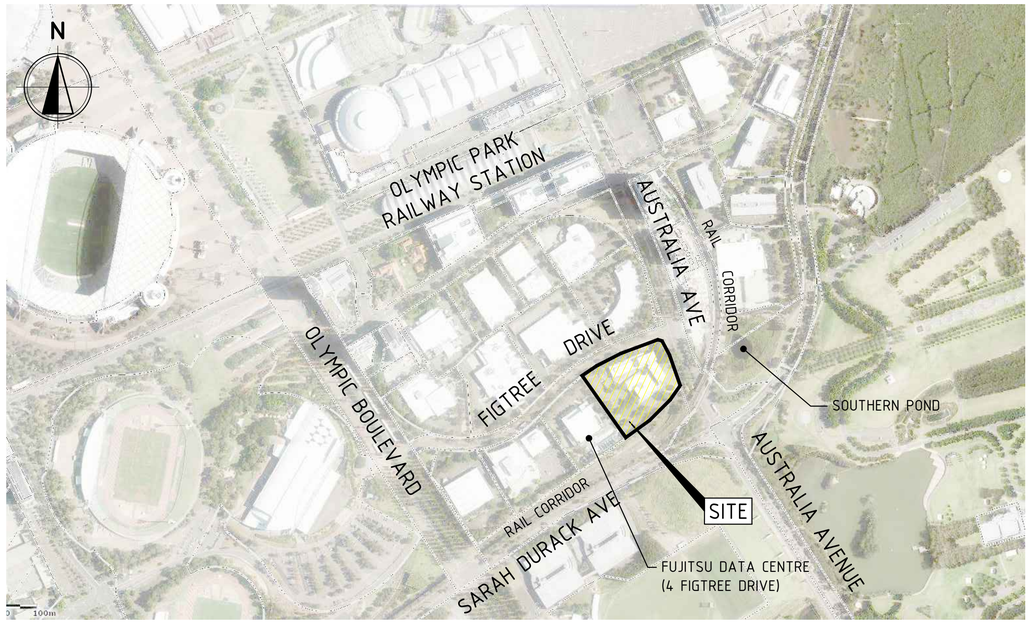
2 FIGTREE DRIVE, SYDNEY OLYMPIC PARK (SITE 53)



DRAWING INDEX

DRG No.	DESCRIPTION
C-0000	COVER SHEET AND DRAWING INDEX
C-0100	SITEWORKS PLAN
C-0110	LONGITUDINAL SECTIONS AND TYPICAL ROAD SECTION
C-0200	EROSION AND SEDIMENT CONTROL PLAN
C-0210	EROSION AND SEDIMENT CONTROL DETAILS

REV	DATE	DESCRIPTION	RVD
B	04.08.15	ISSUED FOR DA APPROVAL	TW
A	08.07.15	ISSUED FOR INFORMATION	TW

REVISIONS

REVISIONS

ARCHITECT

BVN

CLIENT

mirvac

Sydney *Office—*
L2, 8 Windmill St, Sydney NSW 2000
P / +61 2 9770 3300
E / info@bgeeng.com
bgeeng.com—

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PROJECT

2 FIGTREE DRIVE
SYDNEY OLYMPIC PARK (SITE 53)

STATUS: ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
LM	TW	TW	

DATUM	GRID	SCALE	
AHD	MGA	NOT TO SCALE	AT A1 SIZE

TITLE: COVER SHEET AND DRAWING INDEX

PROJECT No.	DRAWING No.	REV.
S14184	C-0000	B

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PROPOSED DRIVEWAY EXTENSION IN ACCORDANCE WITH AUBURN CITY COUNCIL DRAWING DWG-01

DESIGN AND DOCUMENTATION OF VERGE WORKS BY OTHERS

EXISTING DRIVEWAY TO FUJITSU SITE

EXISTING DRIVEWAY TO BE REMOVED

FIGTREE DRIVE
(SOPA UDEM LOCAL STREET 20)

