

PROPOSED OPTUS
BASE STATION

PART OF EXISTING
LOW CHAINWIRE
FENCE TO REMAIN

PROPOSED OPTUS
5 BAY ODU ON NEW
CONCRETE SLAB

PROPOSED OPTUS
U/G AC POWER
RUN TO BE
CONFIRMED AT
DETAILED DESIGN

PROPOSED OPTUS PANEL
ANTENNAS (6 OFF) ON
PROPOSED TRIANGULAR
HEADFRAME

EXISTING COUNCIL
STEEL LIGHT POLE
TO BE RECOVERED

PART OF EXISTING LOW
CHAINWIRE FENCE TO
BE MOVED/ REPLACED
(BY COUNCIL)

PROPOSED LOW
CHAINWIRE FENCE (BY
COUNCIL)

OPTUS INSTALLATION

EXISTING HOUSING (TYP.)

LOT 19
DP3468

EXISTING
OVAL

OVERALL SITE PLAN
SCALE 1:2000

PROPOSED OPTUS 3m
WIDE ACCESS TRACK

SITE ACCESS VIA PROPOSED
ACCESS TRACK OFF BRYAN AVE

DETAIL
SCALE 1:100

1

EXISTING TIMBER POST AND METAL
RAIL FENCE (TYP.)

EXISTING TREE
(TYP.)

PROPOSED OPTUS DRAW PIT

PROPOSED OPTUS UNDERGROUND
CABLE RUN FROM ODUs TO NEW POLE

MGA ZONE 56
E 323 295
N 6 267 375
AT € MONOPOLE

PROPOSED OPTUS MONOPOLE PAD
FOOTING (TBC)

PROPOSED OPTUS BARRIER
BOLLARDS (TYP.)

EXISTING
HEAVY
VEGETATION

PROPOSED OPTUS ANCILLARIES
MOUNTED BEHIND PROPOSED
PANEL ANTENNAS

PROPOSED OPTUS 30m
HIGH MONOPOLE WITH
TRIANGULAR HEADFRAME
TO REPLACE EXISTING
COUNCIL STEEL LIGHT
POLE.
NOTE: LIGHTING TO BE
ACCOMMODATED ON NEW
MONOPOLE.

PROPOSED 500mm WIDE CONCRETE
DISH DRAIN (BY COUNCIL)

EXISTING NETBALL COURT FENCING TO REMAIN

EXISTING DRAIN PIT (TYP.)

PROPOSED OPTUS U/G FIBRE ROUTE TO
BE CONFIRMED AT DETAILED DESIGN

SITE ADDRESS:

20X HARRIS ROAD
NORMANHURST
NSW 2076

NOTES:

- BASIS OF DESIGN**
 - > SITE INSPECTION 08/01/2020.
- PANEL ANTENNAS**
 - > 2-OFF PROPOSED PER SECTOR
 - > COMMScope RRV4-65D-R6 12 PORT ANTENNA PER SECTOR AT EL 29.20m
 - > SECTOR 1 - 60°, SECTOR 2 - 150°, SECTOR 3 - 330°
 - > MOUNTED ON PROPOSED TRIANGULAR HEADFRAME WITH MOUNTING POLES
- TRANSMISSION**
 - > FIBRE SITE - DETAILED FIBRE ROUTE TO BE CONFIRMED BY OPTUS.
- EQUIPMENT SHELTER**
 - > PROPOSED 5 BAY ODU ON CONCRETE SLAB (TO BE CONFIRMED AT DETAILED DESIGN). PAINT IN PALE EUCALYPT.
- OPTUS MONOPOLE**
 - > 30.00m HIGH UNPAINTED STEEL MONOPOLE WITH HEADFRAME
 - > MONOPOLE SETOUT MAY REQUIRE ADJUSTMENT TO FIT PAD FOUNDATION WITHIN LEASE AREA. ADJUSTMENT EXPECTED <2m. TO BE DETERMINED AT DETAILED DESIGN.
- TRUNK CABLES - HYBRID**
 - > SIZE: 2 x 6/12 (H&S) TRUNK CABLES PER SECTOR
 - > LENGTH: 45m ALL SECTORS
 - > TO BE RUN ON UNDERGROUND Ø100 CONDUIT TO POLE AND VERTICALLY INTERNALLY TO POLE.
- SITE ACCESS**
 - > SITE ACCESS VIA PROPOSED ACCESS TRACK OFF BRYAN AVE.
- ANTENNA ACCESS**
 - > EWP BY QUALIFIED RIGGER PERSONNEL ONLY.
- POWER SUPPLY**
 - > PROPOSED 3-PHASE LV UNDERGROUND POWER SUPPLY TO BE CONFIRMED AT DETAILED DESIGN.
- OTHER (PAINTING, LANDSCAPING, SCREENING)**
 - > EWP/CRANE HARDSTAND AREA TO BE DESIGNED, INSPECTED AND MAINTAINED BY CONSTRUCTOR PRIOR TO EACH USE
 - > EWP/CRANE SETUP AREA TO BE TURFED.

