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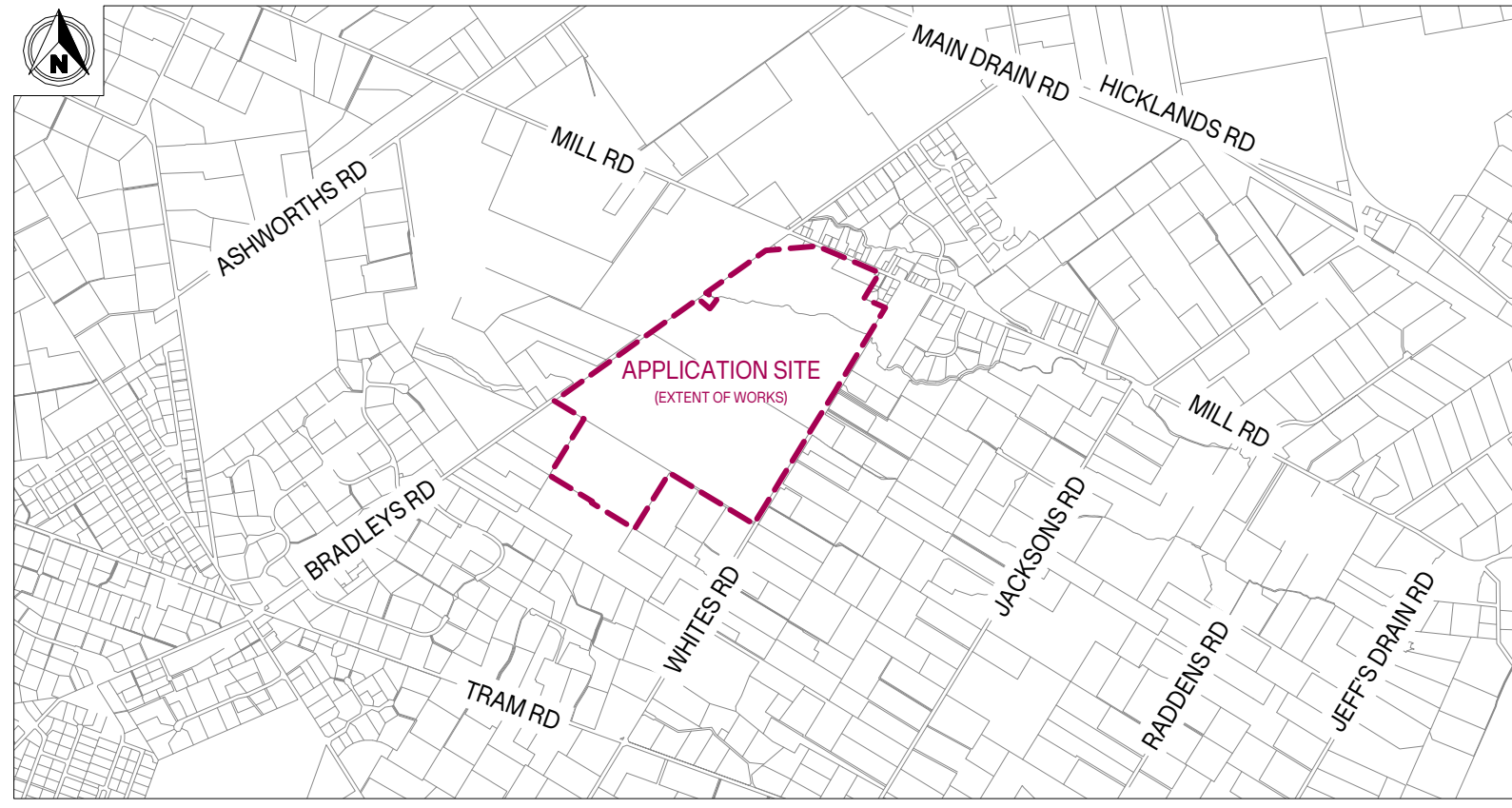
MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY

SUBDIVISION
DEVELOPMENT

FOR CONSENT
FAST TRACK APPLICATION

PROJECT# 16013

DATE (JUNE 2026)



LOCATION PLAN
SCALE: N.T.S

| DRAWING NO. | REV NO. | DRAWING TITLE |
|------------------|---------|--|
| 16013-00-RC-0000 | - | COVERSHEET |
| 16013-00-RC-1000 | B | DRAWING INDEX AND SITE LOCALITY PLAN |
| 16013-00-RC-1500 | B | EXISTING SERVICES OVERALL PLAN |
| 16013-00-RC-1500 | B | EXISTING SERVICES PLAN - SHEET 1 OF 7 |
| 16013-00-RC-1502 | B | EXISTING SERVICES PLAN - SHEET 2 OF 7 |
| 16013-00-RC-1503 | B | EXISTING SERVICES PLAN - SHEET 3 OF 7 |
| 16013-00-RC-1504 | B | EXISTING SERVICES PLAN - SHEET 4 OF 7 |
| 16013-00-RC-1505 | B | EXISTING SERVICES PLAN - SHEET 5 OF 7 |
| 16013-00-RC-1506 | B | EXISTING SERVICES PLAN - SHEET 6 OF 7 |
| 16013-00-RC-1507 | B | EXISTING SERVICES PLAN - SHEET 7 OF 7 |
| 16013-00-RC-2000 | B | EXISTING CONTOURS OVERALL PLAN |
| 16013-00-RC-2001 | B | EXISTING CONTOURS PLAN - SHEET 1 OF 7 |
| 16013-00-RC-2002 | B | EXISTING CONTOURS PLAN - SHEET 2 OF 7 |
| 16013-00-RC-2003 | B | EXISTING CONTOURS PLAN - SHEET 3 OF 7 |
| 16013-00-RC-2004 | B | EXISTING CONTOURS PLAN - SHEET 4 OF 7 |
| 16013-00-RC-2005 | B | EXISTING CONTOURS PLAN - SHEET 5 OF 7 |
| 16013-00-RC-2006 | B | EXISTING CONTOURS PLAN - SHEET 6 OF 7 |
| 16013-00-RC-2007 | B | EXISTING CONTOURS PLAN - SHEET 7 OF 7 |
| 16013-00-RC-2050 | B | PROPOSED CONTOURS OVERALL PLAN |
| 16013-00-RC-2051 | B | PROPOSED CONTOURS PLAN - SHEET 1 OF 7 |
| 16013-00-RC-2052 | B | PROPOSED CONTOURS PLAN - SHEET 2 OF 7 |
| 16013-00-RC-2053 | B | PROPOSED CONTOURS PLAN - SHEET 3 OF 7 |
| 16013-00-RC-2054 | B | PROPOSED CONTOURS PLAN - SHEET 4 OF 7 |
| 16013-00-RC-2055 | B | PROPOSED CONTOURS PLAN - SHEET 5 OF 7 |
| 16013-00-RC-2056 | B | PROPOSED CONTOURS PLAN - SHEET 6 OF 7 |
| 16013-00-RC-2057 | B | PROPOSED CONTOURS PLAN - SHEET 7 OF 7 |
| 16013-00-RC-2100 | B | PROPOSED EARTHWORKS - CUT AND FILL PLAN |
| 16013-00-RC-2200 | B | ADJOINING PROPERTIES CROSS SECTION PLAN - SHEET 1 OF 2 |
| 16013-00-RC-2201 | B | ADJOINING PROPERTIES CROSS SECTION PLAN - SHEET 2 OF 2 |
| 16013-00-RC-3000 | B | ROADING OVERALL PLAN |
| 16013-00-RC-3001 | B | ROADING PLAN SHEET 1 OF 7 |
| 16013-00-RC-3002 | B | ROADING PLAN SHEET 2 OF 7 |
| 16013-00-RC-3003 | B | ROADING PLAN SHEET 3 OF 7 |

| DRAWING NO. | REV NO. | DRAWING TITLE |
|------------------|---------|--|
| 16013-00-RC-3004 | B | ROADING PLAN SHEET 4 OF 7 |
| 16013-00-RC-3005 | B | ROADING PLAN SHEET 5 OF 7 |
| 16013-00-RC-3006 | B | ROADING PLAN SHEET 6 OF 7 |
| 16013-00-RC-3007 | B | ROADING PLAN SHEET 7 OF 7 |
| 16013-00-RC-3100 | B | TYPICAL INTERSECTION DETAIL |
| 16013-00-RC-3200 | B | ROADING LONG SECTIONS PLAN SHEET 1 OF 4 |
| 16013-00-RC-3201 | B | ROADING LONG SECTIONS PLAN SHEET 2 OF 4 |
| 16013-00-RC-3202 | B | ROADING LONG SECTIONS PLAN SHEET 3 OF 4 |
| 16013-00-RC-3203 | B | ROADING LONG SECTIONS PLAN SHEET 4 OF 4 |
| 16013-00-RC-3300 | B | ROADING CROSS SECTION PLAN SHEET 1 OF 3 |
| 16013-00-RC-3301 | B | ROADING CROSS SECTION PLAN SHEET 2 OF 3 |
| 16013-00-RC-3302 | B | ROADING CROSS SECTION PLAN SHEET 3 OF 3 |
| 16013-00-RC-4000 | B | STORMWATER OVERALL PLAN |
| 16013-00-RC-4001 | B | STORMWATER PLAN SHEET 1 OF 7 |
| 16013-00-RC-4002 | B | STORMWATER PLAN SHEET 2 OF 7 |
| 16013-00-RC-4003 | B | STORMWATER PLAN SHEET 3 OF 7 |
| 16013-00-RC-4004 | B | STORMWATER PLAN SHEET 4 OF 7 |
| 16013-00-RC-4005 | B | STORMWATER PLAN SHEET 5 OF 7 |
| 16013-00-RC-4006 | B | STORMWATER PLAN SHEET 6 OF 7 |
| 16013-00-RC-4007 | B | STORMWATER PLAN SHEET 7 OF 7 |
| 16013-00-RC-4100 | B | STORMWATER PRIMARY CATCHMENT OVERALL PLAN |
| 16013-00-RC-4101 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 1 OF 7 |
| 16013-00-RC-4102 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 2 OF 7 |
| 16013-00-RC-4103 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 3 OF 7 |
| 16013-00-RC-4104 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 4 OF 7 |
| 16013-00-RC-4105 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 5 OF 7 |
| 16013-00-RC-4106 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 6 OF 7 |
| 16013-00-RC-4107 | B | STORMWATER PRIMARY CATCHMENT PLAN SHEET 7 OF 7 |
| 16013-00-RC-4150 | B | STORMWATER SECONDARY CATCHMENT OVERALL PLAN |
| 16013-00-RC-4151 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 1 OF 7 |
| 16013-00-RC-4152 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 2 OF 7 |
| 16013-00-RC-4153 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 3 OF 7 |
| 16013-00-RC-4154 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 4 OF 7 |

| DRAWING NO. | REV NO. | DRAWING TITLE |
|------------------|---------|--|
| 16013-00-RC-4155 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 5 OF 7 |
| 16013-00-RC-4156 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 6 OF 7 |
| 16013-00-RC-4157 | B | STORMWATER SECONDARY CATCHMENT PLAN SHEET 7 OF 7 |
| 16013-00-RC-4400 | A | STORMWATER CULVERT OVERALL PLAN |
| 16013-00-RC-4401 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 1 OF 13 |
| 16013-00-RC-4402 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 2 OF 13 |
| 16013-00-RC-4403 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 3 OF 13 |
| 16013-00-RC-4404 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 4 OF 13 |
| 16013-00-RC-4405 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 5 OF 13 |
| 16013-00-RC-4406 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 6 OF 13 |
| 16013-00-RC-4407 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 7 OF 13 |
| 16013-00-RC-4408 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 8 OF 13 |
| 16013-00-RC-4409 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 9 OF 13 |
| 16013-00-RC-4410 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 10 OF 13 |
| 16013-00-RC-4411 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 11 OF 13 |
| 16013-00-RC-4412 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 12 OF 13 |
| 16013-00-RC-4413 | A | STORMWATER CULVERT LAYOUT PLAN SHEET 13 OF 13 |
| 16013-00-RC-5000 | A | WASTEWATER OVERALL PLAN |
| 16013-00-RC-5001 | A | WASTEWATER PLAN SHEET 1 OF 7 |
| 16013-00-RC-5002 | A | WASTEWATER PLAN SHEET 2 OF 7 |
| 16013-00-RC-5003 | A | WASTEWATER PLAN SHEET 3 OF 7 |
| 16013-00-RC-5004 | A | WASTEWATER PLAN SHEET 4 OF 7 |
| 16013-00-RC-5005 | A | WASTEWATER PLAN SHEET 5 OF 7 |
| 16013-00-RC-5006 | A | WASTEWATER PLAN SHEET 6 OF 7 |
| 16013-00-RC-5007 | A | WASTEWATER PLAN SHEET 7 OF 7 |
| 16013-00-RC-6000 | A | WATERMAIN OVERALL PLAN |
| 16013-00-RC-6001 | A | WATERMAIN PLAN SHEET 1 OF 7 |
| 16013-00-RC-6002 | A | WATERMAIN PLAN SHEET 2 OF 7 |
| 16013-00-RC-6003 | A | WATERMAIN PLAN SHEET 3 OF 7 |
| 16013-00-RC-6004 | A | WATERMAIN PLAN SHEET 4 OF 7 |
| 16013-00-RC-6005 | A | WATERMAIN PLAN SHEET 5 OF 7 |
| 16013-00-RC-6006 | A | WATERMAIN PLAN SHEET 6 OF 7 |
| 16013-00-RC-6007 | A | WATERMAIN PLAN SHEET 7 OF 7 |

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

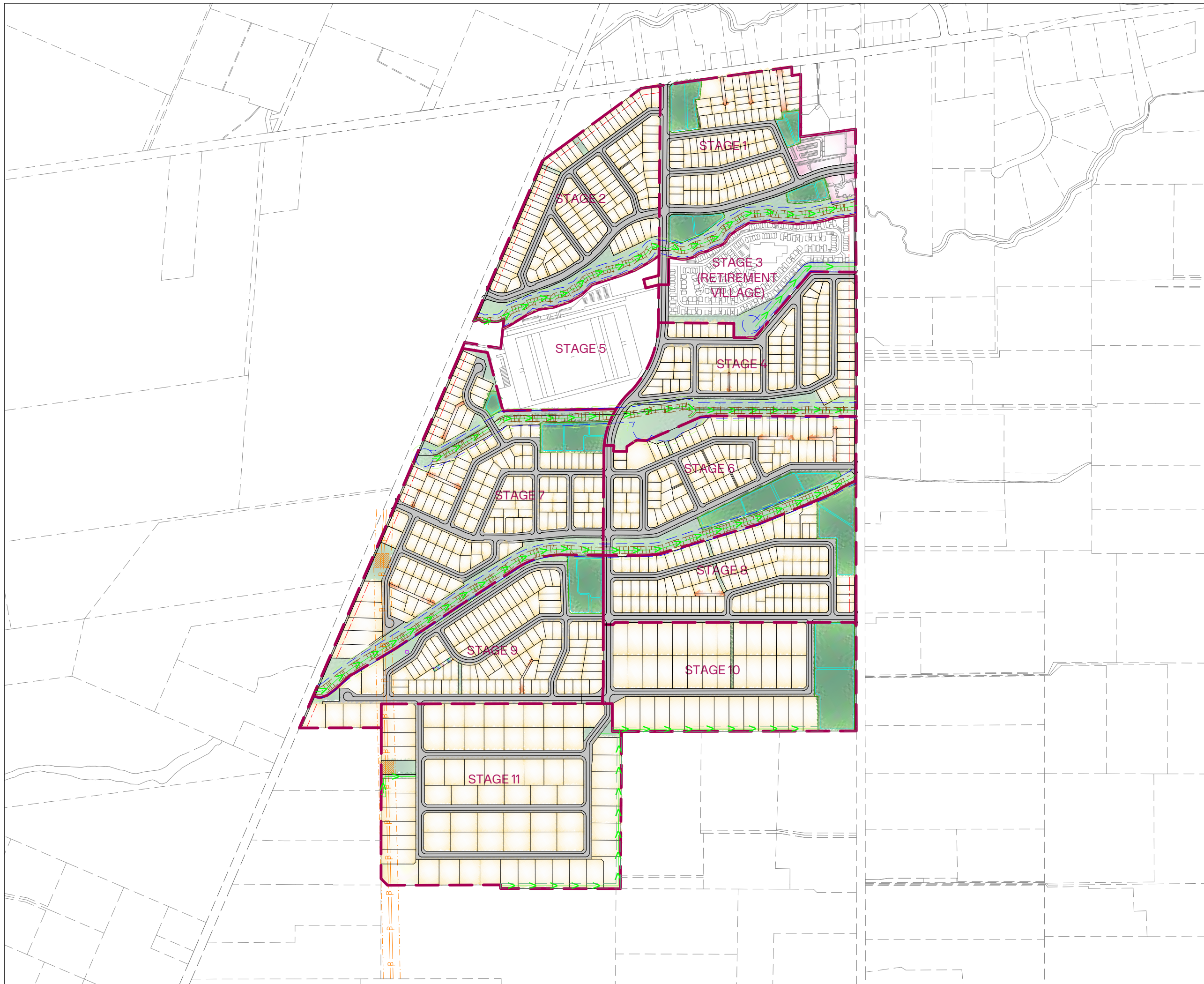
DESCRIPTION: **DRAWING INDEX
AND SITE LOCALITY PLAN**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AA | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

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| SCALE | NOT TO SCALE | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-1000 | |

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- RESIDENTIAL LOTS
- COMMERCIAL AREA
- PROPOSED ROAD
- PROPOSED RIGHT OF WAY
- PROPOSED WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- DRAIN SETBACK
- CELLPHONE TOWER
- EXISTING OVERHEAD POWER LINE
- 19m TRANSPower NATIONAL GRID YARD
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS



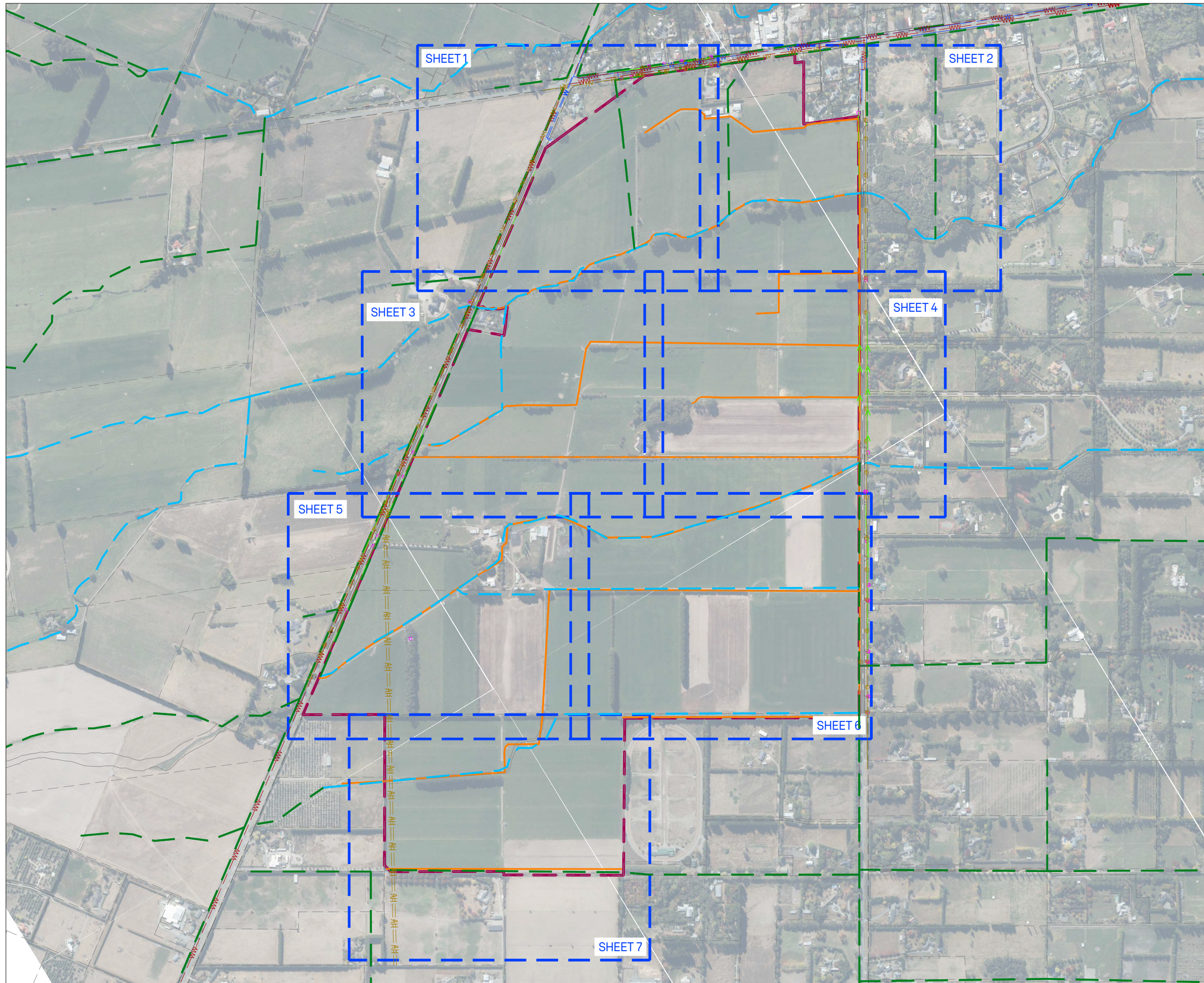
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
GENERAL LAYOUT PLAN

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | SS | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

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| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1010 | | |



- NOTES:**
- HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
 - ALL WORKS SHALL COMPLY WITH THE WDC COP.
 - EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
 - ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
 - THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
 - BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
 - THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

- LEGEND:**
- SITE BOUNDARY
 - ABUTTAL BOUNDARY
 - EXISTING WATER CHANNEL (WDC 3 WATER MAP)
 - EXISTING WATERWAY (WDC 3 WATER MAP)
 - EXISTING WATERWAY (FROM SITE OBSERVATIONS)
 - EXISTING ROADSIDE SWALE
 - EXISTING WATER SUPPLY
 - EXISTING WATER METER
 - EXISTING FIRE HYDRANT
 - EXISTING WASTEWATER
 - EXISTING HV POWER CABLE
 - EXISTING POWER PYLON
 - EXISTING POWER POLE
 - EXISTING POWER BOX
 - EXISTING TELECOM FIBRE TAIL
 - EXISTING TELECOM PIT
 - EXISTING TELECOM TOWER
 - EXISTING TREES

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| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **EXISTING SERVICES
OVERALL PLAN**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

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| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1500 | | |



- NOTES:**
- HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
 - ALL WORKS SHALL COMPLY WITH THE WDC COP.
 - EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
 - ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
 - THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
 - BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
 - THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

- LEGEND:**
- SITE BOUNDARY
 - ABUTTAL BOUNDARY
 - EXISTING WATER CHANNEL (WDC 3 WATER MAP)
 - EXISTING WATERWAY (WDC 3 WATER MAP)
 - EXISTING WATERWAY (FROM SITE OBSERVATIONS)
 - EXISTING ROADSIDE SWALE
 - EXISTING WATER SUPPLY
 - EXISTING WATER METER
 - EXISTING FIRE HYDRANT
 - EXISTING WASTEWATER
 - EXISTING HV POWER CABLE
 - EXISTING POWER PYLON
 - EXISTING POWER POLE
 - EXISTING POWER BOX
 - EXISTING TELECOM FIBRE TAIL
 - EXISTING TELECOM PIT
 - EXISTING TELECOM TOWER
 - EXISTING TREES

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| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **EXISTING SERVICES PLAN
SHEET 1 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

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| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1501 | | |





- NOTES:**
- HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
 - ALL WORKS SHALL COMPLY WITH THE WDC COP.
 - EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
 - ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
 - THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
 - BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
 - THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

- LEGEND:**
- SITE BOUNDARY
 - ABUTTAL BOUNDARY
 - EXISTING WATER CHANNEL (WDC 3 WATER MAP)
 - EXISTING WATERWAY (WDC 3 WATER MAP)
 - EXISTING WATERWAY (FROM SITE OBSERVATIONS)
 - EXISTING ROADSIDE SWALE
 - EXISTING WATER SUPPLY
 - EXISTING WATER METER
 - EXISTING FIRE HYDRANT
 - EXISTING WASTEWATER
 - EXISTING HV POWER CABLE
 - EXISTING POWER PYLON
 - EXISTING POWER POLE
 - EXISTING POWER BOX
 - EXISTING TELECOM FIBRE TAIL
 - EXISTING TELECOM PIT
 - EXISTING TELECOM TOWER
 - EXISTING TREES

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|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING SERVICES PLAN
 SHEET 2 OF 7**

| | | | |
|---------|-------------------------|------------|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1502 | | |



NOTES:

1. HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
2. ALL WORKS SHALL COMPLY WITH THE WDC COP.
3. EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
5. THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
6. BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
7. THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EXISTING WATER CHANNEL (WDC 3 WATER MAP)
- EXISTING WATERWAY (WDC 3 WATER MAP)
- EXISTING WATERWAY (FROM SITE OBSERVATIONS)
- EXISTING ROADSIDE SWALE
- EXISTING WATER SUPPLY
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER
- EXISTING HV POWER CABLE
- EXISTING POWER PYLON
- EXISTING POWER POLE
- EXISTING POWER BOX
- EXISTING TELECOM FIBRE TAIL
- EXISTING TELECOM PIT
- EXISTING TELECOM TOWER
- EXISTING TREES

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| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **EXISTING SERVICES PLAN
SHEET 3 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1503 | | |



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:

1. HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
2. ALL WORKS SHALL COMPLY WITH THE WDC COP.
3. EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
5. THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
6. BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
7. THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EXISTING WATER CHANNEL (WDC 3 WATER MAP)
- EXISTING WATERWAY (WDC 3 WATER MAP)
- EXISTING WATERWAY (FROM SITE OBSERVATIONS)
- EXISTING ROADSIDE SWALE
- EXISTING WATER SUPPLY
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER
- EXISTING HV POWER CABLE
- EXISTING POWER PYLON
- EXISTING POWER POLE
- EXISTING POWER BOX
- EXISTING TELECOM FIBRE TAIL
- EXISTING TELECOM PIT
- EXISTING TELECOM TOWER
- EXISTING TREES

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING SERVICES PLAN
 SHEET 4 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

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|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1504 | | |



NOTES:

1. HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
2. ALL WORKS SHALL COMPLY WITH THE WDC COP.
3. EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
5. THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
6. BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
7. THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EXISTING WATER CHANNEL (WDC 3 WATER MAP)
- EXISTING WATERWAY (WDC 3 WATER MAP)
- EXISTING WATERWAY (FROM SITE OBSERVATIONS)
- EXISTING ROADSIDE SWALE
- EXISTING WATER SUPPLY
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER
- EXISTING HV POWER CABLE
- EXISTING POWER PYLON
- EXISTING POWER POLE
- EXISTING POWER BOX
- EXISTING TELECOM FIBRE TAIL
- EXISTING TELECOM PIT
- EXISTING TELECOM TOWER
- EXISTING TREES

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING SERVICES PLAN
 SHEET 5 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1505 | | |



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

NOTES:

1. HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
2. ALL WORKS SHALL COMPLY WITH THE WDC COP.
3. EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
5. THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
6. BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
7. THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EXISTING WATER CHANNEL (WDC 3 WATER MAP)
- EXISTING WATERWAY (WDC 3 WATER MAP)
- EXISTING WATERWAY (FROM SITE OBSERVATIONS)
- EXISTING ROADSIDE SWALE
- EXISTING WATER SUPPLY
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER
- EXISTING HV POWER CABLE
- EXISTING POWER PYLON
- EXISTING POWER POLE
- EXISTING POWER BOX
- EXISTING TELECOM FIBRE TAIL
- EXISTING TELECOM PIT
- EXISTING TELECOM TOWER
- EXISTING TREES

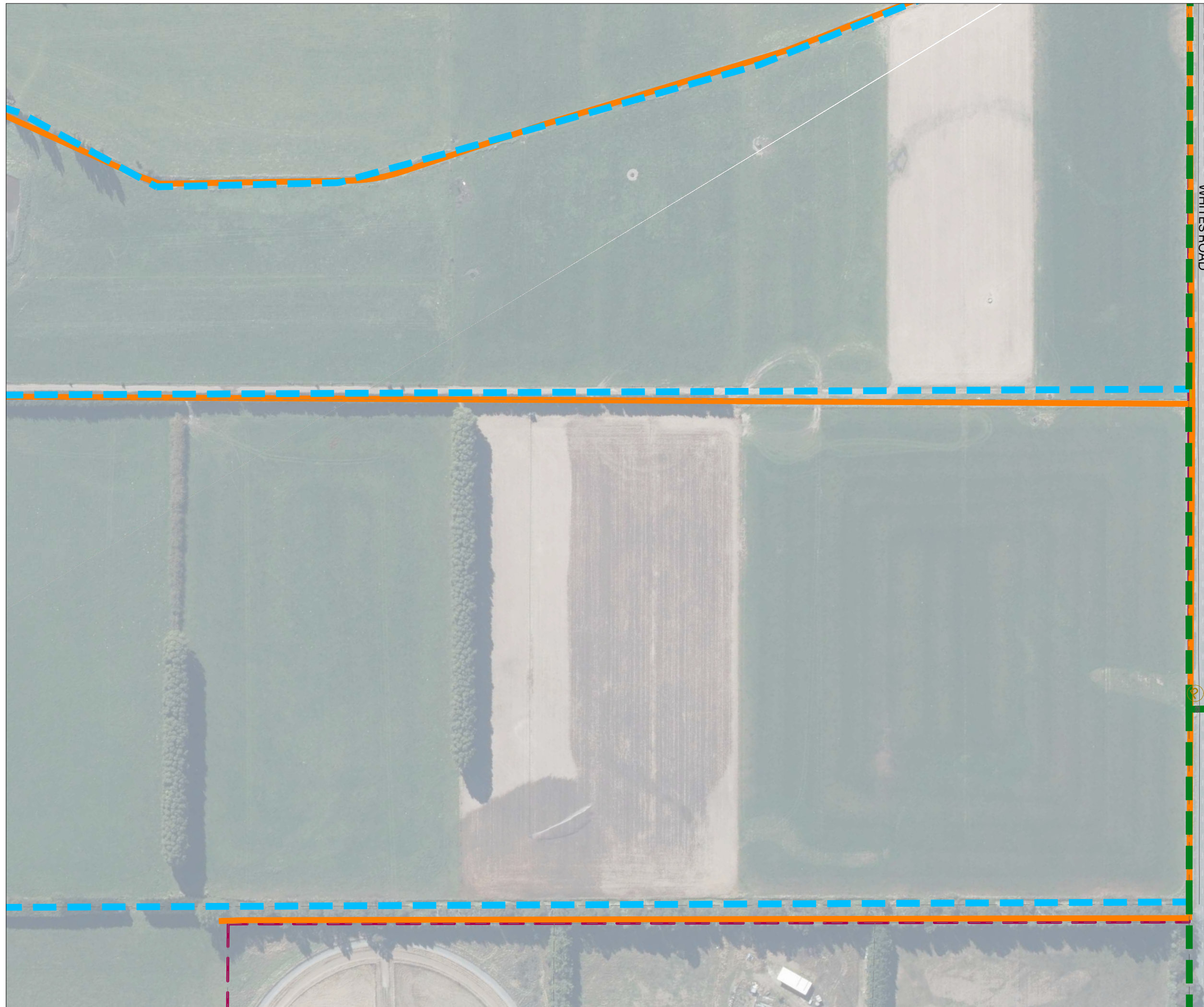
| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING SERVICES PLAN
 SHEET 6 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-1506 | | |



NOTES:

1. HORIZONTAL DATUM SHOWN IN TERMS OF NZVD2016.
2. ALL WORKS SHALL COMPLY WITH THE WDC COP.
3. EXISTING SERVICES ARE FROM THE WDC 3 WATER GIS MAP. THE CONTRACTOR MUST CONFIRM SERVICE LOCATIONS ON SITE THROUGH POTHOLING PRIOR TO THE COMMENCEMENT OF ANY WORKS.
4. ANY ASBESTOS PIPE MUST BE HANDLED BY, OR UNDER THE DIRECT SUPERVISION OF, A LICENSED ASBESTOS REMOVAL CONTRACTOR.
5. THE FULL EXTENT OF ASBESTOS PIPE IS TO BE CONFIRMED ON SITE THROUGH POTHOLING.
6. BUILDING FOOTPRINTS SHOWN ARE INDICATIVE ONLY AND HAVE NOT BEEN SURVEYED.
7. THE AERIAL IMAGERY IN THE BACKGROUND IS SOURCED FROM LINZ AND IS INDICATIVE ONLY OF SITE CONDITIONS AT THE TIME OF CAPTURE.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EXISTING WATER CHANNEL (WDC 3 WATER MAP)
- EXISTING WATERWAY (WDC 3 WATER MAP)
- EXISTING WATERWAY (FROM SITE OBSERVATIONS)
- EXISTING ROADSIDE SWALE
- EXISTING WATER SUPPLY
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING WASTEWATER
- EXISTING HV POWER CABLE
- EXISTING POWER PYLON
- EXISTING POWER POLE
- EXISTING POWER BOX
- EXISTING TELECOM FIBRE TAIL
- EXISTING TELECOM PIT
- EXISTING TELECOM TOWER
- EXISTING TREES

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING SERVICES PLAN
 SHEET 7 OF 7**

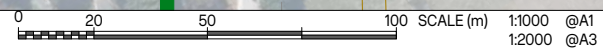
| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

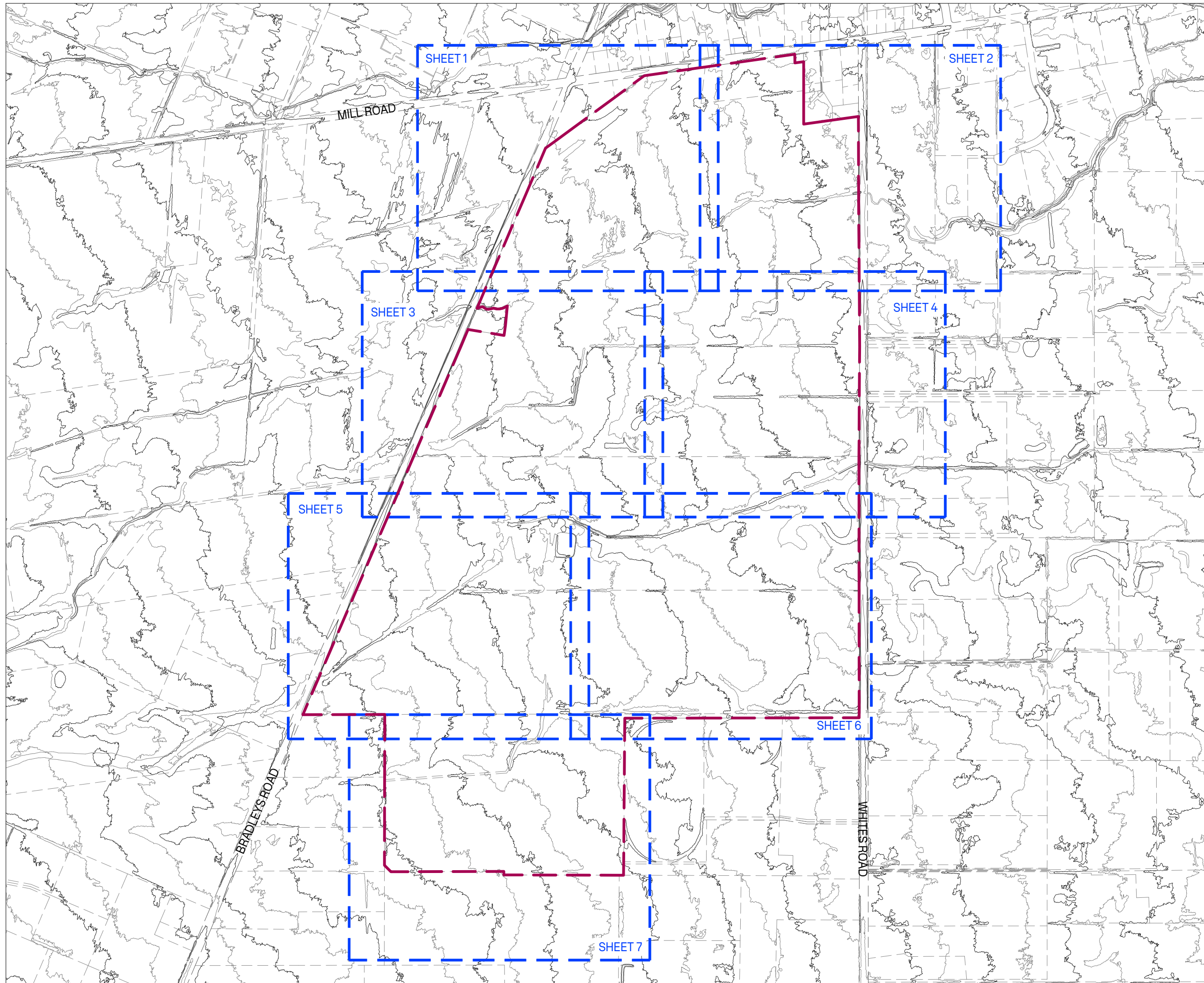
SCALE 1:1000 @A1 1:2000 @A3 REVISION

STATUS **FOR CONSENT** **B**

PROJECT **16013**

DWG NO **16013-00-RC-1507**





- NOTES:**
1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

- - - SITE BOUNDARY
- - - ABUTTAL BOUNDARY
- EX CONTOURS AT 0.5m INTERVALS

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **EXISTING CONTOURS
OVERALL PLAN**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2000 | | |

0 80 200 400 SCALE (m) 1:4000 @A1 1:8000 @A3

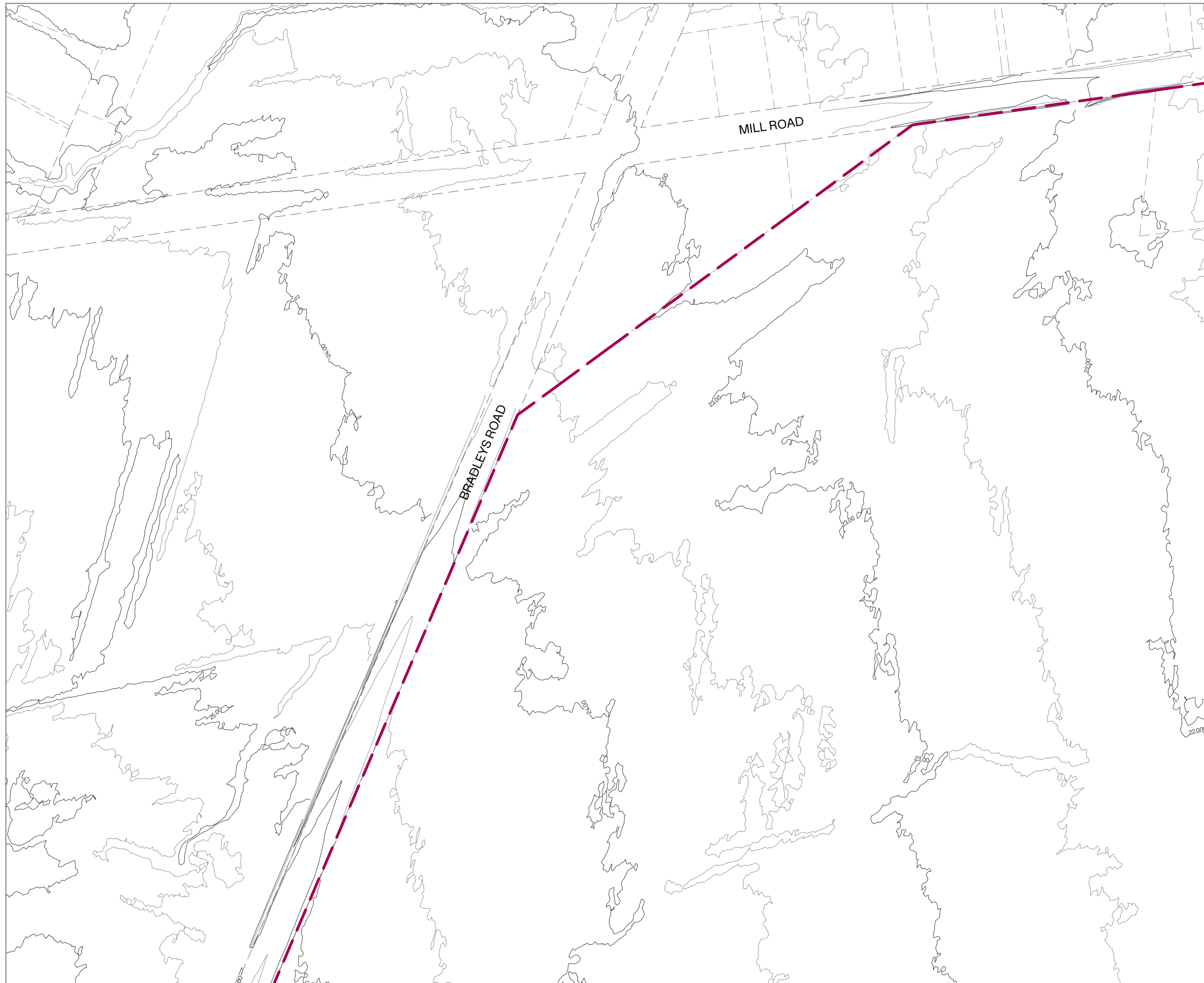


NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EX CONTOURS AT 0.5m INTERVALS



| REVISION | DESCRIPTION | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

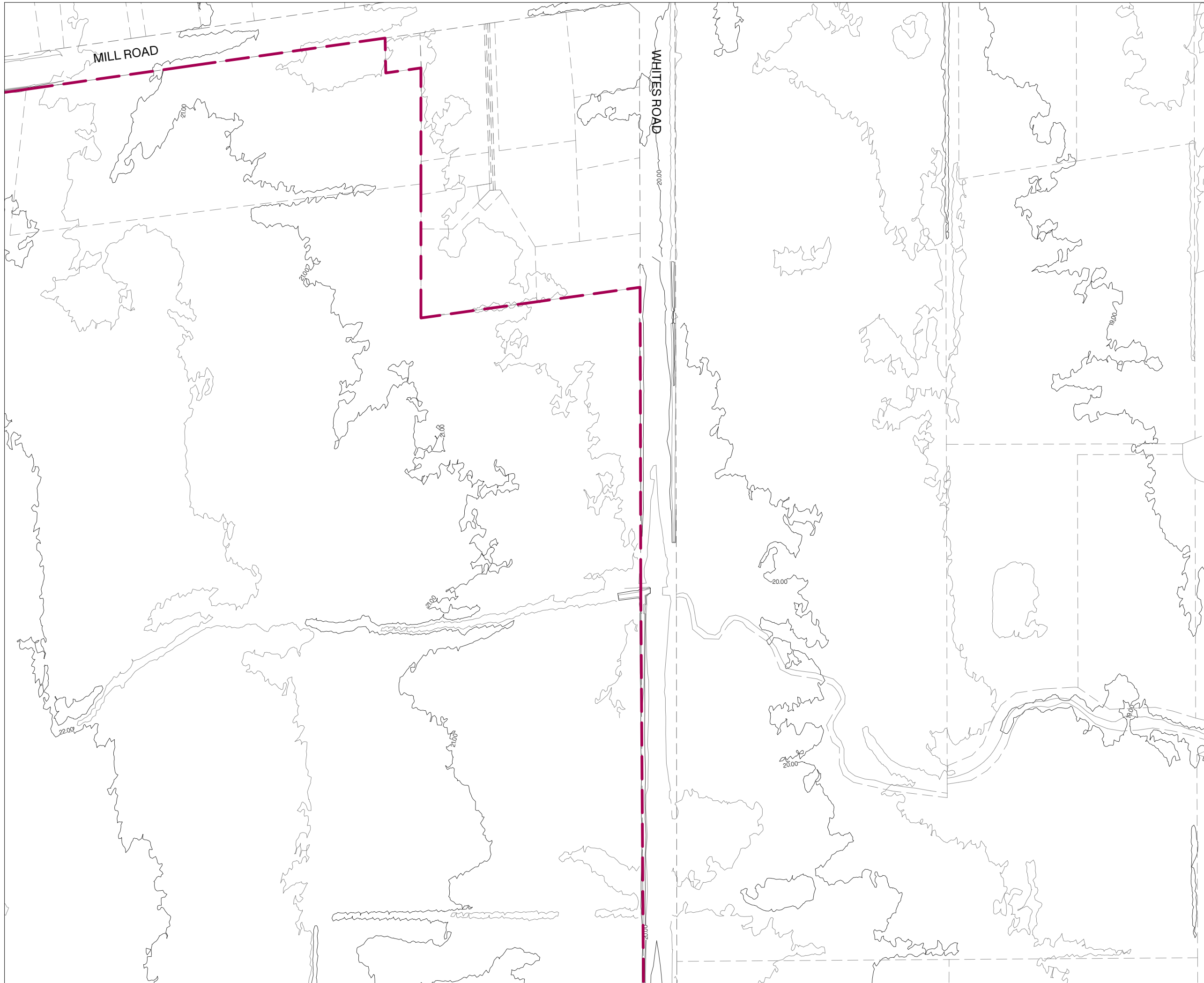
PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 1 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2001 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EX CONTOURS AT 0.5m INTERVALS

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 2 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2002 | | |






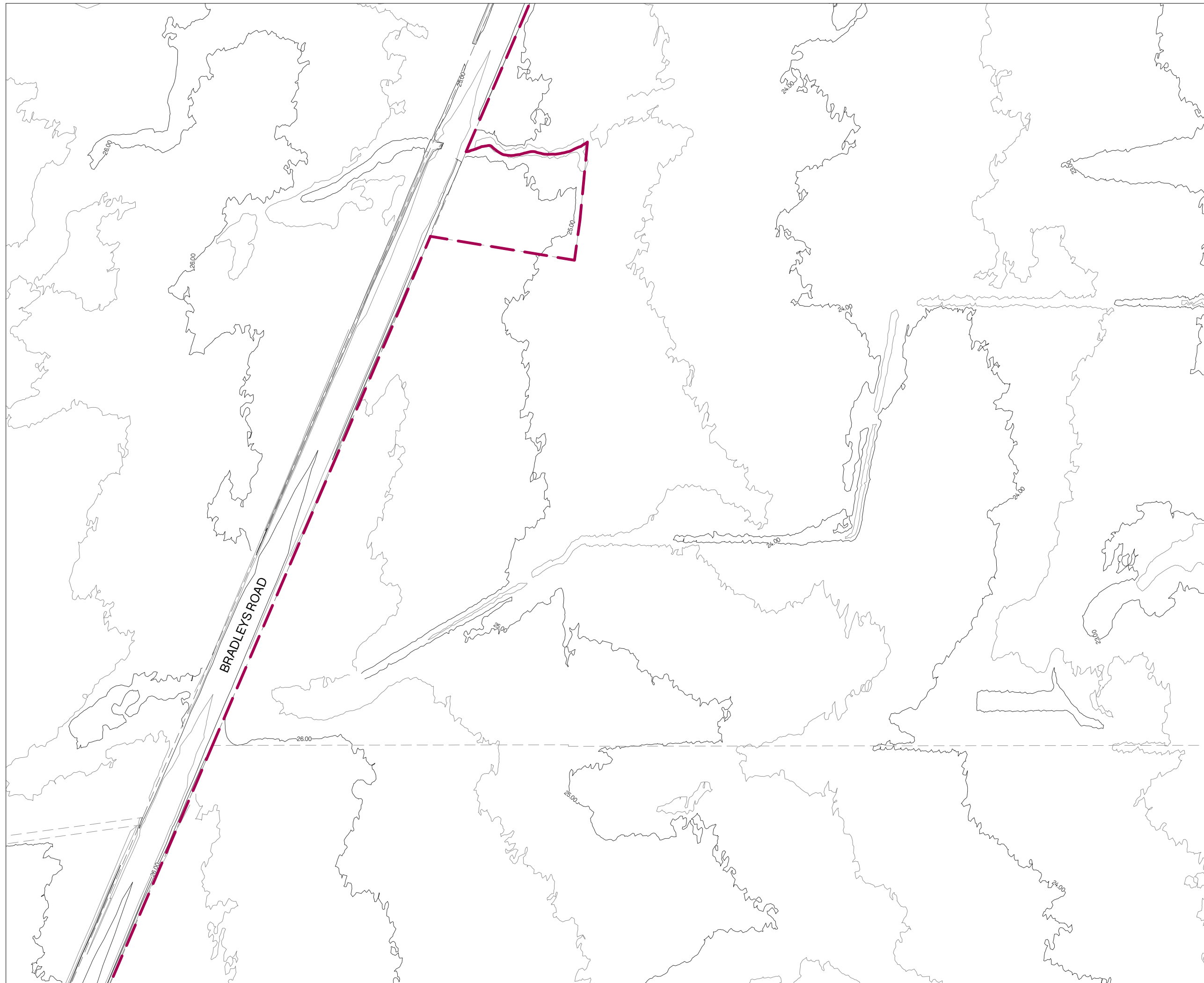


NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 1/2024 TO 01/2025.

