

OORIN ROAD, HORNSBY HEIGHTS

PROPOSED LITTER COLLECTION DEVICE

DRAWING SCHEDULE

SHEET No.	TITLE	ISSUE
1	DRAWING SCHEDULE, LOCALITY PLAN, LEGEND & PROJECT NOTES.	1
2	GENERAL WORKS & SERVICES PLAN.	1
3	DETAILED WORKS PLAN & SETOUT.	1
4	SECTIONS A & B.	1
5	CATCHMENT PLAN & DRAINAGE CALCULATIONS.	1
6	EROSION & SEDIMENT CONTROL PLAN.	1

SUPPLEMENTARY DRAWING SCHEDULE

SHEET No.	TITLE (OCEAN PROTECT SPECIFICATION DRAWING)	ISSUE
1	OCEAN PROTECT - OCEANSAVE-OS1112 [DU] - SITE SPECIFIC PRODUCTION DRAWING.	08-02-2023

LEGEND

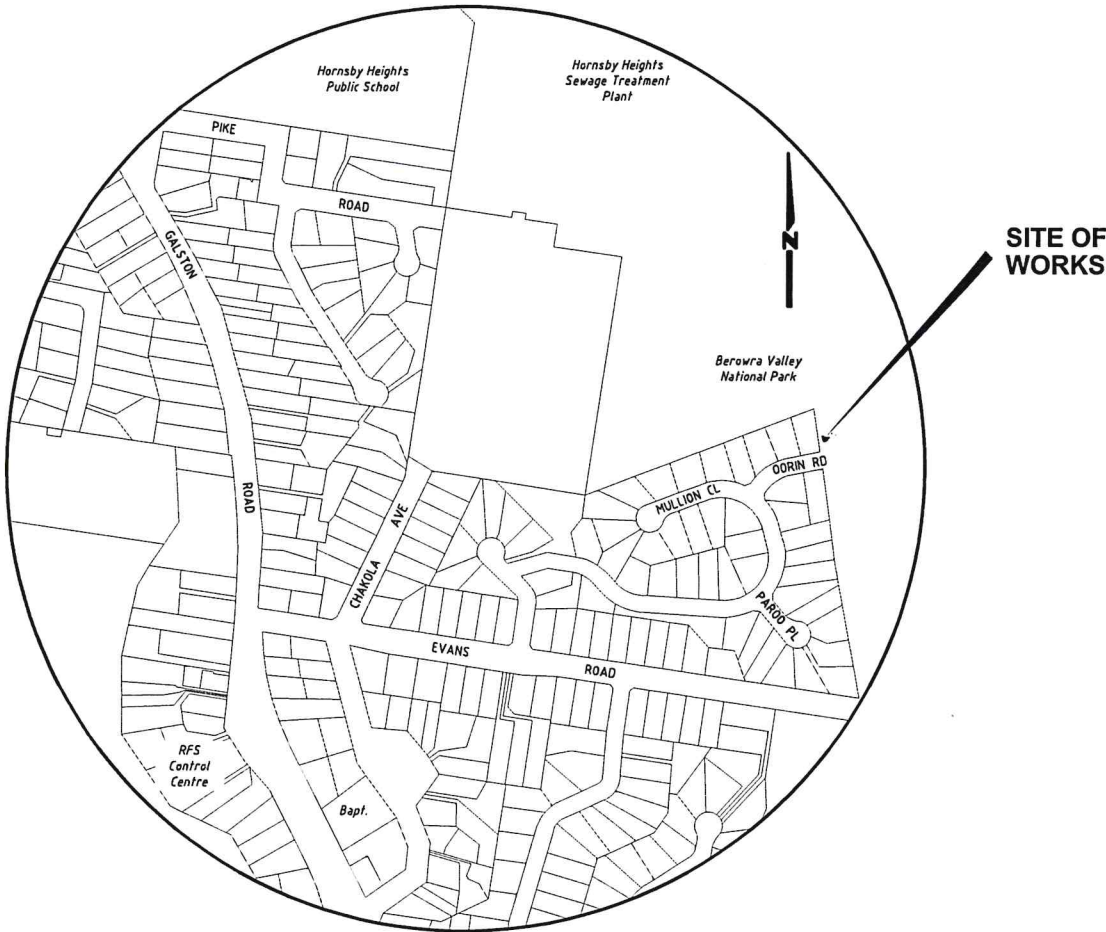
	EXISTING KERB & GUTTER.
	EXISTING FENCE.
	EXISTING CONCRETE PATH EDGE.
	EXISTING STORMWATER PIPE.
	EXISTING POWER POLE.
	EXISTING TREE / TREE TO BE REMOVED.
	SURVEY TRAVERSE STATION.
	BENCHMARK - DRILL HOLE & WING.
	SURVEY REFERENCE MARKS - DRILL HOLE & WING/GALVANISED IRON PIPE.
	EXISTING FIRE HYDRANT.
	EXISTING WATER STOP VALVE.
	EXISTING TELSTRA PIT.
	EXISTING U/G TELSTRA CABLES.
	EXISTING OVERHEAD ELECTRICAL CABLES.
	EXISTING WATER MAIN.
	EXISTING ROCK BOULDERS. (DIAGRAMMATICALLY SHOWN).
	PROPOSED SANDSTONE BOULDERS & ROCKS, SHOWN DIAGRAMMATICALLY, ACTUAL SIZE WILL VARY.
	PROPOSED WATER QUALITY DEVICE (GPT).
	EXTENT OF CONCRETE APRON/WIER STRUCTURE.
	PROPOSED ROCK SPALL.
	GEO-TECH BORE HOLE LOCATION. REFER TO TRIM DOCUMENT # D08553770 FOR INVESTIGATION & REPORT.

