

- LEGEND**
- LOT BOUNDARIES
  - STAGE BOUNDARIES
  - ROAD CENTRELINE & CHAINAGE
  - VEHICLE CROSSING
  - PARKING BAY / FLUSH CROSSING (EXPOSED CONCRETE SURFACE)
  - PEDESTRIAN TACTILE PAVERS
  - CREE XSP1 T3ME 29W 3000K, VICPOLE 8m HIGH WITH 1m ARM, 0 DEG TILT (1.0m SETBACK)
  - CREE XSP1 T3ME 29W 3000K, VICPOLE 6m HIGH WITH 1m ARM, 0 DEG TILT (1.0m SETBACK)
  - CREE XSP1 T3ME 45W 3000K, VICPOLE 8m HIGH WITH 1m ARM, 0 DEG TILT (1.5m SETBACK)
  - NEW SINGLE CATCHPIT / DOUBLE CATCHPIT NEW STORMWATER PIPE
  - SLUICE VALVE / FIRE HYDRANT / GATE VALVE
  - CONCRETE FOOTPATH
  - ASPHALT CARRIAGEWAY
  - GRASS BERM
  - POWER TRANSFORMER / POWER LINK PILLAR / TELECOM CHAMBER
  - FUTURE STAGE

- NOTES:**
- ALL WORKS AND MATERIALS COMPLY WITH THE WAIKATO LOCAL AUTHORITY SHARED SERVICES REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATIONS (RITS) (MAY 2018).
  - LEVELS ARE IN TERMS OF THE MOTURIKI DATUM 1953.
  - ALL CO-ORDINATES ARE IN TERMS OF NZTM.
  - SEE STORMWATER AS-BUILT DRAWINGS 1239\_AB-4-100 TO AB-4-106 FOR CATCHPIT AND CATCHPIT LEAD INFORMATION.
  - ALL KERBS HAVE 110mmØ UNDERCHANNEL DRAIN INSTALLED IN 20/7 DRAINAGE AGGREGATE.

**CERTIFICATION**

I CERTIFY THAT THESE ASBUILT PLANS ARE AN ACCURATE RECORD OF THE WORKS UNDERTAKEN AND THAT:

- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD(2000), AND ARE WITHIN ±0.10m.
- THE LEVELS (Z) ARE IN TERMS OF THE MOTURIKI DATUM 1953, AND ARE WITHIN ±0.01m.

SIGNED .....  
LICENSED CADASTRAL SURVEYOR

DATE: .....  
NAME: NATHAN HOGG  
ADDRESS: P.O.BOX 28-345, REMUERA, AUCKLAND  
CONTACT: (09) 579 5505  
EMAIL: Nathan.Hogg@candor3.co.nz

RELEVANT CONSENT NUMBERS:  
SUB0340/18.01 & LUC0137/19

ASBUILT

|  |  |                |       |             |   |             |  |             |          |      |  |
|--|--|----------------|-------|-------------|---|-------------|--|-------------|----------|------|--|
| REV DESCRIPTION  |  | BY             | APPVD | DATE        | PROJECT   |             | CLIENT                                   |             | PURPOSE  |      |  |
| <div>Candor<sup>3</sup><br/>ENGINEERING FOR LIFE</div> |  |                |       |             | LAKESIDE, TE KAUWHATA<br>ROADING LAYOUT STAGE 3<br>1 OF 2 |             | LAKESIDE<br>DEVELOPMENTS 2017<br>LIMITED |             | AS-BUILT |      |  |
| DESIGN JS  |  | APPROVED BY NH |       | SCALE       |   | PROJECT NO. |  | DRAWING NO. |          | REV. |  |
| DRAWN JS   |  | DATE MAY 2020  |       | 1:2500 @ A3 |   | 1239        |  | AB-3-100    |          | -    |  |
| CHECK RS   |  |                |       |             |   |             |  |             |          |      |  |

