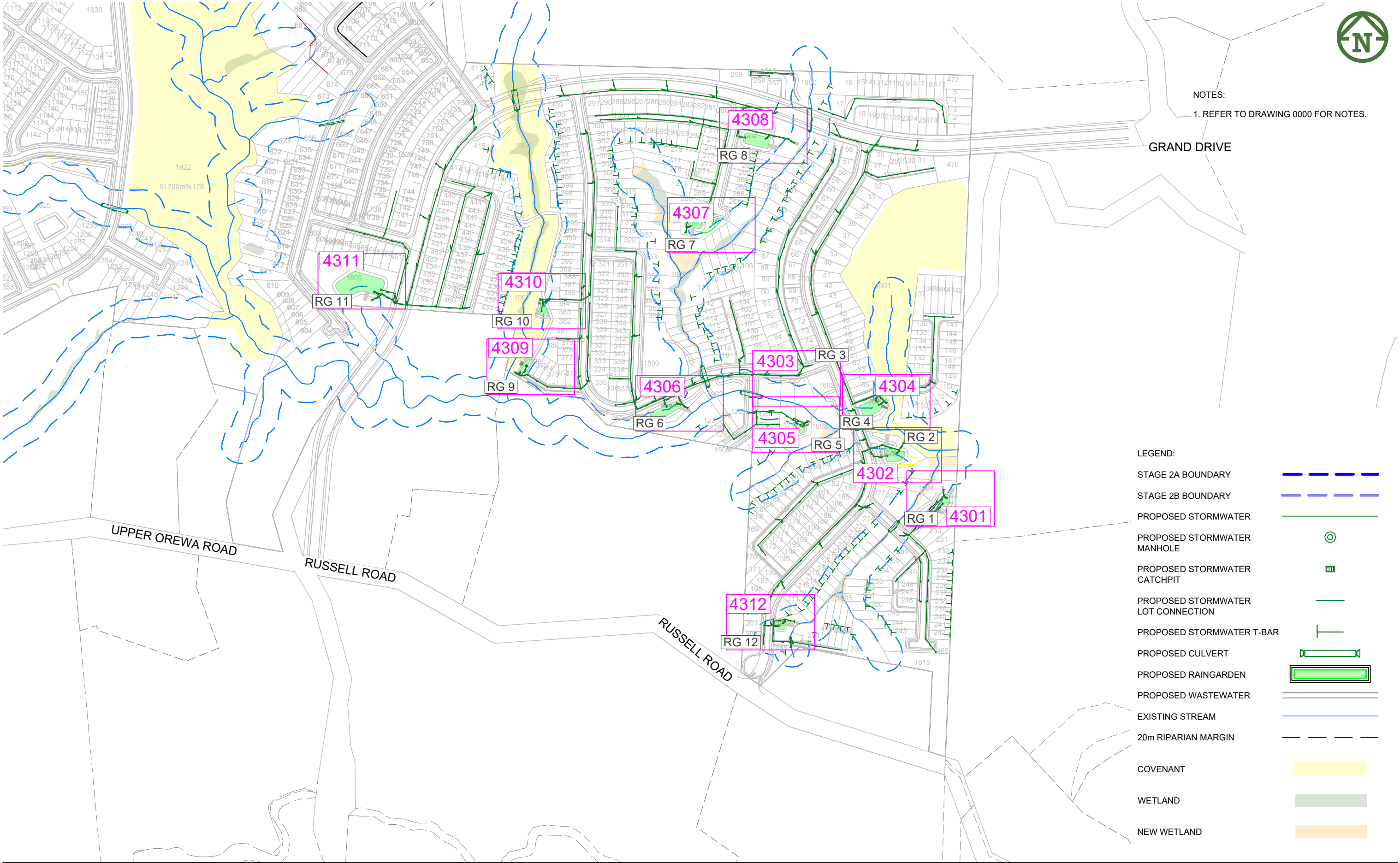




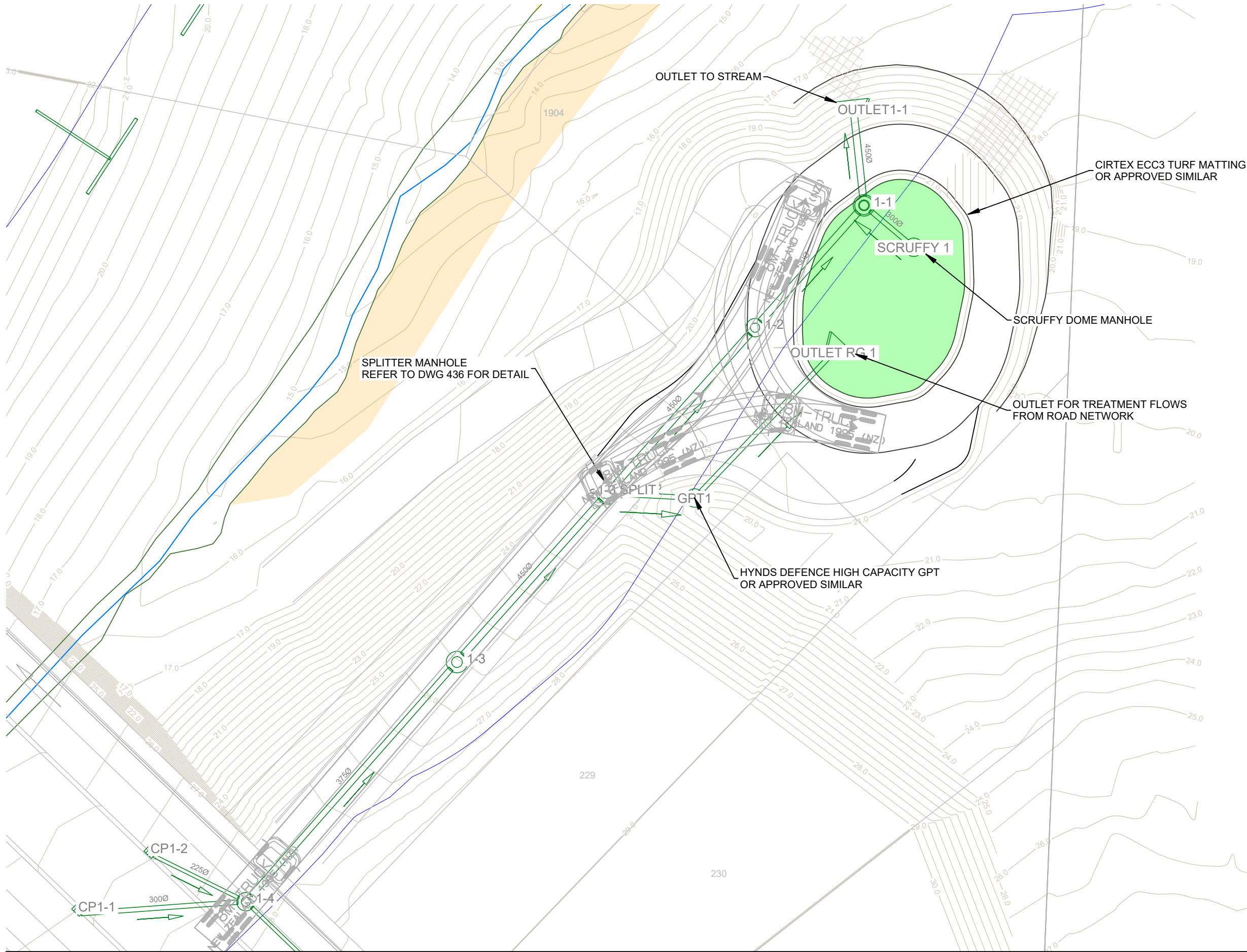
NOTES:  
1. REFER TO DRAWING 0000 FOR NOTES.