GENERAL NOTES:

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF HORNSBY SHIRE COUNCIL.
- LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS & NOT FROM SURVEY PEGS.
- PROVIDE TRAFFIC MANAGEMENT & SIGNAGE IN ACCORDANCE WITH THE TNSW "TRAFFIC CONTROL AT WORK SITES" TECHNICAL MANUAL & AS1742.3 REQUIREMENTS.
- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED FROM THE RELEVANT AUTHORITIES VIA A "DIAL BEFORE YOU DIG" ENQUIRY. THE LOCATION OF SERVICES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES & FIELD INVESTIGATIONS & ARE TO BE VERIFIED PRIOR TO CONSTRUCTION.
- EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE LANDCOM PUBLICATION: "MANAGING URBAN STORM WATER, SOILS & CONSTRUCTION" Vol. 1, 4th EDITION.
- ALL DISTURBED AREAS OF THE SITE ARE TO BE REINSTATED WITH EXISTING OR MATCHING MATERIALS UNLESS NOTED OTHERWISE AT THE COMPLETION OF THE WORKS.
- WHERE WORKS ARE ADJACENT TO EXISTING STRUCTURES UNDERTAKE A DILAPIDATION SURVEY OF EXISTING ADJACENT STRUCTURES BEFORE COMMENCEMENT OF ANY WORKS.
- IF SET-OUT IS REQUIRED BY HORNSBY SHIRE COUNCIL DESIGN & CONSTRUCTION BRANCH SURVEYOR. NOTIFY ENGINEERING SURVEYOR A MINIMUM OF 24 HOURS IN ADVANCE.

ACCESS & SAFETY NOTES:

- THE CONSTRUCTOR SHALL COMPLY WITH ALL STATUTORY & INDUSTRIAL REQUIREMENTS FOR PROVISION OF A SAFE WORKING ENVIRONMENT INCLUDING TRAFFIC CONTROL.
- THE CONSTRUCTOR SHALL ENSURE THAT AT ALL TIMES ACCESS TO BUILDINGS/RESIDENCES ADJACENT TO THE WORKS IS NOT DISRUPTED.
- WHERE NECESSARY THE CONSTRUCTOR SHALL PROVIDE SAFE PASSAGE OF VEHICLES AND/OR PEDESTRIANS THROUGH OR BY THE SITE.
- THE CONSTRUCTOR SHALL ENSURE PUBLIC ACCESS EXTERNAL TO THE SITE IS IN ACCORDANCE WITH COUNCIL REQUIREMENTS.



LOCALITY PLAN
NOT TO SCALE

ABORIGINAL ARTIFACT NOTES:

- AN AHIMS WEB SEARCH HAS BEEN UNDERTAKEN FOR THIS PROJECT (REF: 329128 -21st FEBRUARY 2018). NO ARTIFACTS ARE SHOWN. SHOULD ANY POTENTIAL ARTIFACTS BE UNCOVERED THEY ARE NOT TO BE REMOVED FROM THE SITE & SHALL BE IMMEDIATELY REPORTED TO COUNCIL'S PROJECT MANAGER.

Hornsby Shire Council
Design & Construction
Branch

TELEPHONE: (02) 9847 8888
FACSIMILE: (02) 9847 8999
Name: R. RAJCA
Signed: [Signature]
Date: 23/2/23

Designer S. COMISH	Design Checked S. COMISH	Design Team Leader Signed: [Signature]
Drawn S. COMISH	Drawing Checked S. COMISH	
Surveyor T. PELL		
Project Identifier: \\\CAD File Name H:\\\\Mullion Cl WC_100448\\Design\\ACAD\\Mullion Close.dwg	Field Book	Level Book
TRIM Document Number D08586274		

Issue	Description	Name	Initial	Date
1	ISSUED FOR CONSTRUCTION	M. DRAKE		11/2/23
	Design not to be amended without authorisation by Manager Design & Construction			

