


T.B.M. NO.	EASTING (m)	NORTHING (m)	A.H.D LEVEL (m)	DESCRIPTION	TBM DATE OF SURVEY
39	315090.66	5845469.02	234.430	STAR PICKET	3/12/2021
101	315125.32	5845363.70	234.04	STAR PICKET	3/12/2021
107	315260.93	5845477.30	232.545	STAR PICKET	3/12/2021

NOTE: TBM AT EXISTING SURFACE

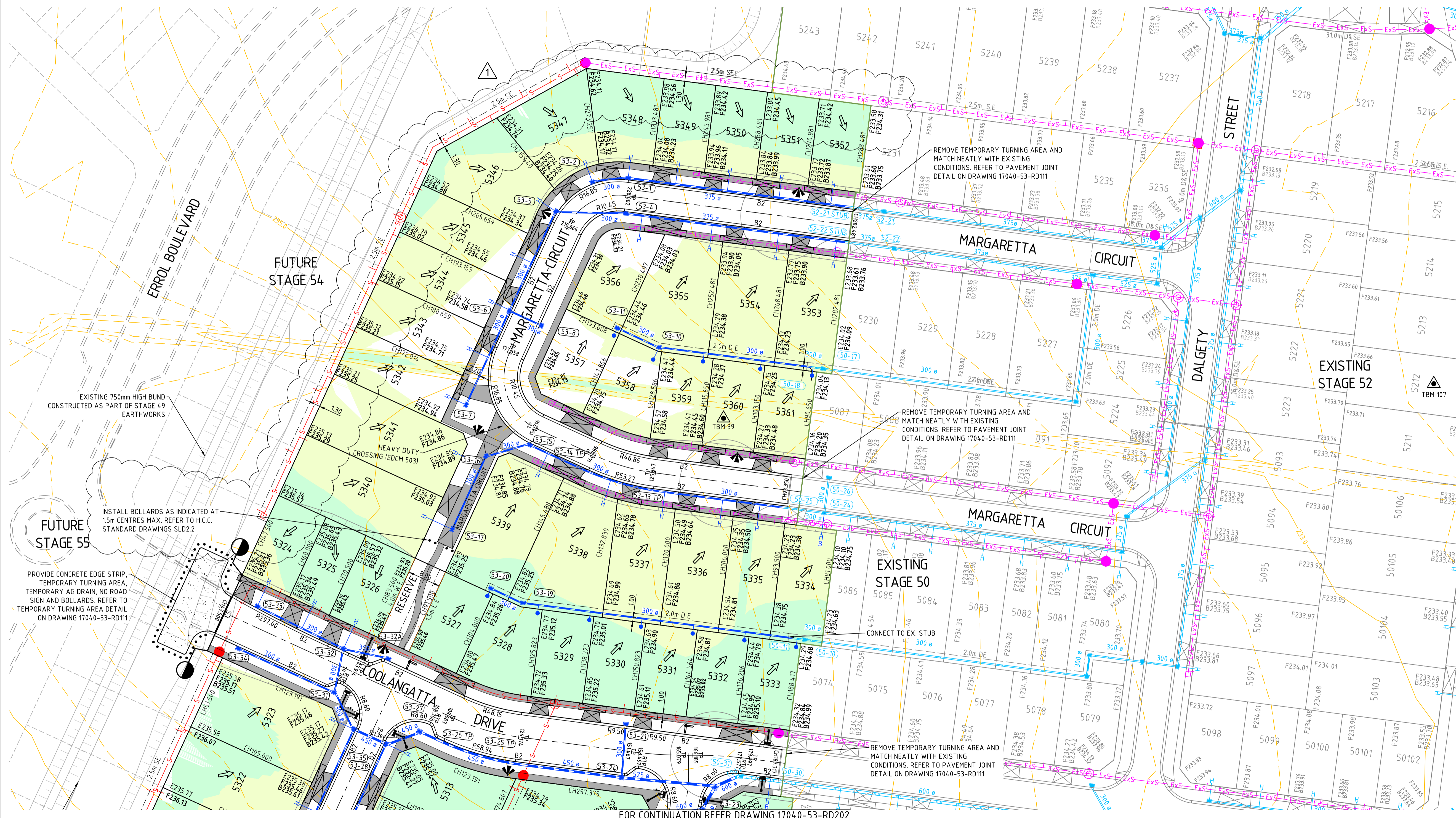
SUBDIVISION ACT 1988



This approved engineering plan forms part of Planning Permit P21549
 Date: 20/12/2022
 Sheet 10 of 37
 Signature for Responsible Authority:
 Ayman Sayah