- LEGEND:
- STAGE 2A BOUNDARY
  - STAGE 2B BOUNDARY
  - PROPOSED STORMWATER
  - PROPOSED STORMWATER MANHOLE
  - PROPOSED STORMWATER CATCHPIT
  - PROPOSED STORMWATER LOT CONNECTION
  - PROPOSED STORMWATER T-BAR
  - PROPOSED CULVERT
  - PROPOSED RAINGARDEN
  - PROPOSED WASTEWATER
  - EXISTING STREAM
  - 20m RIPARIAN MARGIN
  - COVENANT
  - WETLAND
  - NEW WETLAND





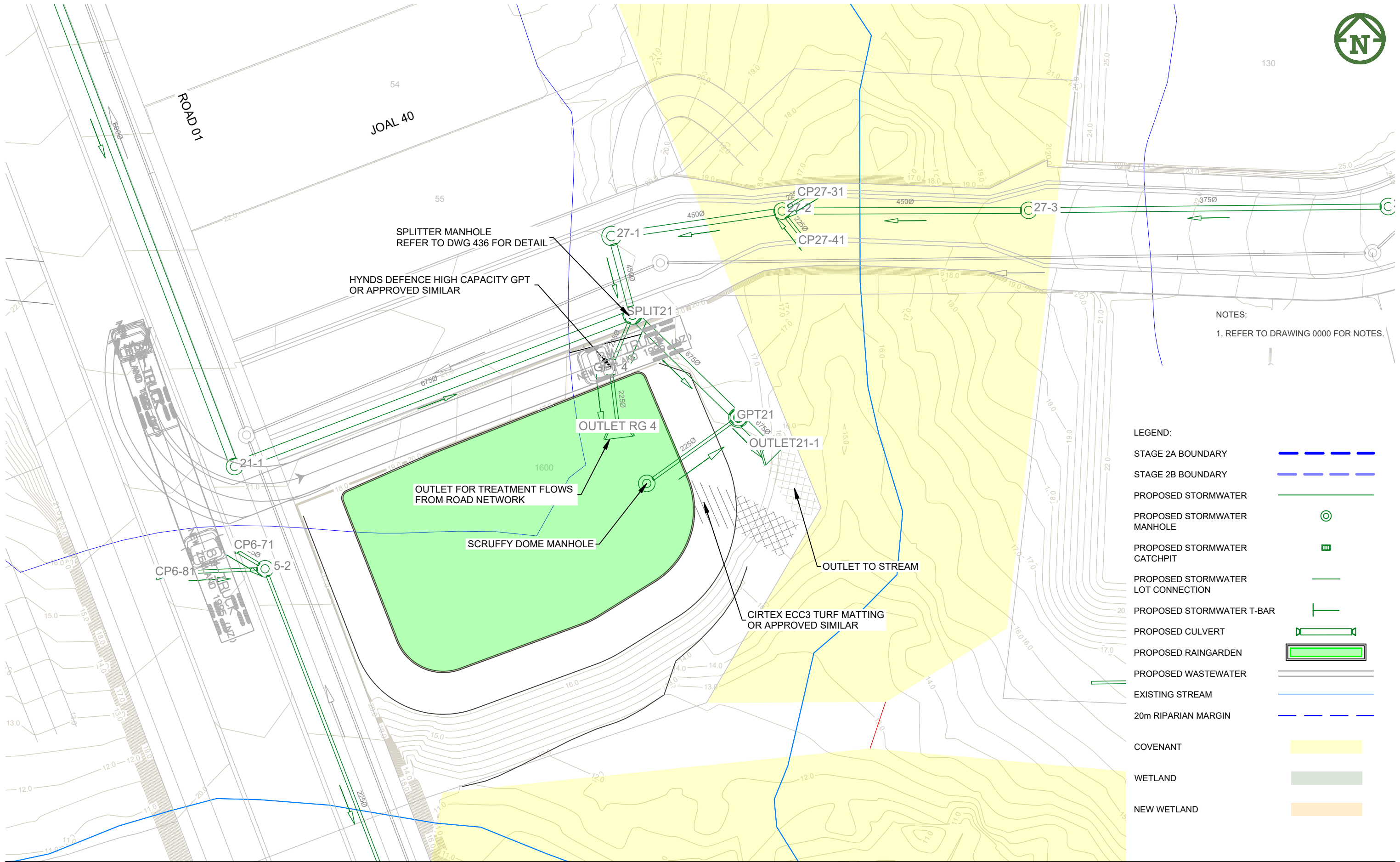
NOTES:  
1. REFER TO DRAWING 0000 FOR NOTES.



| LEGEND:                            |     |
|------------------------------------|-----|
| STAGE 2A BOUNDARY                  | --- |
| STAGE 2B BOUNDARY                  | --- |
| PROPOSED STORMWATER                | --- |
| PROPOSED STORMWATER MANHOLE        | ⊙   |
| PROPOSED STORMWATER CATCHPIT       | ⊞   |
| PROPOSED STORMWATER LOT CONNECTION | --- |
| PROPOSED STORMWATER T-BAR          | ⊥   |
| PROPOSED CULVERT                   | ⌈⌋  |
| PROPOSED RAINGARDEN                | ⌈⌋  |
| PROPOSED WASTEWATER                | --- |
| EXISTING STREAM                    | --- |
| 20m RIPARIAN MARGIN                | --- |
| COVENANT                           | --- |
| WETLAND                            | --- |
| NEW WETLAND                        | --- |

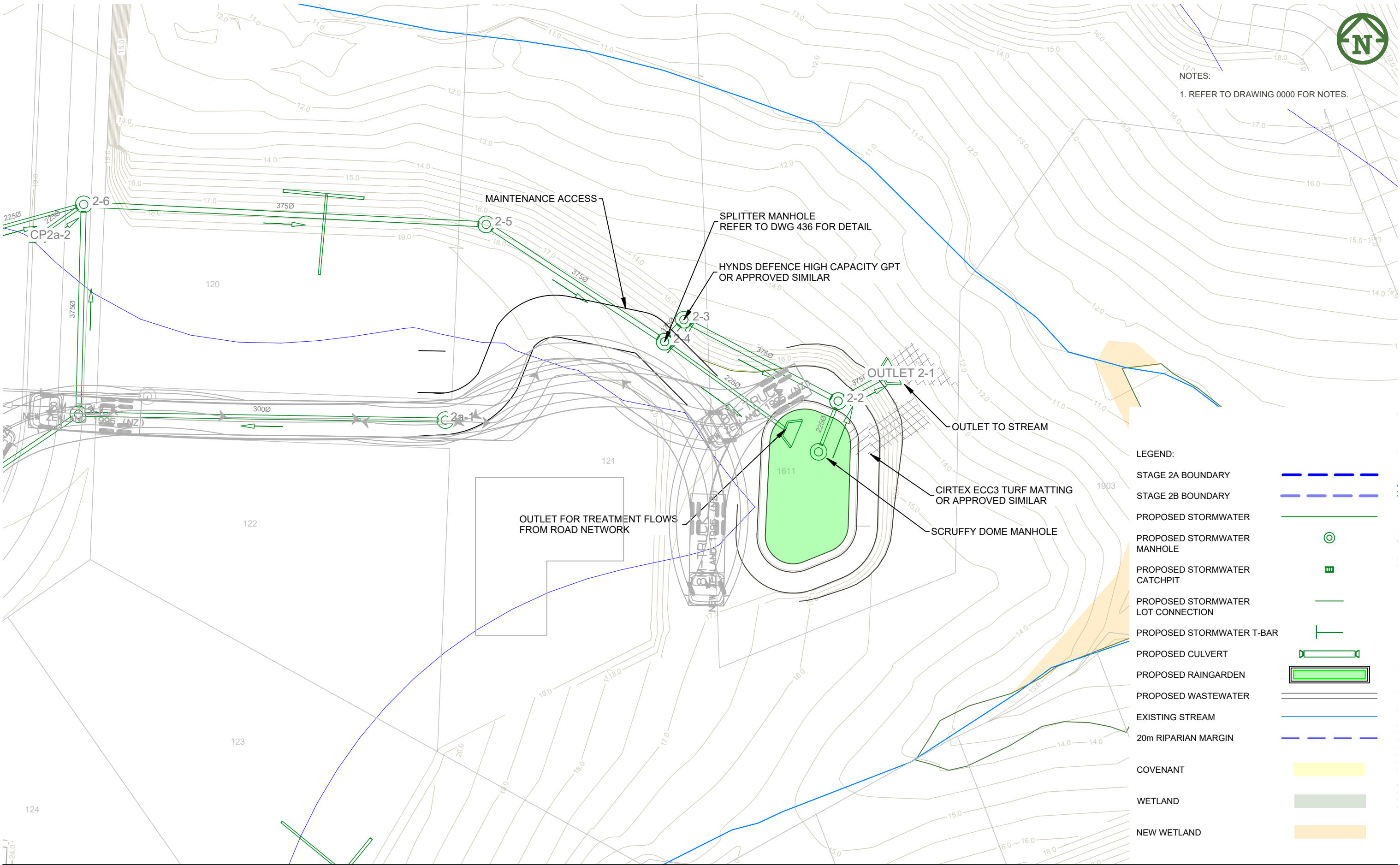
|                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| CLIENT:                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | PROJECT:                                                |  |  |  |  |  |  |  |  |  | TITLE:                     |  |  |  |  |  |  |  |  |  | PURPOSE OF ISSUE:                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| VINEWAY LIMITED                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | DELMORE<br>STAGE 1<br>53A, 53B & 55 RUSSELL RD<br>OREWA |  |  |  |  |  |  |  |  |  | STORMWATER<br>RAINGARDEN 1 |  |  |  |  |  |  |  |  |  | RESOURCE CONSENT                                                                                                                                              |  |  |  |  |  |  |  |  |  |
|                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| E FOR RESOURCE CONSENT SJO PO JK 2/07/2025                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| D FOR TENDER MO PO 15/05/2025                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| C FOR RESOURCE CONSENT NC PO JK 5/02/2025                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| B FOR RESOURCE CONSENT NC PO JK 31/01/2025                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| A FIRST ISSUE 20/12/2024                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| REV DESCRIPTION DRN BY CHK BY APP BY DATE                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  | SCALE:<br><b>1:250 @ A3</b><br>DO NOT SCALE                                                                                                                   |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  | DRAWING NO: 3725-1-4301 REV: E                                                                                                                                |  |  |  |  |  |  |  |  |  |
| PLOT DATE Wed Jul 2 16:11:10 2025 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE |  |  |  |  |  |  |  |  |  |                                                         |  |  |  |  |  |  |  |  |  |                            |  |  |  |  |  |  |  |  |  | c:\12d\stage1\mckf501\3725 Delmore - 53A, 53B & 55 Russell Road, Orewa, Delmore_4684\06_Engineering Design\6.4_12d\Stage 1 Plotting\12dmodel Stage 1 Plotting |  |  |  |  |  |  |  |  |  |