Bar Scales
NOT TO SCALE
DO NOT SCALE, USE FIGURED DIMENSIONS ONLY



OORIN ROAD, HORNSBY HEIGHTS
PROPOSED LITTER COLLECTION DEVICE

DRAWING SCHEDULE, LOCALITY PLAN, LEGEND
& PROJECT NOTES

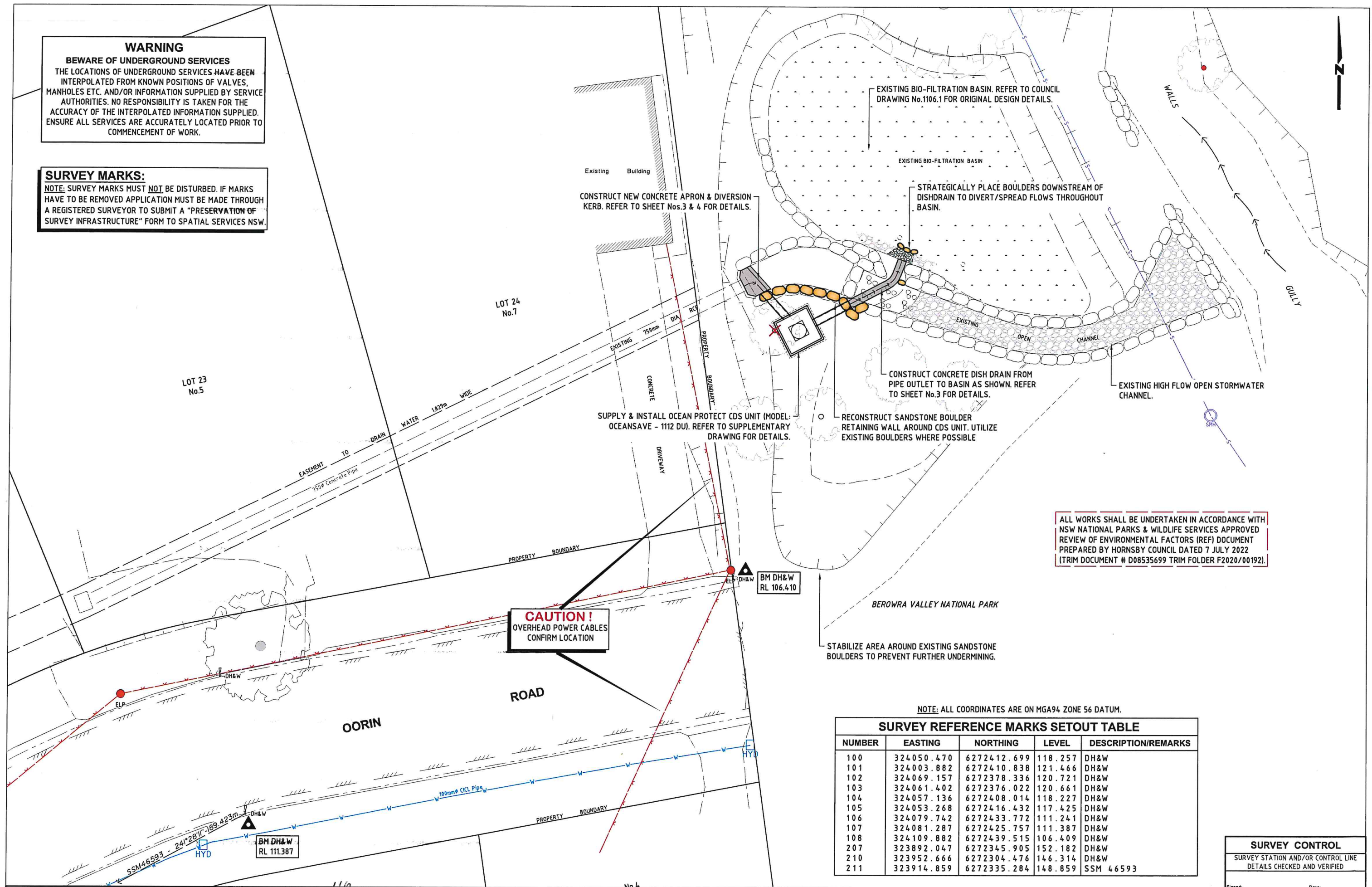
NATURAL RESOURCES BRANCH		
Asset Custodian Officer Name: N. KERAUNOS Telephone: 9847 6752	Accepted as complying with the general intent of the design brief	
Project Number 100448	Sheet 1	Issue 1
HSC Drawing Number 1106.2		

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM KNOWN POSITIONS OF VALVES, MANHOLES ETC. AND/OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

SURVEY MARKS:

NOTE: SURVEY MARKS MUST NOT BE DISTURBED. IF MARKS HAVE TO BE REMOVED APPLICATION MUST BE MADE THROUGH A REGISTERED SURVEYOR TO SUBMIT A "PRESERVATION OF SURVEY INFRASTRUCTURE" FORM TO SPATIAL SERVICES NSW.



ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH NSW NATIONAL PARKS & WILDLIFE SERVICES APPROVED REVIEW OF ENVIRONMENTAL FACTORS (REF) DOCUMENT PREPARED BY HORNSBY COUNCIL DATED 7 JULY 2022 (TRIM DOCUMENT # D08535699 TRIM FOLDER F2020/00192).

SURVEY REFERENCE MARKS SETOUT TABLE

NUMBER	EASTING	NORTHING	LEVEL	DESCRIPTION/REMARKS
100	324050.470	6272412.699	118.257	DH&W
101	324003.882	6272410.838	121.466	DH&W
102	324069.157	6272378.336	120.721	DH&W
103	324061.402	6272376.022	120.661	DH&W
104	324057.136	6272408.014	118.227	DH&W
105	324053.268	6272416.432	117.425	DH&W
106	324079.742	6272433.772	111.241	DH&W
107	324081.287	6272425.757	111.387	DH&W
108	324109.882	6272439.515	106.409	DH&W
207	323892.047	6272345.905	152.182	DH&W
210	323952.666	6272304.476	146.314	DH&W
211	323914.859	6272335.284	148.859	SSM 46593

SURVEY CONTROL

SURVEY STATION AND/OR CONTROL LINE
DETAILS CHECKED AND VERIFIED

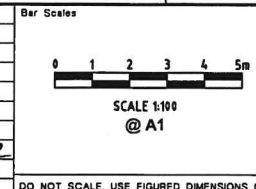
Project Number	100448
Sheet of	2 of 6
Issue	1
HSC Drawing Number	1106.2