LEGEND - DETAIL PLAN

- LOT GRADE
- EXISTING CONTOURS (0.2m INTERVAL)
- EXISTING SURFACE LEVEL
- FINISHED SURFACE LEVEL
- TOP OF BATTER LEVEL
- KERB AND TYPE
- PROPOSED VEHICLE CROSSING AND FOOTPATH
- ARC RADIUS AT LIP OF KERB
- CHAINAGE DERIVED FROM ROAD CENTRE
- PROPOSED 1.8m HIGH PALING FENCE
- STAGE BOUNDARY
- BOLLARDS
- LIMIT OF ROAD WORKS
- STREET SIGN
- NO ROAD SIGN
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK AND REF. NO.
- PROPOSED BATTER
- TACTILE MARKERS (TGS's)
- EASEMENT LINE AND TYPE
- PROPOSED COUNCIL DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER
- PROPOSED MAIN DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER
- TEMPORARY DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER
- PROPERTY INLET (EASEMENT DRAIN)
- PROPERTY INLET (STREET DRAIN)
- PROPERTY INLET (PART B-REFER RD112)
- DRAINAGE PIT NUMBERS
- PROPOSED SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- PROPOSED MAINTENANCE HOLE
- PROPOSED MAINTENANCE CHAMBER
- PROPOSED MAINTENANCE SHAFT
- PROPOSED INSPECTION SHAFT
- PROPOSED SEWER PIPE STUB
- EXISTING COUNCIL DRAINAGE PIPE, PIT
- EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- FILL 0-300mm DEPTH
- FILL >300mm DEPTH



EXISTING 750mm HIGH BUND CONSTRUCTED AS PART OF STAGE 49 EARTHWORKS

HEAVY DUTY CROSSING (EDCM 503)

INSTALL BOLLARDS AS INDICATED AT 15m CENTRES MAX. REFER TO H.C.C. STANDARD DRAWINGS SLD2.2

PROVIDE CONCRETE EDGE STRIP, TEMPORARY TURNING AREA, TEMPORARY AG DRAIN, NO ROAD SIGN AND BOLLARDS. REFER TO TEMPORARY TURNING AREA DETAIL ON DRAWING 17040-53-RD111

REMOVE TEMPORARY TURNING AREA AND MATCH NEATLY WITH EXISTING CONDITIONS. REFER TO PAVEMENT JOINT DETAIL ON DRAWING 17040-53-RD111

REMOVE TEMPORARY TURNING AREA AND MATCH NEATLY WITH EXISTING CONDITIONS. REFER TO PAVEMENT JOINT DETAIL ON DRAWING 17040-53-RD111

REMOVE TEMPORARY TURNING AREA AND MATCH NEATLY WITH EXISTING CONDITIONS. REFER TO PAVEMENT JOINT DETAIL ON DRAWING 17040-53-RD111

FOR CONTINUATION REFER DRAWING 17040-53-RD202

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS 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. A DBYD ENQUIRY ON 1100 MUST BE MADE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

CAD FILE: F:\SYNERGY\TEMP\1205\ENERGY\1205\ENERGY\17040-53-RD202.DWG
 PLOT DATE: Fri Dec 16 03:20:52 2022
 F:\SYNERGY\TEMP\1205\ENERGY\1205\ENERGY\17040-53-RD202.DWG
 Fri Dec 16 03:20:52 2022

REV	DESCRIPTION	APPROVED	DATE
1	LOT LEVELS UPDATED, RESERVE BOLLARDS UPDATED	G.R.	15.12.22
0	CONSTRUCTION ISSUE	G.R.	29.11.22

DRAWN:	M.HURA
DESIGNED:	A.ARABO
VERIFIED:	P.MASEMANN
APPROVED:	G.ROMANCZ



CLIENT:






Ground Floor, 207-213 Waverley Road,
 Malvern East VIC 3145
 TEL: 03 8573 1500 verveprojects.com
 © Verve Projects Pty Ltd.