EXISTING FOOTPATH TO BE REMOVED

PROPOSED PARALLEL PARKING TO SOPA UDEM

VERGE AND PARKING ARE INDICATIVE ONLY. WORKS TO BE DESIGNED BY SYDNEY OLYMPIC PARK AUTHORITY

LOCAL DEVIATION FROM UDEM TO AVOID TPZ

SMOOTH CONNECTION TO EXISTING KERB

CONNECTION TO EXISTING FOOTPATH ALONG AUSTRALIA AVENUE

CH 0.000

KERB ONLY ISLAND WITH RETURN TO EXISTING KERB

CH 15.000

PROPERTY BOUNDARY

EXISTING FIBRE OPTIC TURRETS TO BE RELOCATED BY OTHERS

PROPOSED BUILDING LINE

EXISTING SERVICES LOCATED WITHIN FIGTREE DRIVE TO BE RELOCATED BY OTHERS

REFER LANDSCAPE ARCHITECT DRAWINGS FOR FIGTREE DRIVE WORKS

MC01
(SOPA UDEM VERGE STREET 21B)

RAINWATER FIRST FLUSH AND OVERFLOW COLLECTION APPROX IL13.900. REFER HYDRAULIC ENGINEERS FOR DETAILS.

CH 30.000

INTERIM KERB AND GUTTER

SITE 52 FUJITSU

CH 45.000

OSD

APPROX VOLUME = 26m³

PROPOSED OSD LOCATION REFER HYDRAULICS ENGINEERS FOR DETAILS

OSD CONNECTION

REFER ARCHITECTS DRAWINGS

CH 60.000

EXISTING FIG TREE TO BE RELOCATED

CH 75.000

T2

T3

EXTENT OF BASEMENT

AVENUE

DISH DRAIN CROSSING IN ACCORDANCE WITH AUBURN CITY COUNCIL DRAWING DWG-002

CH 90.000

TIE INTO ARCHITECTURAL LAYOUT

MC02

CH 105.000

6x ENVIROPOD 200 GPT

55 CARTRIDGE SYSTEM (690mm) PSORB STORMFILTER SYSTEM (MIN 80m²)

EXISTING Ø1200 RCP LOCATED WITHIN 3.0m WIDE EASEMENT

PROPOSED GPT TO TREAT NEW STREET

CH 109.118

CONNECT INTO EXISTING STORMWATER PIT AT INVERT LEVEL 9.70

RELOCATED FIG TREE TPZ. REFER ARBORIST DETAILS

PROPOSED LOCATION OF FIG TREE

T1

REFER 'INSET A' FOR DRAINAGE CONNECTION INTO EXISTING PIT

TREE ROOT PLATE REFER TO ARBORIST FOR DETAILS

EXTENT OF EXISTING TREES TO BE REMOVED OUTSIDE OF SITE BOUNDARY TO BE CONFIRMED BY SOPA.

AUSTRALIA

CONNECTION TO EXISTING DRAINAGE PIT AT APPROX IL 10.16

INSET A

LEGEND

- SITE BOUNDARY
- KERB AND GUTTER
- KERB ONLY
- PROPOSED DRAINAGE
- 900mm WIDE PAVEMENT REINSTATEMENT
- EXISTING STORMWATER
- EXISTING WATER MAIN
- EXISTING RECYCLED WATER MAIN
- EXISTING SEWER
- EXISTING HV ELECTRICITY
- EXISTING LV ELECTRICITY
- EXISTING TELSTRA
- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED

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

REV	DATE	DESCRIPTION	RVD
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Sydney *Office*—
L2, 8 Windmill St, Sydney NSW 2000
P / +61 2 9770 3300
E / info@bgeeng.com
bgeeng.com—

PROJECT: 2 FIGTREE DRIVE
SYDNEY OLYMPIC PARK (SITE 53)