LEGEND:


-  SITE BOUNDARY
-  ABUTTAL BOUNDARY
-  EX CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 3 OF 7**

| | | | |
|---|----------|----|------------|
|  | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2003 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

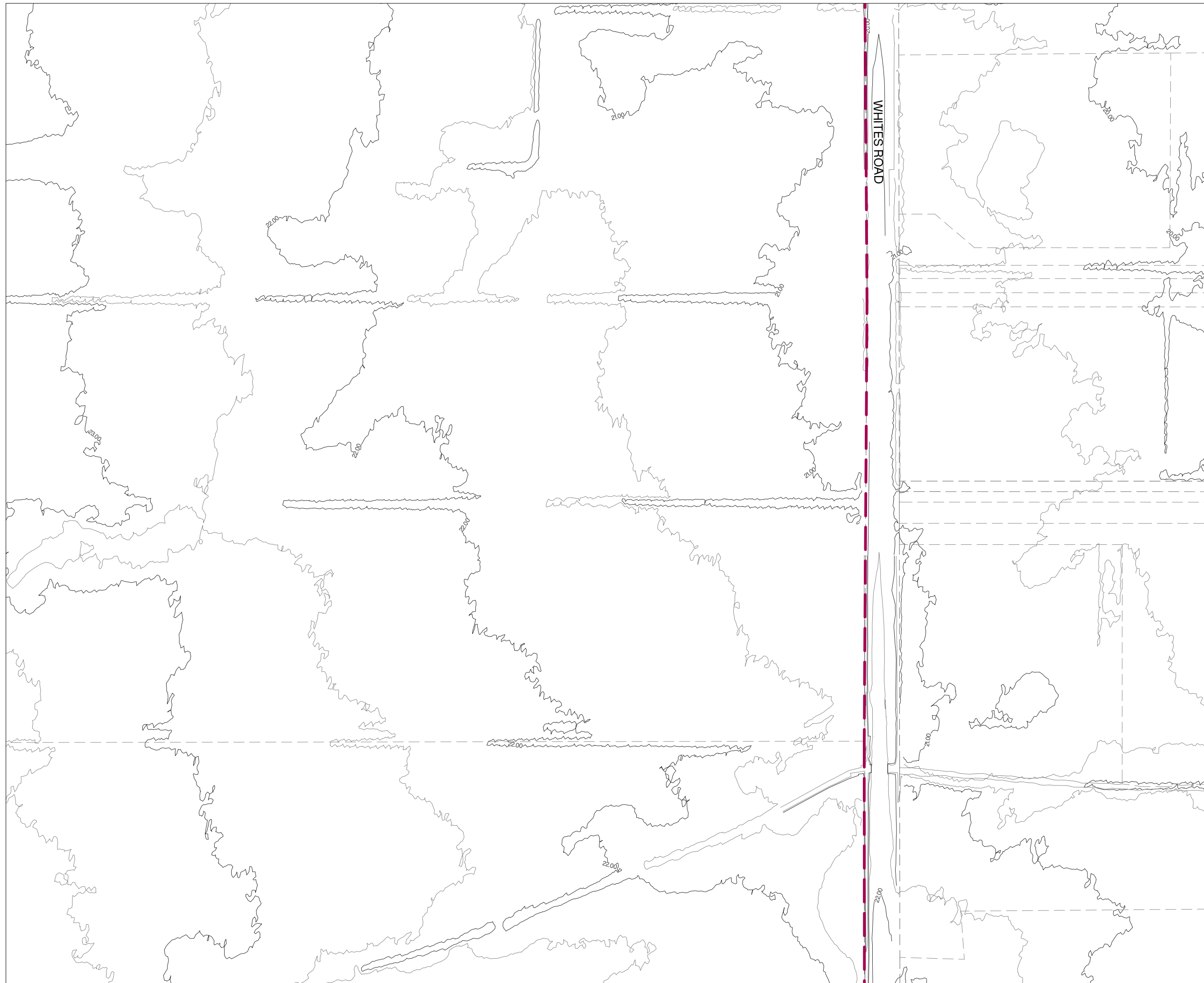


NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EX CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 4 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2004 | | |






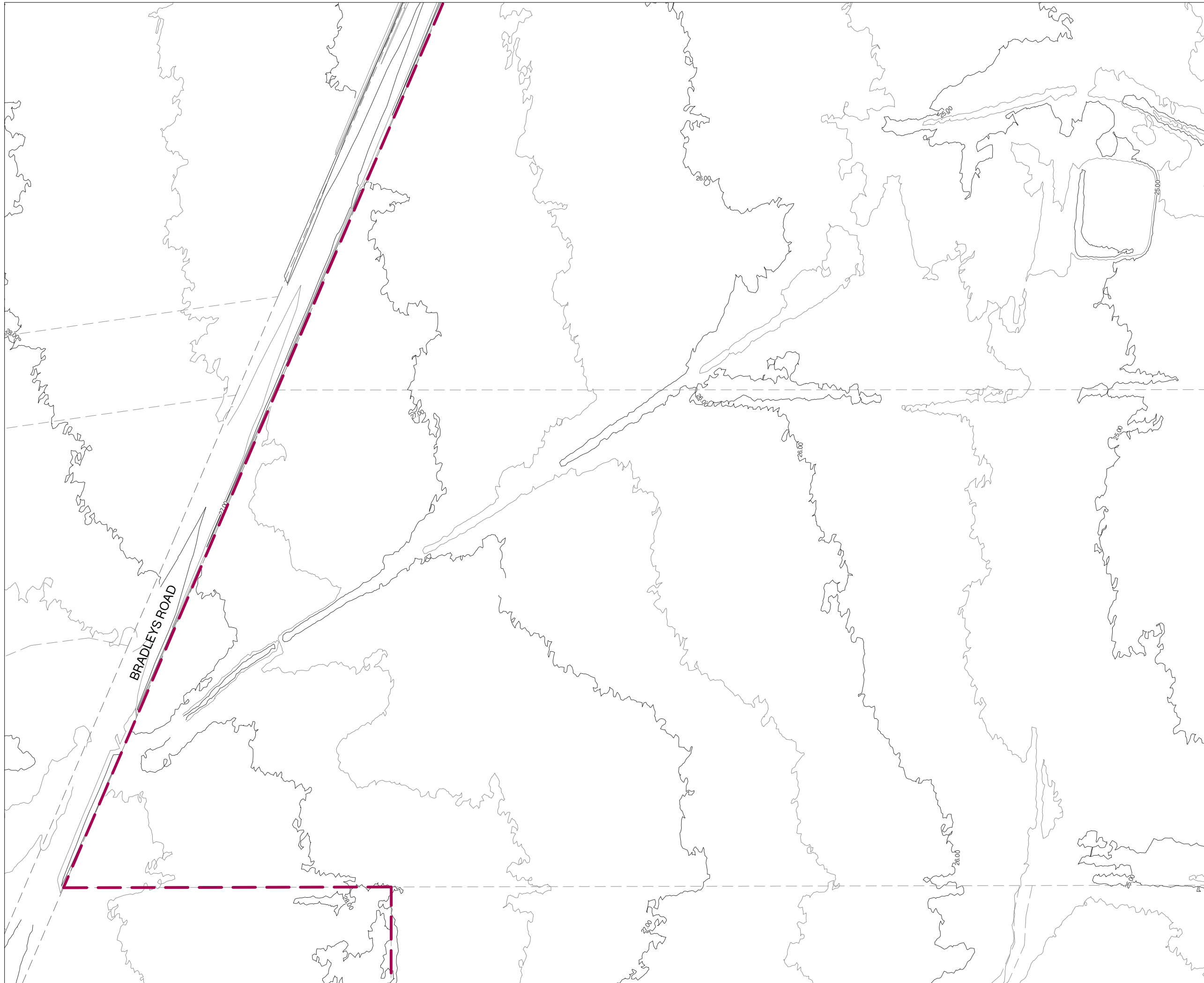


NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:


-  SITE BOUNDARY
-  ABUTTAL BOUNDARY
-  EX CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 5 OF 7**

| | | | |
|---|----------|----|------------|
|  | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

SCALE 1:1000 @A1 1:2000 @A3 REVISION

STATUS **FOR CONSENT** **B**

PROJECT **16013**

DWG NO **16013-00-RC-2005**




0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

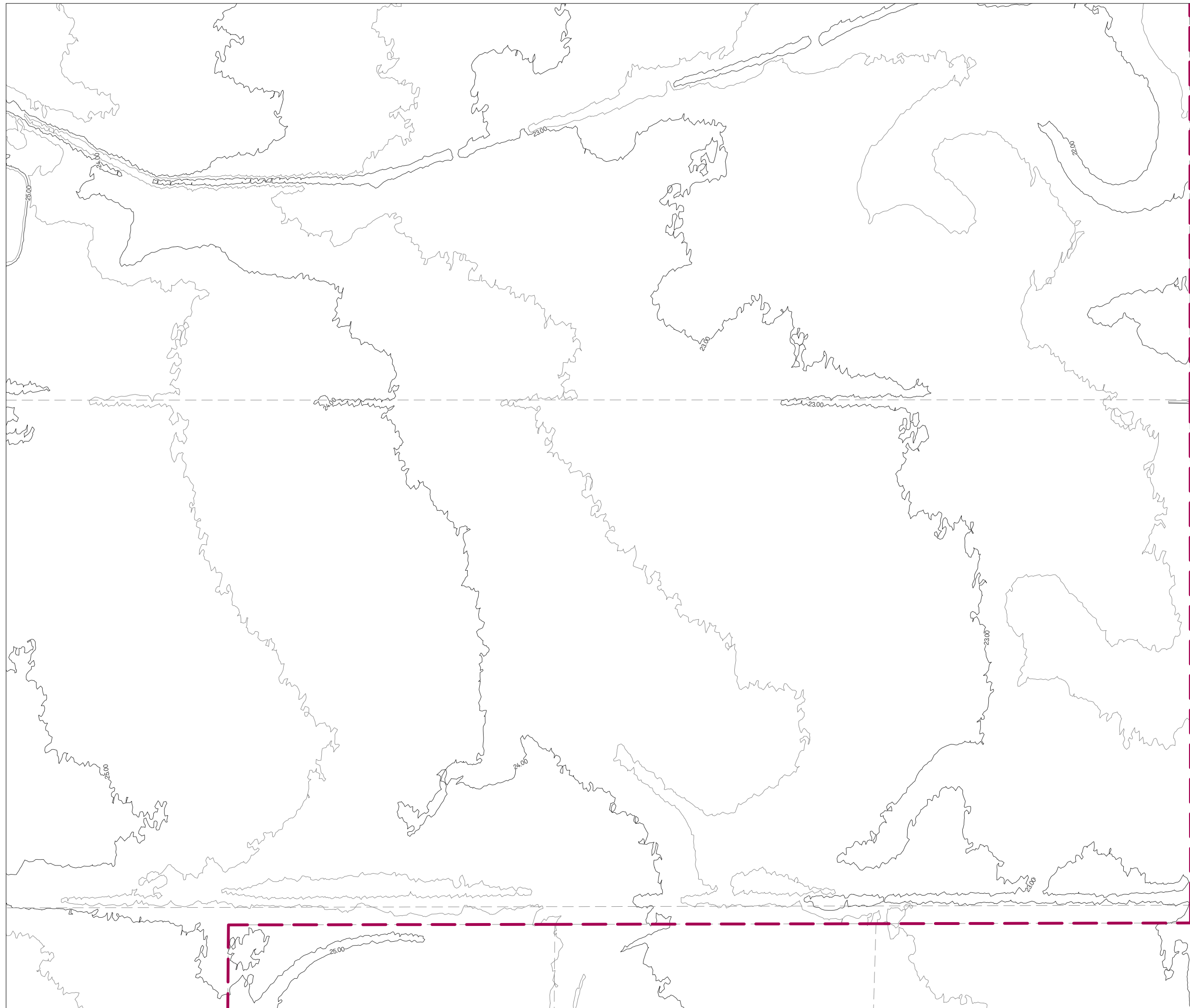


NOTES:

1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

-  SITE BOUNDARY
-  ABUTTAL BOUNDARY
-  EX CONTOURS AT 0.5m INTERVALS




WHITES ROAD

| REVISION | DESCRIPTION | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 6 OF 7**

| | | | |
|---|----------|----|------------|
|  | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2006 | | |



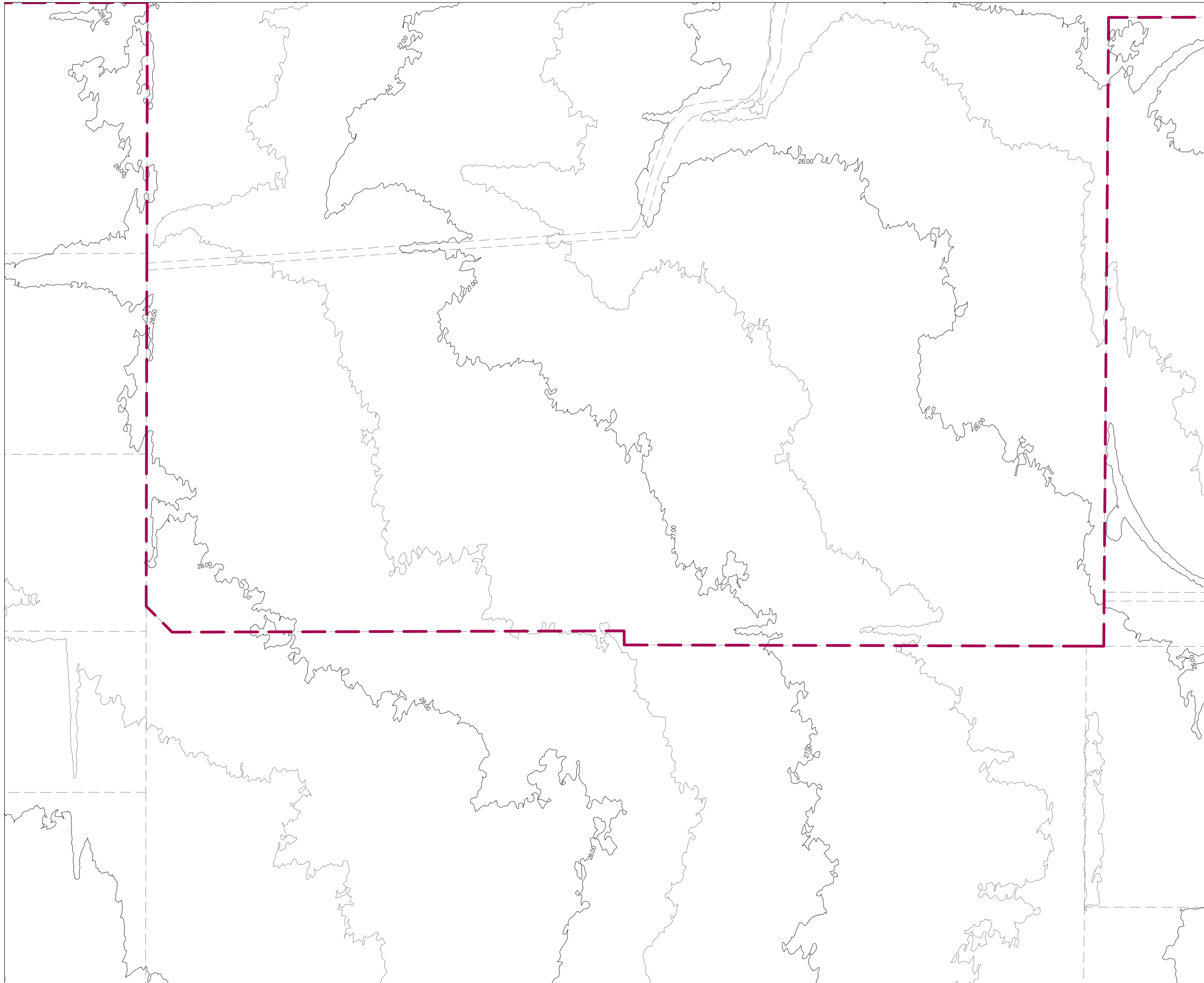


NOTES:

- 1. HEIGHTS ARE IN METERS, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- 2. ALL EARTHWORKS AND FINISHED SURFACES SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE.
- 3. EXISTING SURFACE MODEL DERIVED FROM LIDAR DATA CAPTURED FOR ENVIRONMENT CANTERBURY REGIONAL COUNCIL BY AERIAL SURVEYS LTD BETWEEN 1 MAY 2020 AND 28 APRIL 2023, DOWNLOADED FROM LAND INFORMATION NEW ZEALAND DATA SERVICE ON 18/12/2024, IN CONJUNCTION WITH TOPOGRAPHIC SURVEY DATA COLLECTED BY INOVO PROJECTS LIMITED FROM 11/2024 TO 01/2025.

LEGEND:

- SITE BOUNDARY
- ABUTTAL BOUNDARY
- EX CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

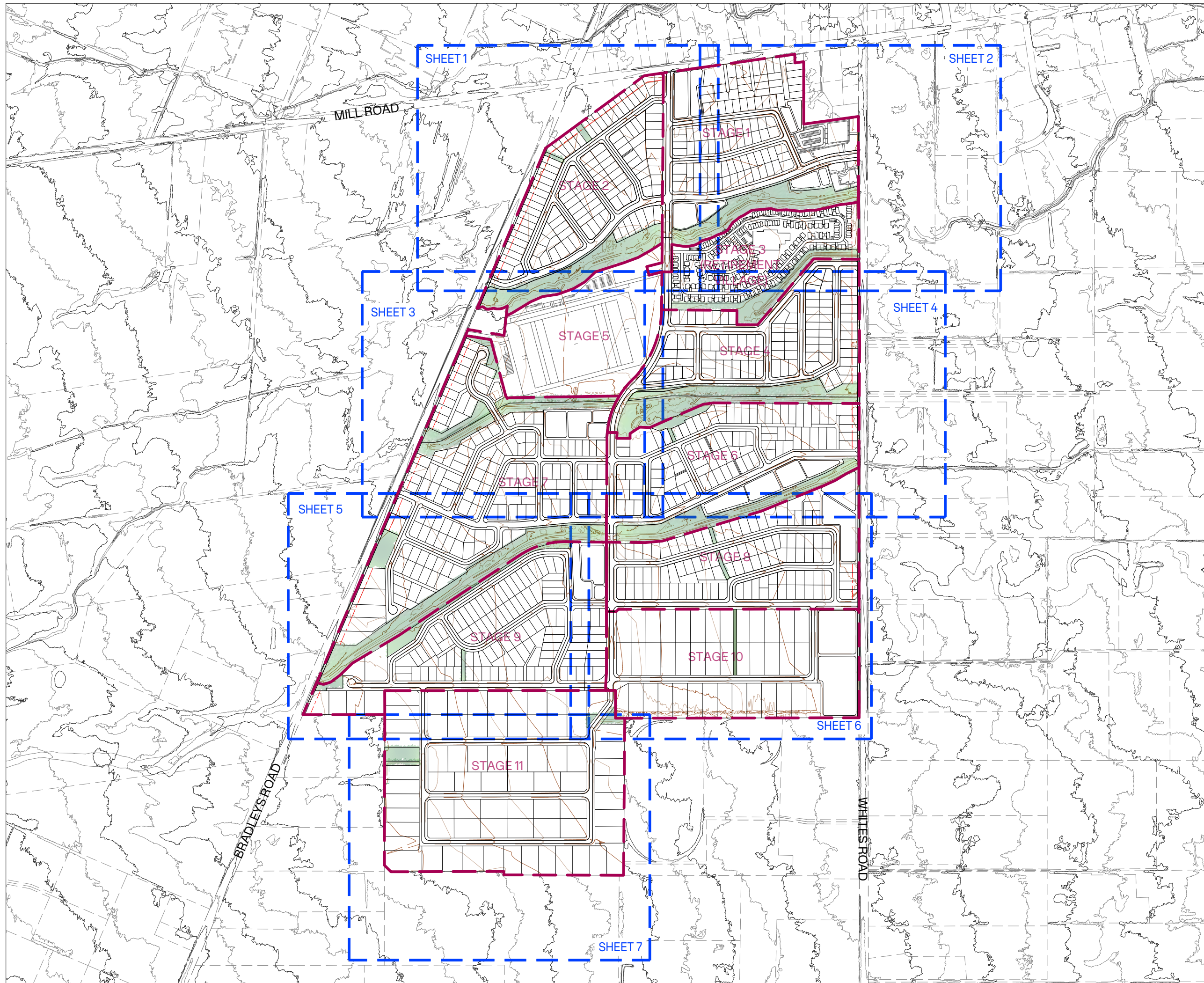
PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**EXISTING CONTOURS PLAN
 SHEET 7 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2007 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
 - HEIGHTS IN TERMS OF NZVD2016.
 - TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
 - ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - 15m LANDSCAPING STRIP SETBACK
 - DRAIN SETBACK
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS
 - RESERVE / WALKWAYS

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **PROPOSED CONTOURS
OVERALL PLAN**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|-------------|----------|
| SCALE | 1:4,000 @A1 | 1:8,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2050 | | |





NOTES:

- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
- HEIGHTS IN TERMS OF NZVD2016.
- TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
- ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- 15m LANDSCAPING STRIP SETBACK
- DRAIN SETBACK
- EX CONTOURS AT 0.5m INTERVALS
- PR CONTOURS AT 0.5m INTERVALS
- RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**PROPOSED CONTOURS PLAN
 SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2051 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

Synergy Version: Plot Date: 14:58:34, 9 June 2026. ADMINMANUX

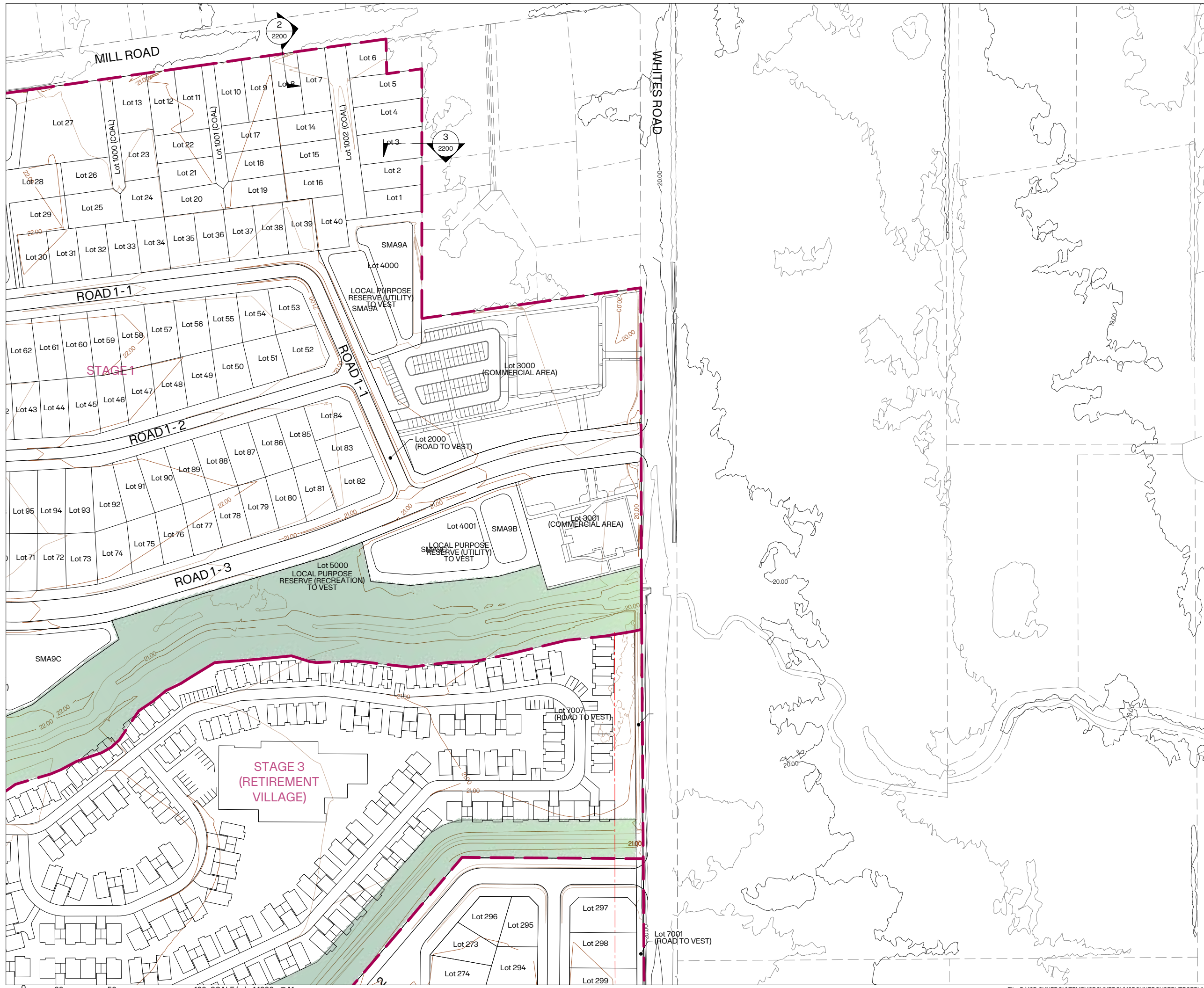


NOTES:

- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
- HEIGHTS IN TERMS OF NZVD2016.
- TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
- ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- 15m LANDSCAPING STRIP SETBACK
- DRAIN SETBACK
- EX CONTOURS AT 0.5m INTERVALS
- PR CONTOURS AT 0.5m INTERVALS
- RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **PROPOSED CONTOURS PLAN
SHEET 2 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2052 | | |





- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
 - HEIGHTS IN TERMS OF NZVD2016.
 - TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
 - ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - 15m LANDSCAPING STRIP SETBACK
 - DRAIN SETBACK
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS
 - RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**PROPOSED CONTOURS PLAN
 SHEET 3 OF 7**

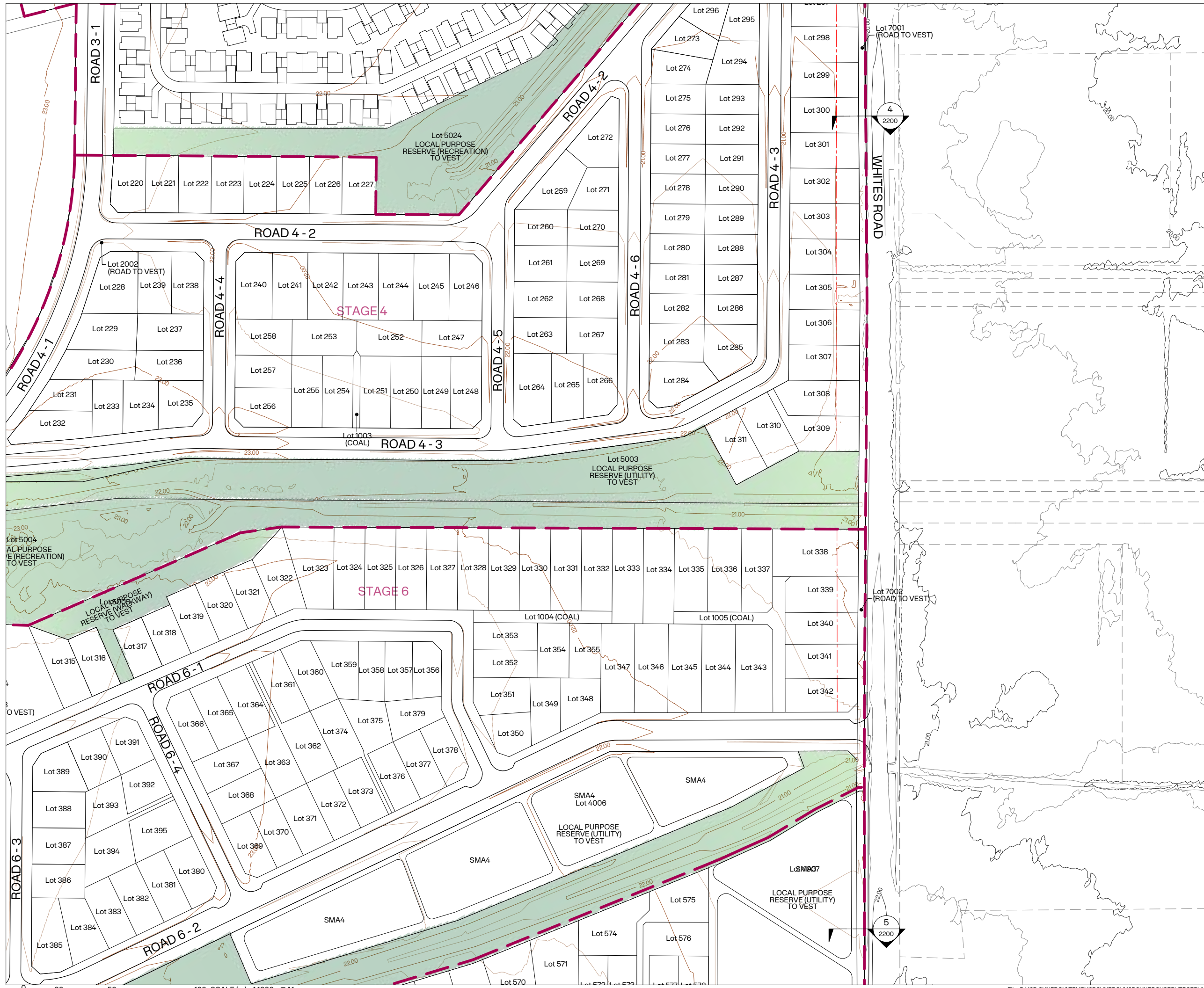
| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-2053 | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
 - HEIGHTS IN TERMS OF NZVD2016.
 - TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
 - ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - 15m LANDSCAPING STRIP SETBACK
 - DRAIN SETBACK
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS
 - RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**PROPOSED CONTOURS PLAN
 SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

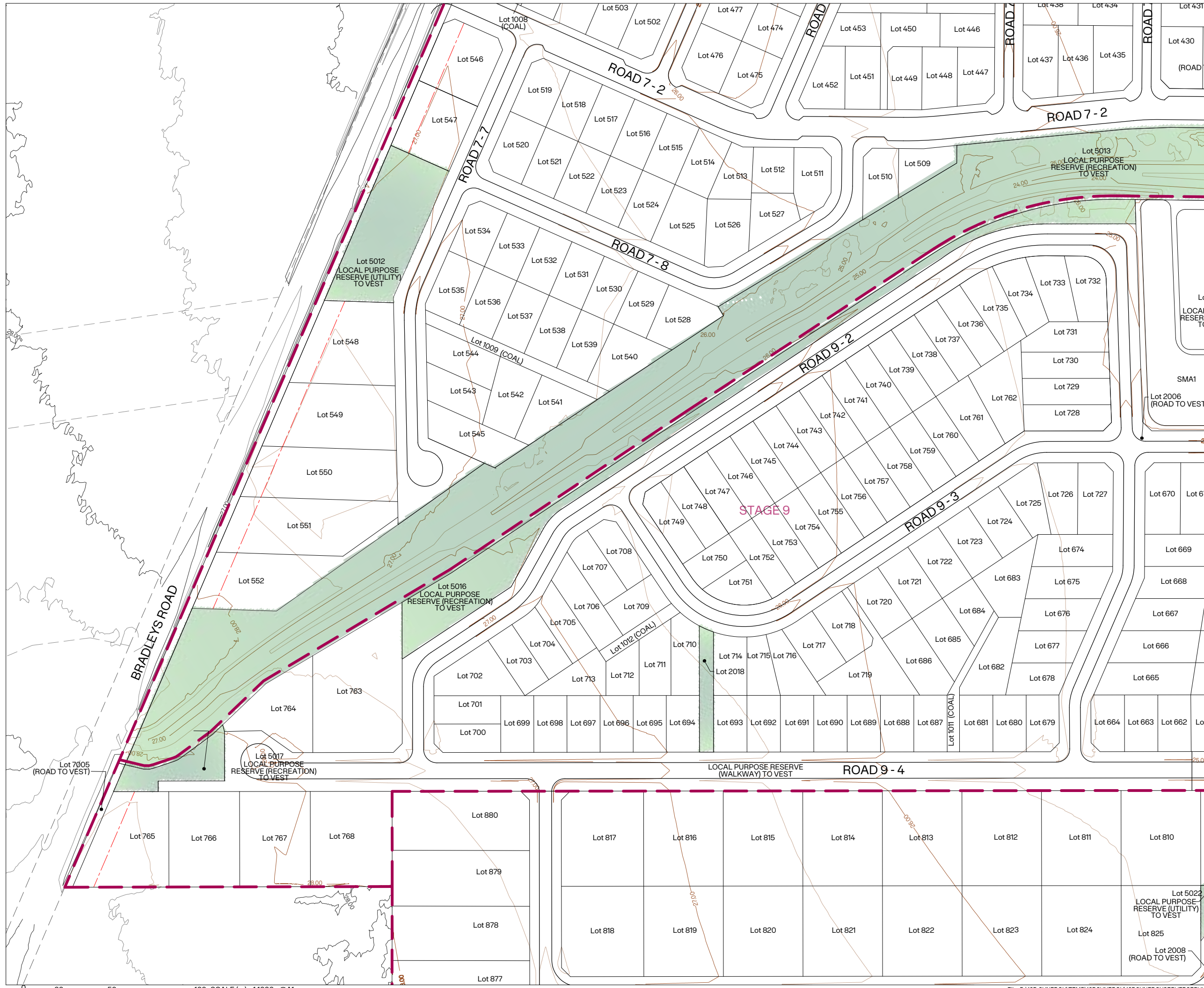
| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2054 | | |

0 20 50 100 SCALE (m) 1:1000 @A1
 1:2000 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
 - HEIGHTS IN TERMS OF NZVD2016.
 - TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
 - ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - 15m LANDSCAPING STRIP SETBACK
 - DRAIN SETBACK
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS
 - RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**PROPOSED CONTOURS PLAN
 SHEET 5 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |

DWG NO
16013-00-RC-2055

0 20 50 100 SCALE (m) 1:1000 @A1
 1:2000 @A3

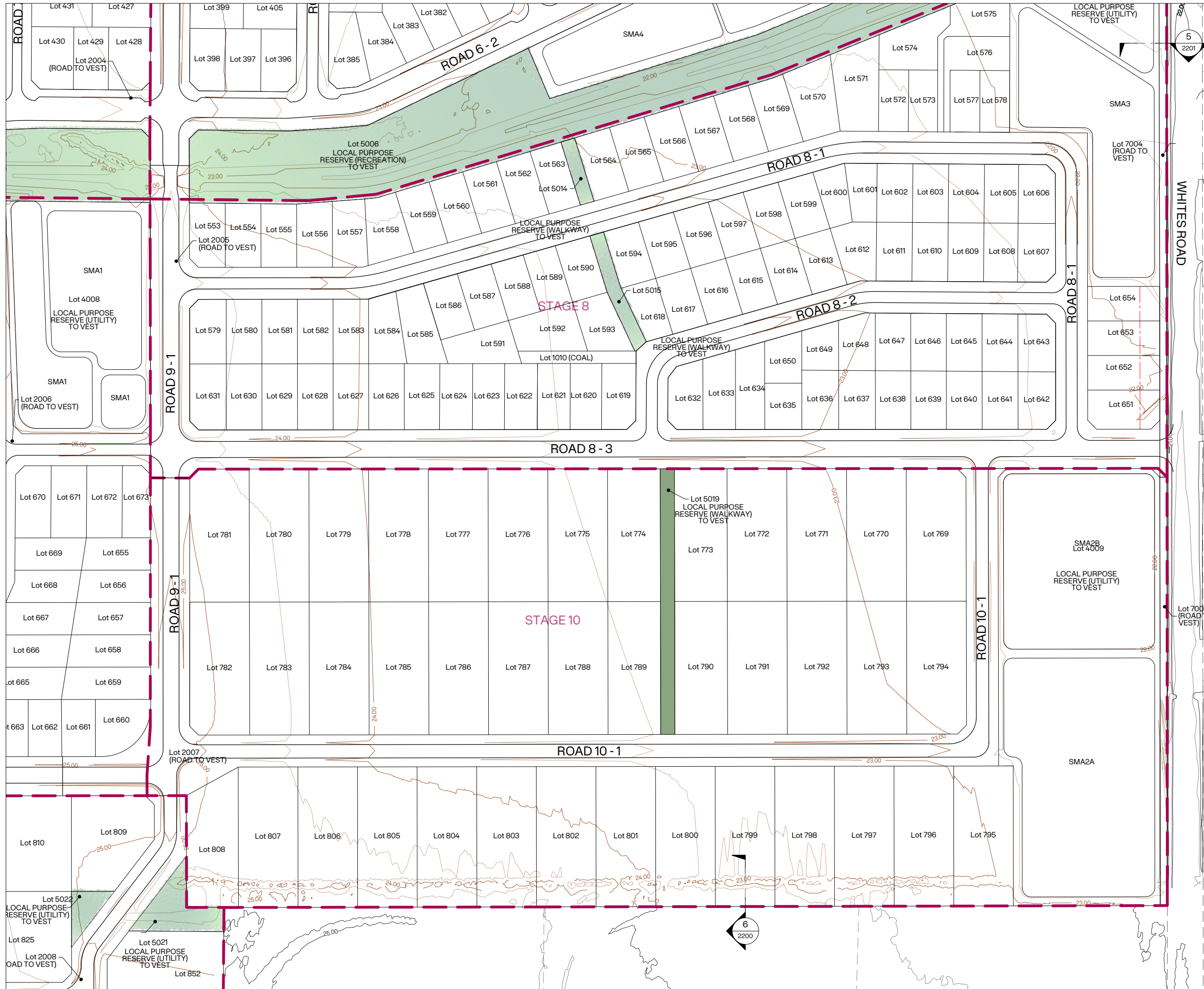


NOTES:

1. EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
2. HEIGHTS IN TERMS OF NZVD2016.
3. TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
4. EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
5. ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
6. ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- 15m LANDSCAPING STRIP SETBACK
- DRAIN SETBACK
- EX CONTOURS AT 0.5m INTERVALS
- PR CONTOURS AT 0.5m INTERVALS
- RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **PROPOSED CONTOURS PLAN
SHEET 6 OF 7**

| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-2056 | |



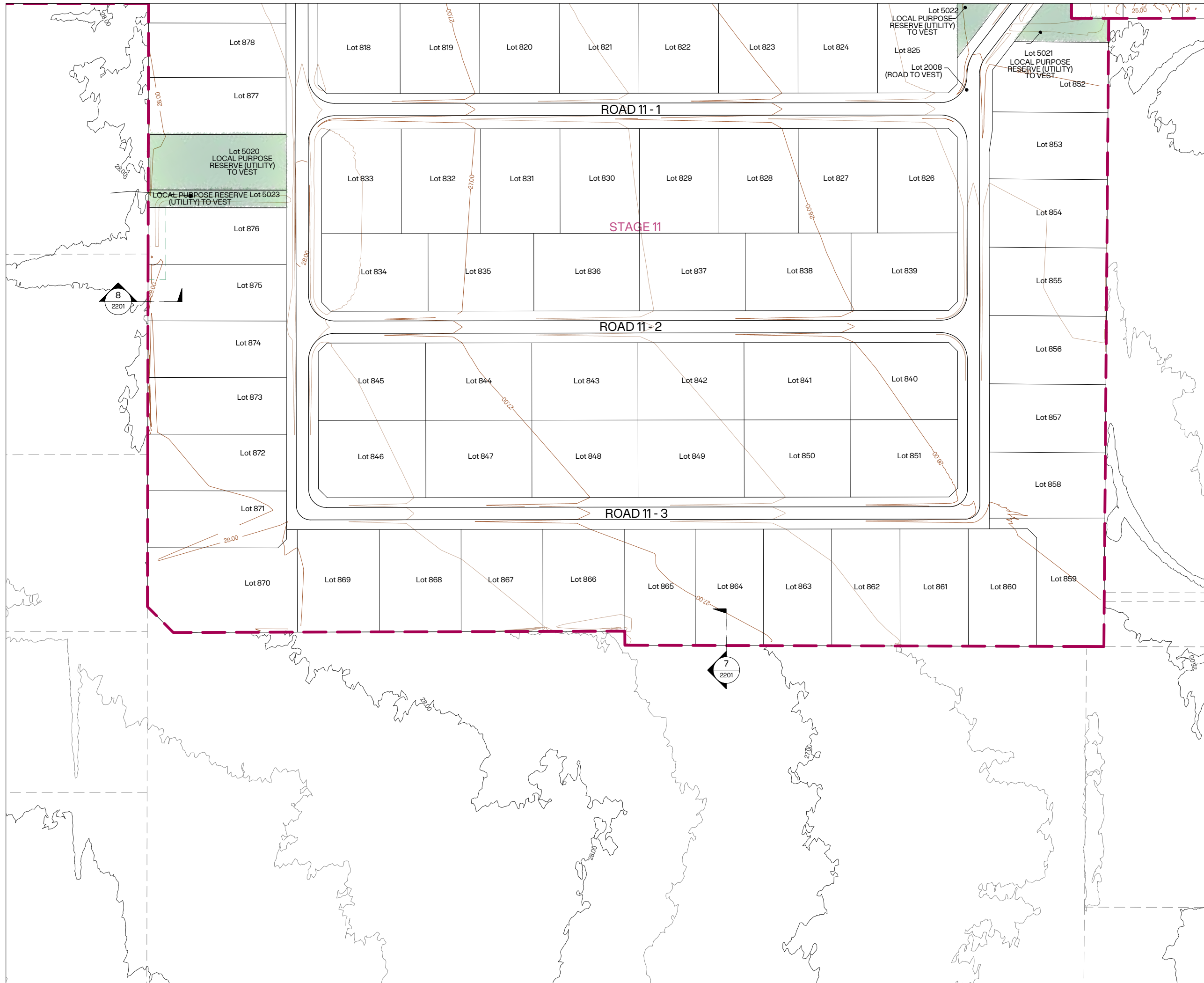


NOTES:

- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
- HEIGHTS IN TERMS OF NZVD2016.
- TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
- ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
- ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- 15m LANDSCAPING STRIP SETBACK
- DRAIN SETBACK
- EX CONTOURS AT 0.5m INTERVALS
- PR CONTOURS AT 0.5m INTERVALS
- RESERVE / WALKWAYS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**PROPOSED CONTOURS PLAN
 SHEET 7 OF 7**

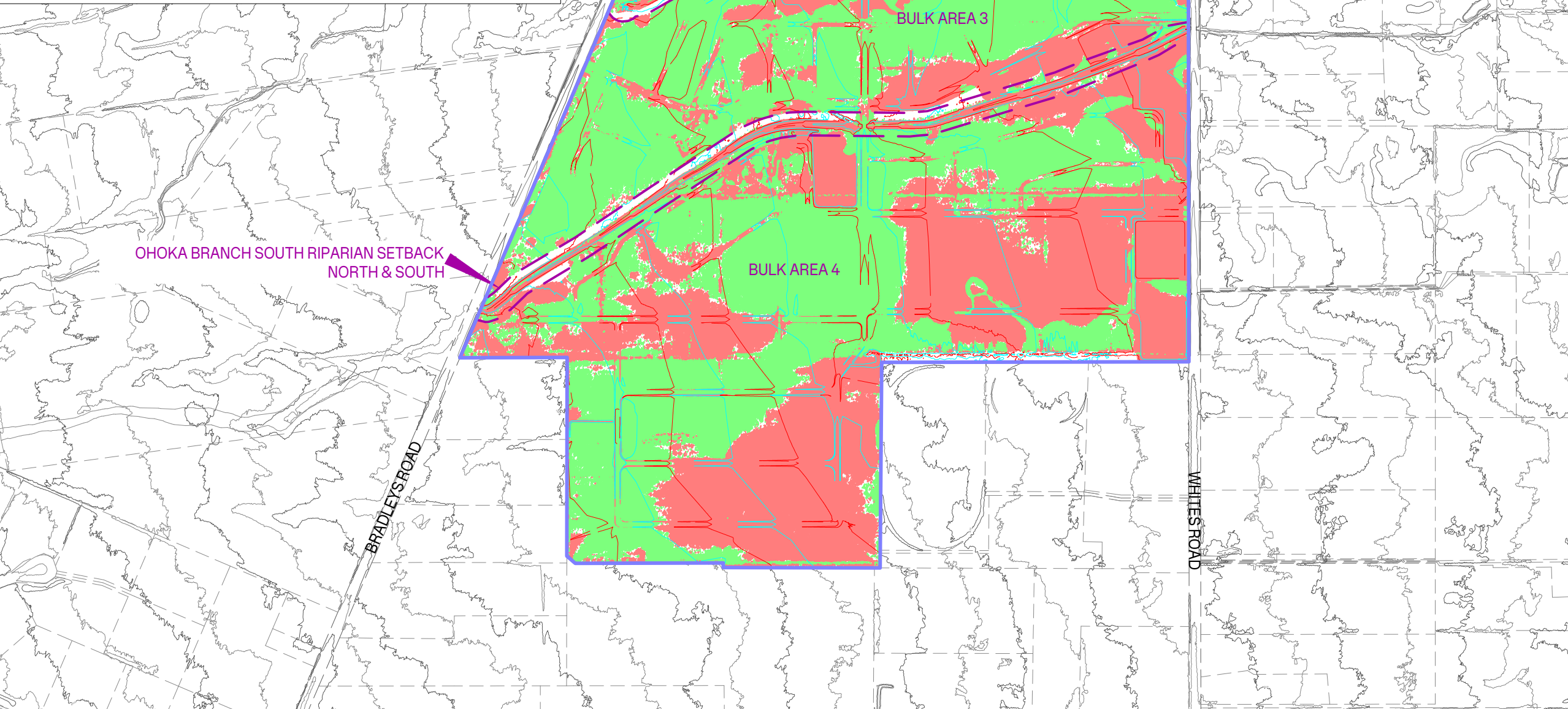
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|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2057 | | |

0 20 50 100 SCALE (m) 1:1000 @A1
 1:2000 @A3

| CUT AND FILL TOTALS | | | | | | |
|---|------------------------|-----------------------|------------------------|---------------------------|-------------------|---------------------|
| EARTHWORKS PORTION | AREA (m ²) | CUT (m ³) | FILL (m ³) | BALANCE (m ³) | MAX CUT DEPTH (m) | MAX FILL HEIGHT (m) |
| BULK AREA 1 | 223,398 | -10,392 | 56,150 | 45,758 | -1.0 | 1.0 |
| BULK AREA 2 | 277,415 | -14,620 | 44,852 | 30,232 | -0.8 | 1.5 |
| BULK AREA 3 | 273,967 | -11,163 | 43,723 | 32,560 | -1.0 | 1.8 |
| BULK AREA 4 | 618,416 | -67,021 | 44,905 | -22,116 | -3.5 | 2.0 |
| OHOKA BRANCH SOUTH RIPARIAN SETBACK NORTH | 27,889 | -4,497 | 428 | -4,069 | -2.5 | 2.0 |
| OHOKA BRANCH SOUTH RIPARIAN SETBACK SOUTH | 23,940 | -5,472 | 1,023 | -4,449 | -3.0 | 1.5 |
| SPRING CHANNEL RIPARIAN SETBACK NORTH | 21,243 | -2,544 | 1,324 | -1,220 | -1.5 | 2 |
| SPRING CHANNEL RIPARIAN SETBACK SOUTH | 19,541 | -2,434 | 1,125 | -1,309 | -1.5 | 1.5 |
| OHOKA TRIBUTARY RIPARIAN SETBACK NORTH | 25,837 | -2,864 | 938 | -1,926 | -1.5 | 2.0 |
| OHOKA TRIBUTARY RIPARIAN SETBACK SOUTH | 20,066 | -2,174 | 2164 | -10 | -1.0 | 1.5 |
| GROUNDWATER SEEP RIPARIAN SETBACK | 5,364 | -685 | 799 | 114 | 1.0 | 1.5 |
| TOTAL | 1,537,076 | -123,866 | 197,431 | 73,565 | | |

NOTE:
CUT AND FILL VOLUMES IN THE TABLE ABOVE HAVE BEEN CALCULATED BASED ON EXISTING SURFACE TO FINISHED SURFACE.



