

# WATERFALL PARK DEVELOPMENTS LTD

## AYRBURN SCREEN HUB, CONSENT DRAWINGS

PLAN INDEX

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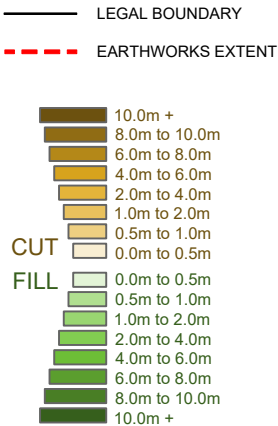


|                                      |  |                          |  |        |       |             |      |                                      |     |            |            |         |
|--------------------------------------|--|--------------------------|--|--------|-------|-------------|------|--------------------------------------|-----|------------|------------|---------|
| DRAWING TITLE                        |  | DATUM INFORMATION        |  | REV    | DRAWN | DATE        | NOTE | SURVEYED                             | PAT | 05.09.2024 | PROJECT    | P240664 |
| AYRBURN SCREEN HUB - LOT 4 DP 540788 |  | COORDINATE SYSTEM        |  | A      | AH    | 29.11.2024  | -    | DESIGNED                             | AH  | 06.11.2024 | DRAWING NO | 002     |
| CONSENT DRAWINGS                     |  | MOUNT NICHOLAS CIRCUIT   |  |        |       |             |      | DRAWN                                | AH  | 29.11.2024 | SHEET      | 200     |
| EXISTING CONTOURS PLAN               |  | DUNEHT1958               |  |        |       |             |      | REVIEWED                             | SP  | 09.12.2024 | REVISION   | A       |
|                                      |  | IT X DP 23038            |  |        |       |             |      | APPROVED                             | SP  | 10.12.2024 | SCALE (A3) | 1:1500  |
|                                      |  | IT X DP 23038 : 358.566m |  | STATUS |       | FOR CONSENT |      | © Paterson Pitts Limited Partnership |     |            |            |         |





LEGEND



NOTES

- ALL SEDIMENT AND EROSION CONTROLS TO BE ESTABLISHED PRIOR TO COMMENCING WITH EARTHWORKS
- NO EARTHWORKS TO EXTEND BEYOND THE APPLICATION BOUNDARIES
- ALL RETAINING WALLS ARE SUBJECT TO DETAILED DESIGN, RETAINED HEIGHTS MAY BE SUBJECT TO CHANGE AS A RESULT
- ALL BATTERS GREATER THAN 1:3 TO BE APPROVED BY A GEO-TECHNICAL ENGINEER

EARTHWORKS QUANTITIES

| VOLUMES:                                   |          |          |
|--------------------------------------------|----------|----------|
| CUT                                        |          |          |
| 1. TOPSOIL STRIP                           |          | 21,400m³ |
| 2. CUT TO SUBGRADE                         |          | 59,000m³ |
| TOTAL CUT                                  |          | 80,400m³ |
| FILL                                       |          |          |
| 1. IMPORTED FILL FOR SUBGRADE IMPROVEMENT  | 2,900m³  |          |
| 2. IMPORTED FILL FOR SUB-BASE & BASECOURSE | 3,500m³  |          |
| 3. IMPORTED MATERIAL FOR FOOTPATHS         | 900m³    |          |
| 4. IMPORTED BEDDING FOR BUILDING PLATFORMS | 5,100m³  |          |
| 5. BALANCE FILL TO DESIGN SUBGRADE         | 9,400m³  |          |
| 6. BALANCE FILL TO DESIGN SPUR EXTENSION   | 43,100m³ |          |
| 6. RESPREAD TOPSOIL                        | 9,500m³  |          |
| TOTAL FILL                                 | 74,400m³ |          |
| BALANCE                                    |          |          |
| 1. EXCESS CUT (TO WASTE OFFSITE)           | 6,000m³  |          |
| TOTAL AREA EXPOSED                         |          | 84,150m² |
| CUT / FILL DEPTHS                          |          |          |
| 1. MAXIMUM CUT                             | -9.5m    |          |
| 2. MAXIMUM FILL                            | +11m     |          |





**LEGEND**

- LEGAL BOUNDARY
- EARTHWORKS EXTENT
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- 0.5 - 1.5m RETAINING WALL
- 1.5 - 3.5m RETAINING WALL
- 3.5 - 5.5m RETAINING WALL
- 5.5 - 7.5m RETAINING WALL
- MSE WALL OR EQUIV TO BE SPECIFIED BY GEOTECH AT ENGINEERING DESIGN
- PROPOSED BUILDINGS
- PROPOSED ROADING

