

GLASTON RETIREMENT VILLAGE

CIVIL DRAWINGS

SHEETS LIST

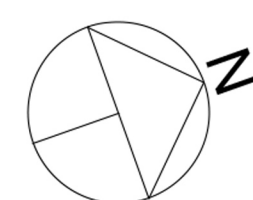
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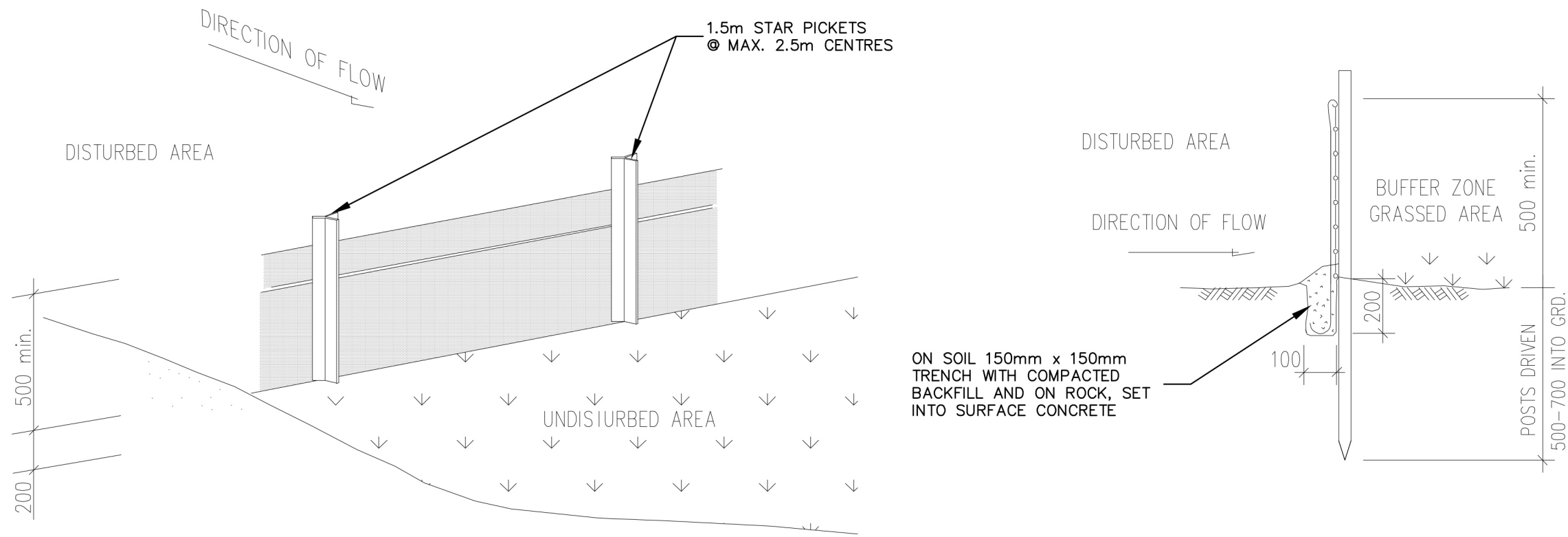


VIGOR
MASTER

Land Development
Architecture Design
Construction Management

Rev: 1



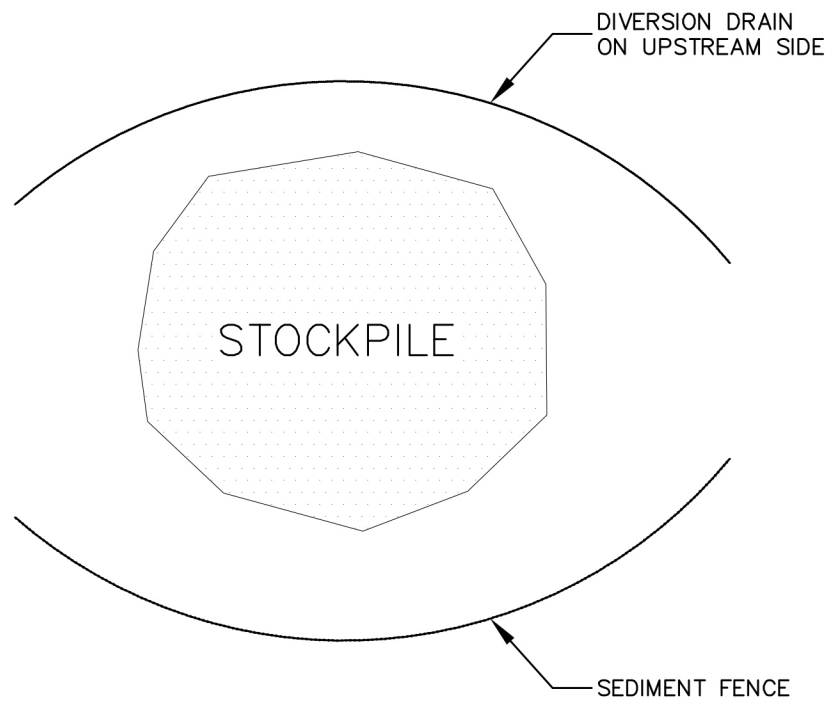


SEDIMENT FENCE

N.T.S

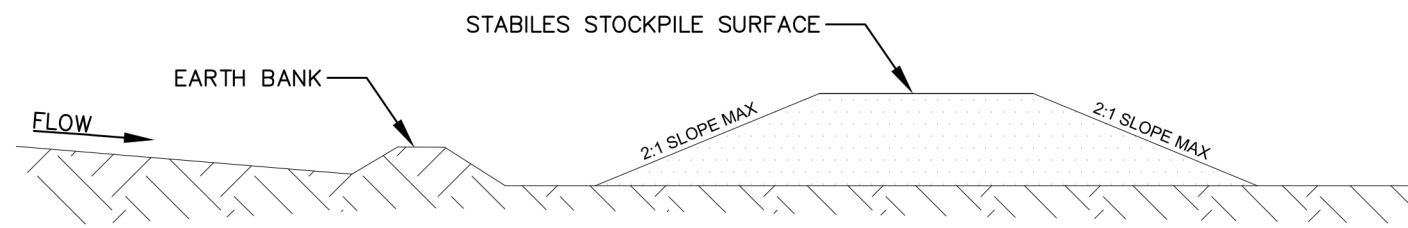
SEDIMENT FENCE CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURN AS SHOWN IN 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.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND @2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTLE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTLE EITH WIRW TIES OR AS RECOMMENED BY THE MANUFACTURE. ONLY USE GEOTEXTLE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



STOCKPILE PLAN

NOT TO SCALE

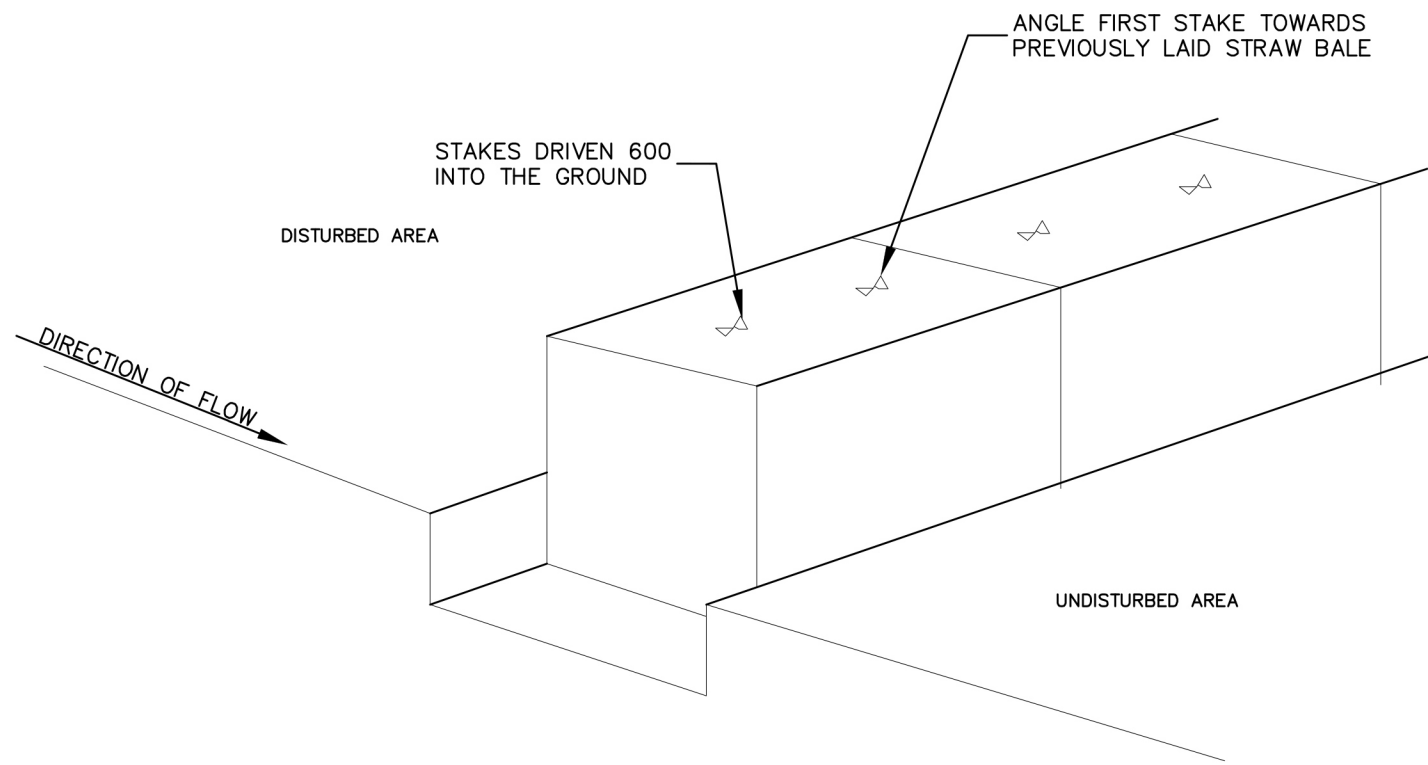


STOCKPILE SECTION

NOT TO SCALE

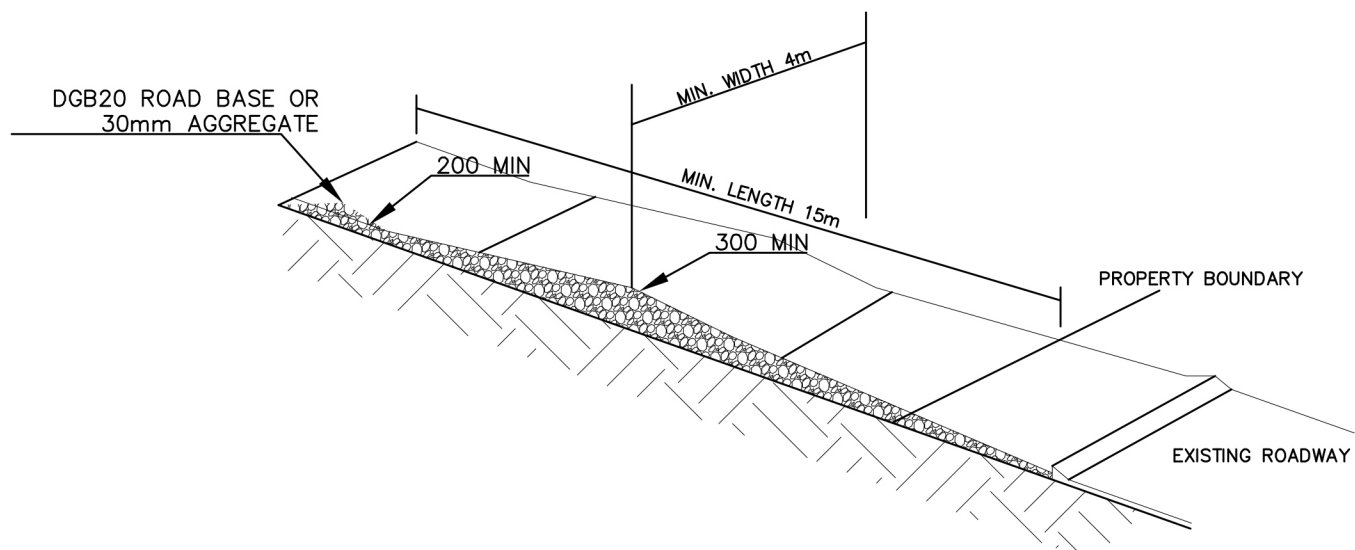
STOCKPILE CONSTRUCTION NOTES

1. PLACE STOCKPILE MORE THAN 2 (PREFERABLY 5) METRES FROM EXSITING VEGETATION, CONCENTRATED WATER FLOW, ROAD AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCE 1 TO 2 METRES DOWNSLOPE.