STATUS: ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

TITLE: SITEWORKS PLAN

DRAWN	DESIGNED	CHECKED	APPROVED
LM	TW	TW	

DATUM	GRID	SCALE		PROJECT No.	DRAWING No.	REV.
AHD	MGA	1:250	AT A1 SIZE	S14184	C-0100	B

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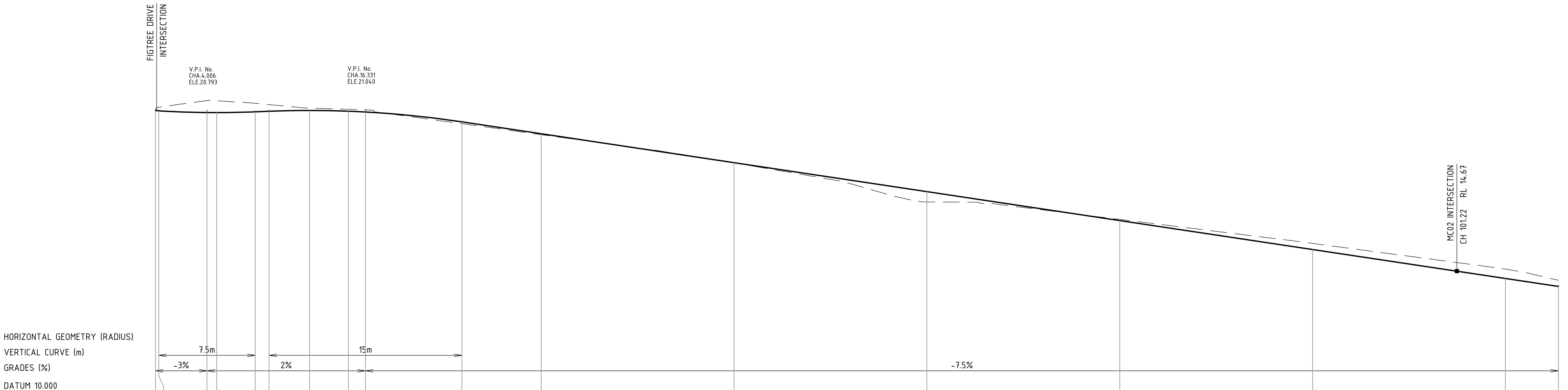
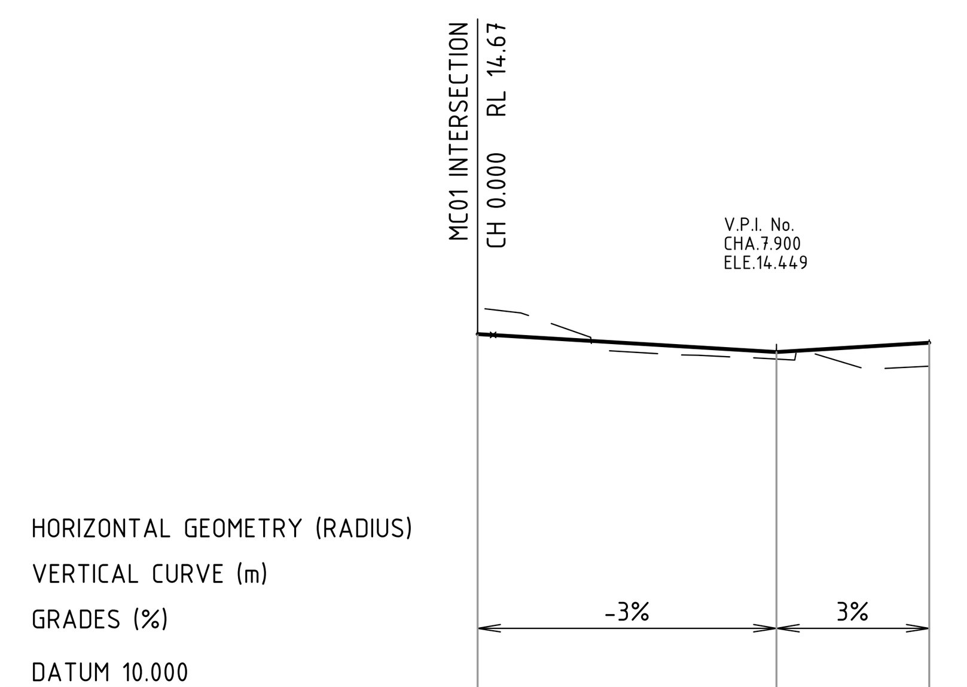


