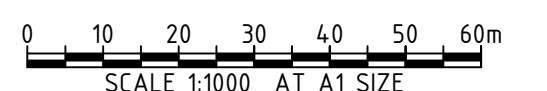


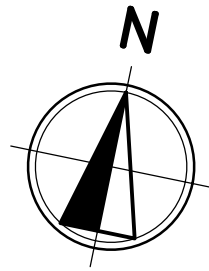
The logo for BG&E, featuring the letters 'BG' stacked above '&E' in a large, bold, black serif font.

SOURCE: NEARN

| DRG No. | DESCRIPTION                                  |
|---------|----------------------------------------------|
| CI-0000 | COVER SHEET, LOCALITY PLAN AND DRAWING INDEX |
| CI-0200 | SITEWORKS AND DRAINAGE PLAN                  |
| CI-0300 | OVERLAND FLOW CATCHMENT PLAN                 |
| CI-0310 | OVERLAND FLOW PLAN                           |
| CI-0320 | PROPOSED INTERNAL ROAD PLAN                  |
| CI-0340 | DRAINAGE DETAILS                             |
| CI-0350 | LONGITUDINAL SECTION                         |
| CI-0360 | CROSS SECTIONS                               |
| CI-0370 | THE AVENUE LONGITUDINAL SECTIONS             |
| CI-0371 | THE AVENUE CROSS SECTIONS                    |
| CI-0380 | MUSIC CATCHMENT PLAN                         |
| CI-0700 | EROSION AND SEDIMENT CONTROL PLAN            |
| CI-0710 | EROSION AND SEDIMENT CONTROL DETAILS         |



\\BGESYDFS03\PROJECTS\BGE\SYD\S22042 SIRSI MARINA\100 DRAW\100.2 CIVIL\AUTOCAD\S22042-DRG-CI-0000.DWG  
9/10/2023 5:13:02 PM

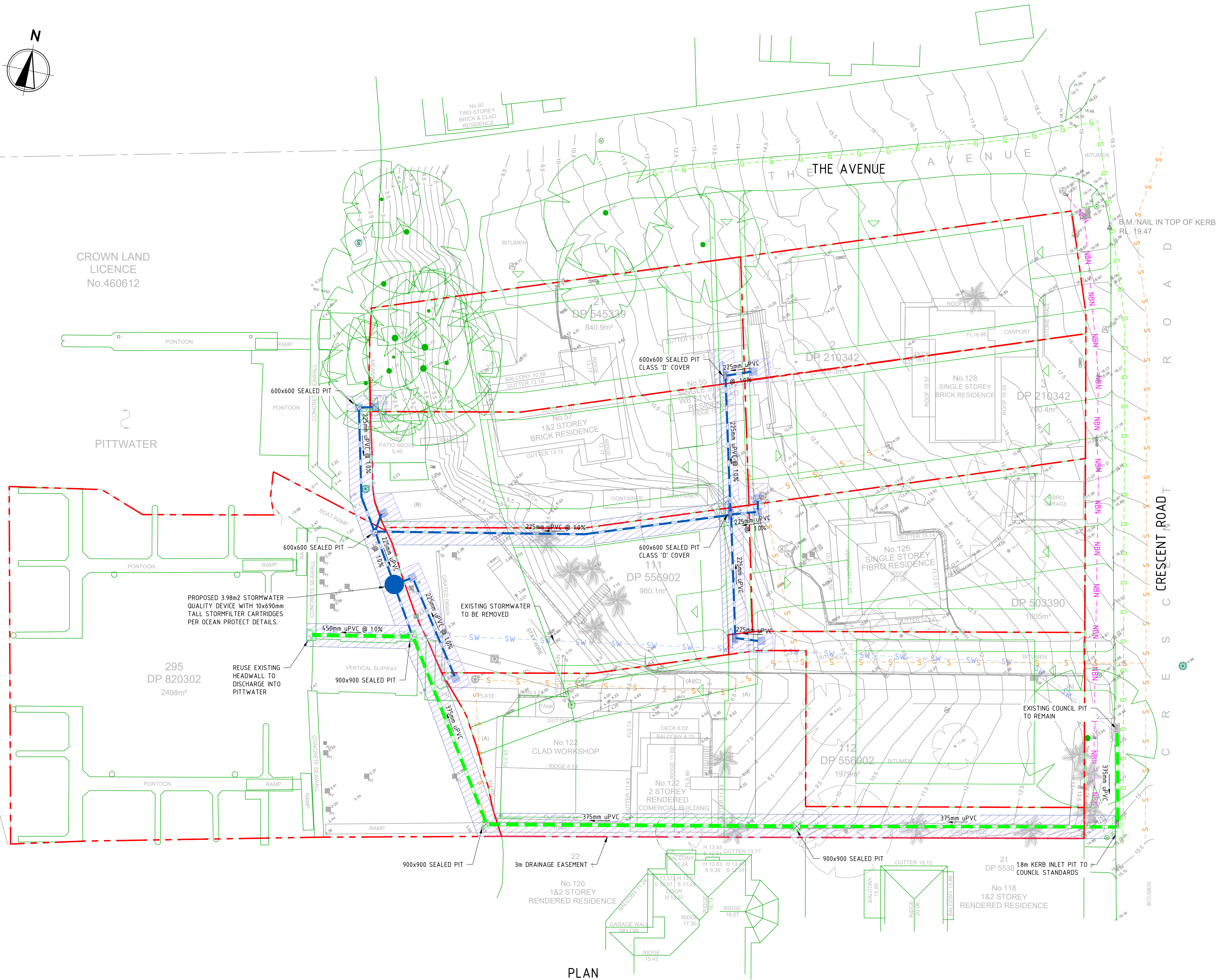


LEGEND

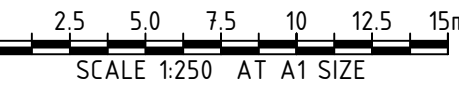
- SITE BOUNDARY
- $\phi 150$  uPVC PROPOSED STORMWATER (SIZE AND TYPE)
- PROPOSED GRATED PIT/ SEALED PIT/ KERB INLET PIT
- $\phi 150$  uPVC COUNCIL STORMWATER (SIZE AND TYPE)
- PROPOSED COUNCIL SEALED PIT/ KERB INLET PIT
- EXISTING KERB INLET PIT
- EXISTING SURVEY FEATURES
- ARCHITECTURAL
- HEADWALL
- 3m DRAINAGE EASEMENT

EXISTING SERVICES

- NBN EXISTING NBN
- EXISTING GAS
- EXISTING SEWER
- SW EXISTING STORMWATER



PLAN  
SCALE 1:250



| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |
|-----|----------|---------------------------------|-----|-----|------|-------------|-----|
| E   | 09.10.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| D   | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| C   | 08.06.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| B   | 07.06.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A   | 31.05.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |

CLIENT



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PROJECT

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

STATUS

ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

| DRAWN | DESIGNED          | CHECKED | APPROVED |
|-------|-------------------|---------|----------|
| HA    | AM                | SH      |          |
| DATUM | GRID              | SCALE   |          |
| AHD   | GDA2020<br>MGA-56 | 1:250   |          |

TITLE

SITWORKS AND DRAINAGE  
PLAN

| PROJECT No. | DRAWING No. | REV |
|-------------|-------------|-----|
| S22042      | CI-0200     | E   |



LEGEND

SITE BOUNDARY

CADASTRAL

EXISTING PIT/ KERB  
INLET PIT

PROPOSED PIT/ KERB  
INLET PIT

EXTERNAL CATCHMENT  
OVERLAND FLOW TO PROPOSED  
GRASSED SWALE ON SITE

INTERNAL CATCHMENT  
OVERLAND FLOW TO PROPOSED  
GRASSED SWALE ON SITE

PROPOSED GRASSED SWALE

EXTERNAL CATCHMENT FLOWS CALCULATION:  
STORM EVENT = 100 YR ARI  
• TIME OF CONCENTRATION = 5 MINS  
• INTENSITY= 273 mm/hr  
• CATCHMENT AREA = 0.7109 Ha  
• C=0.75  
  
OVERLAND FLOW = 0.404 m3/s

INTERNAL CATCHMENT FLOWS CALCULATION:  
STORM EVENT = 100 YR ARI  
• TIME OF CONCENTRATION = 5 mins  
• INTENSITY= 273 mm/hr  
• CATCHMENT AREA = 0.3960 Ha  
• C=0.54  
  
OVERLAND FLOW = 0.161 m3/s  
QTOTAL (INCLUDING EXTERNAL CATCHMENT FLOWS)  
= 0.404+0.161 = 0.566 m3/s

| REV       | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |
|-----------|----------|---------------------------------|-----|-----|------|-------------|-----|
| B         | 09.10.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A         | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REVISIONS |          |                                 |     |     |      |             |     |

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PROJECT

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RESIDENTIAL DEVELOPMENT

STATUS

ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

DRAWN  
HA

DESIGNED  
SM

CHECKED  
SH

APPROVED

DATUM  
AHD

GRID  
GDA2020  
MGA-56

SCALE  
AS SHOWN

AT  
A1 SIZE

TITLE

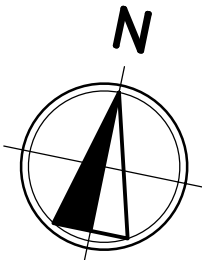
OVERLAND FLOW CATCHMENT  
PLAN

PROJECT No.  
S22042

DRAWING No.  
CI-0300

REV  
B

\\BGS\SERVERS\PROJECTS\BGS\5701522042\_SRS\MARINA\100 DRAW\1002 CIVIL\AUTOCAD\522042-000-01-0300.DWG 9/10/2023 5:24:59 PM © BG&E Pty Limited

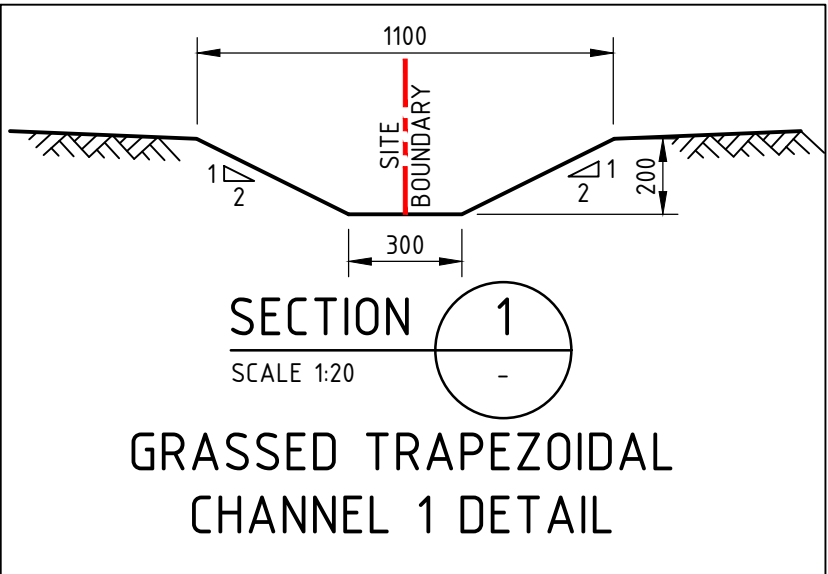


LEGEND

- SITE BOUNDARY
- PROPOSED STORMWATER
- PROPOSED GRATED PIT/ SEALED PIT/ KERB INLET PIT
- COUNCIL STORMWATER
- PROPOSED COUNCIL SEALED PIT/ KERB INLET PIT
- EXISTING KERB INLET PIT
- EXISTING SURVEY FEATURES
- ARCHITECTURAL
- HEADWALL
- 3m DRAINAGE EASEMENT
- PROPOSED GRASSED SWALE

EXISTING SERVICES

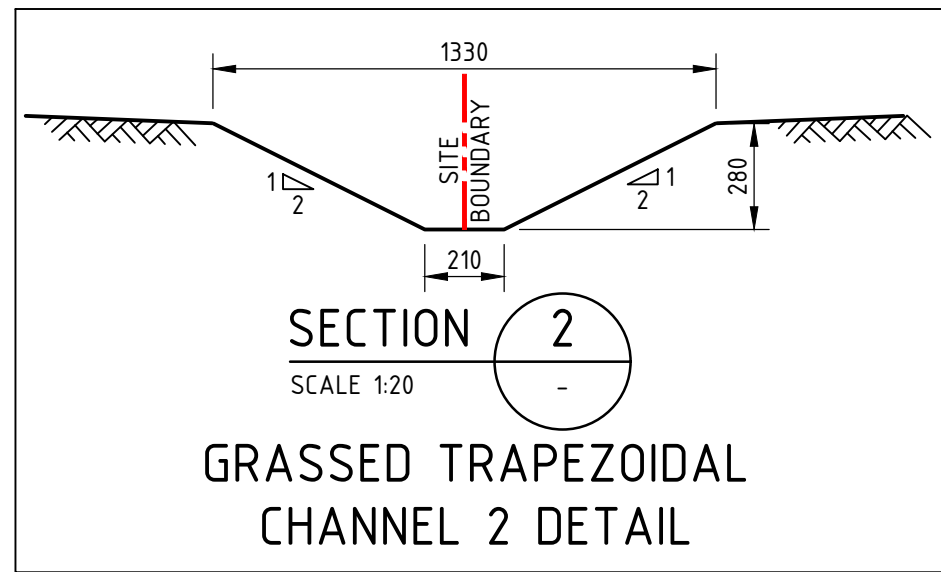
- NBN - EXISTING NBN
- G - EXISTING GAS
- S - EXISTING SEWER
- SW - EXISTING STORMWATER



PROPOSED GRASSED TRAPEZOIDAL SWALE BETWEEN LOTS 3, 4 & 5 TO CATER FOR THE OVERLAND FLOW PATH FROM CRESCENT STREET. REFER SECTION 1 FOR DETAILS.

CHANNEL 1 DETAILS:  
LENGTH = 42.70m  
1100 WIDE x 200mm DEEP @ 18.0%  
APPROX SLOPE (MANNINGS 'N' = 0.035)  
OVERLAND FLOW = 0.404 m³/s  
OSWALE = 0.406 m³/s

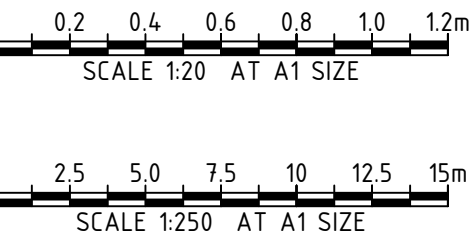
REFER TO DRAWING CI-0300 FOR THE OVERLAND FLOW CATCHMENT PLAN LAYOUT & CALCULATIONS.



PROPOSED GRASSED TRAPEZOIDAL CHANNEL BETWEEN LOTS 6 & 7 TO CATER FOR THE OVERLAND FLOW PATH. REFER SECTION 2 FOR DETAILS.

