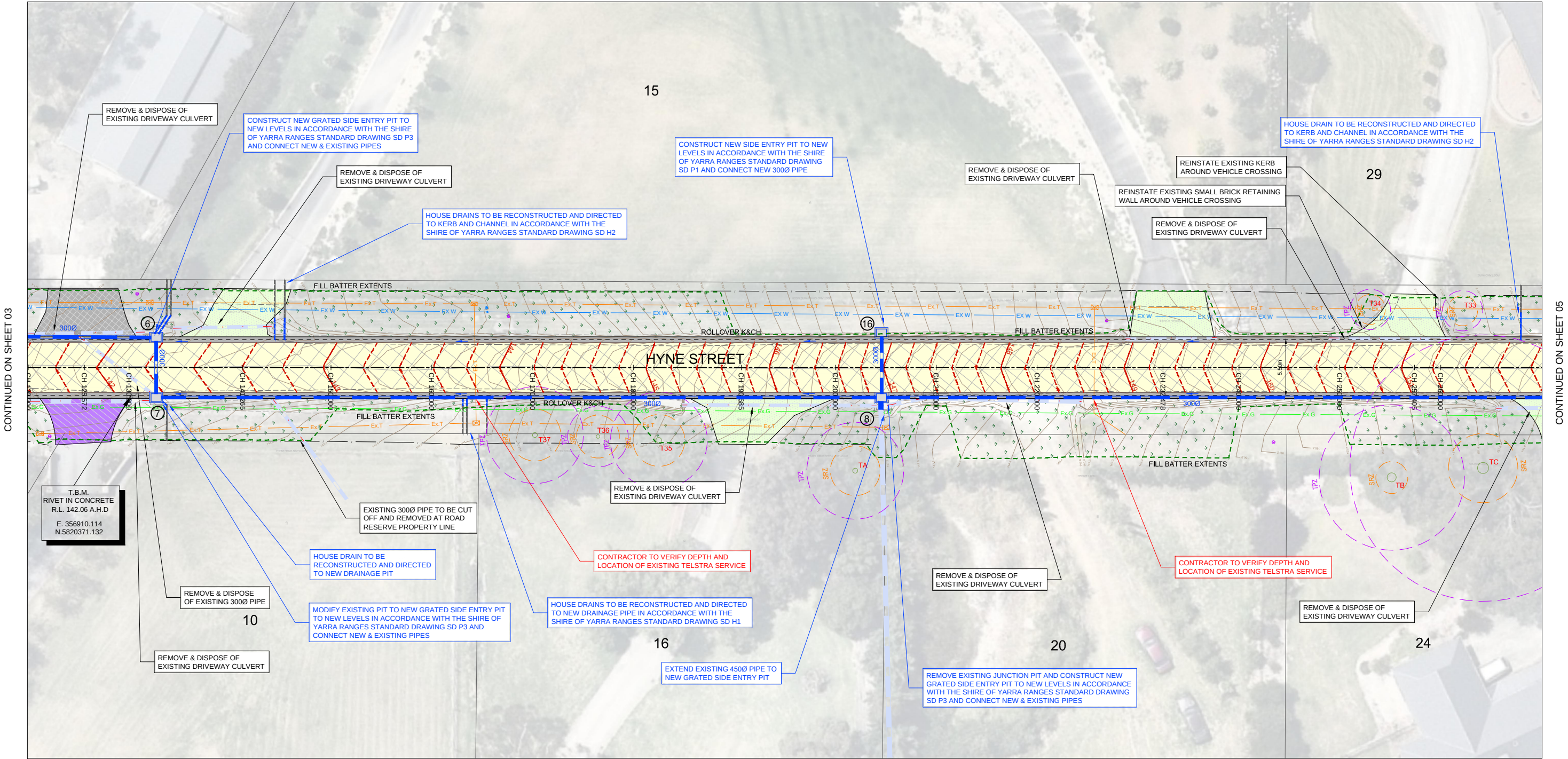
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- DIRECTION OF CHANNEL FLOW
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HYNE STREET, LILYDALE

