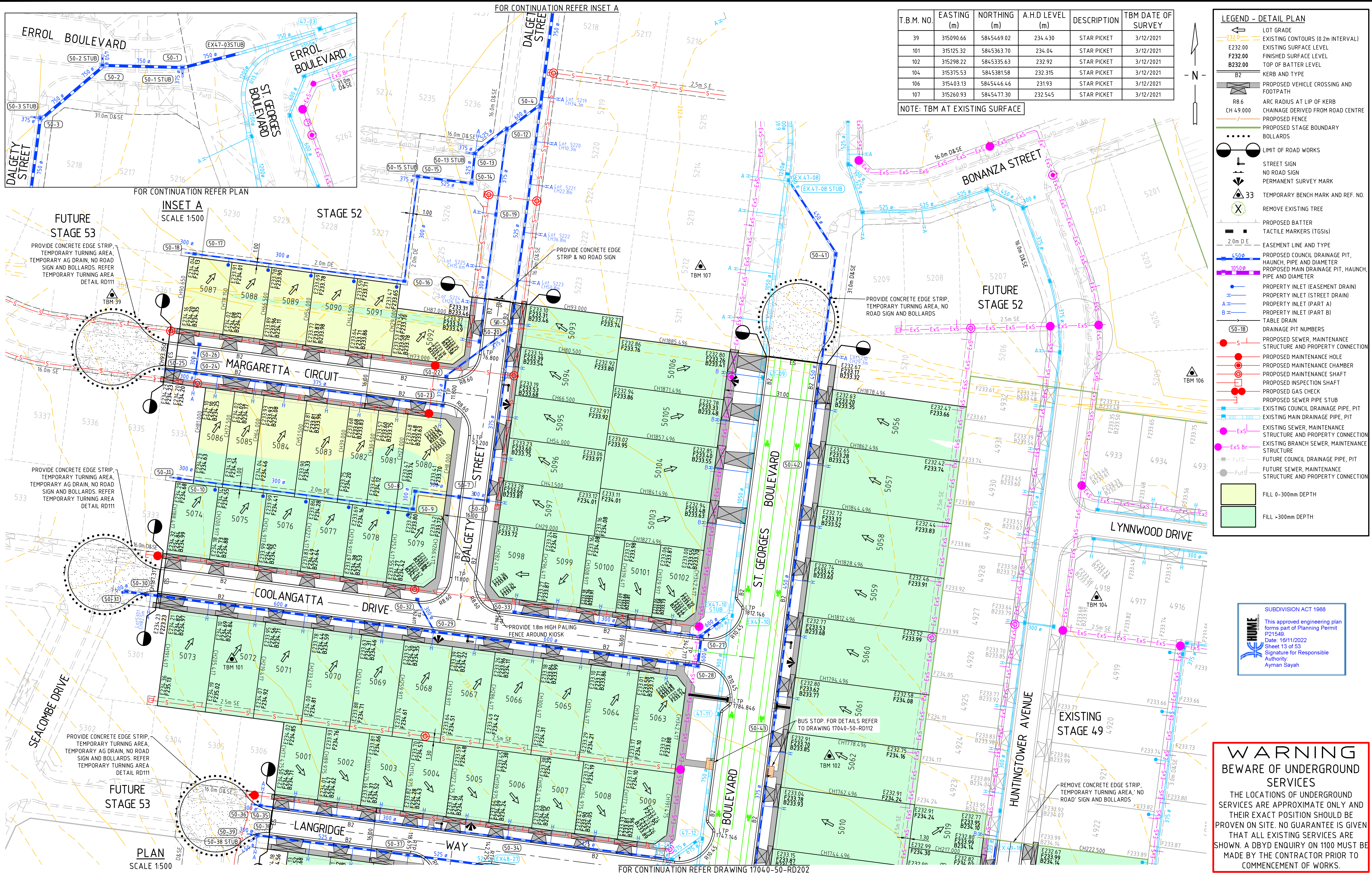




| T.B.M. NO. | EASTING (m) | NORTHING (m) | A.H.D LEVEL (m) | DESCRIPTION | TBM DATE OF SURVEY |
|------------|-------------|--------------|-----------------|-------------|--------------------|
| 39         | 315090.66   | 5845469.02   | 234.430         | STAR PICKET | 3/12/2021          |
| 101        | 315125.32   | 5845363.70   | 234.04          | STAR PICKET | 3/12/2021          |
| 102        | 315298.22   | 5845335.63   | 232.92          | STAR PICKET | 3/12/2021          |
| 104        | 315375.53   | 5845381.58   | 232.315         | STAR PICKET | 3/12/2021          |
| 106        | 315403.13   | 5845446.46   | 231.93          | STAR PICKET | 3/12/2021          |
| 107        | 315260.93   | 5845477.30   | 232.545         | STAR PICKET | 3/12/2021          |

