GLASTON RETIREMENT VILLAGE

CIVIL DRAWINGS

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Date	Rev	Amendment
Jan 2019	1	

Project:
PROPOSED RETIREMENT VILLAGE

392 Galston Rd & Mid Dural Rd,
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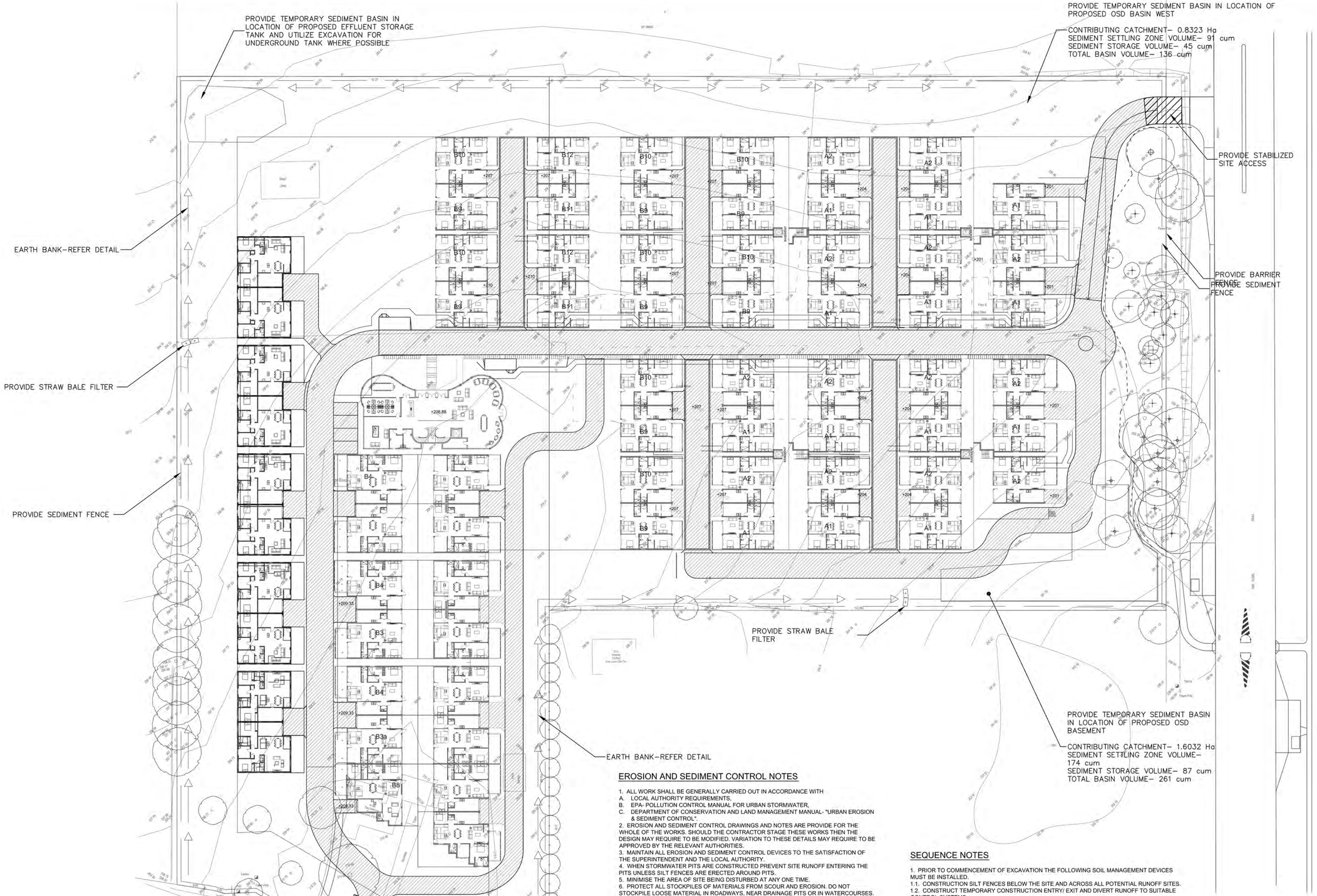
Drawn by: EW
Checked by: AD
Title: COVER SHEET

Job NO.: DA392RV
Scale @ A1:
Scale @ A3:
Date: 16.01.2019
Drawing NO.: A001
Rev: 1



EROSION AND SEDIMENT CONTROL NOTES

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   A. LOCAL AUTHORITY REQUIREMENTS,
   B. EPA- POLLUTION CONTROL MANUAL FOR URBAN STORMWATER,
   C. DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT MANUAL- "URBAN EROSION & SEDIMENT CONTROL".
2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDE FOR THE WHOLE OF THE WORKS. SHOULD THE CONTRACTOR STAGE THESE WORKS THEN THE DESIGN MAY REQUIRE TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE TO BE APPROVED BY THE RELEVANT AUTHORITIES.
3. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SILT FENCES ARE ERECTED AROUND PITS.
5. MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
6. PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
7. ALL SOIL AND WATER CONTROL MEASURES ARE TO BE PUT BACK IN PLACE AT THE END OF EACH WORKING DAY, AND MODIFIED TO BEST SUIT SITE CONDITIONS.
8. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOSE NOT ENTER THE DISTURBED SITE.
9. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ENTRY/ EXIT.
10. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING.
11. MATERIAL ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.
12. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.