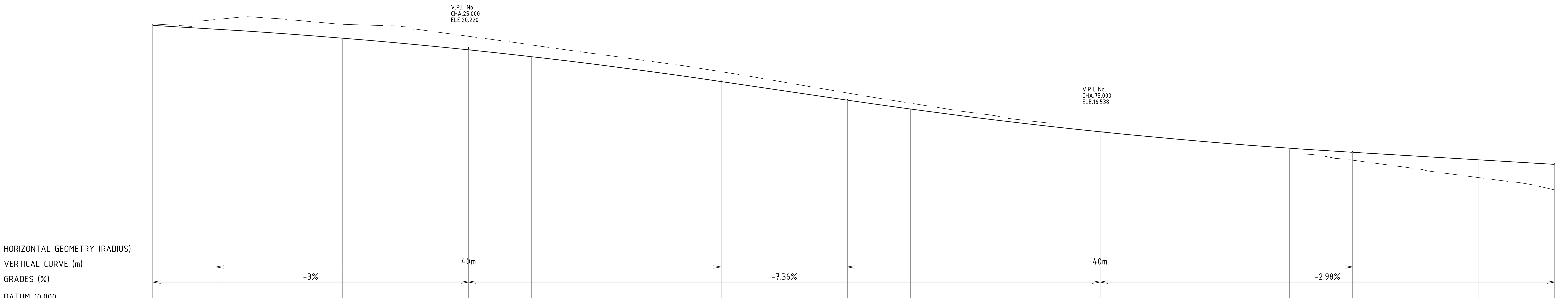
DESIGN SURFACE	20.914	20.906	20.840	20.838	20.868	20.890	20.921	20.893	20.862	20.477	20.015	18.890	17.765	16.640	15.515	14.390	14.081
EXISTING SURFACE		21.047	21.307	21.300	21.199	21.149	21.013	20.967	20.946	20.408	19.978	18.883	17.365	16.685	15.752	14.756	14.321
CHAINAGE	0.00	0.26	4.01	4.76	7.76	8.83	11.99	15.00	16.33	23.83	30.00	45.00	60.00	75.00	90.00	105.00	109.12

PROFILE - MC01
SCALE 1:200H, 1:100V



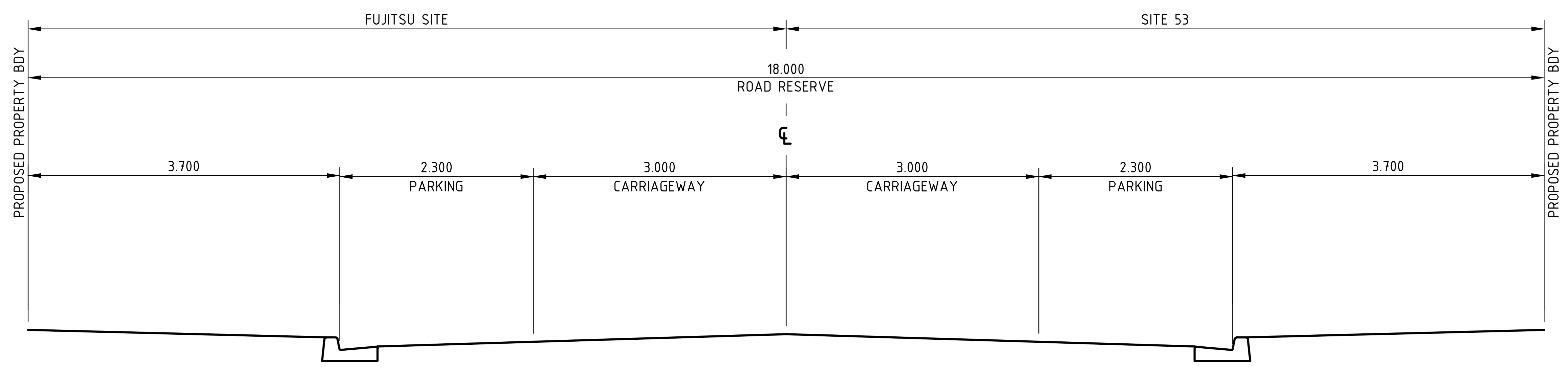
DESIGN SURFACE	14.686	14.449	14.570
EXISTING SURFACE		14.355	14.260
CHAINAGE	0.00	7.90	11.93