CHANNEL 2 DETAILS:  
LENGTH = 37.80m  
1330mm WIDE x 280mm DEEP @ 11.5%  
APPROX SLOPE (MANNINGS 'N' = 0.035)  
OVERLAND FLOW = 0.566 m³/s  
OSWALE = 0.583 m³/s

PLAN  
SCALE 1:250



| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |
|-----|----------|---------------------------------|-----|-----|------|-------------|-----|
| B   | 09.10.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A   | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |

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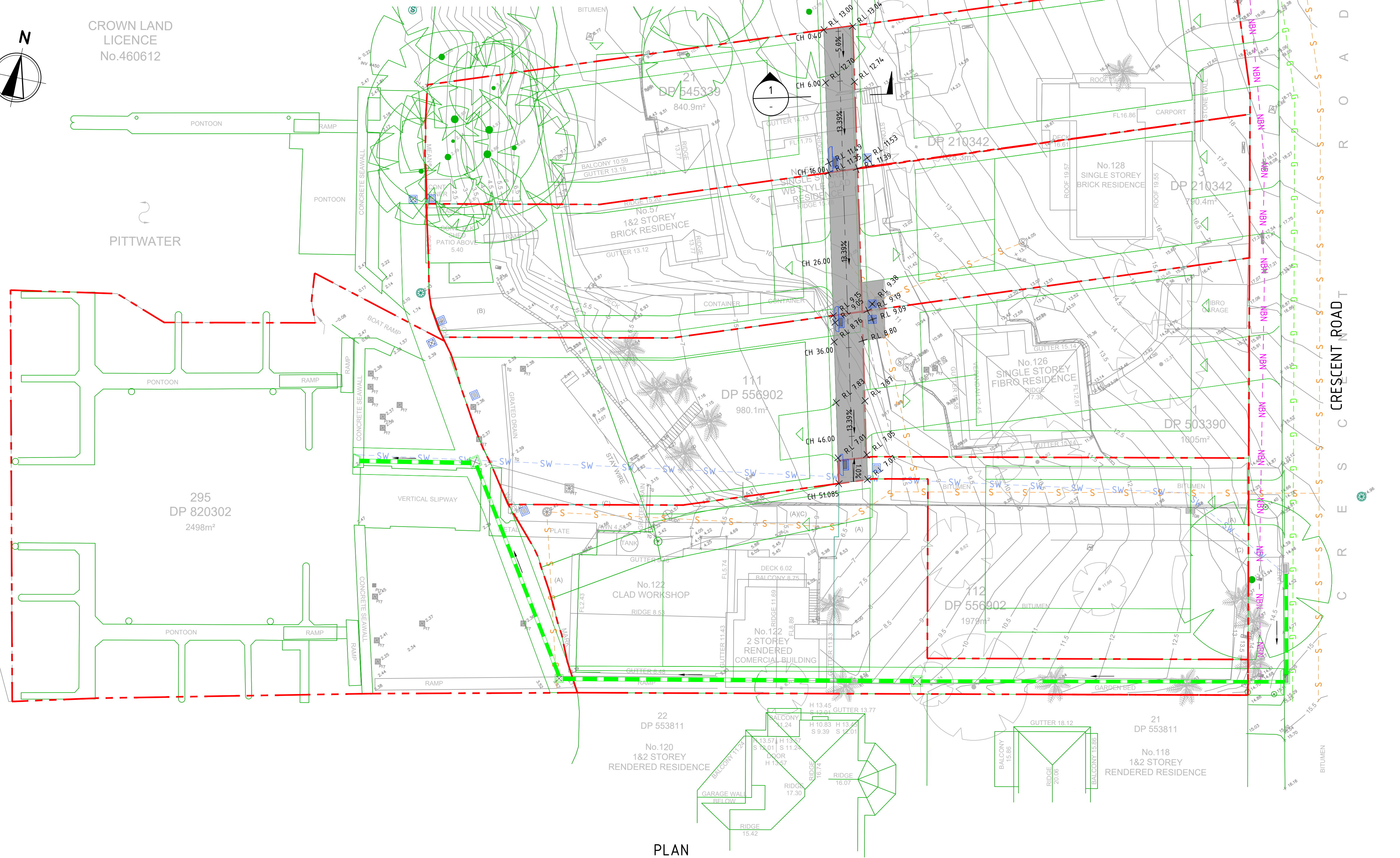
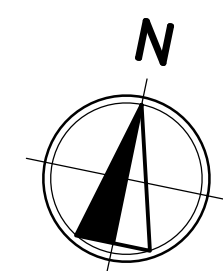
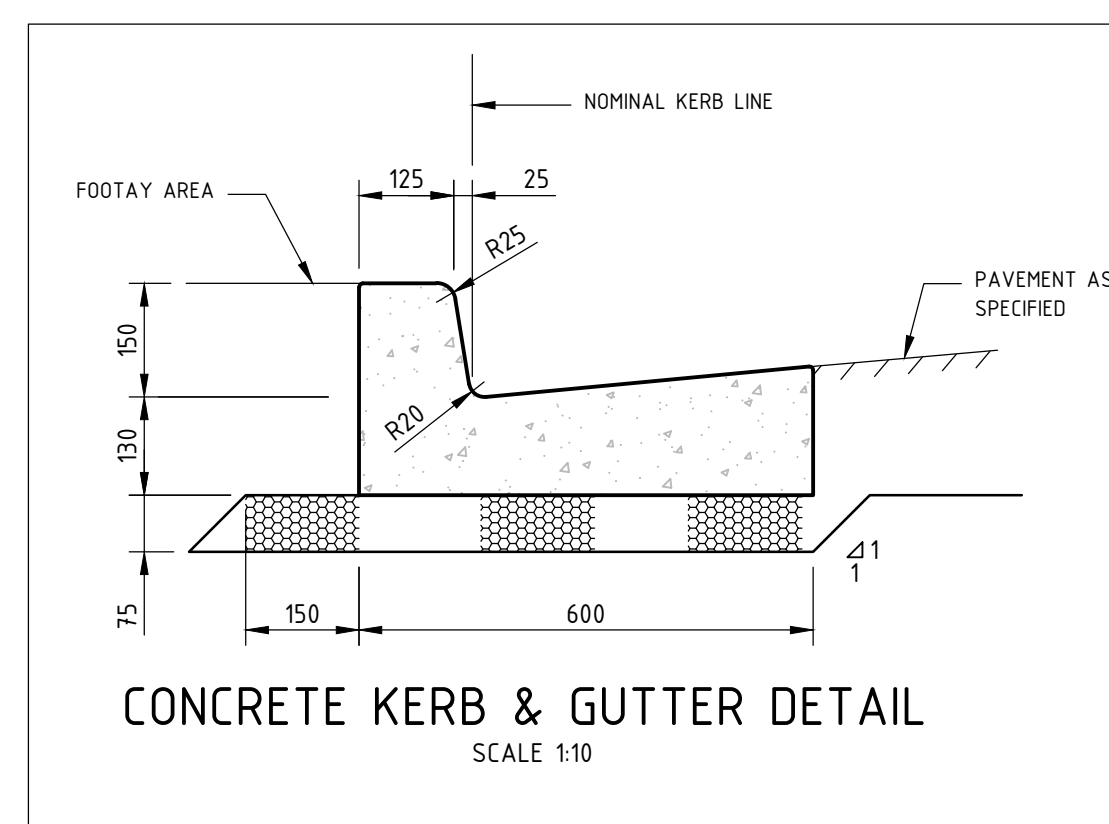
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PROJECT  
**BG & E**

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

| STATUS                          |                   |          |          |
|---------------------------------|-------------------|----------|----------|
| ISSUED FOR APPROVAL             |                   |          |          |
| NOT TO BE USED FOR CONSTRUCTION |                   |          |          |
| DRAWN                           | DESIGNED          | CHECKED  | APPROVED |
| HA                              | SM                | SH       |          |
| DATUM                           | GRID              | SCALE    | AT       |
| AHD                             | GDA2020<br>MGA-56 | AS SHOWN | A1 SIZE  |

| TITLE                 |             |     |  |
|-----------------------|-------------|-----|--|
| OVERLAND FLOW<br>PLAN |             |     |  |
| PROJECT No.           | DRAWING No. | REV |  |
| S22042                | CI-0310     | B   |  |



PLAN  
SCALE 1:250

[illegible]

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|  |         |
|--|---------|
|  | PROJECT |
|--|---------|

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

|  |        |
|--|--------|
|  | STATUS |
|--|--------|

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NOT TO BE USED FOR CONSTRUCTION

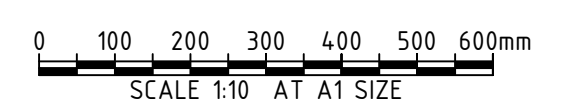
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|-------|-------------------|----------|----------|
| DRAWN | DESIGNED          | CHECKED  | APPROVED |
| HA    | SM                | SH       |          |
| DATUM | GRID              | SCALE    |          |
| AHD   | GDA2020<br>MGA-56 | AS SHOWN | AT A1 S  |

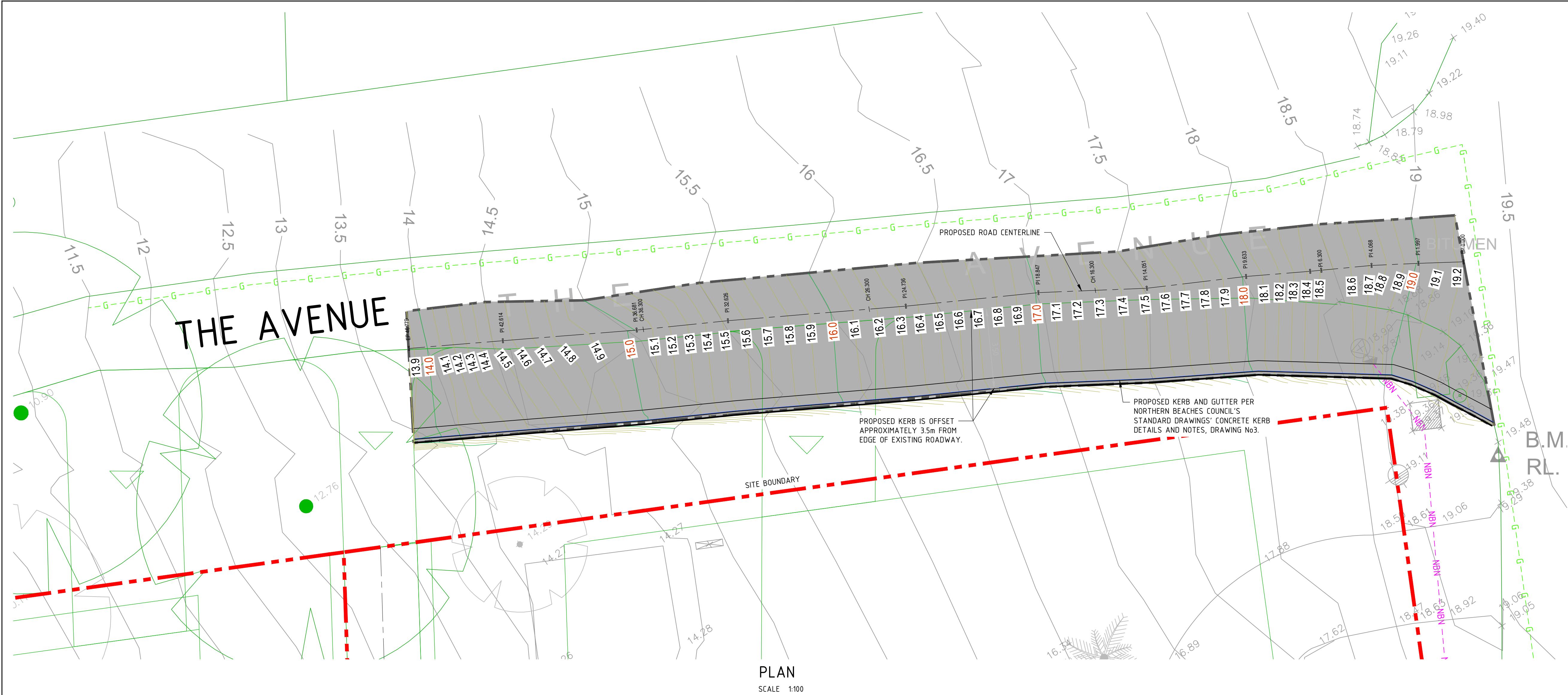
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TITLE

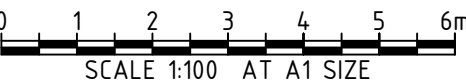
PROPOSED INTERNAL ROAD  
PLAN

|             |             |      |
|-------------|-------------|------|
| PROJECT No. | DRAWING No. | REV. |
| S22042      | CI-0320     | C    |





- LEGEND**
- EXTENT OF WORKS
  - EXISTING SURVEY FEATURES
  - ARCHITECTURAL
  - L.O.K.
  - I.O.K.
  - T.O.K.
  - B.O.K.
  - ROAD CL
  - PROPOSED ROADWORKS
- EXISTING SERVICES**
- NBN EXISTING NBN
  - G EXISTING GAS
  - S EXISTING SEWER
  - SW EXISTING STORMWATER



| REV       | DATE     | DESCRIPTION                     | RVD | REV       | DATE | DESCRIPTION | RVD |
|-----------|----------|---------------------------------|-----|-----------|------|-------------|-----|
| B         | 29.09.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |           |      |             |     |
| A         | 28.09.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |           |      |             |     |
| REV       | DATE     | DESCRIPTION                     | RVD | REV       | DATE | DESCRIPTION | RVD |
| REVISIONS |          |                                 |     | REVISIONS |      |             |     |

CLIENT

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PROJECT

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

STATUS

ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

|       |                   |          |          |
|-------|-------------------|----------|----------|
| DRAWN | DESIGNED          | CHECKED  | APPROVED |
| HA    | SM                | SH       |          |
| DATUM | GRID              | SCALE    |          |
| AHD   | GDA2020<br>MGA-56 | AS SHOWN |          |

AT A1 SIZE

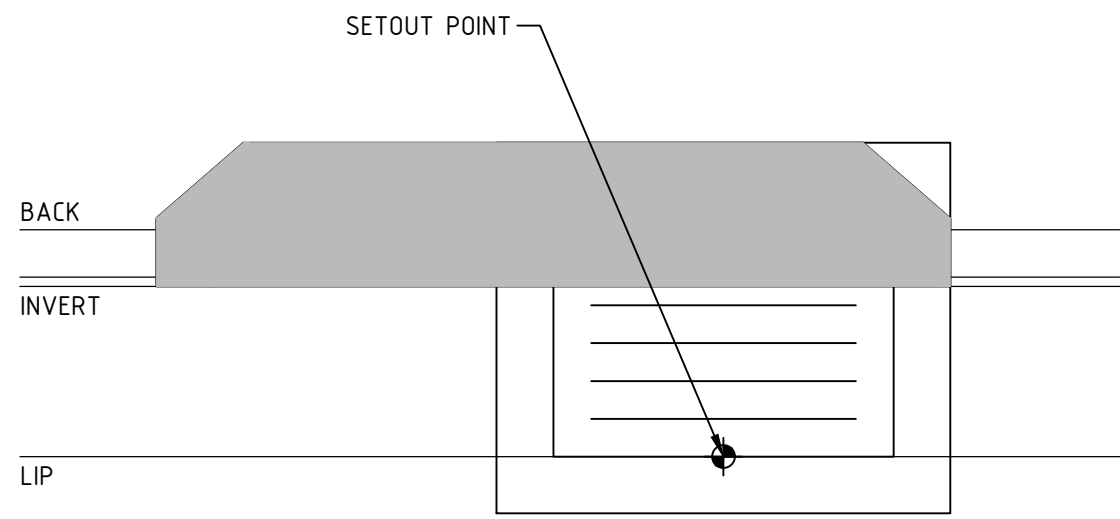
TITLE

GENERAL ROADWORKS  
PLAN

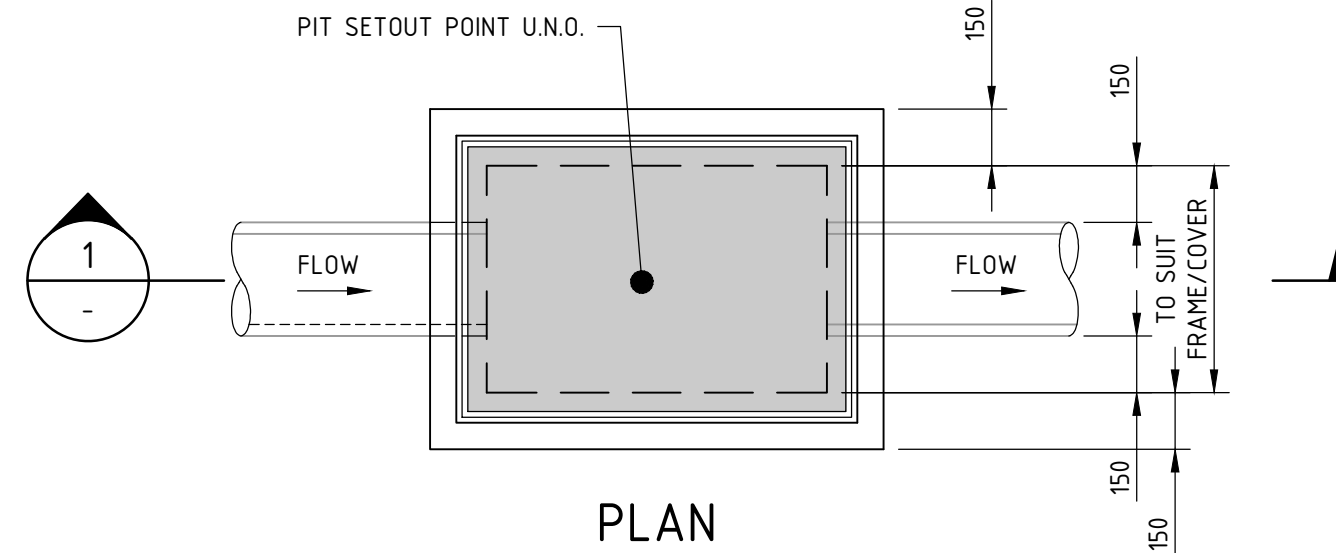
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| PROJECT No. | DRAWING No. | REV. |
| S22042      | CI-0330     | B    |