Hornsby Shire Council Design & Construction Branch

TELEPHONE: (02) 9847 6666
FACSIMILE: (02) 9847 6999
Name: R. RAJCA
Signed: *R. Rajca*
Date: 23/2/23

Designer: S. COMISH
Drawn: S. COMISH
Surveyor: T. PELL
Project Identifier: \\\CAD File Name
H:\\\\Mullion Cl WC_100448\\Design\\ACAD\\Mullion Close.dwg
TRIM Document Number
D08586274

Design Checked: Design Team Leader Signed: <i>M. Drake</i>	Field Book	Level Book	AHD Datum
1	ISSUED FOR CONSTRUCTION	M. DRAKE	11/2/16/2
Issue	Description	Name	Initial Date
Design not to be amended without authorisation by Manager Design & Construction			



OORIN ROAD, HORNSBY HEIGHTS PROPOSED LITTER COLLECTION DEVICE

GENERAL WORKS & SERVICES PLAN

REFER TO SHEET No.2 FOR SURVEY
STATION SETOUT DETAILS.

REFER TO GEO-TECHNICAL NOTE No.3.

CONSTRUCT CONCRETE APRON & WIER/DIVERSION
KERB. REFER TO SHEET No.4 FOR DETAILS.

EXISTING BIO-FILTRATION BASIN
STRATEGICALLY PLACE BOULDERS DOWNSTREAM OF
DISH DRAIN TO DIVERT/SPREAD FLOWS THROUGH BASIN.

REPAIR ROCK SPALL AS NECESSARY OR AS
DIRECTED BY SUPERVISING ENGINEER.

REINSTATE ROCK BOULDER CHANNEL WALL TO
SUIT NEW GPT, PIPE & CONCRETE APRON/WEIR.

ADJUST ROCK BOULDERS TO SUIT NEW
PIPE & DISH DRAIN.

EXCAVATE EXISTING CHANNEL & CONSTRUCT 0.6m
WIDE CONCRETE DISH DRAIN. REFER TO SHEET No.4
FOR TYPICAL DETAILS.

CONSTRUCT HEADWALL WITH ROCKS & BOULDERS,
FILL CAVITIES & VOIDS WITH MASS CONCRETE.

SUPPLY & LAY ONE LENGTH OF 375mm ϕ RCP FROM
WATER QUALITY DEVICE TO CHANNEL. REFER TO
SHEET No.4 FOR DETAILS.

SUPPLY & LAY 375mm ϕ RCP FROM NEW APRON TO WATER
QUALITY STRUCTURE. REFER TO SECTION ON SHEET No.4
FOR DETAILS.

REMOVE EXISTING TREE.

EXERCISE CARE WHEN EXCAVATING ADJACENT TO
EXISTING TREE. CONSULT COUNCIL'S TREE MANAGEMENT
GROUP IF ROOTS ARE ENCOUNTERED.

SUPPLY & INSTALL PRECAST OCEANSAVE - 1112 [DU] WATER
QUALITY STRUCTURE IN ACCORDANCE WITH MANUFACTURERS
SPECIFICATIONS. REFER TO SUPPLEMENTARY DRAWING FOR
DETAILS. (SETOUT POINT - E 324113.63, N 6272454.05)

BOREHOLE LOCATION FOR FOR GEO-TECHNICAL
INVESTIGATION. REFER TO COUNCIL TRIM DOCUMENT
#D08553770 FOR DETAILS.

NOTE: ALL COORDINATES ARE ON MGA94 ZONE 56 DATUM.

SETOUT DETAILS

PONIT No.	EASTING	NORTHING	REMARKS
1	324110.744	6272457.832	TOP OF WEIR
2	324111.952	6272456.510	TOP OF WEIR
3	324116.634	6272455.608	PIPE OUTLET
4	324118.907	6272456.787	POINT ON DRAIN
5	324119.381	6272457.317	POINT ON DRAIN
6	324119.711	6272458.181	POINT ON DRAIN AT BASIN

GEO-TECHNICAL NOTES:

- A GEO-TECHNICAL INVESTIGATION HAS BEEN UNDERTAKEN AT THIS PROJECT SITE BY STS GEOTECHNICS PTY LTD (REPORT No:22/4250) TO ASCERTAIN THE EXISTING EARTH MATERIAL IN THE LOCATION OF THE PROPOSED GROSS POLLUTANT TRAP. THE REPORT & MORE INFORMATION CAN BE FOUND IN COUNCIL'S DOCUMENT MANAGEMENT SYSTEM AS DOCUMENT# D08553770.
- CARE WILL BE REQUIRED TO ENSURE THAT NEARBY STRUCTURES & INFRASTRUCTURE ARE NOT DAMAGED WHEN EXCAVATING THE ROCK. EXCAVATION METHODS SHOULD BE ADOPTED WHICH LIMIT GROUND VIBRATIONS AT THE ADJOINING STRUCTURES TO NOT MORE THAN 5mm/SEC.
- IT IS RECOMMENDED THAT BEFORE COMMENCING EXCAVATION TO UNDERTAKE A DILAPIDATION SURVEY OF ANY STRUCTURES THAT MAY POTENTIALLY BE DAMAGED. THIS WILL PROVIDE REASONABLE BASIS FOR ASSESSING ANY FUTURE CLAIMS OF DAMAGE.
- EXCAVATIONS ARE NOT EXPECTED TO ENCOUNTER THE GROUNDWATER TABLE, HOWEVER SHOULD ANY SIGNIFICANT GROUNDWATER FLOWS BE ENCOUNTERED DURING EXCAVATION, STS MUST BE CONTACTED IMMEDIATELY TO PROVIDE FURTHER ADVICE & RECOMMENDATIONS.
- STS CONTACT DETAILS:
CONTACT NAME: Laurie Ihnativ PH: 02 9756 2166