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL LIDAR DATA DATED JULY 2023.
 - HEIGHTS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM 2016.
 - ALL EARTHWORKS VOLUMES ARE MEASURED FROM EXISTING SURFACE TO FINISHED SURFACE.
 - TOPSOIL PLACED OVER ENGINEERED FILL AT 0.25m UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - EXISTING SERVICES (HV/LV POWER, TELECOM, STORMWATER AND WATER) MUST BE LOCATED AND PROTECTED BY CONTRACTOR.
 - ENGINEERED FILL MUST BE PLACED AND COMPACTED IN 0.2m LIFTS UNLESS OTHERWISE INSTRUCTED BY ENGINEER.
 - ENGINEERED FILL IN EXCESS OF 0.3m TO BE TESTED BY CONTRACTOR WITH RESULTS TO BE CERTIFIED BY ENGINEER.
 - TEMPORARY CUTS FOR TRENCHES AND UTILITIES WILL BE MADE TO A DEPTH OF UP TO 3.5m FROM THE FINISHED SURFACE.
 - STORMWATER MANAGEMENT AREAS WILL INCLUDE AN APPROXIMATE UNDERCUT OF 500mm BELOW FINISHED SURFACE DURING CONSTRUCTION.
 - UNDERCUTS WILL BE REQUIRED FOR BOX CULVERT INSTALLATIONS.
 - REFER TO SITE MANAGEMENT PLAN BY INOVO PROJECTS LIMITED AND TO DEWATERING REPORT BY PATEL DELAMORE PARTNERS FOR FURTHER DETAILS ON DEWATERING METHODOLOGY AND EFFECTS.
 - SUBGRADE LEVELS WILL BE DETERMINED AT DETAILED DESIGN STAGE.

LEGEND:

| | |
|--|-------------------------------|
| | EARTHWORKS BOUNDARY |
| | SITE BOUNDARY |
| | ABUTTAL BOUNDARY |
| | EX CONTOURS AT 0.5m INTERVALS |
| | PR CONTOURS AT 0.5m INTERVALS |
| | BULK EARTHWORKS - FILL |
| | BULK EARTHWORKS - CUT |

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | DRAFT ISSUE | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **PROPOSED EARTHWORKS
CUT AND FILL**

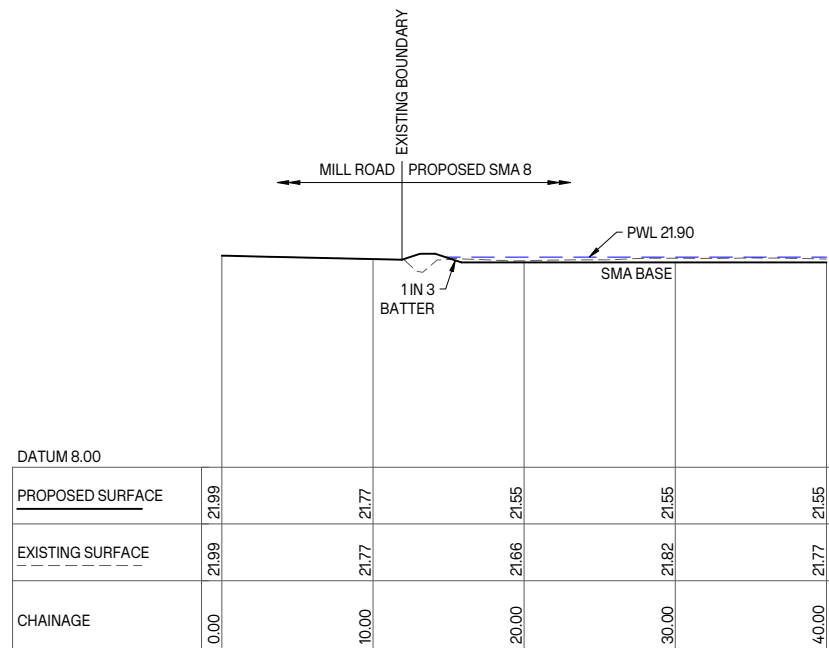
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | PE | 05/06/2026 |
| DRAWN | PE | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-2100 | | |

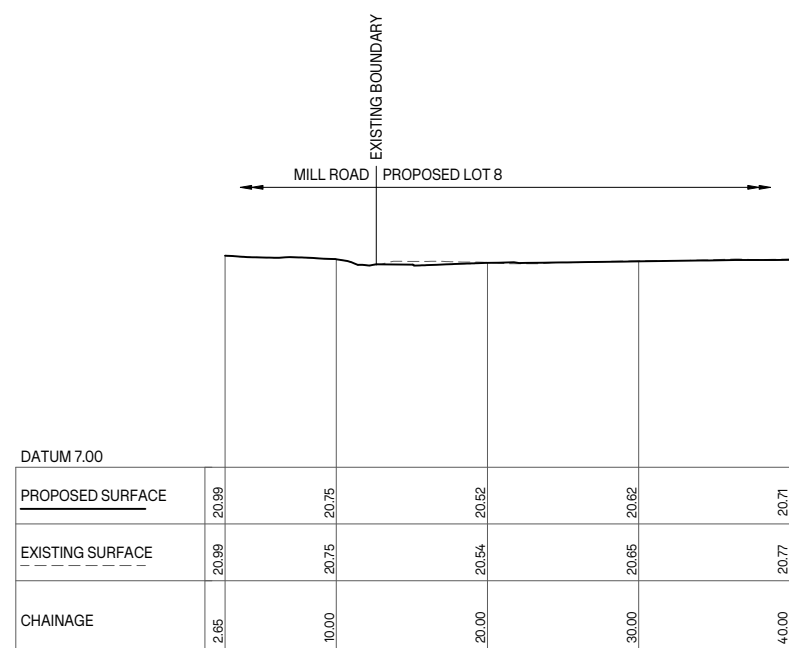


NOTES:

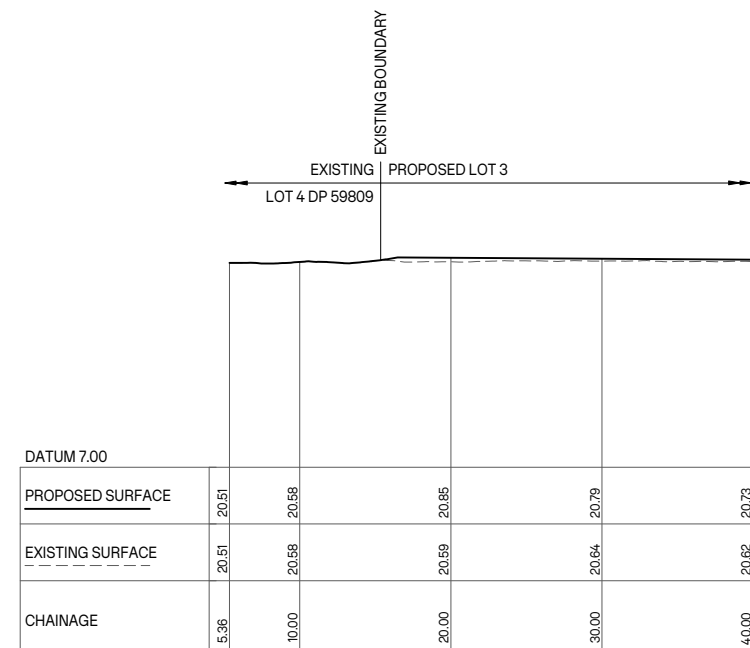
1. EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
2. HEIGHTS IN TERMS OF NZVD2016.
3. LANDSCAPE AS PER DCM SPECIFICATION.



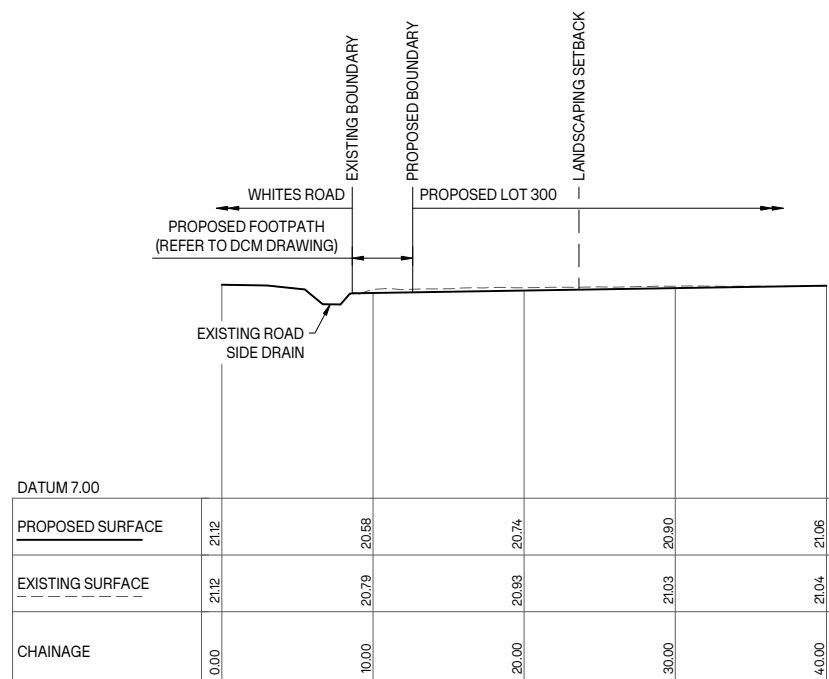
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SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



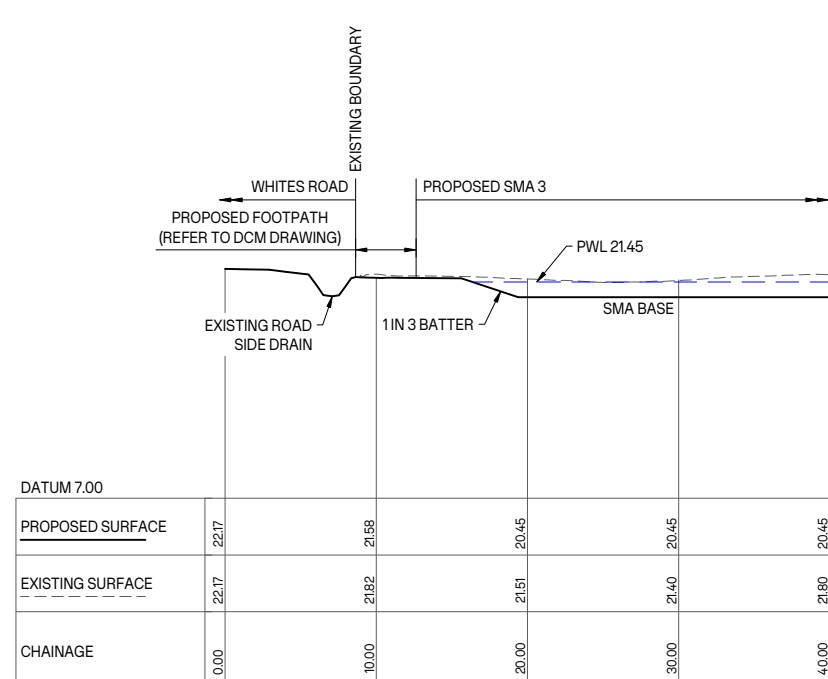
LONGITUDINAL SECTION - SECTION-2
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



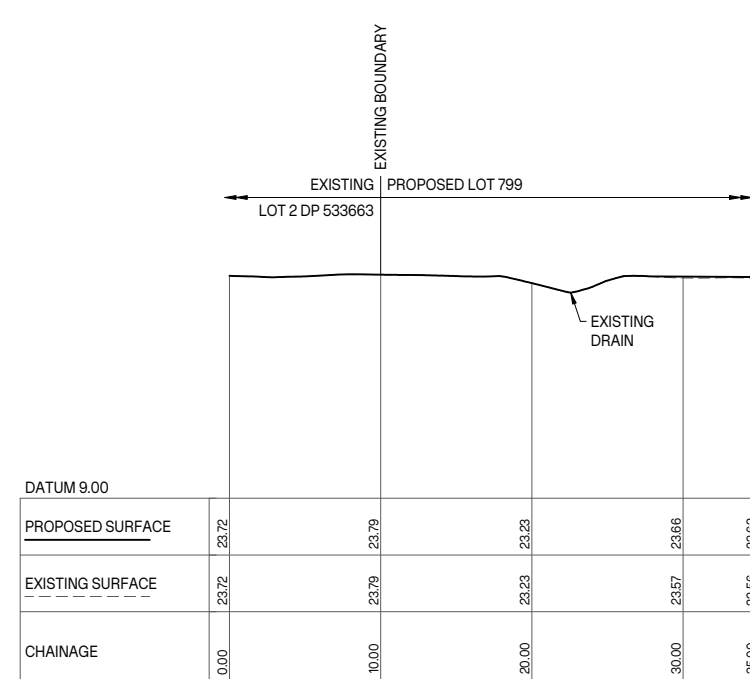
LONGITUDINAL SECTION - SECTION-3
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-4
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-5
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-6
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

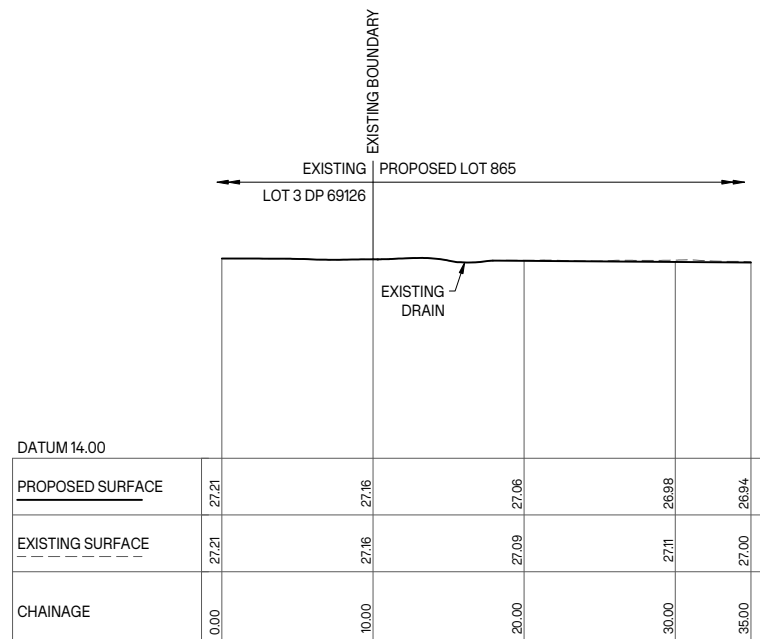
DESCRIPTION: **ADJOINING PROPERTIES
CROSS SECTION PLAN
SHEET 1 OF 2**

| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | SS | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-2200 | |

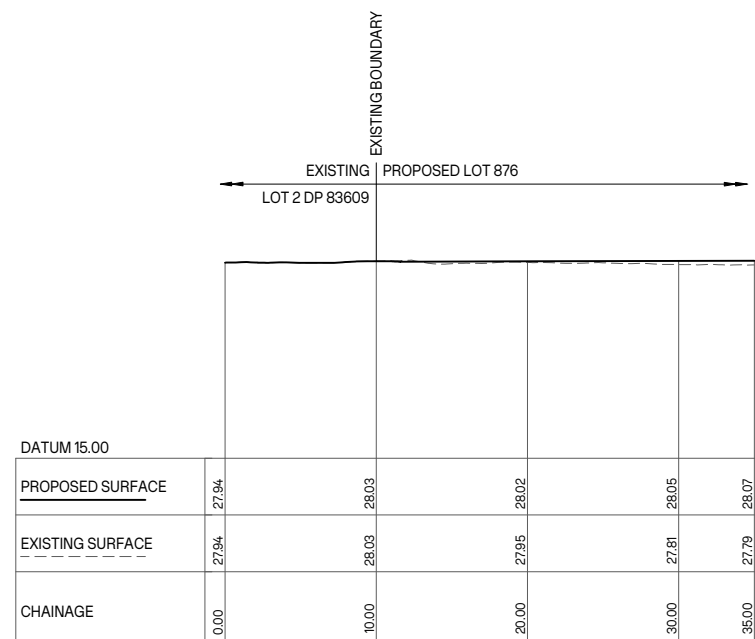


NOTES:

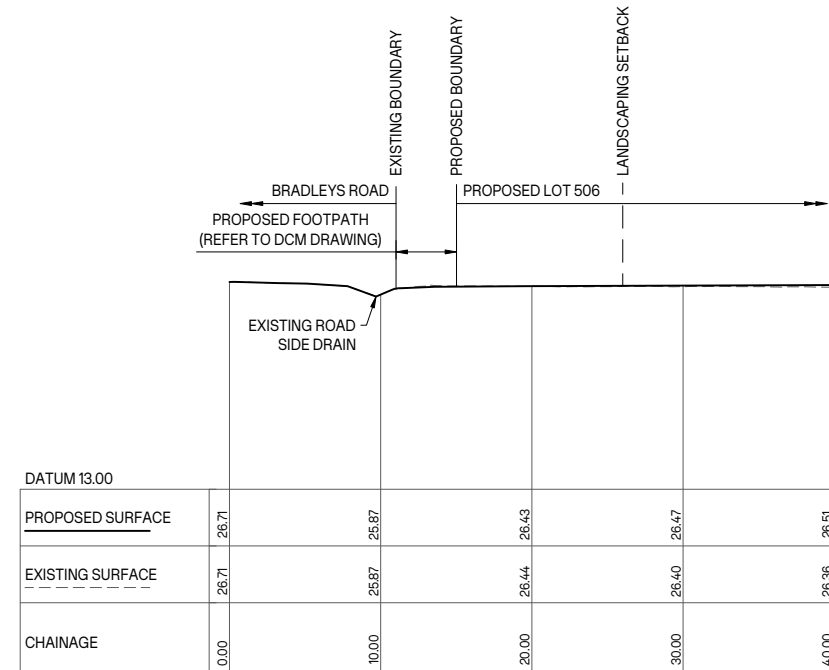
- EXISTING GROUND SURFACE CREATED FROM WDC LIDAR DATA.
- HEIGHTS IN TERMS OF NZVD2016.
- LANDSCAPE AS PER DCM SPECIFICATION.



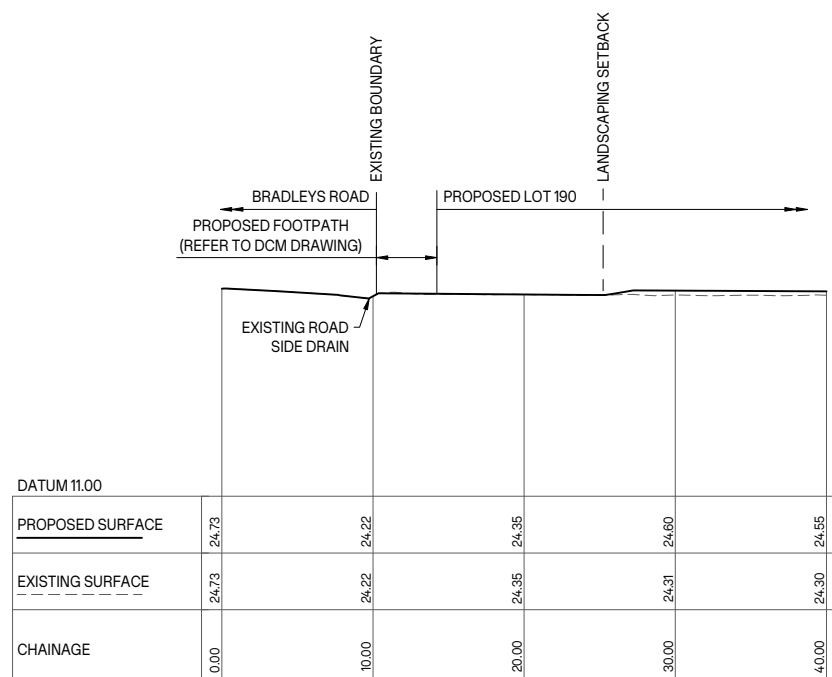
LONGITUDINAL SECTION - SECTION-7
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



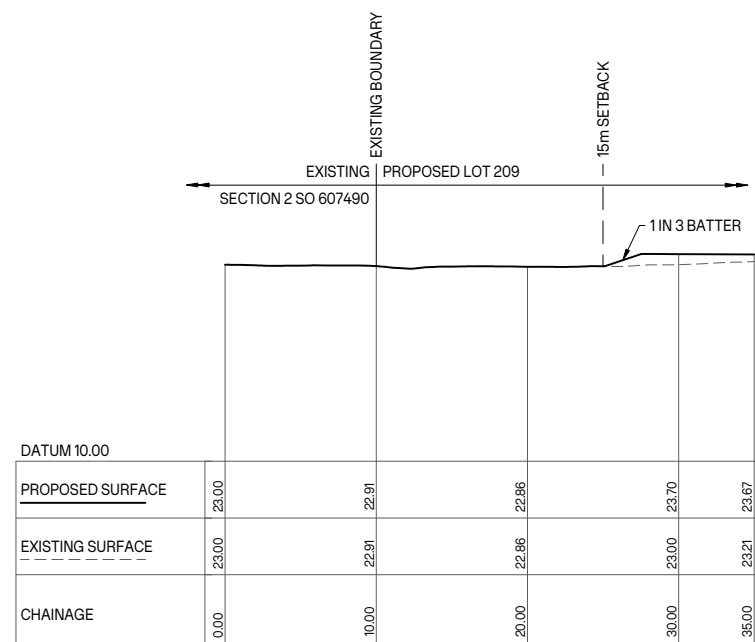
LONGITUDINAL SECTION - SECTION-8
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-9
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-10
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3



LONGITUDINAL SECTION - SECTION-11
SCALE H 1:250 V 1:250 @A1
H 1:500 V 1:500 @A3

| REVISION | DESCRIPTION | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

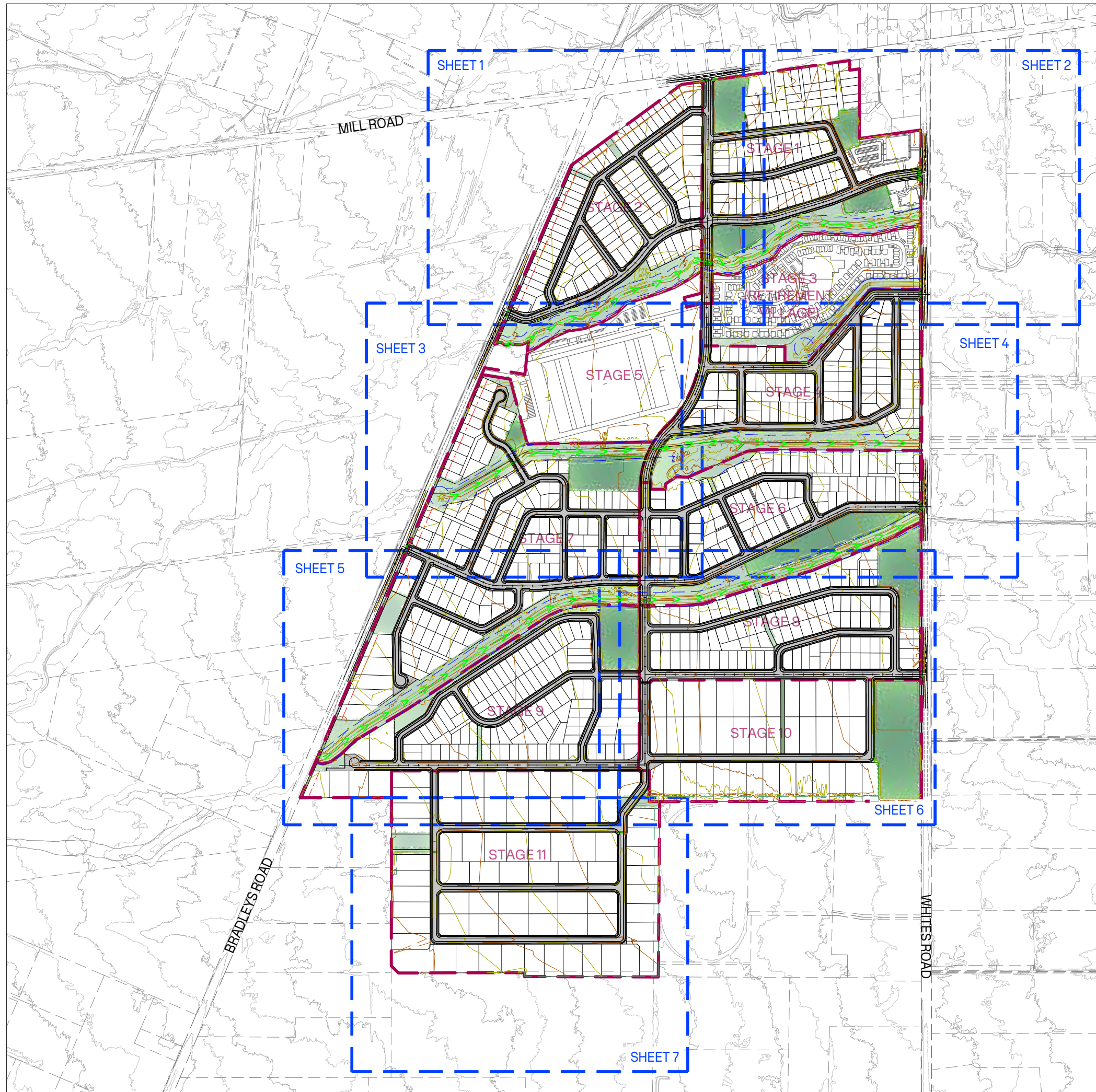
PROJECT:

**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:

**ADJOINING PROPERTIES
CROSS SECTION PLAN
SHEET 2 OF 2**

| | | |
|----------|-------------------------|------------|
| SURVEYED | - | - |
| DESIGNED | SS | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-2201 | |



- NOTES:**
- EXISTING GROUND SURFACE DATA CREATED FROM WAIMAKARIRI DISTRICT LIDAR DATA.
 - HEIGHTS ARE IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - PARKING BAYS AND OTHER ROADING DESIGN ELEMENTS TO BE DETERMINED AT DETAILED DESIGN PHASE.
 - REFER TO PLANS PREPARED BY DCM URBAN FOR ALL DETAILS REGARDING LANDSCAPING WORKS.
 - REFER TO PLANS AND REPORTS BY NOVO GROUP FOR PRELIMINARY DESIGN OF EXTERNAL ROAD INTERSECTIONS. SPECIFIC INTERSECTION DESIGNS TO BE PREPARED AT DETAILED DESIGN PHASE.
 - ALL WORKS SHALL COMPLY WITH THE REQUIREMENTS OF THE WAIMAKARIRI ENGINEERING CODE OF PRACTICE (ECOP) UNLESS OTHERWISE SPECIFIED.
 - BENKELMAN BEAM TESTING TO COMPLY WITH WAIMAKARIRI DISTRICT COUNCIL ECOP SECTION 3.11.3 - RESULTS ARE TO BE SUBMITTED TO THE COUNCIL AS PER THE REQUIREMENTS OF ECOP 2.10.4. AND 3.11
 - KERB CUTDOWN REQUIRED FOR ALL PEDESTRIAN ROAD CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 213.
 - KERB CUTDOWN REQUIRED FOR ALL RESIDENTIAL VEHICLE CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 211 A-D, 212 A-C & 221A (AS RELEVANT) & 219, 616.
 - SOW GRASS ON BERMS IN ACCORDANCE WITH ECOP.
 - BERMS AND TREE PITS TO BE CONSTRUCTED AS PER ECOP PART 10.
 - CARRIAGEWAY CROSSFALLS TO COMPLY WITH ECOP SECTION 8.7.4.
 - MOUNTABLE KERB AS PER WDC ECOP 203A-B.
 - PEDESTRIAN CUT-DOWNS AS PER ECOP 213.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **ROADING OVERALL PLAN**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3000 | | |





NOTES:
 1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

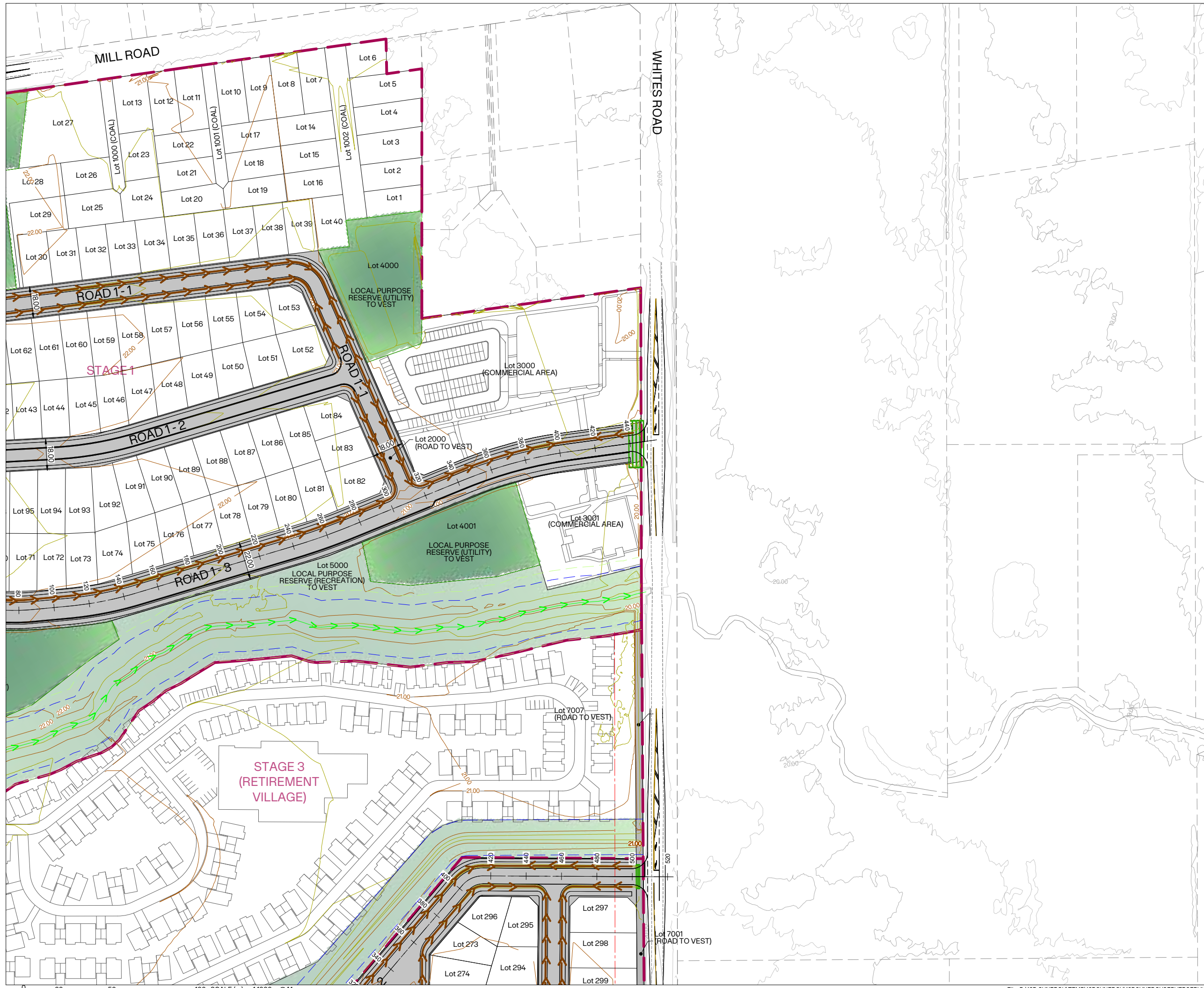
PROJECT: **MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION: **ROADING PLAN
 SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3001 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **ROADING PLAN
SHEET 2 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3002 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - + CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **ROADING PLAN
SHEET 3 OF 7**

| | | |
|----------|------------|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |

| | | |
|---------|------------------|---|
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-3003 | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
 1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**ROADING PLAN
 SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3004 | | |



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
 1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION: **ROADING PLAN
 SHEET 5 OF 7**

| | | |
|----------|------------|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |

STATUS: **FOR CONSENT**

PROJECT: **16013**

DWG NO: **16013-00-RC-3005**

REVISION: **B**





NOTES:
 1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION: **ROADING PLAN
 SHEET 6 OF 7**

| | | |
|----------|-------------|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |
| STATUS | FOR CONSENT | REVISION |

DWG NO: **16013-00-RC-3006**

PROJECT: **16013**

B





NOTES:
 1. REFER TO DRG 16013-00-RC-3000 FOR GENERAL NOTES.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR KERBLINE
 - PR ROAD RESERVE
 - CHAINAGE
 - SWALE
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - PR STORMWATER CULVERT
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - EX CONTOURS AT 0.5m INTERVALS
 - PR CONTOURS AT 0.5m INTERVALS



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**ROADING PLAN
 SHEET 7 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3007 | | |

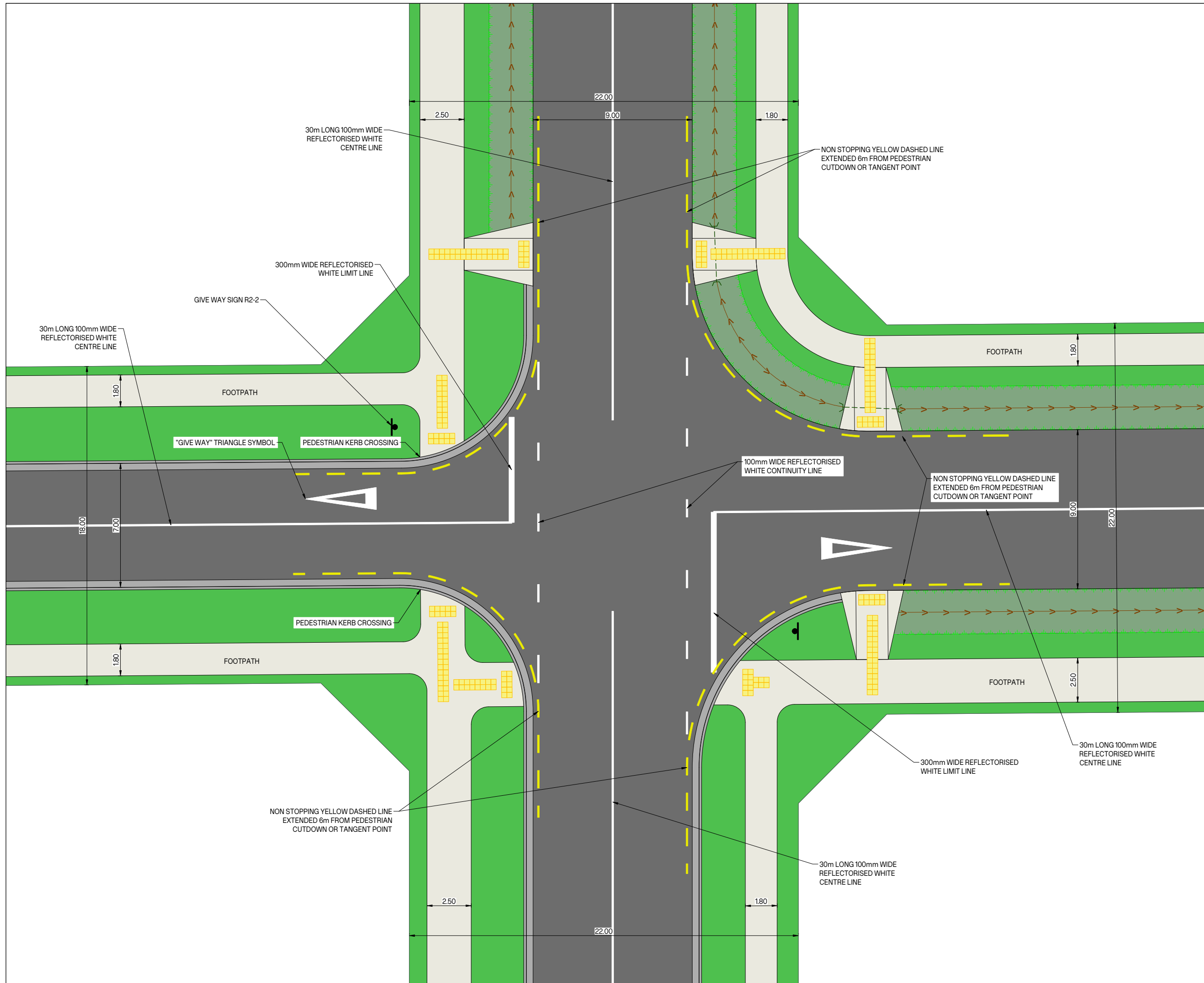


NOTES:

1. ALL WORKS SHALL COMPLY WITH THE WDC ENGINEERING CODE OF PRACTICE (ECOP) UNLESS OTHERWISE SPECIFIED.
2. ASPHALTIC CONCRETE SPECIFIED IN ACCORDANCE WITH NZTA M/10:2020 SPECIFICATION.
3. BENKELMAN BEAM TESTING TO COMPLY WITH WDC ECOP SECTION 3.11.3 RESULTS ARE TO BE SUBMITTED TO THE WDC AS PER THE REQUIREMENTS OF ECOP 2.10.4 AND 3.11.
4. METAL COURSE DESIGN DEPTHS TO BE CONFIRMED BY TESTING SUBGRADE PRIOR TO PLACING SUB-BASE MATERIAL AND APPROVAL BY THE ENGINEER.
5. KERB CUTDOWN REQUIRED FOR ALL PEDESTRIAN ROAD CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 213.
6. KERB CUTDOWN REQUIRED FOR ALL RESIDENTIAL VEHICLE CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH WDC ECOP 211 A-D, 212 A-C & 221 A (AS RELEVANT) & 219, 616.
7. SOW GRASS ON BERMS IN ACCORDANCE WITH WDC ECOP.
8. BERMS AND TREE PITS TO BE CONSTRUCTED AS PER WDC ECOP PART 10.
9. CARRIAGEWAY CROSSFALLS TO COMPLY WITH WDC ECOP SECTION 8.7.4.
10. MOUNTABLE KERB AS PER WDC ECOP 203A-B.
11. PEDESTRIAN CUT DOWN AS PER WDC ECOP 213.

LEGEND:

- CARRIAGEWAY
- KERB & CHANNEL
- ROAD SWALE
- BERM
- FOOTPATH
- SWALE TOP
- WATER ALIGNMENT
- TACTILE PAVERS
- PRAM CROSSINGS
- ROAD SIGNS
- ROAD SWALE CULVERT



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **TYPICAL INTERSECTION DETAIL**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | KC | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|-----------|----------|
| SCALE | 1:100 @A1 | 1:200 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3100 | | |



- NOTES:**
1. ALL WORKS SHALL COMPLY WITH THE WAIMAKARIRI DISTRICT COUNCIL ENGINEERING CODE OF PRACTICE.
 2. ALL CUT & FILL DEPTHS ARE BASED ON MEASURE OF EXISTING SURFACE TO PROPOSED SURFACE.
 3. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE ROADING LAYOUT PLAN ON DRAWING SHEETS 3000-3007.