NOTE: TBM AT EXISTING SURFACE

LEGEND - DETAIL PLAN

LOT GRADE

EXISTING CONTOURS (0.2m INTERVAL)

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 FENCE

PROPOSED STAGE BOUNDARY

BOLLARDS

LIMIT OF ROAD WORKS

STREET SIGN

NO ROAD SIGN

PERMANENT SURVEY MARK

TEMPORARY BENCH MARK AND REF. NO.

REMOVE EXISTING TREE

PROPOSED BATTER

TACTILE MARKERS (TGSis)

EASEMENT LINE AND TYPE

PROPOSED COUNCIL DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER

PROPOSED MAIN DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER

PROPERTY INLET (EASEMENT DRAIN)

PROPERTY INLET (STREET DRAIN)

PROPERTY INLET (PART A)

PROPERTY INLET (PART B)

TABLE DRAIN

DRAINAGE PIT NUMBERS

PROPOSED SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

PROPOSED MAINTENANCE HOLE

PROPOSED MAINTENANCE CHAMBER

PROPOSED INSPECTION SHAFT

PROPOSED GAS CHECK

PROPOSED SEWER PIPE STUB

EXISTING COUNCIL DRAINAGE PIPE, PIT

EXISTING MAIN DRAINAGE PIPE, PIT

EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

EXISTING BRANCH SEWER, MAINTENANCE STRUCTURE

FUTURE COUNCIL DRAINAGE PIPE, PIT

FUTURE SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

 FILL 0-300mm DEPTH FILL >300mm DEPTH

SUBDIVISION ACT 1988

This approved engineering plan forms part of Planning Permit P21549.  
Date: 16/11/2022  
Sheet 13 of 53  
Signature for Responsible Authority:  
Ayman Sayah

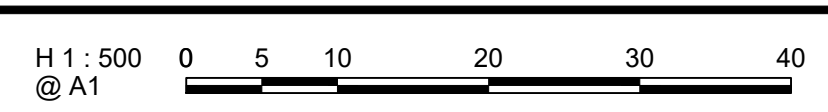
WARNING

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.

C:\2025\ENERGY\DATA\VP\HAP02\17040-50\_605\04\_ENGINEERING\01\_CAD\17040-50-RD201-RD202.DWG  
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PLOT DATE:

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| 0   | CONSTRUCTION ISSUE | G.R.        | 26.09.22 |
| REV | DESCRIPTION        | APPROVED    | DATE     |
|     |                    | S.SHRESTHA  |          |
|     |                    | S.KAYA      |          |
|     |                    | B.SANDERSON |          |
|     |                    | G.ROMANCZ   |          |



FOR CONTINUATION REFER DRAWING 17040-50-RD202

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TEL : 03 8573 1500 verveprojects.com  
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COUNCIL: HUME CITY COUNCIL