COUNCIL: HUME CITY COUNCIL

PROJECT: MERRIFIELD LIVING - SECTION E STAGE 53 MICKLEHAM

TITLE: DETAIL PLAN SHEET 1

ISSUE: **CONSTRUCTION**

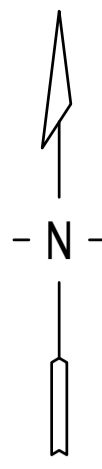
MELWAY REF: 366 F1

PROJECT No: 17040-53

DWG No: RD201

REVISION: 1

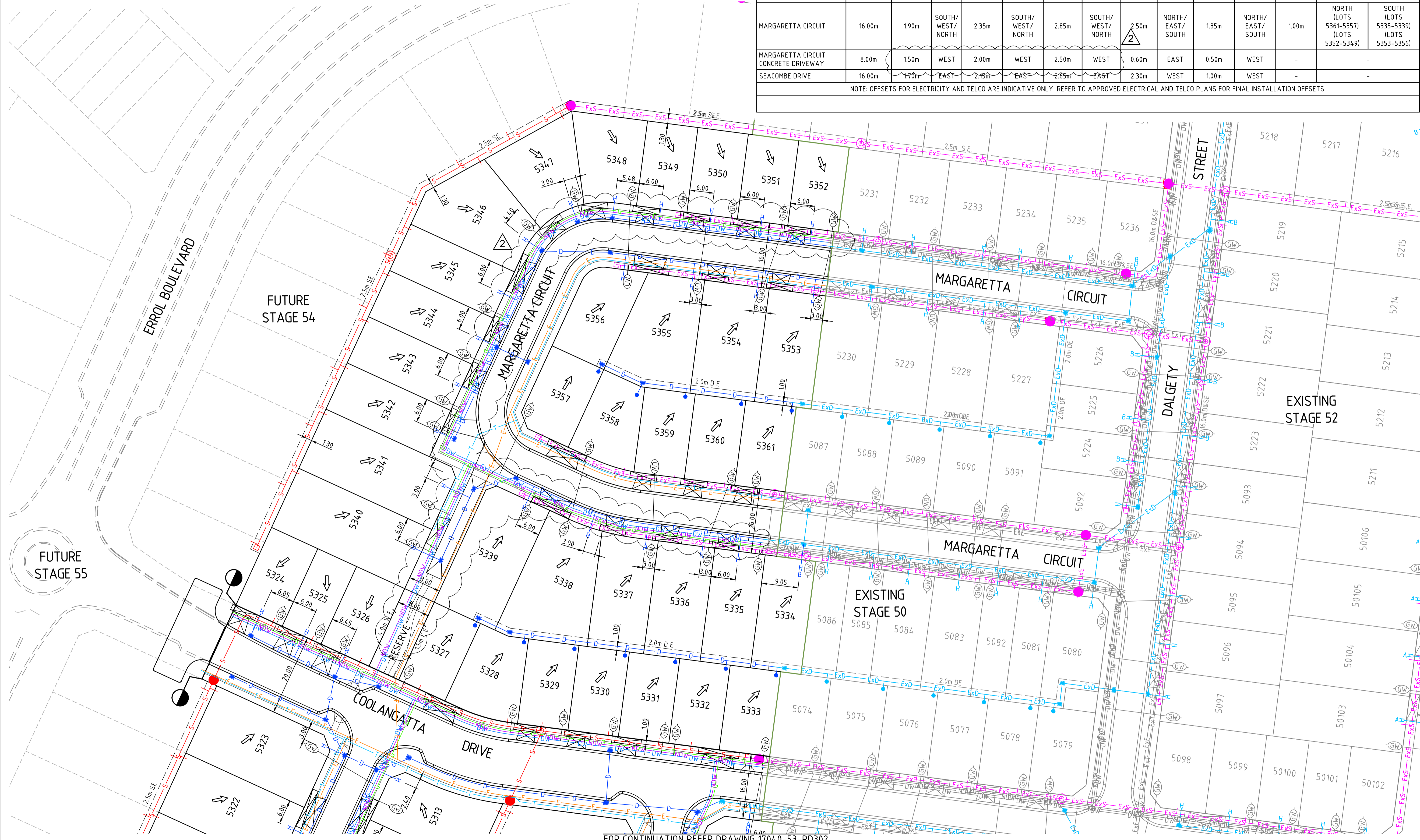
SUBDIVISION ACT 1988
HUME
 This approved engineering plan forms part of Planning Permit P21549.
 Date: 20/12/2022
 Sheet 12 of 37
 Signature for Responsible Authority:
 Ayman Sayah