- LEGEND**
- LOT BOUNDARIES
  - STAGE BOUNDARIES
  - ROAD CENTRELINE & CHAINAGE
  - VEHICLE CROSSING
  - PARKING BAY / FLUSH CROSSING (EXPOSED CONCRETE SURFACE)
  - PEDESTRIAN TACTILE PAVERS
  - CREE XSP1 T3ME 29W 3000K, VICPOLE 8m HIGH WITH 1m ARM, 0 DEG TILT (1.0m SETBACK)
  - CREE XSP1 T3ME 29W 3000K, VICPOLE 6m HIGH WITH 1m ARM, 0 DEG TILT (1.0m SETBACK)
  - CREE XSP1 T3ME 45W 3000K, VICPOLE 8m HIGH WITH 1m ARM, 0 DEG TILT (1.5m SETBACK)
  - NEW SINGLE CATCHPIT / DOUBLE CATCHPIT NEW STORMWATER PIPE
  - SLUICE VALVE / FIRE HYDRANT / GATE VALVE
  - CONCRETE FOOTPATH
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  - FUTURE STAGE

- NOTES:**
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  - LEVELS ARE IN TERMS OF THE MOTURIKI DATUM 1953.
  - ALL CO-ORDINATES ARE IN TERMS OF NZTM.
  - SEE STORMWATER AS-BUILT DRAWINGS 1239\_AB-4-100 TO AB-4-106 FOR CATCHPIT AND CATCHPIT LEAD INFORMATION.
  - ALL KERBS HAVE 110mmØ UNDERCHANNEL DRAIN INSTALLED IN 20/7 DRAINAGE AGGREGATE.

- LEGEND**
- GRASSED DRAINAGE SWALE
  - LIQUIDAMBAR STYRACIFULA - WOPPLESDON-300L
  - LIQUIDAMBAR STYRACIFULA
  - ACER PLATANOIDES COLUMNARE
  - ZELKOVA SERETTA
  - CARPINUS BETULUS
  - QUERCUS ROBUR 'FASTIGIATA'
  - ACER PALMATUM 'SENKAKI'
  - BELUTA JACQUEMONTII
  - CARPINUS BETULUS 'FASTIGIATA'
  - MAGNOLIA STELLATA
  - PRUNUS YEDOENSIS 'AWANUI'
  - PYRUS CALLERYANA 'BRADFORD'
  - ULMUS - LOUIS VAN HOUTTE
  - TILIA CORDATA 'SPRING GLOW'
  - ACER PLATANOIDES