PROJECT: MERRIFIELD LIVING - SECTION E STAGE 50 MICKLEHAM

ISSUE: CONSTRUCTION

TITLE: DETAIL PLAN SHEET 1

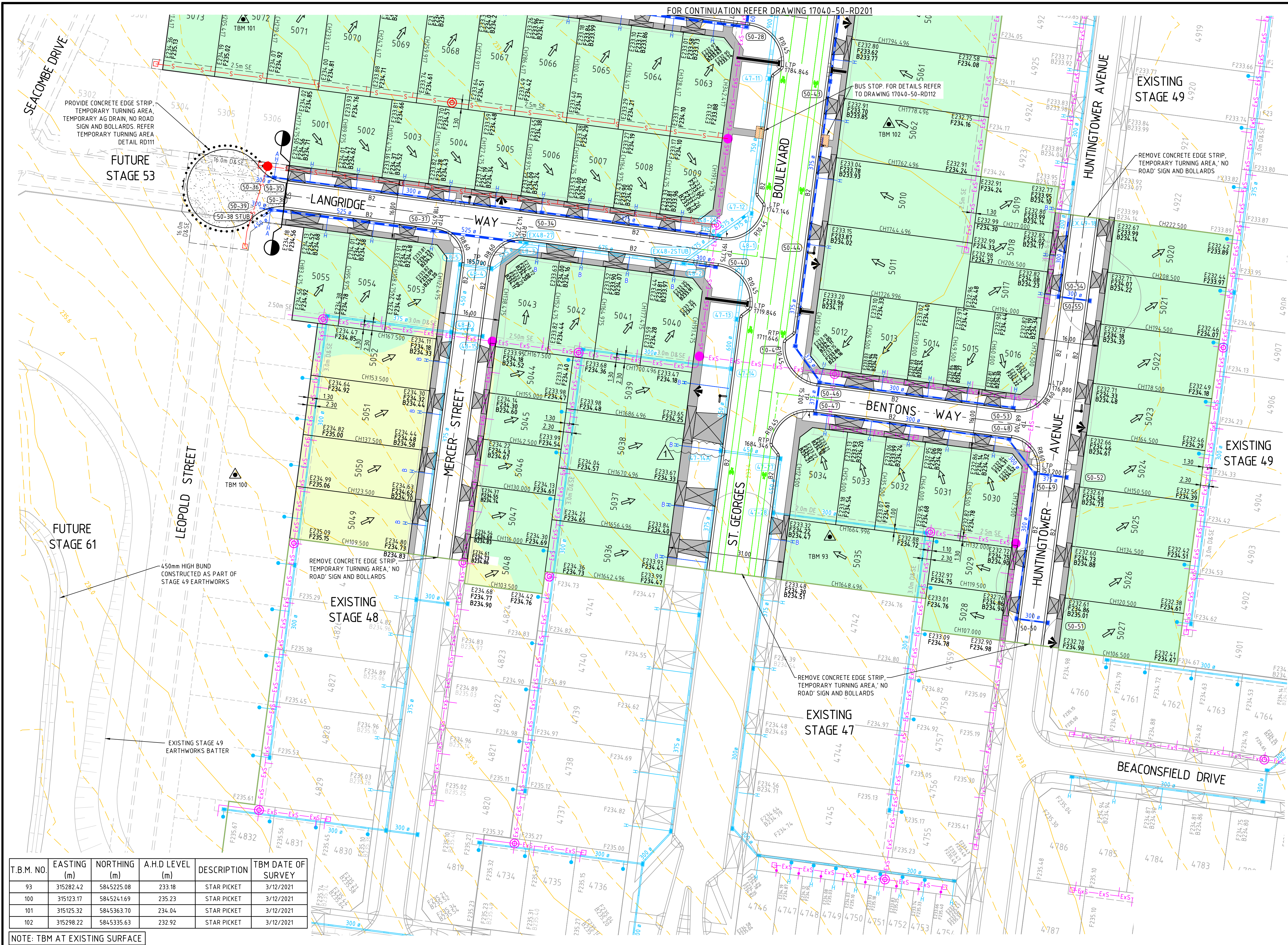
MELWAY REF: 366 F1

PROJECT No: 17040-50

DWG No: RD201

REVISION: 0





**LEGEND - DETAIL PLAN**

- LOT GRADE
- EXISTING CONTOURS (10.2m 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 FENCE
- PROPOSED STAGE BOUNDARY
- BOLLARDS
- LIMIT OF ROAD WORKS
- STREET SIGN
- NO ROAD SIGN
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK AND REF. NO.
- REMOVE EXISTING TREE
- PROPOSED BATTER
- TACTILE MARKERS (TGSIs)
- EASEMENT LINE AND TYPE
- PROPOSED COUNCIL DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER
- PROPOSED MAIN DRAINAGE PIT, HAUNCH, PIPE AND DIAMETER
- PROPERTY INLET (EASEMENT DRAIN)
- PROPERTY INLET (STREET DRAIN)
- PROPERTY INLET (PART A)
- PROPERTY INLET (PART B)
- TABLE DRAIN
- DRAINAGE PIT NUMBERS
- PROPOSED SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- PROPOSED MAINTENANCE HOLE
- PROPOSED MAINTENANCE CHAMBER
- PROPOSED INSPECTION SHAFT
- PROPOSED GAS CHECK
- PROPOSED SEWER PIPE STUB
- EXISTING COUNCIL DRAINAGE PIPE, PIT
- EXISTING MAIN DRAINAGE PIPE, PIT
- EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- EXISTING BRANCH SEWER, MAINTENANCE STRUCTURE
- FUTURE COUNCIL DRAINAGE PIPE, PIT
- FUTURE SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION
- FILL 0-300mm DEPTH
- FILL >300mm DEPTH

**SUBDIVISION ACT 1988**

This approved engineering plan forms part of Planning Permit P21549.

Date: 16/11/2022