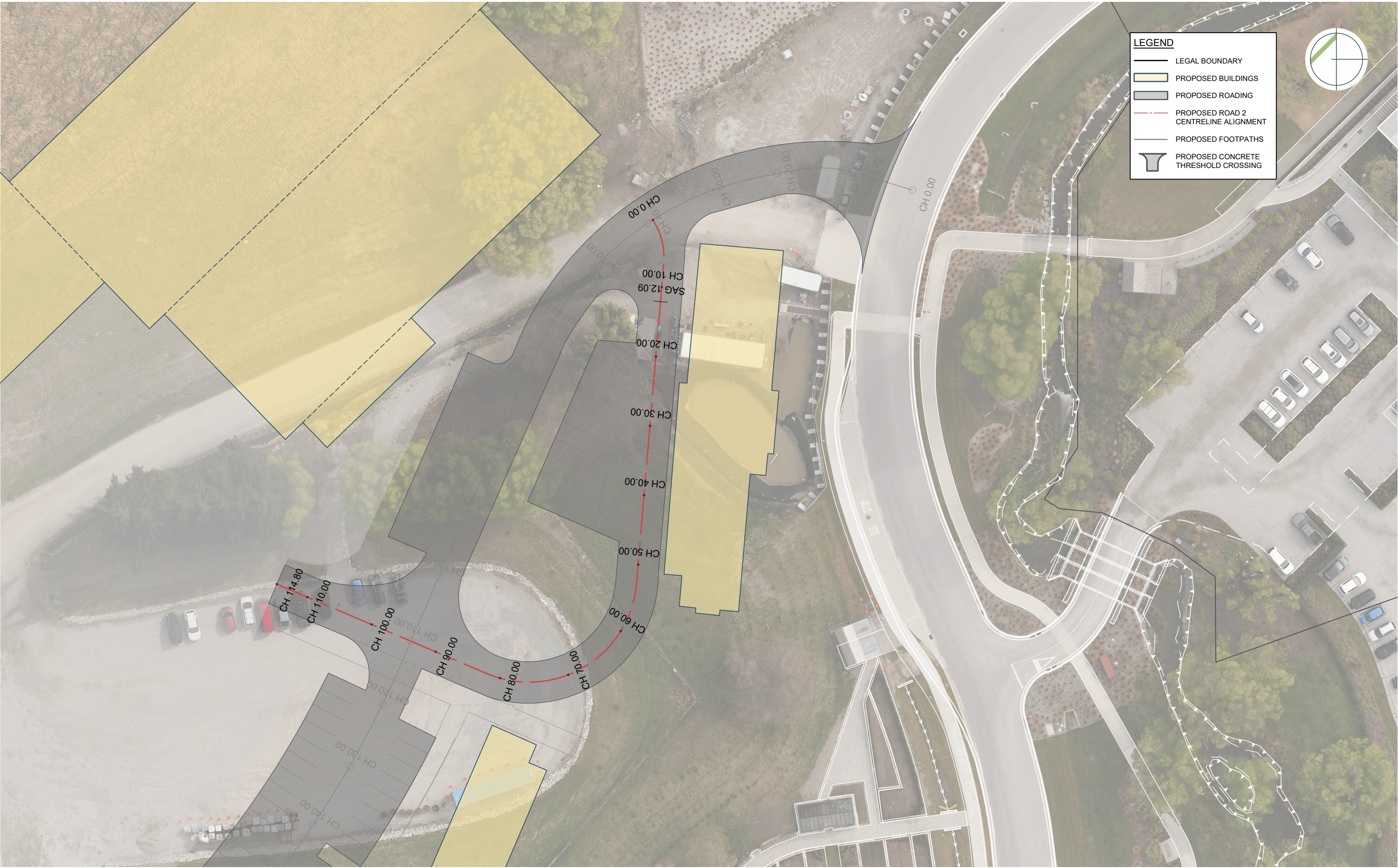












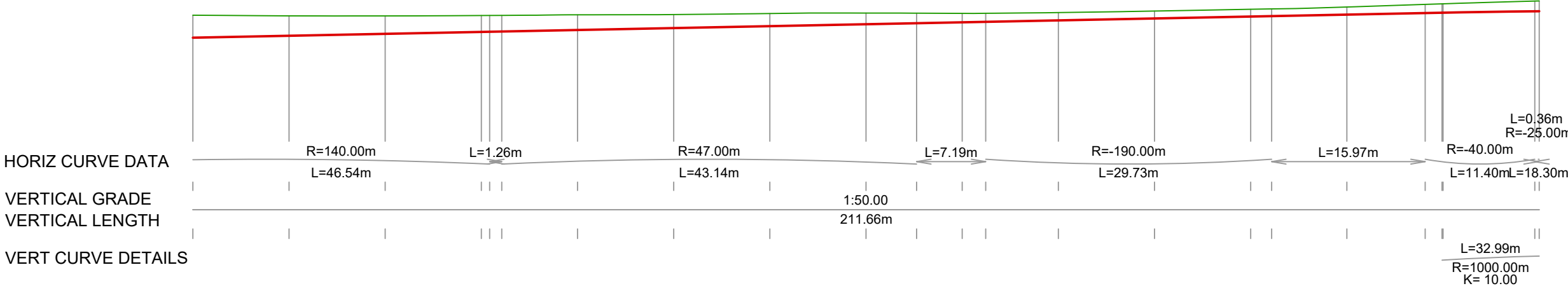










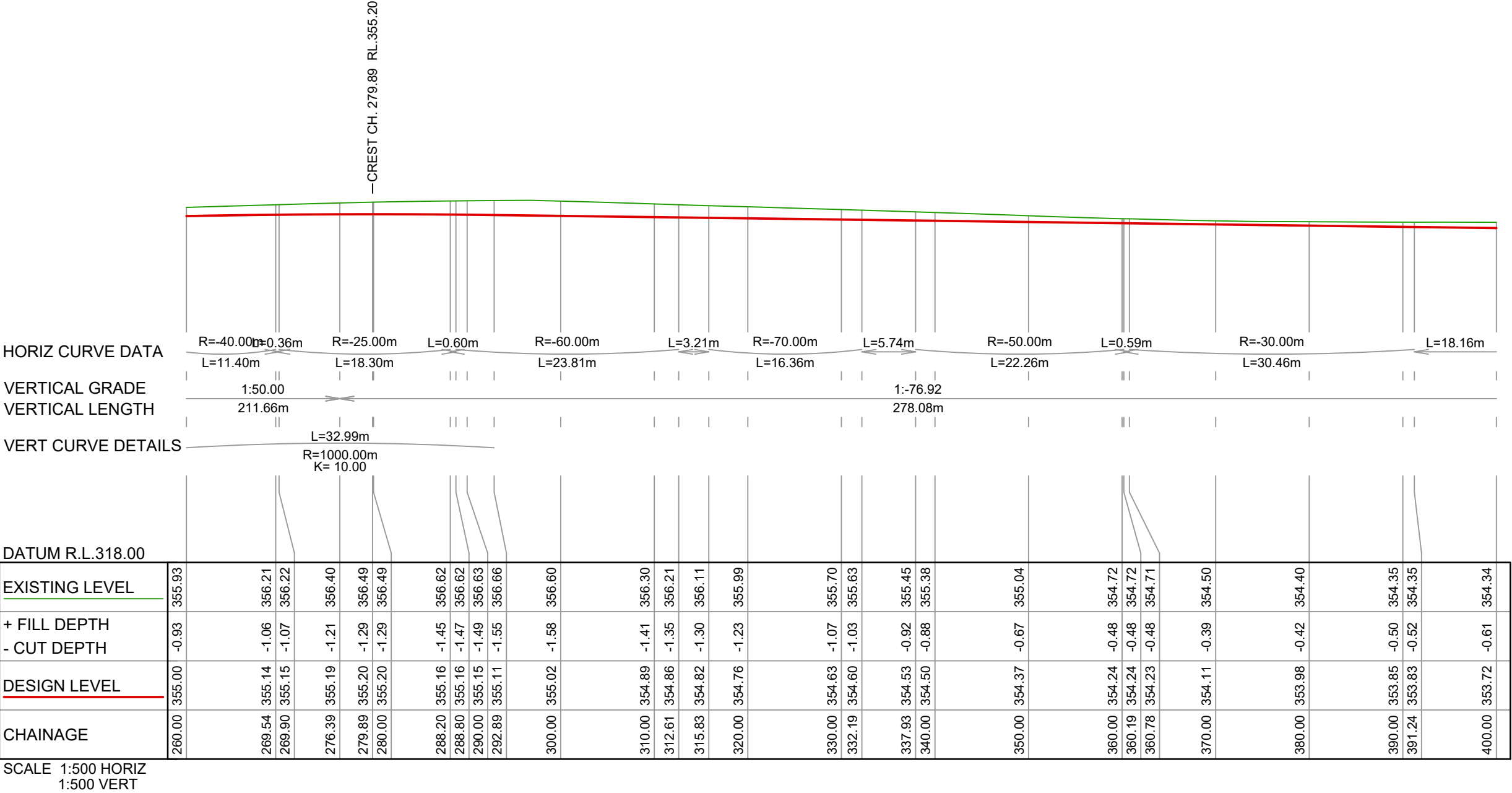


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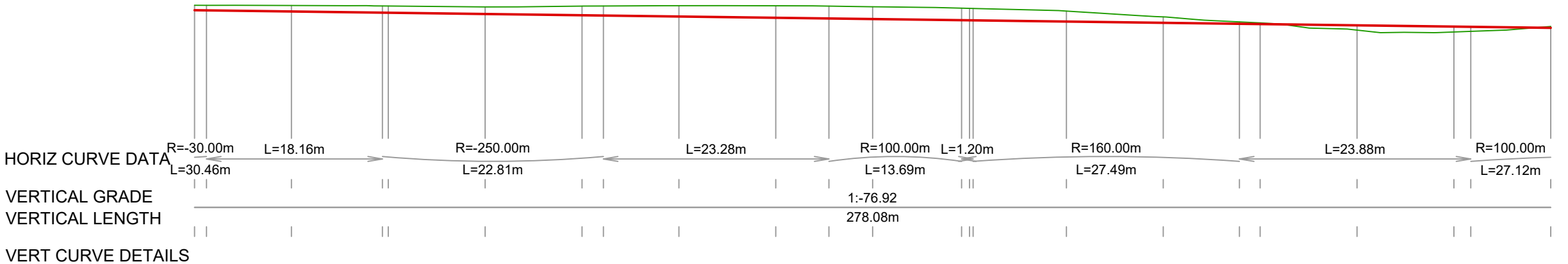
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|-----------------------------|--------|--|--------|--------|--------|--|--------|--------|--------|--|--------|--|--------|--|--------|--|--------|--------|--------|--------|--|--------|--|--------|--|--------|--------|--|--------|--|--------|--------|--------|--|--------|--------|
| EXISTING LEVEL              | 354.74 |  |        | 354.67 |        |  | 354.70 | 354.71 | 354.72 |  | 354.78 |  | 354.81 |  | 354.91 |  | 354.96 | 354.95 | 354.93 | 354.94 |  | 355.01 |  | 355.17 |  | 355.35 | 355.39 |  | 355.59 |  | 355.86 | 355.92 | 355.93 |  | 356.21 | 356.22 |
| + FILL DEPTH<br>- CUT DEPTH | -2.34  |  | -2.07  |        | -1.87  |  | -1.70  | -1.69  | -1.67  |  | -1.58  |  | -1.41  |  | -1.31  |  | -1.16  | -1.04  | -0.93  | -0.89  |  | -0.81  |  | -0.77  |  | -0.75  | -0.75  |  | -0.79  |  | -0.90  | -0.92  | -0.93  |  | -1.06  | -1.07  |
| DESIGN LEVEL                | 352.40 |  | 352.60 |        | 352.80 |  | 353.00 | 353.02 | 353.04 |  | 353.20 |  | 353.40 |  | 353.60 |  | 353.80 | 353.91 | 354.00 | 354.05 |  | 354.20 |  | 354.40 |  | 354.60 | 354.64 |  | 354.80 |  | 354.96 | 355.00 | 355.00 |  | 355.14 | 355.15 |
| CHAINAGE                    | 130.00 |  | 140.00 |        | 150.00 |  | 160.00 | 160.86 | 162.12 |  | 170.00 |  | 180.00 |  | 190.00 |  | 200.00 | 205.26 | 210.00 | 212.45 |  | 220.00 |  | 230.00 |  | 240.00 | 242.18 |  | 250.00 |  | 258.14 | 259.90 | 260.00 |  | 269.54 | 270.00 |