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
06	24.02.20	ISSUE FOR APPROVAL - DETAILED SURVEY	CPS	MN	MN	CT	JD
05	13.01.20	ISSUED FOR APPROVAL - ALTERNATE LOCATION	CPS	MN	MN	CT	JD
04	21.10.19	ISSUED FOR APPROVAL - UNDERGROUND SERVICES REALIGNMENT	CPS	MN	MN	CT	CT
03	15.07.19	ISSUED FOR APPROVAL - 30m MONOPOLE	CPS	MN	MN	JD	SW
02	02.08.18	ISSUED FOR APPROVAL - 40m MONOPOLE	CPS	SG	MM	CT	CT
01	12.03.18	ISSUED FOR APPROVAL	CPS	SG	AD	CT	CT

cpsglobal

CPS GLOBAL
LEVEL 5, 55 GRAFTON STREET
BONDI JUNCTION
NSW 2022
AUSTRALIA
TELEPHONE : + 61 2 9300 1700

OPTUS

Client:
Project:
MOBILE NETWORK
AUSTRALIA
SITE No. S8687
NORMANHURST
HARRIS RD, NORMANHURST, NSW 2076

Drawing Title:
DRAFT SITE LAYOUT

Drawing Status:
FOR APPROVAL

Drawing No.
S8687-P1

Revision
06

ESC1. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION

- ## ESC2. BULK EARTHWORKS

- ### ESC3. SERVICE TRENCHES

- ## ESC4.BUILDING OPERATIONS

- ## ESC5. SITE REHABILITATION

- ALL GROUND DISTURBED BY THE BUILDING ACTIVITY SHALL BE PROMPTLY AND PROGRESSIVELY STABILISED SO IT CAN NO LONGER ACT AS A SOURCE OF SEDIMENT.
- TO MINIMISE UNNECESSARY SOIL LOSS, MULCH SHOULD BE APPLIED TO OPEN GARDEN BEDS. MULCH PLACED AT A DEPTH OF 75-100mm WILL ASSIST IN PLANT ESTABLISHMENT AND WATER LOSSES.

ESC6. STOCKPILES

- STOCKPILES ARE NOT TO BE STORED ON THE FOOTPATH OR ROAD RESERVE UNLESS APPROVED BY LOCAL AUTHORITIES.
- WHERE NECESSARY STOCKPILE LOSSES CAN BE MINIMISED WITH THE USE OF COVERS.
- ALL STOCKPILES AND BUILDING MATERIAL SHOULD BE LOCATED WITHIN THE SEDIMENT CONTROL ZONE.
- TO MINIMISE EROSION AND THE LOSS OF SAND AND SOIL, STOCKPILES SHOULD NOT BE RELOCATED WITHIN AN OVERLAND FLOW PATH. IF IT IS IMPRACTICABLE TO AVOID STORMWATER RUNOFF BEING DIRECTED TO A STOCKPILE, THEN A PERIMETER BANK SHOULD BE CONSTRUCTED UP SLOPE OF THE STOCKPILE TO DIRECT RUNOFF IN A CONTROLLED MANNER AROUND THE STOCKPILE.