NOTES

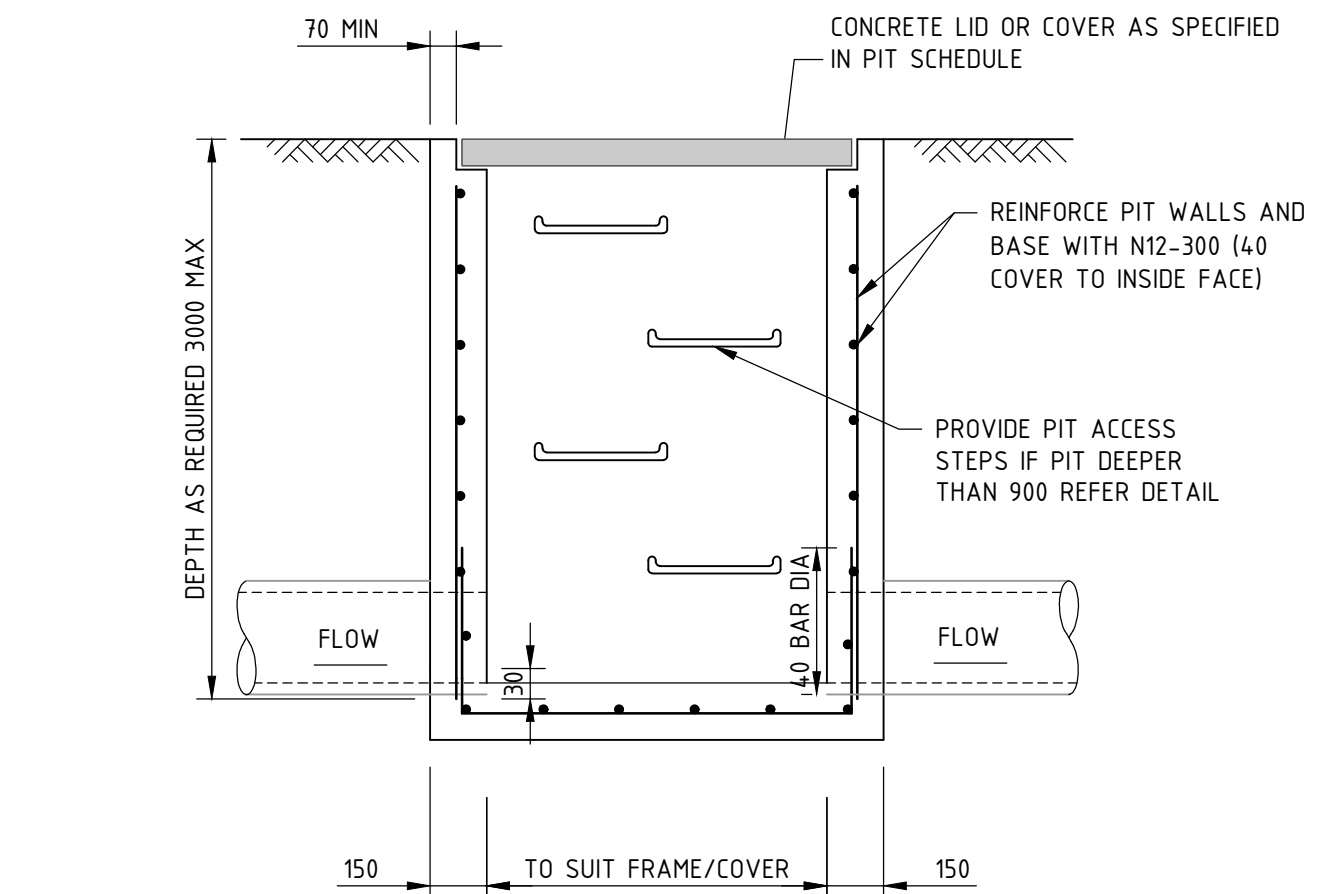
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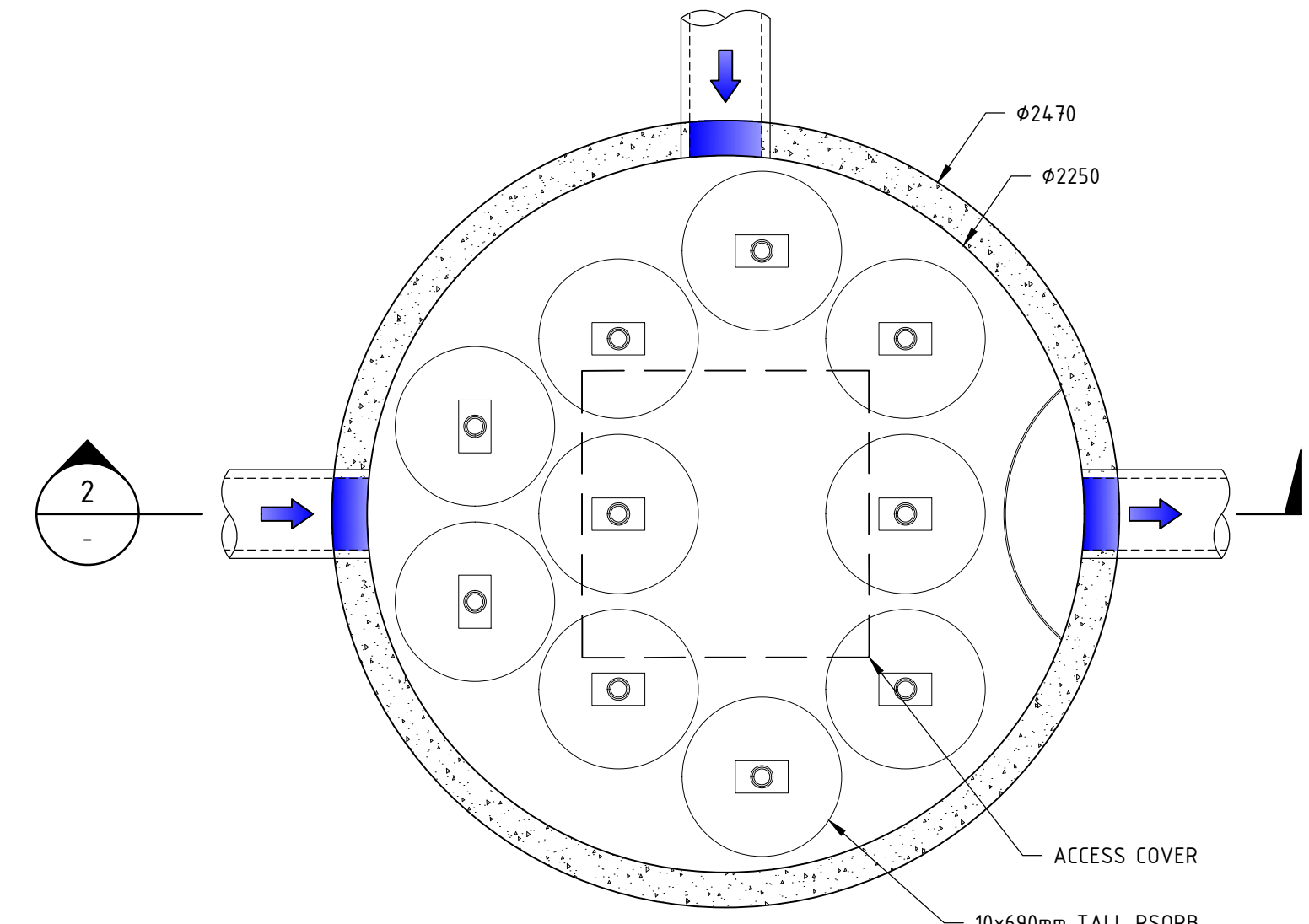
KERB INLET PIT SETOUT  
SCALE 1:20