SCALE 1:500 HORIZ  
1:500 VERT







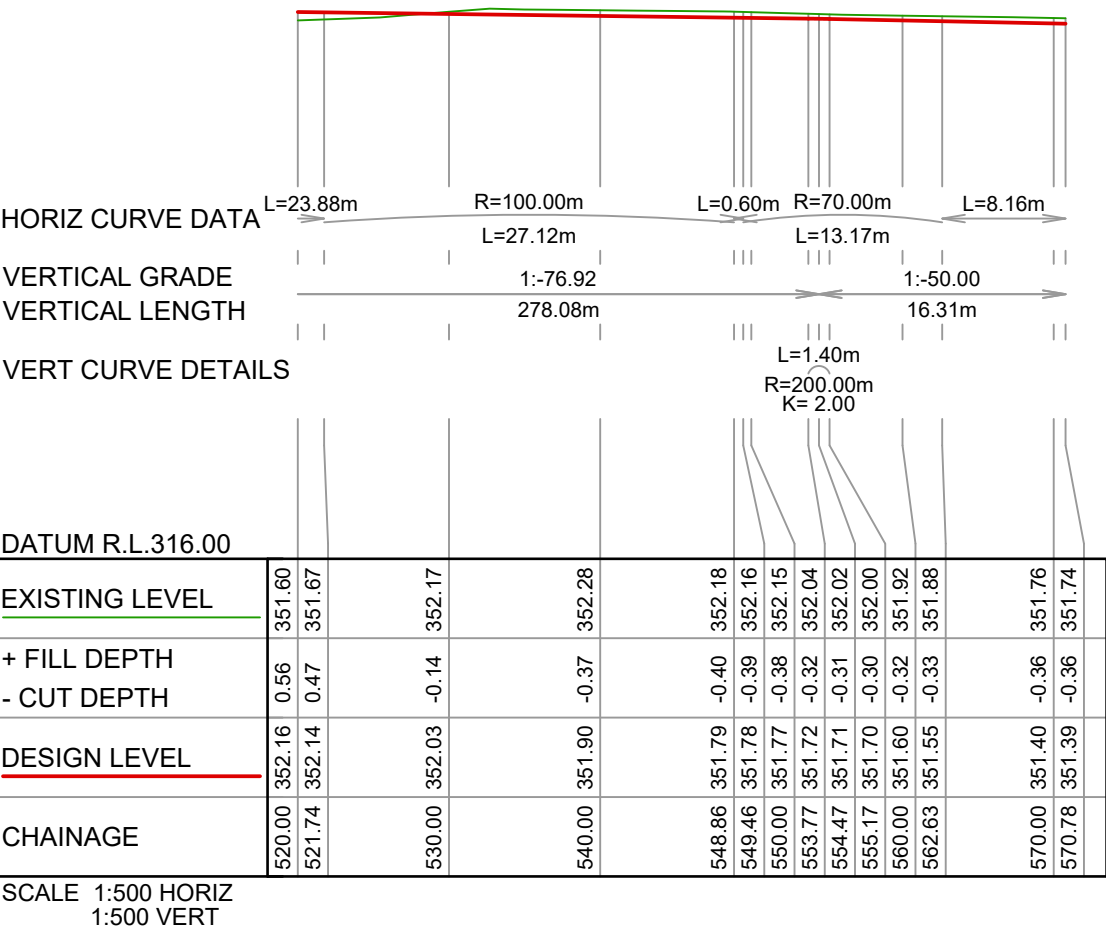


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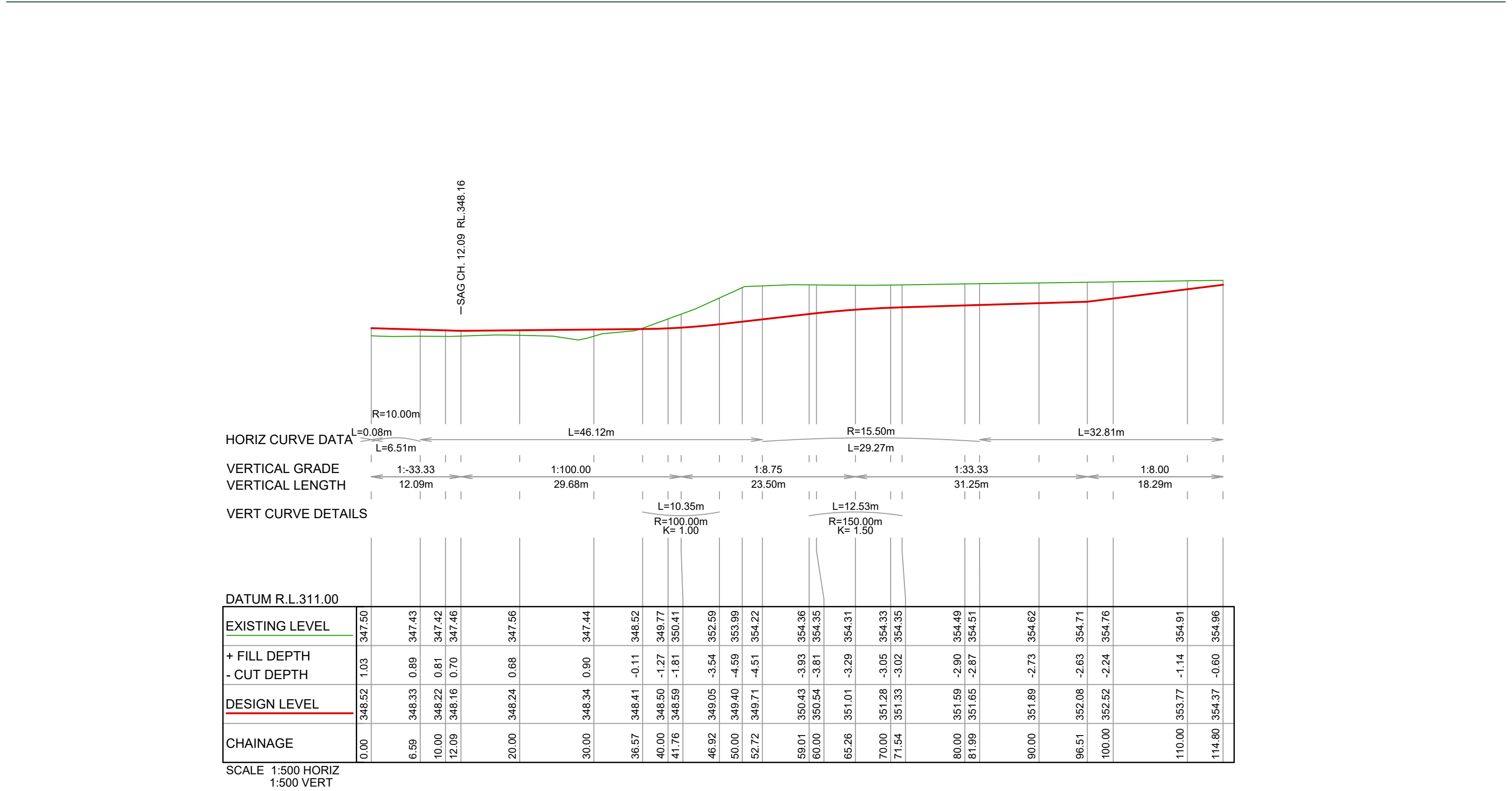
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|-----------------------------|--------|--------|--|--------|--|--|--------|--------|--|--------|--|--------|--------|--|--------|--|--------|--------|--------|--|--------|--------|--------|--|--------|--|--------|--|--------|--------|--|--------|--|--------|--------|--|--------|--|
| EXISTING LEVEL              | 354.35 | 354.35 |  | 354.34 |  |  | 354.29 | 354.28 |  | 354.19 |  | 354.27 | 354.28 |  | 354.32 |  | 354.31 | 354.27 | 354.21 |  | 354.06 | 354.04 | 354.03 |  | 353.76 |  | 353.16 |  | 352.64 | 352.54 |  | 351.80 |  | 351.60 | 351.67 |  | 352.17 |  |
| + FILL DEPTH<br>- CUT DEPTH | -0.50  | -0.52  |  | -0.61  |  |  | -0.69  | -0.69  |  | -0.73  |  | -0.94  | -0.98  |  | -1.11  |  | -1.24  | -1.27  | -1.26  |  | -1.24  | -1.23  | -1.22  |  | -1.08  |  | -0.61  |  | -0.20  | -0.12  |  | 0.49   |  | 0.56   | 0.47   |  | -0.14  |  |
| DESIGN LEVEL                | 353.85 | 353.83 |  | 353.72 |  |  | 353.60 | 353.59 |  | 353.46 |  | 353.33 | 353.30 |  | 353.20 |  | 353.07 | 353.00 | 352.94 |  | 352.82 | 352.81 | 352.81 |  | 352.68 |  | 352.55 |  | 352.45 | 352.42 |  | 352.29 |  | 352.16 | 352.14 |  | 352.03 |  |
| CHAINAGE                    | 390.00 | 391.24 |  | 400.00 |  |  | 409.40 | 410.00 |  | 420.00 |  | 430.00 | 432.20 |  | 440.00 |  | 450.00 | 455.49 | 460.00 |  | 469.18 | 470.00 | 470.37 |  | 480.00 |  | 490.00 |  | 497.86 | 500.00 |  | 510.00 |  | 520.00 | 521.74 |  | 530.00 |  |