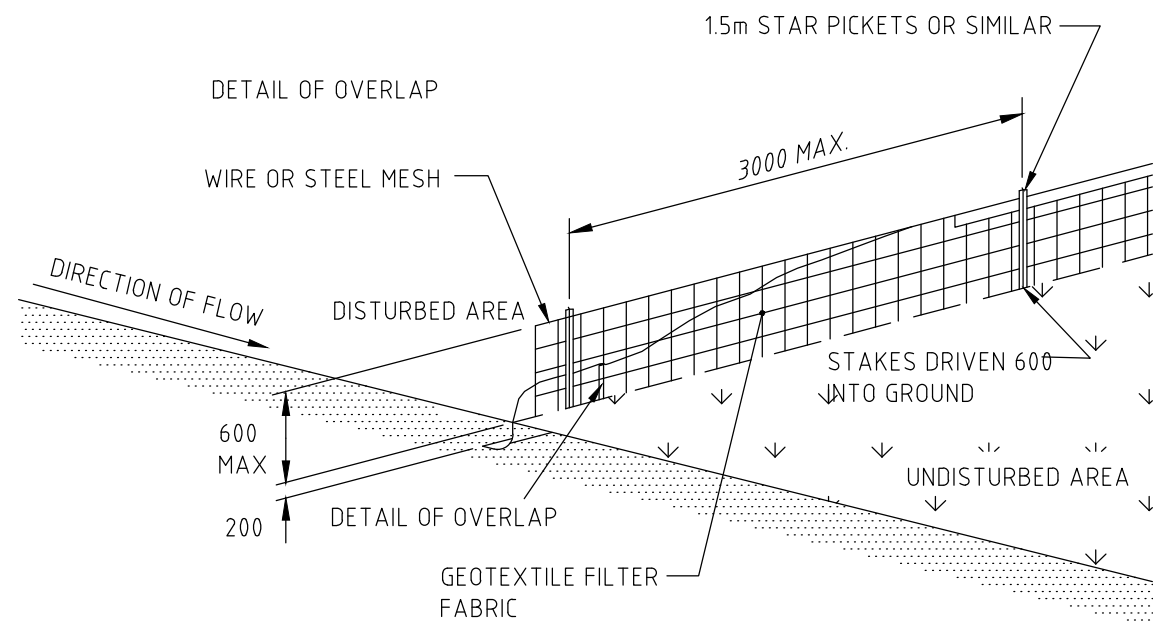
ESC7. SEDIMENT BARRIES

- SEDIMENT FENCES:
INSTALL SEDIMENT FENCES ALONG THE LOW SIDE OF THE SITE, AND IDEALLY ALONG A LINE OF CONSTANT LAND LEVEL TO PREVENT THE CONCENTRATION OF STORMWATER RUNOFF. IN AREAS WHERE IT IS EITHER UNDESIRABLE OR IMPRACTICAL TO BURY THE LOWER EDGE OF THE SEDIMENT FENCE, THE LOWER 200mm MIN PORTION OF THE FABRIC SHOULD BE LAID ON THE GROUND UP SLOPE OF THE FENCE AND BURIED UNDER A 100mm MIN. LAYER OF AGGREGATE.
- STRAW BALE:
THE USE OF STRAW BALES INSTEAD OF A SEDIMENT FENCE IS USUALLY NOT RECOMMENDED. STRAW BALES MAY BE USED DOWN SLOPE OF SMALL STOCK PILES IF THEY ARE APPROPRIATELY SECURED WITH TWO STAKE PER BALE AND WATER IS PREVENTED FROM FLOWING UNDER THE BALES.
- FIELD INLET GULLIES:
SEDIMENT CONTROLS FOR STORMWATER INLETS LOCATED WITHIN THE PROPERTY BOUNDARIES MAY CONSIST OF GEOTEXTILE FABRIC PLACED EITHER DIRECTLY OVER THE GRATED INLET OR AROUND THE INLET