STREET NAME	ROAD RESERVE WIDTH	GAS		RECYCLED WATER		DRINKING WATER		ELECTRICITY		TELCO		SEWER	
		OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE
COOLANGATTA DRIVE (WEST SEACOMBE DRIVE)	20.00m	1.90m	NORTH	2.35m	NORTH	2.85m	NORTH	2.10m	SOUTH	1.85m	SOUTH (LOTS 5323; 5301)	1.00m	NORTH
COOLANGATTA DRIVE (EAST SEACOMBE DRIVE)	16.00m	1.90m	NORTH	2.35m	NORTH	2.85m	NORTH	2.80m	SOUTH	1.85m	SOUTH (LOTS 5313; 5312)	1.00m	NORTH
HELM DRIVE	16.00m	1.80m	EAST	2.30m	EAST	2.80m	EAST	2.50m	WEST	1.85m	WEST	-	-
LANGRIDGE WAY	16.00m	2.05m	NORTH	2.50m	NORTH	3.00m	NORTH	2.50m	SOUTH	1.85m	SOUTH	1.00m	NORTH
MARGARETTA CIRCUIT	16.00m	1.90m	SOUTH/WEST/NORTH	2.35m	SOUTH/WEST/NORTH	2.85m	SOUTH/WEST/NORTH	2.50m	NORTH/EAST/SOUTH	1.85m	NORTH/EAST/SOUTH	1.00m	NORTH (LOTS 5361-5357) (LOTS 5352-5349) SOUTH (LOTS 5335-5339) (LOTS 5353-5356)
MARGARETTA CIRCUIT CONCRETE DRIVEWAY	8.00m	1.50m	WEST	2.00m	WEST	2.50m	WEST	0.60m	EAST	0.50m	WEST	-	-
SEACOMBE DRIVE	16.00m	1.70m	EAST	2.15m	EAST	2.65m	EAST	2.30m	WEST	1.00m	WEST	-	-

NOTE: OFFSETS FOR ELECTRICITY AND TELCO ARE INDICATIVE ONLY. REFER TO APPROVED ELECTRICAL AND TELCO PLANS FOR FINAL INSTALLATION OFFSETS.

LEGEND - SERVICES PLAN	
	LOT GRADE
	KERB
	PROPOSED VEHICLE CROSSING AND FOOTPATH
	PROPOSED STAGE BOUNDARY
	PROPOSED RETAINING WALL
	BOLLARDS
	LIMIT OF ROAD WORKS
	EASEMENT LINE AND TYPE
	PROPOSED GAS
	PROPOSED NON-DRINKING WATER
	PROPOSED DRINKING WATER
	PROPOSED ELECTRICITY
	PROPOSED TELCO
	PROPOSED GAS AND WATER CONDUIT
	PROPOSED GAS CONDUIT
	PROPOSED WATER CONDUIT
	PROPOSED COUNCIL DRAINAGE PIT AND DRAINAGE PIPE
	PROPOSED MAIN DRAINAGE PIT AND PIPE
	TEMPORARY COUNCIL DRAINAGE PIT AND DRAINAGE PIPE
	PROPERTY INLET (EASEMENT DRAIN)
	PROPERTY INLET (STREET DRAIN)
	TABLE DRAIN
	PROPOSED SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
	PROPOSED MAINTENANCE HOLE
	PROPOSED MAINTENANCE CHAMBER
	PROPOSED MAINTENANCE SHAFT
	PROPOSED INSPECTION SHAFT
	PROPOSED GAS CHECK
	PROPOSED SEWER PIPE STUB
	EXISTING GAS
	EXISTING NON-DRINKING WATER
	EXISTING DRINKING WATER
	EXISTING ELECTRICITY
	EXISTING TELCO
	EXISTING OVERHEAD ELECTRICITY
	EXISTING OPTIC FIBRE
	EXISTING GAS AND WATER CONDUIT
	EXISTING COUNCIL DRAINAGE PIPE, PIT
	EXISTING MAIN DRAINAGE PIPE, PIT
	EXISTING DRAINAGE PROPERTY INLET CONNECTION
	EXISTING DRAINAGE HOUSE DRAIN CONNECTION
	EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