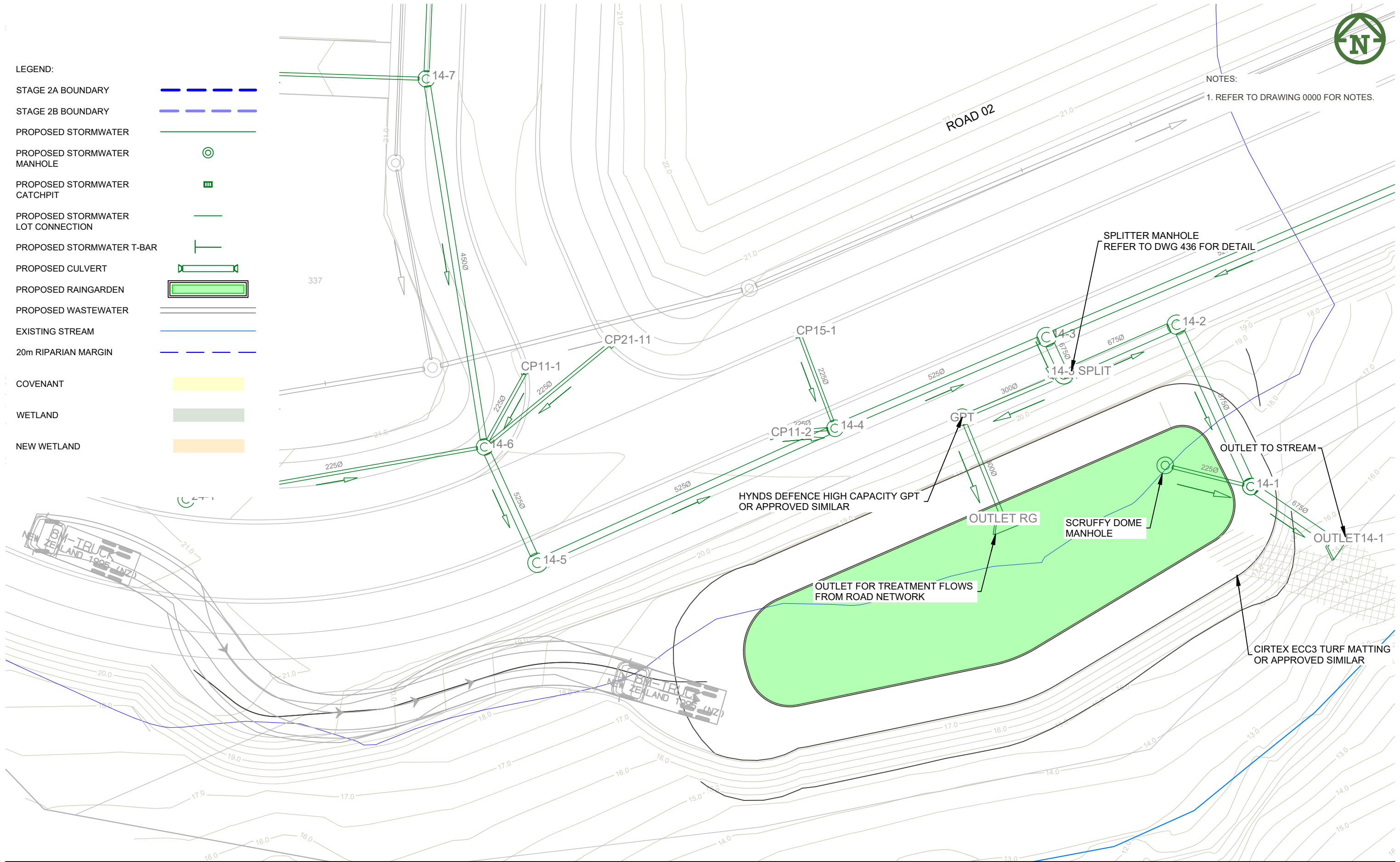


NOTES:  
1. REFER TO DRAWING 0000 FOR NOTES.

- LEGEND:
- STAGE 2A BOUNDARY
  - STAGE 2B BOUNDARY
  - PROPOSED STORMWATER
  - PROPOSED STORMWATER MANHOLE
  - PROPOSED STORMWATER CATCHPIT
  - PROPOSED STORMWATER LOT CONNECTION
  - PROPOSED STORMWATER T-BAR
  - PROPOSED CULVERT
  - PROPOSED RAINGARDEN
  - PROPOSED WASTEWATER
  - EXISTING STREAM
  - 20m RIPARIAN MARGIN
  - COVENANT
  - WETLAND
  - NEW WETLAND