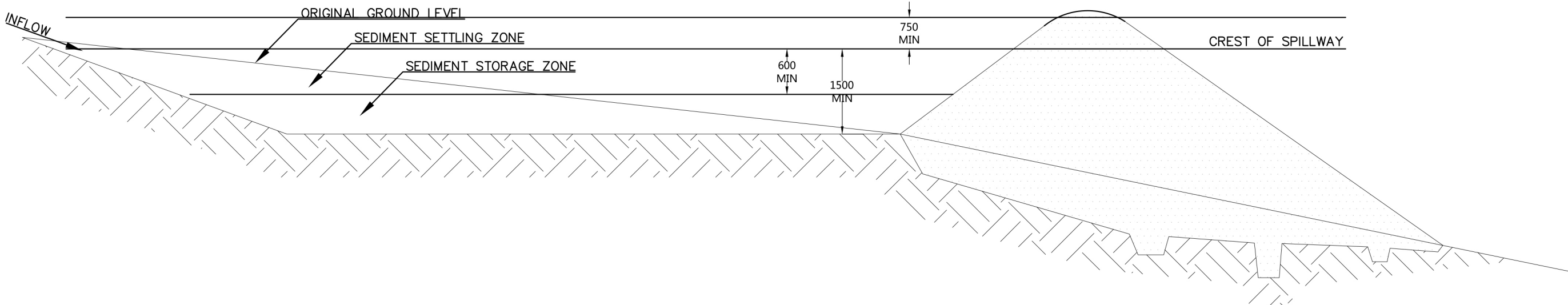
STRAW BALE FILTER

NOT TO SCALE



STABLES SITE ACCESS

NOT TO SCALE

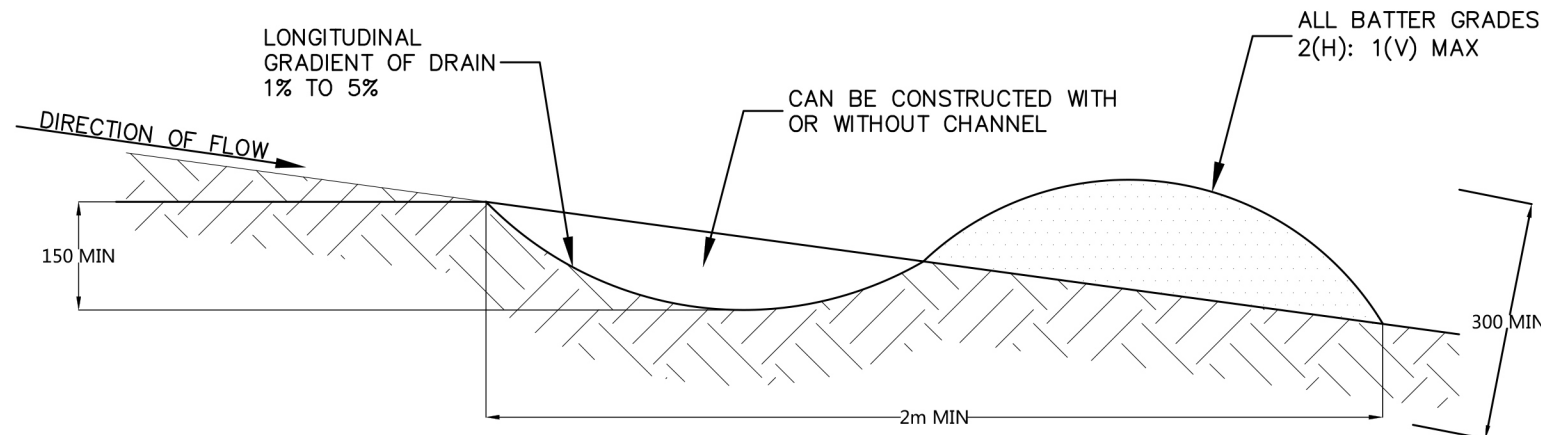


SEDIMENT BASIN

NOT TO SCALE

CONSTRUCTION NOTES

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. CONSTRUCTION A CUT-OFF TRENCH 500mm DEEP AND 1200mm WIDE ALONG THE CENTRELINE OF THE EMBANKMENT EXTENDING TO A POINT ON THE GULLY WALL LEVEL WITH THE RISER CREST.
3. MANTAIN THE TRENCH FREE OF WATER AND RECOMPACT THE MATERIALS WITH EQUIPMENT AS SPECIFIED IN THE SWMP TO 95% STANDARD PROCTOR DENSITY.
4. SELECT FILL FOLLOWING THE SWMP THAT IS FREE OF ROOTS, WOOD, ROCK, LARGE STONE OR FOREIGN MATERIAL.
5. PREPARE THE SITE UNDER THE EMBANKMENT BY RIPPING TO AT OPTIMUM MOISTURE CONTENT FOLLOWING THE SWMP.
6. SPREAD THE FILL IN 100mm TO 150mm LAYERS AND COMPACT IT AT OPTIMUM MOISTURE CONTENT FOLLOWING.
7. CONSTRUCT THE EMERGENCY SPILLWAY.
8. REHABILITATE THE STRUCTURE FOLLOWING THE AWMP.

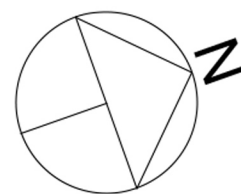


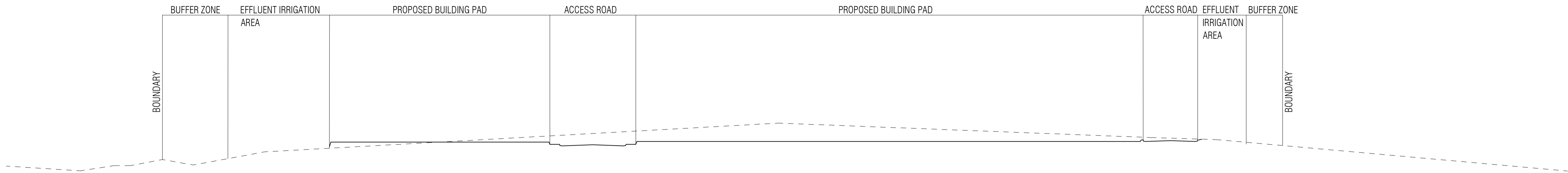
EARTH BANK(LOW FLOW)

NOT TO SCALE

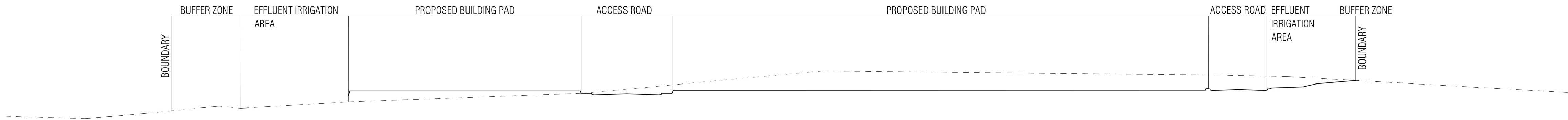
EARTH BANK CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1% AND 5%.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS-SECTIONS, NOT "V" SHAPED.
5. ENSURE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITH 10 DAYS OF CONSTRUCTION.





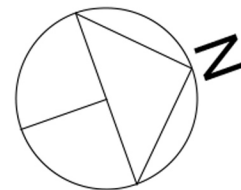
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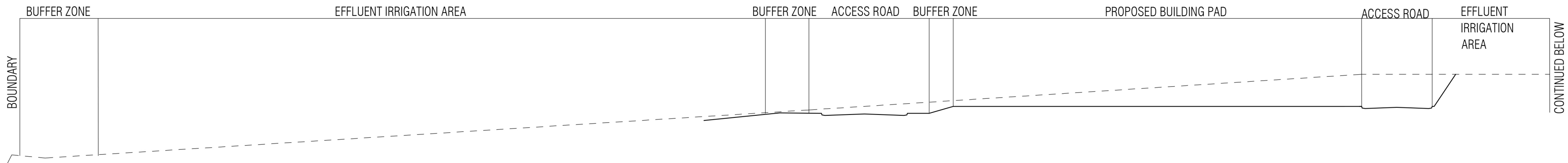


SECTION B
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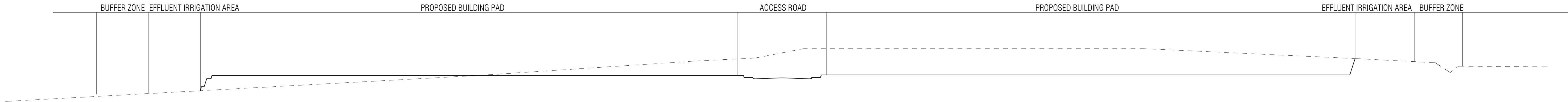
NOTES

1. THE DRIVEWAY PAVEMENT BE A MINIMUM 3 METRES WIDE, 0.15 METRES THICK REINFORCED CONCRETE WITH F72 STEEL REINFORCING FABRIC AND A 0.15 METRE SUB-BASE





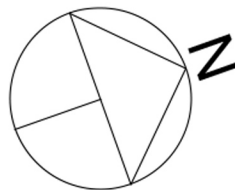
SECTION C
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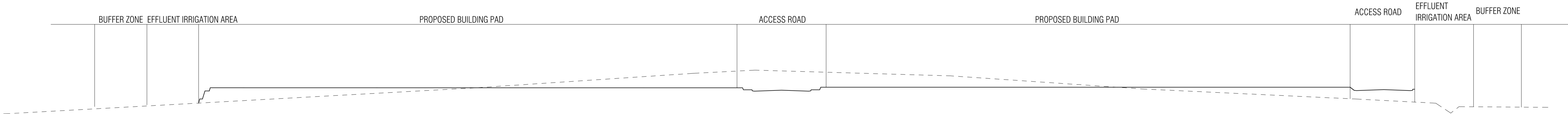


SECTION D
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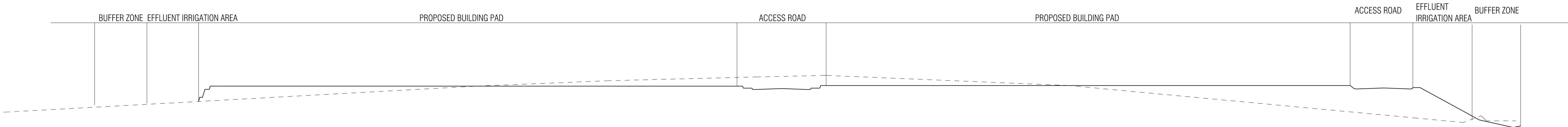
NOTES