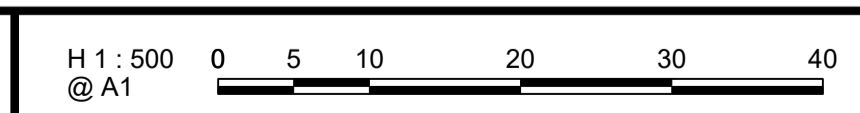


WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. A DBYD ENQUIRY ON 1100 MUST BE MADE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

CAD FILE: F:\SYNERGY\TEMP\1205\ENERGY\SERVERSERVICE\568V\FRC\04-38E1-4828-AADA-0592\FB3236\17040-53-RD301-RD302.DWG
 PLOT DATE: Sat Dec 17 00:15:25 2022

REV	DESCRIPTION	APPROVED	DATE
2	SERVICE OFFSETS UPDATED	G.R.	16.12.22
1	SERVICE OFFSETS UPDATED	G.R.	08.12.22
0	CONSTRUCTION ISSUE	G.R.	29.11.22

DRAWN: M.HURA
 DESIGNED: A.ARABO
 VERIFIED: P.MASEMANN
 APPROVED: G.ROMANCZ



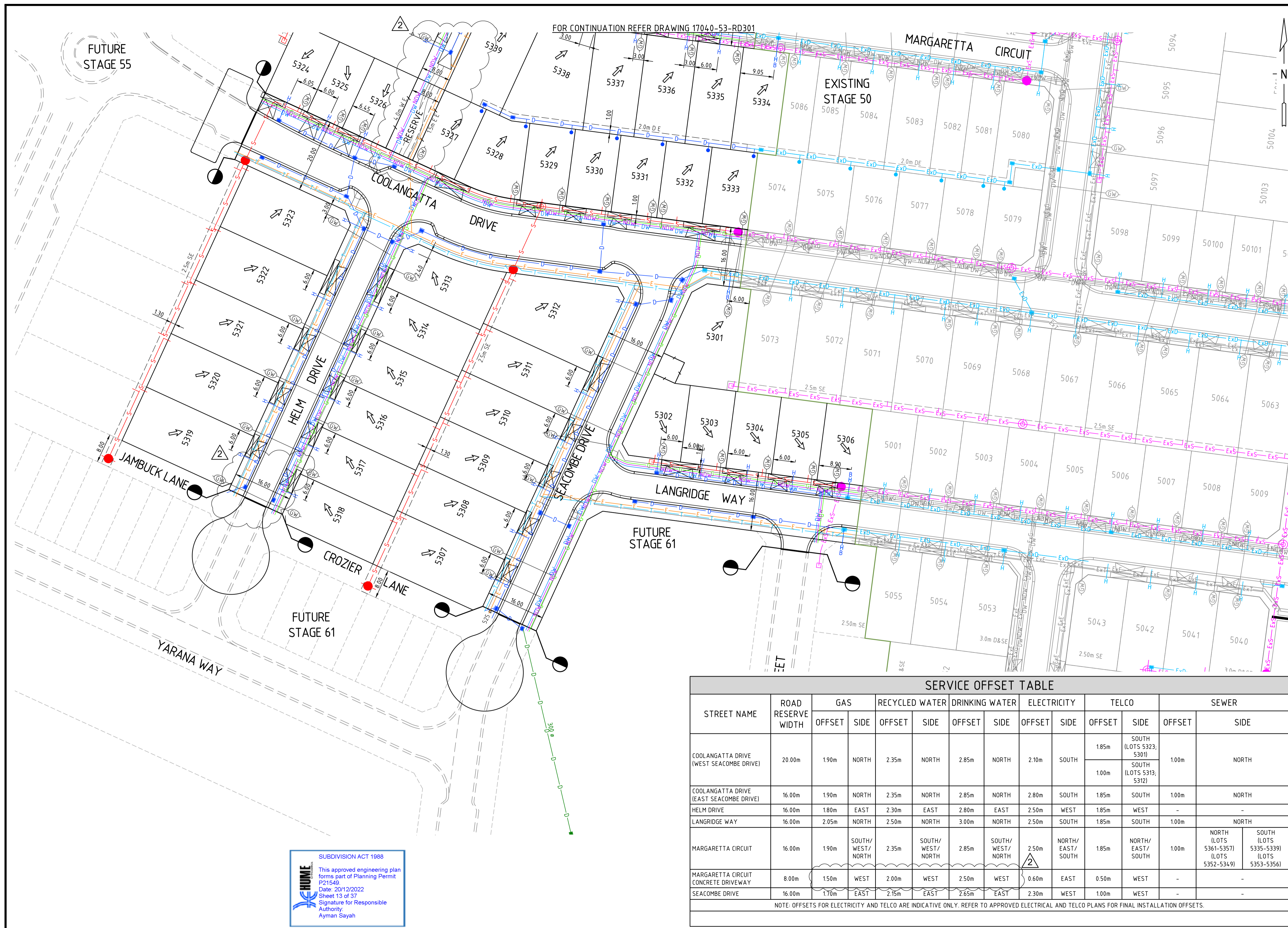
FOR CONTINUATION REFER DRAWING 17040-53-RD502