**CERTIFICATION**

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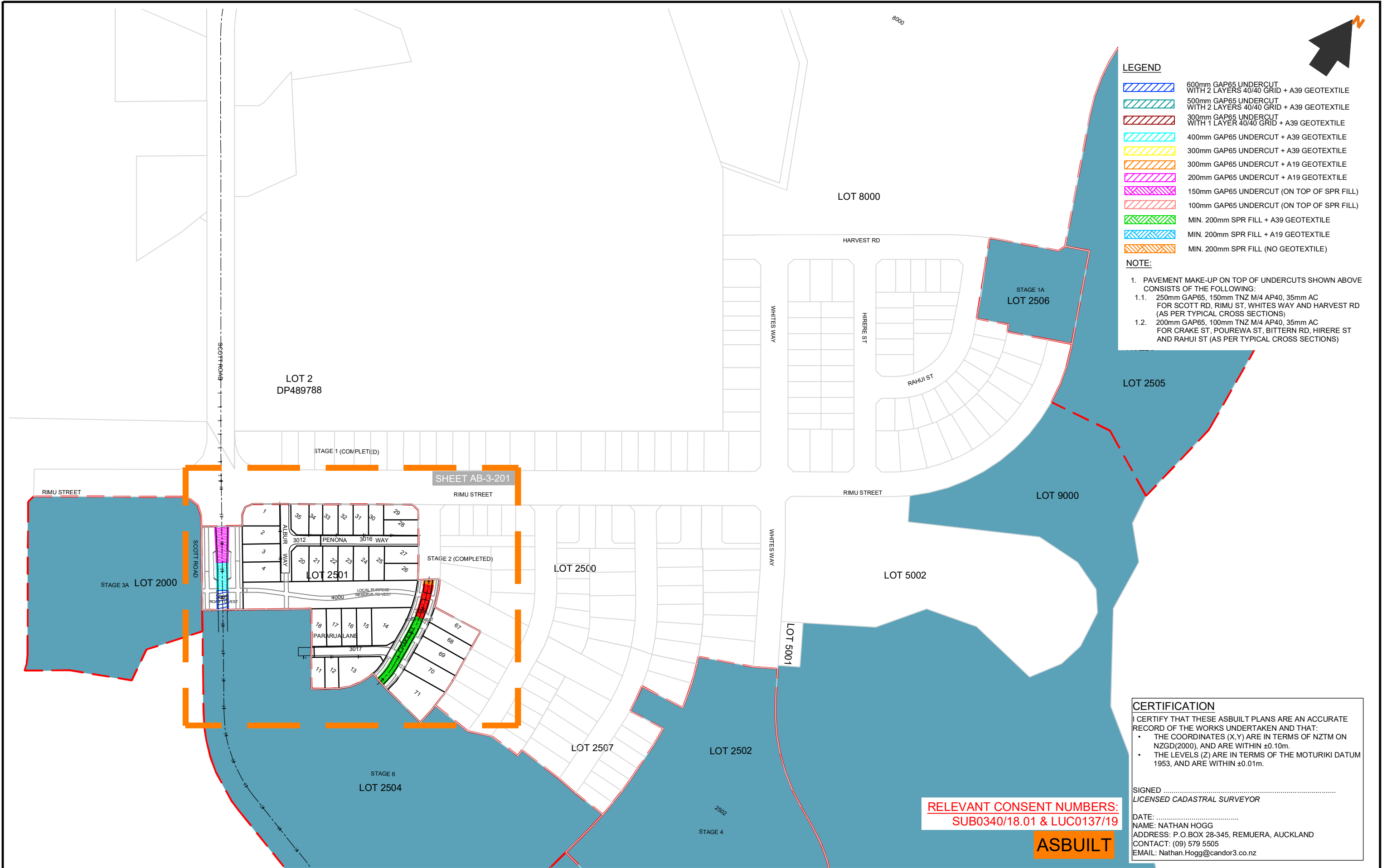
**RELEVANT CONSENT NUMBERS:**  
SUB0340/18.01 & LUC0137/19



**ASBUILT**

| REV | DESCRIPTION | BY | APPVD | DATE | PROJECT   | CLIENT                                   | PURPOSE                           |
|-----|-------------|----|-------|------|---|--|-----------------------------------|
|     |             |    |       |      | LAKESIDE, TE KAUPHATA<br>ROADING LAYOUT STAGE 3<br>2 OF 2 | LAKESIDE<br>DEVELOPMENTS 2017<br>LIMITED | AS-BUILT                          |
|     |             |    |       |      |   |  | DESIGN JS<br>DRAWN JS<br>CHECK RS |
|     |             |    |       |      |   |  | APPROVED BY NH<br>DATE MAY 2020   |
|     |             |    |       |      |   |  | SCALE 1:750 @ A3                  |
|     |             |    |       |      |   |  | PROJECT NO. 1239                  |
|     |             |    |       |      |   |  | DRAWING NO. AB-3-101              |
|     |             |    |       |      |   |  | REV. -                            |





- LEGEND**
- 600mm GAP65 UNDERCUT WITH 2 LAYERS 40/40 GRID + A39 GEOTEXTILE
  - 500mm GAP65 UNDERCUT WITH 2 LAYERS 40/40 GRID + A39 GEOTEXTILE
  - 300mm GAP65 UNDERCUT WITH 1 LAYER 40/40 GRID + A39 GEOTEXTILE
  - 400mm GAP65 UNDERCUT + A39 GEOTEXTILE
  - 300mm GAP65 UNDERCUT + A39 GEOTEXTILE
  - 300mm GAP65 UNDERCUT + A19 GEOTEXTILE
  - 200mm GAP65 UNDERCUT + A19 GEOTEXTILE
  - 150mm GAP65 UNDERCUT (ON TOP OF SPR FILL)
  - 100mm GAP65 UNDERCUT (ON TOP OF SPR FILL)
  - MIN. 200mm SPR FILL + A39 GEOTEXTILE
  - MIN. 200mm SPR FILL + A19 GEOTEXTILE
  - MIN. 200mm SPR FILL (NO GEOTEXTILE)