SUPPORTED BY TIMBER FRAME. FIELD INLET PROTECTION IS NECESSARY WHERE INLET DRAIN AREAS OF BARE AND UNPROTECTED SOIL. DURING STORMS, PONDING SHOULD BE ALLOWED TO OCCUR AROUND THE STORMWATER TO ASSIST IN THE SETTLING OF SEDIMENTS
- PAVEMENT INLET GULLY:
A ROADSIDE INLET BARRIER IS TO BE INSTALLED, SO THAT IT SHOULD NOT BE ALLOWED TO FULLY BLOCK THE INLET STRUCTURE. ON A HILLSIDE, SEDIMENT BARRIERS MAY CONSIST OF A TEMPORARY DAM CONSTRUCTED FROM SAND AND GRAVEL BAGS AT LEAST 4 METER UP SLOPE FROM THE GULLY INLET.

ESC8. MAINTENACE

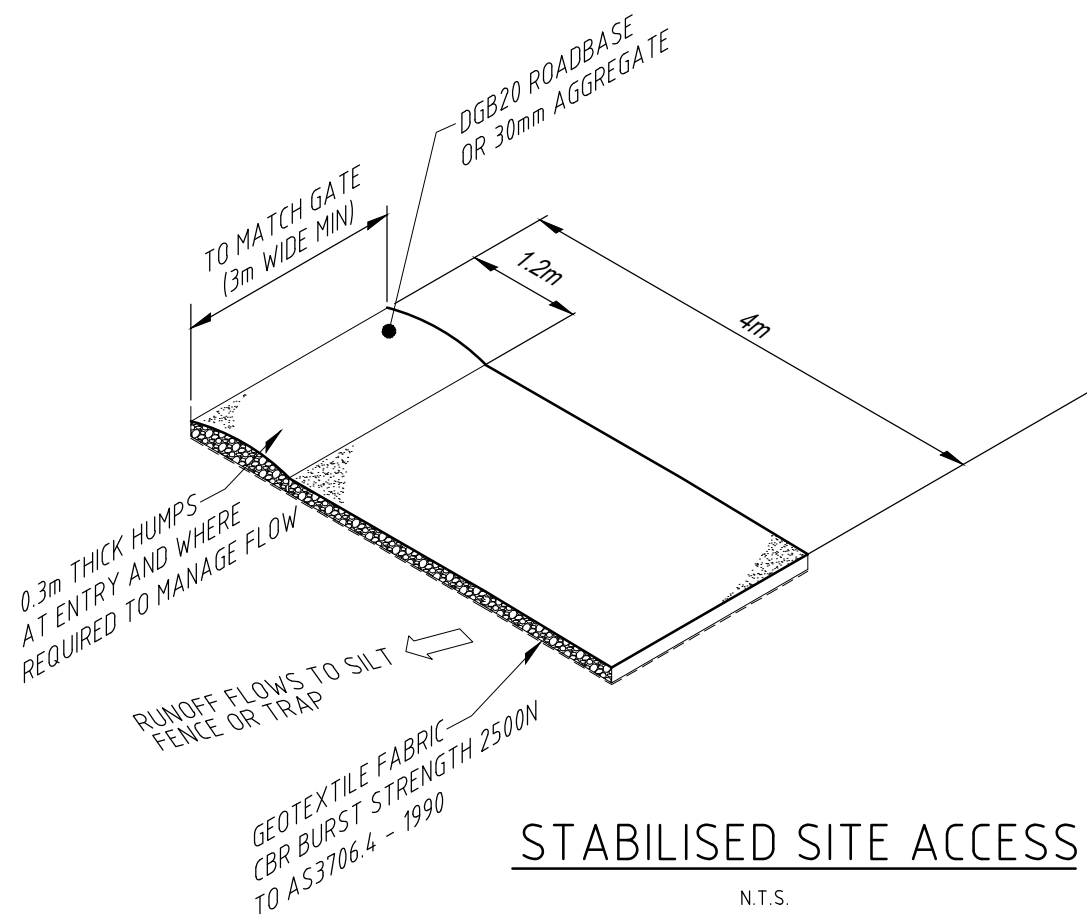
- SEDIMENT FENCES SHOULD BE REPLACED IF THE FABRIC IS RIPPED OR OTHERWISE DAMAGED. THE MAINTENANCE OF THE SEDIMENT FENCES INCLUDES THE REMOVAL OF THE FENCE AND RETRENCHING THE FABRIC WHEN THE FENCE IS 25% FULL.
- FOLLOWING STORM EVENTS, THE ROAD RESERVE AND ALL SEDIMENT BARRIES SHOULD BE INSPECTED AND ANY EXCESSIVE SEDIMENT RESIDUE SHOULD BE APPROPRIATELY REMOVED.