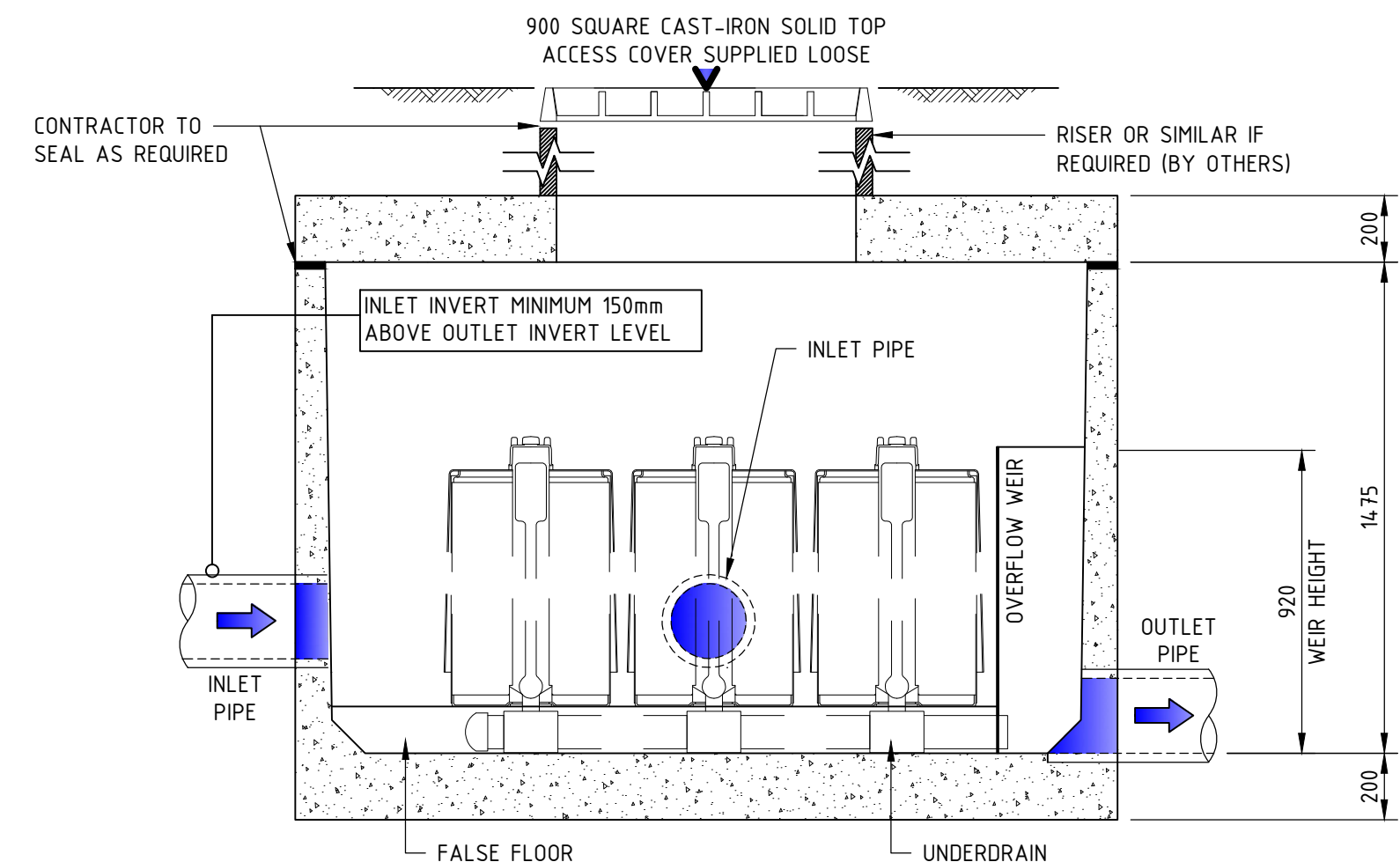
PLAN



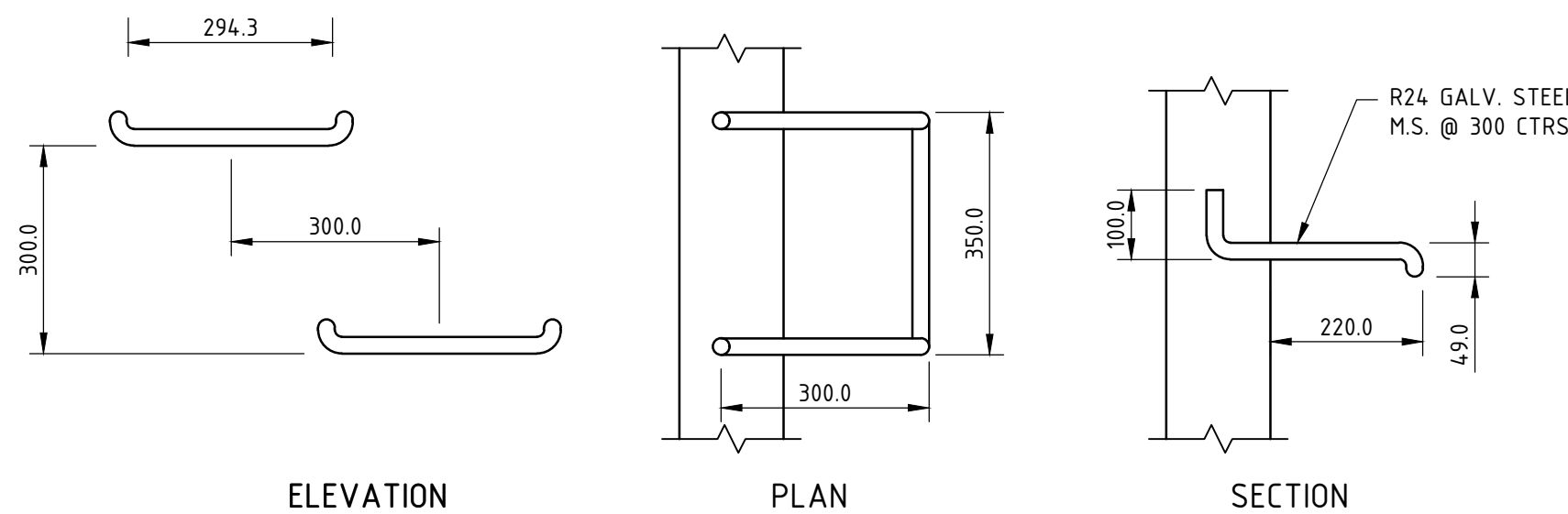
SECTION 1  
SCALE 1:20



PLAN



SECTION 2  
SCALE 1:20



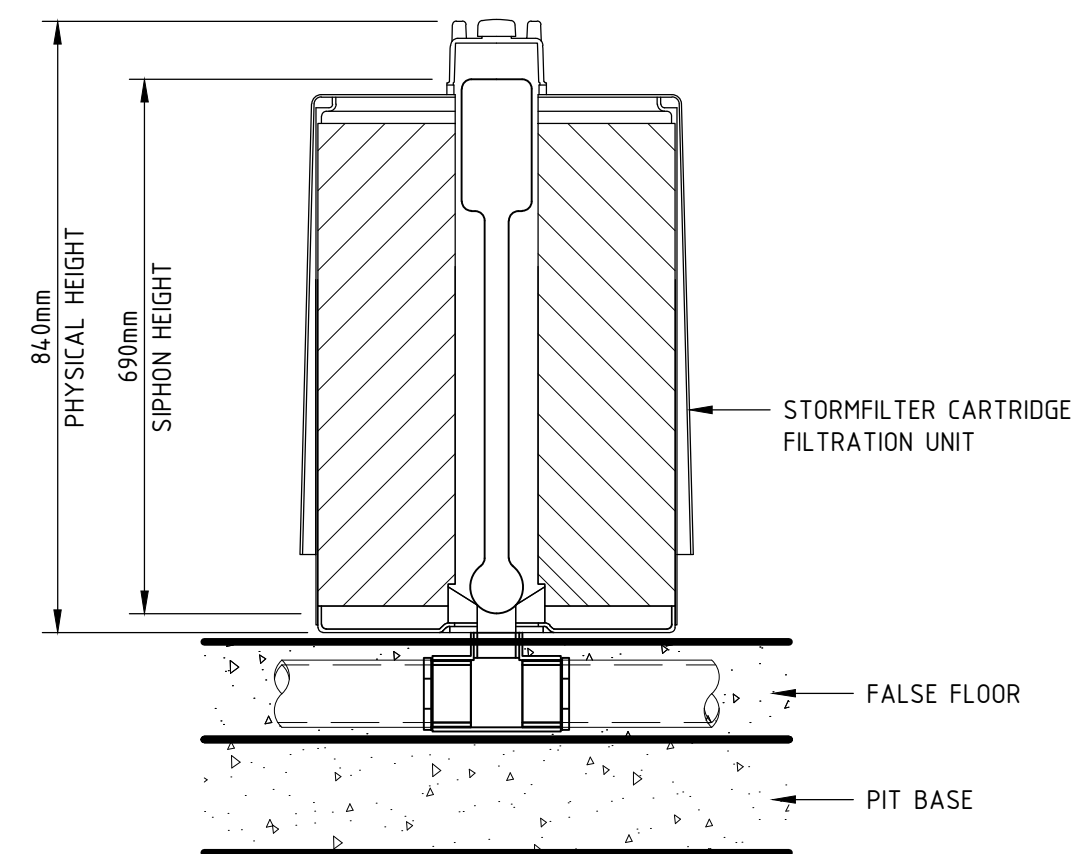
ELEVATION

PLAN

SECTION

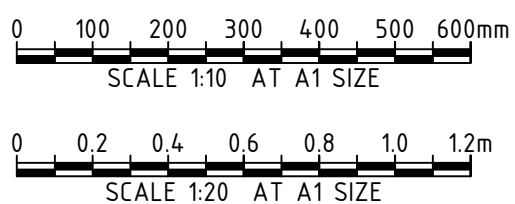
TYPICAL STEP IRON DETAILS

SCALE 1:10



STORMFILTER  
CARTRIDGE DETAIL

SCALE N.T.S



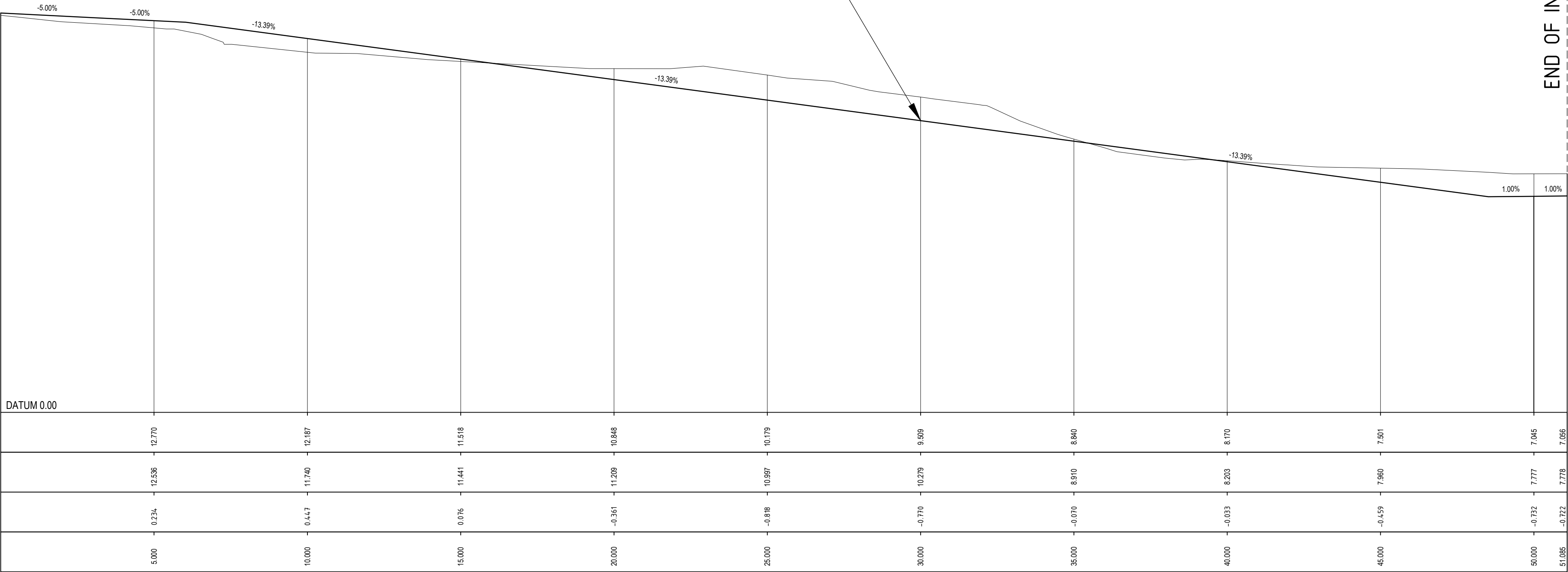
| REVISIONS |          |                                 |     |     |      | REVISIONS   |     |     |      |             |     |
|-----------|----------|---------------------------------|-----|-----|------|-------------|-----|-----|------|-------------|-----|
| REV       | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD | REV | DATE | DESCRIPTION | RVD |
| B         | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |     |      |             |     |
| A         | 31.05.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |     |      |             |     |
| REV       | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD | REV | DATE | DESCRIPTION | RVD |
| REVISIONS |          |                                 |     |     |      | REVISIONS   |     |     |      |             |     |

|        |  |           |  |                                                                                                                   |  |                                                                        |  |                                                     |  |
|--------|--|-----------|--|-------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------|--|-----------------------------------------------------|--|
| CLIENT |  | ARCHITECT |  | PROJECT                                                                                                           |  | STATUS                                                                 |  | TITLE                                               |  |
|        |  |           |  | Sydney Office —<br>L2, 8 Windmill St<br>Sydney NSW 2000<br>P / +61 2 9770 3300 E / info@bgeeng.com<br>bgeeng.com— |  | ISSUED FOR APPROVAL<br>NOT TO BE USED FOR CONSTRUCTION                 |  | DRAINAGE DETAILS                                    |  |
|        |  |           |  | NEWPORT MARINA AND<br>RESIDENTIAL DEVELOPMENT                                                                     |  | DRAWN: HA<br>DESIGNED: AM<br>CHECKED: SH<br>APPROVED: [Signature]      |  | PROJECT No: S22042<br>DRAWING No: CI-0340<br>REV: B |  |
|        |  |           |  |                                                                                                                   |  | DATE: AHD<br>GRID: GDA2020<br>MGA-56<br>SCALE: AS SHOWN<br>AT: A1 SIZE |  |                                                     |  |

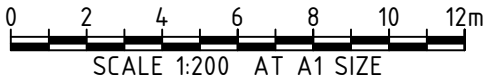
SITE BOUNDARY

PROPOSED NEW DRIVEWAY

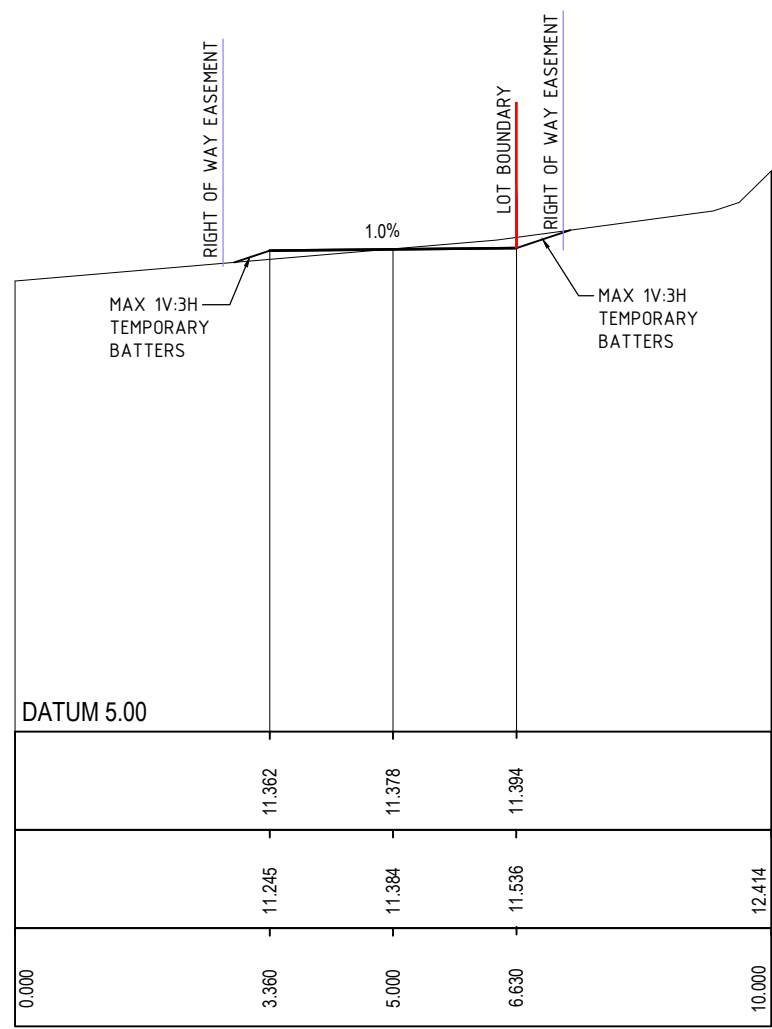
END OF INTERNAL ROAD



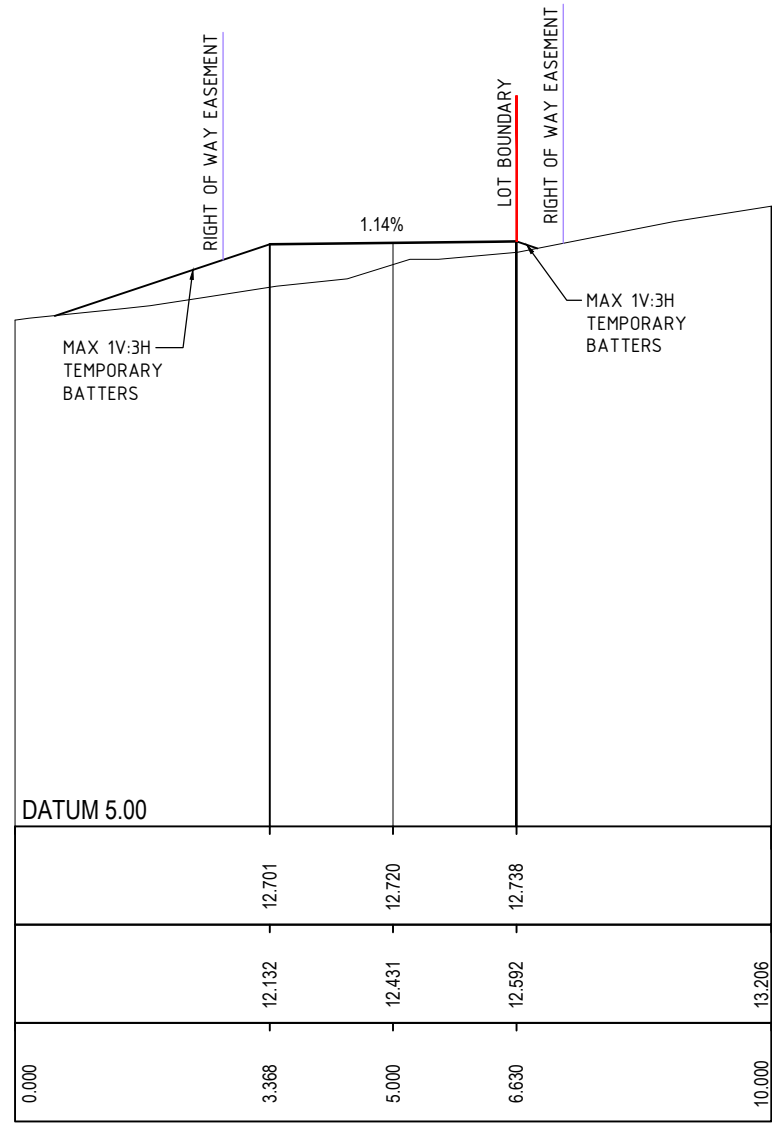
LONGITUDINAL SECTION - CL01  
SCALE: Hor 1:100 Ver 1:100