SCALE 1:500 HORIZ  
1:500 VERT

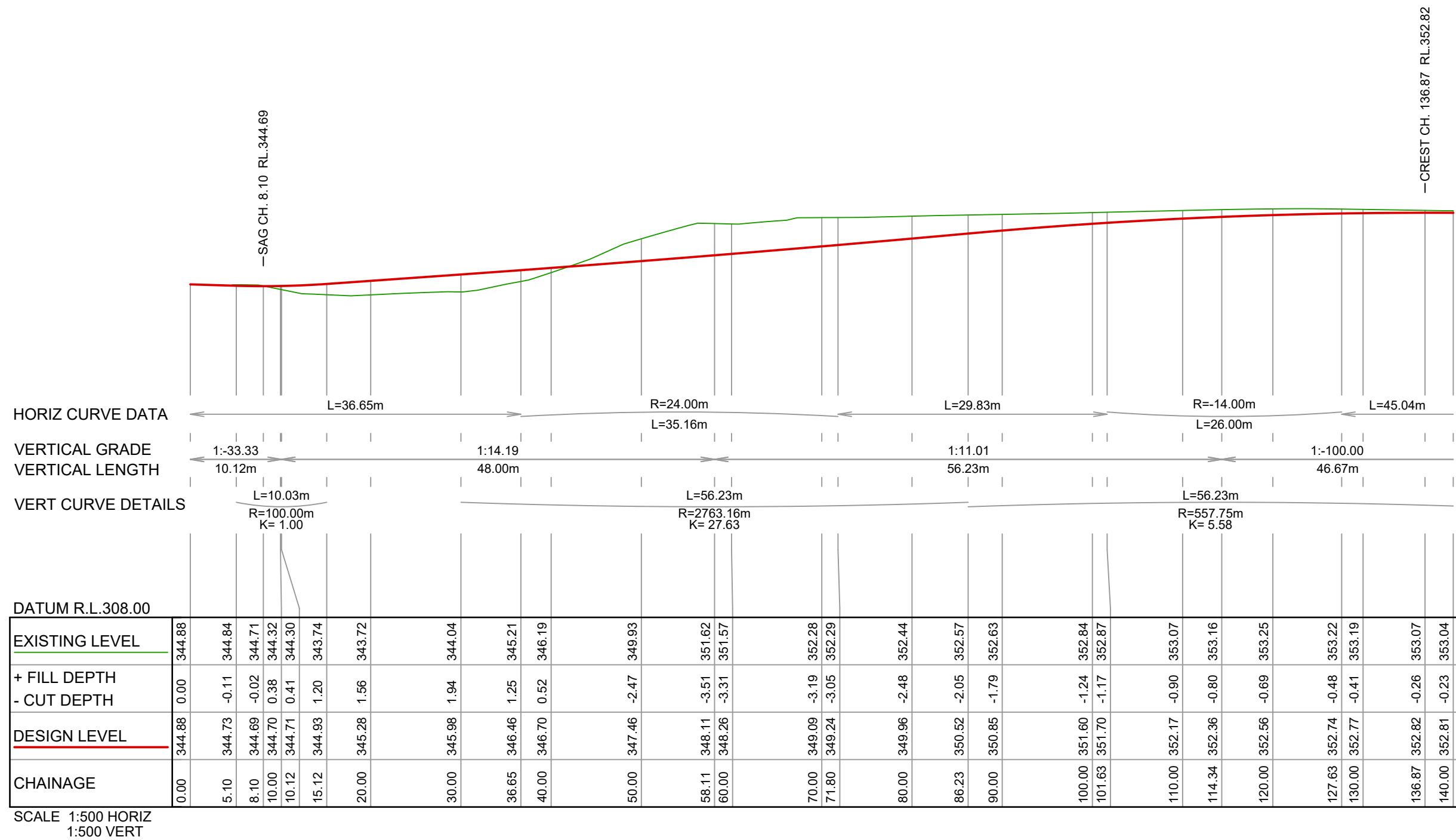




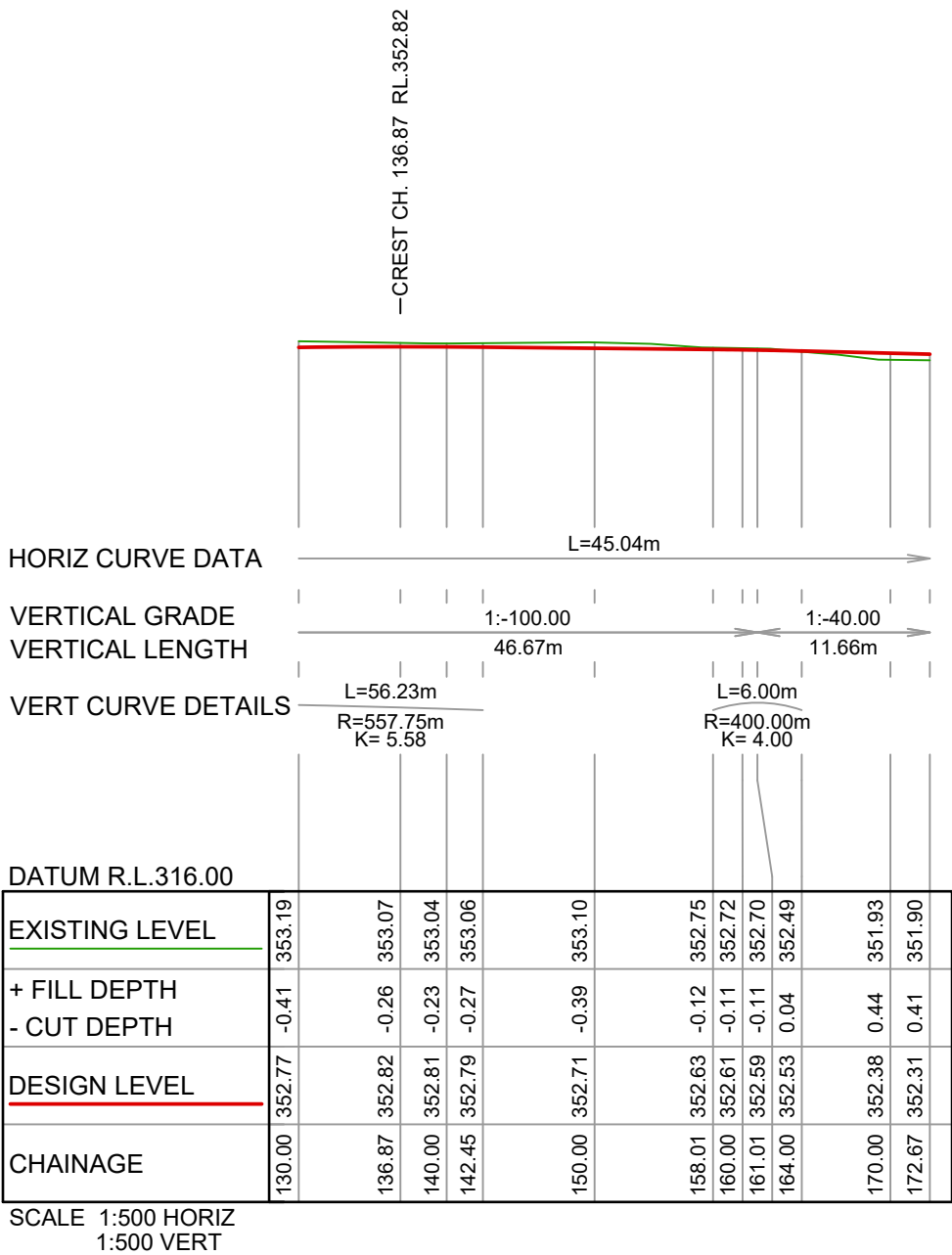




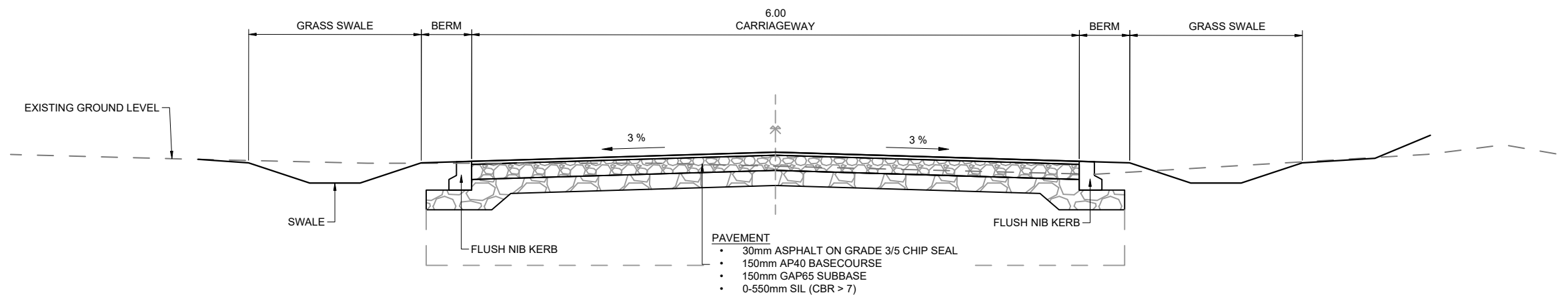




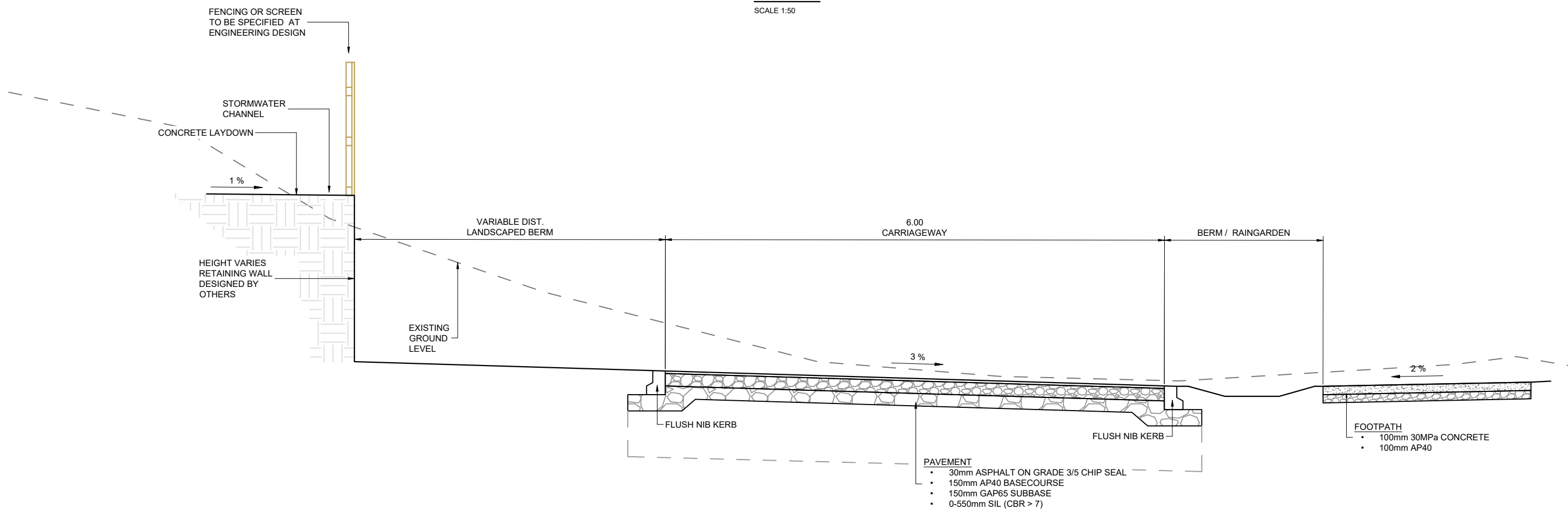






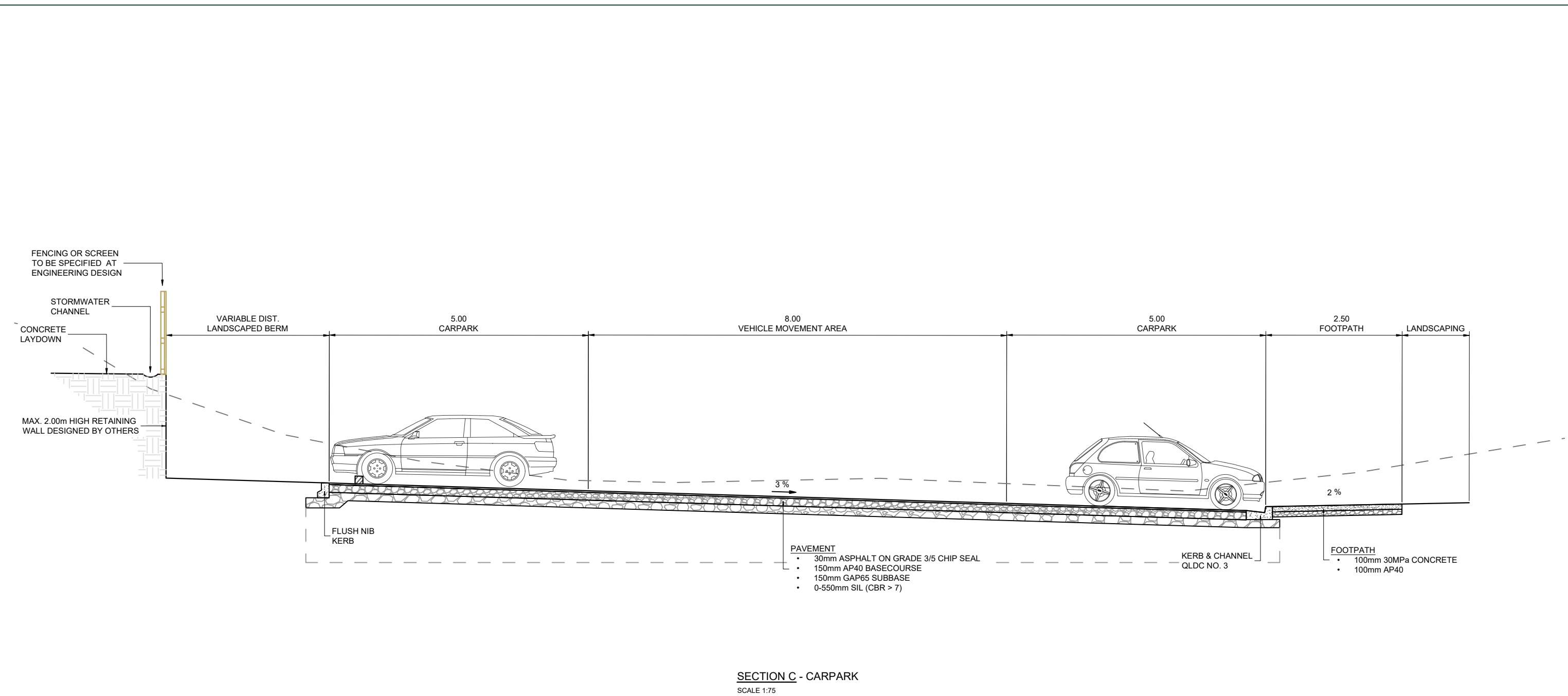


SECTION A - ROAD 1  