PROFILE - MC02
SCALE 1:200H, 1:100V

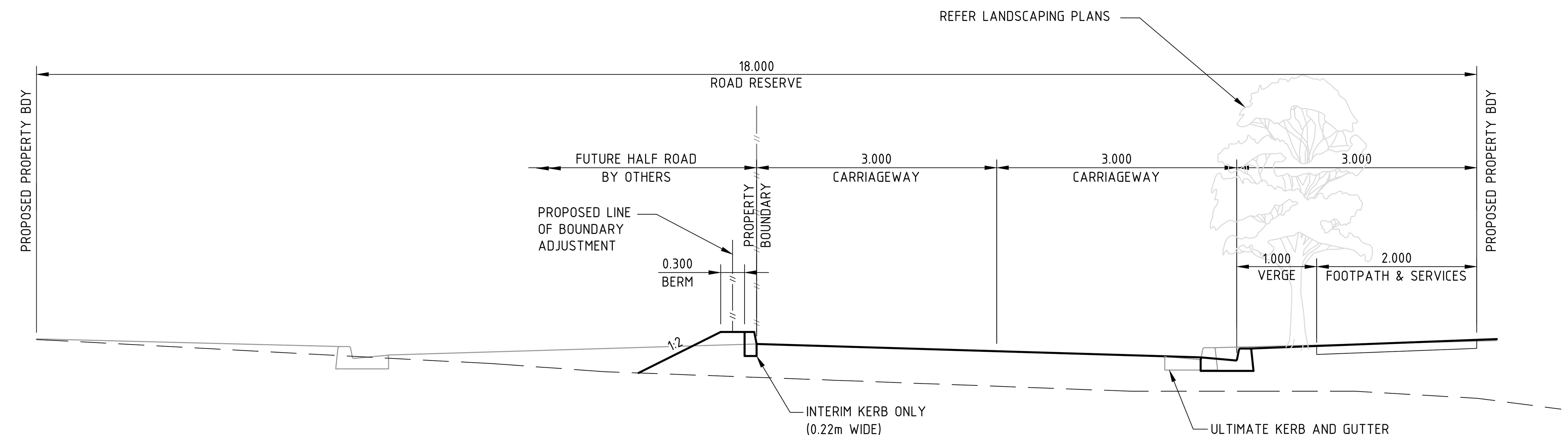


DESIGN SURFACE	20.970	20.820	20.465	20.002	19.729	18.747	18.011	17.656	16.757	16.105	15.943	15.646	15.467
EXISTING SURFACE	21.030	21.204	21.014	20.539	20.197	19.137	18.293	17.888			15.629	14.939	14.452
CHAINAGE	0.00	5.00	15.00	25.00	30.00	45.00	55.00	60.00	75.00	90.00	95.00	105.00	111.00

PROFILE - MASTERPLAN ROAD GRADING (GHD 2008)
SCALE 1:200H, 1:100V



ULTIMATE TYPICAL CROSS SECTION
SCALE 1:50



INTERIM TYPICAL CROSS SECTION
SCALE 1:50

REV	DATE	DESCRIPTION	RVD
B	04.08.15	ISSUED FOR DA APPROVAL	TW
A	08.07.15	ISSUED FOR INFORMATION	TW

REVISIONS

REV	DATE	DESCRIPTION	RVD

REVISIONS

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ARCHITECT
BVN

CLIENT
mirvac

Sydney *Office—*
L2, 8 Windmill St, Sydney NSW 2000
P / +61 2 9770 3300
E / info@bgeeng.com
bgeeng.com—

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PROJECT
2 FIGTREE DRIVE
SYDNEY OLYMPIC PARK (SITE 53)

STATUS
ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
LM	TW	TW	

DATUM	GRID	SCALE
AHD	MGA	1:200, 1:50 AT A1 SIZE

TITLE
LONGITUDINAL SECTIONS AND TYPICAL ROAD SECTION

PROJECT No.	DRAWING No.	REV.
S14184	C-0110	B

N

FIGTREE DRIVE
(SOPA UDEM LOCAL STREET 20)

EXISTING DRIVEWAY

VERGE AND PARKING ARE INDICATIVE ONLY.
WORKS TO BE DESIGNED BY SYDNEY
OLYMPIC PARK AUTHORITY

PROPOSED
BUILDING LINE

SITE 52 FUJITSU

REFER ARCHITECTS DRAWINGS

EXISTING FIG TREE
TO BE RELOCATED

AUSTRALIA AVENUE

LEGEND

- SITE BOUNDARY
- EXISTING CONTOURS (20.25)
- CONSTRUCTION VEHICLE EXIT
- SEDIMENT FENCE
- GEOTEXTILE INLET FILTER
- INLET FILTER
- DIVERSION DRAIN