- NOTE:**
- PAVEMENT MAKE-UP ON TOP OF UNDERCUTS SHOWN ABOVE CONSISTS OF THE FOLLOWING:
    - 250mm GAP65, 150mm TNZ M/4 AP40, 35mm AC FOR SCOTT RD, RIMU ST, WHITES WAY AND HARVEST RD (AS PER TYPICAL CROSS SECTIONS)
    - 200mm GAP65, 100mm TNZ M/4 AP40, 35mm AC FOR CRAKE ST, POUREWA ST, BITTERN RD, HIRERE ST AND RAHUI ST (AS PER TYPICAL CROSS SECTIONS)

**CERTIFICATION**

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- THE COORDINATES (X,Y) ARE IN TERMS OF NZTM ON NZGD(2000), AND ARE WITHIN ±0.10m.
- THE LEVELS (Z) ARE IN TERMS OF THE MOTURIKI DATUM 1953, AND ARE WITHIN ±0.01m.

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**RELEVANT CONSENT NUMBERS:**  
SUB0340/18.01 & LUC0137/19

**ASBUILT**

REV DESCRIPTION BY APPVD DATE

**Candor**<sup>3</sup>  
ENGINEERING FOR LIFE

PROJECT  
LAKESIDE, TE KAUWHATA  
ROADING UNDERCUT STAGE 3  
1 OF 2

CLIENT  
LAKESIDE  
DEVELOPMENTS 2017  
LIMITED

| PURPOSE     |                |                   |
|-------------|----------------|-------------------|
| AS-BUILT    |                |                   |
| DESIGN JS   | APPROVED BY NH | SCALE 1:2500 @ A3 |
| DRAWN JS    | DATE MAY 2020  |                   |
| CHECK RS    |                |                   |
| PROJECT NO. | DRAWING NO.    | REV.              |
| 1239        | AB-3-200       | -                 |



# LEGEND

- 600mm GAP65 UNDERCUT WITH 2 LAYERS 40/40 GRID + A39 GEOTEXTILE
- 500mm GAP65 UNDERCUT WITH 2 LAYERS 40/40 GRID + A39 GEOTEXTILE
- 300mm GAP65 UNDERCUT WITH 1 LAYER 40/40 GRID + A39 GEOTEXTILE
- 400mm GAP65 UNDERCUT + A39 GEOTEXTILE
- 300mm GAP65 UNDERCUT + A39 GEOTEXTILE
- 300mm GAP65 UNDERCUT + A19 GEOTEXTILE
- 200mm GAP65 UNDERCUT + A19 GEOTEXTILE
- 150mm GAP65 UNDERCUT (ON TOP OF SPR FILL)
- 100mm GAP65 UNDERCUT (ON TOP OF SPR FILL)
- MIN. 200mm SPR FILL + A39 GEOTEXTILE
- MIN. 200mm SPR FILL + A19 GEOTEXTILE
- MIN. 200mm SPR FILL (NO GEOTEXTILE)

## NOTE:

- PAVEMENT MAKE-UP ON TOP OF UNDERCUTS SHOWN ABOVE CONSISTS OF THE FOLLOWING:
  - 250mm GAP65, 150mm TNZ M/4 AP40, 35mm AC FOR SCOTT RD, RIMU ST, WHITES WAY AND HARVEST RD (AS PER TYPICAL CROSS SECTIONS)
  - 200mm GAP65, 100mm TNZ M/4 AP40, 35mm AC FOR CRAKE ST, POUREWA ST, BITTERN RD, HIRERE ST AND RAHUI ST (AS PER TYPICAL CROSS SECTIONS)