- 1. THE DRIVEWAY PAVEMENT BE A MINIMUM 3 METRES WIDE, 0.15 METRES THICK REINFORCED CONCRETE WITH F72 STEEL REINFORCING FABRIC AND A 0.15 METRE SUB-BASE





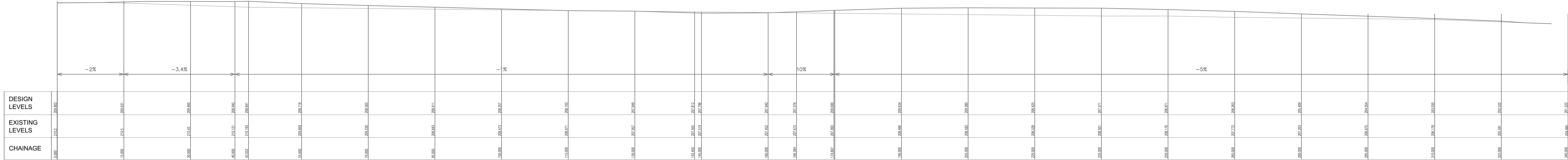
SECTION E
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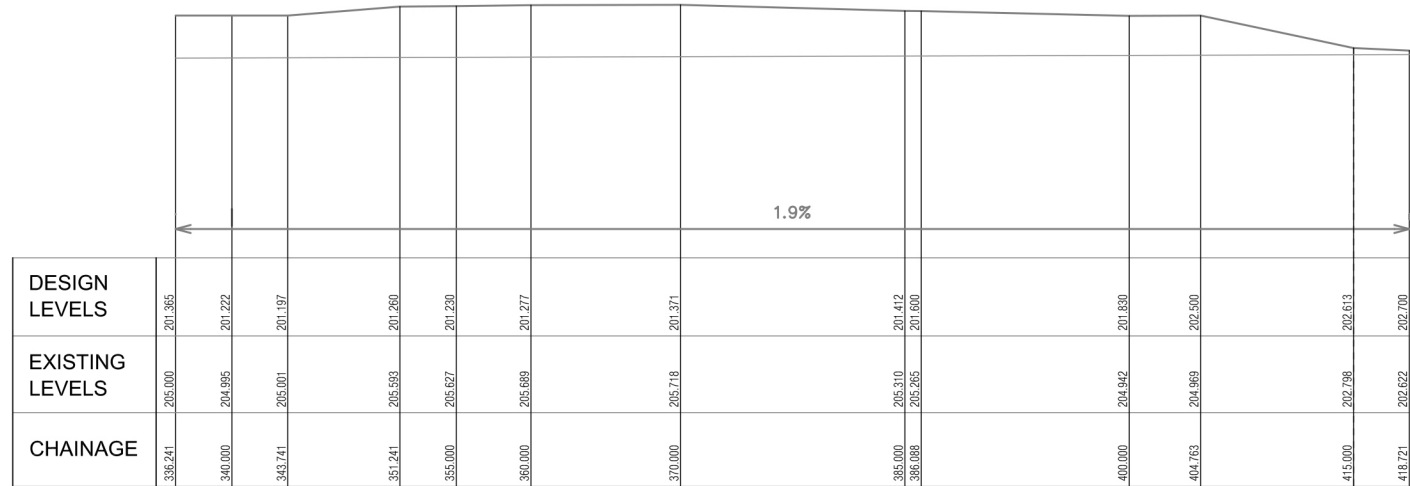
SECTION F
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NOTES

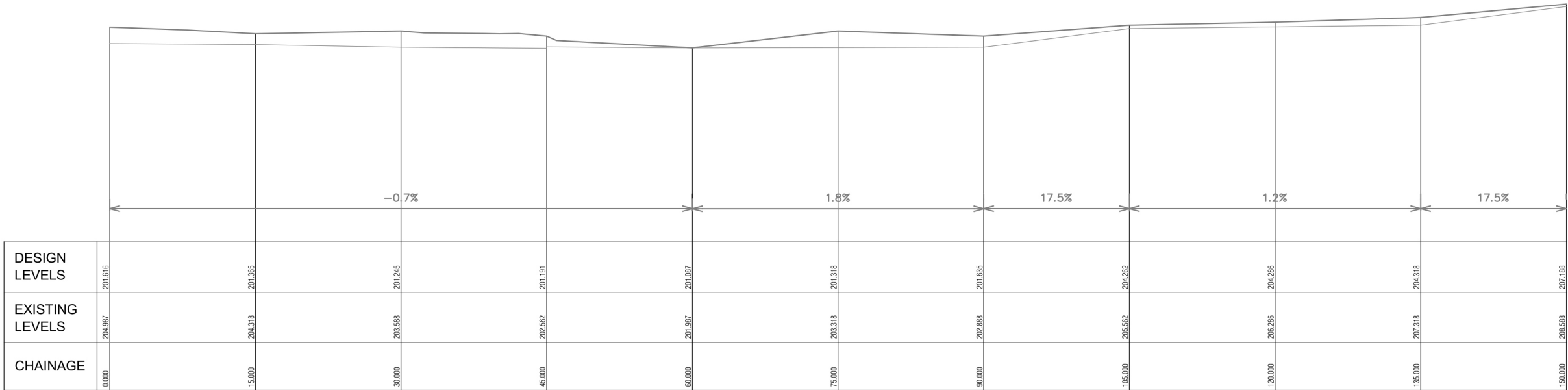
1. THE DRIVEWAY PAVEMENT BE A MINIMUM 3 METRES WIDE, 0.15 METRES THICK REINFORCED CONCRETE WITH F72 STEEL REINFORCING FABRIC AND A 0.15 METRE SUB-BASE



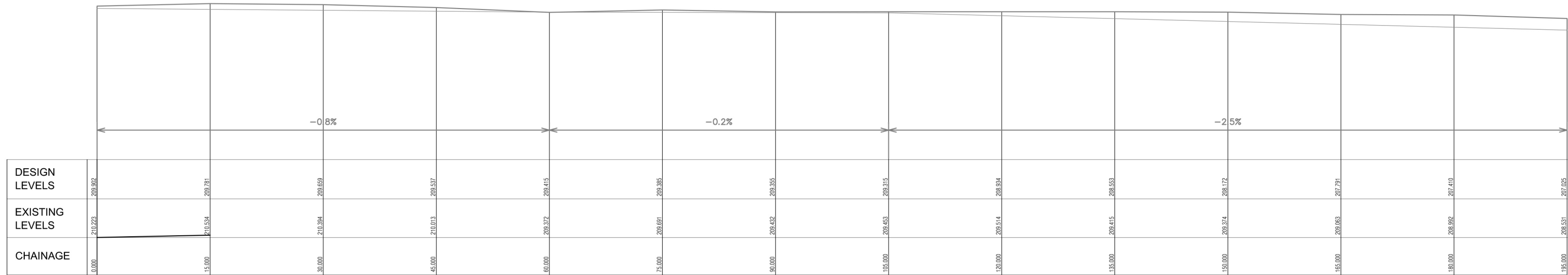
LONGITUDINAL SECTION CL 1
1: 200



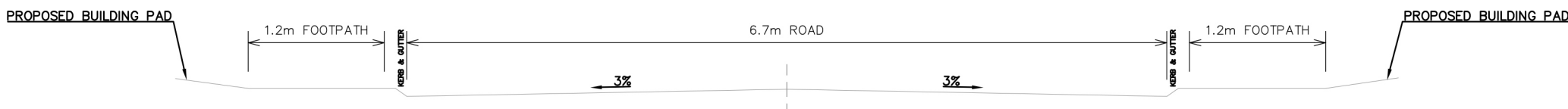
LONGITUDINAL SECTION CL 1-CONTINUE
1: 200



LONGITUDINAL SECTION CL 2
1: 200



LONGITUDINAL SECTION CL 3
1: 200



ROAD 1&2 TYPICAL SECTION
1: 50



ROAD 3 TYPICAL SECTION
1: 50

NOTES

1. THE DRIVEWAY PAVEMENT BE A MINIMUM 3 METRES WIDE, 0.15 METRES THICK REINFORCED CONCRETE WITH F72 STEEL REINFORCING FABRIC AND A 0.15 METRE SUB-BASE