**Hornsby Shire Council
Design & Construction
Branch**

TELEPHONE: (02) 9847 6000
FACSIMILE: (02) 9847 6999
Name: R. RAJCA
Signed: *R. Rajca*
Date: 23/6/23

Designer: S. COMISH
Drawn: S. COMISH
Surveyor: T. PELL
Project Identifier: \CAD File Name
H:\Mullion Cl WC 100448\Design\ACAD\Mullion Close.dwg
TRIM Document Number
D08586274

Design not to be amended without authorisation by Manager Design & Construction

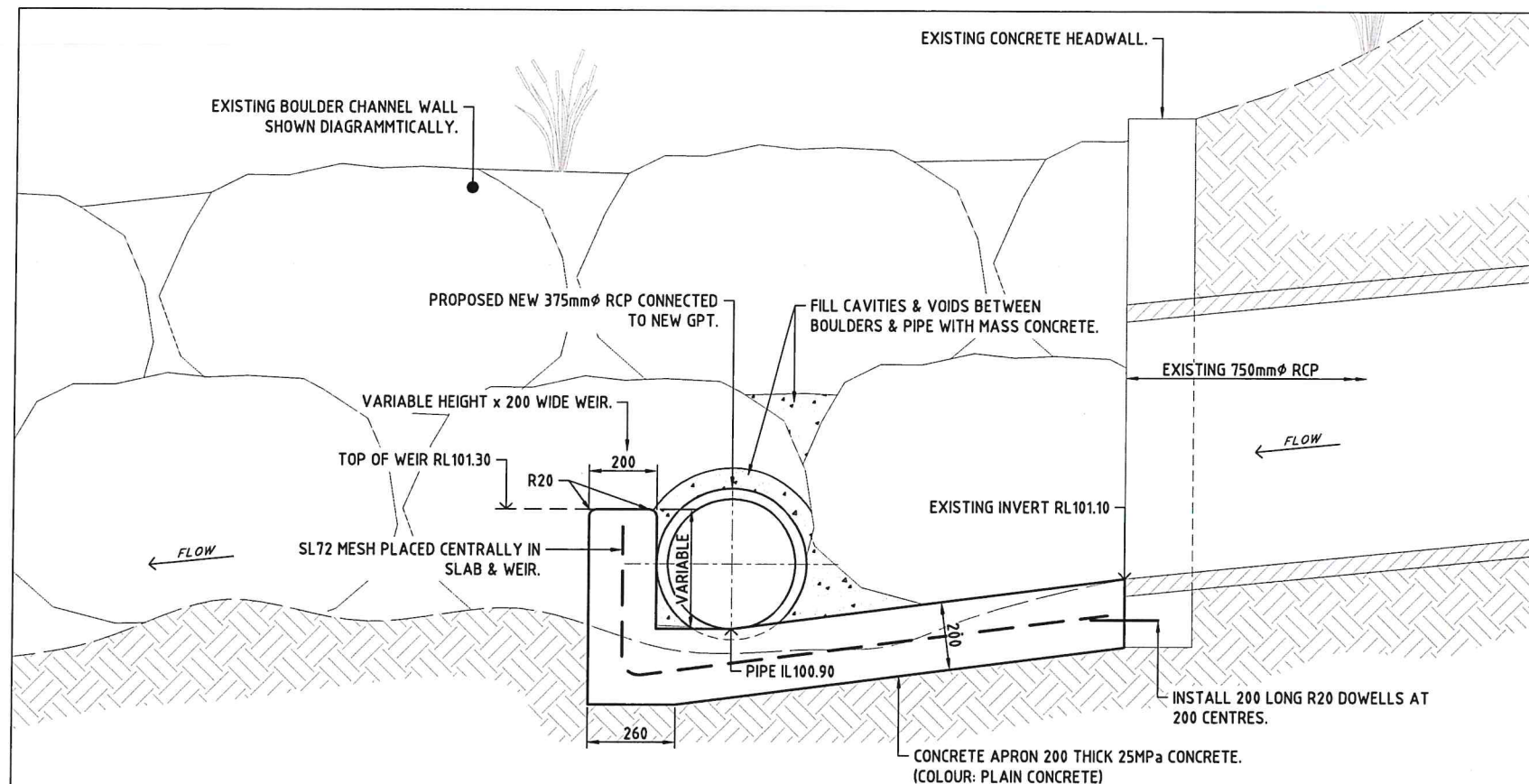
Bar Scales
0 0.5 1m
SCALE 1:20
@ A1
DO NOT SCALE, USE FIGURED DIMENSIONS ONLY