## CERTIFICATION

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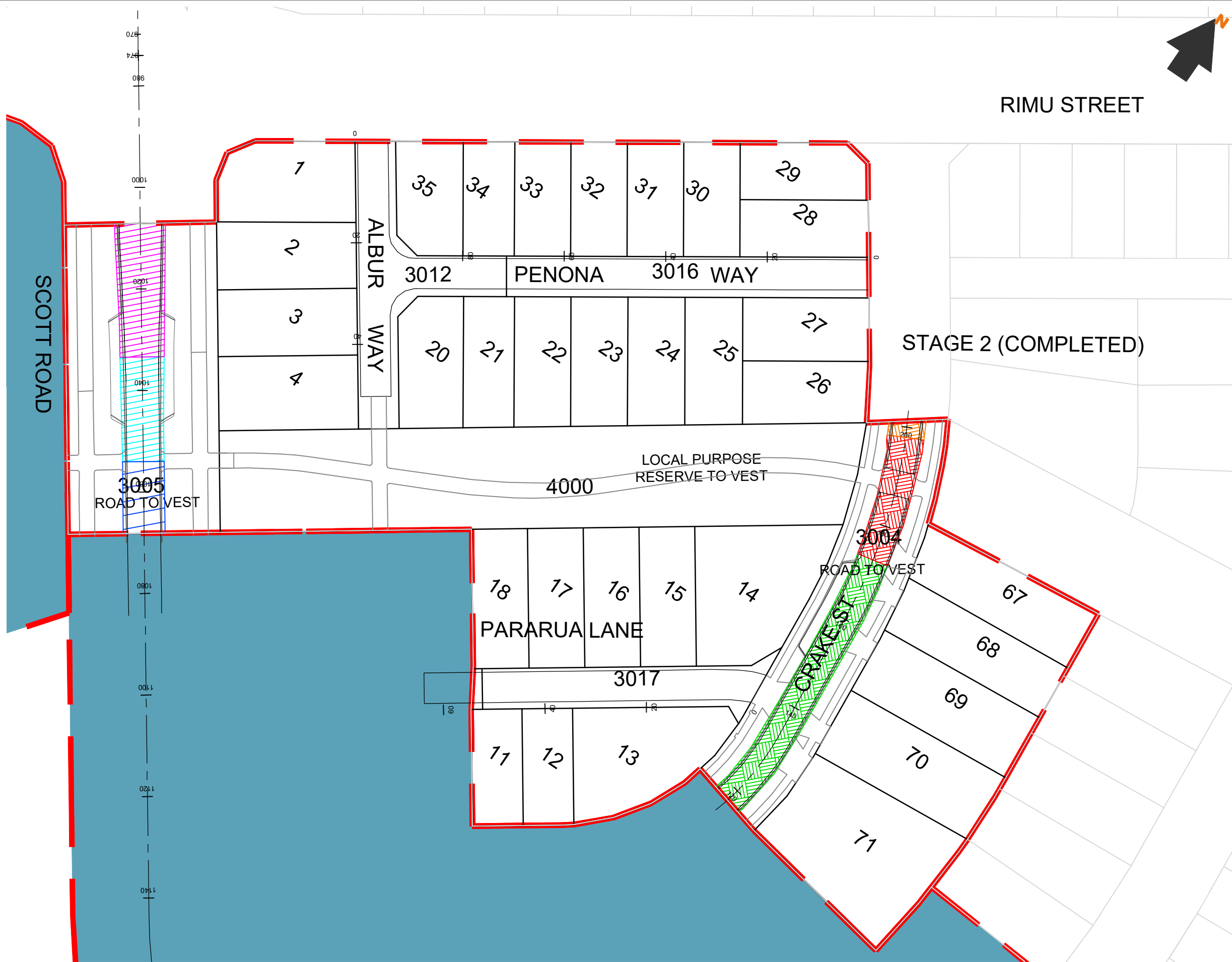
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RELEVANT CONSENT NUMBERS:  
SUB0340/18.01 & LUC0137/19

ASBUILT



| REV | DESCRIPTION | BY | APPVD | DATE | PROJECT   | CLIENT                                   | PURPOSE                            |
|-----|-------------|----|-------|------|---|--|------------------------------------|
|     |             |    |       |      | LAKESIDE, TE KAUWHATA<br>ROADING UNDERCUT STAGE 3<br>2 OF 2 | LAKESIDE<br>DEVELOPMENTS 2017<br>LIMITED | AS-BUILT                           |
|     |             |    |       |      |   |  | DESIGN JS<br>DRAWN JS<br>CHECK RS  |
|     |             |    |       |      |   |  | APPROVED<br>BY NH<br>DATE MAY 2020 |
|     |             |    |       |      |   |  | SCALE<br>1:750 @ A3                |
|     |             |    |       |      |   |  | PROJECT NO.<br>1239                |
|     |             |    |       |      |   |  | DRAWING NO.<br>AB-3-201            |
|     |             |    |       |      |   |  | REV.<br>-                          |