SEQUENCE NOTES

1. PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING SOIL MANAGEMENT DEVICES MUST BE INSTALLED.
1.1. CONSTRUCTION SILT FENCES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES.
1.2. CONSTRUCT TEMPORARY CONSTRUCTION ENTRY/ EXIT AND DIVERT RUNOFF TO SUITABLE CONTROL SYSTEMS.
1.3. CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS INTO EXISTING STORMWATER SYSTEM.
1.4. CONSTRUCT SEDIMENTATION TRAPS/ BASIN INCLUDING OUTLET CONTROL AND OVERFLOW.
1.5. CONSTRUCT TURF LINED SWALES.
1.6. PROVIDE SANDBAG SEDIMENT TRAPS UPSTREAM OF EXITING PITS.
2. CONSTRUCT GEOTEXTILE FILTER PIT SURROUND AROUND ALL PROPOSED PITS AS THEY ARE CONSTRUCTED.
3. ON COMPLETION OF PAVEMENT PROVIDE SAND BAG KERB INLET SEDIMENT TRAPS AROUND PITS.
4. PROVIDE AND MAINTAIN A STRIP OF TURF ON BOTH SIDES OF ALL ROADS AFTER THE CONSTRUCTION OF KERBS.

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Drawn by: EW
Checked by: AD

Title: EROSION & SEDIMENT CONTROL PLAN

Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Job NO.: DA392RV
Date: 16.01.2019
Drawing NO.: A002
Rev: 1

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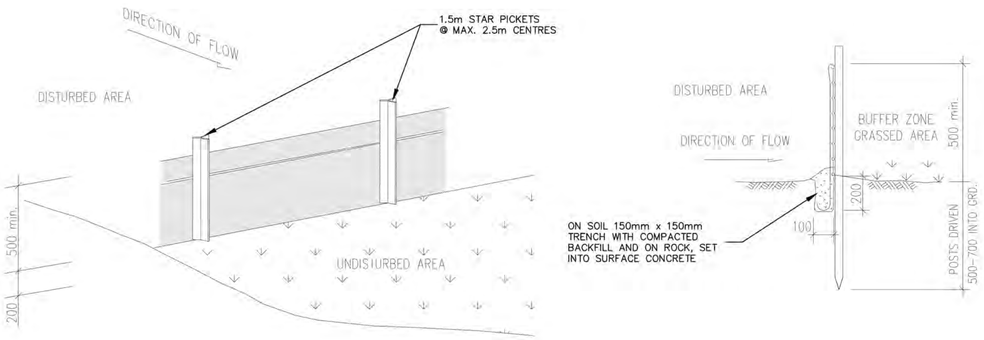
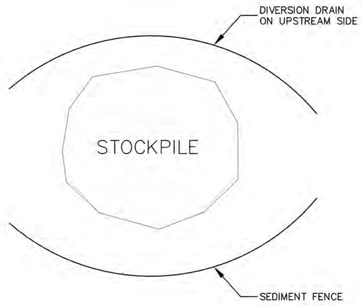


SEDIMENT FENCE
N.T.S

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 CATCHENT 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.

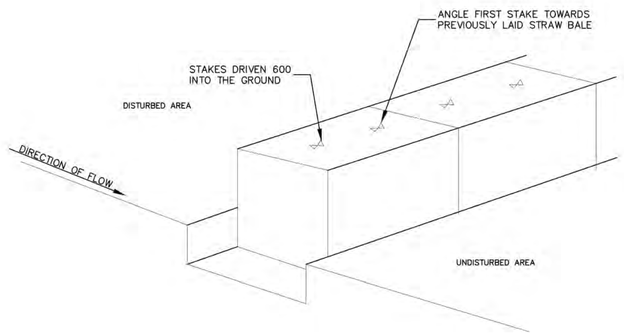


STOCKPILE PLAN
NOT TO SCALE

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
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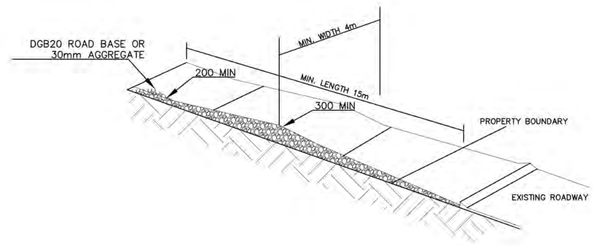

STABILES SITE ACCESS
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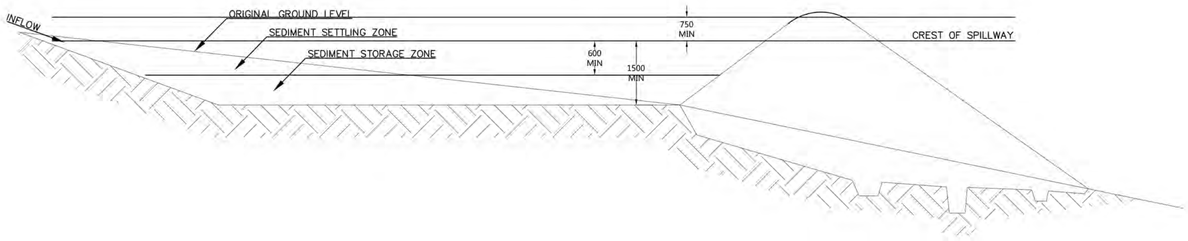
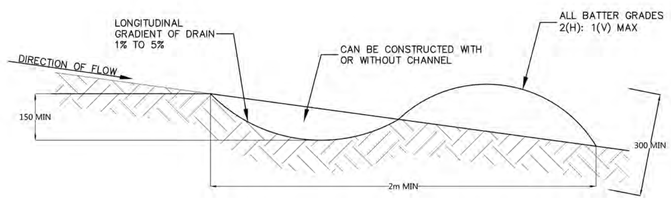


SEDIMENT BASIN
NOT TO SCALE

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. MIANTAIN 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.