SCALE 1:50

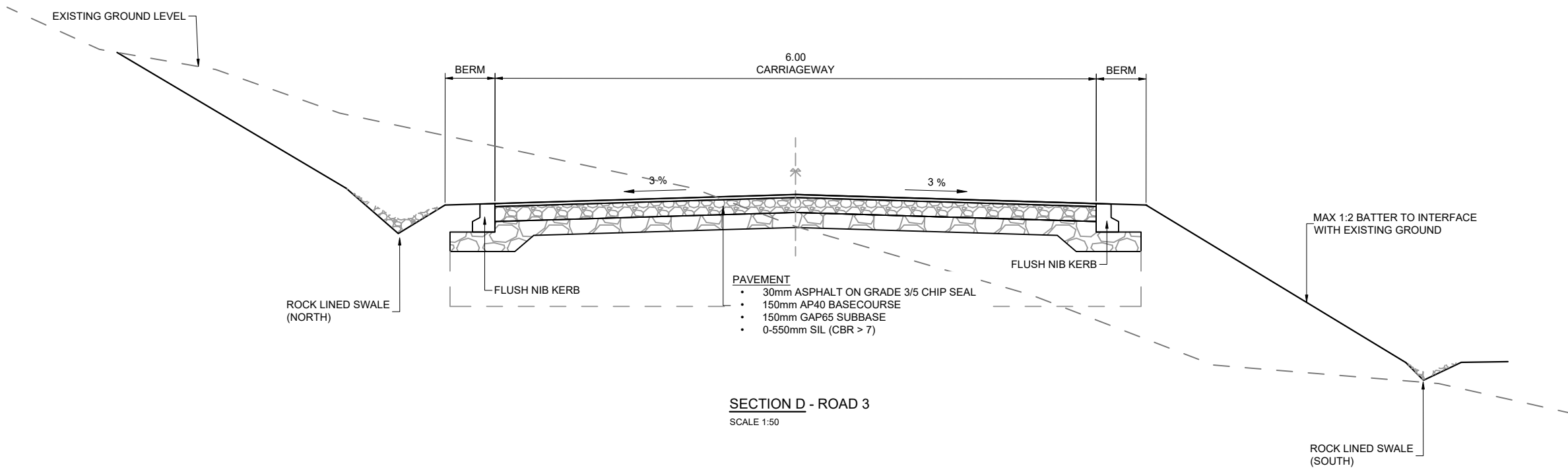


SECTION B - ROAD 1  
SCALE 1:50

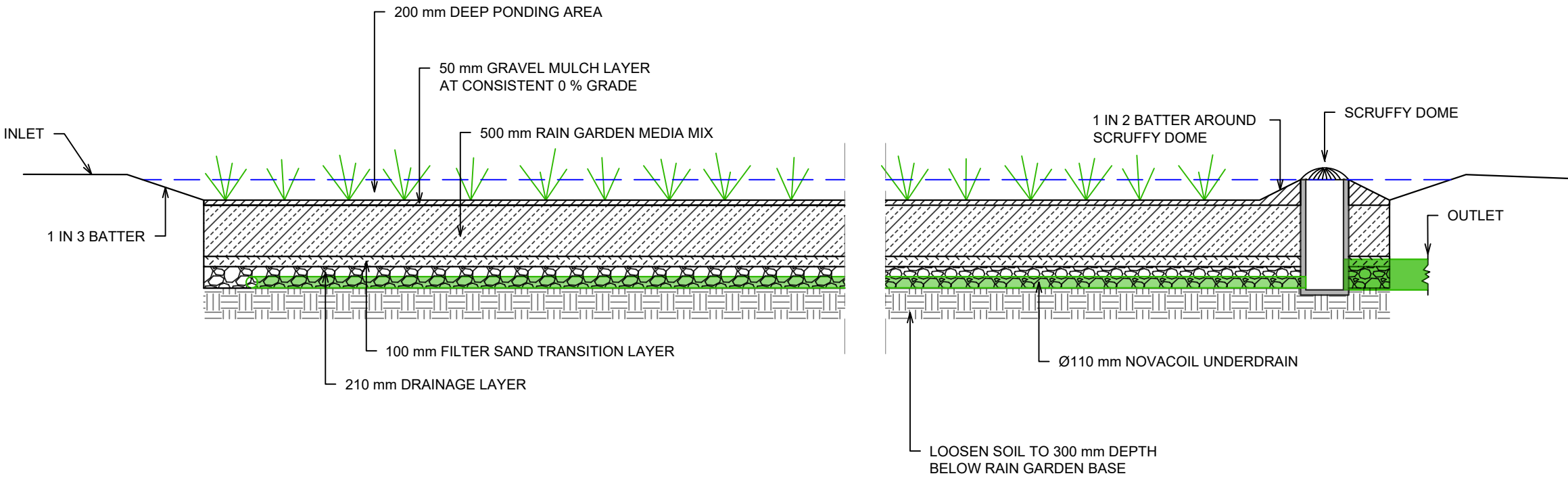




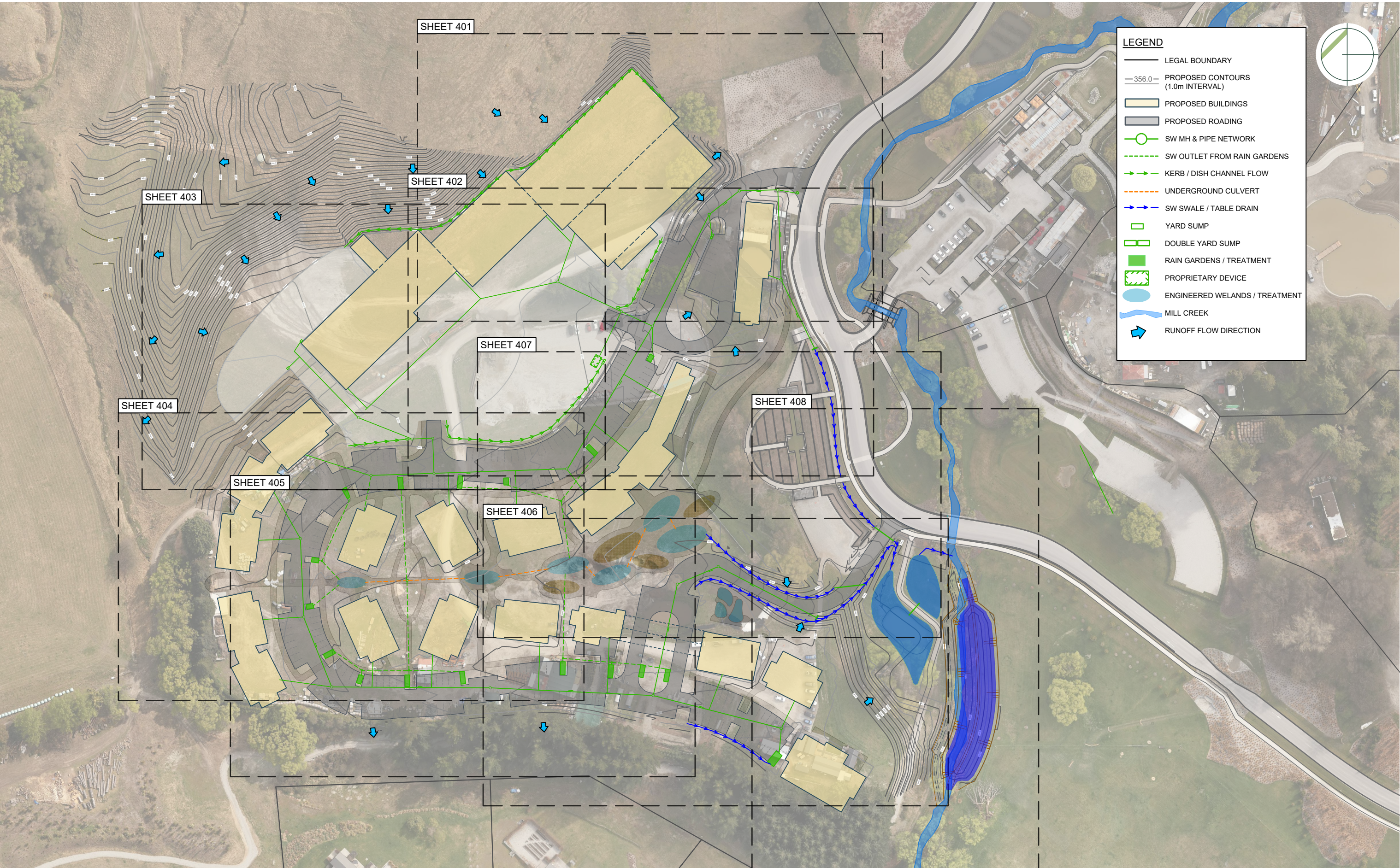




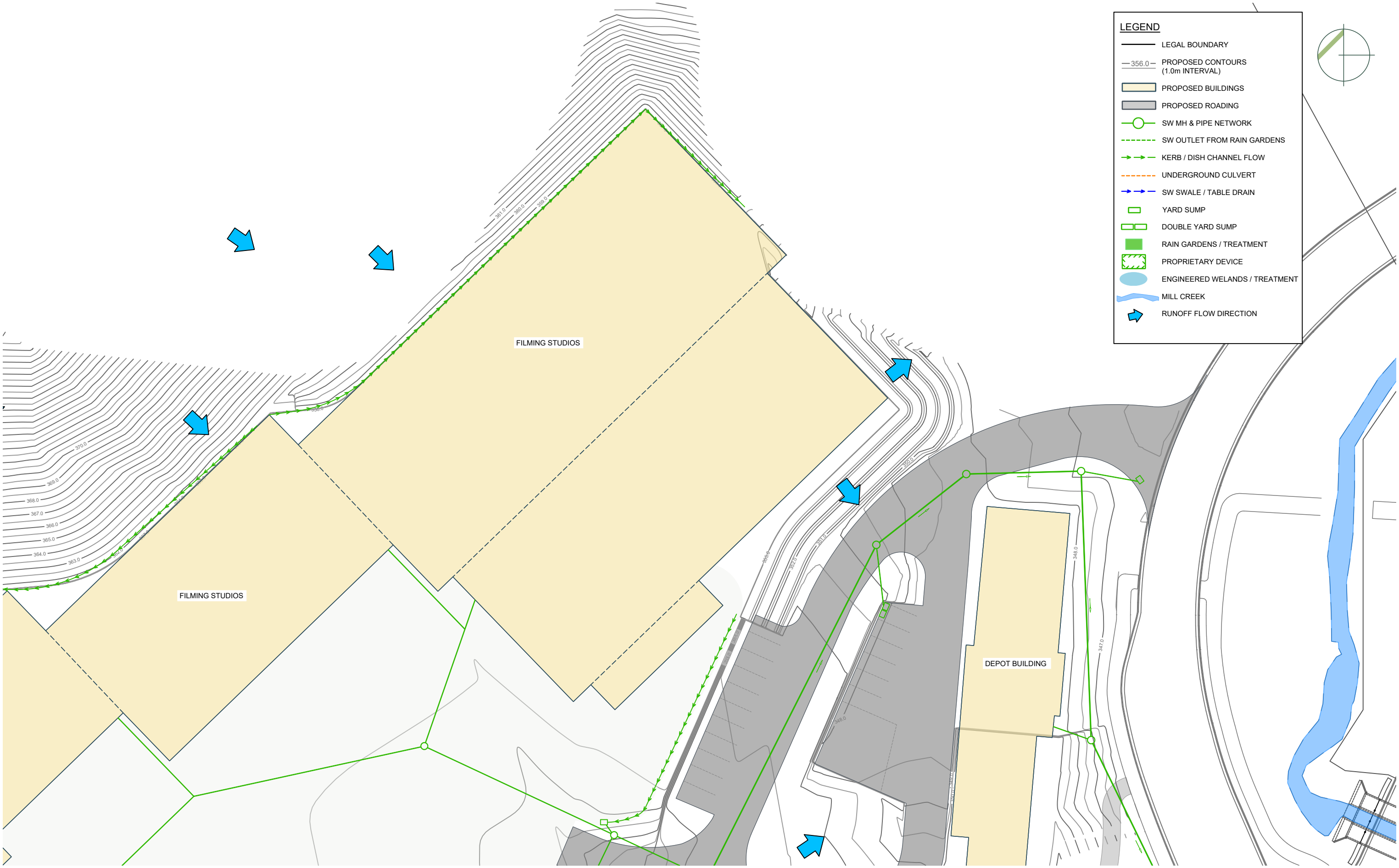




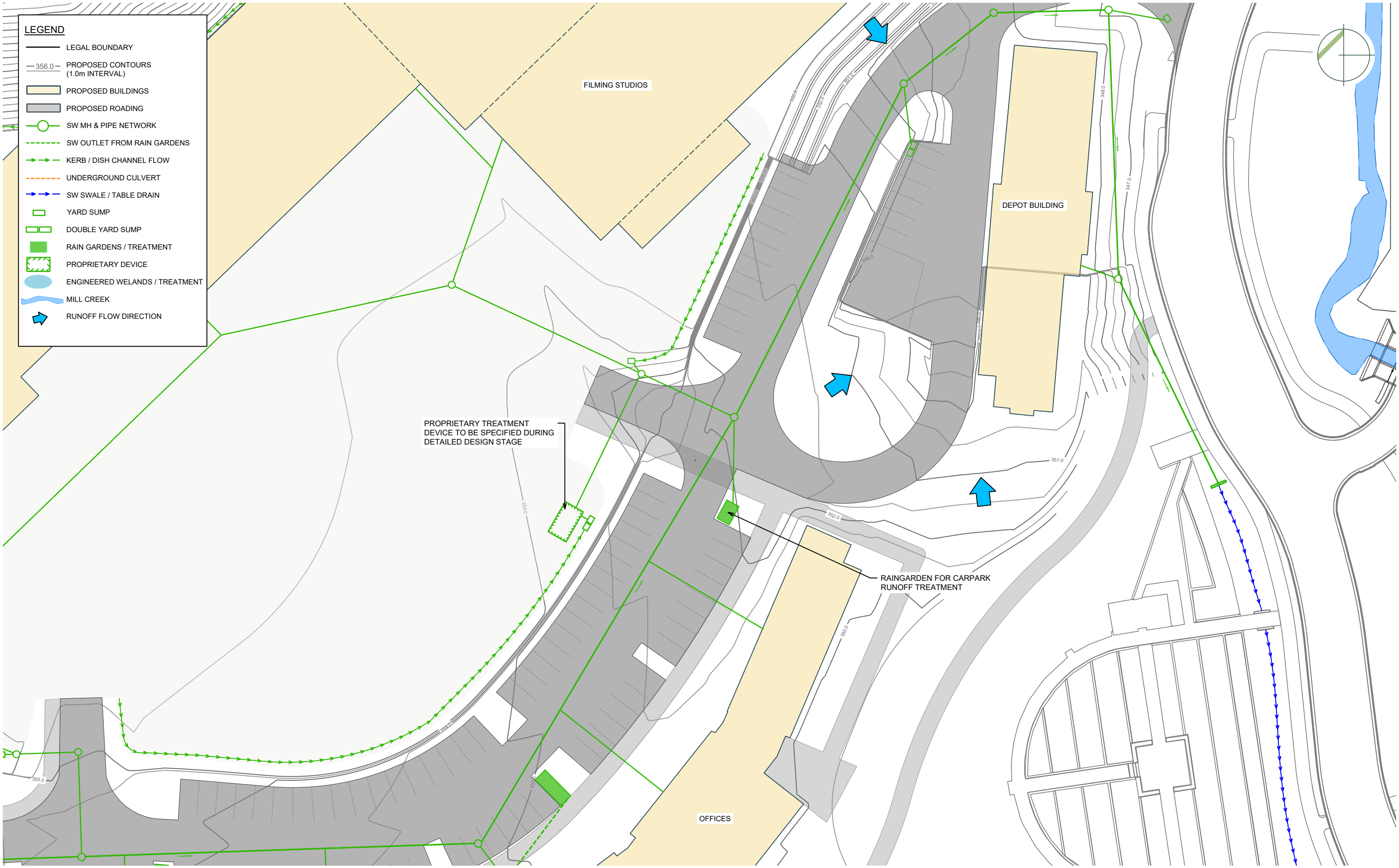