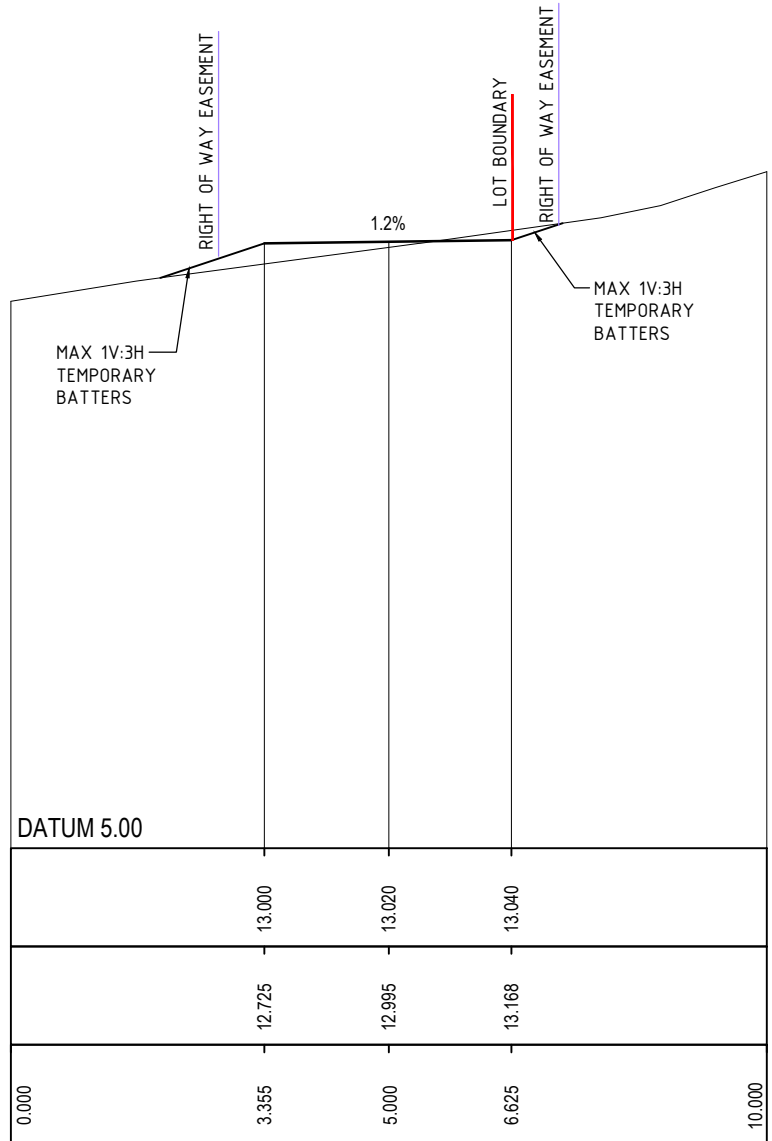
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|-----------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|------------|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|
|                                               |  |  |  |  |  |  |  |  |  | CLIENT                                                                                |  |  |  |  |  |  |  |  |  | ARCHITECT                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | PROJECT                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | STATUS                          |  |  |  |  |  |  |  |  |  | TITLE                 |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  <div>Level One, One Chifley Square Sydney NSW 2000 Australia<br/>www.scottcarver.com.au +61 2 9557 3988</div> |  |  |  |  |  |  |  |  |  | <div>Sydney Office —<br/>12, 8 Windmill St<br/>Sydney NSW 2000<br/>P / +61 2 9770 3300 E / info@bgeeng.com<br/>bgeeng.com—</div>  |  |  |  |  |  |  |  |  |  | ISSUED FOR APPROVAL             |  |  |  |  |  |  |  |  |  | LONGITUDINAL SECTIONS |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
|                                               |  |  |  |  |  |  |  |  |  |                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | NOT TO BE USED FOR CONSTRUCTION |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| C 09.10.23 ISSUED FOR DEVELOPMENT APPROVAL SH |  |  |  |  |  |  |  |  |  |                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  | DRAWN HA              |  |  |  |  |  |  |  |  |  | DESIGNED SM |  |  |  |  |  |  |  |  |  | CHECKED SH |  |  |  |  |  |  |  |  |  | APPROVED |  |  |  |  |  |  |  |  |  |
| B 09.10.23 ISSUED FOR DEVELOPMENT APPROVAL SH |  |  |  |  |  |  |  |  |  |                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| A 19.09.23 ISSUED FOR DEVELOPMENT APPROVAL SH |  |  |  |  |  |  |  |  |  |                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                 |  |  |  |  |  |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| REV DATE DESCRIPTION RVD                      |  |  |  |  |  |  |  |  |  | REV DATE DESCRIPTION RVD                                                              |  |  |  |  |  |  |  |  |  | DATE                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | SCALE                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | PROJECT NO.                     |  |  |  |  |  |  |  |  |  | DRAWING NO.           |  |  |  |  |  |  |  |  |  | REV.        |  |  |  |  |  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |
| REVISIONS                                     |  |  |  |  |  |  |  |  |  | REVISIONS                                                                             |  |  |  |  |  |  |  |  |  | AHD                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | GDA2020 MGA-56                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | AS SHOWN                        |  |  |  |  |  |  |  |  |  | AT A1 SIZE            |  |  |  |  |  |  |  |  |  | S22042      |  |  |  |  |  |  |  |  |  | CI-0350    |  |  |  |  |  |  |  |  |  | C        |  |  |  |  |  |  |  |  |  |



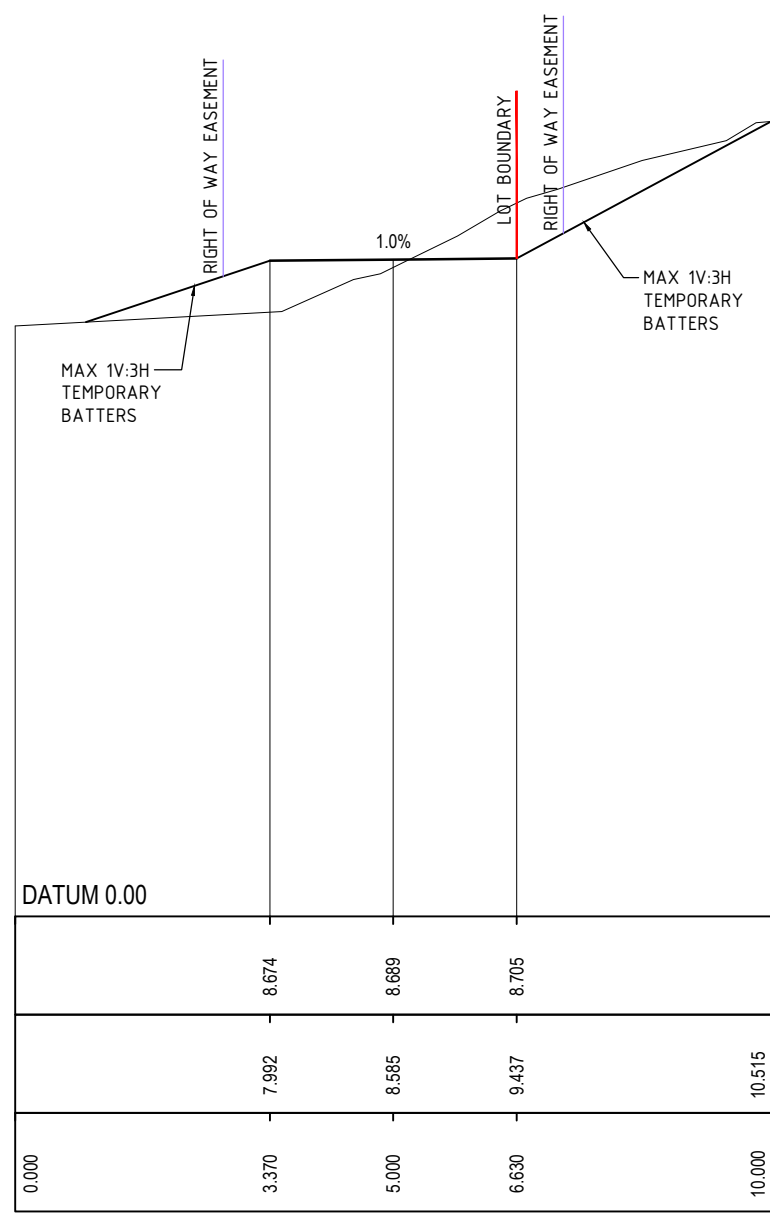
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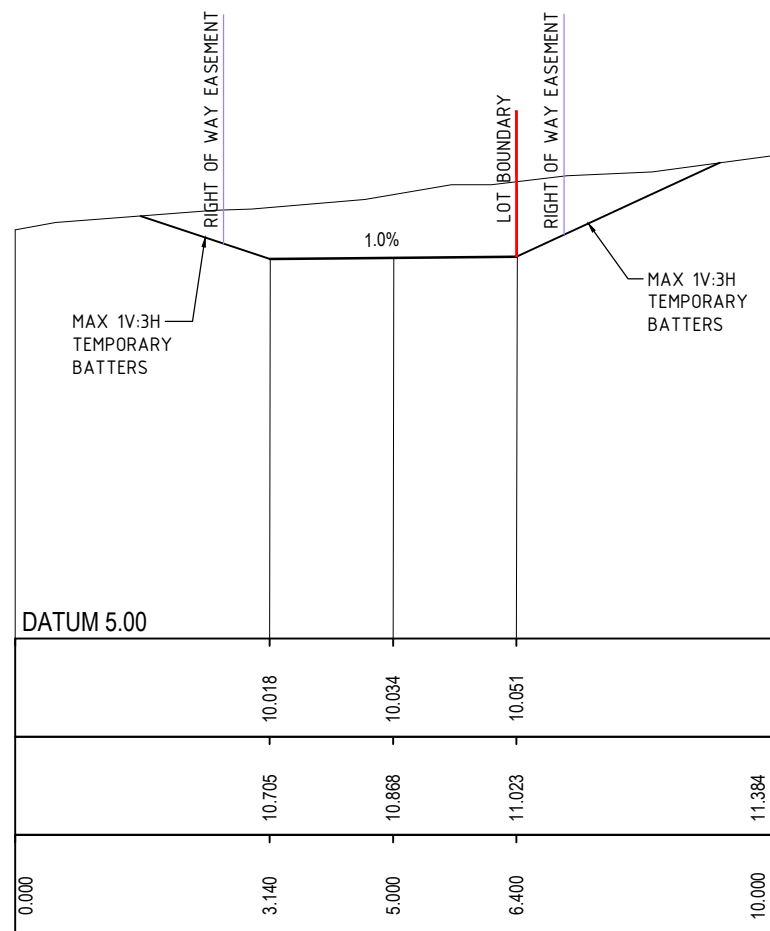
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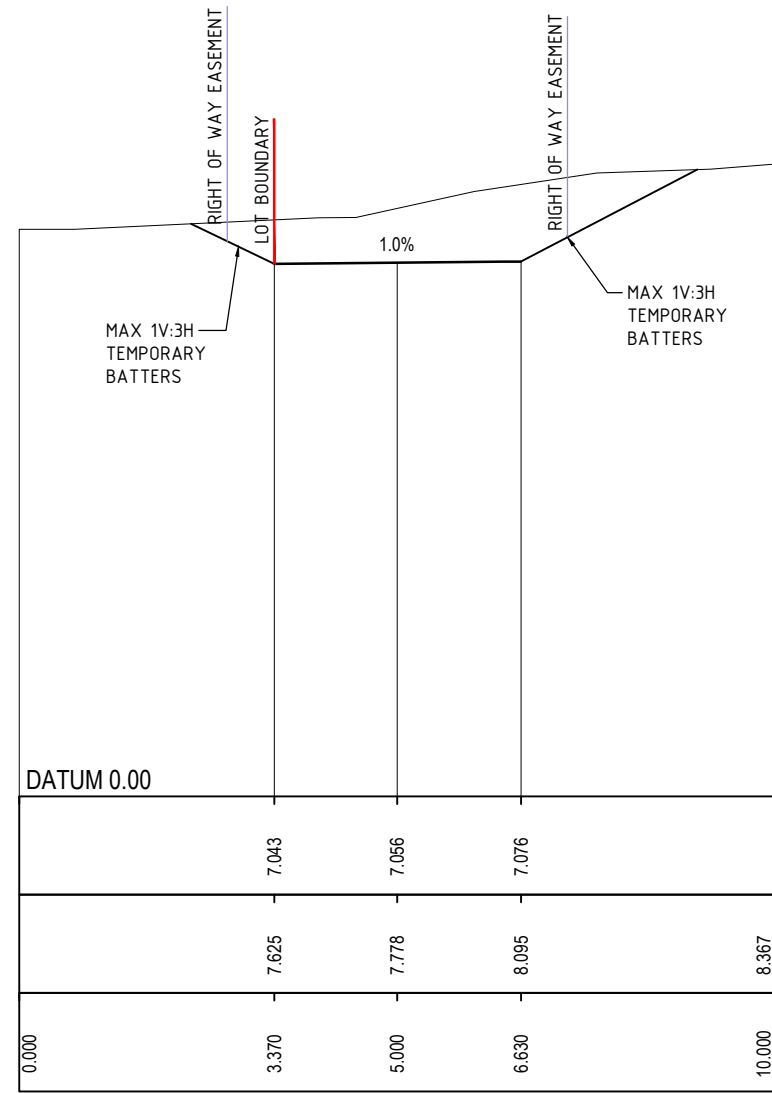
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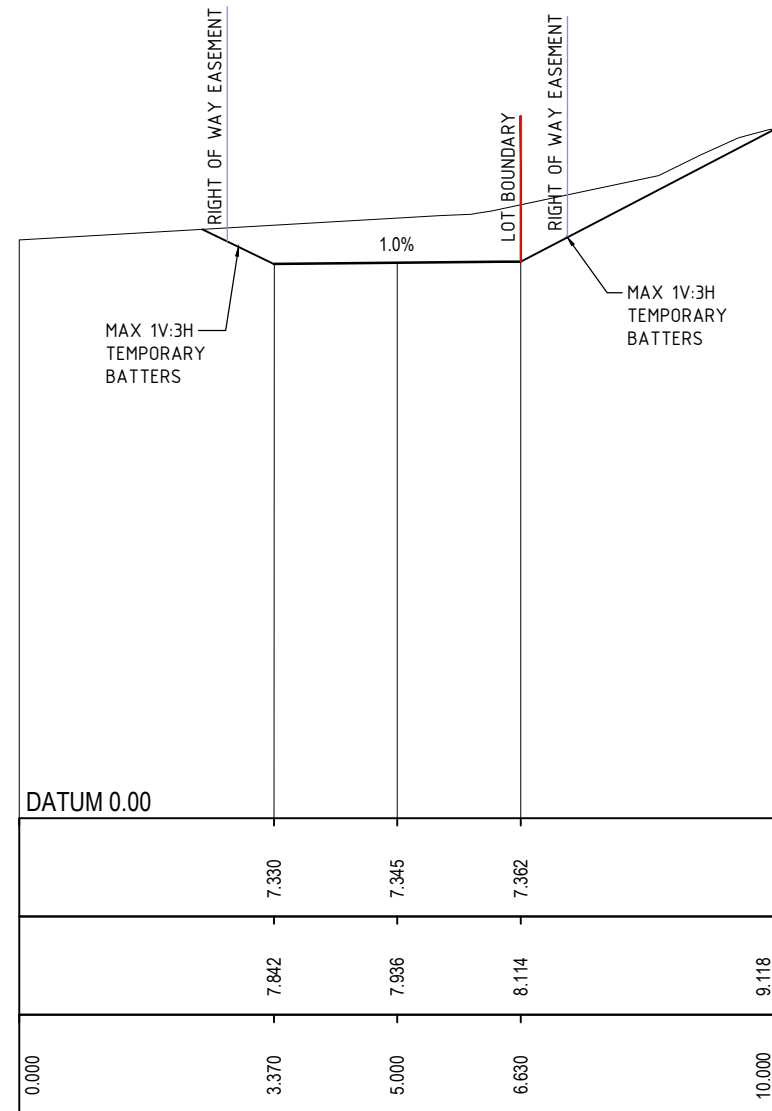
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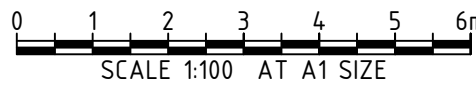
CH 26.00



CH 51.085



CH 46.00



| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |
|-----|----------|---------------------------------|-----|-----|------|-------------|-----|
| B   | 09.10.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A   | 19.09.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |

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PROJECT

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

STATUS

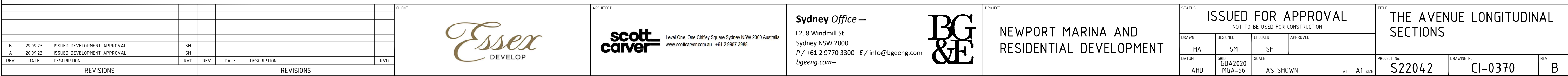
ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