Date	Rev	Amendment
Jan 2019	1	

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Drawn by: EW
Checked by: AD

Title: EROSION & SEDIMENT CONTROL DETAILS

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000
Date: 16.01.2019
Drawing NO.: A003
Rev: 1

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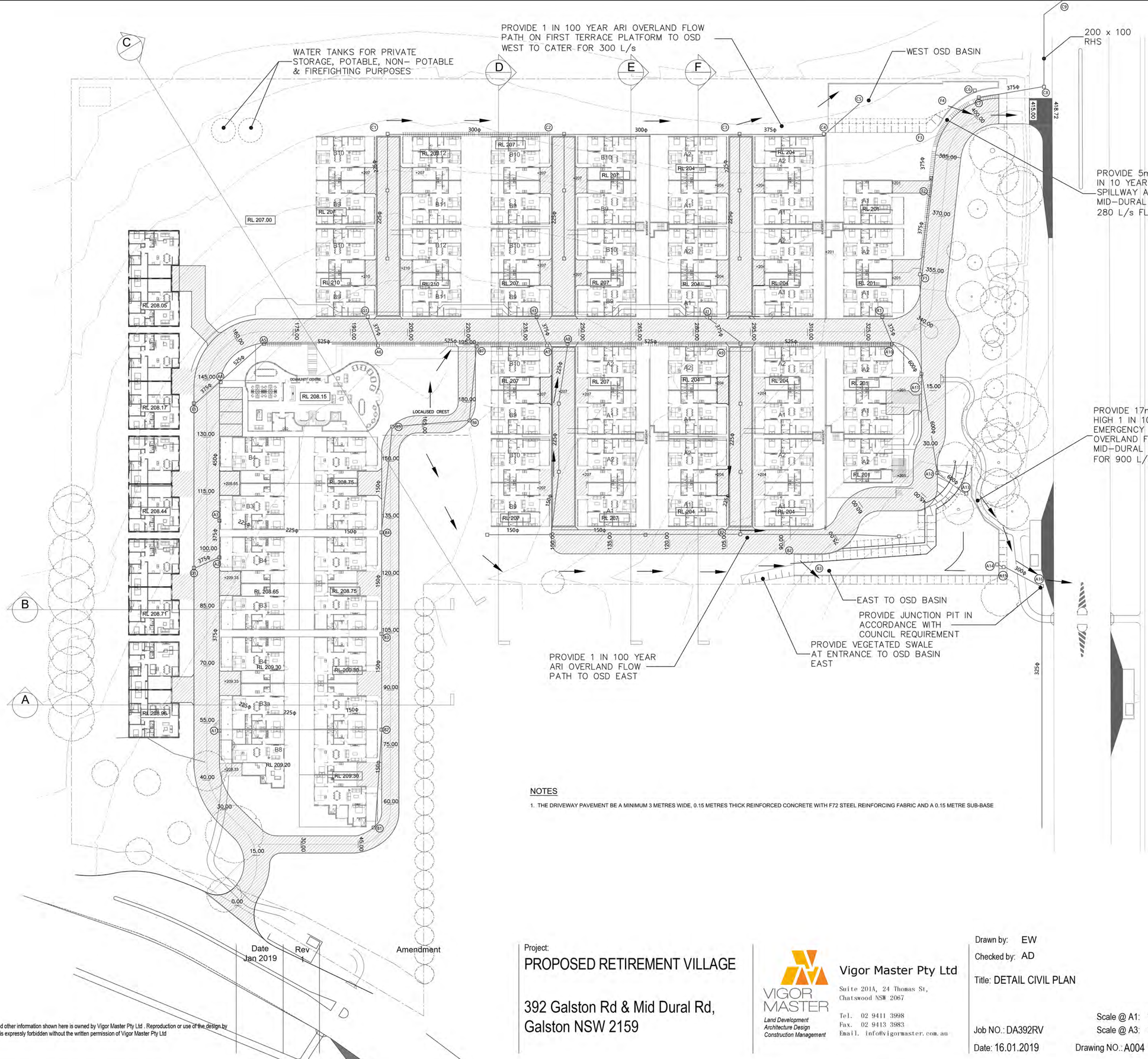

NOTES

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

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Jan 2019	1	

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Drawn by: EW
Checked by: AD

Title: DETAIL CIVIL PLAN

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Date: 16.01.2019
Drawing NO.: A004
Rev: 1