Date
Jan 2019

Rev
1

Amendment

Project:
PROPOSED RETIREMENT VILLAGE

392 Galston Rd & Mid Dural Rd,
Galston NSW 2159



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Drawn by: EW

Checked by: AD

Title: ROAD LONG SECTION & TYPICAL ROAD CROSS SECTION

Job NO.: DA392RV

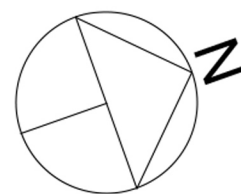
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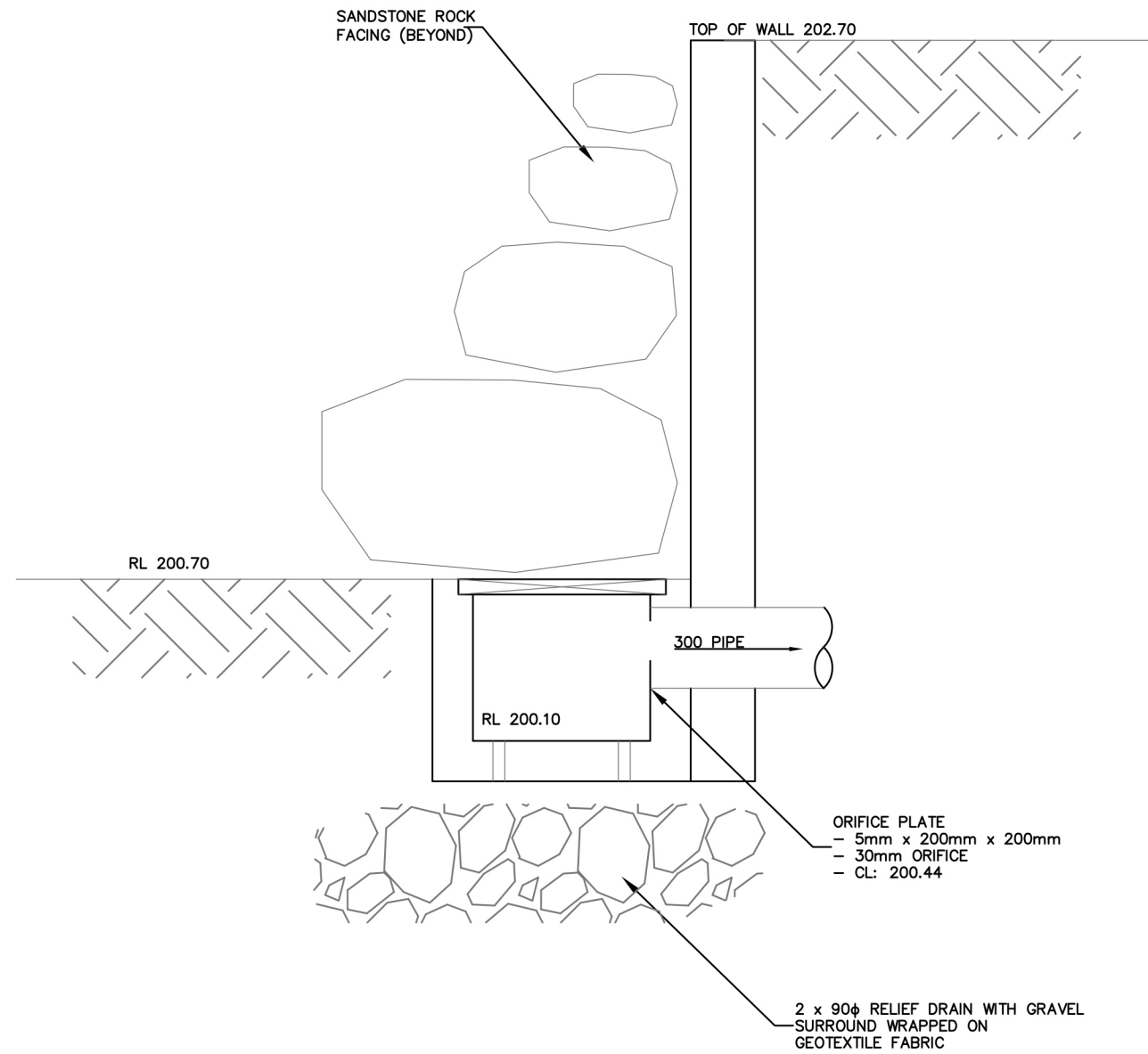
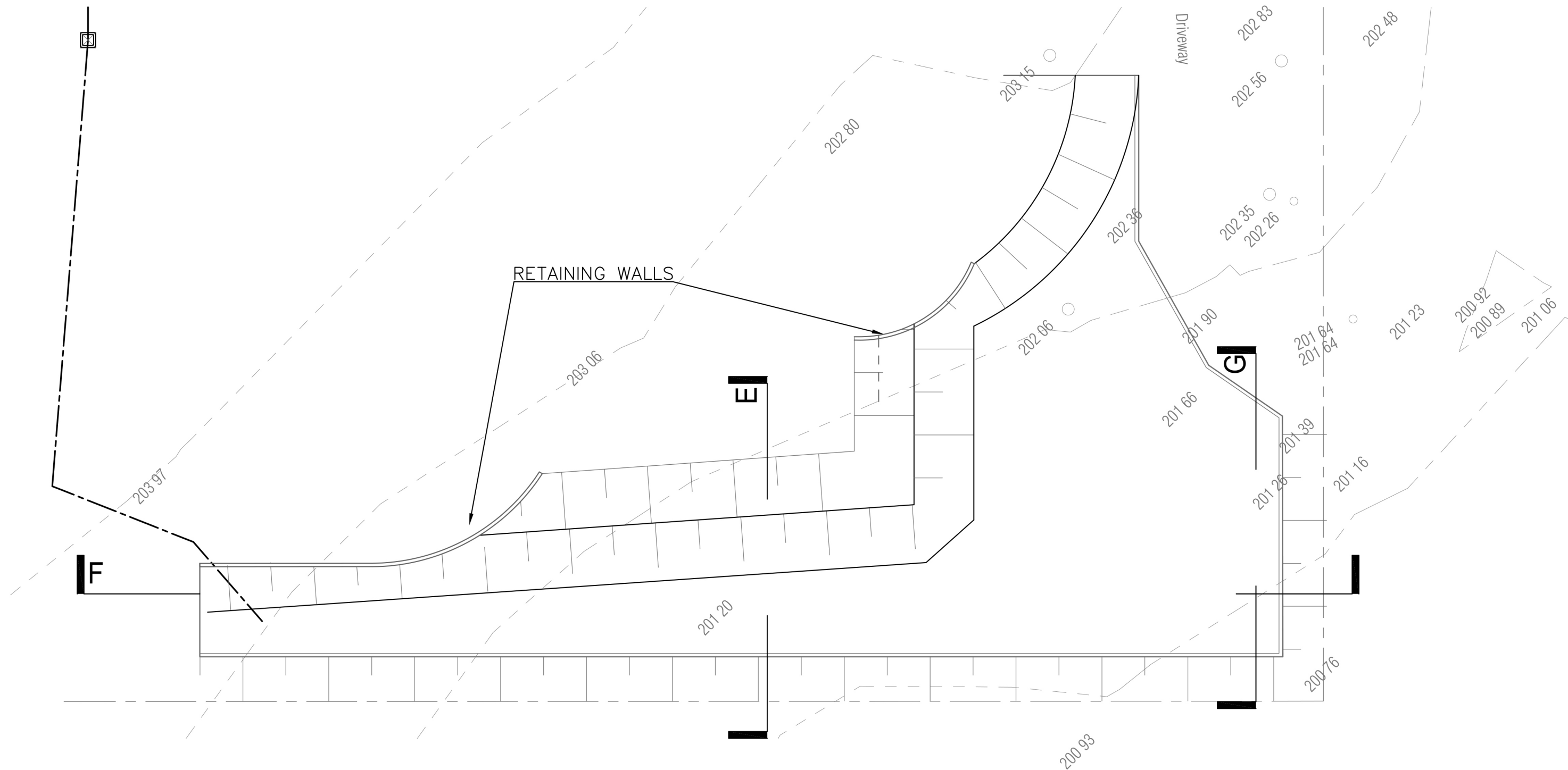
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Scale @ A3: 1 : 1000