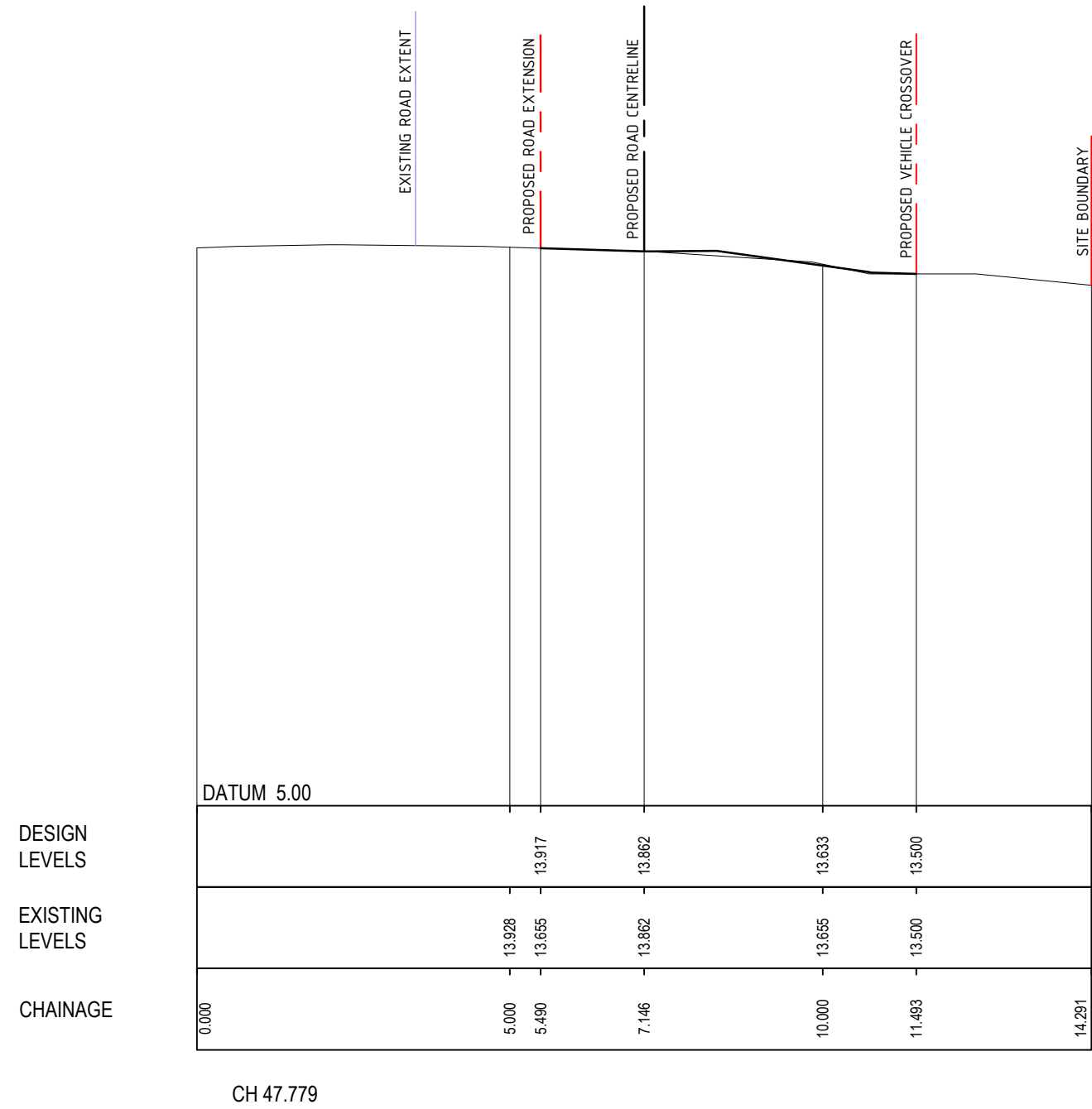
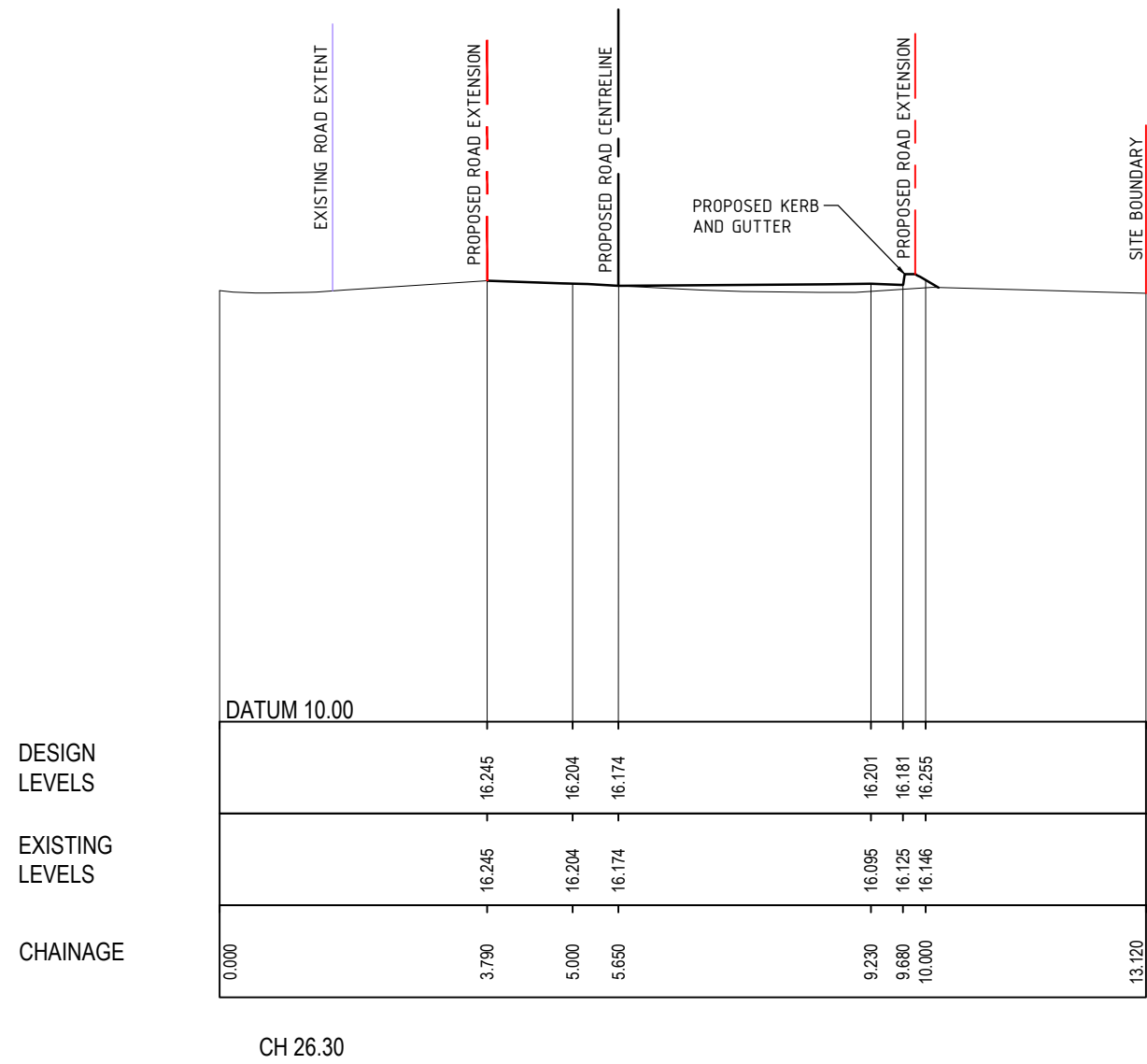
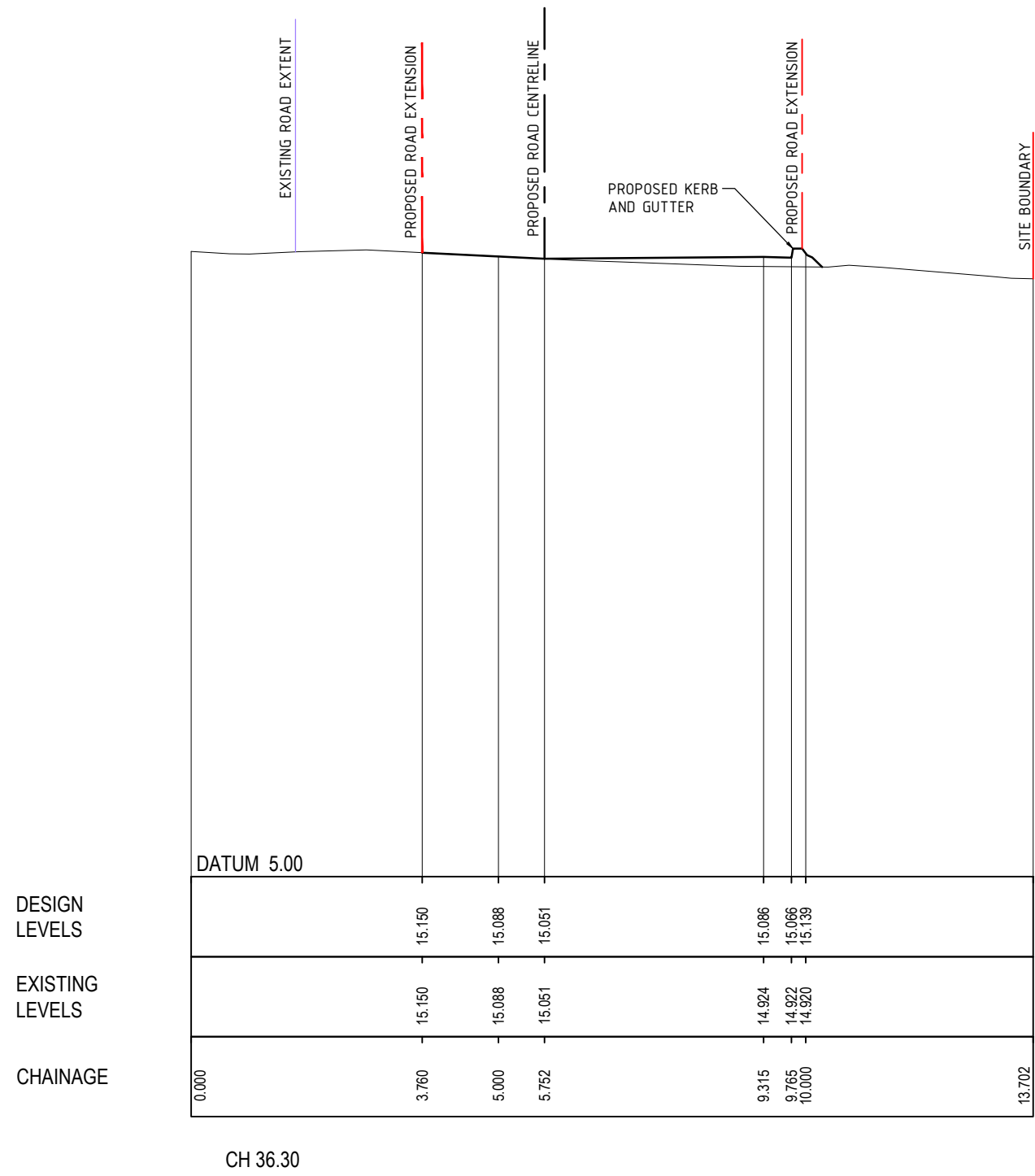
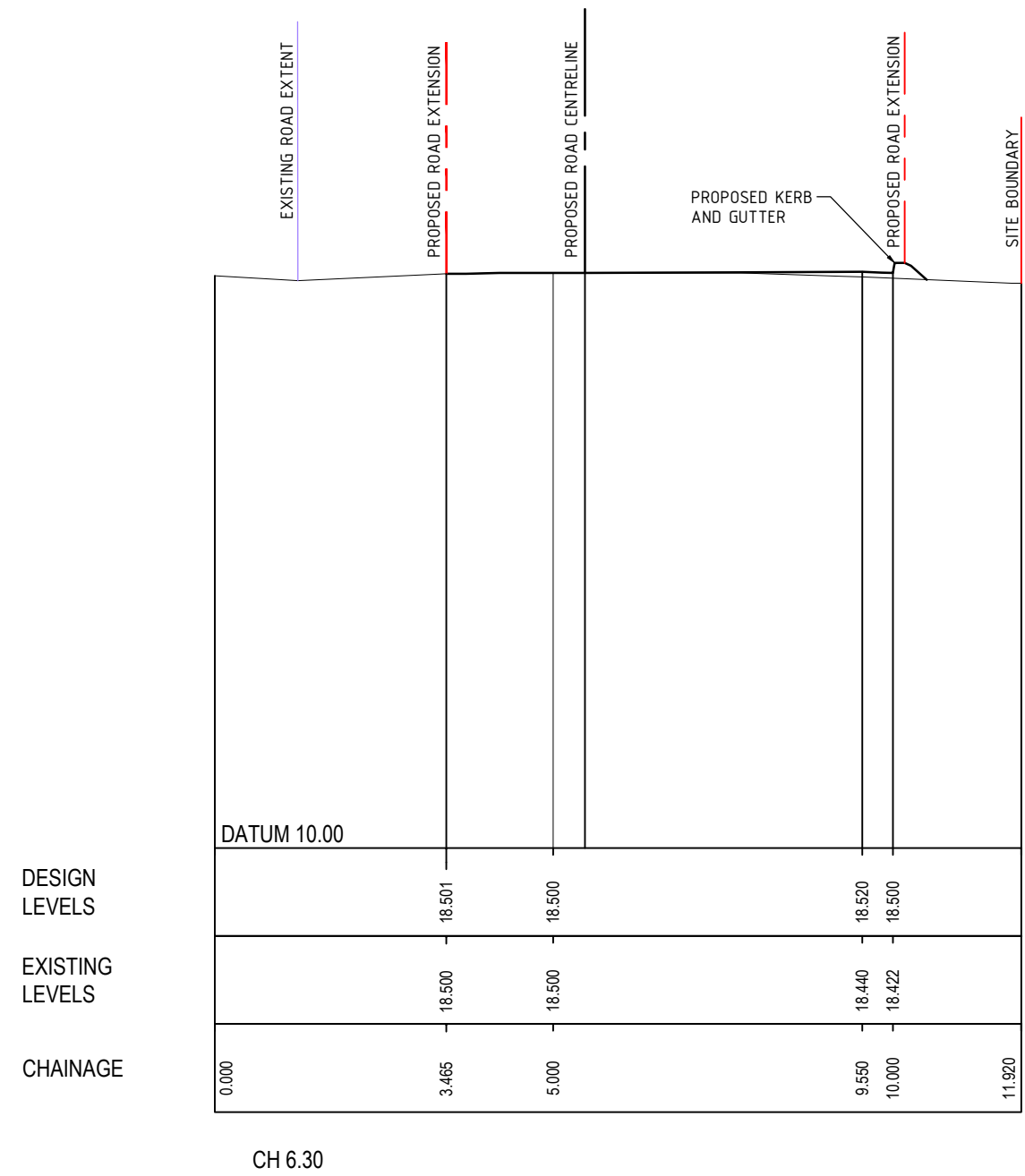
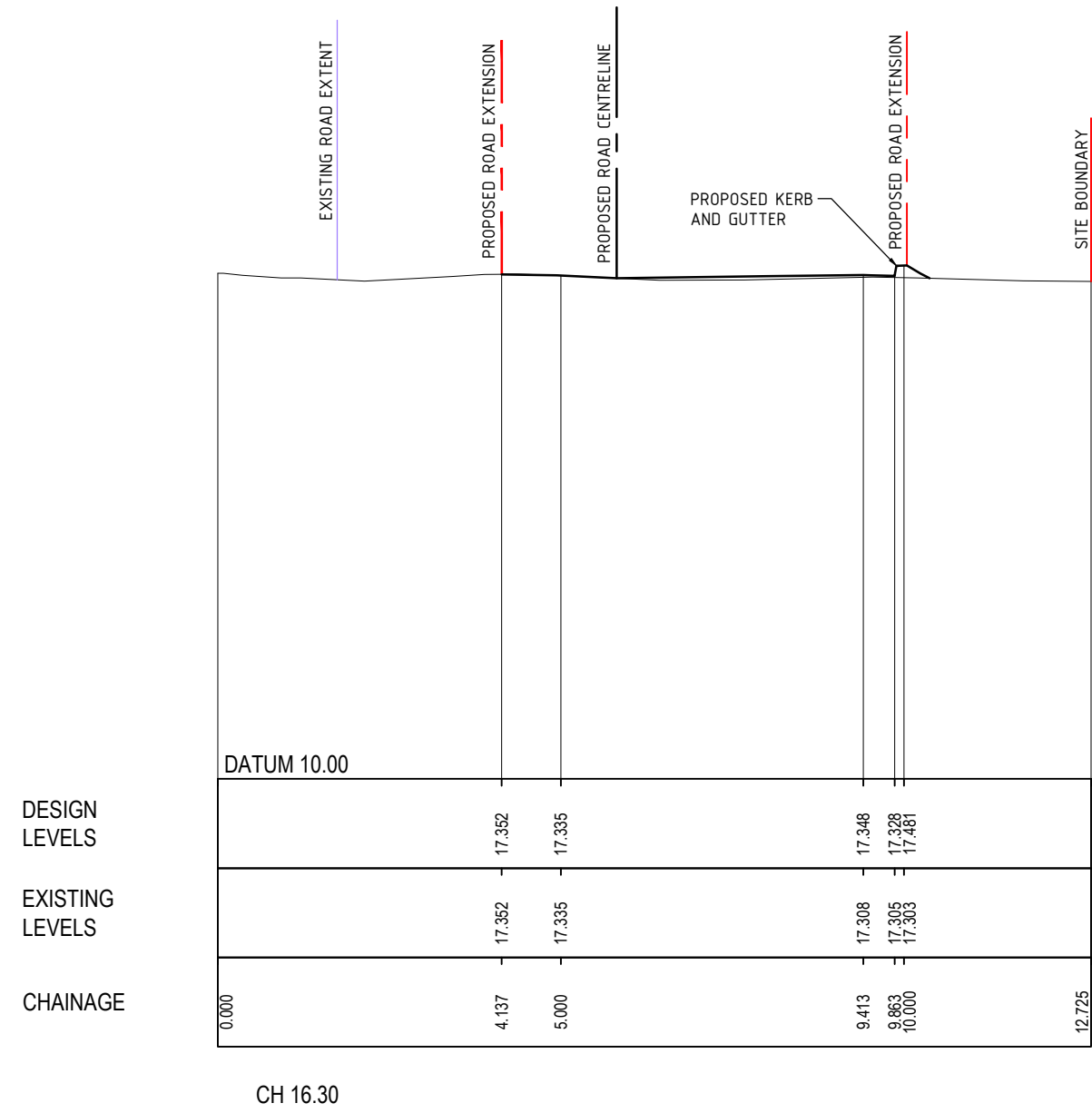
|       |                   |         |          |
|-------|-------------------|---------|----------|
| DRAWN | DESIGNED          | CHECKED | APPROVED |
| HA    | SM                | SH      |          |
| DATUM | GDA2020<br>MGA-56 | SCALE   | AS SHOWN |
| AHD   |                   | AT      | A1 SIZE  |