Sheet 14 of 53

Signature for Responsible Authority:

Ayman Sayah

**WARNING**

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| T.B.M. NO. | EASTING (m) | NORTHING (m) | A.H.D LEVEL (m) | DESCRIPTION | TBM DATE OF SURVEY |
|------------|-------------|--------------|-----------------|-------------|--------------------|
| 93         | 315282.42   | 5845225.08   | 233.18          | STAR PICKET | 3/12/2021          |
| 100        | 315123.17   | 5845241.69   | 235.23          | STAR PICKET | 3/12/2021          |
| 101        | 315125.32   | 5845363.70   | 234.04          | STAR PICKET | 3/12/2021          |
| 102        | 315298.22   | 5845335.63   | 232.92          | STAR PICKET | 3/12/2021          |

NOTE: TBM AT EXISTING SURFACE

|           |             |
|-----------|-------------|
| DRAWN:    | S.SHRESTHA  |
| DESIGNED: | S.KAYA      |
| VERIFIED: | B.SANDERSON |
| APPROVED: | G.ROMANCZ   |

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| REV | DESCRIPTION        | APPROVED | DATE     |
|-----|--------------------|----------|----------|
| 1   | CONSTRUCTION ISSUE | G.R.     | 10.11.22 |
| 0   | CONSTRUCTION ISSUE | G.R.     | 26.09.22 |

CLIENT:

**merrifield**

**MAB gpc**

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Malvern East VIC 3145

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COUNCIL:

HUME CITY COUNCIL

PROJECT:

MERRIFIELD LIVING - SECTION E  
STAGE 50  
MICKLEHAM

ISSUE:

**CONSTRUCTION**

TITLE:

DETAIL PLAN  
SHEET 2

MELWAY REF:

366 F1

PROJECT No:

17040-50

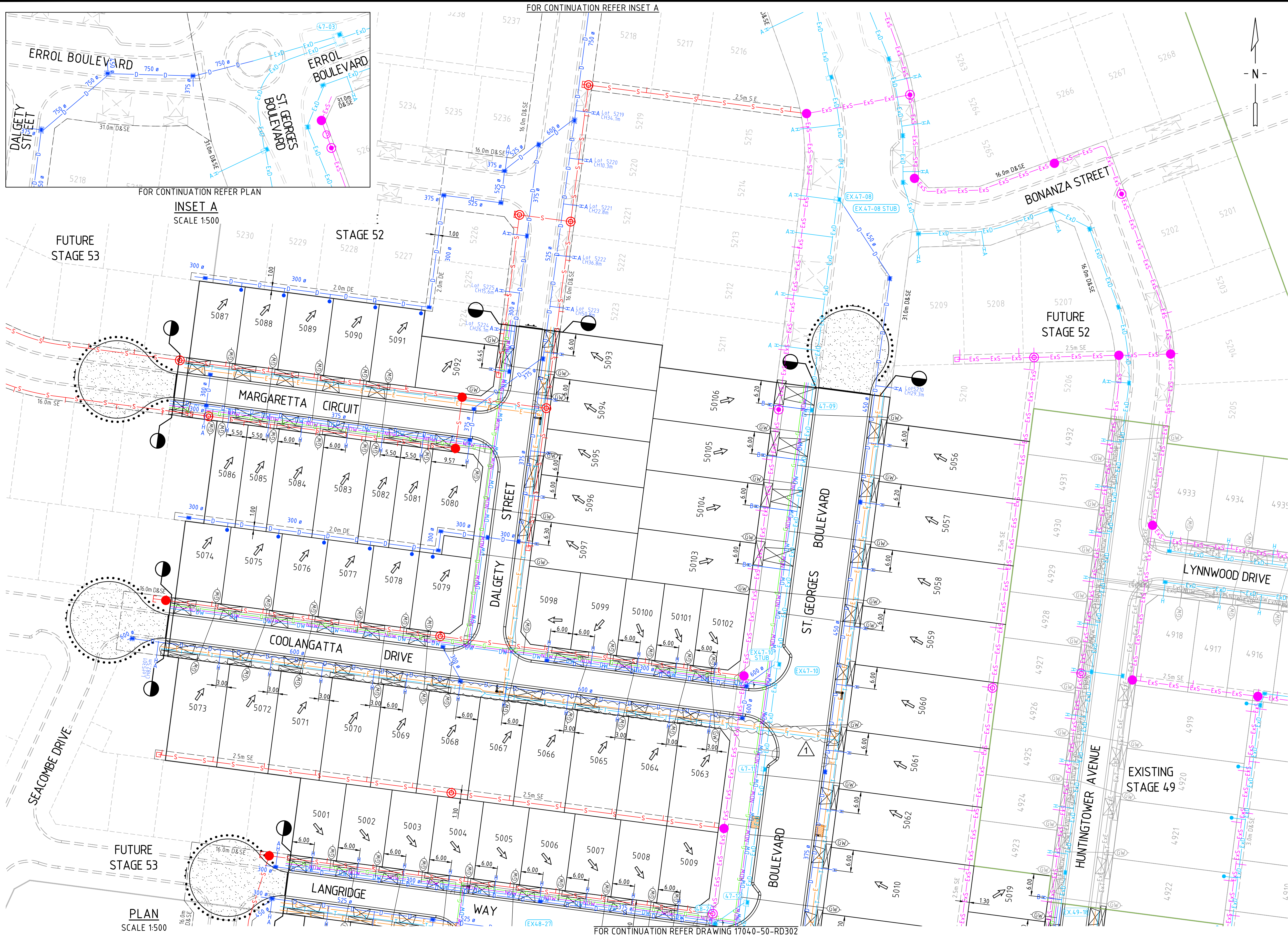
DWG No:

RD202

REVISION:

1





**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 COUNCIL DRAINAGE PIT AND DRAINAGE PIPE
- PROPERTY INLET (EASEMENT DRAIN)
- PROPERTY INLET (STREET DRAIN)
- PROPERTY INLET (PART A)
- PROPERTY INLET (PART B)
- 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 DRAINAGE PROPERTY INLET CONNECTION
- EXISTING DRAINAGE HOUSE DRAIN CONNECTION
- EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

**SUBDIVISION ACT 1988**

This approved engineering plan forms part of Planning Permit P21549.

Date: 16/11/2022

Sheet 15 of 53

Signature for Responsible Authority:

Ayman Sayah

**WARNING**

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|--------------------------|---------------------------------------------------|------------------------|----------|
| DRAWN:<br>S.SHRESTHA     |                                                   | DESIGNED:<br>S.KAYA    |          |
| VERIFIED:<br>B.SANDERSON |                                                   | APPROVED:<br>G.ROMANCZ |          |
| 1                        | LANGRIDGE WAY & COOLANGATTA DRIVE SERVICE UPDATES | G.R.                   | 10.11.22 |
| 0                        | CONSTRUCTION ISSUE                                | G.R.                   | 26.09.22 |
| REV                      | DESCRIPTION                                       | APPROVED               | DATE     |

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@ A1

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COUNCIL:

HUME CITY COUNCIL

PROJECT:  
MERRIFIELD LIVING - SECTION E  
STAGE 50  
MICKLEHAM

TITLE:

SERVICES PLAN  
SHEET 1

ISSUE: **CONSTRUCTION**

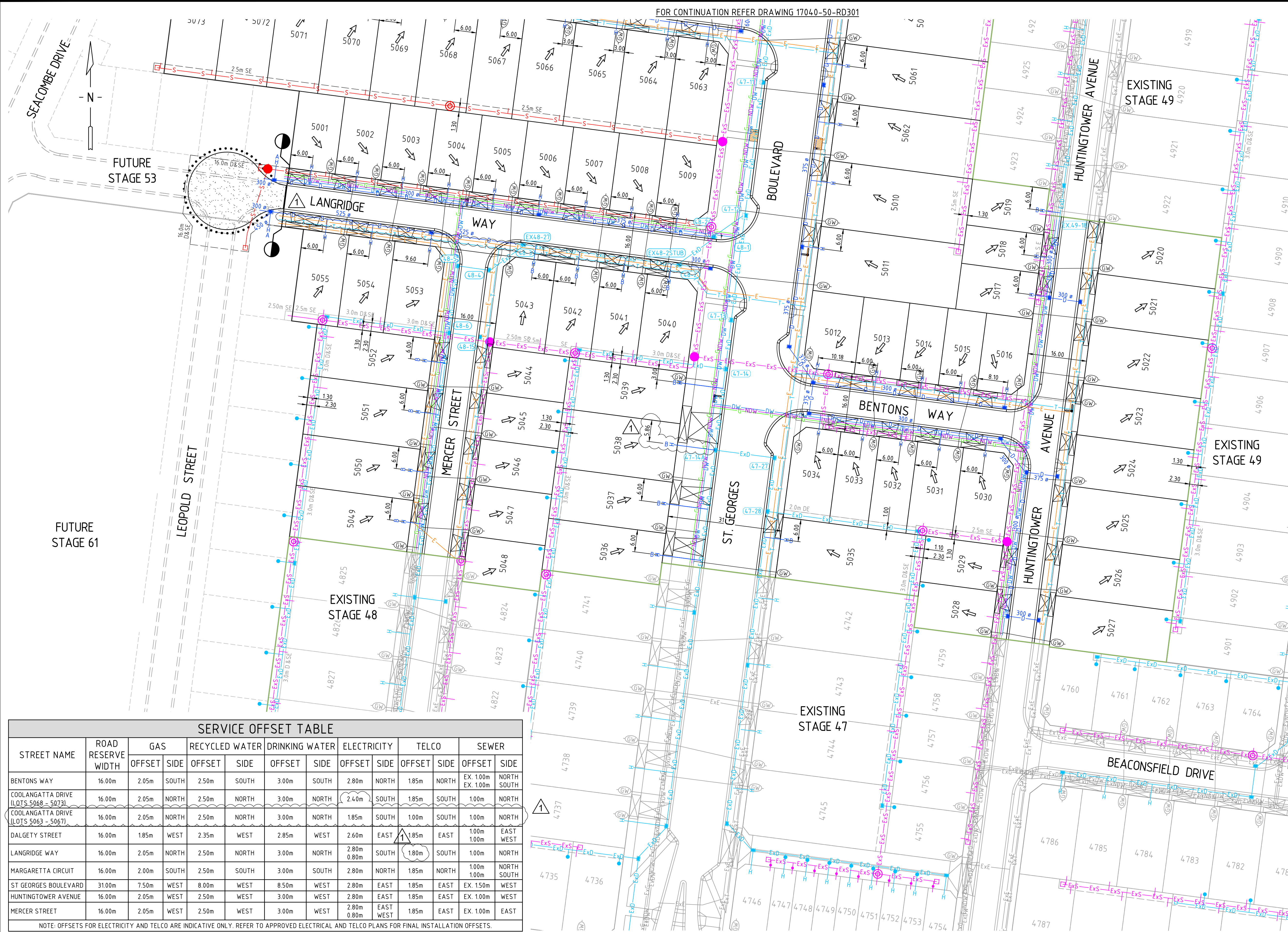
MELWAY REF:  
366 F1

PROJECT No:  
17040-50

DWG No:  
RD301

REVISION:  
1





**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
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- EXISTING ELECTRICITY
- EXISTING TELCO
- EXISTING OVERHEAD ELECTRICITY
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- EXISTING DRAINAGE PROPERTY INLET CONNECTION
- EXISTING DRAINAGE HOUSE DRAIN CONNECTION
- EXISTING SEWER, MAINTENANCE STRUCTURE AND PROPERTY CONNECTION