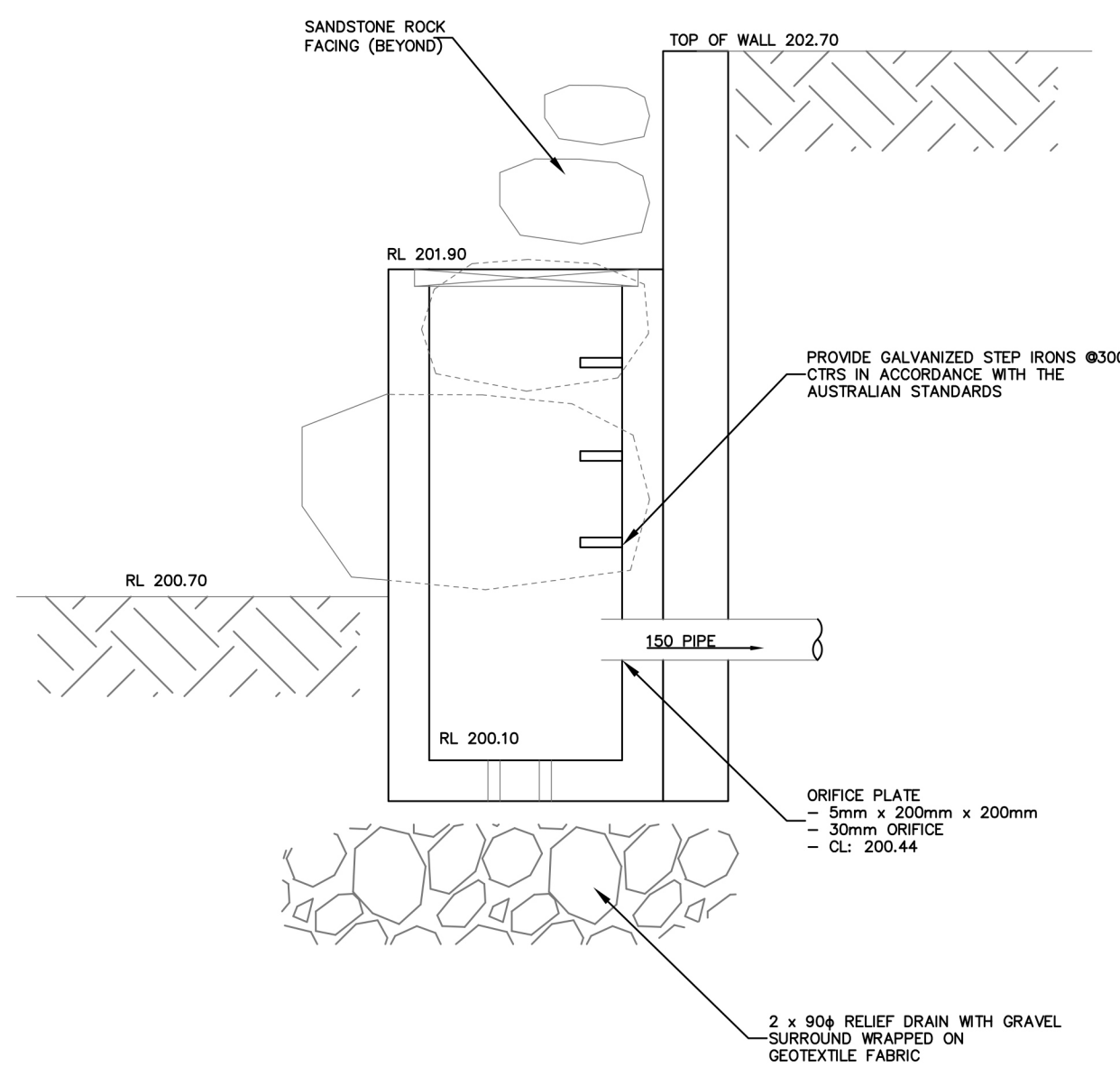
Drawing NO.: A008

Rev: 1

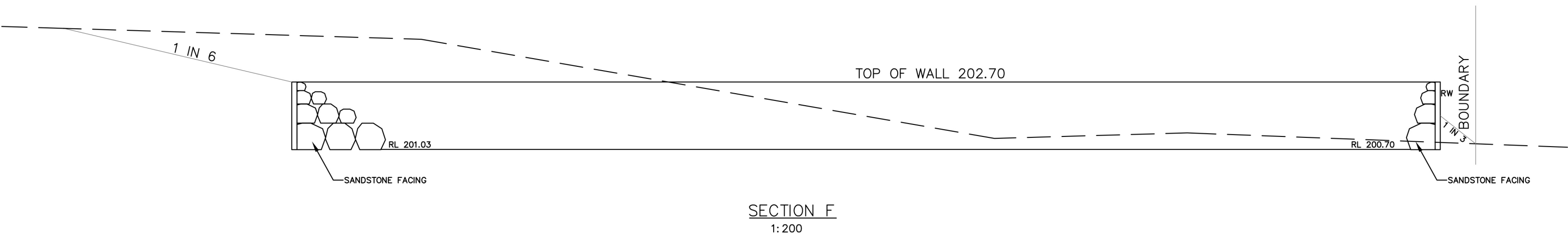




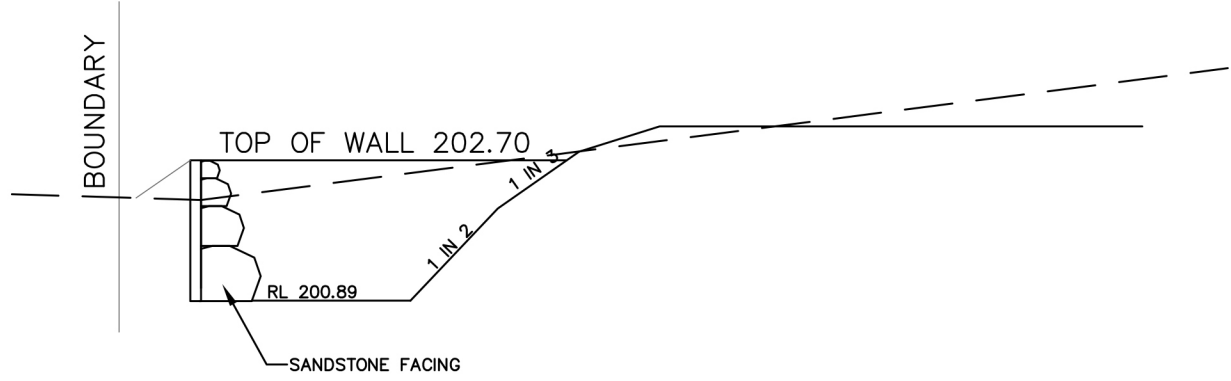
SECTION 1
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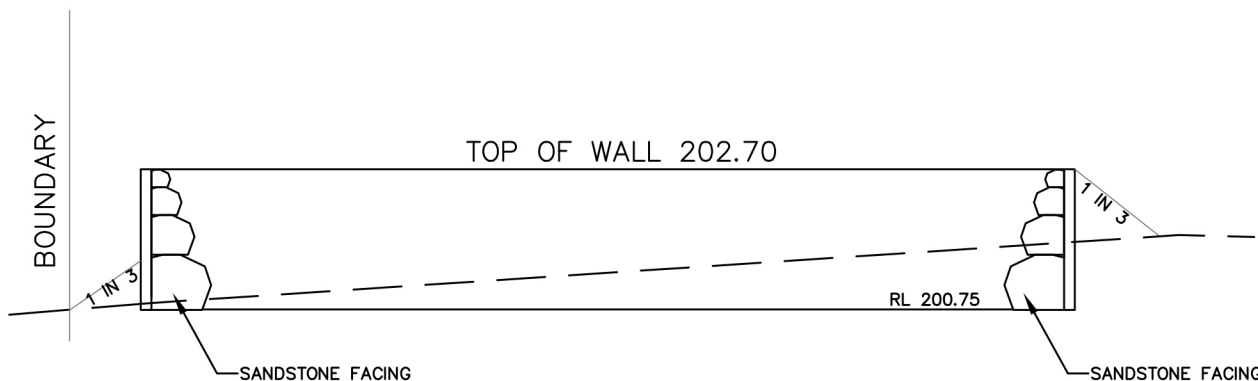
SECTION 2
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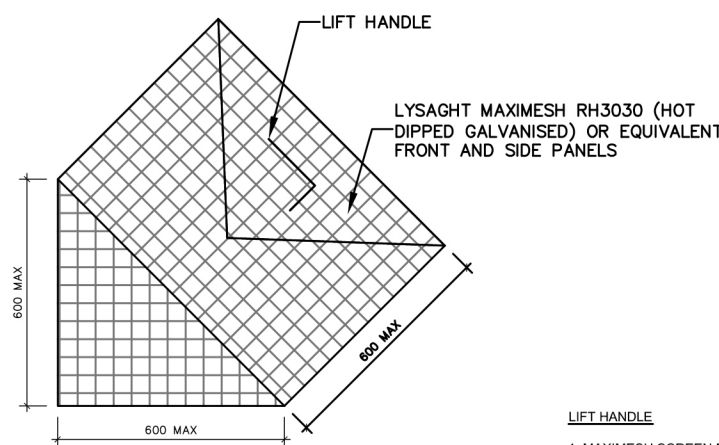
SECTION F
1:200



SECTION E
1:200

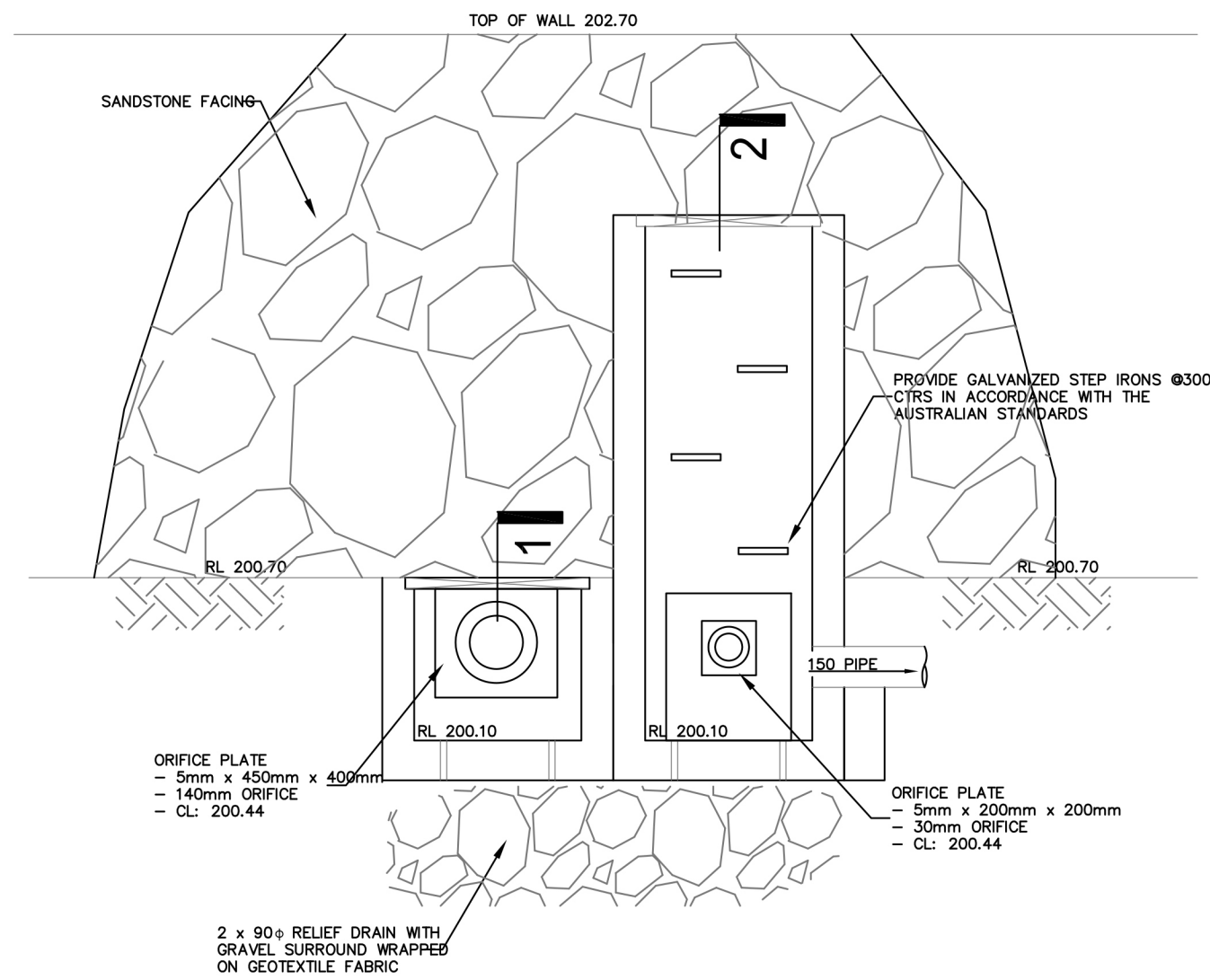


SECTION G
1:200

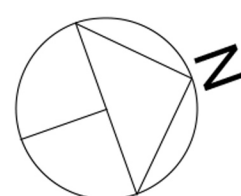


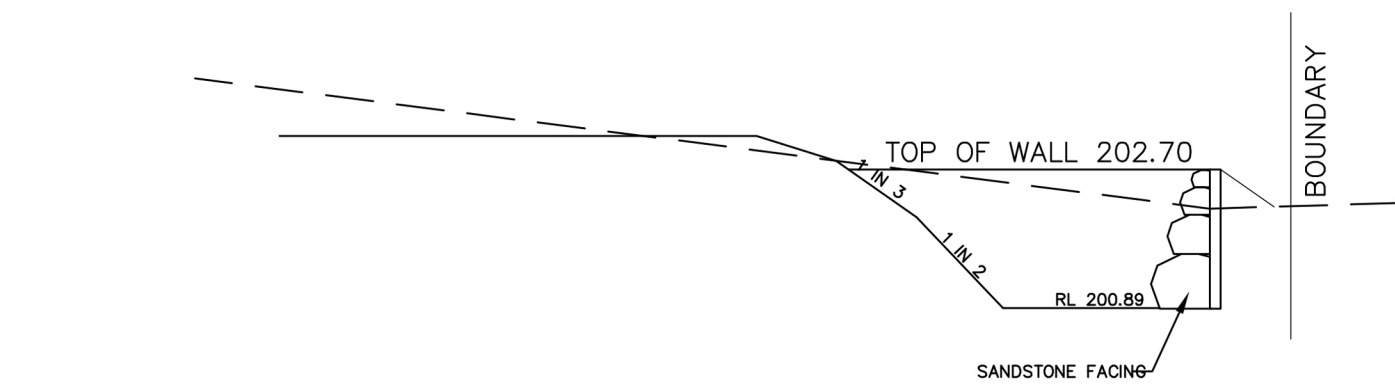
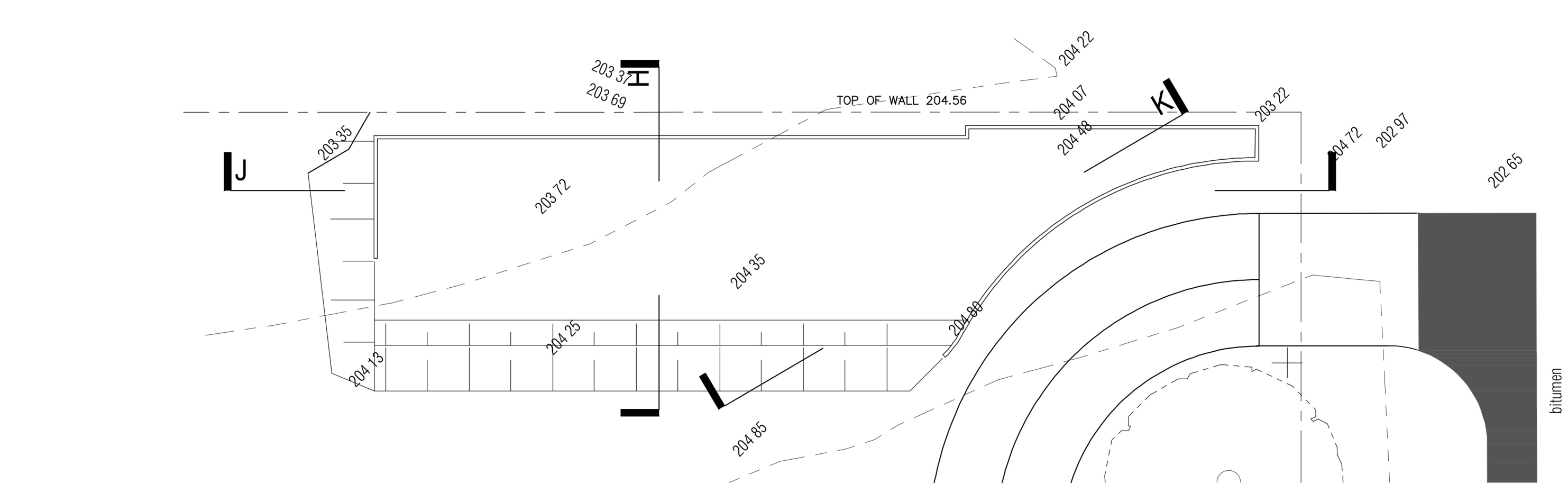
TRASH SCREEN DETAIL
NOT TO SCALE

- LIFT HANDLE
1. MAXMESH SCREEN MUST BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTUGUESE UP ANGLE UPWARDS AND FACING TOWARDS THE OUTLET.
 2. THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXMESH PANEL (OR EQUIVALENT).