TITLE

CROSS  
SECTIONS

|             |             |      |
|-------------|-------------|------|
| PROJECT No. | DRAWING No. | REV. |
| S22042      | CI-0360     | B    |





| REV       | DATE     | DESCRIPTION                 | RVD | REV | DATE | DESCRIPTION | RVD |
|-----------|----------|-----------------------------|-----|-----|------|-------------|-----|
| B         | 29.09.23 | ISSUED DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A         | 20.09.23 | ISSUED DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REVISIONS |          |                             |     |     |      |             |     |

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PROJECT

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

STATUS

ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

| DRAWN | DESIGNED | CHECKED | APPROVED |
|-------|----------|---------|----------|
| HA    | SM       | SH      |          |

DATUM

AHD

GRID

GDA2020  
MGA-56

SCALE

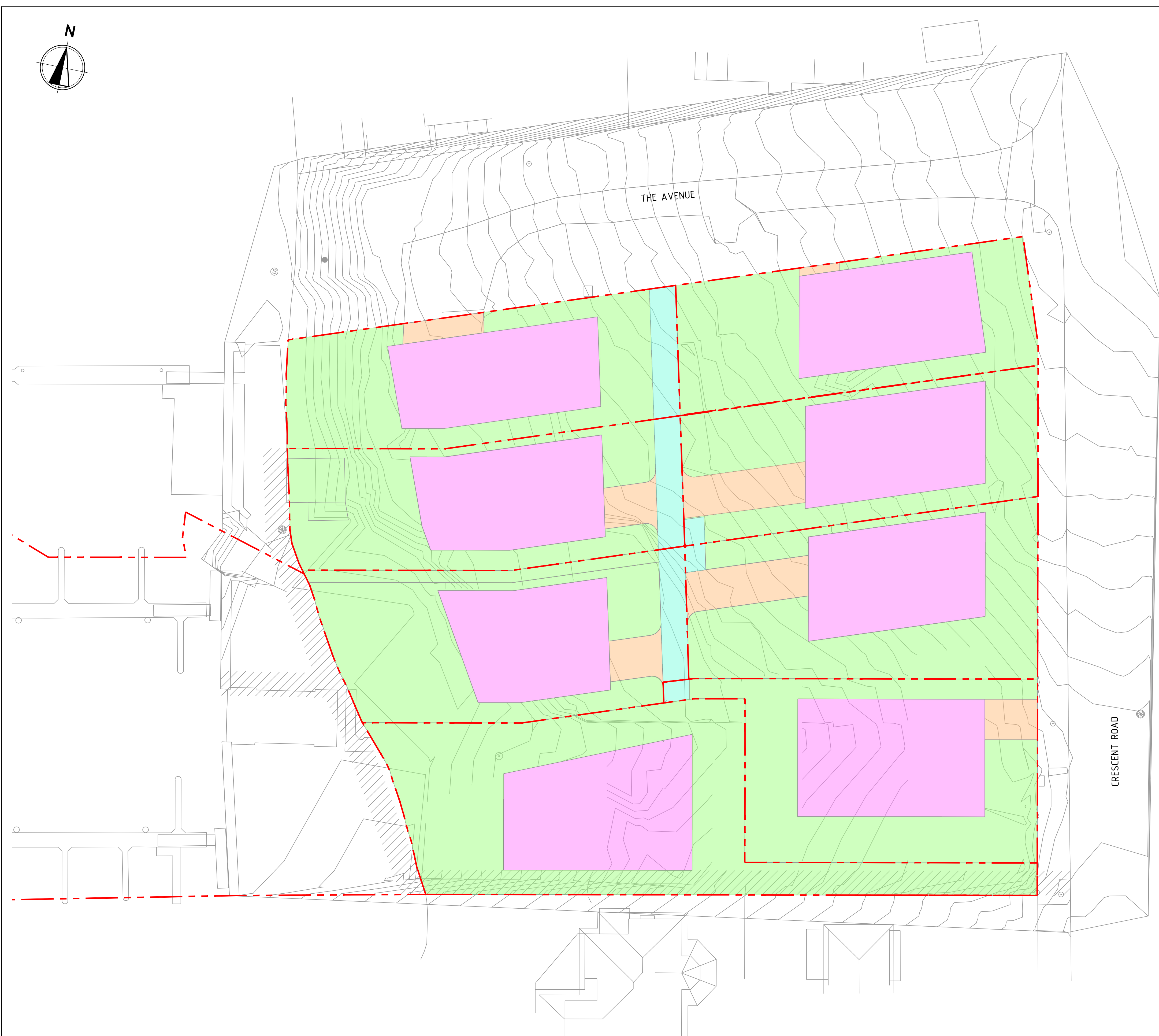
AS SHOWN

AT A1 SIZE

TITLE

THE AVENUE CROSS  
SECTIONS

| PROJECT No. | DRAWING No. | REV. |
|-------------|-------------|------|
| S22042      | CI-0371     | B    |

 SITE BOUNDARY

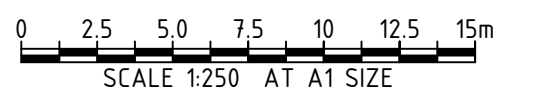
- |                                                                                     |                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------|
|  | ROOF AREA (2326.08m <sup>2</sup> )      |
|  | DRIVEWAY AREA (282.31m <sup>2</sup> )   |
|  | LANDSCAPE AREA (3734.68m <sup>2</sup> ) |
|  | ROAD AREA (182.23m <sup>2</sup> )       |
|                                                                                     | (TOTAL 6525.3m <sup>2</sup> )           |

TREATMENT NODES:

- STORMFILTER CHAMBER WITH 10xOCEAN PROTECT 690mm PSORB (MCC) STORMFILTER CARTRIDGES OR EQUIVALENT PRODUCT.

| TREATMENT STANDARDS    |             |               |                         |
|------------------------|-------------|---------------|-------------------------|
| POLLUTANT              | POST(kg/yr) | REDUCTION (%) | COUNCIL REQUIREMENTS(%) |
| GROSS POLLUTANT        | 0.0         | 100           | 90                      |
| TOTAL SUSPENDED SOLIDS | 50.2        | 85.3          | 85                      |
| TOTAL PHOSPHORUS       | 0.224       | 77.5          | 65                      |
| TOTAL NITROGEN         | 4.2         | 56.1          | 45                      |

STORMWATER DRAINAGE REQUIREMENTS HAVE BEEN CALCULATED IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S WSUD & MUSIC MODELLING GUIDELINES.

[illegible]

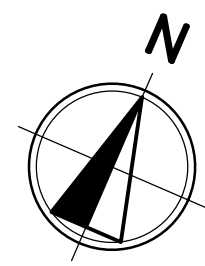
**Sydney Office –**  
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Sydney NSW 2000  
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[bgeeng.com](http://bgeeng.com)—

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

|                                                                     |                   |         |            |
|---------------------------------------------------------------------|-------------------|---------|------------|
| STATUS                                                              |                   |         |            |
| <h1>ISSUED FOR APPROVAL</h1> <p>NOT TO BE USED FOR CONSTRUCTION</p> |                   |         |            |
| DRAWN                                                               | DESIGNED          | CHECKED | APPROVED   |
| JL                                                                  | AM                | SH      |            |
| DATE                                                                | GRID              | SCALE   |            |
| AHD                                                                 | GDA2020<br>MGA-56 | 1:250   | AT A1 SIZE |

TITLE MUSIC CATCHMENT PLAN

|                       |                        |           |
|-----------------------|------------------------|-----------|
| PROJECT No.<br>S22042 | DRAWING No.<br>CI-0380 | REV.<br>B |
|-----------------------|------------------------|-----------|



CROWN LAND  
LICENCE  
No.460612

PITTWATER

295  
DP 820302  
2498m<sup>2</sup>

PLAN  
SCALE 1:250

## LEGEND

- SITE BOUNDARY
- STABILISED SITE ACCESS
- SEDIMENT FENCE
- SECURITY FENCE
- SUGGESTED TEMPORARY STOCKPILE LOCATION
- GROUND FLOOR ARCHITECTURAL
- MESH & GRAVEL INLET FILTER

## EXISTING SERVICES

- NBN --- EXISTING NBN
- G --- EXISTING GAS
- S --- EXISTING SEWER
- SW --- EXISTING STORMWATER

## NOTES

- REFER DRAWING CI-0710 FOR EROSION AND SEDIMENT CONTROL DETAILS.
- CONTRACTOR TO ENSURE SITE DRAINAGE IS NOT ADVERSELY IMPACTED DURING CONSTRUCTION.
- CONTRACTOR TO PROVIDE 'SANDBAG SEDIMENT TRAP' TO ALL PAVED / ROAD AREAS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- CONTRACTOR TO PROVIDE 'GEOTEXTILE INLET FILTER TRAPS' TO ALL STORMWATER DRAINAGE INLETS (BOTH PROPOSED AND EXISTING) IN ACCORDANCE WITH THE 'BLUE BOOK'.
- INSTALL AND MAINTAIN SANDBAG FILTERS ACROSS ALL PAVEMENT INTERFACES.

0 2.5 5.0 7.5 10 12.5 15m  
SCALE 1:250 AT A1 SIZE

| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |
|-----|----------|---------------------------------|-----|-----|------|-------------|-----|
| C   | 09.10.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| B   | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| A   | 31.05.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |     |      |             |     |
| REV | DATE     | DESCRIPTION                     | RVD | REV | DATE | DESCRIPTION | RVD |

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PROJECT

NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT

STATUS

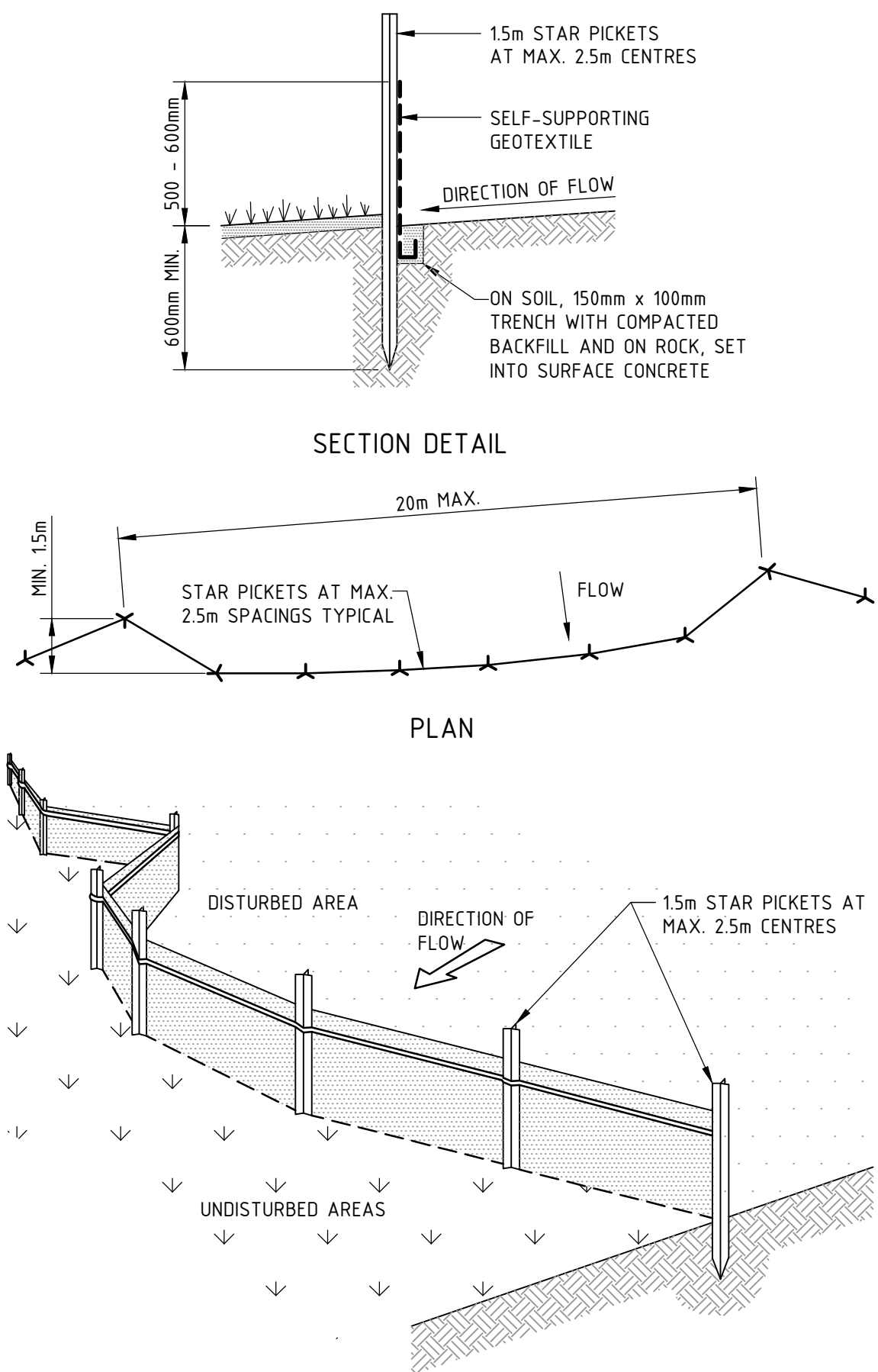
ISSUED FOR APPROVAL  
NOT TO BE USED FOR CONSTRUCTION

| DRAWN | DESIGNED          | CHECKED | APPROVED |
|-------|-------------------|---------|----------|
| HA    | AM                | SH      |          |
| DATUM | GRID              | SCALE   | AT       |
| AHD   | GDA2020<br>MGA-56 | 1:250   | A1 SIZE  |