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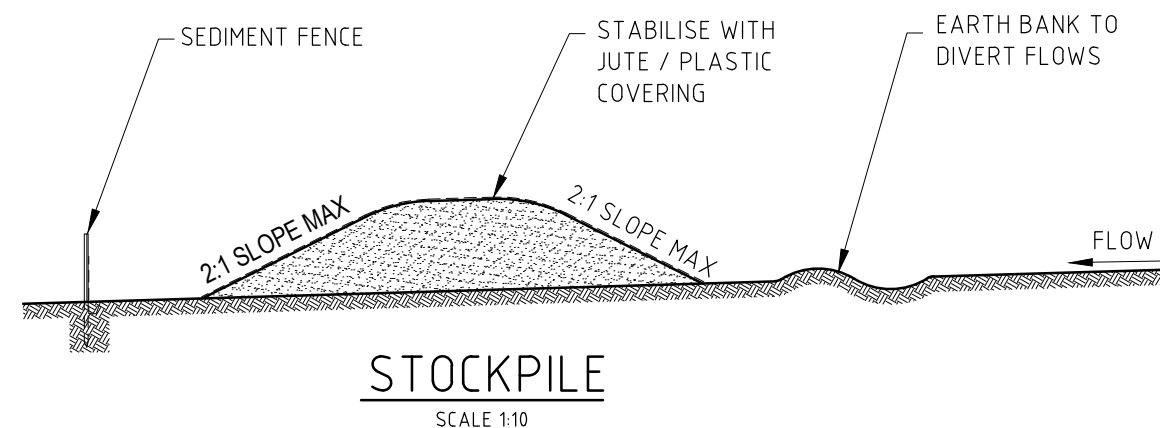


DRAINAGE AREA 0.6HA MAX. SLOPE GRADIENT 1:2 MAX.
SLOPE LENGTH 60m MAX.