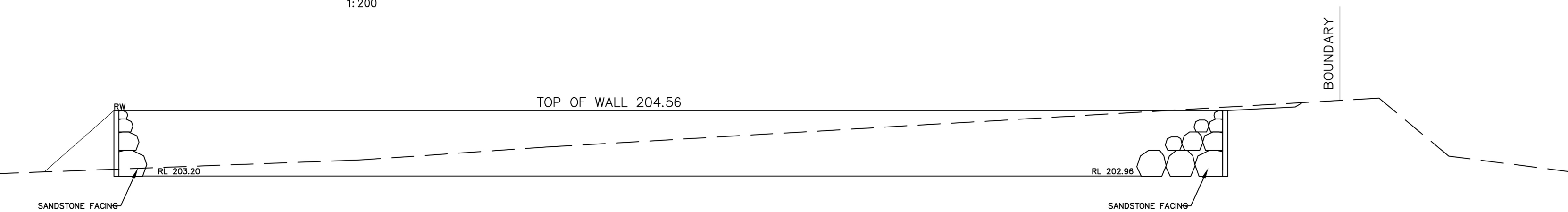


OSD EAST DETAIL - PIT A14 SECTION
1:25

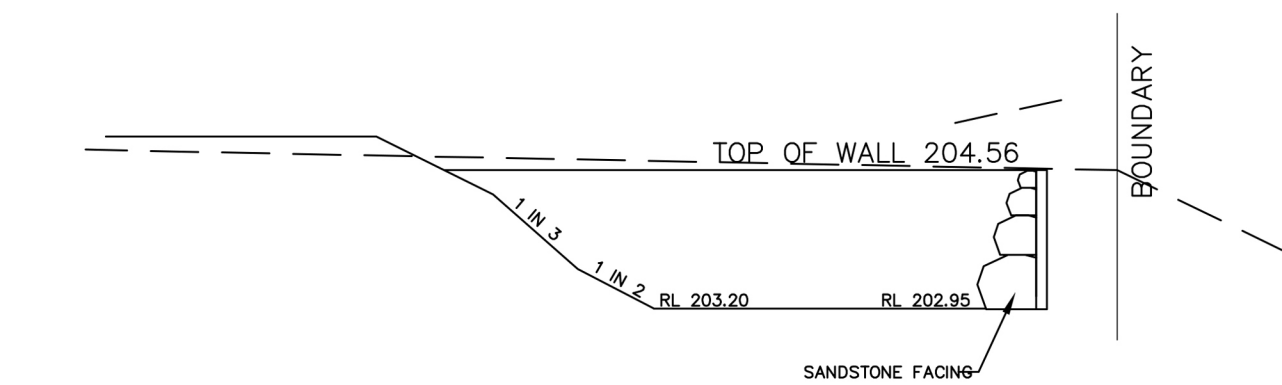




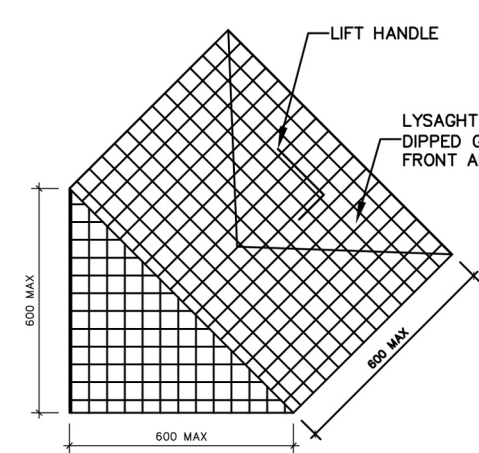
SECTION H
1:200



SECTION J
1:200

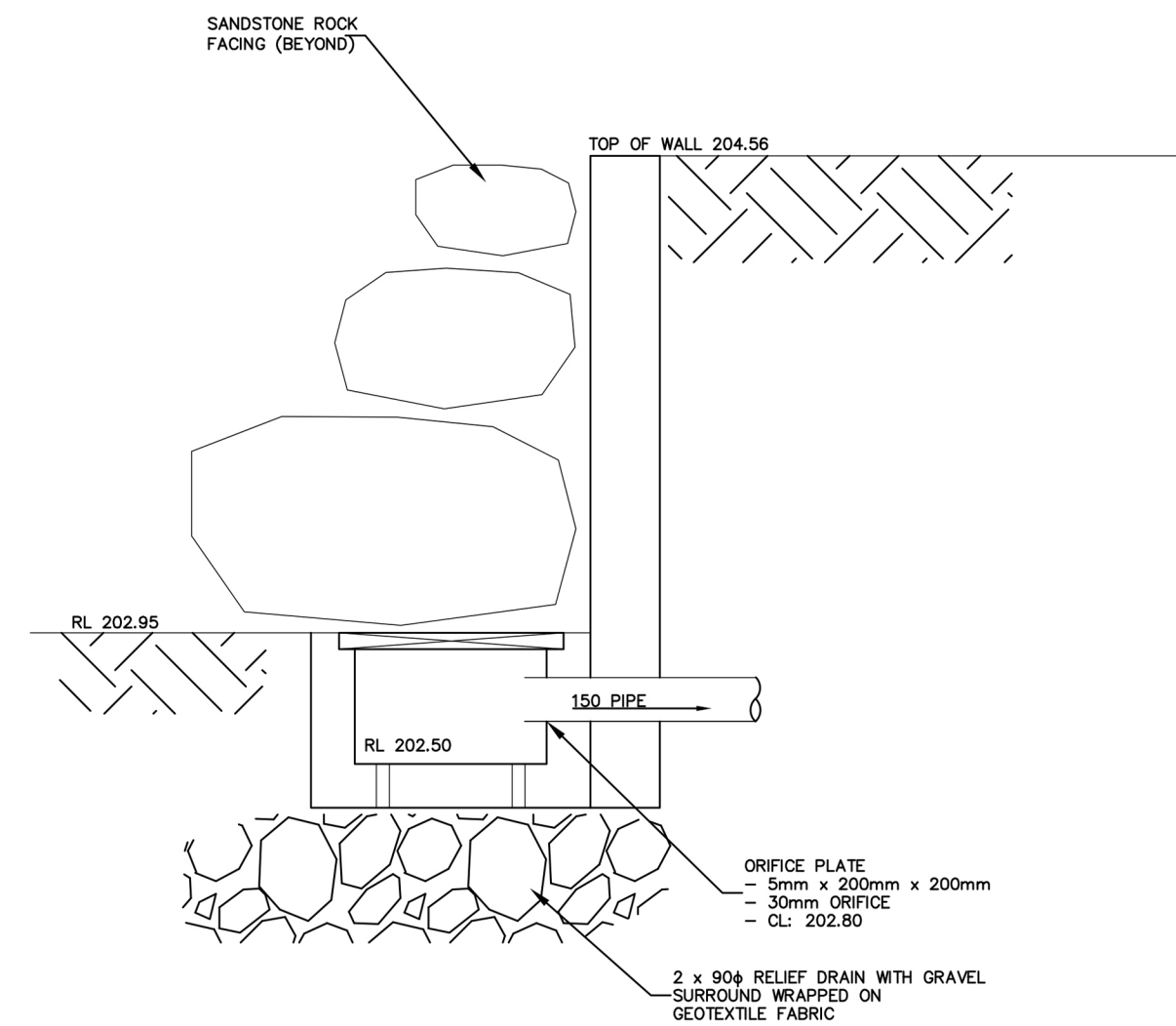


SECTION K
1:200

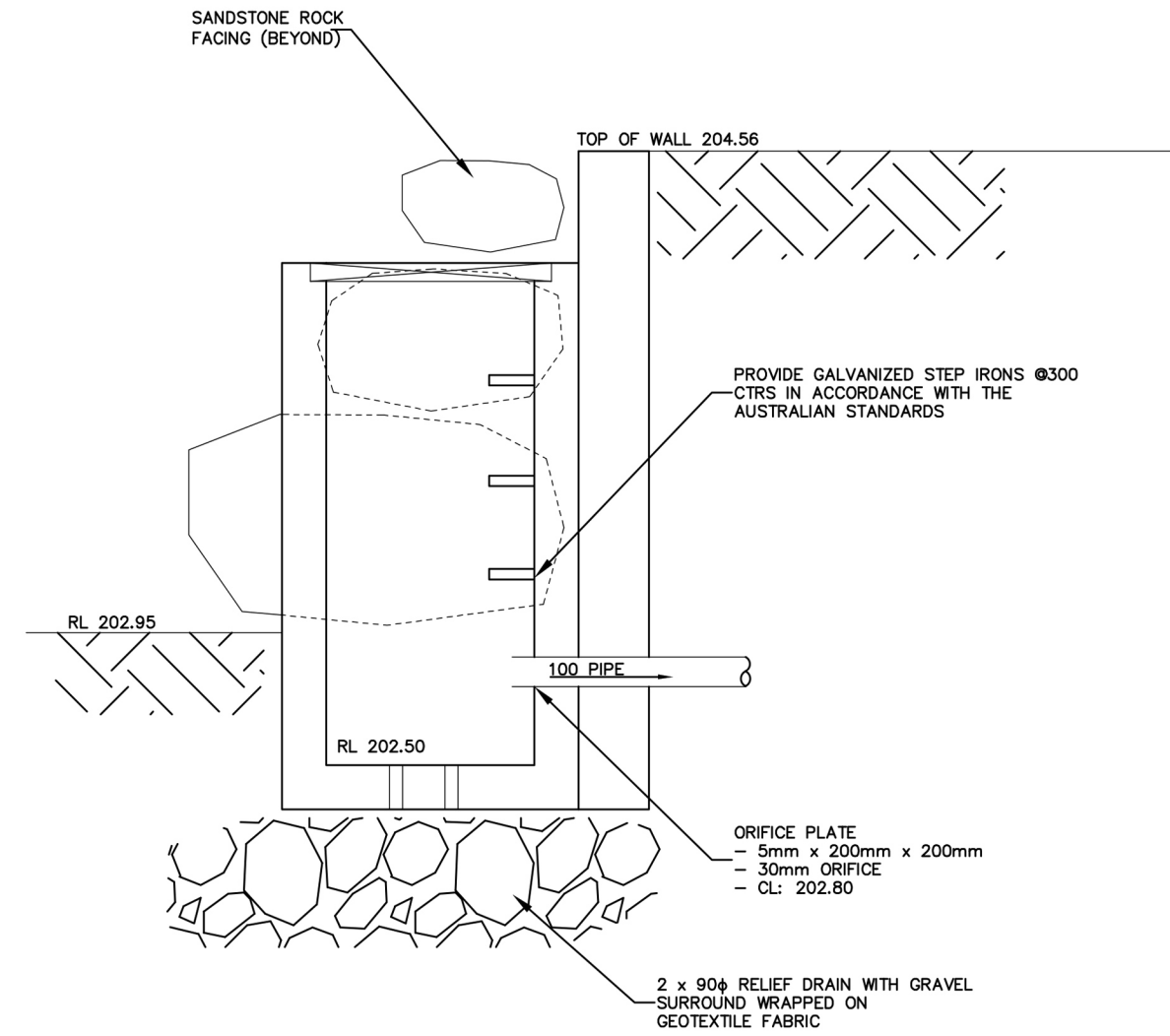


TRASH SCREEN DETAIL
NOT TO SCALE

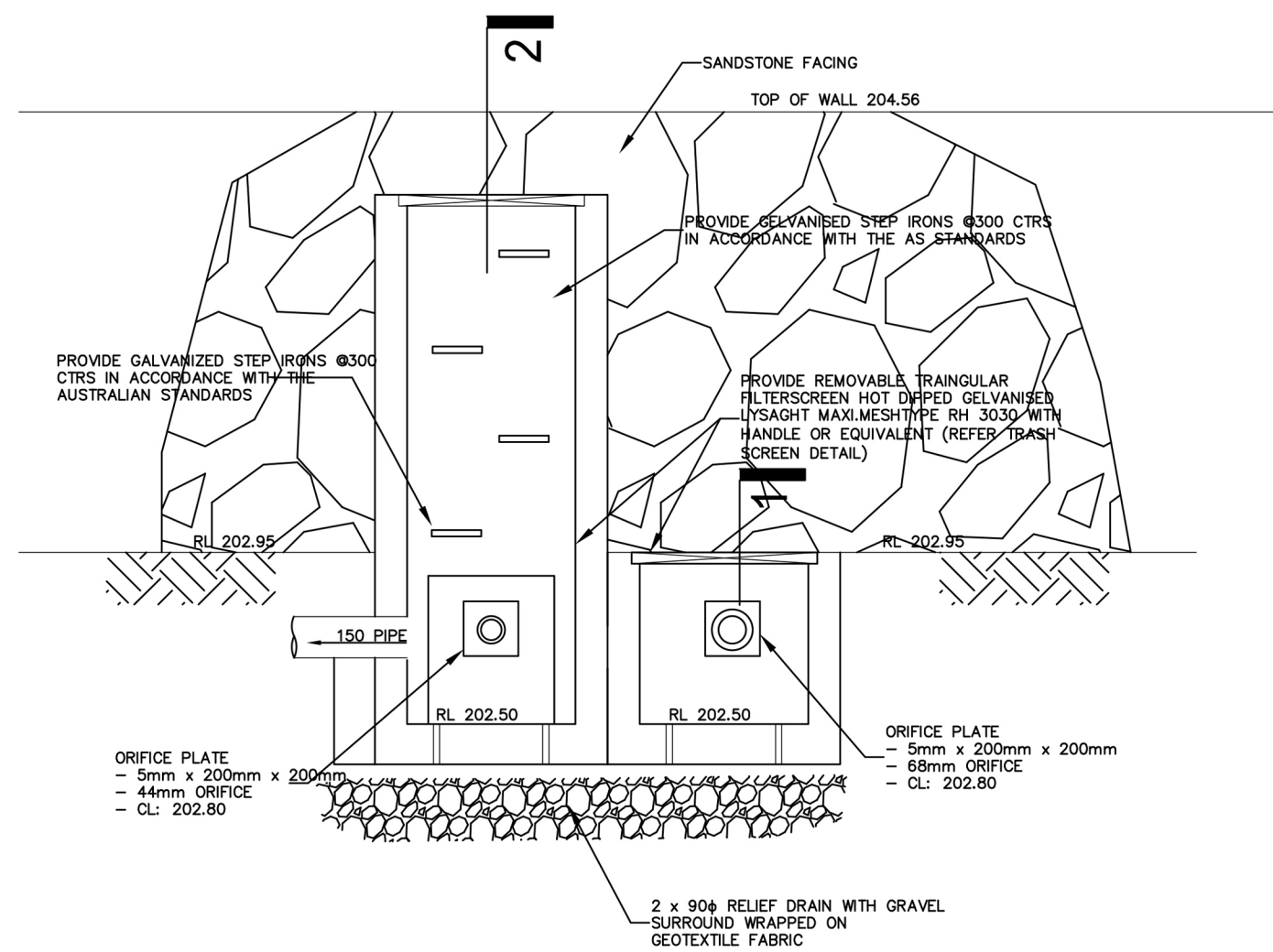
- LIFT HANDLE
1. MAXIMESH SCREEN MUST BE PLACED SUCH THAT THE LONGWAYS OF THE DIAM. DRIPPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTULING LIFT ANLED UPWARDS AND FACING TOWARDS THE OUTLET.
 2. THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXIMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXIMESH PANEL (OR EQUIVALENT)