VERTICAL ALIGNMENT
DATUM 10.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| -11.03 | | 22.29 | |
| 0.00 | | 21.05 | 1.18 |
| 3.76 | | 22.17 | 0.00 |
| 20.00 | | 22.40 | -0.17 |
| 40.00 | | 22.02 | 0.27 |
| 60.00 | | 22.08 | 0.28 |
| 61.96 | | 22.09 | 0.27 |
| 80.00 | | 22.14 | 0.26 |
| 100.00 | | 22.03 | 0.42 |
| 120.00 | | 22.25 | 0.26 |
| 140.00 | | 22.23 | 0.32 |
| 160.00 | | 22.32 | 0.28 |
| 180.00 | | 22.37 | 0.28 |
| 200.00 | | 22.43 | 0.27 |
| 220.00 | | 22.53 | 0.23 |
| 240.00 | | 22.54 | 0.27 |
| 260.00 | | 22.54 | 0.31 |
| 280.00 | | 22.57 | 0.33 |
| 300.00 | | 22.61 | 0.35 |
| 311.21 | | 22.65 | 0.33 |
| 320.00 | | 22.66 | 0.49 |
| 340.00 | | 22.68 | 0.86 |
| 350.56 | | 22.65 | 1.09 |
| 360.00 | | 22.81 | 1.04 |
| 360.56 | | 22.81 | 1.04 |
| 370.73 | | 22.65 | 1.25 |
| 370.91 | | 22.65 | 1.25 |
| 380.00 | | 22.65 | 1.25 |
| 380.73 | | 22.68 | 1.14 |
| 400.00 | | 22.71 | 0.92 |
| 420.00 | | 22.66 | 0.59 |
| 432.02 | | 22.73 | 0.29 |
| 440.00 | | 22.71 | 0.30 |
| 460.00 | | 22.73 | 0.23 |
| 480.00 | | 22.78 | 0.13 |
| 500.00 | | 22.80 | 0.06 |
| 520.00 | | 22.88 | -0.07 |
| 540.00 | | 22.62 | 0.14 |
| 542.89 | | 22.57 | 0.17 |
| 560.00 | | 22.90 | -0.18 |
| 568.97 | | 22.95 | -0.24 |

LONGITUDINAL SECTION - ROAD 2-1
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 12.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 558.97 | | 22.89 | -0.17 |
| 560.00 | | 22.90 | -0.16 |
| 580.00 | | 22.98 | -0.28 |
| 580.52 | | 22.98 | -0.28 |
| 600.00 | | 22.98 | -0.27 |
| 617.89 | | 22.99 | -0.24 |
| 618.06 | | 22.99 | -0.24 |
| 620.00 | | 22.99 | -0.24 |
| 640.00 | | 23.08 | -0.27 |
| 660.00 | | 23.10 | -0.23 |
| 680.00 | | 23.17 | -0.25 |
| 692.06 | | 23.23 | -0.29 |
| 692.55 | | 23.24 | -0.27 |
| 700.00 | | 23.26 | -0.23 |
| 712.55 | | 23.31 | -0.05 |
| 720.00 | | 23.36 | 0.09 |
| 740.00 | | 23.47 | 0.51 |
| 751.60 | | 23.59 | 0.68 |
| 760.00 | | 23.65 | 0.63 |
| 761.00 | | 23.67 | 0.65 |
| 775.81 | | 23.60 | 0.85 |
| 776.93 | | 23.60 | 0.85 |
| 783.91 | | 23.60 | 0.77 |
| 800.00 | | 23.73 | 0.35 |
| 817.57 | | 23.67 | 0.06 |
| 820.00 | | 23.63 | 0.05 |
| 833.77 | | 23.41 | 0.15 |
| 837.57 | | 23.43 | 0.14 |
| 842.31 | | 23.43 | 0.18 |
| 860.00 | | 23.63 | 0.05 |
| 880.00 | | 24.33 | -0.56 |
| 900.00 | | 23.92 | -0.07 |
| 920.00 | | 23.89 | 0.04 |
| 940.00 | | 23.86 | 0.14 |
| 942.31 | | 23.89 | 0.11 |
| 960.00 | | 23.99 | 0.08 |
| 980.00 | | 24.05 | 0.08 |
| 1000.00 | | 24.08 | 0.13 |
| 1020.00 | | 24.12 | 0.16 |
| 1040.00 | | 24.32 | 0.03 |
| 1060.00 | | 24.42 | -0.00 |
| 1061.23 | | 24.43 | -0.00 |

LONGITUDINAL SECTION - ROAD 2-1
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 12.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 0.00 | 24.42 | 24.43 | -0.00 |
| 20.00 | 24.47 | 24.21 | 0.27 |
| 40.00 | 24.52 | 23.78 | 0.75 |
| 60.00 | 24.57 | 24.00 | 0.57 |
| 80.00 | 24.62 | 24.48 | 0.14 |
| 100.00 | 24.67 | 24.51 | 0.16 |
| 120.00 | 24.72 | 24.50 | 0.22 |
| 140.00 | 24.77 | 24.51 | 0.26 |
| 160.00 | 24.82 | 24.52 | 0.30 |
| 176.41 | 24.86 | 24.47 | 0.39 |

LONGITUDINAL SECTION - ROAD 9-1A
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 14.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 0.00 | 24.86 | 24.47 | 0.39 |
| 20.00 | 24.90 | 24.53 | 0.37 |
| 40.00 | 24.94 | 24.59 | 0.35 |
| 60.00 | 24.98 | 24.58 | 0.40 |
| 80.00 | 25.02 | 24.61 | 0.41 |
| 100.00 | 25.06 | 24.79 | 0.27 |
| 120.00 | 25.10 | 24.74 | 0.36 |
| 140.00 | 25.14 | 24.72 | 0.42 |
| 160.00 | 25.18 | 24.78 | 0.40 |
| 180.00 | 25.22 | 24.93 | 0.29 |
| 185.37 | 25.23 | 24.97 | 0.26 |

LONGITUDINAL SECTION - ROAD 9-1B
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

| | | | |
|--|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |
| PROJECT: MILL ROAD, OHOKA WAIMAKARIRI CANTERBURY | | | |
| DESCRIPTION: ROADING LONG SECTIONS PLAN SHEET 1 OF 4 | | | |
| SURVEYED | - | | |
| DESIGNED | PE | | 05/06/2026 |
| DRAWN | PE | | 05/06/2026 |
| CHECKED | SS | | 05/06/2026 |
| APPROVED | MP | | 09/06/2026 |
| SCALE | AS SHOWN | | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3200 | | |



- NOTES:**
1. ALL WORKS SHALL COMPLY WITH THE WAIMAKARIRI DISTRICT COUNCIL ENGINEERING CODE OF PRACTICE.
 2. ALL CUT & FILL DEPTHS ARE BASED ON MEASURE OF EXISTING SURFACE TO PROPOSED SURFACE.
 3. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE ROADING LAYOUT PLAN ON DRAWING SHEETS 3000 - 3007.

VERTICAL ALIGNMENT
DATUM 12.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 0.00 | 25.44 | 25.44 | 0.00 |
| 4.55 | 25.30 | 25.29 | 0.01 |
| 9.55 | 24.88 | 24.88 | 0.00 |
| 20.00 | 24.98 | 24.98 | 0.00 |
| 35.00 | 24.84 | 24.88 | -0.04 |
| 40.00 | 24.80 | 24.85 | -0.05 |
| 60.00 | 24.73 | 24.73 | 0.00 |
| 80.00 | 24.55 | 24.59 | -0.04 |
| 100.00 | 24.42 | 24.50 | -0.08 |
| 120.00 | 24.29 | 24.30 | -0.01 |
| 140.00 | 24.16 | 24.38 | -0.22 |
| 160.00 | 24.03 | 24.22 | -0.19 |
| 161.13 | 24.03 | 24.12 | -0.09 |
| 180.00 | 23.95 | 24.19 | -0.24 |
| 200.00 | 23.86 | 23.95 | -0.09 |
| 220.00 | 23.77 | 23.93 | -0.16 |
| 240.00 | 23.68 | 23.70 | -0.02 |
| 260.00 | 23.60 | 23.69 | -0.09 |
| 280.00 | 23.51 | 23.65 | -0.14 |
| 300.00 | 23.42 | 23.54 | -0.12 |
| 320.00 | 23.33 | 23.69 | -0.36 |
| 326.65 | 23.31 | 23.49 | -0.19 |
| 340.00 | 23.27 | 23.52 | -0.25 |
| 360.00 | 23.21 | 23.24 | -0.03 |
| 380.00 | 23.16 | 23.23 | -0.07 |
| 400.00 | 23.10 | 23.03 | 0.07 |
| 420.00 | 23.05 | 22.85 | 0.20 |
| 440.00 | 22.99 | 22.76 | 0.23 |
| 460.00 | 22.94 | 22.67 | 0.26 |
| 475.82 | 22.82 | 22.62 | 0.20 |

LONGITUDINAL SECTION - ROAD 2-3
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 9.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 0.00 | 22.81 | 22.81 | 0.00 |
| 20.00 | 22.72 | 22.50 | 0.22 |
| 40.00 | 22.52 | 22.36 | 0.16 |
| 41.41 | 22.51 | 22.33 | 0.18 |
| 60.00 | 22.32 | 22.19 | 0.13 |
| 80.00 | 22.12 | 22.08 | 0.04 |
| 97.73 | 21.95 | 21.92 | 0.03 |
| 100.00 | 21.94 | 21.93 | 0.01 |
| 120.00 | 21.85 | 21.79 | 0.06 |
| 140.00 | 21.76 | 21.63 | 0.13 |
| 160.00 | 21.67 | 21.64 | 0.03 |
| 180.00 | 21.59 | 21.59 | 0.00 |
| 200.00 | 21.50 | 21.53 | -0.03 |
| 213.30 | 21.44 | 21.44 | 0.00 |
| 220.00 | 21.41 | 21.40 | 0.01 |
| 240.00 | 21.33 | 21.33 | 0.00 |
| 260.00 | 21.24 | 21.32 | -0.08 |
| 280.00 | 21.15 | 21.37 | -0.22 |
| 300.00 | 21.06 | 21.44 | -0.38 |
| 311.27 | 21.01 | 21.16 | -0.15 |
| 320.00 | 21.04 | 21.26 | -0.22 |
| 340.00 | 21.10 | 21.03 | 0.07 |
| 345.20 | 21.12 | 21.10 | 0.02 |
| 360.00 | 20.97 | 20.92 | 0.05 |
| 380.00 | 20.77 | 20.77 | 0.00 |
| 400.00 | 20.57 | 20.69 | -0.12 |
| 409.40 | 20.47 | 20.69 | -0.22 |
| 420.00 | 20.51 | 20.43 | 0.08 |
| 440.00 | 20.57 | 20.28 | 0.29 |
| 442.44 | 20.57 | 20.35 | 0.22 |
| 451.98 | 20.47 | 20.47 | 0.00 |
| 453.16 | 20.43 | 20.43 | 0.00 |

LONGITUDINAL SECTION - ROAD 1-3
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 9.00

| CHAINAGE | DESIGN SURFACE LEVELS | EXISTING SURFACE LEVELS | CUT - / FILL + |
|----------|-----------------------|-------------------------|----------------|
| 0.00 | 22.70 | 22.70 | 0.00 |
| 20.00 | 22.55 | 22.86 | -0.30 |
| 40.00 | 22.40 | 22.69 | -0.29 |
| 60.00 | 22.25 | 22.53 | -0.28 |
| 80.00 | 22.09 | 22.39 | -0.30 |
| 81.79 | 22.08 | 22.35 | -0.27 |
| 100.00 | 22.00 | 22.05 | -0.05 |
| 120.00 | 21.91 | 21.91 | 0.00 |
| 140.00 | 21.83 | 21.80 | 0.03 |
| 160.00 | 21.74 | 21.87 | -0.12 |
| 180.00 | 21.66 | 21.92 | -0.26 |
| 200.00 | 21.57 | 21.78 | -0.21 |
| 220.00 | 21.48 | 21.54 | -0.05 |
| 240.00 | 21.40 | 21.27 | 0.12 |
| 260.00 | 21.31 | 20.99 | 0.32 |
| 280.00 | 21.22 | 21.27 | -0.05 |
| 300.00 | 21.14 | 21.20 | -0.06 |
| 320.00 | 21.05 | 21.10 | -0.05 |
| 340.00 | 20.97 | 20.89 | 0.08 |
| 360.00 | 20.88 | 20.96 | -0.08 |
| 380.00 | 20.79 | 20.58 | 0.21 |
| 400.00 | 20.71 | 20.94 | -0.23 |
| 420.00 | 20.62 | 20.84 | -0.22 |
| 423.17 | 20.58 | 20.81 | -0.23 |
| 440.00 | 20.61 | 20.74 | -0.13 |
| 460.00 | 20.67 | 20.68 | -0.02 |
| 480.00 | 20.72 | 20.58 | 0.14 |
| 500.00 | 20.78 | 20.39 | 0.39 |
| 511.00 | 20.81 | 20.81 | 0.00 |
| 520.00 | 20.83 | 20.83 | 0.00 |
| 523.24 | 20.83 | 20.83 | 0.00 |

LONGITUDINAL SECTION - ROAD 4-2
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

| | | | |
|--|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |
| PROJECT: MILL ROAD, OHOKA WAIMAKARIRI CANTERBURY | | | |
| DESCRIPTION: ROADING LONG SECTIONS PLAN SHEET 2 OF 4 | | | |
| SURVEYED | - | | |
| DESIGNED | PE | | 05/06/2026 |
| DRAWN | PE | | 05/06/2026 |
| CHECKED | SS | | 05/06/2026 |
| APPROVED | MP | | 09/06/2026 |
| SCALE | AS SHOWN | | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3201 | | |



NOTES:

1. ALL WORKS SHALL COMPLY WITH THE WAIMAKARIRI DISTRICT COUNCIL ENGINEERING CODE OF PRACTICE.
2. ALL CUT & FILL DEPTHS ARE BASED ON MEASURE OF EXISTING SURFACE TO PROPOSED SURFACE.
3. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE ROADING LAYOUT PLAN ON DRAWING SHEETS 3000-3007.

VERTICAL ALIGNMENT
DATUM 13.00

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| DESIGN SURFACE LEVELS | 26.99 | 26.89 | 26.78 | 26.65 | 26.53 | 26.40 | 26.27 | 26.21 | 26.16 | 26.07 | 25.98 | 25.89 | 25.80 | 25.70 | 25.61 | 25.52 | 25.43 | 25.34 | 25.24 | 25.15 | 25.06 | 24.97 | 24.87 | 24.78 | 24.69 | 24.60 | 24.51 | 24.41 | 24.38 | |
| EXISTING SURFACE LEVELS | 26.99 | 26.89 | 26.63 | 26.59 | 26.46 | 26.42 | 26.39 | 26.26 | 26.17 | 26.13 | 26.02 | 25.92 | 25.79 | 25.72 | 25.56 | 25.33 | 24.54 | 24.82 | 24.84 | 24.97 | 25.11 | 25.06 | 24.95 | 24.87 | 24.78 | 24.69 | 24.55 | 24.49 | 24.41 | 24.33 |
| CUT - / FILL + | -0.00 | -0.00 | 0.15 | 0.07 | 0.07 | -0.02 | -0.12 | -0.05 | -0.00 | -0.06 | -0.04 | -0.04 | 0.00 | -0.01 | 0.05 | 0.19 | 0.89 | 0.52 | 0.41 | 0.18 | -0.05 | 0.01 | -0.19 | 1.29 | 0.22 | 0.04 | 0.02 | 0.02 | 0.04 | 0.04 |
| CHAINAGE | 0.00 | 20.00 | 40.00 | 60.00 | 80.00 | 100.00 | 110.75 | 120.00 | 140.00 | 160.00 | 180.00 | 200.00 | 220.00 | 240.00 | 260.00 | 280.00 | 300.00 | 320.00 | 340.00 | 360.00 | 380.00 | 400.00 | 420.00 | 440.00 | 460.00 | 480.00 | 500.00 | 507.92 | | |

LONGITUDINAL SECTION - ROAD 7-2
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 11.00

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| DESIGN SURFACE LEVELS | 24.37 | 24.09 | 23.81 | 23.53 | 23.40 | 23.35 | 23.26 | 23.17 | 23.09 | 23.03 | 22.98 | 22.93 | 22.90 | 22.88 | 22.81 | 22.74 | 22.67 | 22.60 | 22.53 | 22.46 | 22.39 | 22.32 | 22.25 | 22.18 | 22.12 | 22.05 | 21.98 | 21.91 | 21.84 | 21.77 | 21.70 | 21.63 | | |
| EXISTING SURFACE LEVELS | 24.37 | 24.23 | 24.08 | 23.97 | 23.90 | 23.73 | 23.71 | 23.60 | 23.44 | 23.39 | 23.03 | 23.08 | 23.08 | 23.02 | 22.84 | 22.82 | 22.74 | 22.64 | 22.57 | 22.50 | 22.41 | 22.29 | 22.25 | 22.22 | 21.99 | 21.98 | 21.89 | 21.84 | 21.89 | 21.70 | 21.54 | 21.33 | | |
| CUT - / FILL + | | -0.14 | -0.27 | -0.43 | -0.50 | -0.38 | -0.45 | -0.43 | -0.36 | -0.35 | -0.16 | -0.05 | -0.15 | -0.18 | -0.04 | -0.08 | -0.07 | -0.04 | -0.04 | -0.04 | 0.03 | 0.01 | -0.04 | -0.04 | 0.13 | 0.07 | 0.08 | 0.07 | -0.06 | 0.07 | 0.16 | 0.30 | | |
| CHAINAGE | 0.00 | 20.00 | 40.00 | 60.00 | 69.41 | 80.00 | 100.00 | 120.00 | 138.13 | 140.00 | 160.00 | 180.00 | 200.00 | 213.41 | 220.00 | 240.00 | 260.00 | 280.00 | 300.00 | 320.00 | 340.00 | 360.00 | 380.00 | 400.00 | 420.00 | 424.87 | 440.00 | 460.00 | 480.00 | 500.00 | 520.00 | 540.00 | 560.00 | 580.00 |

LONGITUDINAL SECTION - ROAD 6-2
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

VERTICAL ALIGNMENT
DATUM 10.00

| | | | | |
|-------------------------|--------|--------|--------|--------|
| DESIGN SURFACE LEVELS | 21.67 | 21.63 | | |
| EXISTING SURFACE LEVELS | 21.51 | 21.33 | 21.66 | 20.60 |
| CUT - / FILL + | 0.15 | 0.30 | | |
| CHAINAGE | 570.00 | 580.00 | 600.00 | 612.24 |

LONGITUDINAL SECTION - ROAD 6-2
HORIZ 1:1000 VERT 1:200
HORIZ 1:2000 VERT 1:400 @A3

| | | | |
|--|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |
| PROJECT: MILL ROAD, OHOKA WAIMAKARIRI CANTERBURY | | | |
| DESCRIPTION: ROADING LONG SECTIONS PLAN SHEET 3 OF 4 | | | |
| SURVEYED | - | | - |
| DESIGNED | PE | | 05/06/2026 |
| DRAWN | PE | | 05/06/2026 |
| CHECKED | SS | | 05/06/2026 |
| APPROVED | MP | | 09/06/2026 |
| SCALE | AS SHOWN | | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3202 | | |



- NOTES:**
1. ALL WORKS SHALL COMPLY WITH THE WAIMAKARIRI DISTRICT COUNCIL ENGINEERING CODE OF PRACTICE.
 2. ALL CUT & FILL DEPTHS ARE BASED ON MEASURE OF EXISTING SURFACE TO PROPOSED SURFACE.
 3. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE ROADING LAYOUT PLAN ON DRAWING SHEETS 3000-3007.

| VERTICAL ALIGNMENT | | -1.16% | | | | | | | | | | | | | | | | -0.47% | | | | | | | | | | | | | | | | -0.34% | | | | | | | | | | | | | | | | -0.68% | | | | | | | | | | | | | | | | 0.54% | | | | | | | | | | | | | | | | 1.64% | | | | | | | | | | | | | | | |
|-------------------------|-------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DATUM 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN SURFACE LEVELS | 24.84 | 24.61 | 24.38 | 24.26 | 24.22 | 24.12 | 24.03 | 23.93 | 23.84 | 23.74 | 23.65 | 23.60 | 23.57 | 23.50 | 23.43 | 23.36 | 23.29 | 23.23 | 23.09 | 23.02 | 22.95 | 22.89 | 22.82 | 22.75 | 22.70 | 22.66 | 22.53 | 22.39 | 22.26 | 22.25 | 22.46 | 22.48 | 22.54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING SURFACE LEVELS | 24.53 | 24.37 | 24.31 | 24.26 | 24.22 | 24.19 | 24.13 | 24.01 | 23.90 | 23.66 | 23.63 | 23.58 | 23.59 | 23.45 | 23.41 | 23.35 | 23.27 | 23.26 | 23.23 | 23.12 | 23.11 | 23.01 | 22.98 | 22.85 | 22.78 | 22.66 | 22.74 | 22.65 | 22.65 | 22.49 | 22.48 | 22.54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUT - / FILL + | 0.31 | 0.24 | 0.07 | 0.01 | -0.04 | -0.06 | -0.11 | -0.08 | -0.06 | 0.09 | 0.02 | 0.02 | -0.02 | 0.04 | 0.02 | 0.01 | -0.08 | -0.04 | -0.10 | -0.05 | -0.14 | -0.13 | -0.06 | -0.10 | -0.09 | -0.12 | -0.21 | -0.26 | -0.23 | 1.44 | 21.02 | 22.46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHAINAGE | 0.00 | 20.00 | 40.00 | 50.00 | 60.00 | 80.00 | 100.00 | 120.00 | 140.00 | 160.00 | 180.00 | 190.91 | 200.00 | 220.00 | 240.00 | 260.00 | 280.00 | 300.00 | 320.00 | 340.00 | 360.00 | 380.00 | 400.00 | 420.00 | 440.00 | 454.33 | 460.00 | 480.00 | 500.00 | 520.00 | 540.00 | 560.00 | 563.55 | 566.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION - ROAD 8-3
 HORIZ 1:1000 VERT 1:200
 HORIZ 1:2000 VERT 1:400 @A3

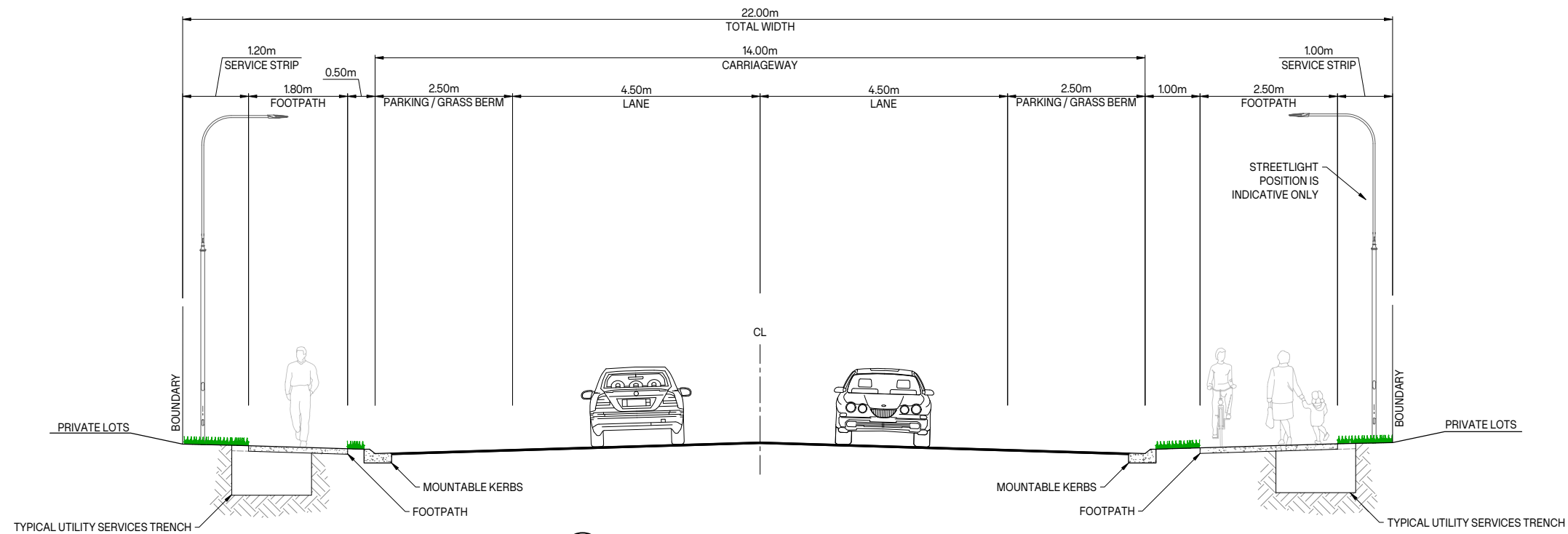
| VERTICAL ALIGNMENT | | -0.87% | | | | | | | | | | | | | | | | -0.44% | | | | | | | | | | | | | | | | -0.26% | | | | | | | | | | | | | | | | -0.87% | | | | | | | | | | | | | | | | -0.64% | | | | | | | | | | | | | | | | -0.17% | | | | | | | | | | | | | | | |
|-------------------------|-------|--------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DATUM 14.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN SURFACE LEVELS | 28.18 | 28.01 | 27.83 | 27.66 | 27.60 | 27.54 | 27.45 | 27.36 | 27.32 | 27.30 | 27.24 | 27.19 | 27.14 | 27.10 | 27.06 | 26.89 | 26.71 | 26.54 | 26.36 | 26.21 | 26.19 | 26.07 | 25.94 | 25.81 | 25.68 | 25.55 | 25.49 | 25.47 | 25.44 | 25.40 | 25.37 | 25.33 | 25.30 | 25.28 | 25.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING SURFACE LEVELS | 27.98 | 27.85 | 27.58 | 27.37 | 27.42 | 27.35 | 27.28 | 27.24 | 27.39 | 27.22 | 27.14 | 27.29 | 27.18 | 27.17 | 27.12 | 26.95 | 26.81 | 26.50 | 26.47 | 26.25 | 26.25 | 26.16 | 25.99 | 25.86 | 25.65 | 25.57 | 25.61 | 25.47 | 25.35 | 25.23 | 25.07 | 25.08 | 24.91 | 25.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CUT - / FILL + | 0.20 | 0.16 | 0.25 | 0.29 | 0.18 | 0.19 | 0.17 | 0.13 | -0.07 | 0.08 | 0.10 | -0.09 | -0.04 | -0.07 | -0.06 | -0.06 | -0.10 | 0.04 | -0.10 | -0.04 | -0.06 | -0.09 | -0.05 | -0.05 | 0.03 | -0.01 | -0.12 | -0.00 | 0.09 | 0.18 | 0.14 | 0.26 | 0.22 | 0.35 | 0.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHAINAGE | 0.00 | 20.00 | 40.00 | 60.00 | 67.29 | 80.00 | 100.00 | 120.00 | 129.09 | 140.00 | 160.00 | 180.00 | 200.00 | 215.26 | 220.00 | 240.00 | 260.00 | 280.00 | 300.00 | 317.67 | 320.00 | 340.00 | 360.00 | 380.00 | 400.00 | 420.00 | 430.11 | 440.00 | 460.00 | 480.00 | 500.00 | 520.00 | 540.00 | 560.00 | 580.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

LONGITUDINAL SECTION - ROAD 9-4
 HORIZ 1:1000 VERT 1:200
 HORIZ 1:2000 VERT 1:400 @A3

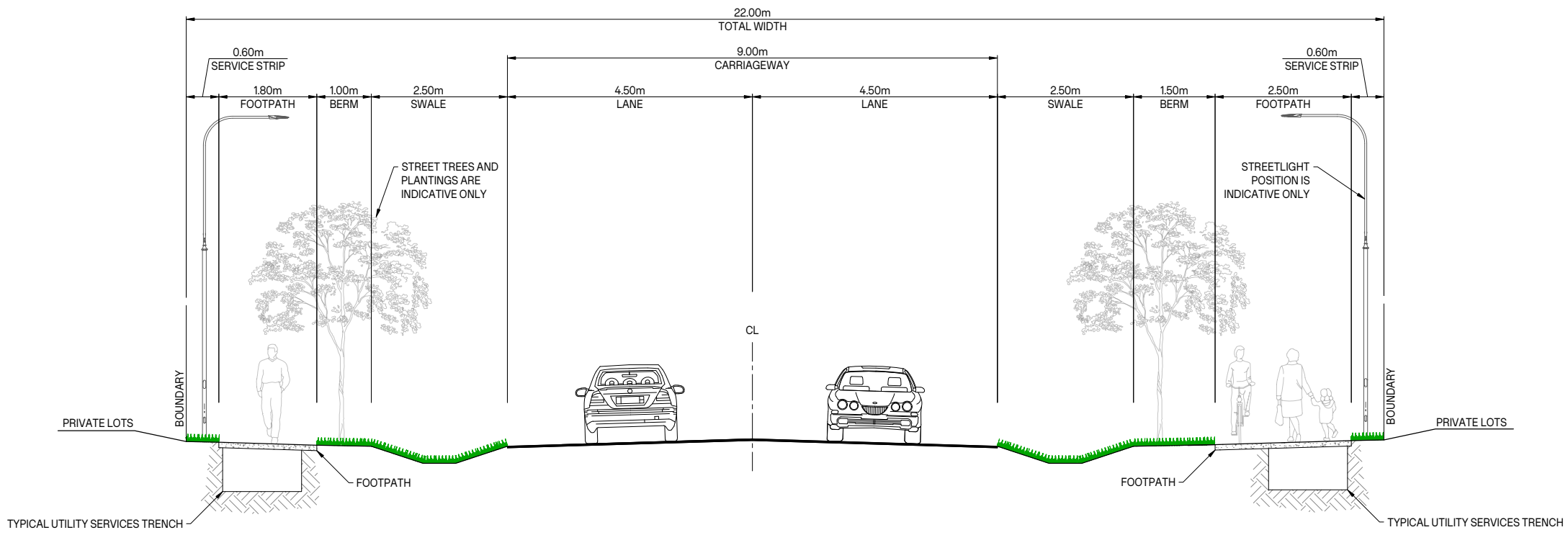
| VERTICAL ALIGNMENT | | -0.17% | | | |
|-------------------------|--------|--------|--------|--------|--------|
| DATUM 14.00 | | | | | |
| DESIGN SURFACE LEVELS | 24.95 | 24.92 | 24.91 | 24.91 | 24.92 |
| EXISTING SURFACE LEVELS | 24.95 | 24.91 | 24.91 | 24.91 | 24.92 |
| CUT - / FILL + | 0.30 | 0.16 | 0.00 | 0.00 | 0.00 |
| CHAINAGE | 570.00 | 580.00 | 590.00 | 600.00 | 610.00 |

LONGITUDINAL SECTION - ROAD 9-4
 HORIZ 1:1000 VERT 1:200 @A1
 HORIZ 1:2000 VERT 1:400 @A3

| | | | |
|---|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |
| PROJECT: | | | |
| MILL ROAD, OHOKA WAIMAKARIRI CANTERBURY | | | |
| DESCRIPTION: | | | |
| ROADING LONG SECTIONS PLAN SHEET 4 OF 4 | | | |
| SURVEYED | - | | |
| DESIGNED | PE | | 05/06/2026 |
| DRAWN | PE | | 05/06/2026 |
| CHECKED | SS | | 05/06/2026 |
| APPROVED | MP | | 09/06/2026 |
| SCALE | AS SHOWN | | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-3203 | | |



A TYPICAL ROADING CROSS-SECTION - 22m
3300 SCALE 1:50@A1 1:100@A3



B TYPICAL ROADING CROSS-SECTION - 22m WITH SWALES
3300 SCALE 1:50@A1 1:100@A3

NOTES:

1. ALL WORKS SHALL COMPLY WITH THE WDC ENGINEERING CODE OF PRACTICE (ECOP) UNLESS OTHERWISE SPECIFIED.
2. ASPHALTIC CONCRETE SPECIFIED IN ACCORDANCE WITH NZTA M/10:2020 SPECIFICATION.
3. BENKELMAN BEAM TESTING TO COMPLY WITH WDC ECOP SECTION 3.11.3 RESULTS ARE TO BE SUBMITTED TO THE WDC AS PER THE REQUIREMENTS OF ECOP 2.10.4 AND 3.1.1.
4. METAL COURSE DESIGN DEPTHS TO BE CONFIRMED BY TESTING SUBGRADE PRIOR TO PLACING SUB-BASE MATERIAL AND APPROVAL BY THE ENGINEER.
5. KERB CUTDOWN REQUIRED FOR ALL PEDESTRIAN ROAD CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 213.
6. KERB CUTDOWN REQUIRED FOR ALL RESIDENTIAL VEHICLE CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH WDC ECOP 211 A-D, 212 A-C & 221 A (AS RELEVANT) & 219, 616.
7. SOW GRASS ON BERMS IN ACCORDANCE WITH WDC ECOP.
8. BERMS AND TREE PITS TO BE CONSTRUCTED AS PER WDC ECOP PART 10.
9. CARRIAGEWAY CROSSFALLS TO COMPLY WITH WDC ECOP SECTION 8.7.4.

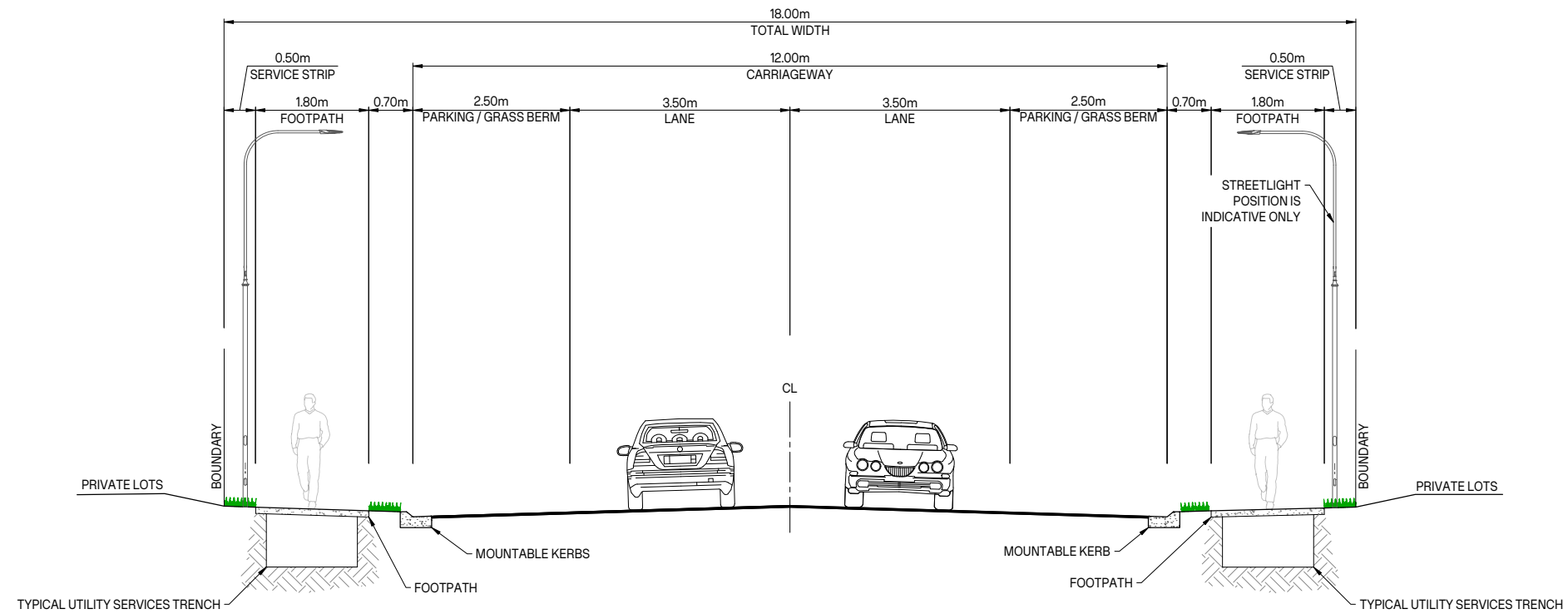
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

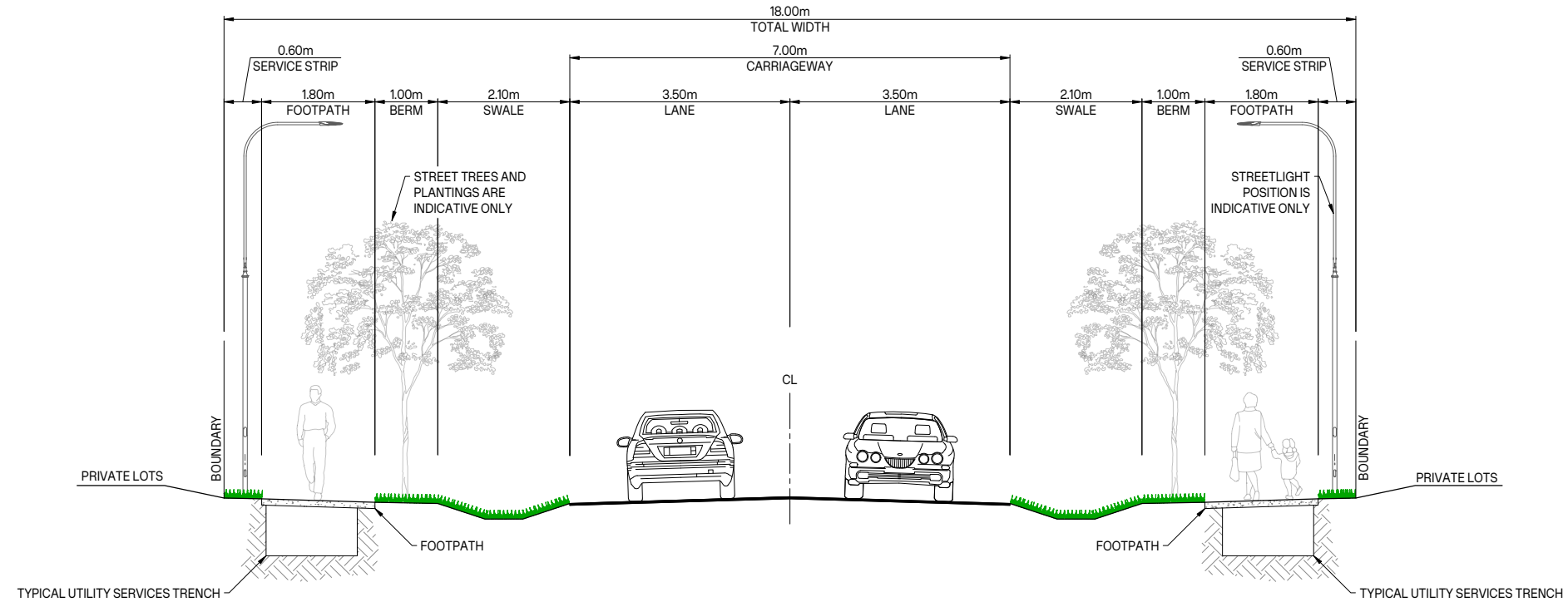
DESCRIPTION: **ROADING
CROSS SECTION PLAN
SHEET 1 OF 3**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-3300 | |



C TYPICAL ROADING CROSS-SECTION - 18m
3301 SCALE 1:50@A1:1:100@A3



D TYPICAL ROADING CROSS-SECTION - 18m WITH SWALES
3301 SCALE 1:50@A1:1:100@A3

NOTES:

1. ALL WORKS SHALL COMPLY WITH THE WDC ENGINEERING CODE OF PRACTICE (ECOP) UNLESS OTHERWISE SPECIFIED.
2. ASPHALTIC CONCRETE SPECIFIED IN ACCORDANCE WITH NZTA M/10:2020 SPECIFICATION.
3. BENKELMAN BEAM TESTING TO COMPLY WITH WDC ECOP SECTION 3.11.3 RESULTS ARE TO BE SUBMITTED TO THE WDC AS PER THE REQUIREMENTS OF ECOP 2.10.4 AND 3.1.1.
4. METAL COURSE DESIGN DEPTHS TO BE CONFIRMED BY TESTING SUBGRADE PRIOR TO PLACING SUB-BASE MATERIAL AND APPROVAL BY THE ENGINEER.
5. KERB CUTDOWN REQUIRED FOR ALL PEDESTRIAN ROAD CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 213.
6. KERB CUTDOWN REQUIRED FOR ALL RESIDENTIAL VEHICLE CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH WDC ECOP 211 A-D, 212 A-C & 221 A (AS RELEVANT) & 219, 616.
7. SOW GRASS ON BERMS IN ACCORDANCE WITH WDC ECOP.
8. BERMS AND TREE PITS TO BE CONSTRUCTED AS PER WDC ECOP PART 10.
9. CARRIAGEWAY CROSSFALLS TO COMPLY WITH WDC ECOP SECTION 8.7.4.

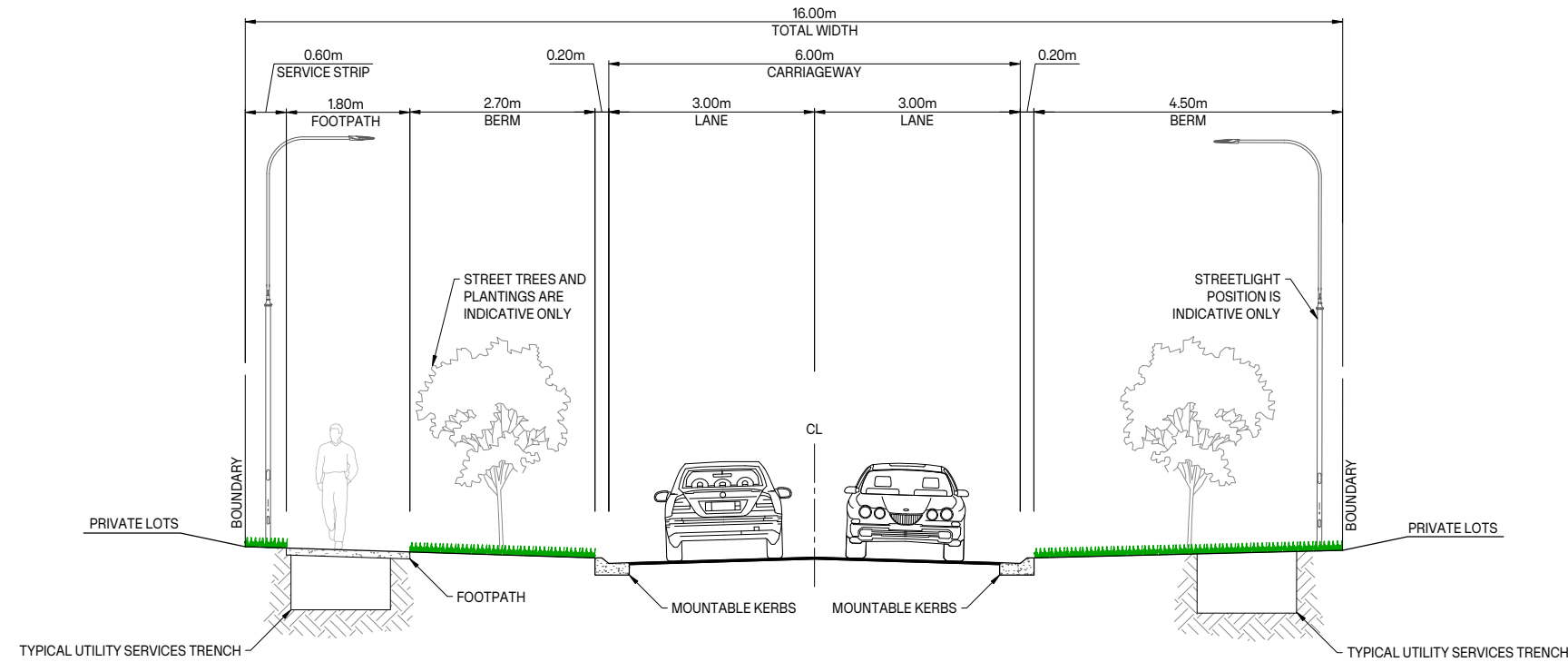
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

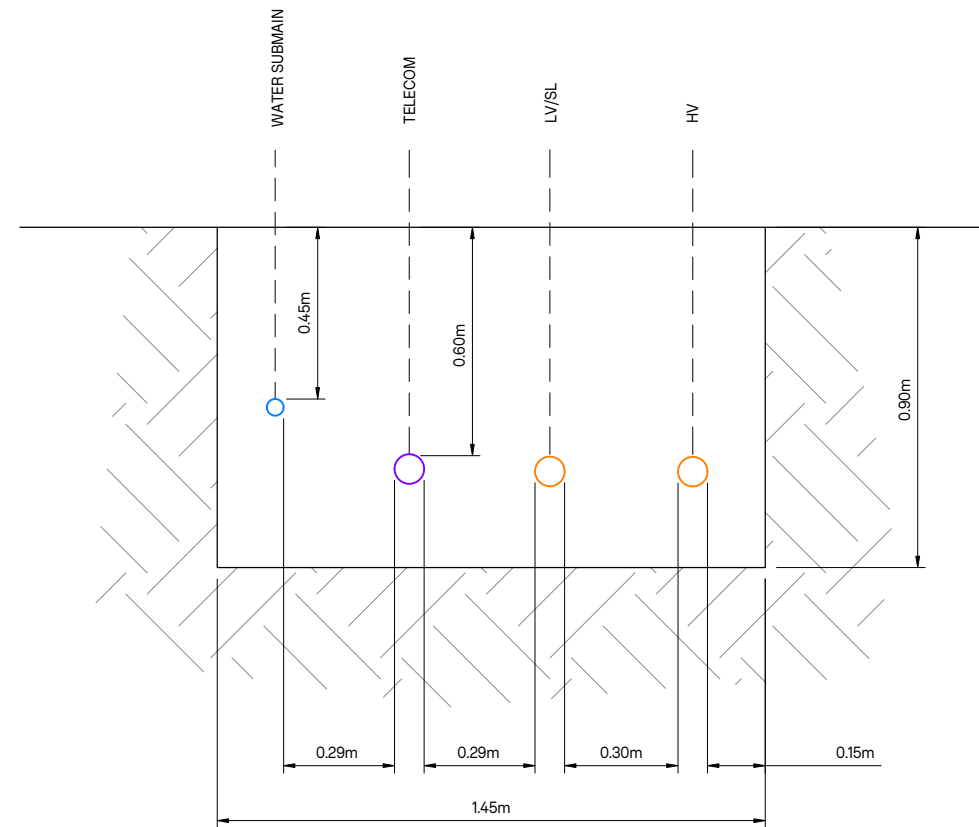
DESCRIPTION: **ROADING
CROSS SECTION PLAN
SHEET 2 OF 3**

| | | |
|----------|----------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | AS SHOWN | REVISION |

| | | |
|---------|-------------------------|----------|
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-3301 | |



E TYPICAL ROADING CROSS-SECTION - 16m FORMATION
3302 SCALE 1:50@A1:100@A3



F TYPICAL UTILITIES SERVICES TRENCH IN ROAD RESERVE
3302 SCALE 1:10@A1:120@A3

NOTES:

1. ALL WORKS SHALL COMPLY WITH THE WDC ENGINEERING CODE OF PRACTICE (ECOP) UNLESS OTHERWISE SPECIFIED.
2. ASPHALTIC CONCRETE SPECIFIED IN ACCORDANCE WITH NZTA M/10:2020 SPECIFICATION.
3. BENKELMAN BEAM TESTING TO COMPLY WITH WDC ECOP SECTION 3.11.3 RESULTS ARE TO BE SUBMITTED TO THE WDC AS PER THE REQUIREMENTS OF ECOP 2.10.4 AND 3.1.1.
4. METAL COURSE DESIGN DEPTHS TO BE CONFIRMED BY TESTING SUBGRADE PRIOR TO PLACING SUB-BASE MATERIAL AND APPROVAL BY THE ENGINEER.
5. KERB CUTDOWN REQUIRED FOR ALL PEDESTRIAN ROAD CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH ECOP 213.
6. KERB CUTDOWN REQUIRED FOR ALL RESIDENTIAL VEHICLE CROSSINGS. CROSSINGS TO BE CONSTRUCTED IN ACCORDANCE WITH WDC ECOP 211 A-D, 212 A-C & 221 A (AS RELEVANT) & 219, 616.
7. SOW GRASS ON BERMS IN ACCORDANCE WITH WDC ECOP.
8. BERMS AND TREE PITS TO BE CONSTRUCTED AS PER WDC ECOP PART 10.
9. CARRIAGEWAY CROSSFALLS TO COMPLY WITH WDC ECOP SECTION 8.7.4.