**HORNSBY
SHIRE COUNCIL**
PO BOX 37, HORNSBY NSW 1630
DX 9655 HORNSBY

**OORIN ROAD, HORNSBY HEIGHTS
PROPOSED LITTER COLLECTION DEVICE**

DETAILED WORKS PLAN & SETOUT

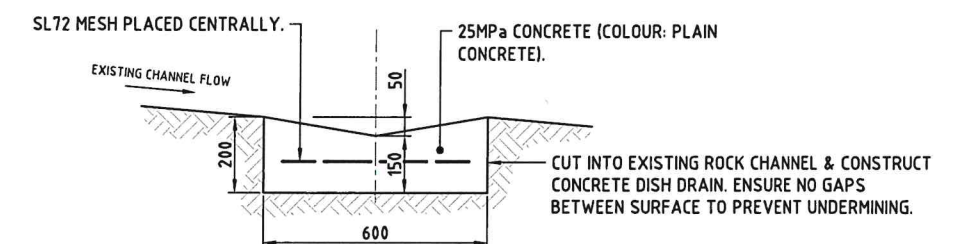
Project Number
100448
Sheet of 6
Issue 1
HSC Drawing Number
1106.2



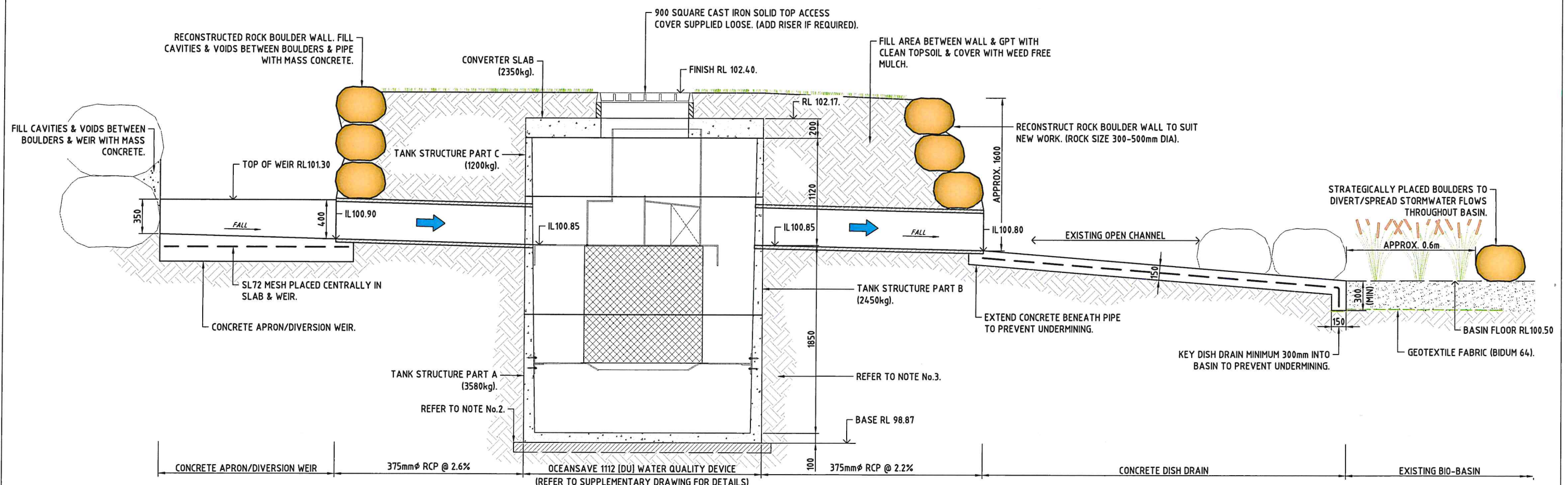
SECTION B
SCALE 1:10

GPT INSTALLATION:

1. GPT DEVICE (OCEAN PROTECT - OCEAN 1112 [DU] OR EQUIVALENT) SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS & RECOMMENDATIONS.
2. GPT TO BE LAID ON COMPACTED SUB-BASE OF 150mm THICK DGB20 AT 95% COMPACTION OR CEMENT STABILIZED CRUSHED ROCK WITH ADDITIONAL 5% BY MASS OF CEMENT THOROUGHLY MIXED, MOISTENED & COMPACTED BY A PLATE VIBRATOR.
3. BACKFILLING OF EXCAVATION TO BE COMPLETED IN NOT MORE THAN 500mm EQUALLY DISTRIBUTED LAYERS AROUND THE TANK PERIMETER.
4. INSTALLER SHALL ENSURE STRUCTURE IS INSTALLED LEVEL, APPLY SEALANT TO ALL JOINTS & INSTALL & GROUT INLET & OUTLET PIPES.
5. FOR MORE INFORMATION ON OCEAN PROTECT VISIT <https://oceanprotect.com.au/> CONTACT: Daniel Page Ph: 0477 77 1007



DISH DRAIN TYPICAL SECTION
NOT TO SCALE



SECTION A
SCALE 1:10

**Hornsby Shire Council
Design & Construction
Branch**

TELEPHONE: (02) 9847 8868
FACSIMILE: (02) 9847 8999
Authorised for release - Manager Design & Construction
Name: R. RAJCA Signed: *R. Rajca* Date: 23/2/23

Designer: S. COMISH
Drawn: S. COMISH
Surveyor: T. PELL
Project Identifier: \\C:\WC_100448\Design\ACAD\Mullion Close.dwg
TRM Document Number: D08586274