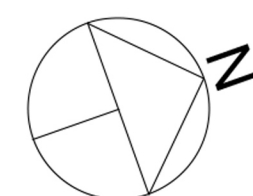
SECTION 1
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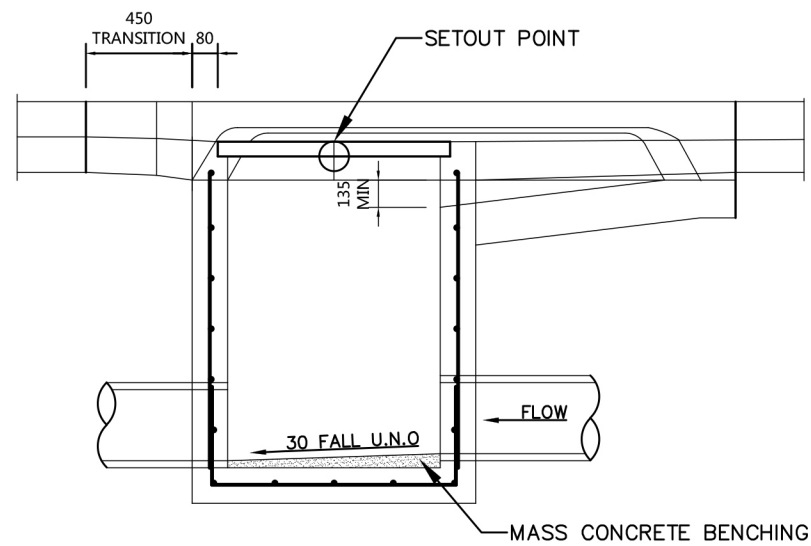


SECTION 2
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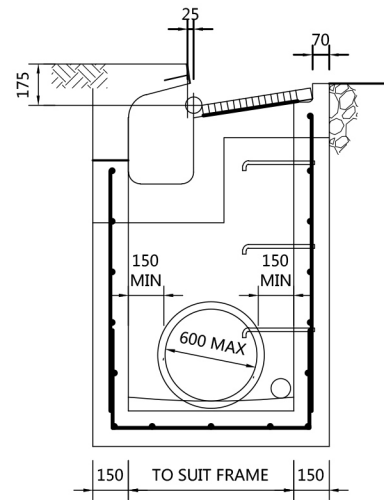


OSD EAST DETAIL- PIT C6 SECTION
1:25

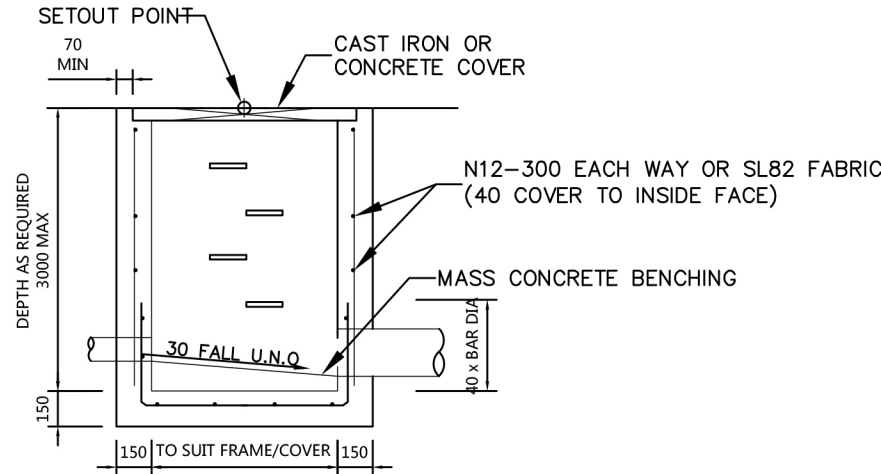




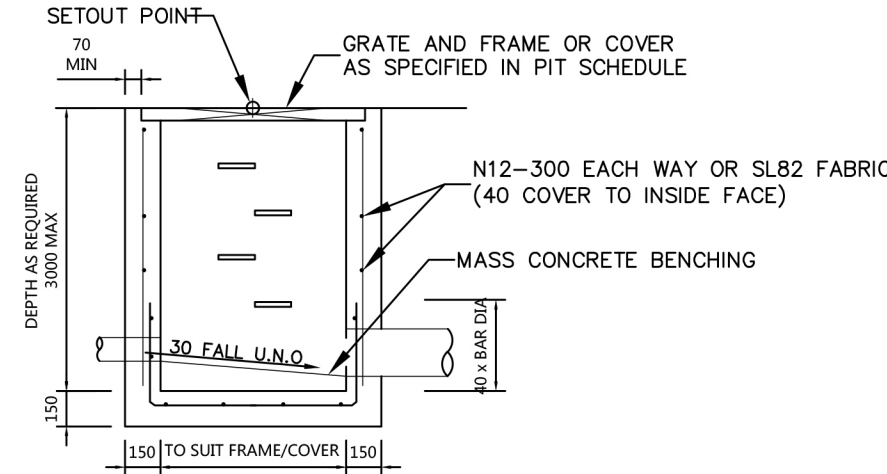
SECTION 1
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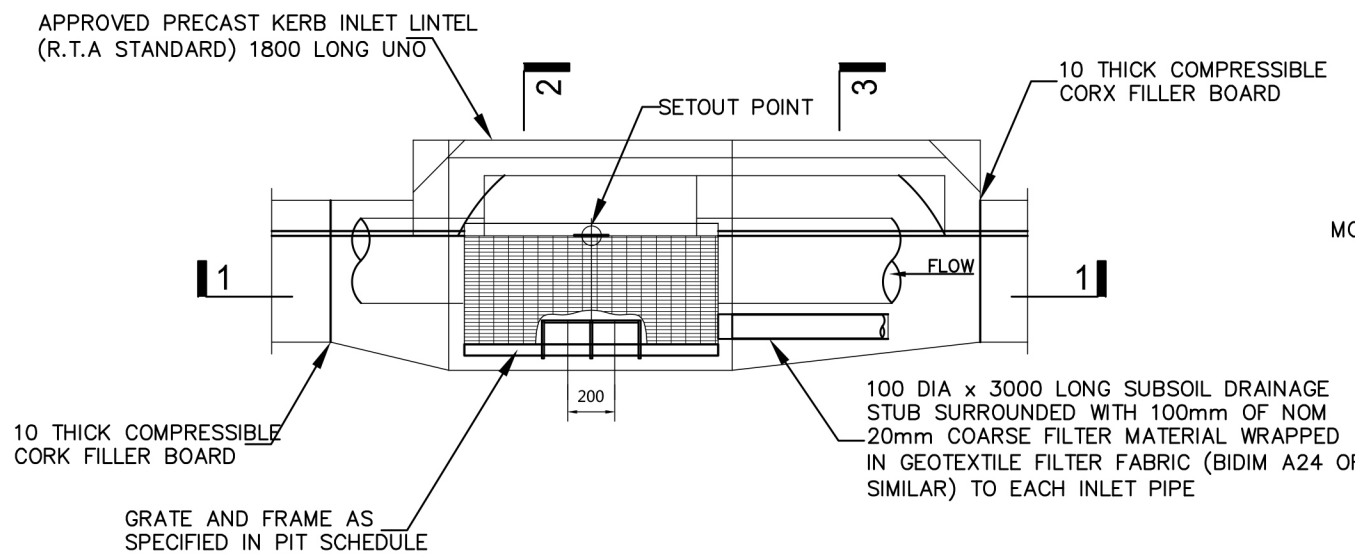
SECTION 2
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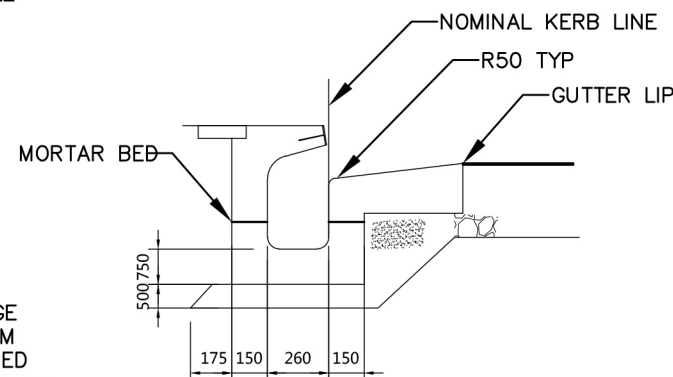
SECTION 1
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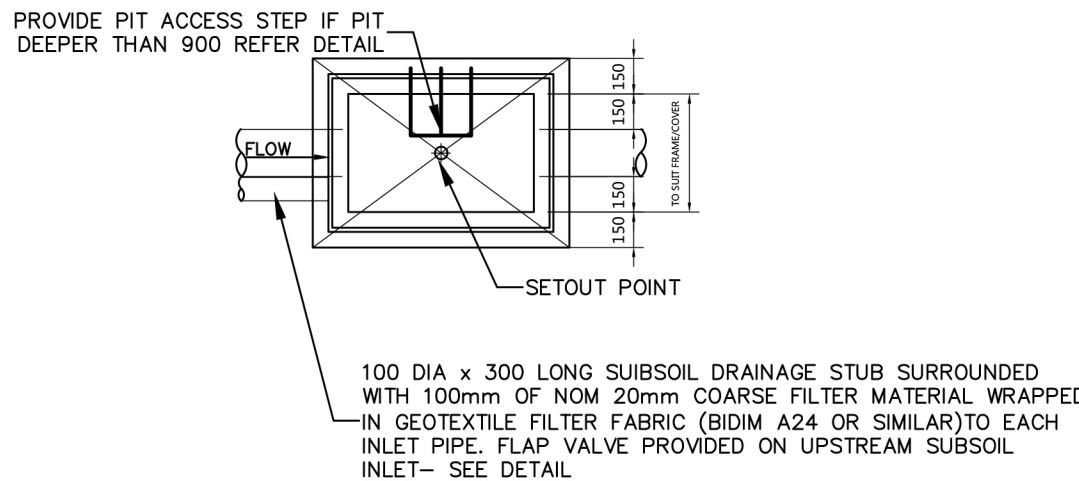
SECTION 2
1:20