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

REV	DATE	DESCRIPTION	
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REV	DATE	DESCRIPTION	

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Sydney *Office*—
L2, 8 Windmill St, Sydney NSW 2000
P / +61 2 9770 3300
E / info@bgeeng.com
bgeeng.com—

PROJECT: 2 FIGTREE DRIVE.
SYDNEY OLYMPIC PARK (SITE 53)

STATUS: ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
LM	TW	TW	

DATUM	GRID	SCALE	
AHD	MGA	1:250	AT A1 SIZE

TITLE: EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.	DRAWING No.	REV.
S14184	C-0200	B

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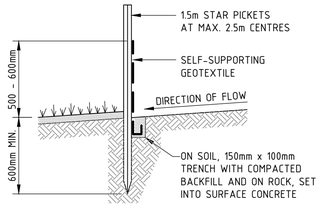
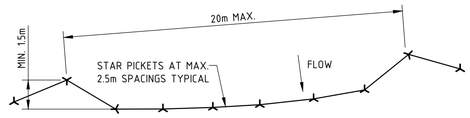
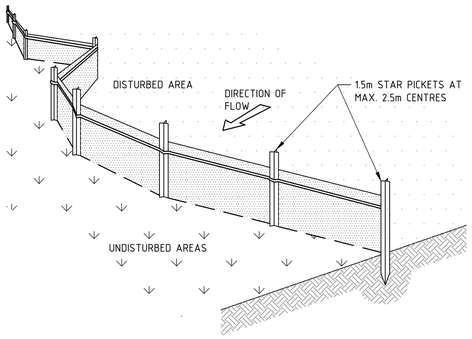


SECTION DETAIL



PLAN

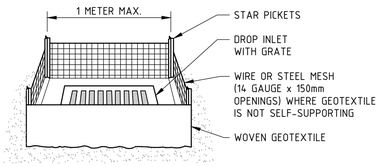


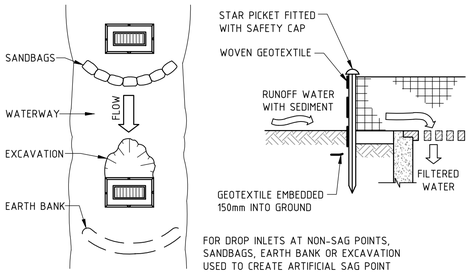
SEDIMENT FENCE CONSTRUCTION NOTES:

1. 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.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m 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.
4. 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.
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.

SEDIMENT FENCE

SCALE N.T.S





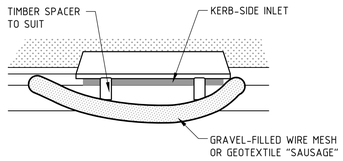
FOR DROP INLETS AT NON-SAG POINTS, SANDBAGS, EARTH BANK OR EXCAVATION USED TO CREATE ARTIFICIAL SAG POINT

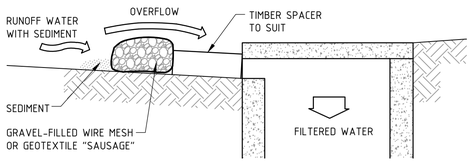
GEOTEXTILE INLET FILTER CONSTRUCTION NOTES:

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. PICKET SPACING TO BE A MAXIMUM 1.0m CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. 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



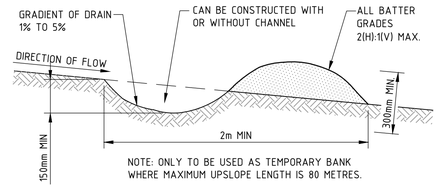


MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. 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.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. 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



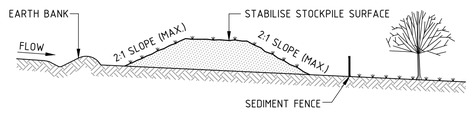
NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

DIVERSION DRAIN 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 WITHIN 10 DAYS OF CONSTRUCTION.