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**ROADING
CROSS SECTION PLAN
SHEET 3 OF 3**

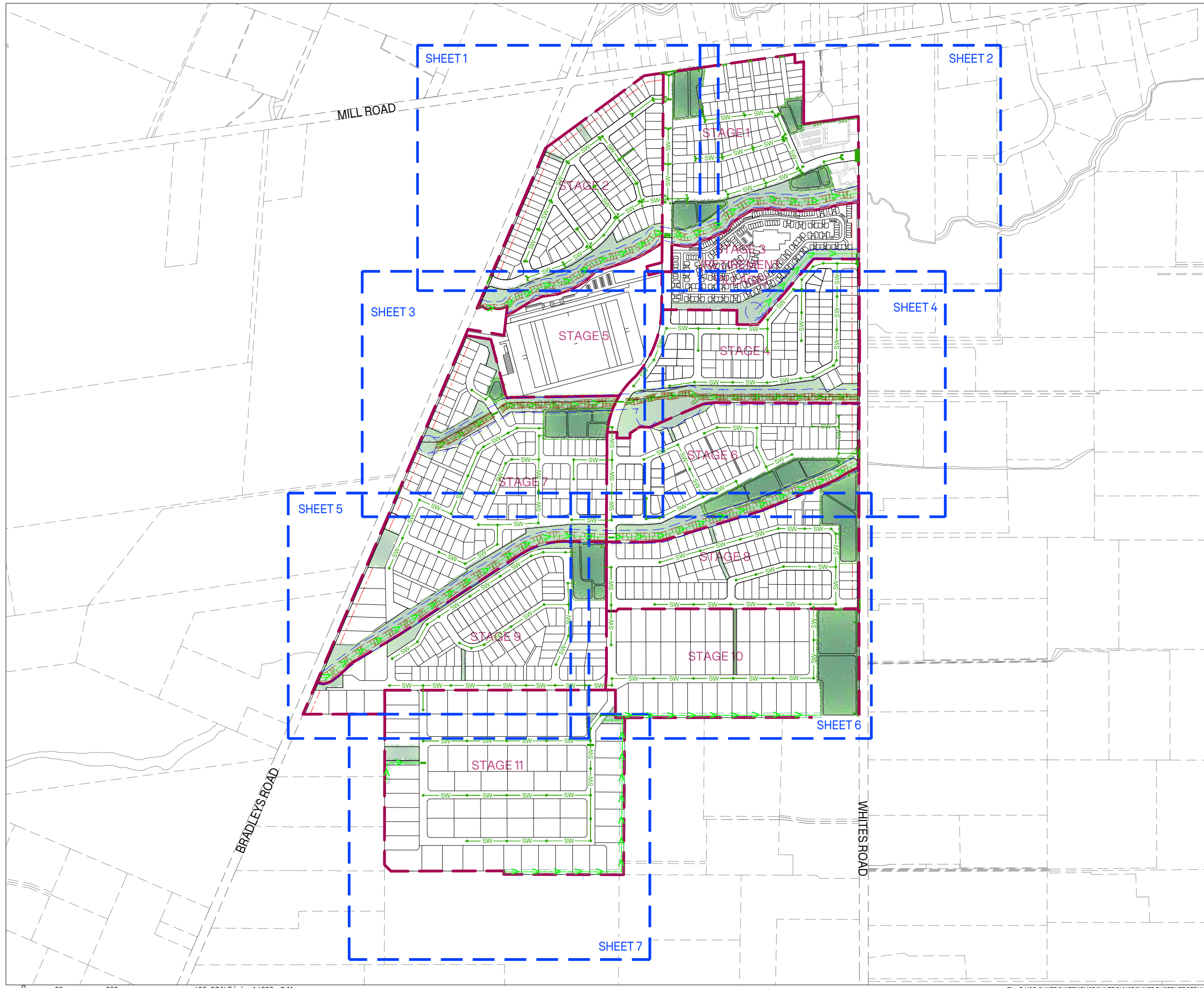
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE AS SHOWN REVISION

STATUS **FOR CONSENT**

PROJECT **16013** **B**

DWG NO **16013-00-RC-3302**



NOTES:

1. LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
2. COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
3. ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
4. ALL HOUSE DRAINS AS PER WDC ECOP 329.
5. ALL KERB ADAPTERS TO BE Ø100mm.
6. ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
7. ALL PIPES Ø375mm OR LESS TO BE uPVC.
8. LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
9. BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
10. PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
11. ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
12. SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
13. ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER OVERALL PLAN**

| | | | |
|-------|-------------|------------|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |

| | | |
|---------|-------------------------|----------|
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4000 | |

0 80 200 400 SCALE (m) 1:4000 @A1 1:8000 @A3



NOTES:

- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
- COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
- ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
- ALL HOUSE DRAINS AS PER WDC ECOP 329.
- ALL KERB ADAPTERS TO BE Ø100mm.
- ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
- ALL PIPES Ø375mm OR LESS TO BE uPVC.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
- PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
- ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
- SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
- ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4001 | | |





- NOTES:**
- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
 - COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
 - ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
 - ALL HOUSE DRAINS AS PER WDC ECOP 329.
 - ALL KERB ADAPTERS TO BE Ø100mm.
 - ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
 - ALL PIPES Ø375mm OR LESS TO BE uPVC.
 - LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
 - BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
 - PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
 - ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
 - SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
 - ALL LATERAL LOCATIONS TO BE STAKED.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - PR STORMWATER CULVERT
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 2 OF 7**

| | | |
|----------|------------|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |

| | | |
|---------|-------------------------|----------|
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4002 | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

NOTES:

- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
- COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
- ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
- ALL HOUSE DRAINS AS PER WDC ECOP 329.
- ALL KERB ADAPTERS TO BE Ø100mm.
- ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
- ALL PIPES Ø375mm OR LESS TO BE uPVC.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
- PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
- ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
- SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
- ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
|------------------|-----------------------------------|----|------------|
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 3 OF 7**

| | | |
|----------|------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |

STATUS: **FOR CONSENT**

PROJECT: **16013**

DWG NO: **16013-00-RC-4003**

Plot Date: 15:00:52.9 June 2026, ADMINMANUX



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

NOTES:

- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
- COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
- ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
- ALL HOUSE DRAINS AS PER WDC ECOP 329.
- ALL KERB ADAPTERS TO BE Ø100mm.
- ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
- ALL PIPES Ø375mm OR LESS TO BE uPVC.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
- PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
- ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
- SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
- ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| REVISION | DESCRIPTION | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 4 OF 7**

| APPROVED | DESIGNED | DRAWN | CHECKED | DATE |
|----------|----------|-------|---------|------------|
| MP | KC | AA | SS | 05/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4004 | | |





- NOTES:**
- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
 - COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
 - ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
 - ALL HOUSE DRAINS AS PER WDC ECOP 329.
 - ALL KERB ADAPTERS TO BE Ø100mm.
 - ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
 - ALL PIPES Ø375mm OR LESS TO BE uPVC.
 - LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
 - BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
 - PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
 - ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
 - SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
 - ALL LATERAL LOCATIONS TO BE STAKED.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - PR STORMWATER CULVERT
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP

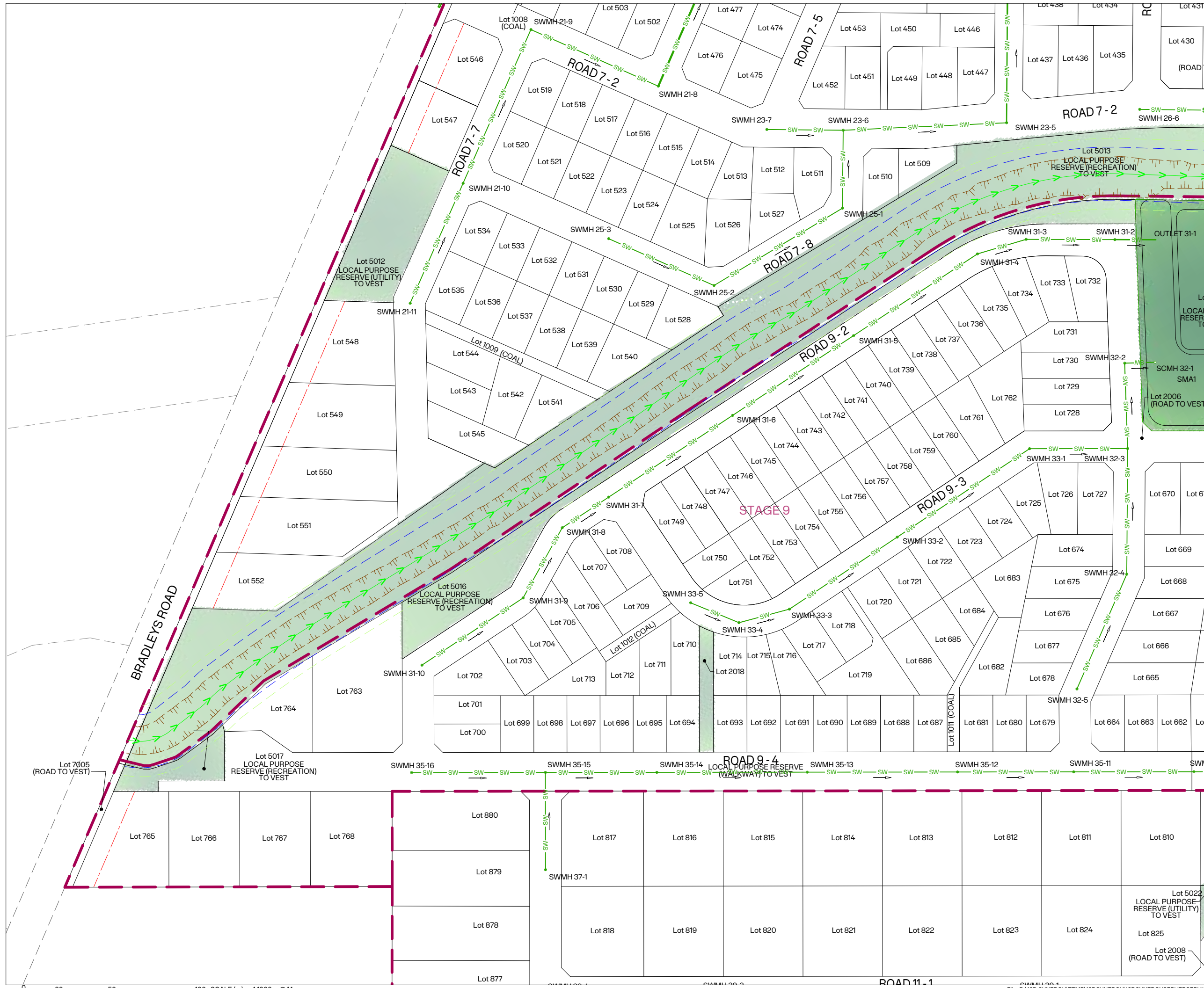
| REVISION | DESCRIPTION | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 5 OF 7**

| DATE | BY | REVISION |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4005 | | |





NOTES:

- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
- COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
- ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
- ALL HOUSE DRAINS AS PER WDC ECOP 329.
- ALL KERB ADAPTERS TO BE Ø100mm.
- ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
- ALL PIPES Ø375mm OR LESS TO BE uPVC.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
- PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
- ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
- SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
- ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 6 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4006 | | |



NOTES:

- LEVELS IN METRES, IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016
- COORDINATES IN TERMS OF NEW ZEALAND GEODETIC DATUM (NZGD) 2000 MT. PLEASANT CIRCUIT
- ALL STORMWATER CATCHPITS AS PER WAIMAKARIRI DISTRICT COUNCIL (WDC) ENGINEERING CODE OF PRACTICE (ECOP) STANDARD DRAWINGS 321, 322, 325, 326 & 328.
- ALL HOUSE DRAINS AS PER WDC ECOP 329.
- ALL KERB ADAPTERS TO BE Ø100mm.
- ALL CATCHPIT LEADS TO BE Ø225mm UNLESS OTHERWISE STATED.
- ALL PIPES Ø375mm OR LESS TO BE uPVC.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER WDC ECOP STANDARD DRAWINGS 343 & 344A-B.
- PIPE CONNECTIONS TO MANHOLES AND SUMPS WITH FLEXIBLE JOINTS AS PER WDC ECOP STANDARD DRAWINGS 341A-C, 342 & 343.
- ALL STORMWATER PIPELINES SHALL PASS CCTV INSPECTION AS REQUIRED BY ECOP STANDARD DRAWINGS 3.5.2.
- SW LATERALS TO TERMINATE WITH CAPPED END MIN. 1.0M INSIDE NET LOT AREA.
- ALL LATERAL LOCATIONS TO BE STAKED.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PR WASTEWATER PUMP STATION
- PR STORMWATER CULVERT
- PR STORMWATER PIPE
- PR STORMWATER MANHOLE
- PR STORMWATER SCRUFFY DOME
- PR STORMWATER SUMP

| | | | |
|---|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

REVISION DETAILS BY DATE

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER PLAN
SHEET 7 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

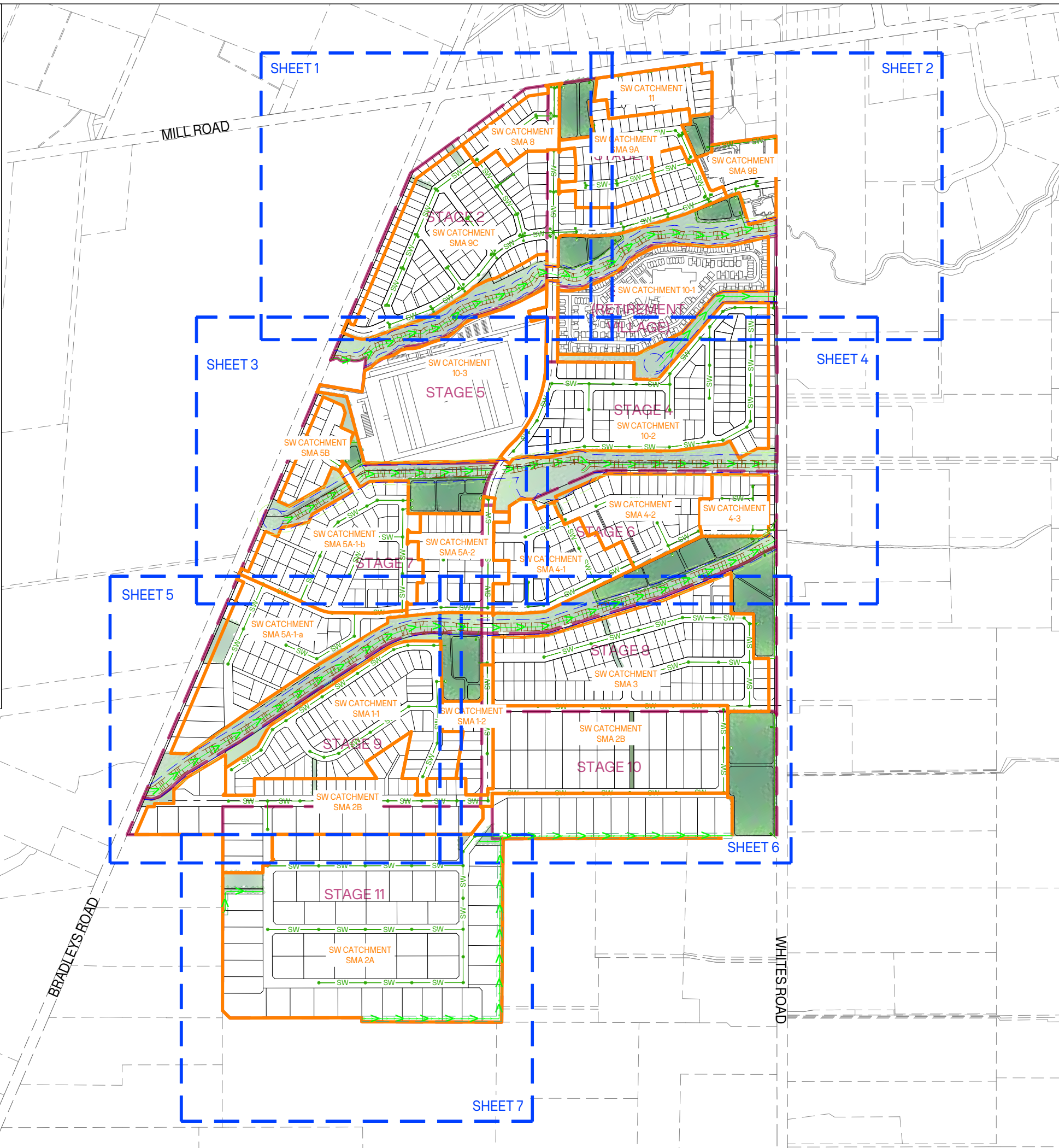
| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4007 | | |





PRIMARY CATCHMENTS

| CATCHMENT | SMA NO. | AREA (m ²) |
|------------------|--------------------------------------|------------------------|
| CATCHMENT 8 | SMA 8 | 16,151 |
| CATCHMENT 11 | FF PROPRIETARY DEVICES | 18,140 |
| CATCHMENT 9A | SMA 9A | 32,333 |
| CATCHMENT 9B | SMA 9B | 17,154 |
| CATCHMENT 9C | FF PROPRIETARY DEVICES | 112,535 |
| CATCHMENT 10-1 | FF PROPRIETARY DEVICES | 56,592 |
| CATCHMENT 10-2 | FF SWALES | 96,261 |
| CATCHMENT 10-3 | FF SWALES | 86,972 |
| CATCHMENT 5A-1-a | SMA 5A-1 AND/OR SWALES / RAINGARDENS | 55,534 |
| CATCHMENT 5A-1-b | | 62,029 |
| CATCHMENT 5A-2 | SMA 5A-2 | 31,068 |
| CATCHMENT 5B | SMA 5B | 14,210 |
| CATCHMENT 4-1 | SMA 4-1 | 38,413 |
| CATCHMENT 4-2 | SMA 4-2 | 36,502 |
| CATCHMENT 4-3 | FF PROPRIETARY DEVICES | 14,700 |
| CATCHMENT 3 | SMA 3 | 93,758 |
| CATCHMENT 1-1 | SMA 1-1 | 73,998 |
| CATCHMENT 1-2 | SMA 1-2 | 14,803 |
| CATCHMENT 2A | SMA 2A | 229,667 |
| CATCHMENT 2B | SMA 2B | 154,445 |



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - SW — SW PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - ⊗ PR STORMWATER SCRUFFY DOME
 - ⊕ PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY

| REVISION | DETAILS | BY | DATE |
|----------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT
OVERALL PLAN**

| DATE | BY | REVISION |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4100 | | |

0 80 200 400 SCALE (m) 1:4000 @A1 1:8000 @A3

NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - SW — SW PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - ⊗ PR STORMWATER SCRUFFY DOME
 - ⊕ PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

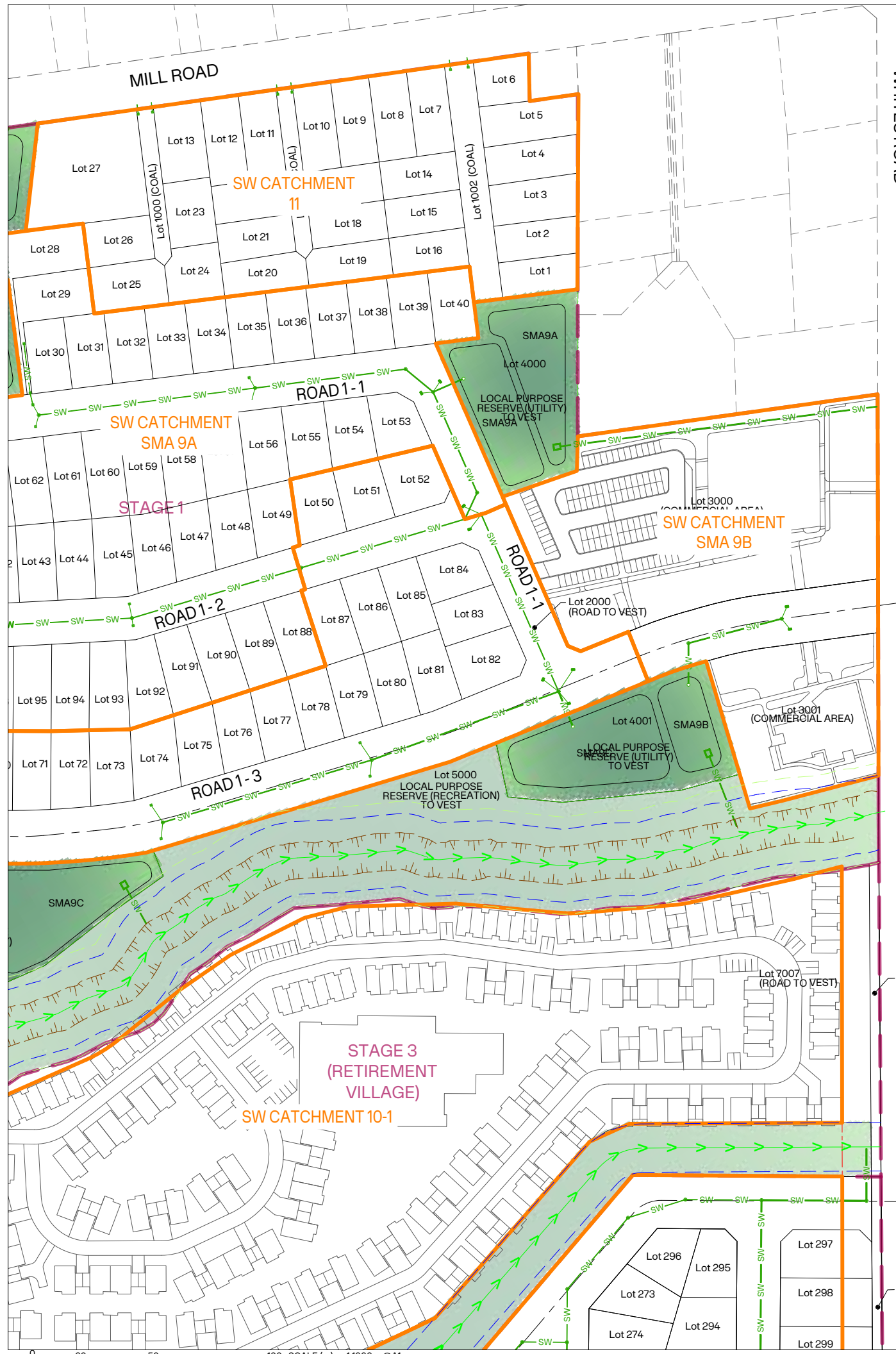
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|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4101 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUBBER DOME
 - PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 2 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4102 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

LEGEND:

| | |
|--|---|
| | STAGE BOUNDARY |
| | ABUTTAL BOUNDARY |
| | PR LOT BOUNDARY |
| | PR ROAD |
| | BANK TOP |
| | FLOW PATH |
| | GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK |
| | MINIMUM RIPARIAN ENHANCEMENT SETBACK |
| | 15m LANDSCAPING STRIP SETBACK |
| | STORMWATER MANAGEMENT AREA |
| | RESERVE / WALKWAYS |
| | PR WASTEWATER PUMP STATION |
| | STORMWATER MANAGEMENT AREA OUTLET STRUCTURE |
| | PR STORMWATER PIPE |
| | PR STORMWATER MANHOLE |
| | PR STORMWATER SCRUFFY DOME |
| | PR STORMWATER SUMP |
| | PRIMARY DRAINAGE CATCHMENT BOUNDARY |



| | | | |
|---|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

REVISION DETAILS BY DATE

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 3 OF 7**

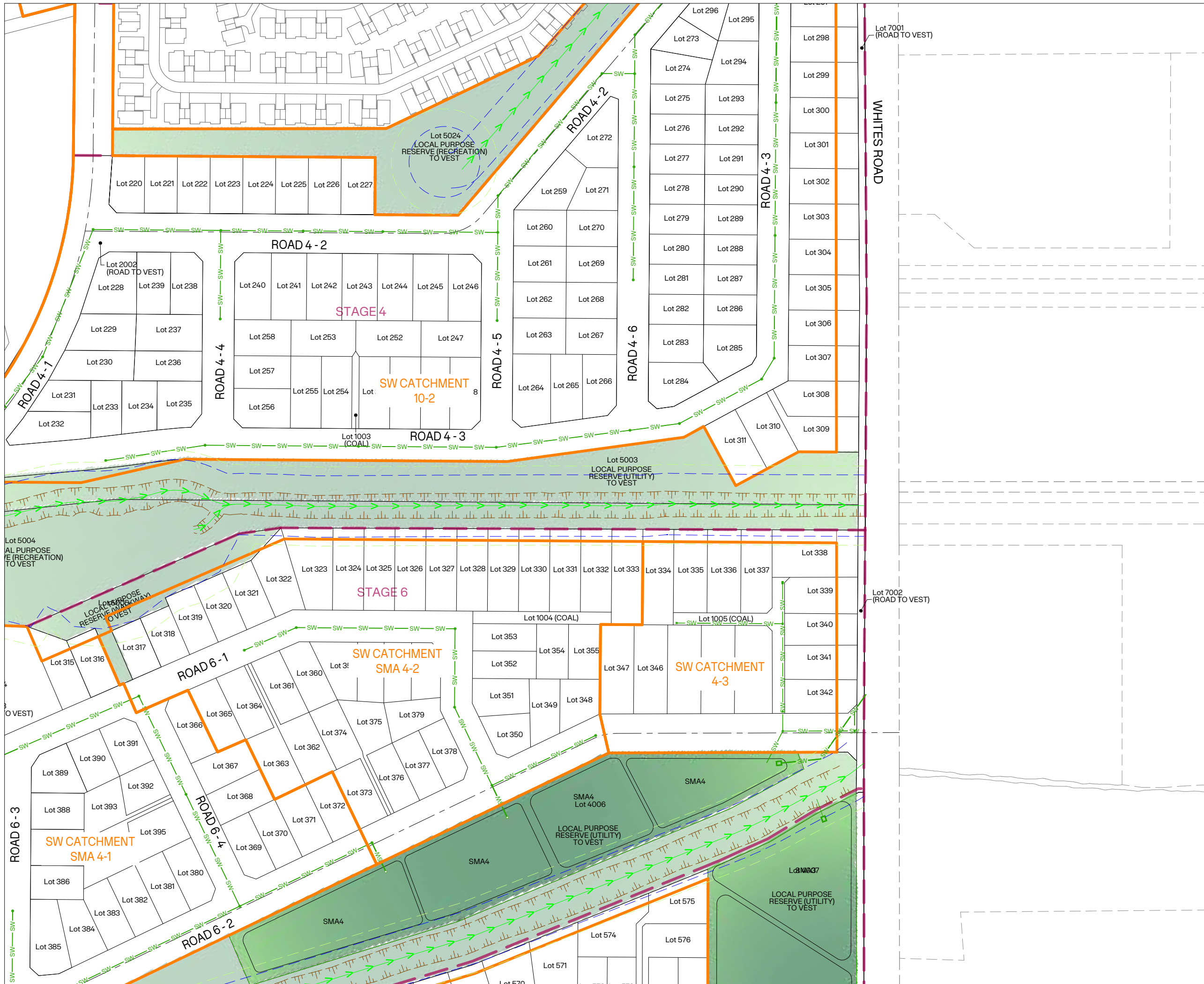
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|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4103 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4104 | | |



NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| REVISION DETAILS | BY | DATE |
|-------------------------------------|----|------------|
| B ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 5 OF 7**

| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |
| STATUS | FOR CONSENT | |
| PROJECT | 16013 | B |
| DWG NO | 16013-00-RC-4105 | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
PRIMARY CATCHMENT PLAN
SHEET 6 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

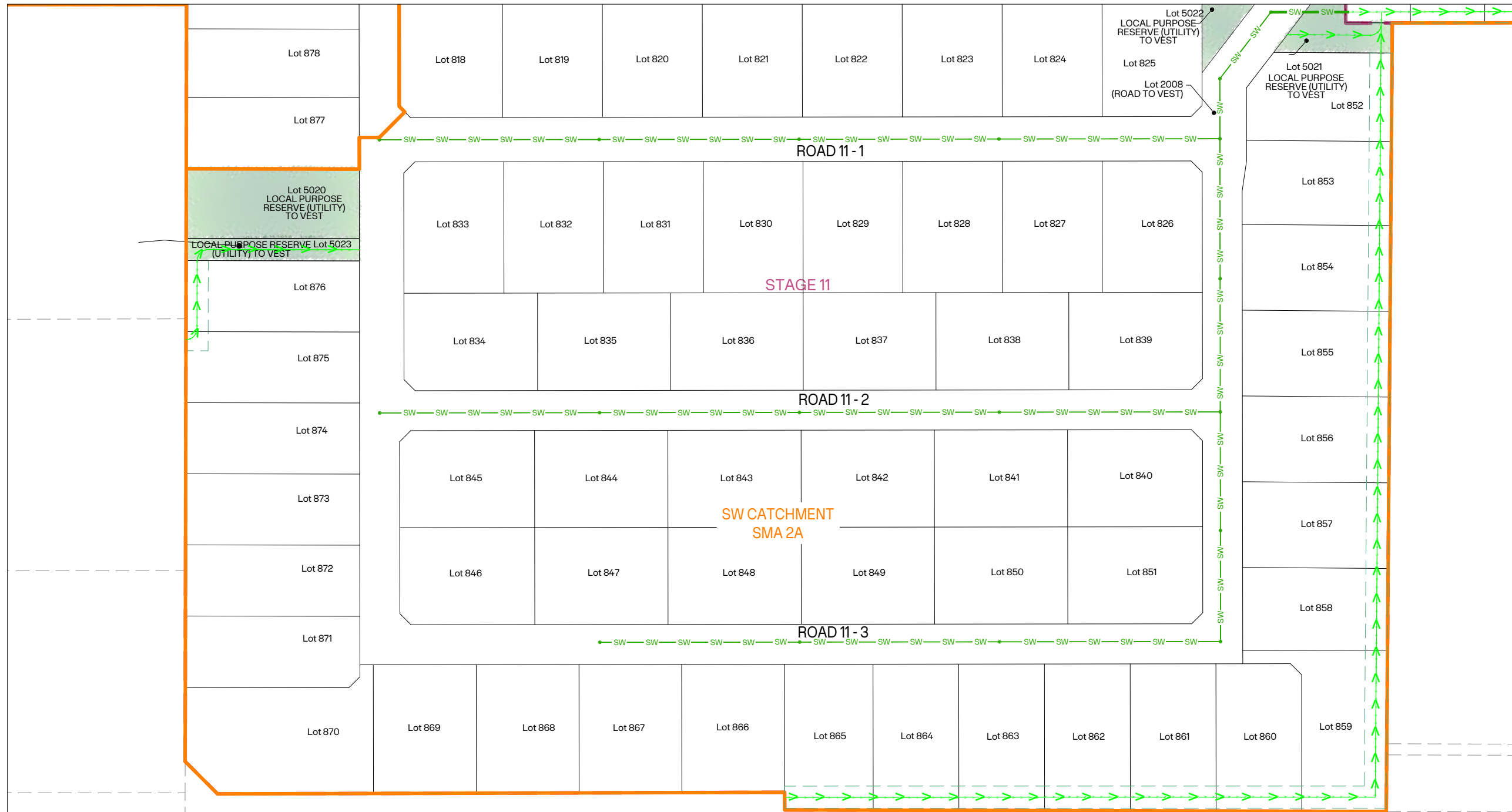
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|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4106 | | |





NOTES:
 1. CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 2. SPECIFIC DESIGN ELEMENTS FOR EACH STORMWATER MANAGEMENT AREA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - PRIMARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**STORMWATER
 PRIMARY CATCHMENT PLAN
 SHEET 7 OF 7**

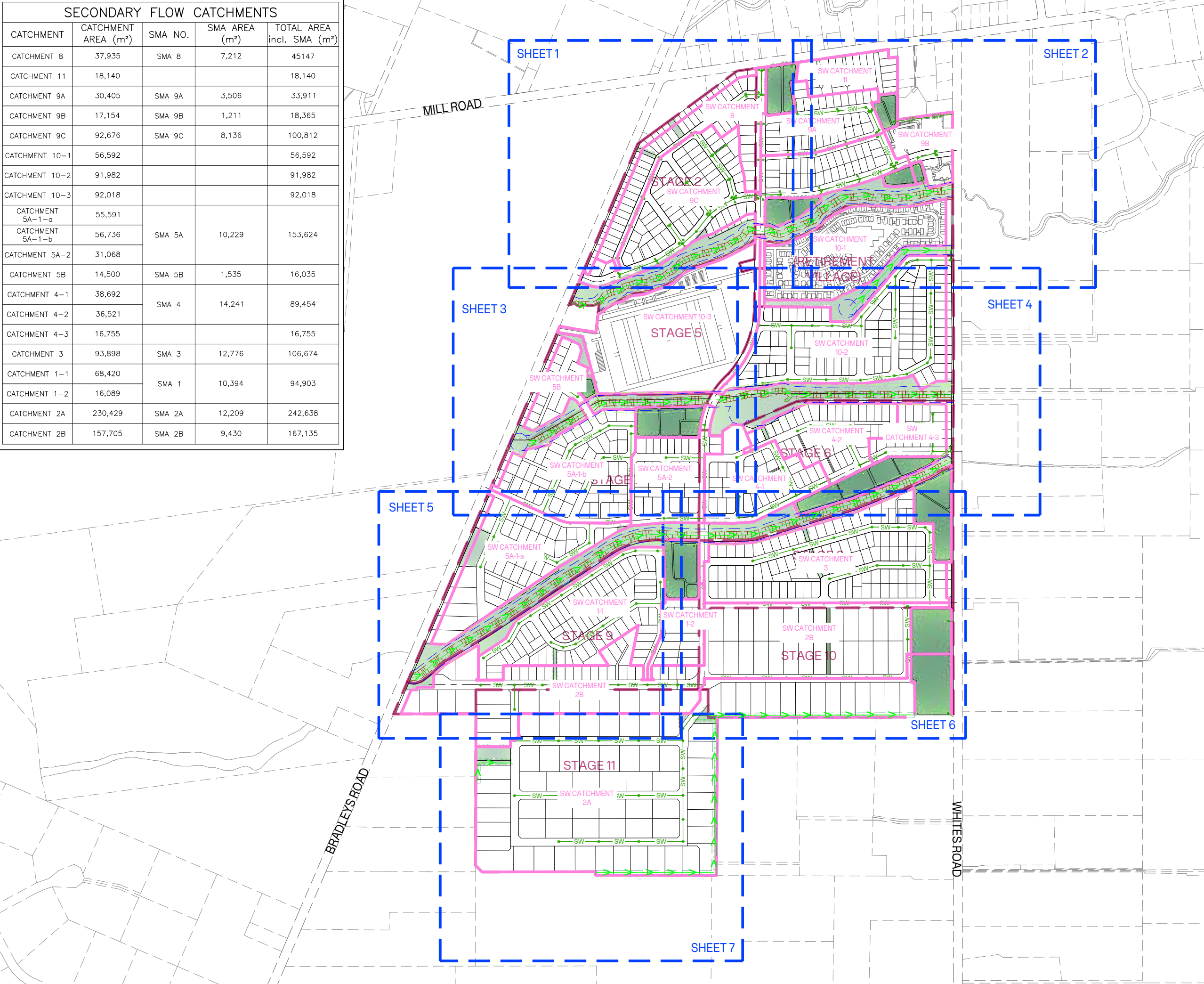
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|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4107 | | |





| SECONDARY FLOW CATCHMENTS | | | | |
|---------------------------|----------------------------------|---------|----------------------------|--|
| CATCHMENT | CATCHMENT AREA (m ²) | SMA NO. | SMA AREA (m ²) | TOTAL AREA incl. SMA (m ²) |
| CATCHMENT 8 | 37,935 | SMA 8 | 7,212 | 45,147 |
| CATCHMENT 11 | 18,140 | | | 18,140 |
| CATCHMENT 9A | 30,405 | SMA 9A | 3,506 | 33,911 |
| CATCHMENT 9B | 17,154 | SMA 9B | 1,211 | 18,365 |
| CATCHMENT 9C | 92,676 | SMA 9C | 8,136 | 100,812 |
| CATCHMENT 10-1 | 56,592 | | | 56,592 |
| CATCHMENT 10-2 | 91,982 | | | 91,982 |
| CATCHMENT 10-3 | 92,018 | | | 92,018 |
| CATCHMENT 5A-1-a | 55,591 | SMA 5A | 10,229 | 153,624 |
| CATCHMENT 5A-1-b | 56,736 | | | |
| CATCHMENT 5A-2 | 31,068 | | | |
| CATCHMENT 5B | 14,500 | SMA 5B | 1,535 | 16,035 |
| CATCHMENT 4-1 | 38,692 | SMA 4 | 14,241 | 89,454 |
| CATCHMENT 4-2 | 36,521 | | | |
| CATCHMENT 4-3 | 16,755 | | | |
| CATCHMENT 3 | 93,898 | SMA 3 | 12,776 | 106,674 |
| CATCHMENT 1-1 | 68,420 | SMA 1 | 10,394 | 94,903 |
| CATCHMENT 1-2 | 16,089 | | | |
| CATCHMENT 2A | 230,429 | SMA 2A | 12,209 | 242,638 |
| CATCHMENT 2B | 157,705 | SMA 2B | 9,430 | 167,135 |



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT
OVERALL PLAN**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4150 | | |





- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

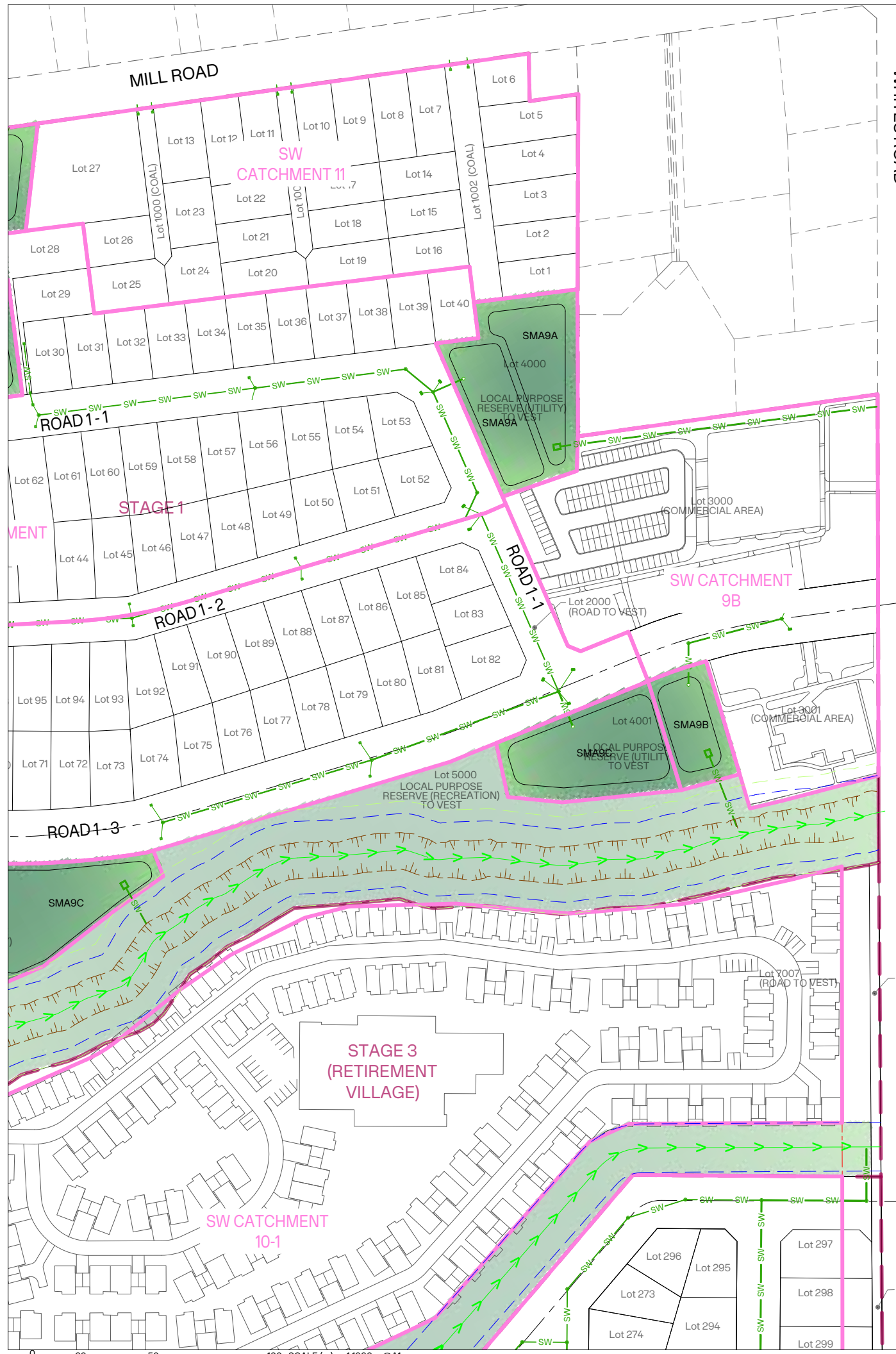
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|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4151 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 2 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4152 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 3 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4153 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4154 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 5 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4155 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
SECONDARY CATCHMENT PLAN
SHEET 6 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

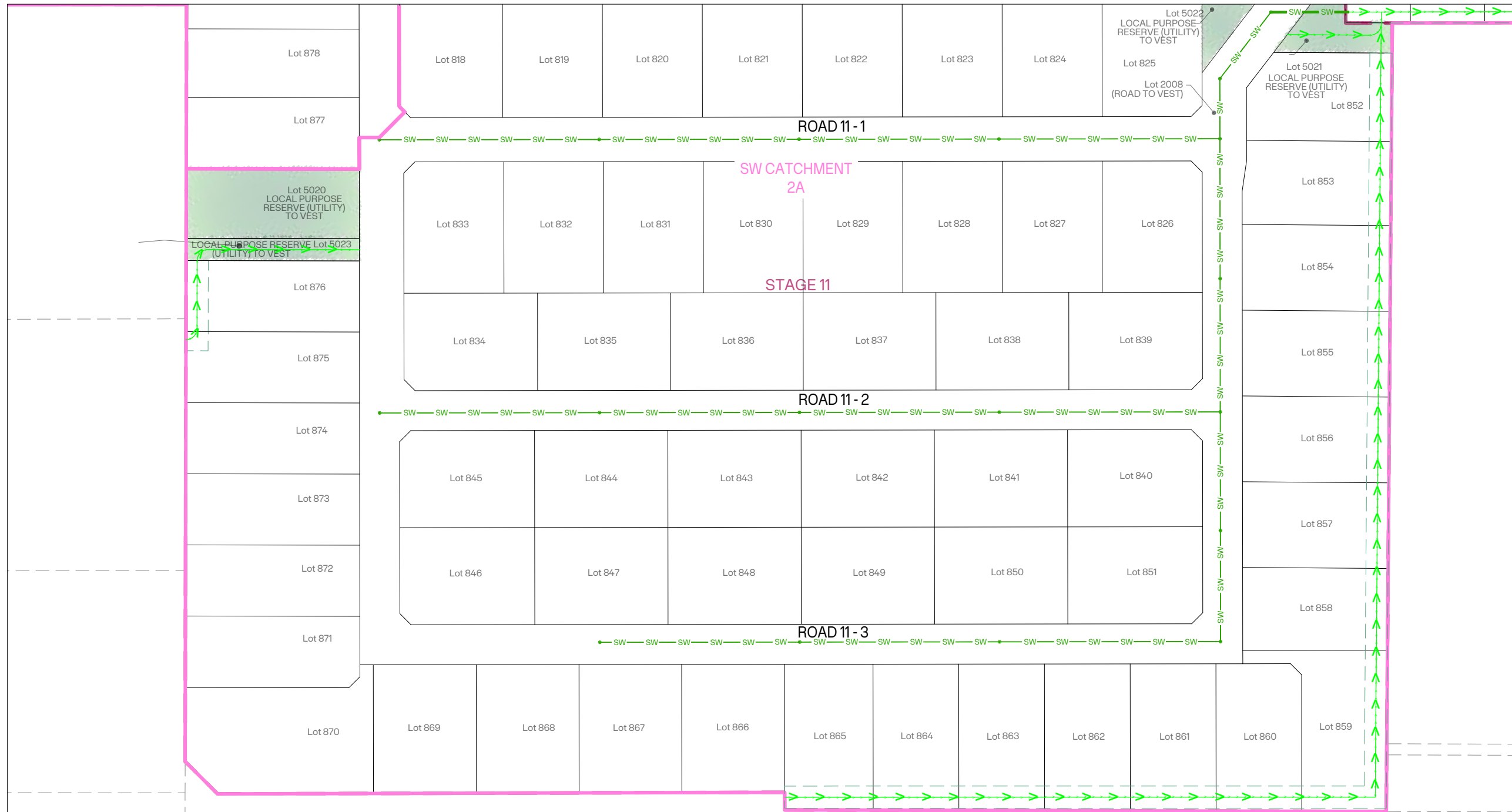
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| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4156 | | |