RELEVANT CONSENT NUMBERS:  
SUB0340/18.01 & LUC0137/19

ASBUILT

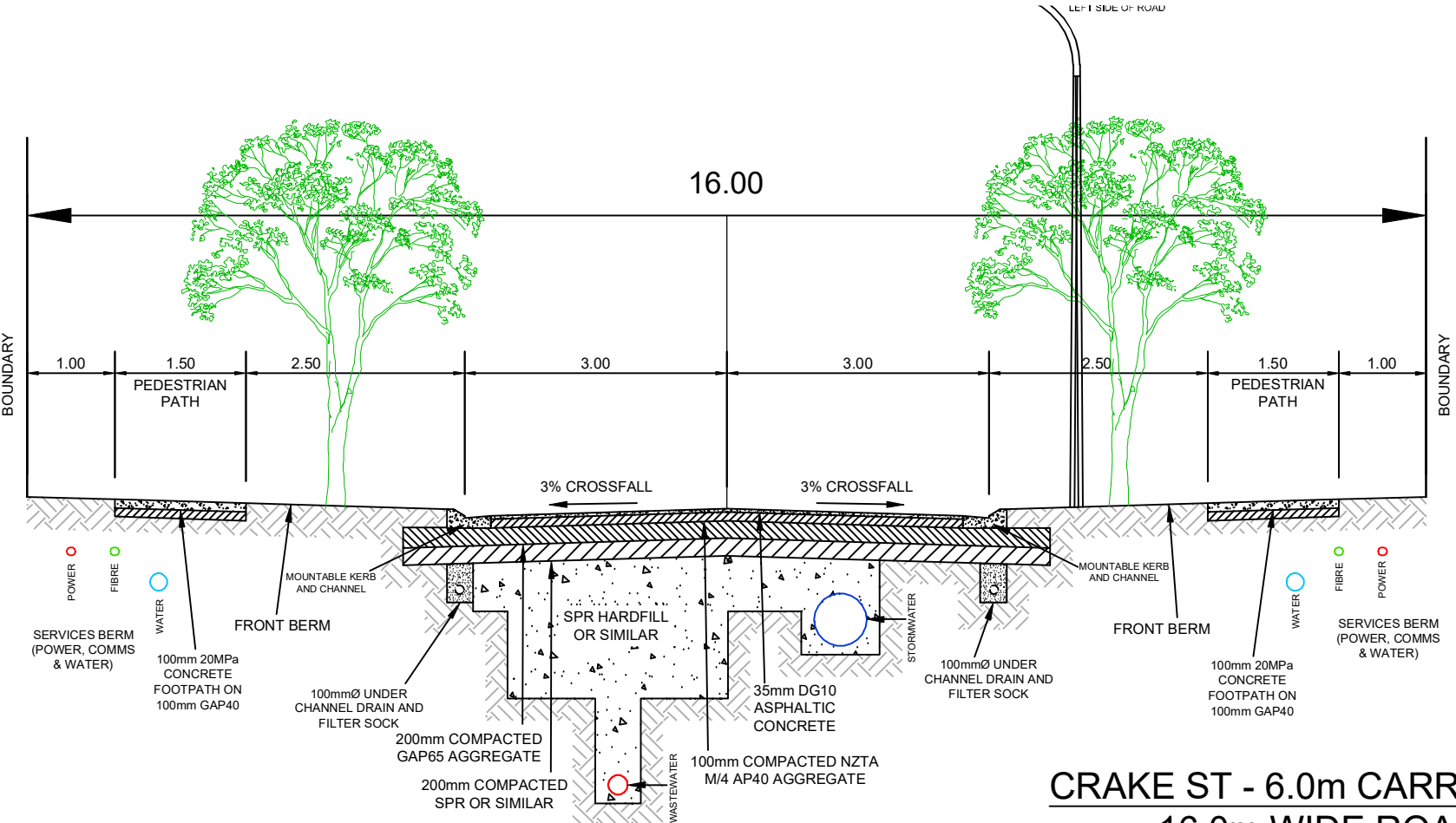
CERTIFICATION

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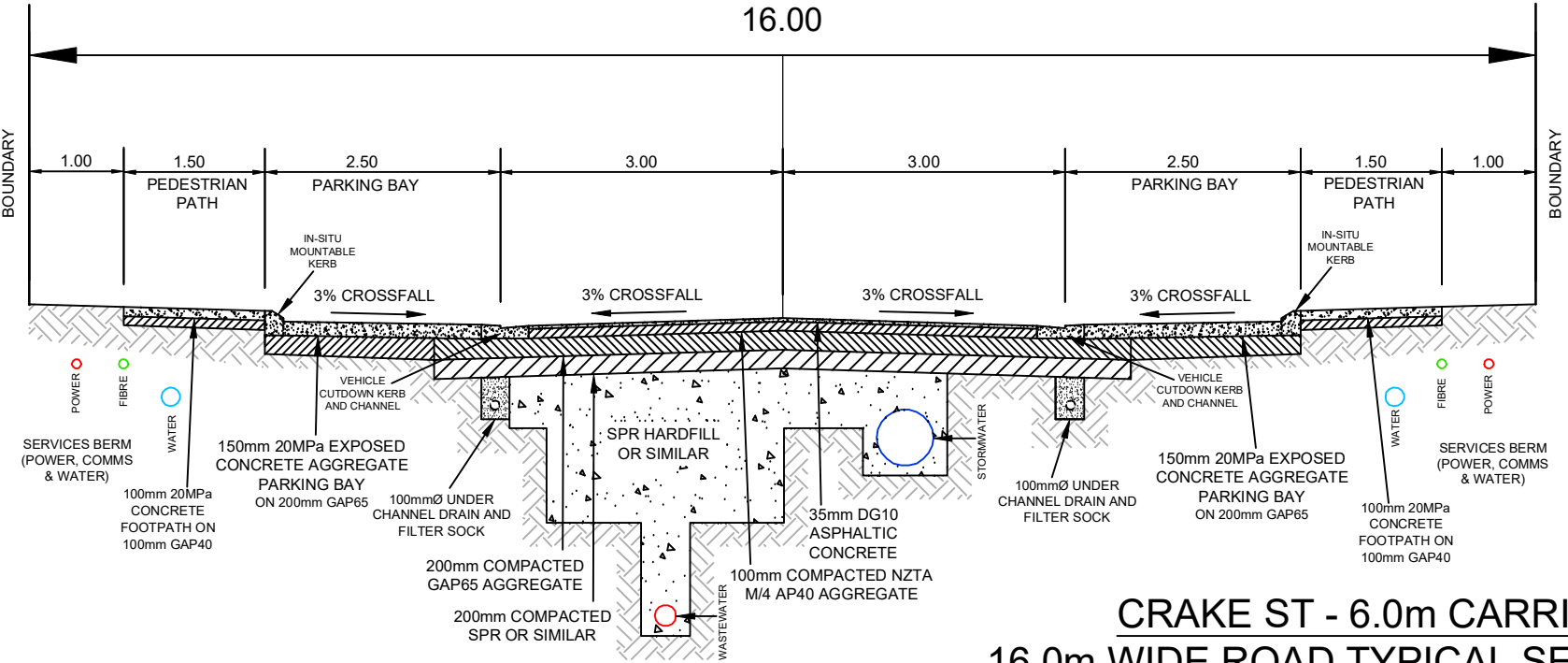
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CRAKE ST - 6.0m CARRIAGEWAY (LOCAL ROADS)  
16.0m WIDE ROAD TYPICAL SECTION



CRAKE ST - 6.0m CARRIAGEWAY (LOCAL ROAD)  
16.0m WIDE ROAD TYPICAL SECTION - WITH PARKING BAY(S)