LAYOUT PLAN CH 120.000 - CH 260.000

PROJECT No.
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SHEET No.
04 OF 07

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DIRECTION OF CHANNEL FLOW

FILL BATTER EXTENT

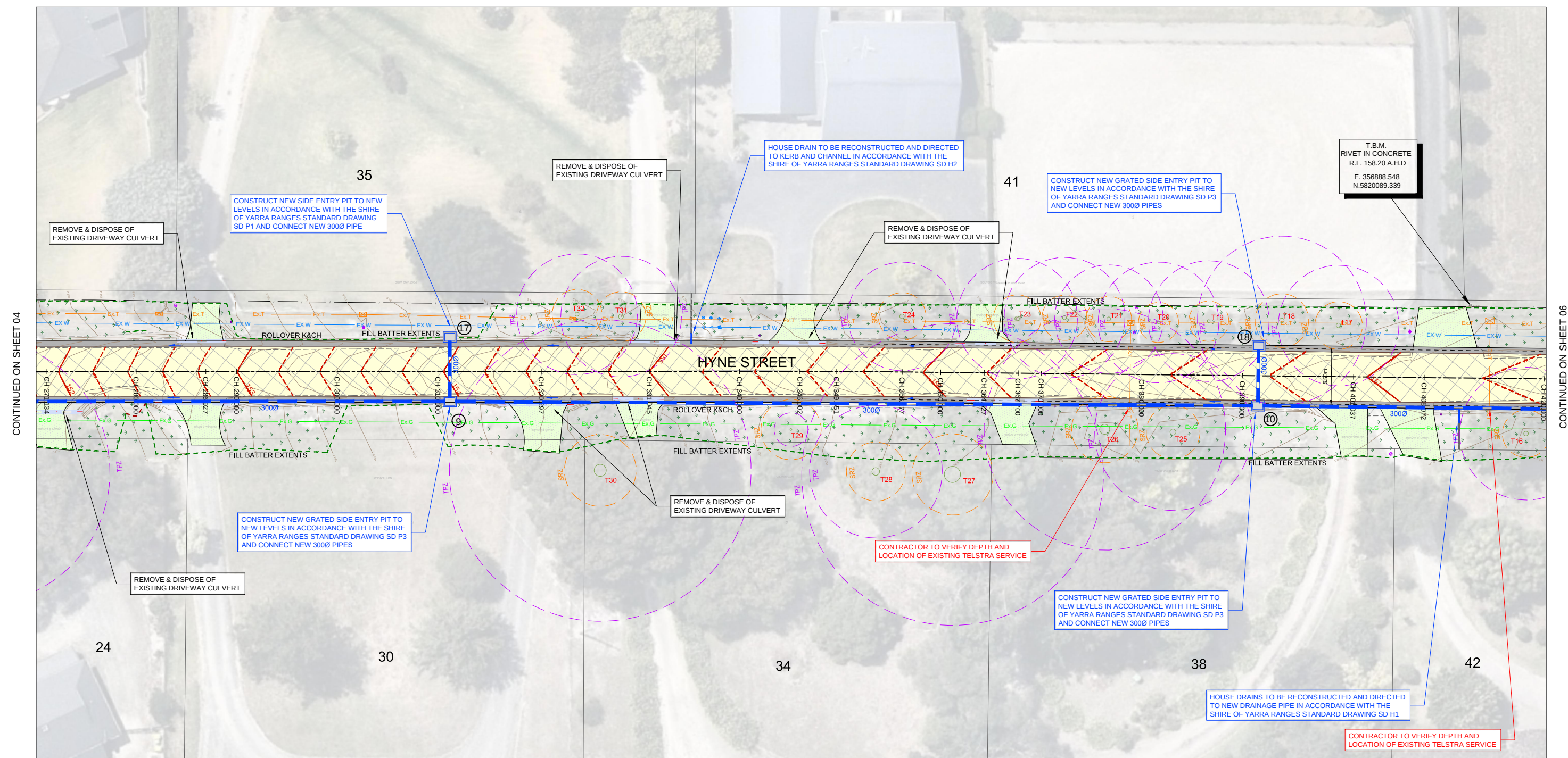