**SUBDIVISION ACT 1988**

This approved engineering plan forms part of Planning Permit P21549.  
Date: 16/11/2022  
Sheet 16 of 53  
Signature for Responsible Authority:  
Aymen Sayah

| SERVICE OFFSET TABLE                 |                    |        |       |                |       |                |       |             |       |        |       |
|--------------------------------------|--------------------|--------|-------|----------------|-------|----------------|-------|-------------|-------|--------|-------|
| STREET NAME                          | ROAD RESERVE WIDTH | GAS    |       | RECYCLED WATER |       | DRINKING WATER |       | ELECTRICITY |       | TELCO  |       |
|                                      |                    | OFFSET | SIDE  | OFFSET         | SIDE  | OFFSET         | SIDE  | OFFSET      | SIDE  | OFFSET | SIDE  |
| BENTONS WAY                          | 16.00m             | 2.05m  | SOUTH | 2.50m          | SOUTH | 3.00m          | SOUTH | 2.80m       | NORTH | 1.85m  | NORTH |
| COOLANGATTA DRIVE (LOTS 5068 - 5073) | 16.00m             | 2.05m  | NORTH | 2.50m          | NORTH | 3.00m          | NORTH | 2.40m       | SOUTH | 1.85m  | SOUTH |
| COOLANGATTA DRIVE (LOTS 5063 - 5067) | 16.00m             | 2.05m  | NORTH | 2.50m          | NORTH | 3.00m          | NORTH | 1.85m       | SOUTH | 1.00m  | SOUTH |
| DALGETY STREET                       | 16.00m             | 1.85m  | WEST  | 2.35m          | WEST  | 2.85m          | WEST  | 2.60m       | EAST  | 1.85m  | EAST  |
| LANGRIDGE WAY                        | 16.00m             | 2.05m  | NORTH | 2.50m          | NORTH | 3.00m          | NORTH | 2.80m       | SOUTH | 1.80m  | SOUTH |
| MARGARETTA CIRCUIT                   | 16.00m             | 2.00m  | SOUTH | 2.50m          | SOUTH | 3.00m          | SOUTH | 2.80m       | NORTH | 1.85m  | NORTH |
| ST GEORGES BOULEVARD                 | 31.00m             | 7.50m  | WEST  | 8.00m          | WEST  | 8.50m          | WEST  | 2.80m       | EAST  | 1.85m  | EAST  |
| HUNTINGTOWER AVENUE                  | 16.00m             | 2.05m  | WEST  | 2.50m          | WEST  | 3.00m          | WEST  | 2.80m       | EAST  | 1.85m  | EAST  |
| MERCER STREET                        | 16.00m             | 2.05m  | WEST  | 2.50m          | WEST  | 3.00m          | WEST  | 2.80m       | EAST  | 1.85m  | EAST  |

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

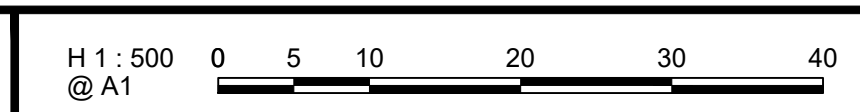
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C:\2025\ENERGY\DATA\VP\HAP02\17040-50\_605\04\_ENGINEERING\01\_CAD\17040-50-RD301-RD302.DWG  
PLOT DATE: 10/11/2022 3:35:29 PM

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| DRAWN: S.SHRESTHA     |                                                   |
| DESIGNED: S.KAYA      |                                                   |
| VERIFIED: B.SANDERSON |                                                   |
| APPROVED: G.ROMANCZ   |                                                   |
| 1                     | LANGRIDGE WAY & COOLANGATTA DRIVE SERVICE UPDATES |
| 0                     | CONSTRUCTION ISSUE                                |
| REV                   | DESCRIPTION                                       |



CLIENT:

**merrifield**

**MAB gpc**

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PROJECT: MERRIFIELD LIVING - SECTION E STAGE 50 MICKLEHAM

ISSUE: **CONSTRUCTION**

MELWAY REF: 366 F1

PROJECT No: 17040-50

DWG No: RD302

REVISION: 1

SERVICES PLAN SHEET 2