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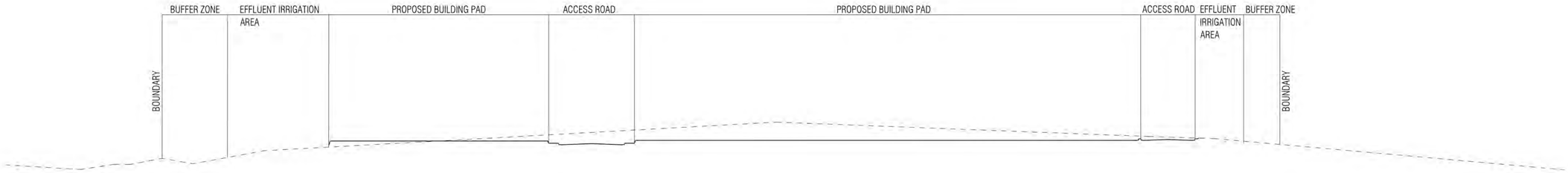

SECTION A

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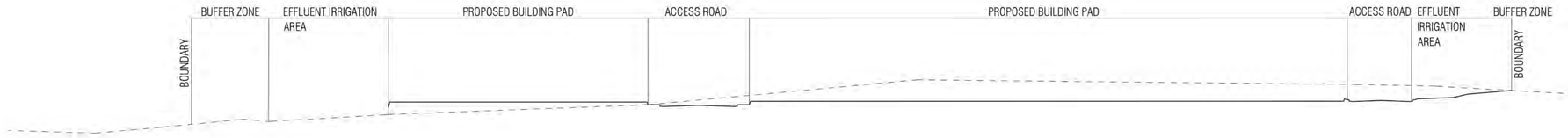

SECTION B

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NOTES

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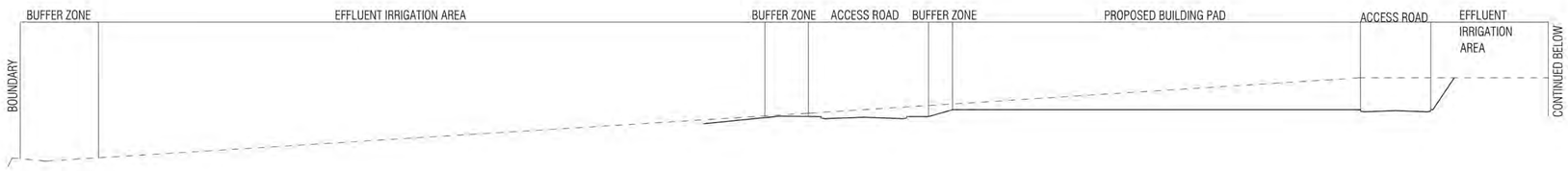
Drawn by: EW
Checked by: AD

Title: SITE DECTIONS -1

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Date: 16.01.2019
Drawing NO.: A005
Rev: 1

N



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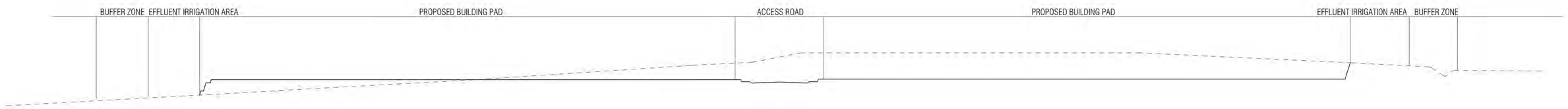

SECTION D
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NOTES

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

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Drawn by: EW
Checked by: AD

Title: SITE DECTIONS -2

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Date: 16.01.2019
Drawing NO.: A006
Rev: 1

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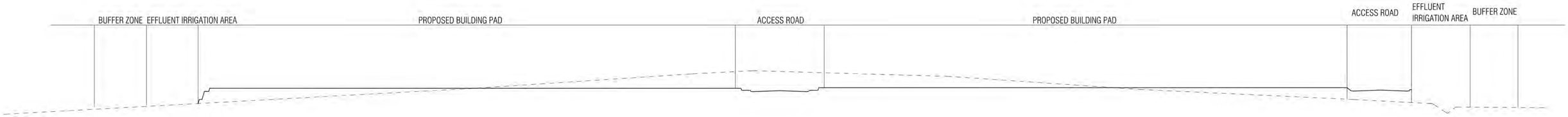

SECTION E

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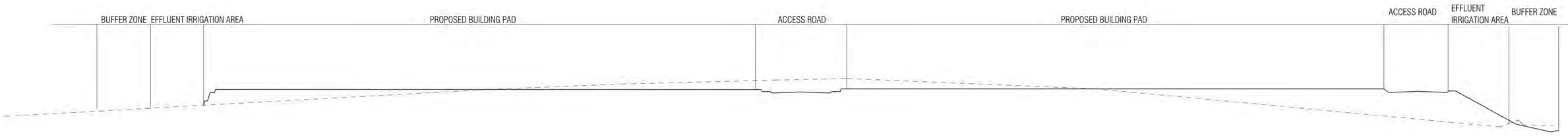

SECTION F

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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

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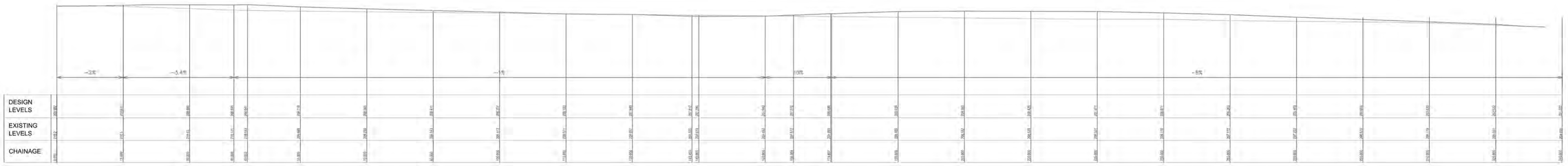
Drawn by: EW
Checked by: AD