CUT BATTER EXTENT

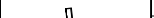
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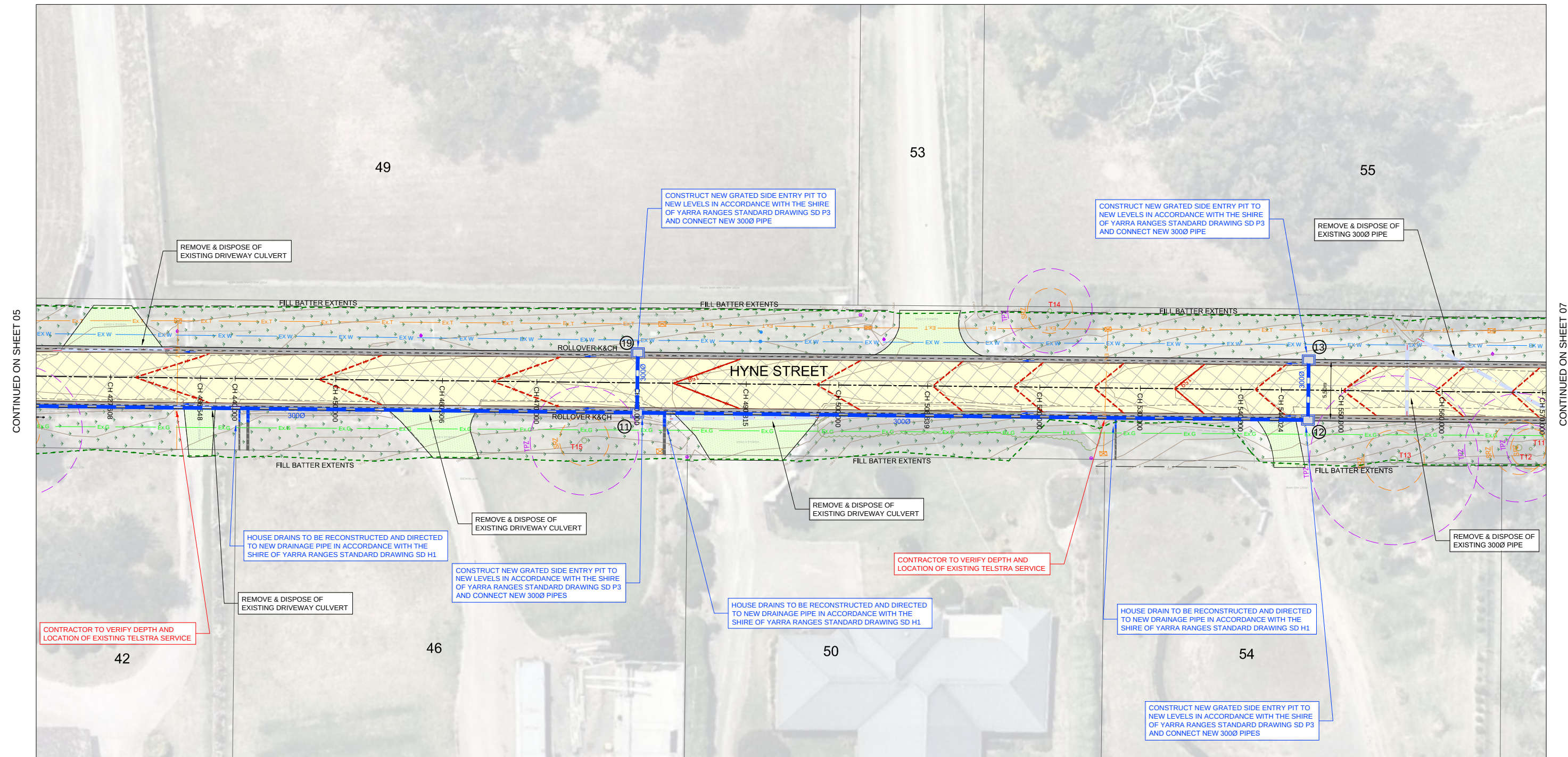
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GENERAL LAYOUT PLAN