verve
 Ground Floor, 207-213 Waverley Road,
 Malvern East VIC 3145
 TEL : 03 8573 1500 verveprojects.com
 © Verve Projects Pty Ltd.

COUNCIL: HUME CITY COUNCIL
 PROJECT: MERRIFIELD LIVING - SECTION E
 STAGE 53
 MICKLEHAM

TITLE: SERVICES PLAN
 SHEET 1
 ISSUE: CONSTRUCTION
 MELWAY REF: 366 F1
 PROJECT No: 17040-53
 DWG No: RD301
 REVISION: 2



LEGEND - SERVICES PLAN

- LOT GRADE
- KERB
- PROPOSED VEHICLE CROSSING AND FOOTPATH
- PROPOSED STAGE BOUNDARY
- PROPOSED RETAINING WALL
- BOLLARDS
- LIMIT OF ROAD WORKS
- 2.0m D.E.
- EASEMENT LINE AND TYPE
- PROPOSED GAS
- PROPOSED NON-DRINKING WATER
- PROPOSED DRINKING WATER
- PROPOSED ELECTRICITY
- PROPOSED TELCO
- PROPOSED GAS AND WATER CONDUIT
- PROPOSED GAS CONDUIT
- PROPOSED WATER CONDUIT
- PROPOSED COUNCIL DRAINAGE PIT AND DRAINAGE PIPE
- PROPOSED MAIN DRAINAGE PIT AND PIPE
- TEMPORARY COUNCIL DRAINAGE PIT AND DRAINAGE PIPE
- PROPERTY INLET (EASEMENT DRAIN)
- PROPERTY INLET (STREET DRAIN)
- TABLE DRAIN
- PROPOSED SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- PROPOSED MAINTENANCE HOLE
- PROPOSED MAINTENANCE CHAMBER
- PROPOSED MAINTENANCE SHAFT
- PROPOSED INSPECTION SHAFT
- PROPOSED GAS CHECK
- PROPOSED SEWER PIPE STUB
- EXISTING GAS
- EXISTING NON-DRINKING WATER
- EXISTING DRINKING WATER
- EXISTING ELECTRICITY
- EXISTING TELCO
- EXISTING OVERHEAD ELECTRICITY
- EXISTING OPTIC FIBRE
- EXISTING GAS AND WATER CONDUIT
- EXISTING COUNCIL DRAINAGE PIPE, PIT
- EXISTING MAIN DRAINAGE PIPE, PIT
- EXISTING DRAINAGE PROPERTY INLET CONNECTION
- EXISTING DRAINAGE HOUSE DRAIN CONNECTION
- EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