Title: SITE DECTIONS -3

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Date: 16.01.2019
Drawing NO.: A007
Rev: 1



LONGITUDINAL SECTION CL 1
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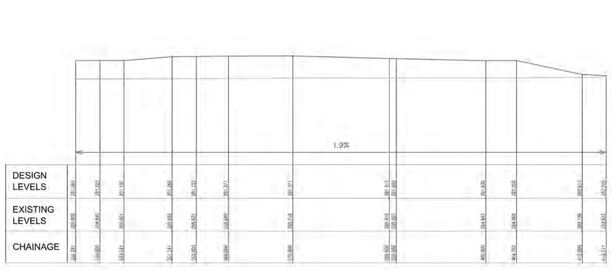

LONGITUDINAL SECTION CL 1–CONTINUE
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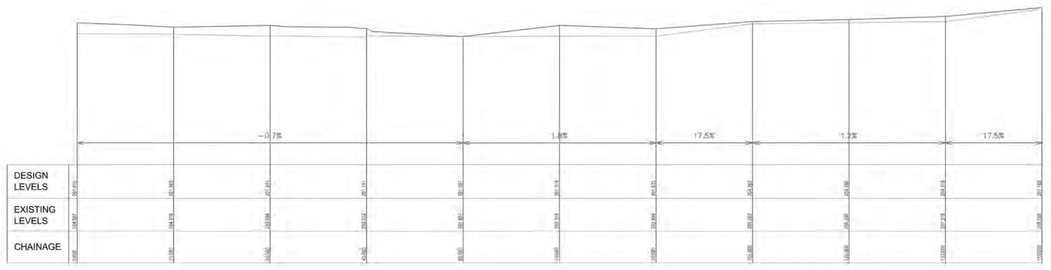

LONGITUDINAL SECTION CL 2
1:200

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

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Drawn by: EW
Checked by: AD

Title: ROAD LONG SECTION & TYPICAL ROAD CROSS SECTION

Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Job NO.: DA392RV
Date: 16.01.2019
Drawing NO.: A008
Rev: 1

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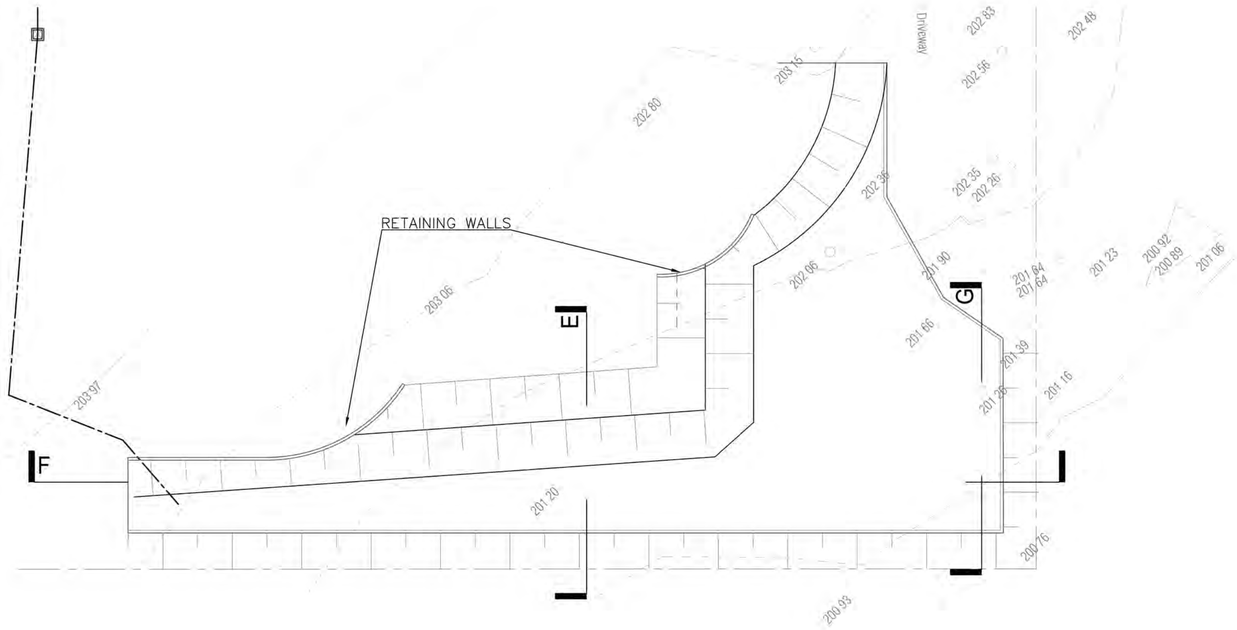