- NOTES:**
- CATCHMENT BOUNDARIES MAY CHANGE AT DETAILED DESIGN.
 - PLEASE REFER TO THE WATERCOURSE AND WETLAND CHANGES PLAN FOR OUTFALL/DISCHARGE LOCATIONS.
 - SPECIFIC DESIGN ELEMENTS FOR EACH SMA TO BE DETERMINED AT DETAILED DESIGN STAGE.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - PR WASTEWATER PUMP STATION
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE
 - PR STORMWATER PIPE
 - PR STORMWATER MANHOLE
 - PR STORMWATER SCRUFFY DOME
 - PR STORMWATER SUMP
 - SECONDARY DRAINAGE CATCHMENT BOUNDARY



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**STORMWATER
 SECONDARY CATCHMENT PLAN
 SHEET 7 OF 7**

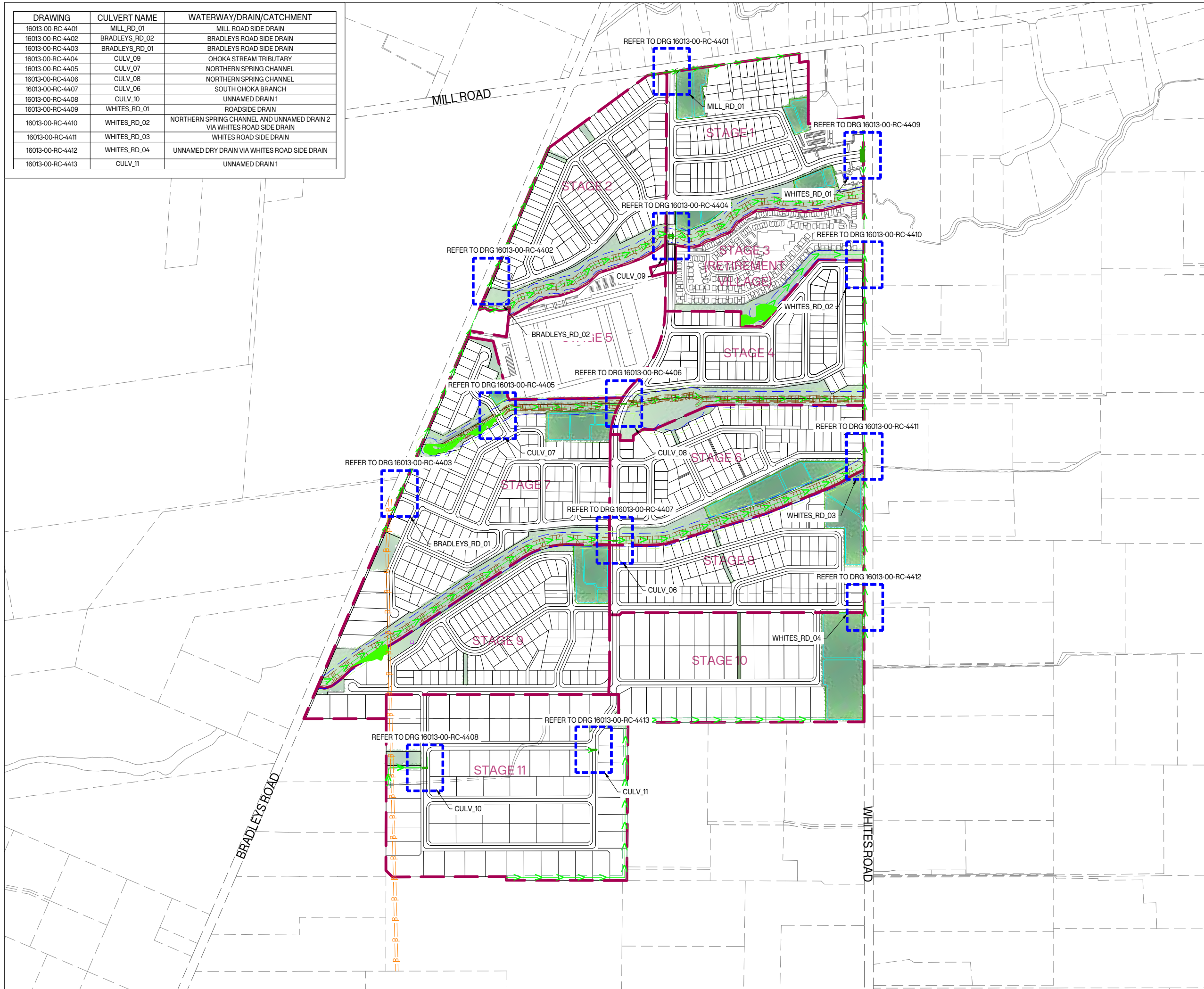
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| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4157 | | |





| DRAWING | CULVERT NAME | WATERWAY/DRAIN/CATCHMENT |
|------------------|----------------|--|
| 16013-00-RC-4401 | MILL_RD_01 | MILL ROAD SIDE DRAIN |
| 16013-00-RC-4402 | BRADLEYS_RD_02 | BRADLEYS ROAD SIDE DRAIN |
| 16013-00-RC-4403 | BRADLEYS_RD_01 | BRADLEYS ROAD SIDE DRAIN |
| 16013-00-RC-4404 | CULV_09 | OHOKA STREAM TRIBUTARY |
| 16013-00-RC-4405 | CULV_07 | NORTHERN SPRING CHANNEL |
| 16013-00-RC-4406 | CULV_08 | NORTHERN SPRING CHANNEL |
| 16013-00-RC-4407 | CULV_06 | SOUTH OHOKA BRANCH |
| 16013-00-RC-4408 | CULV_10 | UNNAMED DRAIN 1 |
| 16013-00-RC-4409 | WHITES_RD_01 | ROADSIDE DRAIN |
| 16013-00-RC-4410 | WHITES_RD_02 | NORTHERN SPRING CHANNEL AND UNNAMED DRAIN 2 VIA WHITES ROAD SIDE DRAIN |
| 16013-00-RC-4411 | WHITES_RD_03 | WHITES ROAD SIDE DRAIN |
| 16013-00-RC-4412 | WHITES_RD_04 | UNNAMED DRY DRAIN VIA WHITES ROAD SIDE DRAIN |
| 16013-00-RC-4413 | CULV_11 | UNNAMED DRAIN 1 |



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

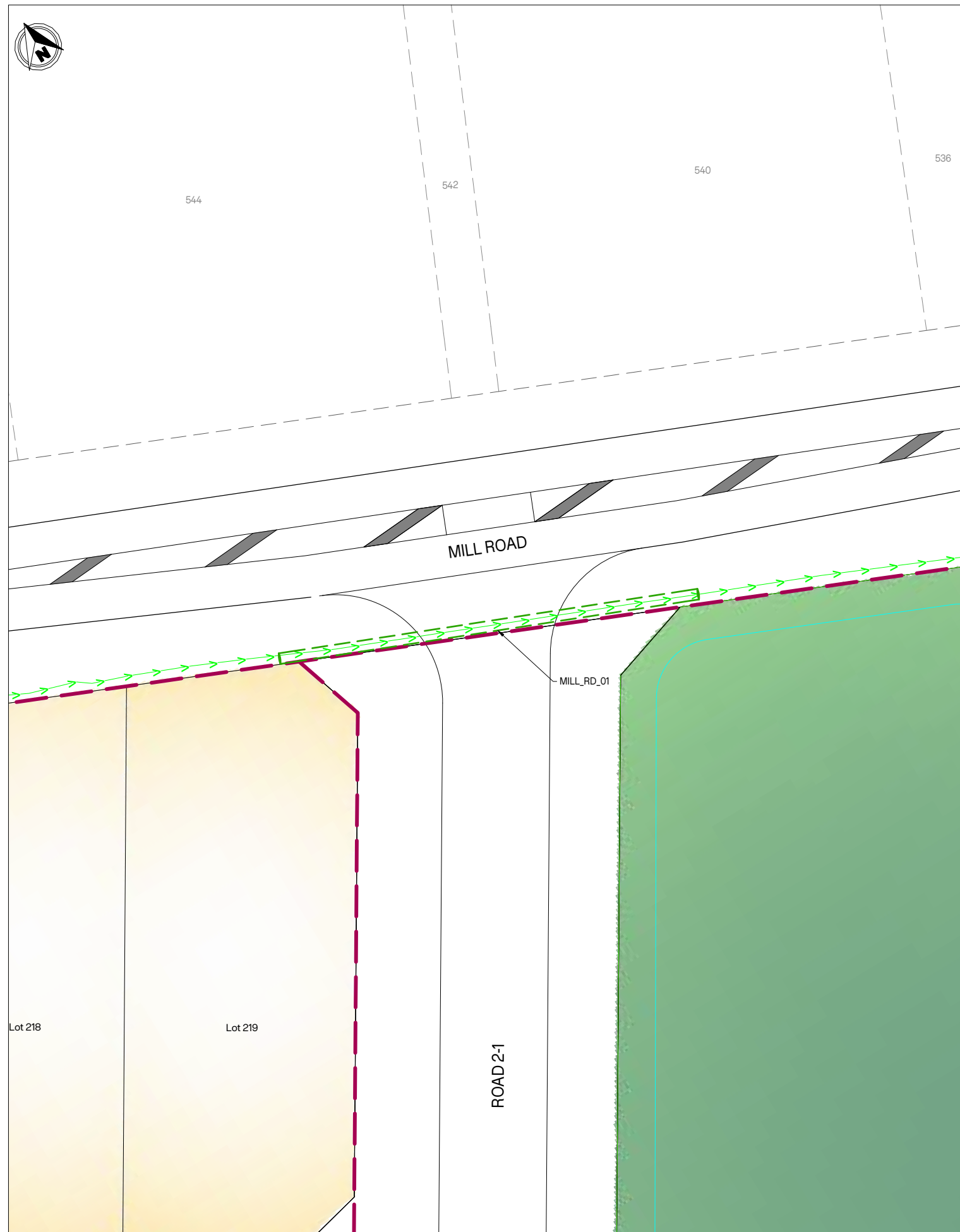
PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
CULVERT OVERALL PLAN**

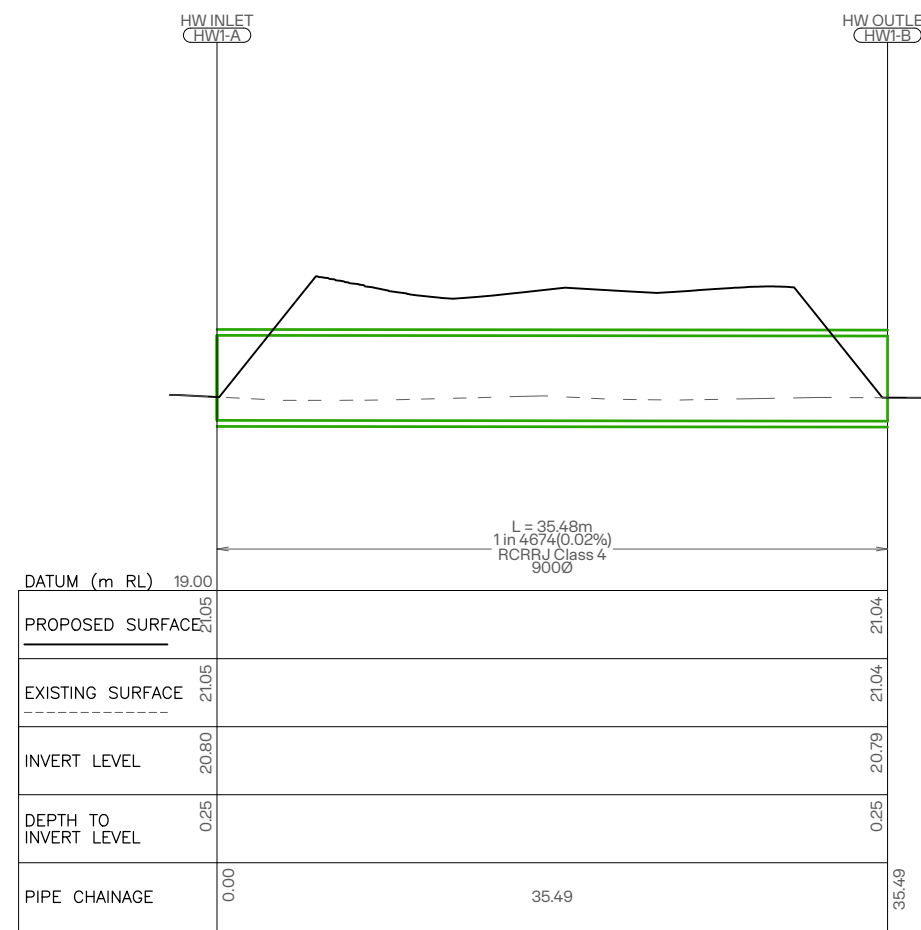
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|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|-------------|----------|
| SCALE | 1:4,000 @A1 | 1:8,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-4400 | | |

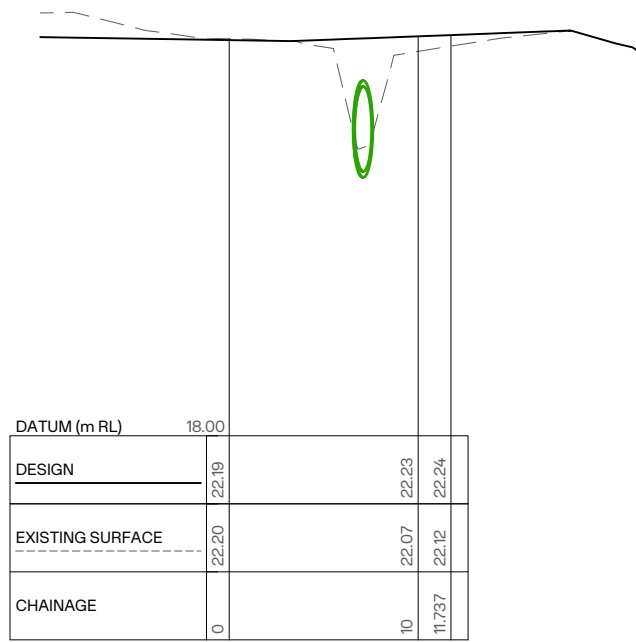




MILL_RD_01 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



MILL_RD_01 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



MILL_RD_01 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



NOTES:

- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
- HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
- FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
- FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- p—p— EXISTING OVERHEAD POWER LINE
- RESIDENTIAL LOTS
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- WETLAND - EXISTING
- CELLPHONE TOWER
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 1 OF 13**

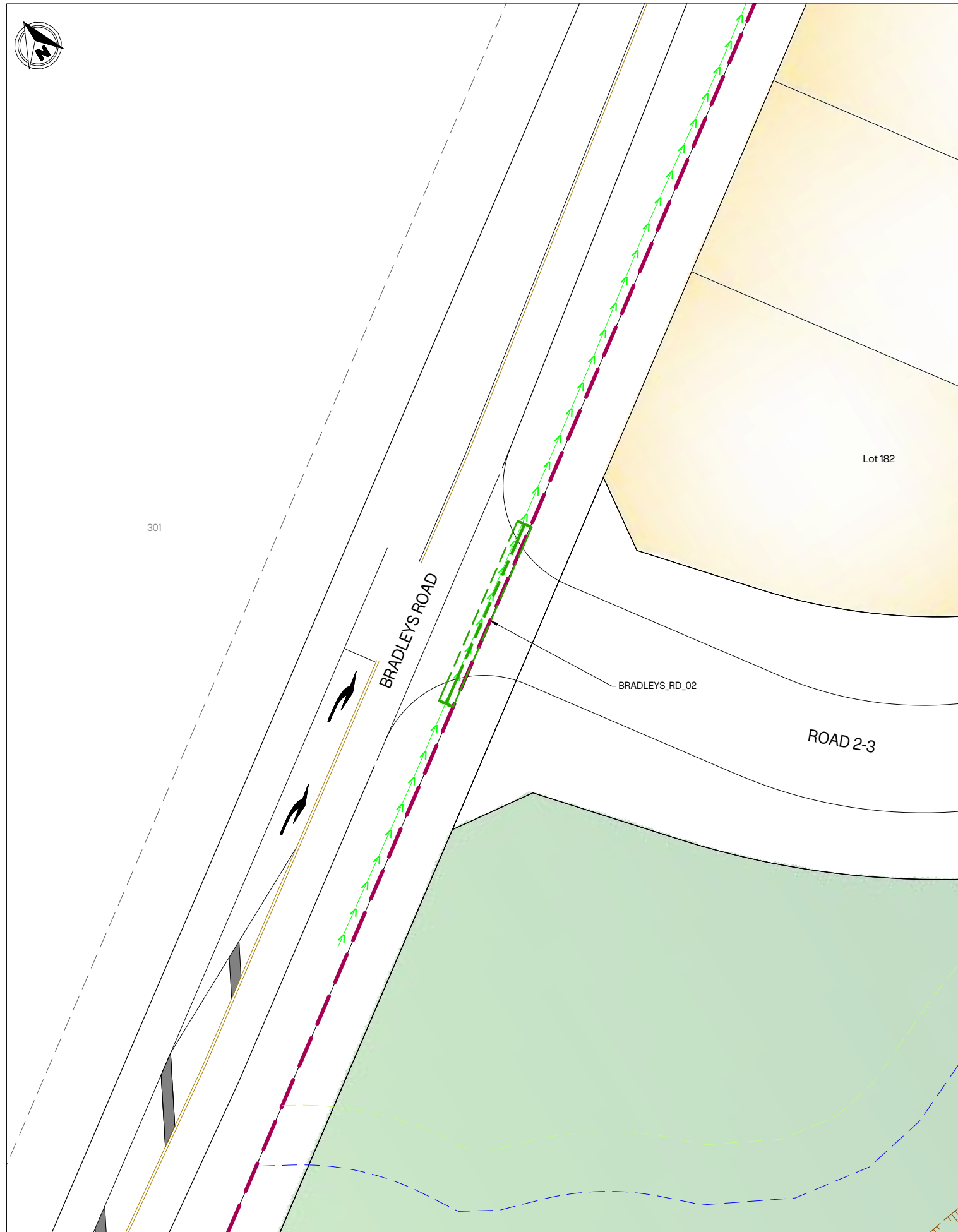
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE AS SHOWN REVISION

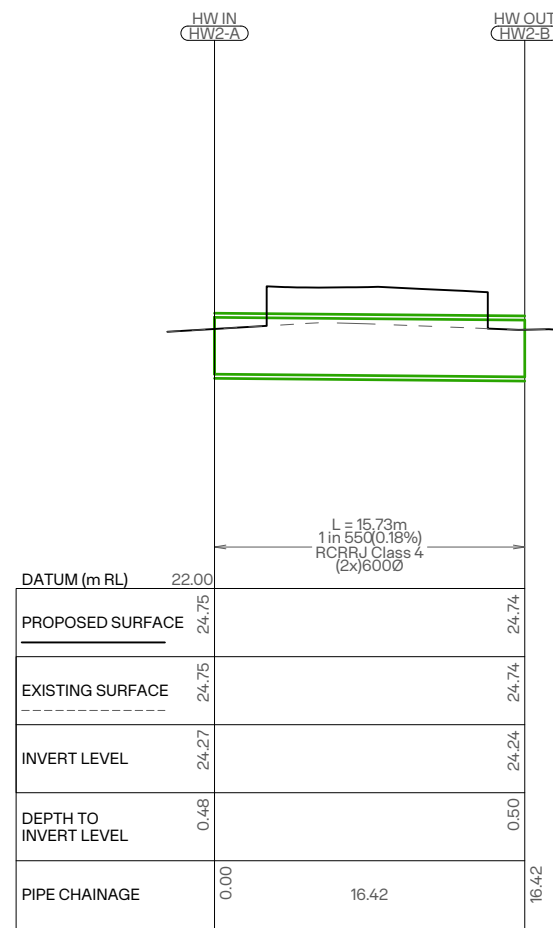
STATUS **FOR CONSENT** **B**

PROJECT **16013**

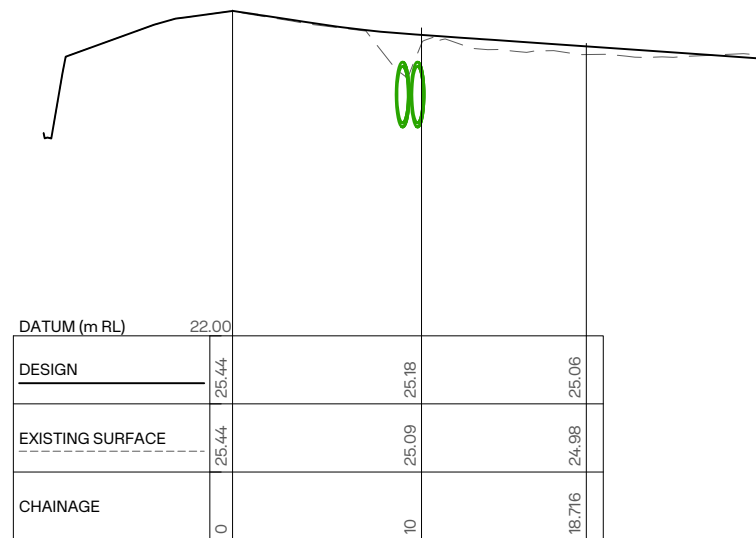
DWG NO **16013-00-RC-4401**



BRADLEYS_RD_02 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



BRADLEYS_RD_02 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



BRADLEYS_RD_02 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



NOTES:

- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
- HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
- FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
- FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

LEGEND:

- STAGE BOUNDARY
- - - ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- - - BANK TOP
- - - CHANNEL TOP
- FLOW PATH
- - - MINIMUM RIPARIAN ENHANCEMENT SETBACK
- p — p — EXISTING OVERHEAD POWER LINE
- RESIDENTIAL LOTS
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- WETLAND - EXISTING
- CELLPHONE TOWER
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 2 OF 13**

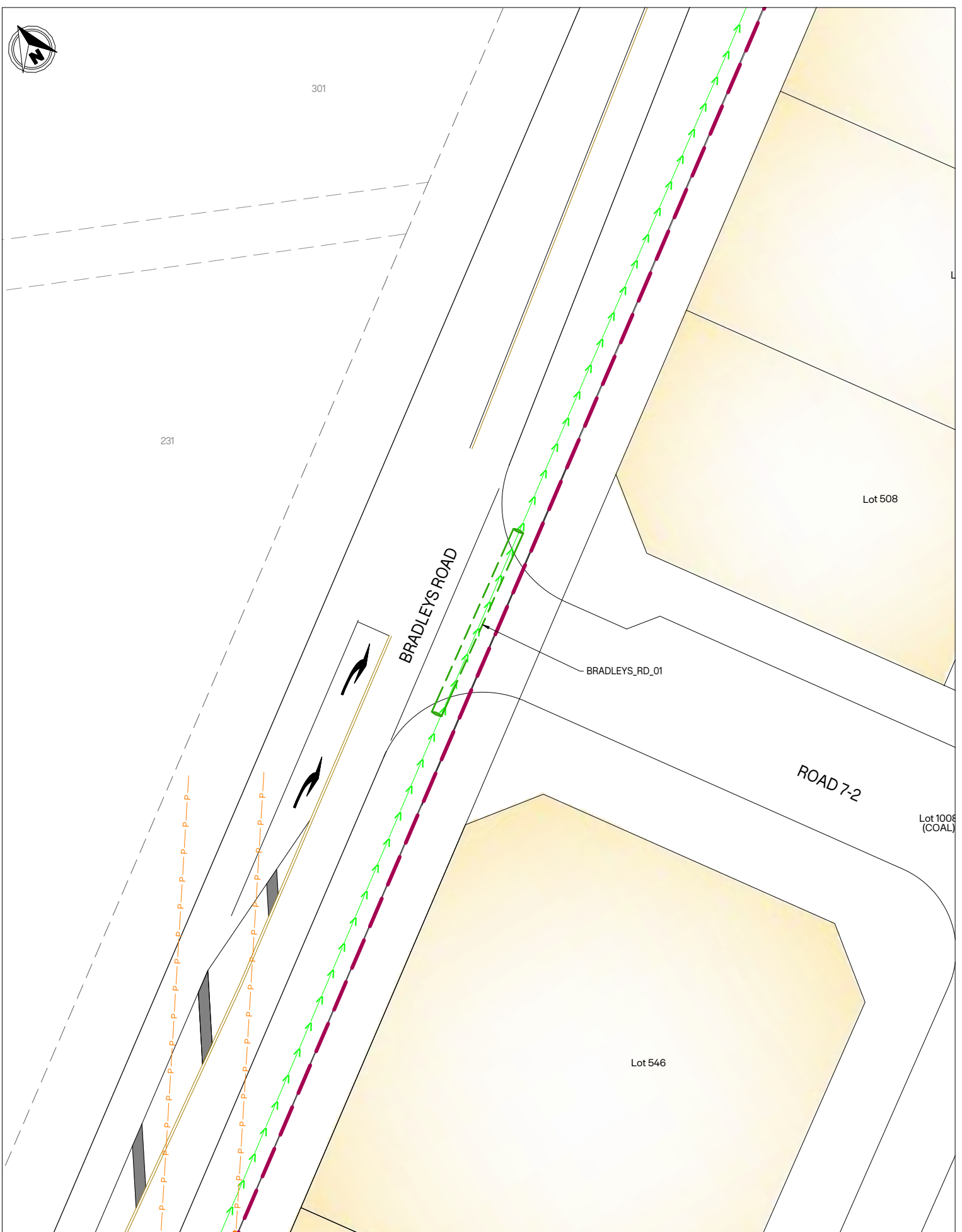
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE AS SHOWN REVISION

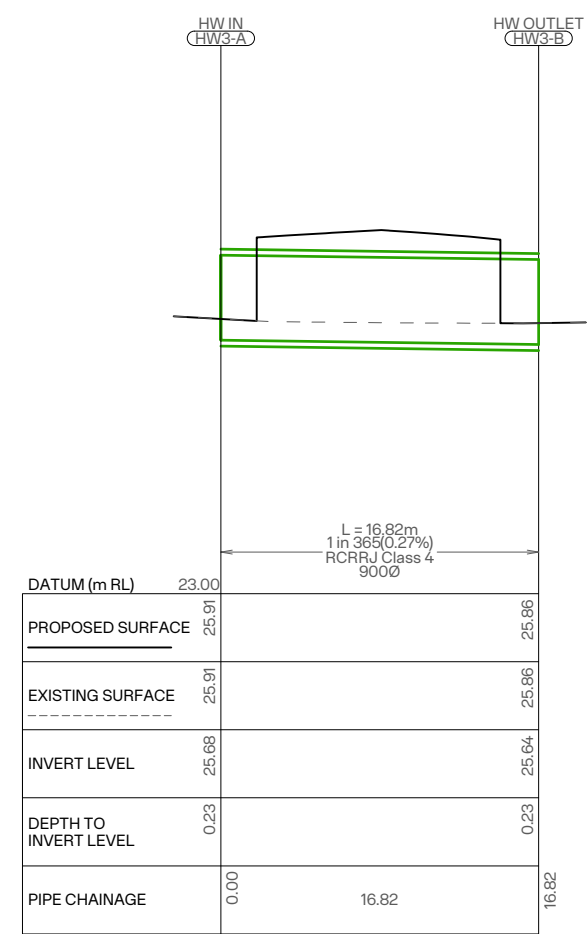
STATUS **FOR CONSENT**

PROJECT **16013** **B**

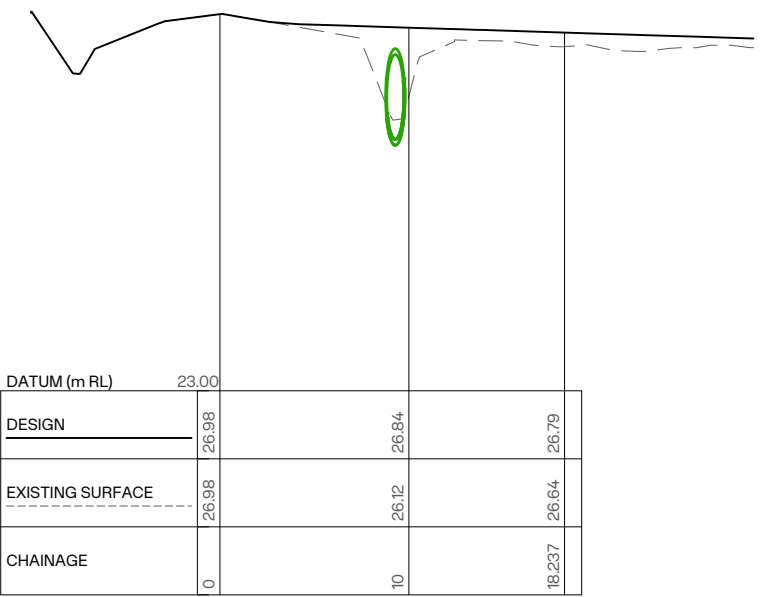
DWG NO **16013-00-RC-4402**



BRADLEYS_RD_01 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



BRADLEYS_RD_01 - LONGITUDINAL SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



BRADLEYS_RD_01 - CROSS SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

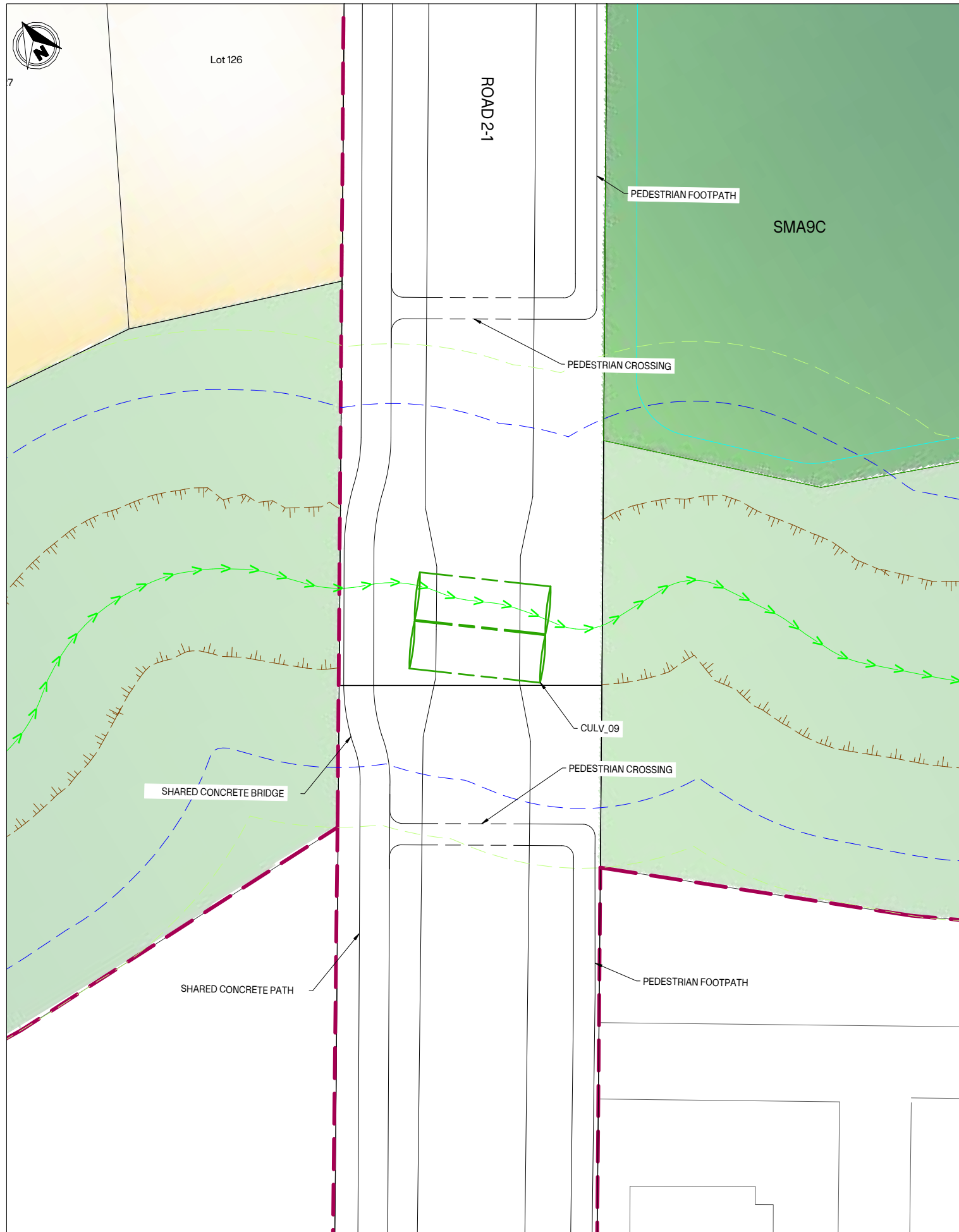
- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

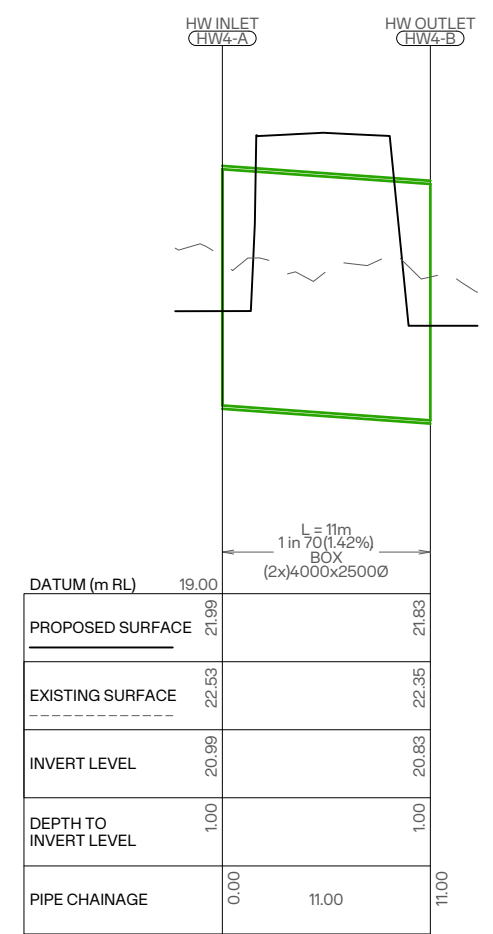
PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 3 OF 13**

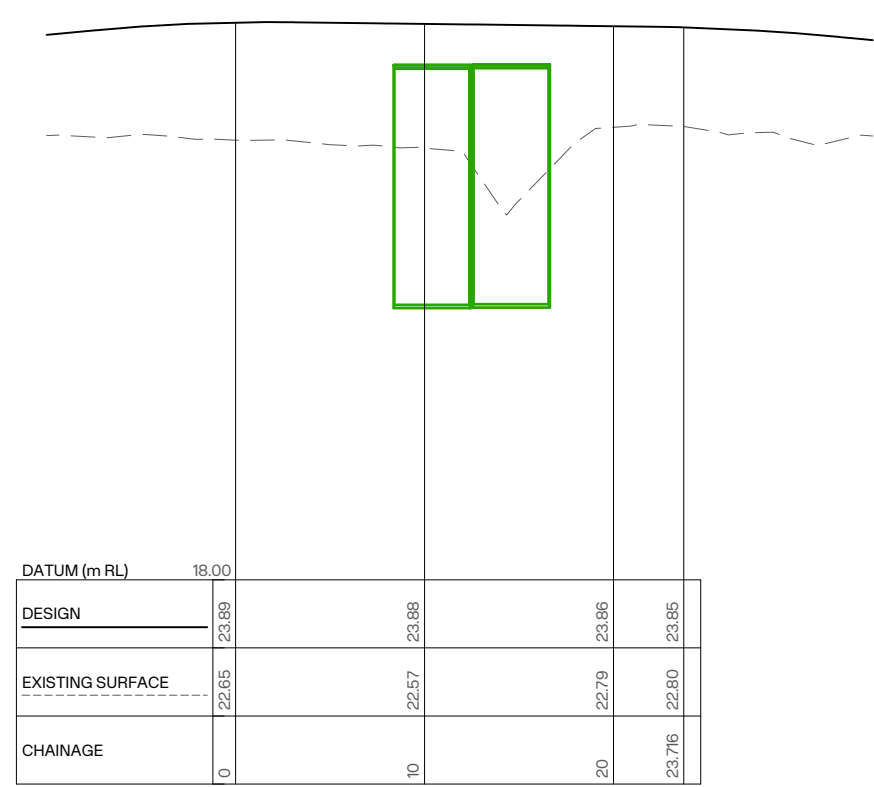
| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4403 | |



CULV_08 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_09 - LONGITUDINAL SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



CULV_09 - CROSS SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
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 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

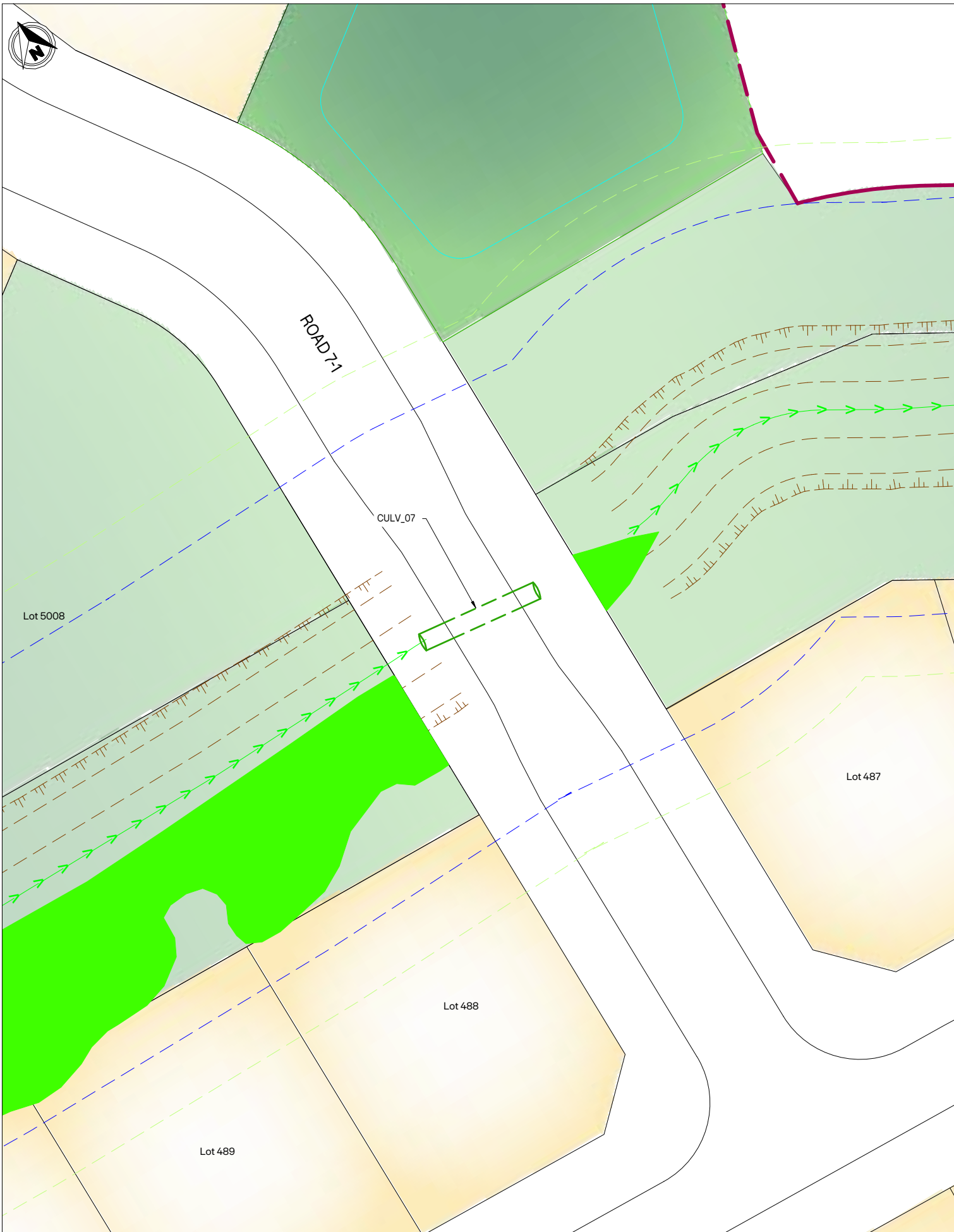
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

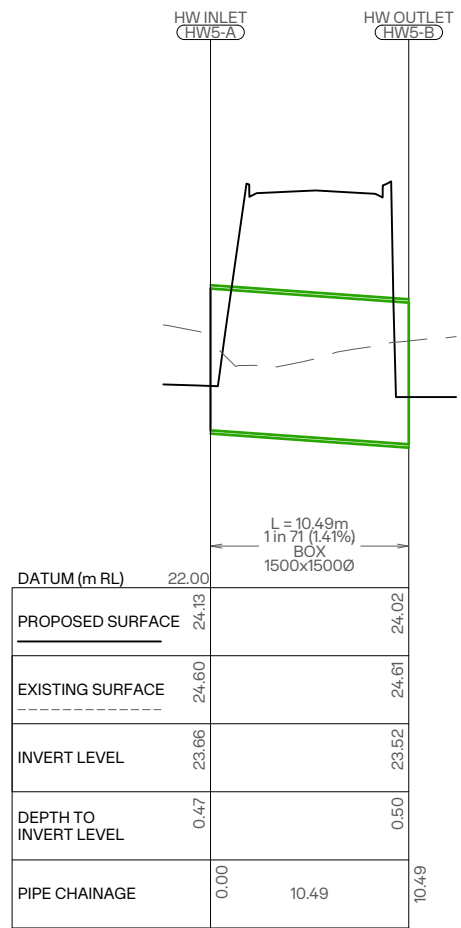
DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 4 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

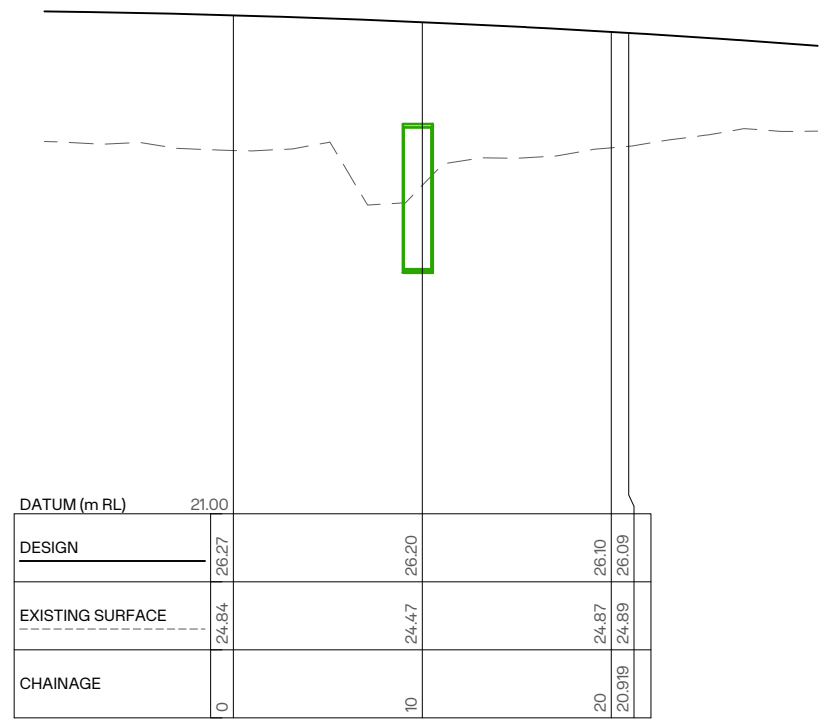
| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4404 | |



CULV_07 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_07 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



CULV_07 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

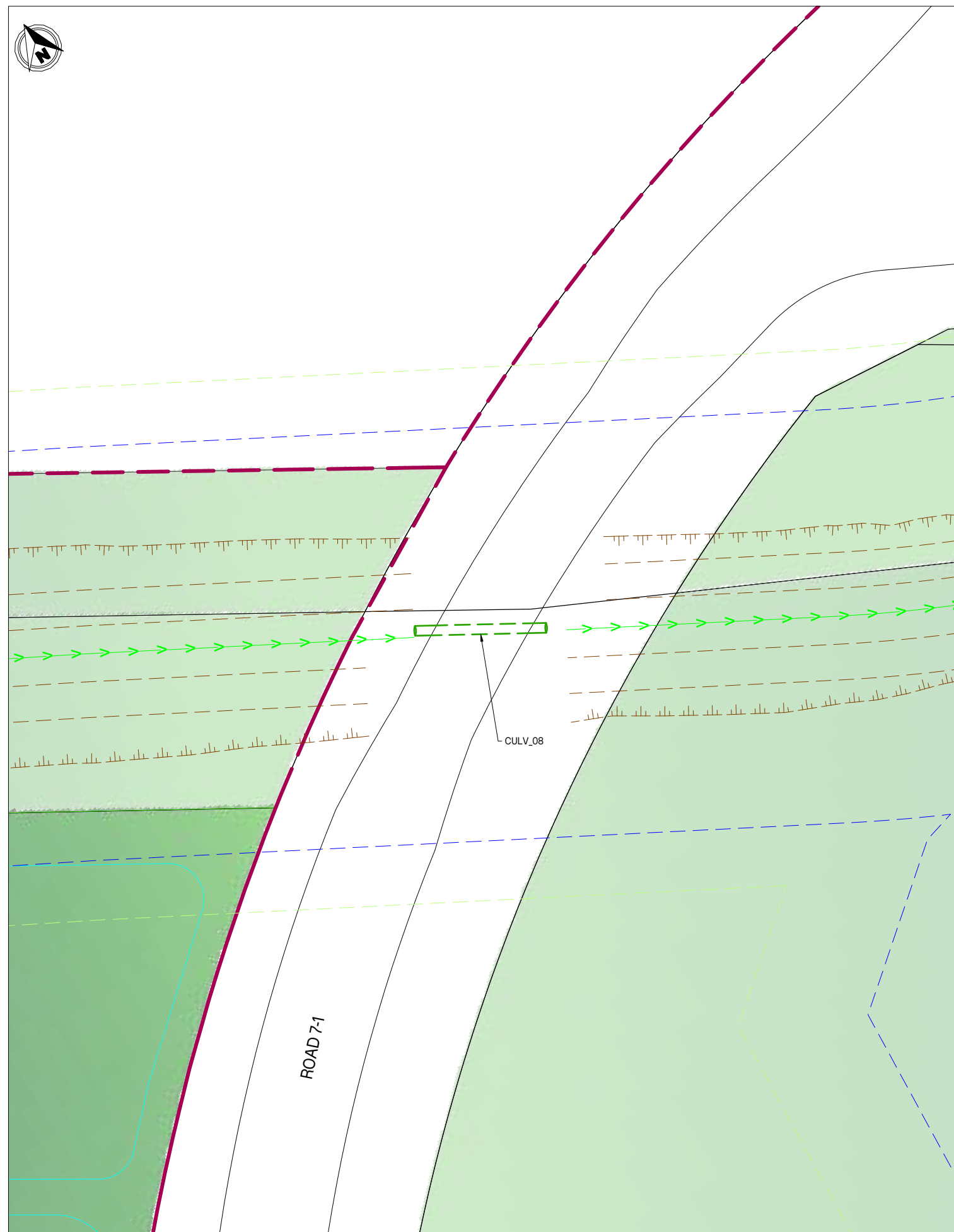
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|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