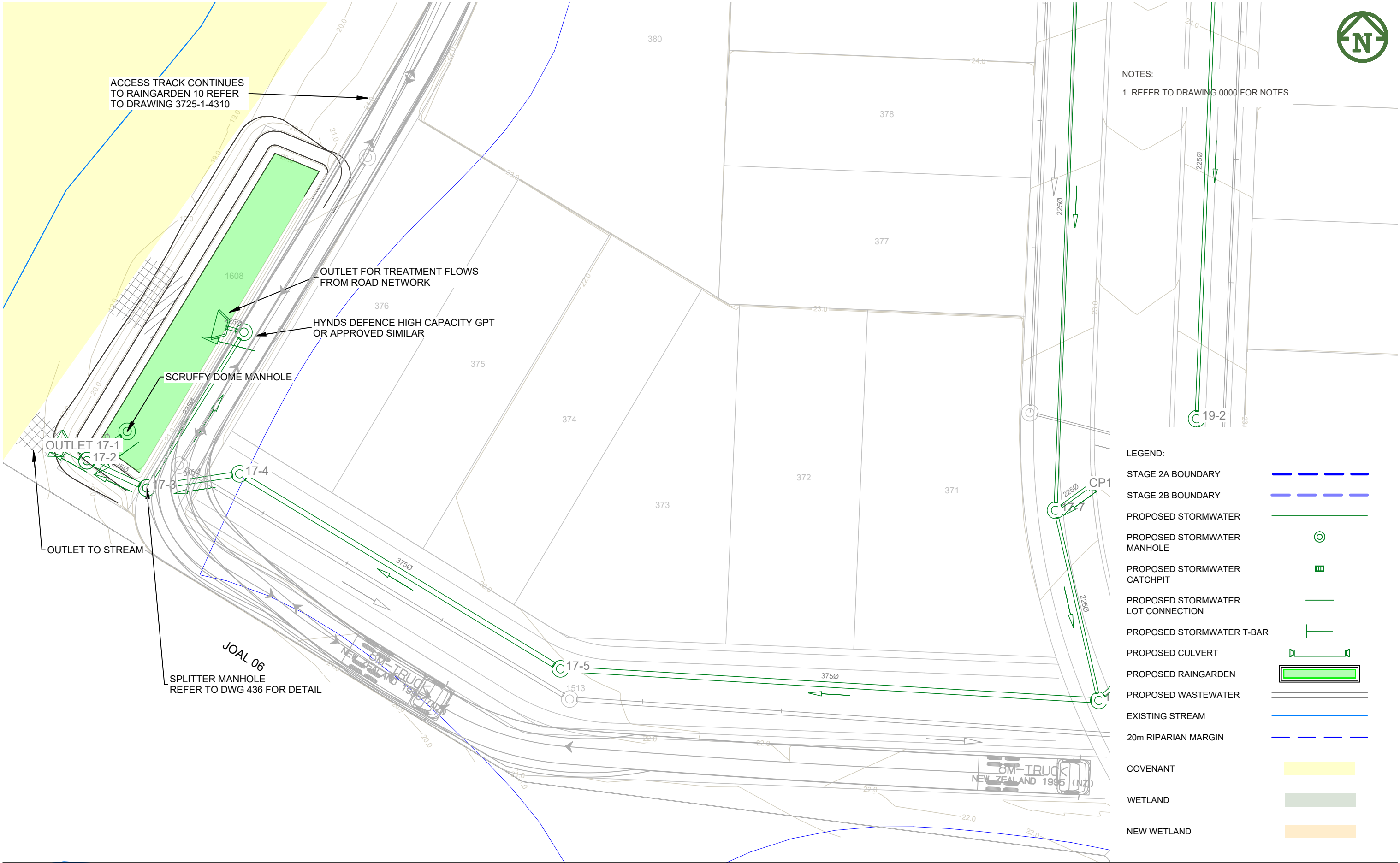
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|-----------------------------------|--|--|--|---------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------|--|--|--|--------------|--|--|--|-------------------|--|--|--|
| E FOR RESOURCE CONSENT            |  |  |  | SJO PO JK 2/07/2025       |  |  |  | VINEWAY LIMITED                                                                                                                                     |  |  |  | DELMORE                  |  |  |  | STORMWATER   |  |  |  | PURPOSE OF ISSUE: |  |  |  |
| D FOR TENDER                      |  |  |  | MO PO 15/05/2025          |  |  |  |                                                                                                                                                     |  |  |  | STAGE 1                  |  |  |  | RAINGARDEN 5 |  |  |  | RESOURCE CONSENT  |  |  |  |
| C FOR RESOURCE CONSENT            |  |  |  | NC PO JK 5/02/2025        |  |  |  |                                                                                                                                                     |  |  |  |                          |  |  |  |              |  |  |  | SCALE:            |  |  |  |
| B FOR RESOURCE CONSENT            |  |  |  | NC PO JK 31/01/2025       |  |  |  |                                                                                                                                                     |  |  |  | 53A, 53B & 55 RUSSELL RD |  |  |  |              |  |  |  | 1:250 @ A3        |  |  |  |
| A FIRST ISSUE                     |  |  |  | 20/12/2024                |  |  |  |                                                                                                                                                     |  |  |  | OREWA                    |  |  |  |              |  |  |  | DO NOT SCALE      |  |  |  |
| REV DESCRIPTION                   |  |  |  | DRN BY CHK BY APP BY DATE |  |  |  |                                                                                                                                                     |  |  |  |                          |  |  |  | DRAWING NO:  |  |  |  | 3725-1-4305       |  |  |  |
|                                   |  |  |  |                           |  |  |  |                                                                                                                                                     |  |  |  |                          |  |  |  |              |  |  |  | REV:              |  |  |  |
|                                   |  |  |  |                           |  |  |  |                                                                                                                                                     |  |  |  |                          |  |  |  |              |  |  |  | E                 |  |  |  |
| PLOT DATE Wed Jul 2 16:12:00 2025 |  |  |  | WWW.MCKENZIEANDCO.CO.NZ   |  |  |  | THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE |  |  |  |                          |  |  |  |              |  |  |  |                   |  |  |  |
|                                   |  |  |  |                           |  |  |  |                                                                                                                                                     |  |  |  |                          |  |  |  |              |  |  |  |                   |  |  |  |



|                        |  |  |  |                           |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  |                   |  |  |  |
|------------------------|--|--|--|---------------------------|--|--|--|----------------|--|--|--|---------|--|--|--|--------------|--|--|--|-------------------|--|--|--|
| E FOR RESOURCE CONSENT |  |  |  | SJO PO JK 2/07/2025       |  |  |  | VINWAY LIMITED |  |  |  | DELMORE |  |  |  | STORMWATER   |  |  |  | PURPOSE OF ISSUE: |  |  |  |
| D FOR TENDER           |  |  |  | MO PO 15/05/2025          |  |  |  |                |  |  |  | STAGE 1 |  |  |  | RAINGARDEN 6 |  |  |  | RESOURCE CONSENT  |  |  |  |
| C FOR RESOURCE CONSENT |  |  |  | NC PO JK 5/02/2025        |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | SCALE:            |  |  |  |
| B FOR RESOURCE CONSENT |  |  |  | NC PO JK 31/01/2025       |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | 1:250 @ A3        |  |  |  |
| A FIRST ISSUE          |  |  |  | 20/12/2024                |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | DO NOT SCALE      |  |  |  |
| REV DESCRIPTION        |  |  |  | DRN BY CHK BY APP BY DATE |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | DRAWING NO:       |  |  |  |
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|                        |  |  |  |                           |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | REV:              |  |  |  |
|                        |  |  |  |                           |  |  |  |                |  |  |  |         |  |  |  |              |  |  |  | E                 |  |  |  |







NOTES:  
1. REFER TO DRAWING 0000 FOR NOTES.