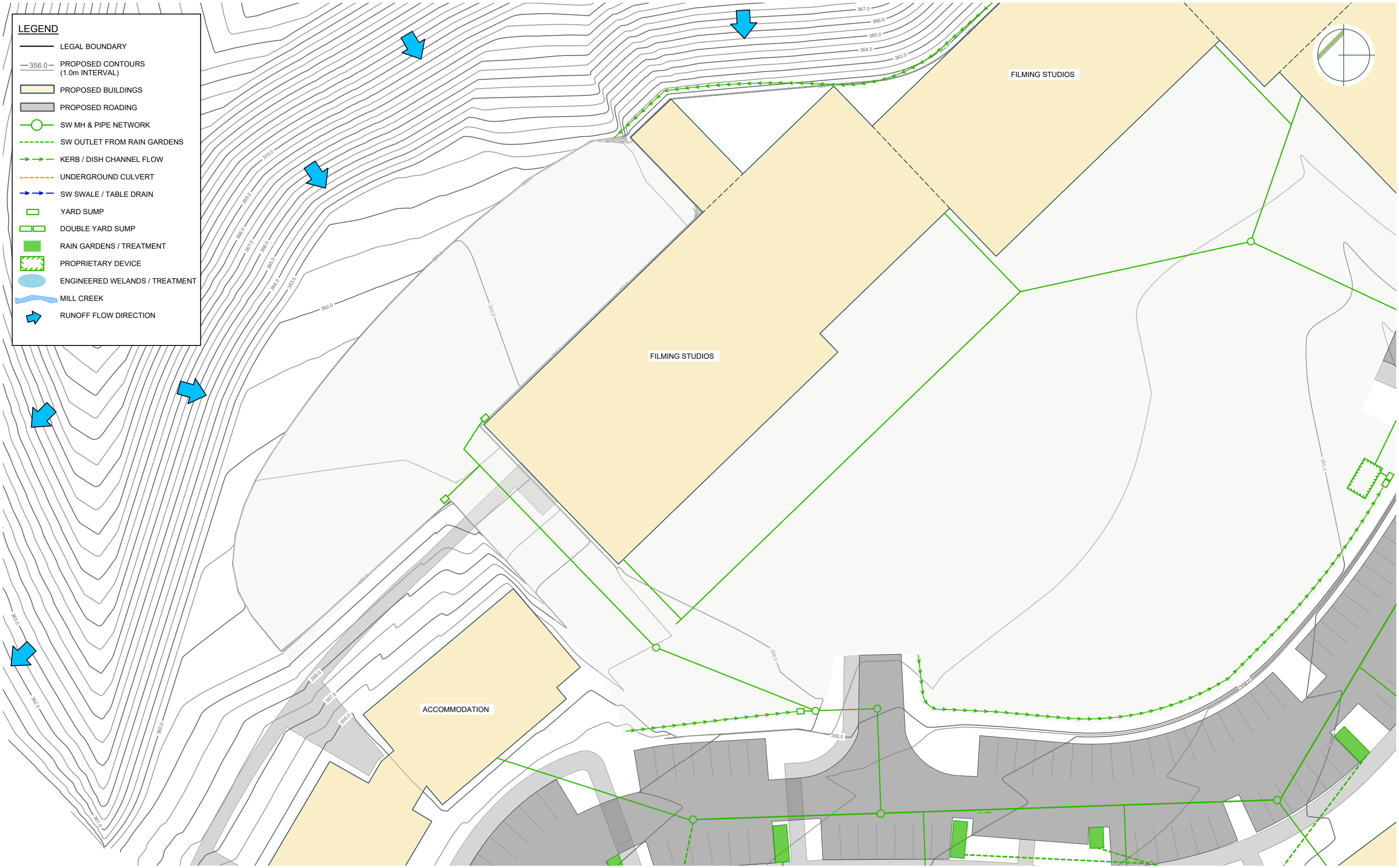




**LEGEND**

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- SW MH & PIPE NETWORK
- SW OUTLET FROM RAIN GARDENS
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WELANDS / TREATMENT
- MILL CREEK
- RUNOFF FLOW DIRECTION