Design Checked: *M. Drake*
Signed: *M. Drake*
Drawing Checked: *M. Drake*
Signed: *M. Drake*
Field Book: *M. Drake*
Level Book: *M. Drake*
AHD: *M. Drake*
Datum: *M. Drake*
1 ISSUED FOR CONSTRUCTION
Description: *M. Drake*
Name: *M. Drake*
Initial: *M. Drake*
Date: 16/2
Design not to be amended without authorisation by Manager Design & Construction

Bar Scales
0 0.5 1m
SCALE 1:20
@ A1
DO NOT SCALE. USE FIGURED DIMENSIONS ONLY

**HORNSBY
SHIRE COUNCIL**
PO BOX 37, HORNSBY NSW 1530
DX 9655 HORNSBY

**OORIN ROAD, HORNSBY HEIGHTS
PROPOSED LITTER COLLECTION DEVICE**

SECTIONS A & B

Project Number: 100448
Sheet of 4 6 Issue 1
HSC Drawing Number: 1106.2

RATIONAL METHOD CALCULATION FOR CATCHMENT

JOB NAME :
Reference Abbrev:
Catchment Area (A)
Impervious fraction (f)
C10=
ARI
1
2
5
10
20
50
100
Flowpath Length (L)
Surf roughness coef (n*)
Ave Slope (s)
1/4=
ARI
1
2
5
10
20
50
100

Oorin Road, Hornsby Heights
UDDM
AR&R
Urban Drainage Design Manual - HSC
Australian Rainfall & Runoff vol 1 1987
= 11.076 ha
= 60%
= 0.73
fy
0.8
0.85
0.95
1
1.05
1.15
1.2
= 500
= 0.1
= 7.0%
= 161.14
C
0.58
0.62
0.69
0.73
0.76
0.84
0.87
t (mins)
38
34
29
28
26
24
23
I
35.6
48.7
68.3
78.6
93.9
114.4
129.8
Q (cum/s)
0.64
0.93
1.45
1.76
2.20
2.94
3.48

AR&R 14.12
c'10 = 0.4656
Note C cannot exceed 1
Note n* is NOT the same as mannings n
refer to sheet on n values

ARI	C	t (mins)	I	Q (cum/s)
1	0.58	38	35.6	0.64
2	0.62	34	48.7	0.93
5	0.69	29	68.3	1.45
10	0.73	28	78.6	1.76
20	0.76	26	93.9	2.20
50	0.84	24	114.4	2.94
100	0.87	23	129.8	3.48

LEGEND

CATCHMENT BOUNDARY.

EXISTING STORMWATER PIPES.

EXISTING CONTOUR.



Hornsby Shire Council
Design & Construction
Branch

TELEPHONE: (02) 9847 8888
FACSIMILE: (02) 9847 8999
Name: R. RAJCA
Signed: [Signature]
Date: 28/12/23

Designer
S. COMISH
Drawn
S. COMISH
Surveyor
T. PELL
Project Identifier: \\GAD File Name
H:\Mullion Cl WC_100448\Design\ACAD\Mullion Close.dwg
TRM Document Number
D08586274

Design Checked: [Signature]
Signed: [Signature]
Field Book
Level Book
AHD
Datum

1	ISSUED FOR CONSTRUCTION	M. DRAKE	11/10/16
Issue	Description	Name	Initial Date
Design not to be amended without authorisation by Manager Design & Construction			

Bar Scale
0 10 20 30 40 50m
SCALE 1:1000
@ A1
DO NOT SCALE, USE FIGURED DIMENSIONS ONLY



OORIN ROAD, HORNSBY HEIGHTS
PROPOSED LITTER COLLECTION DEVICE

CATCHMENT PLAN & DRAINAGE CALCULATIONS

Project Number
100448

Sheet of
5 of 6

Issue
1

HSC Drawing Number
1106.2

WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATIONS OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM KNOWN POSITIONS OF VALVES, MANHOLES ETC. AND/OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK.

EXISTING STORMWATER PIPE.

SANDBAGS.

150mm Ø PVC BYPASS PIPE.

TEMPORARY PIPE SEAL OFF DETAIL

NOT TO SCALE

LOT 23
No.5

INSTALL TEMPORARY BARRIER FENCING
AROUND WORKS SITE TO PREVENT PUBLIC
ACCESS.

Existing Building

EXISTING BIO-FILTRATION BASIN

TEMPORARY SEAL OFF OF OUTLET UPSTREAM OF
PROPOSED WORKS & INSTALL BYPASS PIPE AS SHOWN.
LOCATION TO BE CONFIRMED ONSITE BY CONSTRUCTION
ENGINEER.

INSTALL FILTER SAUSAGE IN
CHANNEL AS SHOWN.