- LEGEND:
- STAGE 2A BOUNDARY
  - STAGE 2B BOUNDARY
  - PROPOSED STORMWATER
  - PROPOSED STORMWATER MANHOLE
  - PROPOSED STORMWATER CATCHPIT
  - PROPOSED STORMWATER LOT CONNECTION
  - PROPOSED STORMWATER T-BAR
  - PROPOSED CULVERT
  - PROPOSED RAINGARDEN
  - PROPOSED WASTEWATER
  - EXISTING STREAM
  - 20m RIPARIAN MARGIN
  - COVENANT
  - WETLAND
  - NEW WETLAND

|     |                      |        |        |        |            |
|-----|----------------------|--------|--------|--------|------------|
| E   | FOR RESOURCE CONSENT | SJO    | PO     | JK     | 2/07/2025  |
| D   | FOR TENDER           | MO     | PO     | JK     | 15/05/2025 |
| C   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 5/02/2025  |
| B   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 31/01/2025 |
| A   | FIRST ISSUE          |        |        |        | 21/12/2024 |
| REV | DESCRIPTION          | DRN BY | CHK BY | APP BY | DATE       |



VINEWAY LIMITED

DELMORE  
STAGE 1  
53A, 53B & 55 RUSSELL RD  
OREWA

STORMWATER  
RAINGARDEN 9

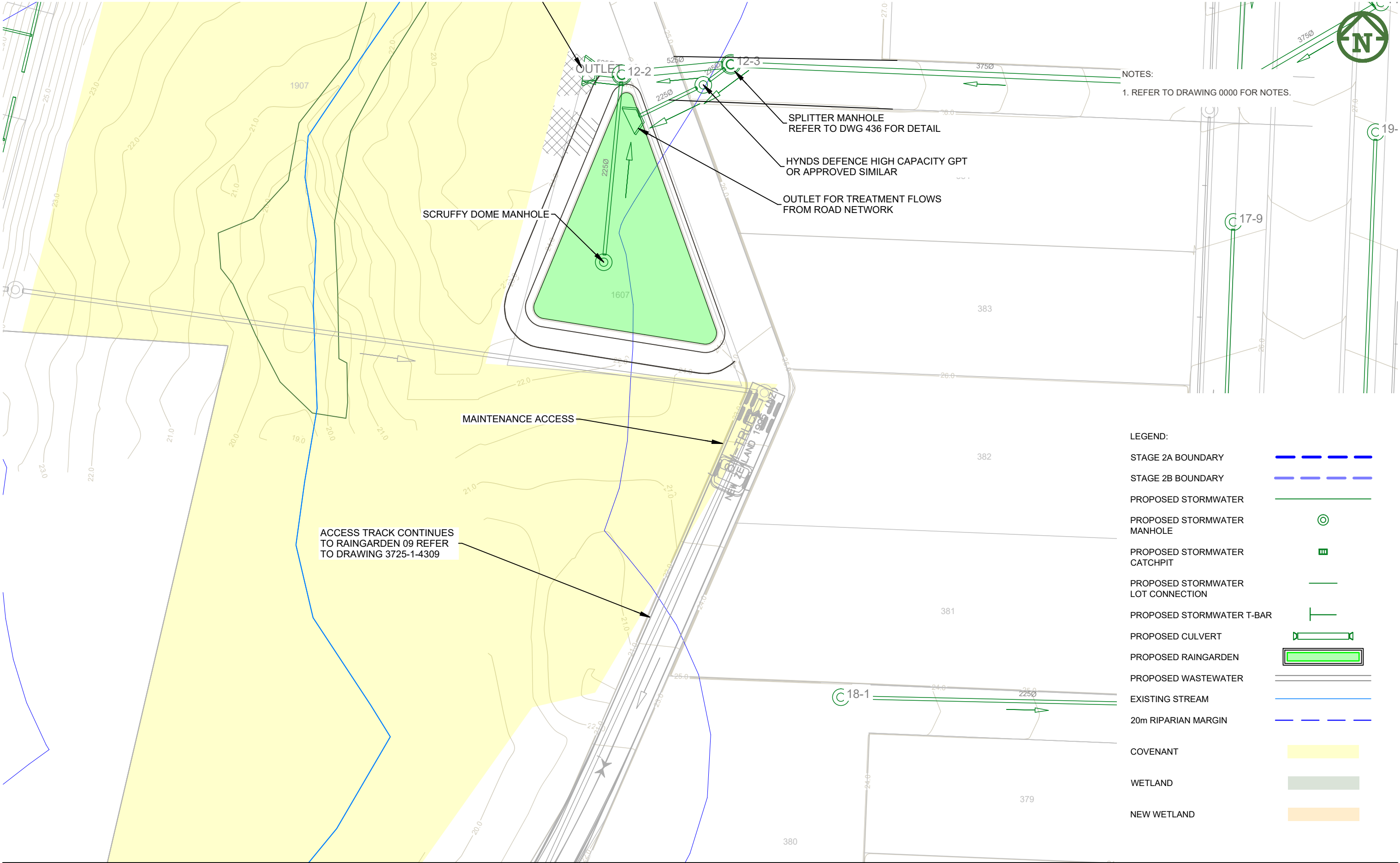
RESOURCE CONSENT

SCALE:  
1:250 @ A3

DO NOT SCALE

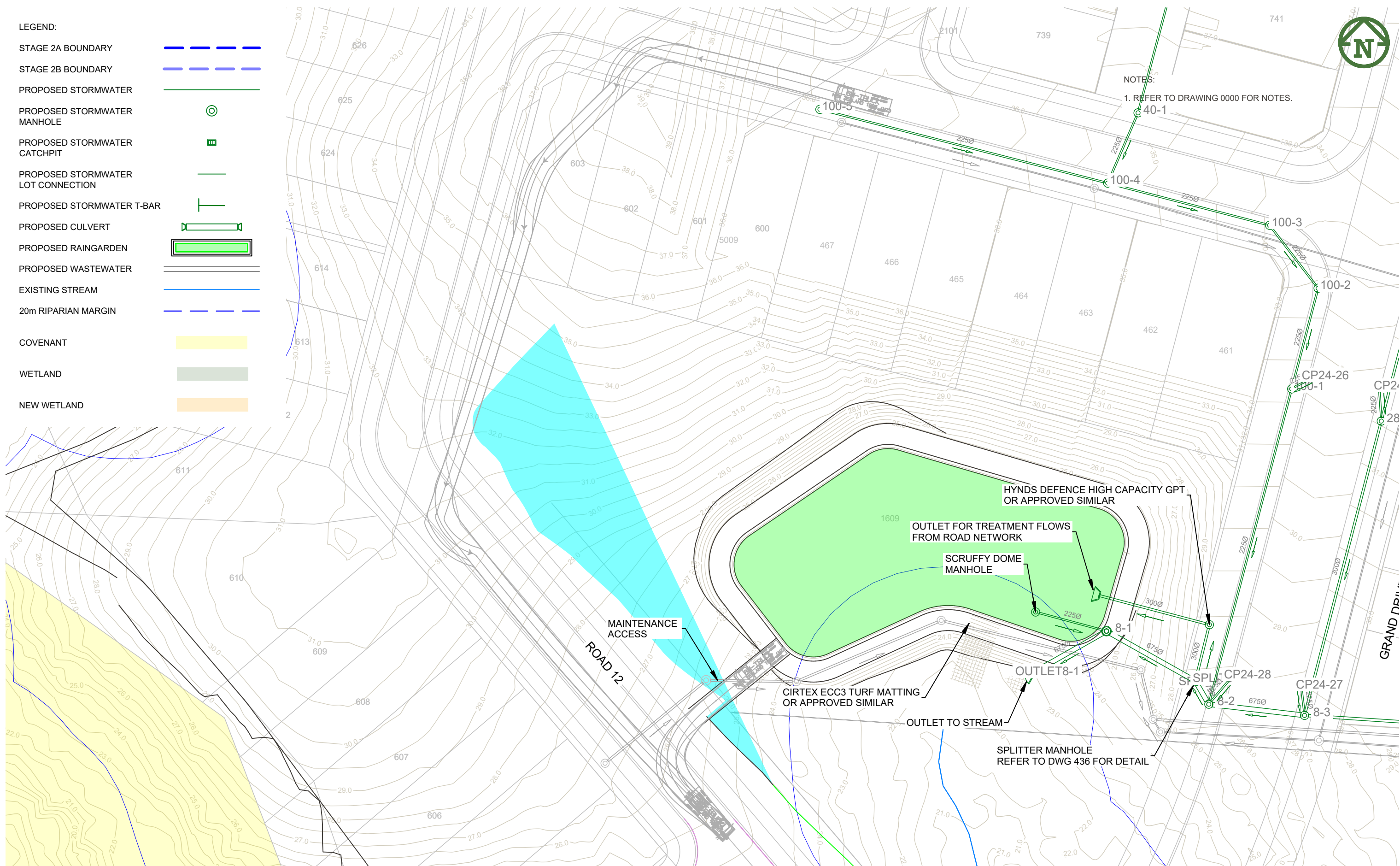
DRAWING NO:  
3725-1-4309

REV:  
E



|     |                      |        |        |        |            |
|-----|----------------------|--------|--------|--------|------------|
| E   | FOR RESOURCE CONSENT | SJO    | PO     | JK     | 2/07/2025  |
| D   | FOR TENDER           | MO     | PO     |        | 15/05/2025 |
| C   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 5/02/2025  |
| B   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 31/01/2025 |
| A   | FIRST ISSUE          |        |        |        | 22/12/2024 |
| REV | DESCRIPTION          | DRN BY | CHK BY | APP BY | DATE       |