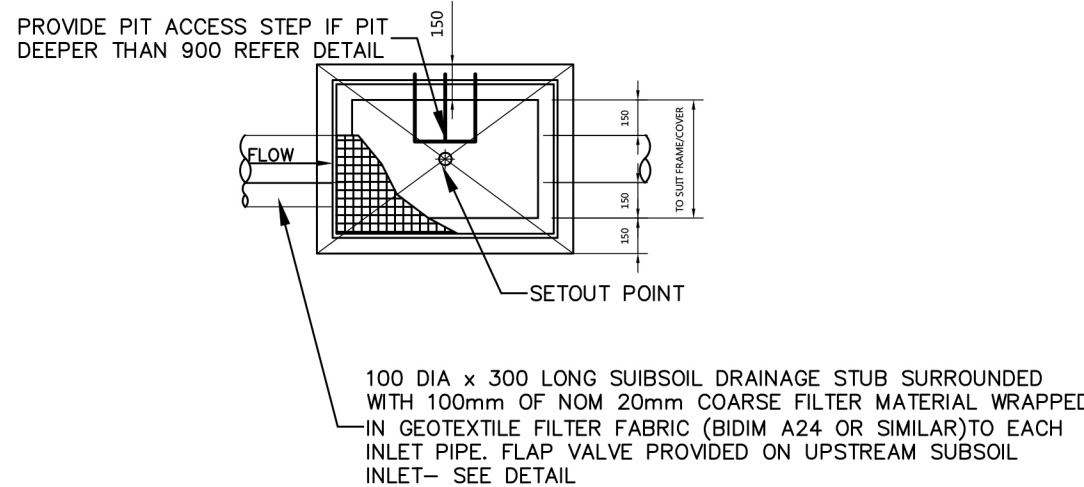
PLAN
1:20



SECTION 3
1:20



PLAN
1:20



PLAN
1:20

JUNCTION PIT DETAIL

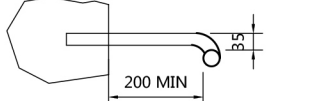
GRATED PIT DETAIL

PIT NOTES:

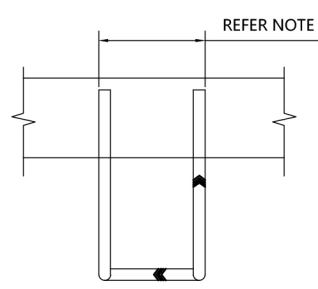
1. CASTS IN SITU CONCRETE PITS MAY BE SUBSTITUTED WITH APPROVED PRE-CAST CONCRETE PITS IF APPROVED IN WRITING.
2. PRECAST CONCRETE PITS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION.



FRONT ELEVATION



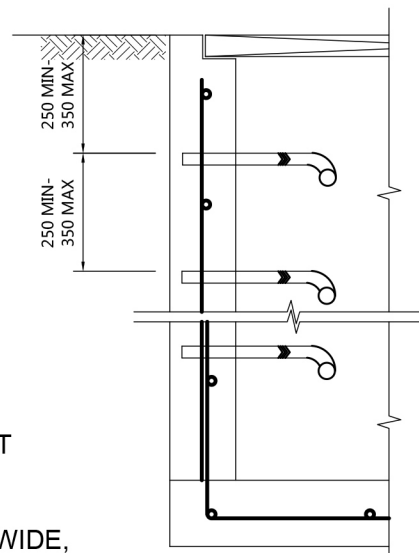
SIDE ELEVATION



PLAN

NOTES:

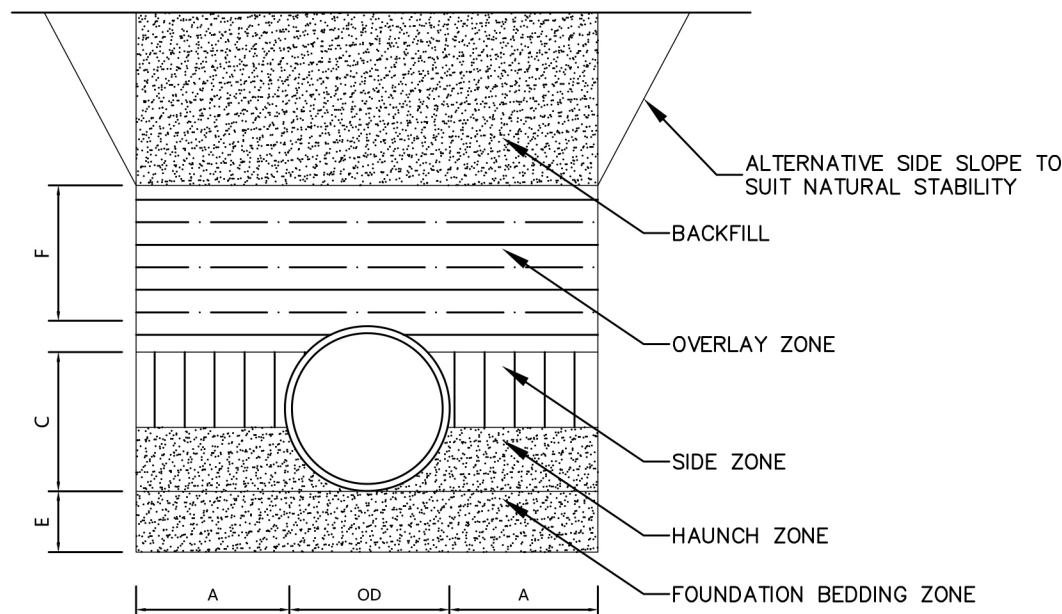
1. WHEN POSITIONED IN STRAIGHT ALIGNMNT, STEP TO BE 400 WIDE.
2. STAGGERED STEPS TO BE 200 WIDE, STEPS TP BE STAGGERED 200 CENTRE TO CENTRE FOR ALTERNATE STEPS.
3. SPACING OF STEPS TO BE UNIFORM TO WITHIN ±8mm IN EACH PIT.



SECTION

PIT ACCESS STEP DETAIL

1:10
(FOR PITS DEPTH ≥ 1200mm)



TRENCH INSTALLATION- SINGLE PIPE

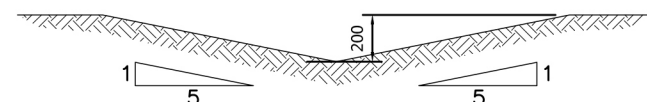
TYPE HS3 SUPPORT FOR CONCRETE AND PVC PIPES
NOT TO SCALE

TRENCH NOTES:

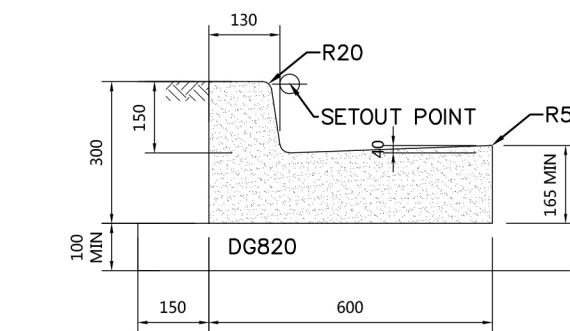
1. WINGWALLS: FILL/ BACKFILL MATERIAL SHALL BE PLACED 300 WIDE BEHIND WINGWALL FOR THE LENGTH OF THE WALLS.
2. OVERLAY MATERIAL: MATERIAL PROPERTIES AND COMPACTION SHALL BE AS FOR THE SIDE ZONE.
3. SIDE SUPPORT COMPACTION: THE TRENCH WALLS SHALL HAVE A DENSITY AND STIFFNESS NOT LESS THAN THOSE OF THE ADJACENT COMPACTED FILL FOR A MINIMUM WIDTH 2500 EACH SIDE OF THE TRENCH AND TO A MINIMUM HEIGHT OF 700 ABOVE THE BOTTOM OF THE PIPE.
4. WORKING LOADS ARE THOSE DUE TO FILL MATERIAL AND STANDARD HIGHWAY VEHICLE AS PER AS 3725. CONSTRUCTION LOADS HAVE NOT BEEN ALLOWED FOR.
5. DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
6. ALL BEDDING HAUNCH, SIDE ZONE AND OVERLAY ZONE SHALL CONSIST OF COURSE GRADED SAND.
7. BACKFILL SHALL CONSIST OF GRANULAR OR SANDY FILL WHERE UNDER THE ZONE OF INFLUENCE OF PAVEMENTS, STRUCTURES, AND WITHIN PLAYING FIELD. OR GENERAL FILL COMPACTED TO 95% SMDD WHERE UNDER LANDSCAPE AREAS.

REFERENCE DOCUMENTS:

1. AUSTRALIAN STANDARDS AS 3725-1989 LOADS ON BURIED CONCRETE PIPES
2. RTA QA MODEL SPECIFICATION PART R11 STORMWATER DRAINAGE.



VEGETATED TYPICAL SWALE DETAIL



KERB AND GUTTER (KG)
1:10

Date
Jan 2019

Rev
1

Amendment

Project:

PROPOSED RETIREMENT VILLAGE

392 Galston Rd & Mid Dural Rd,
Galston NSW 2159



Vigor Master Pty Ltd

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Chatswood NSW 2067

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Email. info@vigmaster.com.au

Drawn by: EW

Checked by: AD

Title: DRAINAGE DETAIL

Job NO.: DA392RV

Date: 16.01.2019

Scale @ A1: 1 : 500

Scale @ A3: 1 : 1000

Drawing NO.: A011

Rev: 1