			CONSULTANT ENGINEER		PROCIVIL CONSULTING PTY LTD ABN 51 759 386 092 SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au		ORIENTATION  OR AS SHOWN		ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1 HEIGHT DATUM AHD COORDINATE DATUM MGA 94 ZONE 55 SURVEY DATE 30-05-2018 AERIAL IMAGE DATE 05-09-2018		LOCAL GOVERNMENT AREA SHIRE OF YARRA RANGES CLIENT  CLIENT PROJECT MANAGER / CONTACT DANNY LEONARD YARRA RANGES SHIRE COUNCIL		PROJECT No. PC1741 SHEET No. 06 OF 07 VERSION 09 DWG No. PC1741-FD-09							
					PROCIVIL CONSULTING ENGINEERING Specialist Civil Engineering Design Consultants Commitment Communication Collaboration								FUNCTIONAL DESIGN ROAD & DRAINAGE RECONSTRUCTION WORKS HYNE STREET, LILYDALE LAYOUT PLAN CH 427.608 - CH 570.000							
09	FUNCTIONAL DESIGN - ISSUED FOR REVIEW		18-02-2021																	
04	DETAILED DESIGN - ISSUED FOR REVIEW		20-11-2018																	
03	DETAILED DESIGN - ISSUED FOR REVIEW		15-11-2018																	
02	FUNCTIONAL DESIGN - ISSUED FOR REVIEW		05-09-2018																	
01	FUNCTIONAL DESIGN - ISSUED FOR REVIEW		03-07-2018																	
00	FUNCTIONAL DESIGN - ISSUED FOR REVIEW		29-06-2018																	
VER	DESCRIPTION		DATE																	

LEGEND

- 20mm ASPHALT WEARING COURSE, 30mm ASPHALT BASE COURSE AND 150mm DEPTH OF 20mm CLASS 2 CRUSHED ROCK AS SHOWN IN DETAIL ON SHEET 1
- GRAVEL CROSSOVER TO BE 'TOPPED UP' WITH 20mm CLASS 2 CRUSHED ROCK AS DIRECTED BY COUNCIL
- EXISTING BITUMEN CROSSOVER TO BE SAWCUT AND ASPHALT OVERLAYED OR RECONSTRUCTED TO MATCH EXISTING
- EXISTING CONCRETE CROSSOVER TO BE SAWCUT, REMOVED AND REINSTATED TO MATCH EXISTING
- EXISTING ROAD PAVEMENT

- PROPOSED FULL DEPTH PAVEMENT IN ACCORDANCE WITH THE SHIRE OF YARRA RANGES STANDARD DRAWING SD A2
- LANDSCAPING AREA TO BE REINSTATED WITH SHIRE OF YARRA RANGES APPROVED TOPSOIL AND SEED
- EXISTING GRAVEL AREA TO BE CUT AND REINSTATED WITH 50mm MINIMUM DEPTH 20mm CLASS 2 CRUSHED ROCK
- PROPOSED FOOTPATH AND PRAM CROSSING IN ACCORDANCE WITH THE SHIRE OF YARRA RANGES STANDARD DRAWINGS SD B4 AND SD B5
- PROPOSED TABLE DRAIN TO BE FORMALISED AND LINED WITH 3% CEMENT TREATED CRUSHED ROCK

- NEW DRAINAGE PIT WITH PIT NUMBER AND PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED ROLLOVER CONCRETE KERB & CHANNEL IN ACCORDANCE WITH THE SHIRE OF YARRA RANGES STANDARD DRAWING SD B1
- PAVEMENT LINE MARKING
- DIRECTION OF CHANNEL FLOW
- FILL BATTER EXTENT
- CUT BATTER EXTENT