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| STAGE 2A BOUNDARY                     |  |
| STAGE 2B BOUNDARY                     |  |
| PROPOSED STORMWATER                   |  |
| PROPOSED STORMWATER<br>MANHOLE        |  |
| PROPOSED STORMWATER<br>CATCHPIT       |  |
| PROPOSED STORMWATER<br>LOT CONNECTION |  |
| PROPOSED STORMWATER T-BAR             |  |
| PROPOSED CULVERT                      |  |
| PROPOSED RAINGARDEN                   |  |
| PROPOSED WASTEWATER                   |  |
| EXISTING STREAM                       |  |
| 20m RIPARIAN MARGIN                   |  |
| COVENANT                              |  |
| WETLAND                               |  |
| NEW WETLAND                           |  |



PURPOSE OF ISSUE:

STORMWATER  
RAINGARDEN 11

SCALE:  
**1:500 @ A3**

REV:

3725-1-4311



**MCKENZIE & CO.**

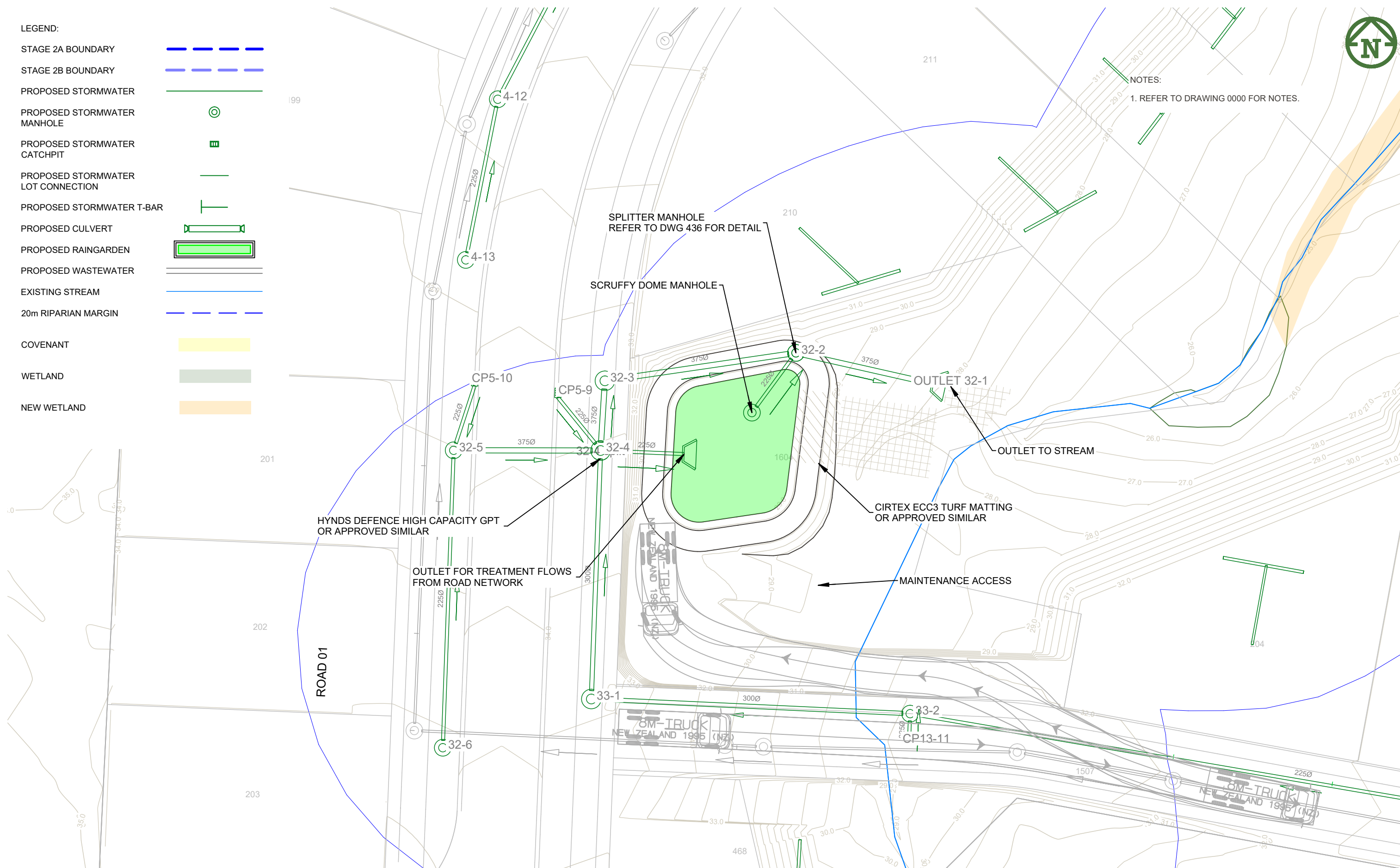
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|---|----------------------|-----|----|----|------------|
| E | FOR RESOURCE CONSENT | SJO | PO | JK | 2/07/2025  |
| D | FOR TENDER           | MO  | PO |    | 15/05/2025 |
| C | FOR RESOURCE CONSENT | NC  | PO | JK | 5/02/2025  |
| B | FOR RESOURCE CONSENT | NC  | PO | JK | 31/01/2025 |
| A | FIRST ISSUE          |     |    |    | 23/12/2024 |

PLOT DATE Wed Jul 2 16:13:48 2025      WWW.MCKENZIEANDCO.CO.NZ      THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE      c:\2d\stage1\plotting\mckfs01.3725 Delmore - 53A, 53B & 55 Russell Road, Orewa, Delmore. 4684\06\_Engineering Design\6.4.12d\Stage 1 Plotting\2dmodel\Stage 1 Plotting

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| STAGE 2A BOUNDARY                     |  |
| STAGE 2B BOUNDARY                     |  |
| PROPOSED STORMWATER                   |  |
| PROPOSED STORMWATER<br>MANHOLE        |  |
| PROPOSED STORMWATER<br>CATCHPIT       |  |
| PROPOSED STORMWATER<br>LOT CONNECTION |  |
| PROPOSED STORMWATER T-BAR             |  |
| PROPOSED CULVERT                      |  |
| PROPOSED RAINGARDEN                   |  |
| PROPOSED WASTEWATER                   |  |
| EXISTING STREAM                       |  |
| 20m RIPARIAN MARGIN                   |  |

|             |                                                                                   |
|-------------|-----------------------------------------------------------------------------------|
| COVENANT    |  |
| WETLAND     |  |
| NEW WETLAND |  |

1. REFER TO DRAWING 0000 FOR NOTES.



PURPOSE OF ISSUE:

STORMWATER  
RAINGARDEN 12

## RESOURCE CONSENT

DO NOT SCALE

REV:

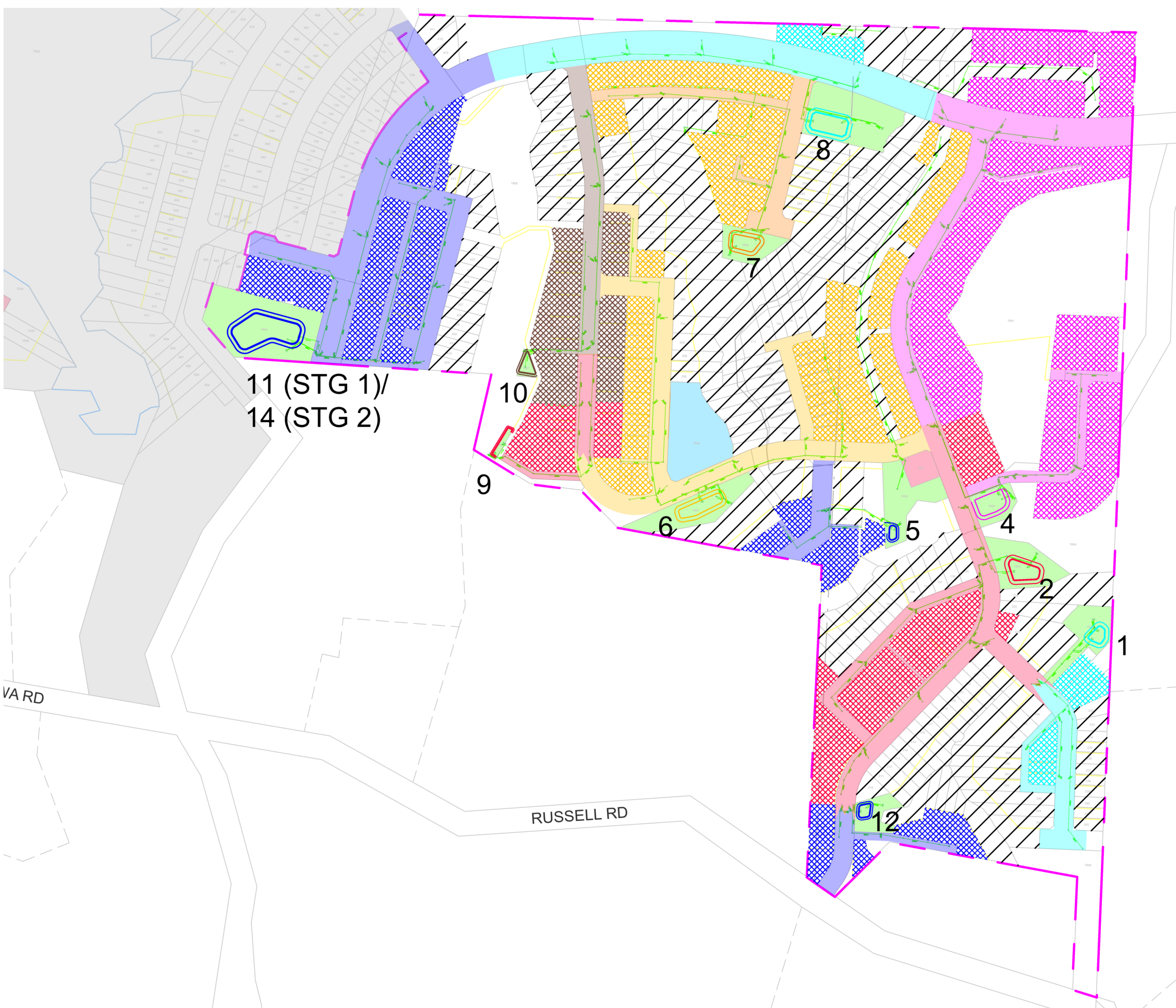
3725-1-4312

**P**

| E   | FOR RESOURCE CONSENT | SJO    | PO     | JK     | 2/07/2025  |
|-----|----------------------|--------|--------|--------|------------|
| D   | FOR TENDER           | MO     | PO     |        | 15/05/2025 |
| C   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 5/02/2025  |
| B   | FOR RESOURCE CONSENT | NC     | PO     | JK     | 31/01/2025 |
| A   | FIRST ISSUE          |        |        |        | 24/12/2024 |
| REV | DESCRIPTION          | DRN BY | CHK BY | APP BY | DATE       |



**MCKENZIE & CO.**



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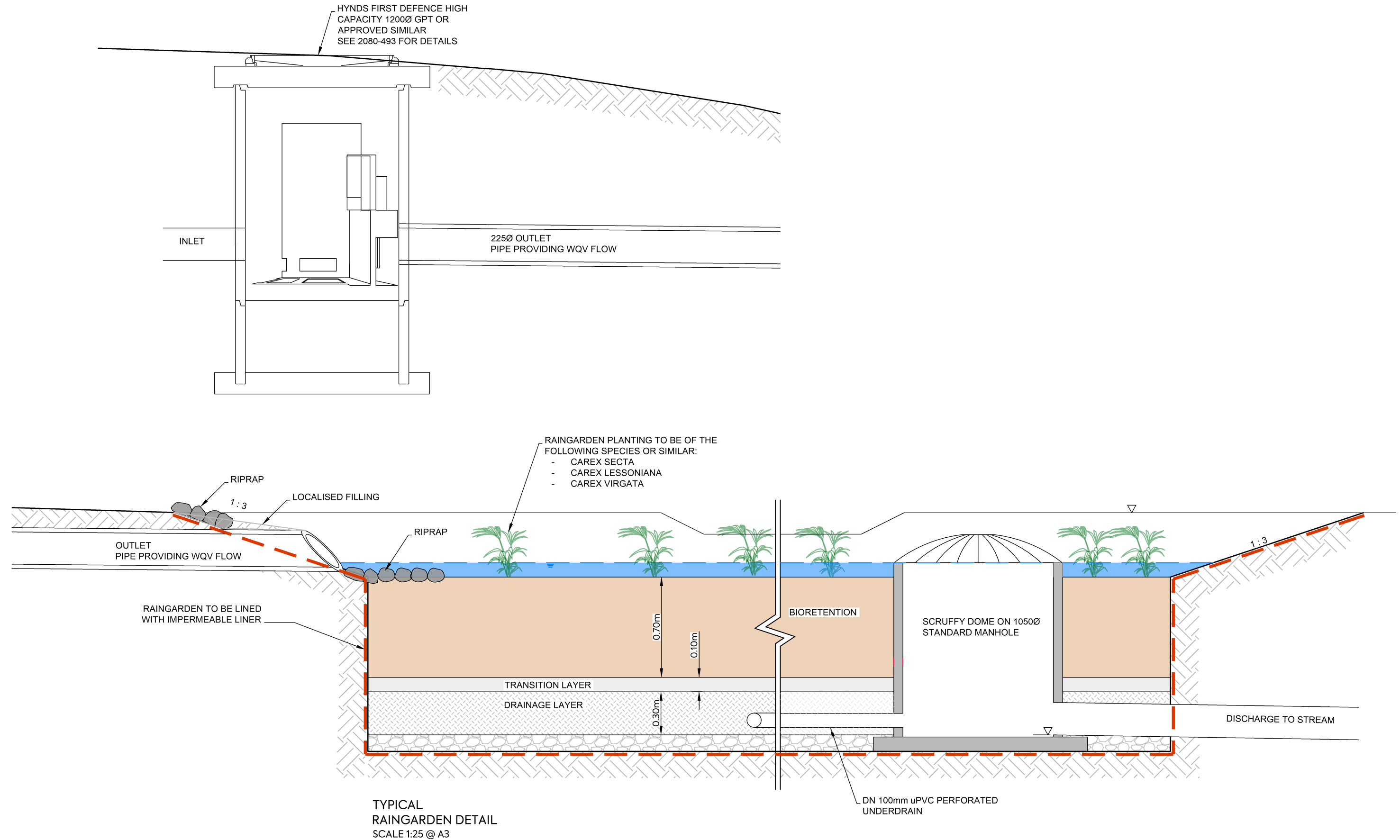
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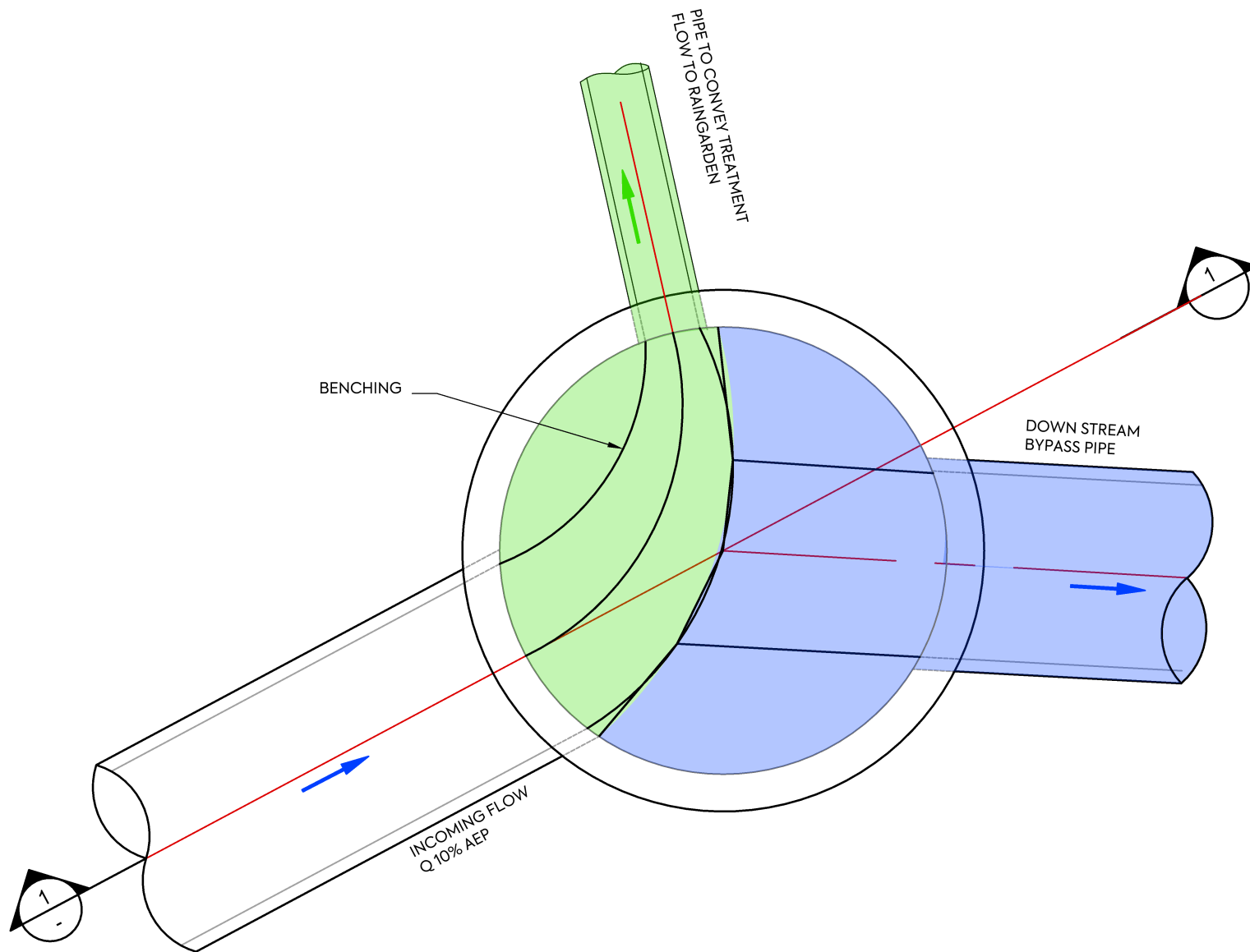
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A