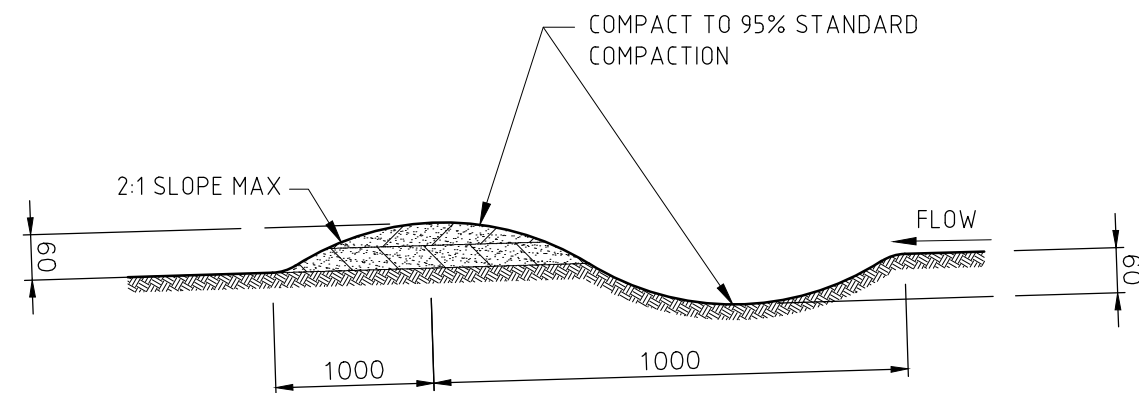
SEDIMENT FENCE
N.T.S.



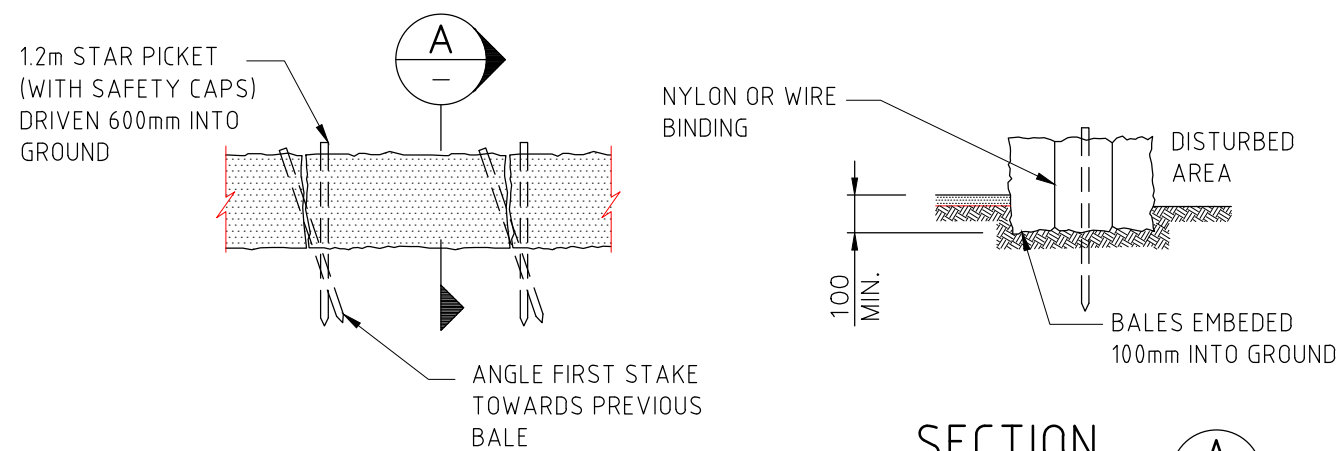
STABILISED SITE ACCESS
N.T.S.



SCALE 1:10



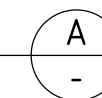
SCALE 1:10



ELEVATION

STRAW BALE FILTER
NOT TO SCALE

SECTION
SCALE N.T.S.



Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	15.07.19	ISSUED FOR APPROVAL - 30m MONOPOLE	CPS	MN	MN	CT	CT

cpsglobal

CPS GLOBAL
LEVEL 5, 55 GRAFTON STREET
BONDI JUNCTION
NSW 2022
AUSTRALIA
TELEPHONE : + 61 2 9300 1700

Client:

OPTUS

Project:

**MOBILE NETWORK
AUSTRALIA
SITE No. S8687
NORMANHURST**

HARRIS RD, NORMANHURST, NSW 2076

Drawing Title:

**SEDIMENT & EROSION CONTROL PLAN
AND DETAILS (SHT 2 OF 2)**

Drawing Status:

FOR APPROVAL

Drawing No.

S8687-P4

Revision

01