SERVICE OFFSET TABLE

STREET NAME	ROAD RESERVE WIDTH	GAS		RECYCLED WATER		DRINKING WATER		ELECTRICITY		TELCO		SEWER	
		OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE
COOLANGATTA DRIVE (WEST SEACOMBE DRIVE)	20.00m	1.90m	NORTH	2.35m	NORTH	2.85m	NORTH	2.10m	SOUTH	1.85m	SOUTH (LOTS 5323, 5301)	1.00m	NORTH
											1.00m	SOUTH (LOTS 5313, 5312)	
COOLANGATTA DRIVE (EAST SEACOMBE DRIVE)	16.00m	1.90m	NORTH	2.35m	NORTH	2.85m	NORTH	2.80m	SOUTH	1.85m	SOUTH	1.00m	NORTH
HELM DRIVE	16.00m	1.80m	EAST	2.30m	EAST	2.80m	EAST	2.50m	WEST	1.85m	WEST	-	-
LANGRIDGE WAY	16.00m	2.05m	NORTH	2.50m	NORTH	3.00m	NORTH	2.50m	SOUTH	1.85m	SOUTH	1.00m	NORTH
MARGARETTA CIRCUIT	16.00m	1.90m	SOUTH/WEST/NORTH	2.35m	SOUTH/WEST/NORTH	2.85m	SOUTH/WEST/NORTH	2.50m	NORTH/EAST/SOUTH	1.85m	NORTH/EAST/SOUTH	1.00m	NORTH (LOTS 5361-5357) (LOTS 5352-5349) SOUTH (LOTS 5335-5339) (LOTS 5353-5356)
MARGARETTA CIRCUIT CONCRETE DRIVEWAY	8.00m	1.50m	WEST	2.00m	WEST	2.50m	WEST	0.60m	EAST	0.50m	WEST	-	-
SEACOMBE DRIVE	16.00m	1.70m	EAST	2.15m	EAST	2.65m	EAST	2.30m	WEST	1.00m	WEST	-	-

NOTE: OFFSETS FOR ELECTRICITY AND TELCO ARE INDICATIVE ONLY. REFER TO APPROVED ELECTRICAL AND TELCO PLANS FOR FINAL INSTALLATION OFFSETS.

WARNING
BEWARE OF UNDERGROUND SERVICES
 THE LOCATIONS 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. A DBYD ENQUIRY ON 1100 MUST BE MADE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS.

SUBDIVISION ACT 1988
 This approved engineering plan forms part of Planning Permit P21549.
 Date: 20/12/2022
 Sheet 13 of 37
 Signature for Responsible Authority:
 Ayman Sayah



CAD FILE: F:\SYNERGY\TEMP\1205\ENERGY\SERVERSERVICE\568V7\FRC\04-38E1-4828-A4DA-0592F7FB3236\17040-53-RD301-RD302.DWG
 PLOT DATE: Sat Dec 17 00:15:38 2022

REV	DESCRIPTION	APPROVED	DATE
2	DRAINAGE STUB TO FUTURE LANEWAY ADDED	G.R.	16.12.22
1	SERVICE OFFSETS UPDATED	G.R.	08.12.22
0	CONSTRUCTION ISSUE	G.R.	29.11.22

DRAWN:	M.HURA
DESIGNED:	A.ARABO
VERIFIED:	P.MASEMANN
APPROVED:	G.ROMANCZ

CLIENT:

Ground Floor, 207-213 Waverley Road,
 Malvern East VIC 3145
 TEL : 03 8573 1500 verveprojects.com
 © Verve Projects Pty Ltd.

COUNCIL: HUME CITY COUNCIL

PROJECT: MERRIFIELD LIVING - SECTION E
 STAGE 53
 MICKLEHAM

ISSUE: **CONSTRUCTION**

TITLE: SERVICES PLAN
 SHEET 2

MELWAY REF: 366 F1
 PROJECT No: 17040-53
 DWG No: RD302
 REVISION: 2