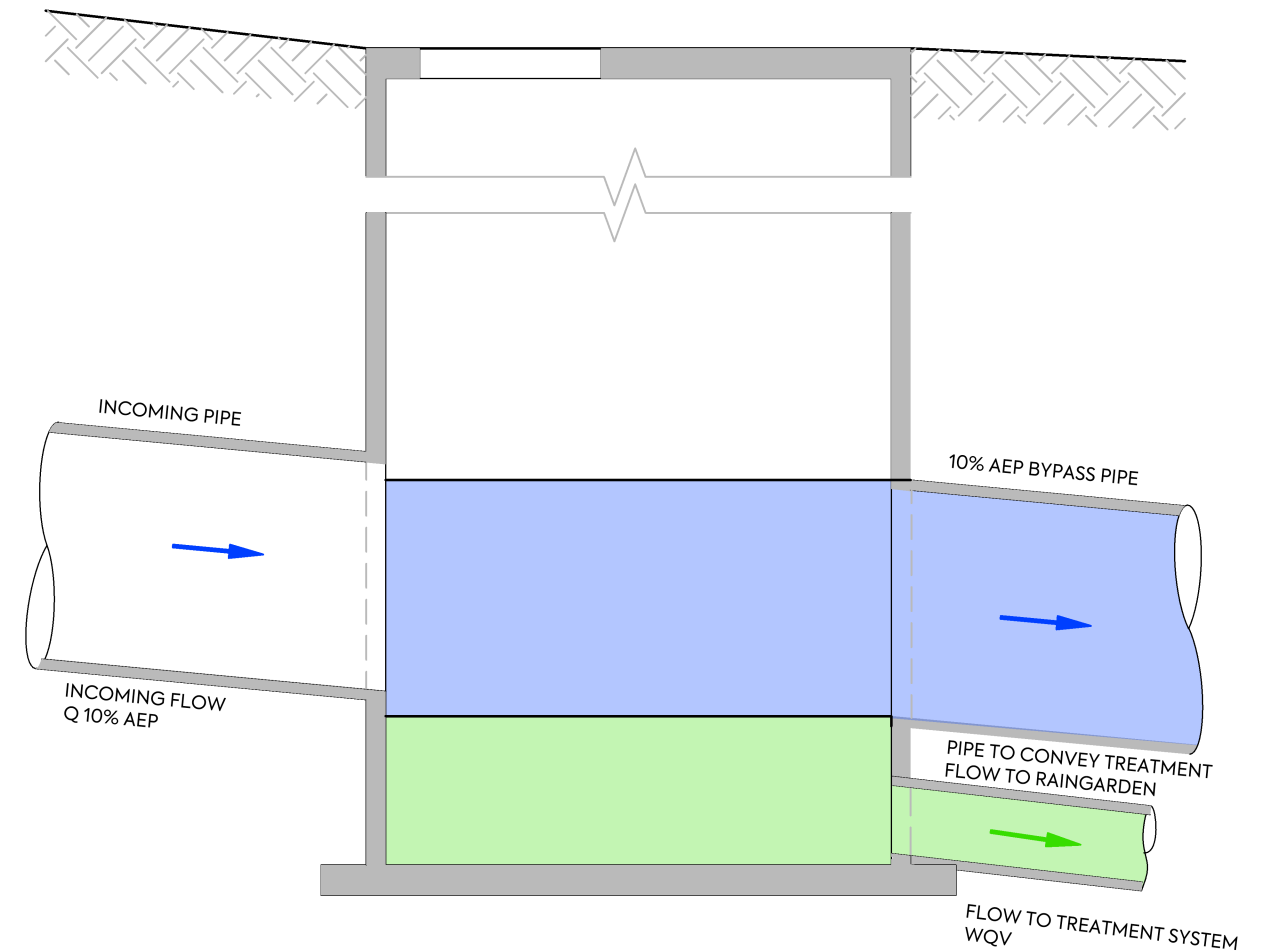


C:\12DS\DATA\MCKFS01\3725-1 DELMORE STAGE 1\_5231\06000. ENGINEERING DESIGN\6200. ENGINEERING CALCULATIONS\4000 STORMWATER\4500 STORMWATER DEVICES\3725-1-4310.DWG





**PLAN**  
SCALE 1:25 @A3



**SECTION 1**  
AS SHOWN



CLIENT:  
VINEWAY LTD

PROJECT:  
DELMORE  
53A, 53B & 55 RUSSELL ROAD  
ŌREWA

TITLE:  
STORMWATER  
SPLITTER MANHOLE  
TYPICAL DETAILS

PURPOSE OF ISSUE:  
RESOURCE CONSENT

SCALE:  
1:25m @ A3  
DO NOT SCALE

DRAWING NO:  
3725-4350

REV:  
A

| REV | DESCRIPTION | DRN BY | CHK BY | APP BY | DATE     |
|-----|-------------|--------|--------|--------|----------|
| A   | FIRST ISSUE | NC     | PO     | JK     | 19/12/24 |