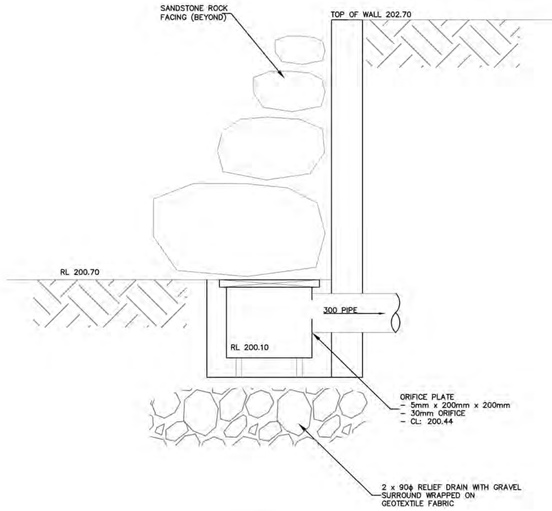

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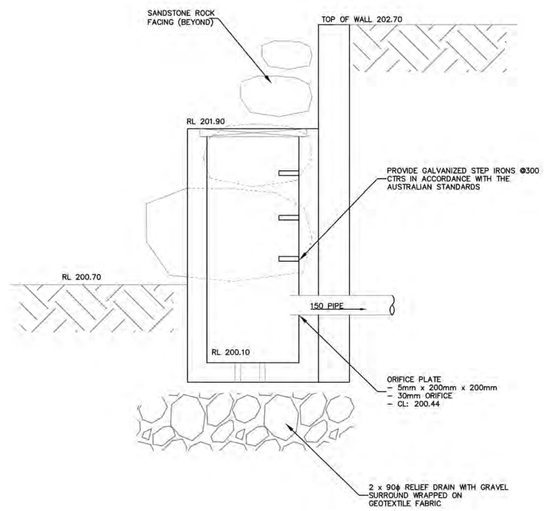

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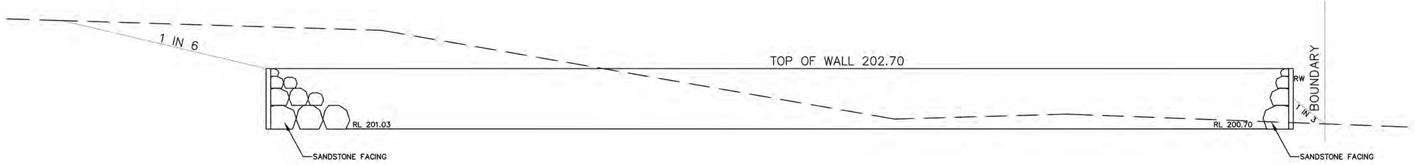

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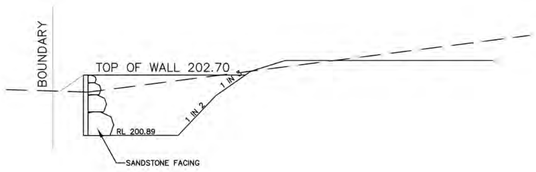

SECTION E
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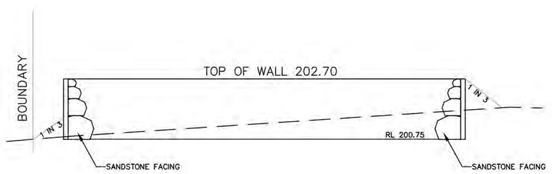

SECTION G
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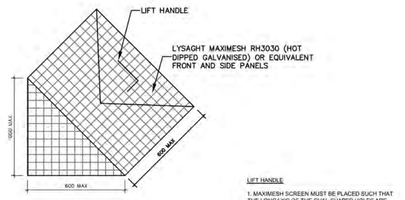
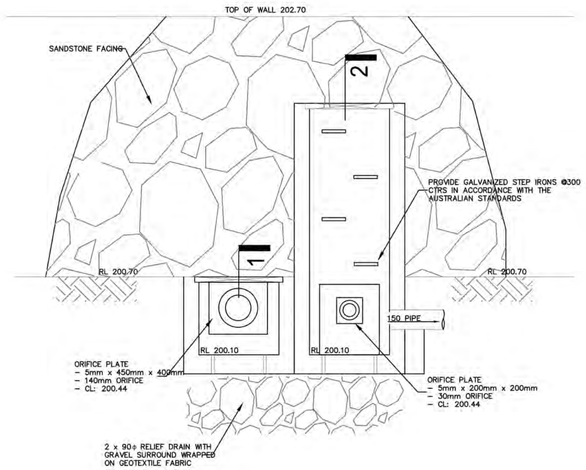


TRASH SCREEN DETAIL
NOT TO SCALE

LIFT HANDLE

1. MAXIMESH SCREEN MUST BE PLACED SUCH THAT THE LONGAXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTRUDING LIP ANGLED 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)



OSD EAST DETAIL– PIT A14 SECTION
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Date	Rev	Amendment
Jan 2019	1	

Project:
PROPOSED RETIREMENT VILLAGE

392 Galston Rd & Mid Dural Rd,
Galston NSW 2159

VIGOR MASTER
Land Development
Architecture Design
Construction Management

Vigor Master Pty Ltd
Suite 201A, 24 Thomas St,
Chatswood NSW 2067
Tel. 02 9411 3998
Fax. 02 9413 3983
Email. info@vigormaster.com.au