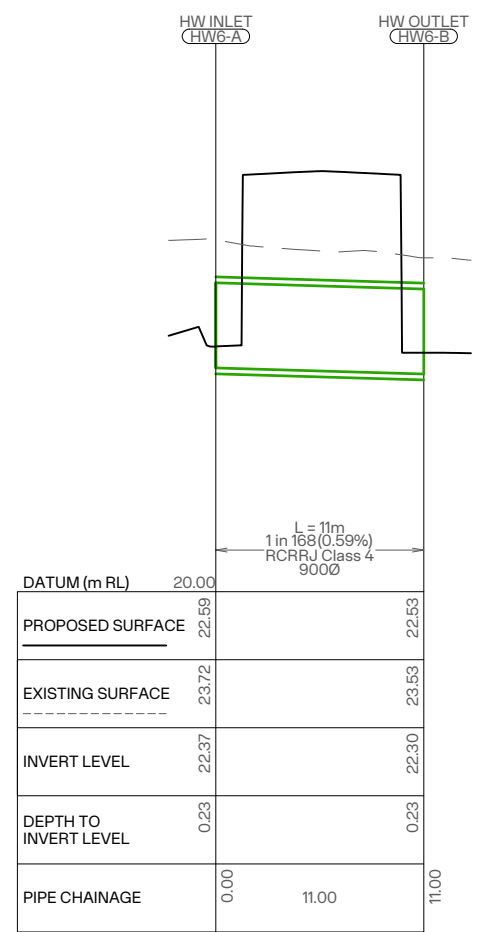
DESCRIPTION: **STORMWATER
CULVERT LAYOUT PLAN
SHEET 5 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

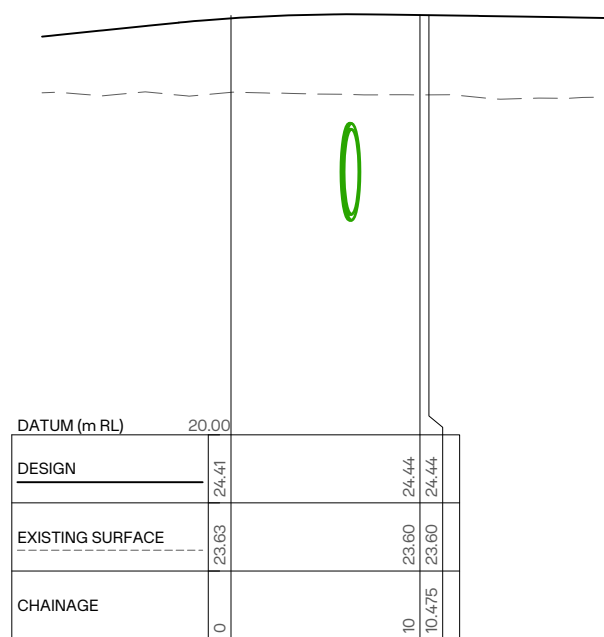
| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4405 | |



CULV_08 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_08 - LONGITUDINAL SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



CULV_08 - CROSS SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



NOTES:

- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
- HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
- FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
- FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- EXISTING OVERHEAD POWER LINE
- RESIDENTIAL LOTS
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- WETLAND - EXISTING
- CELLPHONE TOWER
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 6 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE AS SHOWN REVISION

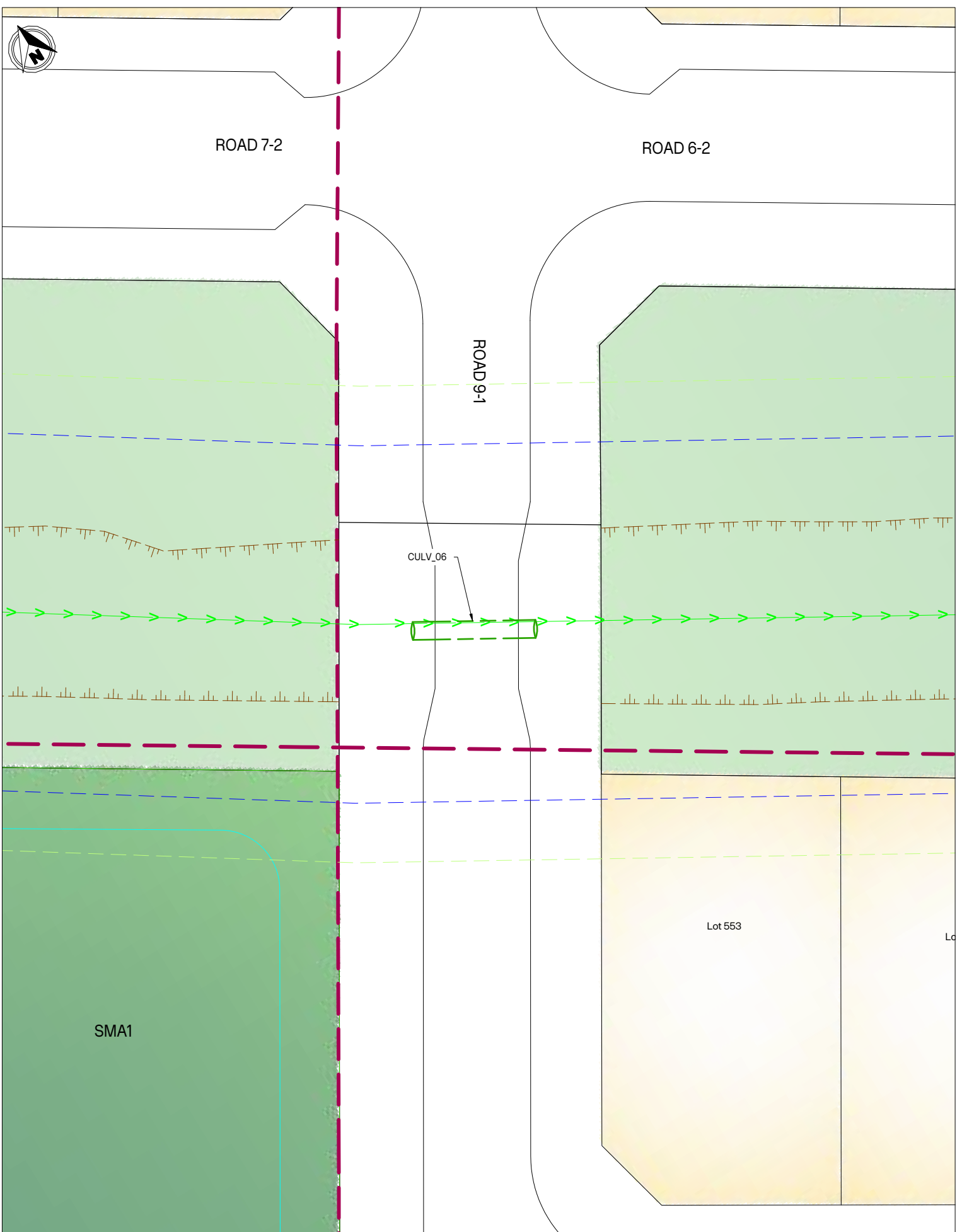
STATUS **FOR CONSENT**

PROJECT **16013**

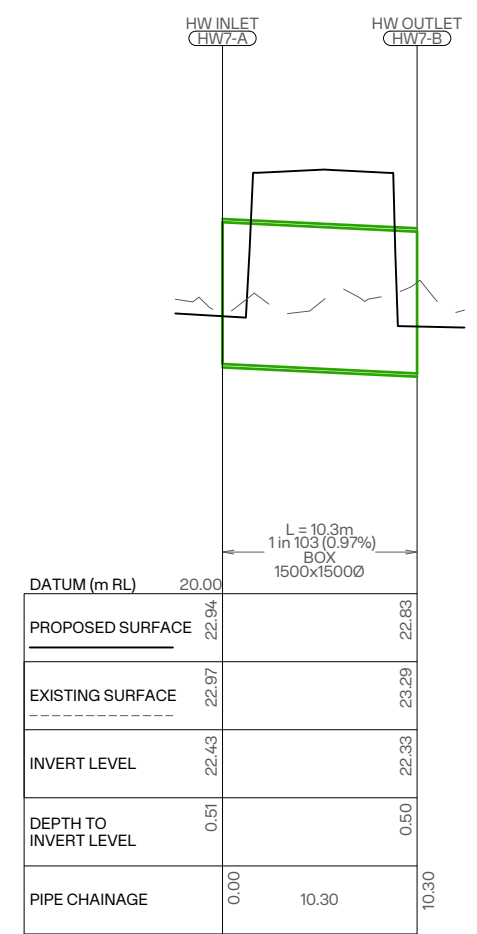
DWG NO **16013-00-RC-4406**

Synergy Version:

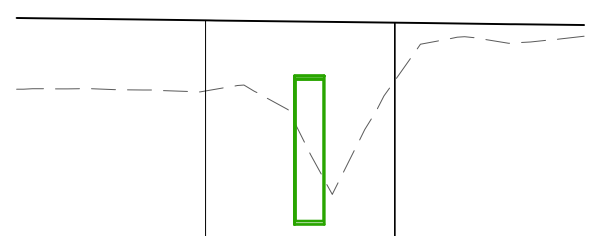
Plot Date: 15/03/26 9 June 2026 ADMINMANUX



CULV_06 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_06 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



| | | | |
|------------------|-------|-------|--------|
| DATUM (m RL) | 20.00 | | |
| DESIGN | 24.50 | 24.48 | 24.48 |
| EXISTING SURFACE | 23.75 | 23.86 | 23.87 |
| CHAINAGE | 0 | 10 | 10.036 |

CULV_06 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 7 OF 13**

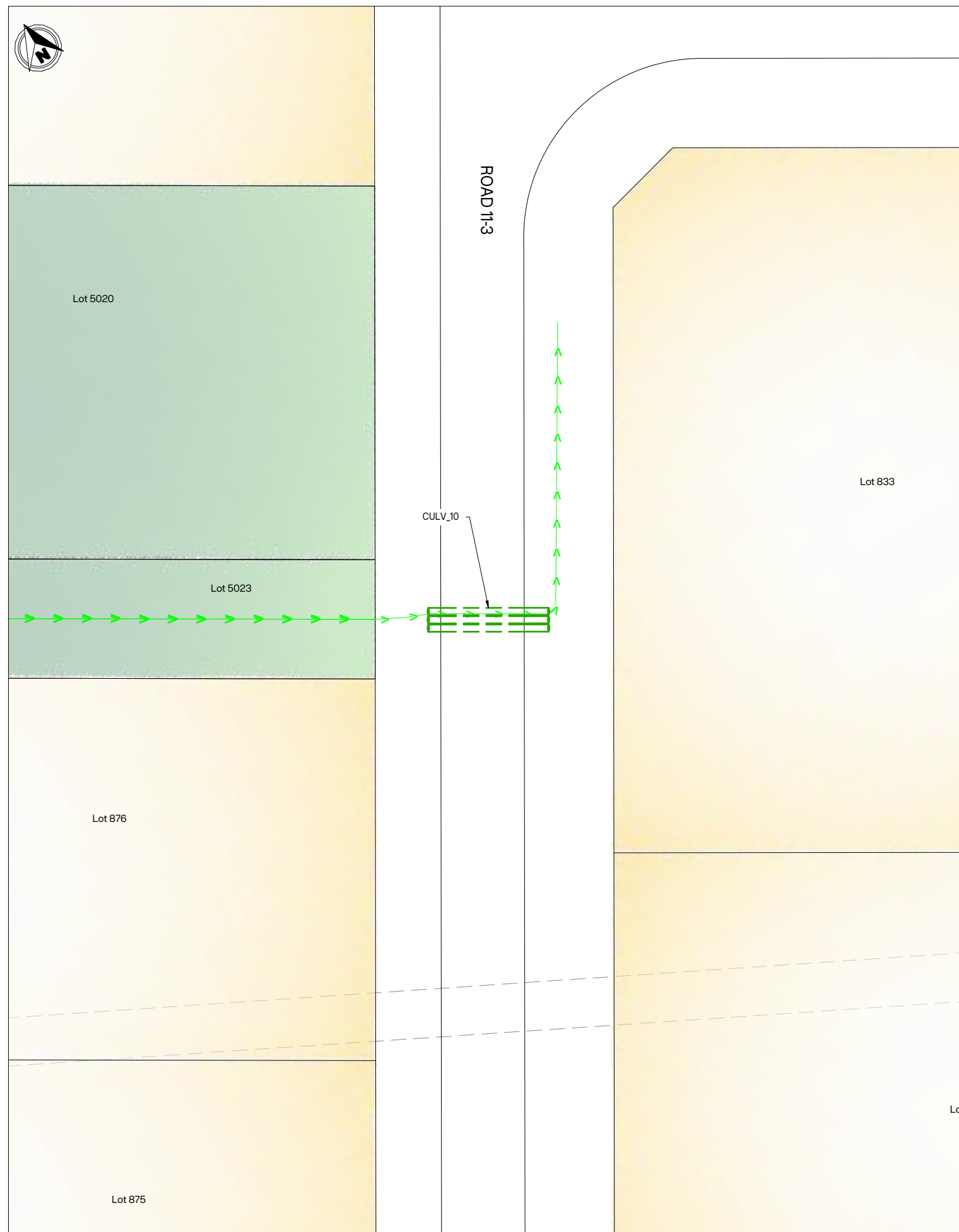
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE AS SHOWN REVISION

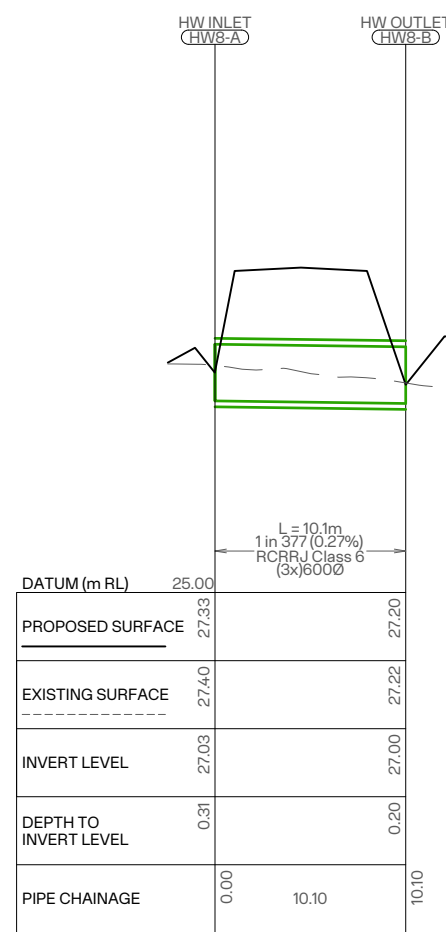
STATUS **FOR CONSENT** B

PROJECT **16013**

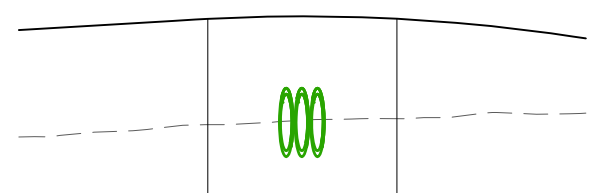
DWG NO **16013-00-RC-4407**



CULV_10 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_10 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



| | | | |
|------------------|-------|----|-------|
| DATUM (m RL) | 24.00 | | |
| DESIGN | 28.41 | | 28.41 |
| EXISTING SURFACE | 27.29 | | 27.35 |
| CHAINAGE | 0 | 10 | 10 |

CULV_10 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

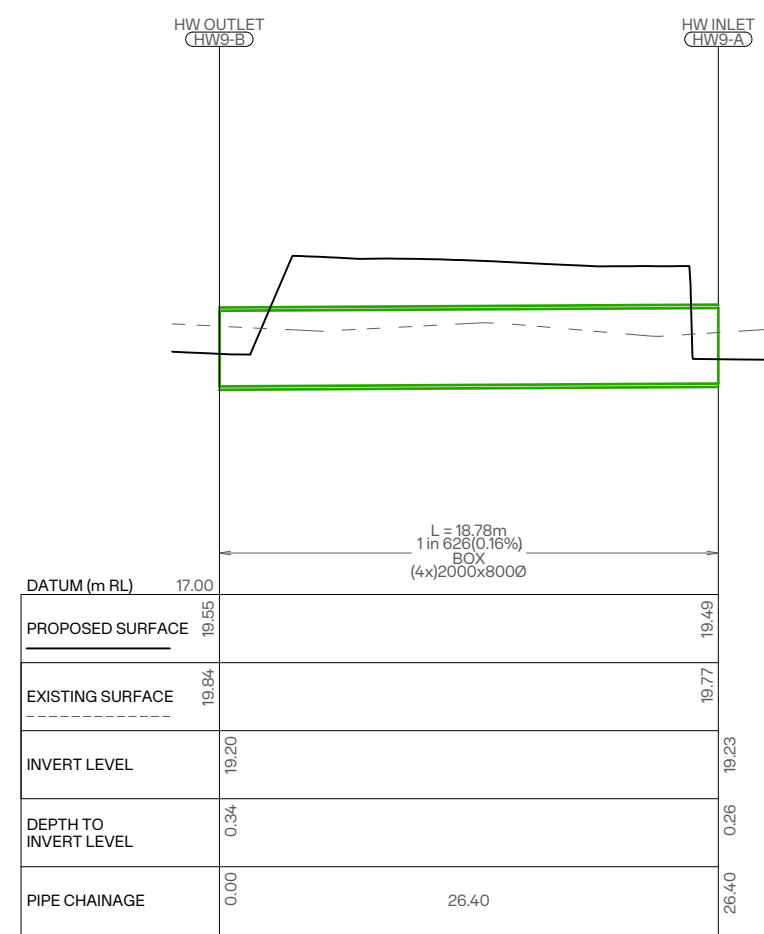
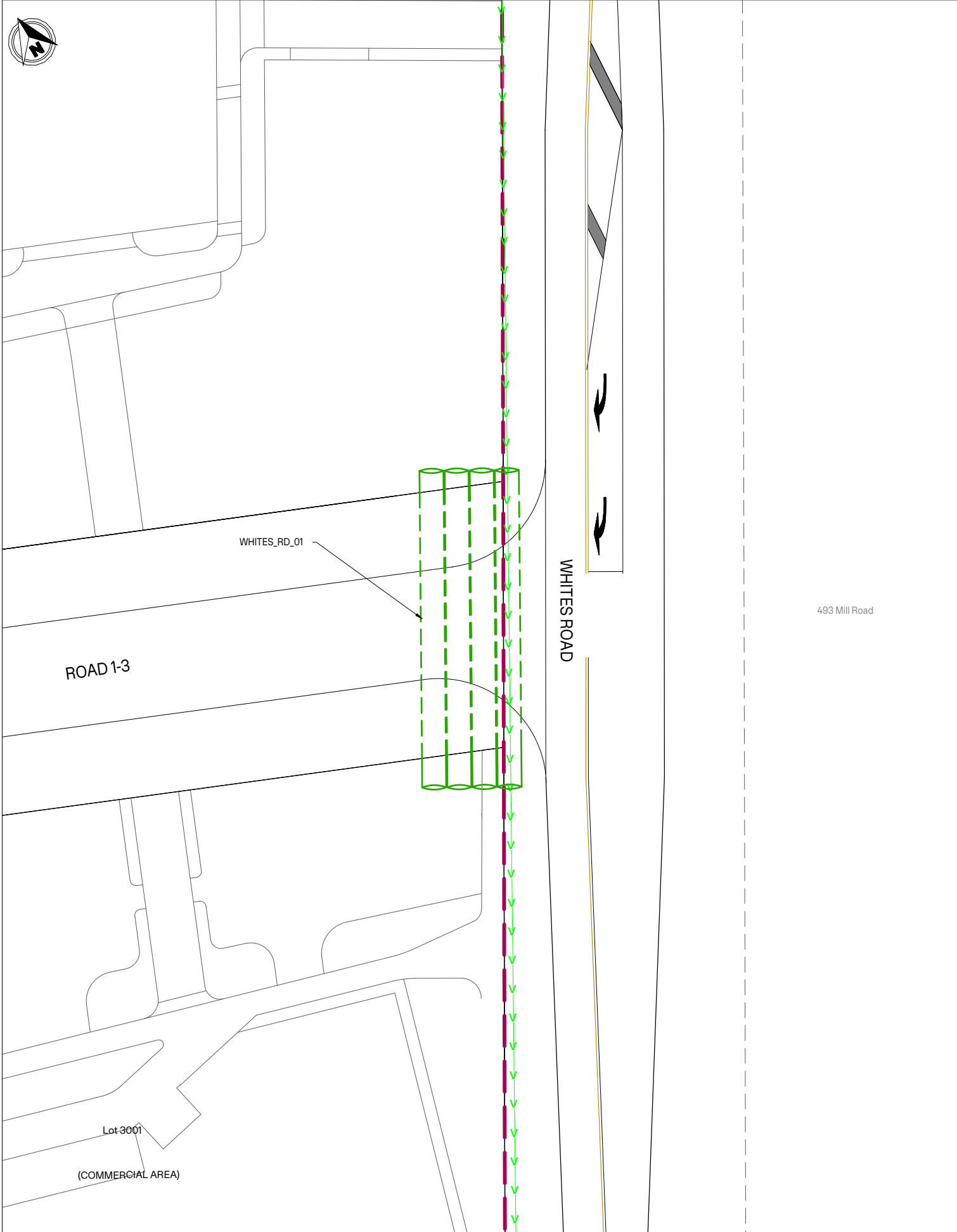
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

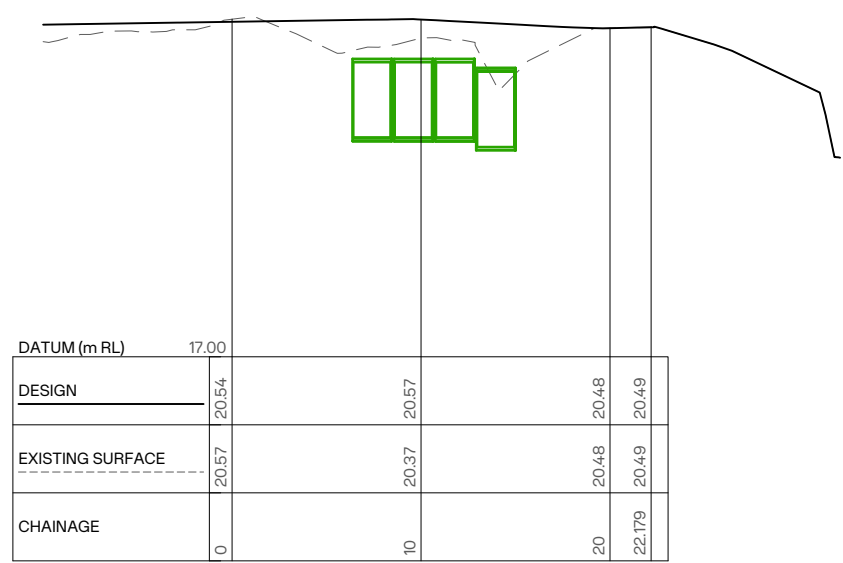
DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 8 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4408 | |



WHITES_RD_01 - LONGITUDINAL SECTION
SCALE H 1:200 V 1:40 @A1
H 1:400 V 1:80 @A3



WHITES_RD_01 - CROSS SECTION
SCALE H 1:200 V 1:40 @A1
H 1:400 V 1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

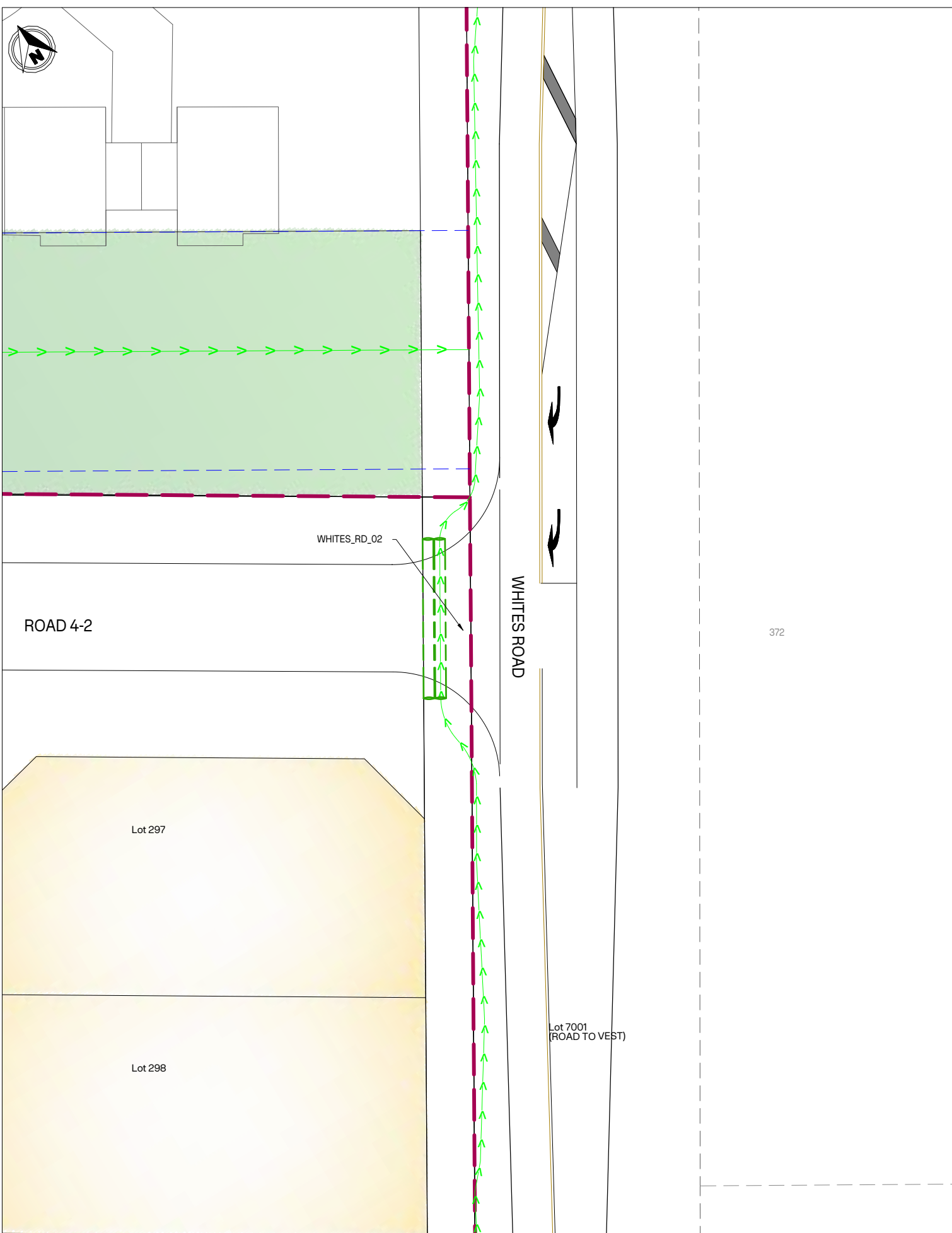
DESCRIPTION: **STORMWATER
CULVERT LAYOUT PLAN
SHEET 9 OF 13**

| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4409 | |

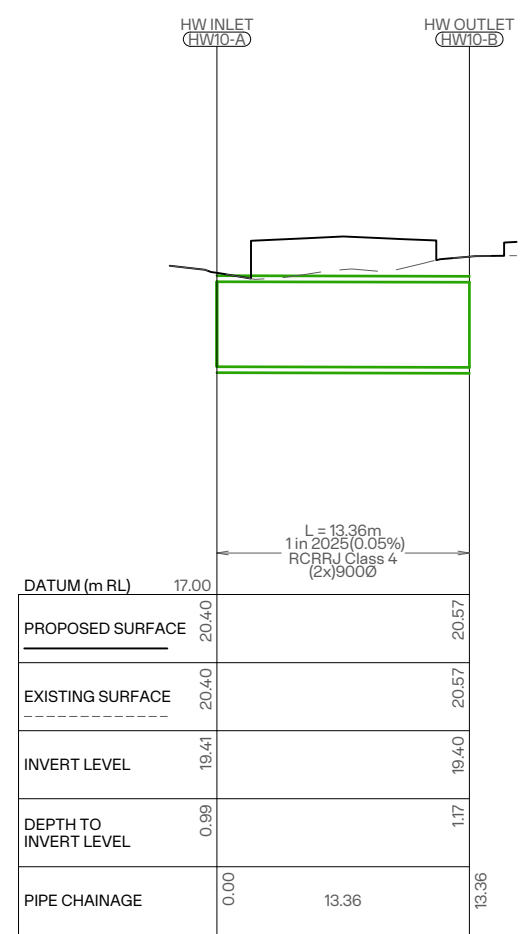


- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE



WHITES_RD_02 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



WHITES_RD_02 - LONGITUDINAL SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



WHITES_RD_02 - CROSS SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3

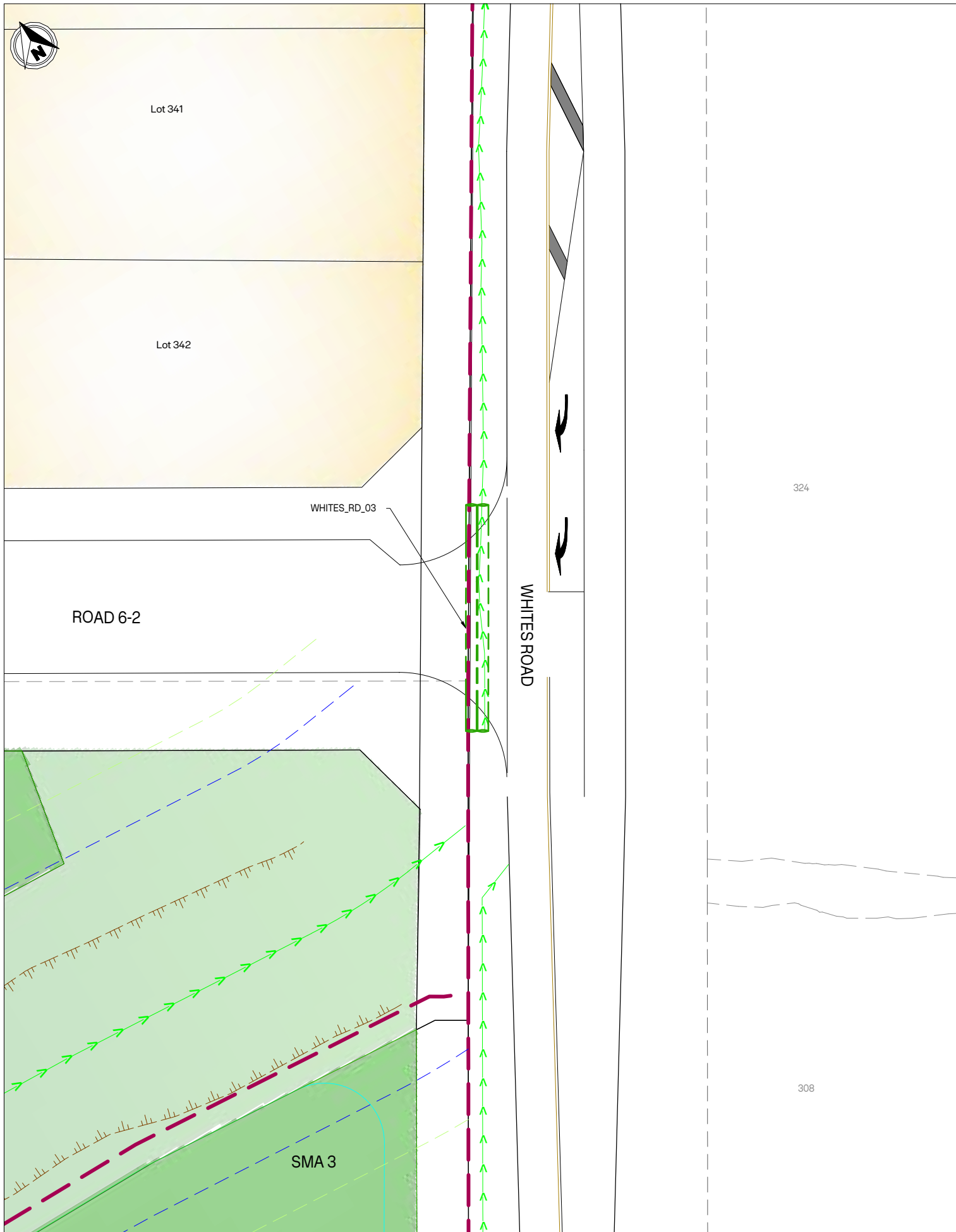
| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

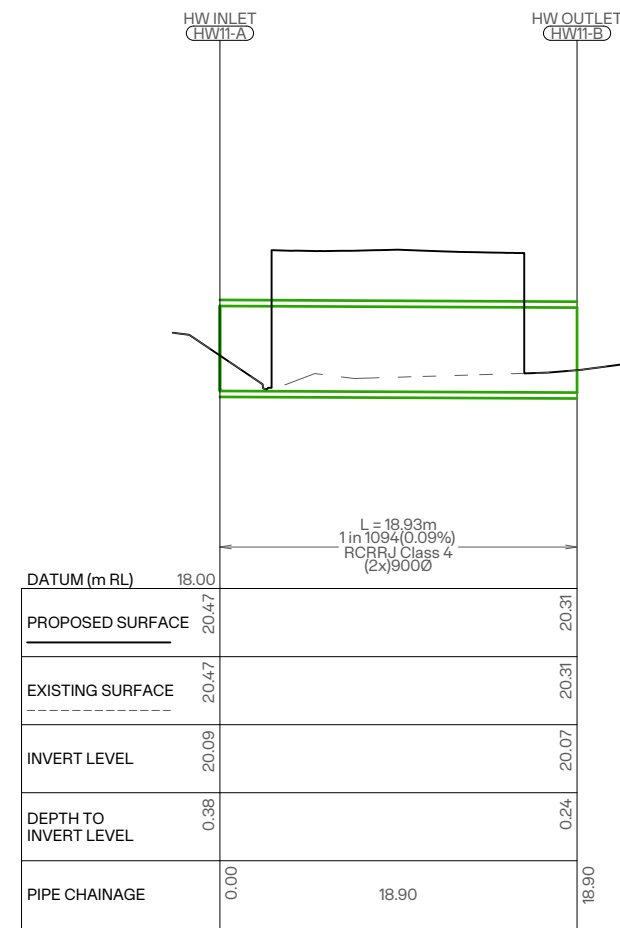
DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 10 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

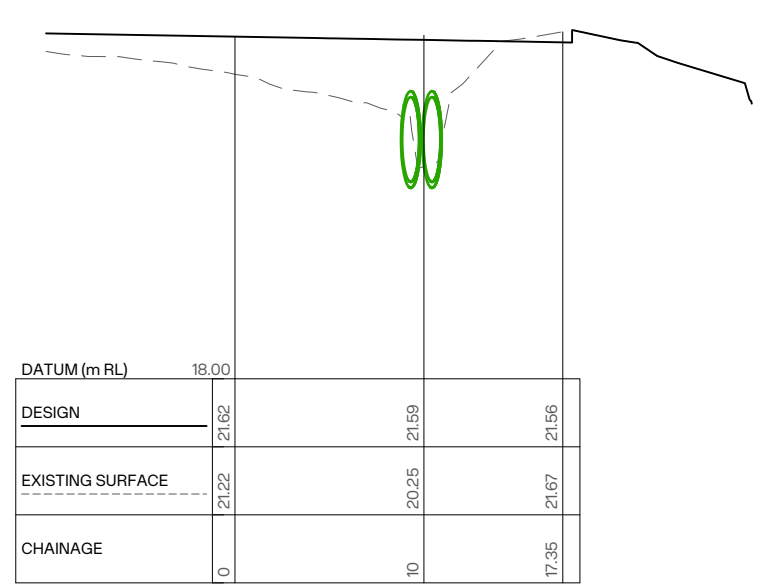
| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4410 | |



WHITES_RD_03 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



WHITES_RD_03 - LONGITUDINAL SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



WHITES_RD_03 - CROSS SECTION
SCALE H:1:200 V:1:40 @A1
H:1:400 V:1:80 @A3



NOTES:

- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
- HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
- FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
- FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- EXISTING OVERHEAD POWER LINE
- RESIDENTIAL LOTS
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- WETLAND - EXISTING
- CELLPHONE TOWER
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **STORMWATER
CULVERT LAYOUT PLAN
SHEET 11 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE: AS SHOWN REVISION:

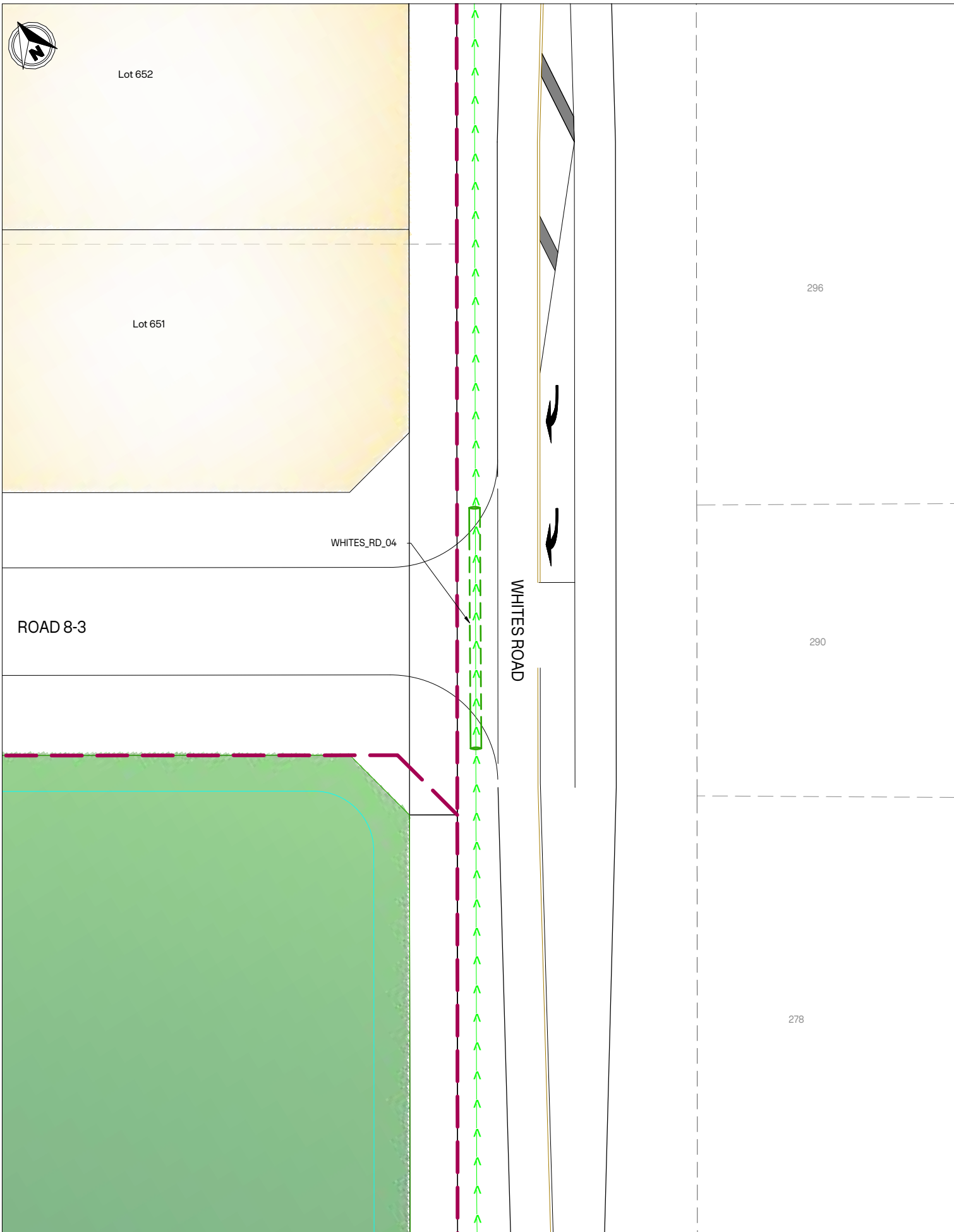
STATUS: **FOR CONSENT**

PROJECT: **16013**

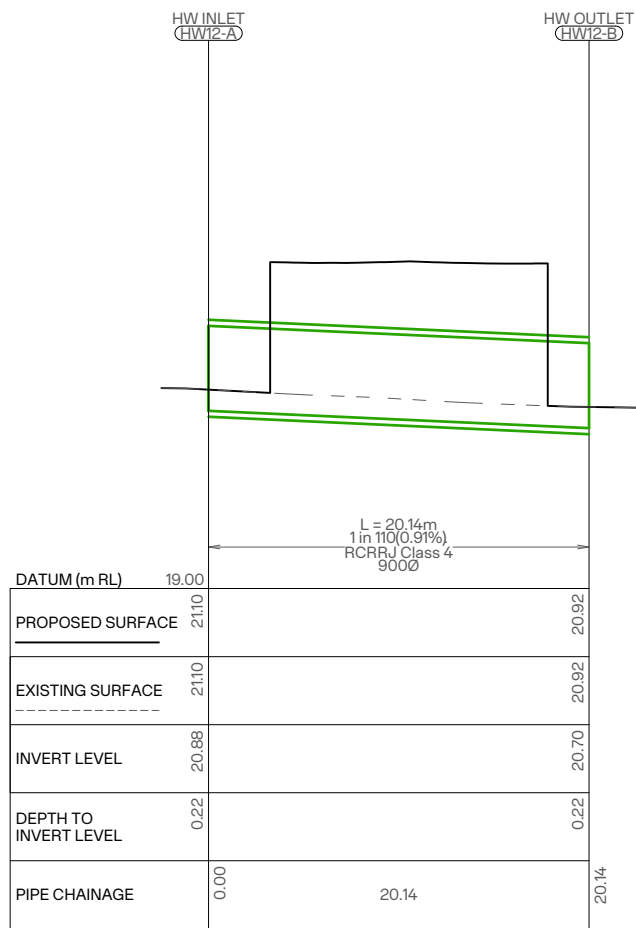
DWG NO: **16013-00-RC-4411**

Synergy Version:

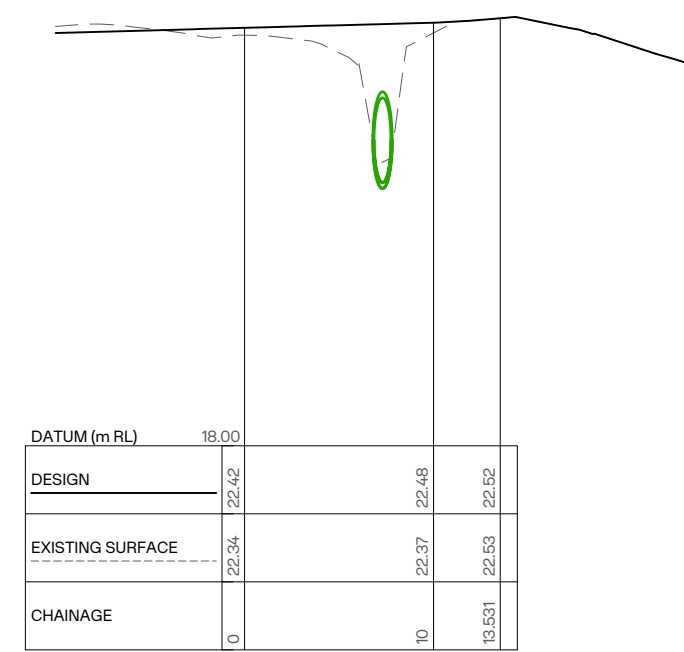
Plot Date: 15/03/2026, June 2026, ADMINMANUX



WHITES_RD_04 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



WHITES_RD_04 - LONGITUDINAL SECTION
SCALE H 1:200 V 1:40 @A1
H 1:400 V 1:80 @A3



WHITES_RD_04 - CROSS SECTION
SCALE H 1:200 V 1:40 @A1
H 1:400 V 1:80 @A3



- NOTES:**
- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
 - HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
 - ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
 - FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
 - FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PROPOSED LOT BOUNDARY
 - BANK TOP
 - CHANNEL TOP
 - FLOW PATH
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - EXISTING OVERHEAD POWER LINE
 - RESIDENTIAL LOTS
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - WETLAND - EXISTING
 - CELLPHONE TOWER
 - STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 12 OF 13**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4412 | |