TITLE

EROSION AND SEDIMENT  
CONTROL PLAN

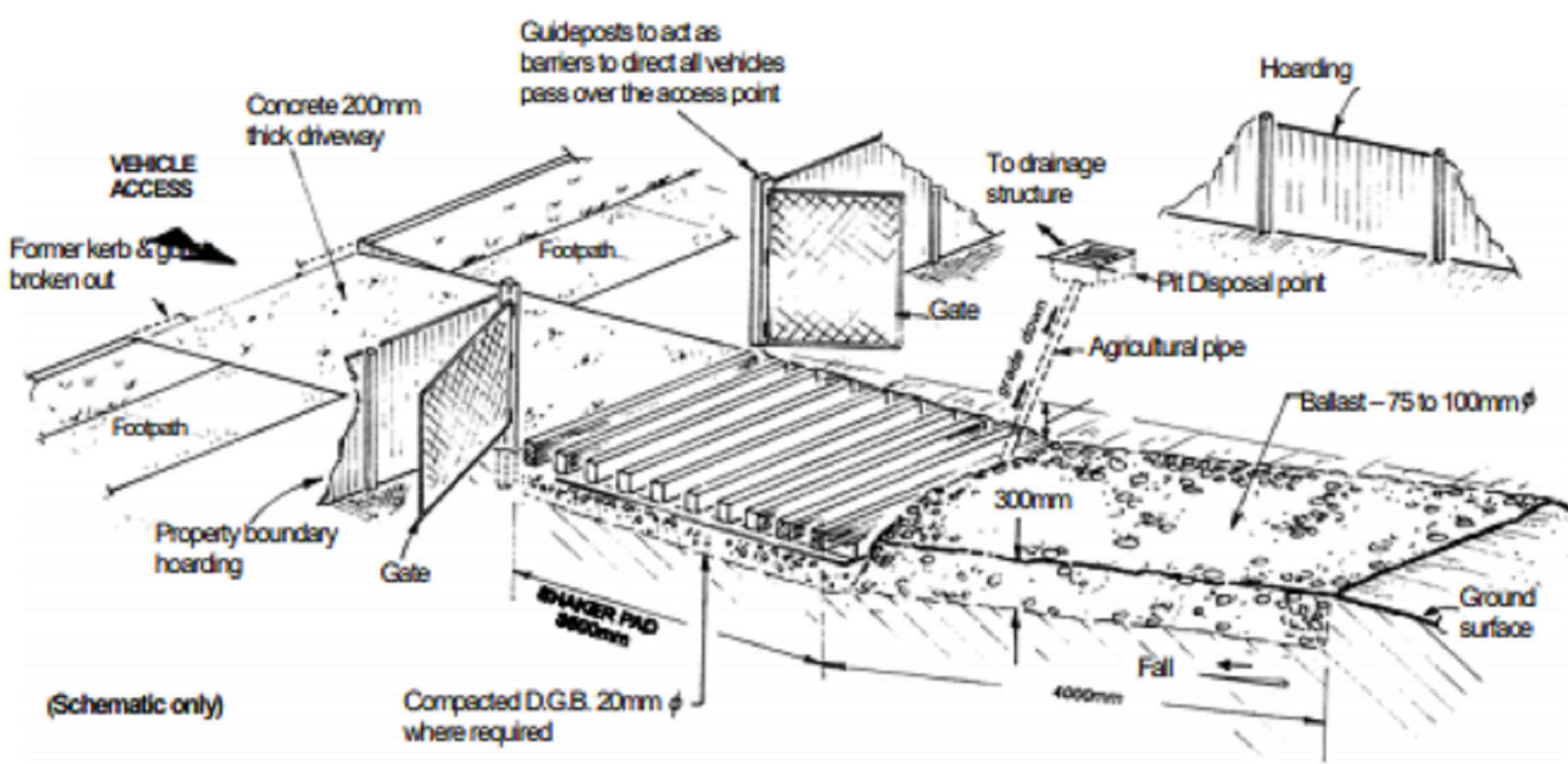
| PROJECT No. | DRAWING No. | REV |
|-------------|-------------|-----|
| S22042      | CI-0700     | C   |



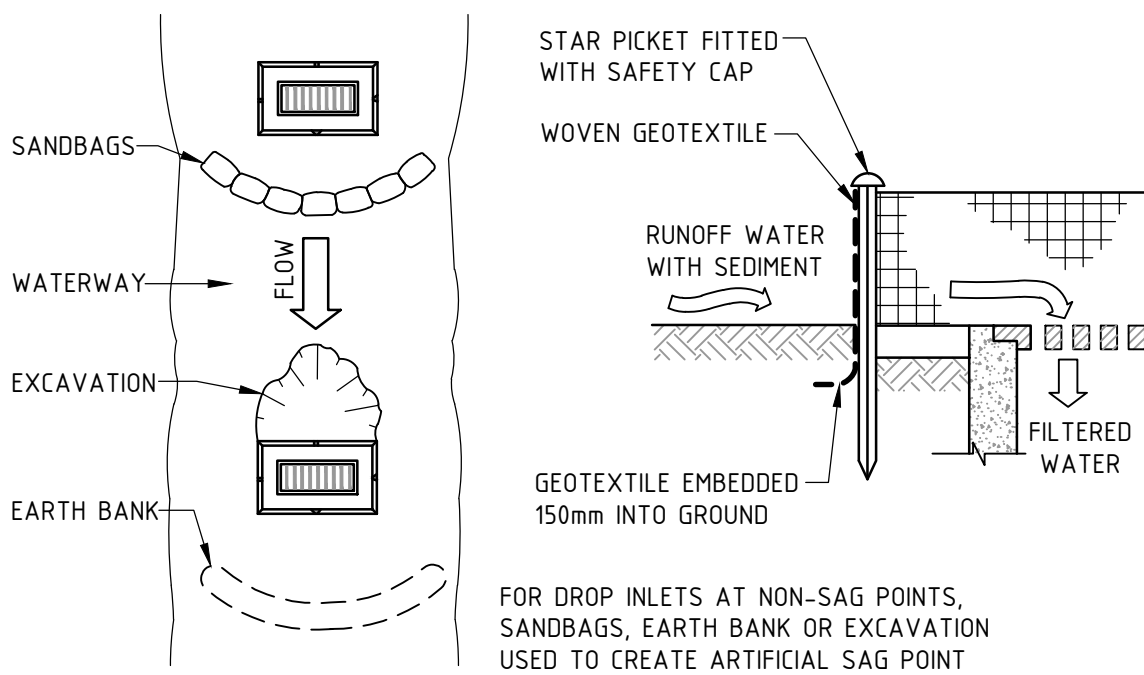
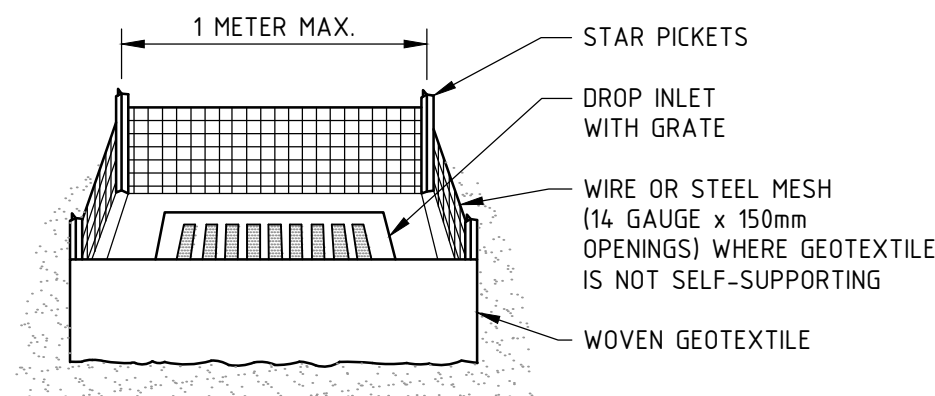
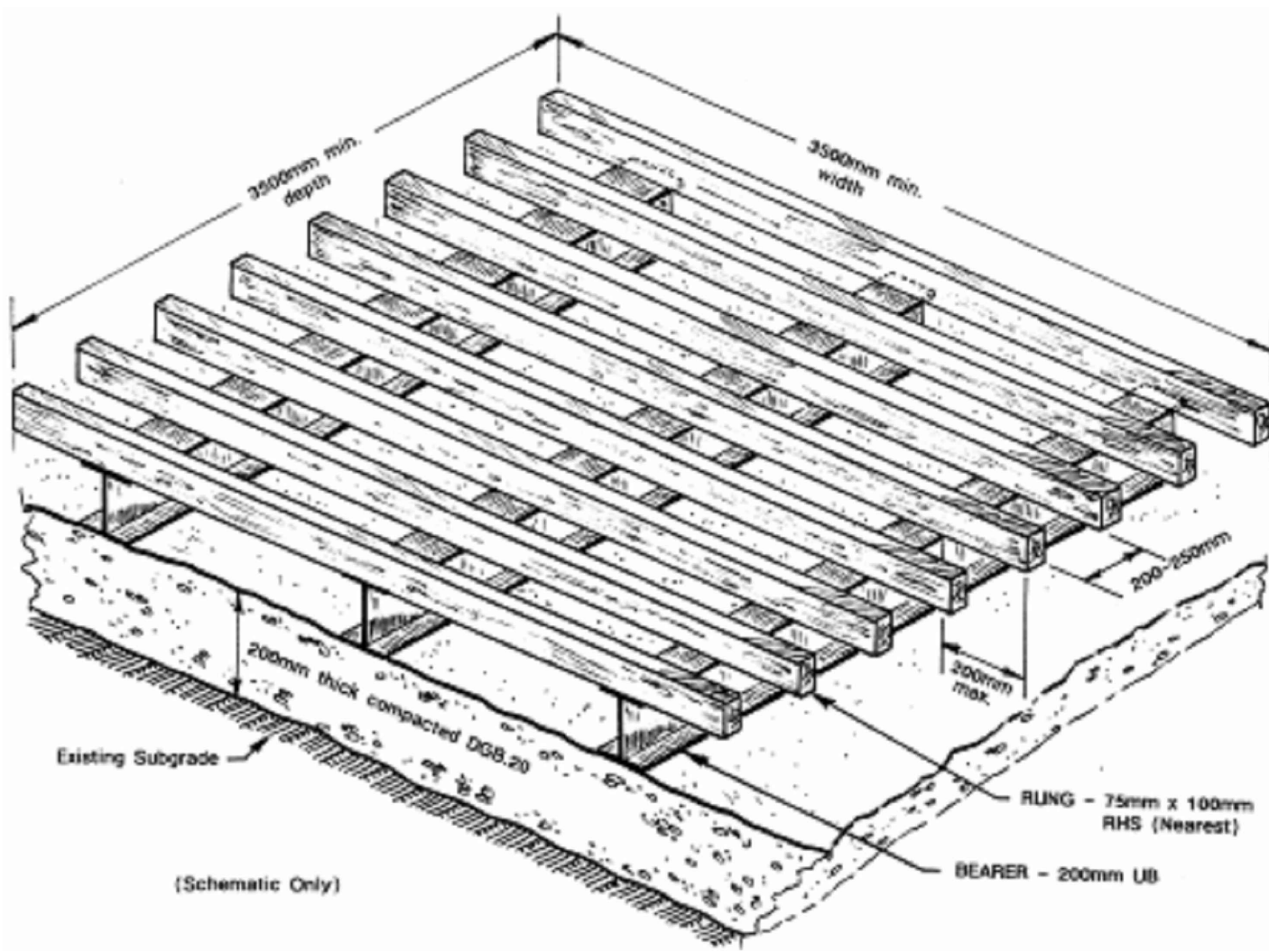
**SEDIMENT FENCE CONSTRUCTION NOTES:**

- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
- CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
- DRIVE 15m LONG STAR PICKETS INTO GROUND AT 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
- FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
- JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
- BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

**SEDIMENT FENCE**  
SCALE N.T.S.



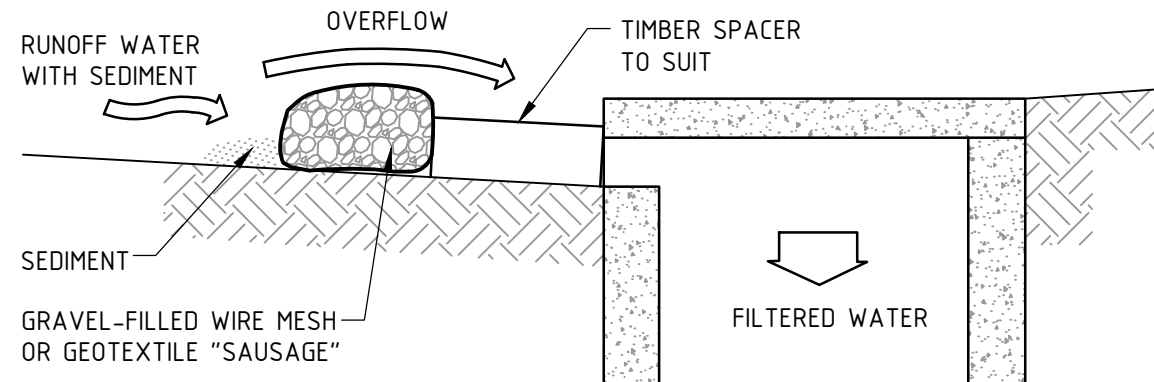
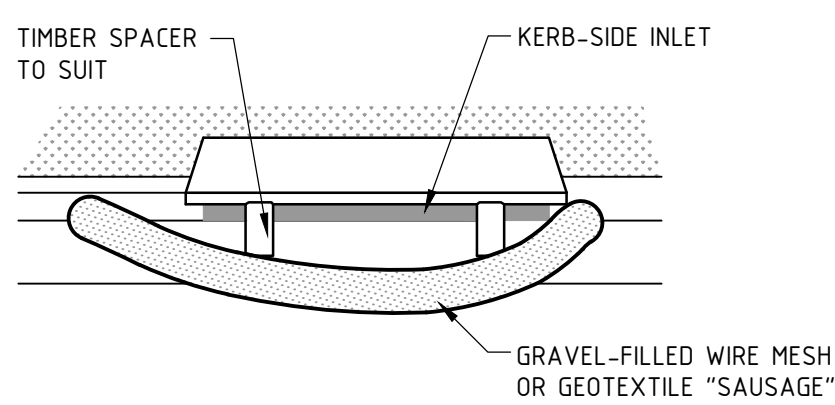
**STABILISED SITE ACCESS - SHAKER GRID**  
SCALE N.T.S.



**GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:**

- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- PICKET SPACING TO BE A MAXIMUM 10m CENTRES.
- IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
- DO NOT COVER THE INLET WITH GEOTEXTILES UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

**GEOTEXTILE INLET FILTER**  
SCALE N.T.S.



**MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:**

- INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
- FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
- PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
- FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

**MESH & GRAVEL INLET FILTER**  
SCALE N.T.S.

| REV       | DATE     | DESCRIPTION                     | RVD | REV       | DATE | DESCRIPTION | RVD |
|-----------|----------|---------------------------------|-----|-----------|------|-------------|-----|
| B         | 12.07.23 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |           |      |             |     |
| A         | 31.05.22 | ISSUED FOR DEVELOPMENT APPROVAL | SH  |           |      |             |     |
| REV       | DATE     | DESCRIPTION                     | RVD | REV       | DATE | DESCRIPTION | RVD |
| REVISIONS |          |                                 |     | REVISIONS |      |             |     |

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PROJECT

**NEWPORT MARINA AND  
RESIDENTIAL DEVELOPMENT**

STATUS

**ISSUED FOR APPROVAL**  
NOT TO BE USED FOR CONSTRUCTION

|       |                   |              |          |
|-------|-------------------|--------------|----------|
| DRAWN | DESIGNED          | CHECKED      | APPROVED |
| HA    | AM                | SH           |          |
| DATUM | GRID              | SCALE        |          |
| AHD   | GDA2020<br>MGA-56 | NOT TO SCALE |          |

AT A1 SIZE

TITLE

**EROSION AND SEDIMENT  
CONTROL DETAILS**

|             |             |     |
|-------------|-------------|-----|
| PROJECT No. | DRAWING No. | REV |
| S22042      | CI-0710     | B   |