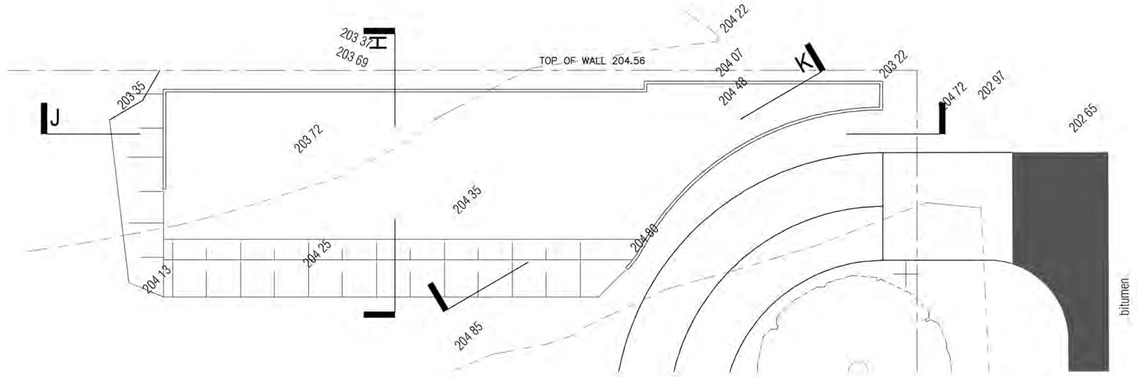
Drawn by: EW
Checked by: AD

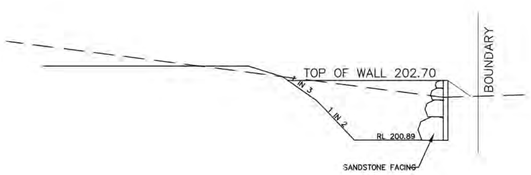
Title: OSD DETAIL - EAST

Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Job NO.: DA392RV
Date: 16.01.2019
Drawing NO.: A009
Rev: 1

N





SECTION H
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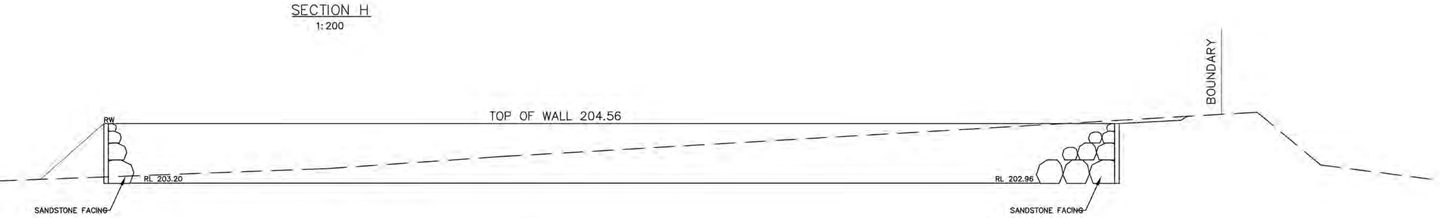

SECTION J
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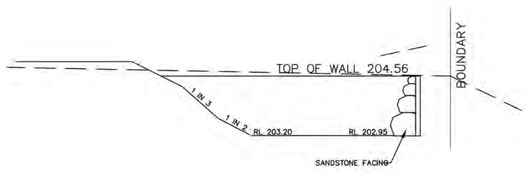

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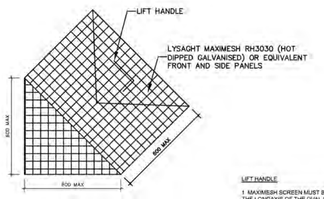
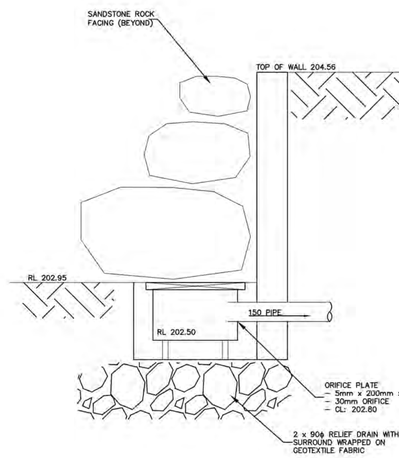


LIFT HANDLE

1 MAXIMESH SCREEN MUST BE PLACED SUCH THAT THE LONGAXIS OF THE OVAL SHAPED HOLES ARE ORIENTATED HORIZONTALLY WITH THE PORTRUDING LIP ANGLED 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)

TRASH SCREEN DETAIL
NOT TO SCALE



SECTION 1
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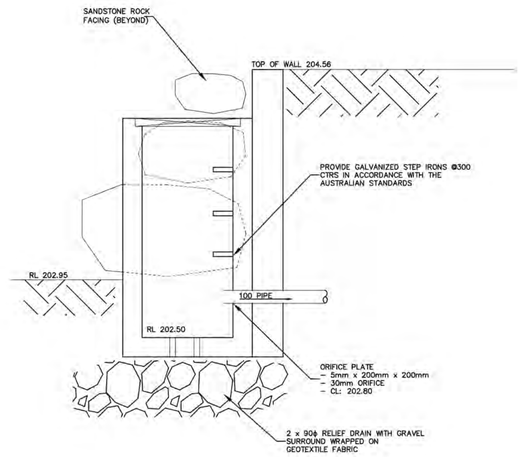

