N

EXISTING DRIVEWAY

FIGTREE DRIVE
(SOPA UDEM LOCAL STREET 20)

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

SITE 52 FUJITSU

REFER ARCHITECTS DRAWINGS

NOTE
CONTRACTORS TO PROVIDE EROSION AND SEDIMENT CONTROL MEASURES WITHIN BASEMENT EXCAVATION.

AUSTRALIA AVENUE

LEGEND

- SITE BOUNDARY
- EXISTING CONTOURS (20.25)
- CONSTRUCTION VEHICLE EXIT
- SEDIMENT FENCE
- GEOTEXTILE INLET FILTER
- INLET FILTER
- DIVERSION DRAIN
- ASSUMED EXTENT OF BASEMENT EXCAVATION
- EROSION AND SEDIMENT CATCHMENT (3,630m²)

NOTE
A TEMPORARY SEDIMENT BASIN IS NOT DEEMED REQUIRED FOR THE SITE AS THE SOIL LOSS IS LESS THAN THE MINIMUM 150m³ IN ACCORDANCE WITH THE LANDCOM 'BLUE BOOK' PROCEDURE.

1. Erosion Hazard and Sediment Basins

Site Name: SOPA SITE 53

Site Location: 2 FIGTREE DRIVE

Precinct/Stage: N/A

Other Details:

Site area	Sub-catchment or Name of Structure: 1	Notes
Total catchment area (ha)	0.363	
Disturbed catchment area (ha)	0.363	

Soil analysis (enter sediment type if known, or laboratory particle size data)

Sediment Type (C, F or D) if known:	D	From Appendix C (if known)
% sand (fraction 0.02 to 2.00 mm)	22	Enter the percentage of each soil fraction. E.g. enter 10 for 10%
% silt (fraction 0.002 to 0.02 mm)	26	
% clay (fraction finer than 0.002 mm)	52	
Dispersion percentage	16.0	E.g. enter 10 for dispersion of 10%
% of whole soil dispersible	10.4	See Section 6.3.3(e). Auto-calculated
Soil Texture Group	D	Automatic calculation from above

Rainfall data

Design rainfall depth (no of days)	5	See Section 6.3.4 and, particularly, Table 6.3 on pages 6-24 and 6-25.
Design rainfall depth (percentile)	75	
x-day , y-percentile rainfall event (mm)	14.7	
Rainfall R-factor (if known)		Only need to enter one or the other here
IFD: 2-y ear, 6-hour storm (if known)	11.1	

RUSLE Factors

Rainfall erosivity (*R*-factor)	2670						Auto-filled from above
Soil erodibility (*K*-factor)	0.038						
Slope length (m)	50						
Slope gradient (%)	7.5						RUSLE LS factor calculated for a high rill/interrill ratio.
Length/gradient (*LS*-factor)	1.41						
Erosion control practice (*P*-factor)	1.3	1.3	1.3	1.3	1.3	1.3	
Ground cover (*C*-factor)	1	1	1	1	1	1	

Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)

Storage (soil) zone design (no of months)	2	Minimum is generally 2 months
Cv (Volumetric runoff coefficient)	0.39	See Table F2, page F-4 in Appendix F

Calculations and Type D/F Sediment Basin Volumes

Soil loss (t/ha/yr)	186	
Soil Loss Class	2	See Table 4.2, page 4-13
Soil loss (m³/ha/yr)	143	Conversion to cubic metres
Sediment basin storage (soil) volume (m³)	9	See Sections 6.3.4(i) for calculations
Sediment basin settling (water) volume (m³)	21	See Sections 6.3.4(i) for calculations
Sediment basin total volume (m³)	30	

N.B for sizing of Type C (coarse) sediment basins, see Worksheet 3 (if required).

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

REV	DATE	DESCRIPTION	RVD
E	04.05.17	ISSUED FOR TENDER	TW
D	07.10.16	ISSUED FOR DA APPROVAL	TW
C	30.09.16	ISSUED FOR DA APPROVAL	TW
B	06.09.16	ISSUED FOR INFORMATION	TW
A	26.07.16	ISSUED FOR REVIEW	TW

REVISIONS

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PROJECT
2 FIGTREE DRIVE
SYDNEY OLYMPIC PARK (SITE 53)

STATUS: ISSUED FOR TENDER
NOT TO BE USED FOR CONSTRUCTION

DRAWN	DESIGNED	CHECKED	APPROVED
LM	LM	TW	TW

DATUM	GRID	SCALE	
AHD	MGA	1:250	AT A1 SIZE

TITLE: EROSION AND SEDIMENT CONTROL PLAN

PROJECT No. S16017 | DRAWING No. C-0700 | REV. E

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