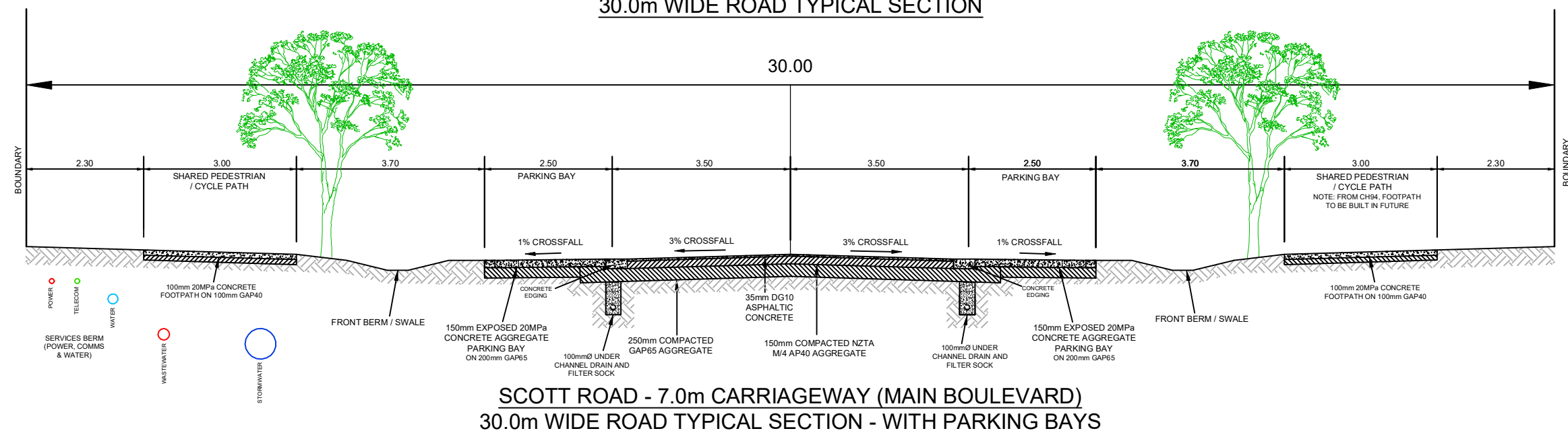
| REV | DESCRIPTION | BY | APPVD | DATE | PROJECT  | CLIENT                                   | PURPOSE                           |
|-----|-------------|----|-------|------|--|--|-----------------------------------|
|     |             |    |       |      | LAKESIDE, TE KAUWHATA<br>TYPICAL CROSS SECTION STAGE 3<br>1 OF 2 | LAKESIDE<br>DEVELOPMENTS 2017<br>LIMITED | AS-BUILT                          |
|     |             |    |       |      |  |  | DESIGN JS<br>DRAWN JS<br>CHECK RS |
|     |             |    |       |      |  |  | APPROVED BY NH<br>DATE MAY 2020   |
|     |             |    |       |      |  |  | SCALE 1:75 @ A3                   |
|     |             |    |       |      |  |  | PROJECT NO. 1239                  |
|     |             |    |       |      |  |  | DRAWING NO. AB-3-500              |
|     |             |    |       |      |  |  | REV. -                            |

ASBUILT

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|-------------------|----|----------|--|------|----------|------------|------|---|---------|--|--------|--|----------|--|--|
| REV   DESCRIPTION |    |          |  |      | BY       | APPVD      | DATE | <div>Candor<sup>3</sup></div> <div>ENGINEERING FOR LIFE</div> | PROJECT | LAKESIDE, TE KAUWHATA<br>TYPICAL CROSS SECTION STAGE 3<br>2 OF 2 | CLIENT | LAKESIDE<br>DEVELOPMENTS 2017<br>LIMITED | PURPOSE  |  |  |
|                   |    |          |  |      |          |            |      |   |         |  |        |  | AS-BUILT |  |  |
| DESIGN            | JS | APPROVED |  | BY   | NH       | SCALE      |      |   |         |  |        |  |          |  |  |
| DRAWN             | JS | DATE     |  | DATE | MAY 2020 | 1:100 @ A3 |      |   |         |  |        |  |          |  |  |
| CHECK             | RS |          |  |      |          |            |      |   |         |  |        |  |          |  |  |
| PROJECT NO.       |    |          |  |      |          |            |      | DRAWING NO.   |         | REV.   |        |  |          |  |  |
| 1239              |    |          |  |      |          |            |      | AB-3-501  |         | -  |        |  |          |  |  |