SECTION 2
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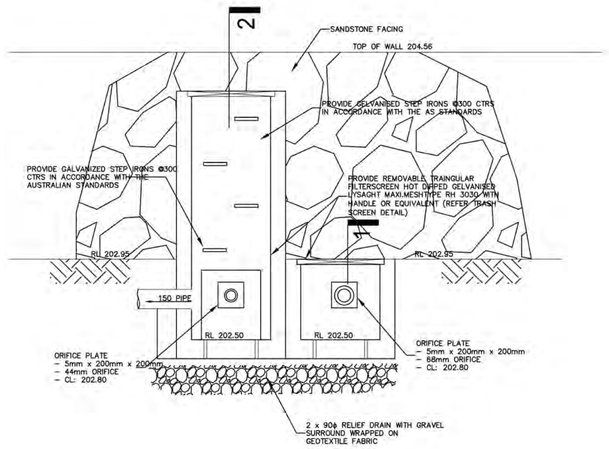

OSD EAST DETAIL– PIT C6 SECTION
1:25

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Date	Rev	Amendment
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Tel. 02 9411 3998
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Email. info@vigormaster.com.au

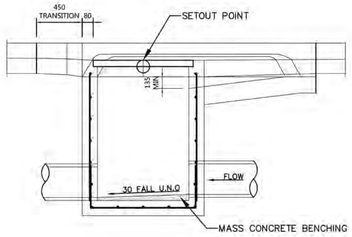
Drawn by: EW
Checked by: AD

Title: OSD DETAIL - WEST

Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000

Job NO.: DA392RV
Date: 16.01.2019
Drawing NO.: A010
Rev: 1

N



SECTION 1
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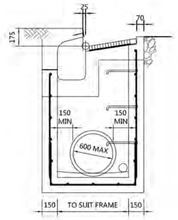

SECTION 2
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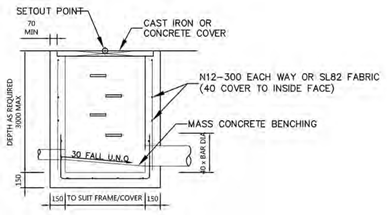

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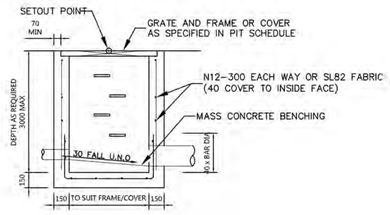

SECTION 2
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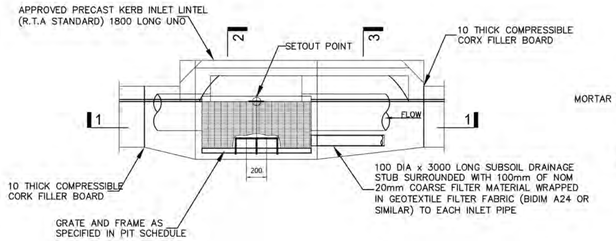
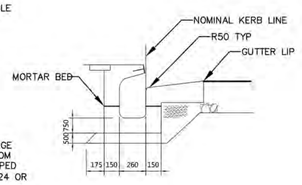


PLAN
1:20



SECTION 3
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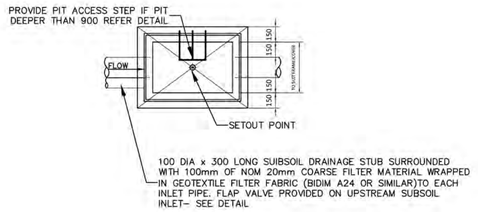
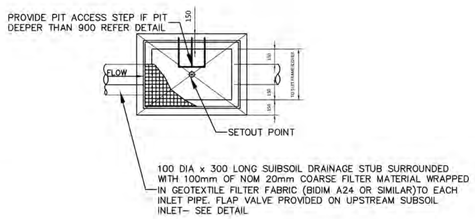


PLAN
1:20

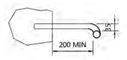
JUNCTION PIT DETAIL



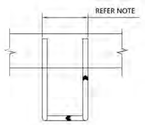
PLAN
1:20

GRATED PIT DETAIL

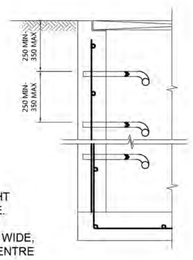
FRONT ELEVATION



SIDE ELEVATION



PLAN



SECTION

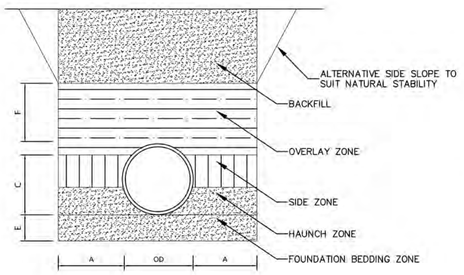
NOTES:

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.

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 MILLMETRES 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:

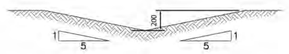
1. AUSTRALIAN STANDARDS AS 3725-1989 LOADS ON BURIED CONCRETE PIPES

2. RTA QA MODEL SPECIFICATION PART R11 STORMWATER DRAINAGE.

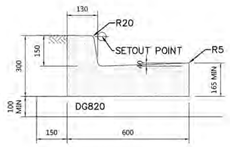
PIT NOTES:

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.



VEGETATED TYPICAL SWALE DETAIL
1:20



KERB AND GUTTER (KG)
1:10

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Email. info@vigormaster.com.au

Drawn by: EW
Checked by: AD

Title: DRAINAGE DETAIL

Job NO.: DA392RV
Scale @ A1: 1 : 500
Scale @ A3: 1 : 1000
Date: 16.01.2019
Drawing NO.: A011
Rev: 1

N