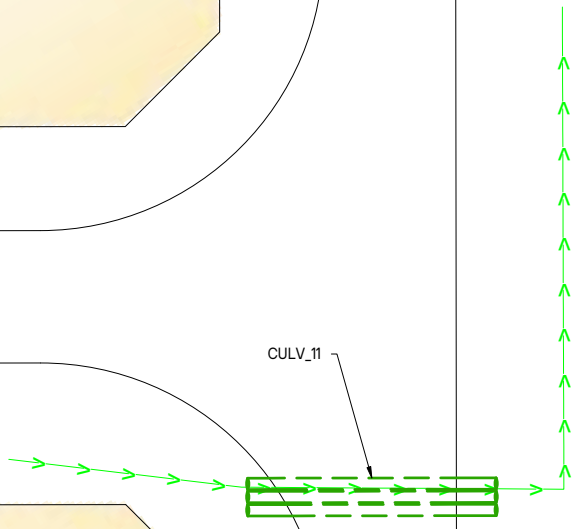
Lot 825

Lot 5021

ROAD 9-1

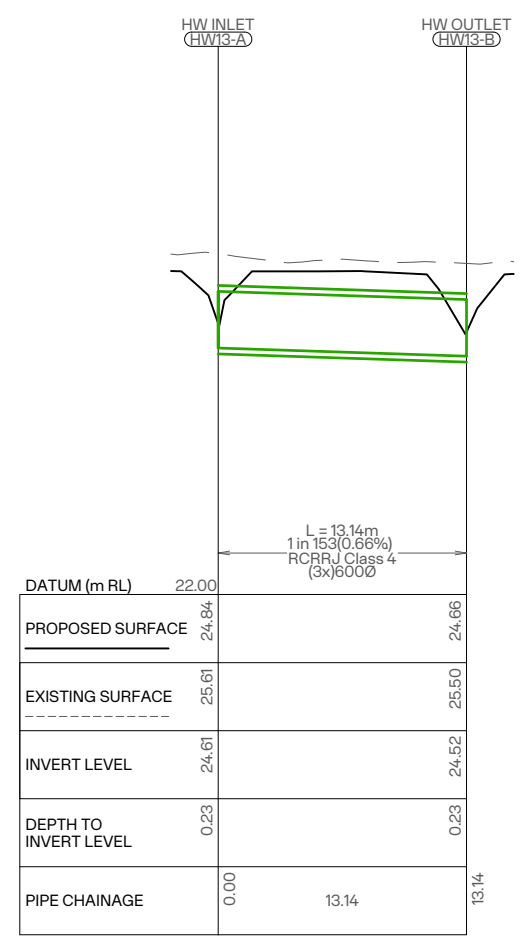
ROAD 11-1

CULV_11

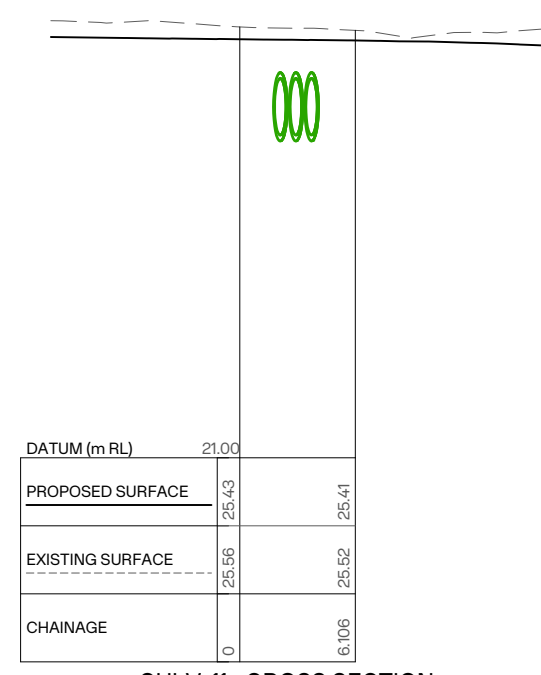


Lot 826

CULV_11 - PLAN VIEW
SCALE: 1:200 @A1
1:400 @A3



CULV_11 - LONGITUDINAL SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



CULV_11 - CROSS SECTION
SCALE H1:200 V1:40 @A1
H1:400 V1:80 @A3



NOTES:

- EXISTING GROUND SURFACE CREATED FROM WAIMAKARIRI DISTRICT COUNCIL (WDC) LIDAR DATA.
- HEIGHTS IN TERMS OF NEW ZEALAND VERTICAL DATUM (NZVD) 2016.
- ALL FOOTPATHS TO BE ON SEPARATE SINGLE SPAN BRIDGES.
- FINAL CULVERT DESIGN IS SUBJECT TO FURTHER STREAM SURVEYS, FLOOD MODELING AND WATERWAY DESIGN.
- FINAL CULVERT DESIGN TO COMPLY WITH FISH PASSAGE STANDARDS, WITH THE EXCEPTION OF CULVERT LENGTH.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- BANK TOP
- CHANNEL TOP
- FLOW PATH
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- p—p— EXISTING OVERHEAD POWER LINE
- RESIDENTIAL LOTS
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- WETLAND - EXISTING
- CELLPHONE TOWER
- STORMWATER MANAGEMENT AREA OUTLET STRUCTURE

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 25/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION:
**STORMWATER
CULVERT LAYOUT PLAN
SHEET 13 OF 13**

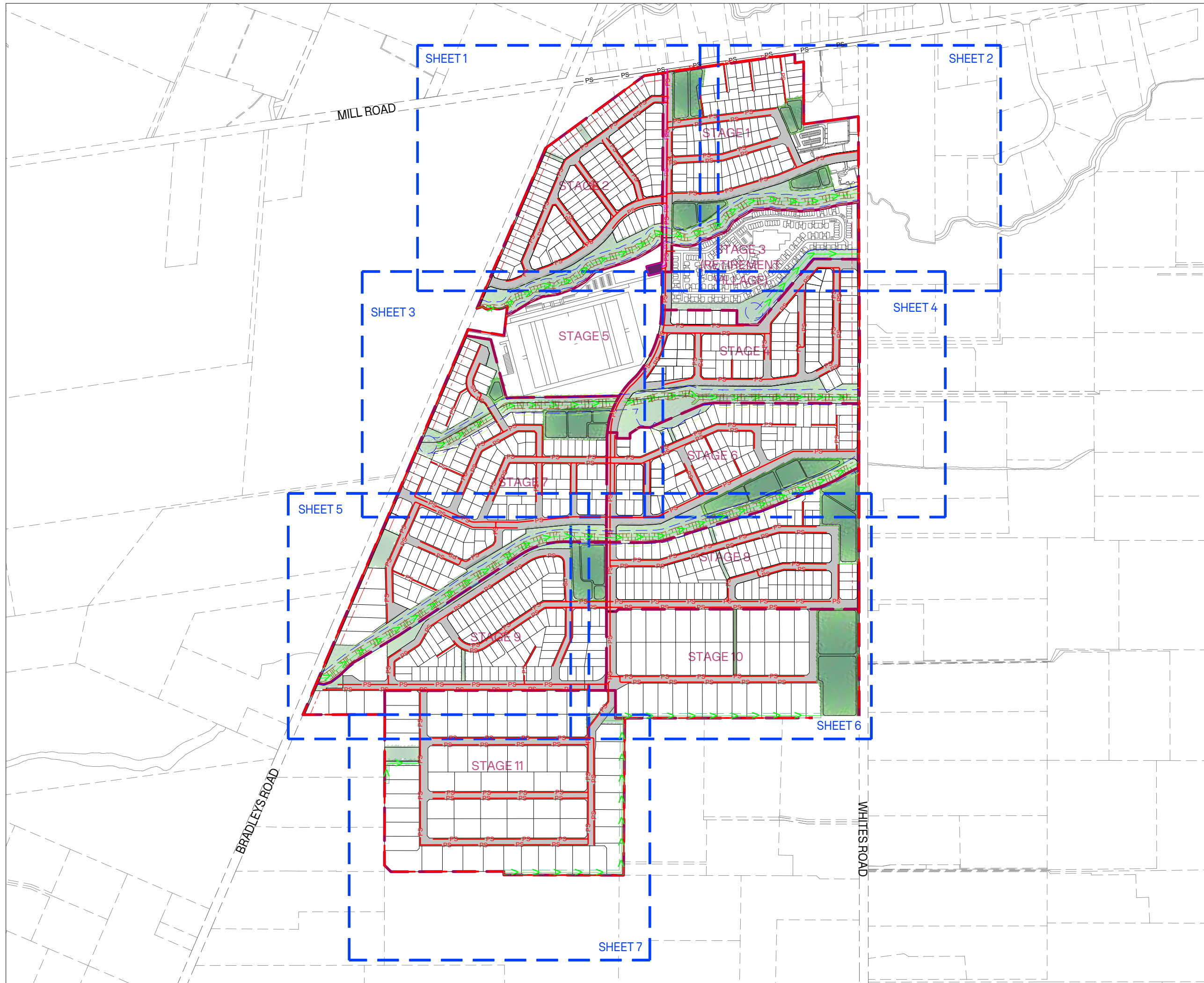
| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AO | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | |
|---------|------------------|----------|
| SCALE | AS SHOWN | REVISION |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-4413 | |



- NOTES:**
1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
 2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
 3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - PR WASTEWATER PUMP STATION
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - EX WASTEWATER
 - PR WASTEWATER - LPS
 - PR WASTEWATER - PRESSURE MAIN



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
WASTEWATER OVERALL PLAN

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5000 | | |

0 80 200 400 SCALE (m) 1:4000 @A1 1:8000 @A3



NOTES:

1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- EX WASTEWATER
- PR WASTEWATER - LPS
- PR WASTEWATER - PRESSURE MAIN



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WASTEWATER PLAN
SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5001 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

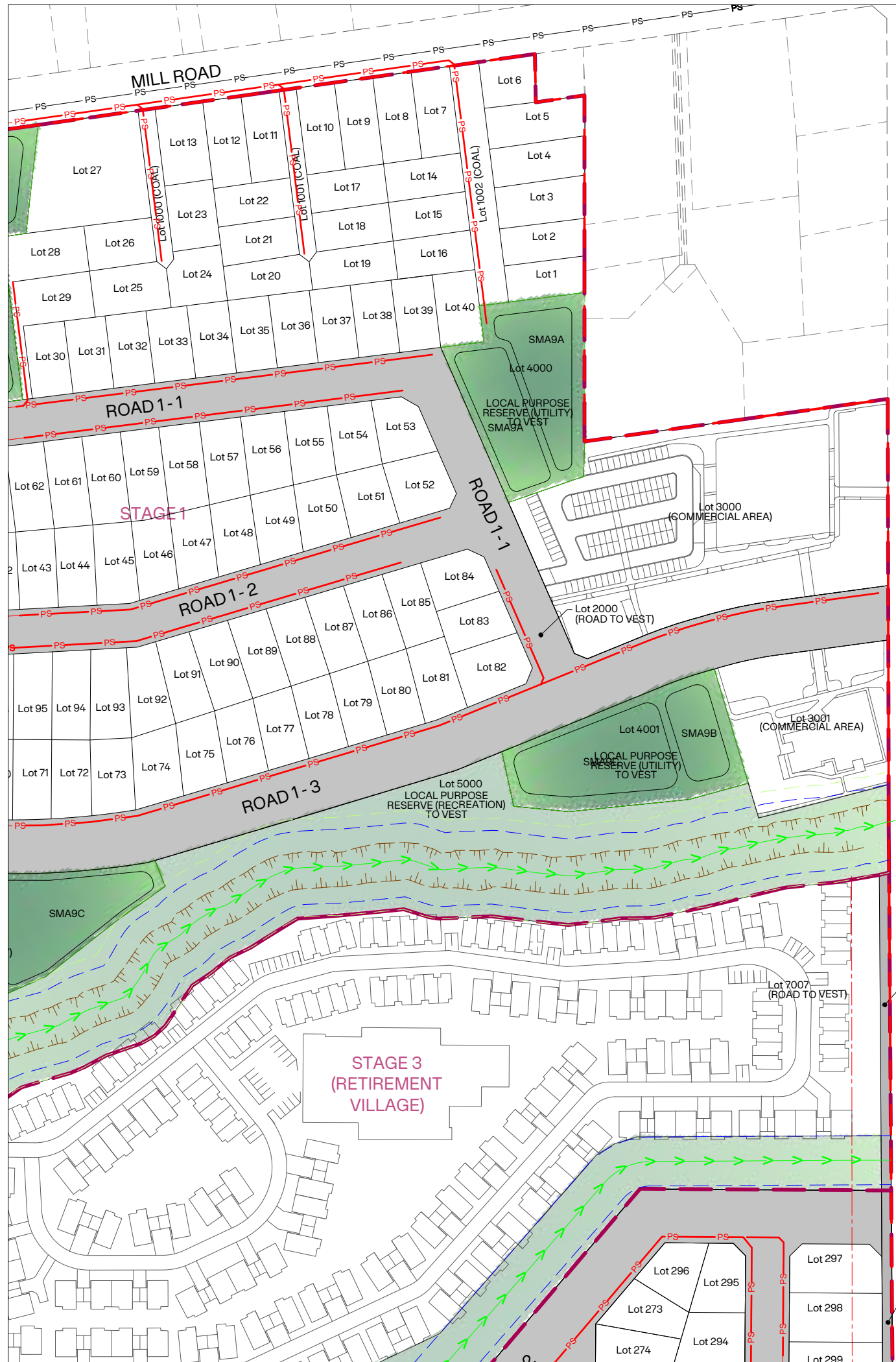


NOTES:

1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- EX WASTEWATER
- PR WASTEWATER - LPS
- PR WASTEWATER - PRESSURE MAIN



WHITES ROAD

| | | | |
|------------------|-----------------------------------|----|------------|
| | | | |
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**WASTEWATER PLAN
 SHEET 2 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | KC | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5002 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

Plot Date: 15/04/23 9:06:23 AM, June 2026, ADMINMANUX



- NOTES:**
1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
 2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
 3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - PR WASTEWATER PUMP STATION
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - EX WASTEWATER
 - PR WASTEWATER - LPS
 - PR WASTEWATER - PRESSURE MAIN



| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
|------------------|-----------------------------------|----|------------|
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WASTEWATER PLAN
SHEET 3 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5003 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
 2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
 3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - PR WASTEWATER PUMP STATION
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - EX WASTEWATER
 - PR WASTEWATER - LPS
 - PR WASTEWATER - PRESSURE MAIN



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**WASTEWATER PLAN
 SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5004 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



- NOTES:**
1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
 2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
 3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - PR WASTEWATER PUMP STATION
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - EX WASTEWATER
 - PR WASTEWATER - LPS
 - PR WASTEWATER - PRESSURE MAIN



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WASTEWATER PLAN
SHEET 5 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

SCALE: 1:1000 @A1, 1:2000 @A3
 STATUS: **FOR CONSENT**
 PROJECT: **16013**

DWG NO: **16013-00-RC-5005**





NOTES:

1. ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
2. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
3. WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PR LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- EX WASTEWATER
- PR WASTEWATER - LPS
- PR WASTEWATER - PRESSURE MAIN



WHITESROAD

ROAD 10 - 1

ROAD 9 - 1

ROAD 8 - 1

ROAD 8 - 2

ROAD 8 - 3

ROAD 6 - 2

ROAD 2004 (ROAD TO VEST)

ROAD 2005 (ROAD TO VEST)

ROAD 2006 (ROAD TO VEST)

ROAD 2007 (ROAD TO VEST)

ROAD 2008 (ROAD TO VEST)

ROAD 2009 (ROAD TO VEST)

ROAD 2010 (ROAD TO VEST)

ROAD 2011 (ROAD TO VEST)

ROAD 2012 (ROAD TO VEST)

ROAD 2013 (ROAD TO VEST)

ROAD 2014 (ROAD TO VEST)

ROAD 2015 (ROAD TO VEST)

ROAD 2016 (ROAD TO VEST)

ROAD 2017 (ROAD TO VEST)

ROAD 2018 (ROAD TO VEST)

ROAD 2019 (ROAD TO VEST)

ROAD 2020 (ROAD TO VEST)

ROAD 2021 (ROAD TO VEST)

ROAD 2022 (ROAD TO VEST)

ROAD 2023 (ROAD TO VEST)

ROAD 2024 (ROAD TO VEST)

ROAD 2025 (ROAD TO VEST)

ROAD 2026 (ROAD TO VEST)

ROAD 2027 (ROAD TO VEST)

ROAD 2028 (ROAD TO VEST)

ROAD 2029 (ROAD TO VEST)

ROAD 2030 (ROAD TO VEST)

ROAD 2031 (ROAD TO VEST)

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ROAD 2100 (ROAD TO VEST)

ROAD 2101 (ROAD TO VEST)

ROAD 2102 (ROAD TO VEST)

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ROAD 2116 (ROAD TO VEST)

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ROAD 2118 (ROAD TO VEST)

ROAD 2119 (ROAD TO VEST)

ROAD 2120 (ROAD TO VEST)

ROAD 2121 (ROAD TO VEST)

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ROAD 2210 (ROAD TO VEST)

ROAD 2211 (ROAD TO VEST)

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ROAD 2215 (ROAD TO VEST)

ROAD 2216 (ROAD TO VEST)

ROAD 2217 (ROAD TO VEST)

ROAD 2218 (ROAD TO VEST)

ROAD 2219 (ROAD TO VEST)

ROAD 2220 (ROAD TO VEST)

ROAD 2221 (ROAD TO VEST)

ROAD 2222 (ROAD TO VEST)

ROAD 2223 (ROAD TO VEST)

ROAD 2224 (ROAD TO VEST)

ROAD 2225 (ROAD TO VEST)

ROAD 2226 (ROAD TO VEST)

ROAD 2227 (ROAD TO VEST)

ROAD 2228 (ROAD TO VEST)

ROAD 2229 (ROAD TO VEST)

ROAD 2230 (ROAD TO VEST)

ROAD 2231 (ROAD TO VEST)

ROAD 2232 (ROAD TO VEST)

ROAD 2233 (ROAD TO VEST)

ROAD 2234 (ROAD TO VEST)

ROAD 2235 (ROAD TO VEST)

ROAD 2236 (ROAD TO VEST)

ROAD 2237 (ROAD TO VEST)

ROAD 2238 (ROAD TO VEST)

ROAD 2239 (ROAD TO VEST)

ROAD 2240 (ROAD TO VEST)

ROAD 2241 (ROAD TO VEST)

ROAD 2242 (ROAD TO VEST)

ROAD 2243 (ROAD TO VEST)

ROAD 2244 (ROAD TO VEST)

ROAD 2245 (ROAD TO VEST)

ROAD 2246 (ROAD TO VEST)

ROAD 2247 (ROAD TO VEST)

ROAD 2248 (ROAD TO VEST)

ROAD 2249 (ROAD TO VEST)

ROAD 2250 (ROAD TO VEST)

ROAD 2251 (ROAD TO VEST)

ROAD 2252 (ROAD TO VEST)

ROAD 2253 (ROAD TO VEST)

ROAD 2254 (ROAD TO VEST)

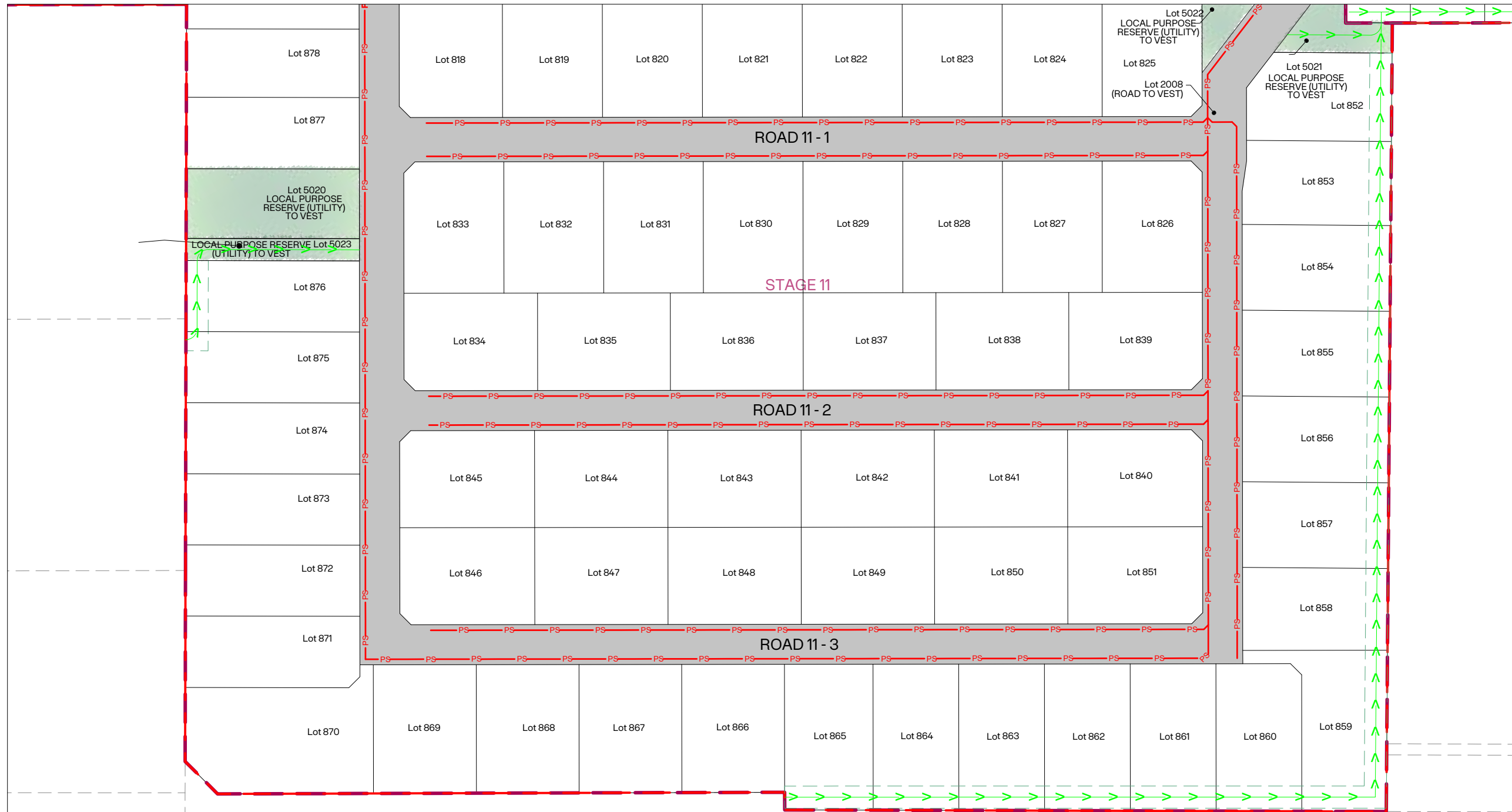
ROAD 2255 (ROAD TO VEST)

ROAD 2



- NOTES:**
- ALL WORKS TO BE DONE IN ACCORDANCE WITH WDC ECOP.
 - SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
 - WASTEWATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.

- LEGEND:**
- STAGE BOUNDARY
 - ABUTTAL BOUNDARY
 - PR LOT BOUNDARY
 - PR ROAD
 - PR WASTEWATER PUMP STATION
 - BANK TOP
 - FLOW PATH
 - GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
 - MINIMUM RIPARIAN ENHANCEMENT SETBACK
 - 15m LANDSCAPING STRIP SETBACK
 - STORMWATER MANAGEMENT AREA
 - RESERVE / WALKWAYS
 - EX WASTEWATER
 - PR WASTEWATER - LPS
 - PR WASTEWATER - PRESSURE MAIN



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**WASTEWATER PLAN
 SHEET 7 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | KC | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-5007 | | |



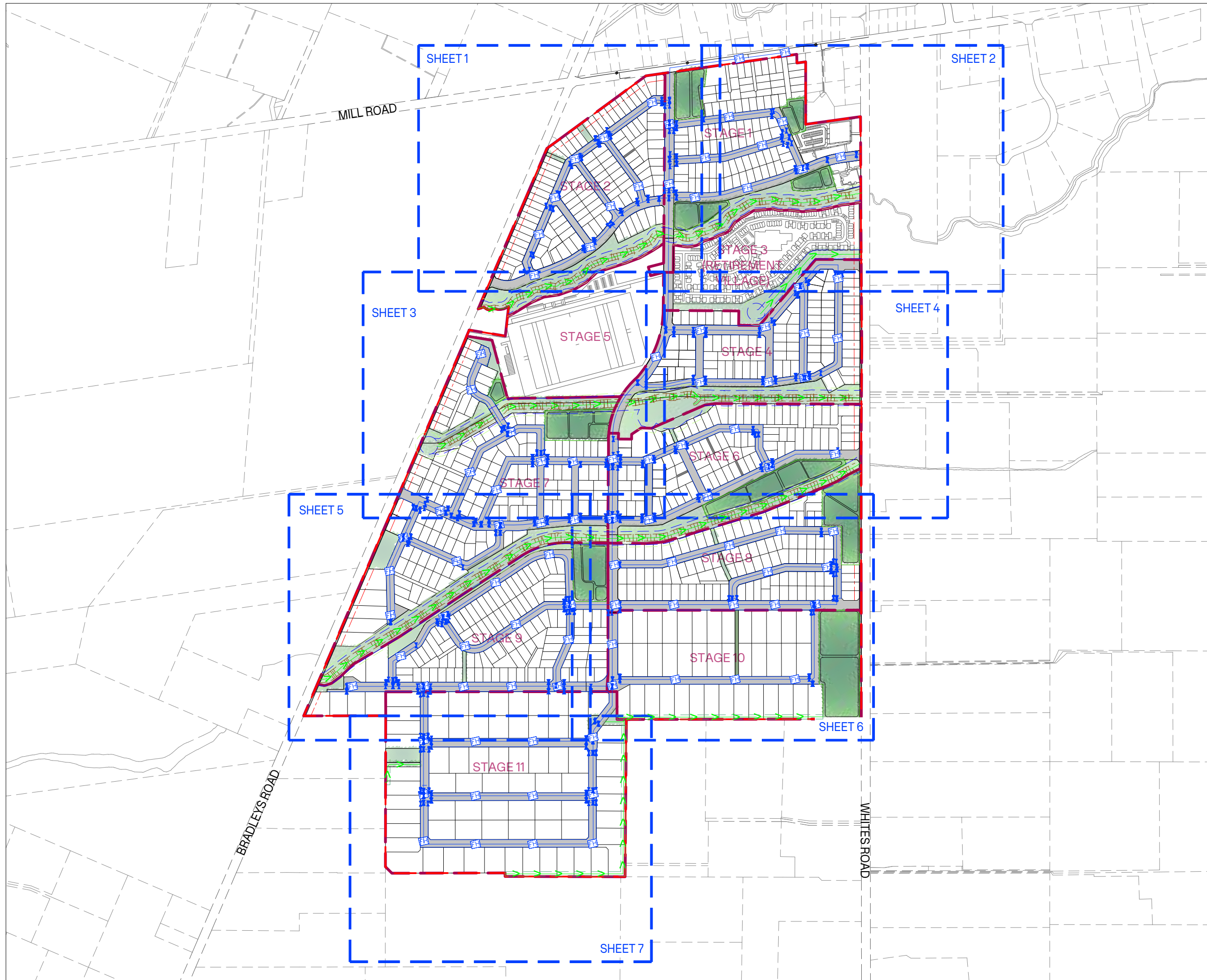


NOTES:

- LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
- ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
- WATER MAINS TO BE DIAMETER AS SHOWN.
- SUBMAIN TO EXTEND MINIMUM OF 10m ALONG FRONTAGE OF LOT BEING SERVICED.
- HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
- WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
- WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN OVERALL PLAN**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:4,000 @A1 | 18,000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-6000 | | |

0 80 200 400 SCALE (m) 1:4000 @A1 1:8000 @A3



NOTES:

- LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
- ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
- WATER MAINS TO BE DIAMETER AS SHOWN.
- SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
- HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
- WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
- WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 1 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-6001 | | |





NOTES:

1. LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
2. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
3. WATER MAINS TO BE DIAMETER AS SHOWN.
4. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
5. HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
6. WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
7. WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



WHITES ROAD

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 2 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-6002 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

Plot Date: 15/05/2025, June 2026, ADMINMANUX Synergy Version:



NOTES:

1. LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
2. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
3. WATER MAINS TO BE DIAMETER AS SHOWN.
4. SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
5. HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
6. WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
7. WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 3 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

| | | | |
|---------|-------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |

DWG NO: **16013-00-RC-6003**

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:

- LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
- ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
- WATER MAINS TO BE DIAMETER AS SHOWN.
- SUBMAIN TO EXTEND MINIMUM OF 1.0m ALONG FRONTAGE OF LOT BEING SERVICED.
- HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
- WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
- WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Lot 7001 (ROAD TO VEST) | Lot 296 | Lot 295 | Lot 298 | Lot 299 | Lot 300 | Lot 301 | Lot 302 | Lot 303 | Lot 304 | Lot 305 | Lot 306 | Lot 307 | Lot 308 | Lot 309 | Lot 310 | Lot 311 | Lot 312 | Lot 313 | Lot 314 | Lot 315 | Lot 316 | Lot 317 | Lot 318 | Lot 319 | Lot 320 | Lot 321 | Lot 322 | Lot 323 | Lot 324 | Lot 325 | Lot 326 | Lot 327 | Lot 328 | Lot 329 | Lot 330 | Lot 331 | Lot 332 | Lot 333 | Lot 334 | Lot 335 | Lot 336 | Lot 337 | Lot 338 | Lot 339 | Lot 340 | Lot 341 | Lot 342 | Lot 343 | Lot 344 | Lot 345 | Lot 346 | Lot 347 | Lot 348 | Lot 349 | Lot 350 | Lot 351 | Lot 352 | Lot 353 | Lot 354 | Lot 355 | Lot 356 | Lot 357 | Lot 358 | Lot 359 | Lot 360 | Lot 361 | Lot 362 | Lot 363 | Lot 364 | Lot 365 | Lot 366 | Lot 367 | Lot 368 | Lot 369 | Lot 370 | Lot 371 | Lot 372 | Lot 373 | Lot 374 | Lot 375 | Lot 376 | Lot 377 | Lot 378 | Lot 379 | Lot 380 | Lot 381 | Lot 382 | Lot 383 | Lot 384 | Lot 385 | Lot 386 | Lot 387 | Lot 388 | Lot 389 | Lot 390 | Lot 391 | Lot 392 | Lot 393 | Lot 394 | Lot 395 | Lot 396 | Lot 397 | Lot 398 | Lot 399 | Lot 400 | Lot 401 | Lot 402 | Lot 403 | Lot 404 | Lot 405 | Lot 406 | Lot 407 | Lot 408 | Lot 409 | Lot 410 | Lot 411 | Lot 412 | Lot 413 | Lot 414 | Lot 415 | Lot 416 | Lot 417 | Lot 418 | Lot 419 | Lot 420 | Lot 421 | Lot 422 | Lot 423 | Lot 424 | Lot 425 | Lot 426 | Lot 427 | Lot 428 | Lot 429 | Lot 430 | Lot 431 | Lot 432 | Lot 433 | Lot 434 | Lot 435 | Lot 436 | Lot 437 | Lot 438 | Lot 439 | Lot 440 | Lot 441 | Lot 442 | Lot 443 | Lot 444 | Lot 445 | Lot 446 | Lot 447 | Lot 448 | Lot 449 | Lot 450 | Lot 451 | Lot 452 | Lot 453 | Lot 454 | Lot 455 | Lot 456 | Lot 457 | Lot 458 | Lot 459 | Lot 460 | Lot 461 | Lot 462 | Lot 463 | Lot 464 | Lot 465 | Lot 466 | Lot 467 | Lot 468 | Lot 469 | Lot 470 | Lot 471 | Lot 472 | Lot 473 | Lot 474 | Lot 475 | Lot 476 | Lot 477 | Lot 478 | Lot 479 | Lot 480 | Lot 481 | Lot 482 | Lot 483 | Lot 484 | Lot 485 | Lot 486 | Lot 487 | Lot 488 | Lot 489 | Lot 490 | Lot 491 | Lot 492 | Lot 493 | Lot 494 | Lot 495 | Lot 496 | Lot 497 | Lot 498 | Lot 499 | Lot 500 | Lot 501 | Lot 502 | Lot 503 | Lot 504 | Lot 505 | Lot 506 | Lot 507 | Lot 508 | Lot 509 | Lot 510 | Lot 511 | Lot 512 | Lot 513 | Lot 514 | Lot 515 | Lot 516 | Lot 517 | Lot 518 | Lot 519 | Lot 520 | Lot 521 | Lot 522 | Lot 523 | Lot 524 | Lot 525 | Lot 526 | Lot 527 | Lot 528 | Lot 529 | Lot 530 | Lot 531 | Lot 532 | Lot 533 | Lot 534 | Lot 535 | Lot 536 | Lot 537 | Lot 538 | Lot 539 | Lot 540 | Lot 541 | Lot 542 | Lot 543 | Lot 544 | Lot 545 | Lot 546 | Lot 547 | Lot 548 | Lot 549 | Lot 550 | Lot 551 | Lot 552 | Lot 553 | Lot 554 | Lot 555 | Lot 556 | Lot 557 | Lot 558 | Lot 559 | Lot 560 | Lot 561 | Lot 562 | Lot 563 | Lot 564 | Lot 565 | Lot 566 | Lot 567 | Lot 568 | Lot 569 | Lot 570 | Lot 571 | Lot 572 | Lot 573 | Lot 574 | Lot 575 | Lot 576 | Lot 577 | Lot 578 | Lot 579 | Lot 580 | Lot 581 | Lot 582 | Lot 583 | Lot 584 | Lot 585 | Lot 586 | Lot 587 | Lot 588 | Lot 589 | Lot 590 | Lot 591 | Lot 592 | Lot 593 | Lot 594 | Lot 595 | Lot 596 | Lot 597 | Lot 598 | Lot 599 | Lot 600 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 4 OF 7**

| | | |
|----------|----|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |

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|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-6004 | | |

0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

Plot Date: 15/05/2025 9:12:39 AM ADMINMANUX Synergy Version:



NOTES:

1. LAYING OF PIPE MAINS OR CONNECTIONS SHALL BE MADE BY A COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
2. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
3. WATER MAINS TO BE DIAMETER AS SHOWN.
4. SUBMAIN TO EXTEND MINIMUM OF 10m ALONG FRONTAGE OF LOT BEING SERVICED.
5. HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
6. WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
7. WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 5 OF 7**

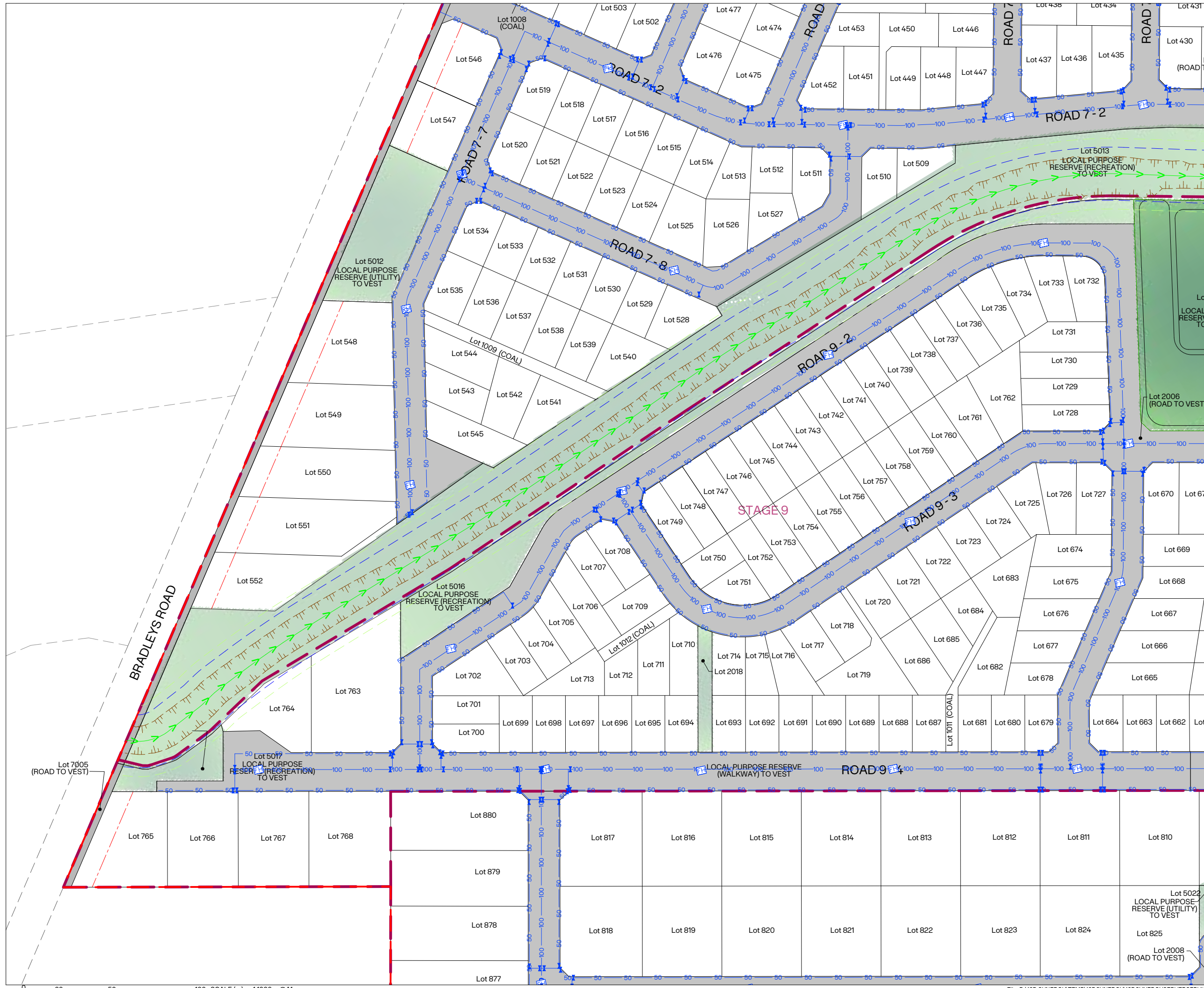
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|----------|------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |

STATUS: **FOR CONSENT**

PROJECT: **16013**

DWG NO: **16013-00-RC-6005**

REVISION: **B**



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3



NOTES:

1. LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
2. ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
3. WATER MAINS TO BE DIAMETER AS SHOWN.
4. SUBMAIN TO EXTEND MINIMUM OF 10m ALONG FRONTAGE OF LOT BEING SERVICED.
5. HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
6. WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
7. WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT

| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT: **MILL ROAD, OHOKA
WAIMAKARIRI
CANTERBURY**

DESCRIPTION: **WATERMAIN PLAN
SHEET 6 OF 7**

| | | |
|----------|------------------|------------|
| SURVEYED | - | - |
| DESIGNED | AO | 05/06/2026 |
| DRAWN | AA | 05/06/2026 |
| CHECKED | SS | 05/06/2026 |
| APPROVED | MP | 09/06/2026 |
| SCALE | 1:1000 @A1 | 1:2000 @A3 |
| STATUS | FOR CONSENT | B |
| PROJECT | 16013 | |
| DWG NO | 16013-00-RC-6006 | |



0 20 50 100 SCALE (m) 1:1000 @A1 1:2000 @A3

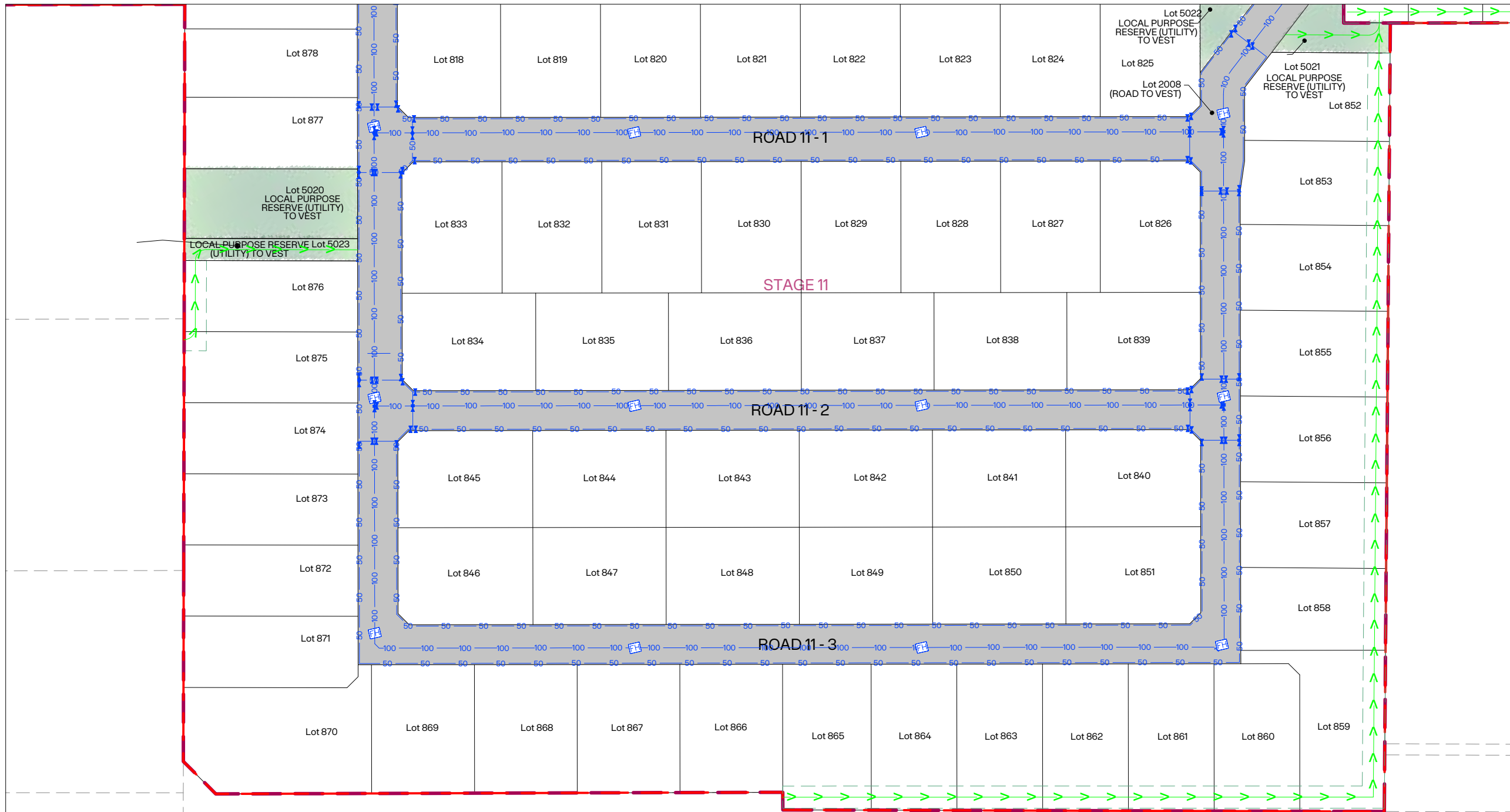


NOTES:

- LAYING OF PIPE MAINS OR CONNECTIONS TO EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A WDC AUTHORISED WATER SUPPLY INSTALLER.
- ALL WORKS TO BE DONE IN ACCORDANCE WITH THE WDC ECOP.
- WATER MAINS TO BE DIAMETER AS SHOWN.
- SUBMAIN TO EXTEND MINIMUM OF 10m ALONG FRONTAGE OF LOT BEING SERVICED.
- HIGH PRESSURE WATER BENDS AND FITTINGS ARE TO BE DUCTILE IRON.
- WATER PIPES IN ROWS TO BE LAID IN COMMON SERVICE TRENCH UNDER COMPLIANCE OF A WDC BUILDING CONSENT OR DISCRETIONARY EXEMPTION.
- WATER CONNECTIONS FOR REAR SECTIONS OR ALONG RIGHT OF WAYS TO HAVE OD32mm PE80B LATERAL.

LEGEND:

- STAGE BOUNDARY
- ABUTTAL BOUNDARY
- PROPOSED LOT BOUNDARY
- PR ROAD
- PR WASTEWATER PUMP STATION
- BANK TOP
- FLOW PATH
- GROUND DISTURBANCE / IMPERVIOUS SURFACE SETBACK
- MINIMUM RIPARIAN ENHANCEMENT SETBACK
- 15m LANDSCAPING STRIP SETBACK
- STORMWATER MANAGEMENT AREA
- RESERVE / WALKWAYS
- PROPOSED WATERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED VALVE
- EXISTING WATERMAIN
- EXISTING FIRE HYDRANT



| | | | |
|------------------|-----------------------------------|----|------------|
| B | ISSUED FOR FAST TRACK APPLICATION | SS | 09/06/2026 |
| A | ISSUED FOR FAST TRACK APPLICATION | SS | 02/07/2025 |
| REVISION DETAILS | | BY | DATE |

PROJECT:
**MILL ROAD, OHOKA
 WAIMAKARIRI
 CANTERBURY**

DESCRIPTION:
**WATERMAIN PLAN
 SHEET 7 OF 7**

| | | | |
|--|----------|----|------------|
| | SURVEYED | - | - |
| | DESIGNED | AO | 05/06/2026 |
| | DRAWN | AA | 05/06/2026 |
| | CHECKED | SS | 05/06/2026 |
| | APPROVED | MP | 09/06/2026 |

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|---------|------------------|------------|----------|
| SCALE | 1:1000 @A1 | 1:2000 @A3 | REVISION |
| STATUS | FOR CONSENT | | B |
| PROJECT | 16013 | | |
| DWG NO | 16013-00-RC-6007 | | |