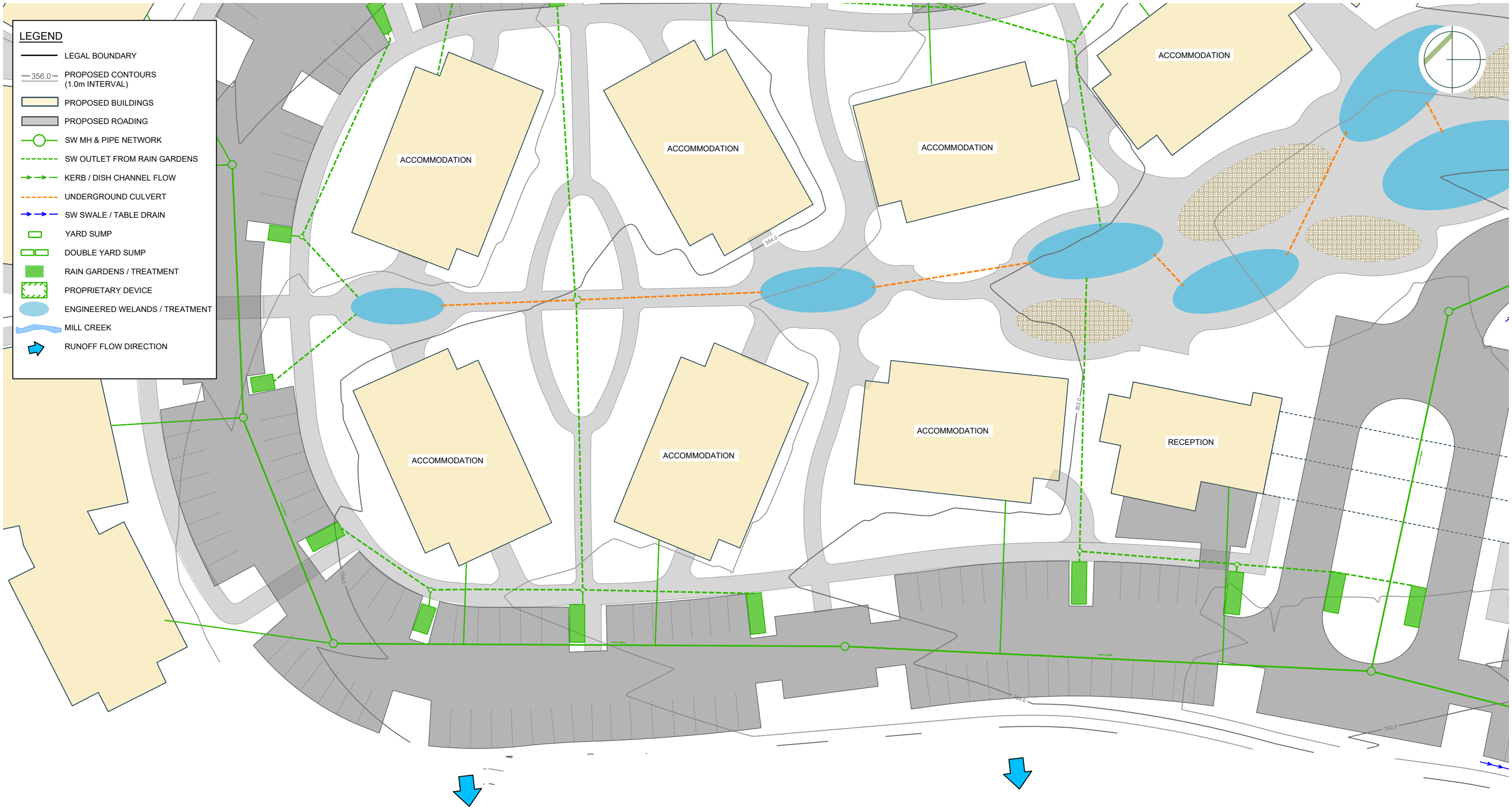








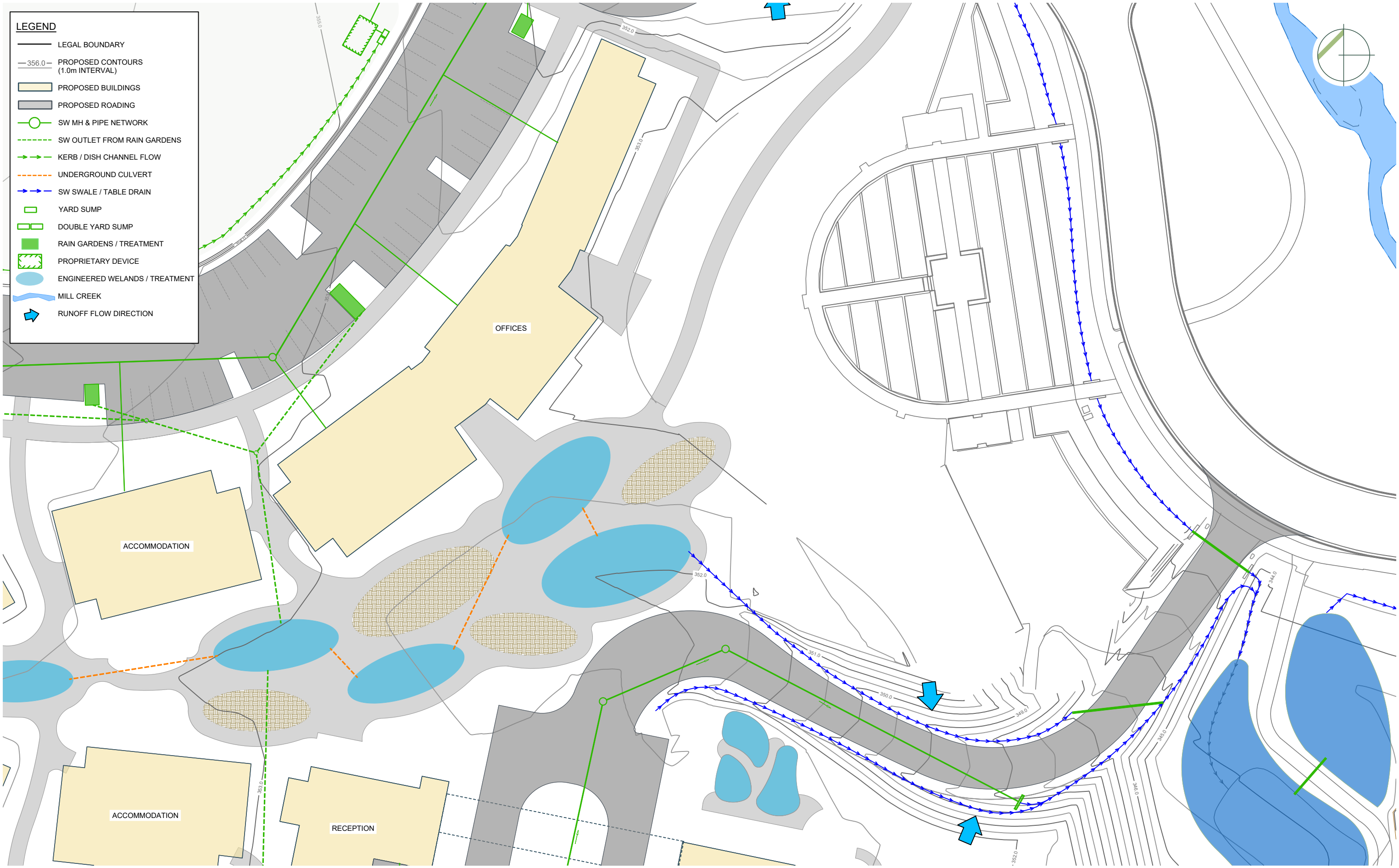












LEGEND

LEGAL BOUNDARY

356.0 PROPOSED CONTOURS  
(1.0m INTERVAL)

PROPOSED BUILDINGS

PROPOSED ROADING

SW MH & PIPE NETWORK

SW OUTLET FROM RAIN GARDENS

KERB / DISH CHANNEL FLOW

UNDERGROUND CULVERT

SW SWALE / TABLE DRAIN

YARD SUMP

DOUBLE YARD SUMP

RAIN GARDENS / TREATMENT

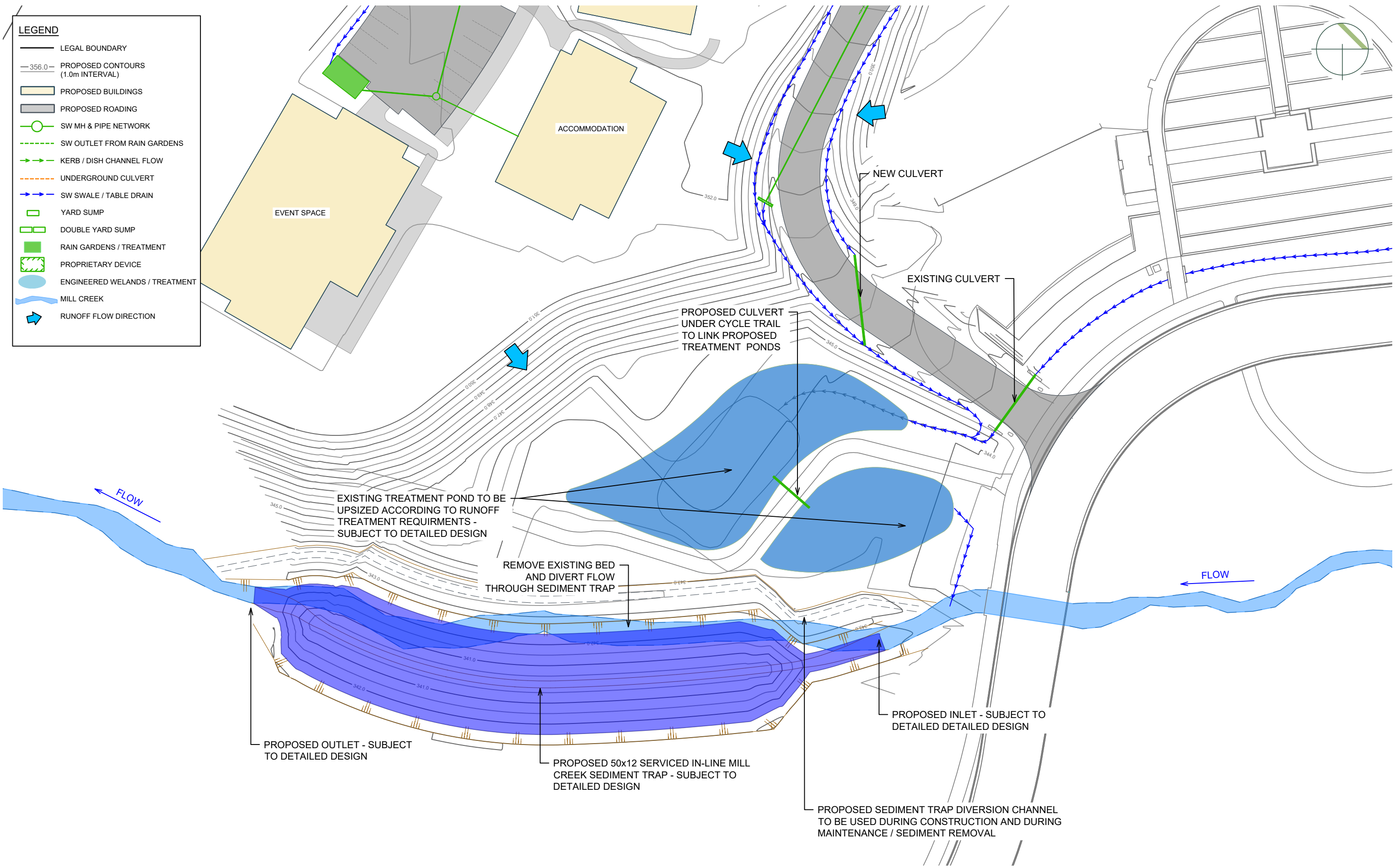
PROPRIETARY DEVICE

ENGINEERED WELANDS / TREATMENT

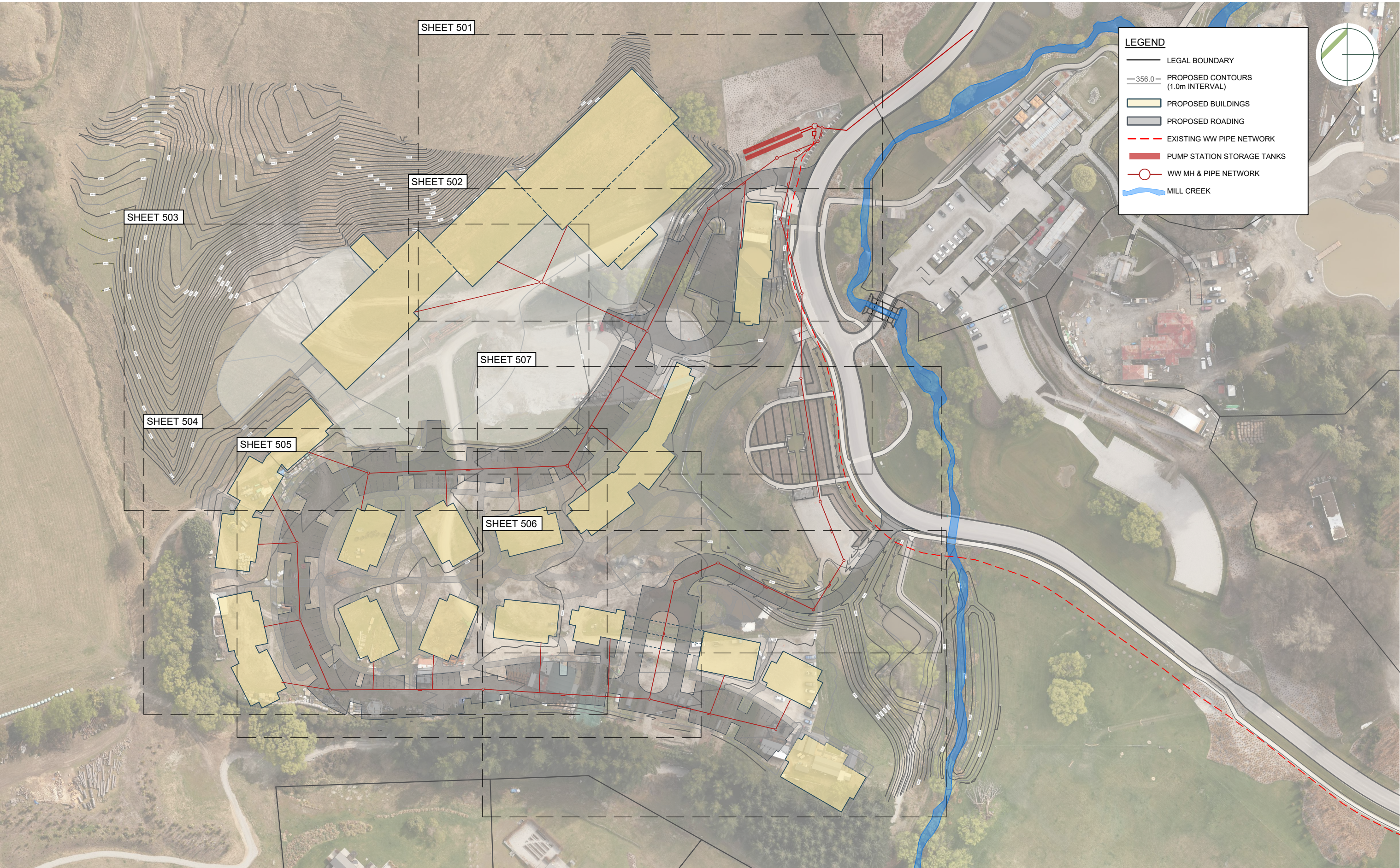
MILL CREEK

RUNOFF FLOW DIRECTION

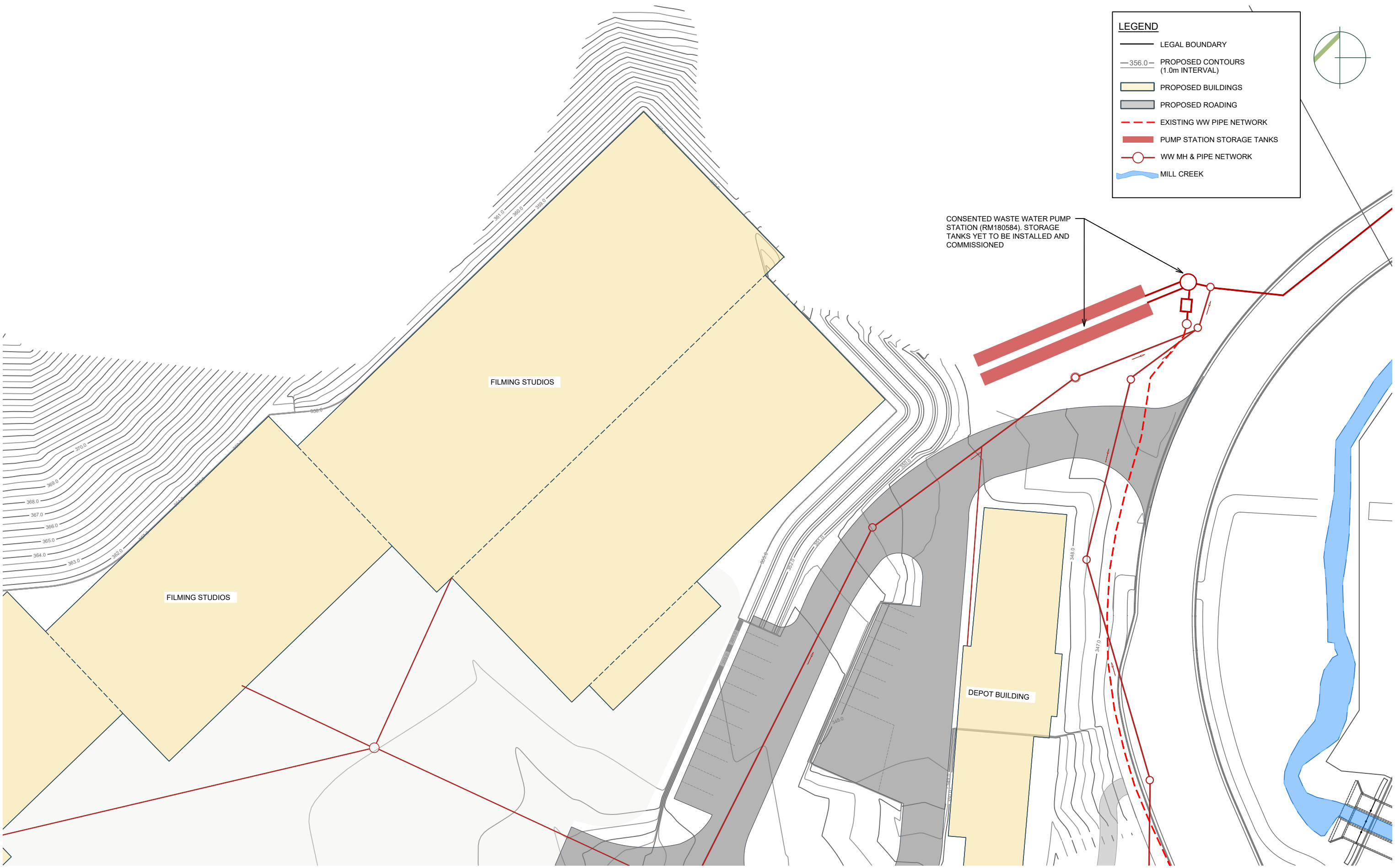






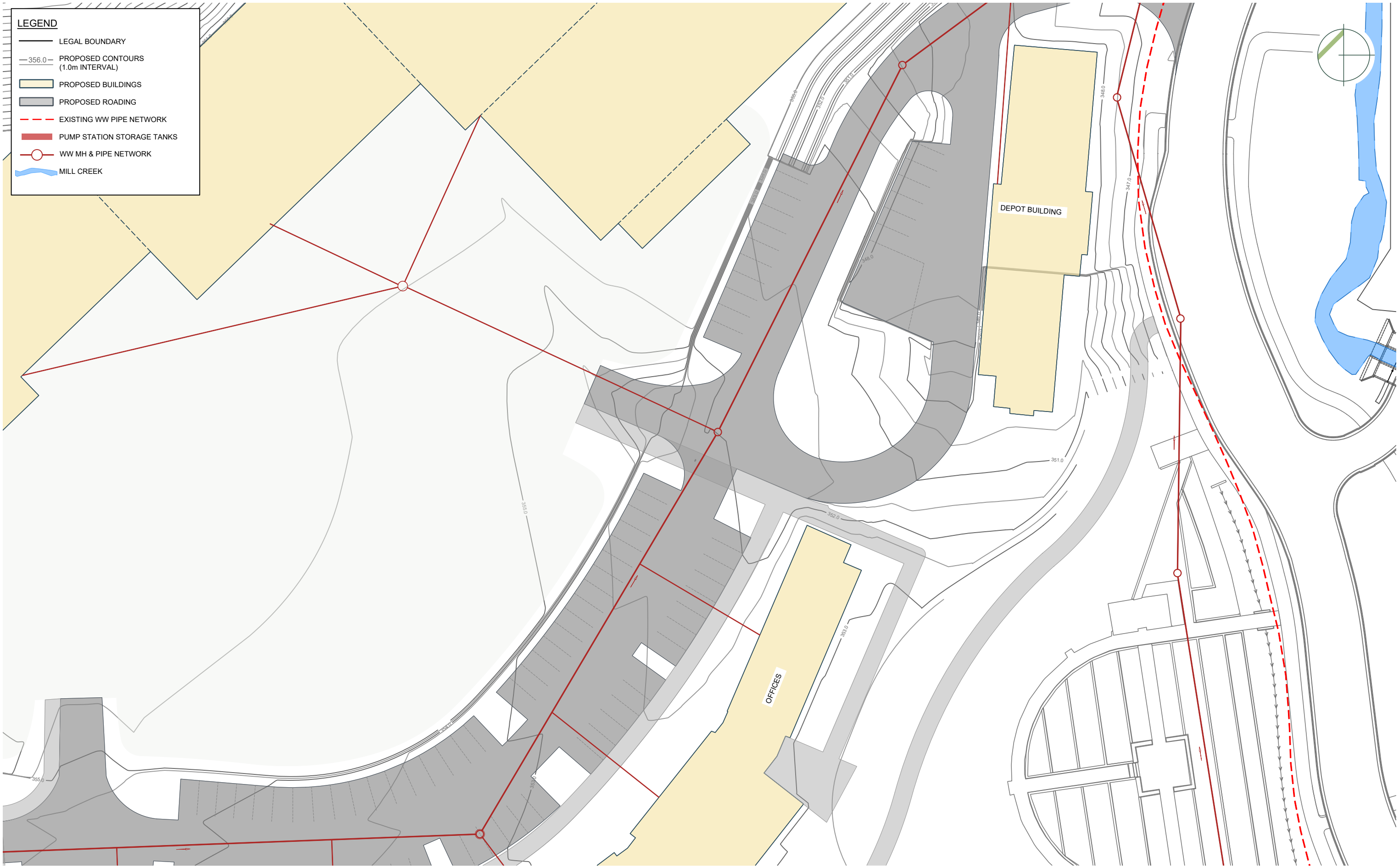






|                                                                                 |  |                        |  |                          |        |      |             |          |          |            |            |            |       |
|---------------------------------------------------------------------------------|--|------------------------|--|--------------------------|--------|------|-------------|----------|----------|------------|------------|------------|-------|
| DRAWING TITLE                                                                   |  | DATUM INFORMATION      |  | REV                      | DRAWN  | DATE | NOTE        | SURVEYED | PAT      | 05.09.2024 | PROJECT    | P240664    |       |
| AYRBURN SCREEN HUB - LOT 4 DP 540788<br>CONSENT DRAWINGS<br>WASTEWATER DRAINAGE |  | COORDINATE SYSTEM      |  | NZGD2000                 | A      | AH   | 29.11.2024  | -        | DESIGNED | AH         | 06.11.2024 | DRAWING NO | 007   |
|                                                                                 |  | MOUNT NICHOLAS CIRCUIT |  |                          |        |      |             |          | DRAWN    | AH         | 29.11.2024 | SHEET      | 501   |