SEDIMENT & EROSION CONTROL NOTES:

- NO WORK SHALL BE UNDERTAKEN UNTIL ALL SEDIMENT & EROSION CONTROL MEASURES ARE IN PLACE & HAVE BEEN APPROVED BY THE CONSTRUCTION ENGINEER.
- ALL SEDIMENT CONTROL STRUCTURES TO BE INSPECTED BY THE SITE SUPERVISOR ON A DAILY BASIS & SIGNED OFF ON THE BACK OF THE DAY SHEET. A CHECKLIST SHALL BE HANDED OVER TO THE PROJECT MANAGER AT THE END OF EACH DAY. STRUCTURES WILL ALSO BE INSPECTED AFTER EACH RAINFALL EVENT FOR STRUCTURAL DAMAGE & ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL STOCKPILE SITE. THE CONSTRUCTION ENGINEER MUST INFORM ALL CONTRACTORS & SUB-CONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION CONTROL PLAN.
- SELECTIVE CLEARING OF VEGETATION TO BE RESTRICTED TO NOMINATED AREAS WITH CLEARED VEGETATION WINDROWED ON THE CONTOUR.
- TREES NEAR THE CONSTRUCTION ZONE NOT OTHERWISE PROTECTED BY FENCING SHALL BE ARMOURD 2.0m CLEAR OF TRUNK WITH STAR PICKETS SPACED AT 1.0m CENTRES & BOUND BY BARRIER MESH. ALTERNATIVE PROTECTION SATISFYING THE CONSTRUCTION ENGINEER'S REQUIREMENTS IS ACCEPTABLE. TRUNK PROTECTION SHOULD BE MAINTAINED INTACT UNTIL THE COMPLETION OF ALL WORK ON THE SITE. ALL TREES REQUIRING REMOVAL ARE SHOWN ON THIS PLAN & SHALL BE MARKED ACCORDINGLY PRIOR TO REMOVAL.
- TOPSOIL FROM AREAS THAT WILL BE DISTURBED TO BE STRIPPED & STOCKPILED AT THE NOMINATED SITE.
- A MINIMUM STOCK OF THE FOLLOWING SHALL BE KEPT ON SITE AT ALL TIMES:
(A) 50m ROLL OF SEDIMENT FENCE & PEGS.
(B) 50m ROLL OF BIDIM GEOTEXTILE.
- ANY DISTURBED AREA OF LAND SHALL BE COMPACTED AT THE END OF EACH WORKING DAY & BEFORE ANY STORM EVENT.
- A BALLAST OR MULCHED TRACK SHALL BE PLACED AT THE ENTRANCE TO THE SITE TO MINIMISE SEDIMENT TRANSPORT & MAINTAINED DAILY. (LENGTH OF TRACK 15m MIN. BALLAST SIZE 75mm).
- CONSTRUCTION AREA IS TO BE LIMITED AS SHOWN TO MINIMISE DISTURBANCE.
- SEDIMENT FENCING SHALL BE PLACED AROUND ANY STOCKPILE AREAS.
- ALL EROSION & SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED IN ACCORDANCE WITH THE LANDCOM PUBLICATION:- "MANAGING URBAN STORMWATER, SOILS & CONSTRUCTION" Vol. 1, 4th EDITION.
- ALL DISTURBED AREAS SHALL BE TURFED OR COVERED IN MULCH WITHIN 14 DAYS OF FINAL TRIMMING.

FILTER SAUSAGE SEDIMENT CONTROL DEVICES:

- FABRICATE A SLEEVE MADE FROM GEO-TEXTILE OR WIRE MESH APPROXIMATELY 3m LONG & FILL WITH 25mm TO 50mm GRAVEL.
- FORM AN ELLIPTICAL CROSS-SECTION APPROXIMATELY 150mm HIGH & 400mm WIDE.
- PLACE THE FILTER AT RIGHT ANGLES TO CHANNEL.
- FORM A SEAL WITH THE CHANNEL FLOOR TO PREVENT SEDIMENT BYPASSING UNDER THE FILTER.
- SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER & SEDIMENT LADEN WATERS CANNOT PASS BETWEEN.

LEGEND

EXISTING TREE.

PROPOSED BARRIER MESH FENCING.

PROPOSED FABRIC & GRAVEL FILTER SAUSAGE.

PROPOSED 300mm Ø PVC PIPE FOR DIVERSION OF FLOW.

**Hornsby Shire Council
Design & Construction
Branch**

TELEPHONE: (02) 9847 8888
FACSIMILE: (02) 9847 8999

Authorised for release - Manager Design & Construction

Name: R. RAJCA

Signed: *R. Rajca*

Date: 23/2/23

Designer
S. COMISH
Drawn
S. COMISH
Surveyor
T. PELL
Project Identifier\ACAD File Name
H:\Mullion Cl WC 100448\Design\ACAD\Mullion Close.dwg
TRIM Document Number
D08586274

Design Checked/Design Team Leader

Signed: *M. Drake*

Field Book Level Book AHD Datum

Field Book Level Book AHD Datum

Field Book Level Book AHD Datum

Field Book Level Book AHD Datum

Field Book Level Book AHD Datum

Field Book Level Book AHD Datum

No.	Description	Name	Initial	Date
1	ISSUED FOR CONSTRUCTION	M. DRAKE	MD	16/2
Issue	Description	Name	Initial	Date
1	ISSUED FOR CONSTRUCTION	M. DRAKE	MD	16/2
Design not to be amended without authorisation by Manager Design & Construction				

Bar Scale

0 1 2 3 4 5m

SCALE 1:100

@ A1

DO NOT SCALE, USE FIGURED DIMENSIONS ONLY



**OORIN ROAD, HORNSBY HEIGHTS
PROPOSED LITTER COLLECTION DEVICE**

EROSION & SEDIMENT CONTROL PLAN

Project Number

100448

Sheet of

6 6

Issue

1

HSC Drawing Number

1106.2