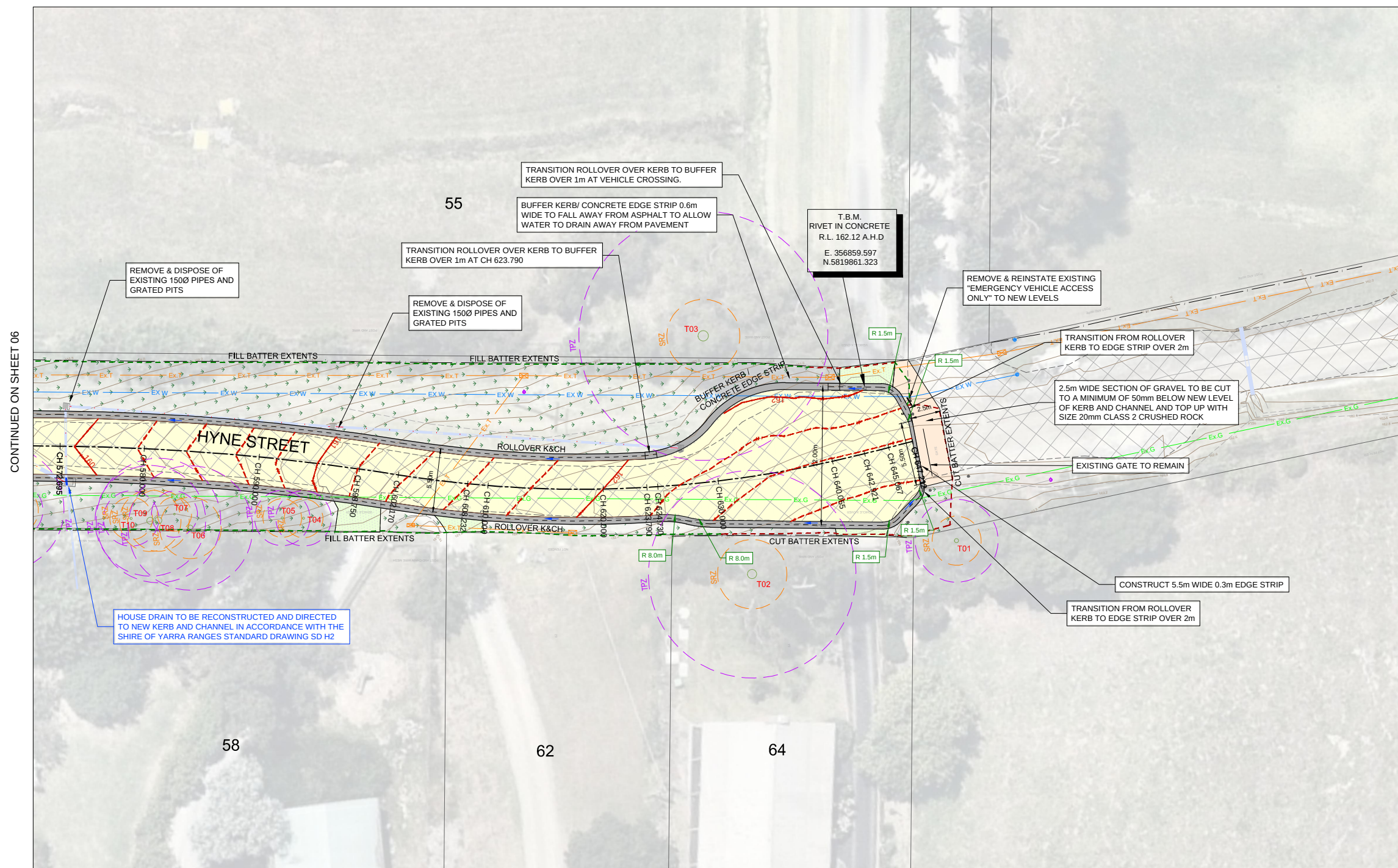
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- FINISHED SURFACE CONTOUR MAJOR
- FINISHED SURFACE MINOR
- EXISTING WATER
- EXISTING GAS
- EXISTING SEWER
- EXISTING TELECOMMUNICATIONS
- EXISTING UNDERGROUND ELECTRICITY
- TREE PROTECTION ZONE (TPZ) AND STRUCTURAL ROOT ZONE (SRZ)