|                                                                                 |  | DATUM                  |  | DUNEHT1958               |        |      |             |          | REVIEWED | SP         | 09.12.2024 | REVISION   | A     |
|                                                                                 |  | ORIGIN OF COORDINATES  |  | IT X DP 23038            |        |      |             |          | APPROVED | SP         | 10.12.2024 | SCALE (A3) | 1:500 |
|                                                                                 |  | ORIGIN OF LEVELS       |  | IT X DP 23038 : 358.566m | STATUS |      | FOR CONSENT |          |          |            |            |            |       |
| © Paterson Pitts Limited Partnership                                            |  |                        |  |                          |        |      |             |          |          |            |            |            |       |







LEGEND

LEGAL BOUNDARY

PROPOSED CONTOURS  
(1.0m INTERVAL)

PROPOSED BUILDINGS

PROPOSED ROADING

EXISTING WW PIPE NETWORK

PUMP STATION STORAGE TANKS

WW MH & PIPE NETWORK

MILL CREEK

patersons.

Land Professionals

WINTON

BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WASTEWATER DRAINAGE

DATUM INFORMATION

COORDINATE SYSTEM

DATUM

ORIGIN OF COORDINATES

ORIGIN OF LEVELS

NZGD2000

MOUNT NICHOLAS CIRCUIT

DUNEHT1958

IT X DP 23038

IT X DP 23038 : 358.566m

REV

DRAWN

DATE

NOTE

A

AH

29.11.2024

-

STATUS

FOR CONSENT

SURVEYED

PAT

05.09.2024

DESIGNED

AH

06.11.2024

DRAWN

AH

29.11.2024

REVIEWED

SP

09.12.2024

APPROVED

SP

10.12.2024

© Paterson Pitts Limited Partnership

PROJECT

DRAWING NO

SHEET

REVISION

SCALE (A3)

P240664

007

503

A

1:500