DIVERSION DRAIN

SCALE N.T.S

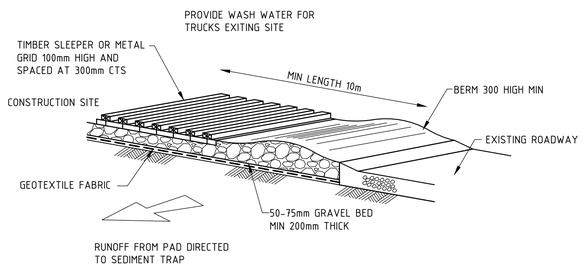


STOCKPILE CONSTRUCTION NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS 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 PLACE 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 FENCES 1 TO 2 METRES DOWNSLOPE.

STOCKPILES

SCALE N.T.S



TEMPORARY CONSTRUCTION VEHICLE EXIT

NTS

1.0 SEDIMENT AND EROSION CONTROL

1.1. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED, PLACED AND MAINTAINED IN ACCORDANCE WITH RELEVANT AUTHORITY GUIDELINES AND ANY DETAILS SHOWN ON THESE DRAWINGS.

1.2. ALL PERIMETER AND SILTATION CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN EARTHWORKS AND/OR CLEARING.

1.3. THE SEDIMENT AND EROSION CONTROL PLAN MAY REQUIRE FUTURE ADJUSTMENT TO REFLECT CONSTRUCTION STAGING. IT IS THE CONTRACTORS RESPONSIBILITY TO PREPARE THEIR OWN SEDIMENT AND EROSION CONTROL PLAN WHICH SUITS THE DESIGNED CONSTRUCTION STAGING.

1.4. FILTRATION BUFFER ZONES ARE TO BE FENCED OFF AND ACCESS PROHIBITED TO ALL PLANT AND MACHINERY.

1.5. ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS FOR STRUCTURAL DAMAGE OR CLOGGING. DAMAGED SEDIMENT TRAPPING STRUCTURES ARE TO BE REPAIRED AND ANY TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE LOCATION.

1.6. ALL TOPSOIL IS TO BE STOCKPILED ON SITE (AWAY FROM TREES AND DRAINAGE LINES) IN ACCORDANCE WITH DETAILS PROVIDED AND WITH RELEVANT AUTHORITY GUIDELINES. MEASURES SHALL BE APPLIED TO PREVENT EROSION OF THE STOCKPILES.

1.7. ALL EARTHWORK AREAS SHALL BE ROLLED EACH EVENING TO SEAL THE EARTHWORKS. DUST SUPPRESSION SHALL BE CARRIED OUT IN ACCORDANCE WITH RELEVANT AUTHORITIES GUIDELINES.

1.8. UPON COMPLETION OF ALL EARTHWORKS OR AS DIRECTED BY RELEVANT AUTHORITY, SOIL CONSERVATION TREATMENTS SHALL BE APPLIED SO AS TO RENDER AREAS THAT HAVE BEEN DISTURBED, EROSION PROOF WITHIN 14 DAYS.

1.9. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND STRAW MULCHED WITHIN 14 DAYS OF COMPLETION OF FORMATION U.N.O. BY LANDSCAPE ARCHITECTS.

1.10. EROSION AND SILT PROTECTION MEASURES ARE TO BE MAINTAINED AT ALL TIMES.

1.11. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE TEMPORARY CONSTRUCTION ENTRY/EXIT AS PER DETAILS PROVIDED OR WITH RELEVANT AUTHORITY GUIDELINES.

1.12. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING SITE TO LIMIT SEDIMENT TRACKING TO ROADWAYS.

REV	DATE	DESCRIPTION	RVD
B	04.08.15	ISSUED FOR DA APPROVAL	TW
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ARCHITECT: BVN

CLIENT: mirvac

Sydney *Office—*
L2, 8 Windmill St, Sydney NSW 2000
P / +61 2 9770 3300
E / info@bgeeng.com
bgeeng.com—

PROJECT: 2 FIGTREE DRIVE
SYDNEY OLYMPIC PARK (SITE 53)

STATUS: ISSUED FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
LM	TW	TW	

DATUM	GRID	SCALE	PROJECT No.	DRAWING No.	REV.
AHD	MGA	AT A1 SIZE	S14184	C-0210	B

TITLE: EROSION AND SEDIMENT CONTROL DETAILS

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