WARNING
BEWARE OF UNDERGROUND SERVICES.
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TREE SCHEDULE

TREE	DBH (m)		TPZ (m)	SRZ (m)
	Buttress	H=1.4m		
T01	0.35	0.30	3.6	2.13
T02	0.80	0.75	9.0	3.01
T03	0.90	0.90	10.8	3.17
T04	0.20	0.20	2.4	1.68
T05	0.20	0.20	2.4	1.68
T06	0.60	0.45	5.4	2.67
T07	0.15	0.10	2.0	1.49
T08	0.60	0.60	7.2	2.67
T09	0.60	0.40	4.8	2.67
T10	0.25	0.20	2.4	1.85
T11	0.30	0.20	2.4	2.00
T12	0.60	0.45	5.4	2.67
T13	0.80	0.70	8.4	3.01
T14	0.40	0.35	4.2	2.25
T15	0.50	0.45	5.4	2.47
T16	0.45	0.55	6.6	2.37
T17	0.45	0.50	6.0	2.37
T18	0.60	0.70	8.4	2.67
T19	0.30	0.50	6.0	2.00
T20	0.30	0.50	6.0	2.00
T21	0.40	0.45	5.4	2.25
T22	0.40	0.50	6.0	2.25
T23	0.45	0.50	6.0	2.37
T24	0.45	0.45	5.4	2.37
T25	0.60	0.65	7.8	2.67
T26	1.00	1.00	12.0	3.31
T27	1.60	1.70	15.0	4.03
T28	0.75	0.55	6.6	2.93
T29	0.20	0.15	2.0	1.68
T30	1.20	1.30	15.0	3.57
T31	0.50	0.50	6.0	2.47
T32	0.40	0.50	6.0	2.25
T33	0.15	0.10	2.0	1.49
T34	0.15	0.10	2.0	1.49
T35	0.55	0.40	4.8	2.57
T36	0.35	0.25	3.0	2.13
T37	0.50	0.40	4.8	2.47
T38	1.00	0.75	9.0	3.31
T39	0.90	0.80	9.6	3.17
T40	0.75	0.60	7.2	2.93
T41	0.80	0.70	8.4	3.01
TA	0.50	0.40	4.8	2.47
TB	0.90	0.60	7.2	3.17
TC	1.10	1.10	13.2	3.44



GENERAL LAYOUT PLAN



		CONSULTANT ENGINEER	PROCVIL CONSULTING ENGINEERING Specialist Civil Engineering Design Consultants Commitment Communication Collaboration	PROCVIL CONSULTING PTY LTD ABN 51 759 386 082 SUITE 9, 12 MAROONDAH HWY, RINGWOOD VIC 3134 PO BOX 164, RINGWOOD VIC 3134 P: (03) 8644 6834 E: info@procivil.com.au www.procivil.com.au	ORIENTATION 	ORIGINAL SCALE & SHEET SIZE AS SHOWN @ A1 HEIGHT DATUM AHD COORDINATE DATUM MGA 94 ZONE 55 SURVEY DATE 30-05-2018 AERIAL IMAGE DATE 05-09-2018	LOCAL GOVERNMENT AREA SHIRE OF YARRA RANGES CLIENT 	FUNCTIONAL DESIGN ROAD & DRAINAGE RECONSTRUCTION WORKS HYNE STREET, LILYDALE LAYOUT PLAN CH 572.695 - CH 647.212	PROJECT No. PC1741 SHEET No. 07 OF 07 VERSION 09 DWG No. PC1741-FD-09
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